CONSTRUCTION DRAWINGS
FOR
SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

VOLUME II OF IV
SIPS WATER MAIN AND RAW WATER MAIN
CIVIL, RESTORATION, AND TEMPORARY TRAFFIC CONTROL

JEA PROJECT No. 8004887

CITY OF JACKSONVILLE NOTES

GENERAL

All construction shall be performed in accordance with the approved plans and comply with all standard city policies and practices. City approval is contingent upon any required state or federal permit approvals such as those from the Department of Environmental Protection or the St. Johns River Water Management District (SJRWMD).

UTILITY WORK

Plan approval through Development Services does not include utilities. Proposed water, sewer or electric construction must be approved separately through the respective utility company. In most cases, this will be:

JEA
JEA Tower - 4th Floor
21 W. Church Street
Jacksonville, FL 32202
http://www.jea.com/business/services/devandbuild/developers.asp

WORK WITHIN THE RIGHT-OF-WAY

CITY: Except for new subdivision infrastructure construction, all work performed within a City of Jacksonville right-of-way or easement requires a Right-of-way Permit. The contractor performing the proposed work must have a current Right-of-way Bond on file with Development Services. Right-of-way Permit applications are processed at:

Development Services Customer Service Counter
Edward Ball Building, 2nd Floor
214 N. Hogan St.
Jacksonville, FL 32202
(904) 255-8572
http://row.jaxdev.info/

STATE: All work performed within a state right-of-way requires a permit from the Florida Department of Transportation (FDOT). It is the developer's responsibility to obtain required FDOT permits or maintenance-of-traffic approvals for work within FDOT right-of-ways. The FDOT regional office can be contacted at (904) 360-5200 Any changes to the approved plans needed for FDOT approval must be submitted to Development Services as revisions.

Adjacent State Roads: _____

RAILROAD: Railroad companies may require special approvals or permits to work within their right-of-ways. It is the developer's responsibility to obtain permission from any railroad right-of-way owner before performing any work within their right-of-way.

STORMWATER

Annual reports in compliance with the SJRWMD stormwater permits are required from the maintenance entity of all stormwater management facilities. Send copies of the reports to:

Engineering and Construction Management
Edward Ball Building, 10th Floor
214 N. Hogan St.
Jacksonville, FL 32202
http://www.coj.net/Departments/Public+Works/Engineering+and+Construction+Management/

The owner of any project one (1) acre or larger is required to provide a Notice of Intent (NOI) in accordance with criteria set forth in the city's NPDES permit within 48 hours of beginning construction. Send NOI and NOI fee to:

Florida Department of Environmental Protection
NPDES Stormwater Notices Center, Mail Station #2510
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
(866) 336-6312
http://www.dep.state.fl.us/water/stormwater/npdes/

The contractor shall contact the Environmental Quality Division, Erosion and Sedimentation Control Section (ESC) to provide verification that applicable stormwater permits have been obtained and to schedule a pre-construction ESC site inspection:

Environmental Quality Division
407 North Laura Street, Third Floor
Jacksonville, FL. 32202
(904) 255-7222

FIRE MARSHALL

Plan review and approval does not relieve the contractor of complying with all applicable State Fire Codes.

Underground mains and hydrants shall be installed, completed, and in service prior to construction work.

Underground contractor shall submit to the Fire Marshall for approval complete specs for all underground pipe and fittings relating to fire protection PRIOR to installation and inspection. Contractor shall include manufacturer's name and pipe ID along with contractor's state license number.

LANDSCAPE

A Site Work Permit is required for this project.

☐ Tree Fund payment is due: _____ inches at $_____ = $_____

☐ Article 25 funds are due: _____ inches at $_____ = $_____

TRAFFIC ENGINEERING

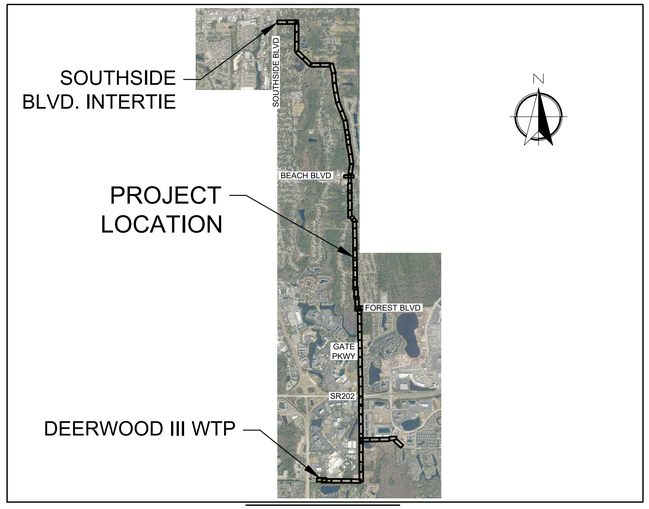
TRAFFIC SIGNS

Metro Name	_____	$55.00	ea.	_____
Standard	_____	$55.00	ea.	_____
Stop/Yield	_____	$55.00	ea.	_____
Design	_____	$55.00		_____
Installation	_____	$55.00	/hr.	_____
		TOTAL		_____

☐ Streetlights Required

NOTE: Traffic sign costs change from time to time. If the costs change after plan approval but prior to payment for installation, the developer must pay the for the signs at the current costs. The above total assumes the subdivision will be platted as one phase. If the development is platted as separate phases, design and installation will be calculated separately for each phase.

No lane closures allowed from 7 a.m. till 9 a.m. and from 4 p.m. till 6 p.m.



VICINITY MAP

GRAPHIC SCALE
0 1,500 3,000
SCALE: 1" = 3,000'

PREPARED BY:

Jacobs

JACOBS PROJECT No. D32549S3
200 W FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
TEL.: (904) 636-5432
FAX: (904) 224-3102
COA # 2822

PREPARED FOR:

JEA sm
Building Community sm

PLAN APPROVAL

_____ Date _____ Development Services Division (Chief)

_____ Date _____ Review Group (Reviewer)

Plan approval is valid for five years after the initial approval date. Revisions made after the initial approval date do not extend this five-year time frame.

PLAN APPROVAL IS SUBJECT TO THE FOLLOWING NOTES AND CONDITIONS:

GENERAL PROJECT INFORMATION

GENERAL	
City Development Number	4161.337
Concurrency Application Number	
Property Appraiser Number (RE #)	
Zoning Designation	
PUD Ordinance Number	
FIRM – Community – Panel	
Flood Zones (Show in Plans)	
Base Flood Elev. (Show in Plans)	
Vertical Datum Used for Project	NAVD 88
JEA Availability Number	
SUBDIVISION	
PSD Number	
City or Private Inspection	
Public or Private Roads	
Subdivision ("911") Disk Provided?	
NON-SUBDIVISION	
North American Industry Classification System (NAICS)	
Impervious Area (Sq. Ft.)	

90% DESIGN SUBMITTAL
MAY 2021
NOT FOR CONSTRUCTION

811 FOR BURIED UTILITY INFORMATION
THREE (3) BUSINESS DAYS
BEFORE YOU DIG CALL 811
www.call811.com

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
6.			
5.			
4.			
3.			
2.			
1.			

Construction & Engineering Services Consultants, Inc.
8426 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

C&ES

DESIGNER:	CVM	DESIGN ENGINEER:	CLARO NACU MAGPANTAY
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	60164
DATE:	MAY 2021		

JEA sm Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
COVER SHEET

PROJ. NO.	D32549S3	NO. SHEETS	112
DATE:	MAY 2021	SHEET NO.	1
SCALE:	AS SHOWN	DRAWING NO.	CS-1

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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X:\D32495\+b-Boster_I_\d0228455\JEA\D32549S3_I_\d0228455\+b-Booster.dwg]

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

CLARO NACU MAGPANTAY LICENSE No. 60164 STATE OF FLORIDA PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

CONSTRUCTION & ENGINEERING
SERVICES CONSULTANTS, INC.
9432 BAYMEADOWS ROAD, SUITE 100
JACKSONVILLE, FL 32256
CERTIFICATE OF AUTHORIZATION 27598
CLARO N. MAGPANTAY, PE NO 60164

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

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	SITE CIVIL PLAN – KEY MAP
4–34	PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN SHEETS
35–65	PAVEMENT REPAIR & RESURFACING PLAN SHEETS
66–82	PAVEMENT MARKING PLAN SHEETS
83	TREE SCHEDULE & MITIGATION CALCULATIONS
84–86	EROSION CONTROL NOTES AND DETAILS
87–88	CIVIL SITE DETAILS
89	FDOT D2 NOTES & DETAILS
90	PAVEMENT MARKING NOTES & DETAILS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

MIKE MOLKENBUR LICENSE No 66845 STATE OF FLORIDA PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL.

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PETERS & YAFFEE, INC.
9822 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
CERTIFICATE OF AUTHORIZATION 28258
MIKE MOLKENBUR, PE NO 66845

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

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
91	TTCP GENERAL NOTES
92	TTCP GENERAL DETAILS
93–95	STREET CLOSURE DETOUR PLANS
96	TTCP DETOUR PLAN AT BEACH BOULEVARD
97–100	INTERSECTION DETOUR DETAILS
101–102	TTCP PARKING LOT CLOSURE DETAILS
103	TTCP AT BURNT MILL RD–VALIDUS DR. INTERSECTION
104–111	TTCP FDOT INDEX SHEETS
112	LOOP REPLACEMENT PLAN

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F(904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1166
Business Number CA 27598

C&ES

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021	FLORIDA REGISTRATION NO.	
CHECKED BY:	FEG		
DATE:	MAY 2021		

JEA Building Community sm

NO. SHEETS 112	PROJ. NO.	D32549S3
SHEET NO. 2	DATE:	MAY 2021
DRAWING NO. GS-2	SCALE:	AS SHOWN

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
SIGNATURE SHEET

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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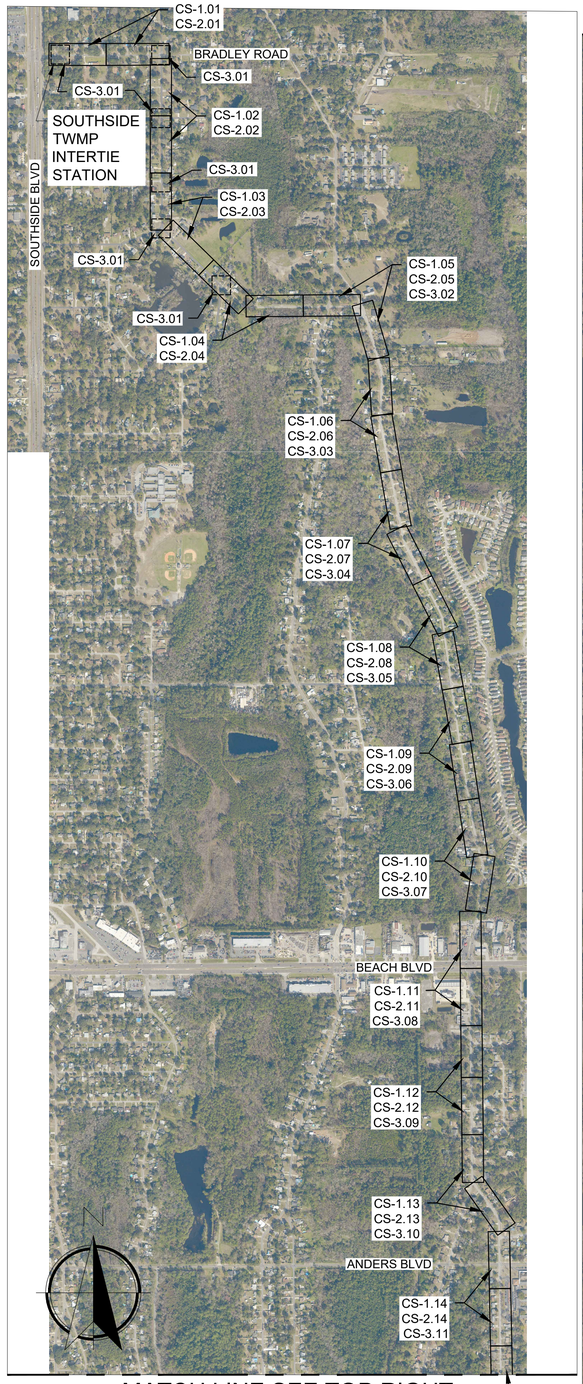

MATCH LINE SEE BOTTOM LEFT



LOCATION PLAN

SCALE: 1" = 750'

750' 0 375' 750'

SCALE: 1" = 750'

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2	GS-2	SIGNATURE SHEET
3	GS-3	SITE CIVIL PLAN - KEY MAP
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5	CS-1.02	PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 2
6	CS-1.03	PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 3
7	CS-1.04	PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 4
8	CS-1.05	PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 5
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10	CS-1.07	PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 7
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29	CS-1.26	PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 26
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88	CD-6	CIVIL SITE DETAILS 2
89	CD-7	FDOT D2 NOTES & DETAILS
90	CD-8	PAVEMENT MARKING NOTES & DETAILS

