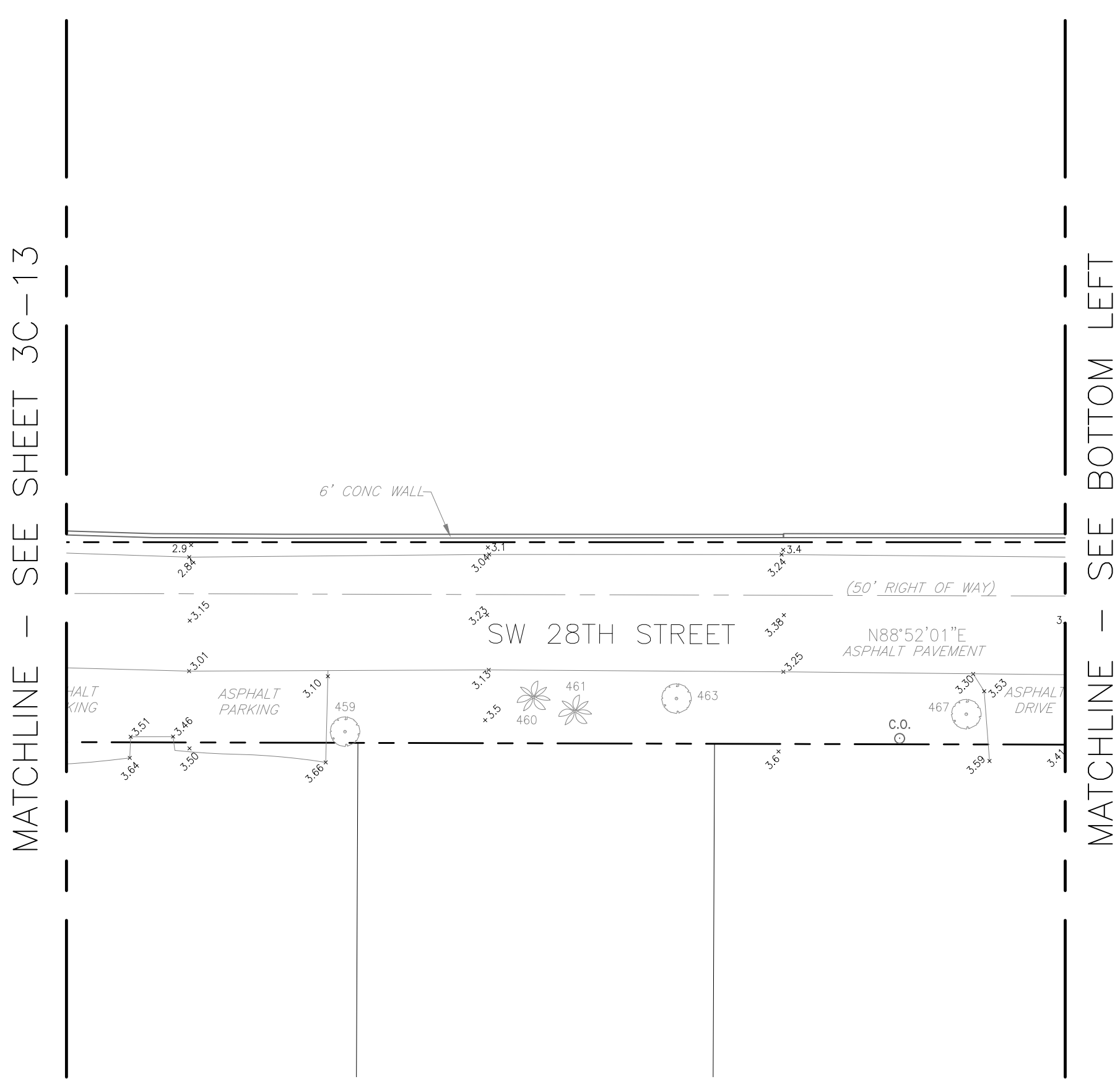
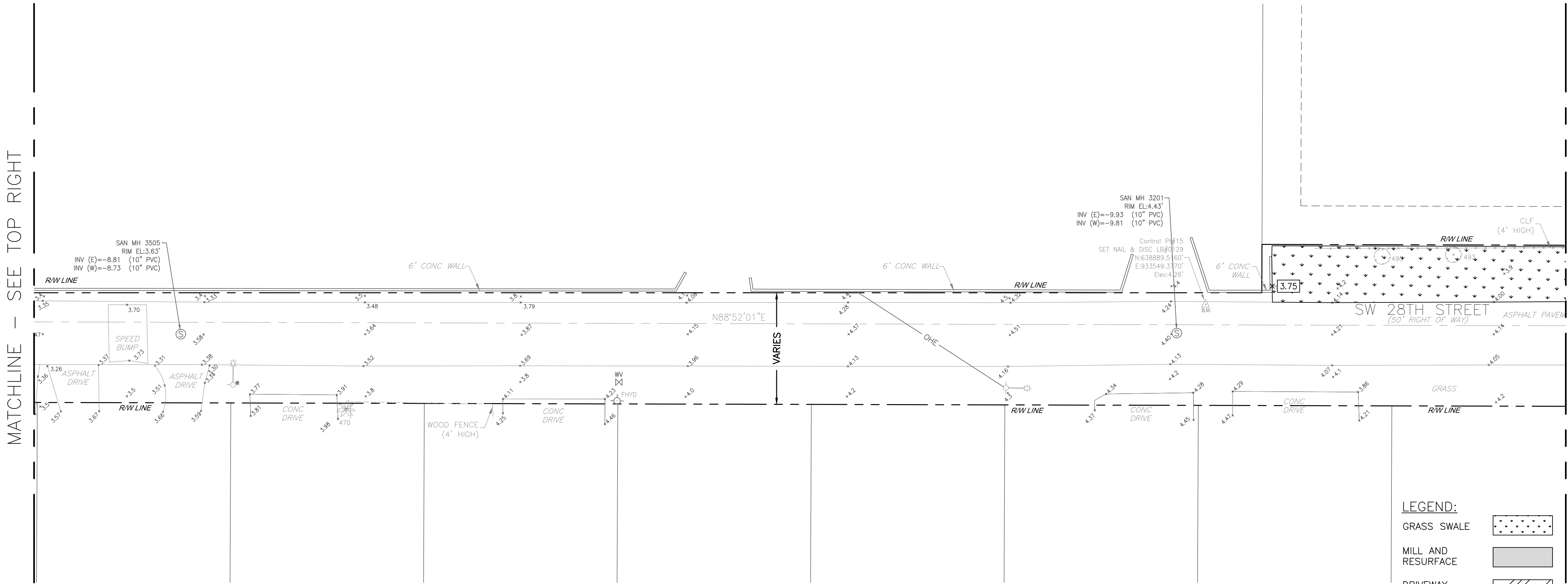


PLAN  
1"=20'-0"



PLAN  
1"=20'-0"



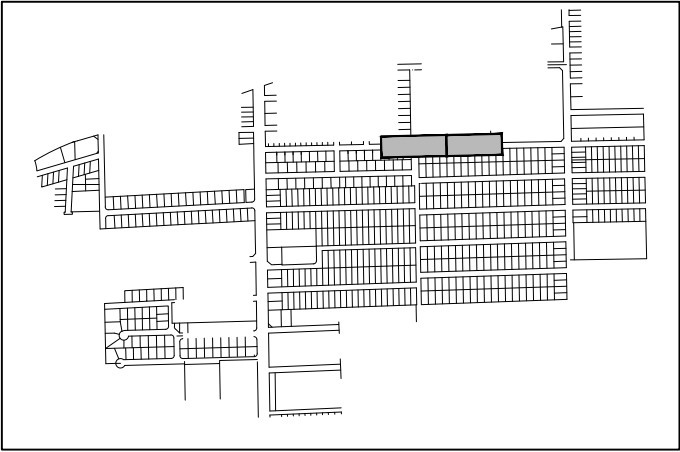
PLAN  
1"=20'-0"



MATCHLINE - SEE SHEET 3C-20

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**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)



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ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: TAV  
SCALE: 1"=20'  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHKD	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 18

SHEET NO.  
**3C-19**

TOTAL: 224

CAD FILE:  
11842-3C19

DRAWING FILE NO.  
4-142-65

BID SET

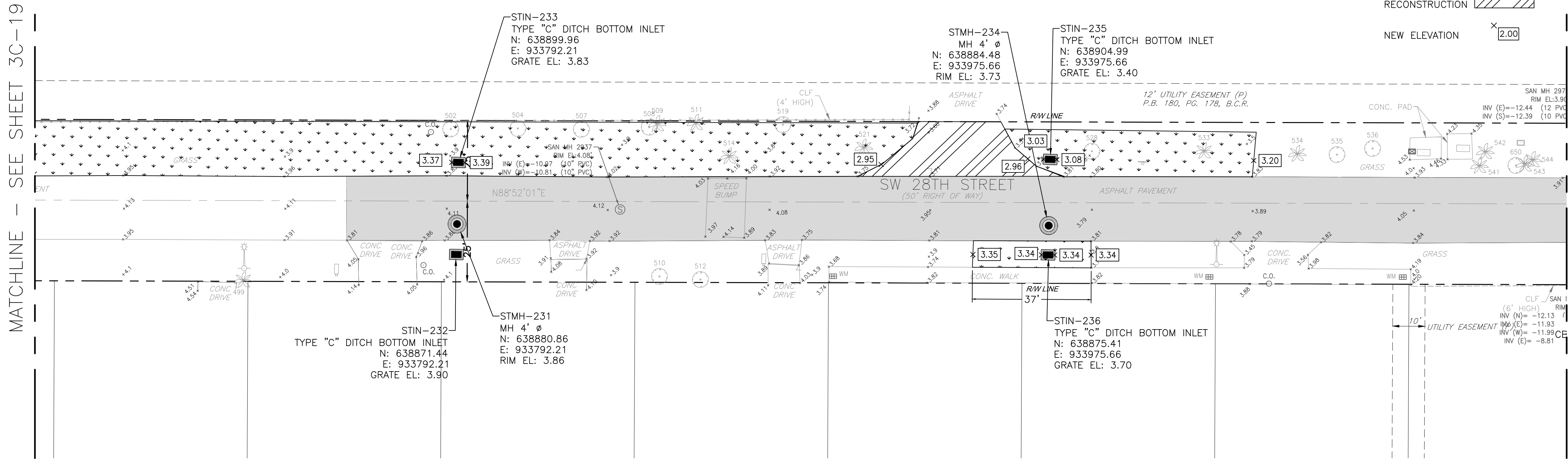


MATCHLINE - SEE SHEET 3C-19

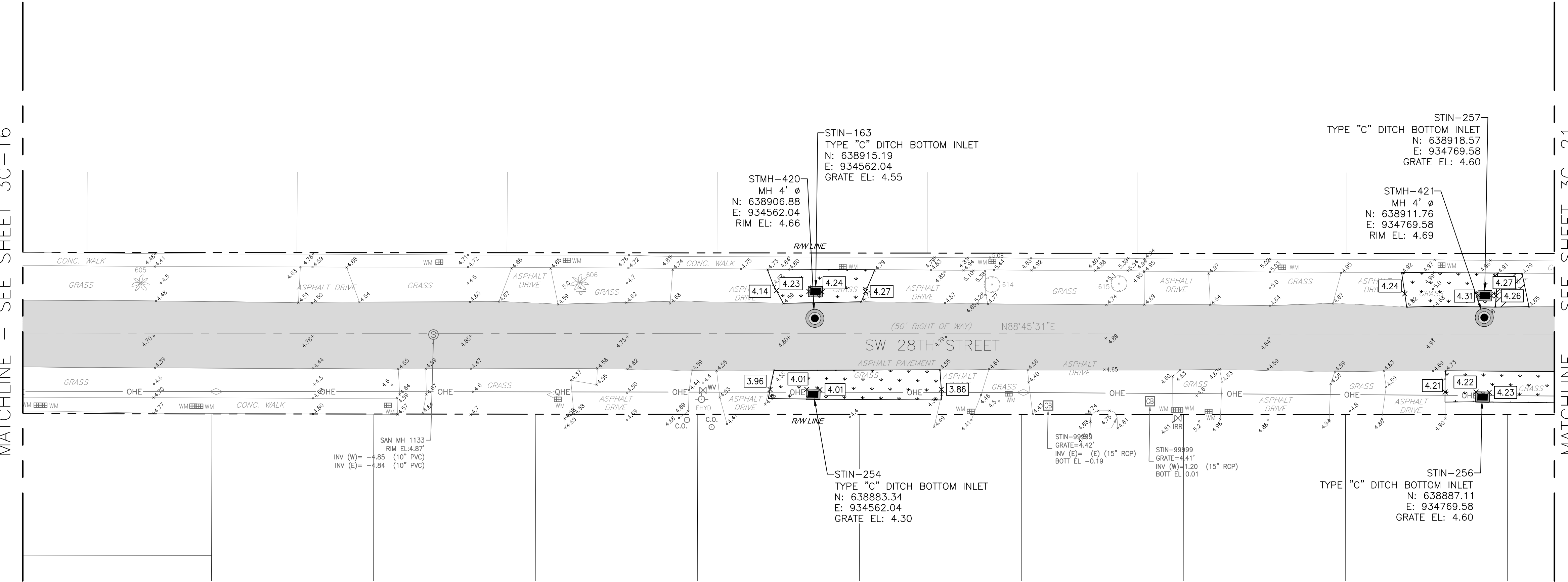
MATCHLINE - SEE SHEET 3C-16

MATCHLINE - SEE SHEET 3C-16

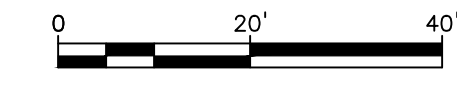
MATCHLINE - SEE SHEET 3C-21



PLAN  
1"=20'-0"



PLAN  
1"=20'-0"

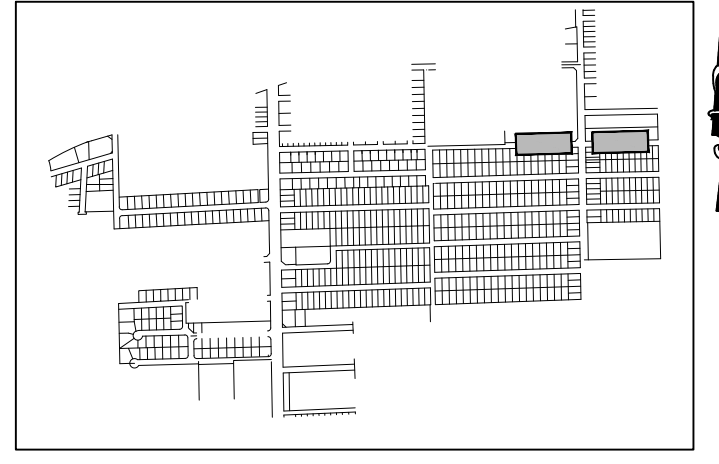


**LEGEND:**

- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION
- NEW ELEVATION

**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



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ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: TAV  
SCALE: 1"=20'  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHKD	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 19

SHEET NO.  
**3C-20**

TOTAL: 224

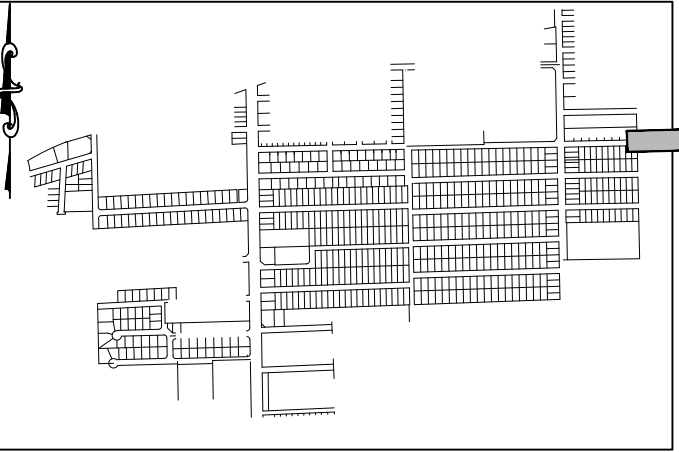
CAD FILE: 11842-3C20

DRAWING FILE NO. 4-142-65



**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



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NTS

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LEGEND:

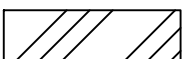
- GRASS SWALE

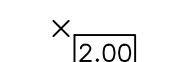
MILL AND RESURFACE

DRIVEWAY RECONSTRUCTION

NEW ELEVATION
- 







2.00

MATCHLINE - SEE SHEET 3C-20

MATCHLINE - SEE BOTTOM LEFT

MATCHLINE - SEE TOP RIGHT

MATCHLINE - SEE SHEET 3C-22


PLAN  
1"=20'-0"

PLAN  
1"=20'-0"

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY:	AA	DATE:	APRIL 2021
DESIGNED BY:	TAV	SCALE:	1"=20'
CHECKED BY:	RBT		
FIELD BOOK:	XXXX		

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHD

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 20

SHEET NO.  
**3C-21**

TOTAL: 224

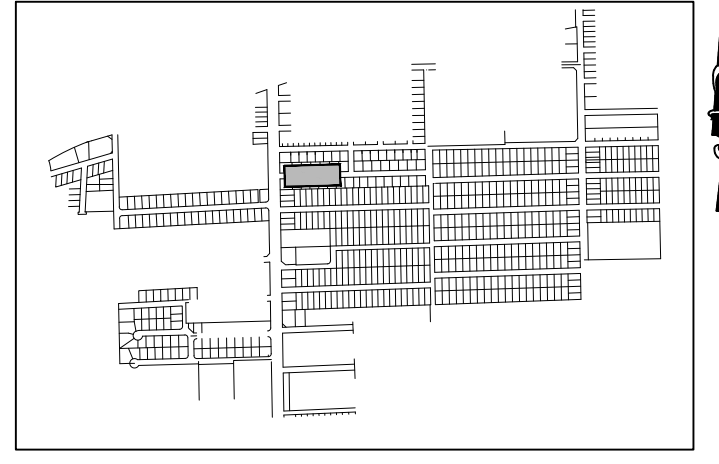
CAD FILE:  
11842-3C21

DRAWING FILE NO.  
4-142-65



# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

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VERTICAL DATUM 1988 (NAVD 1988)



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ENGINEER:  
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REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: TAV  
SCALE: 1"=20'  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 21

SHEET NO.  
**3C-22**

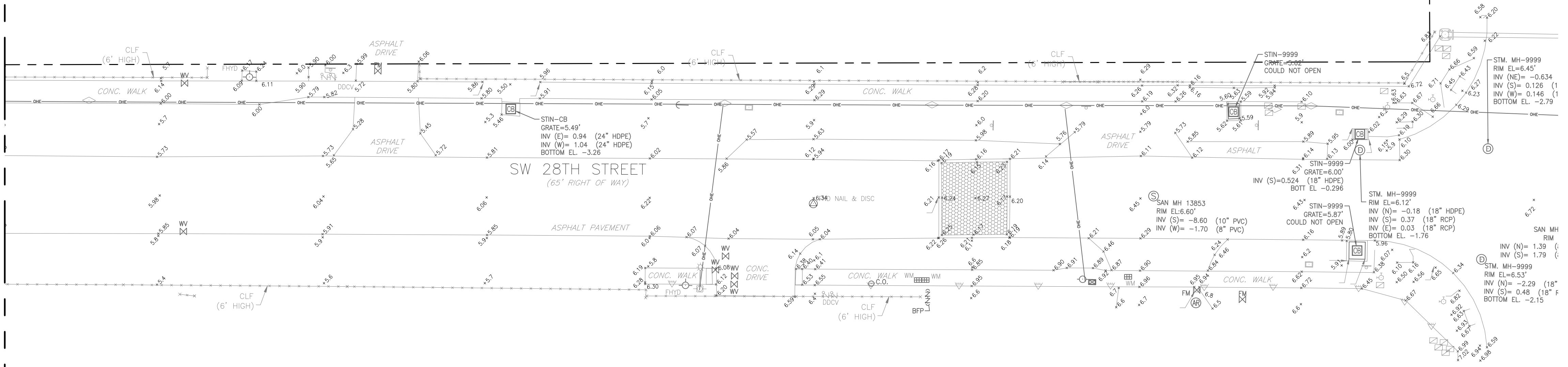
TOTAL: 224

CAD FILE: 11842-3C22

DRAWING FILE NO. 4-142-65

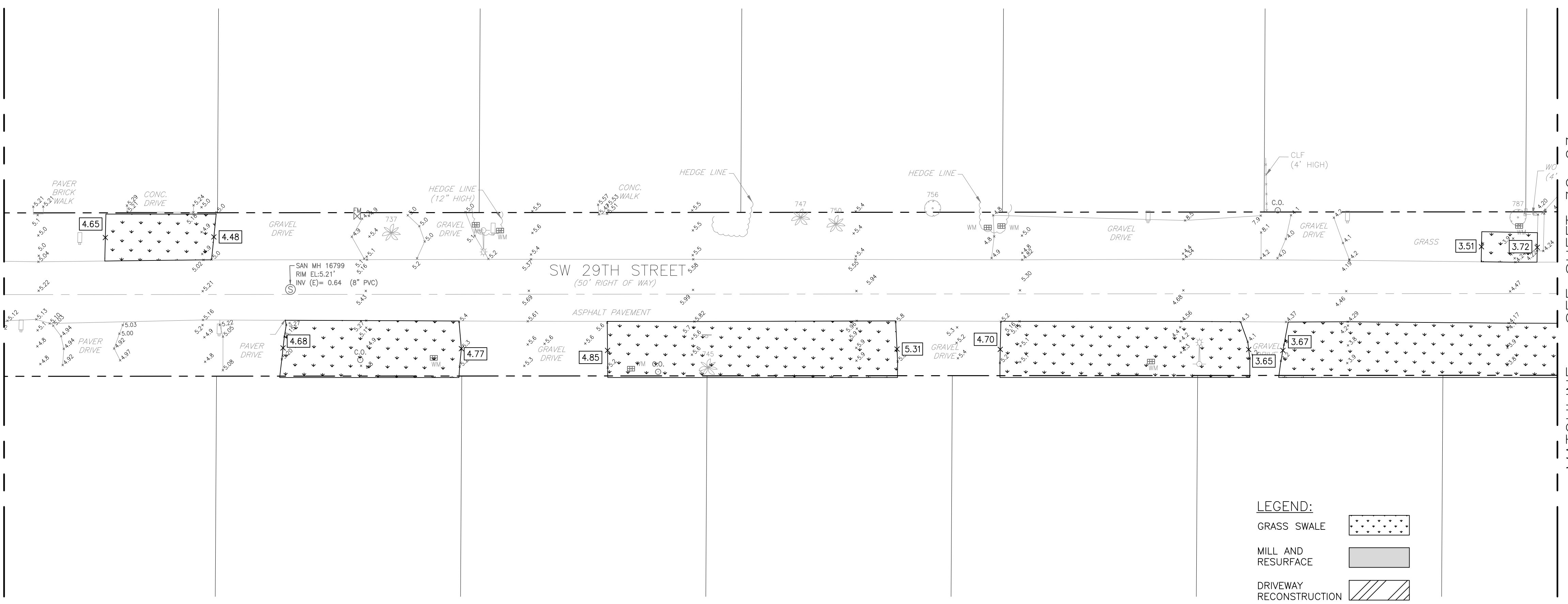
BID SET

MATCHLINE - SEE SHEET 3C-21



PLAN  
1"=20'-0"

MATCHLINE - SEE SHEET 3C-10



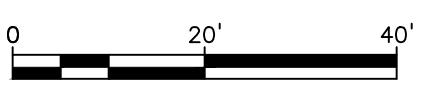
LEGEND:

GRASS SWALE

MILL AND RESURFACE

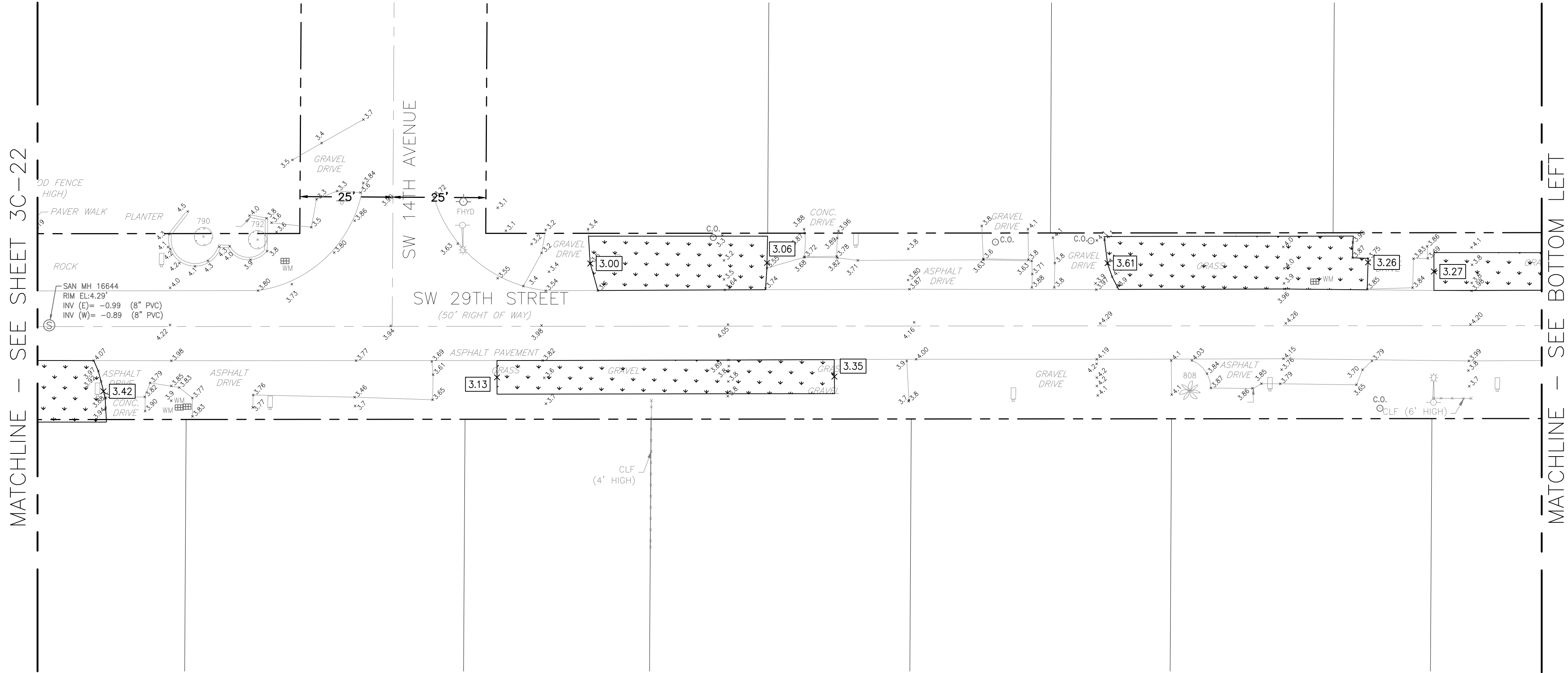
DRIVEWAY RECONSTRUCTION

NEW ELEVATION

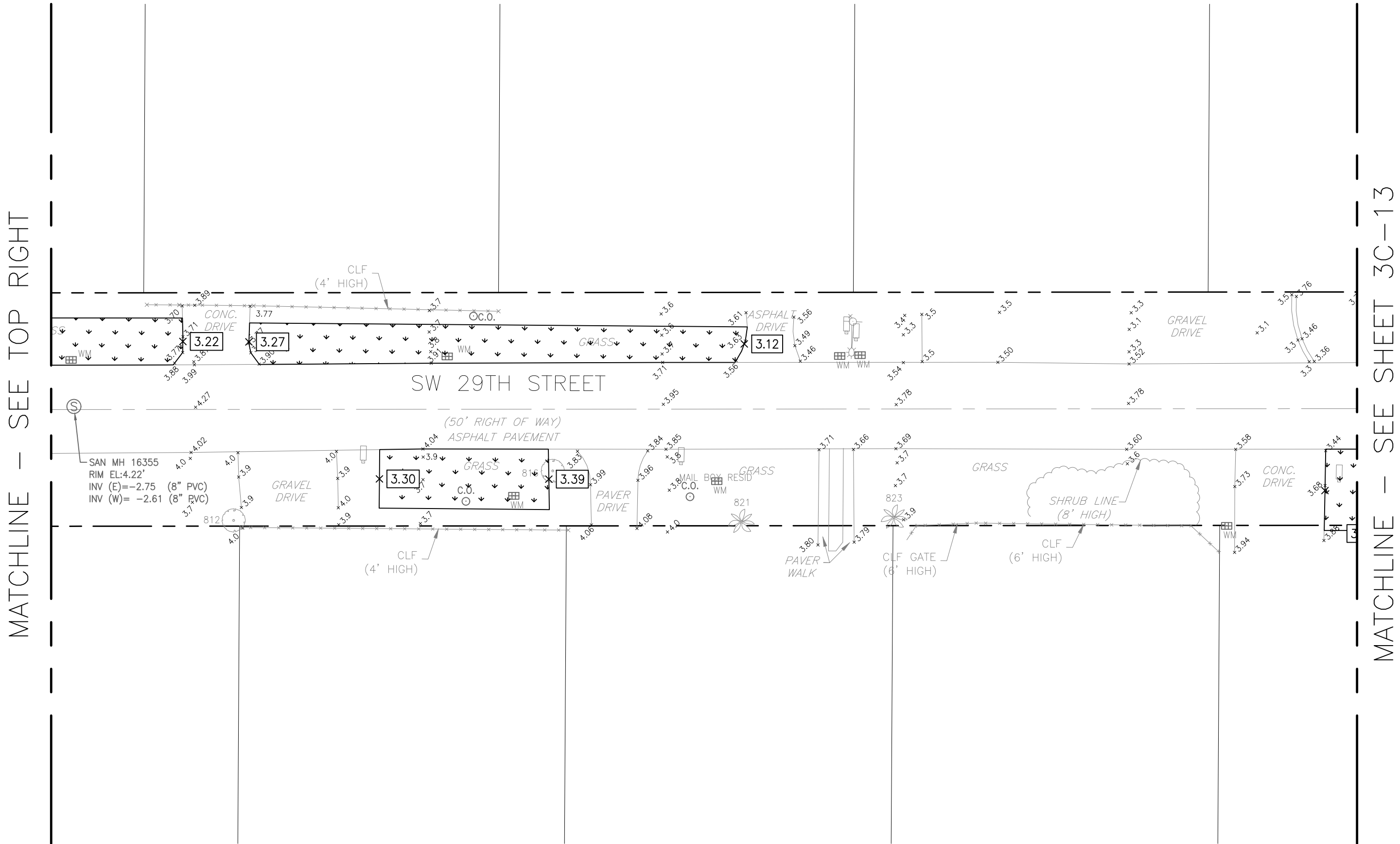


PLAN  
1"=20'-0"





PLAN  
1"=20'-0"



PLAN  
1"=20'-0"

MATCHLINE - SEE SHEET 3C-22

MATCHLINE - SEE SHEET 3C-13

LEGEND:

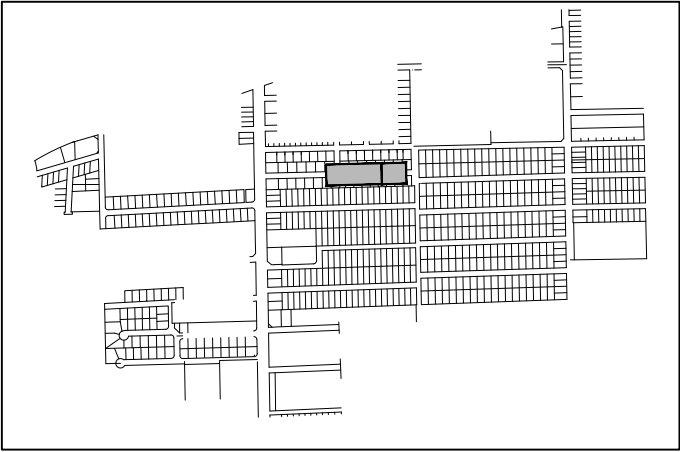
- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION
- NEW ELEVATION

X 2.00



**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
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BID SET

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FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	REVISIONS	
				DESCRIPTION	

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 22

SHEET NO.  
**3C-23**  
TOTAL: 224  
CAD FILE: 11842-3C23  
DRAWING FILE NO. 4-142-65



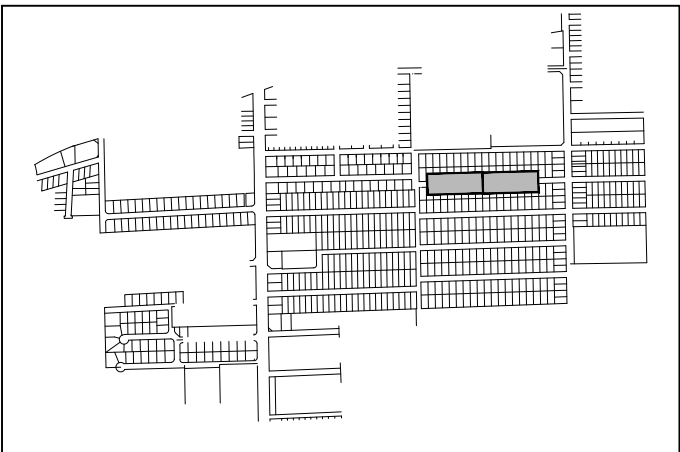
**Hazen**

HAZEN AND SAWYER  
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HOLLYWOOD, FLORIDA 33021

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- DRIVEWAYS SHOWN FOR RECONSTRUCTION SHALL BE SAME MATERIAL UNLESS NOTED OTHERWISE.
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- MILL 1" OF ASPHALT AND RESURFACE WITH 1" SP-9.5 SUPERPAVE FRICTION COURSE.
- REFER TO SHEET G-06 FOR ADDITIONAL NOTES.
- REFER TO SHEET GC-17 FOR DETAIL WITH CROSS SECTION AND REGRADING OF SWALES. TYPICAL

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 23

SHEET NO.  
**3C-24**  
TOTAL: 224  
CAD FILE: 11842-3C24  
DRAWING FILE NO. 4-142-65

BID SET

MATCHLINE - SEE SHEET 3C-13

MATCHLINE - SEE BOTTOM LEFT

MATCHLINE - SEE TOP RIGHT

PLAN  
1"=20'-0"

PLAN  
1"=20'-0"

LEGEND:

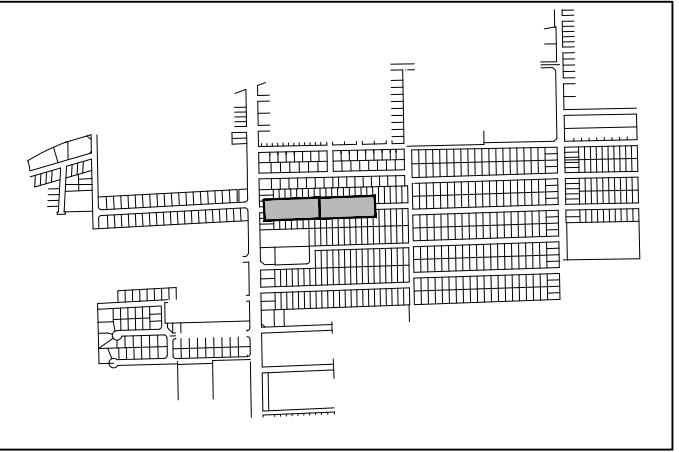
- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION
- NEW ELEVATION





**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)



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NOTES:

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- REFER TO SHEET GC-17 FOR DETAIL WITH CROSS SECTION AND REGRADING OF SWALES. TYPICAL



BID SET

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: SCALE: 1"=20'  
TAV  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CR'D

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 24

SHEET NO.  
**3C-25**

TOTAL: 224

CAD FILE:  
11842-3C25

DRAWING FILE NO.  
4-142-65

MATCHLINE - SEE SHEET 3C-10

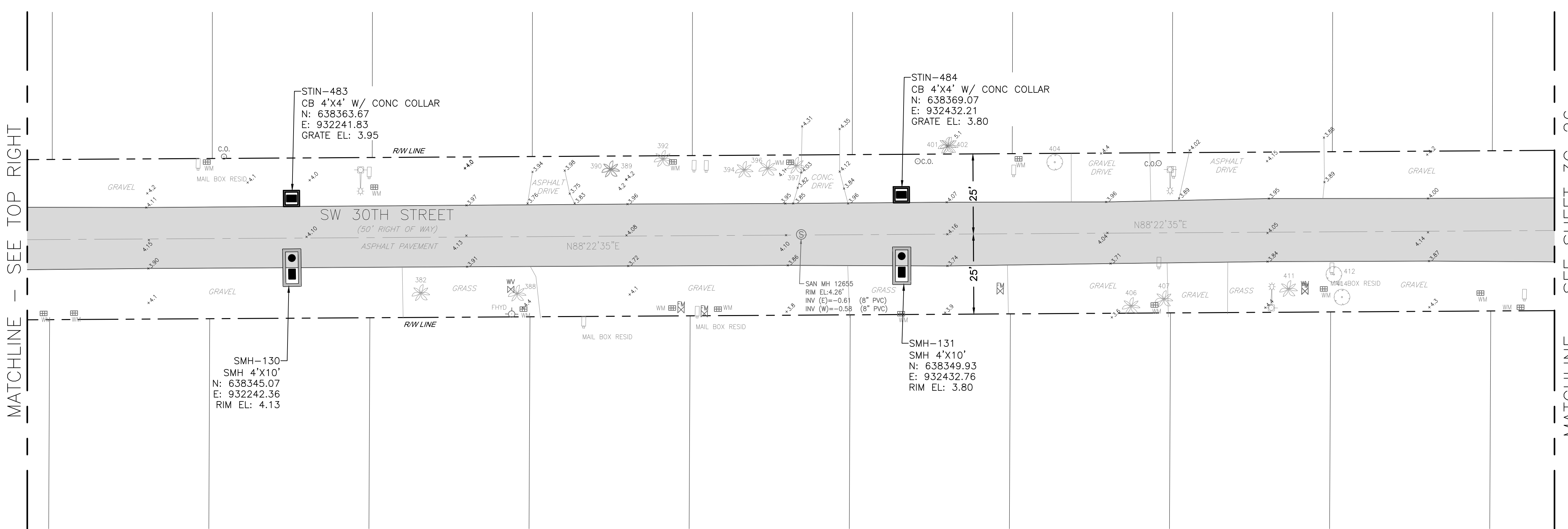
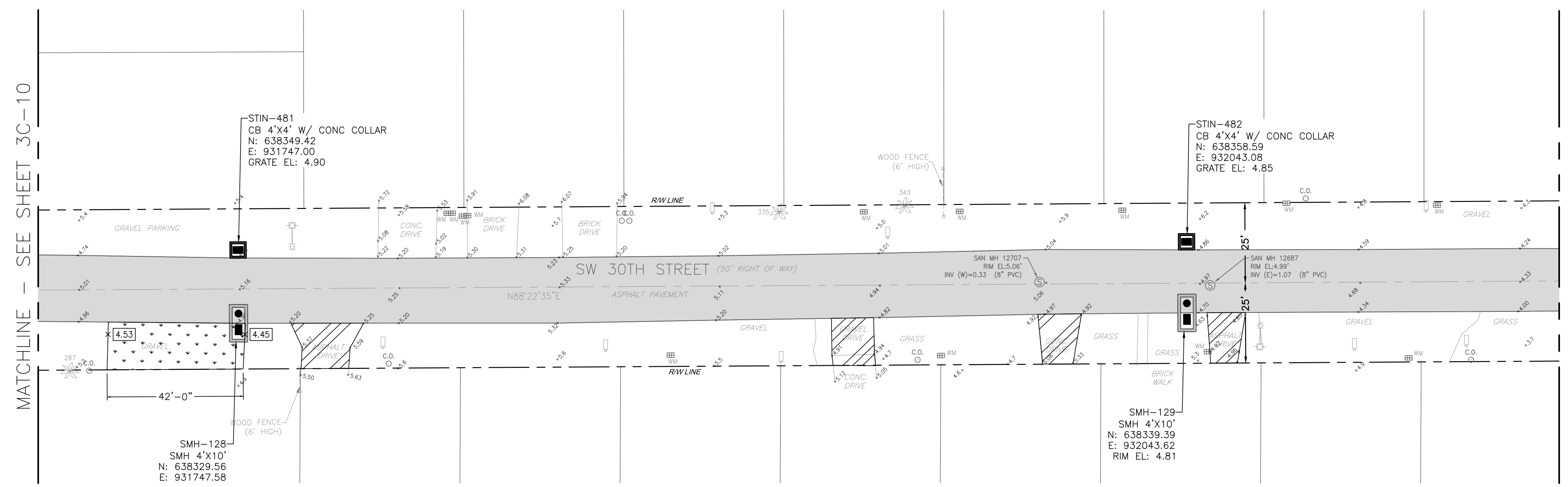
MATCHLINE - SEE BOTTOM LEFT

MATCHLINE - SEE TOP RIGHT

MATCHLINE - SEE SHEET 3C-26

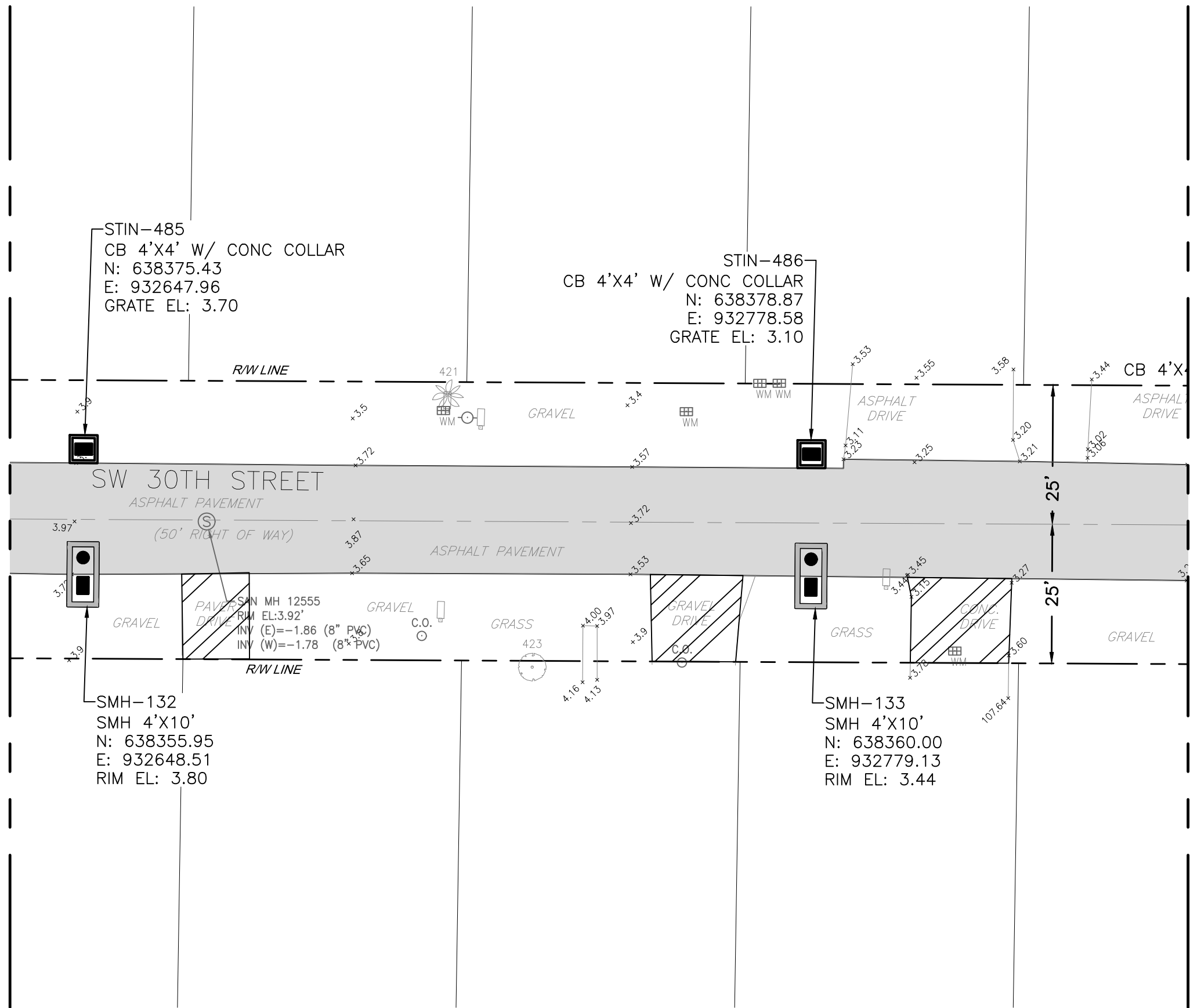
PLAN  
1"=20'-0"

PLAN  
1"=20'-0"





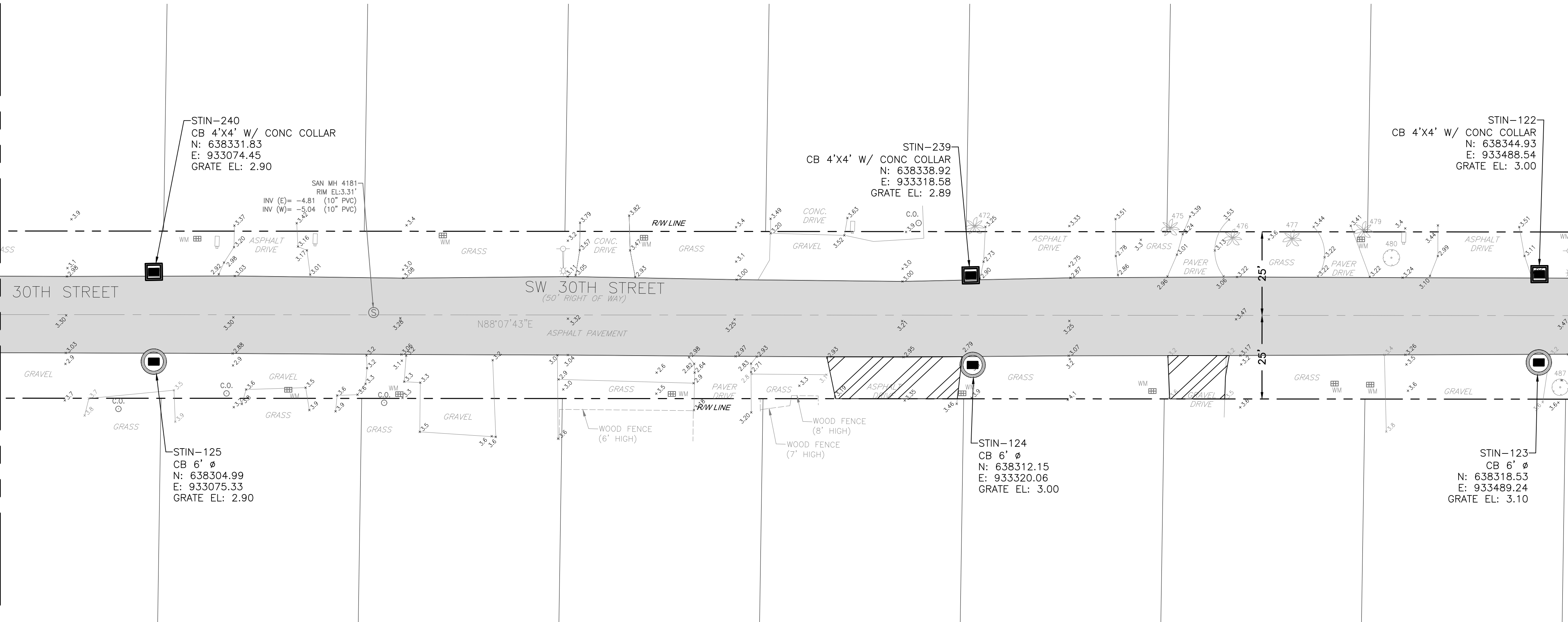
MATCHLINE - SEE SHEET 3C-25



PLAN  
1"=20'-0"

MATCHLINE - SEE SHEET 3C-13

MATCHLINE - SEE SHEET 3C-13



PLAN  
1"=20'-0"

MATCHLINE - SEE SHEET 3C-27

LEGEND:

- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION
- NEW ELEVATION X 2.00

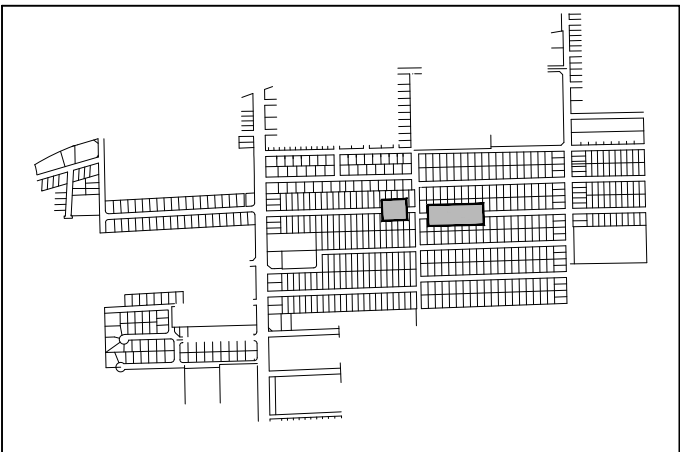
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**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

ELEVATIONS SHOWN HEREON ARE  
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VERTICAL DATUM 1988 (NAVD 1988)



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ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 02/28/2023

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021

DESIGNED BY: TAV  
SCALE: 1"=20'

CHECKED BY: RBT

FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS

NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 25

SHEET NO.

3C-26

TOTAL:

224

CAD FILE:

11842-3C26

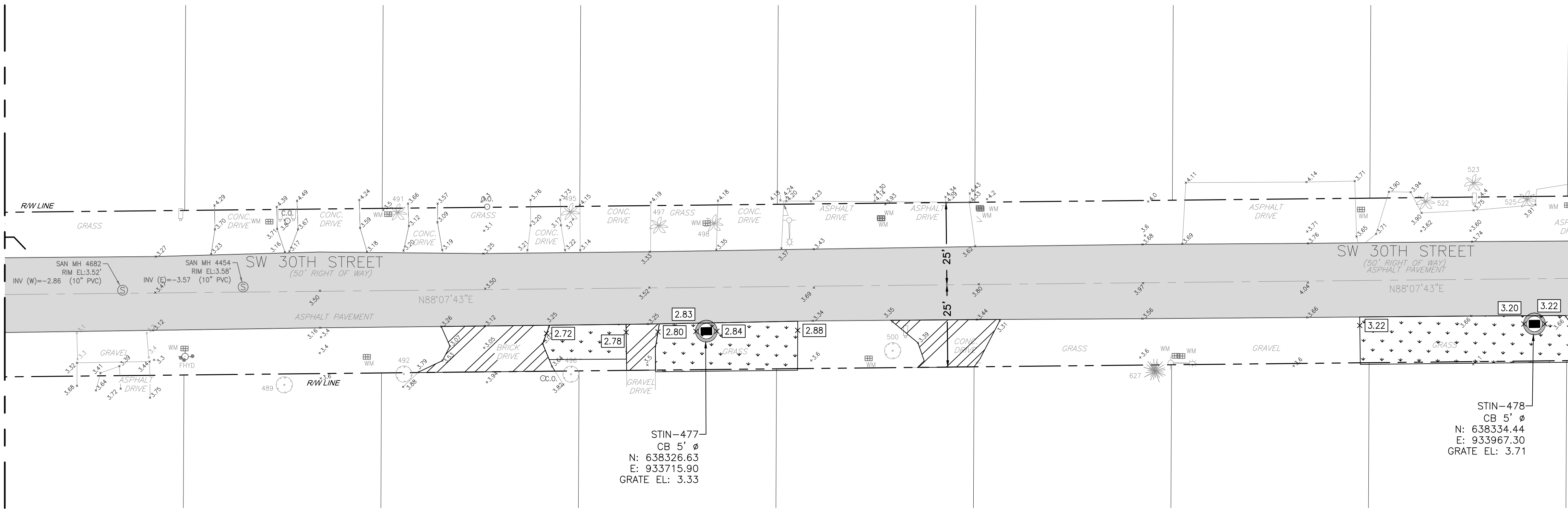
DRAWING FILE NO.

4-142-65

BID SET



MATCHLINE - SEE SHEET 3C-26

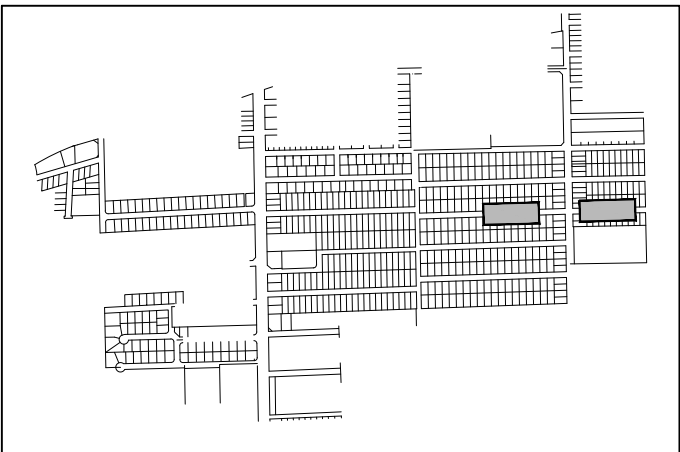


PLAN  
1"=20'-0"

- LEGEND:**
- GRASS SWALE
  - MILL AND RESURFACE
  - DRIVEWAY RECONSTRUCTION
  - NEW ELEVATION

**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

ELEVATIONS SHOWN HEREON ARE  
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VERTICAL DATUM 1988 (NAVD 1988)



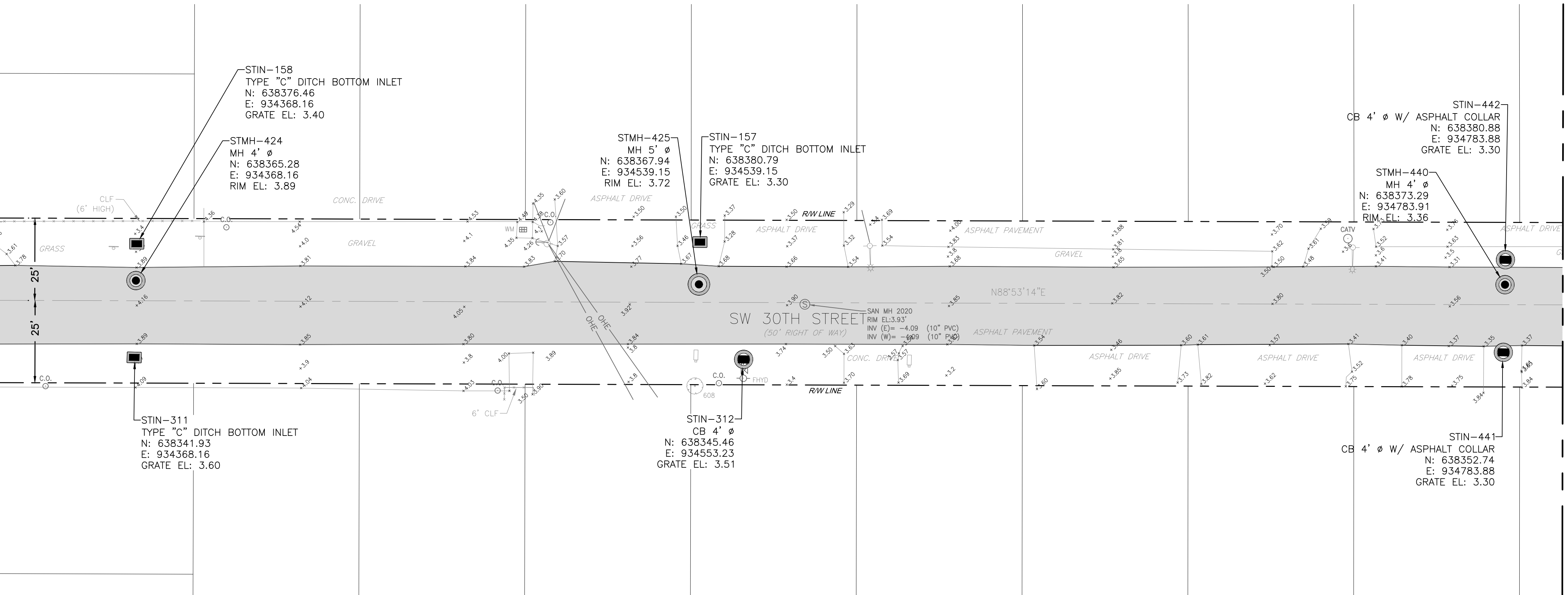
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MATCHLINE - SEE SHEET 3C-15



PLAN  
1"=20'-0"

MATCHLINE - SEE SHEET 3C-28

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 26

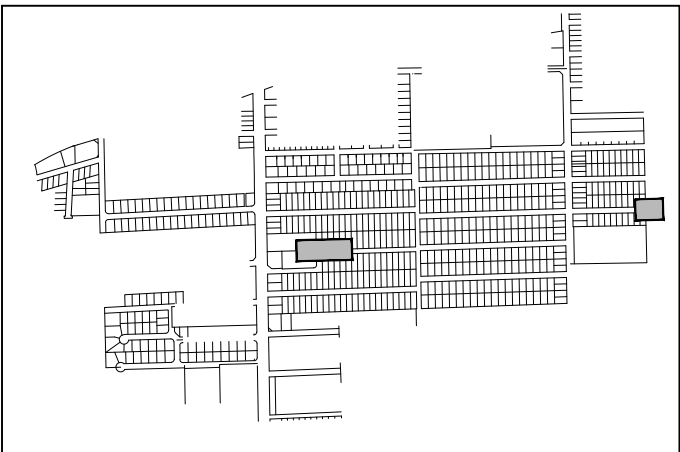
SHEET NO.	3C-27
TOTAL:	224
CAD FILE:	11842-3C27
DRAWING FILE NO.	4-142-65

BID SET



**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



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NOTES:

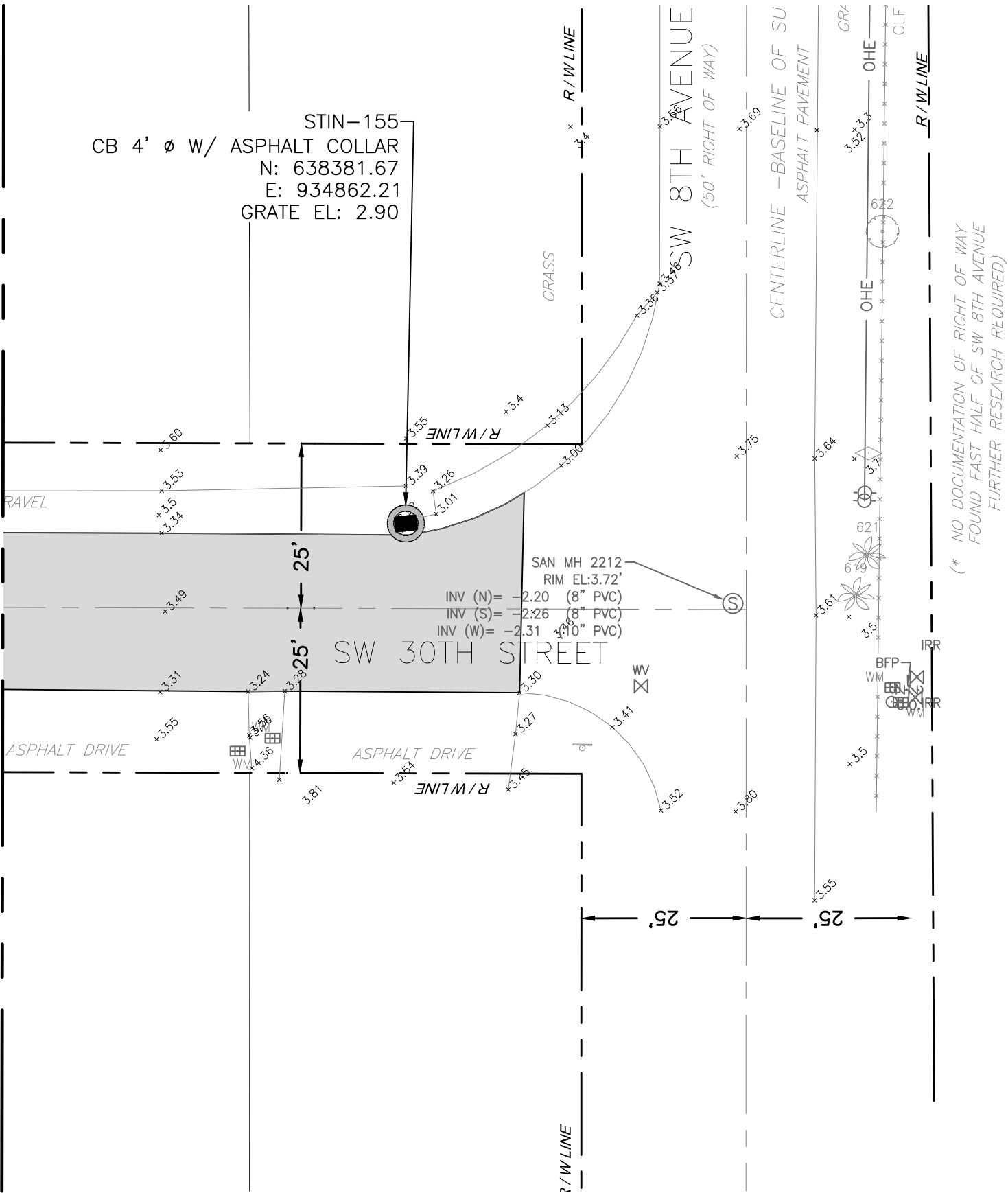
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LEGEND:

- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION
- NEW ELEVATION

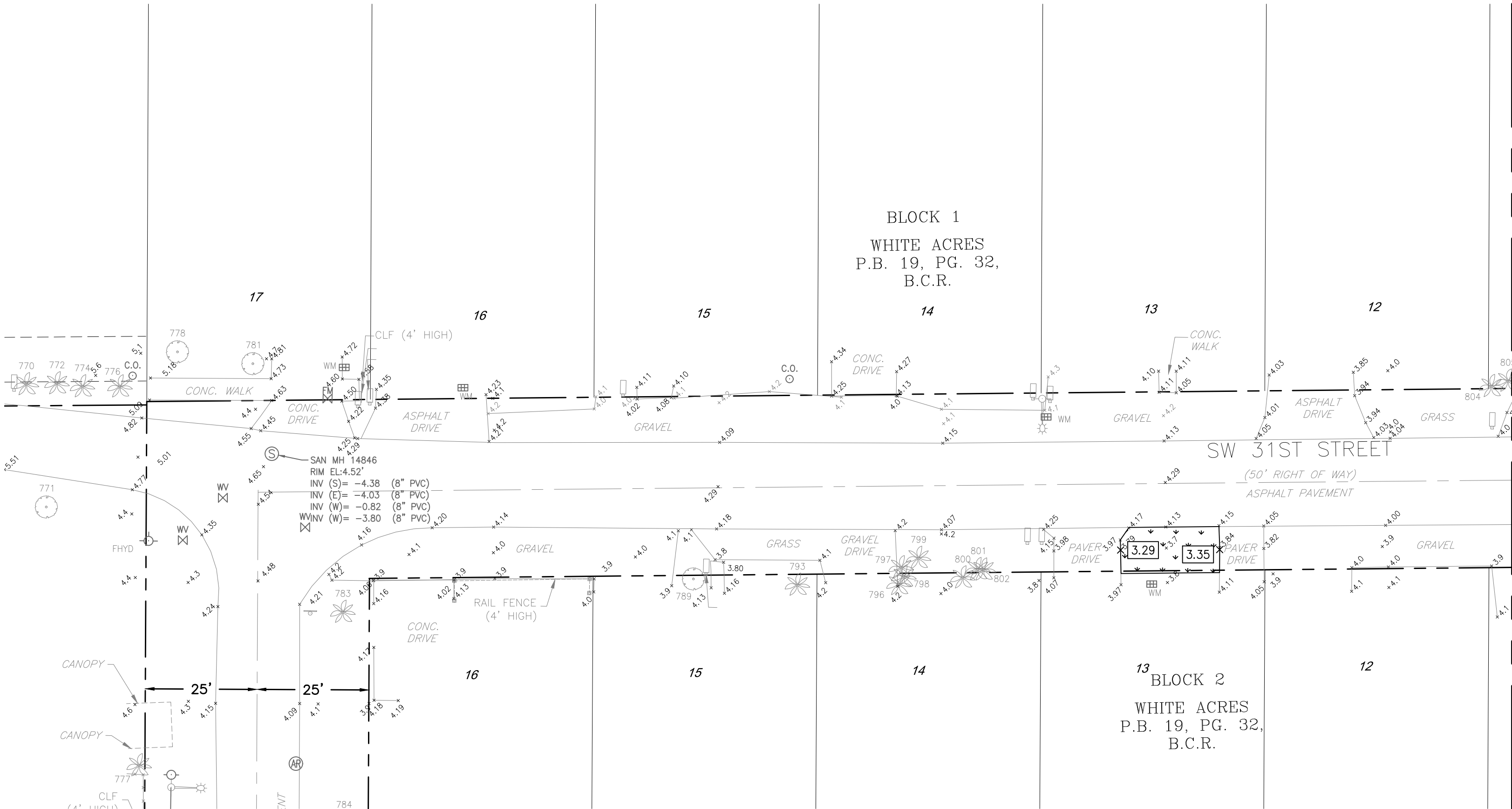


MATCHLINE - SEE SHEET 3C-27



PLAN  
1"=20'-0"

MATCHLINE - SEE SHEET 3C-29



PLAN  
1"=20'-0"

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 27

SHEET NO.	
3C-28	
TOTAL:	224
CAD FILE:	11842-3C28
DRAWING FILE NO.	4-142-65

BID SET

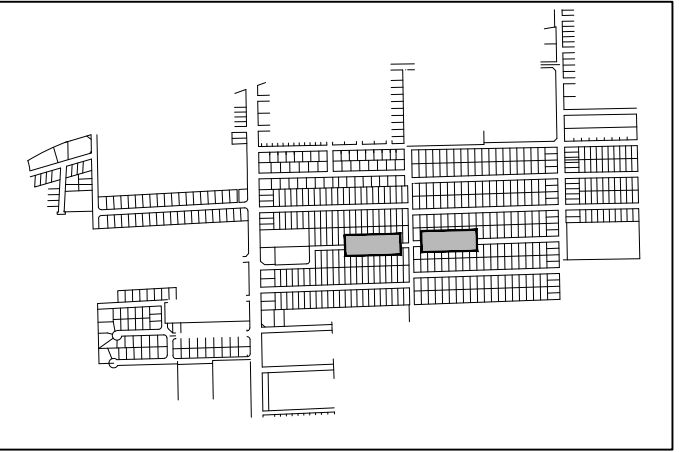
ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY:	AA	DATE:	APRIL 2021
DESIGNED BY:	TAV	SCALE:	1"=20'
CHECKED BY:	RBT		
FIELD BOOK:	XXXX		



# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP

NTS

ELEVATIONS SHOWN HEREON ARE  
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VERTICAL DATUM 1988 (NAVD 1988)



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ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
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DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: TAV  
SCALE: 1"=20'  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION	
				REV	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 28

SHEET NO.  
**3C-29**

TOTAL: 224

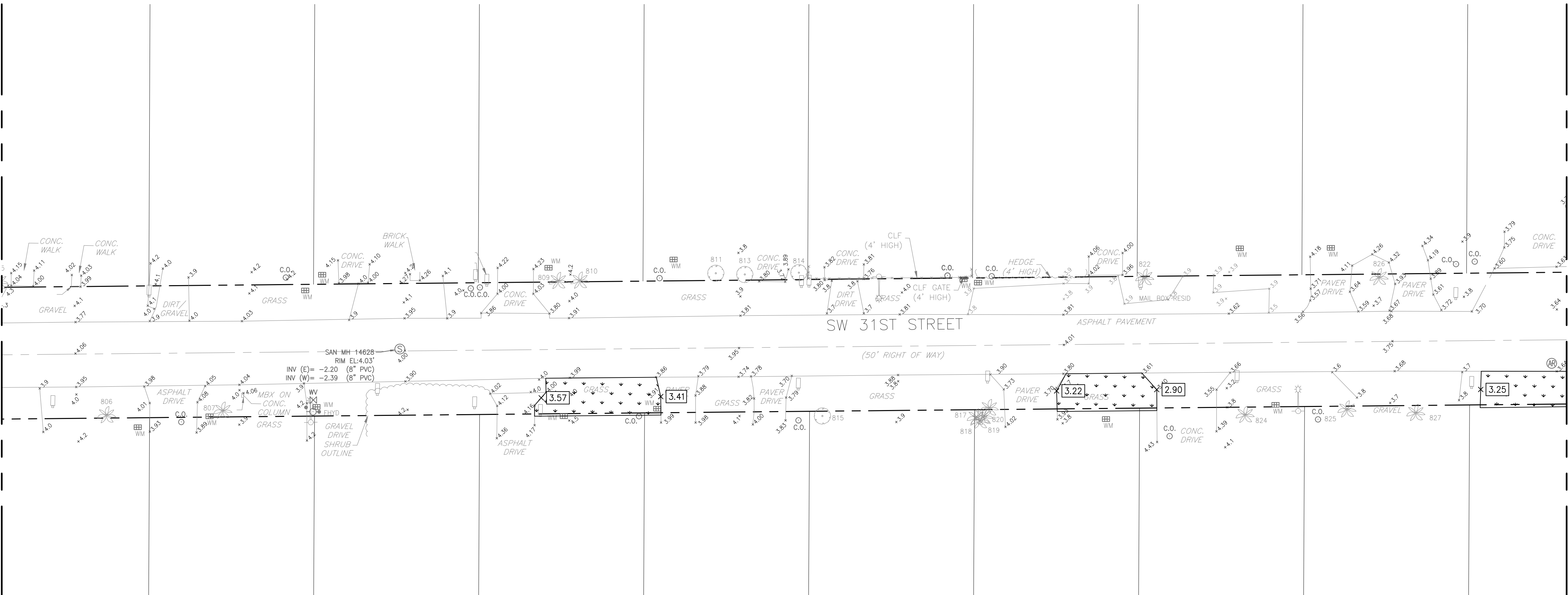
CAD FILE: 11842-3C29

DRAWING FILE NO. 4-142-65

BID SET

MATCHLINE - SEE SHEET 3C-28

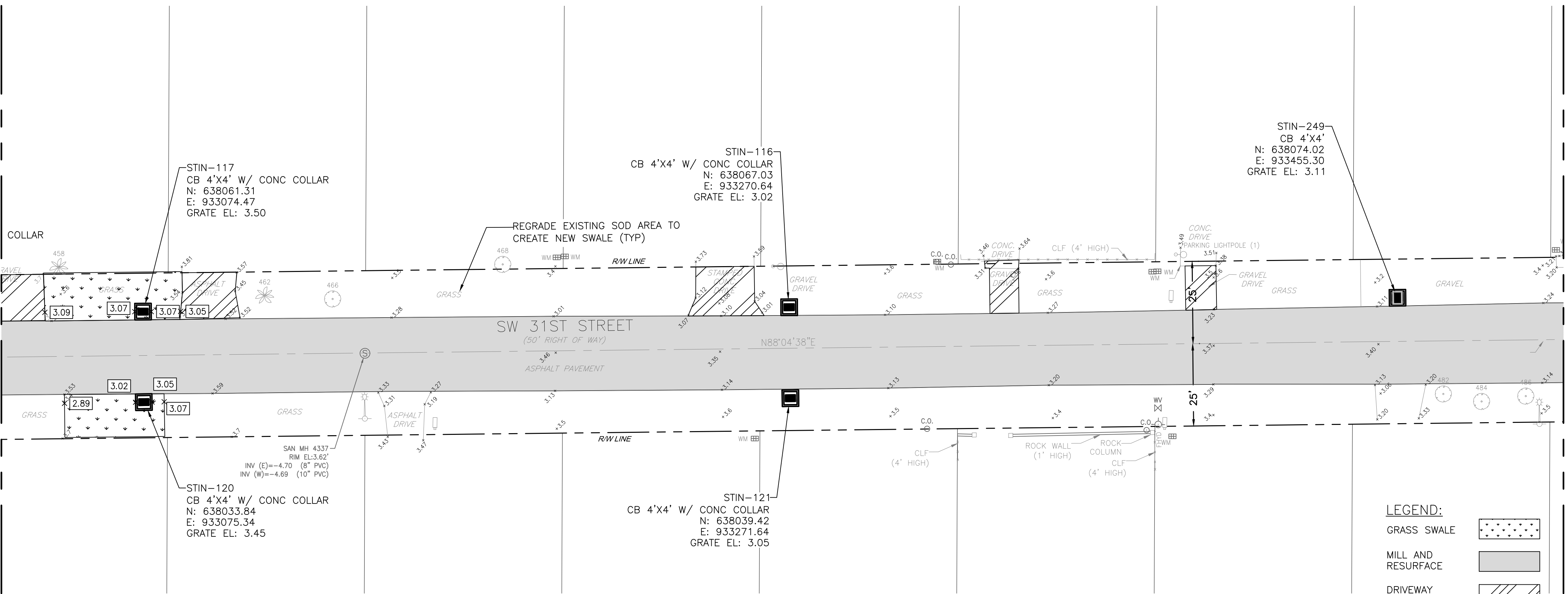
MATCHLINE - SEE SHEET 3C-13



PLAN  
1"=20'-0"

MATCHLINE - SEE SHEET 3C-13

MATCHLINE - SEE SHEET 3C-30



PLAN  
1"=20'-0"

LEGEND:

- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION

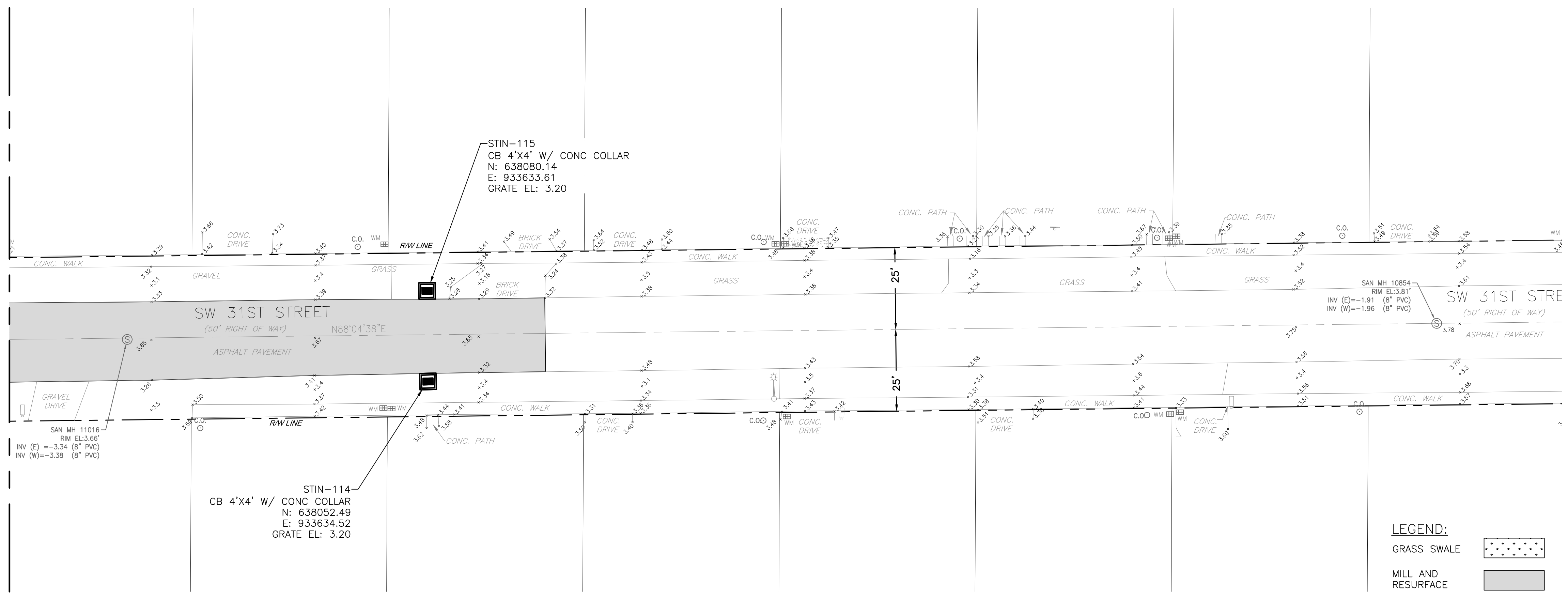
NEW ELEVATION



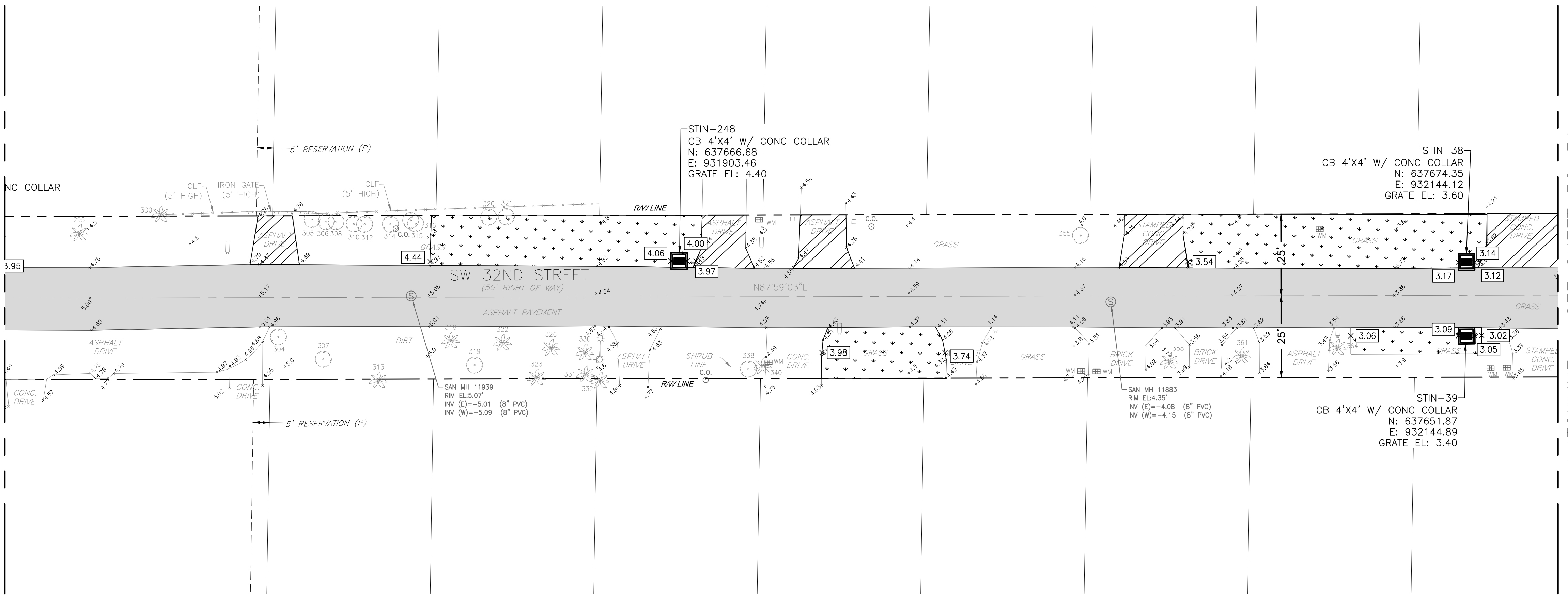


MATCHLINE - SEE SHEET 3C-29

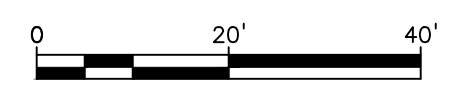
MATCHLINE - SEE SHEET 3C-09



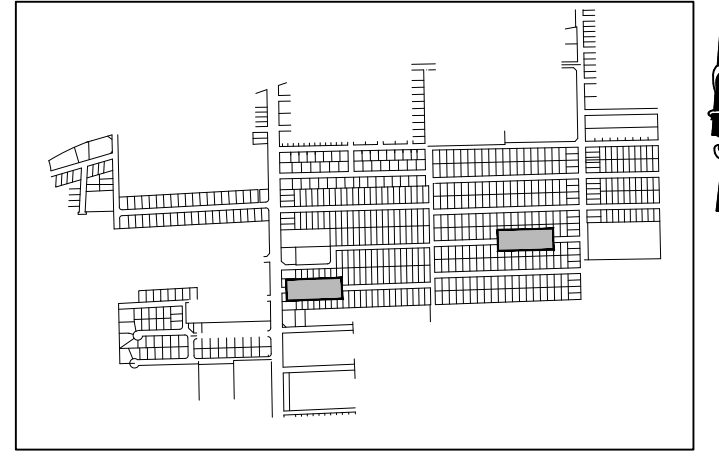
PLAN  
1"=20'-0"



PLAN  
1"=20'-0"



**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)



- NOTES:
- CONTRACTOR SHALL REPAIR/REPLACE AFFECTED GROUND COVER/SURFACES INCLUDING BUT NOT LIMITED TO PAVERS, SIDEWALK, DRIVEWAYS, SOD, LANDSCAPE AND BRING IT TO EXISTING OR BETTER CONDITIONS, OR TO CONDITIONS SPECIFICALLY NOTED ON DRAWINGS.
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  - 112,329 SQ FT OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT.
  - MILL 1" OF ASPHALT AND RESURFACE WITH 1" SP-9.5 SUPERPAVE FRICTION COURSE.
  - REFER TO SHEET G-06 FOR ADDITIONAL NOTES.
  - REFER TO SHEET GC-17 FOR DETAIL WITH CROSS SECTION AND REGRADING OF SWALES. TYPICAL

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: TAV  
SCALE: 1"=20'  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 29