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101	TTCP-11	TTCP PARKING LOT CLOSURE DETAILS
102	TTCP-12	TTCP PARKING LOT CLOSURE DETAILS
103	TTCP-13	TTCP AT BURNT MILL RD-VALIDUS DR. INTERSECTION
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105	TTCP-15	TTCP FDOT INDEX 102-602
106	TTCP-16	TTCP FDOT INDEX 102-602
107	TTCP-17	TTCP FDOT INDEX 102-603
108	TTCP-18	TTCP FDOT INDEX 102-613
109	TTCP-19	TTCP FDOT INDEX 102-628
110	TTCP-20	TTCP FDOT INDEX 102-660
111	TTCP-21	TTCP FDOT INDEX 102-661
112	SG-01	LOOP REPLACMENT PLAN

Jacobs
200 WEST FORSYTH STREET, (904) 636-5432
SUITE 1520 F:(904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO.	BY	DATE	REVISIONS
6.			
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Construction & Engineering
Services Consultants, Inc.
8426 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1166
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
SITE CIVIL PLAN - KEY MAP

JEA Building Community sm

NO. SHEETS	112	PROJ. NO.	D32549S3
SHEET NO.	3	DATE:	MAY 2021
DRAWING NO.	GS-3	SCALE:	AS SHOWN

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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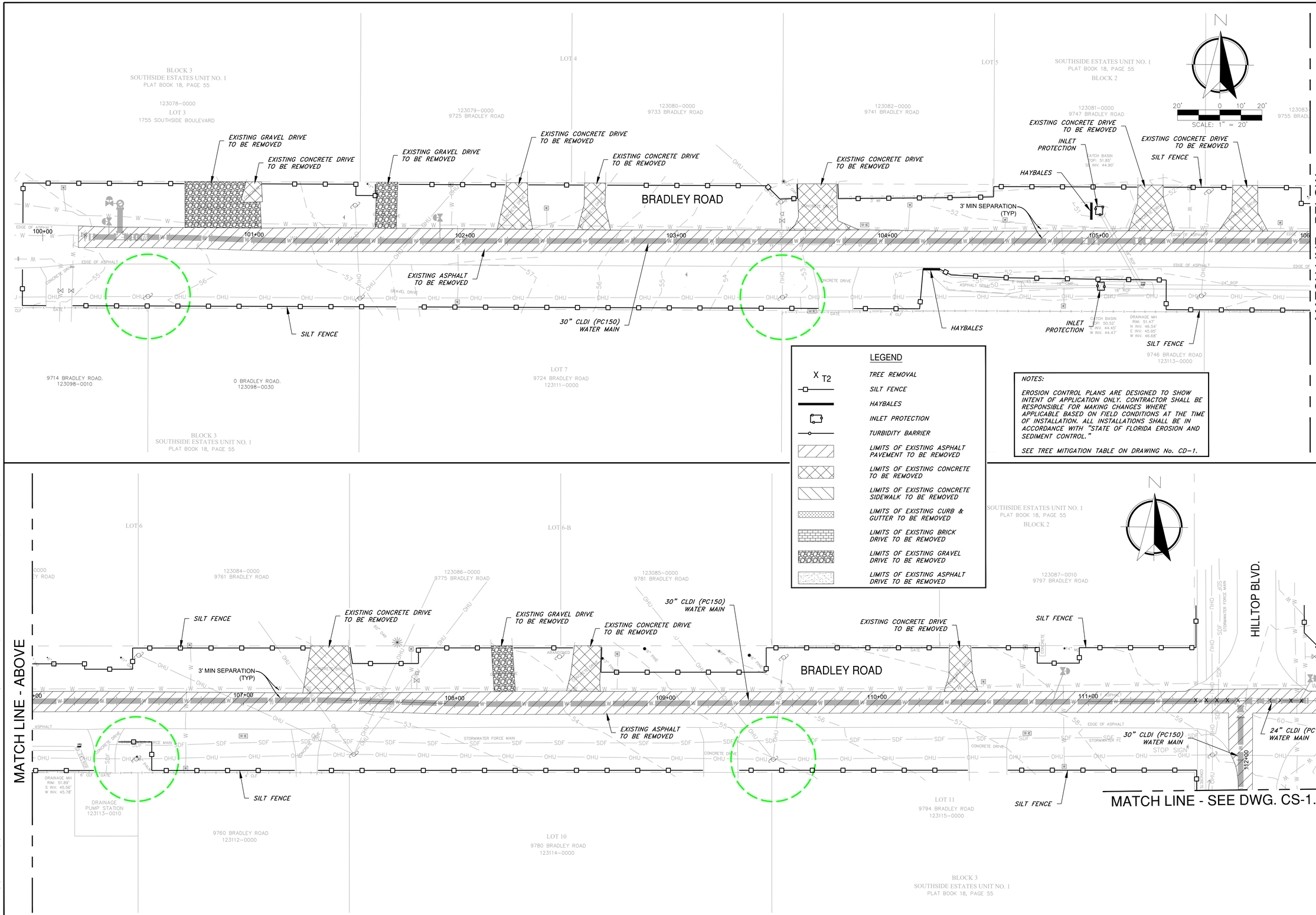

Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO.	BY	DATE	REVISIONS
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1361
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021	FLORIDA REGISTRATION NO.	
CHECKED BY:	FEG		
DATE:	MAY 2021		

JEA Building Community sm

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 1

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO. 4	SCALE:	AS SHOWN
DRAWING NO. CS-1.01		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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X-D3254953-Demo-Ground [\\d0254313\X-D3254953-Demo-Ground.dwg]

MATCH LINE - SEE DWG. CS-1.01

9802 BRADLEY ROAD
123170-0000
LOT 1

123403-0000
1819 HILLTOP BLVD.

123402-0010
1835 HILLTOP BLVD.

123402-0020
9805 CUNNINGHAM ROAD

SILT FENCE

30" CLDI (PC150) WATER MAIN

EXISTING ASPHALT TO BE REMOVED

HILLTOP BLVD.

113+00 114+00 115+00 116+00 117+00 118+00

EXISTING CONCRETE DRIVE TO BE REMOVED

SILT FENCE

123115-0050
1824 HILLTOP BLVD.

123115-0100
1832 HILLTOP BLVD.

123109-0010
1858 HILLTOP BLVD.

MATCH LINE - BELOW

SCALE: 1" = 20'

LEGEND

- X T2 — TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

MATCH LINE - ABOVE

CUNNINGHAM ROAD

LOT 1
123406-0000
1915 HILLTOP BLVD.

123487-0000
1935 HILLTOP BLVD.

123488-0010
1949 HILLTOP BLVD.

SILT FENCE

30" CLDI (PC150) WATER MAIN

HILLTOP BLVD.

EXISTING ASPHALT TO BE REMOVED

119+00 120+00 121+00 122+00 123+00 124+00

EXISTING CONCRETE DRIVE TO BE REMOVED

EXISTING GRAVEL DRIVE TO BE REMOVED

SILT FENCE

123316-0000
1910 HILLTOP BLVD.

LOT 12
123318-0000
1924 HILLTOP BLVD.

LOT 13
123319-0000
1940 HILLTOP BLVD.

123321-0000
1948 HILLTOP BLVD.

LOT 11

BLOCK 4
SOUTHSIDE ESTATES UNIT NO. 4
PLAT BOOK 18, PAGE 79

MATCH LINE - SEE DWG. CS-1.03

Jacobs
200 WEST FORSYTH STREET, SUITE 1220
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 28422

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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1813
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER
DRAWN BY:	BTP	
DATE:	MAY 2021	
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.
DATE:	MAY 2021	

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PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 2

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

PROJ. NO.	D3254953
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS	112
SHEET NO.	5
DRAWING NO.	CS-1.02

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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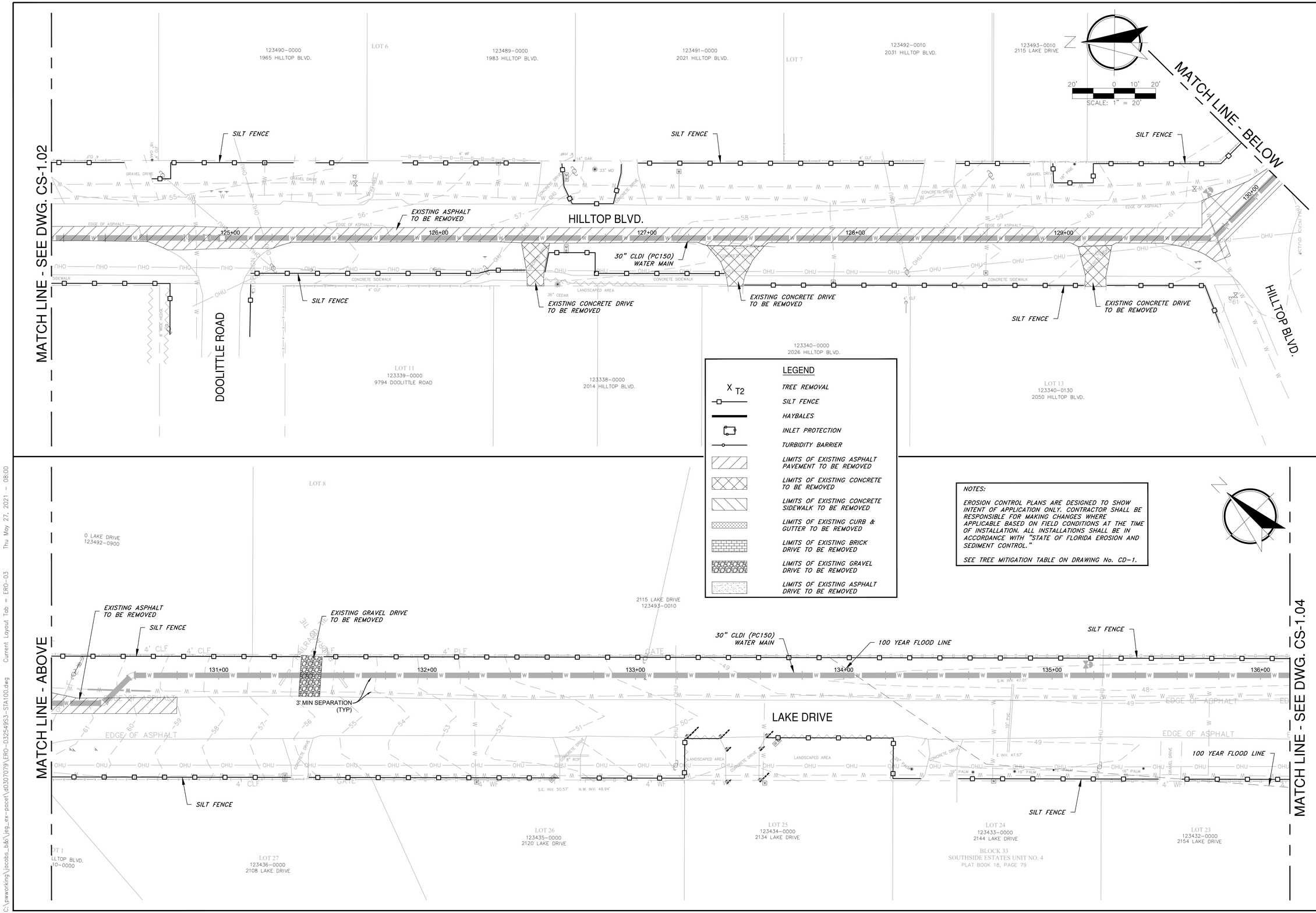
X-D3254951-L-Demucd-ref [\\d0254317\D3254951-L-Demucd-DS.dwg]
X-D3254951-L-Demucd [\\d0254317\D3254951-L-Demucd.dwg]
X-D3254951-L-Demucd [\\d0254317\D3254951-L-Demucd.dwg]



LEGEND

- TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 3

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

SIPS WATER MAIN AND RAW WATER MAIN

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN

JEA PROJ NO.: 8004887

NO. SHEETS	PROJ. NO.	D325493
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
6		
DRAWING NO.		
CS-1.03		

Jacobs
200 WEST FORSYTH STREET, SUITE 1700 JACKSONVILLE, FL 32202
T: (904) 636-5432 F: (904) 636-5433 COA # 2822

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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 363-1951 FAX (904) 363-1952
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021	FLORIDA REGISTRATION NO.	
CHECKED BY:	FEG		
DATE:	MAY 2021		

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X-D325493-Deerwood-SIPS-Sheet [\\JEGTDSVR\X-D325493-Deerwood-SIPS-Sheet.dwg]
X-D325493-Sheet [\\JEGTDSVR\X-D325493-Sheet.dwg]
X-D325493-Survey [\\JEGTDSVR\X-D325493-Survey.dwg]

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X-D32549S1-V-Overwood [.\d0228458\X-D32549S1-V-Overwood.dwg]
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X-D32549S3-C-STA100 [.\d0228458\X-D32549S3-C-STA100.dwg]
X-D32549S3-T-Overwood [.\d0228458\X-D32549S3-T-Overwood.dwg]
X-D32549S3-C-STA200 [.\d0228458\X-D32549S3-C-STA200.dwg]

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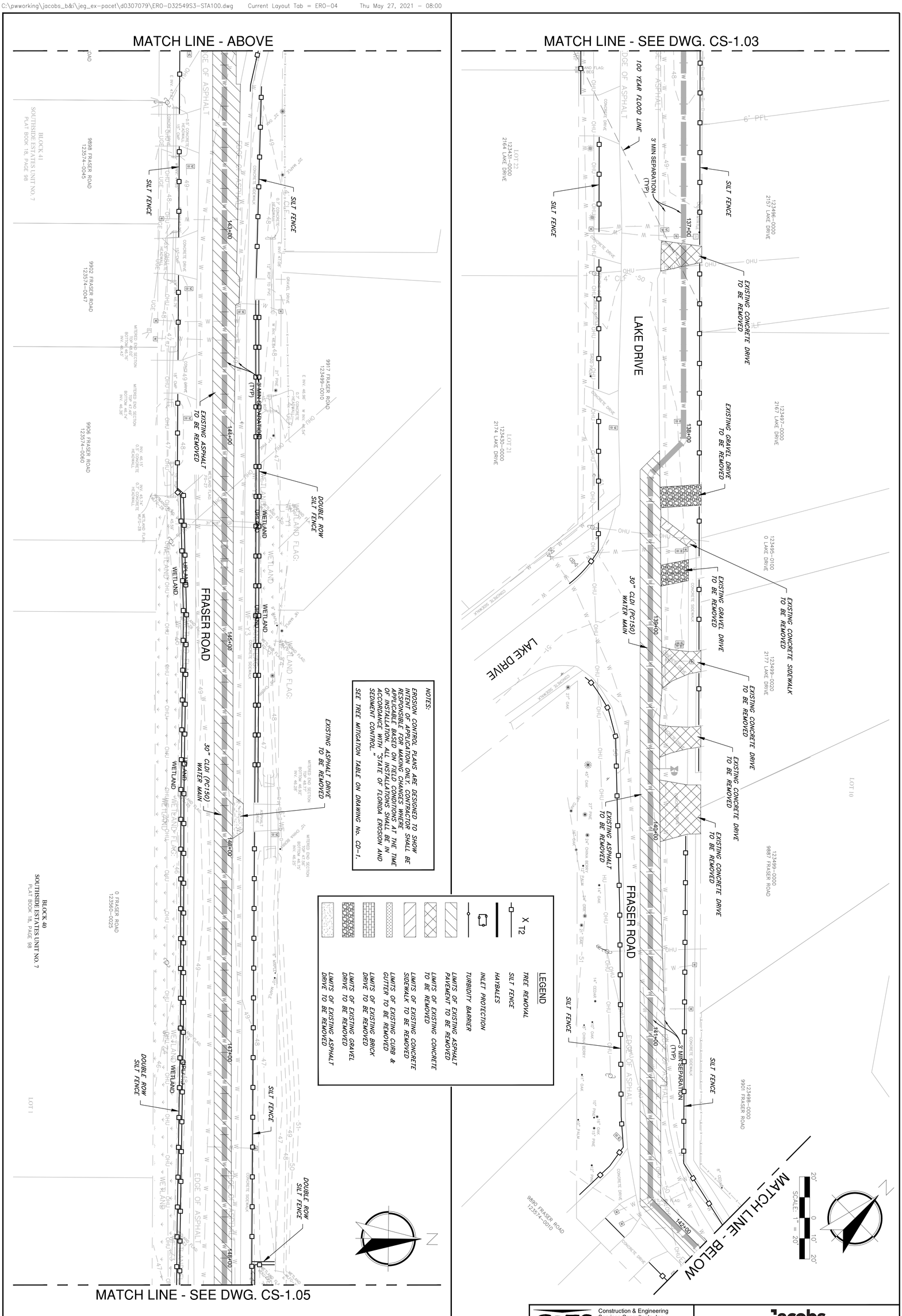

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 4

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO.	D32549S3
SHEET NO. 7	DATE:	MAY 2021
DRAWING NO. CS-1.04	SCALE:	AS SHOWN

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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

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Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
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X-D32549S1-V-Overwood-DEG [.\d0228458\X-D32549S1-V-Overwood-DEG.dwg]
X-D32549S3-C-STA100 [.\d0228456\X-D32549S3-C-STA100.dwg]
X-D32549S3-C-Overwood [.\d0228458\X-D32549S3-C-Overwood.dwg]
X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]

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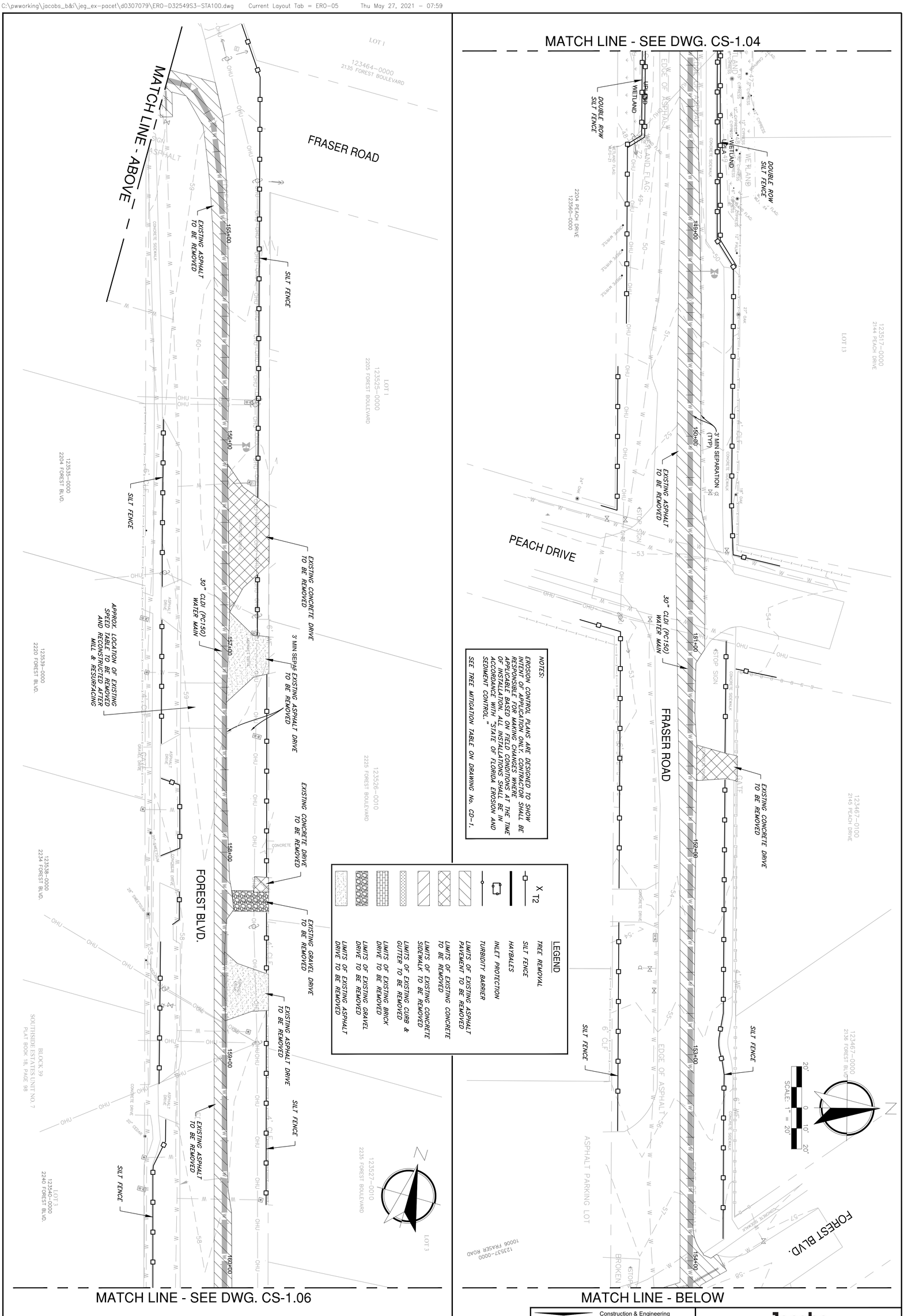

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 5

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO.	D32549S3
SHEET NO. 8	DATE:	MAY 2021
DRAWING NO. CS-1.05	SCALE:	AS SHOWN

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C&ES Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

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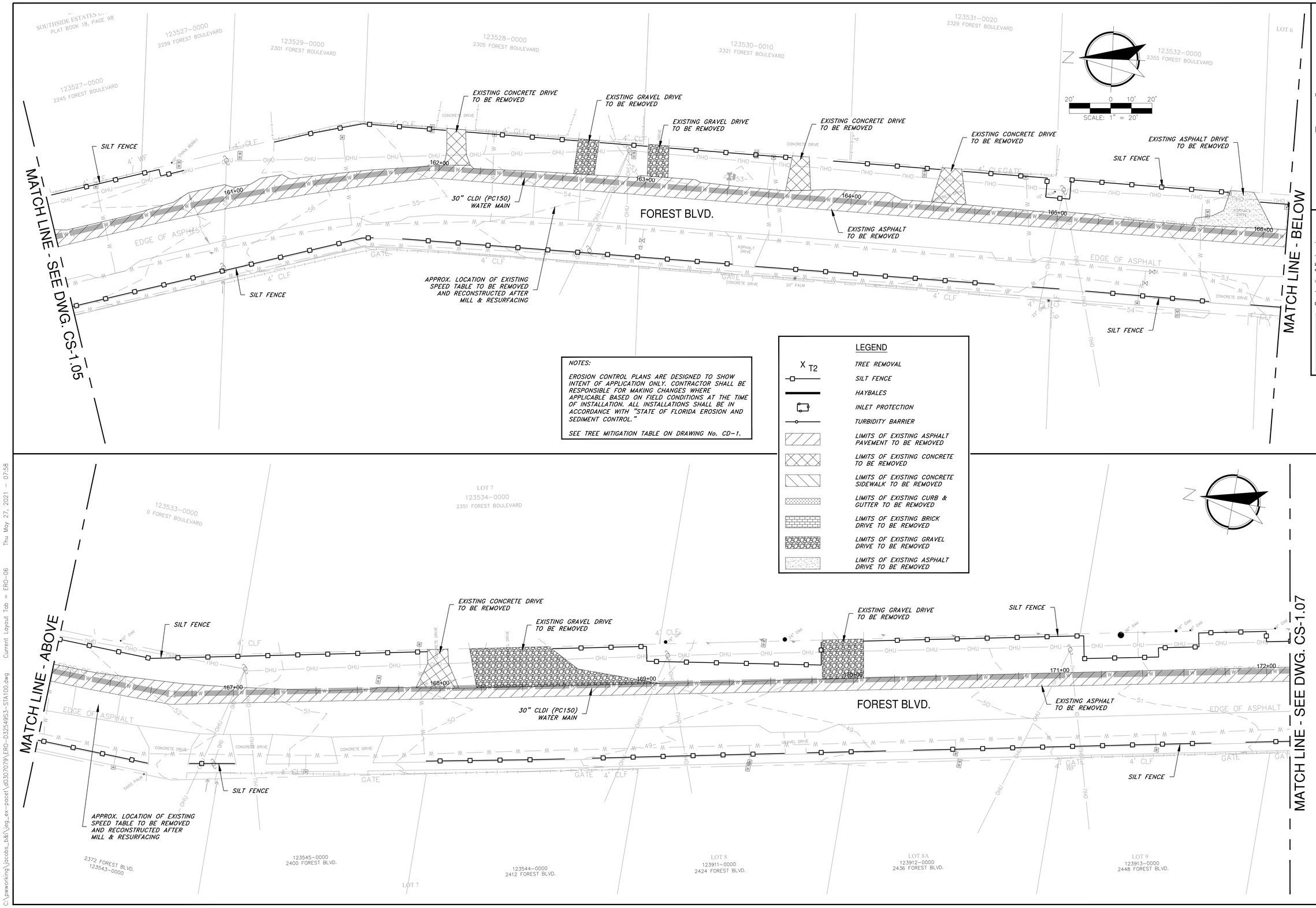
JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN



NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

LEGEND

- X T2 — TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 28422

Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 363-1951 FAX (904) 363-1953
Business Number CA 27598

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DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 6