SHEET NO.  
**3C-30**

TOTAL: 224

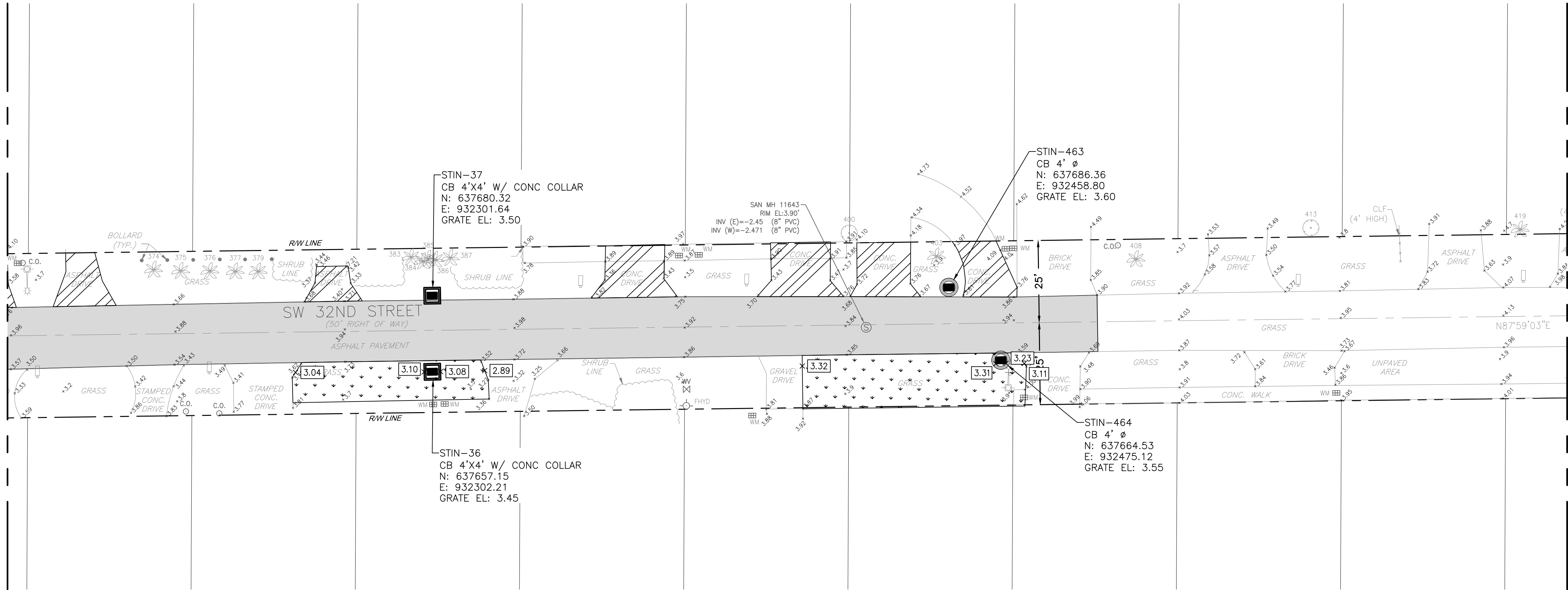
CAD FILE: 11842-3C30

DRAWING FILE NO. 4-142-65



MATCHLINE - SEE SHEET 3C-30

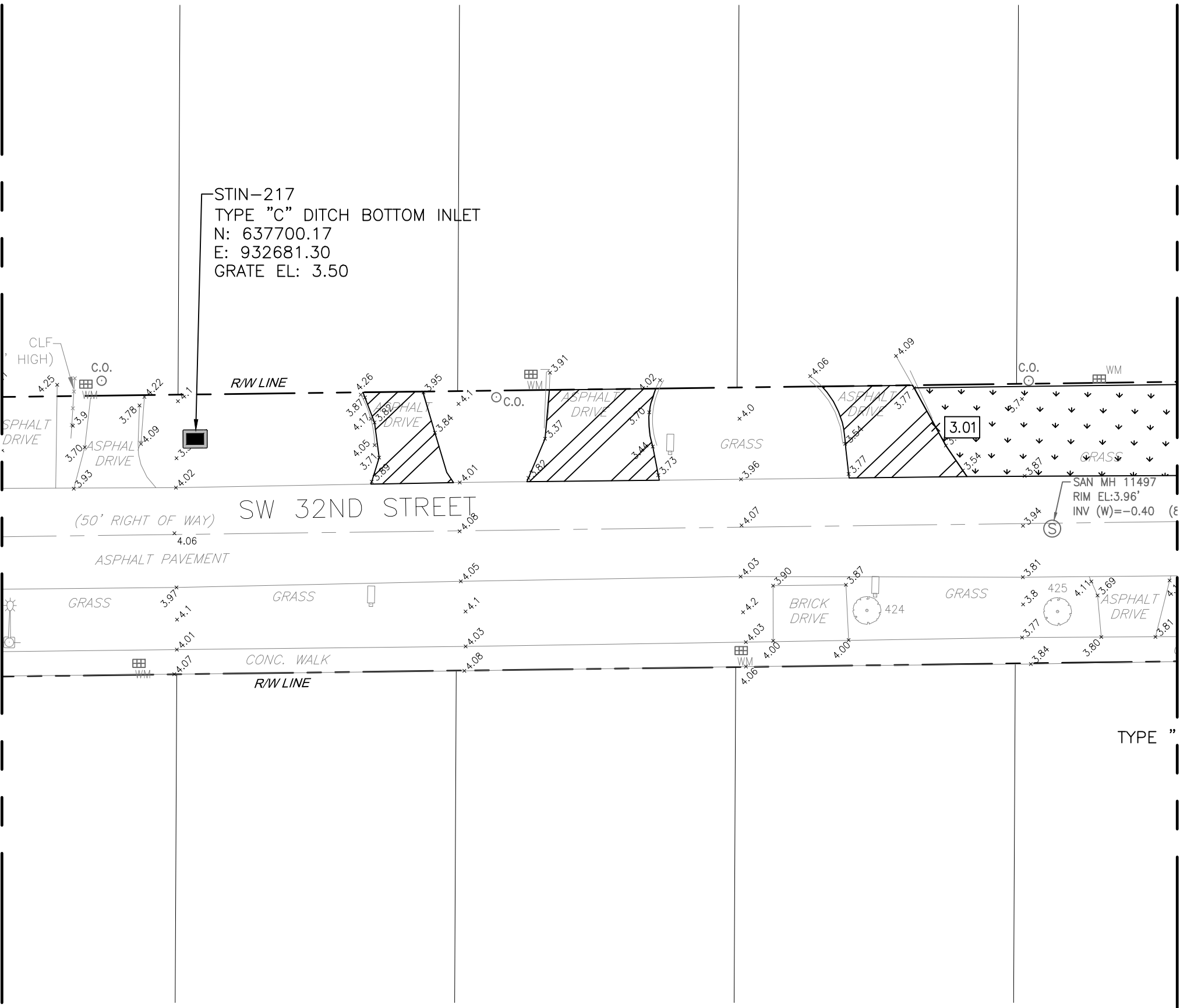
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PLAN  
1"=20'-0"

MATCHLINE - SEE TOP RIGHT

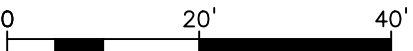
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PLAN  
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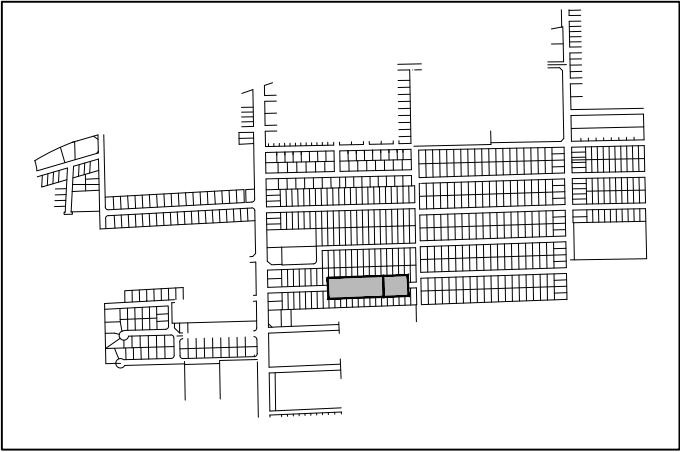
LEGEND:

- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION
- NEW ELEVATION



**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

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VERTICAL DATUM 1988 (NAVD 1988)



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BID SET

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: TAV  
SCALE: 1"=20'  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	REVISIONS	
				DESCRIPTION	

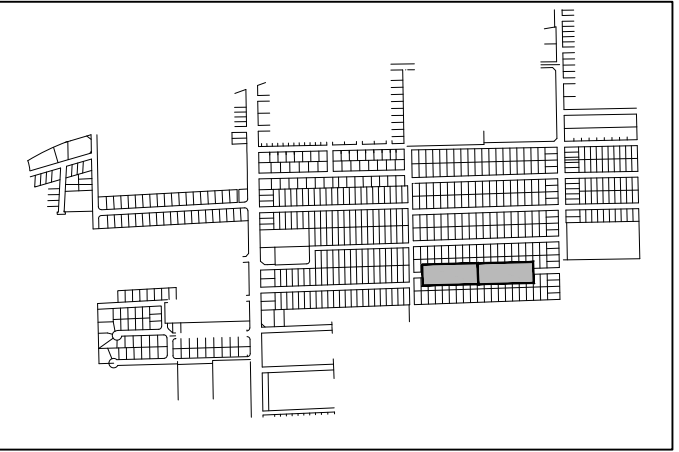
PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 30

SHEET NO.  
**3C-31**  
TOTAL: 224  
CAD FILE: 11842-3C31  
DRAWING FILE NO. 4-142-65



**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



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DATE: 06/28/2023  
TEL: 954-987-0066  
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DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: SCALE: 1"=20'  
TAV  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	REVISIONS		DESCRIPTION
		BY	CHK'D	

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 31

SHEET NO.  
**3C-32**

TOTAL: 224

CAD FILE: 11842-3C32

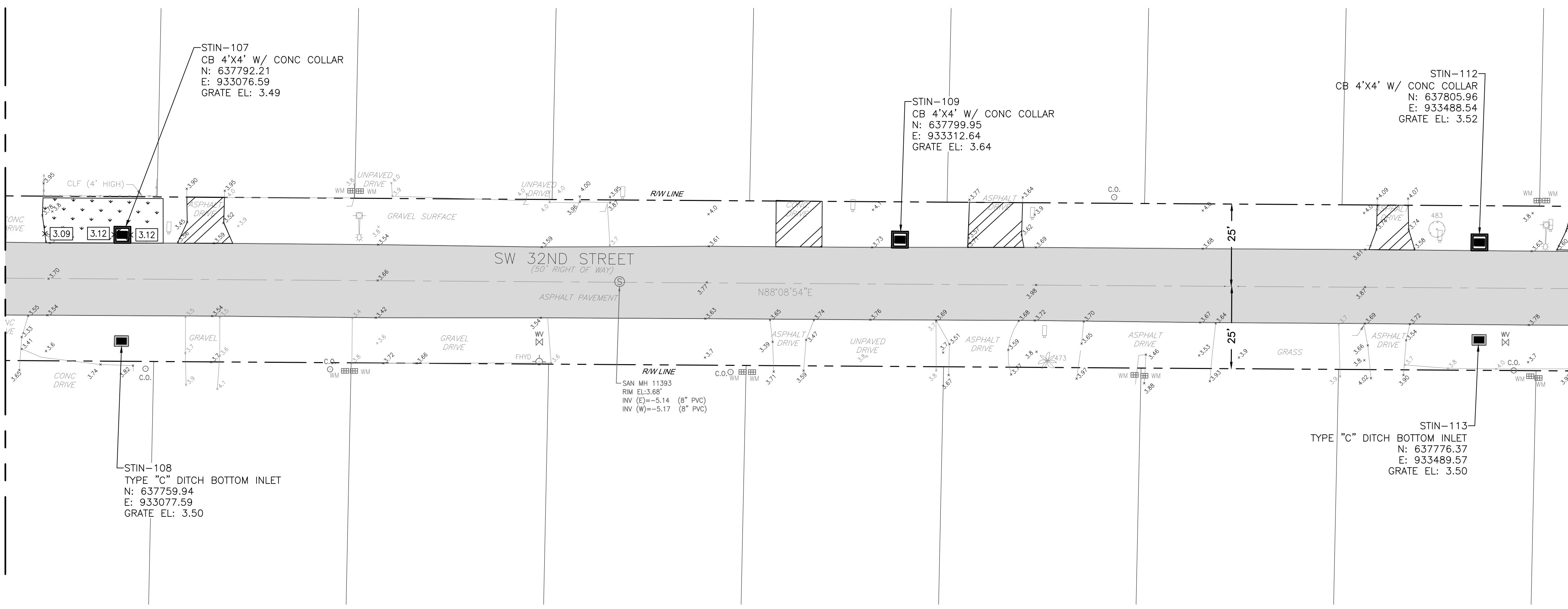
DRAWING FILE NO. 4-142-65

BID SET

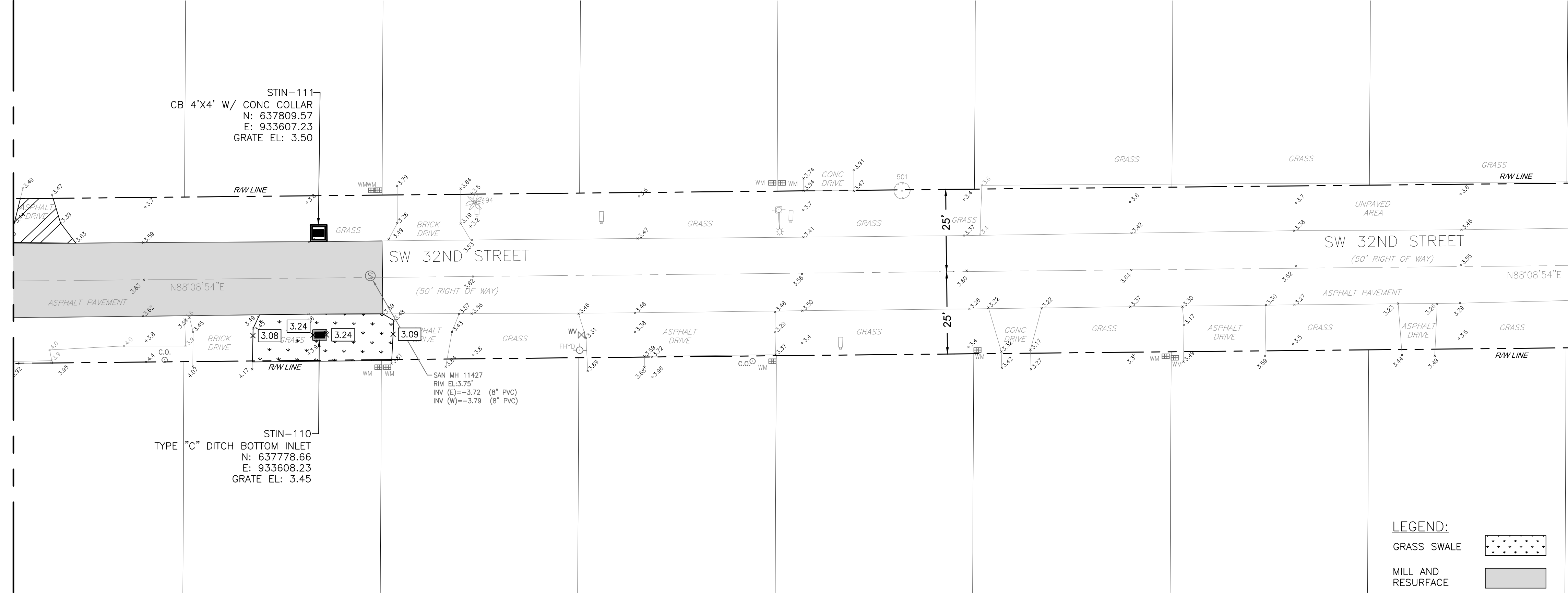
MATCHLINE - SEE SHEET 3C-12

MATCHLINE - SEE TOP RIGHT

MATCHLINE - SEE BOTTOM LEFT



PLAN  
1"=20'-0"



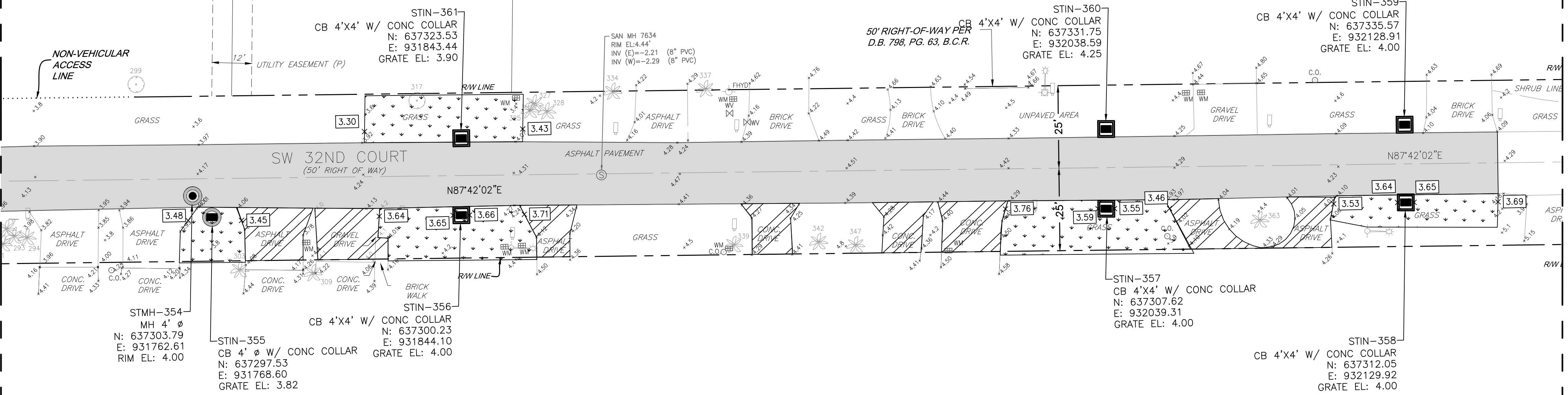
PLAN  
1"=20'-0"





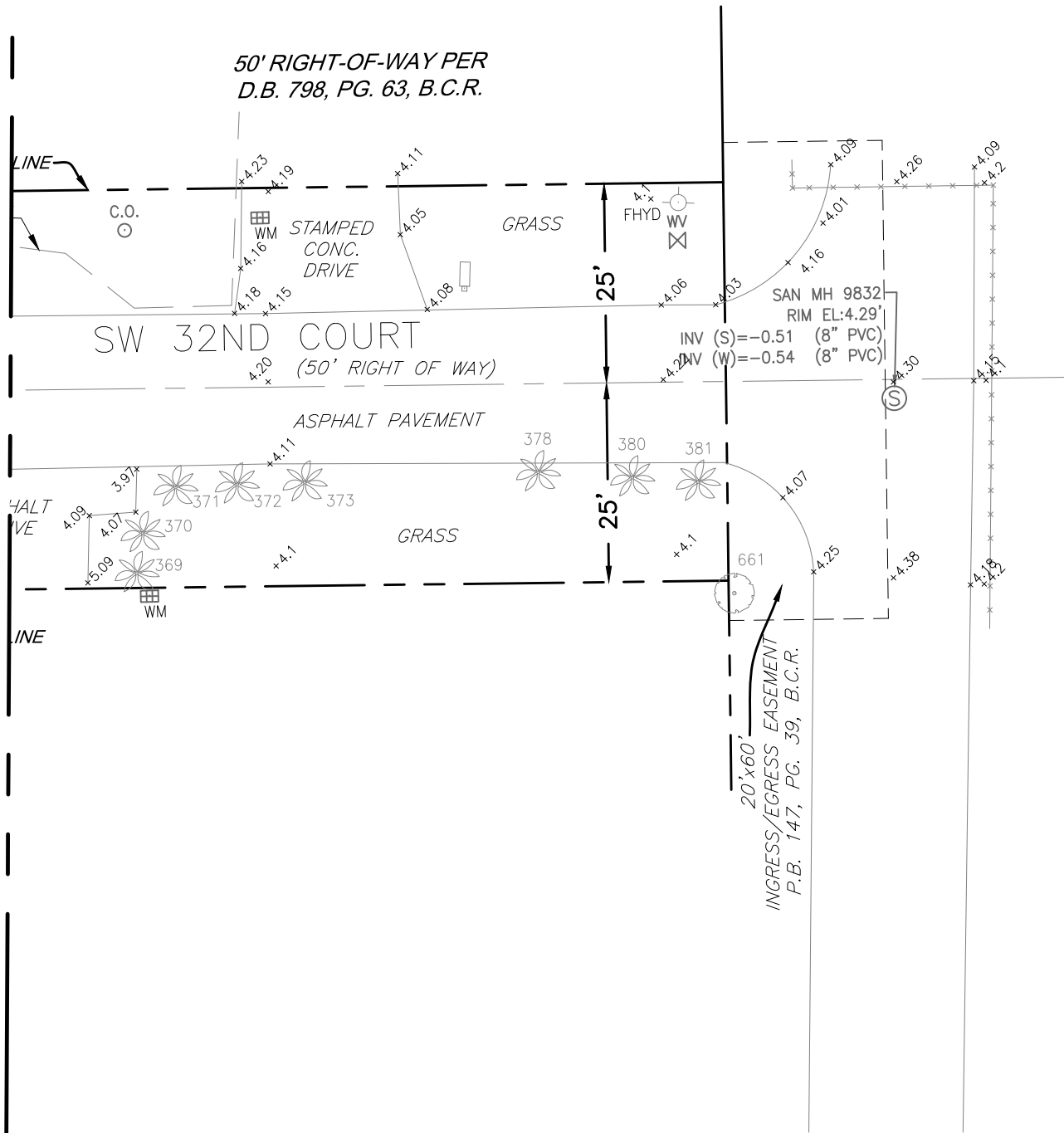
MATCHLINE - SEE SHEET 1C-08

MATCHLINE - SEE BOTTOM LEFT



PLAN  
1"=20'-0"

MATCHLINE - SEE TOP RIGHT



PLAN  
1"=20'-0"

**LEGEND:**

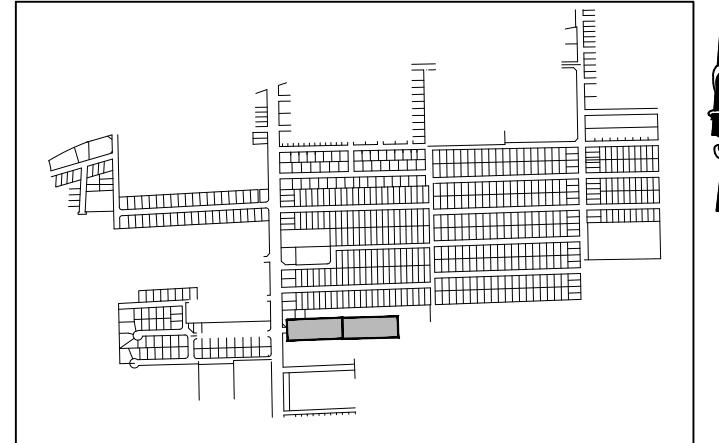
- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION
- NEW ELEVATION

0 20' 40'

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**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

**811**

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ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021

DESIGNED BY: TAV  
SCALE: 1"=20'

CHECKED BY: RBT

FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISITONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 32

SHEET NO.  
**3C-33**

TOTAL: 224

CAD FILE: 11842-3C33

DRAWING FILE NO. 4-142-65



**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
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DATE: APRIL 2021  
DESIGNED BY: TAV  
SCALE: 1"=20'

CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



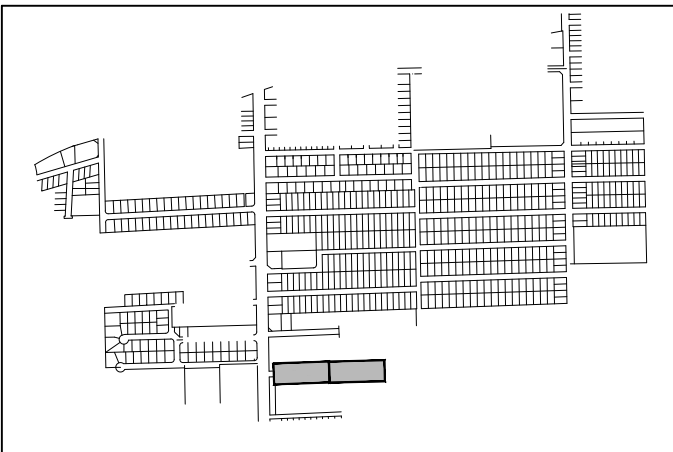
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHKD	REVISIONS	
				DESCRIPTION	

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 33

SHEET NO.	33
TOTAL:	224
CAD FILE:	11842-3C34
DRAWING FILE NO.	4-142-65

BID SET



KEY MAP  
NTS

ELEVATIONS SHOWN HEREON ARE  
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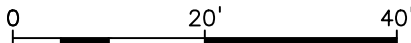
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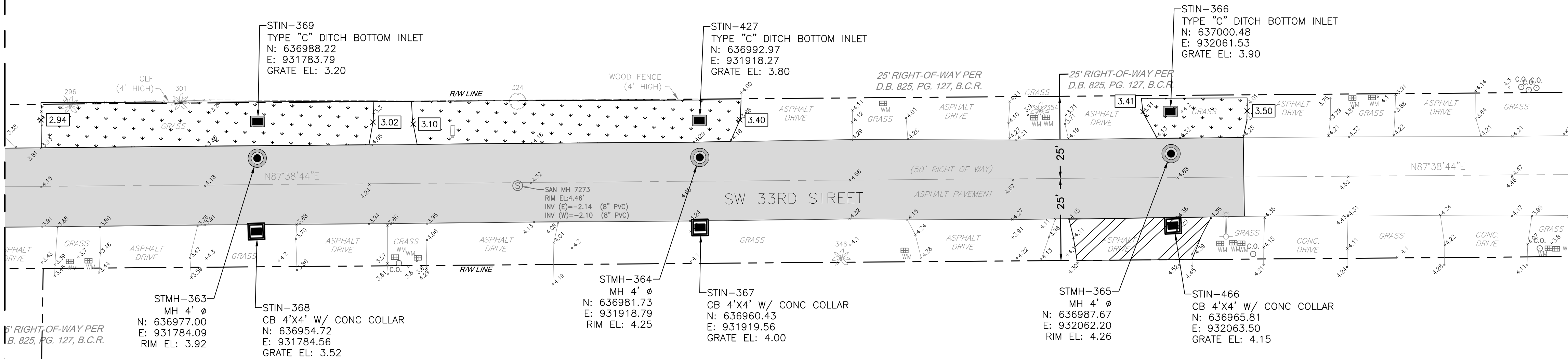
LEGEND:

- GRASS SWALE
- MILL AND RESURFACE
- DRIVEWAY RECONSTRUCTION
- NEW ELEVATION



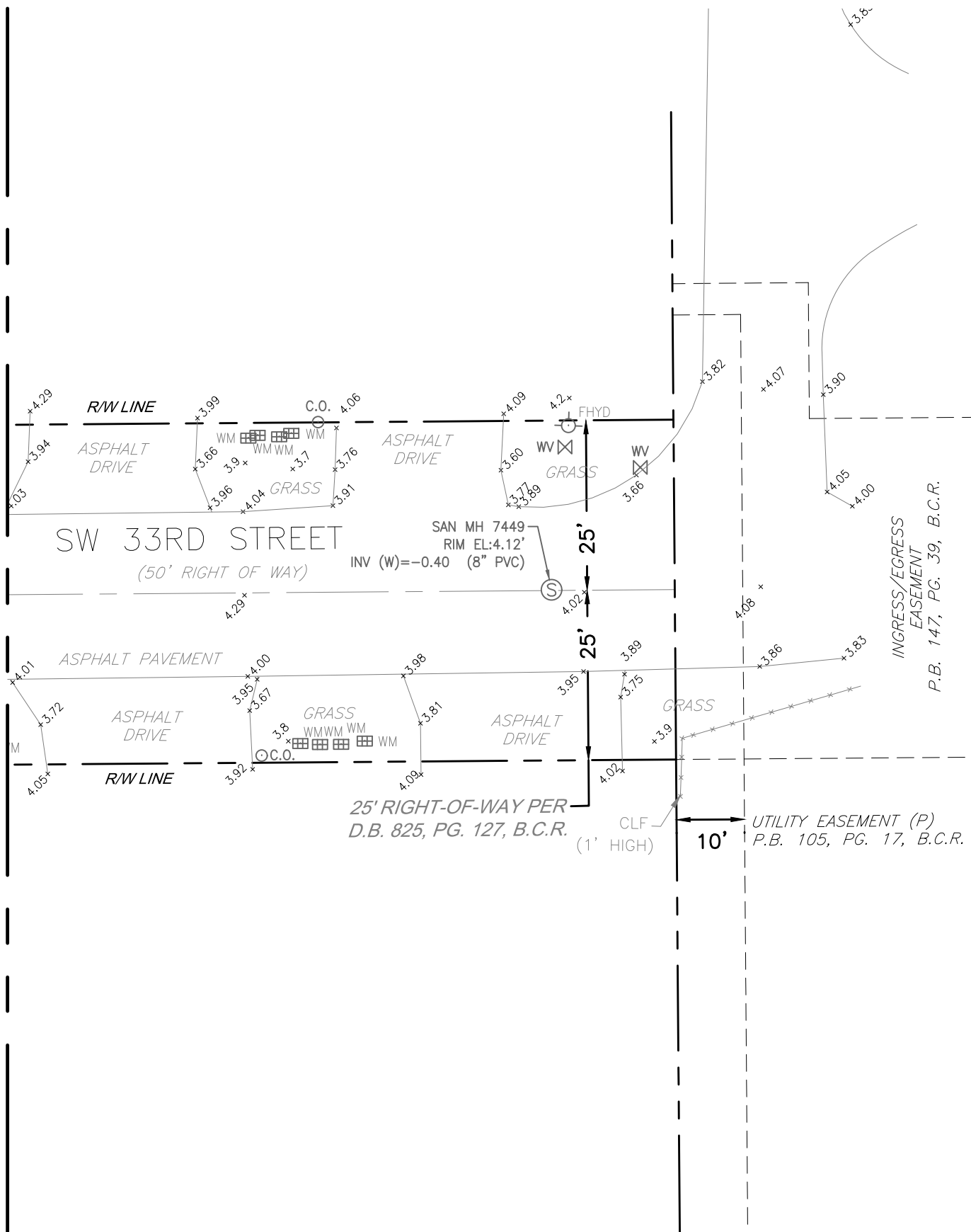
MATCHLINE - SEE SHEET 3C-08

MATCHLINE - SEE BOTTOM LEFT



PLAN  
1"=20'-0"

MATCHLINE - SEE TOP RIGHT

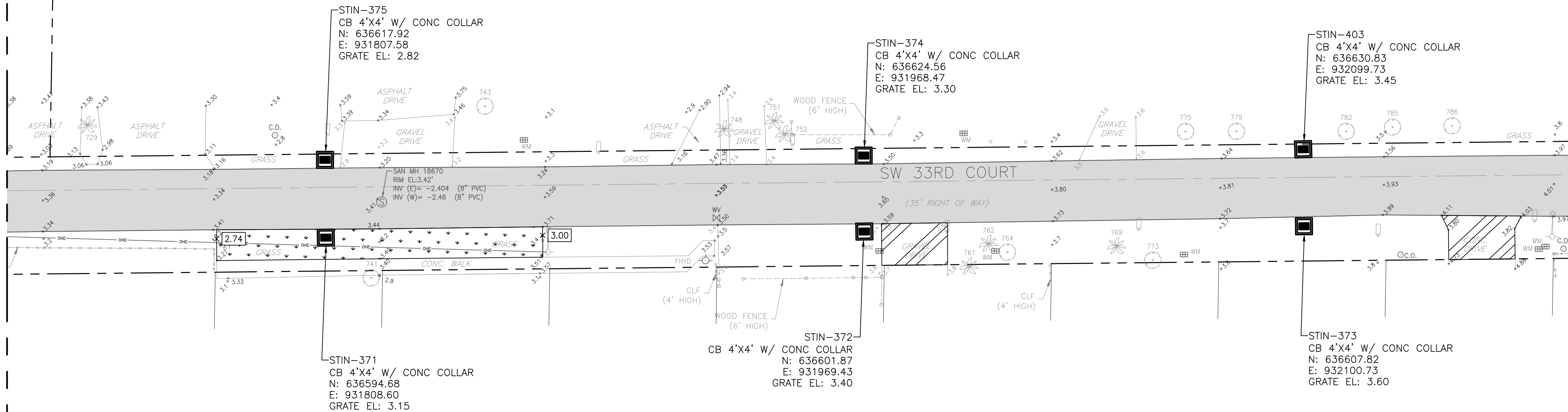


PLAN  
1"=20'-0"



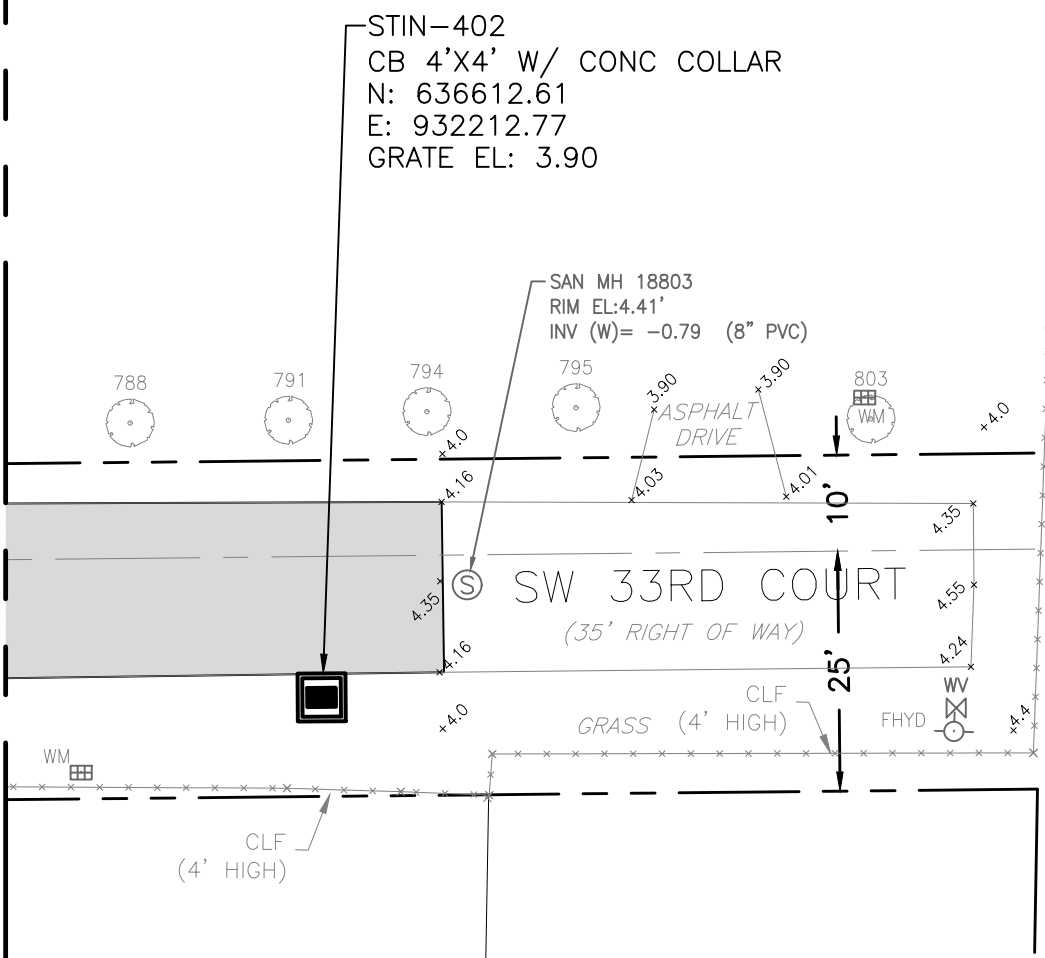
MATCHLINE - SEE SHEET 1C-08

MATCHLINE - SEE BOTTOM LEFT



PLAN  
1"=20'-0"

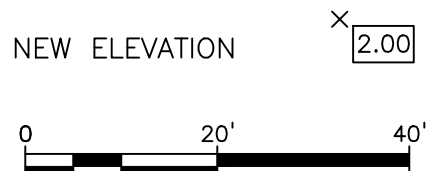
MATCHLINE - SEE TOP RIGHT



PLAN  
1"=20'-0"

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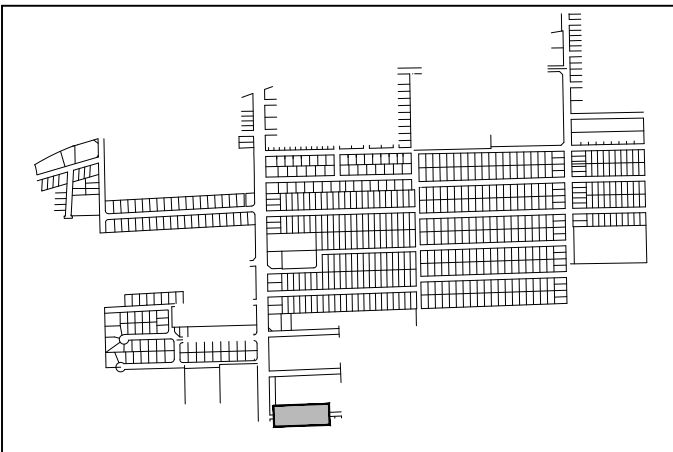


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BID SET

# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)



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ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: AA  
DATE: APRIL 2021  
DESIGNED BY: TAV  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHKD	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN  
WEST - SHEET 34

SHEET NO.  
**3C-35**  
TOTAL: 224  
CAD FILE: 11842-3C35  
DRAWING FILE NO. 4-142-65



**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: APRIL 2021

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: DATE: APRIL 2021

DESIGNED BY: SCALE: AS NOTED

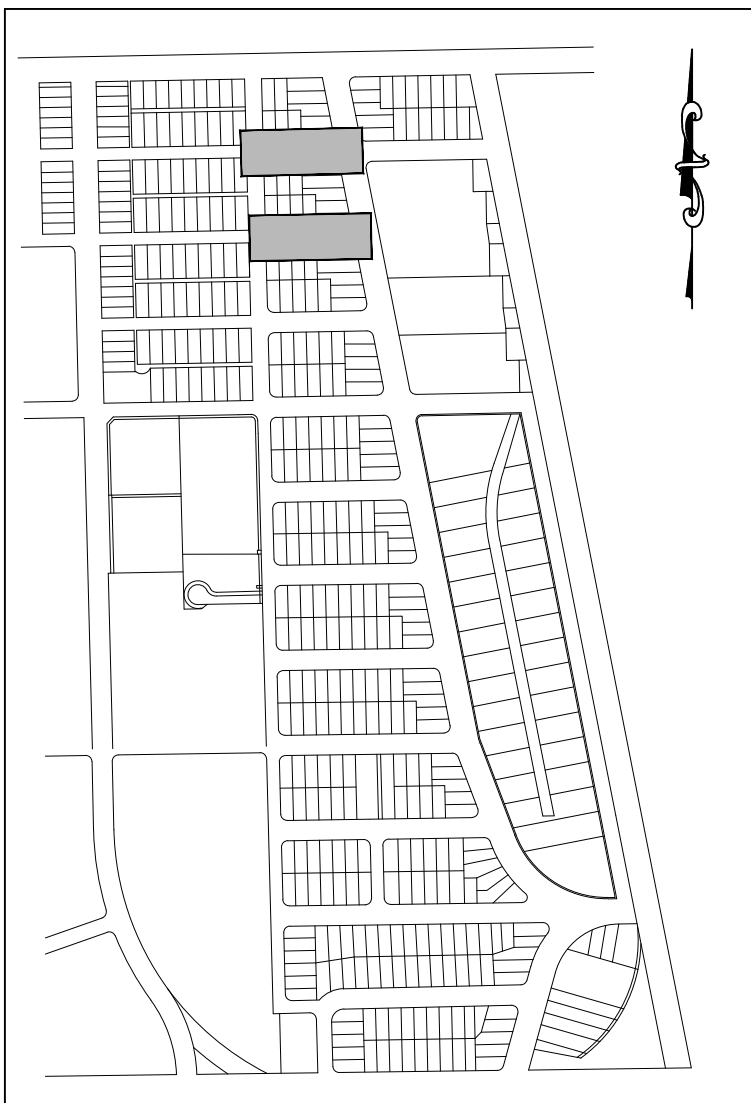
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FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301



KEY MAP  
NTS

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PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
SHEET 1

SHEET NO.

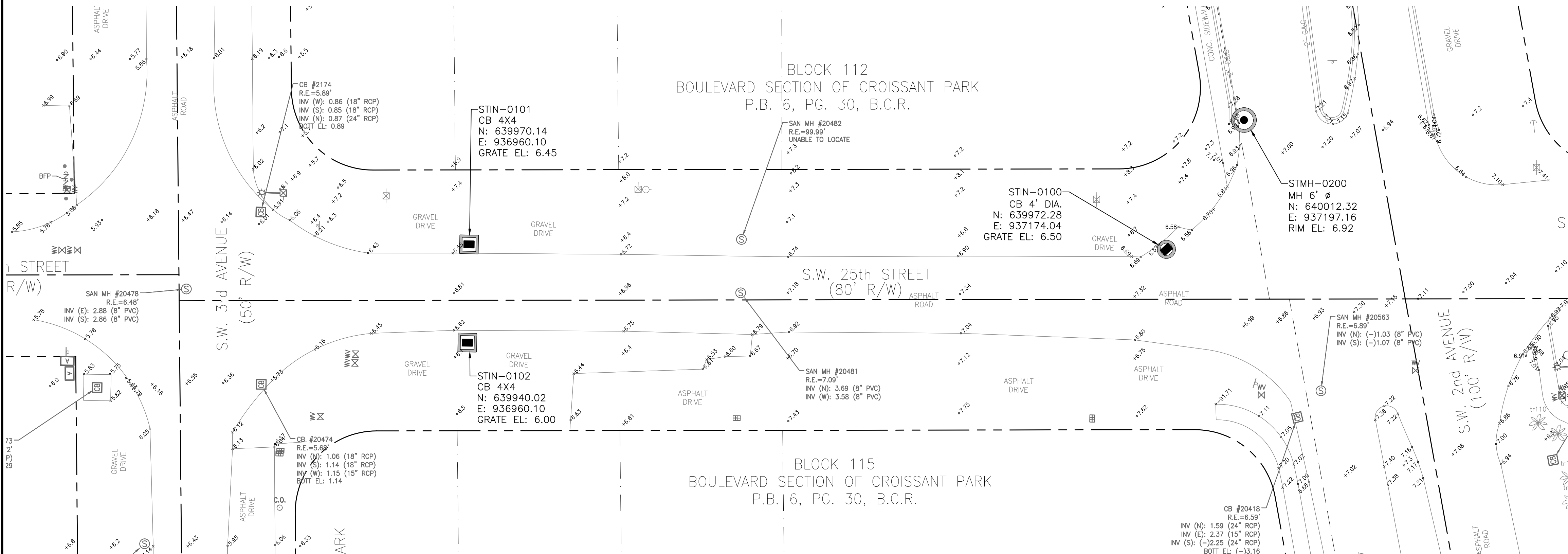
3C-36

TOTAL: 224

CAD FILE: 11842-3C36

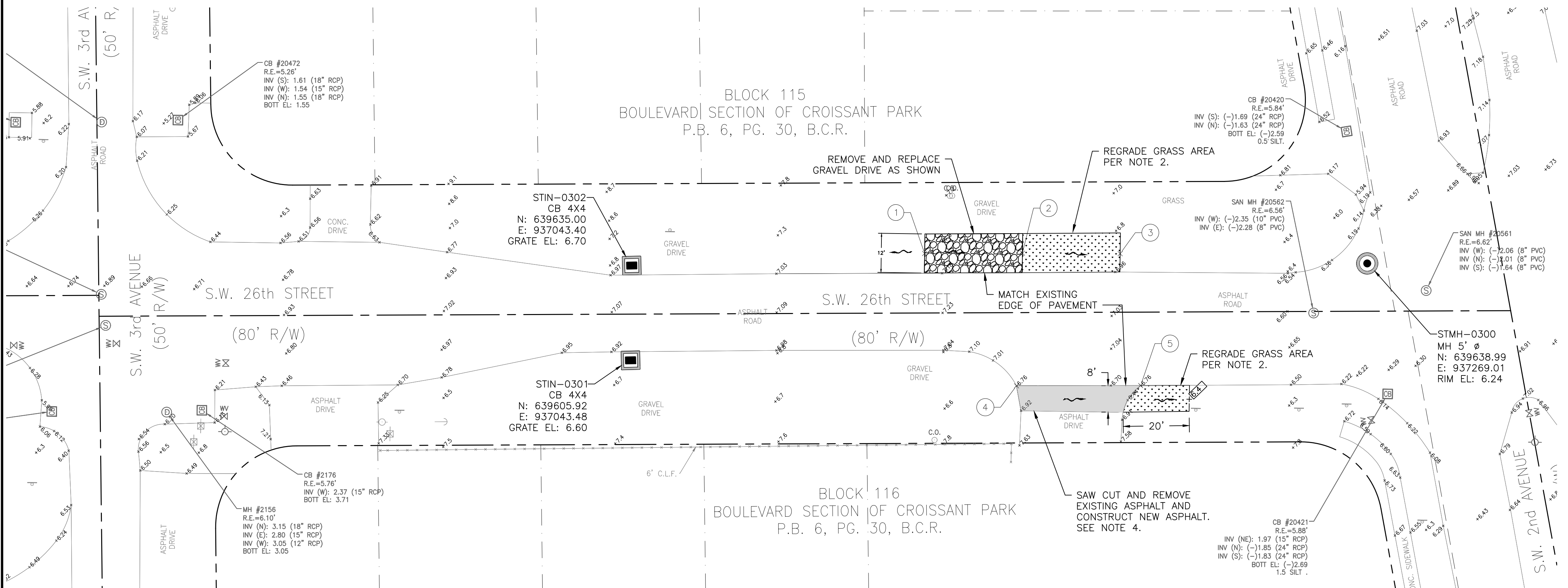
DRAWING FILE NO.  
4-142-65

BID SET



PLAN

1"=20'-0"



PLAN

1"=20'-0"

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
1	639640.03	937133.19	7.20
2	639640.59	937163.19	6.90
3	639640.86	937193.17	6.70
4	639599.84	937161.98	6.76
5	639600.49	937200.04	6.60

LEGEND:

- GRASS AREA
- MILL AND RESURFACE
- GRAVEL
- FLOW DIRECTION
- NEW ELEVATION

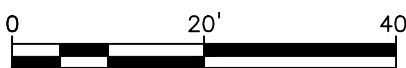


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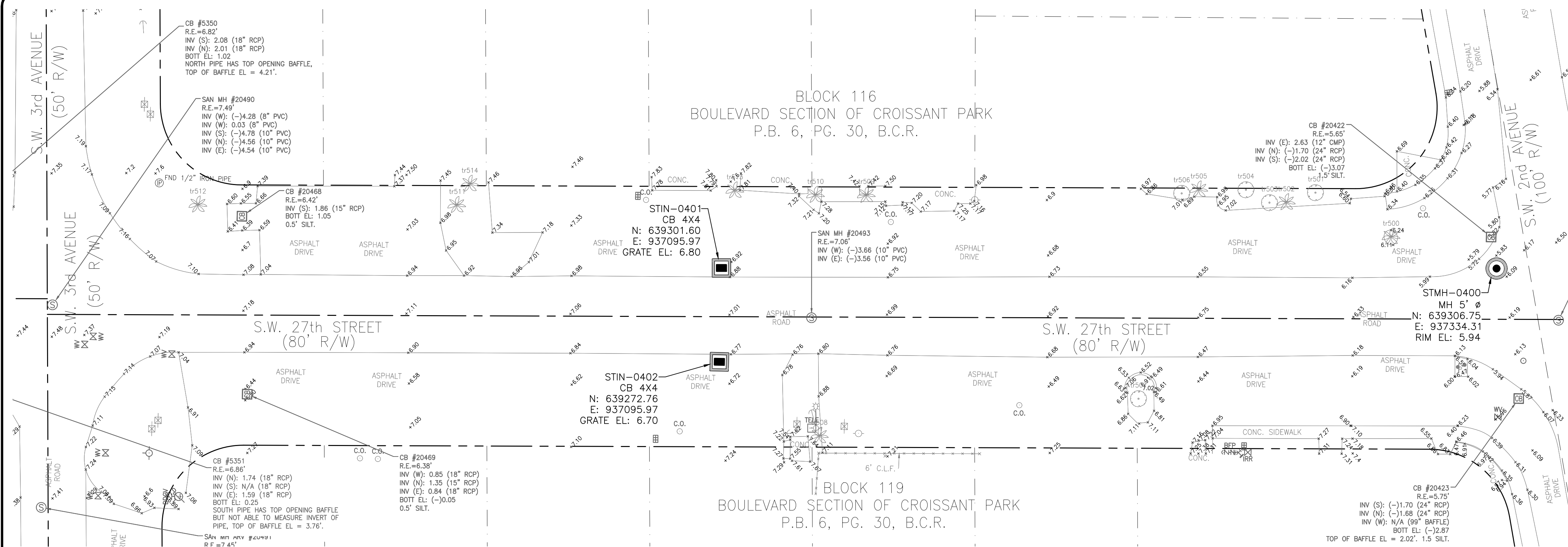
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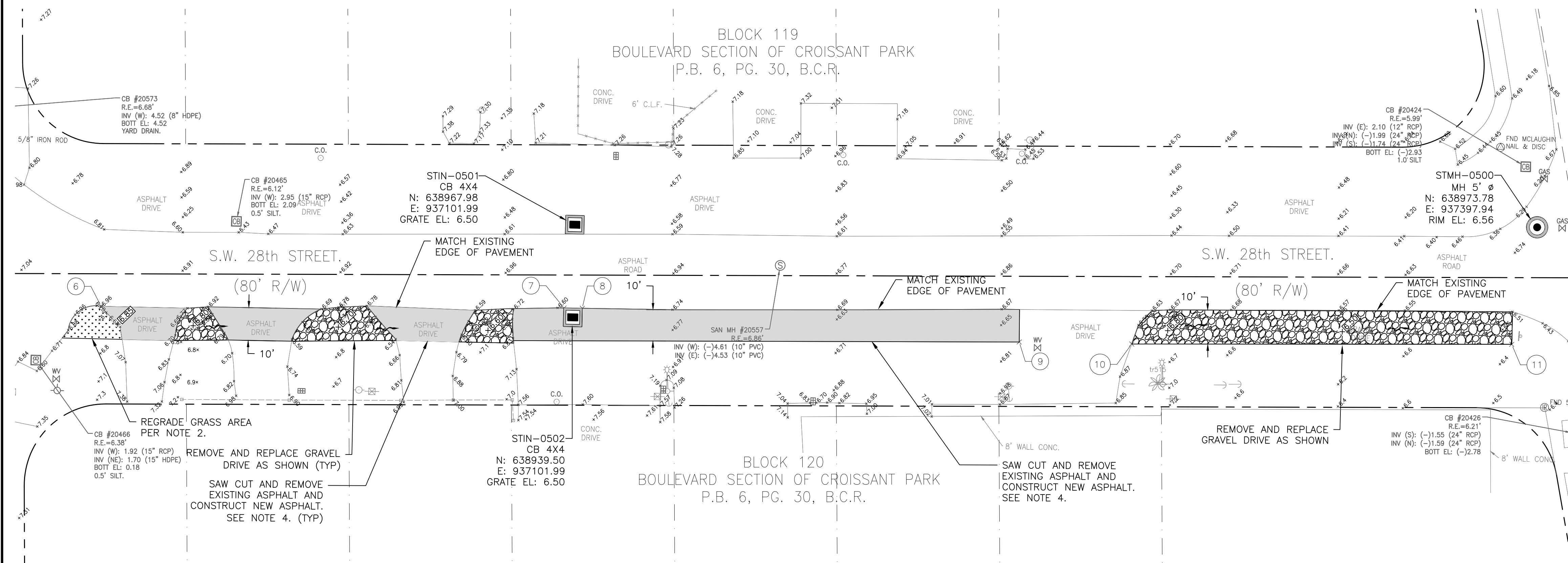
ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)







PLAN  
1"=20'-0"



PLAN  
1"=20'-0"

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
6	638939.63	936956.91	6.96
7	638942.30	937099.24	6.60
8	638942.34	937104.83	6.60
9	638934.99	937239.45	6.81
10	638935.15	937274.05	6.87
11	638937.65	937390.91	6.30

## LEGEND:

GRASS AREA	
MILL AND RESURFACE	
GRAVEL	
FLOW DIRECTION	
NEW ELEVATION	

# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33001



KEY MAP  
NTS

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ENGINEER:  
ROBERT B. TAYLOR JR.  
REG. NO. 44165  
DATE: APRIL 2021

DRAWN BY: CEW  
DATE: APRIL 2021  
DESIGNED BY: SCALE: AS NOTED  
CHECKED BY: LZM  
LMS  
FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS

NO.	DATE	BY	CHD	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
SHEET 2

SHEET NO.

3C-37

TOTAL: 224

CAD FILE: 11842-3C37

DRAWING FILE NO. 4-142-65

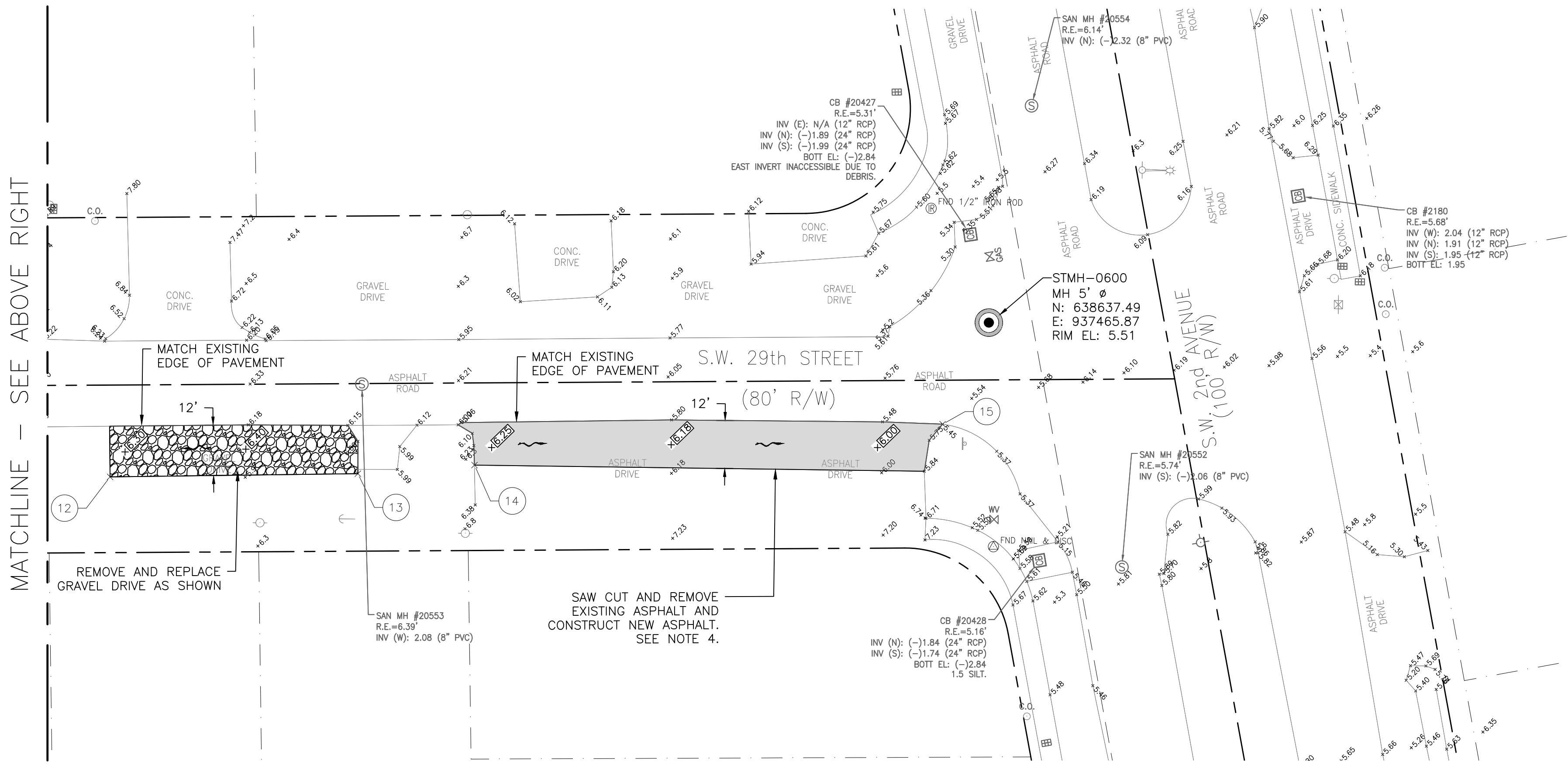
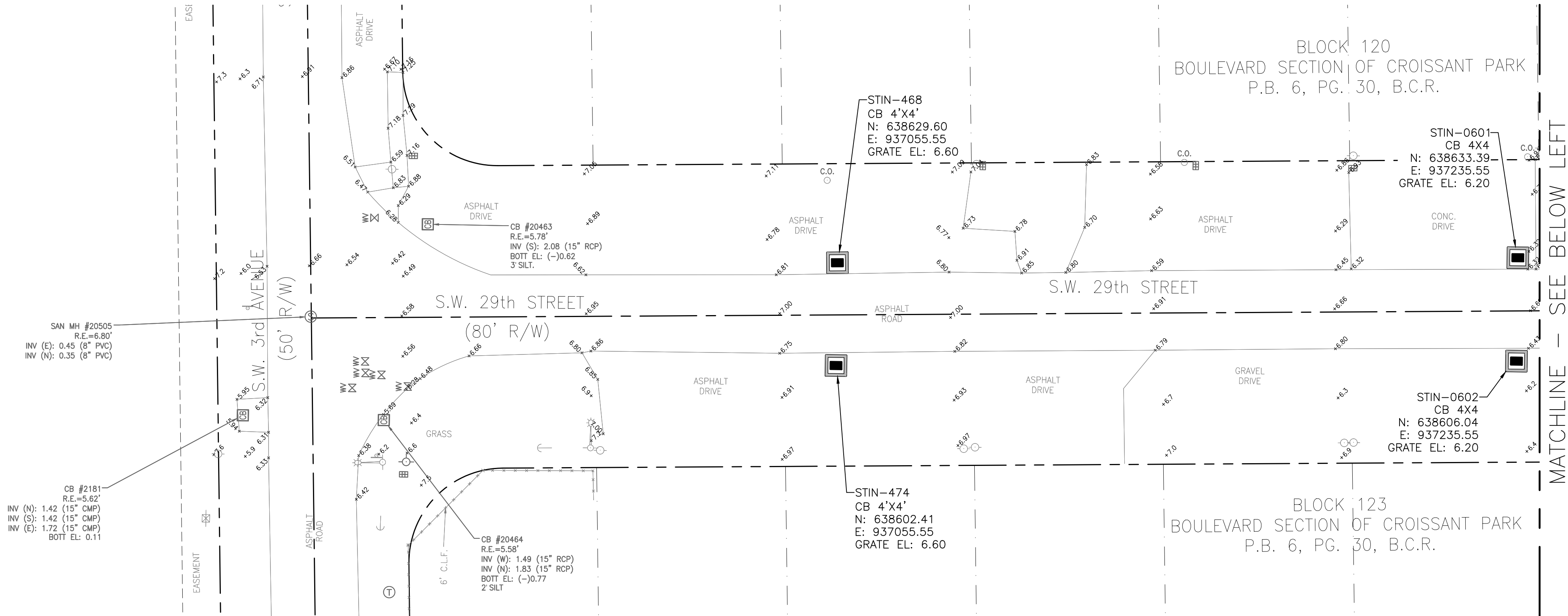


ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

0 20' 40'

BID SET





STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
12	638597.81	937256.76	6.40
13	638599.38	937315.86	6.50
14	638601.82	937343.64	6.80
15	638613.10	937455.16	5.75

LEGEND:

GRASS AREA

MILL AND RESURFACE

GRAVEL

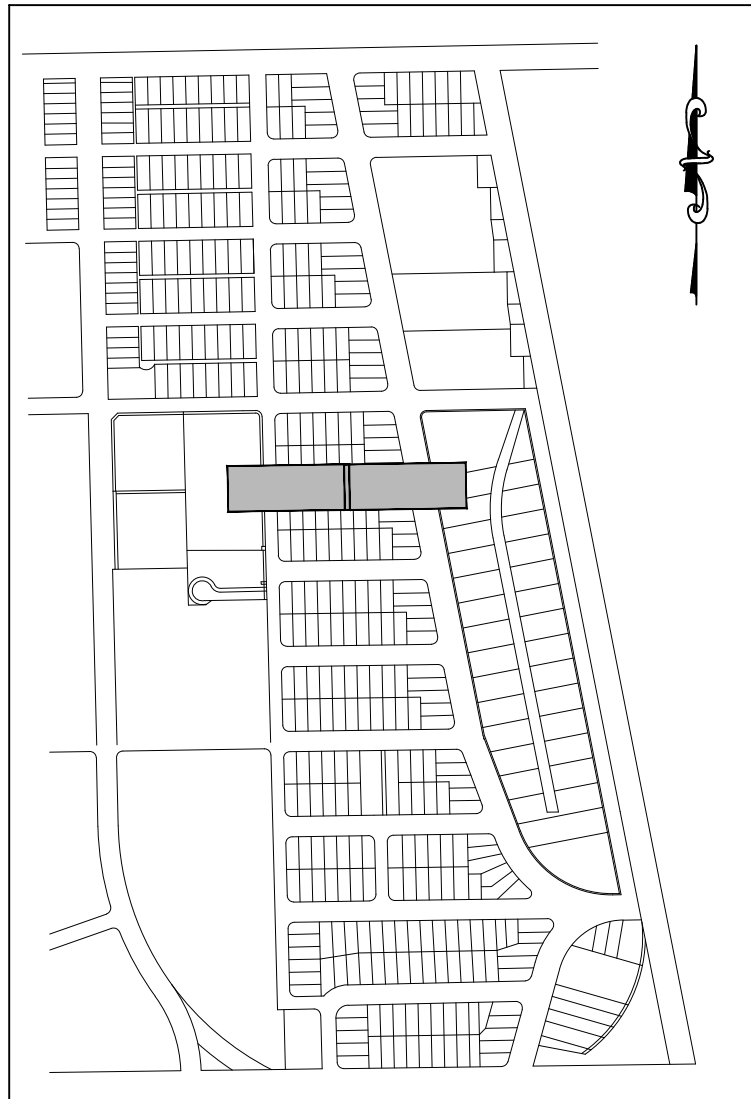
FLOW DIRECTION

NEW ELEVATION

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**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

ENGINEER:  
ROBERT B. TAYLOR JR.  
REG. NO. 44165  
DATE: APRIL 2021

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: CEW  
DATE: APRIL 2021

DESIGNED BY: LJM  
SCALE: AS NOTED

CHECKED BY: LMS

FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHD

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
- SHEET 3

SHEET NO.  
**3C-38**

TOTAL: 224

CAD FILE: 11842-3C38

DRAWING FILE NO. 4-142-65

BID SET

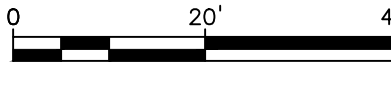
**811**

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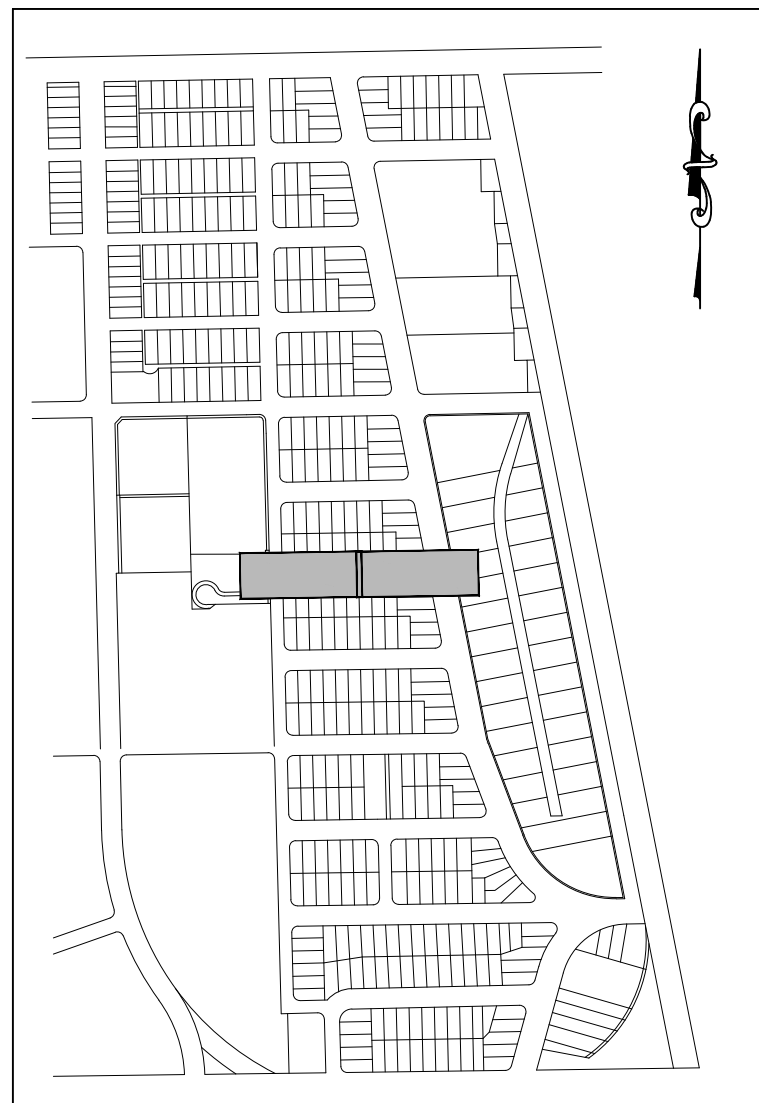
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ELEVATIONS SHOWN HEREON ARE  
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VERTICAL DATUM 1988 (NAVD 1988)







**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD, SUITE 750  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: APRIL 2021

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: CEW	DATE: APRIL 2021
DESIGNED BY:	SCALE:

FIELD BOOK: N.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

[illegible]

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
- SHEET 4

SHEET NO.

3C-39

TOTAL:	224
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CAD FILE:  
11842-3C39

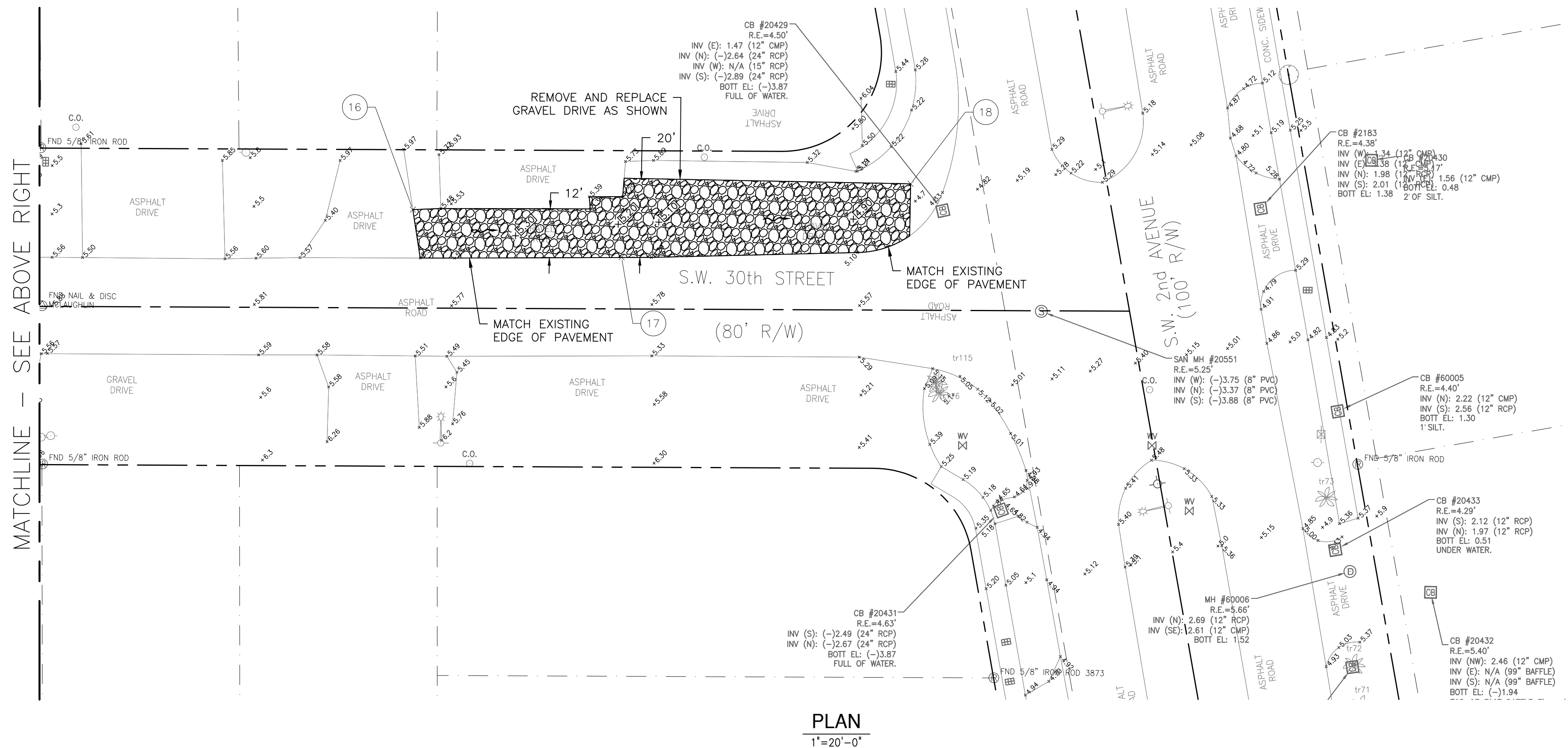
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DRAWING FILE NO.  
4-142-65

# BID SET

NOTES: KEY MAP  
NTS

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LEGEND:

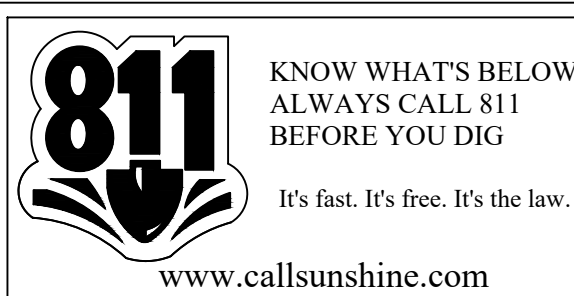
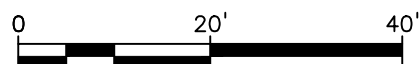
GRASS AREA

## MILL AND RESURFACE

FLOW DIRECTION

NEW ELEVATION

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
16	638317.53	937393.55	5.35
17	638306.53	937446.56	5.25
18	638326.50	937519.30	4.80



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VERTICAL DATUM 1988 (NAVD 1988)




**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

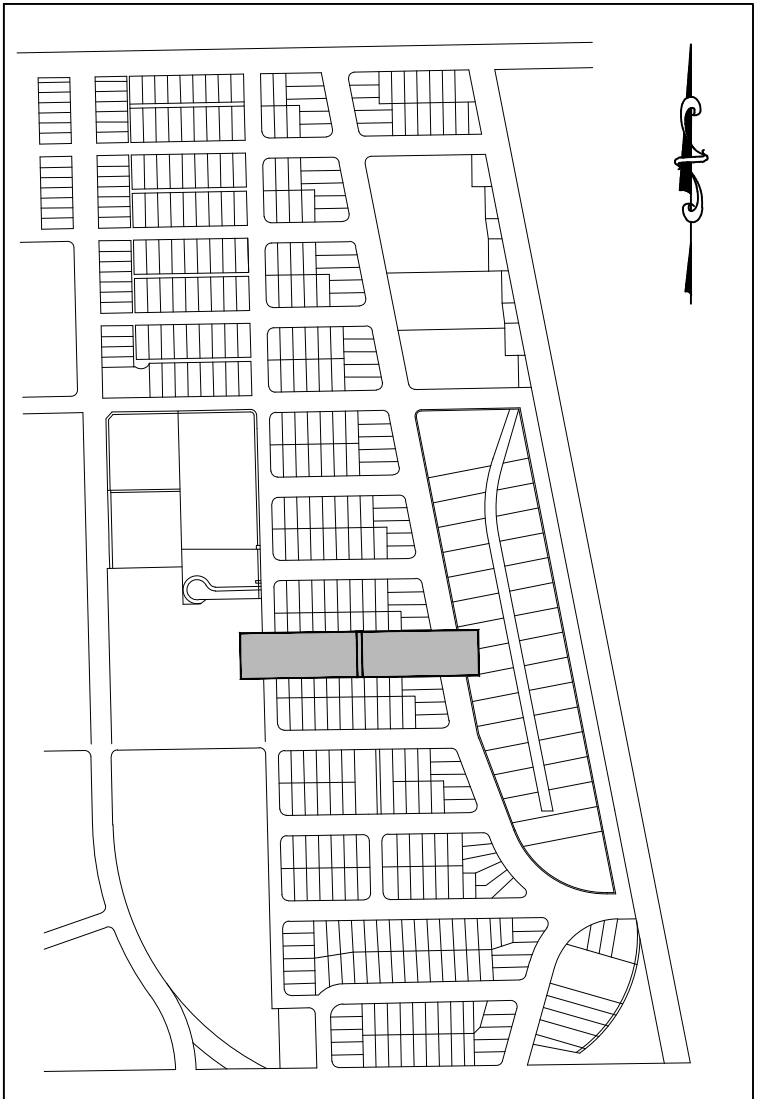
ENGINEER:  
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DATE: APRIL 2021  
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SCALE: AS NOTED  
CHECKED BY: LMS  
FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301



KEY MAP

NTS

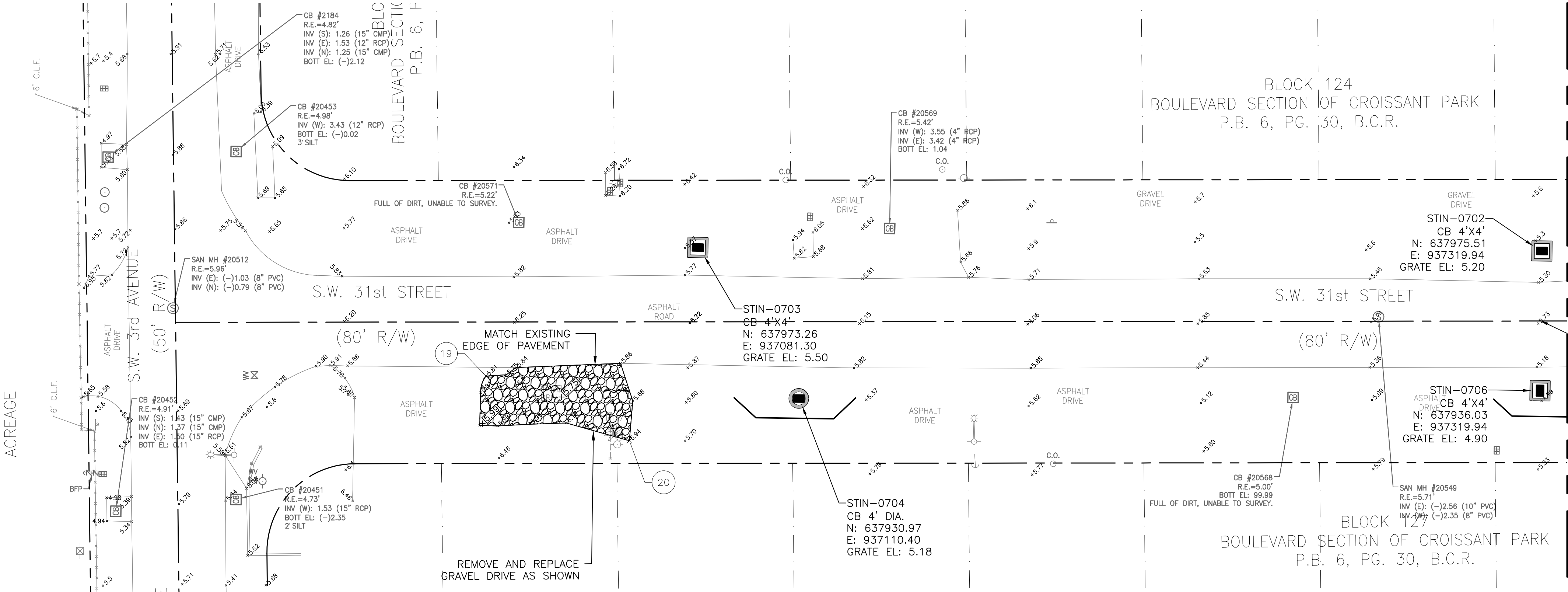
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BID SET

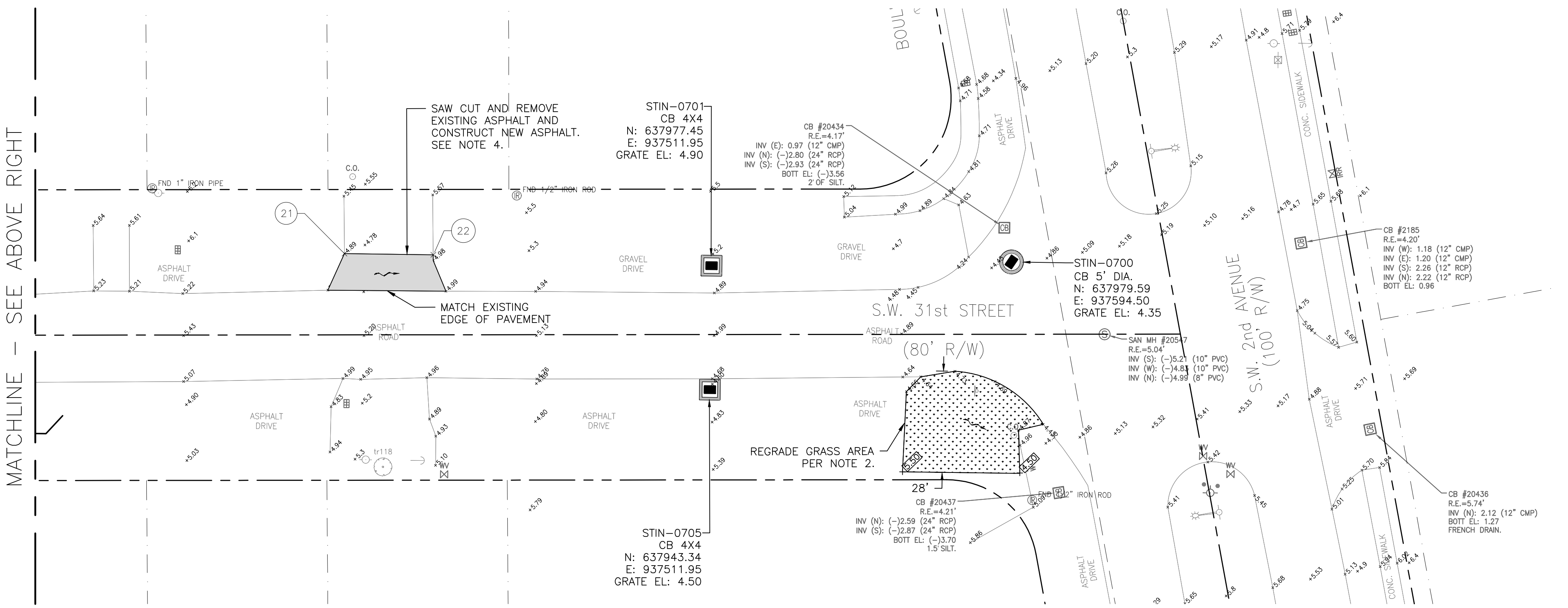
PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
- SHEET 5

SHEET NO.  
**3C-40**  
TOTAL: 224  
CAD FILE: 11842-3C40  
DRAWING FILE NO. 4-142-65



PLAN

1"=20'-0"



PLAN

1"=20'-0"

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
16	638317.53	937393.55	5.35
17	638306.53	937446.56	5.25
18	638326.50	937519.30	4.80

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
19	637936.09	937021.92	5.81
20	637918.40	937062.68	5.90
21	637979.40	937410.83	5.10
22	637979.40	937435.30	5.00

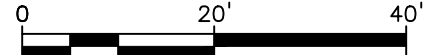
LEGEND:

- GRASS AREA
- MILL AND RESURFACE
- GRAVEL
- FLOW DIRECTION
- NEW ELEVATION



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ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)





**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No. 44165  
DATE: APRIL 2021

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: CEW  
DATE: APRIL 2021  
DESIGNED BY: SCALE: AS NOTED  
CHECKED BY: LZM  
LMS

FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS

NO.	DATE	BY	CHD	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
- SHEET 6

SHEET NO.