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

PROJ. NO.	D325493	
DATE:	MAY 2021	
SCALE:	AS SHOWN	

NO. SHEETS	112
SHEET NO.	9
DRAWING NO.	CS-1.06

JEA Building Community sm

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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X-D325493-Survey-Xref-Sht (\\JEDTS0001\X-D325493-Survey-Xref-Sht.dwg)

MATCH LINE - SEE DWG. CS-1.06

BLOCK 38
SOUTHSIDE ESTATES UNIT NO. 16
PLAT BOOK 21, PAGE 83

LOT 9
123060–0000
0 FOREST BOULEVARD

LOT 10A
124245–0000
2473 FOREST BOULEVARD

LOT 10A
124246–0000
2501 FOREST BOULEVARD

LOT 11
123893–0000
2513 FOREST BOULEVARD

LOT 11A
123894–0000
2525 FOREST BOULEVARD

LOT 12
123895–0000
2537 FOREST BOULEVARD

SCALE: 1" = 20'

SILT FENCE
EXISTING CONCRETE DRIVE TO BE REMOVED
EXISTING ASPHALT DRIVE TO BE REMOVED
EXISTING CONCRETE DRIVE TO BE REMOVED
30" CLDI (PC150) WATER MAIN
EXISTING CONCRETE DRIVE TO BE REMOVED
EXISTING CONCRETE DRIVE TO BE REMOVED
SILT FENCE
EXISTING ASPHALT TO BE REMOVED
FOREST BLVD.
APPROX. LOCATION OF EXISTING SPEED TABLE TO BE REMOVED AND RECONSTRUCTED AFTER MILL & RESURFACING
APPROX. LOCATION OF EXISTING SPEED TABLE TO BE REMOVED AND RECONSTRUCTED AFTER MILL & RESURFACING
SILT FENCE
SILT FENCE

173+00 174+00 175+00 176+00 177+00 178+00

EDGE OF ASPHALT
CONCRETE DRIVE
BRICK DRIVE
4' CLF GATE
OHU
4" OAK

LOT 9A
123914–0000
2460 FOREST BLVD.

LOT 10
123915–0000
2472 FOREST BLVD.

LOT 10A
123916–0000
2500 FOREST BLVD.

LOT 11
123917–0000
2512 FOREST BLVD.

LEGEND

- X T2 — TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD–1.

MATCH LINE - ABOVE

LOT 12A
123896–0000
2549 FOREST BOULEVARD

LOT 13
123897–0000
2561 FOREST BOULEVARD

LOT 13A
123898–0000
2601 FOREST BOULEVARD

123900–0000
2625 FOREST BOULEVARD

EXISTING CONCRETE DRIVE TO BE REMOVED
SILT FENCE
EXISTING CONCRETE DRIVE TO BE REMOVED
EXISTING ASPHALT TO BE REMOVED
EXISTING CONCRETE DRIVE TO BE REMOVED
EXISTING CONCRETE DRIVE TO BE REMOVED
HAYBALES
EXISTING BRICK DRIVE TO BE REMOVED & STORED FOR REINSTALLATION
30" CLDI (PC150) WATER MAIN
SILT FENCE
SILT FENCE
EXISTING CONCRETE DRIVE TO BE REMOVED
FOREST BLVD.

179+00 180+00 181+00 182+00 183+00 184+00

EDGE OF ASPHALT
CONCRETE DRIVE
CONCRETE SIDEWALK
4' CLF GATE
OHU
CREPE MYRTLE
24" MAPLE

LOT 12A
123920–0000
2548 FOREST BLVD.

LOT 13
123921–0000
2560 FOREST BLVD.

LOT 13A
123922–0000
2600 FOREST BOULEVARD

LOT 14
123923–0000
2612 FOREST BOULEVARD

LOT 14A
123924–0000
2624 FOREST BOULEVARD

LOT 15
123925–0000
2636 FOREST BOULEVARD

MATCH LINE - SEE DWG. CS-1.08

Jacobs
200 WEST FORSYTH STREET, SUITE 1220
JACKSONVILLE, FL 32202
T: (904) 636–5432
F: (904) 636–5433
COA # 28422

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448–7847
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021	FLORIDA REGISTRATION NO.	
CHECKED BY:	FEG		
DATE:	MAY 2021		

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PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 7

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO. 10	SCALE:	AS SHOWN
DRAWING NO. CS-1.07		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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- X-D3254951-Sheet [\d0307079\X-D3254951-Sheet.dwg]
- X-D3254951-1-Sheet [\d0307079\X-D3254951-1-Sheet.dwg]
- X-D3254953-Sheet [\d0307079\X-D3254953-Sheet.dwg]
- X-D3254951-1-Sheet [\d0307079\X-D3254951-1-Sheet.dwg]
- X-D3254953-1-Sheet [\d0307079\X-D3254953-1-Sheet.dwg]

Xrefs Attached= X-03254953-Border [..\d03070851\V-03254953-Border.dwg]
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X-03254953-C-STA100 [..\d0228456\V-03254953-C-STA100.dwg]
X-03254953-I-Overwood [..\d0228456\V-03254953-I-Overwood.dwg]
X-03254953-C-STA200 [..\d0228456\V-03254953-C-STA200.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-1.07

MATCH LINE - SEE DWG. CS-1.09

MATCH LINE - BELOW

BARRETT ROAD

FOREST BLVD.

LEAHY ROAD

LEGEND

TREE REMOVAL

SILT FENCE

HAYBALES

INLET PROTECTION

TURBIDITY BARRIER

LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED

LIMITS OF EXISTING CONCRETE TO BE REMOVED

LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED

LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED

LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED

LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED

LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW MINIMUM REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

SCALE: 1" = 20'

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

NO.	BY	DATE	REVISIONS
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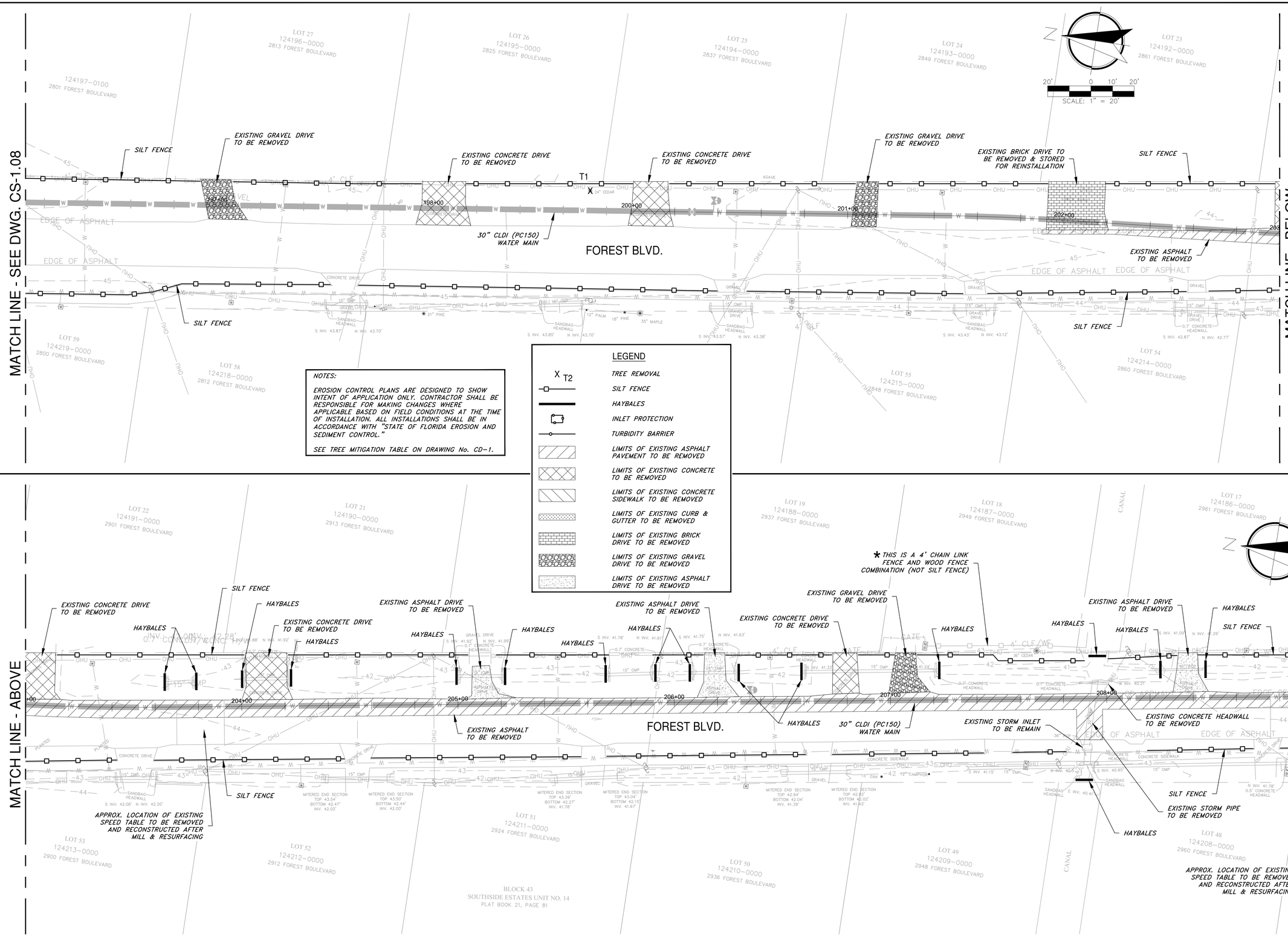
PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 8

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

JEA Building Community sm

NO. SHEETS	112
SHEET NO.	11
DRAWING NO.	CS-1.08
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN



LEGEND

- TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

Jacobs
200 WEST FORSYTH STREET, SUITE 1200 JACKSONVILLE, FL. 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 28422

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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1921
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 9

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO. 12	SCALE:	AS SHOWN
DRAWING NO. CS-1.09		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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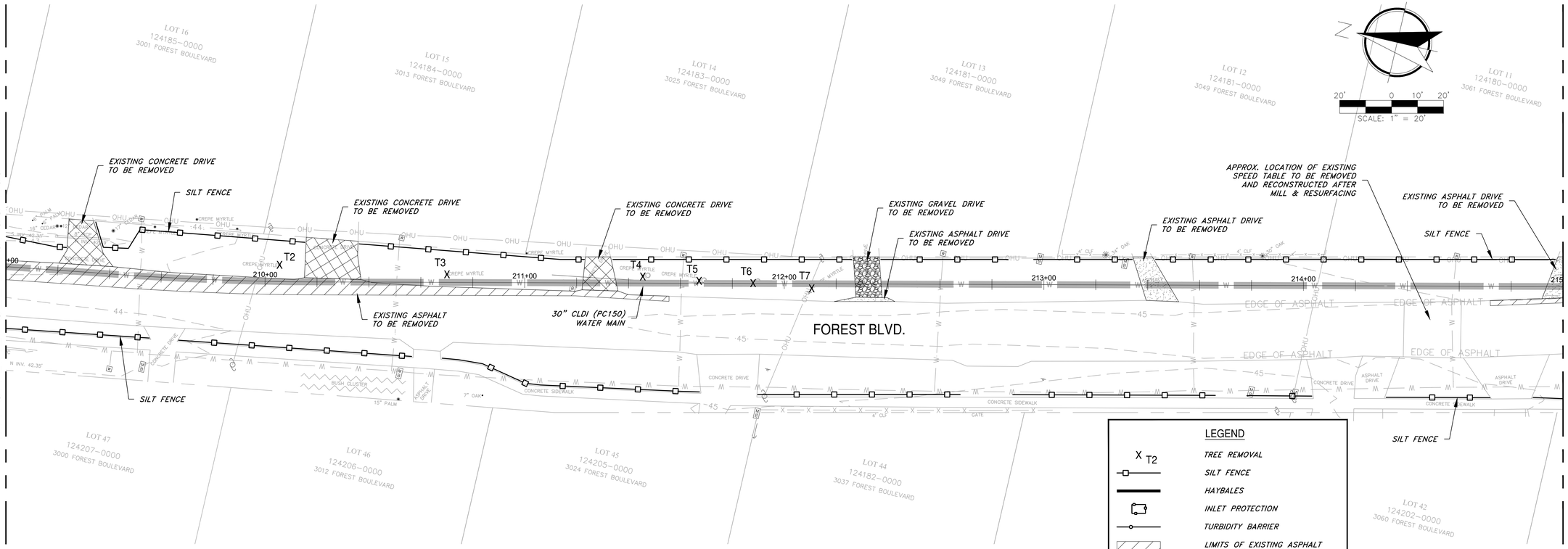
MATCH LINE - SEE DWG. CS-1.09



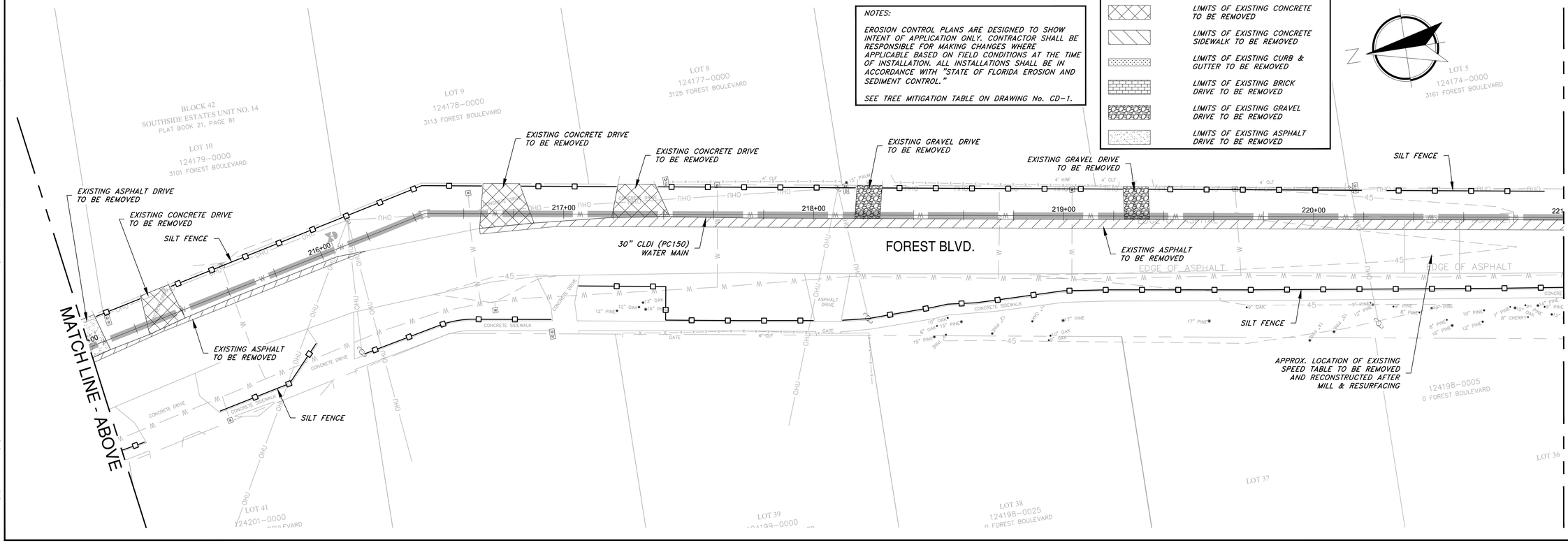
LEGEND

- X T2 — TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.



MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-1.11

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 10

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA PROJ NO.: 8004887

NO. SHEETS	PROJ. NO.	D3254SS3
112	DATE:	MAY 2021
SHEET NO. 13	SCALE:	AS SHOWN
DRAWING NO. CS-1.10		

Jacobs
200 WEST FORSYTH STREET, SUITE 1700 JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 997-1820
Business Number CA 27598

NO.	BY	DATE	REVISIONS
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DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

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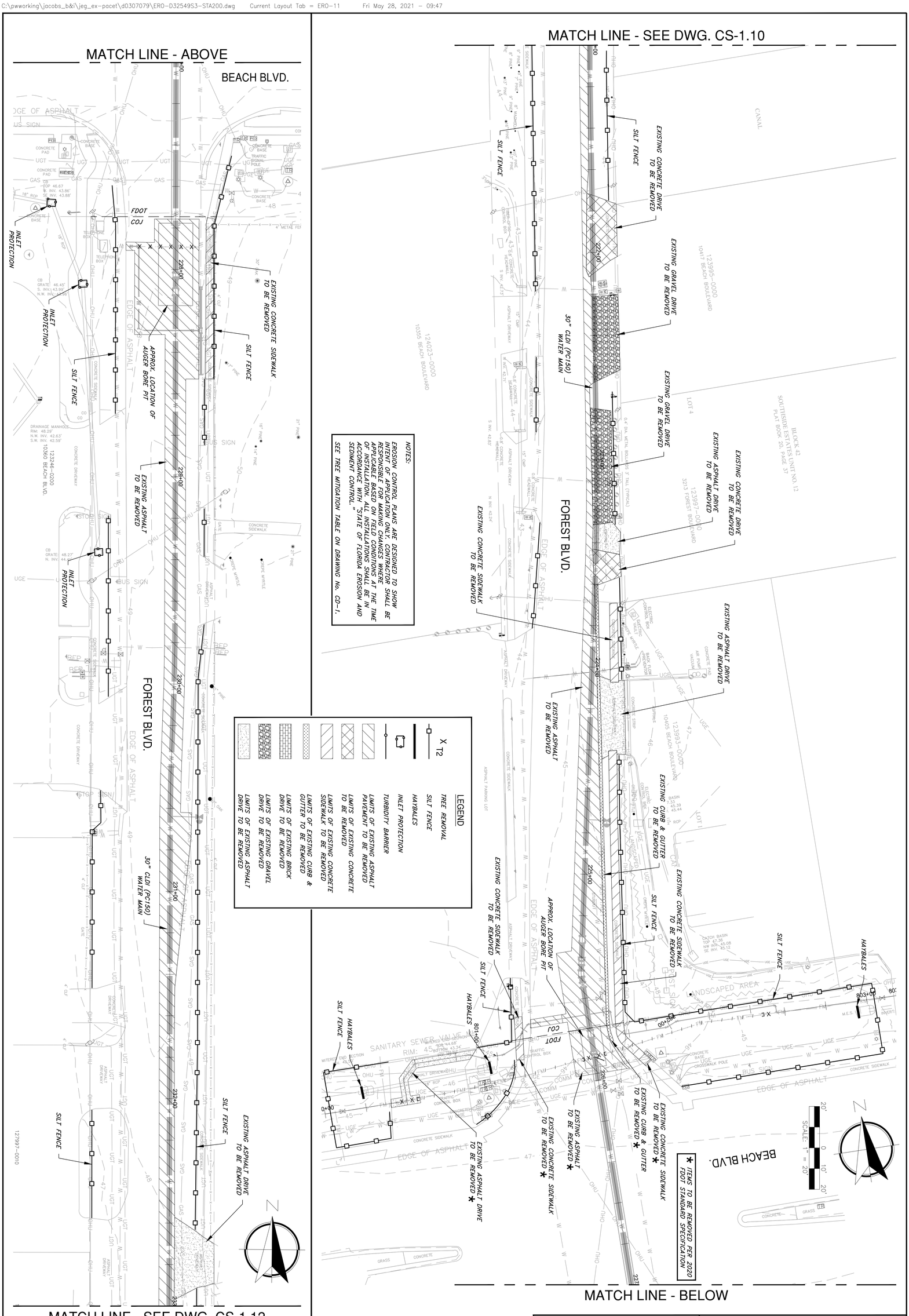

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 11

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO. D32549S3	
SHEET NO. 14	DATE: MAY 2021	
DRAWING NO. CS-1.11	SCALE: AS SHOWN	

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C&ES Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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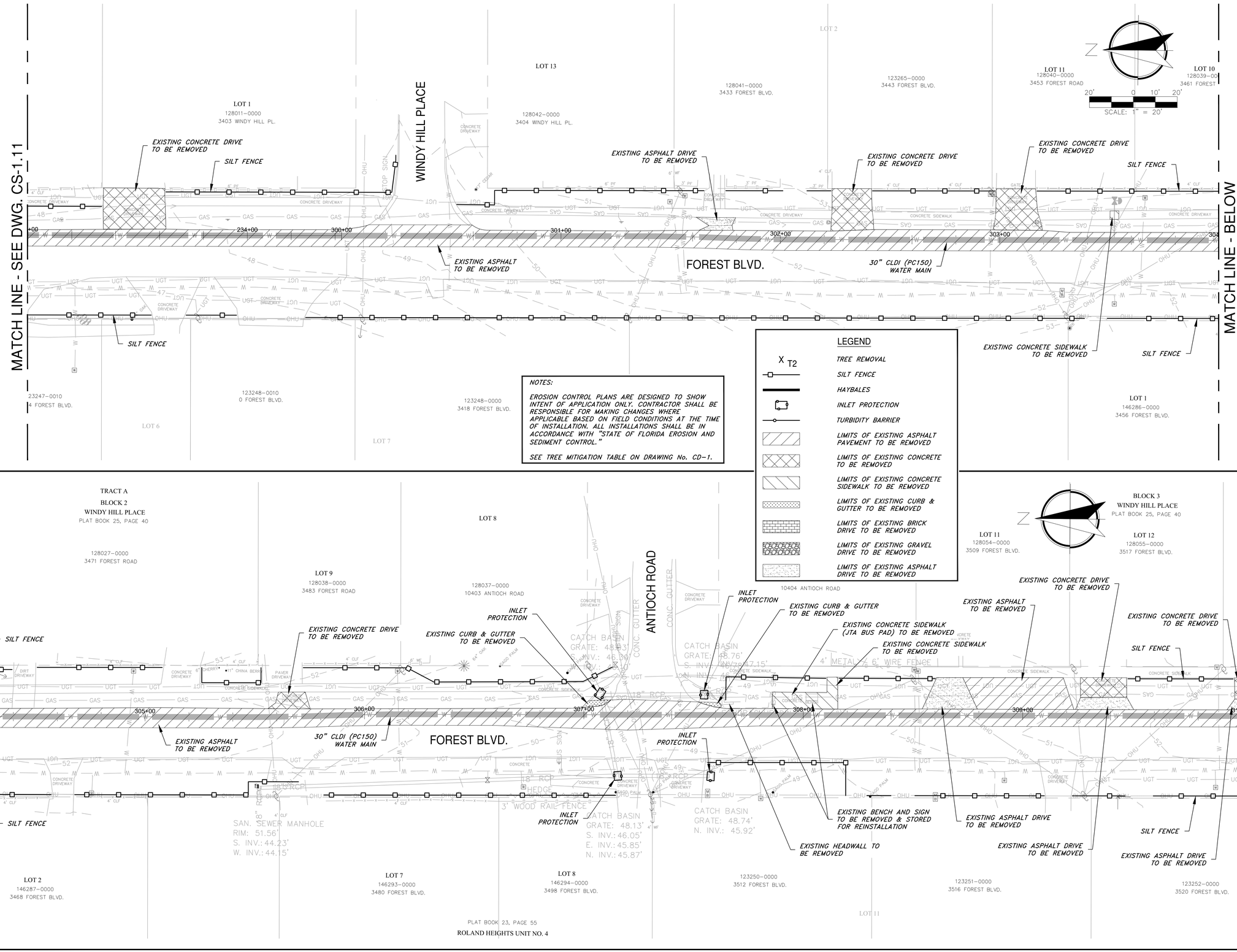
JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN



NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

LEGEND

- X T2 — TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 367-1616
Business Number CA 27598

NO.	BY	DATE	REVISIONS
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DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 12

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

SIPS WATER MAIN AND RAW WATER MAIN

PROJ. NO.	D3254953
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS	112
SHEET NO.	15
DRAWING NO.	CS-1.12