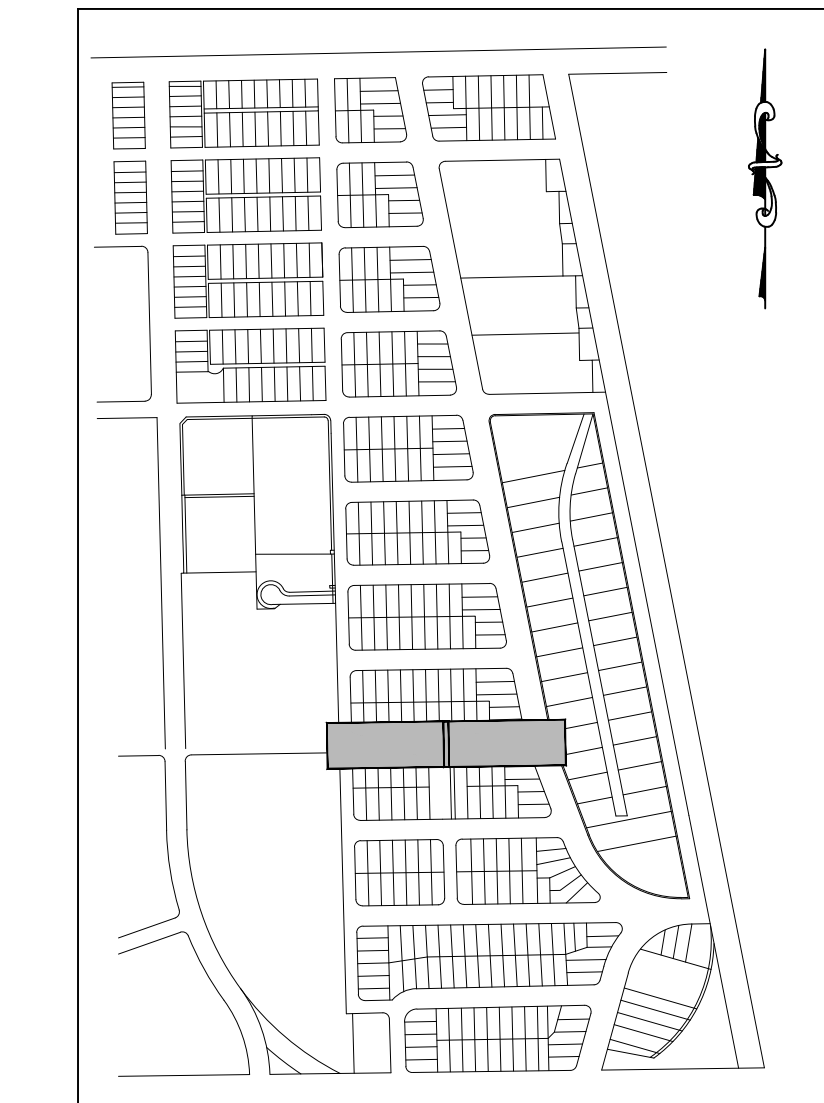
3C-41

TOTAL: 224

CAD FILE: 11842-3C41

DRAWING FILE NO.  
4-142-65

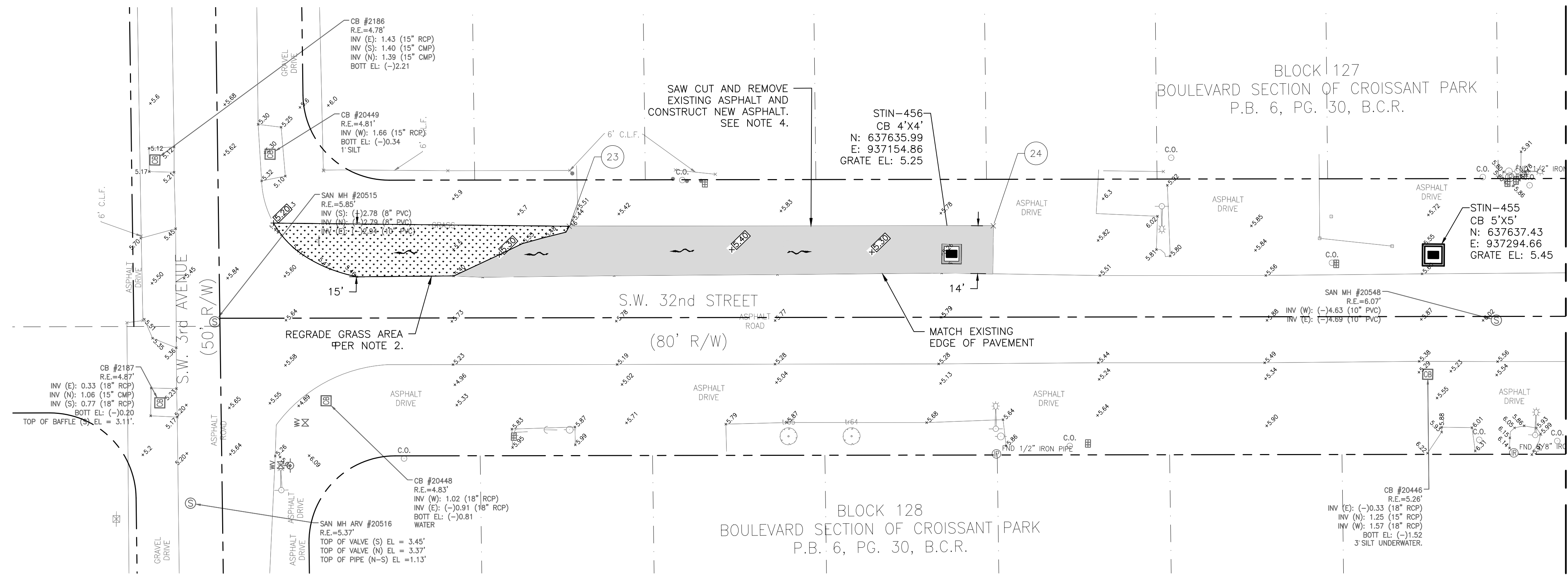
BID SET



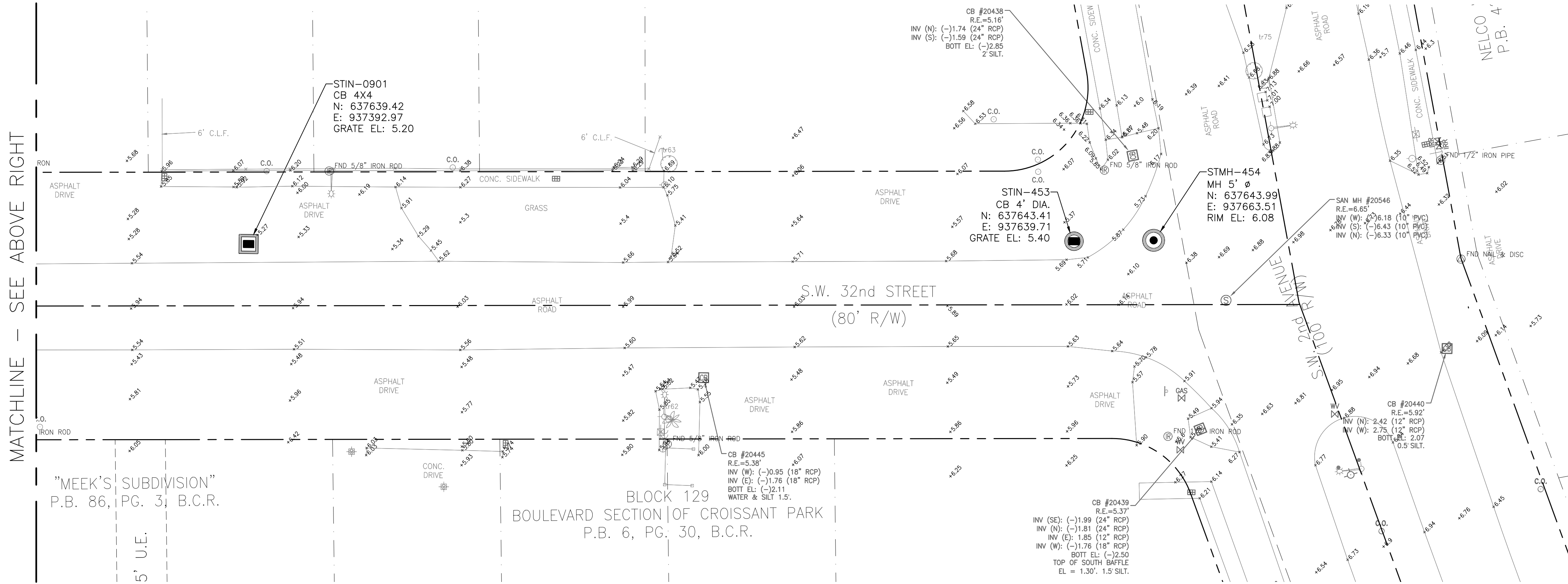
KEY MAP  
NTS

NOTES:

- CONTRACTOR SHALL REPAIR/REPLACE AFFECTED GROUND COVER/SURFACES INCLUDING BUT NOT LIMITED TO PAVERS, SIDEWALK, DRIVEWAYS, SOD, LANDSCAPE AND BRING IT TO EXISTING OR BETTER CONDITIONS, OR TO CONDITIONS SPECIFICALLY NOTED ON DRAWINGS.
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PLAN  
1"=20'-0"

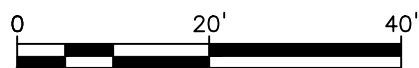


PLAN  
1"=20'-0"

LEGEND:

- GRASS AREA
- MILL AND RESURFACE
- GRAVEL
- FLOW DIRECTION
- NEW ELEVATION

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
23	637642.59	937043.80	5.44
24	637644.26	937166.85	5.75



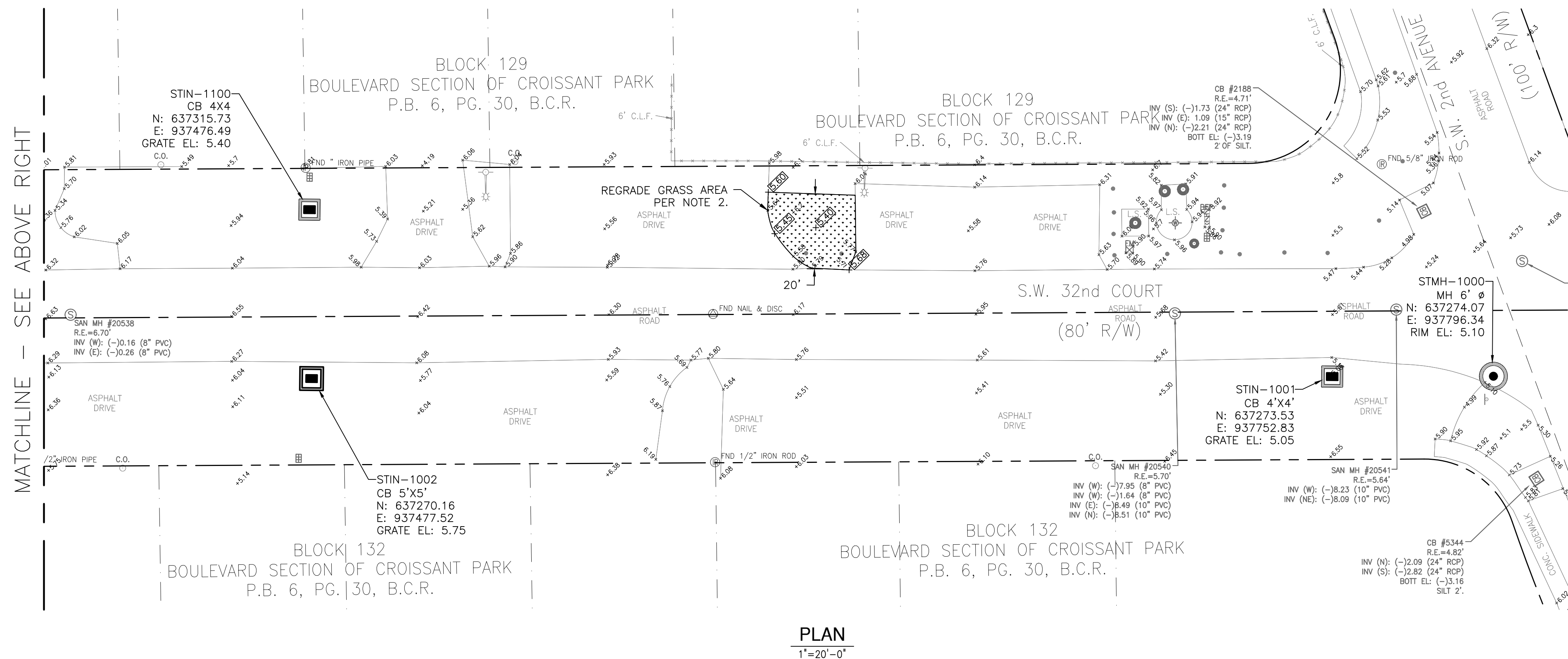
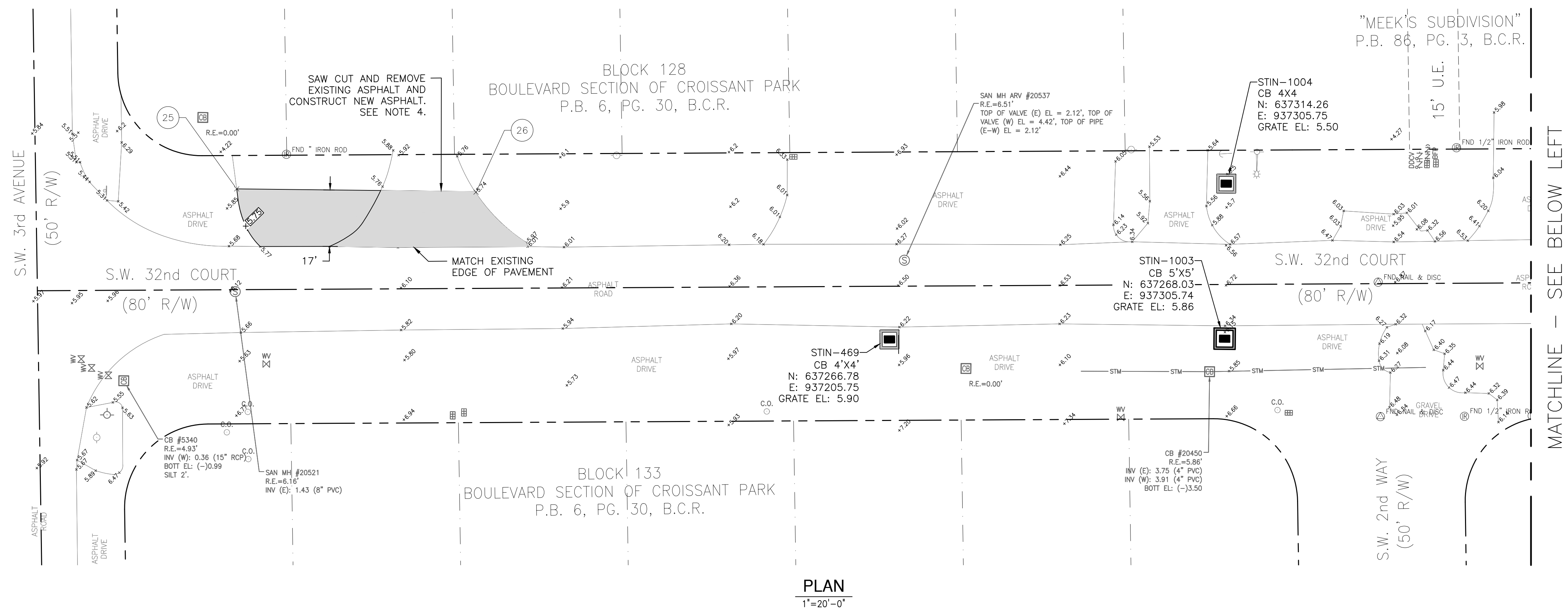
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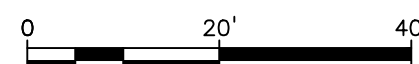




## LEGEND:

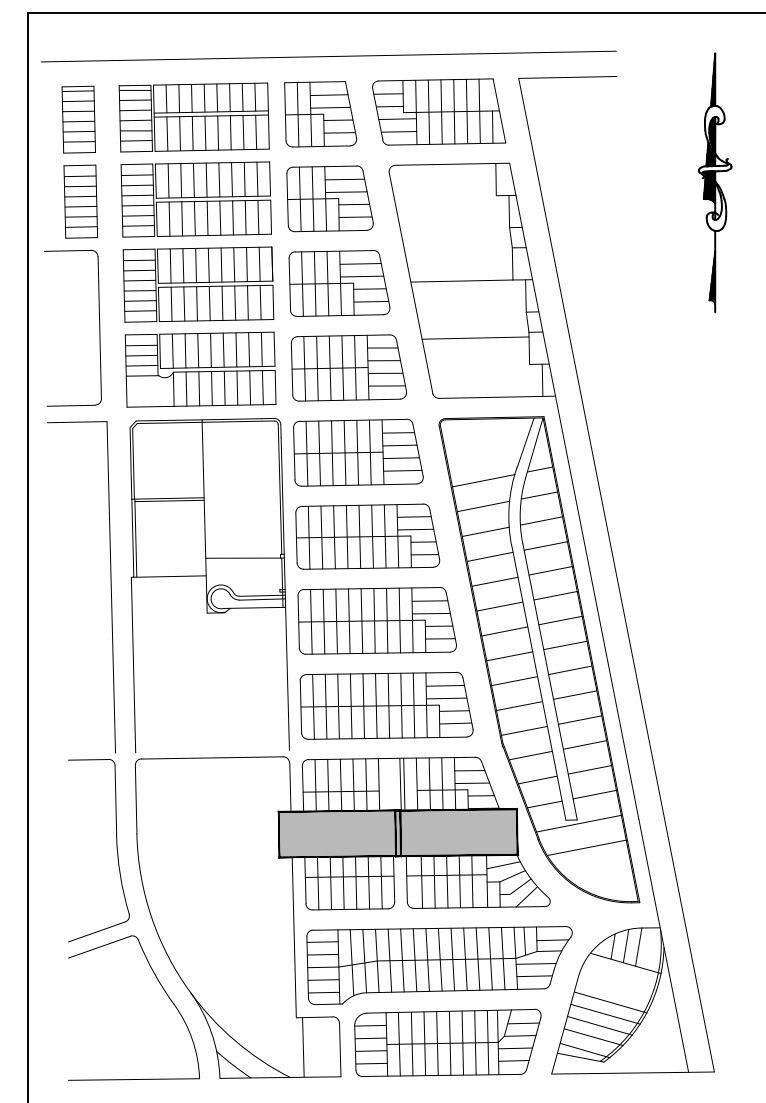
GRASS AREA	
MILL AND RESURFACE	
GRAVEL	
FLOW DIRECTION	
NEW ELEVATION	

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
25	637309.66	937010.56	5.70
26	637309.44	937081.97	5.74



# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

## NOTES:

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- REFER TO SHEET GC-17 FOR DETAIL WITH CROSS SECTION AND REGRADING OF SWALES. TYPICAL

ENGINEER:  
ROBERT B. TAYLOR JR.  
REG. NO. 44165  
DATE: APRIL 2021

DRAWN BY: CEW  
DATE: APRIL 2021  
DESIGNED BY: LZM  
CHECKED BY: LMS

FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

## REVISIONS

NO.	DATE	BY	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
SHEET 7

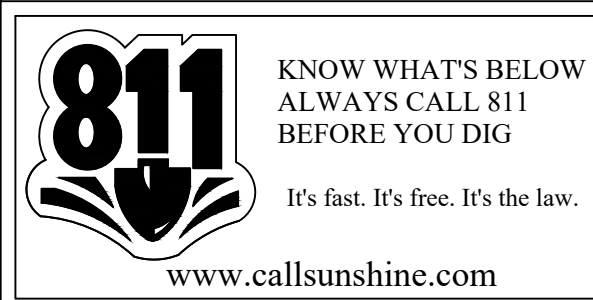
SHEET NO.

3C-42

TOTAL: 224

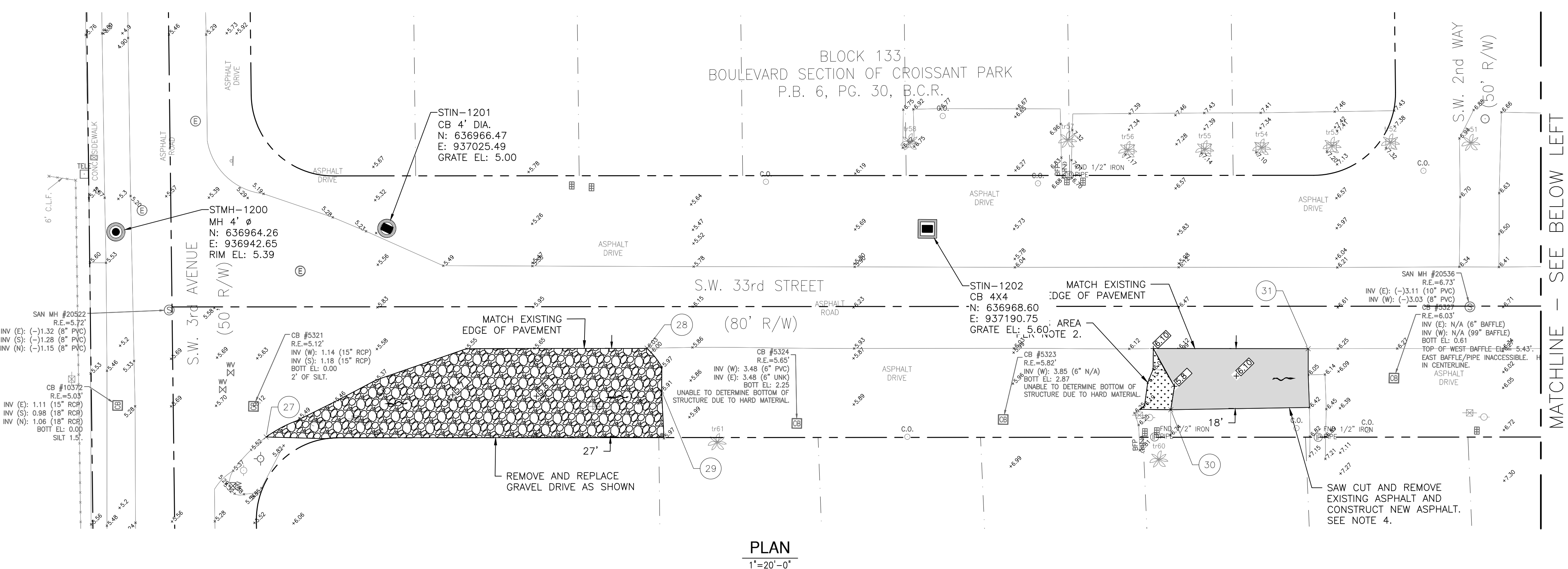
CAD FILE: 11842-3C42

DRAWING FILE NO. 4-142-65

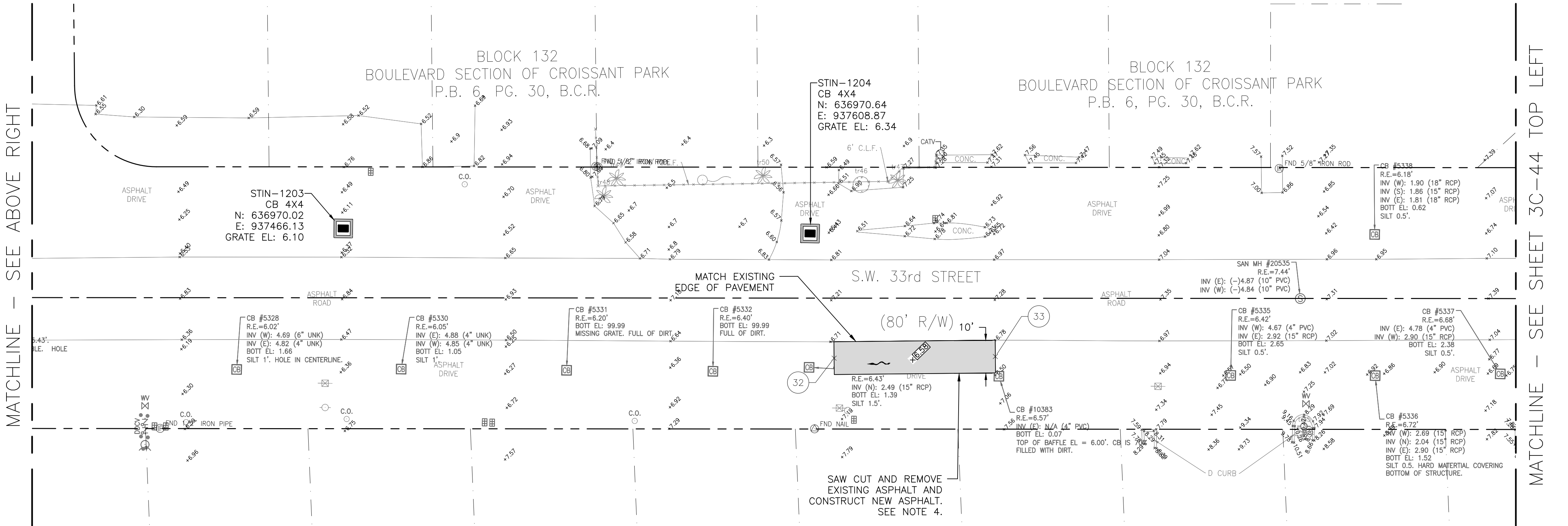


ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)





PLAN  
1"=20'-0"



PLAN  
1"=20'-0"

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
27	636902.24	936989.45	5.60
28	636930.97	937105.54	6.03
29	636917.96	937110.17	5.91
30	636914.38	937265.92	6.35
31	636933.60	937307.68	6.20
32	636932.65	937616.79	6.53
33	636933.88	937666.08	6.63

LEGEND:

GRASS AREA

MILL AND RESURFACE

GRAVEL

FLOW DIRECTION

NEW ELEVATION

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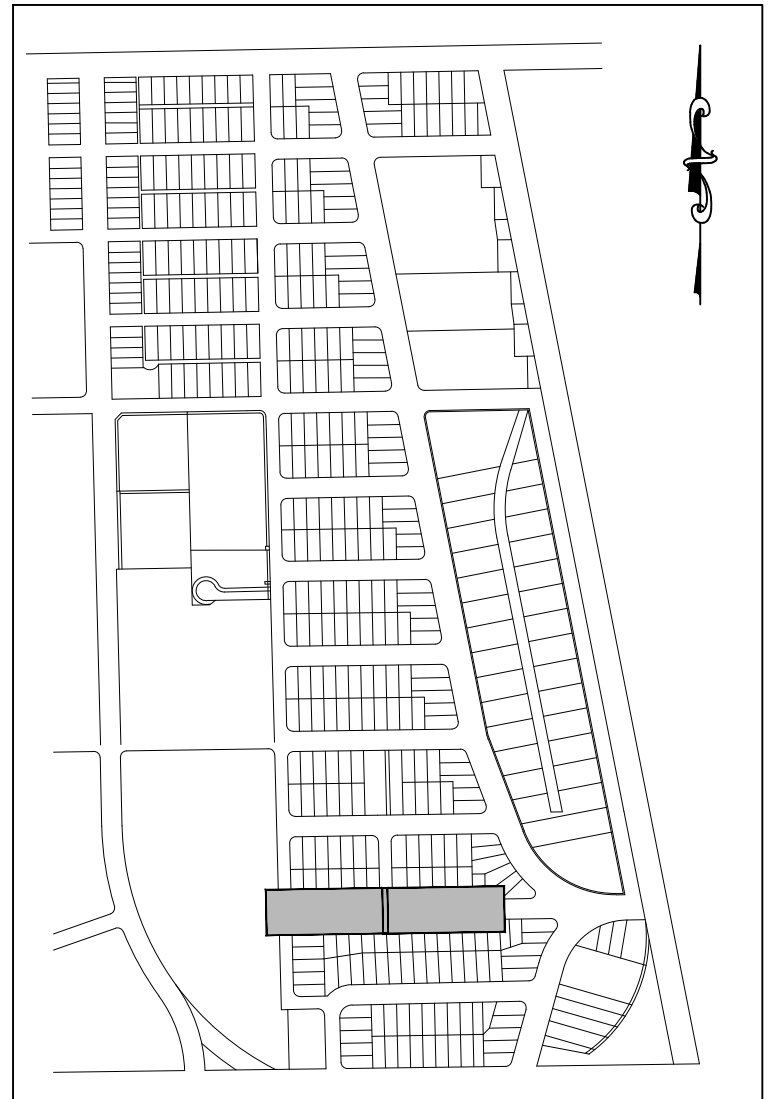
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**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. NO. 44165  
DATE: APRIL 2021

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: CEW  
DATE: APRIL 2021

DESIGNED BY: SCALE: AS NOTED

CHECKED BY: LMS

FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHD

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
SHEET 8

SHEET NO.  
**3C-43**

TOTAL: 224

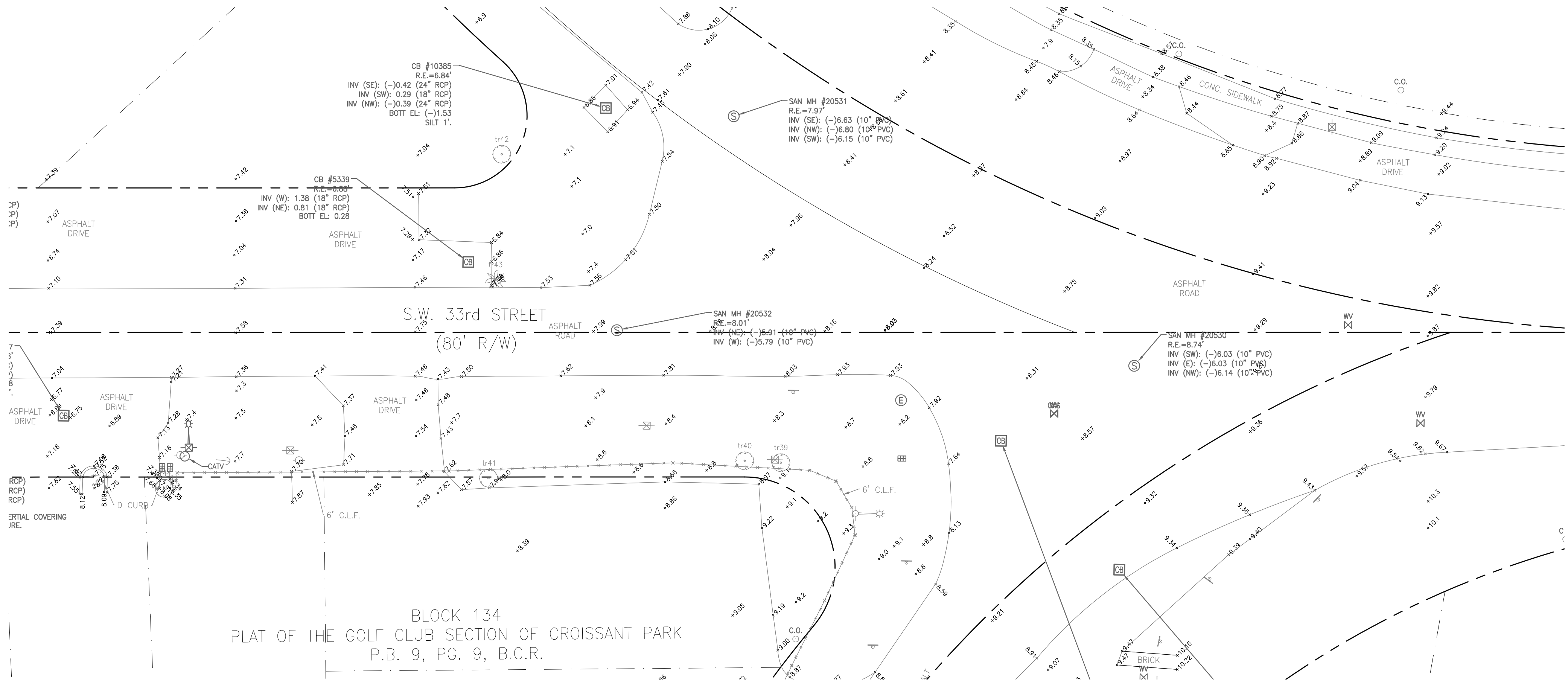
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11842-3C43

DRAWING FILE NO.  
4-142-65

BID SET



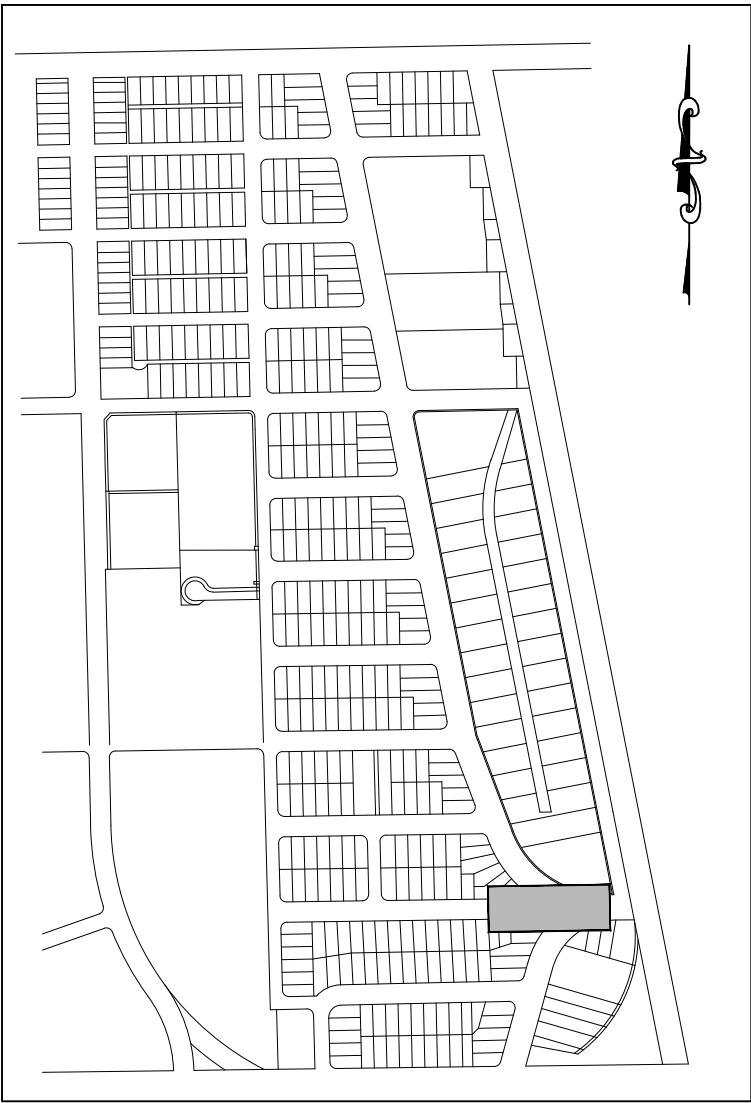
MATCHLINE — SEE SHEET 3C-43 BOTTOM LEFT



PLAN  
1"=20'-0"



**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



KEY MAP  
NTS

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FIELD BOOK: N/A

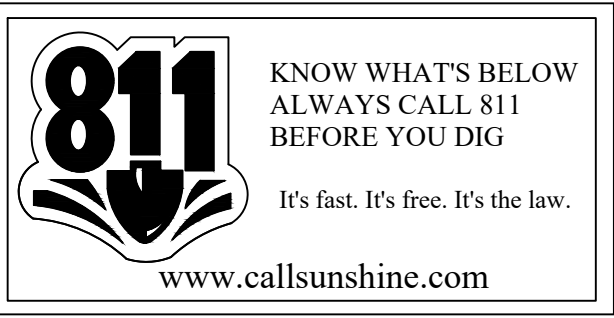
CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
SHEET 9

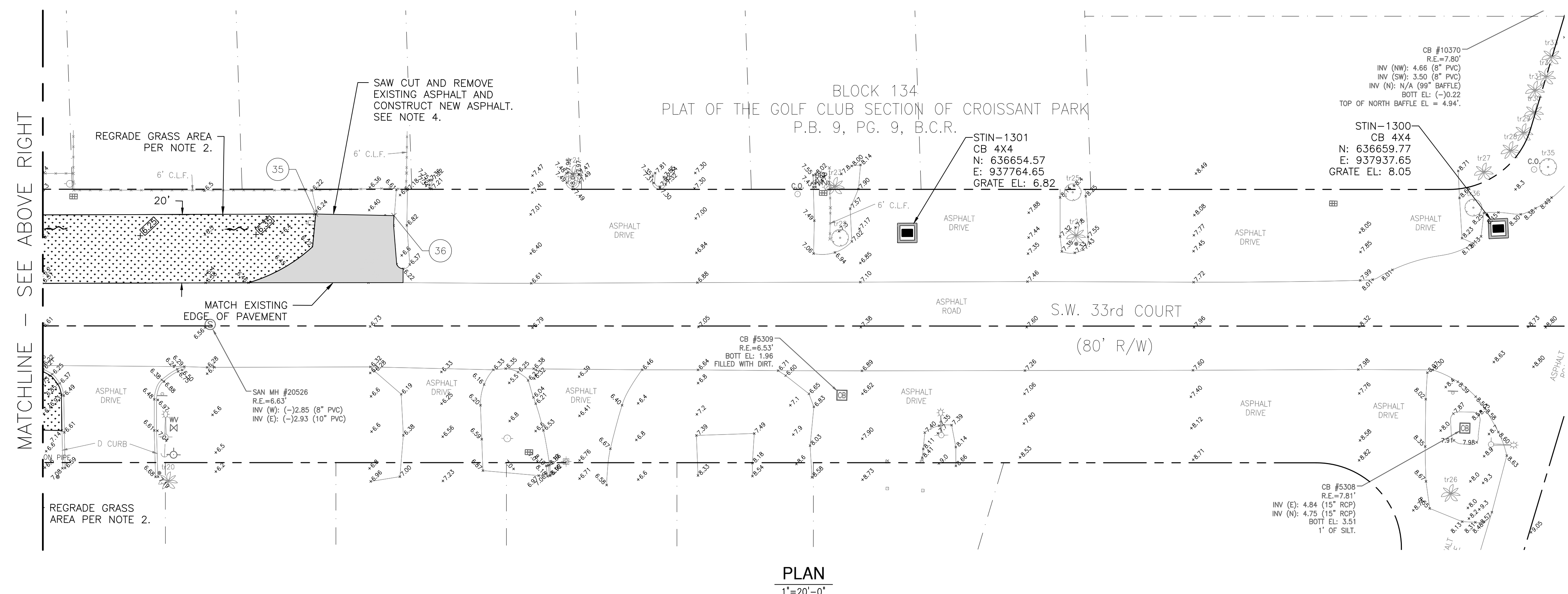
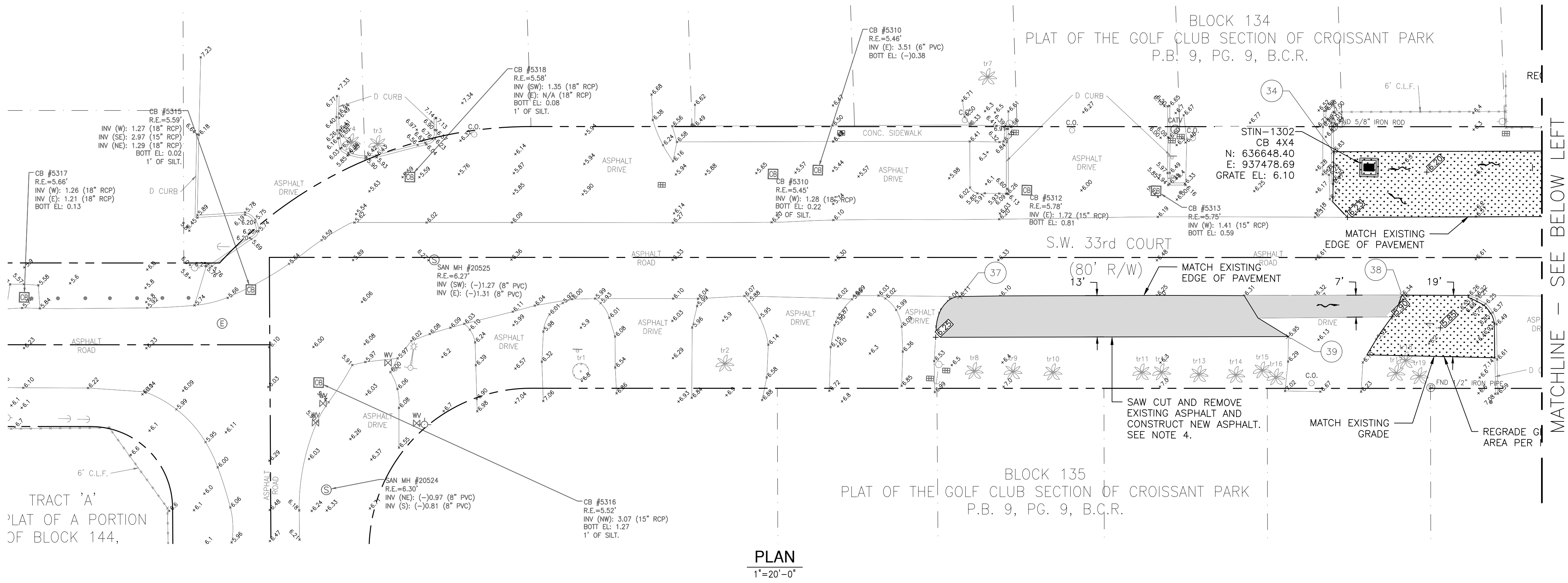
SHEET NO.  
**3C-44**  
TOTAL: 224  
CAD FILE: 11842-3C44  
DRAWING FILE NO. 4-142-65

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VERTICAL DATUM 1988 (NAVD 1988)

STAKING TABLE			
POINT #	NORTHING	EASTING	ELEVATION
34	636652.97	937467.68	6.83
35	636656.17	937591.33	6.42
36	636656.23	937614.24	6.52
37	636606.13	937354.55	6.11
38	636609.61	937489.70	6.34
39	636596.16	937455.23	6.00

LEGEND:

GRASS AREA

MILL AND RESURFACE

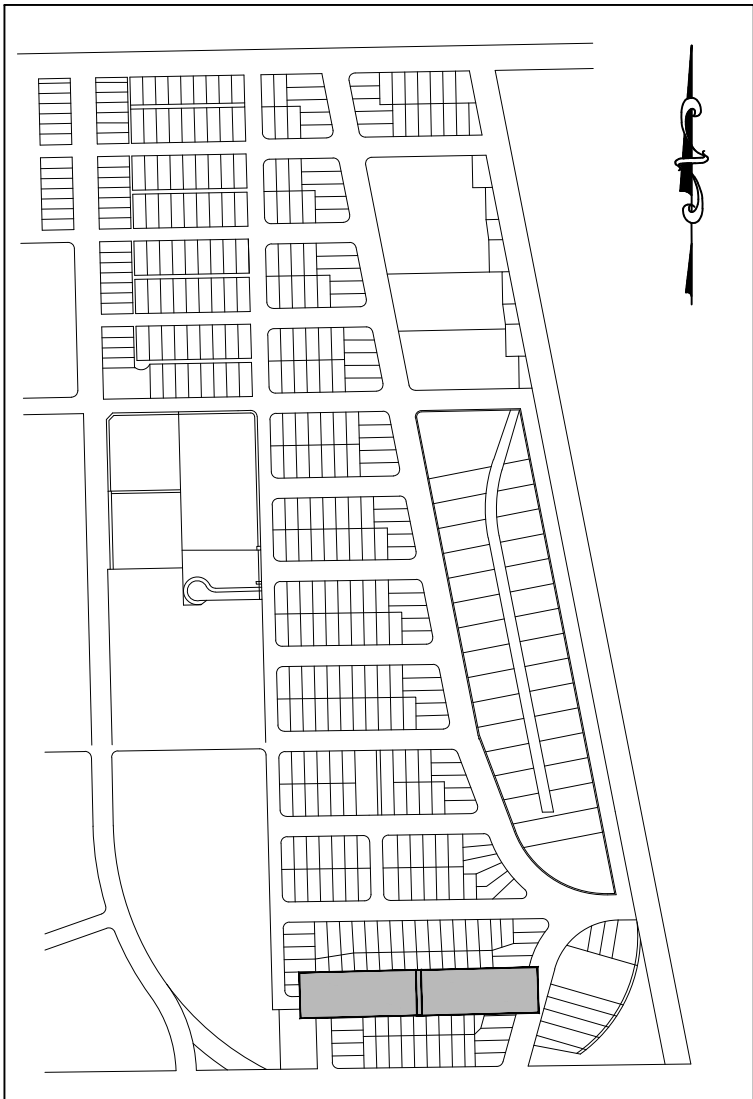
GRAVEL

FLOW DIRECTION

NEW ELEVATION

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BID SET



KEY MAP  
NTS



HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
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CHECKED BY: LMS  
FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHD

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING PLAN EAST  
SHEET 10

SHEET NO.  
**3C-45**

TOTAL: 224

CAD FILE:  
11842-3C45

DRAWING FILE NO.  
4-142-65



Hazen

HAZEN AND SAWYER

4000 HOLLYWOOD BLVD, SUITE 750N

HOLLYWOOD, FLORIDA 33021


ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 02/29/2023

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DRAWN BY:	DATE:	APRIL 2021
JSJ		
DESIGNED BY:	SCALE:	N/A
TAV		
CHECKED BY:		
RBT		
FIELD BOOK:		XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISITONS		DESCRIPTION	BY	DATE	CHK'D				
NO.	DATE								

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
SCHEDULE OF STRUCTURES -  
EDGEWOOD WEST SHEET 1

SHEET NO.  
4C-01

TOTAL: 224

CAD FILE:  
11842-4C01

DRAWING FILE NO.  
4-142-65

SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
CM-1	N:638854.95 E:931624.05	CONFLICT MH 6'X4'	5.26	USF 420 FRAME TYPE GL COVER	-5.00	15" RCP (IN) 36" RCP (OUT) 36" RCP (IN)	-0.90 (N) -4.50 (W) -4.50 (E)
CM-2	N:637524.71 E:930828.54	CONFLICT MH 4'X4'	3.26	USF 420 FRAME TYPE GL COVER	-2.10	18" RCP (OUT) 18" RCP (OUT)	-1.90 (S) -1.90 (N)
CM-3	N:637043.76 E:930872.65	CONFLICT MH 4'X4'	2.58	USF 420 FRAME TYPE GL COVER	-5.30	18" RCP (IN) 18" RCP (IN)	-3.80 (N) -1.85 (S)
CM-4	N:637278.05 E:930444.88	CONFLICT MH 4'X4'	2.02	USF 420 FRAME TYPE GL COVER	-3.35	15" RCP (IN) 15" RCP (OUT)	-1.85 (NE) -1.85 (SW)
CM-5	N:637267.82 E:930870.69	CONFLICT MH 4'X4'	2.03	USF 420 FRAME TYPE GL COVER	-2.30	18" RCP (IN) 18" RCP (OUT)	-2.10 (S) -2.10 (N)
CM-6	N:639026.61 E:931592.49	CONFLICT MH 8'X3.5'	5.44	USF 420 FRAME TYPE GL COVER	-5.50	66" RCP (IN) 66" RCP (IN)	-4.00 (S) -4.00 (N)
CM-7	N:639283.53 E:931587.92	CONFLICT MH 8'X3.5'	5.42	USF 420 FRAME TYPE GL COVER	-5.50	66" RCP (IN) 66" RCP (OUT)	-4.00 (S) -4.00 (N)
S-306	N:638644.98 E:929648.20	CONCRETE WINGED ENDWALL	0.65	N/A	N/A	24" RCP (IN)	-2.10 (E)
S-308	N:637024.84 E:930311.53	CONCRETE WINGED ENDWALL	0.25	N/A	N/A	24" RCP (IN)	-2.50 (E)
S-395	N:637058.72 E:930276.73	CONCRETE WINGED ENDWALL	0.11	N/A	N/A	18" RCP (IN)	-2.10 (N)
SMH-128	N:638329.56 E:931747.58	SMH 4'X10'	4.98	USF 4139 FRAME, USF 6002 GRATE USF 420 FRAME TYPE GL COVER	-8.50	42" RCP (OUT) 42" RCP (IN) 15" RCP (OUT)	-7.00 (W) -2.50 (E) 1.65 (N)
SMH-129	N:638339.39 E:932043.62	SMH 4'X10'	4.81	USF 4139 FRAME, USF 6002 GRATE USF 420 FRAME TYPE GL COVER	-4.00	42" RCP (OUT) 42" RCP (IN) 15" RCP (OUT)	-2.50 (W) -2.50 (E) 1.35 (N)
SMH-130	N:638345.07 E:932242.36	SMH 4'X10'	4.13	USF 4139 FRAME, USF 6002 GRATE USF 420 FRAME TYPE GL COVER	-4.50	42" RCP (OUT) 42" RCP (IN) 15" RCP (OUT)	-2.50 (W) -2.50 (E) -3.00 (N)
SMH-131	N:638349.93 E:932432.76	SMH 4'X10'	3.80	USF 4139 FRAME, USF 6002 GRATE USF 420 FRAME TYPE GL COVER	-4.50	42" RCP (OUT) 42" RCP (IN) 15" RCP (OUT)	-2.50 (W) -2.50 (E) -3.00 (N)
SMH-132	N:638355.95 E:932648.51	SMH 4'X10'	3.80	USF 4139 FRAME, USF 6002 GRATE USF 420 FRAME TYPE GL COVER	-4.00	42" RCP (OUT) 42" RCP (OUT) 15" RCP (OUT)	-2.50 (W) -2.50 (E) 0.65 (N)
SMH-133	N:638360.00 E:932779.13	SMH 4'X10'	3.44	USF 4139 FRAME, USF 6002 GRATE USF 420 FRAME TYPE GL COVER	-4.37	42" RCP (IN) 42" RCP (OUT) 15" RCP (OUT)	-2.87 (W) -2.87 (E) -0.75 (N)
SMH-134	N:638362.67 E:932897.36	SMH 4'X10'	3.09	USF 4139 FRAME, USF 6002 GRATE USF 420 FRAME TYPE GL COVER	-4.71	42" RCP (IN) 42" RCP (OUT) 15" RCP (OUT)	-3.16 (W) -3.21 (E) -2.50 (N)
STIN-1	N:637497.42 E:930285.90	CB 4'X4' W/ CONC COLLAR	2.54	USF 4139 FRAME USF 6002 GRATE	-2.15	15" RCP (OUT)	-0.65 (N)
STIN-2	N:637524.00 E:930285.90	CB 4'X4' W/ CONC COLLAR	2.70	USF 4139 FRAME USF 6002 GRATE	-2.25	15" RCP (IN) 15" RCP (OUT)	-0.75 (S) -0.45 (E)
STIN-3	N:637534.15 E:930469.65	CB 4'X4' W/ CONC COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-1.95	15" RCP (IN) 15" RCP (OUT)	-0.45 (W) -0.45 (E)
STIN-4	N:637545.64 E:930680.87	CB 4'X4' W/ CONC COLLAR	3.00	USF 4139 FRAME USF 6002 GRATE	-2.25	15" RCP (IN) 15" RCP (OUT) 15" RCP (IN)	-0.75 (W) -0.75 (E) -0.50 (S)
STIN-5	N:637550.40 E:930828.02	CB 4'X4' W/ CONC COLLAR	2.80	USF 4139 FRAME USF 6002 GRATE	-3.40	15" RCP (IN) 18" RCP (IN)	-0.95 (W) -1.90 (S)
STIN-6	N:637237.50 E:930396.16	CB 4' ø W/ PRB	1.20	USF 4139 FRAME USF 6002 GRATE	-3.50	15" RCP (IN) 15" RCP (OUT)	-2.00 (NE) -2.00 (SW)
STIN-7	N:637291.58 E:930873.88	CB 4' ø	1.85	USF 4139 FRAME USF 6002 GRATE	-3.60	15" RCP (IN) 18" RCP (IN)	-1.60 (NW) -2.10 (S)
STIN-8	N:637075.84 E:930899.26	CB 4'X4' W/ CONC COLLAR	1.90	USF 4139 FRAME USF 6002 GRATE	-5.00	18" RCP (OUT)	-3.50 (W) 12X18 ERCP
STIN-9	N:637032.59 E:930873.36	CB 4'X4' W/ CONC COLLAR	2.45	USF 4139 FRAME USF 6002 GRATE	-5.25	15" RCP (IN) 24" RCP (OUT) 18" RCP (OUT)	-2.94 (E) -3.75 (W) -1.85 (N)
STIN-10	N:637027.87 E:930731.71	CB 4'X4' W/ CONC COLLAR	3.20	USF 4139 FRAME USF 6002 GRATE	-5.45	24" RCP (IN) 24" RCP (OUT) 18" RCP (IN)	-3.95 (E) -2.05 (W) -0.20 (N) 12X18 ERCP
STIN-11	N:637020.18 E:930424.61	CB 4'X4' W/ CONCRETE COLLAR	2.30	USF 4139 FRAME USF 6002 GRATE	-3.90	24" RCP (IN) 24" RCP (OUT)	-2.40 (E) -2.40 (W)
STIN-12	N:637024.67 E:930360.21	CB 6' ø	1.70	USF 4138 FRAME USF 6218 GRATE	-4.50	24" RCP (OUT) 24" RCP (IN)	-2.50 (W) -2.50 (E)
STIN-13	N:638663.79 E:929700.28	CB 6' ø	2.10	USF 4138 FRAME USF 6218 GRATE	-4.10	24" RCP (OUT) 24" RCP (IN) 18" RCP (IN)	-2.10 (W) -2.10 (E) -0.68 (S) 12X18 ERCP

SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STIN-16	N:638744.84 E:929988.82	CB 6' ø	2.80	USF 4139 FRAME USF 6002 GRATE	-4.40	24" RCP (OUT) 24" RCP (IN) 18" RCP (IN)	-1.80 (W) -2.40 (E) -2.90 (S)
STIN-17	N:638807.89 E:930201.03	CB 4'X4' W/ CONC COLLAR	3.80	USF 4139 FRAME USF 6002 GRATE	-4.70	24" RCP (OUT) 24" RCP (IN)	-1.60 (W) -3.20 (E)
STIN-26	N:638357.99 E:931511.09	CB 4' ø	4.33	USF 4139 FRAME USF 6002 GRATE	-4.50	18" RCP (OUT) 15" RCP (IN)	-3.00 (E) 0.00 (N)
STIN-31	N:638288.33 E:931579.88	TYPE "C" DITCH BOTTOM INLET	4.30	USF 6209 GRATE	-1.70	15" RCP (OUT)	-0.20 (E)
STIN-33	N:638050.36 E:931585.44	TYPE "C" DITCH BOTTOM INLET	4.20	USF 6209 GRATE	-1.70	15" RCP (OUT)	-0.20 (E)
STIN-35	N:637671.34 E:931590.00	CB 4' ø	3.60	USF 4139 FRAME USF 6002 GRATE	-1.90	15" RCP (OUT)	-0.40 (SE)
STIN-36	N:637657.15 E:932302.21	CB 4'X4' W/ CONC COLLAR	3.45	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT)	0.00 (N)
STIN-37	N:637680.32 E:932301.64	CB 4'X4' W/ CONC COLLAR	3.50	USF 4139 FRAME USF 6002 GRATE	-1.58	15" RCP (IN) 15" RCP (OUT) 15" RCP (OUT)	-0.08 (S) -0.08 (W) -0.08 (E)
STIN-38	N:637674.35 E:932144.12	CB 4'X4' W/ CONC COLLAR	3.60	USF 4139 FRAME USF 6002 GRATE	-1.86	15" RCP (IN) 15" RCP (IN) 15" RCP (OUT)	-0.36 (E) -0.08 (S) -0.36 (W)
STIN-39	N:637651.87 E:932144.89	CB 4'X4' W/ CONC COLLAR	3.40	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT)	0.00 (N)
STIN-42	N:637136.68 E:931598.53	TYPE "C" DITCH BOTTOM INLET	3.40	USF 6209 GRATE	-1.20	15" RCP (OUT)	0.30 (E)
STIN-54	N:638322.13 E:929935.84	CB 4'X4' W/ CONC COLLAR	2.65	USF 4139 FRAME USF 6002 GRATE	-2.00	15" RCP (OUT)	-0.50 (N)
STIN-55	N:638552.25 E:929948.85	CB 4'X4' W/ CONC COLLAR	2.68	USF 4139 FRAME USF 6002 GRATE	-2.30	15" RCP (IN) 15" RCP (IN)	-0.80 (S) -0.80 (E)
STIN-56	N:638634.09 E:929708.64	TYPE "C" DITCH BOTTOM INLET	2.00	USF 6209 GRATE	-2.18	18" RCP (OUT)	-0.68 (N) 12X18 ERCP
STIN-60	N:638333.86 E:930471.10	CB 4'X4' W/ ASPHALT COLLAR	3.08	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT)	0.00 (S)
STIN-61	N:638347.54 E:930701.74	CB 4'X4' W/ ASPHALT COLLAR	3.54	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT)	0.00 (S)
STIN-62	N:638374.39 E:931248.69	CB 4'X4' W/ ASPHALT COLLAR	4.00	USF 4139 FRAME USF 6002 GRATE	-0.72	15" RCP (OUT)	0.78 (S)
STIN-63	N:638381.17 E:931358.47	CB 4'X4' W/ ASPHALT COLLAR	3.90	USF 4139 FRAME USF 6002 GRATE	-0.68	15" RCP (OUT)	0.82 (S)
STIN-65	N:638626.49 E:931572.85	TYPE "C" DITCH BOTTOM INLET	4.00	USF 6209 GRATE	-0.85	15" RCP (OUT)	0.65 (NE)
STIN-67	N:638854.58 E:931569.25	TYPE "C" DITCH BOTTOM INLET	4.90	USF 6209 GRATE	-1.12	15" RCP (OUT)	0.38 (E)
STIN-69	N:639048.57 E:931558.11	CB 4' ø	4.83	USF 4139 FRAME USF 6002 GRATE	-1.75	15" RCP (OUT) 15" RCP (IN)	-0.25 (E) 1.65 (N)
STIN-73	N:639381.24 E:932894.76	TYPE "C" DITCH BOTTOM INLET	3.19	USF 6209 GRATE	-3.25	24" RCP (IN) 24" RCP (OUT)	-1.75 (S) -1.75 (N)
STIN-77	N:638906.10 E:932265.22	CB 4' ø	3.60	USF 4139 FRAME USF 6002 GRATE	-1.23	15" RCP (OUT)	0.27 (SW)
STIN-83	N:638897.61 E:932901.98	CB 4' ø	2.50	USF 4139 FRAME USF 6002 GRATE	-3.25	24" RCP (IN) 24" RCP (OUT)	-1.40 (S) -1.75 (N)
STIN-86	N:638914.39 E:932774.81	TYPE "C" DITCH BOTTOM INLET	2.80	USF 6209 GRATE	-4.95	15" RCP (OUT) 15" RCP (OUT)	-1.20 (W) -3.45 (S)
STIN-87	N:638914.39 E:932736.57	TYPE "C" DITCH BOTTOM INLET	2.80	USF 6209 GRATE	-2.70	15" RCP (IN)	-1.20 (E)
STIN-88	N:638920.02 E:932519.80	TYPE "C" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-3.70	15" RCP (OUT) 15" RCP (OUT)	-2.20 (W) -2.17 (S)
STIN-89	N:638920.02 E:932479.03	TYPE "C" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-3.70	15" RCP (IN)	-2.20 (E)
STIN-92	N:638690.24 E:932914.42	TYPE "D" DITCH BOTTOM INLET	2.80	USF 6607 GRATE	-5.90	24" RCP (IN) 24" RCP (OUT)	-4.40 (S) -3.90 (N)
STIN-93	N:638621.03 E:932914.75	CB 4' ø	2.70	USF 4139 FRAME USF 6002 GRATE	-6.40	24" RCP (OUT) 24" RCP (IN)	-4.40 (N) -4.90 (SE)
STIN-101	N:637788.24 E:932937.76	CB 4' ø	3.70	USF 4139 FRAME USF 6002 GRATE	-4.00	18" RCP (OUT) 18" RCP (IN) 18" RCP (IN)	-2.00 (N) -2.00 (S) -2.50 (E) 12X18 ERCP
STIN-105	N:637709.08 E:932914.96	CB 4' ø	3.65	USF 4139 FRAME USF 6002 GRATE	-3.50	15" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	-2.00 (E) -0.40 (W) -2.00 (S)
STIN-106	N:637789.88 E:932984.11	CB 4'X4' W/ CONC COLLAR	3.69	USF 4139 FRAME USF 6002 GRATE	-3.90	18" RCP (OUT) 18" RCP (IN)	-2.40 (W) 12X18 ERCP -1.00 (E)

BID SET



SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STIN-107	N:637792.21 E:933076.59	CB 4'X4' W/ CONC COLLAR	3.49	USF 4139 FRAME USF 6002 GRATE	-4.00	18" RCP (OUT) 15" RCP (IN) 18" RCP (IN)	-1.00 (W) -2.50 (S) -1.00 (E)
STIN-108	N:637759.94 E:933077.59	TYPE "C" DITCH BOTTOM INLET	3.50	USF 6209 GRATE	-4.00	15" RCP (OUT)	-2.50 (N)
STIN-109	N:637799.95 E:933312.64	CB 4'X4' W/ CONC COLLAR	3.64	USF 4139 FRAME USF 6002 GRATE	-2.50	18" RCP (OUT) 18" RCP (IN)	-1.00 (W) -1.00 (E)
STIN-110	N:637778.66 E:933608.23	TYPE "C" DITCH BOTTOM INLET	3.45	USF 6209 GRATE	-3.50	18" RCP (OUT)	-2.00 (N) 12X18 ERCP
STIN-111	N:637809.57 E:933607.23	CB 4'X4' W/ CONC COLLAR	3.50	USF 4139 FRAME USF 6002 GRATE	-3.50	18" RCP (IN) 15" RCP (OUT)	-2.00 (S) 12X18 ERCP -1.25 (W)
STIN-112	N:637805.96 E:933488.54	CB 4'X4' W/ CONC COLLAR	3.52	USF 4139 FRAME USF 6002 GRATE	-4.00	15" RCP (IN) 18" RCP (OUT) 15" RCP (IN)	-1.25 (E) -1.00 (W) -2.50 (S)
STIN-113	N:637776.37 E:933489.57	TYPE "C" DITCH BOTTOM INLET	3.50	USF 6209 GRATE	-4.00	15" RCP (OUT)	-2.50 (N)
STIN-114	N:638052.49 E:933634.52	CB 4'X4' W/ CONC COLLAR	3.20	USF 4139 FRAME USF 6002 GRATE	-1.80	15" RCP (OUT)	-0.30 (N)
STIN-115	N:638080.14 E:933633.61	CB 4'X4' W/ CONC COLLAR	3.20	USF 4139 FRAME USF 6002 GRATE	-1.90	15" RCP (OUT) 15" RCP (IN)	-0.35 (W) -0.40 (S)
STIN-116	N:638067.03 E:933270.64	CB 4'X4' W/ CONC COLLAR	3.02	USF 4139 FRAME USF 6002 GRATE	-3.00	15" RCP (IN) 18" RCP (OUT) 15" RCP (IN)	-0.95 (E) -1.50 (W) -0.60 (S)
STIN-117	N:638061.31 E:933074.47	CB 4'X4' W/ CONC COLLAR	3.50	USF 4139 FRAME USF 6002 GRATE	-3.00	18" RCP (IN) 18" RCP (OUT) 15" RCP (IN)	-1.50 (E) -1.50 (W) -0.60 (S)
STIN-118	N:638059.12 E:933000.27	CB 4'X4' W/ CONC COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-3.13	18" RCP (IN) 18" RCP (OUT)	-1.50 (E) -1.63 (W) 12X18 ERCP
STIN-120	N:638033.84 E:933075.34	CB 4'X4' W/ CONC COLLAR	3.45	USF 4139 FRAME USF 6002 GRATE	-2.00	15" RCP (OUT)	-0.50 (N)
STIN-121	N:638039.42 E:933271.64	CB 4'X4' W/ CONC COLLAR	3.05	USF 4139 FRAME USF 6002 GRATE	-2.00	15" RCP (OUT)	-0.50 (N)
STIN-122	N:638344.93 E:933488.54	CB 4'X4' W/ CONC COLLAR	3.00	USF 4139 FRAME USF 6002 GRATE	-2.25	18" RCP (OUT)	-0.75 (S) 12X18 ERCP
STIN-123	N:638318.53 E:933489.24	CB 6' ø	3.10	USF 4139 FRAME USF 6002 GRATE	-4.00	18" RCP (IN) 36" RCP (OUT) 36" RCP (OUT)	-0.75 (N) 12X18 ERCP -2.40 (W) -2.50 (E)
STIN-124	N:638312.15 E:933320.06	CB 6' ø	3.00	USF 4139 FRAME USF 6002 GRATE	-4.00	36" RCP (IN) 36" RCP (OUT) 18" RCP (IN)	-2.50 (E) -2.15 (W) -1.00 (N) 12X18 ERCP
STIN-125	N:638304.99 E:933075.33	CB 6' ø	2.90	USF 4139 FRAME USF 6002 GRATE	-3.92	36" RCP (IN) 36" RCP (OUT) 15" RCP (IN)	-2.42 (E) -2.42 (W) -2.25 (N)
STIN-126	N:638301.97 E:932967.82	CB 6' ø	3.20	USF 4139 FRAME USF 6002 GRATE	-3.92	36" RCP (IN) 15" RCP (IN) 36" RCP (OUT)	-2.42 (E) -1.96 (N) -2.42 (W)
STIN-127	N:638329.74 E:932978.89	CB 4' ø	3.05	USF 4139 FRAME USF 6002 GRATE	-3.46	15" RCP (OUT)	-1.96 (S)
STIN-140	N:638588.18 E:933467.82	CB 4'X4' W/ ASPHALT COLLAR	3.60	USF 4139 FRAME USF 6002 GRATE	-1.45	15" RCP (OUT)	0.05 (N)
STIN-141	N:638615.49 E:933466.92	CB 4'X4' W/ ASPHALT COLLAR	3.70	USF 4139 FRAME USF 6002 GRATE	-4.00	15" RCP (IN) 18" RCP (OUT)	0.05 (S) -2.50 (W)
STIN-143	N:638604.66 E:933077.30	CB 4' ø W/ ASPHALT COLLAR	2.00	USF 4139 FRAME USF 6002 GRATE	-4.00	18" RCP (IN) 18" RCP (OUT) 15" RCP (IN)	-2.50 (E) -2.50 (W) -1.07 (S)
STIN-144	N:638601.76 E:932962.48	CB 5' ø	2.50	USF 4139 FRAME USF 6002 GRATE	-4.00	18" RCP (IN) 15" RCP (OUT) 15" RCP (IN)	-2.50 (E) -2.50 (W) -1.05 (SE)
STIN-145	N:638578.01 E:933078.67	CB 4' ø W/ ASPHALT COLLAR	2.20	USF 4139 FRAME USF 6002 GRATE	-2.57	15" RCP (OUT)	-1.07 (N)
STIN-147	N:637583.08 E:934225.02	CB 4' ø	4.60	USF 4139 FRAME USF 6002 GRATE	-1.25	15" RCP (OUT)	0.25 (N)
STIN-148	N:637878.58 E:934256.29	TYPE "C" DITCH BOTTOM INLET	2.90	USF 6209 GRATE	-4.70	15" RCP (IN) 15" RCP (OUT) 15" RCP (IN)	-0.90 (S) -0.90 (N) -3.20 (W)
STIN-150	N:638059.39 E:934256.29	TYPE "C" DITCH BOTTOM INLET	3.30	USF 6209 GRATE	-3.80	15" RCP (IN) 15" RCP (IN)	-1.35 (S) -2.30 (W)
STIN-151	N:638325.70 E:934256.29	CB 6'X6'	3.60	USF 4139 FRAME USF 6002 GRATE	-5.60	18" RCP (IN) 30" RCP (OUT) 36" RCP (OUT)	-2.50 (S) -3.50 (N) -4.10 (W)
STIN-152	N:638393.19 E:934250.08	CB 4'X4'	3.70	USF 4139 FRAME USF 6002 GRATE	-4.50	30" RCP (IN) 30" RCP (OUT)	-3.00 (S) -3.00 (N)
STIN-153	N:638370.12 E:934193.67	TYPE "C" DITCH BOTTOM INLET	3.70	USF 6209 GRATE	-5.20	15" RCP (IN)	-3.70 (S)
STIN-155	N:638381.67 E:934862.21	CB 4' ø W/ ASPHALT COLLAR	2.90	USF 4139 FRAME USF 6002 GRATE	-2.10	15" RCP (OUT)	-0.60 (W)
STIN-157	N:638380.79 E:934539.15	TYPE "C" DITCH BOTTOM INLET	3.30	USF 6209 GRATE	-1.60	15" RCP (OUT)	-0.10 (S)
STIN-158	N:638376.46 E:934368.16	TYPE "C" DITCH BOTTOM INLET	3.40	USF 6209 GRATE	-1.50	15" RCP (OUT)	0.00 (S)
STIN-161	N:638899.83 E:934939.32	CB 4' ø	4.60	USF 4139 FRAME USF 6002 GRATE	-0.18	15" RCP (OUT)	1.32 (W)
STIN-163	N:638915.19 E:934562.04	TYPE "C" DITCH BOTTOM INLET	4.55	USF 6209 GRATE	0.00	18" RCP (OUT)	1.50 (S) 12X18 ERCP

SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STIN-170	N:639733.76 E:934217.05	CB 4'X4'	4.30	USF 4139 FRAME USF 6002 GRATE	-3.40	15" RCP (OUT)	-1.90 (E)
STIN-171	N:639733.73 E:934231.26	TYPE "C" DITCH BOTTOM INLET	4.00	USF 6209 GRATE	-3.50	15" RCP (IN) 15" RCP (IN)	-2.00 (W) -2.00 (S)
STIN-172	N:639468.27 E:934231.32	TYPE "D" DITCH BOTTOM INLET	4.15	USF 6607 GRATE	-3.60	15" RCP (IN) 15" RCP (OUT)	-2.05 (N) -2.10 (W)
STIN-173	N:639468.22 E:934192.60	TYPE "D" DITCH BOTTOM INLET	4.21	USF 6607 GRATE	-3.70	15" RCP (IN) 18" RCP (OUT)	-2.20 (E) -2.20 (S)
STIN-174	N:639180.41 E:934197.67	CB 5' ø	3.90	USF 4139 FRAME USF 6002 GRATE	-4.20	18" RCP (IN) 18" RCP (OUT) 15" RCP (IN)	-2.70 (N) -2.70 (S) -2.10 (E)
STIN-175	N:639191.22 E:934237.97	TYPE "C" DITCH BOTTOM INLET	4.00	USF 6209 GRATE	-3.50	15" RCP (OUT)	-2.00 (W)
STIN-179	N:638648.03 E:934249.22	CB 5' ø	3.70	USF 4139 FRAME USF 6002 GRATE	-4.80	30" RCP (IN) 15" RCP (IN) 24" RCP (OUT)	-3.30 (S) -2.50 (W) -3.10 (N)
STIN-181	N:638059.39 E:934214.11	TYPE "C" DITCH BOTTOM INLET	3.50	USF 6209 GRATE	-4.00	15" RCP (OUT) 15" RCP (OUT)	-2.50 (E) -2.50 (N)
STIN-185	N:637878.58 E:934221.41	CB 4'X4' W/ CONC COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-4.60	15" RCP (OUT)	-3.10 (E)
STIN-187	N:637518.95 E:930682.33	CB 4'X4' W/ CONC COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-2.15	15" RCP (OUT)	-0.65 (N)
STIN-190	N:637349.67 E:930821.76	CB 4'X4'	1.80	USF 4139 FRAME USF 6002 GRATE	-5.75	15" RCP (OUT)	-4.25 (E)
STIN-191	N:637075.82 E:930870.60	CB 4'X4' W/ CONC COLLAR	2.30	USF 4139 FRAME USF 6002 GRATE	-5.20	18" RCP (OUT) 18" RCP (IN) 18" RCP (IN)	-3.70 (S) -1.61 (N) -3.50 (E) 12X18 ERCP
STIN-194	N:637058.37 E:930731.71	CB 4'X4' W CONC COLLAR	3.10	USF 4139 FRAME USF 6002 GRATE	-1.70	18" RCP (OUT)	-0.20 (S) 12X18 ERCP
STIN-195	N:637033.93 E:931190.85	CB 4'X4' W/ CONC COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-3.74	15" RCP (OUT)	-2.24 (W)
STIN-196	N:637030.08 E:931022.41	CB 4'X4' W/ CONC COLLAR	2.80	USF 4139 FRAME USF 6002 GRATE	-4.14	15" RCP (OUT) 15" RCP (IN)	-2.64 (W) -2.64 (E)
STIN-197	N:636580.79 E:931603.93	TYPE "C" DITCH BOTTOM INLET	3.20	USF 6209 GRATE	-1.50	15" RCP (OUT)	0.00 (E)
STIN-198	N:636588.30 E:931660.18	CB 4' ø W/ CONC COLLAR	3.45	USF 4139 FRAME USF 6002 GRATE	-5.60	15" RCP (OUT) 15" RCP (IN)	-4.10 (W) -0.85 (E)
STIN-200	N:637757.51 E:931626.87	TYPE "C" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-1.55	15" RCP (OUT)	-0.05 (W)
STIN-202	N:637658.35 E:931665.10	CB 4'X4' W/ CONC COLLAR	4.00	USF 4139 FRAME USF 6002 GRATE	-4.70	15" RCP (IN) 18" RCP (OUT)	-1.20 (E) -3.20 (W) 12X18 ERCP
STIN-204	N:637863.04 E:931627.84	TYPE "C" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-1.90	15" RCP (OUT)	-0.40 (W)
STIN-205	N:637861.49 E:931583.33	TYPE "C" DITCH BOTTOM INLET	3.90	USF 6209 GRATE	-1.90	15" RCP (OUT)	-0.40 (E)
STIN-206	N:638050.36 E:931625.94	TYPE "C" DITCH BOTTOM INLET	4.60	USF 6209 GRATE	-1.50	15" RCP (OUT)	0.00 (W)
STIN-207	N:638288.33 E:931623.50	TYPE "C" DITCH BOTTOM INLET	4.50	USF 6209 GRATE	-1.50	15" RCP (OUT)	0.00 (W)
STIN-208	N:638496.79 E:931618.97	CB 4'X4'	4.20	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT)	0.00 (W)
STIN-209	N:638647.24 E:931615.85	CB 4' ø	4.70	USF 4139 FRAME USF 6002 GRATE	-1.05	15" RCP (OUT)	0.45 (W)
STIN-210	N:639048.68 E:931605.60	CB 4' ø	5.16	USF 4139 FRAME USF 6002 GRATE	-1.75	15" RCP (OUT)	-0.25 (W)
STIN-213	N:638850.90 E:932378.11	TYPE "C" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-4.90	18" RCP (OUT)	-3.40 (N) 12X18 ERCP
STIN-214	N:638892.60 E:932236.21	CB 4' ø	3.65	USF 4139 FRAME USF 6002 GRATE	-3.70	15" RCP (OUT) 15" RCP (IN)	-2.20 (SW) 0.15 (NE)
STIN-217	N:637700.17 E:932681.30	TYPE "C" DITCH BOTTOM INLET	3.50	USF 6209 GRATE	-1.50	15" RCP (OUT)	0.00 (E)
STIN-218	N:637672.73 E:932915.09	TYPE "C" DITCH BOTTOM INLET	3.60	USF 6209 GRATE	-3.50	15" RCP (OUT)	-2.00 (N)
STIN-219	N:638546.98 E:932949.19	TYPE "C" DITCH BOTTOM INLET	2.90	USF 6209 GRATE	-4.00	15" RCP (OUT)	-2.50 (W)
STIN-232	N:638871.44 E:933792.21	TYPE "C" DITCH BOTTOM INLET	3.90	USF 6209 GRATE	-4.95	15" RCP (OUT)	-3.45 (N)
STIN-233	N:638899.96 E:933792.21	TYPE "C" DITCH BOTTOM INLET	3.83	USF 6209 GRATE	-2.25	15" RCP (OUT)	-0.75 (S)
STIN-235	N:638904.99 E:933975.66	TYPE "C" DITCH BOTTOM INLET	3.40	USF 6209 GRATE	-2.25	15" RCP (OUT)	-0.75 (S)
STIN-236	N:638875.41 E:933975.66	TYPE "C" DITCH BOTTOM INLET	3.70	USF 6209 GRATE	-4.95	15" RCP (OUT)	-3.45 (N)
STIN-238	N:638609.33 E:933245.07	TYPE "C" DITCH BOTTOM INLET W/ ASPHALT COLLAR	2.73	USF 6209 GRATE	-4.00	18" RCP (IN) 18" RCP (OUT)	-2.50 (E) -2.50 (W)
STIN-239	N:638338.92 E:933318.58	CB 4'X4' W/ CONC COLLAR	2.89	USF 4139 FRAME USF 6002 GRATE	-2.50	18" RCP (OUT)	-1.00 (S) 12X18 ERCP
STIN-240	N:638331.83 E:933074.45	CB 4'X4' W/ CONC COLLAR	2.90	USF 4139 FRAME USF 6002 GRATE	-3.75	15" RCP (OUT)	-2.25 (S)
STIN-242	N:638648.03 E:934199.89	TYPE "C" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-3.70	15" RCP (OUT) 15" RCP (OUT)	-2.20 (E) -2.00 (S)
STIN-248	N:637666.68 E:931903.46	CB 4'X4' W/ CONC COLLAR	4.40	USF 4139 FRAME USF 6002 GRATE	-2.30	15" RCP (IN) 15" RCP (OUT)	-0.80 (E) -0.80 (W)

# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD, SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/28/2023

TEL: 954-987-0066  
FAX: 954-987-2949


DRAWN BY: JSJ  
DATE: APRIL 2021

DESIGNED BY: SCALE: N/A  
TAV

CHECKED BY: RBT

FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISITONS		DESCRIPTION							
NO.	DATE	BY	CHK'D						

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
SCHEDULE OF STRUCTURES -  
EDGEWOOD WEST SHEET 2

SHEET NO.  
**4C-02**

TOTAL: 224

CAD FILE: 11842-4C02

DRAWING FILE NO. 4-142-65

BID SET



SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STIN-249	N:638074.02 E:933455.30	CB 4'X4'	3.11	USF 4139 FRAME USF 6002 GRATE	-2.15	15" RCP (IN) 15" RCP (OUT)	-0.65 (E) -0.65 (W)
STIN-252	N:639263.01 E:931613.35	CB 4' ø	4.80	USF 4139 FRAME USF 6002 GRATE	-1.75	18" RCP (OUT)	-0.25 (W) 12X18 ERCP
STIN-253	N:639263.01 E:931546.66	CB 4' ø	4.75	USF 4139 FRAME USF 6002 GRATE	-1.05	15" RCP (OUT)	0.45 (E)
STIN-254	N:638883.34 E:934562.04	TYPE "c" DITCH BOTTOM INLET	4.30	USF 6209 GRATE	0.00	18" RCP (OUT)	1.50 (N) 12X18 ERCP
STIN-256	N:638887.11 E:934769.58	TYPE "c" DITCH BOTTOM INLET	4.60	USF 6209 GRATE	0.25	18" RCP (OUT)	1.75 (N) 12X18 ERCP
STIN-257	N:638918.57 E:934769.58	TYPE "c" DITCH BOTTOM INLET	4.60	USF 6209 GRATE	-0.11	18" RCP (OUT)	1.39 (S) 12X18 ERCP
STIN-258	N:638863.92 E:931843.70	TYPE "c" DITCH BOTTOM INLET	5.60	USF 6209 GRATE	-1.75	15" RCP (OUT)	-0.25 (S)
STIN-260	N:638837.37 E:931843.53	TYPE "c" DITCH BOTTOM INLET	5.50	USF 6209 GRATE	-3.00	15" RCP (OUT)	-1.50 (N)
STIN-262	N:638846.51 E:932061.90	CB 4' ø	3.95	USF 4139 FRAME USF 6002 GRATE	-6.00	15" RCP (OUT)	-4.50 (N)
STIN-263	N:638876.70 E:932057.28	TYPE "c" DITCH BOTTOM INLET	4.00	USF 6209 GRATE	-2.75	15" RCP (OUT)	-1.25 (S)
STIN-311	N:638341.93 E:934368.16	TYPE "c" DITCH BOTTOM INLET	3.60	USF 6209 GRATE	-1.50	15" RCP (OUT)	0.00 (N)
STIN-312	N:638345.46 E:934553.23	CB 4' ø	3.51	USF 4139 FRAME USF 6002 GRATE	-1.42	15" RCP (OUT)	0.08 (NW)
STIN-344	N:637271.61 E:930679.76	CB 4'X4' W/ CONC COLLAR	1.90	USF 4139 FRAME USF 6002 GRATE	-2.50	18" RCP (OUT)	-1.00 (N) 12X18 ERCP
STIN-345	N:637298.25 E:930679.02	CB 4'X4' W/ CONC COLLAR	2.00	USF 4139 FRAME USF 6002 GRATE	-3.00	18" RCP (IN) 15" RCP (OUT)	-1.00 (S) 12X18 ERCP -1.50 (W)
STIN-346	N:637294.25 E:930519.21	CB 4'X4' W/ CONC COLLAR	1.85	USF 4139 FRAME USF 6002 GRATE	-3.00	15" RCP (IN) 18" RCP (IN) 15" RCP (OUT)	-1.50 (E) -1.00 (S) 12X18 ERCP -1.50 (W)
STIN-347	N:637267.13 E:930520.08	CB 4'X4' W/ CONC COLLAR	2.00	USF 4139 FRAME USF 6002 GRATE	-2.50	18" RCP (OUT)	-1.00 (N) 12X18 ERCP
STIN-352	N:637293.04 E:930462.77	CB 4' ø	1.50	USF 4139 FRAME USF 6002 GRATE	-3.30	15" RCP (IN) 15" RCP (OUT)	-1.65 (E) -1.80 (SW)
STIN-355	N:637297.53 E:931768.60	CB 4' ø W/ CONC COLLAR	3.82	USF 4139 FRAME USF 6002 GRATE	-1.80	15" RCP (OUT) 15" RCP (IN)	-0.30 (NW) -0.30 (E)
STIN-356	N:637300.23 E:931844.10	CB 4'X4' W/ CONC COLLAR	4.00	USF 4139 FRAME USF 6002 GRATE	-1.65	15" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	-0.15 (W) -0.15 (E) -0.10 (N)
STIN-357	N:637307.62 E:932039.31	CB 4'X4' W/ CONC COLLAR	4.00	USF 4139 FRAME USF 6002 GRATE	-1.30	15" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	0.20 (W) 0.20 (E) 0.30 (N)
STIN-358	N:637312.05 E:932129.92	CB 4'X4' W/ CONC COLLAR	4.00	USF 4139 FRAME USF 6002 GRATE	-1.10	15" RCP (OUT) 18" RCP (IN)	0.40 (W) 0.80 (N) 12X18 ERCP
STIN-359	N:637335.57 E:932128.91	CB 4'X4' W/ CONC COLLAR	4.00	USF 4139 FRAME USF 6002 GRATE	-0.70	18" RCP (OUT)	0.80 (S) 12X18 ERCP
STIN-360	N:637331.75 E:932038.59	CB 4'X4' W/ CONC COLLAR	4.25	USF 4139 FRAME USF 6002 GRATE	-1.20	15" RCP (OUT)	0.30 (S)
STIN-361	N:637323.53 E:931843.44	CB 4'X4' W/ CONC COLLAR	3.90	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT)	0.00 (S)
STIN-366	N:637000.48 E:932061.53	TYPE "c" DITCH BOTTOM INLET	3.90	USF 6209 GRATE	-4.00	15" RCP (OUT)	-2.50 (S)
STIN-367	N:636960.43 E:931919.56	CB 4'X4' W/ CONC COLLAR	4.00	USF 4139 FRAME USF 6002 GRATE	-1.10	15" RCP (OUT)	0.40 (N)
STIN-368	N:636954.72 E:931784.56	CB 4'X4' W/ CONC COLLAR	3.52	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT)	0.00 (N)
STIN-369	N:636988.22 E:931783.79	TYPE "c" DITCH BOTTOM INLET	3.20	USF 6209 GRATE	-4.30	15" RCP (OUT)	-2.80 (S)
STIN-370	N:636983.33 E:931676.35	TYPE "c" DITCH BOTTOM INLET	3.20	USF 6209 GRATE	-4.30	15" RCP (OUT)	-2.80 (S)
STIN-371	N:636594.68 E:931808.60	CB 4'X4' W/ CONC COLLAR	3.15	USF 4139 FRAME USF 6002 GRATE	-2.05	15" RCP (OUT) 15" RCP (IN) 18" RCP (IN)	-0.55 (W) -0.55 (E) -0.20 (N) 12X18 ERCP
STIN-372	N:636601.87 E:931969.43	CB 4'X4' W/ CONC COLLAR	3.40	USF 4139 FRAME USF 6002 GRATE	-1.75	15" RCP (OUT) 15" RCP (IN) 18" RCP (IN)	-0.25 (W) -0.25 (E) 0.10 (N) 12X18 ERCP
STIN-373	N:636607.82 E:932100.73	CB 4'X4' W/ CONC COLLAR	3.60	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT) 15" RCP (IN) 18" RCP (IN)	0.00 (W) 0.00 (E) 0.70 (N) 12X18 ERCP
STIN-374	N:636624.56 E:931968.47	CB 4'X4' W/ CONC COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-1.40	18" RCP (OUT)	0.10 (S) 12X18 ERCP
STIN-375	N:636617.92 E:931807.58	CB 4'X4' W/ CONC COLLAR	2.82	USF 4139 FRAME USF 6002 GRATE	-1.70	18" RCP (OUT)	-0.20 (S) 12X18 ERCP
STIN-382	N:638665.61 E:929982.75	CB 4'X4' W/ CONC COLLAR	2.75	USF 4139 FRAME USF 6002 GRATE	-4.40	18" RCP (IN) 18" RCP (OUT) 15" RCP (IN)	-1.20 (S) -2.90 (N) -0.90 (W)
STIN-383	N:639218.55 E:932897.18	TYPE "c" DITCH BOTTOM INLET	2.10	USF 6209 GRATE	-3.25	24" RCP (IN) 24" RCP (OUT)	-1.75 (S) -1.75 (N)
STIN-384	N:639026.00 E:932900.06	TYPE "c" DITCH BOTTOM INLET	1.61	USF 6209 GRATE	-3.25	24" RCP (IN) 24" RCP (OUT)	-1.75 (S) -1.75 (N)
STIN-385	N:638840.51 E:932943.34	TYPE "c" DITCH BOTTOM INLET	2.50	USF 6209 GRATE	-4.10	15" RCP (OUT)	-2.60 (W)

SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STIN-386	N:638840.66 E:932913.71	CB 4' ø	2.70	USF 4139 FRAME USF 6002 GRATE	-6.94	24" RCP (OUT) 24" RCP (IN) 15" RCP (IN)	-5.44 (N) -4.10 (S) -2.60 (E)
STIN-397	N:638574.62 E:932980.52	CB 4' ø W/ ASPHALT COLLAR	2.00	USF 4139 FRAME USF 6002 GRATE	-2.55	15" RCP (OUT)	-1.05 (NW)
STIN-399	N:637779.18 E:934221.72	CB 4'X4' W/ CONC COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-1.80	15" RCP (IN) 15" RCP (OUT)	-0.30 (S) -0.30 (E)
STIN-400	N:637779.21 E:934256.29	TYPE "c" DITCH BOTTOM INLET	3.00	USF 6209 GRATE	-2.00	15" RCP (IN) 15" RCP (OUT)	-0.50 (W) -0.50 (N)
STIN-402	N:636612.61 E:932212.77	CB 4'X4' W/ CONC COLLAR	3.90	USF 4139 FRAME USF 6002 GRATE	-1.30	15" RCP (OUT)	0.20 (W)
STIN-403	N:636630.83 E:932099.73	CB 4'X4' W/ CONC COLLAR	3.45	USF 4139 FRAME USF 6002 GRATE	-0.80	18" RCP (OUT)	0.70 (S) 12X18 ERCP
STIN-406	N:637350.18 E:930832.10	CB 4' ø	2.13	USF 4139 FRAME USF 6002 GRATE	-5.75	18" RCP (IN) 15" RCP (OUT) 15" RCP (IN)	-1.90 (N) -1.70 (SE) -4.25 (W)
STIN-407	N:638667.34 E:929955.20	CB 4'X4' W/ CONC COLLAR	2.85	USF 4139 FRAME USF 6002 GRATE	-2.20	15" RCP (OUT)	-0.70 (E)
STIN-409	N:638550.81 E:929976.26	CB 4'X4' W/ CONC COLLAR	2.50	USF 4139 FRAME USF 6002 GRATE	-2.50	15" RCP (OUT) 18" RCP (OUT)	-0.90 (W) -1.00 (N)
STIN-413	N:639130.57 E:931557.08	CB 4'X4'	4.65	USF 4139 FRAME USF 6002 GRATE	0.15	15" RCP (OUT)	1.65 (S)
STIN-416	N:638844.20 E:932224.51	CB 4' ø	3.60	USF 4139 FRAME USF 6002 GRATE	-4.67	12" RCP (OUT)	-3.17 (N)
STIN-417	N:638859.92 E:932782.03	CB 4' ø	3.10	USF 4139 FRAME USF 6002 GRATE	-6.08	15" RCP (OUT)	-4.58 (NW)
STIN-418	N:637456.74 E:931593.71	TYPE "c" DITCH BOTTOM INLET	3.40	USF 6209 GRATE	-1.85	15" RCP (OUT)	-0.35 (E)
STIN-427	N:636992.97 E:931918.27	TYPE "c" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-4.00	15" RCP (OUT)	-2.50 (S)
STIN-428	N:636766.30 E:931601.41	TYPE "c" DITCH BOTTOM INLET	3.30	USF 6209 GRATE	-2.50	15" RCP (OUT)	-1.00 (E)
STIN-429	N:636768.78 E:931649.13	TYPE "c" DITCH BOTTOM INLET	3.10	USF 6209 GRATE	-5.60	15" RCP (OUT)	-4.10 (W)
STIN-430	N:636967.36 E:931599.68	TYPE "c" DITCH BOTTOM INLET	3.20	USF 6209 GRATE	-2.25	15" RCP (OUT)	-0.75 (E)
STIN-431	N:637137.34 E:931636.91	TYPE "c" DITCH BOTTOM INLET	3.40	USF 6209 GRATE	-1.20	15" RCP (OUT)	0.30 (W)
STIN-432	N:637463.80 E:931632.33	TYPE "c" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-1.85	15" RCP (OUT)	-0.35 (W)
STIN-433	N:638874.75 E:931617.55	CB 4' ø	5.00	USF 4139 FRAME USF 6002 GRATE	-2.40	15" RCP (OUT)	-0.90 (S)
STIN-434	N:637239.25 E:930912.41	CB 4' ø	1.90	USF 4139 FRAME USF 6002 GRATE	-4.84	15" RCP (OUT)	-3.34 (W)
STIN-435	N:637238.15 E:930866.70	CB 4'X4' W/ CONC COLLAR	2.10	USF 4139 FRAME USF 6002 GRATE	-4.94	15" RCP (IN) 18" RCP (OUT) 18" RCP (OUT)	-3.44 (E) -1.51 (S) -2.10 (N)
STIN-437	N:638360.01 E:930947.76	CB 4'X4' W/ ASPHALT COLLAR	3.60	USF 4139 FRAME USF 6002 GRATE	-1.12	15" RCP (OUT)	0.38 (S)
STIN-439	N:638911.61 E:934257.60	CB 4' ø	4.10	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (IN)	0.00 (S)
STIN-441	N:638352.74 E:934783.88	CB 4' ø W/ ASPHALT COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-2.10	15" RCP (OUT)	-0.60 (N)
STIN-442	N:638380.88 E:934783.88	CB 4' ø W/ ASPHALT COLLAR	3.30	USF 4139 FRAME USF 6002 GRATE	-2.10	15" RCP (OUT) 15" RCP (IN)	-0.60 (S) -0.60 (E)
STIN-443	N:638230.83 E:934214.11	TYPE "c" DITCH BOTTOM INLET	3.70	USF 6209 GRATE	-3.80	15" RCP (IN) 15" RCP (OUT)	-2.30 (S) -2.30 (E)
STIN-444	N:638117.75 E:934214.11	TYPE "c" DITCH BOTTOM INLET	3.50	USF 6209 GRATE	-4.00	15" RCP (IN) 15" RCP (OUT)	-2.50 (S) -2.30 (N)
STIN-445	N:638230.83 E:934256.29	TYPE "c" DITCH BOTTOM INLET	3.40	USF 6209 GRATE	-4.00	18" RCP (OUT) 15" RCP (IN)	-2.50 (N) -2.50 (W)
STIN-447	N:638817.10 E:930252.66	TYPE "c" DITCH BOTTOM INLET	3.55	USF 6209 GRATE	-4.20	15" RCP (IN)	-2.70 (W)
STIN-448	N:638606.41 E:930216.28	TYPE "c" DITCH BOTTOM INLET	3.70	USF 6209 GRATE	-4.20	15" RCP (OUT)	-2.70 (E)
STIN-449	N:638607.36 E:930259.45	TYPE "c" DITCH BOTTOM INLET	3.40	USF 6209 GRATE	-4.20	15" RCP (OUT)	-2.70 (W)
STIN-450	N:638449.48 E:930223.88	TYPE "c" DITCH BOTTOM INLET	3.50	USF 6209 GRATE	-4.23	15" RCP (OUT)	-2.73 (E)
STIN-451	N:638450.33 E:930262.50	TYPE "c" DITCH BOTTOM INLET	3.10	USF 6209 GRATE	-4.23	15" RCP (OUT)	-2.73 (W)
STIN-453	N:638873.09 E:934245.55	CB 5' ø	4.19	USF 4139 FRAME USF 6002 GRATE	-6.20	24" RCP (IN) 24" RCP (OUT) 15" RCP (OUT)	-3.30 (S) -4.70 (W) -3.94 (NE)
STIN-454	N:639679.97 E:934231.26	TYPE "c" DITCH BOTTOM INLET	4.20	USF 6209 GRATE	-3.60	15" RCP (OUT) 15" RCP (OUT)	-1.70 (S) -2.10 (N)
STIN-455	N:638340.33 E:934193.67	CB 6' ø	3.90	USF 4139 FRAME USF 6002 GRATE	-5.50	36" RCP (IN) 15" RCP (OUT) 36" RCP (IN)	-4.00 (E) -3.80 (N) -2.90 (W)
STIN-456	N:638609.37 E:934199.89	TYPE "c" DITCH BOTTOM INLET	3.80	USF 6209 GRATE	-3.30	15" RCP (IN)	-1.80 (N)
STIN-457	N:638931.57 E:934197.67	CB 4' ø W CONC COLLAR	3.88	USF 4139 FRAME USF 6002 GRATE	-5.70	18" RCP (IN) 24" RCP (OUT)	-3.00 (N) -4.20 (S)

# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD, SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023

TEL: 954-987-0066  
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DRAWN BY: JSJ  
DATE: APRIL 2021

DESIGNED BY: SCALE: N/A

CHECKED BY: TAV  
RBT

FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISONS		DESCRIPTION					
NO.	DATE	BY	CHK'D				

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
SCHEDULE OF STRUCTURES -  
EDGEWOOD WEST SHEET 3

SHEET NO.  
**4C-03**

TOTAL: 224

CAD FILE: 11842-4C03

DRAWING FILE NO. 4-142-65

BID SET



SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STIN-458	N:638600.40 E:934247.15	CB 5' ø	3.70	USF 4139 FRAME USF 6002 GRATE	-4.70	30" RCP (IN) 30" RCP (OUT)	-3.20 (S) -3.20 (N)
STIN-463	N:637686.36 E:932458.80	CB 4' ø	3.60	USF 4139 FRAME USF 6002 GRATE	-1.58	15" RCP (IN) 15" RCP (OUT)	-0.08 (W) -0.08 (SE)
STIN-464	N:637664.53 E:932475.12	CB 4' ø	3.55	USF 4139 FRAME USF 6002 GRATE	-1.58	15" RCP (IN)	-0.08 (NW)
STIN-465	N:637299.29 E:931664.26	CB 4'X4'	3.75	USF 4139 FRAME USF 6002 GRATE	-5.25	18" RCP (OUT) 15" RCP (OUT)	-3.75 (W) 12X18 ERCP -0.30 (E)
STIN-466	N:636965.81 E:932063.50	CB 4'X4' W/ CONC COLLAR	4.15	USF 4139 FRAME USF 6002 GRATE	-1.00	15" RCP (IN)	0.50 (N)
STIN-467	N:638307.73 E:930472.50	CB 4'X4' W/ ASPHALT COLLAR	3.60	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (IN)	0.00 (N)
STIN-468	N:638319.41 E:930703.24	CB 4'X4' W/ ASPHALT COLLAR	3.60	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (IN)	0.00 (N)
STIN-470	N:638349.15 E:931250.09	CB 4'X4' W/ ASPHALT COLLAR	3.95	USF 4139 FRAME USF 6002 GRATE	-0.72	15" RCP (IN)	0.78 (N)
STIN-471	N:638355.05 E:931359.87	CB 4'X4' W/ ASPHALT COLLAR	4.10	USF 4139 FRAME USF 6002 GRATE	-0.68	15" RCP (IN)	0.82 (N)
STIN-472	N:638326.43 E:930327.28	CB 4'X4' W/ ASPHALT COLLAR	3.35	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (OUT)	0.00 (S)
STIN-473	N:638299.69 E:930328.71	CB 4'X4' W/ ASPHALT COLLAR	3.25	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (IN)	0.00 (N)
STIN-474	N:638389.01 E:931509.14	CB 4'X4' W/ CONC COLLAR	3.90	USF 4139 FRAME USF 6002 GRATE	-1.50	15" RCP (IN)	0.00 (S)
STIN-477	N:638326.63 E:933715.90	CB 5' ø	3.33	USF 4139 FRAME USF 6002 GRATE	-4.10	36" RCP (IN) 36" RCP (OUT)	-2.60 (W) -2.60 (E)
STIN-478	N:638334.44 E:933967.30	CB 5' ø	3.71	USF 4139 FRAME USF 6002 GRATE	-4.25	36" RCP (IN) 36" RCP (OUT)	-2.75 (W) -2.75 (E)
STIN-481	N:638349.42 E:931747.00	CB 4'X4' W/ CONC COLLAR	4.90	USF 4139 FRAME USF 6002 GRATE	0.15	15" RCP (IN)	1.65 (S)
STIN-482	N:638358.59 E:932043.08	CB 4'X4' W/ CONC COLLAR	4.85	USF 4139 FRAME USF 6002 GRATE	-0.15	15" RCP (IN)	1.35 (S)
STIN-483	N:638363.67 E:932241.83	CB 4'X4' W/ CONC COLLAR	3.95	USF 4139 FRAME USF 6002 GRATE	-4.50	15" RCP (IN)	-3.00 (S)
STIN-484	N:638369.07 E:932432.21	CB 4'X4' W/ CONC COLLAR	3.80	USF 4139 FRAME USF 6002 GRATE	-4.50	15" RCP (IN)	-3.00 (S)
STIN-485	N:638375.43 E:932647.96	CB 4'X4' W/ CONC COLLAR	3.70	USF 4139 FRAME USF 6002 GRATE	-0.85	15" RCP (IN)	0.65 (S)
STIN-486	N:638378.87 E:932778.58	CB 4'X4' W/ CONC COLLAR	3.10	USF 4139 FRAME USF 6002 GRATE	-2.25	15" RCP (IN)	-0.75 (S)
STIN-487	N:638381.64 E:932896.83	CB 4'X4' W/ CONC COLLAR	3.20	USF 4139 FRAME USF 6002 GRATE	-4.00	15" RCP (IN)	-2.50 (S)
STIN-490	N:636907.77 E:932976.59	CB 4'X4'	3.90	USF 4139 FRAME USF 6002 GRATE	-3.25	15" RCP (OUT)	-1.75 (W)
STIN-491	N:636907.34 E:932951.45	CB 4'X4'	3.70	USF 4139 FRAME USF 6002 GRATE	-4.90	15" RCP (IN) 18" RCP (OUT)	-1.78 (E) -3.40 (N)
STIN-492	N:637457.87 E:932943.54	CB 4'X4'	3.90	USF 4139 FRAME USF 6002 GRATE	-3.25	18" RCP (IN) 18" RCP (OUT) 15" RCP (IN)	-1.75 (S) -1.75 (N) -1.75 (E)
STIN-493	N:637513.53 E:932942.05	CB 4' ø	4.45	USF 4139 FRAME USF 6002 GRATE	-4.22	18" RCP (IN) 18" RCP (OUT) 15" RCP (IN)	-1.80 (S) -1.80 (N) -2.72 (E)
STIN-494	N:637518.23 E:932982.97	CB 4' ø	3.80	USF 4139 FRAME USF 6002 GRATE	-4.17	15" RCP (OUT)	-2.67 (W)
STIN-495	N:637458.32 E:932969.57	CB 4'X4'	3.80	USF 4139 FRAME USF 6002 GRATE	-3.20	15" RCP (OUT)	-1.70 (W)
STIN-496	N:637204.78 E:932946.65	CB 4'X4'	3.30	USF 4139 FRAME USF 6002 GRATE	-4.90	18" RCP (IN) 18" RCP (OUT) 15" RCP (OUT)	-3.40 (S) -1.70 (N) -1.78 (E)
STIN-497	N:637205.21 E:932971.44	CB 4'X4'	3.70	USF 4139 FRAME USF 6002 GRATE	-3.25	15" RCP (IN)	-1.75 (W)
STMH-004	N:638643.44 E:931599.67	MH 6'X4'	4.82	USF 420 FRAME TYPE GL COVER	-6.00	48" RCP (IN) 15" RCP (IN) 48" RCP (OUT) 15" RCP (IN)	-4.50 (S) 0.65 (SW) -4.30 (N) 0.40 (E)
STMH-18	N:638816.61 E:930230.41	MH 6' ø	3.99	USF 420 RING TYPE GL COVER	-4.70	24" RCP (OUT) 24" RCP (IN) 15" RCP (OUT)	-3.20 (W) -2.40 (S) -2.80 (E)
STMH-19	N:638606.86 E:930236.82	MH 4' ø	3.71	USF 420 RING TYPE GL COVER	-4.20	24" RCP (OUT) 24" RCP (IN) 15" RCP (IN) 15" RCP (IN)	-2.20 (N) -2.20 (S) -2.70 (W) -2.70 (E)
STMH-21	N:638319.02 E:930327.68	MH 4' ø	3.40	USF 420 RING TYPE GL COVER	-3.75	18" RCP (OUT) 18" RCP (IN) 15" RCP (IN) 15" RCP (OUT)	-2.25 (W) -0.75 (E) 0.00 (N) 0.00 (S)
STMH-22	N:638326.45 E:930471.50	MH 4' ø	3.48	USF 420 RING TYPE GL COVER	-2.02	18" RCP (OUT) 18" RCP (IN) 15" RCP (IN) 15" RCP (OUT)	-0.52 (W) -0.52 (E) 0.00 (N) 0.00 (S)
STMH-23	N:638338.37 E:930702.20	MH 4' ø	3.57	USF 420 RING TYPE GL COVER	-1.64	18" RCP (OUT) 18" RCP (IN) 15" RCP (IN) 15" RCP (OUT)	-0.14 (W) -0.14 (E) 0.00 (N) 0.00 (S)

SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STMH-24	N:638367.74 E:931249.08	MH 4' ø	4.15	USF 420 RING TYPE GL COVER	-1.50	18" RCP (IN) 18" RCP (OUT) 15" RCP (IN) 15" RCP (OUT)	0.06 (W) 0.00 (E) 0.75 (N) 0.75 (S)
STMH-25	N:638374.08 E:931358.85	MH 4' ø	4.19	USF 420 RING TYPE GL COVER	-1.50	18" RCP (IN) 18" RCP (OUT) 15" RCP (IN) 15" RCP (OUT)	0.00 (W) 0.00 (E) 0.82 (N) 0.82 (S)
STMH-27	N:638496.79 E:931602.07	MH 6'X3.5'	4.88	USF 420 RING TYPE GL COVER	-5.90	48" RCP (IN) 48" RCP (OUT) 15" RCP (IN)	-4.40 (S) -4.30 (N) -0.10 (E)
STMH-28	N:638288.33 E:931605.06	MH 5' ø	4.62	USF 420 RING TYPE GL COVER	-5.30	30" RCP (OUT) 15" RCP (IN) 30" RCP (IN) 15" RCP (IN)	-3.80 (N) -0.30 (W) -3.80 (S) -0.10 (E)
STMH-29	N:638328.30 E:931604.86	MH 5'X5'	4.56	USF 420 RING TYPE GL COVER	-8.50	48" RCP (OUT) 30" RCP (IN) 42" RCP (IN) 18" RCP (IN)	-4.30 (N) -3.90 (S) -7.00 (E) -3.00 (W)
STMH-32	N:638050.36 E:931608.68	MH 5' ø	4.59	USF 420 RING TYPE GL COVER	-4.90	30" RCP (OUT) 15" RCP (IN) 30" RCP (IN) 15" RCP (IN)	-3.40 (N) -0.30 (W) -3.40 (S) -0.10 (E)
STMH-34	N:637659.93 E:931616.00	MH 6' ø	4.19	USF 420 RING TYPE GL COVER	-4.70	15" RCP (IN) 18" RCP (IN) 24" RCP (IN) 24" RCP (OUT)	-0.40 (NW) -3.20 (E) 12X18 ERCP -3.20 (S) -3.20 (N)
STMH-41	N:637137.34 E:931624.56	MH 4' ø	3.92	USF 420 RING TYPE GL COVER	-4.70	24" RCP (OUT) 15" RCP (IN) 24" RCP (IN) 15" RCP (IN)	-3.20 (N) 0.20 (W) -3.20 (S) 0.20 (E)
STMH-45	N:636967.36 E:931627.38	MH 5' ø	4.07	USF 420 RING TYPE GL COVER	-5.25	24" RCP (OUT) 24" RCP (IN) 18" RCP (IN) 15" RCP (IN)	-3.00 (N) -2.00 (S) -3.75 (E) 12X18 ERCP -0.85 (W)
STMH-46	N:636768.78 E:931629.32	MH 5' ø	3.94	USF 420 RING TYPE GL COVER	-5.70	24" RCP (OUT) 24" RCP (IN) 15" RCP (IN) 15" RCP (IN)	-1.60 (N) -1.40 (S) -1.20 (W) -4.20 (E)
STMH-47	N:636580.79 E:931632.32	MH 5' ø	3.75	USF 420 RING TYPE GL COVER	-5.60	24" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	-1.00 (N) -0.20 (W) -4.10 (E)
STMH-74	N:639538.91 E:932892.38	MH 6'X4.5'	5.10	USF 690 RING AG/M COVER	-3.25	24" RCP (IN) 36" RCP (OUT)	-1.75 (S) 0.23 (N)
STMH-75	N:638867.54 E:932222.53	MH 6' ø	3.76	USF 420 RING TYPE GL COVER	-6.75	36" RCP (OUT) 36" RCP (IN) 15" RCP (IN) 12" RCP (IN)	-2.10 (W) -5.25 (E) -2.20 (NE) -3.17 (S)
STMH-76	N:638858.66 E:932254.04	MH 5' ø	3.85	USF 420 RING TYPE GL COVER	-6.75	36" RCP (OUT) 36" RCP (IN)	-5.25 (W) -4.15 (E)
STMH-78	N:638864.72 E:932519.80	MH 6' ø	3.90	USF 420 RING TYPE GL COVER	-5.54	36" RCP (OUT) 36" RCP (IN) 15" RCP (IN)	-4.04 (W) -4.04 (E) -2.27 (N)
STMH-82	N:638868.47 E:932909.69	MH 4.5'X3'	2.93	USF 420 RING TYPE GL COVER	-6.94	36" RCP (IN) 24" RCP (OUT) 24" RCP (IN)	-3.65 (W) -1.70 (N) -5.44 (S)
STMH-94	N:638605.02 E:932924.95	MH 5' ø	2.75	USF 420 RING TYPE GL COVER	-6.30	24" RCP (OUT) 24" RCP (IN) 15" RCP (IN)	-4.80 (NW) -4.80 (S) -2.50 (E)
STMH-96	N:638547.05 E:932926.99	MH 4' ø	3.00	USF 420 RING TYPE GL COVER	-6.20	15" RCP (IN) 24" RCP (IN) 24" RCP (OUT)	-2.60 (E) -3.70 (S) -4.70 (N)
STMH-97	N:638363.15 E:932928.33	MH 5'X5'	3.16	USF 420 RING TYPE GL COVER	-5.00	24" RCP (OUT) 42" RCP (IN) 42" RCP (IN)	-3.50 (N) -3.50 (S) -3.25 (W)
STMH-99	N:638301.02 E:932929.29	MH 5'X5'	3.36	USF 420 RING TYPE GL COVER	-5.00	42" RCP (OUT) 24" RCP (IN) 36" RCP (IN)	-3.50 (N) -2.00 (S) -2.42 (E)
STMH-100	N:638056.60 E:932932.84	MH 5' ø	3.72	USF 420 RING TYPE GL COVER	-3.50	24" RCP (OUT) 18" RCP (IN) 18" RCP (IN)	-2.00 (N) -2.00 (S) -1.78 (E) 12X18 ERCP
STMH-102	N:637709.50 E:932938.72	MH 4' ø	3.88	USF 420 RING TYPE GL COVER	-3.50	18" RCP (OUT) 18" RCP (IN) 15" RCP (IN)	-2.00 (N) -2.00 (S) -2.00 (W)
STMH-162	N:638914.83 E:934900.06	MH 4' ø	4.94	USF 420 RING TYPE GL COVER	-0.30	15" RCP (IN) 15" RCP (OUT)	1.32 (E) 1.20 (W)
STMH-164	N:638888.91 E:934197.65	MH 5' ø	4.07	USF 420 RING TYPE GL COVER	-6.20	24" RCP (IN) 15" RCP (OUT) 24" RCP (IN)	-4.70 (E) 0.00 (W) -4.40 (N)
STMH-186	N:638351.26 E:930948.27	MH 4' ø	3.87	USF 420 RING TYPE GL COVER	-1.22	18" RCP (OUT) 18" RCP (OUT) 15" RCP (IN)	0.28 (W) 0.28 (E) 0.38 (N)
STMH-199	N:637757.51 E:931614.00	MH 5' ø	4.22	USF 420 RING TYPE GL COVER	-4.90	24" RCP (IN) 15" RCP (IN) 30" RCP (IN)	-3.20 (S) -0.05 (E) -3.40 (N)

**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD, SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)

ENGINEER:  
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DATE: 02/29/2023  
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DRAWN BY: DATE: APRIL 2021  
JSJ  
DESIGNED BY: SCALE: N/A  
TAV  
CHECKED BY: RBT  
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISITONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
SCHEDULE OF STRUCTURES -  
EDGEWOOD WEST SHEET 4

SHEET NO.  
**4C-04**  
TOTAL: 224  
CAD FILE:  
11842-4C04  
DRAWING FILE NO.  
4-142-65

BID SET



SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STMH-203	N:637862.74 E:931612.20	MH 5' Ø	4.27	USF 420 RING TYPE GL COVER	-4.90	30" RCP (OUT) 30" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	-3.20 (N) -3.40 (S) -0.40 (E) -0.40 (W)
STMH-231	N:638880.86 E:933792.21	MH 4' Ø	3.86	USF 420 RING TYPE GL COVER	-4.95	15" RCP (IN) 15" RCP (IN) 15" RCP (IN)	0.11 (E) -3.45 (S) -0.75 (N)
STMH-234	N:638884.48 E:933975.66	MH 4' Ø	3.73	USF 420 RING TYPE GL COVER	-4.95	15" RCP (IN) 15" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	0.11 (E) 0.11 (W) -0.75 (N) -3.45 (S)
STMH-259	N:638857.81 E:931843.53	MH 6' Ø	5.63	USF 420 RING TYPE GL COVER	-6.00	36" RCP (OUT) 36" RCP (IN) 15" RCP (IN) 15" RCP (IN)	-4.50 (W) -2.35 (E) -0.25 (N) -1.50 (S)
STMH-340	N:638863.30 E:932057.51	MH 6' Ø	4.15	USF 420 RING TYPE GL COVER	-6.00	36" RCP (IN) 36" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	-2.20 (E) -2.20 (W) -4.50 (S) -1.25 (N)
STMH-350	N:637153.89 E:930277.27	MH 6' Ø	2.17	USF 420 RING TYPE GL COVER	-4.10	15" RCP (IN) 18" RCP (OUT)	-2.10 (NE) -2.10 (S)
STMH-353	N:637297.37 E:931622.38	MH 5' Ø	4.05	USF 420 RING TYPE GL COVER	-5.25	24" RCP (OUT) 24" RCP (IN) 18" RCP (IN)	-2.40 (N) -3.50 (S) -3.75 (E) 12X18 ERCP
STMH-354	N:637303.79 E:931762.61	MH 4' Ø	4.00	USF 420 RING TYPE GL COVER	-1.80	15" RCP (IN) 15" RCP (IN)	-0.30 (W) -0.30 (SE)
STMH-362	N:636971.81 E:931676.23	MH 4' Ø	3.79	USF 420 RING TYPE GL COVER	-5.25	18" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	-3.75 (W) 12X18 ERCP 0.00 (E) -2.80 (N)
STMH-363	N:636977.00 E:931784.09	MH 4' Ø	3.92	USF 420 RING TYPE GL COVER	-4.30	15" RCP (OUT) 15" RCP (IN) 15" RCP (IN) 15" RCP (IN)	0.25 (W) 0.25 (E) -0.10 (S) -2.80 (N)
STMH-364	N:636981.73 E:931918.79	MH 4' Ø	4.25	USF 420 RING TYPE GL COVER	-4.00	15" RCP (OUT) 15" RCP (IN) 15" RCP (IN) 15" RCP (IN)	0.50 (W) 0.50 (E) 0.30 (S) -2.50 (N)
STMH-365	N:636987.67 E:932062.20	MH 4' Ø	4.26	USF 420 RING TYPE GL COVER	-4.10	15" RCP (OUT) 15" RCP (IN) 15" RCP (OUT)	0.76 (W) -2.60 (N) 0.50 (S)
STMH-380	N:638854.59 E:931596.46	MH 8'X4'	5.32	USF 420 RING TYPE GL COVER	-6.00	36" RCP (IN) 66" RCP (OUT) 15" RCP (IN) 48" RCP (IN)	-4.50 (E) -4.00 (N) 0.38 (W) -4.50 (S)
STMH-390	N:638883.31 E:932839.56	MH 5' Ø	3.10	USF 420 RING TYPE GL COVER	-5.15	36" RCP (IN) 36" RCP (OUT)	-3.65 (W) -3.65 (E)
STMH-412	N:638449.87 E:930241.62	MH 4' Ø	3.54	USF 420 RING TYPE GL COVER	-4.60	24" RCP (OUT) 24" RCP (IN) 15" RCP (IN) 15" RCP (IN)	-2.00 (N) -3.10 (S) -2.73 (W) -2.73 (E)
STMH-419	N:637463.54 E:931618.60	MH 5' Ø	3.91	USF 420 RING TYPE GL COVER	-4.30	24" RCP (OUT) 24" RCP (IN) 15" RCP (IN) 15" RCP (IN)	-2.80 (N) -2.80 (S) -0.35 (W) -0.35 (E)

SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STMH-420	N:638906.88 E:934562.04	MH 4' Ø	4.66	USF 420 RING TYPE GL COVER	-0.30	18" RCP (IN) 18" RCP (IN) 15" RCP (IN) 15" RCP (OUT)	1.50 (S) 12X18 ERCP 1.50 (N) 12X18 ERCP 1.20 (E) 1.20 (W)
STMH-421	N:638911.76 E:934769.58	MH 4' Ø	4.69	USF 420 RING TYPE GL COVER	-0.30	18" RCP (IN) 18" RCP (IN) 15" RCP (IN) 15" RCP (OUT)	1.75 (S) 12X18 ERCP 1.39 (N) 12X18 ERCP 1.20 (E) 1.20 (W)
STMH-422	N:638900.76 E:934257.60	MH 4' Ø	4.37	USF 420 RING TYPE GL COVER	-5.34	15" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	0.00 (N) 0.75 (E) -3.84 (SW)
STMH-423	N:638363.10 E:934250.08	MH 5' Ø	4.18	USF 420 RING TYPE GL COVER	-5.00	30" RCP (IN) 15" RCP (IN) 30" RCP (OUT)	-3.50 (S) -2.50 (E) -3.00 (N)
STMH-424	N:638365.28 E:934368.16	MH 4' Ø	3.89	USF 420 RING TYPE GL COVER	-4.00	15" RCP (IN) 15" RCP (IN) 15" RCP (IN) 15" RCP (OUT)	0.00 (S) 0.00 (N) -0.62 (E) -2.50 (W)
STMH-425	N:638367.94 E:934539.15	MH 5' Ø	3.72	USF 420 RING TYPE GL COVER	-2.12	15" RCP (IN) 15" RCP (IN) 15" RCP (IN) 15" RCP (OUT)	0.02 (SE) 0.02 (N) -0.60 (E) -0.62 (W)
STMH-438	N:638382.78 E:931509.62	MH 4' Ø	4.11	USF 420 RING TYPE GL COVER	-1.50	15" RCP (OUT) 18" RCP (IN) 15" RCP (OUT)	0.00 (S) 0.00 (W) 0.00 (N)
STMH-440	N:638373.29 E:934783.91	MH 4' Ø	3.36	USF 420 RING TYPE GL COVER	-2.18	15" RCP (OUT) 15" RCP (IN) 15" RCP (IN)	-0.60 (W) -0.68 (S) -0.60 (N)
STMH-446	N:638870.77 E:932774.81	MH 4.5'X3'	3.09	USF 420 RING TYPE GL COVER	-6.08	15" RCP (IN) 15" RCP (IN) 36" RCP (OUT) 36" RCP (OUT)	-4.58 (SE) -3.45 (N) -3.65 (W) -3.65 (E)
STMH-452	N:638014.38 E:932933.51	MH 4' Ø	3.74	USF 420 RING TYPE GL COVER	-3.50	18" RCP (IN) 18" RCP (OUT)	-2.00 (S) -2.00 (N)
STMH-480	N:638861.49 E:932378.11	MH 6' Ø	3.77	USF 420 RING TYPE GL COVER	-5.60	36" RCP (OUT) 36" RCP (IN) 18" RCP (IN)	-4.10 (W) -4.10 (E) -3.40 (S) 12X18 ERCP
STMH-488	N:639048.68 E:931592.10	MH 8'X3.5'	5.30	USF 420 RING TYPE GL COVER	-5.50	15" RCP (IN) 15" RCP (IN) 66" RCP (OUT) 66" RCP (OUT)	-0.25 (E) -0.25 (W) -4.00 (N) -4.00 (S)
STMH-489	N:639263.01 E:931588.29	MH 8'X3.5'	5.34	USF 420 RING TYPE GL COVER	-5.50	66" RCP (IN) 66" RCP (OUT) 18" RCP (IN) 15" RCP (IN)	-4.00 (S) -4.00 (N) -0.25 (E) 12X18 ERCP 0.36 (W)
STMH-499	N:636947.99 E:932950.79	MH 4' Ø	3.85	USF 420 RING TYPE GL COVER	-4.90	18" RCP (IN) 18" RCP (OUT)	-3.40 (S) -3.40 (N)
STMH-701	N:638315.08 E:930244.19	MH 5' Ø	3.70	USF 420 RING TYPE GL COVER	-4.50	24" RCP (OUT) 18" RCP (IN)	-3.00 (N) -2.50 (E)

# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD, SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023

TEL: 954-987-0066  
FAX: 954-987-2949


DRAWN BY: JSJ  
DATE: APRIL 2021

DESIGNED BY: SCALE: N/A  
TAV

CHECKED BY: RBT

FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
SCHEDULE OF STRUCTURES -  
EDGEWOOD WEST SHEET 5

SHEET NO.  
4C-05

TOTAL: 224

CAD FILE: 11842-4C05

DRAWING FILE NO. 4-142-65

BID SET



SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STIN-0100	N:639972.28 E:937174.04	CB 4' DIA.	6.50	USF 4139 FRAME USF 6002 GRATE	-2.16	18" RCP (IN) 18" RCP (IN)	-0.16 (NE) 1.34 (W)
STIN-0101	N:639970.14 E:936960.10	CB 4X4	6.45	USF 4139 FRAME USF 6002 GRATE	-2.16	18" RCP (IN) 18" RCP (OUT)	-0.16 (S) 1.34 (E)
STIN-0102	N:639940.02 E:936960.10	CB 4X4	6.00	USF 4139 FRAME USF 6002 GRATE	-2.16	18" RCP (OUT)	-0.16 (N)
STIN-0301	N:639605.92 E:937043.48	CB 4X4	6.60	USF 4139 FRAME USF 6002 GRATE	-0.46	18" RCP (IN)	1.54 (N)
STIN-0302	N:639635.00 E:937043.40	CB 4X4	6.70	USF 4139 FRAME USF 6002 GRATE	-0.46	18" RCP (OUT) 18" RCP (OUT)	1.54 (S) 1.54 (E)
STIN-0401	N:639301.60 E:937095.97	CB 4X4	6.80	USF 4139 FRAME USF 6002 GRATE	-0.90	18" RCP (OUT) 18" RCP (OUT)	1.10 (S) 1.10 (E)
STIN-0402	N:639272.76 E:937095.97	CB 4X4	6.70	USF 4139 FRAME USF 6002 GRATE	-0.90	18" RCP (IN)	1.10 (N)
STIN-0501	N:638967.98 E:937101.99	CB 4X4	6.50	USF 4139 FRAME USF 6002 GRATE	-1.76	18" RCP (OUT) 18" RCP (OUT)	0.24 (E) 0.24 (S)
STIN-0502	N:638939.50 E:937101.99	CB 4X4	6.50	USF 4139 FRAME USF 6002 GRATE	-1.76	18" RCP (IN)	0.24 (N)
STIN-0601	N:638633.39 E:937235.55	CB 4X4	6.20	USF 4139 FRAME USF 6002 GRATE	-3.43	18" RCP (IN) 18" RCP (OUT) 18" RCP (OUT)	-1.93 (S) -0.18 (E) -0.18 (W)
STIN-0602	N:638606.04 E:937235.55	CB 4X4	6.20	USF 4139 FRAME USF 6002 GRATE	-3.93	18" RCP (OUT)	-1.93 (N)
STIN-0603	N:638629.60 E:937055.55	CB 4'X4'	6.60	USF 4139 FRAME USF 6002 GRATE	-4.16	18" RCP (IN) 18" RCP (OUT)	-0.18 (E) -2.66 (S)
STIN-0604	N:638602.41 E:937055.55	CB 4'X4'	6.60	USF 4139 FRAME USF 6002 GRATE	-4.66	18" RCP (IN)	-2.66 (N)
STIN-0700	N:637979.59 E:937594.50	CB 5' DIA.	4.35	USF 4139 FRAME USF 6002 GRATE	-4.93	18" RCP (IN) 24" RCP (IN) 24" RCP (OUT)	-1.00 (W) -2.93 (S) -2.80 (N)
STIN-0701	N:637977.45 E:937511.95	CB 4X4	4.90	USF 4139 FRAME USF 6002 GRATE	-3.00	18" RCP (IN) 18" RCP (OUT) 18" RCP (IN)	-1.20 (W) -1.00 (E) -0.50 (S)
STIN-0702	N:637975.51 E:937319.94	CB 4'X4'	5.20	USF 4139 FRAME USF 6002 GRATE	-3.20	18" RCP (IN) 18" RCP (OUT) 18" RCP (OUT)	-1.20 (W) -1.20 (E) 0.00 (S)
STIN-0703	N:637973.26 E:937081.30	CB 4'X4'	5.50	USF 4139 FRAME USF 6002 GRATE	-3.20	18" RCP (IN) 18" RCP (OUT)	0.83 (SE) -1.20 (E)
STIN-0704	N:637930.97 E:937110.40	CB 4' DIA.	5.18	USF 4139 FRAME USF 6002 GRATE	-0.67	18" RCP (OUT)	0.83 (NW)
STIN-0705	N:637943.34 E:937511.95	CB 4X4	4.50	USF 4139 FRAME USF 6002 GRATE	-2.00	18" RCP (OUT)	-0.50 (N)
STIN-0706	N:637936.03 E:937319.94	CB 4'X4'	4.90	USF 4139 FRAME USF 6002 GRATE	-2.00	18" RCP (IN)	0.00 (N)
STIN-0801	N:637643.41 E:937639.71	CB 4' DIA.	5.40	USF 4139 FRAME USF 6002 GRATE	-0.60	18" RCP (IN) 18" RCP (OUT)	1.40 (W) 1.40 (E)
STIN-0802	N:637639.42 E:937392.97	CB 4X4	5.20	USF 4139 FRAME USF 6002 GRATE	-0.60	18" RCP (OUT) 18" RCP (OUT)	1.40 (W) 1.40 (E)
STIN-0803	N:637637.43 E:937294.66	CB 5'X5'	5.45	USF 4139 FRAME USF 6002 GRATE	-0.60	18" RCP (IN) 18" RCP (OUT) 12" RCP (IN)	1.40 (E) 1.40 (W) 1.20 (S)
STIN-0804	N:637635.99 E:937154.86	CB 4'X4'	5.25	USF 4139 FRAME USF 6002 GRATE	-0.60	18" RCP (IN)	1.40 (E)
STIN-1001	N:637273.53 E:937752.83	CB 4'X4'	5.05	USF 4139 FRAME USF 6002 GRATE	-2.75	18" RCP (IN) 18" RCP (OUT)	-0.75 (W) -0.75 (E)
STIN-1002	N:637270.16 E:937477.52	CB 5'X5'	5.75	USF 4139 FRAME USF 6002 GRATE	-2.75	15" RCP (OUT) 18" RCP (OUT) 18" RCP (IN)	1.25 (N) -0.75 (E) -0.75 (W)
STIN-1003	N:637268.03 E:937305.74	CB 5'X5'	5.86	USF 4139 FRAME USF 6002 GRATE	-2.75	15" RCP (OUT) 18" RCP (OUT) 18" RCP (OUT)	1.90 (N) -0.75 (E) -0.75 (W)
STIN-1004	N:637314.26 E:937305.75	CB 4X4	5.50	USF 4139 FRAME USF 6002 GRATE	0.40	15" RCP (IN)	1.90 (S)
STIN-1005	N:637266.78 E:937205.75	CB 4'X4'	5.90	USF 4139 FRAME USF 6002 GRATE	-2.75	18" RCP (IN)	-0.75 (E)
STIN-1100	N:637315.73 E:937476.49	CB 4X4	5.40	USF 4139 FRAME USF 6002 GRATE	-0.25	15" RCP (IN)	1.25 (S)
STIN-1201	N:636966.47 E:937025.49	CB 4' DIA.	5.00	USF 4139 FRAME USF 6002 GRATE	-1.00	18" RCP (IN) 18" RCP (OUT)	1.00 (E) 1.00 (W)
STIN-1202	N:636968.60 E:937190.75	CB 4X4	5.60	USF 4139 FRAME USF 6002 GRATE	-1.00	18" RCP (IN) 18" RCP (OUT)	1.00 (E) 1.00 (W)
STIN-1203	N:636970.02 E:937466.13	CB 4X4	6.10	USF 4139 FRAME USF 6002 GRATE	-1.00	18" RCP (IN) 18" RCP (OUT)	1.00 (E) 1.00 (W)

SUMMARY OF STORM DRAIN STRUCTURES							
STRUCTURE NO.	NORTHING EASTING	TYPE & SIZE	RIM EL	FRAME & GRATE OR COVER	SUMP EL	PIPE	INVERT EL
STIN-1204	N:636970.64 E:937608.87	CB 4X4	6.34	USF 4139 FRAME USF 6002 GRATE	-1.00	18" RCP (OUT) 15" RCP (IN) 18" RCP (IN)	1.00 (W) 2.41 (S) 2.32 (E)
STIN-1300	N:636659.77 E:937937.65	CB 4X4	8.05	USF 4139 FRAME USF 6002 GRATE	-0.50	18" RCP (IN) 15" RCP (IN)	1.50 (W) 4.75 (S)
STIN-1301	N:636654.57 E:937764.65	CB 4X4	6.82	USF 4139 FRAME USF 6002 GRATE	-0.50	18" RCP (IN) 18" RCP (OUT)	1.50 (W) 1.50 (E)
STIN-1302	N:636648.40 E:937478.69	CB 4X4	6.10	USF 4139 FRAME USF 6002 GRATE	-0.50	18" RCP (OUT)	1.50 (E)
STIN-1400	N:640225.97 E:936885.64	CB 6' DIA.	5.55	USF 4156 FRAME USF 6241 GRATE	-1.15	24" RCP (OUT) 24" RCP (IN)	0.85 (S) 0.87 (W)
STMH-0200	N:640012.32 E:937197.16	MH 6' ø	6.92	USF 420 RING TYPE GL COVER	-1.66	18" RCP (OUT) 24" RCP (IN) 24" RCP (OUT)	-0.16 (SW) 1.59 (N) 1.59 (S)
STMH-0300	N:639638.99 E:937269.01	MH 5' ø	6.24	USF 420 RING TYPE GL COVER	-3.85	18" RCP (IN) 24" RCP (OUT) 24" RCP (IN)	1.54 (W) -1.85 (S) -1.69 (N)
STMH-0400	N:639306.75 E:937334.31	MH 5' ø	5.94	USF 420 RING TYPE GL COVER	-4.00	18" RCP (IN) 24" RCP (IN) 24" RCP (OUT)	1.10 (W) -2.00 (S) -2.00 (N)
STMH-0500	N:638973.78 E:937397.94	MH 5' ø	6.56	USF 420 RING TYPE GL COVER	-3.70	24" RCP (IN) 18" RCP (IN) 24" RCP (OUT)	-1.70 (S) 0.24 (W) -1.70 (N)
STMH-0600	N:638637.49 E:937465.87	MH 5' ø	5.51	USF 420 RING TYPE GL COVER	-3.95	18" RCP (IN) 24" RCP (IN) 24" RCP (IN)	-0.18 (W) -1.95 (N) -1.95 (S)
STMH-0800	N:637643.99 E:937663.51	MH 5' ø	6.08	USF 420 RING TYPE GL COVER	-3.10	18" RCP (IN) 24" RCP (OUT) 24" RCP (OUT)	1.40 (W) -1.60 (N) -1.60 (S)
STMH-1000	N:637274.07 E:937796.34	MH 6' ø	5.10	USF 420 RING TYPE GL COVER	-4.00	18" RCP (IN) 24" RCP (IN) 24" RCP (IN)	-0.75 (W) -2.00 (NW) -2.00 (SE)
STMH-1200	N:636964.26 E:936942.65	MH 4' ø	5.39	USF 420 RING TYPE GL COVER	-0.60	18" RCP (IN) 18" RCP (IN) 18" RCP (OUT)	1.00 (E) 0.90 (S) 0.90 (N)
STMH-1500	N:640190.55 E:937161.82	MH 6' ø	6.00	USF 230 RING TYPE AA COVER	0.50	24" RCP (OUT) 24" RCP (IN)	2.00 (S) 2.00 (N)
STMH-1600	N:640123.16 E:937251.91	MH 5' ø	6.60	USF 230 RING TYPE AA COVER	-0.05	18" RCP (OUT) 18" RCP (IN)	1.45 (S) 1.45 (N)

# Hazen


HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD, SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ELEVATIONS SHOWN HEREON ARE  
BASED ON THE NORTH AMERICAN  
VERTICAL DATUM 1988 (NAVD 1988)

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 02/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: DATE: APRIL 2021  
CEW  
DESIGNED BY: SCALE: 1"=20'  
LZM  
CHECKED BY: LMS  
FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISITONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
SCHEDULE OF STRUCTURES -  
EDGEWOOD EAST SHEET 1

SHEET NO.  
4C-06

TOTAL: 224

CAD FILE:  
11842-4C06

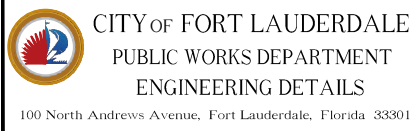
DRAWING FILE NO.  
4-142-65

BID SET



TRAFFIC CONTROL PLAN NOTES:

1. THE TRAFFIC CONTROL PLANS FOR THE PROJECT SHALL COMPLY WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, INDEX NO. 600-660, MUTCD AND THE STANDARD SPECIFICATIONS. THE CONTRACTOR'S RESPONSE TIME TO ALL REPORTED MALFUNCTIONS OF TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS SHALL BE NO MORE THAN TWO (2) HOURS AND SHALL RESTORE ALL MALFUNCTIONING TRAFFIC SIGNAL EQUIPMENT TO ITS LEVEL OF OPERATION PRIOR TO THE MALFUNCTIONING WITHIN TWENTY-FOUR (24) HOURS. DURING THIS TIME THE CONTRACTOR SHALL PROVIDE AT HIS EXPENSE TEMPORARY TRAFFIC CONTROL DEVICES, FLAGGER PERSONNEL AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW OF TRAFFIC AT THE AFFECTED WORK ZONE. THE ENGINEER OR THE CITY OF FORT LAUDERDALE SHALL APPROVE ALL MODIFICATIONS PRIOR TO THEIR IMPLEMENTATION.
2. THE CONTRACTOR SHALL MAINTAIN PROPER OPERATION OF ALL TRAFFIC SIGNAL LOOP ASSEMBLIES AND LOOP DETECTORS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL CORRECT ALL LOOP ASSEMBLY/DETECTOR MALFUNCTIONS WITHIN 24 HOURS OF NOTIFICATION OF SUCH MALFUNCTIONS BY THE ENGINEER.
3. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING.
4. A REGULATORY SPEED OF 25 MPH SHALL BE POSTED WITHIN THE LIMITS OF THE WORK ZONE.
5. EXISTING SIGNS AND PAVEMENT MARKINGS THAT CONFLICT WITH CONSTRUCTION SIGNS AND MARKINGS SHALL BE REMOVED DURING CONSTRUCTION. ALL EXISTING SIGNS THAT ARE REMOVED SHALL BE STOCKPILED IN A SECURE PLACE AND REINSTALLED AFTER CONSTRUCTION. REMOVE AND REPLACE ANY GROUND MOUNT SIGN BY USE OF FDOT INDEX LATEST EDITION.
6. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AND PREVENT ADVERSE FLOODING OF THE TRAVEL LANES DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM THE CITY OF FORT LAUDERDALE FOR ANY AND ALL CONSTRUCTION ACTIVITIES TO BE PERFORMED AT NIGHT. NO LANE CLOSURE SHALL BE ALLOWED BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM, MONDAY THROUGH FRIDAY UNLESS APPROVED BY THE ENGINEER.
8. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. SEE SPECS FOR LIST OF UTILITY COMPANIES.
9. TRAFFIC CONTROL ON ALL COUNTY RIGHTS-OF-WAY SHALL MEET THE ADDITIONAL REQUIREMENTS OF THE BROWARD COUNTY ENGINEERING DEPARTMENT.
10. CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC PLAN (MOT) WHERE REQUIRED BY FEDERAL, STATE, COUNTY, OR LOCAL AGENCIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS AND PERMITS ASSOCIATED WITH THE MOT'S. ALL MOT'S TO BE ATS CERTIFIED.
11. THE CONTRACTOR SHALL ALSO COORDINATE THE CONSTRUCTION SCHEDULE WITH FDOT, BROWARD COUNTY AND THE CITY OF FORT LAUDERDALE TO AVOID LANE CLOSURES WHICH WOULD ADVERSELY AFFECT TRAFFIC DURING RUSH HOUR.



TRAFFIC CONTROL PLAN NOTES



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

BROWARD COUNTY COMMUNICATION NOTES:

1. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ALL SYSTEM COMMUNICATIONS EQUIPMENT, CABLING AND RELATED MATERIAL SHALL COMPLY WITH BROWARD COUNTY'S LATEST EDITION OF THE MINIMUM STANDARDS AS EXPRESSED IN THE "STANDARDS AND SPECIFICATIONS - COMMUNICATION INFRASTRUCTURE" DOCUMENT. PLEASE REFER TO (BCTED'S) COMMUNICATIONS POLICIES AND PROCEDURES FOR ADDITIONAL INFORMATION. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WILL NOT ACCEPT ANY PROJECTS THAT DO NOT MEET THESE STANDARDS AND SPECIFICATIONS. IF FIBER OPTIC PULL BOXES ALREADY EXIST AT AN INTERSECTION, NO ADDITIONAL FIBER OPTIC PULL BOXES WILL NEED TO BE INSTALLED. FOR A COPY OF THESE STANDARDS REFER TO THE BROWARD COUNTY WEB SITE AT [WWW.BROWARD.ORG/TRAFFIC](http://WWW.BROWARD.ORG/TRAFFIC) UNDER PUBLICATIONS.
2. IF THERE ARE COPPER INTERCONNECT CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1,500 FEET OF YOUR PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT [TECOMMUNICATIONS@BROWARD.ORG](mailto:TECOMMUNICATIONS@BROWARD.ORG) OR 954-847-2745.
3. IF THERE ARE FIBER OPTIC CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1,500 FEET OF YOUR PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT [TECOMMUNICATIONS@BROWARD.ORG](mailto:TECOMMUNICATIONS@BROWARD.ORG) OR 954-847-2745.
4. IF THERE ARE CELLULAR COMMUNICATIONS WITHIN YOUR PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT [TECOMMUNICATIONS@BROWARD.ORG](mailto:TECOMMUNICATIONS@BROWARD.ORG) OR 954-847-2745.
5. ALL BCTED COMMUNICATIONS CABLES/CONDUIT SHALL BE LOCATED A MINIMUM OF 48 HOURS IN ADVANCE.

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION  
PROCEDURE FOR NOTIFICATION OF COMMUNICATION DISRUPTION

COPPER INTERCONNECT CABLE NOTIFICATION CONTACT PERSON:

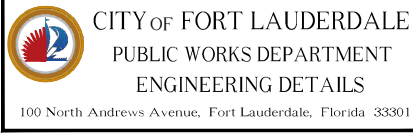
WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE TRAFFIC SIGNAL TECHNICIAN III AT [TECOMMUNICATIONS@BROWARD.ORG](mailto:TECOMMUNICATIONS@BROWARD.ORG). NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00 PM.

FIBER OPTIC CABLE NOTIFICATION CONTACT PERSON:

WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE COMMUNICATIONS MANAGER AT [TECOMMUNICATIONS@BROWARD.ORG](mailto:TECOMMUNICATIONS@BROWARD.ORG). NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00 PM.

UTILITY OWNER CONTACT PERSON:

INTERCONNECT COMMUNICATIONS CABLES - (ROBERT BLOUNT) BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) 954-847-2745



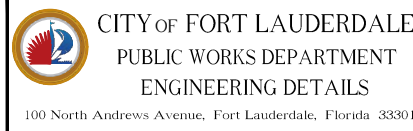
BROWARD COUNTY COMMUNICATION NOTES



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

FDOT GENERAL NOTES:

1. ALL MATERIALS AND CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION. STANDARD SPECIFICATIONS AND THE SUPPLEMENTS THERETO.
2. THE APPLICANT'S ENGINEER RESPONSIBLE FOR CONSTRUCTION INSPECTION SHALL INSURE THAT THE MAINTENANCE OF TRAFFIC PLAN (MOT) FOR THE PROJECT IS IN ACCORDANCE WITH THE APPLICABLE FDOT INDEX LATEST EDITION AND THIS DOCUMENT: THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (D.S. DEPARTMENT OF TRANSPORTATION, FHWA).
3. AT THE END OF EACH WORK PERIOD, ANY DROP-OFF IN THE AREA ADJACENT TO THE TRAVEL WAY OF THE STATE ROAD SHALL BE BACKFILLED IN ACCORDANCE WITH FDOT INDEX LATEST EDITION OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRIER WALL AT THE CONTRACTOR'S EXPENSE.
4. IF THE PERMITTED WORK IS ON A ROADWAY THAT HAS BEEN SELECTED AS A HURRICANE OR DISASTER EVACUATION ROUTE, THE APPLICANT, AT THE PRE-CONSTRUCTION CONFERENCE IS REQUIRED TO PRESENT, AS PART OF THE WORK PLAN, AN EMERGENCY FUNCTIONAL RESTORATION PLAN TO ADDRESS EVENTUALITIES SUCH AS HURRICANES.
5. THE CONTRACTOR MUST CALL THE APPROPRIATE COUNTY TRAFFIC ENGINEERING DIVISION, HAVING JURISDICTION OVER THE PROJECT AT LEAST 48 HOURS, BEFORE ANY EXCAVATION WITHIN THE FDOT RIGHT-OF-WAY TO DETERMINE THE LOCATION OF THE EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE.
6. THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR WILL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.
7. BEFORE PERMIT APPROVAL AND CONSTRUCTION OF THIS PROJECT, THE APPLICANT MUST CONTACT THE FLORIDA DEPARTMENT OF TRANSPORTATION LOCAL MAINTENANCE OFFICE TO SCHEDULE A PRE-CONSTRUCTION MEETING. THE TELEPHONE NUMBER IS 954-776-4300 OR 1-800-300-8236. THE APPLICANT AT THE EARLIEST CONVENIENT TIME SHALL NOTIFY IN WRITING ALL RIGHT-OF-WAY USERS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
8. ALL MOT LANE CLOSURE SIGNS SHALL BE COVERED WHEN LANES ARE NOT CLOSED, NO LANES ARE TO BE CLOSED EXCEPT AT TIMES PRESCRIBED BY THE DEPARTMENT.
9. SODDING SHALL BE IN ACCORDANCE WITH SECTION 575.
10. ALL CURB CUT RAMPS MUST FACE IN THE DIRECTION OF PEDESTRIAN TRAVEL.
11. SPECIFY THE ALPHANUMERIC IDENTIFICATION FOR THE CURB CUT RAMPS PER FDOT INDEX LATEST EDITION. A COPY OF THE APPROPRIATE DETAIL(S) MUST BE SHOWN ON THE PLANS.
12. FLAGGERS MUST BE PRESENT DURING THE INGRESS AND EGRESS OF CONSTRUCTION VEHICLES TO AND FROM THE PROJECT SITE. WARNING SIGNS MUST BE ERECTED ADVISING MOTORIST OF TRUCKS ENTERING THE HIGHWAY.



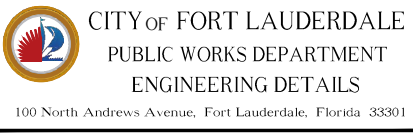
FDOT GENERAL NOTES



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DRAINAGE NOTES:

1. DRAINAGE PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) OR REINFORCED CONCRETE (RCP). THE USE OF RCP PIPE FOR PUBLIC ROADWAY CROSSINGS IS PREFERRED.
2. CATCH BASINS, INLETS AND JUNCTION BOXES SHALL NOT BE INSTALLED IN DRIVEWAYS.
3. PRIOR TO BACKFILLING EXFILTRATION TRENCHES, DRAINAGE INLETS OR MANHOLES, THE CONTRACTOR SHALL NOTIFY THE ENGINEERING INSPECTOR FOR AN INSPECTION.
4. DRAINAGE STRUCTURES SHALL BE CLEANED PRIOR TO ACCEPTANCE BY CITY.
5. ALL PIPES SHALL BE LAID IN DRY TRENCH. ALL MUCK OR UNSUITABLE MATERIALS IN TRENCHES, INLETS OR MANHOLES SHALL BE REMOVED AND BACKFILLED WITH SELECTED MATERIAL APPROVED BY THE ENGINEER.
6. MINIMUM COVER FOR HDPE PIPE UNDER ASPHALT SHALL BE 24-INCH COMPACTED LIMEROCK BASE. MINIMUM COVER FOR PIPE UNDER GRASS SHALL BE 18" COMPACTED SUBGRADE.
7. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AND PREVENT ADVERSE FLOODING OF THE TRAVEL LANES DURING CONSTRUCTION.
8. MAINTENANCE ACCESS SHALL BE PROVIDED ON BOTH SIDES OF EXFILTRATION TRENCHES IN THE FORM OF MANHOLES OR CATCH BASINS. THE MAXIMUM DISTANCE BETWEEN STORM STRUCTURES SHALL NOT EXCEED THREE HUNDRED (300) FEET).
9. ALL EXFILTRATION SYSTEMS SHALL BE DESIGNED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION DOCUMENT TITLED "DRAINAGE DESIGN GUIDE", LATEST EDITION.
10. GEOTEXTILE MATERIALS USED IN THE CONSTRUCTION OF EXFILTRATION TRENCHES SHALL BE IN ACCORDANCE WITH THE CRITERIA OF FLORIDA DEPARTMENT OF TRANSPORTATION'S DESIGN STANDARDS LATEST EDITION AND CITY OF FORT LAUDERDALE'S SPECIFICATIONS.



DRAINAGE NOTES

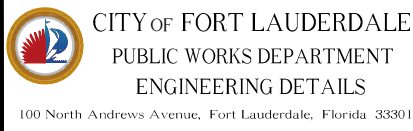


CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

BROWARD COUNTY SCHOOL MAINTENANCE OF TRAFFIC NOTES:

1. THE MAINTENANCE OF TRAFFIC PLAN, PROVIDED BY THE CONTRACTOR, SHALL INCLUDE PROVISIONS FOR PEDESTRIAN AND/OR SCHOOL STUDENT TRAFFIC AS WELL AS VEHICULAR TRAFFIC. THE FOLLOWING ARE MINIMUM REQUIREMENTS:
2. THE SAFE WALK ROUTE FOR ALL SCHOOL STUDENTS WITHIN THE VICINITY OF THE CONSTRUCTION ZONE SHALL BE MAINTAINED DURING STUDENT ARRIVAL AND DISMISSAL TIMES. IF THE CURRENT WALKING SURFACE CANNOT BE MAINTAINED, THEN A TEMPORARY WALKABLE SURFACE SHALL BE CREATED. THE SAFE WALK ROUTE SHALL BE SEPARATED FROM THE CONSTRUCTION ACTIVITY DURING THE ENTIRE LENGTH OF THE PROJECT ENCOMPASSING THE ENTIRE WALK ROUTE WITH PROPER PEDESTRIAN OPENINGS AT DESIGNATED CROSSINGS IN COMPLIANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION AS WELL AS MEETING ALL ADA REQUIREMENTS.
3. ALL CONSTRUCTION EQUIPMENT ACTIVITY AROUND ANY DESIGNATED CROSSWALK SHALL CEASE TO OPERATE DURING THE STUDENT ARRIVAL AND DISMISSAL TIMES. ALL CONSTRUCTION EQUIPMENT ACTIVITY ADJACENT TO A DESIGNATED WALK ROUTE SHALL CEASE OPERATING UNLESS SATISFACTORILY BARRICADED FROM THE WALK ROUTE.
4. IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE CANNOT BE MAINTAINED, THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2600, A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO CLOSING THAT ROUTE IN ORDER TO ESTABLISH AN ALTERNATE CROSSING/ROUTE.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ANY NECESSARY PAVEMENT, ROAD ROCK, PAVEMENT MARKINGS AND SIGNAGE AND/OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN EXISTING OR ALTERNATE WALK ROUTE THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE STATE CERTIFIED SCHOOL CROSSING GUARDS OR OFF DUTY POLICE OFFICERS TO CROSS STUDENTS AT ALL LOCATIONS OTHER THAN THOSE PREVIOUSLY DESIGNATED. THE CONTRACTOR MAY USE FLAGMEN, BUT ONLY IF THEY ARE STATE CERTIFIED AS A SCHOOL CROSSING GUARD.
7. THIRTY (30) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2600 OR AT [BROWARD@TRAFFIC.ORG](mailto:BROWARD@TRAFFIC.ORG) TO DISCUSS ALL NECESSARY SAFETY MEASURES.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE FOLLOWING BROWARD COUNTY SCHOOL BOARD PUPIL TRANSPORTATION DEPARTMENT PERSONNEL IF CONSTRUCTION WILL IMPACT ANY BUS ROUTES:

NAME	SECTION	PHONE	EMAIL
RUTH MASTERS	ROUTING	(754) 321-4400 EXT. # 2309	RUTH.MASTERS@BROWA RDSCHOOLS.COM
VINCENT HARRELL	STUDENT TRANSPORTATION & FLEET SERVICE	(754) 321-4472	VINCENT.HARRELL@BRO WARDSCHOOLS.COM
MARY TOCHTERMANN	STUDENT TRANSPORTATION & FLEET SERVICE	(754) 321-4400 EXT. # 2006	MARY.TOCHTERMANN@B ROWARDSCHOOLS.COM



BROWARD COUNTY SCHOOL MOT NOTES  
SHEET 1

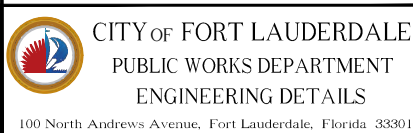


CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

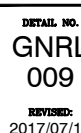
DEMOLITION NOTES:

GENERAL DEMOLITION SPECIFICATIONS:

1. THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY.
2. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES AND OTHER FEATURES AFFECTING THE WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MIGHT IMPACT THE WORK.
3. CHAPTER 553.851 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL UTILITIES A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO EXCAVATING.
4. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES BEFORE EXCAVATION.
5. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION, AND EQUIPMENT REQUIRED FOR THE ORDERLY DEMOLITION AND REMOVAL OF EXISTING STRUCTURES, PAVEMENT AND UTILITIES AS SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN.
6. THE CONTRACTOR IS REQUIRED TO FAMILIARIZE HIMSELF WITH THE STRUCTURES TO BE DEMOLISHED.
7. THE FOLLOWING LIST OF STRUCTURES REQUIRING DEMOLITION IS INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE DRAWINGS INDICATE THE SCOPE OF DEMOLITION WHERE DEMOLITION IS REQUIRED.
  - 7.1. DEMOLITION AND REMOVAL OF A 5' MIN ± STRIP OF EXISTING ON-SITE ASPHALT, CONCRETE AND CURBING AROUND THE PERIMETER OF THE EXISTING STRUCTURES AND UTILITIES BEING DEMOLISHED.
  - 7.2. REMOVAL OF EXISTING ON-SITE ABOVEGROUND AND UNDERGROUND UTILITIES, INCLUDING REMOVAL OR PLUGGING OF EXISTING UTILITIES AS SHOWN ON PLANS.
8. PRIOR TO REMOVAL OF ANY UNDERGROUND TANK AND OTHER COMPONENT, CONTRACTOR MUST COMPLETELY DRAIN THE SYSTEMS TO AN APPROVED SANITATION TANK FOR DISPOSAL TO AN APPROVED LOCATION, AS REQUIRED BY DISPOSAL PERMIT.
9. PROTECT ALL UTILITIES, UNLESS OTHERWISE NOTED.
10. ALL THE CONCRETE AND PAVEMENT TO BE REMOVED MUST BE SAW CUT CLEAN PRIOR TO REMOVAL.
11. WET DOWN MASONRY WALLS AND DEBRIS DURING DEMOLITION AND LOADING OPERATIONS TO PREVENT THE SPREAD OF DUST (AS APPLICABLE TO PROJECT).
12. ALL EXISTING STRUCTURES, PAVEMENTS, SLABS, FOUNDATIONS, STEPS AND OTHER ON-SITE EXISTING FEATURES INDICATED ON THE DRAWINGS TO BE REMOVED SHALL BE DEMOLISHED AND REMOVED BY THE CONTRACTOR (AS APPLICABLE TO PROJECT).



DEMOLITION NOTES  
SHEET 1



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD, SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No. 44165  
DATE: 06/29/2023

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY:	CEW	DATE:	APRIL 2021
DESIGNED BY:	CEW	SCALE:	N/A
CHECKED BY:	LMS	FIELD BOOK:	N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301



REVISITONS		DESCRIPTION	
NO.	DATE	BY	CHD



PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
GENERAL NOTES AND DETAILS -  
SHEET 1



SHEET NO.	224
TOTAL:	224
CAD FILE:	11842-GC01
DRAWING FILE NO.	4-142-65



BID SET







<div>13. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ON THE DRAWINGS ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.</div> <div>14. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO REMOVAL OR RELOCATION OF ANY ELECTRICAL, TELEPHONE, CABLE AND/OR GAS LINES. SUFFICIENT TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.</div> <div>15. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER/ENGINEER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINANT IS ENCOUNTERED DURING THE DEMOLITION/EXCAVATION PROCESS.</div> <div>16. FILL FOR LOWER LEVELS OF DEMOLISHED STRUCTURES MAY INCLUDE CONCRETE OR MASONRY RUBBLE RESULTING FROM DEMOLITION, SUBJECT TO THE ENGINEER'S/ARCHITECT'S APPROVAL. RUBBLE SHALL PASS THROUGH A THREE-INCH RING.</div> <div>17. REMOVE AND LEGALLY DISPOSE OF ALL OTHER RUBBISH, RUBBLE, AND DEBRIS. COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS GOVERNING DISPOSAL OF WASTES AND DEBRIS.</div> <div>18. MAINTAIN ACCESS TO SURROUNDING PROPERTIES AND BUILDINGS.</div> <div>19. PRIOR TO DEMOLITION OCCURRING ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.</div> <div>20. ALL TRAFFIC SIGNS OUTSIDE THE DEMOLITION AREA ARE TO REMAIN UNLESS OTHERWISE SPECIFIED.</div> <div>21. ANY MUCK ENCOUNTERED UNDER PROPOSED STRUCTURES SHALL BE REMOVED TO FIVE-FEET BEYOND THE FOOTPRINT OF THAT STRUCTURE. BACKFILL WITH APPROVED FILL MATERIAL SATISFYING ALL COMPACTION REQUIREMENTS.</div> <div>22. ALL EXISTING UTILITIES WITHIN THE DEMOLITION SITE AREA SHALL BE ADJUSTED, REMOVED OR RELOCATED AT THE CONTRACTOR'S EXPENSE. WORK SHALL BE COORDINATED BY THE CONTRACTOR DIRECTLY WITH THE APPROPRIATE UTILITY COMPANY. ALL EXPENSES SHALL BE INCLUDED IN THE CONTRACTOR'S BID.</div> <div>23. ALL TRASH, DEBRIS AND OTHER MATERIAL REMOVED FROM THE SITE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.</div>		
<div><div></div><div>CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small></div></div>	<div>DEMOLITION NOTES SHEET 2</div>	<div><div></div><div>GNRL 009 <small>REVISED: 2017/07/13</small></div></div>

<div>DEMOLITION PERMITTING:</div> <div>1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY REQUIRED PERMITS FOR DEMOLITION FROM RESPONSIBLE REGULATORY AGENCIES WHILE FULLY ACKNOWLEDGING AND COMPLYING WITH ALL REQUIREMENTS PRIOR TO COMMENCING DEMOLITION WORK.</div> <div>2. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE EXTENT OF DEMOLITION, RECYCLING OR REUSE REQUIRED TO PERFORM THE CONTRACT WORK FOR THIS PROJECT. THE CONTRACTOR SHALL CONDUCT SITE VISITS AND SHALL EXAMINE ALL THE INFORMATION WITHIN THESE DOCUMENTS. ALL DISCREPANCIES AND/OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID SUBMITTAL.</div> <div>3. THE CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO COMMENCEMENT OF ANY WORK. ACTUAL REMOVAL AND/OR RELOCATION OF ALL EXISTING LANDSCAPING WITHIN DEMOLITION AREAS TO BE CONDUCTED BY A LANDSCAPE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE SITEWORK DEMOLITION CONTRACTOR TO COORDINATE DEMOLITION ACTIVITIES WITH THE LANDSCAPE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PRESERVING TREES AS INDICATED ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TREE REMOVAL PERMIT OR ANY OTHER APPLICABLE PERMIT TO REMOVE, RELOCATE, OR PRESERVE EXISTING LANDSCAPE AND TREES.</div> <div>4. ANY TREES FOR REMOVAL FOUND TO BE GREATER THAN OR EQUAL TO THREE (3) INCHES IN DIAMETER AT BREAST HEIGHT (DBH) SHALL REQUIRE A PERMIT WITH THE BROWARD COUNTY ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT (BCEPGMD).</div> <div>5. SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE THE LIGHTING, STORM INLET STRUCTURES, OR OTHER STRUCTURES DESIGNATED TO BE SAVED, THEN THE CONTRACTOR SHALL PROVIDE NEW MATERIALS/STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.</div>		
<div><div></div><div>CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small></div></div>	<div>DEMOLITION NOTES SHEET 5</div>	<div><div></div><div>GNRL 009 <small>REVISED: 2017/07/13</small></div></div>

<div>PRE-DEMOLITION RESPONSIBILITIES:</div> <div>1. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRE-DEMOLITION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, THE ENGINEER AND THE CONTRACTOR.</div> <div>2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A DEMOLITION SCHEDULE DEPICTING EACH PHASE OF THE WORK.</div> <div>3. PRIOR TO DEMOLITION, CONTRACTOR TO PROVIDE FOR THE OWNER A LISTING OF THE FACILITIES THE CONTRACTOR SHALL UTILIZE FOR RECYCLING AND DISPOSAL OF SPECIFIC MATERIALS. CONTRACTOR TO INDICATE THE MATERIALS INTENDED FOR RECYCLING AND THE MATERIALS INTENDED FOR DISPOSAL FOR OWNER'S APPROVAL.</div> <div>4. PRIOR TO DEMOLITION, CONTRACTOR TO PROVIDE THE OWNER SKETCHES SHOWING PROPOSED HAULING ROUTES TO RECYCLING AND DISPOSAL FACILITIES FOR APPROVAL.</div> <div>5. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF DEMOLITION.</div> <div>6. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE CITY AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.</div> <div>7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.</div> <div>8. THE LOCATIONS OF EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY.</div> <div>9. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL FIELD LOCATE EXISTING UNDERGROUND UTILITIES WITH THE UTILITY OWNERS.</div> <div>10. THE CONTRACTOR IS RESPONSIBLE FOR RELOCATION'S OF THE VARIOUS EXISTING UTILITIES WITH THE UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY MANNER TO MINIMIZE IMPACT ON DEMOLITION SCHEDULE. ANY DELAY CAUSED BY THE CONTRACTOR BY THE RELOCATION OF UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.</div> <div>11. SUNSHINE STATE ONE CALL OF FLORIDA, INC. REQUIRES THE CONTRACTOR TO CALL TWO (2) FULL BUSINESS DAYS (BUT NOT MORE THAN FIVE) PRIOR TO BREAKING GROUND TO FIND OUT WHERE BURIED FACILITIES (ELECTRICAL, GAS, TELEPHONE, CABLE, WATER) ARE LOCATED.</div>		
<div><div></div><div>CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small></div></div>	<div>DEMOLITION NOTES SHEET 3</div>	<div><div></div><div>GNRL 009 <small>REVISED: 2017/07/13</small></div></div>

<div>DEMOLITION EROSION AND SEDIMENT CONTROL NOTES:</div> <div>1. THE SCHEDULING, SEQUENCING AND CONTROL MEASURES, WHICH ARE OUTLINED HEREIN, ARE SUBJECT TO THE FINAL DEFINITION BY THE CONTRACTOR WHO SHALL BE SELECTED TO PERFORM THE WORK AND SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND COMPLIANCE.</div> <div>2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A DEMOLITION SCHEDULE DEPICTING EACH PHASE OF THE WORK. THE CONTRACTOR SHALL ALSO BE REQUIRED TO SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN ENCOMPASSING THE PRINCIPALS AND THE REQUIREMENTS DESCRIBED HEREIN AND A SCHEDULE FOR THEIR IMPLEMENTATION AND MAINTENANCE FOR THE PROJECT DURATION.</div> <div>3. DURING DEMOLITION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO ENSURE AGAINST POLLUTING, SILTATION OR DISTURBANCE TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING DRAINAGE SYSTEMS AND ADJACENT WATER BODIES AND WETLANDS, IN COMPLIANCE WITH ALL PERMIT REQUIREMENTS RELATED TO SUCH MEASURES.</div> <div>4. METHODS MAY INCLUDE TEMPORARY EROSION AND SEDIMENT CONTROLS SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, SILT BARRIERS, SILT SCREENS, TURBIDITY BARRIERS OR THE BEST MANAGEMENT PRACTICES AVAILABLE TO THE INDUSTRY.</div> <div>5. EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE MAINTAINED THROUGHOUT THE DEMOLITION PERIOD AND UNTIL NEW VEGETATIVE GROWTH HAS BEEN ESTABLISHED.</div> <div>6. THROUGHOUT THE DEMOLITION PERIOD, THE CONTRACTOR SHALL INSPECT DAILY THE EROSION AND SEDIMENT CONTROL INSTALLATIONS FOR FAILURE OR SIGNS OF FAILURE OR MALFUNCTION. REPAIR OR REPLACE THE EROSION AND SEDIMENT CONTROL INSTALLATIONS IMMEDIATELY UPON DISCOVERY OF FAILURE OR MALFUNCTION.</div> <div>7. INLETS AND CATCH BASINS, EXISTING ON-SITE AND OFF-SITE, SHALL BE PROTECTED FROM SEDIMENT STORM RUNOFF.</div> <div>8. THE CONTRACTOR SHALL PROMPTLY REMOVE ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC ROADS AND FACILITIES DUE TO DEMOLITION.</div> <div>9. DEWATERING ACTIVITIES SHALL NOT RESULT IN ANY DISCHARGE OF TURBID WATER FROM THE PROJECT SITE WITHOUT PROPER EROSION AND SEDIMENT CONTROL AND APPROVAL FROM ENGINEER.</div> <div>10. PHASING OF EROSION CONTROL DEMOLITION SHALL BE RECOMMENDED AS FOLLOWS:<div><div>10.1. PLACEMENT OF PERIMETER PROTECTIVE MEASURES (SILT FENCE, HAY BALES, TURBIDITY BARRIERS, ETC.) AROUND ON-SITE FEATURES TO BE RETAINED, AT POINTS OF OFF-SITE DISCHARGE AND AROUND WORK AREAS TO BE EXCAVATED OR FILLED.</div><div>10.2. REROUTE RUNOFF FROM AREAS OUTSIDE OF THE DEMOLITION AREA TO MINIMIZE FLOW THROUGH AREAS TO BE DISTURBED BY DEMOLITION, BERMS, SWALES AND OTHER MEANS USED FOR SUCH CONVEYANCE SHALL BE VEGETATED AND MEASURES TAKEN TO PROVIDE PROTECTION UNTIL STABILIZATION OCCURS (AS APPLICABLE TO THE PROJECT).</div></div></div>		
<div><div></div><div>CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small></div></div>	<div>DEMOLITION NOTES SHEET 6</div>	<div><div></div><div>GNRL 009 <small>REVISED: 2017/07/13</small></div></div>

<div>DEMOLITION SAFETY:</div> <div>1. ALL DEMOLITION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.</div> <div>2. PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES. EXECUTE THE WORK IN A MANNER TO AVOID HAZARDS TO PERSONS AND PROPERTY AND PREVENT INTERFERENCE WITH THE USE OF AND ACCESS TO ADJACENT BUILDINGS, STREETS AND SIDEWALKS SHALL NOT BE UNNECESSARILY BLOCKED BY DEBRIS AND EQUIPMENT.</div> <div>3. BUILDING MATERIALS TO BE REMOVED SHALL BE TESTED FOR ASBESTOS AND LEAD PAINT.</div> <div>4. IF PETROLEUM PRODUCTS ARE FOUND WHILE DEMOLISHING, DISPOSE OF PETROLEUM WASTE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.</div>		
<div>PAVEMENT DEMOLITION:</div> <div>1. WHERE EXISTING PAVEMENT IS TO BE REMOVED, SAW-CUT THE SURFACING LEAVING A UNIFORM AND STRAIGHT EDGE WITH MINIMUM DISTURBANCE TO THE REMAINING ADJACENT SURFACING. IF DEMOLITION RESULTS IN RAVELING OF SAW CUT SURFACE, RECUT BACK FROM THE RAVELED EDGE PRIOR TO RESTORATION.</div> <div>2. WHERE EXISTING PAVEMENT, CURB, CURB AND GUTTER, SIDEWALK, DRIVEWAY, OR VALLEY GUTTER IS REMOVED FOR INLETS, MANHOLES, APPURTENANCES, FACILITIES OR STRUCTURES, SAID PAVEMENT, ETC., SHALL BE REPLACED WITH NEW PAVEMENT, ETC. CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPPLIES, AND OTHER EQUIPMENT AS REQUIRED.</div> <div>3. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THE DRAWINGS. HOWEVER, IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, SIDEWALK, BUILDINGS, UTILITIES, ETC., THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPLACEMENT. REPLACEMENT PAVEMENT, SIDEWALK, ETC., SHALL BE NEW.</div>		
<div><div></div><div>CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small></div></div>	<div>DEMOLITION NOTES SHEET 4</div>	<div><div></div><div>GNRL 009 <small>REVISED: 2017/07/13</small></div></div>


<div>10.3 SELECT LOCATIONS FOR PLACEMENT OF EXCAVATED MATERIAL, WHERE SUITABLE FOR FILL OR UNSUITABLE MATERIAL, AND CONSTRUCT CONTAINMENT BERMS AROUND THE AREA. THE USE OF STRIPING FOR THIS PURPOSE MAY ACCELERATE BERM REVEGETATION. CONSTRUCT TEMPORARY OUTLETS FOR CONTAINMENT AREAS WITH SCREENS, HAY BALES, SETTLING BASINS OR OTHER MEASURES TO PREVENT SILT TRANSPORT.</div> <div>10.4 SELECT / DESIGNATE ACCESS ROUTING FOR DEMOLITION EQUIPMENT AND VEHICLES AND PROVIDE PERIMETER PROTECTIVE MEASURES WHERE EXISTING TERRAIN SHALL BE SUBJECT TO DISRUPTION BY SUCH TRAFFIC.</div> <div>10.5 CONSTRUCT ABOVE GROUND OR OTHER CONTAINMENT AREAS FOR DEMOLITION AREA RUNOFF. PROVIDE SCREENS, HAY BALES, ETC. TO FILTER DISCHARGE FROM THOSE AREAS.</div> <div>10.6 SPOIL MOUNDS SHALL NOT BE LEFT FOR MORE THAN ONE WEEK PRIOR TO REPLACEMENT UNLESS PROTECTIVE CONTAINMENT MEASURES IN THE WORK AREA ARE APPLIED.</div> <div>10.7 GRASSING, SODDING, ETC. SHALL BE IN PLACE IMMEDIATELY UPON COMPLETION OF REGRADING, SWALE SLOPES AND THE CONSTRUCTED OR DISTURBED AREAS.</div> <div>11. THE CONTRACTOR IS REQUIRED TO ADHERE TO THE REQUIREMENT OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES). THE CONTRACTOR SHALL INSTITUTE BEST MANAGEMENT PRACTICES (BMPs) TO ENSURE COMPLIANCE WITH THE NPDES PROGRAM AND TO MINIMIZE THE IMPACT TO PUBLIC STORMWATER FACILITIES. A NOTICE OF INTENT (NOI) SHALL BE FILED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.</div> <div>12. THE CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND MAINTAIN ALL RECORDS REQUIRED BY ITS NPDES STORMWATER PERMIT FOR ITS CONSTRUCTION ACTIVITIES.</div> <div>13. PRIOR TO CONSTRUCTION, A SILT FENCE IN ACCORDANCE WITH CITY'S DETAIL SHALL BE ERECTED AS NOTED ON PLANS. ALL PROPOSED CATCH BASINS SHALL HAVE THEIR INLETS PROTECTED BY THE INSTALLATION OF FILTER INLET INSERTS INTO THE FRAME AND GRATE. SILT FENCES AND FILTER INLET INSERTS SHALL REMAIN IN PLACE DURING THE ENTIRE DURATION OF CONSTRUCTION.</div> <div>14. CONTRACTOR SHALL BRACE ALL EXISTING LANDSCAPING TO REMAIN PRIOR TO BEGINNING ANY WORK AND SHALL ENSURE ITS STABILIZATION THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EXISTING SOD DISTURBED BY CONSTRUCTION THAT IS NOT AFFECTED BY PROPOSED GRADING SHALL BE RESTORED TO NEW CONDITION UPON COMPLETION OF CONSTRUCTION. SODDED SLOPES STEEPER THAN FOUR HORIZONTAL TO ONE VERTICAL SHALL BE PEGGED.</div> <div>15. ALL WASTE GENERATED FROM THE CONSTRUCTION SHALL BE DISCARDED IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. CONTRACTOR SHALL OBTAIN ALL APPLICABLE CODES AND BECOME FAMILIAR WITH STATE, LOCAL AND FEDERAL REGULATIONS PRIOR TO BEGINNING CONSTRUCTION.</div> <div>16. TO ENSURE THAT OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST IS MINIMIZED, CONTRACTOR SHALL PUT INTO PRACTICE THE METHODS DETAILED IN FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION AND BMPs.</div>		
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HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023

DATE: APRIL 2021  
SCALE: N/A  
DESIGNED BY: CEW  
CHECKED BY: CEW  
LMS  
FIELD BOOK: N/A



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISITONS		DESCRIPTION	
NO.	DATE	BY	CHKD

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
GENERAL NOTES AND DETAILS -  
SHEET 2

SHEET NO.  
GC-02  
TOTAL: 224  
CAD FILE: 11842-GC02  
DRAWING FILE NO. 4-142-65

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17. DUST GENERATED FROM CONSTRUCTION SHALL BE MINIMIZED BY DAILY WATERING OF THE SITE.

18. AT ANY TIME DURING CONSTRUCTION THAT THE SILT FENCING IS DISTURBED, THE SILT FENCING SHALL BE RESTORED TO ITS ORIGINAL STATE WITHIN 24 HOURS. AT NO TIME DURING CONSTRUCTION SHALL WORK BE PERFORMED WITHOUT THE INTEGRITY OF THE SILT FENCING SECURED.

19. A QUALIFIED INSPECTOR, PROVIDED BY THE CONTRACTOR, SHALL INSPECT ALL POINTS OF DISCHARGE INTO NEARBY SURFACE WATER. THE INSPECTION SHALL OCCUR AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. INSPECTION INCLUDES THE WRITTEN RECORDING OF THE CONDITION OF ALL DISCHARGE POINTS, INTEGRITY OF SILT FENCING, DAILY DUST CONTROL MEASURES, VEHICULAR TRAFFIC AND CONSTRUCTION MATERIAL STORAGE AND DISPOSAL. WRITTEN RECORD OF ALL INSPECTIONS SHALL BE STORED BY THE CONTRACTOR.


20. THE INSPECTION REPORT SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING INFORMATION: NAME AND QUALIFICATION OF PERSONNEL MAKING THE INSPECTION, DATE OF INSPECTION, RAINFALL DATE, MAJOR OBSERVATIONS RELATING TO THE SWPPP, ACTIONS TAKEN BY CONTRACTOR AND ANY INCIDENT OF NONCOMPLIANCE WITH PERMIT. WHERE AN INSPECTION DOES NOT IDENTIFY ANY INCIDENT OF NONCOMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE SWPPP AND THE PERMIT.

21. THE CONTRACTOR SHALL RETAIN A COPY OF THE SWPPP AND ALL REPORTS, RECORDS AND DOCUMENTATION REQUIRED BY THE PERMIT AT THE CONSTRUCTION SITE, OR AN APPROPRIATE ALTERNATIVE LOCATION AS SPECIFIED IN THE NOTICE OF INTENT, FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

22. THE CONTRACTOR SHALL RETAIN THE SWPPP, NOI AND ALL RECORDS ASSOCIATED THEREWITH FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED.

23. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND LANDSCAPE DEMOLITION.

24. CONTRACTOR SHALL COORDINATE THROUGH CITY'S CONSTRUCTION DIVISION AND CITY'S PARKS DEPARTMENT ON HOW TO STOCK AND RE-USE EXCAVATED SOIL FROM SITE (AS APPLICABLE TO THE PROJECT).

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11. METALS: METALS FROM REINFORCED CONCRETE, REINFORCED MASONRY, STRUCTURAL STEEL MEMBERS, FLASHING AND SHEET METAL, CONDUIT PIPE, SIDING, PIPING AND WIRING SHALL BE SEPARATED BY TYPE.

12. STRUCTURAL STEEL: STACK MEMBERS ACCORDING TO THEIR SIZE, TYPE AND LENGTH.

13. NUTS AND BOLTS: REMOVE BOLTS, NUTS, WASHERS AND OTHER ROUGH HARDWARE.

14. SITE-CLEARING WASTE SHALL BE RECYCLED BY CHIPPING BRUSH, BRANCHES AND TREES, THEN HAUL TO WOOD RECYCLING CENTER.

DISPOSAL OF WASTE:


1. GENERAL: EXCEPT FOR ITEMS OR MATERIALS TO BE SALVAGED, RECYCLED OR OTHERWISE REUSED, REMOVE WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN A LANDFILL OR OTHER PERMITTED DISPOSAL FACILITY.

2. EXCEPT AS OTHERWISE SPECIFIED, DO NOT ALLOW WASTE MATERIALS THAT ARE TO BE DISPOSED OF TO ACCUMULATE ON-SITE.

3. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT SHALL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.

4. BURNING: DO NOT BURN WASTE MATERIALS.

5. DISPOSAL: TRANSPORT WASTE MATERIALS OFF THE OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM.

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INTERRUPTION OF EXISTING UTILITIES:

1. ANY DEMOLITION WORK THAT REQUIRES INTERRUPTION OF SERVICE TO ANY CUSTOMER SHALL BE DONE SO WITH A MINIMUM OF SEVENTY-TWO (72) HOUR WRITTEN NOTICE TO, AND WRITTEN APPROVAL BY, THE APPROPRIATE UTILITY COMPANY.

2. THE CONTRACTOR SHALL ARRANGE A MEETING WITH THE LOCAL JURISDICTIONAL AGENCIES AND OTHER GOVERNING AGENCIES, AND OTHER AFFECTED UTILITIES PRIOR TO SCHEDULING THE SHUT DOWN TO ASSESS THE SCOPE OF WORK.

3. ALL SYSTEM SHUT DOWNS SHALL BE SCHEDULED BY THE CONTRACTOR AT SUCH TIME THAT SYSTEM DEMAND IS LOW. THIS GENERALLY REQUIRES NIGHT TIME WORK BY THE CONTRACTOR AND REQUIRES FULL-TIME INSPECTION BY A REPRESENTATIVE OF THE UTILITY. ALL COST FOR OVERTIME WORK BY THE REPRESENTATIVE OF THE UTILITY SHALL BE BORNE BY THE CONTRACTOR.

4. EACH CUSTOMER AFFECTED BY THE SHUT-DOWN SHALL BE PROVIDED, MINIMUM, FORTY-EIGHT (48) HOURS WRITTEN NOTIFICATION BY THE CONTRACTOR.


TEMPORARY DEMOLITION FACILITIES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING DEMOLITION.

2. MAINTENANCE OF TRAFFIC (MOT) IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.

3. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.

4. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS WRITTEN PERMISSION OF THE CITY OR RESPECTIVE GOVERNING AGENCY.

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WASTE MANAGEMENT PLAN:

1. IMPLEMENT A WASTE MANAGEMENT PLAN FOR APPROVAL BY THE OWNER. PROVIDE HANDLING, CONTAINERS, STORAGE, SIGNAGE, TRANSPORTATION AND OTHER ITEMS AS NEEDED TO IMPLEMENT THE WASTE MANAGEMENT PLAN DURING THE ENTIRE DURATION OF THE CONTRACT.

2. DESIGNATE A WASTE MANAGEMENT COORDINATOR TO BE RESPONSIBLE FOR IMPLEMENTING, MONITORING AND REPORTING STATUS OF WASTE MANAGEMENT WORK PLAN. COORDINATOR SHALL BE PRESENT AT PROJECT SITE FULL-TIME FOR DURATION OF PROJECT.

3. TRAIN WORKERS, SUBCONTRACTORS AND SUPPLIERS ON PROPER WASTE MANAGEMENT PROCEDURES, AS APPROPRIATE FOR THE WORK AT THE PROJECT SITE.

4. DISTRIBUTE A WASTE MANAGEMENT PLAN BEFORE WORK BEGINS. REVIEW PLAN PROCEDURES AND LOCATION ESTABLISHED FOR SALVAGE, RECYCLING AND DISPOSAL.

RECYCLING DEMOLITION WASTE:

1. SEPARATE RECYCLABLE WASTE FROM OTHER WASTE MATERIALS, TRASH AND DEBRIS. SEPARATE RECYCLABLE WASTE BY TYPE AT THE PROJECT SITE TO THE MAXIMUM EXTENT PRACTICAL.

2. PROVIDE APPROPRIATELY MARKED CONTAINERS OR BINS FOR CONTROLLING RECYCLABLE WASTE UNTIL THEY ARE REMOVED FROM THE PROJECT SITE. INCLUDE A LIST OF ACCEPTABLE AND UNACCEPTABLE MATERIALS AT EACH CONTAINER AND BIN.

3. INSPECT CONTAINERS AND BINS FOR CONTAMINATION AND REMOVE CONTAMINATED MATERIALS IF FOUND.

4. STOCKPILE PROCESSED MATERIALS ON-SITE WITHOUT INTERMIXING WITH OTHER MATERIALS. PLACE, GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST.

5. STOCKPILE MATERIALS AWAY FROM DEMOLITION AREA. DO NOT STORE WITHIN DRIP LINE OF REMAINING TREES.


6. STORE COMPONENTS OFF THE GROUND AND PROTECT FROM THE WEATHER.

7. REMOVE RECYCLABLE WASTE OFF THE OWNER'S PROPERTY AND TRANSPORT TO RECYCLING RECEIVER OR PROCESSOR.

8. ASPHALTIC CONCRETE PAVING: BREAK UP AND TRANSPORT PAVING TO ASPHALT RECYCLING FACILITY.

9. CONCRETE: REMOVE REINFORCEMENT AND OTHER METALS FROM CONCRETE AND SORT WITH OTHER METALS.

10. MASONRY: MASONRY WASTE SHALL INCLUDE WHOLE OR BROKEN BRICK AND CONCRETE MASONRY UNITS. WHOLE MASONRY UNITS SHALL BE CLEANED AND REUSED OR DONATED. BROKEN MASONRY SHALL BE CRUSHED AND USED AS FILL FOR OFFSITE AREAS. REMOVE METAL REINFORCEMENT, ANCHORS AND TIES FROM MASONRY AND SORT WITH OTHER METALS.

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DETAIL NO.  
GNRL  
009  
REVISED:  
2017/07/13

Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
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TEL: 954-987-0066  
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DRAWN BY:  
CEW

DATE:  
APRIL 2021


DESIGNED BY:  
CEW

SCALE:  
N/A

CHECKED BY:  
LMS

FIELD BOOK:  
N/A

CITY of FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

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PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
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SHEET 3

SHEET NO.

GC-03

TOTAL:

224

CAD FILE:

11842-GC03

DRAWING FILE NO.

4-142-65

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Exhibit 3G  
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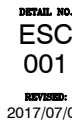
EROSION AND SEDIMENT CONTROL:

- CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ORDER TO ENSURE POLLUTION PREVENTION. CONTRACTOR TO COMPLY WITH ALL LOCAL STATE AND OTHER GOVERNMENTAL ENVIRONMENTAL REGULATIONS THROUGHOUT CONSTRUCTION.
- DURING CONSTRUCTION ALL CATCH BASIN INLETS SHALL BE PROTECTED TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING THE CATCH BASIN.
- SILT FENCES SHALL BE INSTALLED AS NECESSARY TO CONTROL OR PREVENT DISCHARGE OF SEDIMENT ONTO ADJACENT UNDISTURBED AREAS, OR OFF-SITE AREAS.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.
- NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- ALL EXPOSED AREAS SHALL BE SODDED AS SPECIFIED WITHIN 30 DAYS OF FINAL GRADING.
- MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
- CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY CITY, COUNTY, AND STATE OF FLORIDA ON SITE INSPECTION, AT NO ADDITIONAL COST TO THE OWNER.
- LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
- IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
- BURNING OF DEBRIS WILL NOT BE ALLOWED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
- CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATER WAYS. IN ADDITION CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES IF EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC. THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES. EROSION CONTROL BARRIER SHALL BE ESTABLISHED AS THE FIRST ITEM OF WORK.



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

EROSION AND SEDIMENT CONTROL NOTES  
SHEET 1



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

EROSION AND SEDIMENT CONTROL NOTES  
SHEET 2

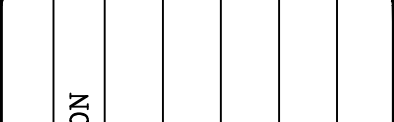


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PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

GRAVEL CONSTRUCTION ENTRANCE



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PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301



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PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

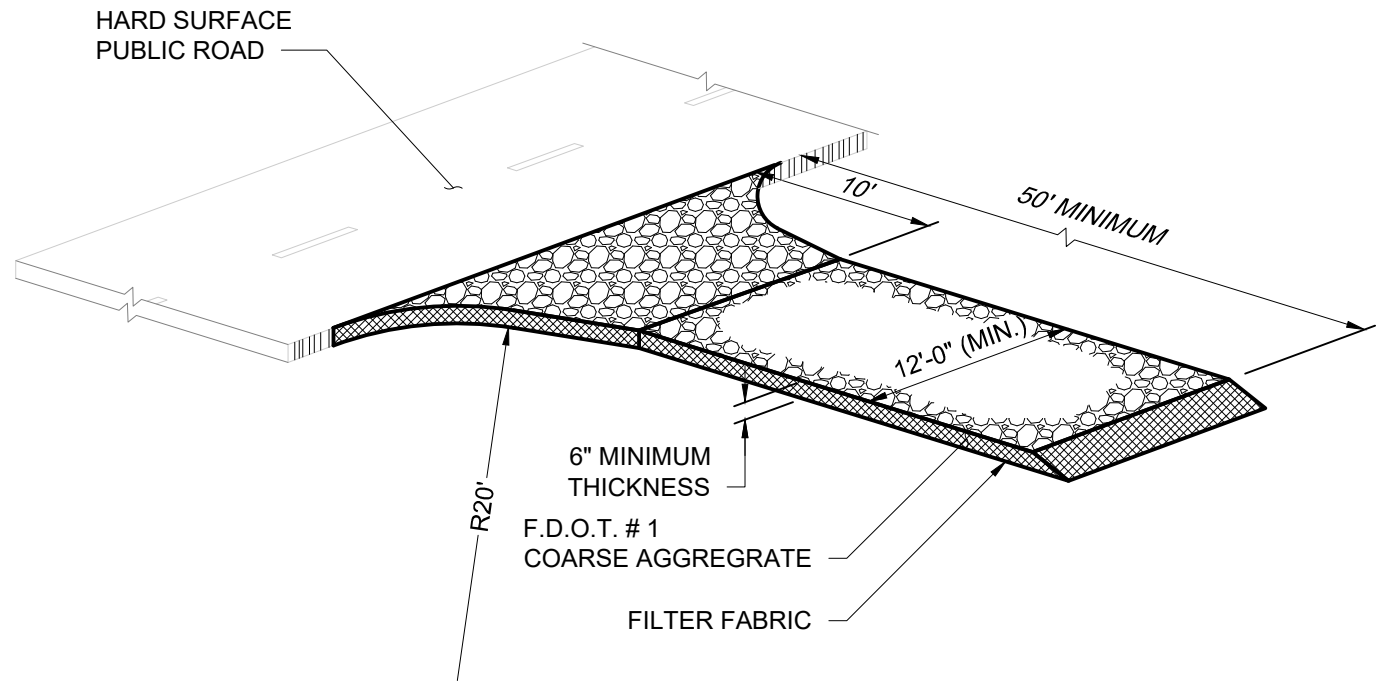
REVISIONS

NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
EROSION CONTROL DETAILS -  
SHEET 1

SHEET NO.  
GC-04  
TOTAL: 224  
CAD FILE:  
11842-GC04  
DRAWING FILE NO.  
4-142-65

BID SET



NOTES:

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

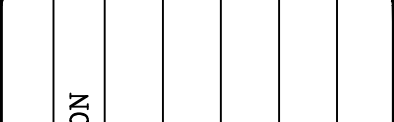


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GRAVEL CONSTRUCTION ENTRANCE



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100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS

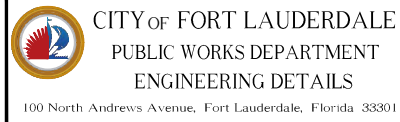
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PROJECT # 11842  
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4-142-65

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- THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM APPLIES TO ALL CONSTRUCTION ACTIVITY THAT: 1) CONTRIBUTE STORMWATER DISCHARGES TO SURFACE WATER OF THE STATE OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4); 2) DISTURBS ONE OR MORE ACRES OF LAND; OR 3) LESS THAN ONE ACRE IS INCLUDED IF THE ACTIVITY IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT THAT WILL MEET OR EXCEED THE ONCE ACRE THRESHOLD. DISTURB INCLUDES CLEARING, GRADING AND EXCAVATING.
- FOR CONSTRUCTION ACTIVITY THAT IS SUBJECT TO THE NPDES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM, THE CONTRACTOR SHALL:
  - OBTAIN A GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOCUMENT 62-621.300(4)(A).
  - COMPLY WITH ALL REQUIREMENTS OF THE GENERIC PERMIT.
  - DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
  - COMPLETE A NOTICE OF INTENT (NOI) FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FORM 62-621.300(4)(B) IN ITS ENTIRETY USING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S WEBSITE.
- SUBMIT COPIES OF THE SWPPP AND THE NOI TO THE ENGINEER AS INFORMATIONAL RECORDS. THESE SUBMITTALS WILL NOT BE REVIEWED BY THE ENGINEER.
- CONTRACTOR TO CLEAN AND REPAIR ALL EXISTING STORMWATER INFRASTRUCTURE THAT IS IMPACTED BY CONSTRUCTION ACTIVITIES, BEFORE LEAVING THE JOBSITE.
- CONTRACTOR TO REMOVE ALL FILTER FABRIC AND POLLUTION PREVENTION ITEMS BEFORE THE FINAL WALK-THROUGH.



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EROSION AND SEDIMENT CONTROL NOTES  
SHEET 2

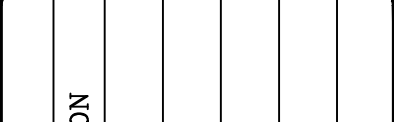


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GRAVEL CONSTRUCTION ENTRANCE



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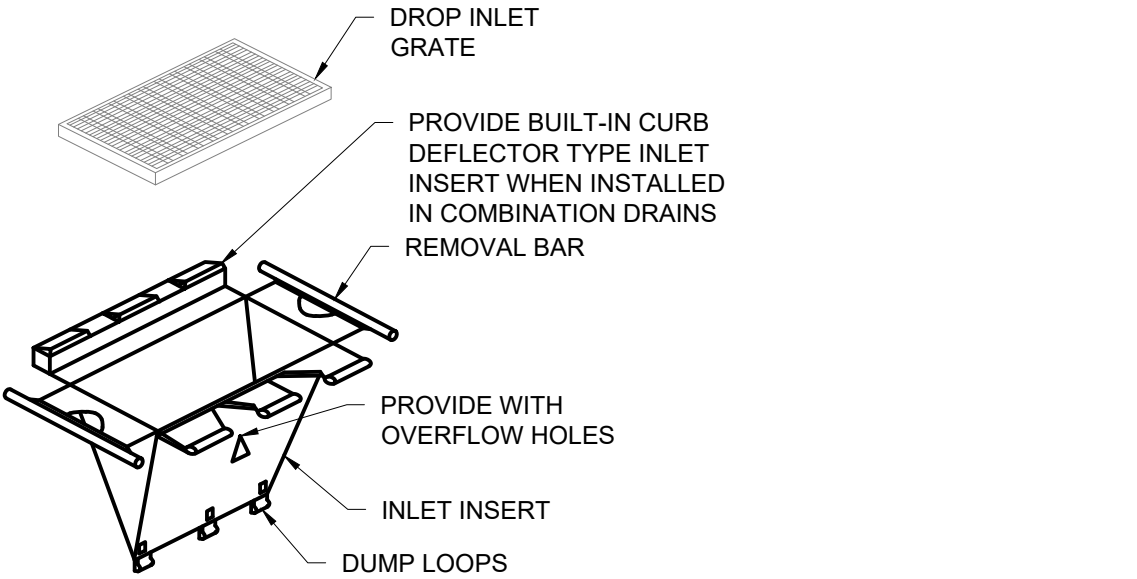
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NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
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EDGEWOOD NEIGHBORHOOD  
EROSION CONTROL DETAILS -  
SHEET 1

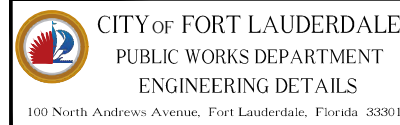
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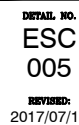
NOTES:

- THE INLET INSERT SHALL BE A SEDIMENT CONTROL DEVICE DESIGNED FOR DROP INLETS OR COMBINATION DRAINS WHERE A DROP INLET IS COUPLED WITH A CURB INLET.
- THE INLET INSERT SHALL BE MADE OF A PERMEABLE GEOTEXTILE THAT ALLOWS WATER TO PASS BUT PREVENTS SILT AND SEDIMENT FROM CLOGGING THE DRAIN SYSTEM.
- THE CONTRACTOR SHALL CLEAN AND INSPECT REGULARLY AND AFTER EVERY MAJOR RAIN EVENT.
- INLET INSERTS SHALL BE "SILTSACK" BY ACF ENVIRONMENTAL, OR EQUAL. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS.



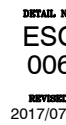
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DROP INLET PROTECTION - INLET INSERT

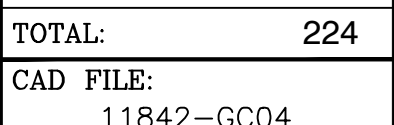


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CURB INLET PROTECTION - CURB FILTER



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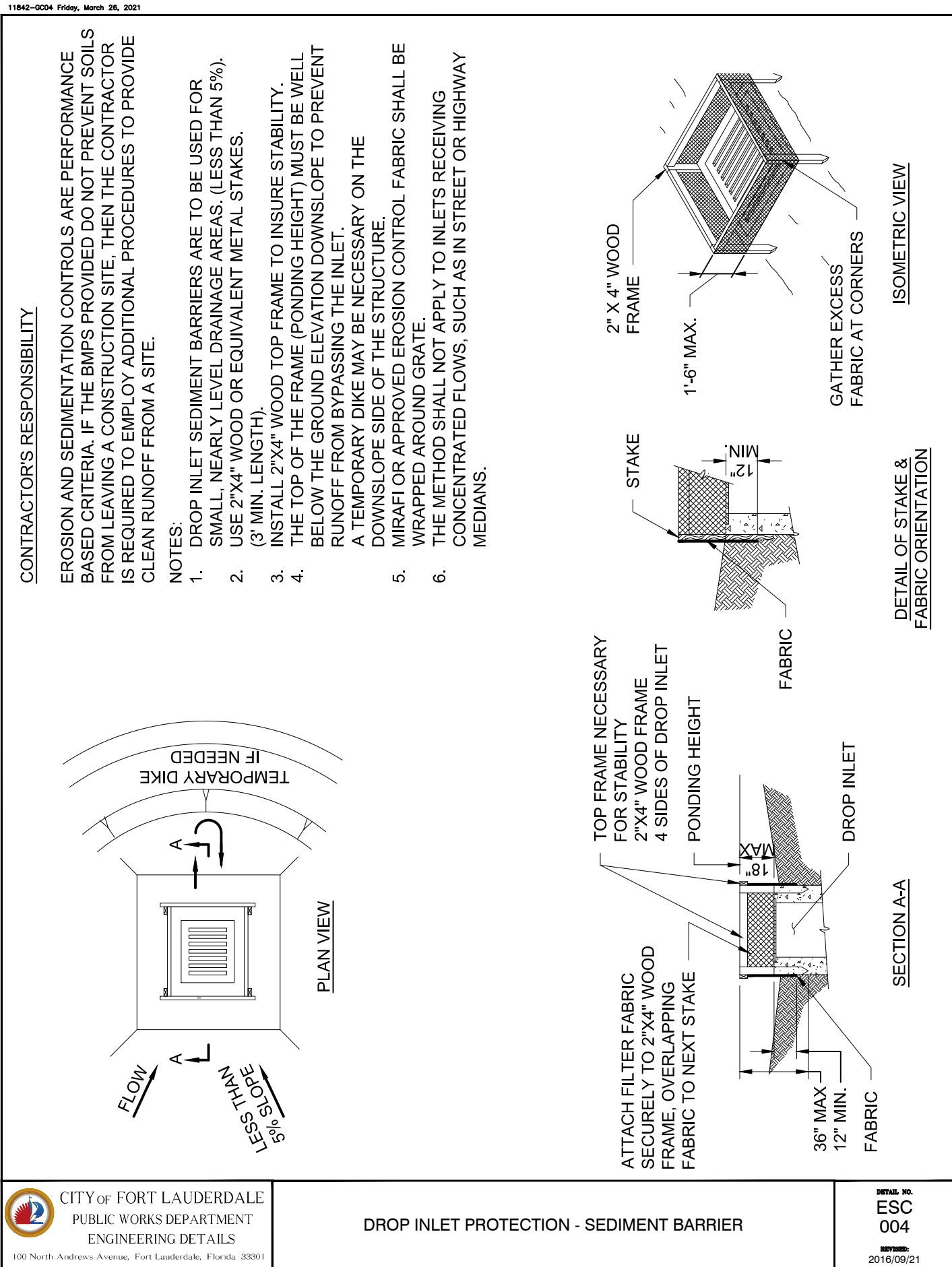
REVISIONS

NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
EROSION CONTROL DETAILS -  
SHEET 1

SHEET NO.  
GC-04  
TOTAL: 224  
CAD FILE:  
11842-GC04  
DRAWING FILE NO.  
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DROP INLET PROTECTION - SEDIMENT BARRIER



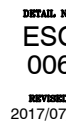
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PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DROP INLET PROTECTION - INLET INSERT

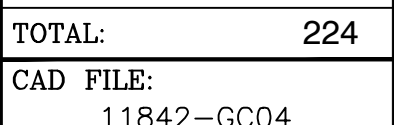


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CURB INLET PROTECTION - CURB FILTER



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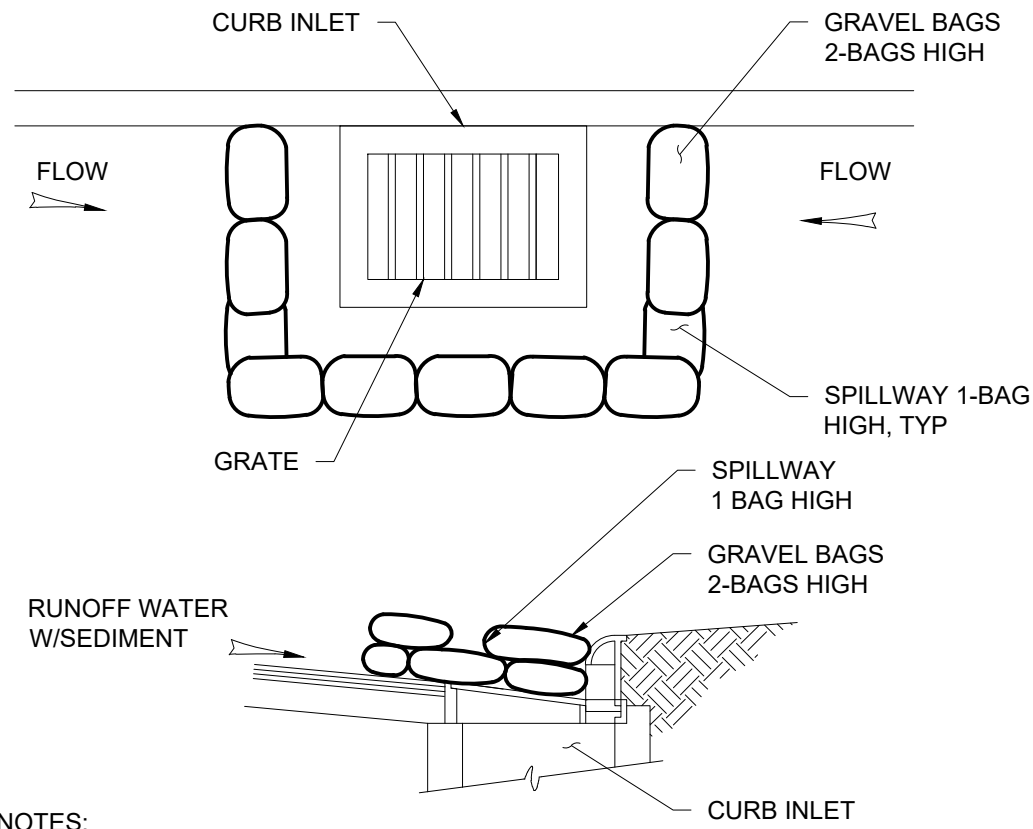
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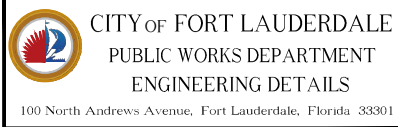


11842-0025 Friday, March 26, 2021



NOTES:

1. A SPILLWAY SHALL BE DESIGNATED FOR EACH DIRECTION OF APPROACHING FLOW AS SHOWN. THE SPILLWAY SHALL BE LOCATED TO ALLOW THE MAXIMUM AMOUNT OF STORMWATER TO POOL WITHOUT FLOODING AREAS UP GRADE OF THE INLET.
2. FOR INLETS THAT ARE NOT ADJACENT TO CURBS, PLACE GRAVEL BAGS ONE BAG HIGH AROUND THE ENTIRETY OF THE INLET TO ACCOMMODATE FLOW FROM ALL DIRECTIONS.
3. BAG MATERIAL: BAGS SHALL BE WOVEN POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE FABRIC, MINIMUM UNIT WEIGHT FOUR OUNCES PER SQUARE YARD, MULLET BURST STRENGTH EXCEEDING 300 PSI IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM D3786, AND ULTRAVIOLET STABILITY EXCEEDING 70% IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM D4355.
4. BAG SIZE: EACH GRAVEL-FILLED BAG SHALL BE 18-INCHES X 12-INCHES X 3-INCHES AND HAVE A MASS OF APPROXIMATELY 33 LBS. ALTERNATIVE BAG SIZES SHALL BE CONSIDERED BASED ON LOCALLY AVAILABLE MATERIALS.
5. FILL MATERIAL: GRAVEL SHALL BE PEA GRAVEL 3/8 INCHES IN DIAMETER AND SHALL BE CLEAN AND FREE OF CLAY BALLS, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS.



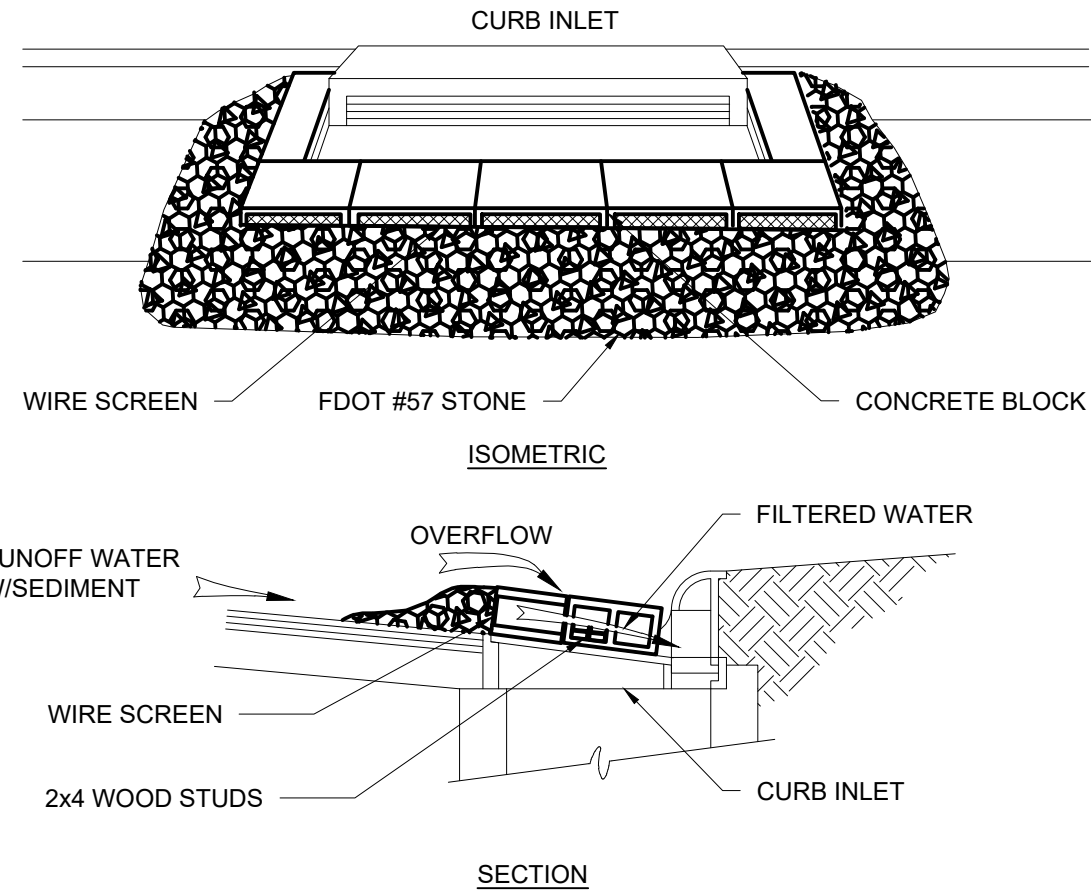
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PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

CURB INLET PROTECTION - GRAVEL BAG



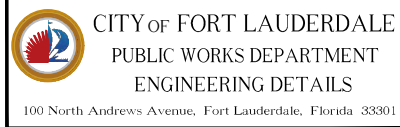
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2017/08/08

11842-0026 Friday, March 26, 2021



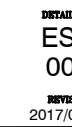
NOTES:

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2 - 3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR INLETS IN ROADWAYS WITH HEAVY TRAFFIC CONDITIONS PREFABRICATED FILTER INSERTS MAY BE USED.

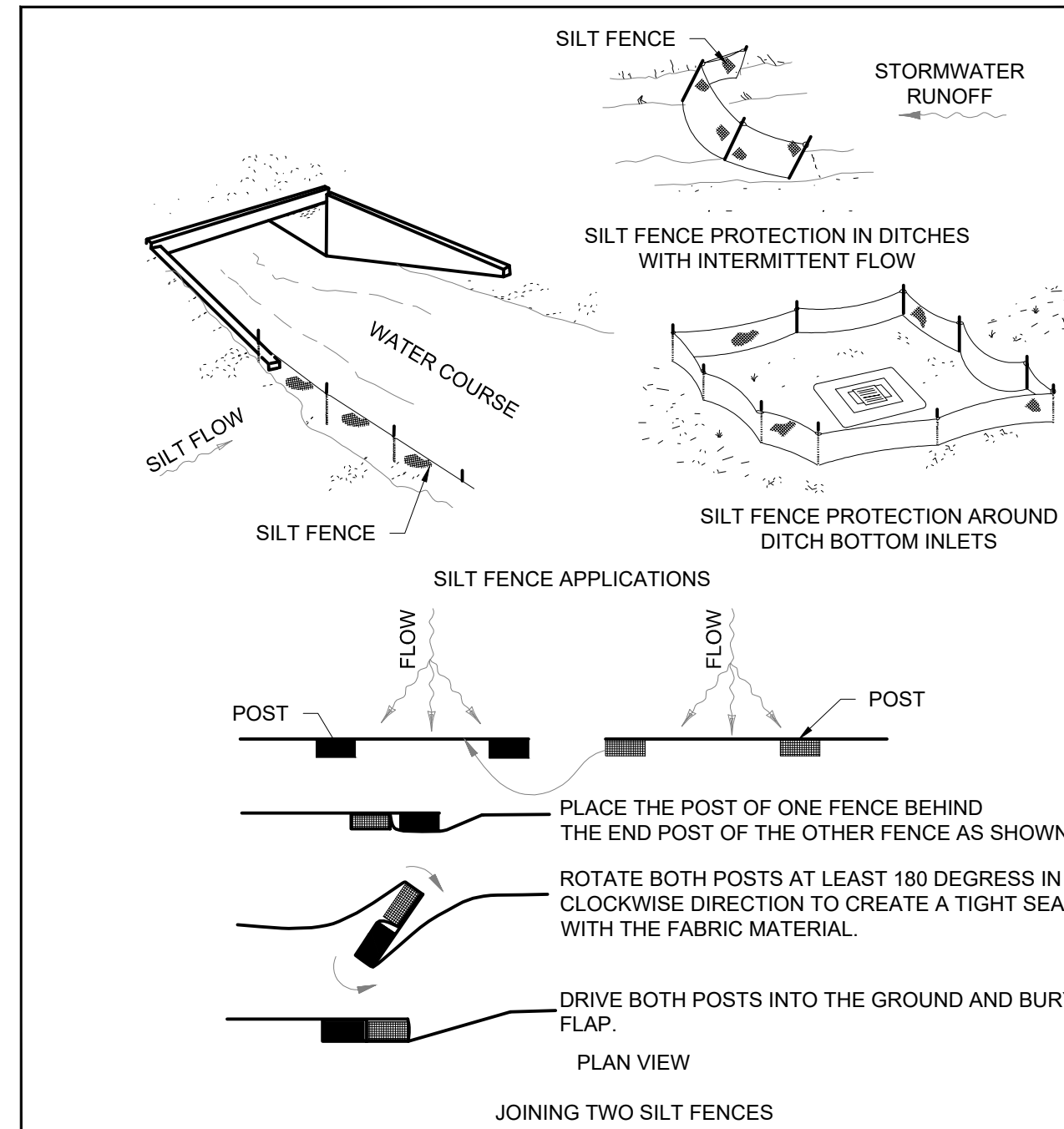


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ENGINEERING DETAILS

CURB INLET PROTECTION - BLOCK AND STONE



ESC  
007  
2017/07/06



NOTES:

1. WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1.
2. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
3. WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.



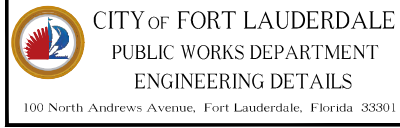
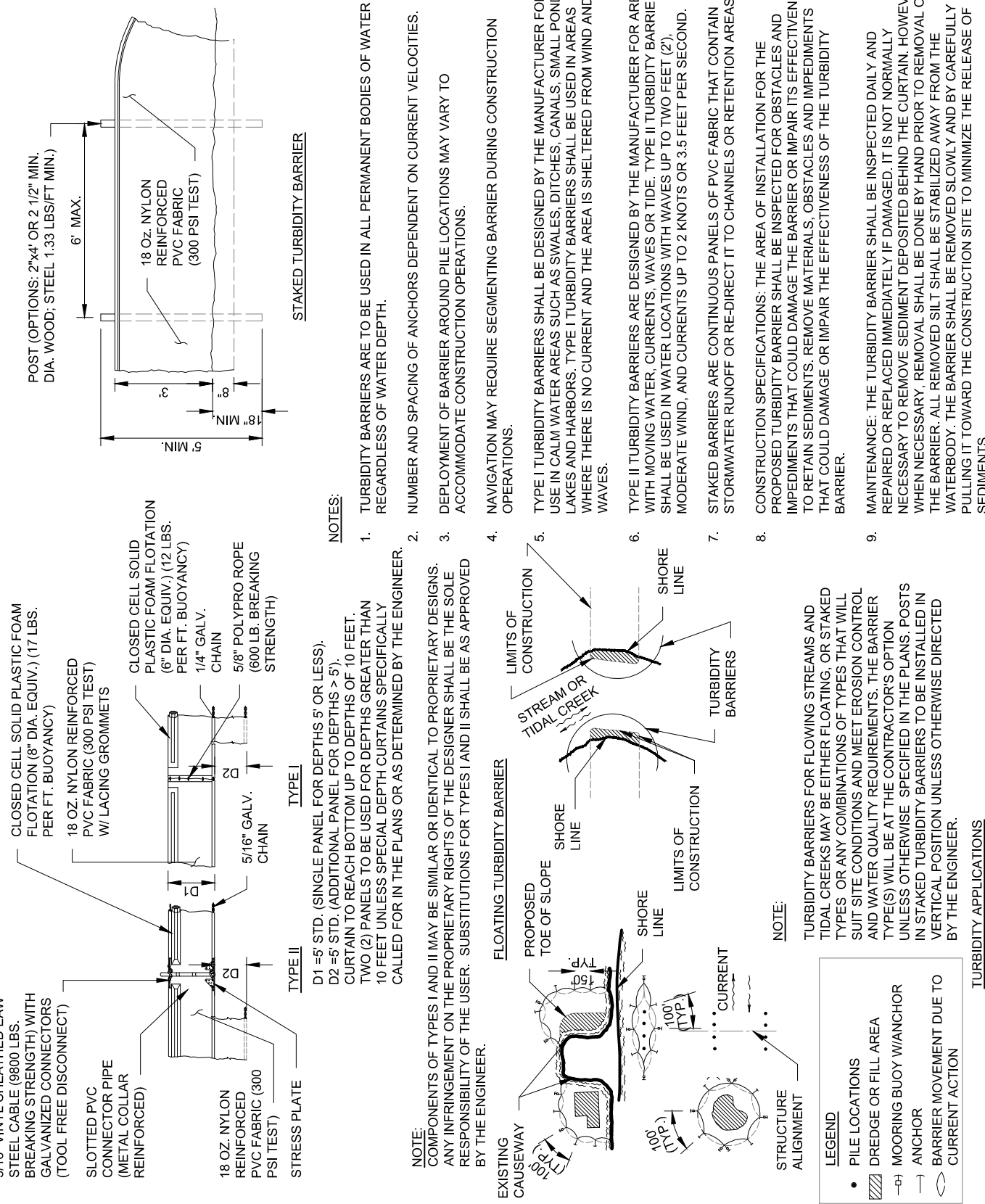
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PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

SILT FENCE - SHEET 2



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010  
2017/07/11

11842-0028 Friday, March 26, 2021



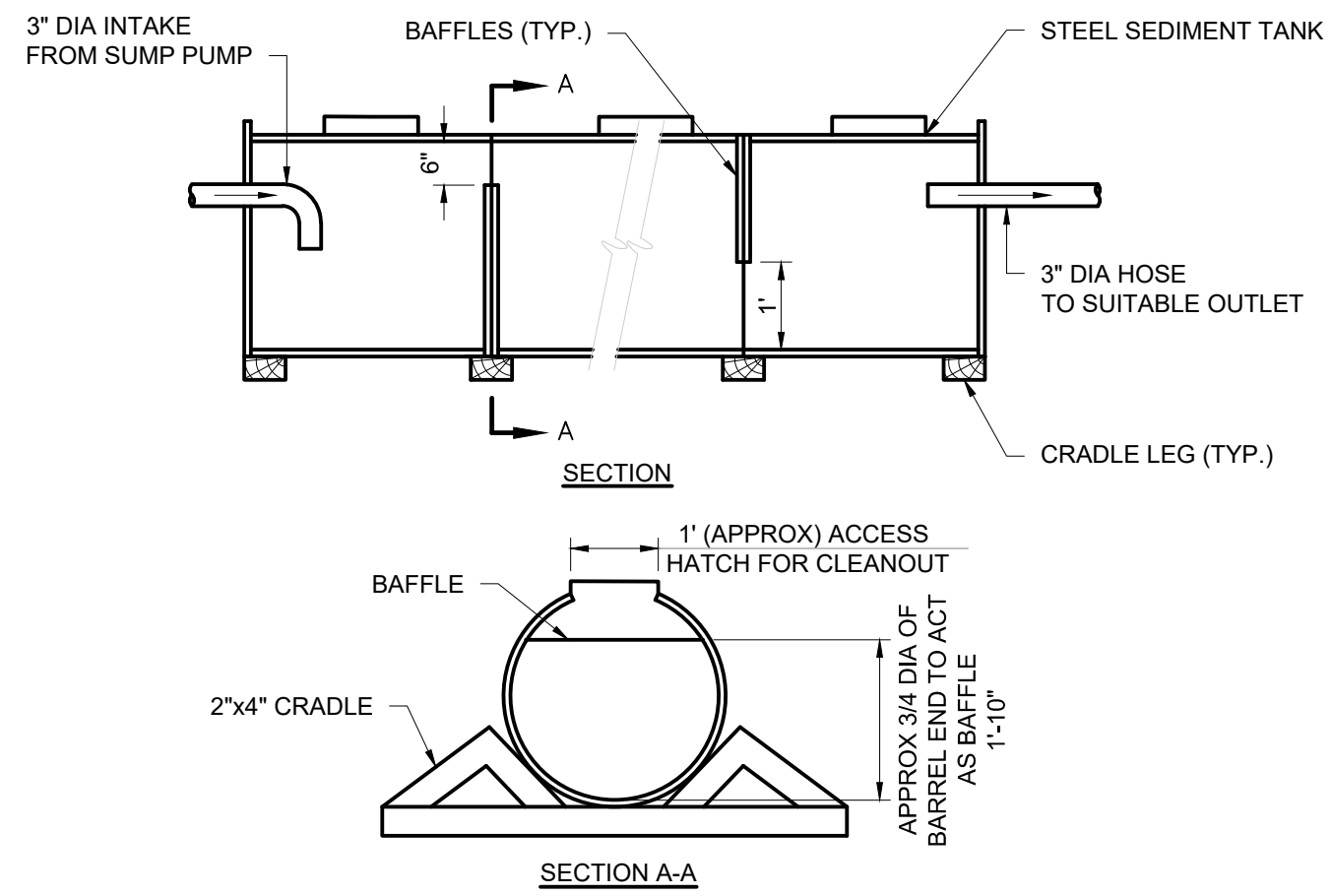
CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

TURBIDITY BARRIER - FLOATING



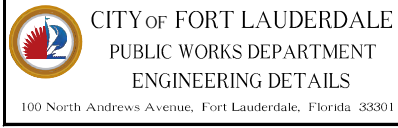
ESC  
011  
2017/07/08

11842-0029 Friday, March 26, 2021



NOTES:

1. CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
2. ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A SEDIMENT TRAPPING DEVICE, AN APPROVED LOCATION IN WHICH FURTHER SEDIMENT TRANSPORT WILL NOT OCCUR OR AS APPROVED BY THE INSPECTOR.
3. PORTABLE SEDIMENT TANK SHALL BE AN ABOVE GROUND HORIZONTAL SINGLE-WALL UL-142 MANUFACTURED BY HIGHLAND TANK OR WEIR BOX MANUFACTURED BY RAIN FOR RENT OR EQUIVALENT.



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

PORTABLE SEDIMENT TANK



ESC  
012  
2017/07/08

**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 02/28/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: DATE: APRIL 2021  
CEW  
DESIGNED BY: SCALE: N/A  
CEW  
CHECKED BY: LMS  
FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

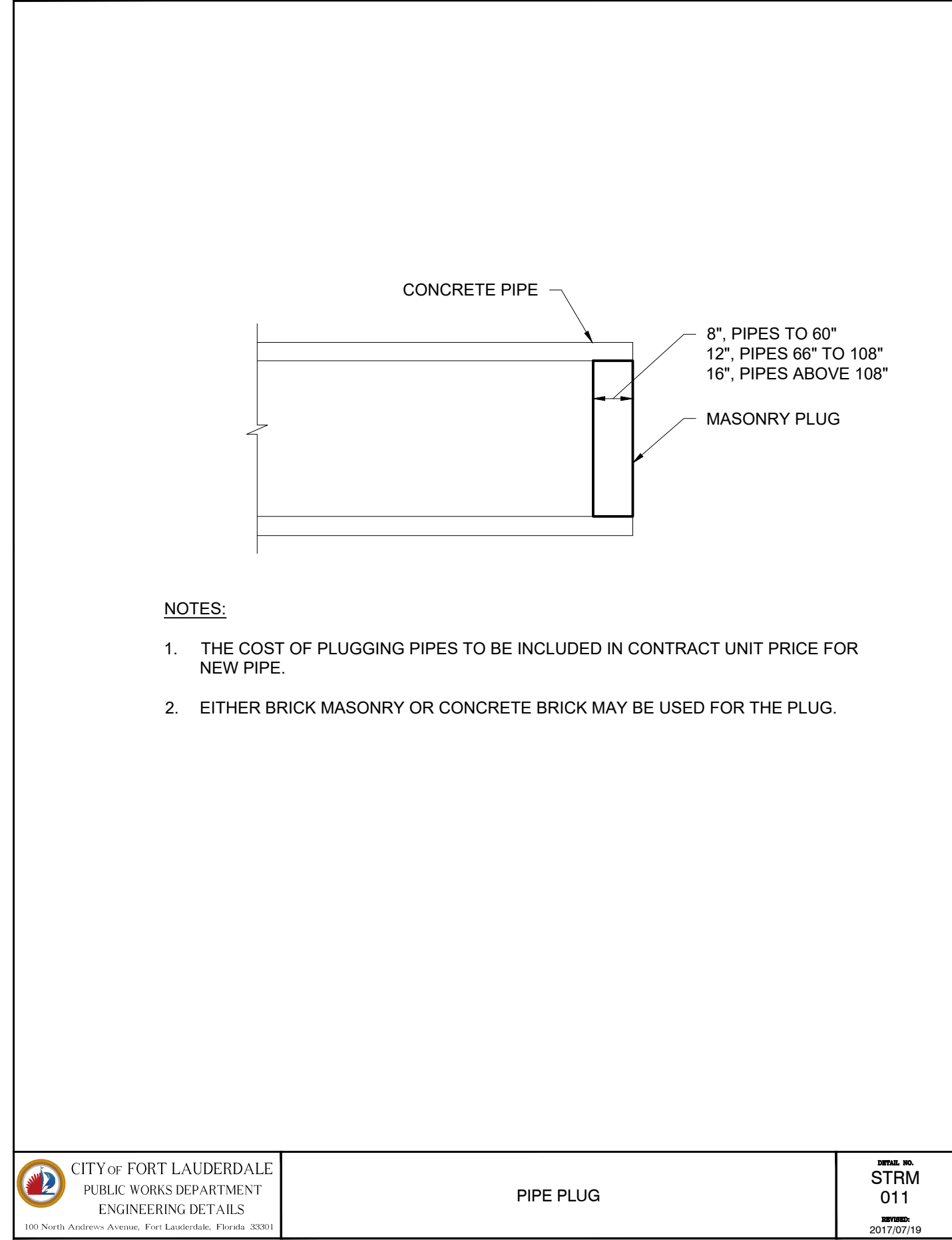
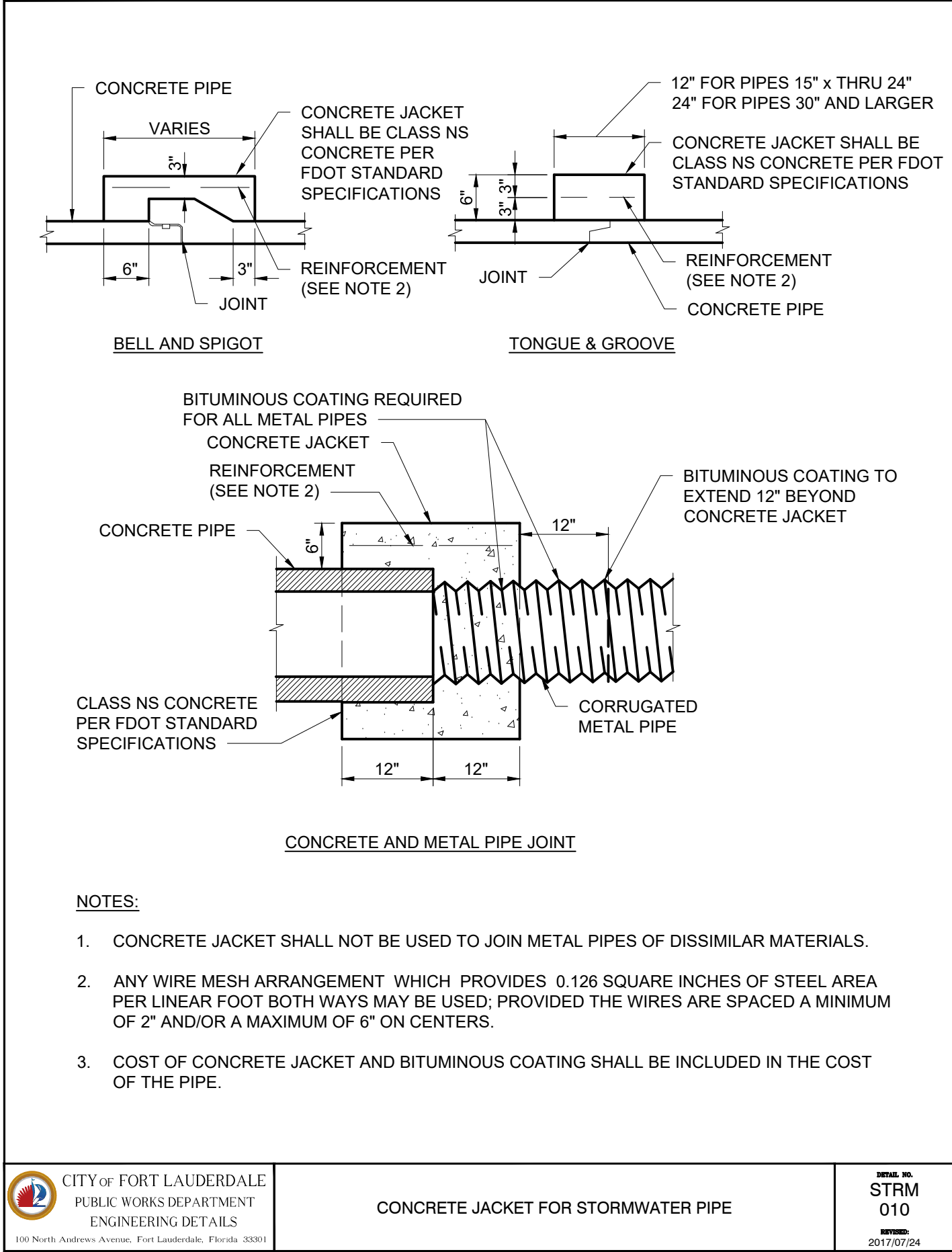
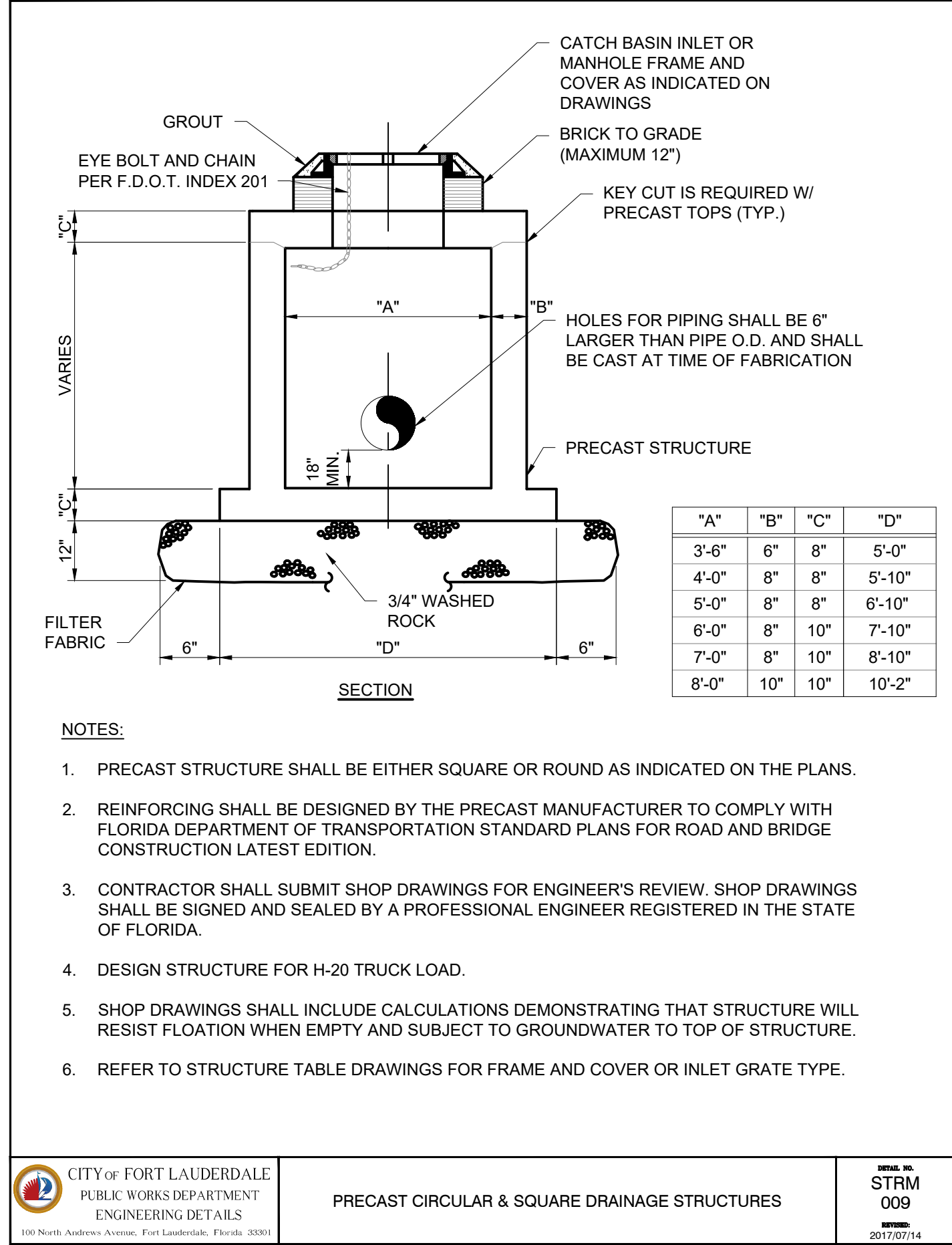
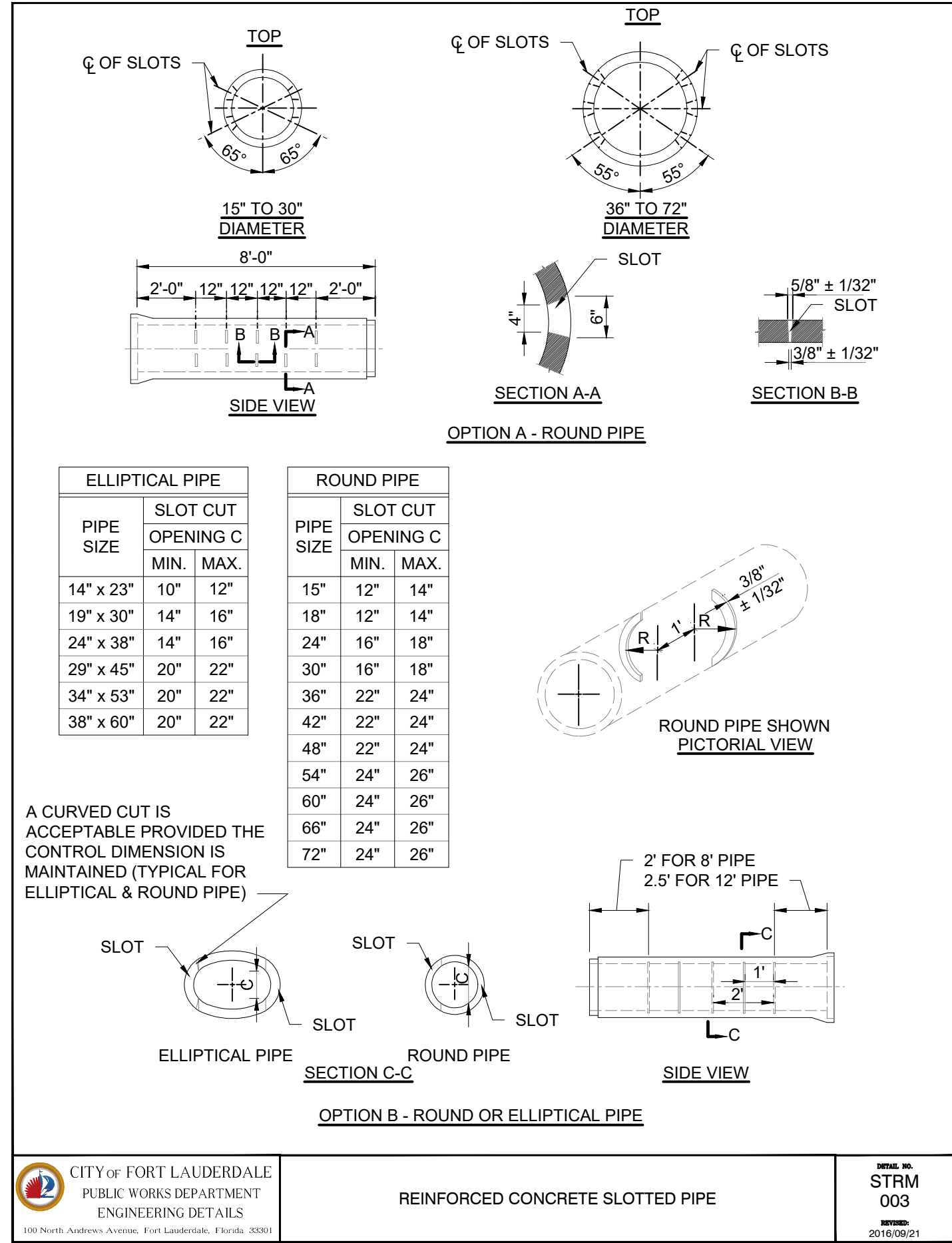
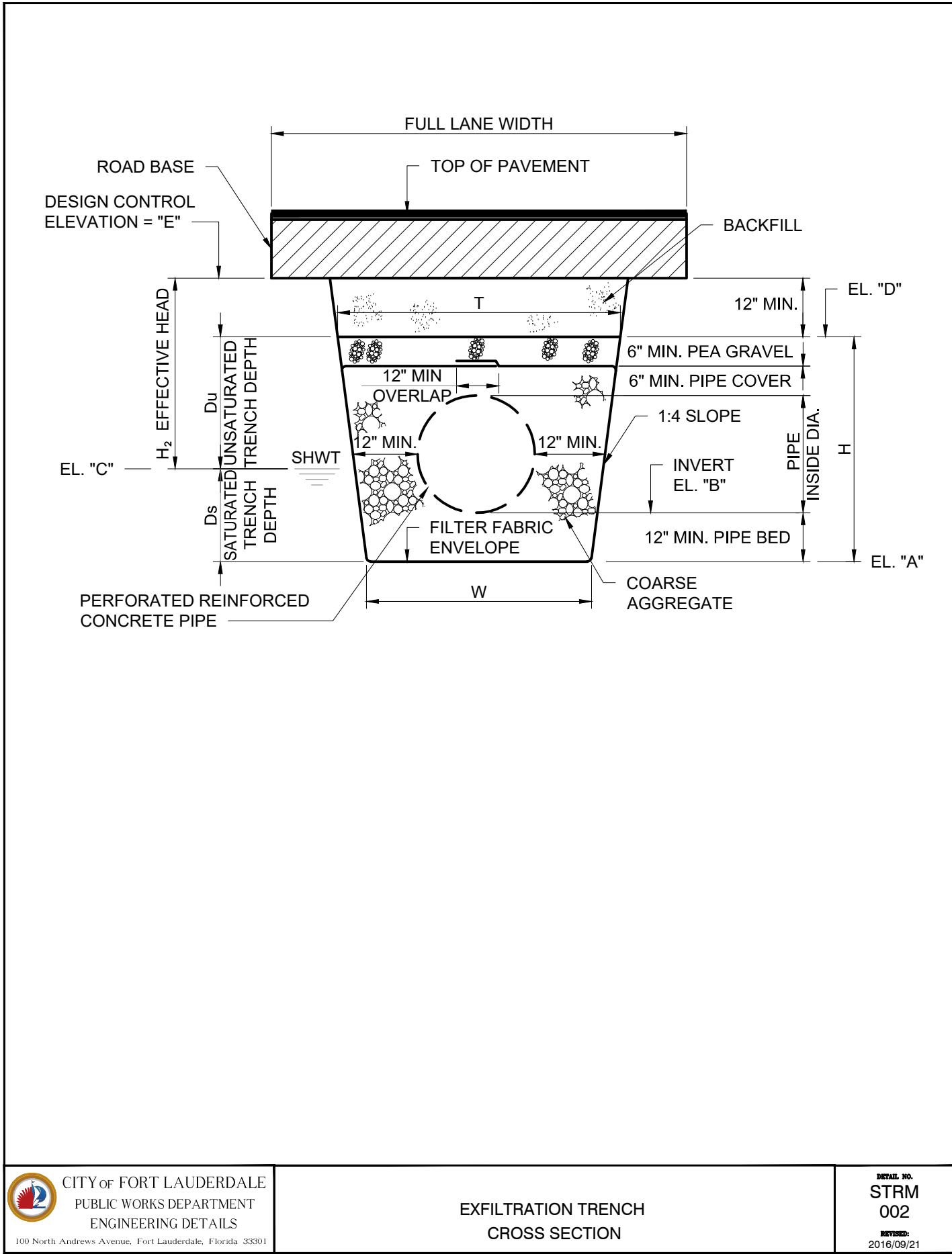
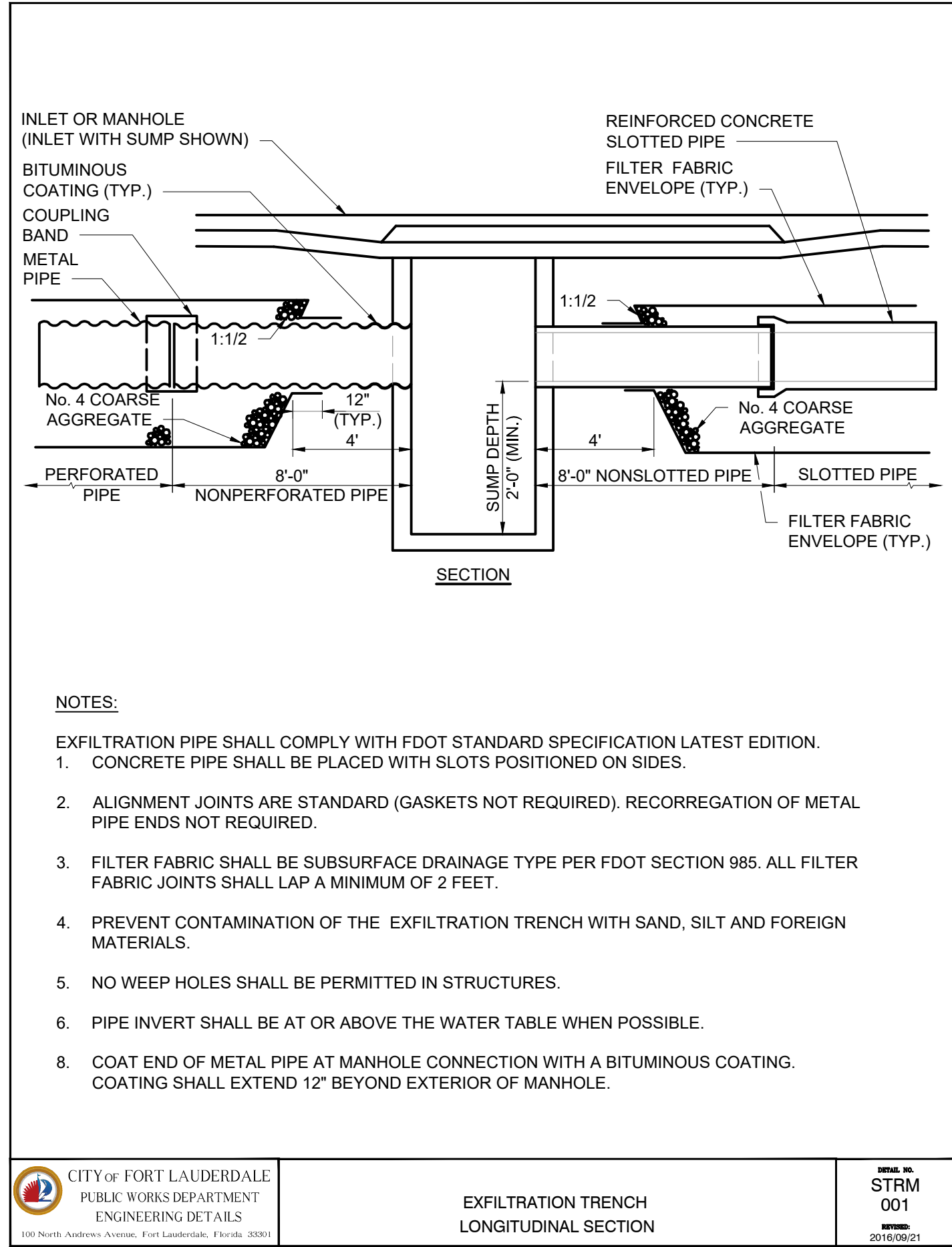
NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
EROSION CONTROL DETAILS -  
SHEET 2

SHEET NO.  
GC-05  
TOTAL: 224  
CAD FILE: 11842-GC05  
DRAWING FILE NO. 4-142-65

BID SET





**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No. 44165  
DATE: 02/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: DATE: APRIL 2021  
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DESIGNED BY: SCALE: N/A  
CEW  
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FIELD BOOK: N/A

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ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

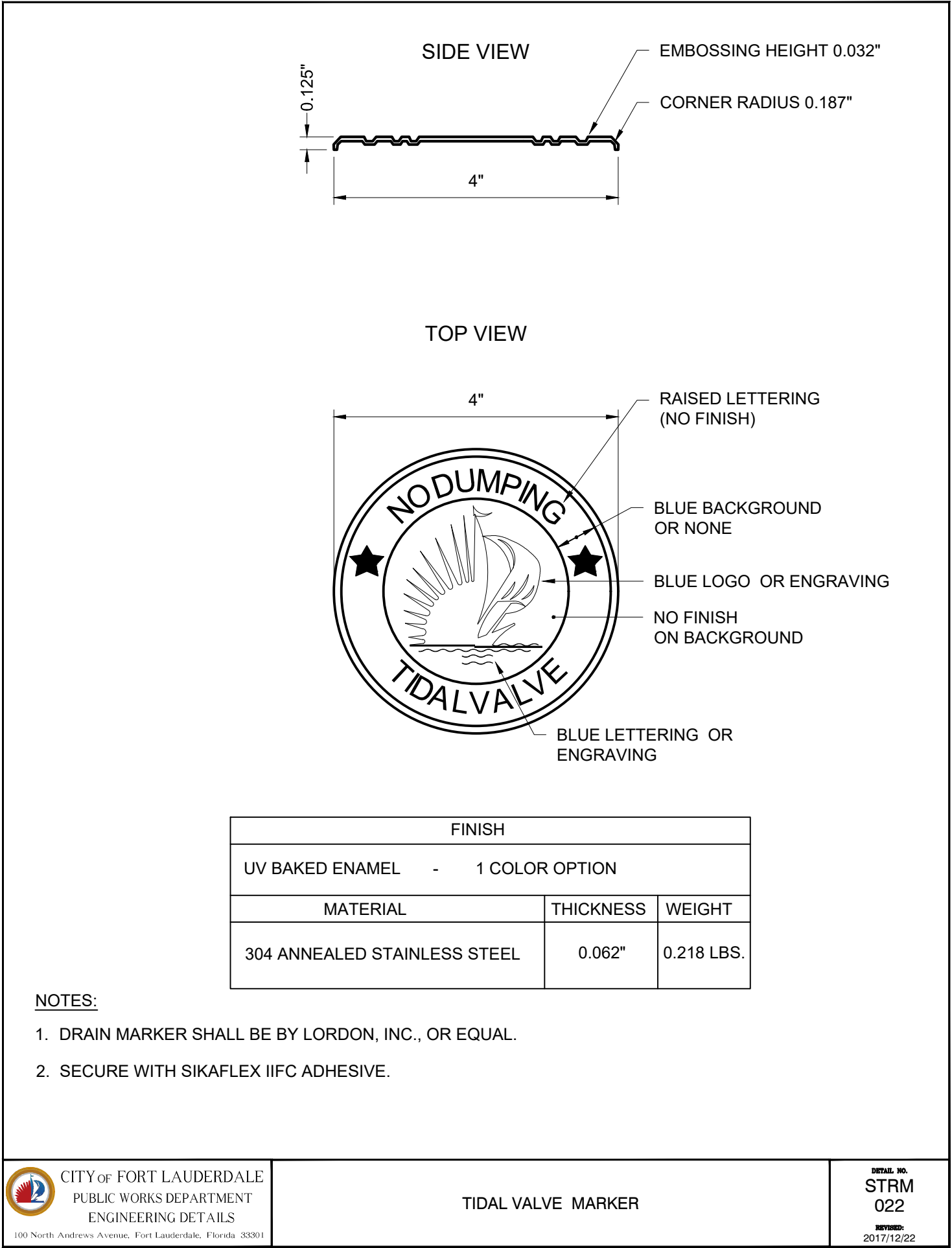
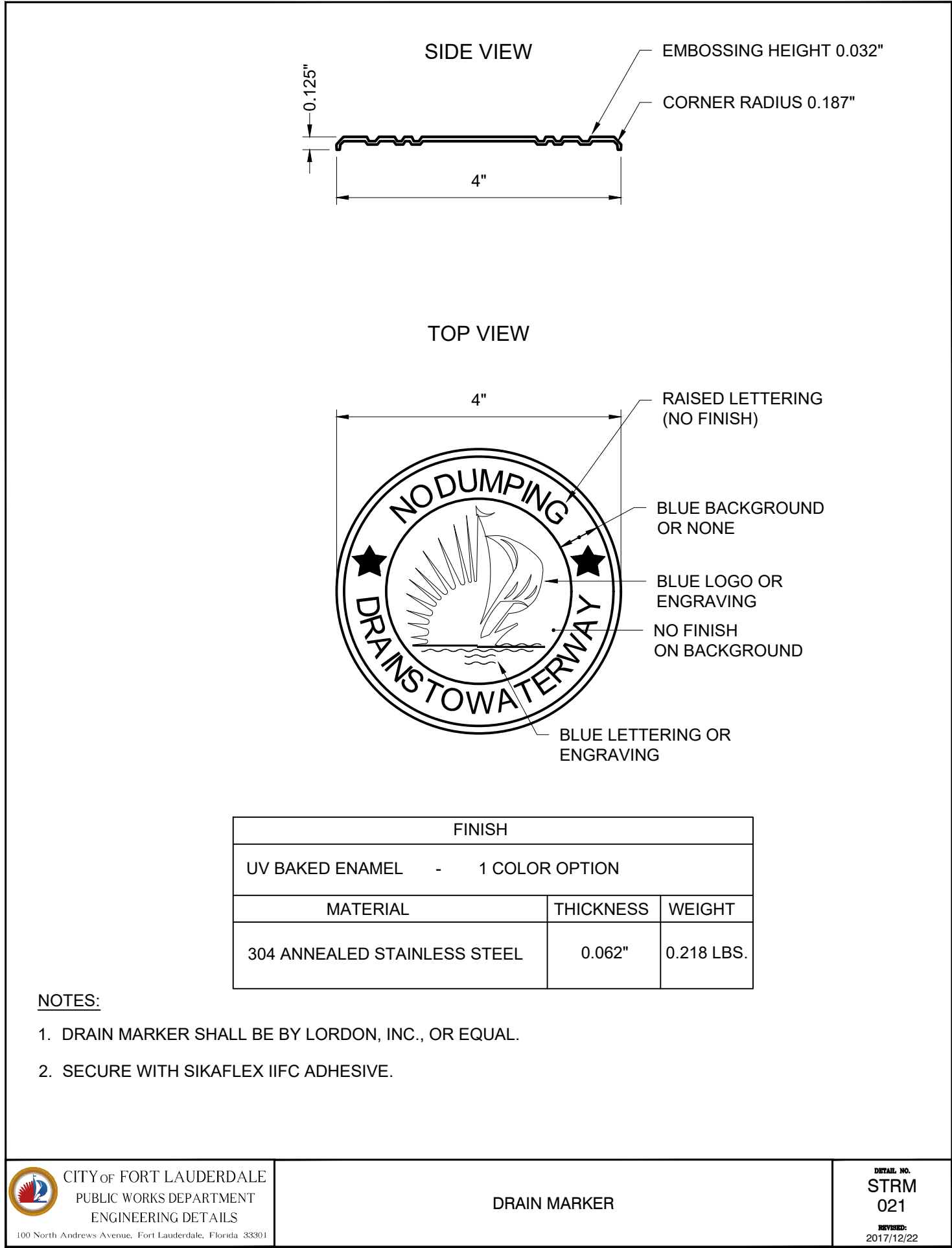
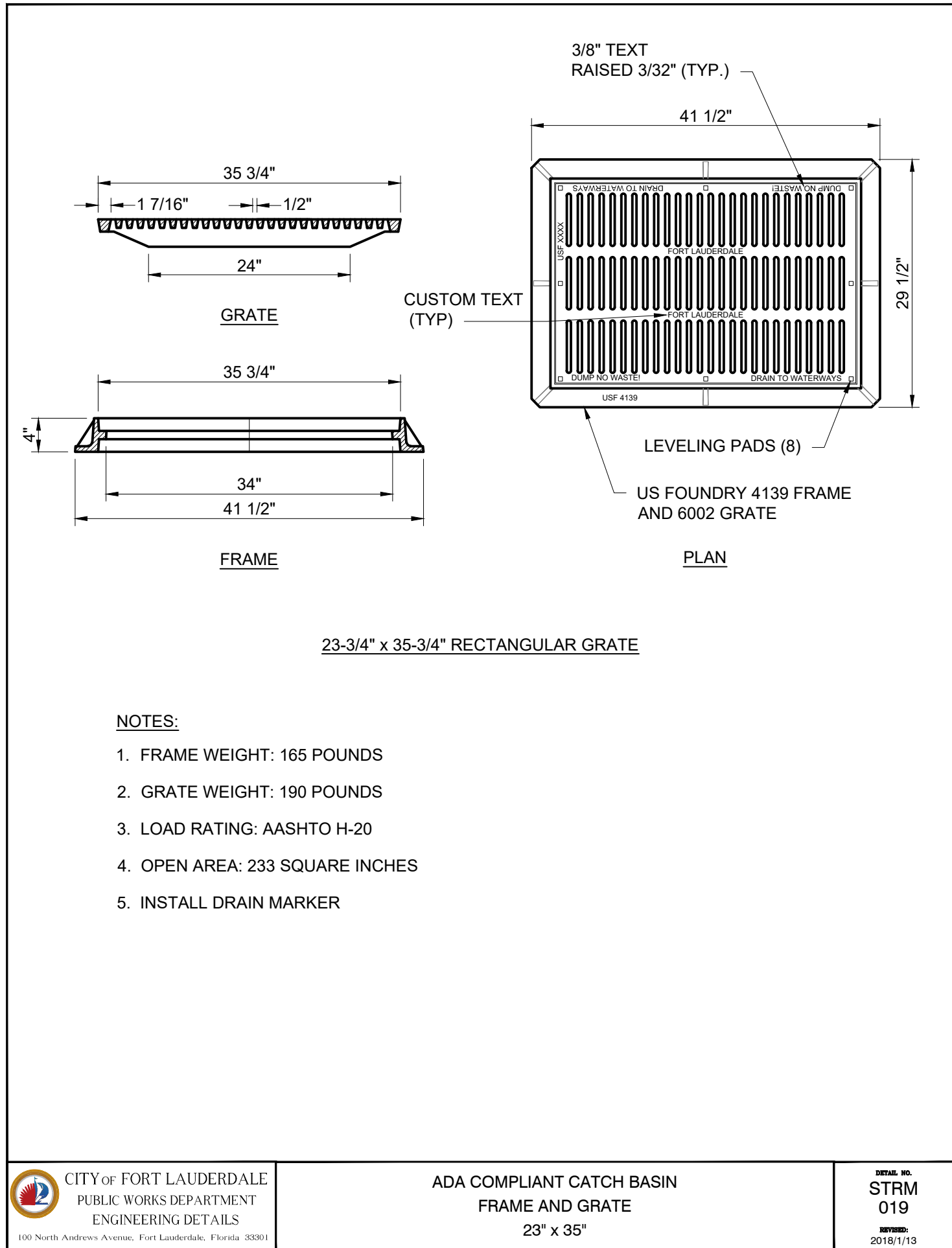
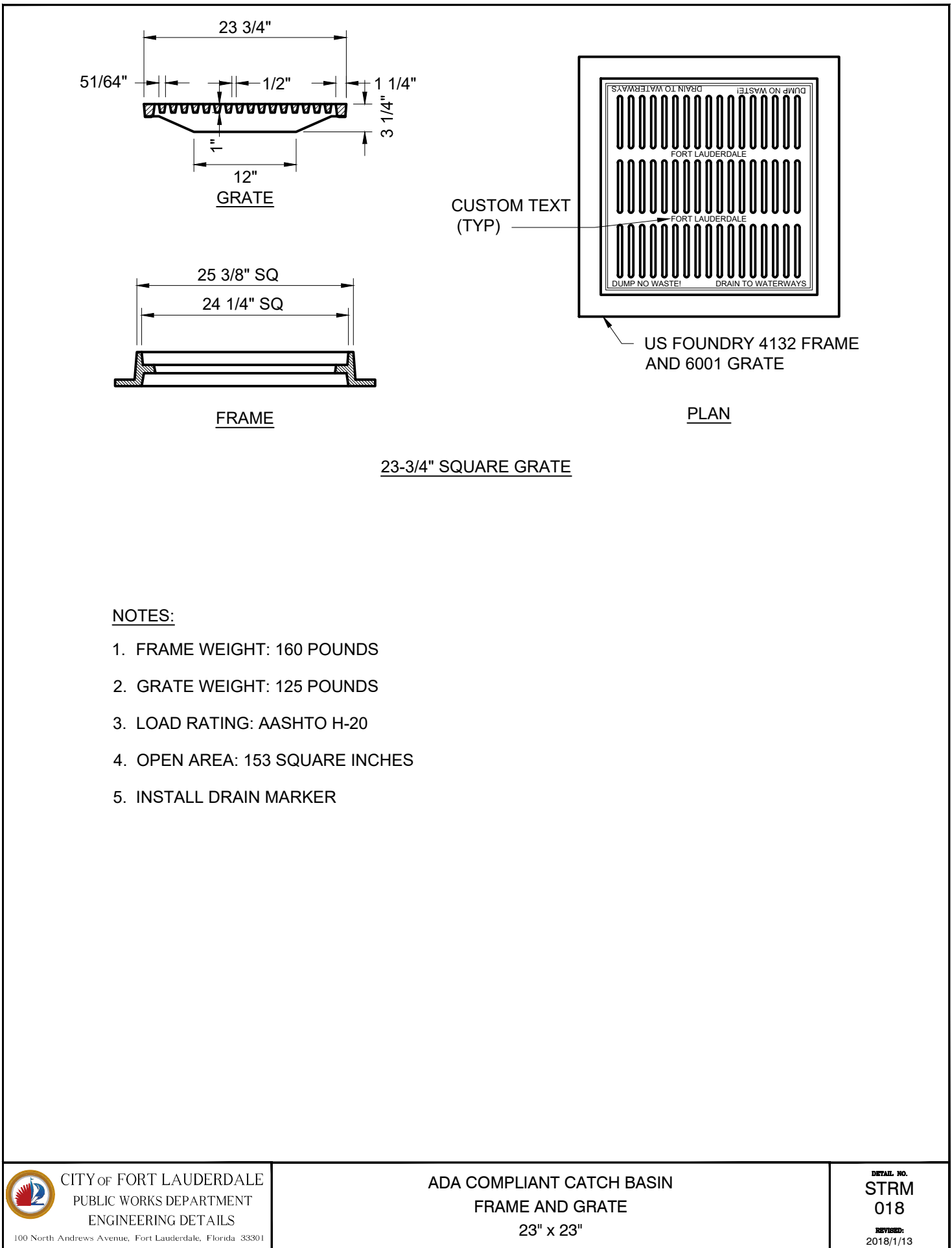
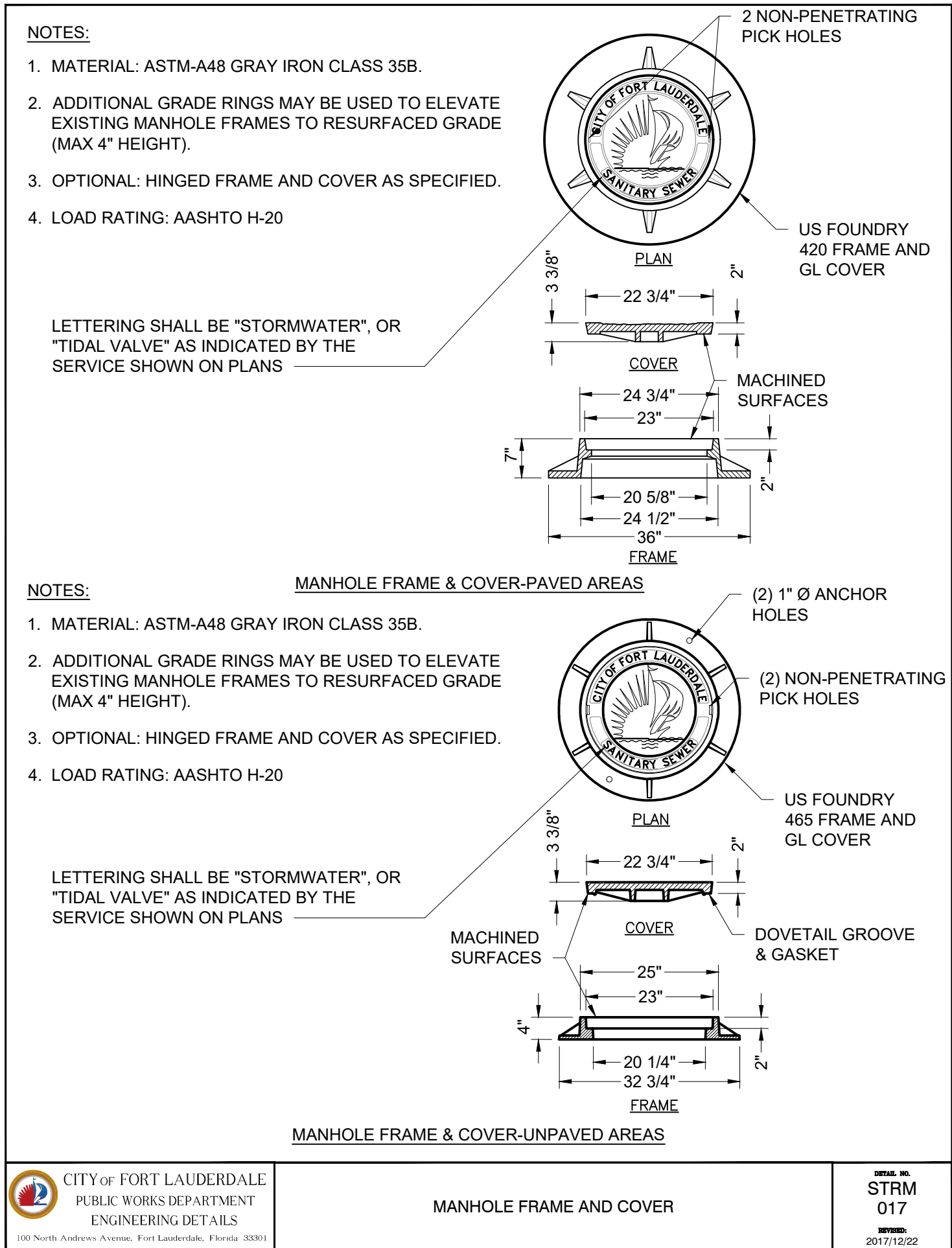
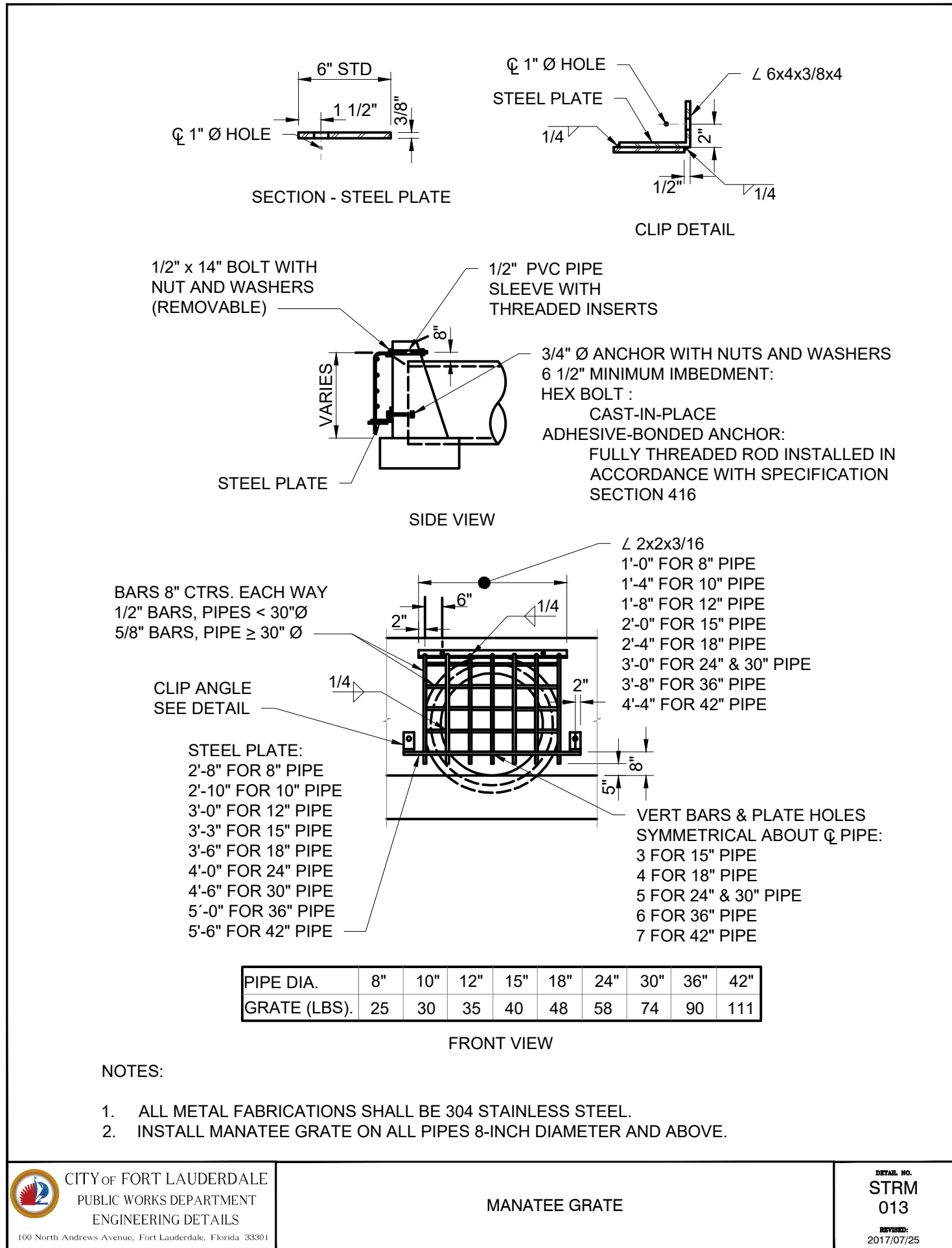
NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
STORM DRAINAGE DETAILS -  
SHEET 1

SHEET NO.  
**GC-06**  
TOTAL: 224  
CAD FILE: 11842-GC06  
DRAWING FILE NO. 4-142-65

BID SET





**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023

TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: CEW  
DATE: APRIL 2021

DESIGNED BY: SCALE: N/A

CHECKED BY: CEW

LMS

FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	REVISED	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
STORM DRAINAGE DETAILS -  
SHEET 2

SHEET NO.  
GC-07

TOTAL: 224

CAD FILE: 11842-GC07

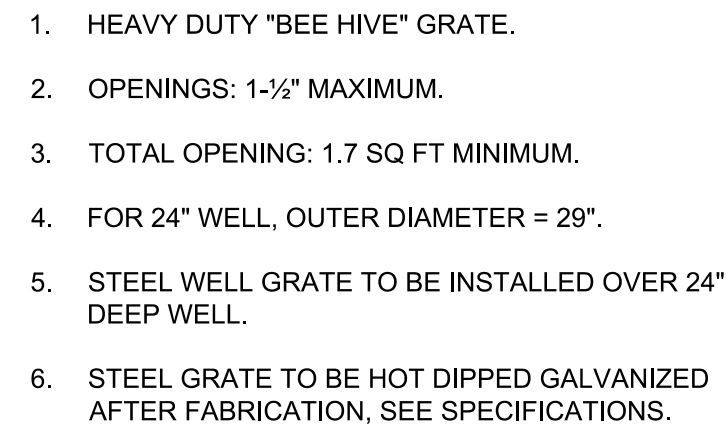
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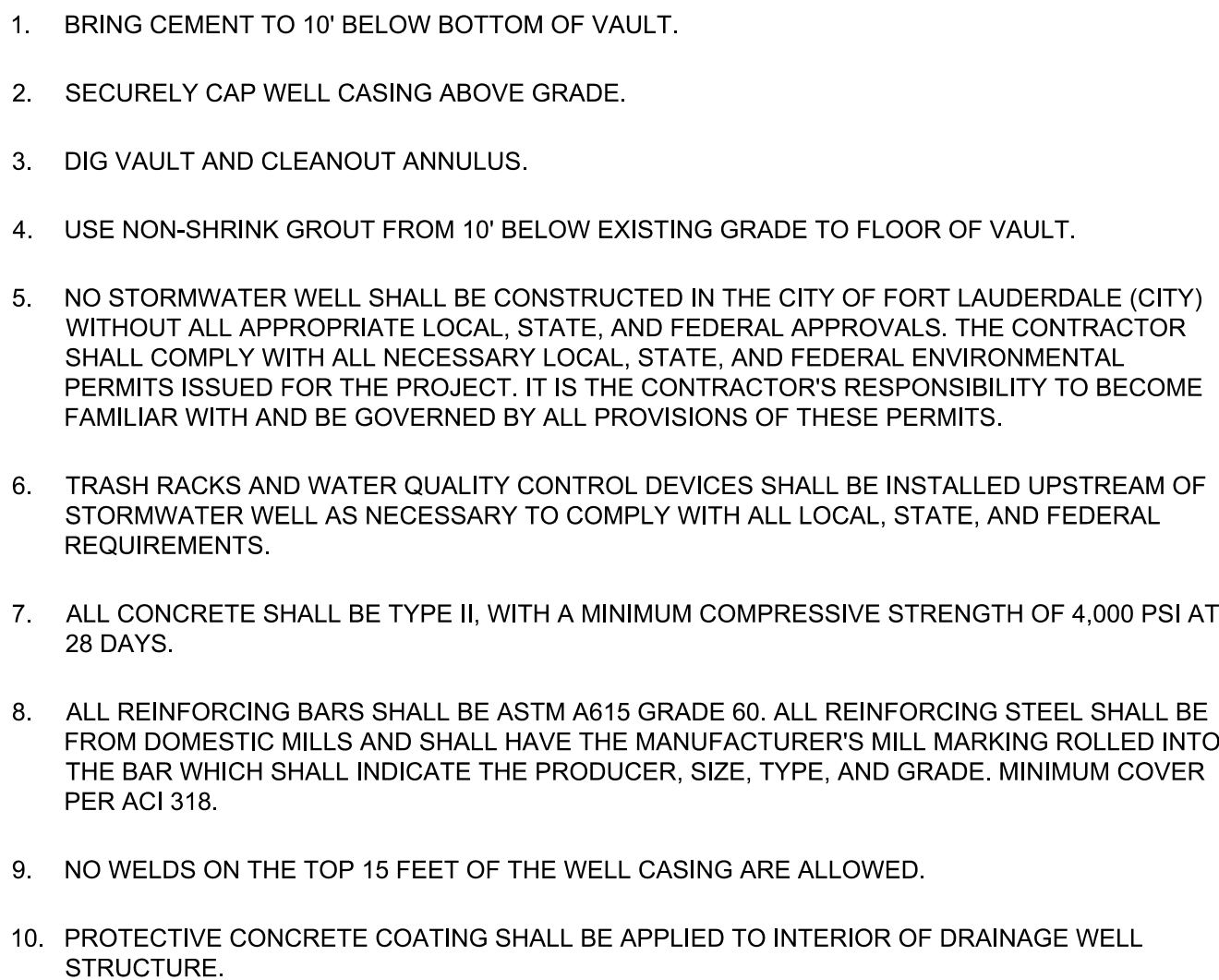
ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No. 44165  
DATE: 02/28/2023

TEL: 954-987-0066  
FAX: 954-987-2949



TOP SLAB PLAN

NOT USED



NOT USED

# BID SET

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
STORM DRAINAGE DETAILS -  
SHEET 3

SHEET NO.	
GC-08	
TOTAL:	224
CAD FILE:	
11842-GC08	
DRAWING FILE NO.	
4-142-65	



## SECTION



NOT USED

1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
3. POLLUTION RETARDANT BAFFLE TO BE FASTENED IN PLACE WITH 3/8"x4" STAINLESS STEEL "RED HEADS", OR APPROVED EQUAL.
4. FIBERGLASS BAFFLES ARE NOT PERMITTED.
5. MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.