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA Building Community sm

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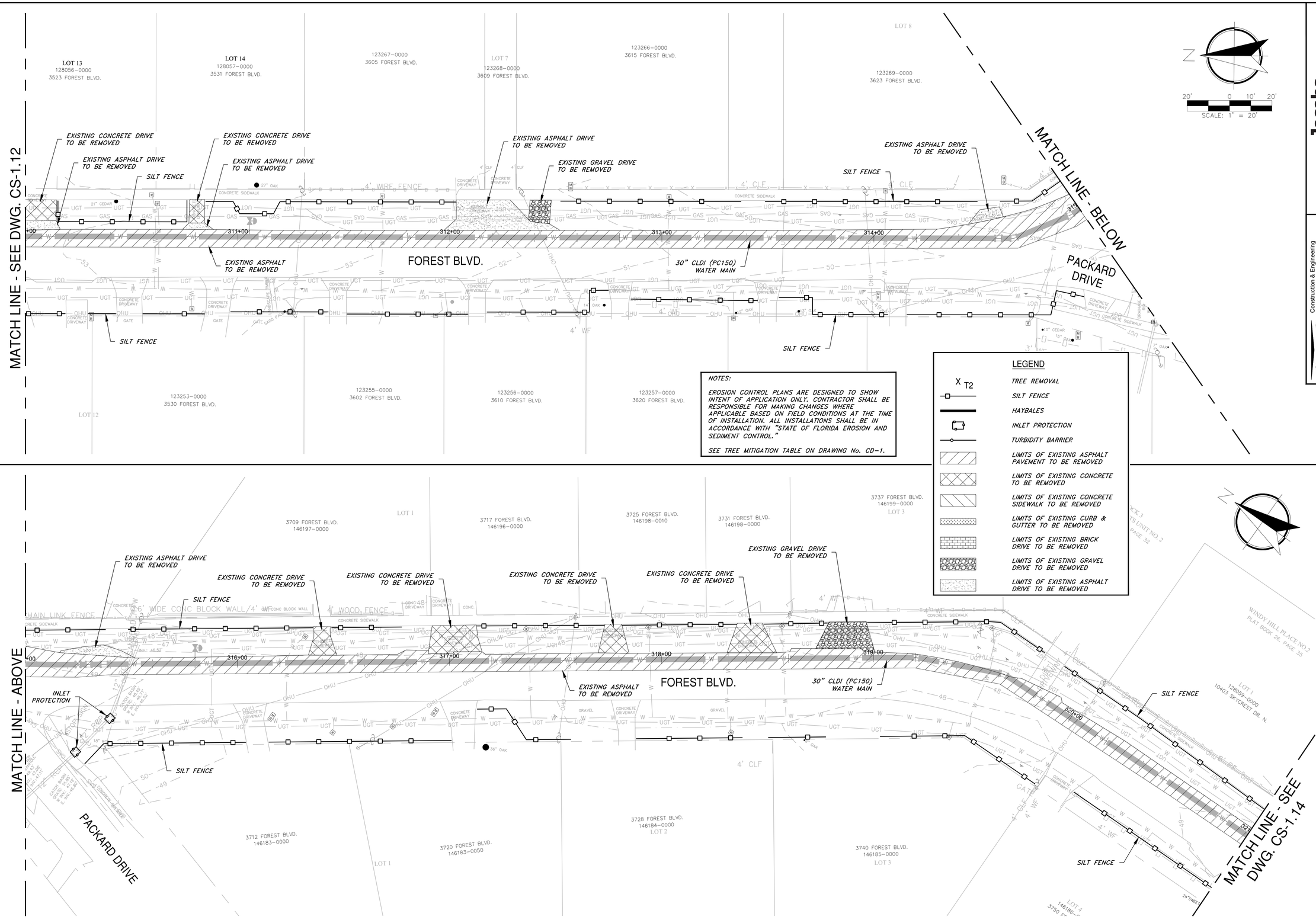

Jacobs
200 WEST FORSYTH STREET, SUITE 1500, JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 363-1980
Business Number CA 27598

DESIGNER: CNM
DRAWN BY: BTP
DATE: MAY 2021
CHECKED BY: FEG
DATE: MAY 2021
DESIGN ENGINEER
FLORIDA REGISTRATION NO.

JEA Building Community sm

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 13

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO. 16	SCALE:	AS SHOWN
DRAWING NO. CS-1.13		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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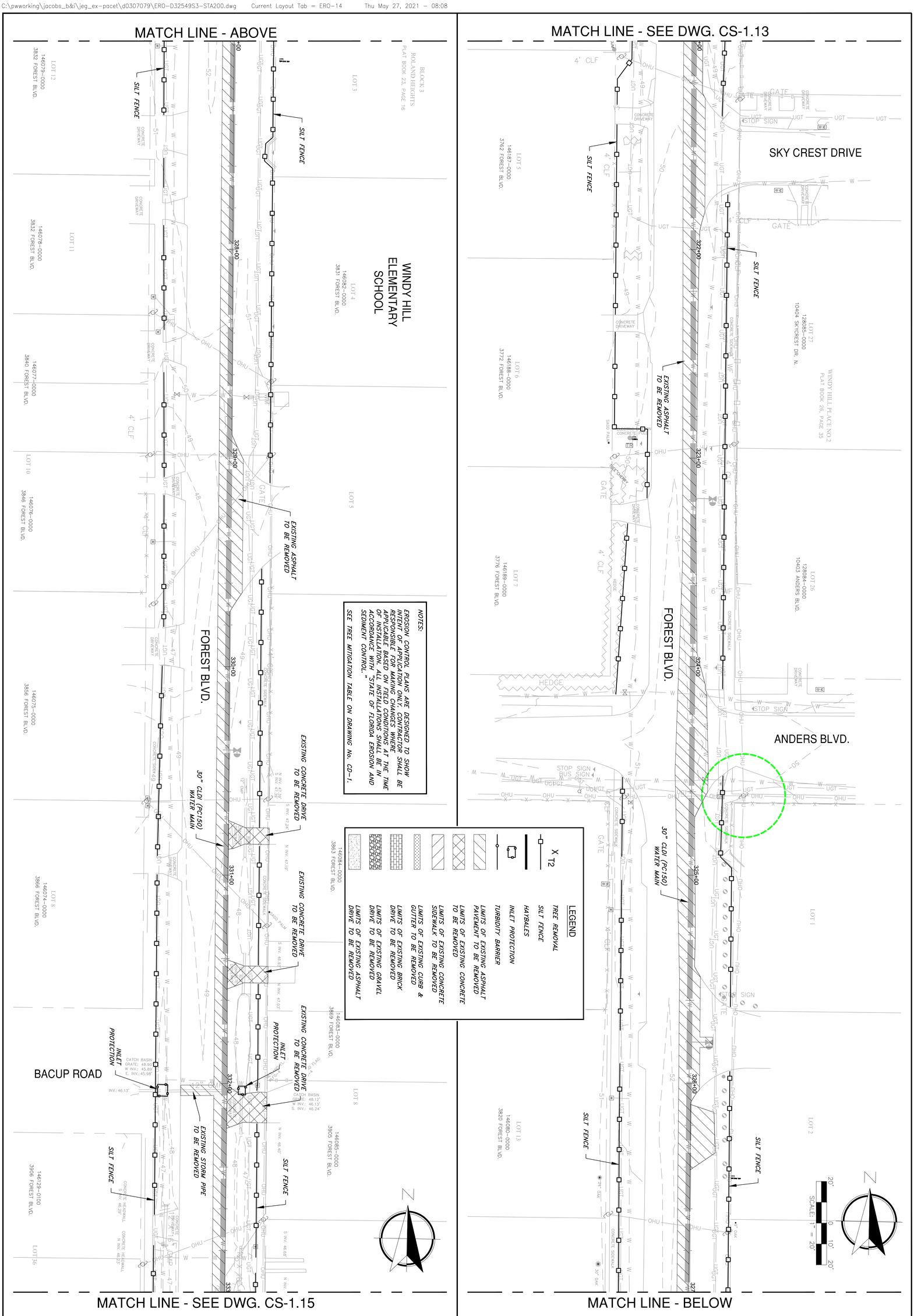

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 14

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO.	D32549S3
SHEET NO. 17	DATE:	MAY 2021
DRAWING NO. CS-1.14	SCALE:	AS SHOWN

JEA Building Community

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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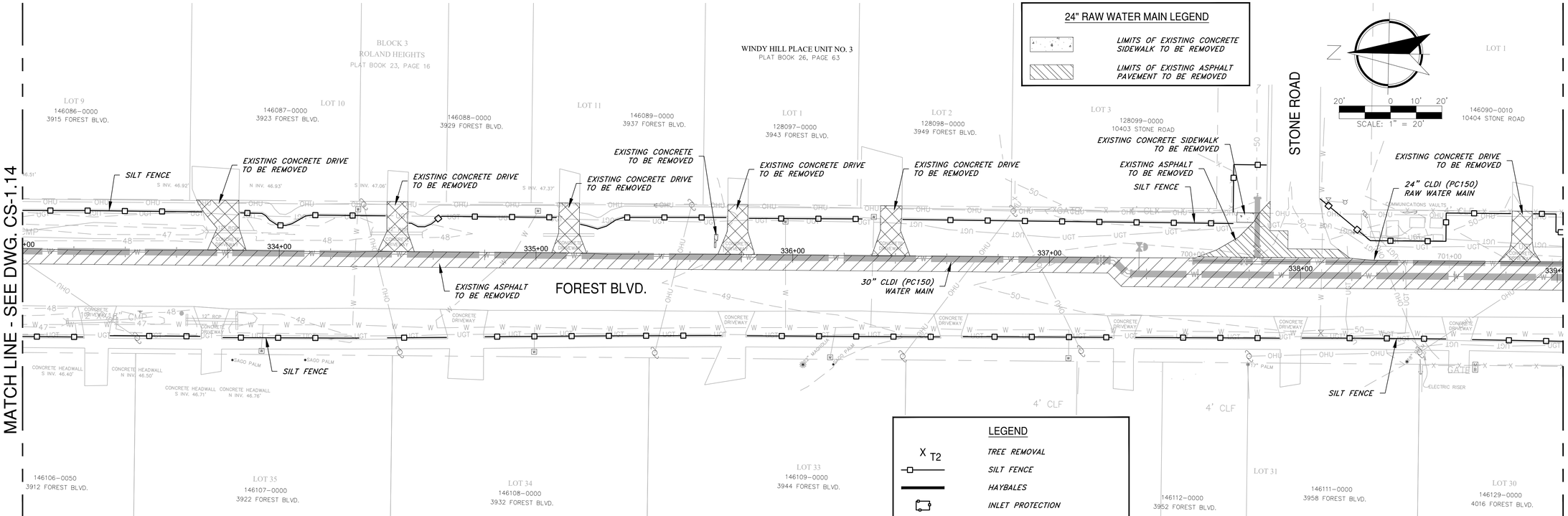
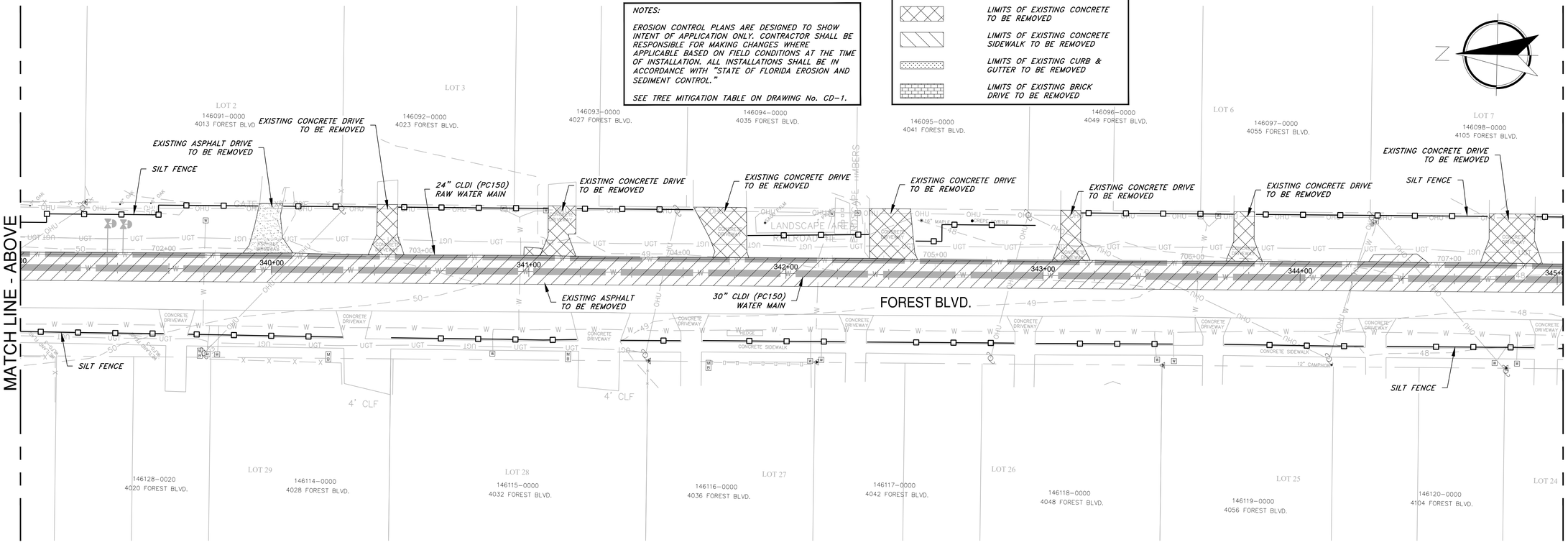
JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

MATCH LINE - SEE DWG. CS-1.14



MATCH LINE - ABOVE



Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
JACKSONVILLE, FL 32202 F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 443-1800
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 15

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

JEA Building Community sm

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
18		
DRAWING NO.		
CS-1.15		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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X-03254953-T-Overwood [..\d0228456\X-03254953-T-Overwood.dwg]
X-03254953-C-STA200 [..\d0228456\X-03254953-C-STA200.dwg]
X-03254953-C-STA300-400 [..\d0228456\X-03254953-C-STA300-400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-1.15

MATCH LINE - SEE DWG. CS-1.17

MATCH LINE - BELOW

DOBELL ROAD

FOREST BLVD.

24" RAW WATER MAIN LEGEND

LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED

LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED

LEGEND

TREE REMOVAL

SILT FENCE

HAYBALES

INLET PROTECTION

TURBIDITY BARRIER

LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED

LIMITS OF EXISTING CONCRETE TO BE REMOVED

LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED

LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED

LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED

LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED

LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW MINIMUM REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

SCALE: 1" = 20'

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 16

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS	112
SHEET NO.	19
DRAWING NO.	CS-1.16
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

JEA Building Community sm

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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X-03254953-C-STA200 [..\d0228456\X-03254953-C-STA200.dwg]
X-03254953-C-STA300-400 [..\d0228456\X-03254953-C-STA300-400.dwg]

MATCH LINE - SEE DWG. CS-1.16

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-1.18

MATCH LINE - BELOW

FOREST BLVD.

VINTAGE LANE

4416 FOREST BLVD.
146233-0100

LEGEND

- TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 17

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS	112
SHEET NO.	20
DRAWING NO.	CS-1.17
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

JEA Building Community sm

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

NO.	BY	DATE	REVISIONS
6.			
5.			
4.			
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1.			

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

MATCH LINE - BELOW

MATCH LINE - SEE DWG. CS-1.17

BLOCK 4
ROLAND HEIGHTS UNIT NO. 3
PLAT BOOK 23, PAGE 24

LOT 19
146282-0000
4445 FOREST BLVD.

LOT 20
146283-0010
4455 FOREST BLVD.

LOT 21
146284-0000
4467 FOREST BLVD.

SILT FENCE
EXISTING CONCRETE DRIVE TO BE REMOVED
EXISTING CONCRETE DRIVE TO BE REMOVED
EXISTING CONCRETE DRIVE TO BE REMOVED
24" CLDI (PC150) RAW WATER MAIN
SILT FENCE
SILT FENCE
FOREST BLVD.
30" CLDI (PC150) WATER MAIN
EXISTING ASPHALT TO BE REMOVED
EDGE OF ASPHALT
4" CHAINLINK FENCE
WOOD PLANTER
SILT FENCE
SILT FENCE

LOT 19
146239-0000
4456 FOREST BLVD.

LOT 20
146240-0000
4466 FOREST BLVD.

LOT 18
146238-0100
4446 FOREST BLVD.

SCALE: 1" = 20'

LEGEND

- TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

24" RAW WATER MAIN LEGEND

- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

ANSON DR.
EXISTING ASPHALT TO BE REMOVED
SILT FENCE
24" CLDI (PC150) RAW WATER MAIN
SILT FENCE
FOREST BLVD.
EXISTING ASPHALT TO BE REMOVED
SILT FENCE
SILT FENCE
EASEMENT FOR WELL SITE NUMBER 1 O/R 10840, PAGES 172-175
EASEMENT LINE
EASEMENT/PROPERTY LINE
30" CLDI (PC150) WATER MAIN
SILT FENCE
LOW WIRE CLEARANCE: 47'
SILT FENCE

MATCH LINE - ABOVE

Jacobs
200 WEST FORSYTH STREET, SUITE 1200
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 28422

NO.	BY	DATE	REVISIONS
6.			
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4.			
3.			
2.			
1.			

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1551
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 18

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

MATCH LINE - SEE DWG. CS-1.19

NO. SHEETS	PROJ. NO.	D2549S3
112	DATE:	MAY 2021
SHEET NO. 21	SCALE:	AS SHOWN
DRAWING NO. CS-1.18		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

C:\pwworking\jacobs_b&h\jeg_ex-pcet\d0307079\ERO-D2549S3-STA200.dwg Current Layout Tab = ERO-18 Thu May 27, 2021 - 08:13

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- D2549S3-Sheet-Match [\d0307079\r1-D2549S3-Sheet-Match.dwg]
- D2549S3-Overwood-SAT [\d0343157\r1-D2549S1-Overwood-SAT.dwg]
- D2549S3-Overwood-SUN [\d0343157\r1-D2549S1-Overwood-SUN.dwg]
- D2549S3-CS-TAG0 [\d0307079\r1-D2549S3-CS-TAG0.dwg]
- D2549S3-CS-TAG1 [\d0307079\r1-D2549S3-CS-TAG1.dwg]

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X-03254953-Overwood [..\d0228456\X-03254953-Overwood.dwg]
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X-03254953-T-Deerwood [..\d0228456\X-03254953-T-Deerwood.dwg]
X-03254953-C-STA200 [..\d0228456\X-03254953-C-STA200.dwg]
X-03254953-C-STA300-400 [..\d0228456\X-03254953-C-STA300-400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-1.18

MATCH LINE - SEE DWG. CS-1.20

MATCH LINE - BELOW

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INITIAL CONDITIONS ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

LEGEND

- TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

SILT FENCE

EXISTING WOOD POSTS LOCATED WITHIN THE CONSTRUCTION TRENCH TO BE REMOVED

30" CLDI (PC150) WATER MAIN

WOOD POSTS

SCALE: 1" = 20'

NO. SHEETS	112
SHEET NO.	22
DRAWING NO.	CS-1.19
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 19

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN

JEA Building Community sm

C&ES Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

Jacobs
200 WEST FORSYTH STREET: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO.	BY	DATE	REVISIONS
6.			
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Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
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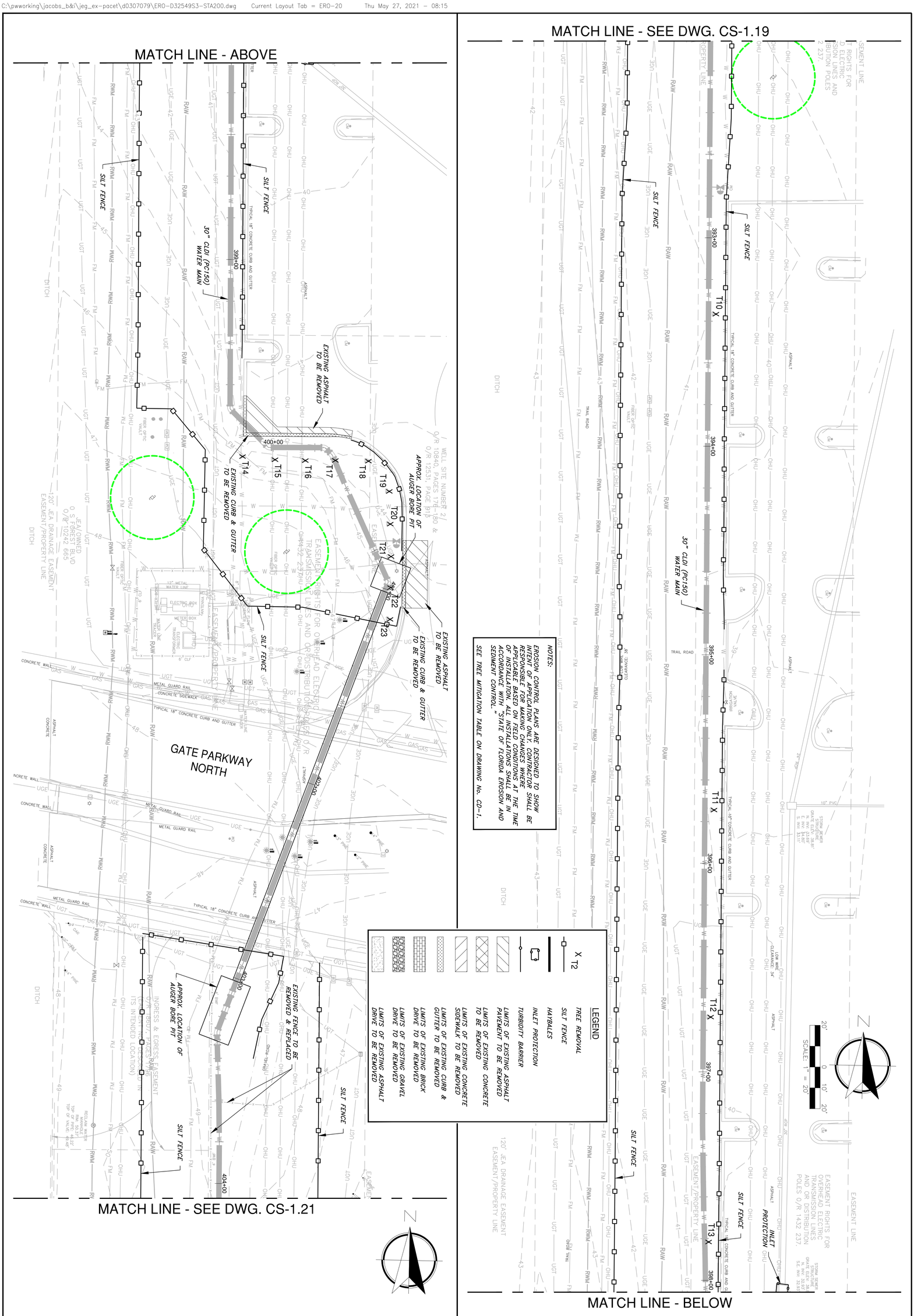
X-D32549S1-V-Overwood-DEG [.\d0284933\X-D32549S1-V-Overwood-DEG.dwg]
X-D32549S3-T-Overwood [.\d0228456\X-D32549S3-T-Overwood.dwg]
X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]



PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 20

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO. D32549S3	
SHEET NO. 23	DATE: MAY 2021	
DRAWING NO. CS-1.20	SCALE: AS SHOWN	

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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER
DRAWN BY:	BTP	
DATE:	MAY 2021	
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.
DATE:	MAY 2021	

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
6.			
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307079\X-D32549S3-Border.dwg]
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X-D32549S1-S-Deerwood [.\d0228456\X-D32549S1-S-Deerwood.dwg]
X-D32549S1-V-Deerwood-DEG [.\d0248433\X-D32549S1-V-Deerwood-DEG.dwg]

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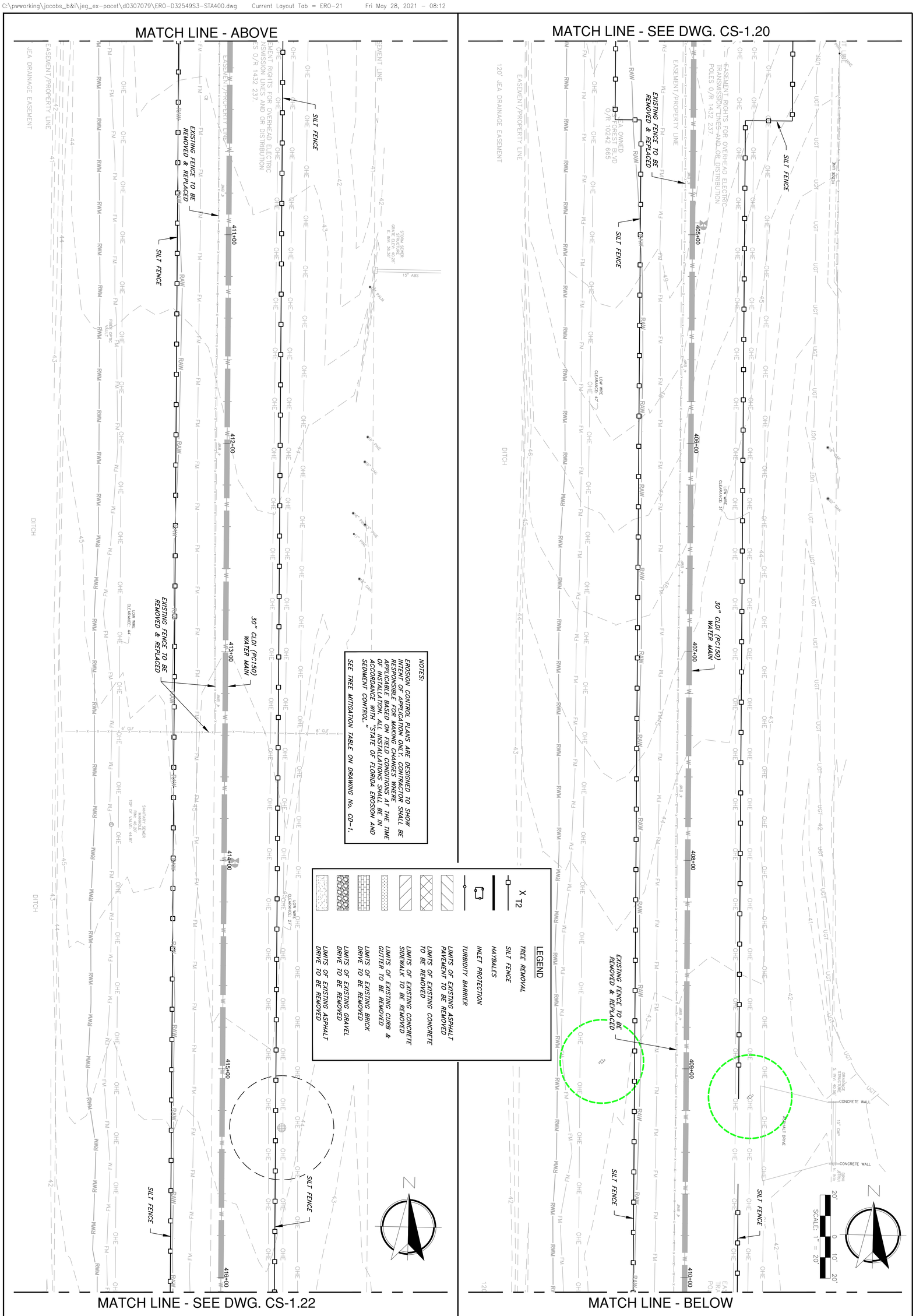

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 21

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO.	D32549S3
SHEET NO. 24	DATE:	MAY 2021
DRAWING NO. CS-1.21	SCALE:	AS SHOWN

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

MATCH LINE - SEE DWG. CS-1.21

MATCH LINE - BELOW

SILT FENCE

EASEMENT RIGHTS FOR OVERHEAD ELECTRIC TRANSMISSION LINES AND OR DISTRIBUTION POLES O/R 1432 237.