NTS

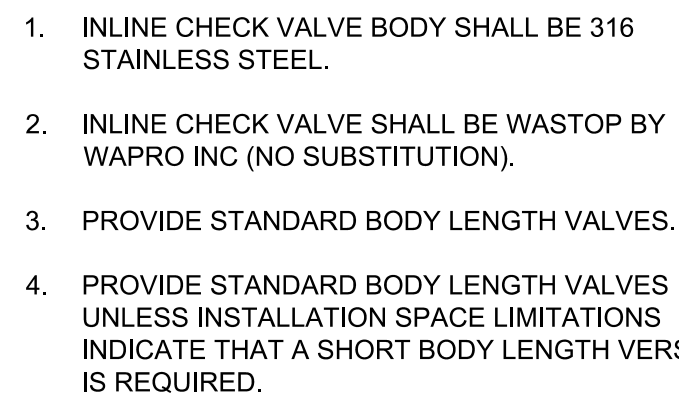
1. RECTANGULAR STRUCTURE
2. ROUND STRUCTURE



1. WINGED CONCRETE ENDWALL ARE INTENDED FOR USE OUTSIDE THE CLEAR ZONE.
2. CHAMFER ALL EXPOSED EDGE 3/4".
3. CONCRETE SHALL BE CLASS I, EXCEPT ASTM C478 (4000 PSI) CONCRETE MAY BE SUBSTITUTE FOR PRECAST ITEMS MANUFACTURED IN PLANTS MEETING THE REQUIREMENTS OF THE SPECIFICATIONS.

NTS

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NT:

NT:

SHEET NO.

TOTAL:	224
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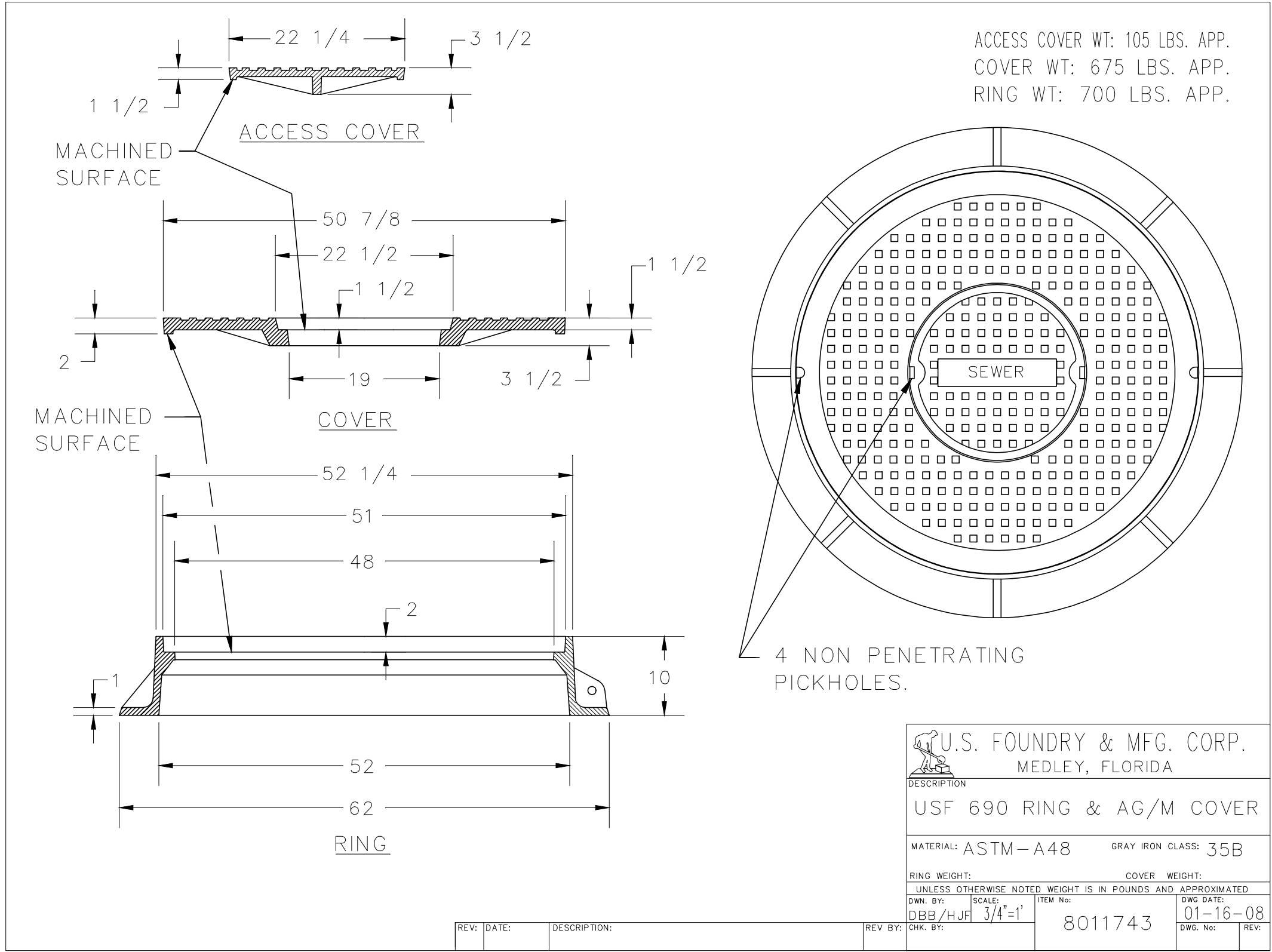
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DRAWING FILE NO.  
4-142-65

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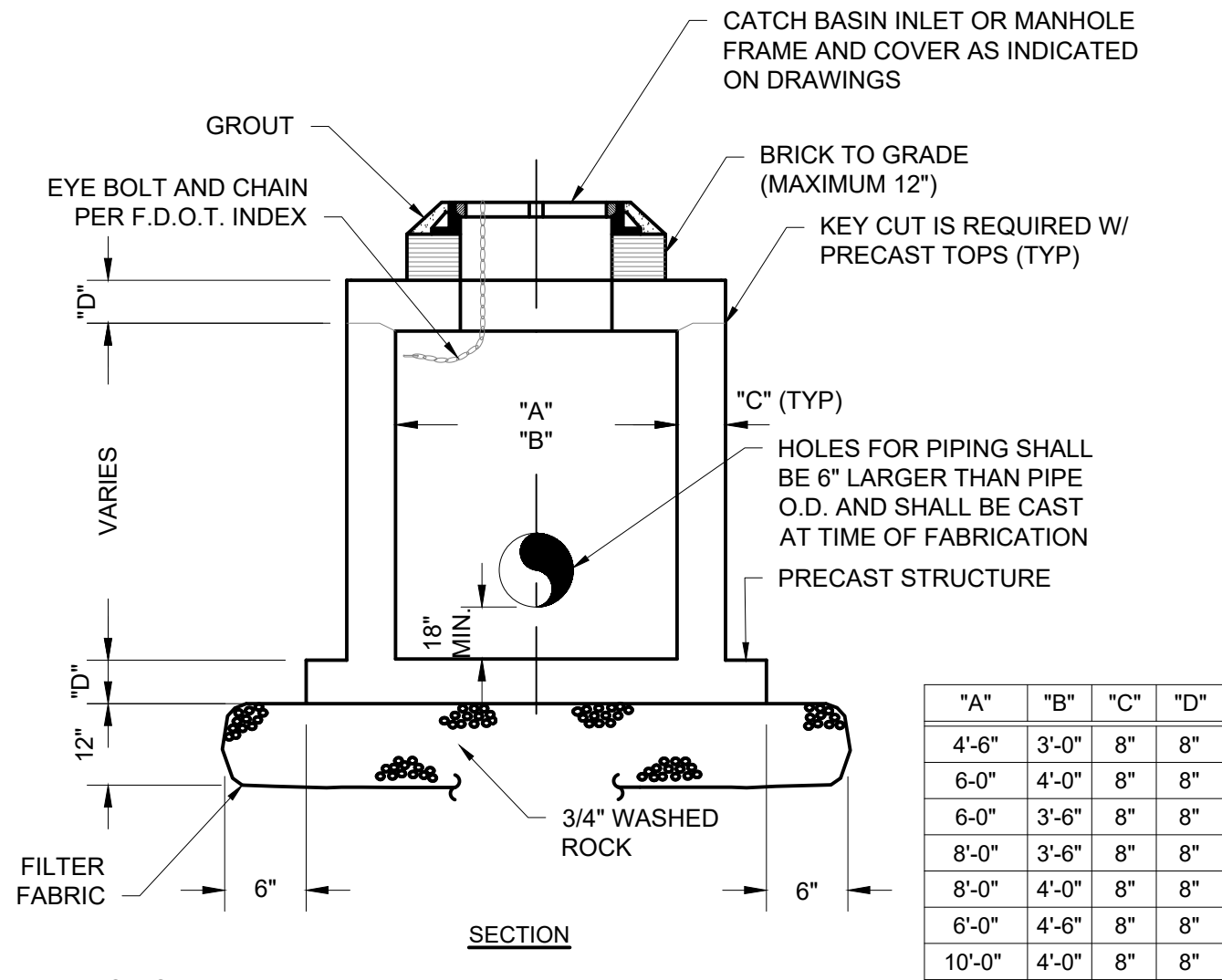




NOTES:

1. MANHOLE COVER WILL BE IN ACCORDANCE WITH U.S. FOUNDRY & MFG. CORP AS OUTLINED IN SECTION 02535 OF TECHNICAL SPECIFICATIONS.
2. ALL UNITS ARE INCHES.
3. TO BE USED FOR ALL STRUCTURES AS INDICATED IN THE SCHEDULE OF STRUCTURES.
4. LETTERING SHALL BE "STORMWATER"

DETAIL	7
NTS	-

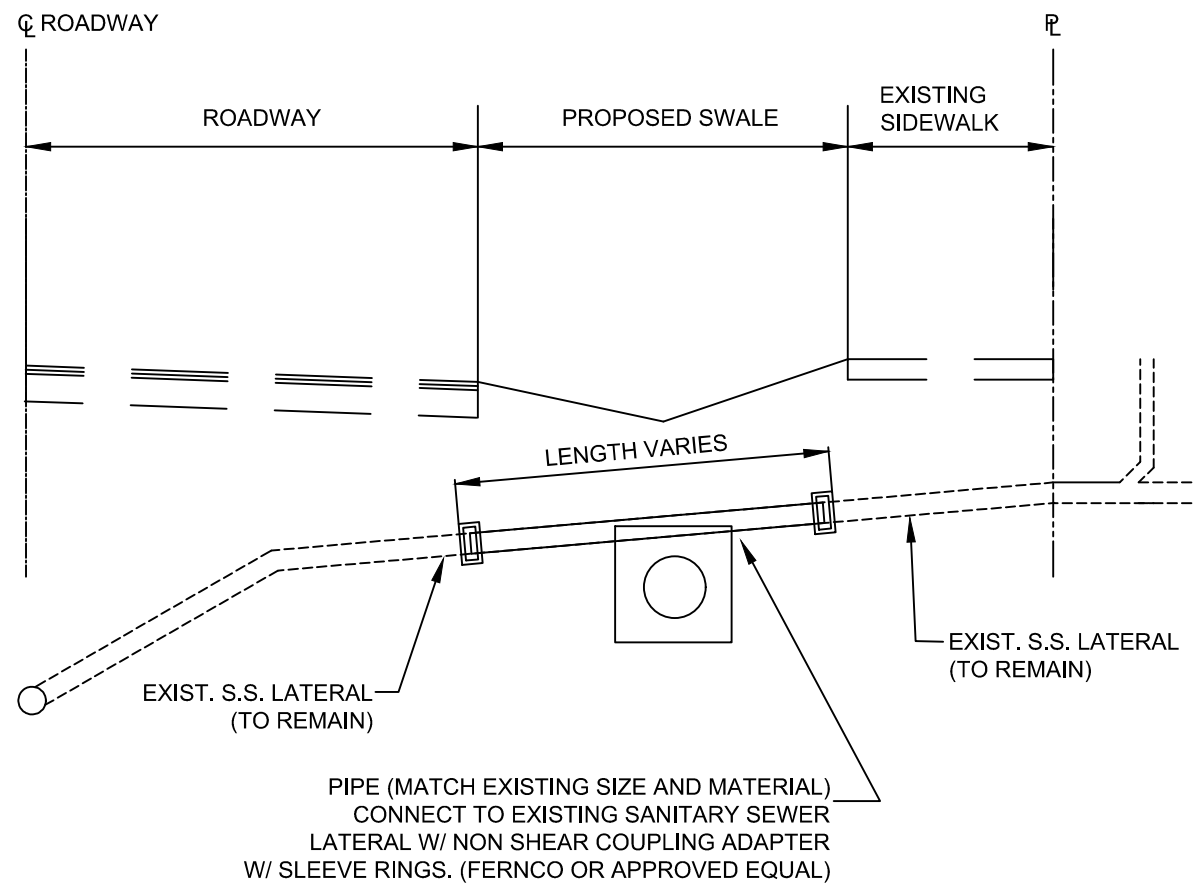


NOTES:

1. PRECAST STRUCTURE SHALL BE RECTANGULAR AS INDICATED ON THE PLANS.
2. REINFORCING SHALL BE DESIGNED BY THE PRECAST MANUFACTURER TO COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER'S REVIEW. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
4. DESIGN STRUCTURE FOR H-20 TRUCK LOAD.
5. SHOP DRAWINGS SHALL INCLUDE CALCULATIONS DEMONSTRATING THAT STRUCTURE WILL RESIST FLOATATION WHEN EMPTY AND SUBJECT TO GROUNDWATER TO TOP OF STRUCTURE.
6. REFER TO STRUCTURE TABLE DRAWINGS FOR FRAME AND COVER OR INLET GRATE TYPE.
7. STRUCTURES (INCLUDING GRATES) REFERRED TO AS TYPE "C" DITCH BOTTOM INLET OR TYPE "D" DITCH BOTTOM INLET SHALL COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.

PRECAST RECTANGULAR DRAINAGE STRUCTURE

DETAIL	8
NTS	-

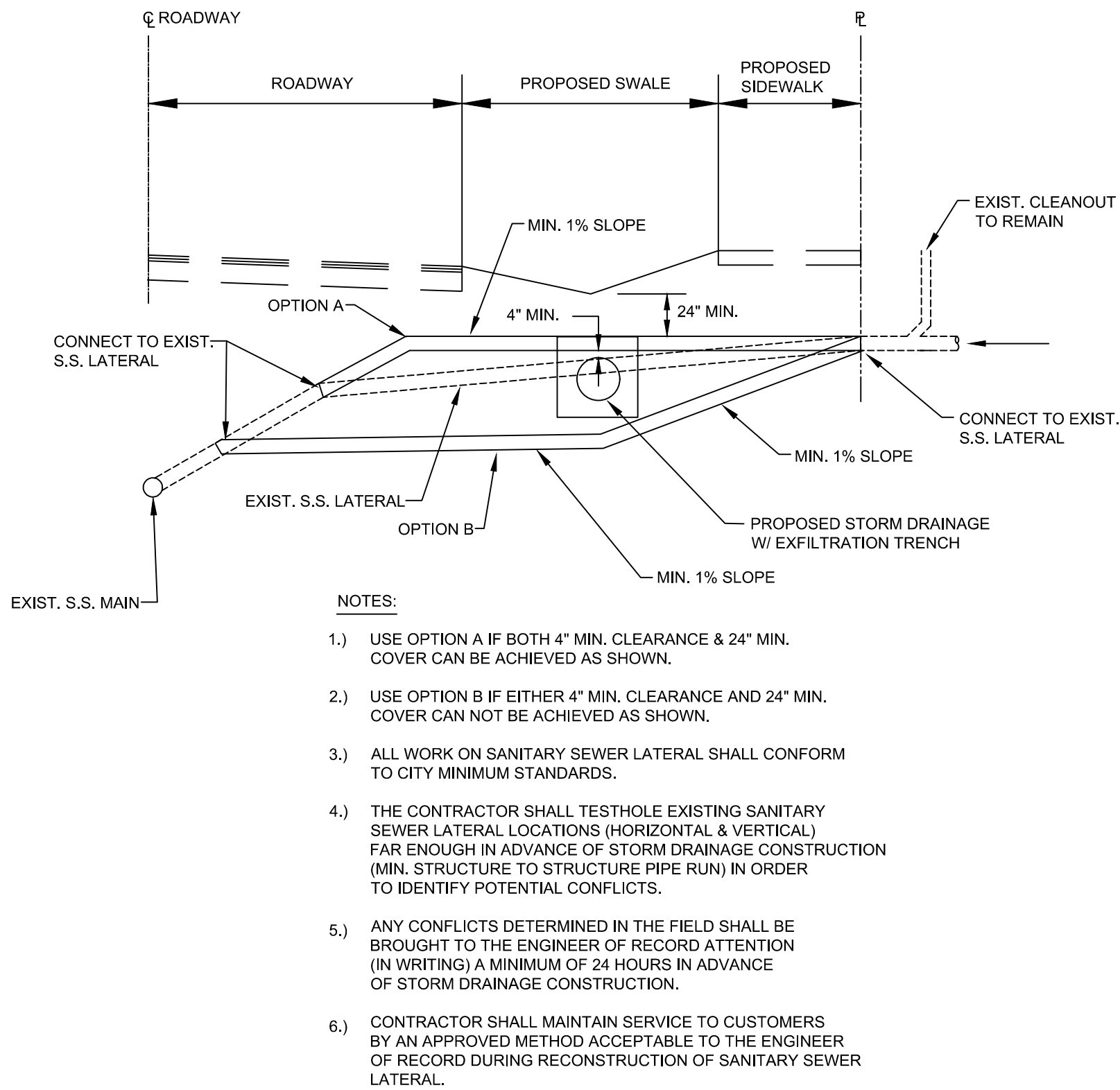


NOTES:

- 1.) ALL EXISTING SANITARY SEWER LATERALS TO BE REPAIRED, DUE TO BREAKAGE SHALL BE COMPLETED AS SOON AS POSSIBLE.
- 2.) EXISTING SANITARY SEWER SERVICE SHALL BE MAINTAINED AT ALL TIMES.

EXISTING SANITARY SEWER LATERAL REPAIR

DETAIL	9
NTS	-



NOTES:

- 1.) USE OPTION A IF BOTH 4" MIN. CLEARANCE & 24" MIN. COVER CAN BE ACHIEVED AS SHOWN.
- 2.) USE OPTION B IF EITHER 4" MIN. CLEARANCE AND 24" MIN. COVER CAN NOT BE ACHIEVED AS SHOWN.
- 3.) ALL WORK ON SANITARY SEWER LATERAL SHALL CONFORM TO CITY MINIMUM STANDARDS.
- 4.) THE CONTRACTOR SHALL TESTHOLE EXISTING SANITARY SEWER LATERAL LOCATIONS (HORIZONTAL & VERTICAL) FAR ENOUGH IN ADVANCE OF STORM DRAINAGE CONSTRUCTION (MIN. STRUCTURE TO STRUCTURE PIPE RUN) IN ORDER TO IDENTIFY POTENTIAL CONFLICTS.
- 5.) ANY CONFLICTS DETERMINED IN THE FIELD SHALL BE BROUGHT TO THE ENGINEER OF RECORD ATTENTION (IN WRITING) A MINIMUM OF 24 HOURS IN ADVANCE OF STORM DRAINAGE CONSTRUCTION.
- 6.) CONTRACTOR SHALL MAINTAIN SERVICE TO CUSTOMERS BY AN APPROVED METHOD ACCEPTABLE TO THE ENGINEER OF RECORD DURING RECONSTRUCTION OF SANITARY SEWER LATERAL.

PROPOSED STORM DRAINAGE/EXISTING SANITARY SEWER LATERAL CONFLICT

DETAIL	10
NTS	-

**Hazen**

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/28/2023

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FAX: 954-987-2949

DRAWN BY: CEW  
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DATE: APRIL 2021  
SCALE: AS NOTED

FIELD BOOK: ###

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS	NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
STORM DRAINAGE DETAILS -  
SHEET 5

SHEET NO.  
**GC-10**

TOTAL: 224

CAD FILE:  
11842-GC10

DRAWING FILE NO.  
4-142-65

BID SET



**Hazen**  
HAZEN AND SAWYER  
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HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
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DRAWN BY: DATE: APRIL 2021  
CEW  
DESIGNED BY: SCALE: AS NOTED  
CEW  
CHECKED BY: LMS  
FIELD BOOK: N/A

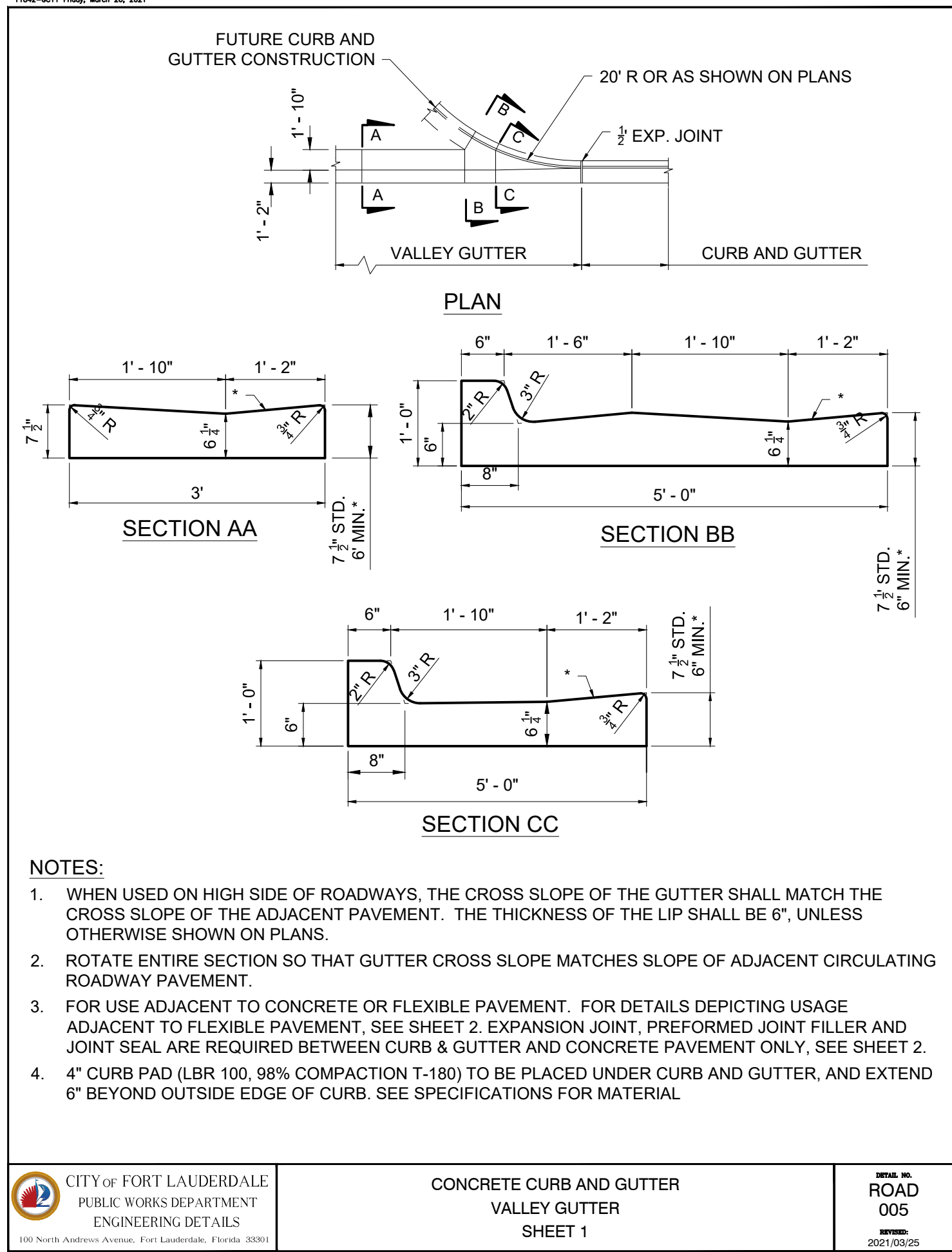
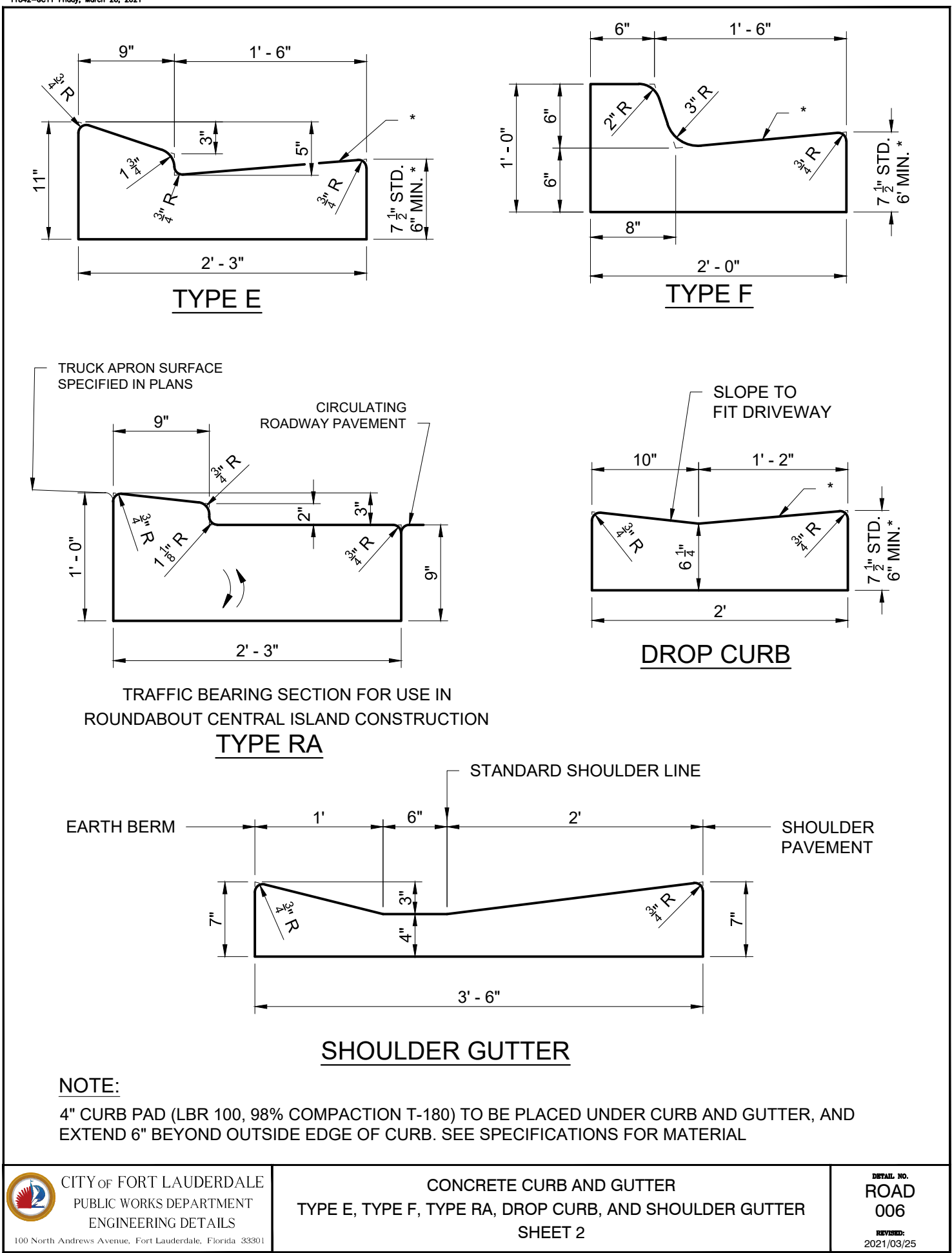
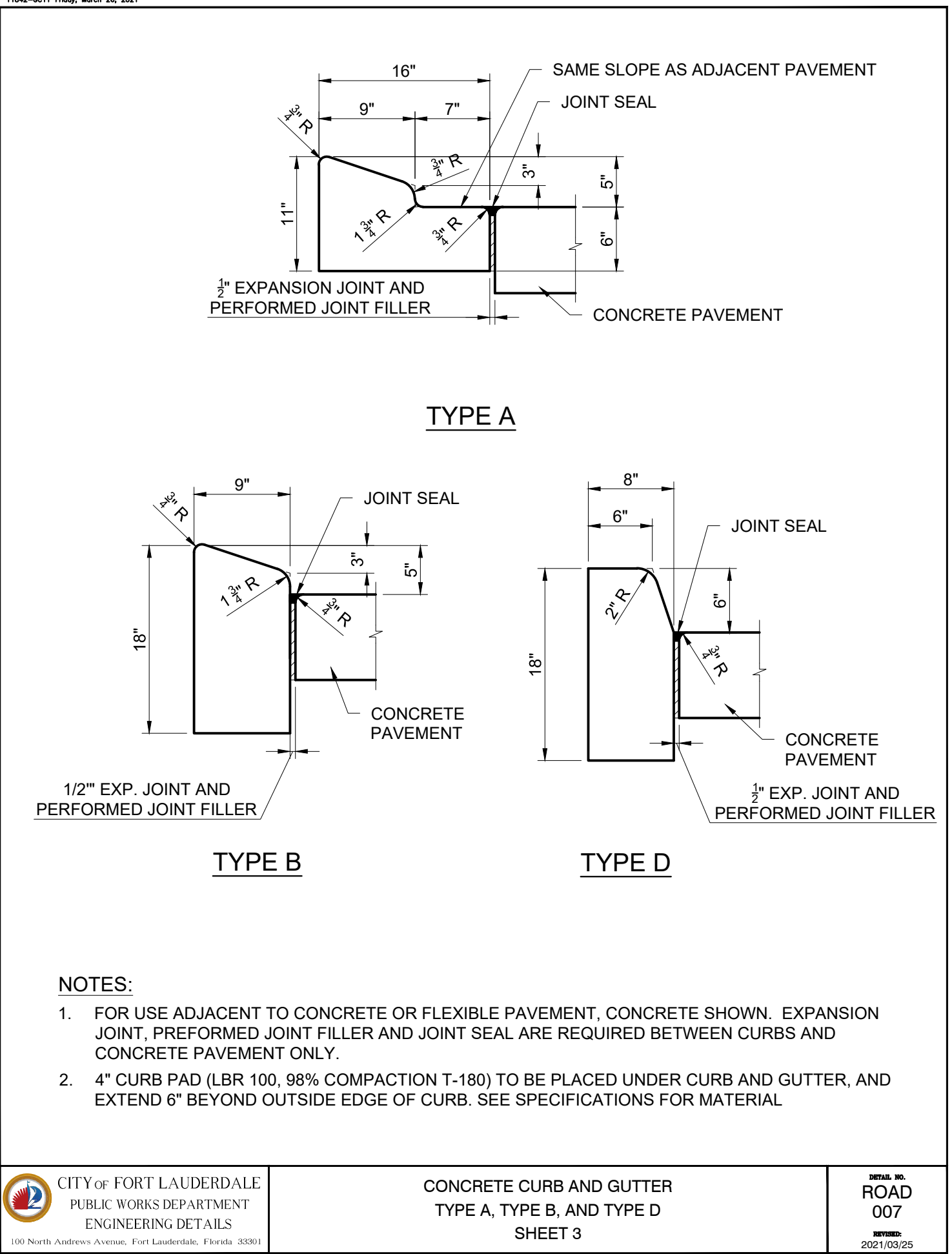
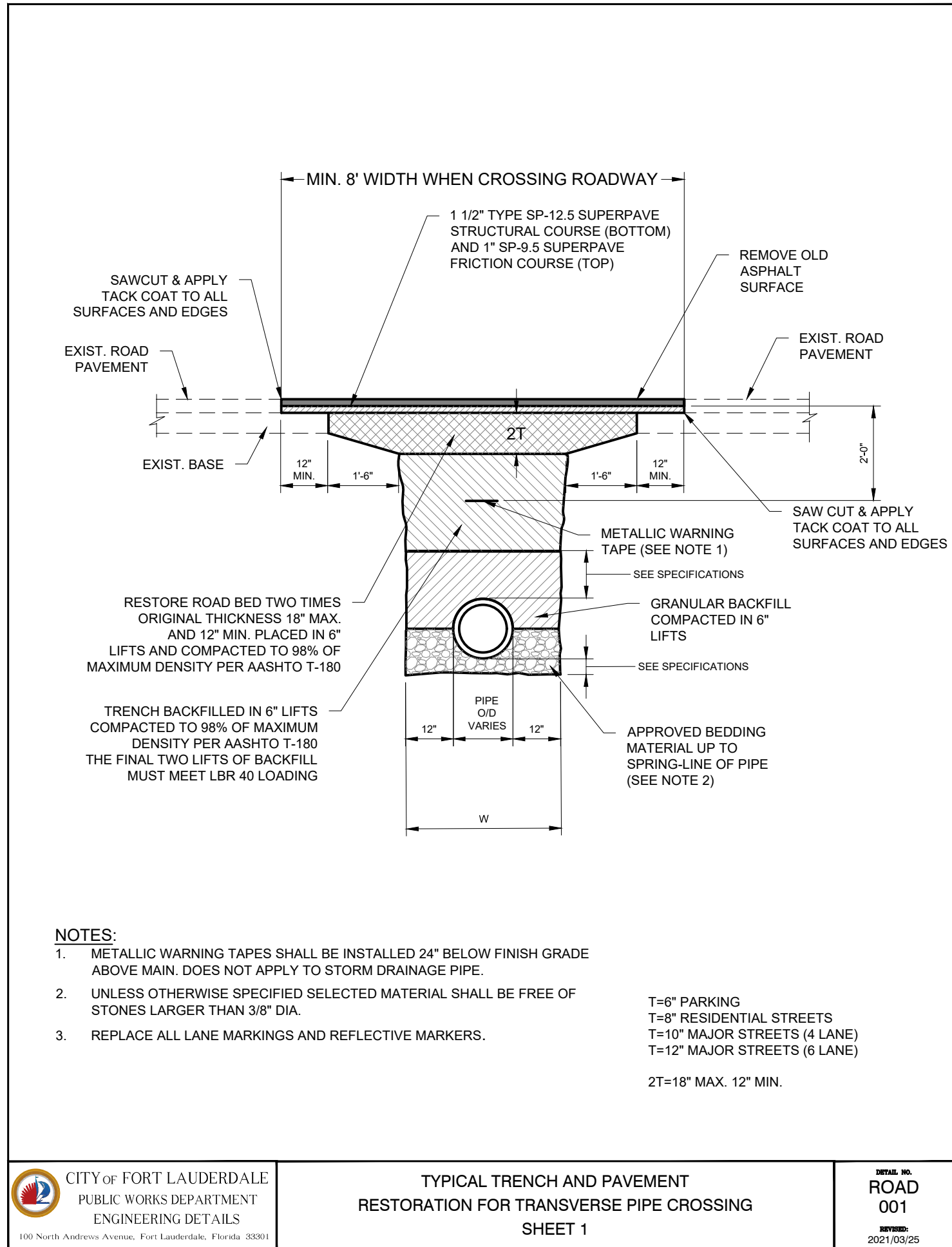
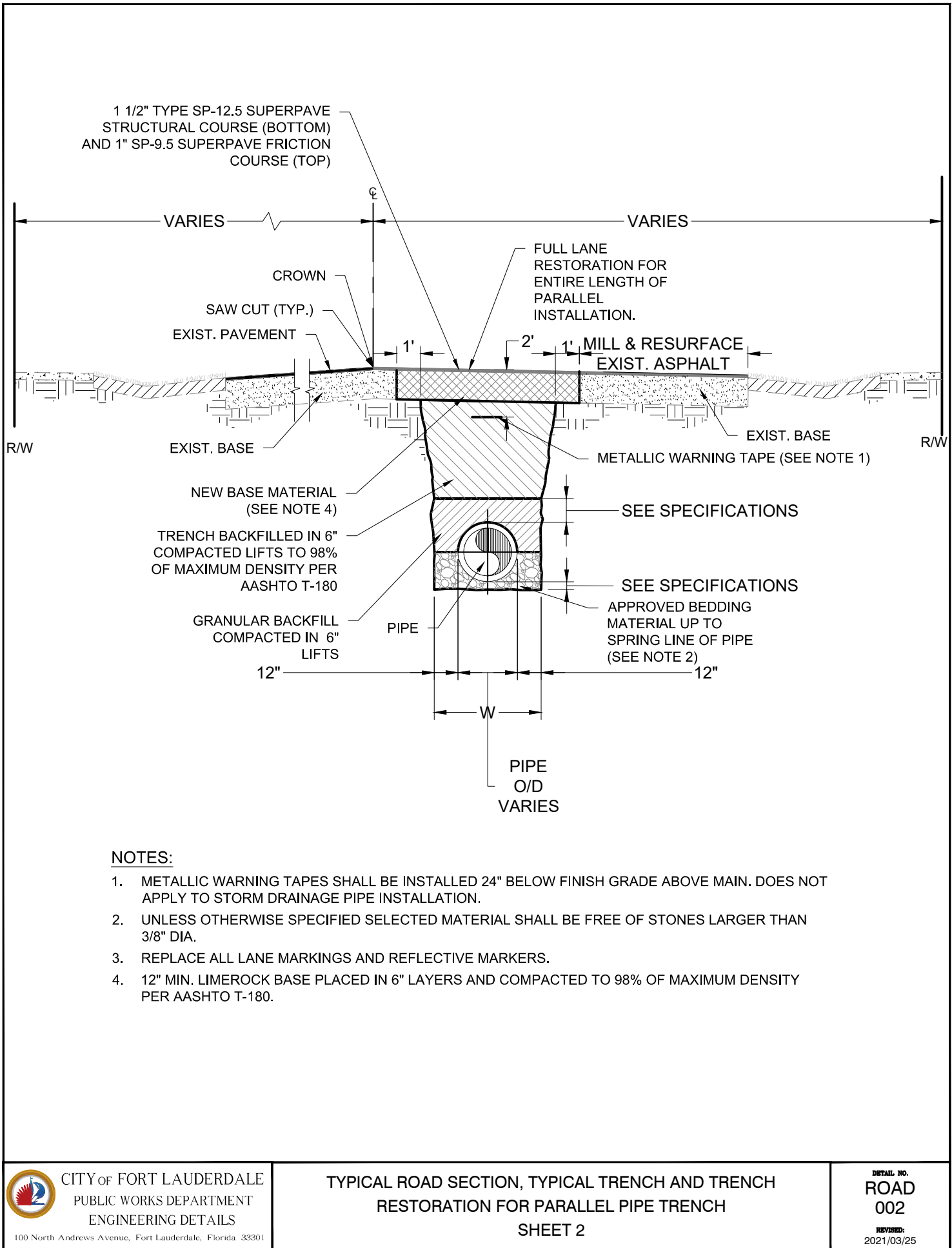
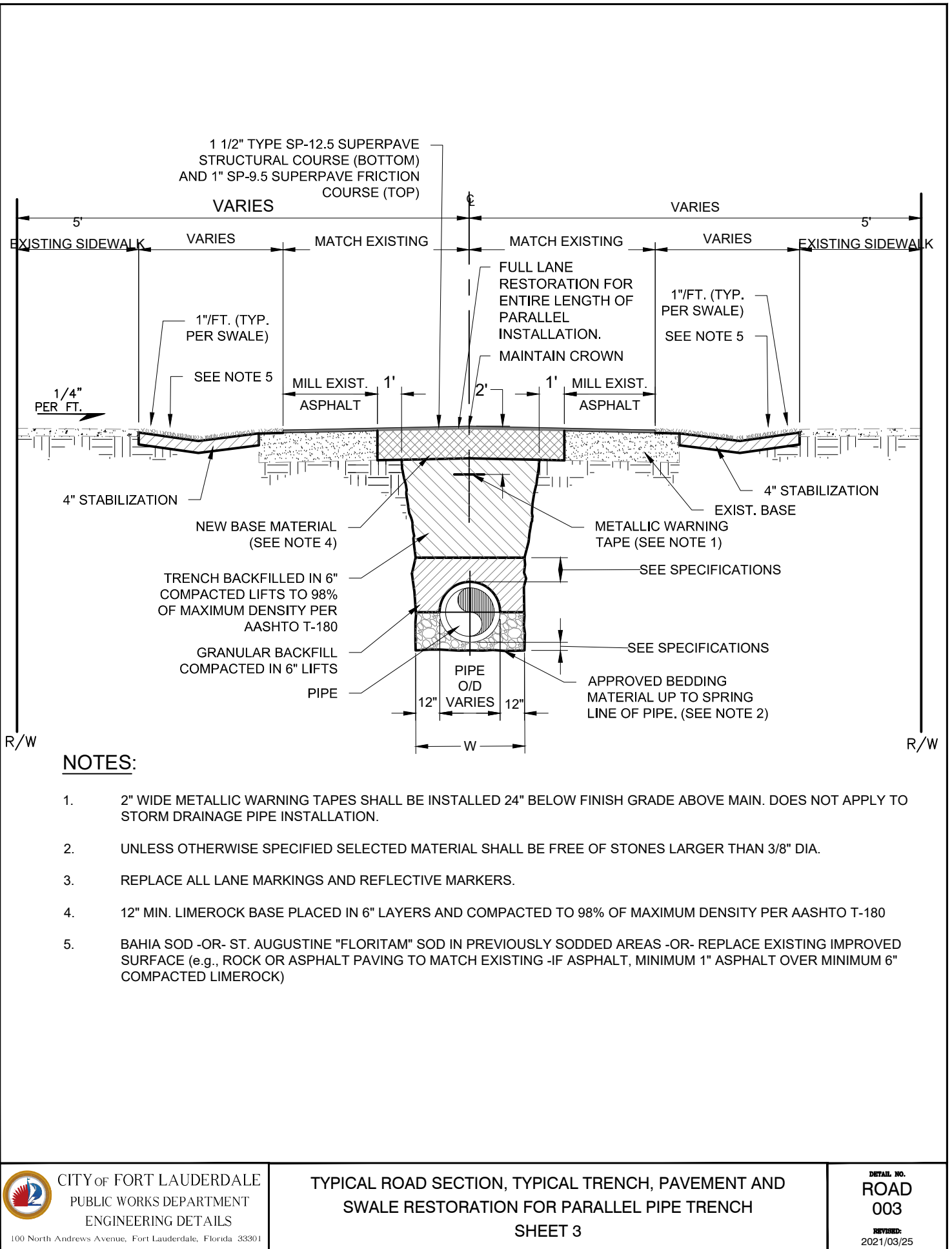
CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	REVISIONS		DESCRIPTION
	DATE	BY	

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING DETAILS -  
SHEET 1

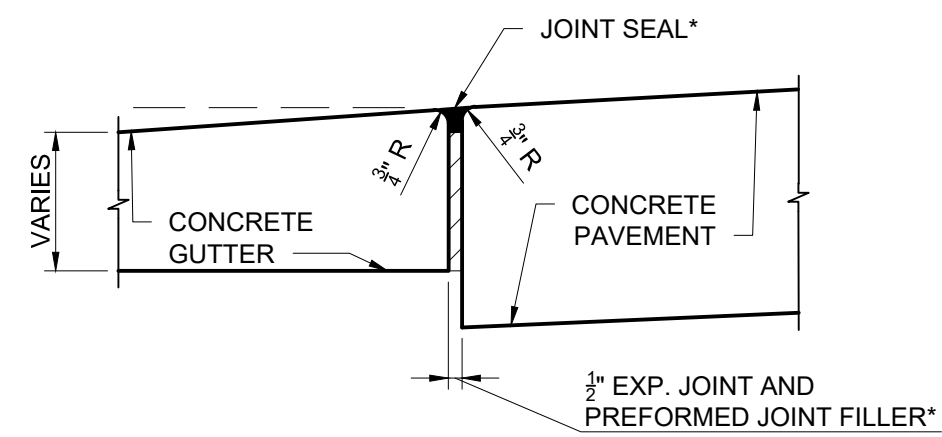
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**GC-11**  
TOTAL: 224  
CAD FILE: 11842-GC11  
DRAWING FILE NO. 4-142-65

BID SET





11842-GC12 Friday, March 26, 2021



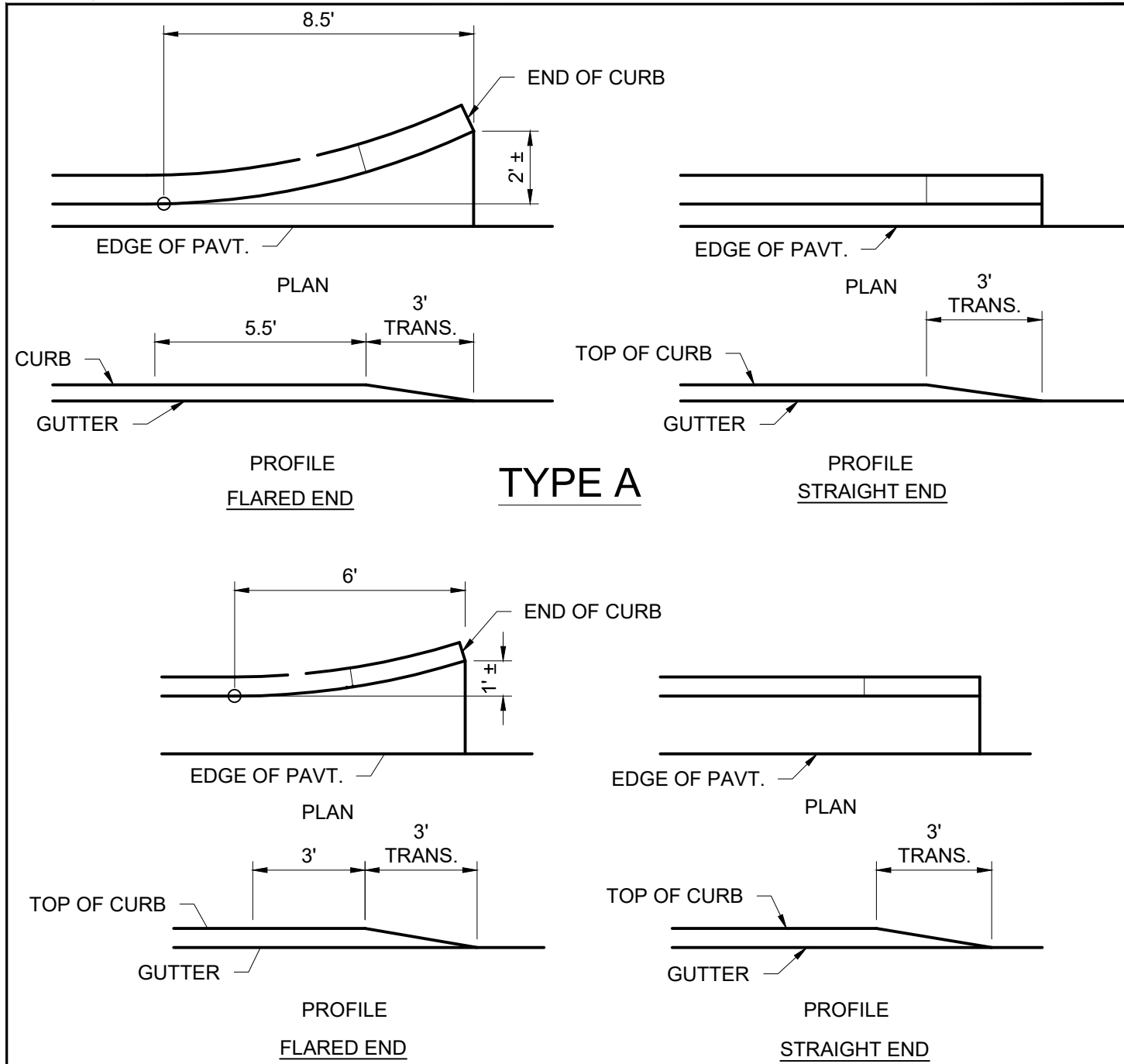
\* APPLIES TO BOTH HIGH AND LOW SIDES OF PAVEMENT, LOW SIDE SHOWN.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

CONCRETE CURB AND GUTTER  
EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT  
SHEET 4

ROAD NO.  
008  
DATE: 2021/03/25

11842-GC12 Friday, March 26, 2021



## NOTES:

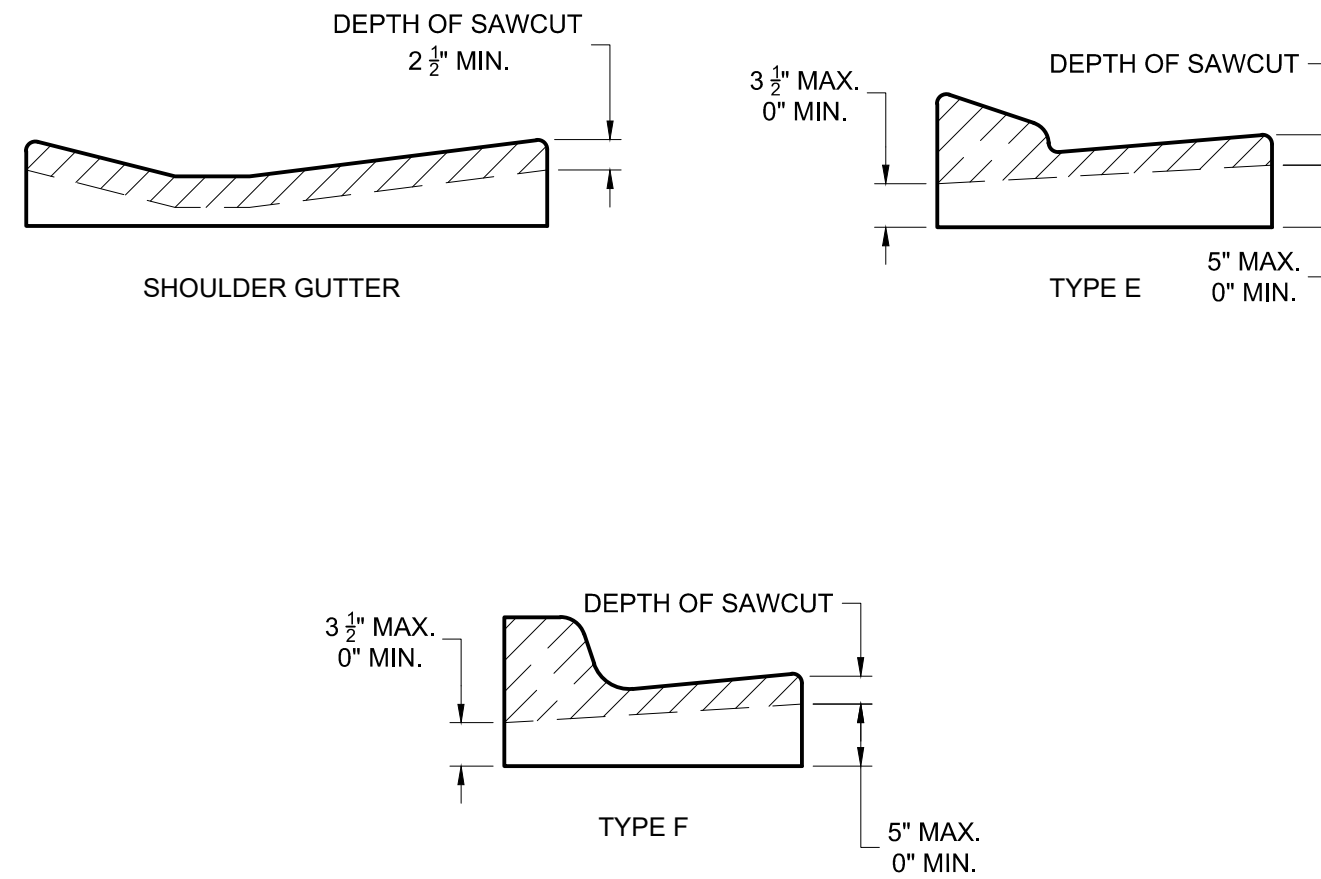
- FOR CURB, GUTTER AND CURB & GUTTER PROVIDE  $\frac{1}{8}$ " -  $\frac{1}{2}$ " CONTRACTION JOINTS AT 10' CENTERS (MAX.). CONTRACTION JOINTS ADJACENT TO CONCRETE PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS. CURB, GUTTER AND CURB & GUTTER EXPANSION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ENDS OF CURBS TYPES B AND D SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3'.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

CONCRETE CURB AND GUTTER  
CURB AND GUTTER ENDINGS  
SHEET 5

ROAD NO.  
009  
DATE: 2021/03/25

11842-GC12 Friday, March 26, 2021



SAWCUTS SHOULD BE AVOIDED WITHIN VALLEY GUTTER AND WITHIN CURB AND GUTTER ENDINGS.

## NOTES:

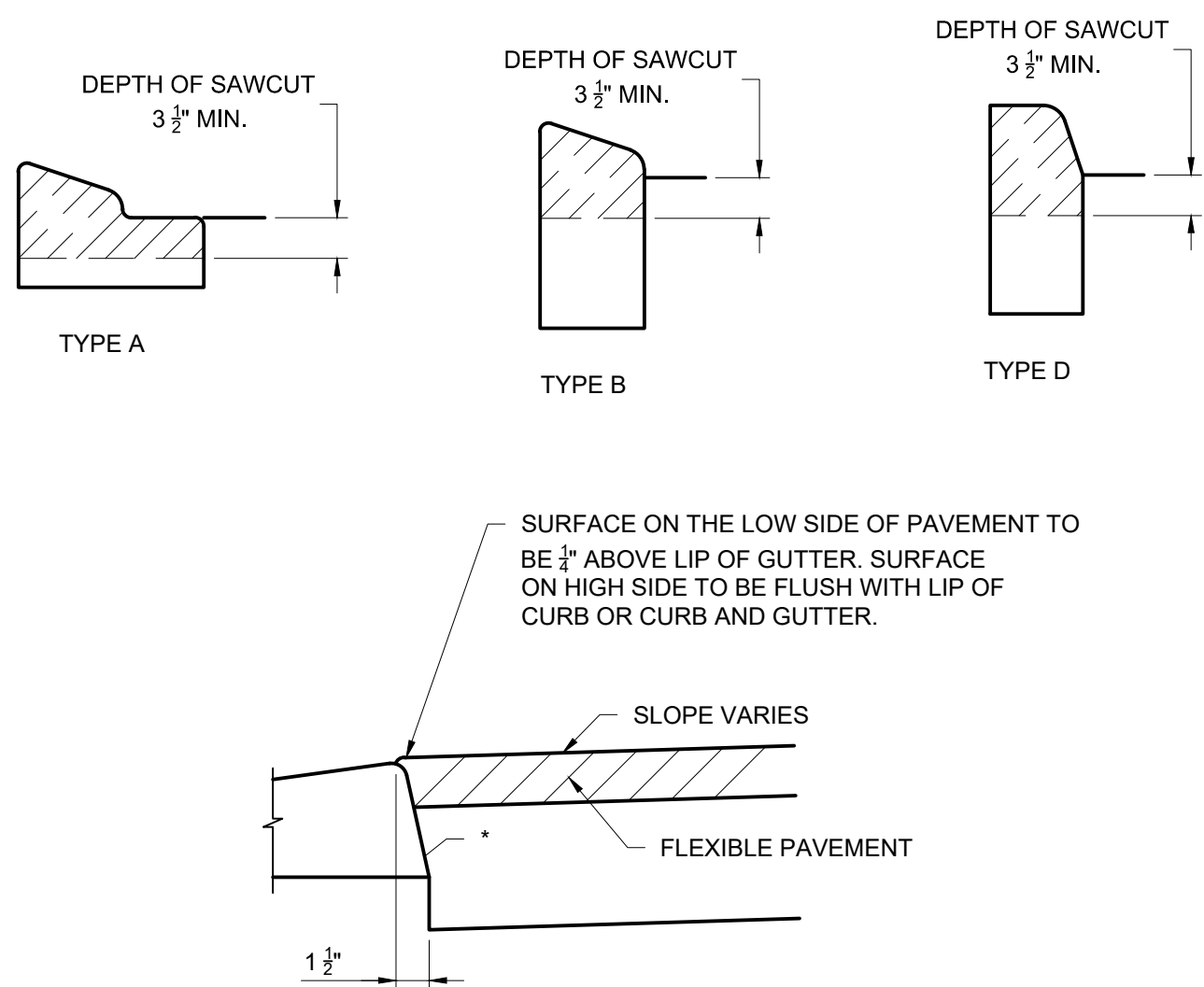
- FOR CURB, GUTTER AND CURB & GUTTER PROVIDE  $\frac{1}{8}$ " -  $\frac{1}{2}$ " CONTRACTION JOINTS AT 10' CENTERS (MAX.). CONTRACTION JOINTS ADJACENT TO CONCRETE PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS. CURB, GUTTER AND CURB & GUTTER EXPANSION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ENDS OF CURBS TYPES B AND D SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3'.
- WHEN USED ON HIGH SIDE OF ROADWAY, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6" UNLESS OTHERWISE SHOWN.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

CONCRETE CURB AND GUTTER  
CONTRACTION JOINT IN CURB  
SHEET 6

ROAD NO.  
010  
DATE: 2021/03/25

11842-GC12 Friday, March 26, 2021

\* APPLIES TO BOTH HIGH AND LOW SIDES OF PAVEMENT, LOW SIDE SHOWN.  
APPLIES TO SHOULDER GUTTER ONLY WHERE ADJOINING TRAFFIC LANES.

## NOTES:

- FOR CURB, GUTTER AND CURB & GUTTER PROVIDE  $\frac{1}{8}$ " -  $\frac{1}{2}$ " CONTRACTION JOINTS AT 10' CENTERS (MAX.). CONTRACTION JOINTS ADJACENT TO CONCRETE PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS. CURB, GUTTER AND CURB & GUTTER EXPANSION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ENDS OF CURBS TYPES B AND D SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3'.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

CONCRETE CURB AND GUTTER  
CONTRACTION JOINT IN CURB  
SHEET 7

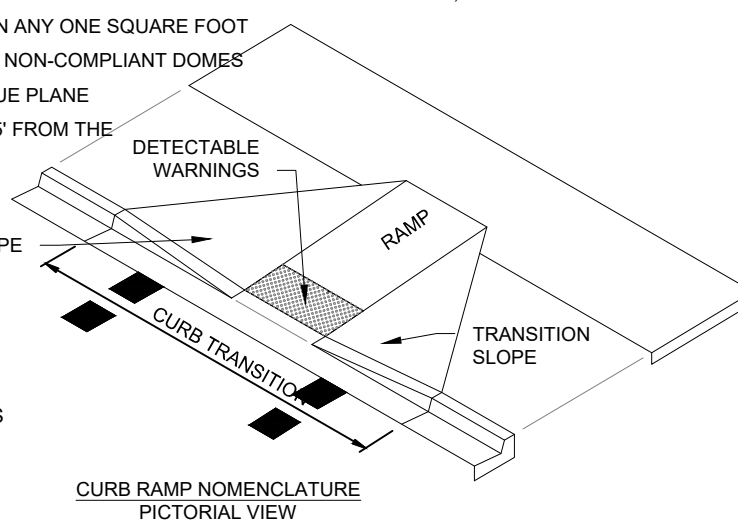
ROAD NO.  
011  
DATE: 2021/03/25

11842-GC12 Friday, March 26, 2021

## GENERAL NOTES

- SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED AT LOCATIONS THAT WILL PROVIDE CONTINUOUS UNOBSTRUCTED PEDESTRIAN CIRCULATION PATH TO PEDESTRIAN AREAS, ELEMENTS AND FACILITIES WITHIN THE RIGHT OF WAY AND TO ACCESSIBLE PEDESTRIAN ROUTES ON ADJACENT SITES. CURBED FACILITIES WITH SIDEWALKS AND THOSE WITHOUT SIDEWALKS ARE TO HAVE CURB RAMPS CONSTRUCTED FOR ALL INTERSECTIONS AND TURNOUTS WITH CURBED RETURNS. TO ACCOMMODATE CURB RAMPS, PARTIAL CURB RETURNS ARE TO EXTEND TO THE LIMITS PRESCRIBED IN FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION. RAMPS CONSTRUCTED AT LOCATIONS WITHOUT SIDEWALKS ARE TO HAVE A LANDING CONSTRUCTED AT THE TOP OF EACH RAMP. SEE LANDINGS FOR CURB RAMPS WITHOUT SIDEWALKS.
- WHEN ALTERING EXISTING PEDESTRIAN FACILITIES, WHERE EXISTING RESTRICTED CONDITIONS PRECLUDE THE ACCOMMODATION OF A RAMP SLOPE OF 1:12, A RAMP SLOPE BETWEEN 1:12 AND 1:10 IS PERMITTED FOR A RISE OF 6" MAXIMUM. WHERE COMPLIANCE WITH THE REQUIREMENTS FOR CROSS SLOPE CANNOT BE FULLY MET, THE MINIMUM FEASIBLE CROSS SLOPE SHALL BE PROVIDED. RAMP SLOPES ARE NOT REQUIRED TO EXCEED 15' IN LENGTH.
- IF SIDEWALK CURB RAMPS ARE LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, THEN PROVIDE TRANSITION SLOPES TO THE RAMP, OTHERWISE A SIDEWALK CURB MAY BE REQUIRED.
- ALL SIDEWALKS, RAMPS, AND LANDINGS WITH A CROSS SLOPE OF 0.02 SHOWN IN THIS INDEX ARE 0.02 MAXIMUM. ALL RAMP SLOPES SHOWN IN THIS INDEX AS 1:12 ARE 1:12 MAXIMUM. LANDINGS SHALL HAVE SLOPES LESS THAN OR EQUAL TO 0.02 IN ANY DIRECTION.
- GRADE BREAKS AT THE TOP AND BOTTOM OF RAMPS SHALL BE PARALLEL TO EACH OTHER AND PERPENDICULAR TO THE DIRECTION OF THE RAMP SLOPE.
- WHERE A SIDEWALK CURB RAMP IS CONSTRUCTED WITHIN EXISTING CURB, CURB AND GUTTER AND/OR SIDEWALK, THE EXISTING CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE CURB TRANSITION OR TO THE EXTENT THAT NO REMAINING SECTION OF CURB OR CURB AND GUTTER IS LESS THAN 5' LONG. EXISTING SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5' LONG. FOR CONCRETE SIDEWALK DETAILS REFER TO FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
- SIDEWALK CURB RAMP ALPHA-IDENTIFICATIONS ARE FOR REFERENCE PURPOSES (PLANS, PERMITS, ETC.). ALPHA-IDENTIFICATIONS CR-J AND CR-K WERE INTENTIONALLY OMITTED.
- DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE RAMP AND TO A DEPTH OF 2' DETECTABLE WARNINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS. FOR THE LAYOUT OF DETECTABLE WARNINGS, REFER TO THE TYPICAL PLACEMENT OF DETECTABLE WARNINGS DETAILS. DETECTABLE WARNINGS SHALL NOT BE PROVIDED ON TRANSITION SLOPES.
- WHEN DETECTABLE WARNINGS ARE PLACED ON A SLOPE GREATER THAN 5%, DOMES SHALL BE ALIGNED WITH THE CENTERLINE OF THE RAMP; OTHERWISE DOMES ARE NOT REQUIRED TO BE ALIGNED.
- DETECTABLE WARNINGS SHALL BE REQUIRED ON SIDEWALKS AND SHARED USE PATHS AT:
  - INTERSECTING ROADS
  - MEDIAN CROSSINGS GREATER THAN OR EQUAL TO 6' IN WIDTH
  - RAILROAD CROSSINGS
  - SIGNALIZED DRIVEWAYS
- DETECTABLE WARNINGS - ACCEPTANCE CRITERIA:
  - COLOR AND TEXTURE SHALL BE COMPLETE AND UNIFORM
  - 90% OF INDIVIDUAL TRUNCATED DOMES SHALL BE IN
  - ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT STANDARDS FOR TRANSPORTATION FACILITIES, SECTION 705
  - THERE SHALL BE NO MORE THAN 4 NON-COMPLIANT DOMES IN ANY ONE SQUARE FOOT
  - NON-COMPLIANT DOMES SHALL NOT BE ADJACENT TO OTHER NON-COMPLIANT DOMES
  - SURFACES SHALL NOT DEVIATE MORE THAN 0.10" FROM A TRUE PLANE
- DETECTABLE WARNINGS SHALL BE INSTALLED NO GREATER THAN 5' FROM THE BACK OF CURB OR EDGE OF PAVEMENT.
- DETECTABLE WARNINGS SHALL NOT BE INSTALLED OVER GRADE BREAKS.

LEGEND  
DETECTABLE WARNINGS

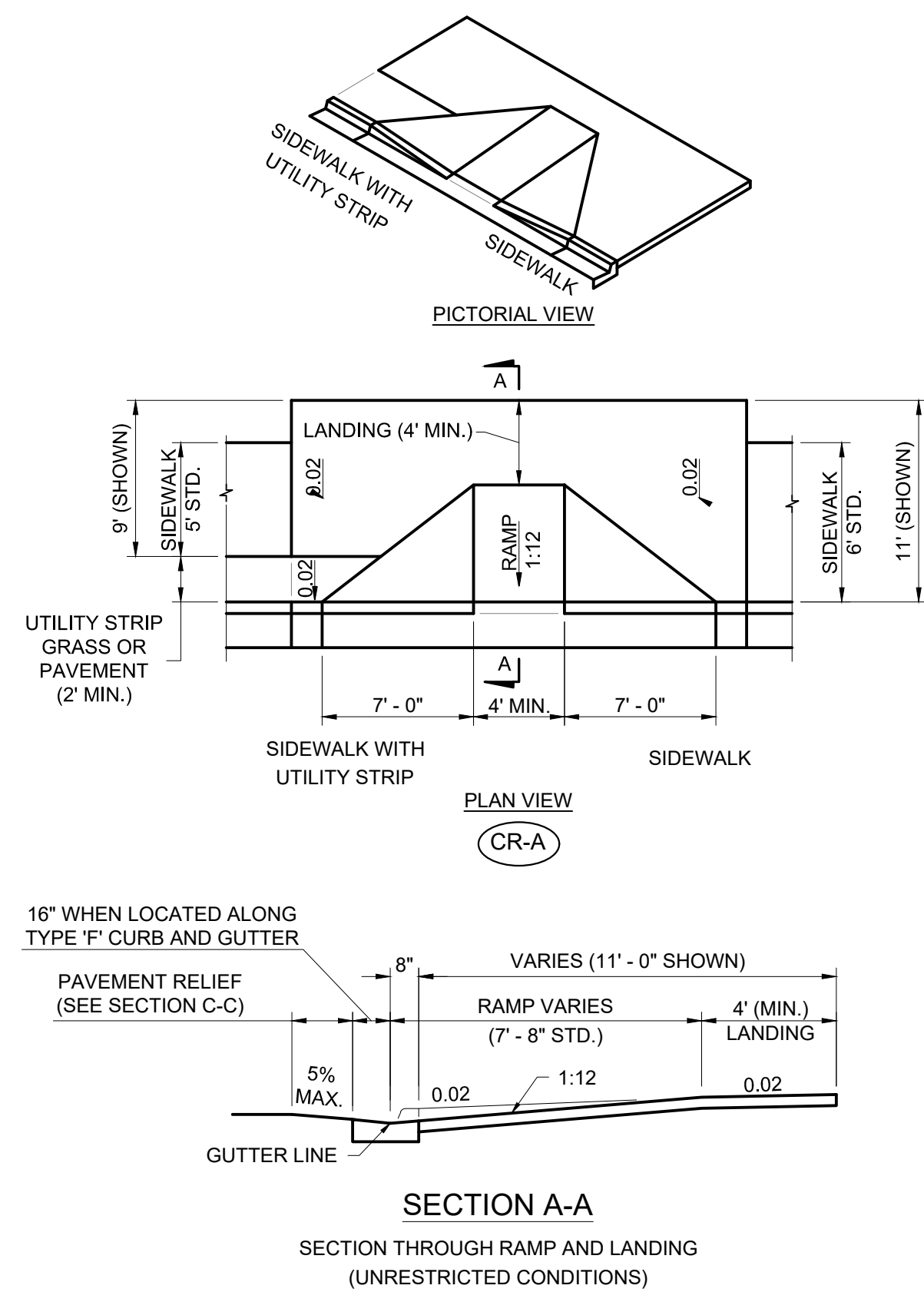


CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS

ROAD NO.  
013  
DATE: 2021/03/25

11842-GC12 Friday, March 26, 2021



RAMP AND LANDING DEPTHS NOT RESTRICTED

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS

SIDEWALK CURB RAMPS

ROAD NO.  
014  
DATE: 2021/03/25

**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR.  
REG. NO. 44165  
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FAX: 954-987-2949

DRAWN BY: CEW  
DATE: APRIL 2021  
DESIGNED BY: CEW  
SCALE: N/A  
CHECKED BY: LMS  
FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	REVISIONS		DESCRIPTION
	DATE	BY	

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING DETAILS -  
SHEET 2

SHEET NO.

GC-12

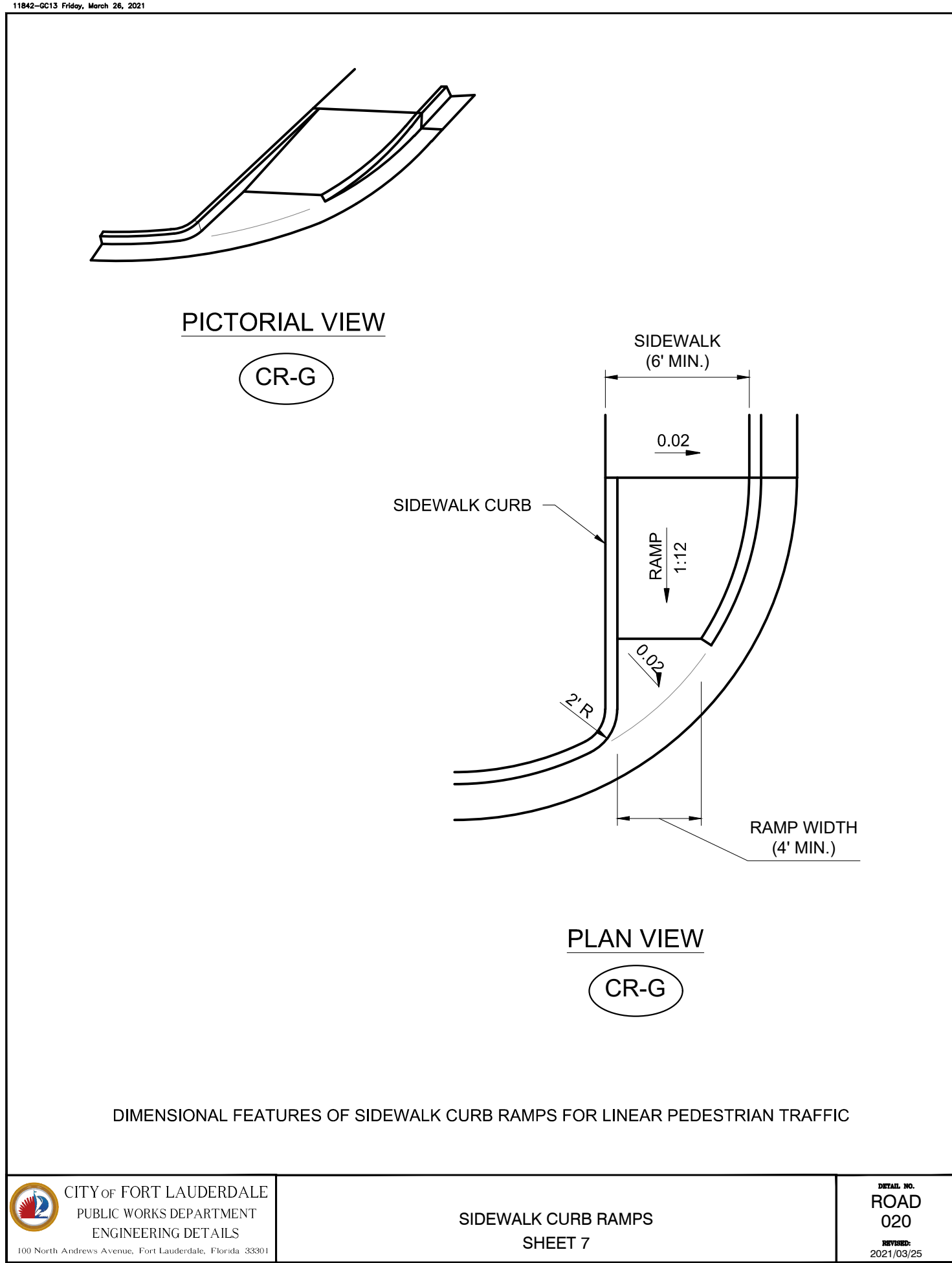
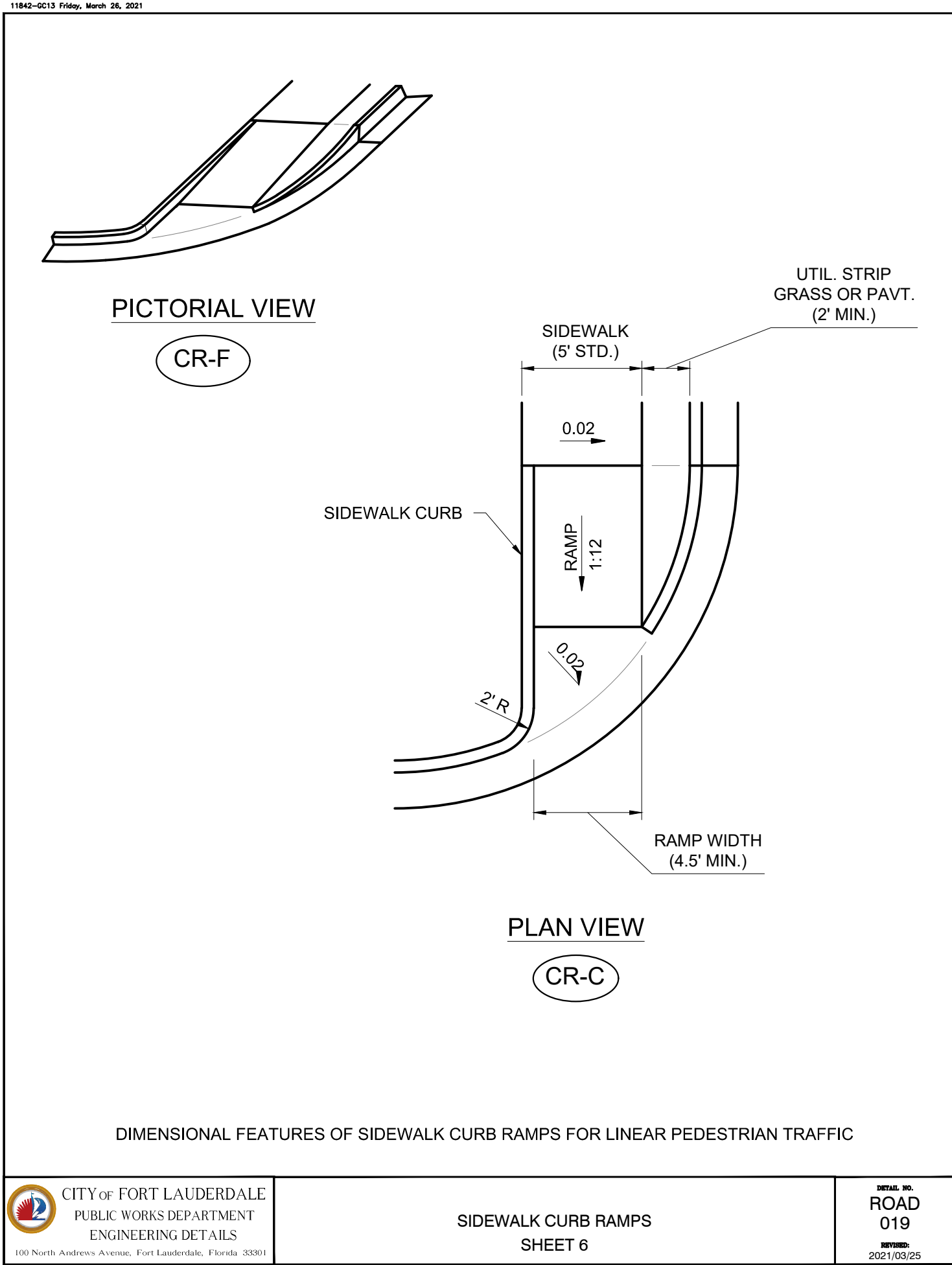
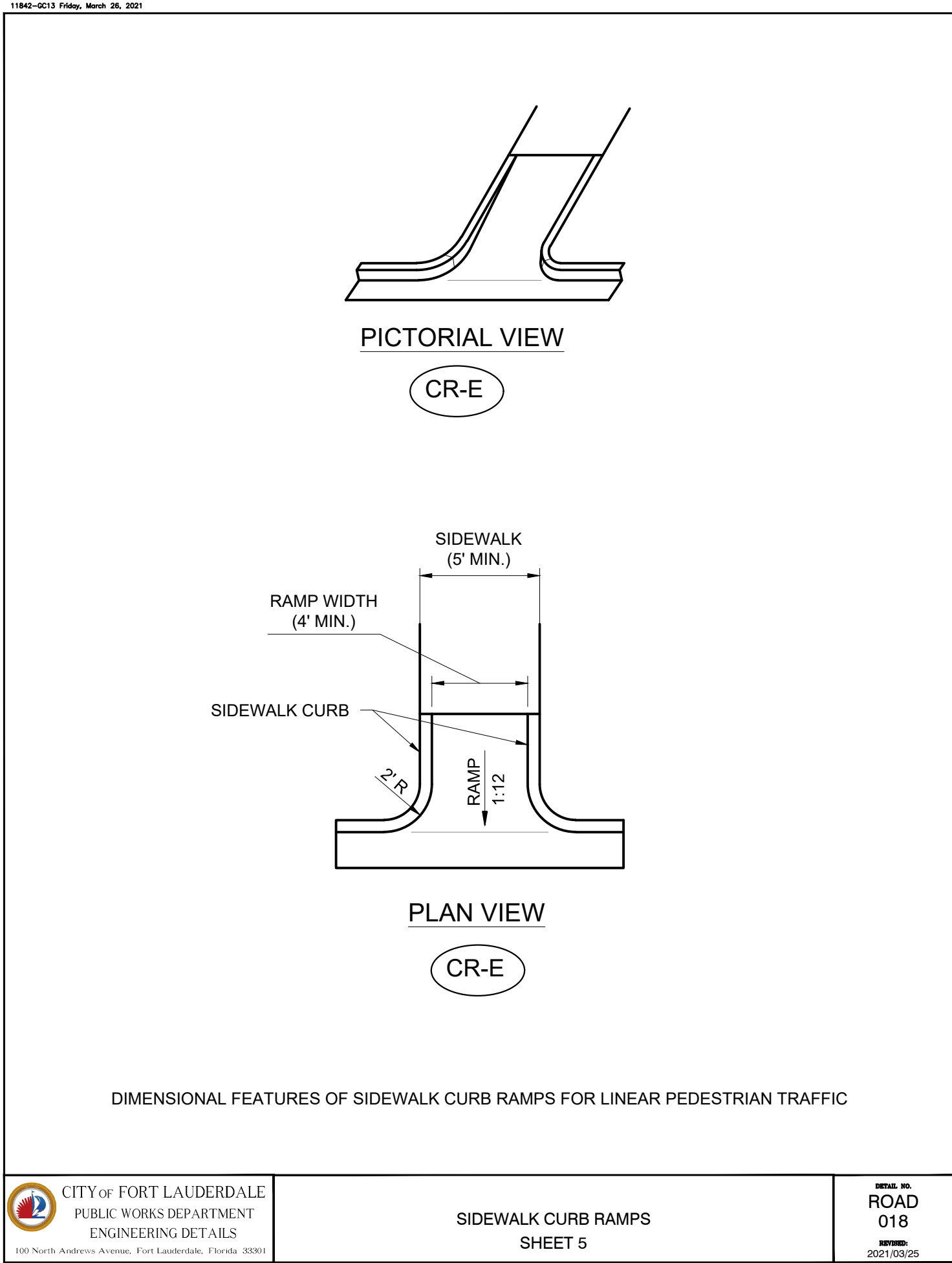
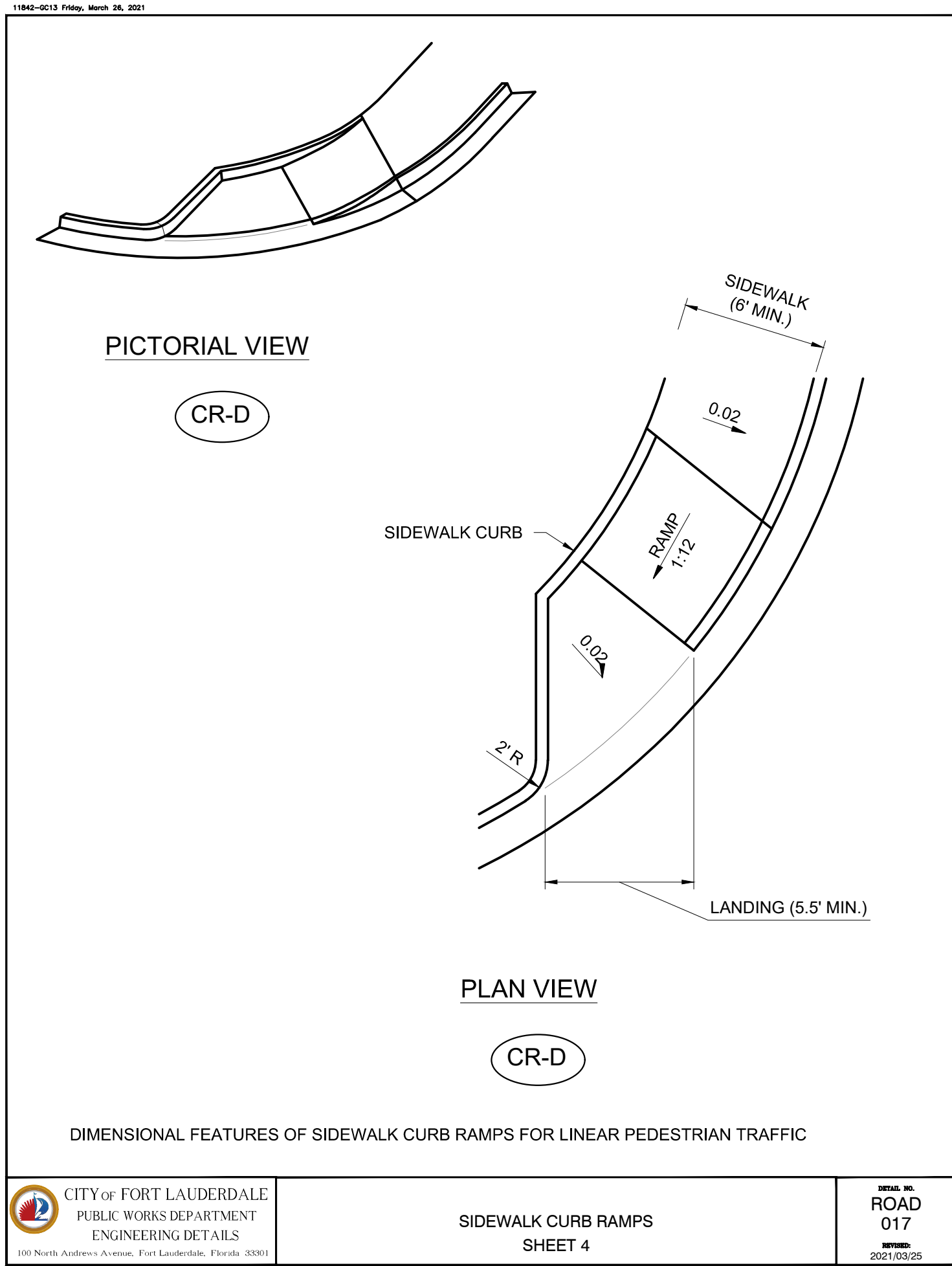
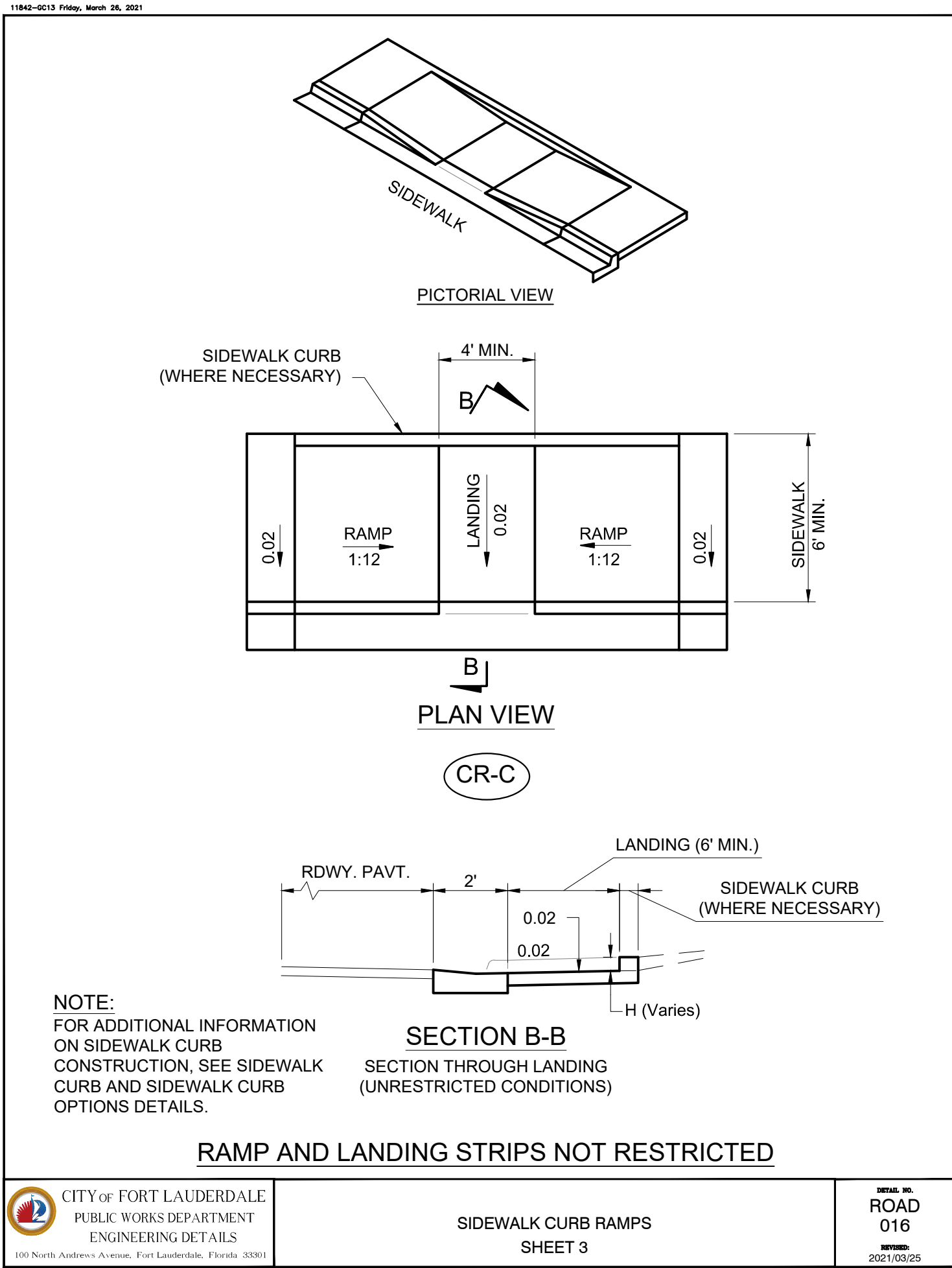
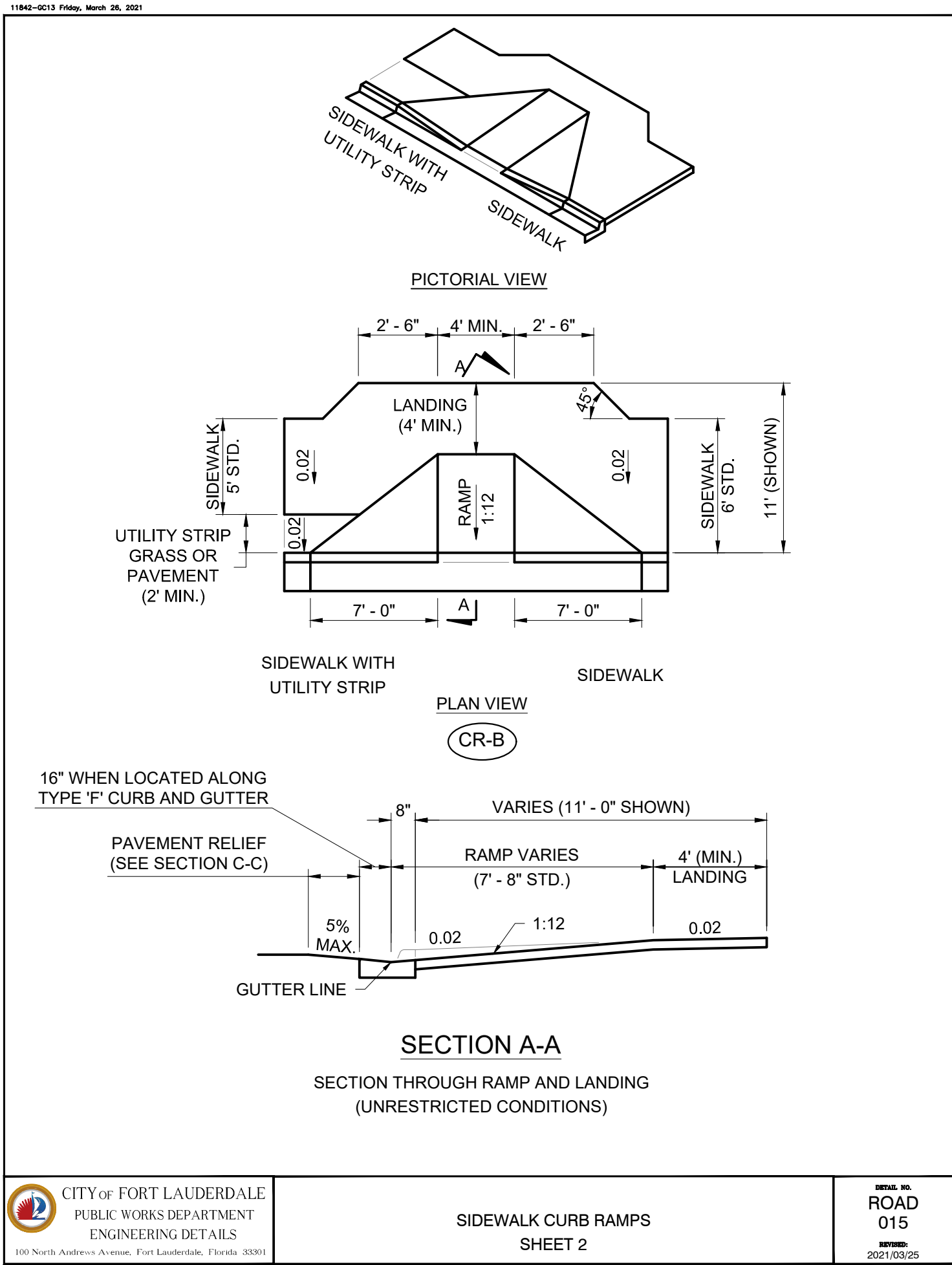
TOTAL: 224

CAD FILE: 11842-GC12

DRAWING FILE NO. 4-142-65

BID SET





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4000 HOLLYWOOD BLVD. SUITE 750N  
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FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CH'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING DETAILS -  
SHEET 3

SHEET NO.  
**GC-13**

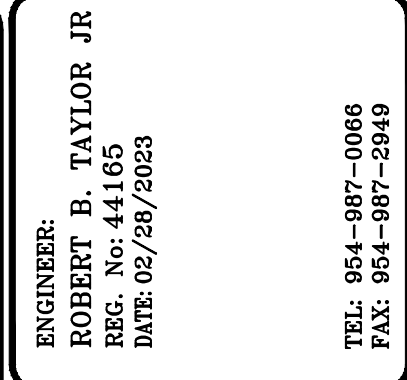
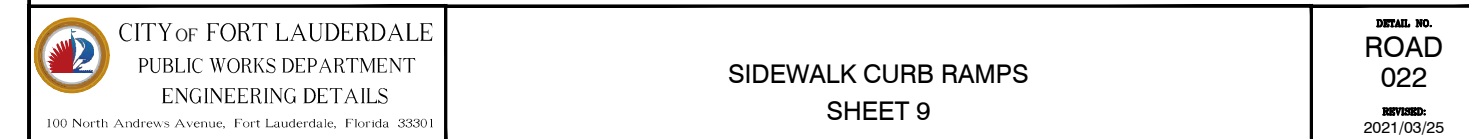
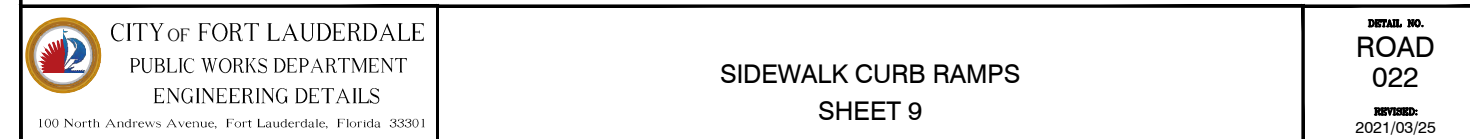
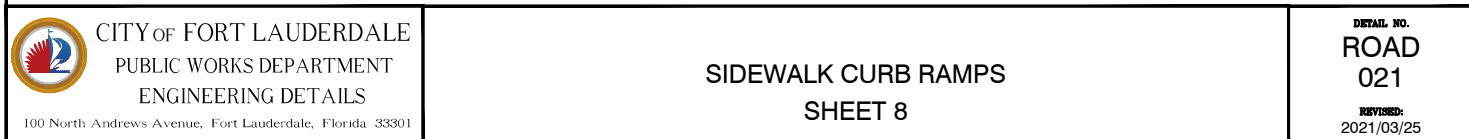
TOTAL: 224


CAD FILE: 11842-GC13

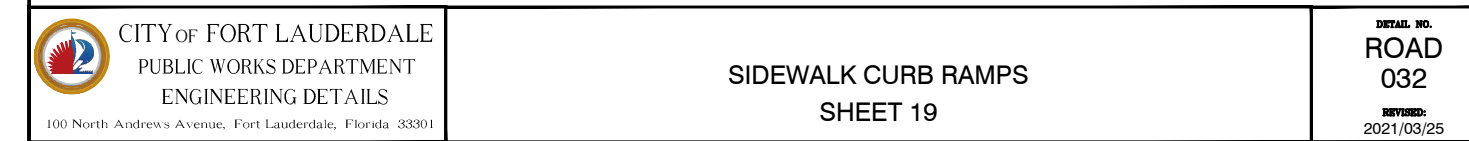
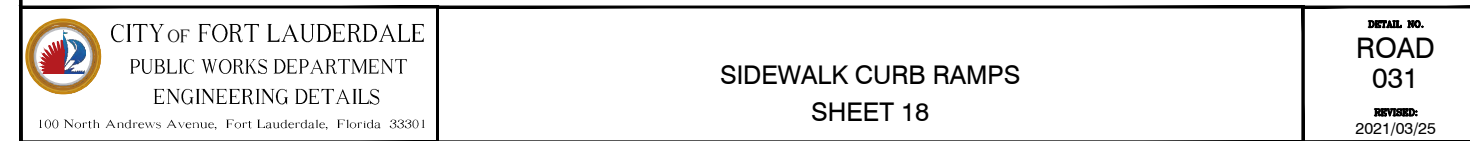
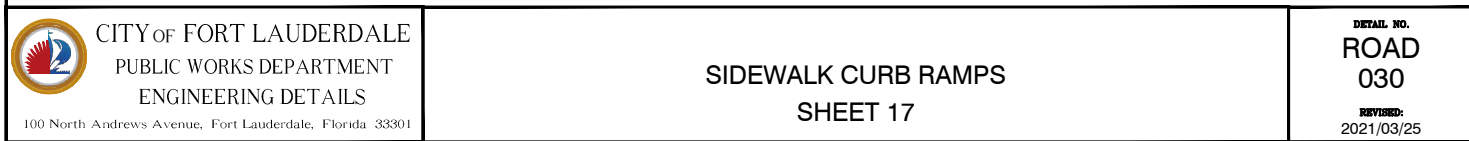
DRAWING FILE NO. 4-142-65

BID SET





 CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301



PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING DETAILS -  
SHEET 4

Save date = 3/26/2021 9:06 AM  
Exhibit 3G  
Page 47 of 70



CLEAR WIDTH  
(5' OR 6' STD., 4' MIN.)

0.02 Max.

45°

1'-0"

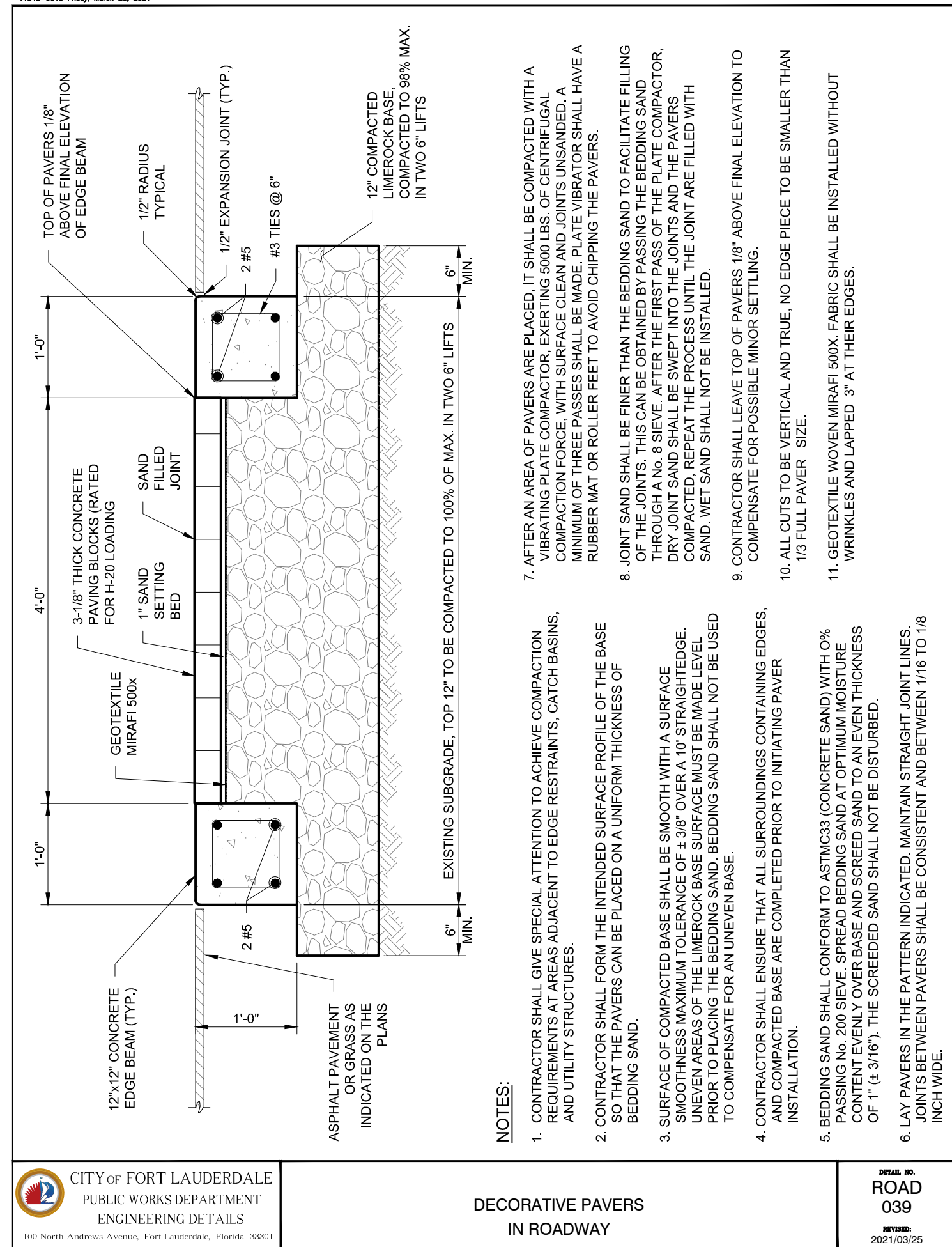
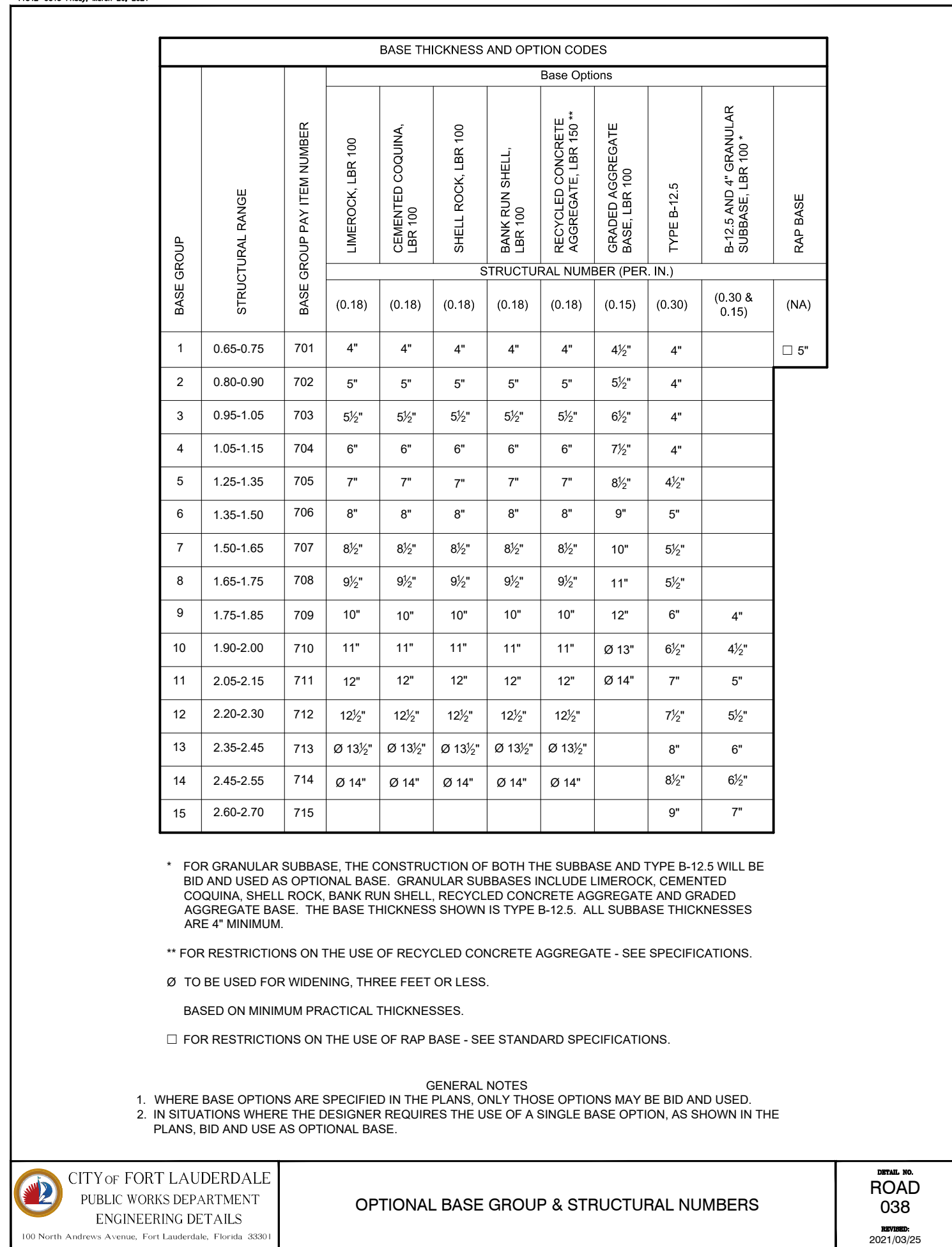
9"

SIDEWALK  
(TOTAL WIDTH MAY VARY BASED ON RAILINGS USED.)

SIDEWALK WITH EDGE BEAM FOR SURFACE MOUNTED RAILINGS

SEE PEDESTRIAN/BICYCLE RAILING OR PIPE GUIDERAIL DETAIL IN FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.


SIDEWALK WITH EDGE BEAM FOR SURFACE MOUNTED RAILINGS



**ENGINEER:**  
**ROBERT B. TAYLOR JR**  
**REG. No: 44165**  
**DATE: 02/28/2023**

**TEL: 954-987-0066**  
**FAX: 954-987-2949**

<b>DRAWN BY:</b> CEW	<b>DATE:</b> APRIL 2021
<b>DESIGNED BY:</b> CEW	<b>SCALE:</b> N/A
<b>CHECKED BY:</b> LMS	
<b>FIELD BOOK:</b>	N/A

 CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

[illegible]

<p><b>PROJECT # 11842</b></p> <p><b>STORMWATER IMPROVEMENTS</b></p> <p><b>EDGEWOOD NEIGHBORHOOD</b></p> <p><b>PAVING AND GRADING DETAILS -</b></p> <p><b>SHEET 5</b></p>	
<p>SHEET NO.</p> <div style="border: 1px solid black; padding: 5px; font-size: 2em; font-weight: bold; text-align: center;">GC-15</div>	
TOTAL:	224
<p>CAD FILE:</p> <p style="text-align: center;">11842-GC15</p>	
<p>DRAWING FILE NO.</p> <p style="text-align: center;">4-142-65</p>	



**Hazen**  
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HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
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DRAWN BY: CEW  
DATE: APRIL 2021  
DESIGNED BY: SCALE: N/A  
CHECKED BY: CEW  
LMS  
FIELD BOOK: N/A

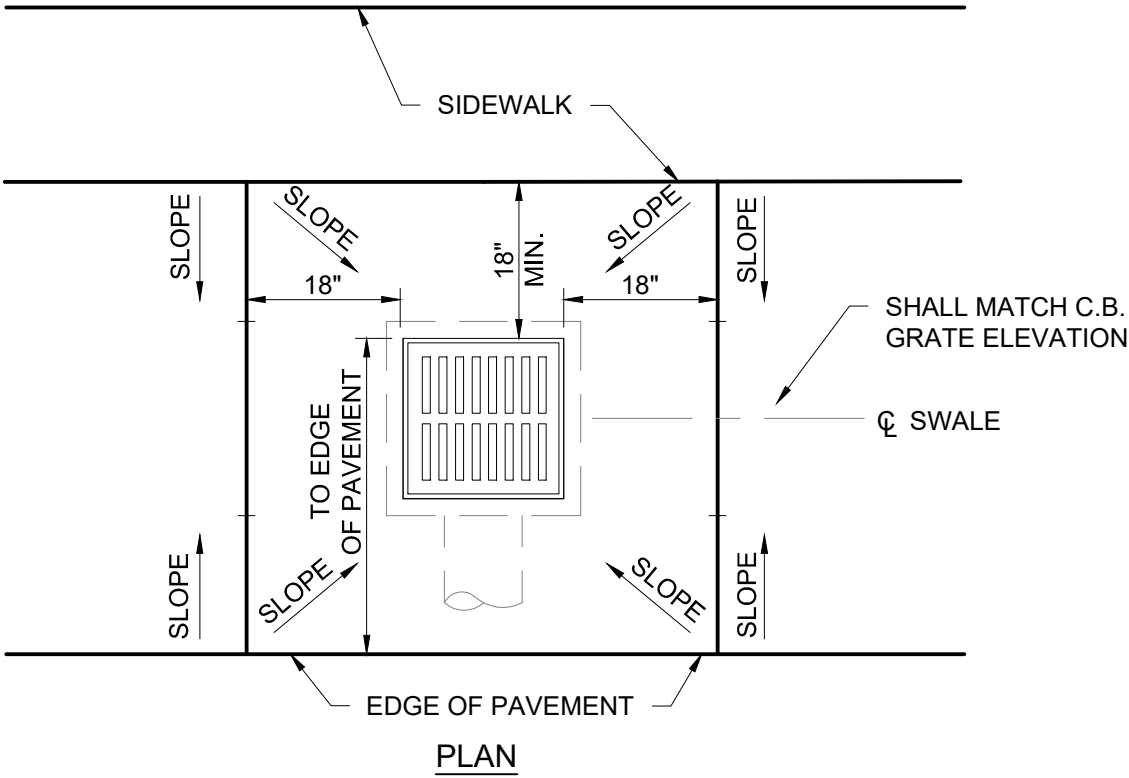
CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING DETAILS -  
SHEET 6

SHEET NO.  
**GC-16**  
TOTAL: 224  
CAD FILE: 11842-GC16  
DRAWING FILE NO. 4-142-65

BID SET



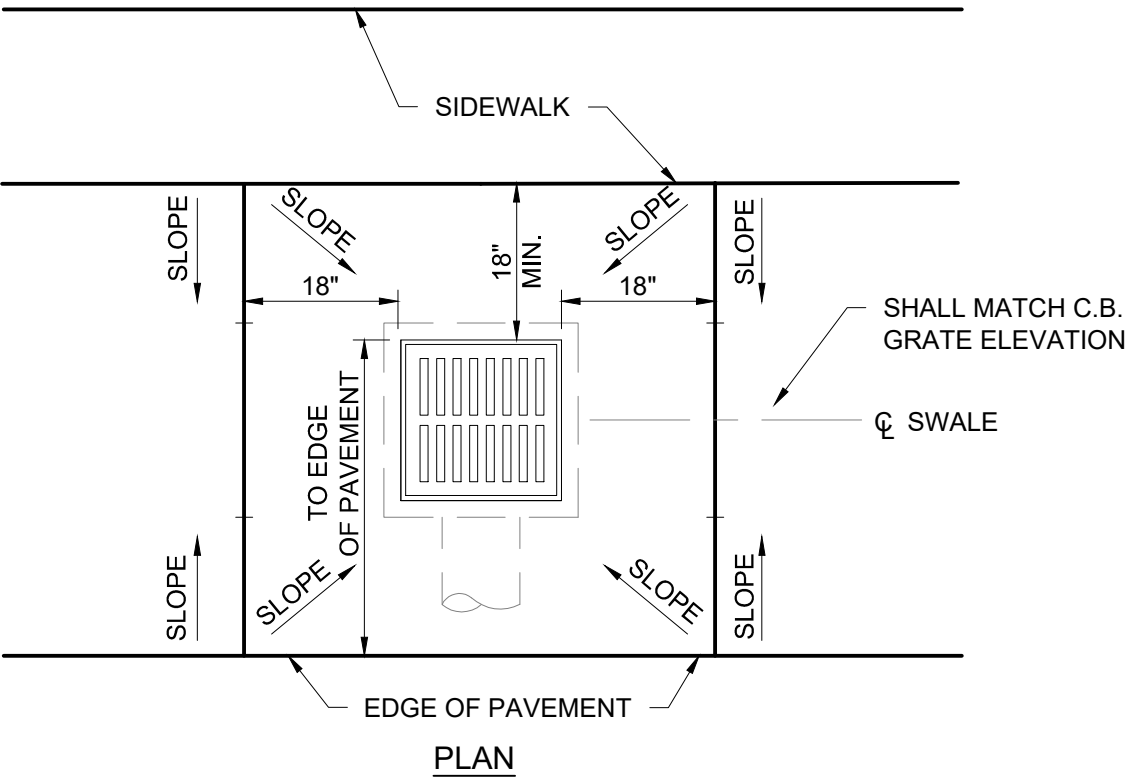
NOTES

1. PAVING AROUND CATCH BASIN TO BE 6" THICK CONCRETE ON COMPACTED SUBGRADE
2. PAVE 18" WIDE (MIN.) APRON ON (3) SIDES. EXTEND FOURTH SIDE TO EDGE OF PAVEMENT.
3. IF DISTANCE FROM BACK OF CATCH BASIN TO FRONT OF SIDEWALK IS 3.0' OR LESS, EXTEND APRON TO FRONT OF SIDEWALK.
4. WHERE THE WORD COLLAR APPEARS IT SHALL IMPLY APRON.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

CATCH BASIN APRON DETAIL  
CONCRETE  
SHEET 1

SHEET NO.  
ROAD  
040  
REVISED:  
2021/03/25



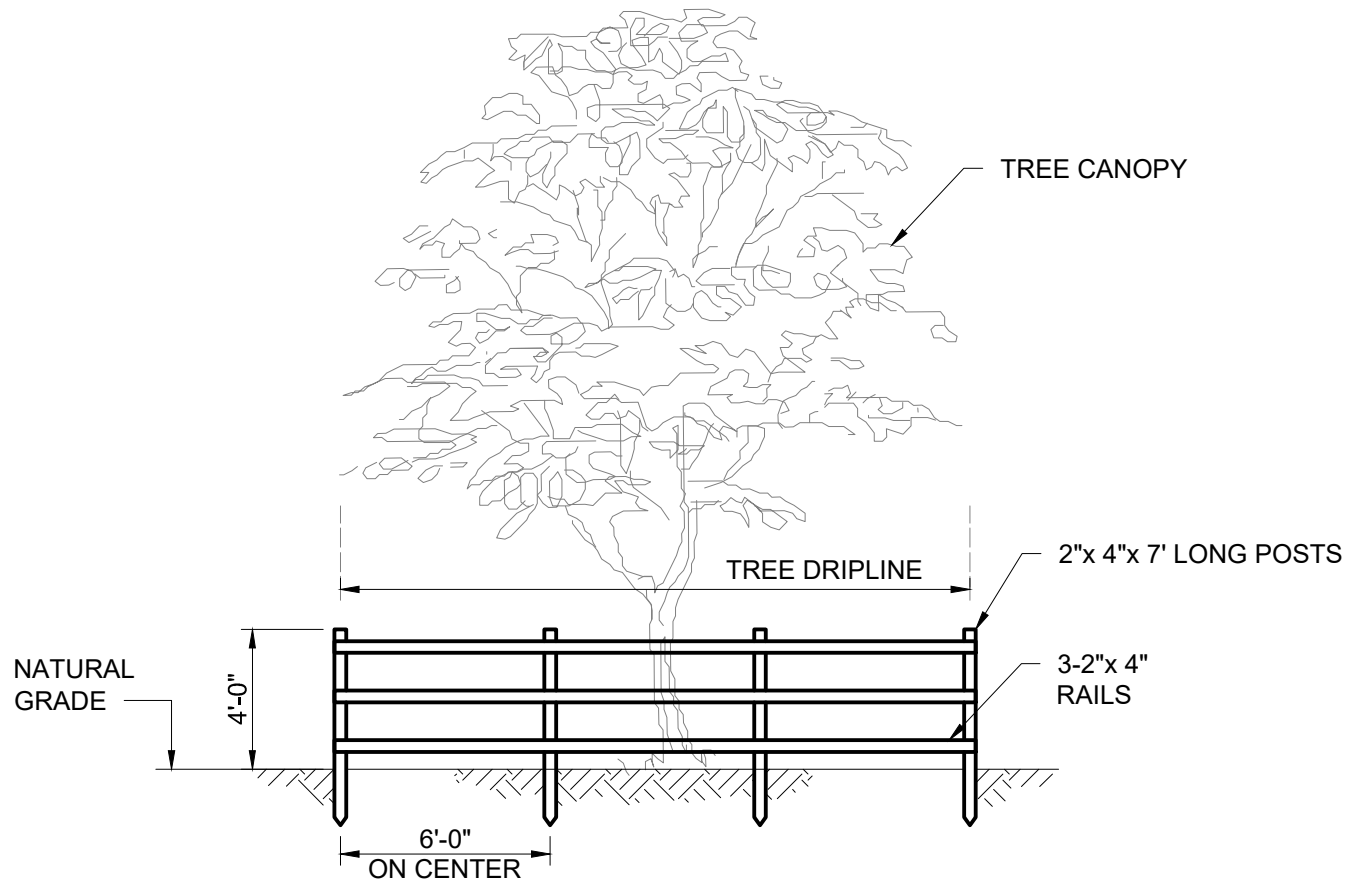
NOTES

1. PAVING AROUND CATCH BASIN TO BE 2" THICK ASPHALT TYPE SP 12.5 ON 6" LIMEROCK BASE (LBR 100).
2. PAVE 18" WIDE (MIN.) APRON ON (3) SIDES. EXTEND FOURTH SIDE TO EDGE OF PAVEMENT.
3. IF DISTANCE FROM BACK OF CATCH BASIN TO FRONT OF SIDEWALK IS 3.0' OR LESS, EXTEND APRON TO FRONT OF SIDEWALK.
4. WHERE THE WORD COLLAR APPEARS IT SHALL IMPLY APRON.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

CATCH BASIN APRON DETAIL  
ASPHALT  
SHEET 2

SHEET NO.  
ROAD  
041  
REVISED:  
2021/03/25



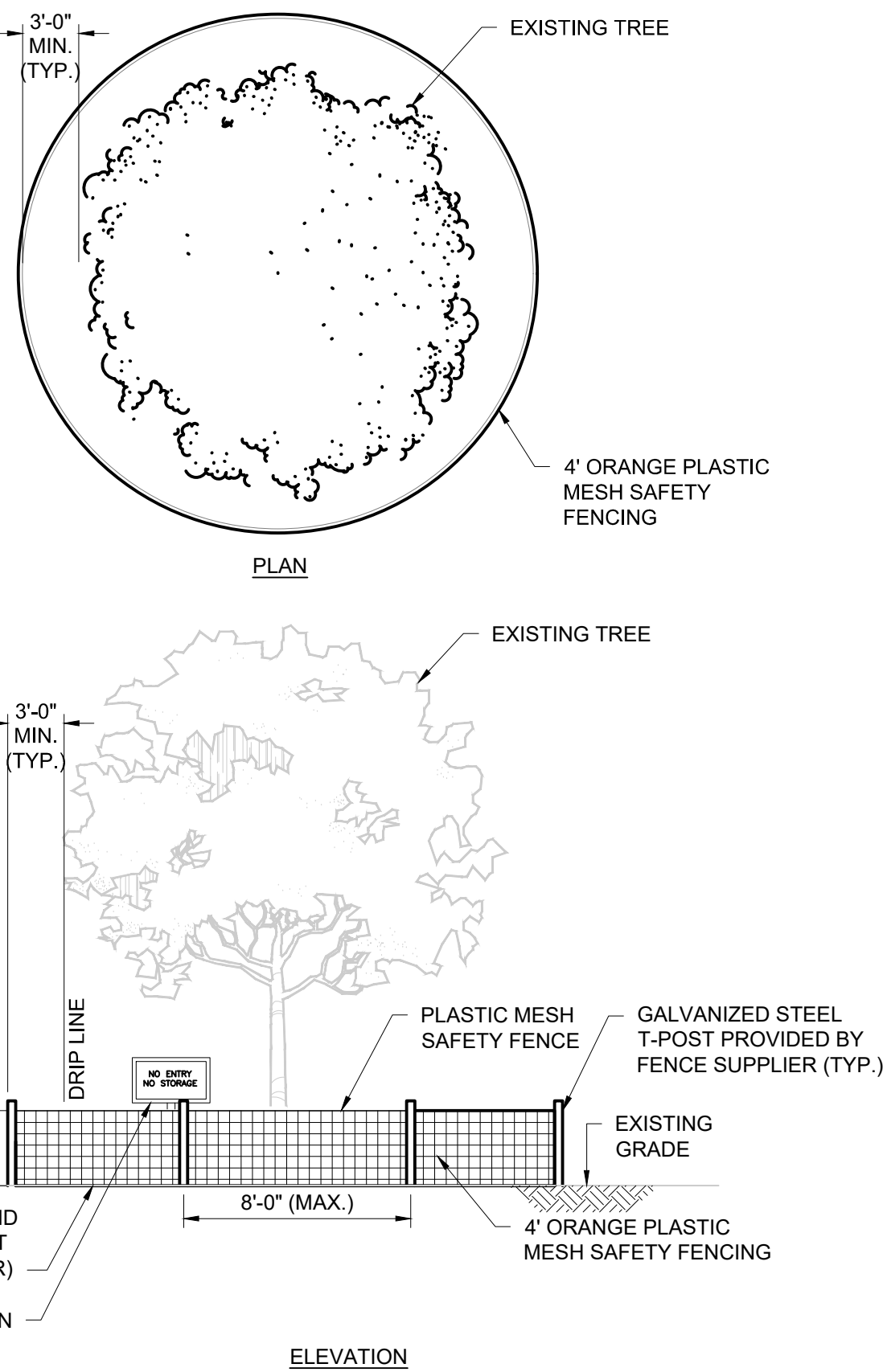
NOTES:

1. BEFORE SITE CLEARING BEGINS PROVIDE NECESSARY MEASURES TO ASSURE SURVIVAL OF VEGETATION.
2. REMOVE BARRIERS AND RESTORE SURFACES PRIOR TO FINAL CLOSEOUT.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

TREE PROTECTION BARRIER

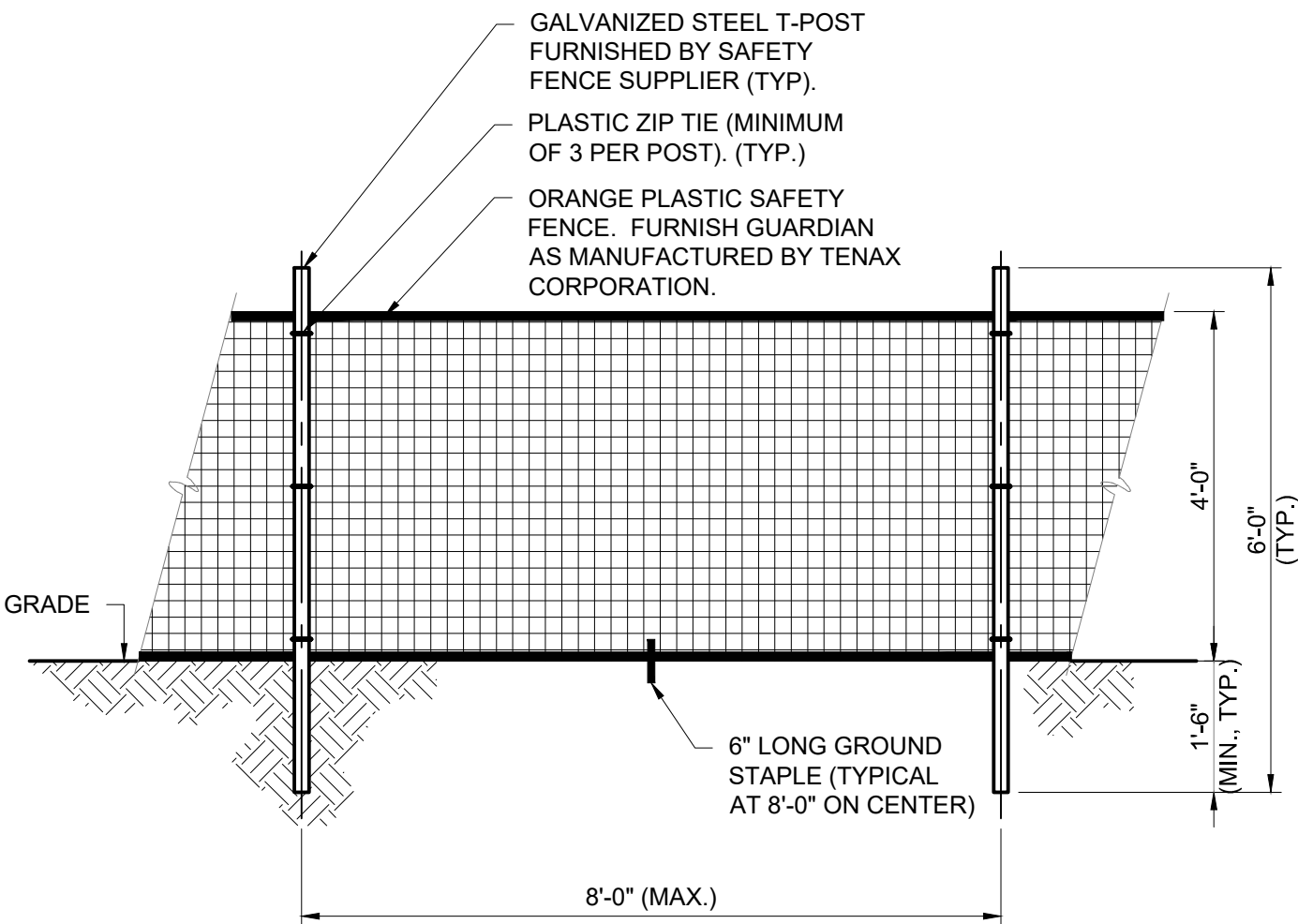
SHEET NO.  
ROAD  
101  
REVISED:  
2017/07/17



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

TREE PROTECTION FENCE

SHEET NO.  
ROAD  
102  
REVISED:  
2017/07/24



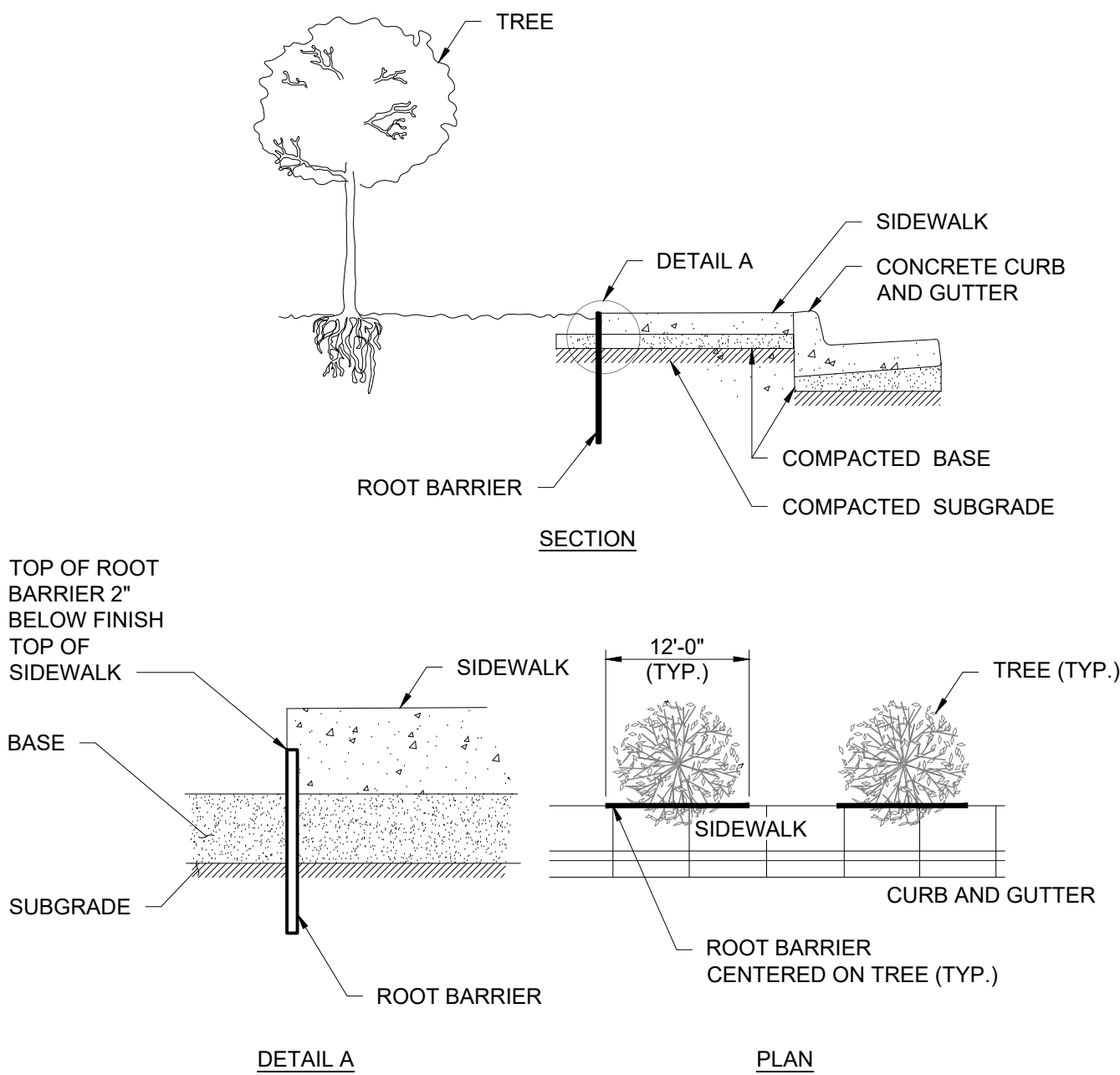
NOTES:

1. REBAR SHALL NOT BE USED FOR SUPPORTING THE FENCE.
2. LOOP THE ZIP TIES THROUGH THE AVAILABLE HOLES OR "TEETH" IN THE POST TO PREVENT THE FENCE FROM SLIDING DOWN THE POST.
3. PLASTIC ZIP TIES SHALL BE AS FOLLOWS:  
A. MINIMUM WIDTH = 0.3 INCHES.  
B. LENGTH = AS REQUIRED.  
C. COLOR = BLACK WITH UV STABILIZER.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

PLASTIC SAFETY FENCE

SHEET NO.  
ROAD  
103  
REVISED:  
2016/09/21



NOTES:

1. ROOT BARRIERS SHALL BE INSTALLED WHEN ROOT BALL IS WITHIN 8'-0" OF SIDEWALK OR AS INDICATED ON THE PLANS.
2. ROOT BARRIER SHALL BE UB 24-2 BY DEEPROOT, OR EQUAL. SUBMIT SHOP DRAWING.
3. TRENCH TO APPROPRIATE DEPTH FOR INSTALLATION OF ROOT BARRIER SO THAT TOP OF BARRIER IS 2" BELOW TOP OF SIDEWALK.
4. PLACE ROOT BARRIER IN TRENCH, VERTICAL RIBS MUST FACE TOWARD TREE ROOTS.
5. BACKFILL AND COMPACT.

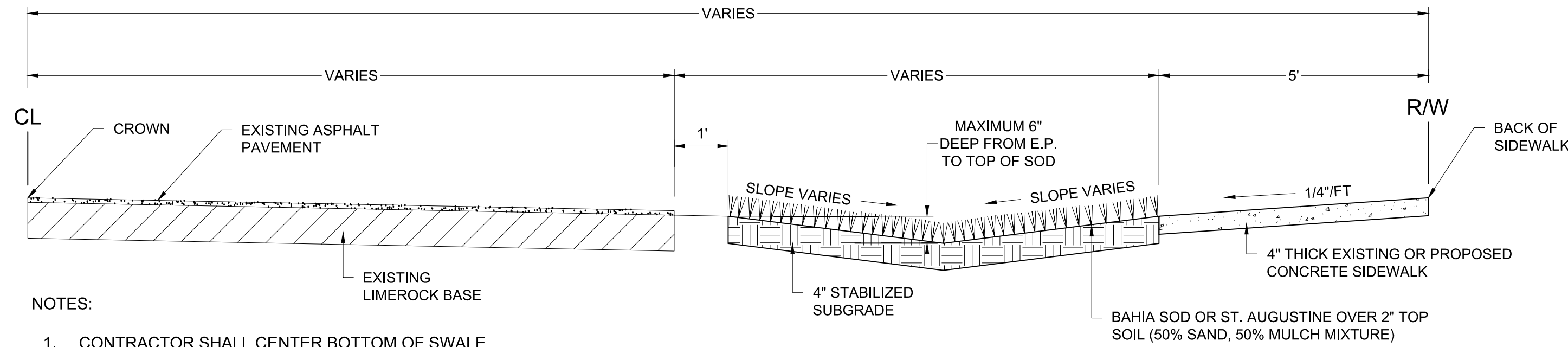
CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DETAILS  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ROOT BARRIER

SHEET NO.  
ROAD  
104  
REVISED:  
2016/09/21



**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021



- NOTES:
- 1. CONTRACTOR SHALL CENTER BOTTOM OF SWALE BETWEEN EDGE OF PAVEMENT AND R/W LINE IF NO SIDEWALK EXISTS.
  - 2. SLOPE VARIES BY ELEVATION OF INVERT OF SWALE ON PLANS TO A MAXIMUM OF 1.8"/FT. IF NO INVERT IS PROVIDED FOLLOW STANDARD MAXIMUM SWALE DEPTH OF 6" TO CONSTRUCT SIDE SLOPE.


6" SWALE PROFILE

DETAIL	1
NO SCALE	-

ENGINEER:  
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REG. No: 44165  
DATE: 02/28/2023  
  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY:	CEW	DATE:	APRIL 2021
DESIGNED BY:	CEW	SCALE:	N/A
CHECKED BY:	LMS		
FIELD BOOK:	N/A		

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

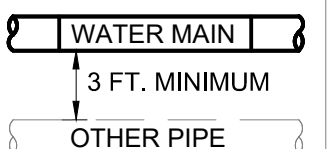
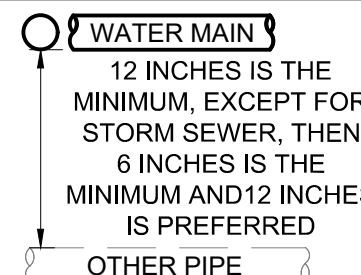
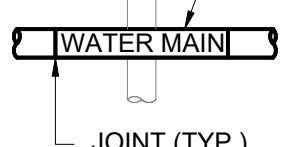
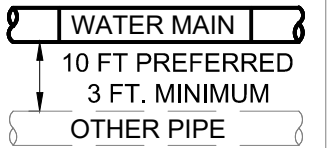
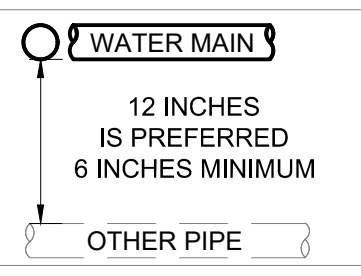
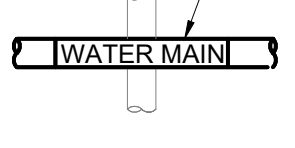
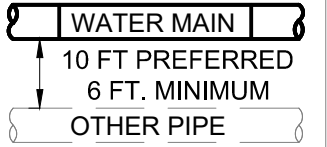
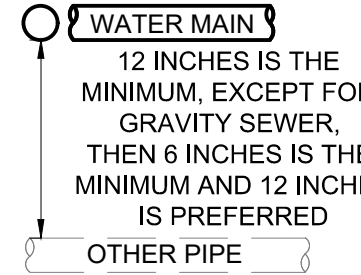
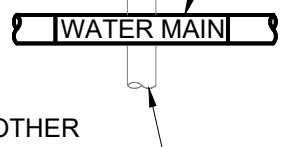
REVISIONS			DESCRIPTION
NO.	DATE	BY	

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
PAVING AND GRADING DETAILS -  
SHEET 7

SHEET NO.	GC-17
TOTAL:	224
CAD FILE:	11842-GC17
DRAWING FILE NO.	4-142-65


BID SET

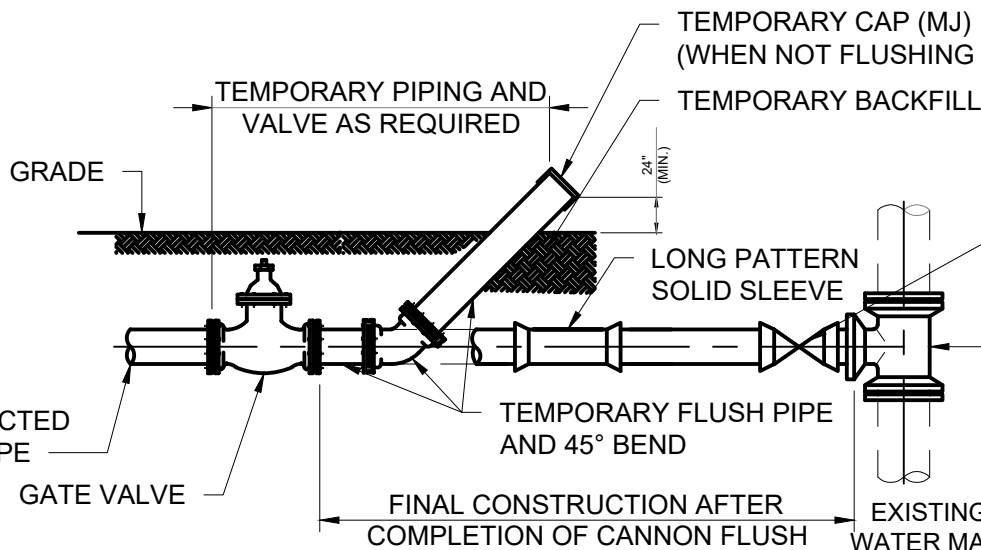


WATER MAIN SEPARATION IN ACCORDANCE WITH F.A.C. RULE 62-555.314			
OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (NOTE 1)	JOINT SPACING AT CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER (NOTE 2)			NOTE 4 
VACUUM SANITARY SEWER			NOTE 4 
GRAVITY SANITARY SEWER, (NOTE 3) SANITARY SEWER FORCE MAIN, RECLAIMED WATER			NOTE 4 
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 FT. MINIMUM	—	—

NOTES:


- WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
- ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPE SO THAT THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATE JOINT LOCATIONS ALLOWED UNDER FAC 62-555.314 WILL ONLY BE ALLOWED BY THE ENGINEER ON A CASE-BY-CASE BASIS.

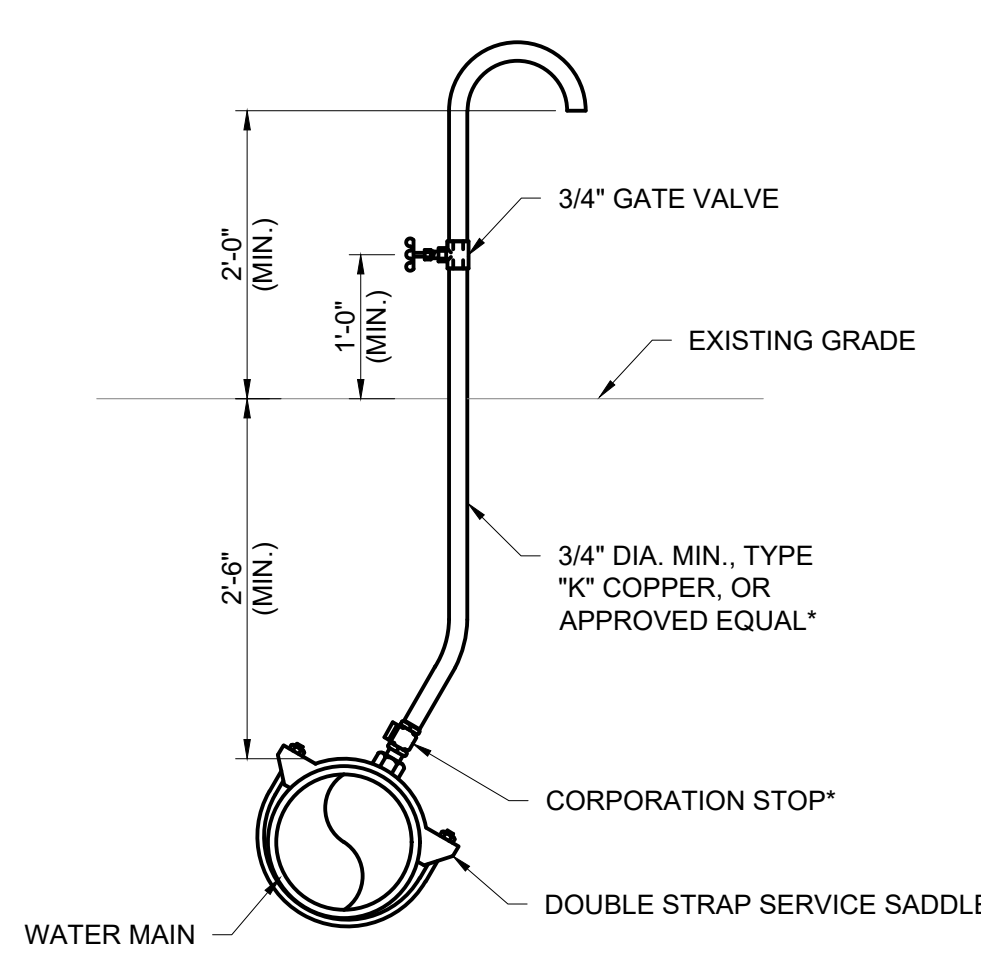
 CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small>	WATER MAIN SEPARATION	DETAIL NO. WATR 001 REVISED: 2016/06/21
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NOTES:

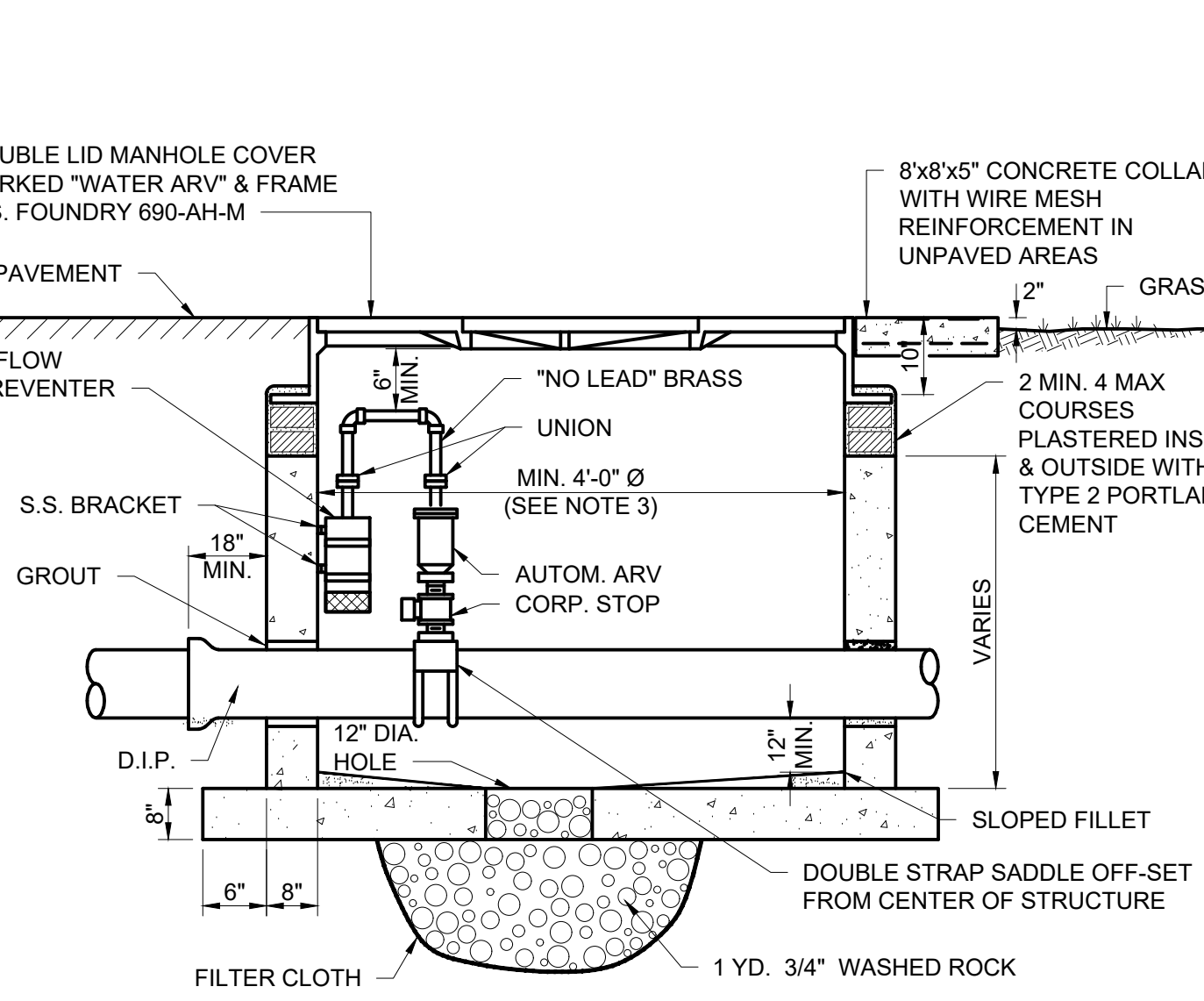
- FLUSHING LOCATIONS ARE TO BE PROPOSED BY CONTRACTOR AND APPROVED BY ENGINEER OF RECORD.
- UPON COMPLETION OF THE PIPE INSTALLATION FOR ANY SECTION, THE MAINS SHALL BE CANNON FLUSHED TO REMOVE DIRT AND ANY OTHER FOREIGN MATTER.
- INSTALL A TEMPORARY 45° BEND, VALVE AND ASSOCIATED TEMPORARY PIPING AS SHOWN TO DIRECT THE FLUSHING WATER AWAY FROM THE IMMEDIATE WORK AREA AND EXERCISE DUE CARE SO AS TO ENSURE THAT THE WATER USED IN FLUSHING DOES NOT CAUSE A NUISANCE OR INFLECT PROPERTY DAMAGE.
- BENDS AND PIPING SHALL BE THE SAME SIZE OR LARGER AS THE LINE BEING FLUSHED.
- PRIOR TO THE ACTUAL LINE FLUSHING OPERATION THE CONTRACTOR SHALL PROPERLY NOTIFY OWNER'S INSPECTOR OF SUCH INTENDED WATER USE.
- NO EXISTING VALVES SHALL BE OPERATED, EXCEPT BY AUTHORIZED OWNER PERSONNEL.
- FLUSHING SHALL NOT BE ACCOMPLISHED WITHOUT THE ACTUAL PRESENCE OF THE OWNER'S INSPECTOR.
- AFTER THE LINE UNDER CONSTRUCTION HAS BEEN SUCCESSFULLY FLUSHED, THE CONTRACTOR SHALL REMOVE THE TEMPORARY PIPING ARRANGEMENT AND PROCEED WITH THE REMAINING CONSTRUCTION AS SPECIFIED.
- ALL PIPING SHALL BE RESTRAINED.
- CONTRACTOR WILL INSTALL A PRESSURE GAUGE AT OR NEAR THE FILL AND FLUSH LOCATION AND MAINTAIN A MINIMUM PRESSURE OF 40 PSI AT ALL TIMES. THE FILL VALVE WILL BE OPENED AND CLOSED SLOWLY TO AVOID RAPID PRESSURE CHANGES IN THE WATER SYSTEM.
- CONTRACTOR IS CAUTIONED THAT GOVERNING AGENCIES OR UTILITIES MAY HAVE REGULATIONS LIMITING OR PROHIBITING DISCHARGE INTO SEWERS, SURFACE WATERS, CANALS, DITCHES AND OTHER CONVEYANCES/RETENTION AREAS. ALL COMPLIANCE WITH GOVERNING AGENCY REQUIREMENTS (INCLUDING PERMITTING, IF REQUIRED) IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CANNON FLUSHING TO PROCEED AFTER HEALTH DEPARTMENT CLEARANCE IS RECEIVED.

 CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small>	CANNON FLUSHING	DETAIL NO. WATR 005 REVISED: 2016/06/21
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\* NOTE: AFTER TESTS REMOVE 3/4" TUBING AND INSTALL PLUG ON CORPORATION STOP.


 CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small>	BACT SAMPLE POINT - TEMPORARY	DETAIL NO. WATR 002 REVISED: 2016/06/21
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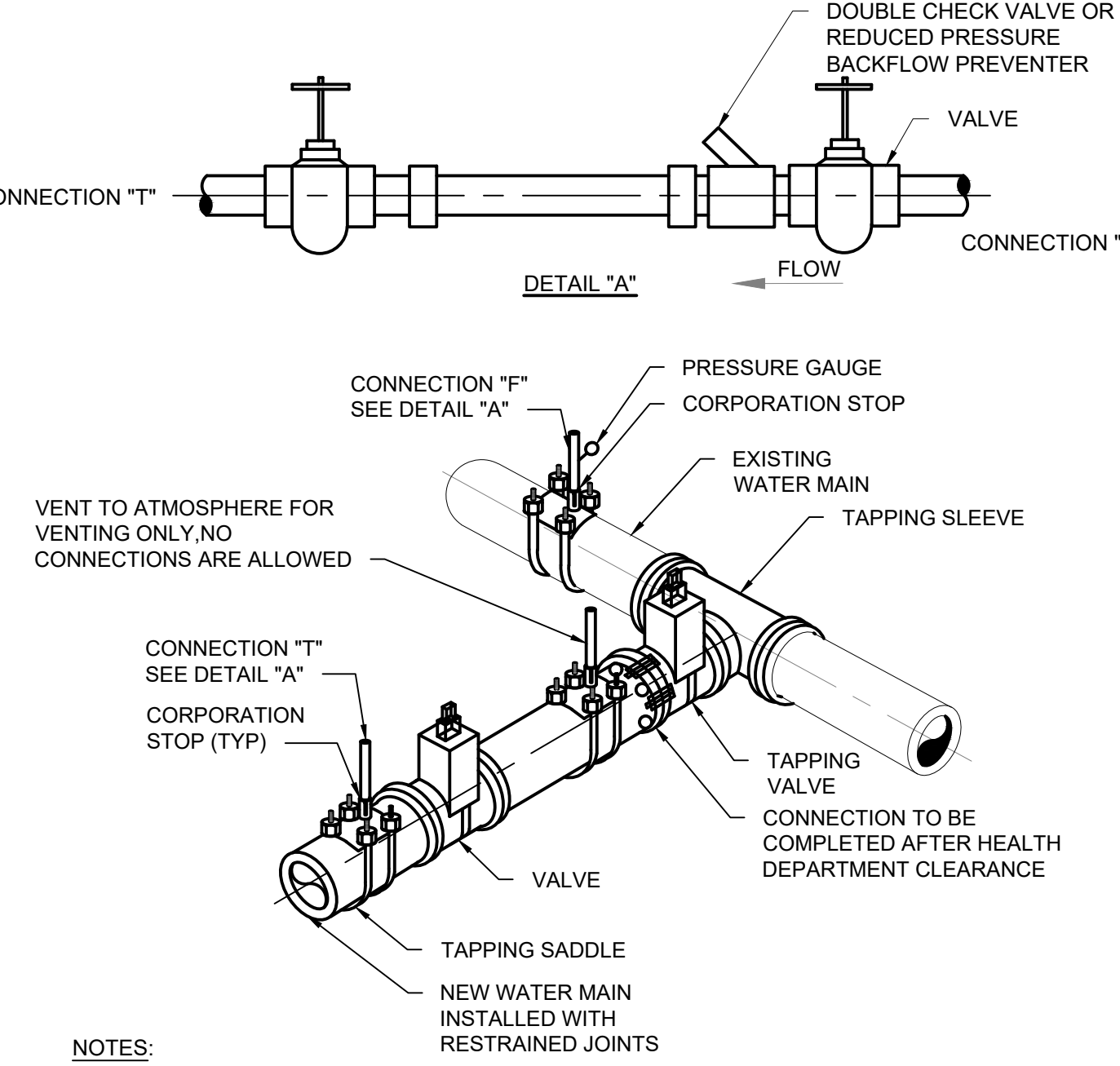

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NOTES:

- MANHOLE SHALL BE PRECAST AND DESIGNED BY FABRICATOR TO COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
- DUCTILE IRON PIPE IS REQUIRED WITHIN THE MANHOLE. NO PIPE JOINTS INSIDE OF MANHOLE.
- LARGER MANHOLES REQUIRED FOR PIPES LARGER THAN 12", AS FOLLOWS:


PIPE SIZE	MIN. MANHOLE DIAMETER
16"- 24"	60"
30" - 42"	72"

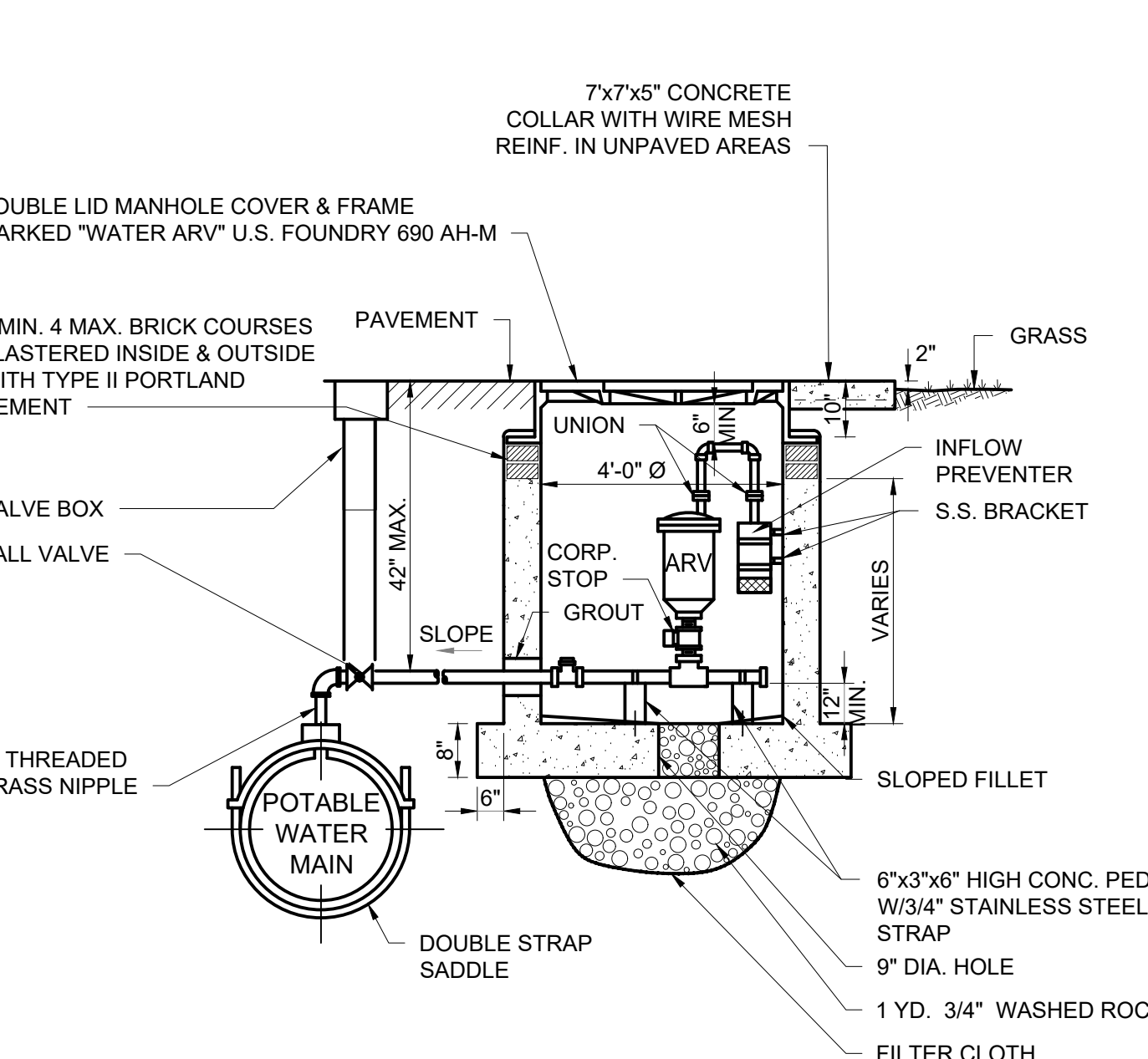
 CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small>	AUTOMATIC AIR RELEASE VALVE FOR AREAS THAT FLOOD TYPE 1	DETAIL NO. WATR 006 REVISED: 2016/06/21
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NOTES:


- REMOVE TEMPORARY CONNECTION AT CORPORATION STOP ON EXISTING MAIN AFTER FILLING AND FLUSHING OF NEW LINE.
- DO NOT REMOVE TEMPORARY CONNECTION AT CORPORATION STOP ON NEW MAIN UNTIL ALL TESTING HAS BEEN CLEARED BY HEALTH DEPARTMENT.
- CLOSE CORPORATION STOPS AND PLUG/CAP WITH LEAD-FREE BRASS FITTINGS AFTER SAMPLING IS COMPLETED.
- CONTRACTOR WILL INSTALL A PRESSURE GAUGE AT OR NEAR THE FILL AND FLUSH LOCATION AND MAINTAIN A MINIMUM PRESSURE OF 40 PSI AT ALL TIMES. THE FILL VALVE WILL BE OPENED AND CLOSED SLOWLY TO AVOID RAPID PRESSURE CHANGES IN THE WATER SYSTEM.

 CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small>	FILLING AND FLUSHING CONNECTION	DETAIL NO. WATR 004 REVISED: 2016/06/21
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NOTES:


- MANHOLE SHALL BE PRECAST AND DESIGNED BY FABRICATOR TO COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROADS AND BRIDGE CONSTRUCTION LATEST EDITION.
- ALL VALVES, PIPING AND FITTINGS SHALL BE LEAD-FREE BRASS OR BRONZE.

 CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS <small>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</small>	AUTOMATIC AIR RELEASE VALVE FOR AREAS THAT FLOOD TYPE 2	DETAIL NO. WATR 007 REVISED: 2016/06/21
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4000 HOLLYWOOD BLVD. SUITE 750N  
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ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No. 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: DATE: APRIL 2021  
CEW  
DESIGNED BY: SCALE: N/A  
CEW  
CHECKED BY: LMS  
FIELD BOOK: XXXX

CITY of FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CR'D

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
UTILITY SEPERATION AND  
CROSSING DETAILS - SHEET 1

SHEET NO.  
**GC-18**  
TOTAL: 224  
CAD FILE: 11842-GC18  
DRAWING FILE NO. 4-142-65

BID SET



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ENGINEER:  
ROBERT B. TAYLOR JR  
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DATE: 02/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: CEW  
DATE: APRIL 2021  
DESIGNED BY: SCALE: N/A  
CHECKED BY: CEW  
LMS  
FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISITONS		DESCRIPTION	
NO.	DATE	BY	CH'D

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
UTILITY SEPERATION AND  
CROSSING DETAILS - SHEET 2

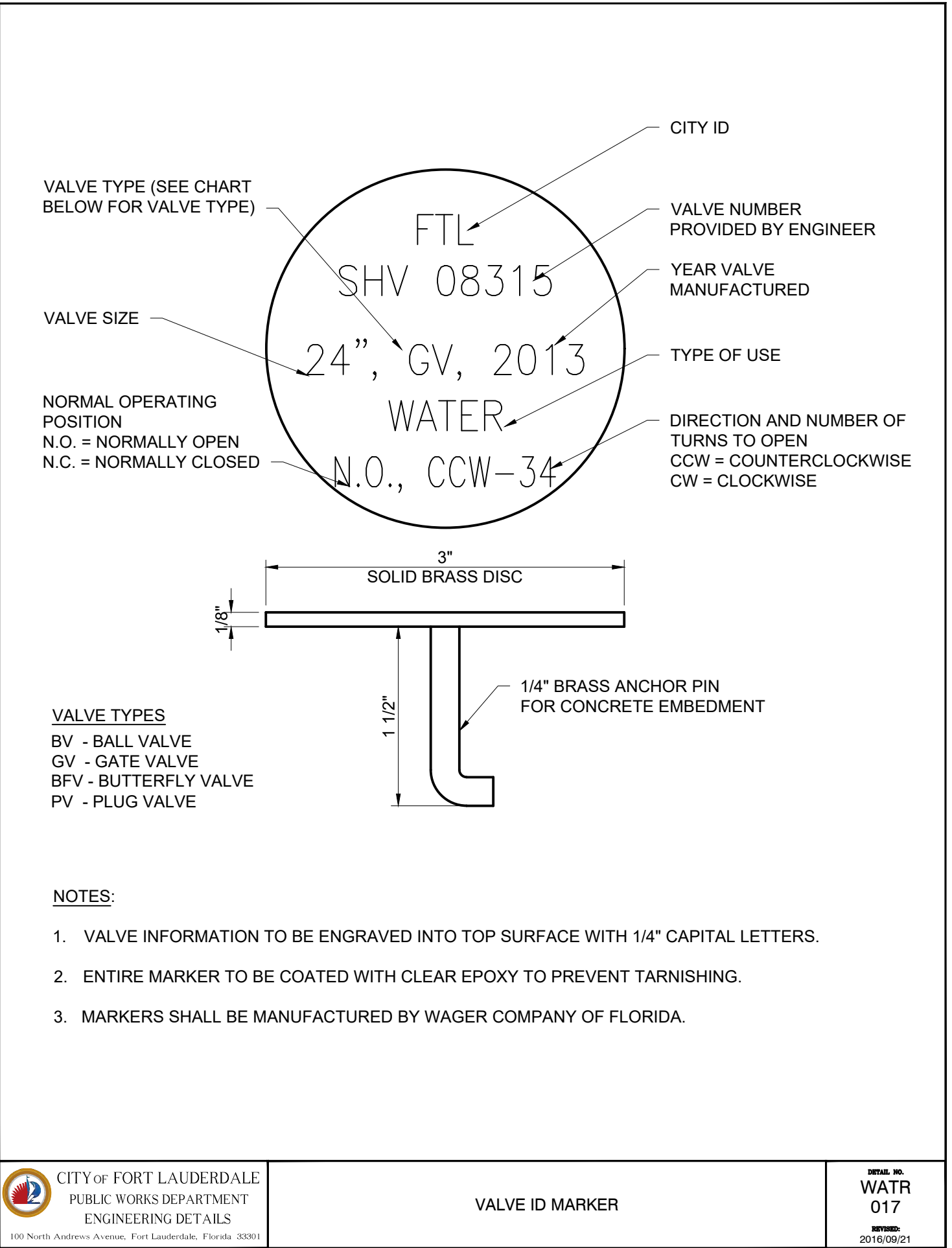
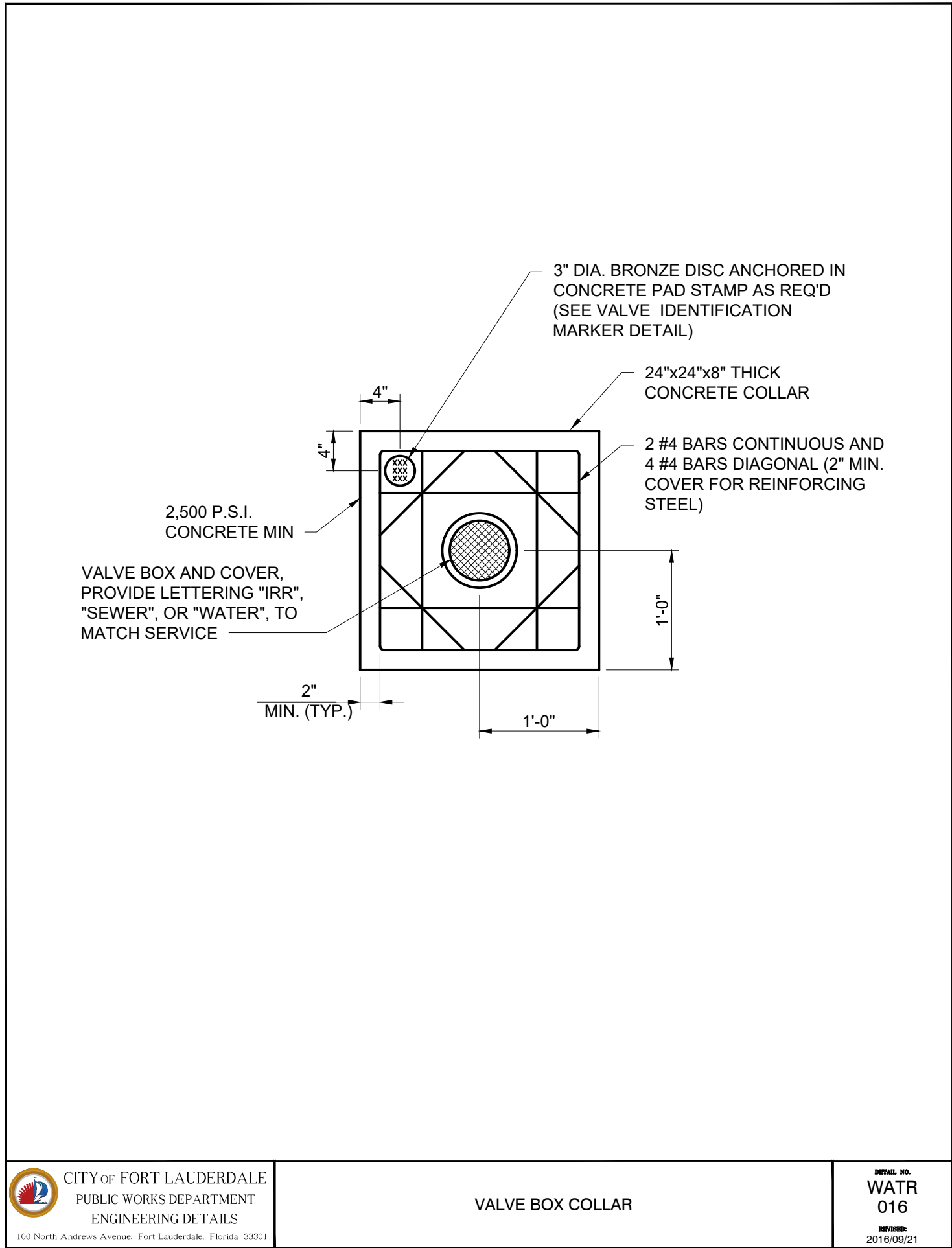
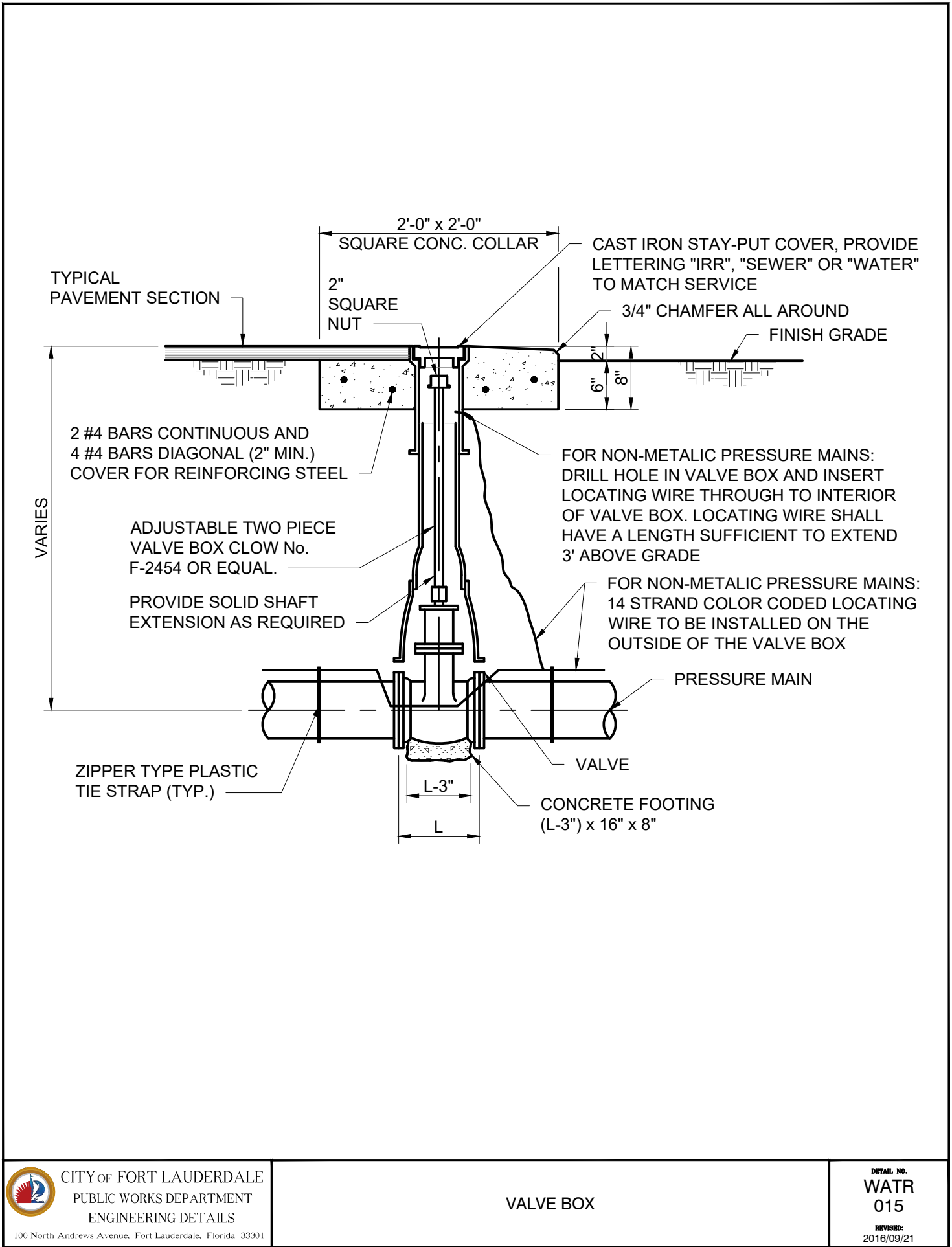
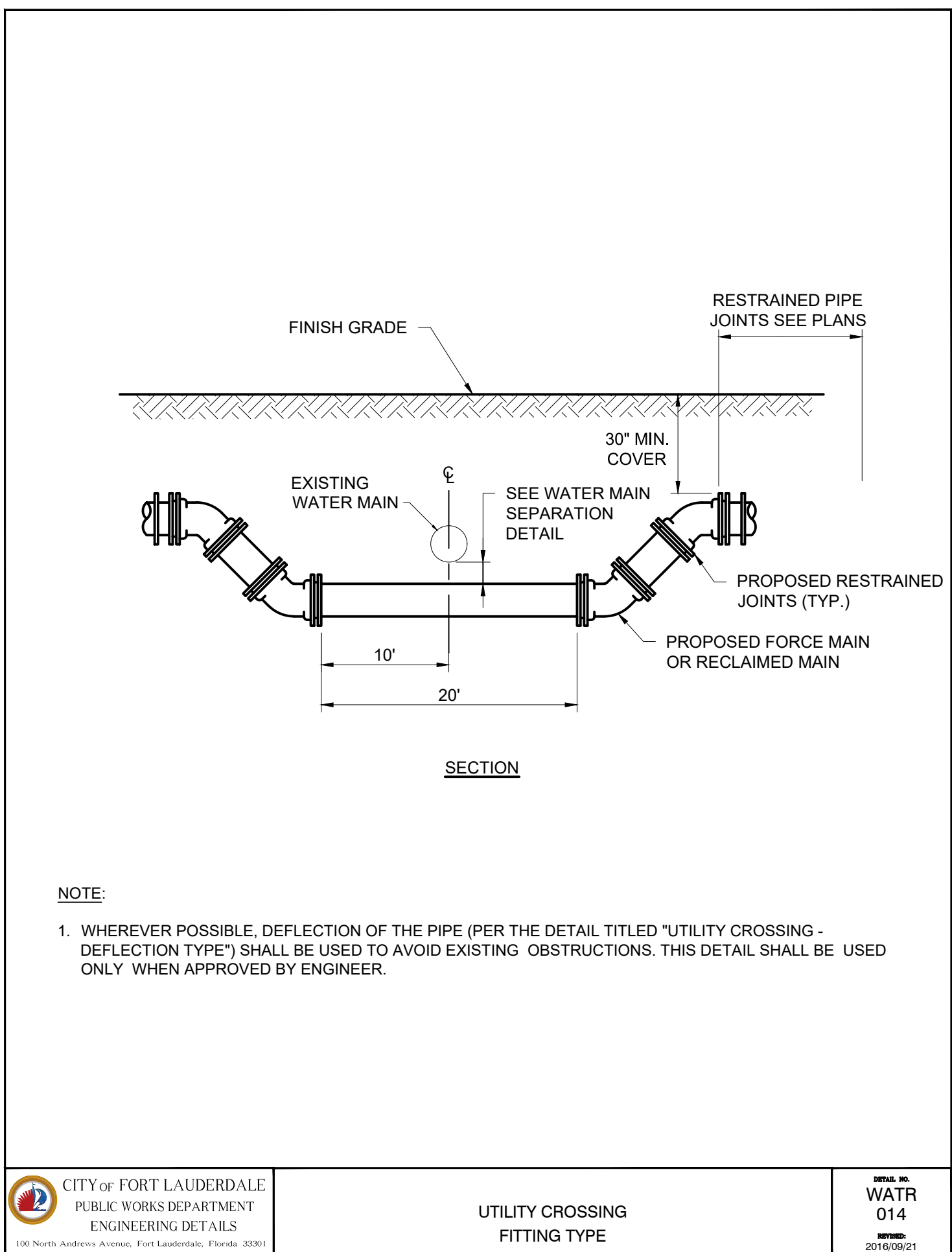
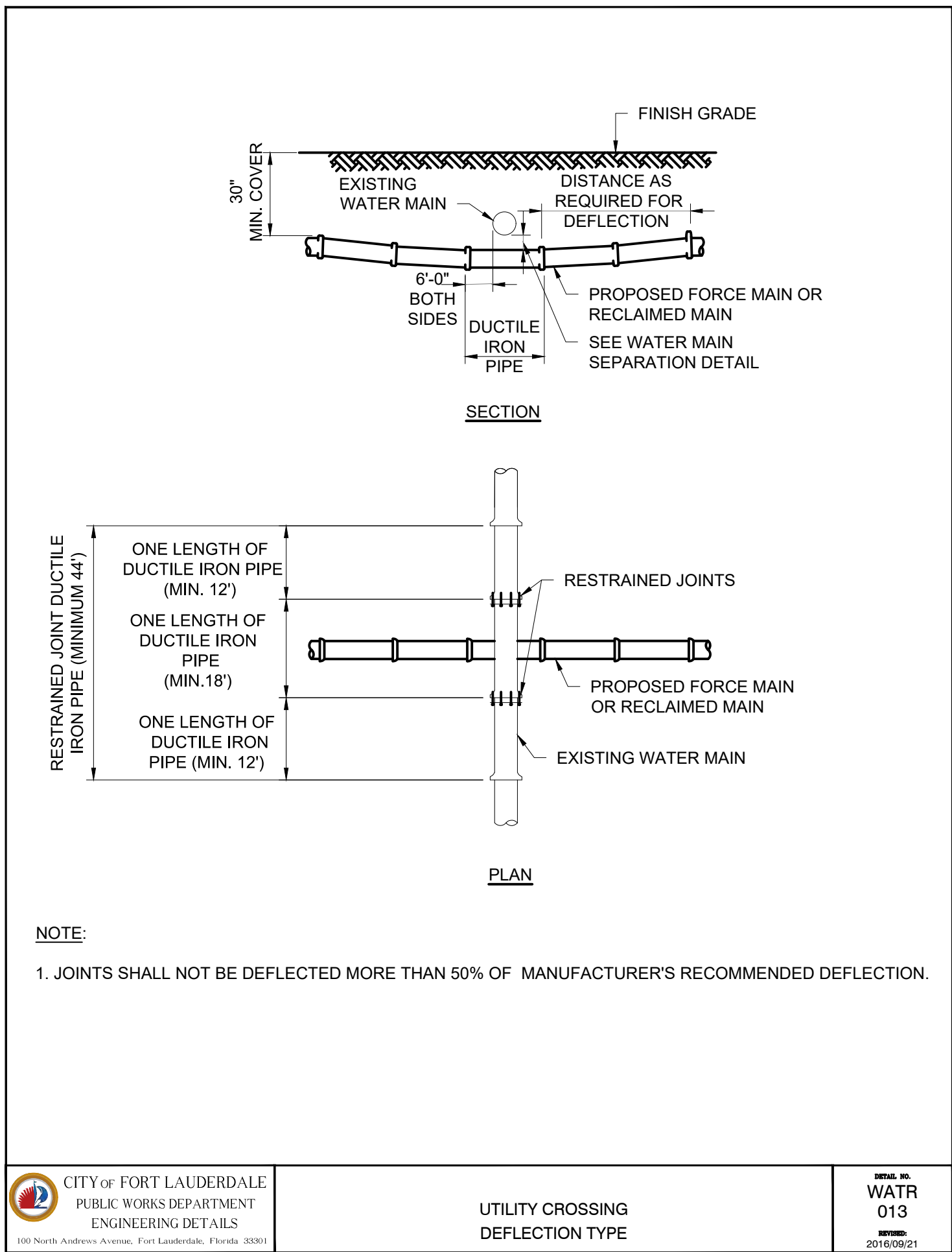
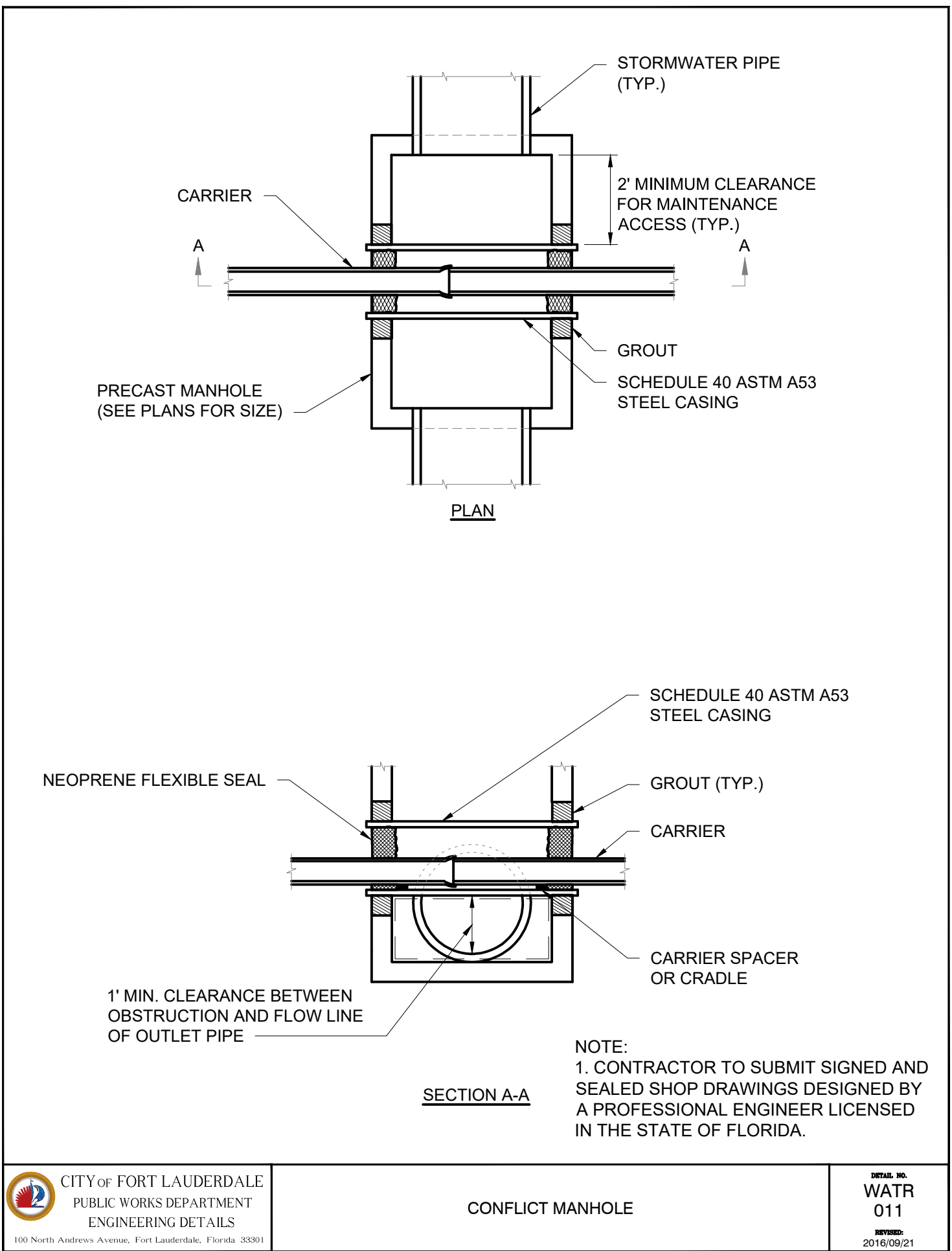
SHEET NO.  
**GC-19**

TOTAL: 224

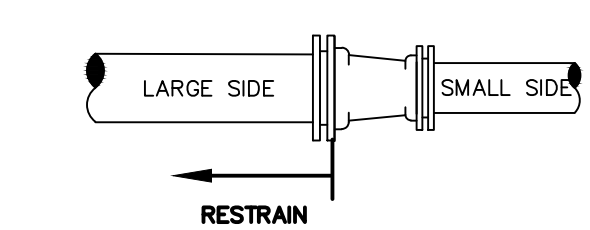
CAD FILE: 11842-GC19

DRAWING FILE NO. 4-142-65

BID SET

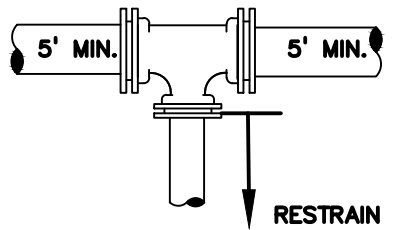






STRAIGHT REDUCER

DUCTILE IRON PIPE					
DIAMETER	6"	8"	10"	12"	
4"	15'	27'	36'	45'	
6"		16'	27'	38'	
8"			15'	28'	
10"				16'	
PVC PIPE					
DIAMETER	6"	8"	10"	12"	
4"	24'	43'	58'	72'	
6"		25'	44'	61'	
8"			24'	44'	
10"				25'	



TEE REDUCER

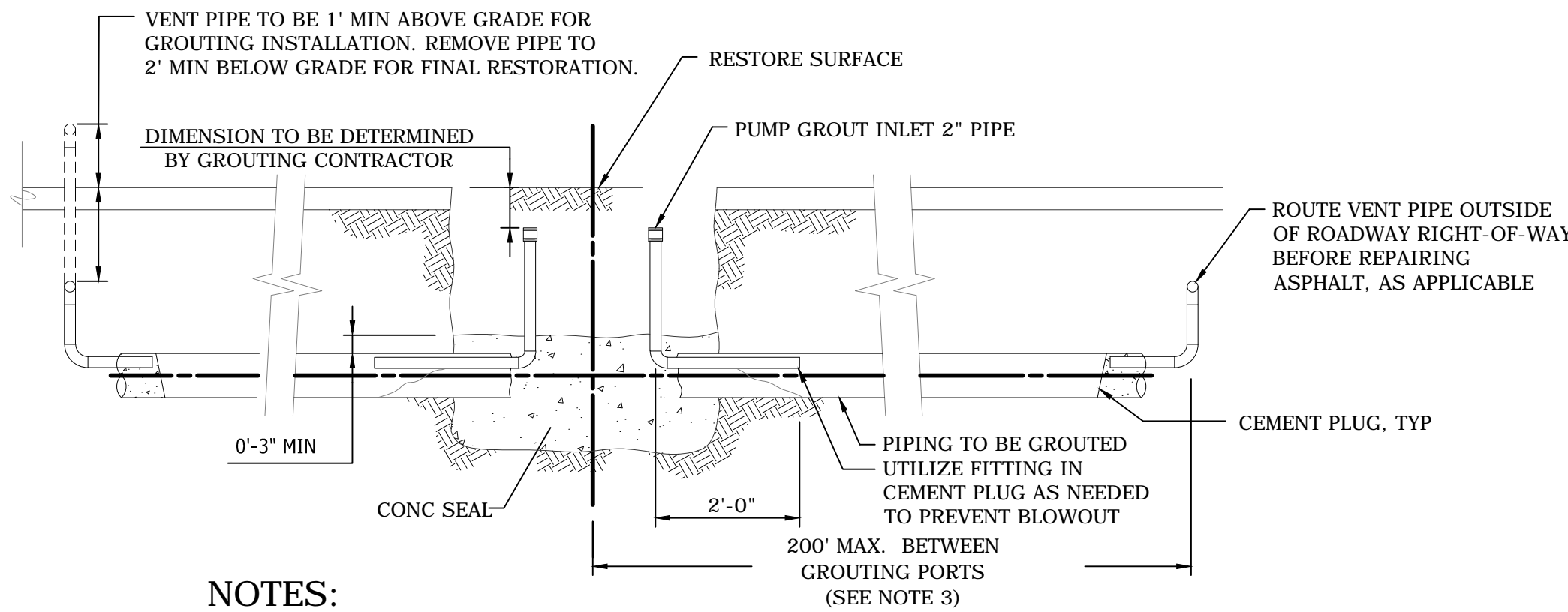
DUCTILE IRON PIPE					
DIAMETER	6"	8"	10"	12"	
4"	1'	1'	1'	1'	
6"		6'	1'	1'	
8"			15'	10'	
10"				23'	
PVC PIPE					
DIAMETER	6"	8"	10"	12"	
4"	1'	1'	1'	1'	
6"		16'	8'	1'	
8"			31'	25'	
10"				44'	

THE NOTED REQUIREMENTS WERE CALCULATED IN ACCORDANCE WITH THRUST RESTRAINT CALCULATOR V7.2 BY EBAA IRON WITH THE FOLLOWING ASSUMPTIONS:  
SOIL CONDITIONS: SW OR GW; LENGTH ALONG RUN EQUALS 4 FEET  
LAYING CONDITION: 4, SAND BEDDING, BACKFILL COMPACTED > 80%  
MINIMUM COVER: 3.0 FT; SAFETY FACTOR: 1.5; BARE PIPE (NO POLY WRAP)  
IF FIELD CONDITIONS DIFFER FROM THE ABOVE, CONTRACTOR SHALL NOTIFY ENGINEER. FOR PIPE LARGER THAN INCLUDED IN THE ABOVE TABLES, ENGINEER OF RECORD SHALL SUBMIT CALCULATIONS FOR EACH JOINT REQUIRING RESTRAINT.

RESTRAINED REDUCING FITTING  
150 PSI TEST PRESSURE

MECHANICAL THRUST RESTRAINTS

DETAIL	1
NTS	—

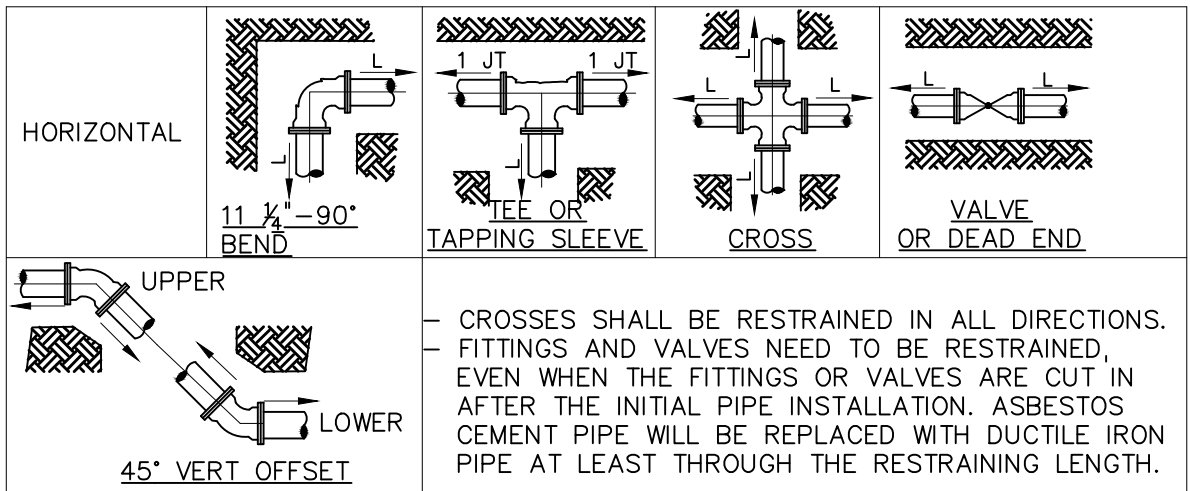


NOTES:

- PUMP FLOWABLE GROUT FROM ONE END, OR INTERMEDIATE POINTS ALONG PIPELINE, UNTIL PIPE IS FILLED, WITH NO VOIDS, AS WITNESSED BY THE DISCHARGE FROM 2" PIPE(S).
- CONTRACTOR TO PROVIDE GROUTING PLAN TO OWNER AND ENGINEER FOR REVIEW AND APPROVAL.
- CONTRACTOR MAY INCREASE LENGTH BETWEEN GROUTING PORTS IF INITIAL, EXTENDED LENGTH GROUTING IS ACCEPTABLE TO THE ENGINEER.
- PIPES TO BE ABANDONED, WHICH ARE 3" AND SMALLER, SHALL BE SAW CUT WITH END OF PIPES BEING GROUT PACKED WITH QUICK SETTING HYDRAULIC CEMENT, 12" MIN., AT ENDS OF PIPE.
- PROVIDE PLUGS, CORPORATION STOPS, AND PIPING AS REQUIRED TO REMOVE AIR FROM THE ABANDONED PIPE LINES WHILE GROUTING.
- CONTRACTOR SHALL UTILIZE EXISTING SERVICES AS GROUT PORTS AS FEASIBLE.
- TAPPED MJ CAPS MAY BE REQUIRED IN CASES WHERE PIPE ABANDONMENT OCCURS AFTER A CUT AND CAP IS UTILIZED FOR A TIE-IN.

GROUT-IN-PLACE PIPE ABANDONMENT

DETAIL	4
NTS	—



DUCTILE IRON PIPE						45° VERTICAL OFFSET (FEET)	
HORIZONTAL, L (FEET)						UPPER	LOWER
Diameter	11 1/4"	22 1/2"	45"	90"	Tee or Cross	Valves and Dead End	
4	1	2	4	10	7	20	9
6	2	3	6	14	15	28	12
8	2	4	8	17	23	37	16
10	2	5	9	21	30	44	19
12	3	5	10	24	38	52	22

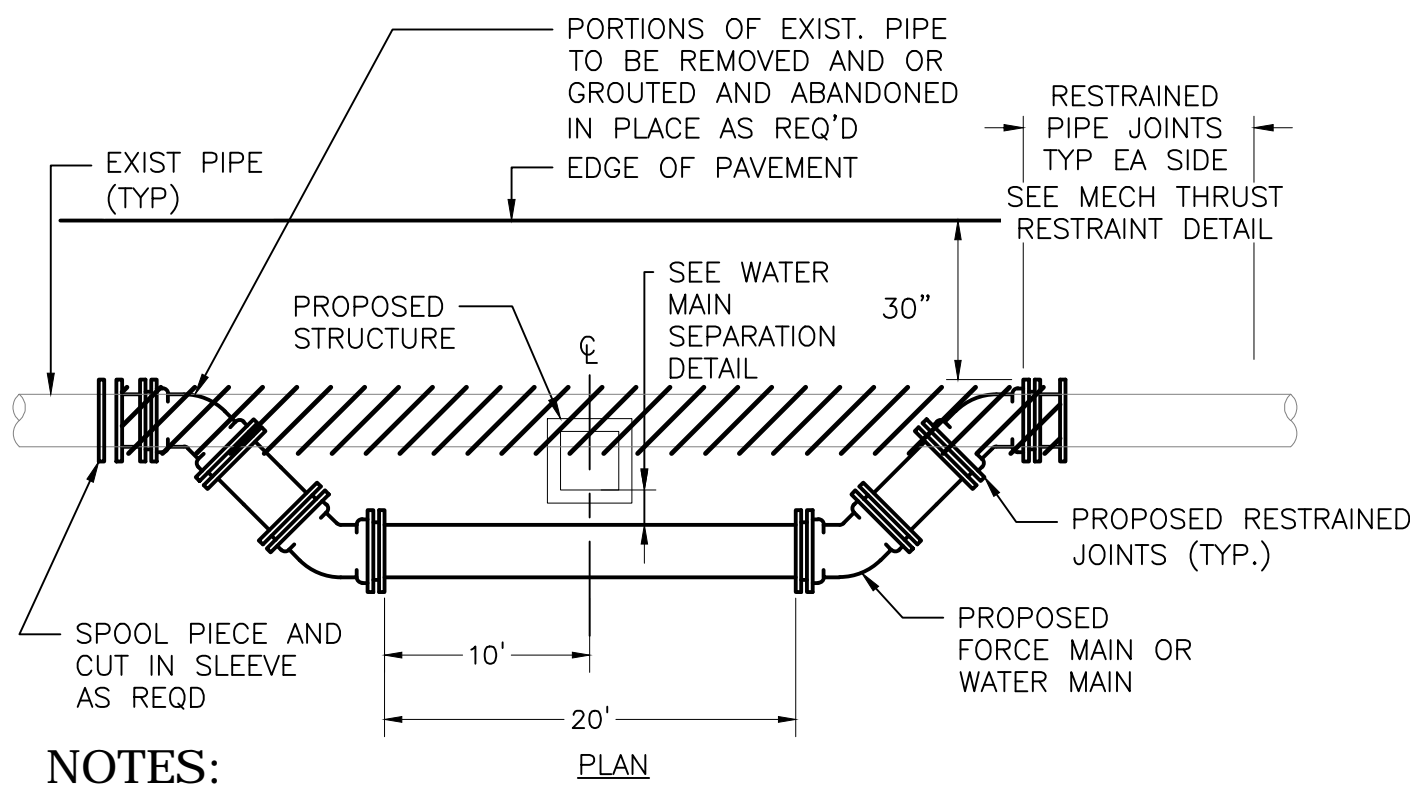
PVC PIPE						45° VERTICAL OFFSET (FEET)	
HORIZONTAL, L (FEET)						UPPER	LOWER
Diameter	11 1/4"	22 1/2"	45"	90"	Tee or Cross	Valves and Dead End	
4	2	3	5	12	11	32	14
6	2	4	7	16	23	45	19
8	3	5	9	21	37	59	25
10	3	5	11	25	48	71	30
12	3	6	12	29	61	83	35

THE NOTED REQUIREMENTS WERE CALCULATED IN ACCORDANCE WITH THRUST RESTRAINT CALCULATOR V7.2 BY EBAA IRON WITH THE FOLLOWING ASSUMPTIONS:  
SOIL CONDITIONS: SW OR GW; NOMINAL SIZE EQUALS BRANCH SIZE; LENGTH ALONG RUN EQUALS 4 FEET  
LAYING CONDITION: 4, SAND BEDDING, BACKFILL COMPACTED > 80%  
VERTICAL LOW SIDE DEPTH EQUALS 3.5 FEET  
MINIMUM COVER: 3.0 FT; SAFETY FACTOR: 1.5; BARE PIPE (NO POLY WRAP)  
IF FIELD CONDITIONS DIFFER FROM THE ABOVE, CONTRACTOR SHALL NOTIFY ENGINEER. FOR PIPE LARGER THAN INCLUDED IN THE ABOVE TABLES, ENGINEER OF RECORD SHALL SUBMIT CALCULATIONS FOR EACH JOINT REQUIRING RESTRAINT.

SINGLE FITTING RESTRAINED JOINT  
150 PSI TEST PRESSURE

MECHANICAL JOINT RESTRAINTS

DETAIL	2
NTS	—



NOTES:

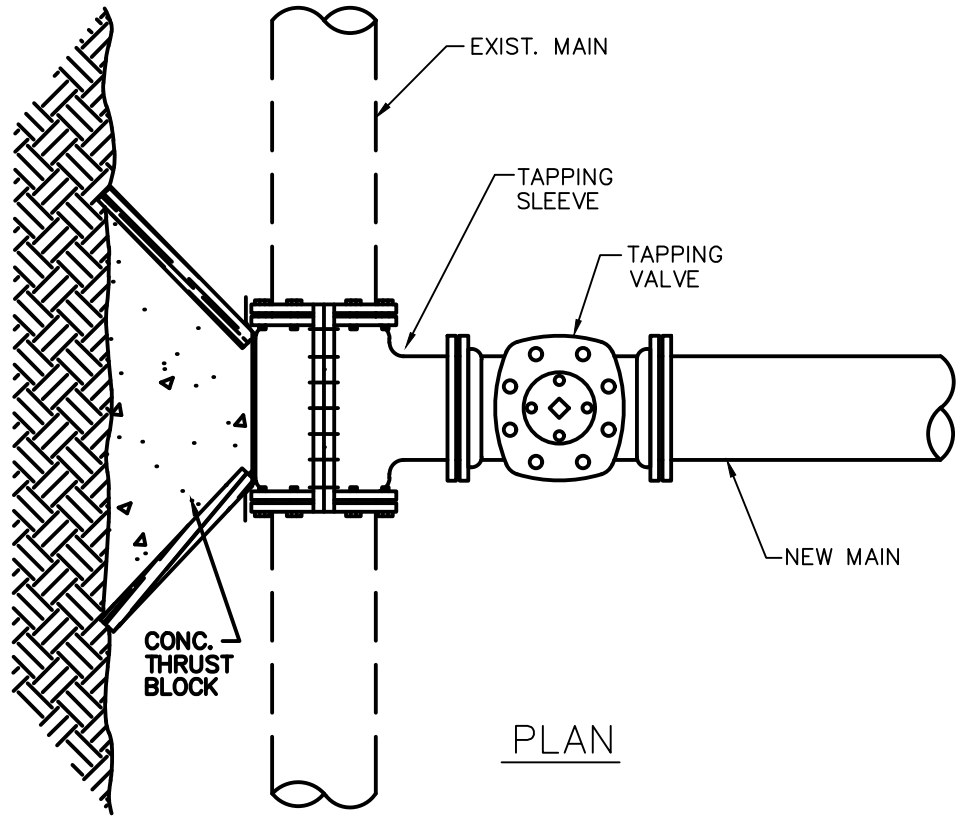
- COAT TIE RODS WITH A BITUMINOUS COATING (2 COATS MIN.) AFTER INSTALLATION.
- REFER TO SPECIFICATIONS FOR HYDROSTATIC TESTING, FLUSHING AND DISINFECTION.
- ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH CHAPTER 62-555 OF THE F.A.C. AS APPLICABLE.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING MATERIALS ON SITE TO TEMPORARILY REPAIR ANY DAMAGE CAUSED TO EXISTING UTILITIES WHILE INSTALLING PROPOSED PIPE.
- EXISTING SEWER LATERALS ARE NOT SHOWN. CONTRACTOR IS RESPONSIBLE TO LOCATE THEM AND PLACE THE PROPOSED WATER MAIN WITHIN THE MINIMUM VERTICAL CLEARANCE ALLOWED BY F.A.C. 62-555.314.
- EXISTING WATER SERVICES ARE NOT SHOWN. CONTRACTOR IS REQUIRED TO CONNECT EXISTING WATER SERVICE(S) TO THE NEW MAIN AFTER THE MAIN HAS BEEN HYDROSTATICALLY TESTED, FLUSHED AND DISINFECTED TO THE SATISFACTION OF THE CITY AND ENGINEER.
- ANY WATER MAIN TO BE ABANDONED AS PART OF THIS INSTALLATION SHALL BE CUT, CAPPED AND GROUTED IN PLACE. CONTRACTOR SHALL SUBMIT A GROUTING PLAN TO THE CITY AND ENGINEER FOR APPROVAL PRIOR TO COMMENCING WITH GROUTING OPERATIONS.

WATERMAIN AND FORCEMAIN HORIZONTAL OFFSET

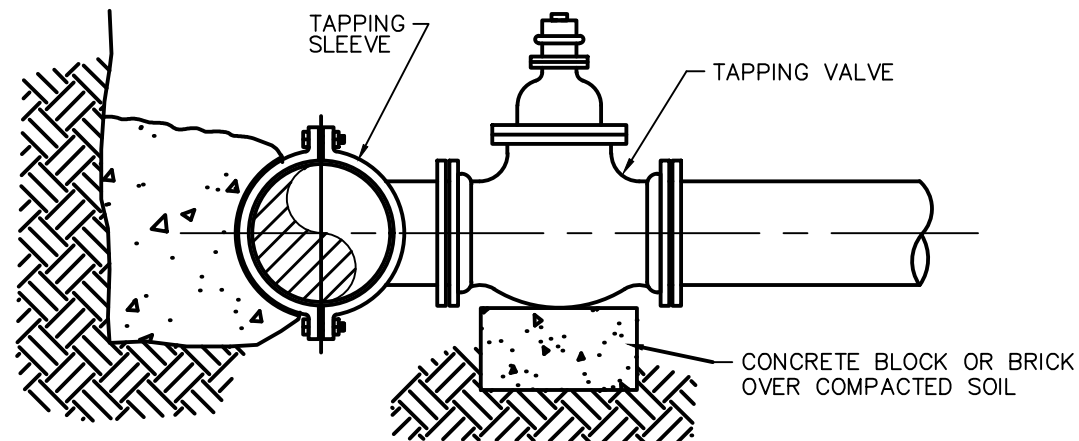
DETAIL	5
6" = 1"=0"	—

# Hazen

HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD, SUITE 750N  
HOLLYWOOD, FLORIDA 33021



PLAN



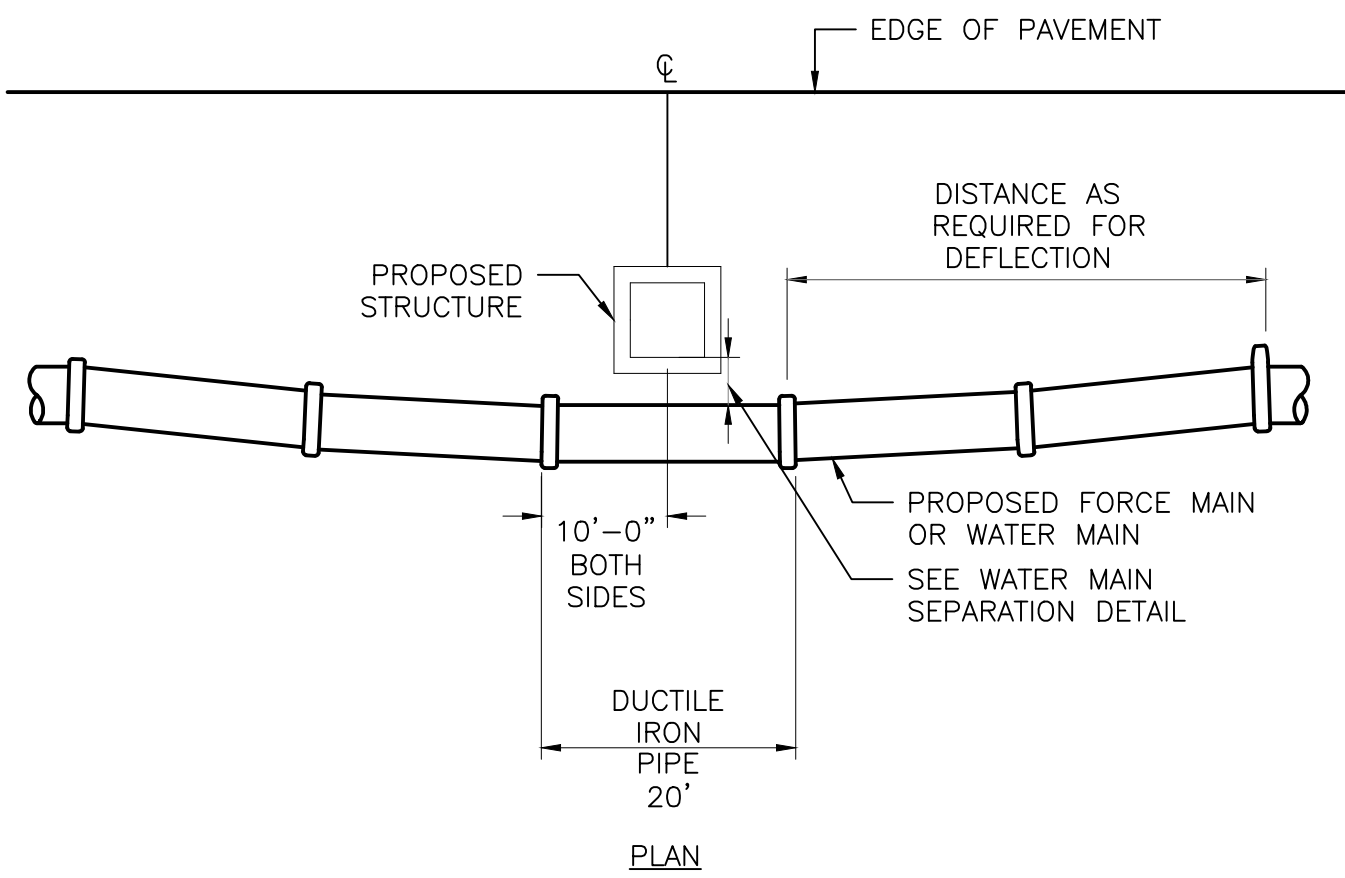
ELEVATION

NOTES:

- NOTIFY THE CITY 48 HOURS IN ADVANCE OF PROPOSED TAP.
- TAPPING MUST BE DONE IN THE PRESENCE OF AN AUTHORIZED CITY REPRESENTATIVE.
- SIZE ON SIZE TAPS ARE NOT PERMITTED.

TAPPING SLEEVE AND VALVE DETAIL

DETAIL	3
NTS	—



PLAN

UTILITY CROSSING DEFLECTION TYPE

DETAIL	6
1' = 1'	—

ENGINEER: ROBERT B. TAYLOR JR.  
REG. No. 44165  
DATE: 02/28/2023

TEL: 954-987-0068  
FAX: 954-987-2849

DRAWN BY: CEW  
DATE: APRIL 2021

DESIGNED BY: CEW  
SCALE: AS NOTED

CHECKED BY: LMS

FIELD BOOK: ###

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION
NO.	DATE	BY

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
UTILITY SEPERATION AND  
CROSSING DETAILS - SHEET 3

SHEET NO.  
**GC-20**

TOTAL: 224

CAD FILE: 11842-GC20

DRAWING FILE NO. 4-142-65

BID SET



**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 02/28/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: CEW  
DESIGNED BY: CEW  
CHECKED BY: LMS  
FIELD BOOK: N/A  
DATE: APRIL 2021  
SCALE: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

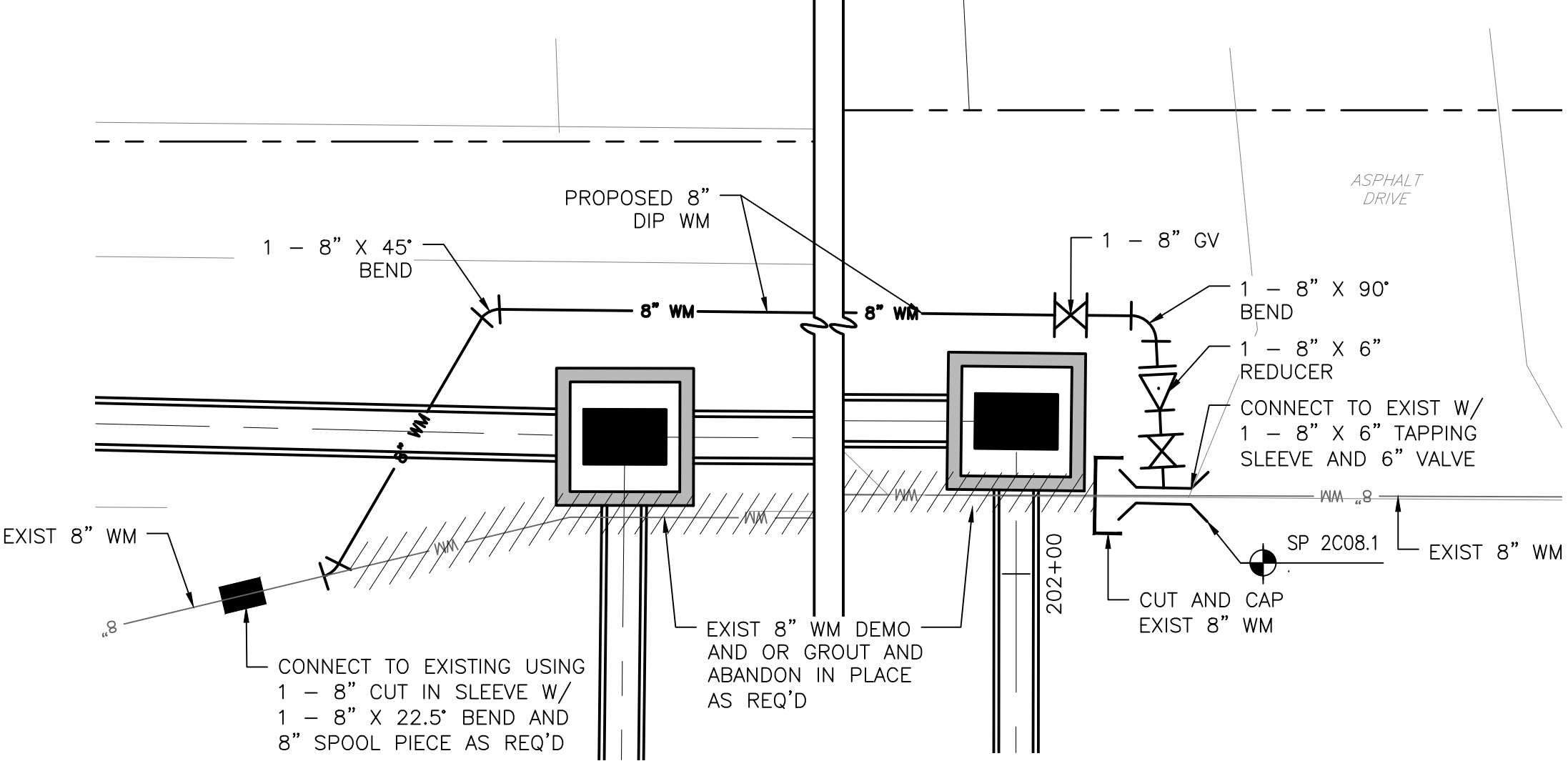
NO.	REVISIONS		DESCRIPTION
	DATE	BY	

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
WATER MAIN CONNECTION  
DETAILS - SHEET 1

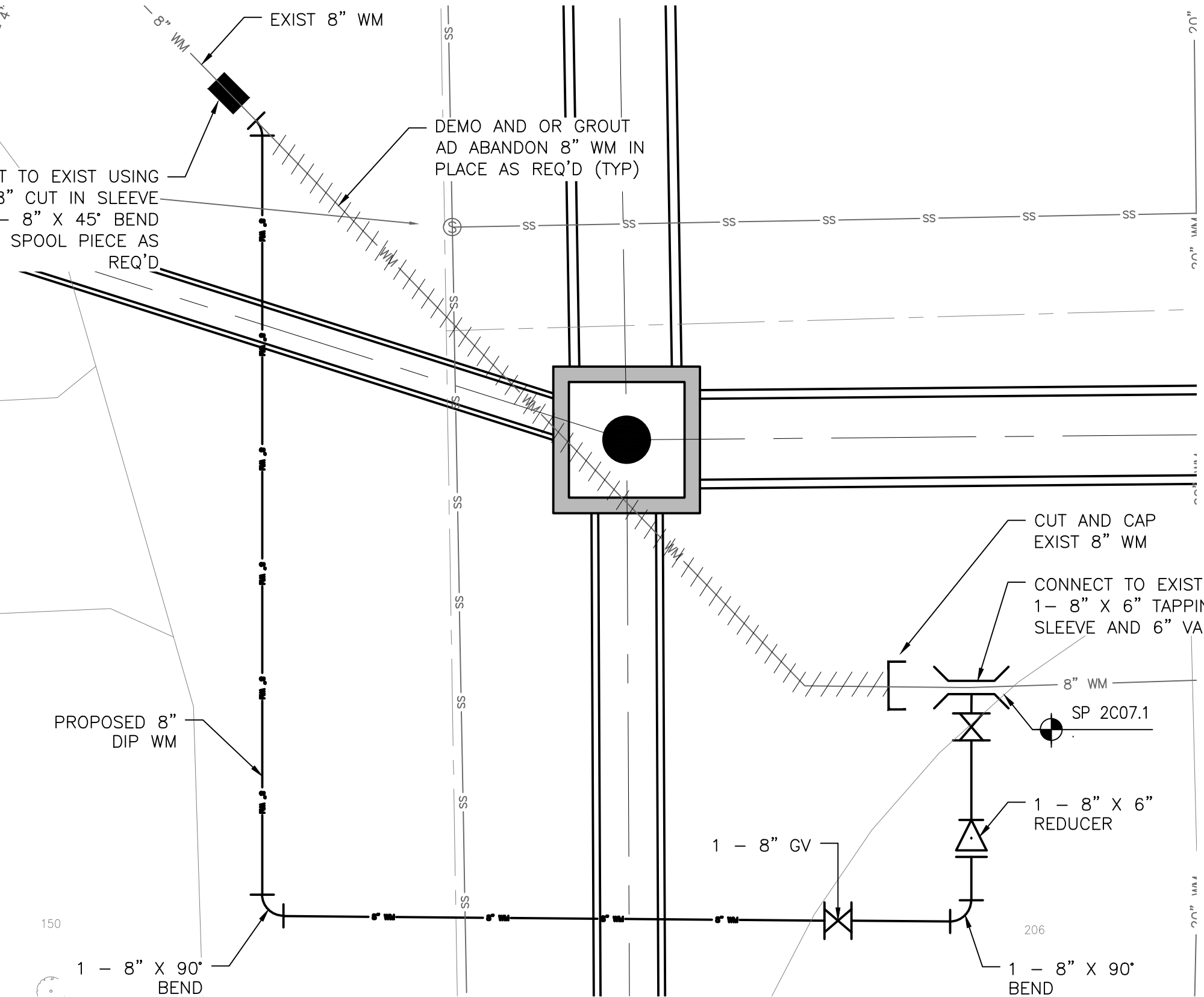
SHEET NO.  
**GC-21**  
TOTAL: 224  
CAD FILE: 11842-GC21  
DRAWING FILE NO. 4-142-65

BID SET

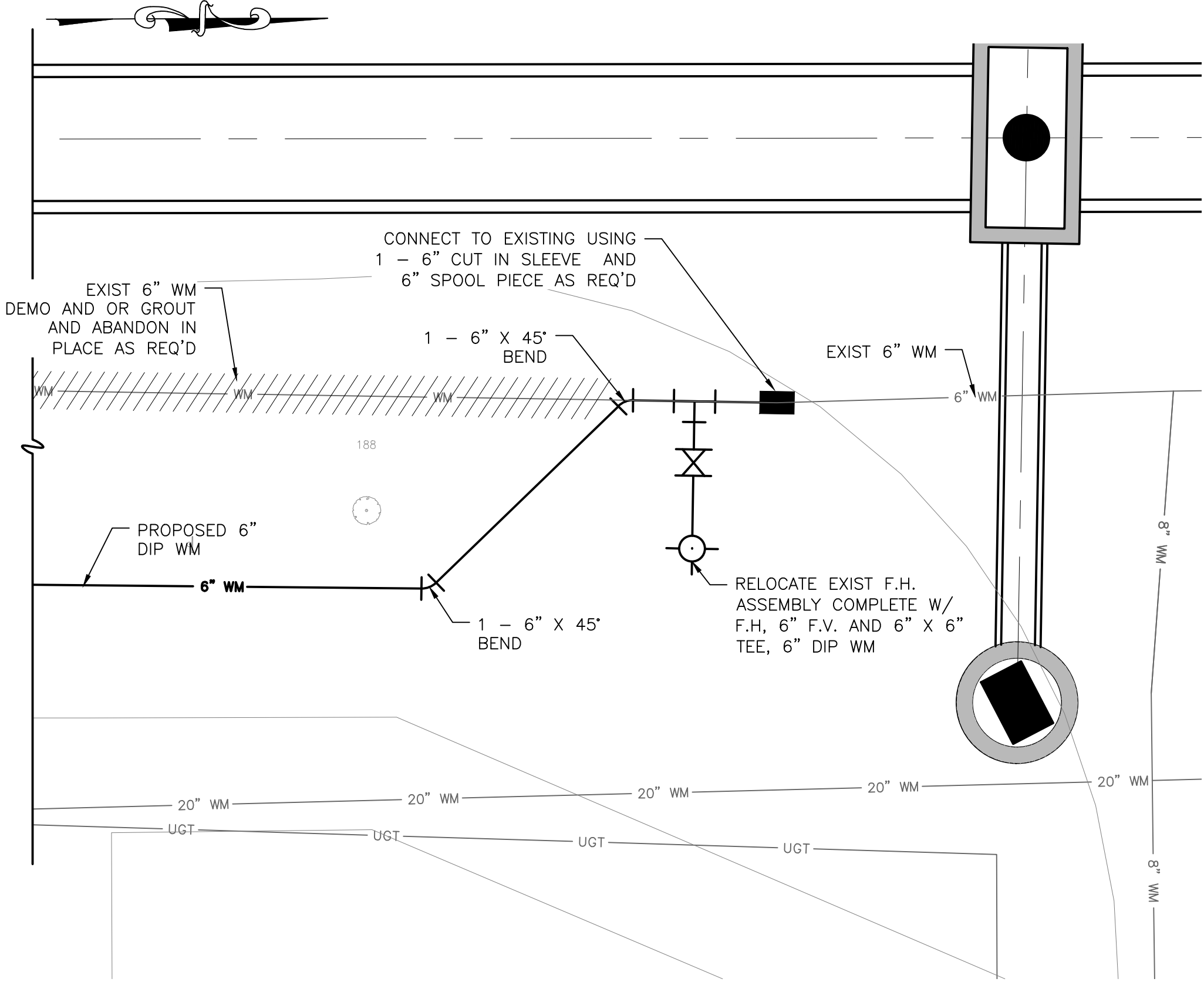
- NOTES:
- COAT TIE RODS WITH BITUMINOUS COATING (2 COATS MIN.) AFTER INSTALLATION.
  - REFER TO SPECIFICATIONS FOR HYDROSTATIC TESTING, FLUSHING AND DISINFECTION.
  - ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH CHAPTER 62-555 OF THE F.A.C. AS APPLICABLE.
  - CONTRACTOR IS RESPONSIBLE FOR KEEPING MATERIALS ON SITE TO TEMPORARILY REPAIR ANY DAMAGE CAUSED TO EXISTING UTILITIES WHILE INSTALLING PROPOSED PIPE.
  - EXISTING SEWER LATERALS ARE NOT SHOWN. CONTRACTOR IS RESPONSIBLE TO LOCATE THEM AND PLACE THE PROPOSED WATER MAIN WITHIN THE MINIMUM VERTICAL CLEARANCE ALLOWED BY F.A.C. 62-555.314.
  - EXISTING WATER SERVICES ARE NOT SHOWN. CONTRACTOR IS REQUIRED TO CONNECT EXISTING WATER SERVICE(S) TO THE NEW MAIN AFTER THE MAIN HAS BEEN HYDROSTATICALLY TESTED, FLUSHED AND DISINFECTED TO THE SATISFACTION OF THE CITY AND ENGINEER.
  - ANY WATER MAIN TO BE ABANDONED AS PART OF THIS INSTALLATION SHALL BE CUT, CAPPED AND GROUTED IN PLACE. CONTRACTOR SHALL SUBMIT A GROUTING PLAN TO THE CITY AND ENGINEER FOR APPROVAL PRIOR TO COMMENCING WITH GROUTING OPERATIONS.



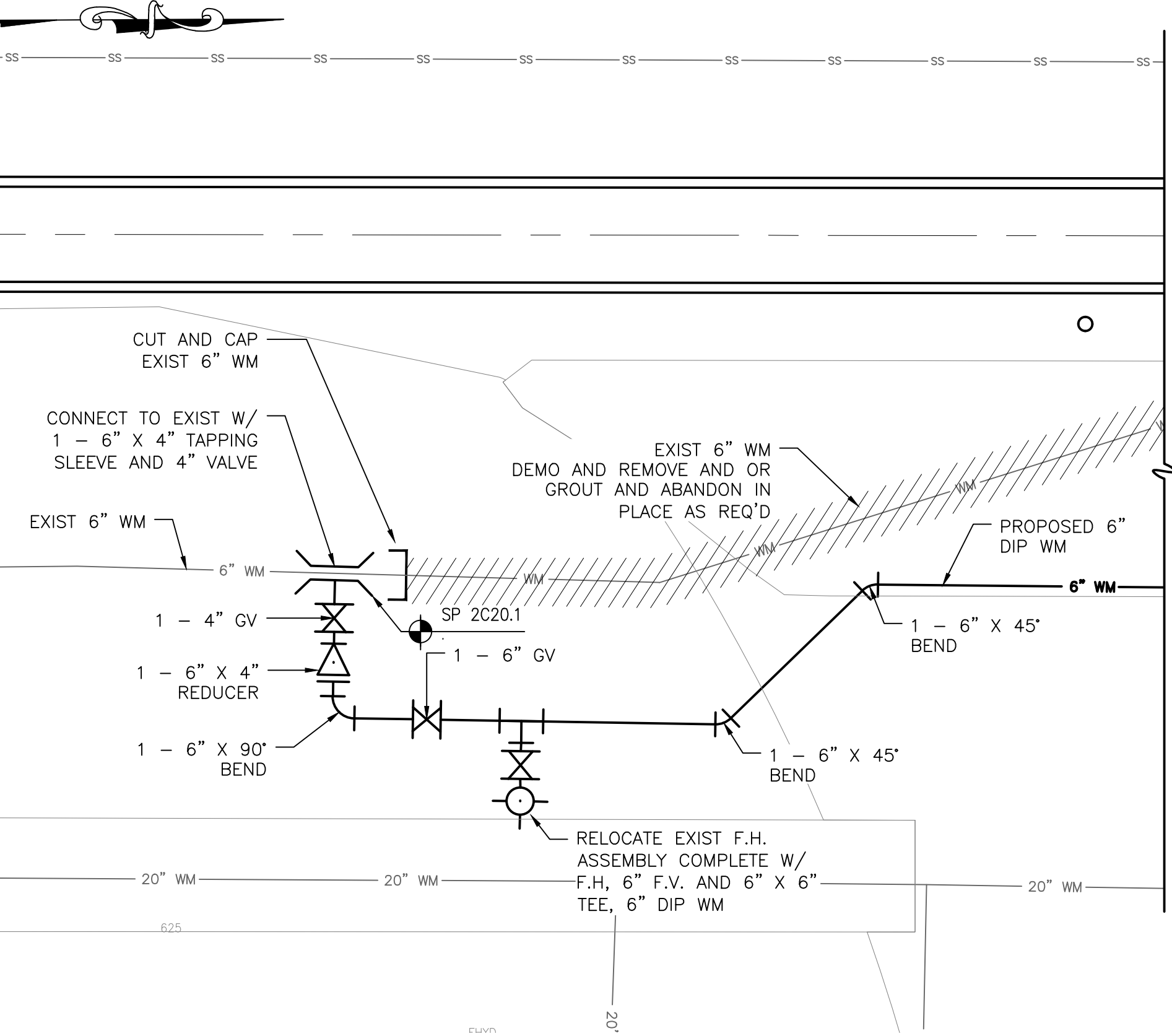
DETAIL 2  
1" = 5'



DETAIL 1  
1" = 5'



DETAIL 3  
1" = 5'



DETAIL 4  
1" = 5'



**Hazen**  
HAZEN AND SAWYER  
4000 HOLLYWOOD BLVD. SUITE 750N  
HOLLYWOOD, FLORIDA 33021

ENGINEER:  
ROBERT B. TAYLOR JR  
REG. No: 44165  
DATE: 06/29/2023  
TEL: 954-987-0066  
FAX: 954-987-2949

DRAWN BY: CEW  
DESIGNED BY: CEW  
CHECKED BY: LMS  
DATE: APRIL 2021  
SCALE: N/A  
FIELD BOOK: N/A

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301



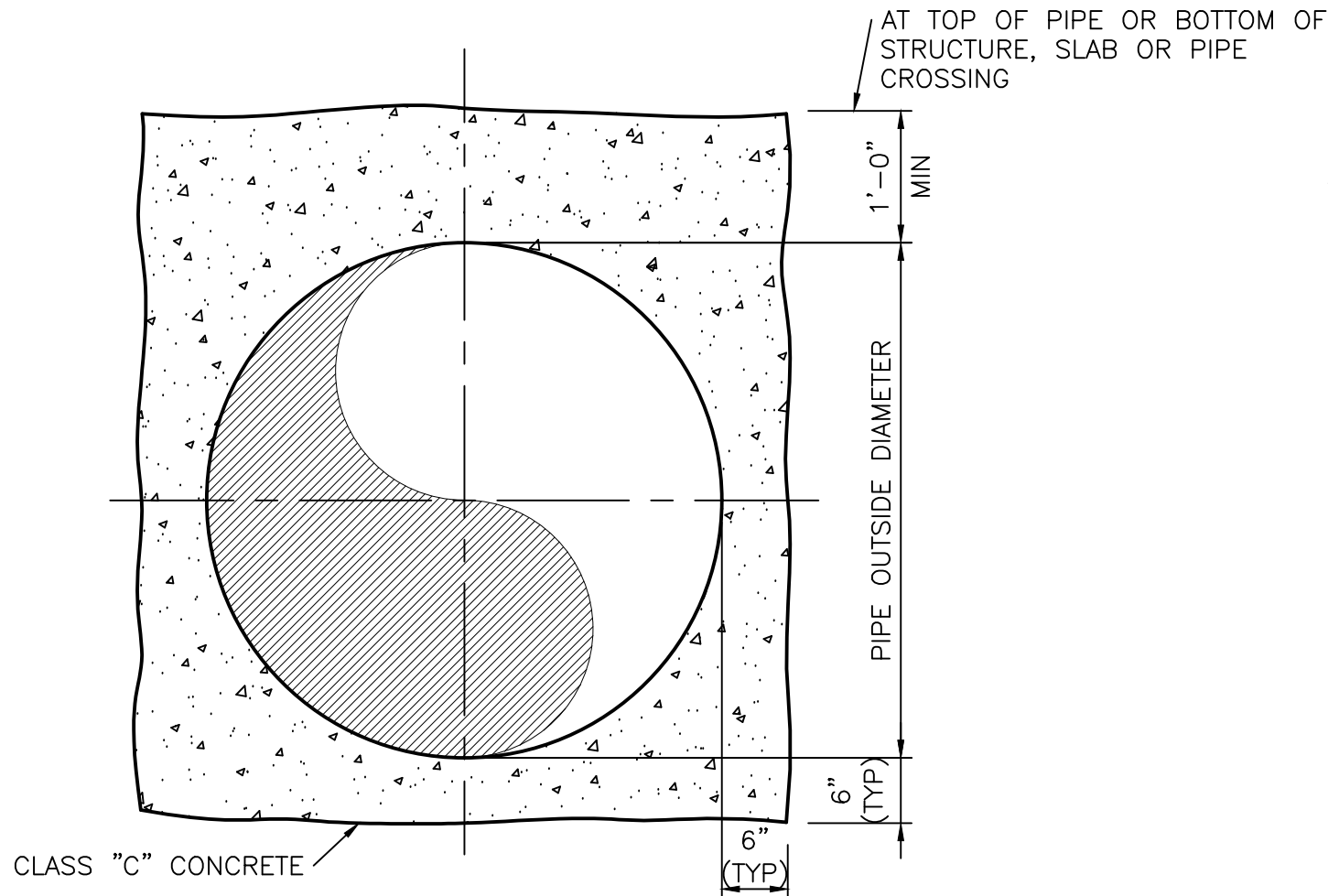
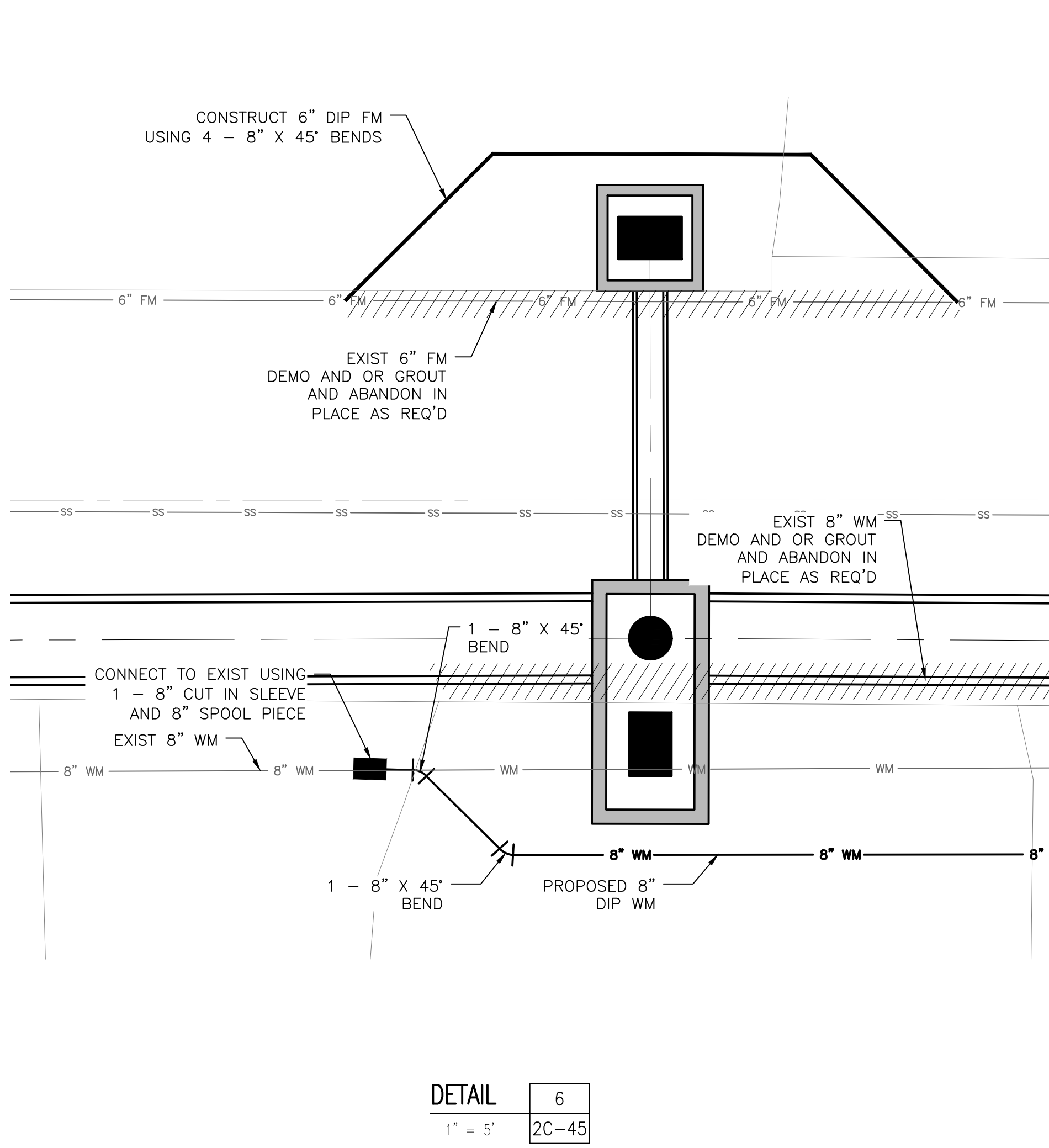
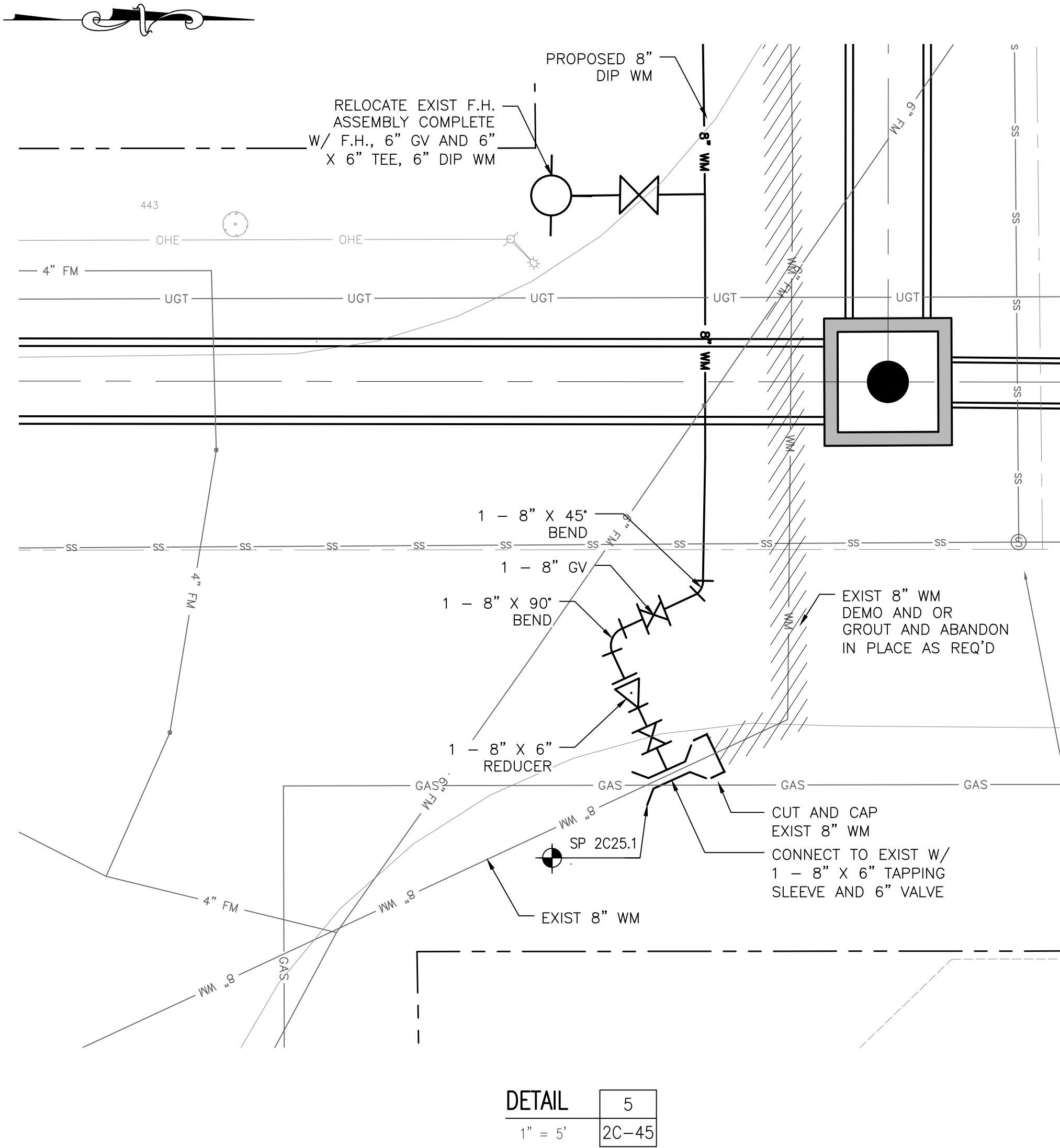
- NOTES:
1. COAT TIE RODS WITH BITUMINOUS COATING (2 COATS MIN.) AFTER INSTALLATION.
  2. REFER TO SPECIFICATIONS FOR HYDROSTATIC TESTING, FLUSHING AND DISINFECTION.
  3. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH CHAPTER 62-555 OF THE F.A.C. AS APPLICABLE.
  4. CONTRACTOR IS RESPONSIBLE FOR KEEPING MATERIALS ON SITE TO TEMPORARILY REPAIR ANY DAMAGE CAUSED TO EXISTING UTILITIES WHILE INSTALLING PROPOSED PIPE.
  5. EXISTING SEWER LATERALS ARE NOT SHOWN. CONTRACTOR IS RESPONSIBLE TO LOCATE THEM AND PLACE THE PROPOSED WATER MAIN WITHIN THE MINIMUM VERTICAL CLEARANCE ALLOWED BY F.A.C. 62-555.314.
  6. EXISTING WATER SERVICES ARE NOT SHOWN. CONTRACTOR IS REQUIRED TO CONNECT EXISTING WATER SERVICE(S) TO THE NEW MAIN AFTER THE MAIN HAS BEEN HYDROSTATICALLY TESTED, FLUSHED AND DISINFECTED TO THE SATISFACTION OF THE CITY AND ENGINEER.
  7. ANY WATER MAIN TO BE ABANDONED AS PART OF THIS INSTALLATION SHALL BE CUT, CAPPED AND GROUTED IN PLACE. CONTRACTOR SHALL SUBMIT A GROUTING PLAN TO THE CITY AND ENGINEER FOR APPROVAL PRIOR TO COMMENCING WITH GROUTING OPERATIONS.

NO.	REVISONS		DATE	BY	DESCRIPTION
	CH'D				

PROJECT # 11842  
STORMWATER IMPROVEMENTS  
EDGEWOOD NEIGHBORHOOD  
WATER MAIN CONNECTION  
DETAILS - SHEET 2

SHEET NO.  
**GC-22**  
TOTAL: 224  
CAD FILE: 11842-GC22  
DRAWING FILE NO. 4-142-65

BID SET



- NOTES:
1. ENCASE PIPE WHERE INDICATED ON THE PLANS.
  2. ALL CONCRETE ENCASEMENTS MUST BE FORMED AND INSPECTED BY THE CITY'S INSPECTOR PRIOR TO PLACING CONCRETE AND BACKFILLING.
  3. WRAP PIPE IN VISQUEEN PRIOR TO POURING ENCASEMENT.
  4. AT CROSSINGS, ENCASEMENT SHALL EXTEND TEN FEET (10') ON EITHER SIDE OF CROSSING.
  5. BEGINNING AND ENDING OF ENCASEMENTS SHALL NOT BE MORE THAN 6" FROM A PIPE JOINT.

CONCRETE ENCASEMENT  
DETAIL 7  
NTS



CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT

MINORITY BUSINESS ENTERPRISE (MBE) - WOMEN BUSINESS ENTERPRISE (WBE)

PRIME CONTRACTOR IDENTIFICATION FORM

In order to assist us in identifying the status of those companies doing business with the City of Fort Lauderdale, this form must be completed and returned with your bid package.

Name of Firm:	<input type="text"/>
Address of Firm:	<input type="text"/>
Telephone Number:	<input type="text"/>
Name of Person Completing Form:	<input type="text"/>
Title:	<input type="text"/>
Signature:	<input type="text"/>
Date:	<input type="text"/>
City Project Number:	<input type="text"/>
City Project Description:	<input type="text"/>

Please check the item(s) which properly identify the status of your firm:

- ☐ Our firm is not a MBE or WBE.
- ☐ Our firm is a MBE, as at least 51 percent is owned and operated by one or more socially and economically disadvantaged individuals.
- ☐ American Indian   ☐ Asian   ☐ Black   ☐ Hispanic
- ☐ Our firm is a WBE, as at least 51 percent is owned and operated by one or more women.
- ☐ American Indian   ☐ Asian   ☐ Black   ☐ Hispanic



**MBE/WBE CONTRACTOR INFORMATION**

The City, in a continuing effort, is encouraging the increased participation of minority and women-owned businesses in Public Works Department related contracts. Along those lines, we are requiring that each firm provide documentation detailing their own programs for utilizing minority and women-owned businesses.

Submit this information as a part of this bid package and refer to the checklist, to ensure that all areas of concern are covered. The low responsive bidder may be contacted to schedule a meeting to discuss these objectives. It is our intention to proceed as quickly as possible with this project, so your cooperation in this matter is appreciated.

**CONTRACTOR CHECKLIST**

- ☐ List Previous City of Fort Lauderdale Contracts

- ☐ Number of Employees in your firm

--Percent (  %) Women

--Percent (  %) Minorities

--Job Classifications of Women and Minorities

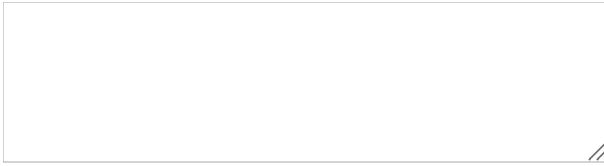
- ☐ Use of minority and/or women subcontractors on past projects.

- ☐ Nature of the work subcontracted to minority and/or women-owned firms.

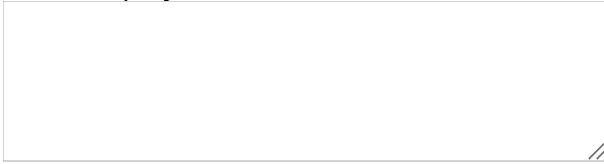
- ☐ How are subcontractors notified of available opportunities with your firm?



☐ Anticipated amount to be subcontracted on this project.

A large, empty rectangular box with a thin black border, intended for the user to input the anticipated amount to be subcontracted on this project. A small double-slash icon is visible in the bottom right corner of the box.

☐ Anticipated amount to be subcontracted to minority and/or women-owned businesses on this project.

A large, empty rectangular box with a thin black border, intended for the user to input the anticipated amount to be subcontracted to minority and/or women-owned businesses on this project. A small double-slash icon is visible in the bottom right corner of the box.



**QUESTIONNAIRE SHEET**

PLEASE PRINT OR TYPE:

Firm Name: President 

Business Address:

Telephone: 

Fax:

E-Mail Address:

What was the last project of this nature which you completed? Include the year, description, and contract value.

The following are named as three corporations and representatives of those corporations for which you have performed work similar to that required by this contract, and which the City may contact as your references (include addresses, telephone numbers and e-mail addresses). Include the project name, year, description, and contract value.

<input type="text"/>
<input type="text"/>
<input type="text"/>

How many years has your organization been in business? 

Have you ever failed to complete work awarded to you; if so, where and why?

The name of the qualifying agent for the firm and his position is: Certificate of Competency Number of Qualifying Agent: Effective Date:  Expiration Date: Licensed in:  Engineering Contractor's License #

(County/State)

Expiration Date:



**NOTE: To be considered for award of this contract, the bidder must submit a financial statement upon request.**

**NOTE: Contractor must have proper licensing and shall provide copy of same with his proposal.**

### QUESTIONNAIRE SHEET

1. Have you personally inspected the proposed work and have you a complete plan for its performance?

2. Will you sublet any part of this work? If so, list the portions or specialties of the work that you will.

a)

b)

c)

d)

e)

f)

g)

3. What equipment do you own that is available for the work?

4. What equipment will you purchase for the proposed work?

5. What equipment will you rent for the proposed work?



**TRENCH SAFETY**

Bidder acknowledges that included in the appropriate bid items of his bid and in the Total Bid Price are costs for complying with the Florida Trench Safety Act, Florida Statutes 553.60 – 553.64. The bidder further identifies the costs of such compliance to be summarized below:

Trench Safety Measure (Description)	Units of Measure (LF/SF)	Unit (Quantity)	Unit Cost	Extended Cost
A. <input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
B. <input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
C. <input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
D. <input type="text"/>	<input type="text"/>	<input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

Total: \$

The bidder certifies that all trench excavation done within his control in excess of five feet (5') in depth shall be in accordance with the Occupational Safety and Health Administration's excavation safety standards, C.F.R. s. 1926.650 Subpart P., and the Florida Trench Safety Act, Florida Statutes 553.60-553.64.

Failure to complete the above may result in the bid being declared non-responsive.

DATE:

(SIGNATURE)

STATE OF:  COUNTY OF:

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

(Name of Individual Signing)

who, after first being duly sworn by me,

affixed his/her signature in the space provided above on this

day of , 20 .

NOTARY PUBLIC

My Commission Expires:



**NON-COLLUSION STATEMENT:**

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

- 3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

**Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.**

**NAME**

**RELATIONSHIPS**



**In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.**

--

Authorized Signature

--

Title

--

Name (Printed)

--

Date



**CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH  
NON-DISCRIMINATION PROVISIONS OF THE CONTRACT**

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-187(c), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

The Contractor shall not, in any of his/her/its activities, including employment, discriminate against any individual on the basis of race, color, national origin, religion, creed, sex, disability, sexual orientation, gender, gender identity, gender expression, or marital status.

1. The Contractor certifies and represents that he/she/it will comply with Section 2-187, Code of Ordinances of the City of Fort Lauderdale, Florida, as amended by Ordinance C-18-33 (collectively, "Section 2-187").
2. The failure of the Contractor to comply with Section 2-187 shall be deemed to be a material breach of this Agreement, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.
3. The City may terminate this Agreement if the Contractor fails to comply with Section 2-187.
4. The City may retain all monies due or to become due until the Contractor complies with Section 2-187.
5. The Contractor may be subject to debarment or suspension proceedings. Such proceedings will be consistent with the procedures in section 2-183 of the Code of Ordinances of the City of Fort Lauderdale, Florida.

Authorized Signature

Print Name and Title

Date



## CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept these credit cards or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below you agree with these terms.

Please indicate which credit card payment you prefer:

☐ MasterCard

☐ Visa

Company Name

Name (Printed)

Signature

Date

Title



**CONSTRUCTION BID CERTIFICATION**

**Please Note:** It is the sole responsibility of the bidder to ensure that his bid is submitted electronically through [www.BidSync.com](http://www.BidSync.com) prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the Department of State, in accordance with Florida Statute §607.1501 (visit <http://www.dos.state.fl.us/>).

Company: (Legal Registration)

Address:

City:  State:  Zip:

Telephone No.:  FAX No.:  Email:

Check box if your firm qualifies for MBE / SBE / WBE: ☐

If a corporation, state the name of the President, Secretary and Resident Agent. If a partnership, state the names of all partners. If a trade name, state the names of the individuals who do business under the trade name.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Name</b>	<b>Title</b>	<b>Name</b>	<b>Title</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Name</b>	<b>Title</b>	<b>Name</b>	<b>Title</b>

**ADDENDUM ACKNOWLEDGEMENT** - Bidder acknowledges that the following addenda have been received and are included in the proposal:

<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>	<u>Addendum No.</u>	<u>Date Issued</u>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**VARIANCES:** If you take exception or have variances to any term, condition, specification, or requirement in this bid you must specify such variance in the space provided below or reference in the space provided below all variances contained on other pages within your bid. Additional pages may be attached if necessary. No variances will be deemed to be part of the bid submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A. **You must also click the "Take Exception" button.**

The below signatory affirms that he has or will obtain all required permits and licenses from the appropriate agencies, and that his firm is authorized to do business in the State of Florida. The below signatory agrees to furnish all labor, tools, material, equipment and supplies, and to sustain all the expense incurred in doing the work set forth in strict accordance with the bid plans and contract documents at the unit prices indicated if awarded a contract. The below signatory has not divulged to, discussed, or compared this bid with other bidders, and has not colluded with any other bidder or parties to this bid whatsoever. Furthermore, the undersigned guarantees the truth and accuracy of all statements and answers contained in this bid. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a bid, that in no event shall the City's liability for bidder's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars (\$500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

**Submitted by:**

Name (printed)

Signature

Date

Title



Revised 4/28/2020





City of Fort Lauderdale • Procurement Services Division  
100 N. Andrews Avenue, 619 • Fort Lauderdale, Florida 33301  
954-828-5933 Fax 954-828-5576  
[purchase@fortlauderdale.gov](mailto:purchase@fortlauderdale.gov)

ITB NO. 12545-613  
Public Works Department Engineering Division  
Edgewood Stormwater Improvements (P11842)

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## ADDENDUM NO. 1

ISSUED: July 15, 2021

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This Addendum is being issued to provide the following information. It is hereby made a part of the Plans and Specifications and shall be included with all contract documents.

Acknowledge receipt of this Addendum by inserting its number and date on the CITB Construction Bid Certification Page.

Bid Opening will be extended to:

**New Date July 27, 2021.**

### Clarifications:

1. Included as Attachment A to this Addendum are the Surface Water Management License and the Environmental Resource License provided for Contractor information. Per the Contract Documents GC-09, the Contractor shall comply with all applicable Codes, Standards, Specifications, etc. relating to all aspects of the project.

### Specifications:

Words in ~~**bold strikethrough**~~ type are deletions from existing text. Words in **bold underlined** type are additions to existing text.

A list and description of Specification revisions made under Addendum No. 1 is detailed below:

1. Section 01025 – MEASUREMENT AND PAYMENT, Paragraph 1.03F-1
  - a. Item No. 142 – Existing Tree Protection: The lump sum price for this bid item shall be full compensation for protection of existing trees and landscaping, including all aspects of protection, ~~trimming~~, pruning, fertilizing, and watering, furnished in accordance with



- Contract Documents. This item also includes the preparation and submittal of a tree disposition and landscape plan as well as the process for submitting and gaining approval of this plan.
2. Section 01025 – MEASUREMENT AND PAYMENT, Paragraph 1.03F-8
    - a. **Item No. 158 – Existing Tree Trimming: The unit price for this bid item shall be full compensation for all labor, equipment, and materials required for trimming of existing trees and landscaping including overhanging limbs that conflict with the installation of proposed improvements. Trimming of trees shall include obtaining any permits required as well as disposal of all trimmed tree limbs/material. All trimming of trees will be at the discretion of the ENGINEER and CITY.**
  3. Section 15177 – INLINE CHECK VALVES, Paragraph 2.01A
    - a. Manufacturers: Inline check valves shall be WASTOP by WAPRO Inc., **no substitutions or approved equal.**
  4. Section 15995 – PIPELINE TESTING AND DISINFECTION
    - a. Delete this section in its entirety and replace with the attached Section 15995 – Pipeline Testing and Disinfection, Addendum 1.

**Plans:**

A list and description of Plan Revisions under Addendum No. 1 marked as Revision 1 and dated 7/13/21 is detailed below:

1. Sheet G-02 – LIST OF DRAWINGS
  - a. Complete sheet updated.
  - b. Sheet was revised to add sheet additions 1C-47 and 1C-48.
2. Sheet G-14 – SOIL BORING LOCATIONS
  - a. Complete sheet updated.
  - b. Sheet was revised to show all soil boring locations from the corresponding Geotechnical Reports in the Contract Documents.
3. Sheet 1C-47 – EDGEWOOD WEST - TREE TABLE SHEET
  - a. New sheet added to set.
  - b. Sheet was added to show tree tables of species in survey.
4. Sheet 1C-48 – EDGEWOOD EAST - TREE TABLE SHEET
  - a. New sheet added to set.
  - b. Sheet was added to show tree tables of species in survey.



All other terms, conditions, and specifications remain unchanged.

**Maureen Lewis, MBA, CPPB**

Sr. Procurement Specialist

Company Name: \_\_\_\_\_  
(please print)

Bidder's Signature: \_\_\_\_\_

Date: \_\_\_\_\_



# Attachment A - Edgewood Neighborhood Permits