30" CLDI (PC150) WATER MAIN

417+00 418+00 419+00 420+00 421+00 422+00

LOW WIRE CLEARANCE: 32'

LOW WIRE CLEARANCE: 45'

EASEMENT LINE

EASEMENT/PROPERTY LINE

120' JEA DRAINAGE EASEMENT

DITCH

LEGEND

- TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

20' 0 10' 20'

SCALE: 1" = 20'

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-1.23

30" CLDI (PC150) WATER MAIN

36" HDPE DR18 WATER MAIN

423+00 424+00 425+00 426+00 427+00 428+00

30" CLDI (PC150) WATER MAIN 36" HDPE DR18 INSTALLED BY HDD

J TURNER BUTLER BLVD.

RECLAIM WATER MANHOLE RIM: 44.55' TOP OF VALVE: 43.69'

EASEMENT RIGHTS FOR OVERHEAD ELECTRIC TRANSMISSION LINES AND OR DISTRIBUTION POLES O/R 1432 237.

EASEMENT/PROPERTY LINE

RIGHT OF WAY

UGE

Jacobs
200 WEST FORSYTH STREET, SUITE 1300 JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
6.			
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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1241
Business Number CA 27598

DESIGNER:	CIM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021	FLORIDA REGISTRATION NO.	
CHECKED BY:	FEG		
DATE:	MAY 2021		

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 22

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

SIPS WATER MAIN AND RAW WATER MAIN

JEA Building Community

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA PROJ NO.: 8004887

NO. SHEETS 112	PROJ. NO.	D3254953	
SHEET NO. 25	DATE:	MAY 2021	
DRAWING NO. CS-1.22	SCALE:	AS SHOWN	

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X-D3254953-C-Site [\\JAX0700\X-D3254953-C-Site.dwg]
X-D3254953-C-Utility [\\JAX0700\X-D3254953-C-Utility.dwg]
X-D3254953-C-Water [\\JAX0700\X-D3254953-C-Water.dwg]
X-D3254953-L-Sheet [\\JAX0700\X-D3254953-L-Sheet.dwg]

Xrefs Attached= X-D32549S3-Border [.\d0307079\X-D32549S3-Border.dwg]
X-D32549S3-T-Deerwood [.\d0228456\X-D32549S3-T-Deerwood.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]
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X-D32549S3-C-STA600 [.\d0228456\X-D32549S3-C-STA600.dwg]
X-D32549S1-V-Deerwood-REM [.\d0248434\X-D32549S1-V-Deerwood-REM.dwg]
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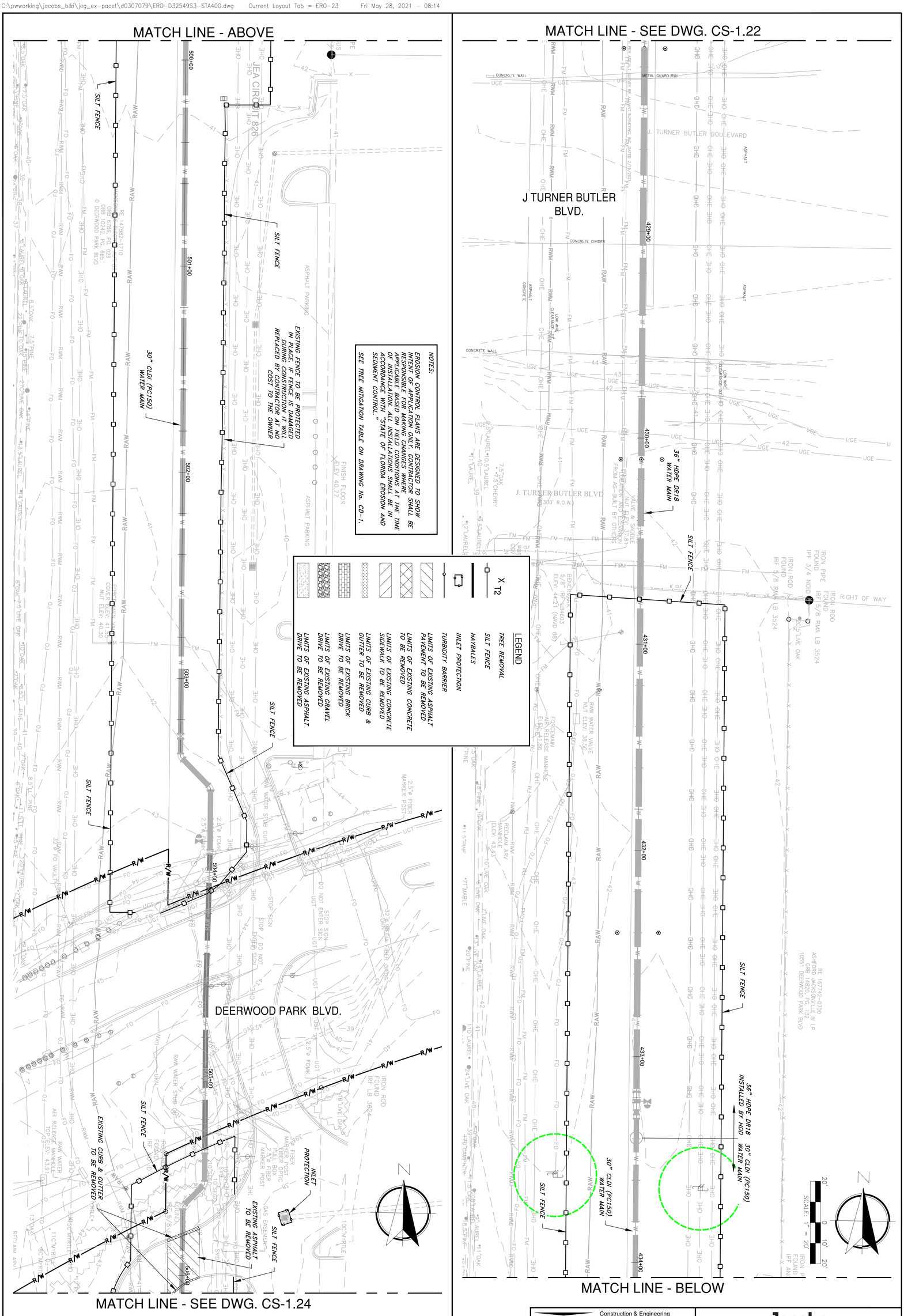

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 23

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO.	D32549S3
SHEET NO. 26	DATE:	MAY 2021
DRAWING NO. CS-1.23	SCALE:	AS SHOWN

JEA Building Community

C&ES Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307079\X-D32549S3-Border.dwg]
X-D32549S3-T-Overwood [.\d0228456\X-D32549S3-T-Overwood.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]
X-D32549S3-C-STA500 [.\d0228456\X-D32549S3-C-STA500.dwg]
X-D32549S3-C-STA600 [.\d0228456\X-D32549S3-C-STA600.dwg]
X-D32549S1-V-Overwood-REM [.\d0264934\X-D32549S1-V-Overwood-REM.dwg]
X-D32549S1-S-Overwood [.\d0228456\X-D32549S1-S-Overwood.dwg]
X-D32549S1-V-Overwood-DEG [.\d0264933\X-D32549S1-V-Overwood-DEG.dwg]

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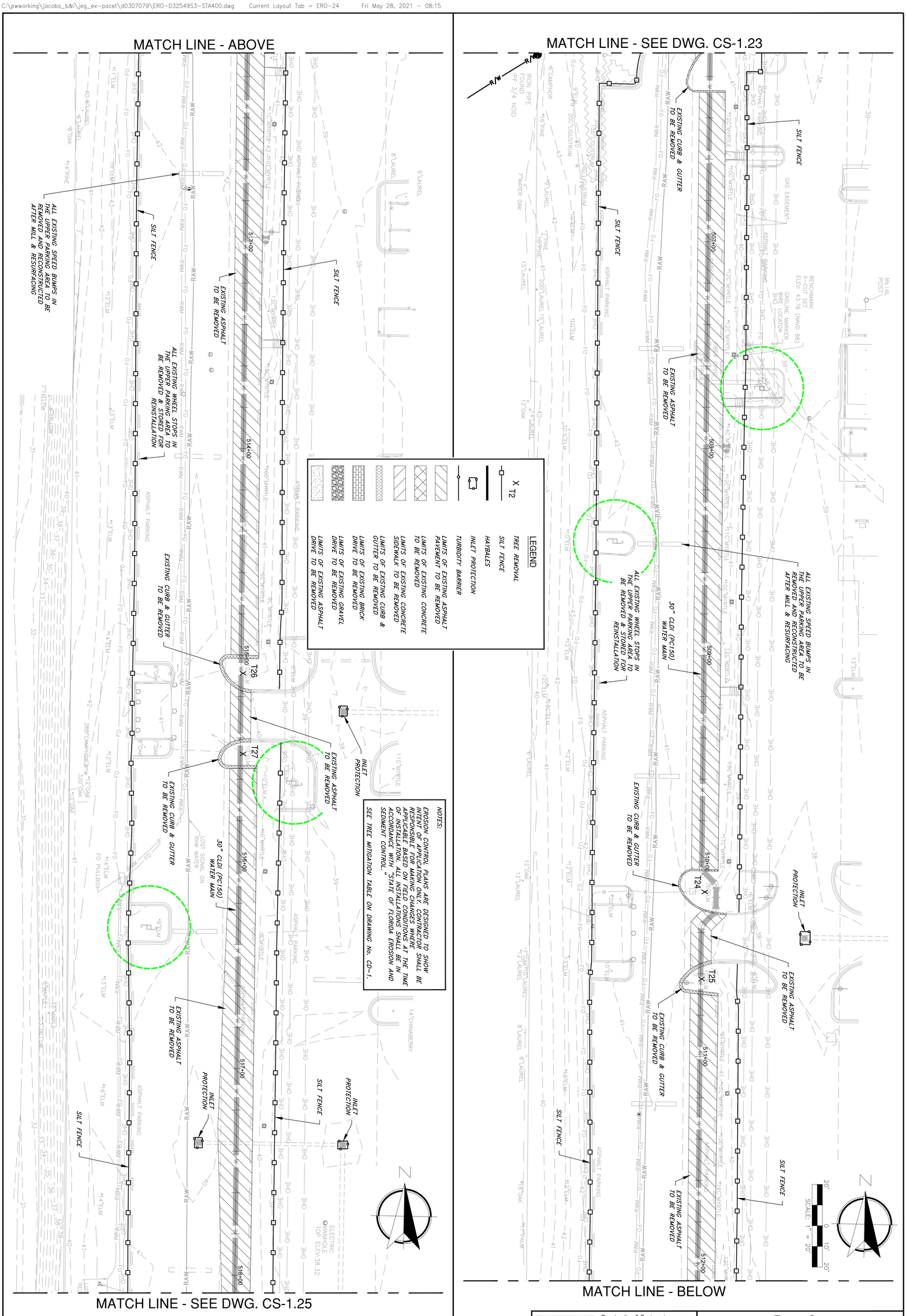

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 24

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO. D32549S3
SHEET NO. 27	DATE: MAY 2021
DRAWING NO. CS-1.24	SCALE: AS SHOWN

JEA Building Community

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
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X-D32549S3-C-STA500 [.\d0228456\X-D32549S3-C-STA500.dwg]
X-D32549S3-C-STA600 [.\d0228456\X-D32549S3-C-STA600.dwg]
X-D32549S1-V-Deerwood-REH [.\d0264934\X-D32549S1-V-Deerwood-REH.dwg]
X-D32549S1-S-Deerwood [.\d0228456\X-D32549S1-S-Deerwood.dwg]
X-D32549S1-V-Deerwood-DEG [.\d0264933\X-D32549S1-V-Deerwood-DEG.dwg]

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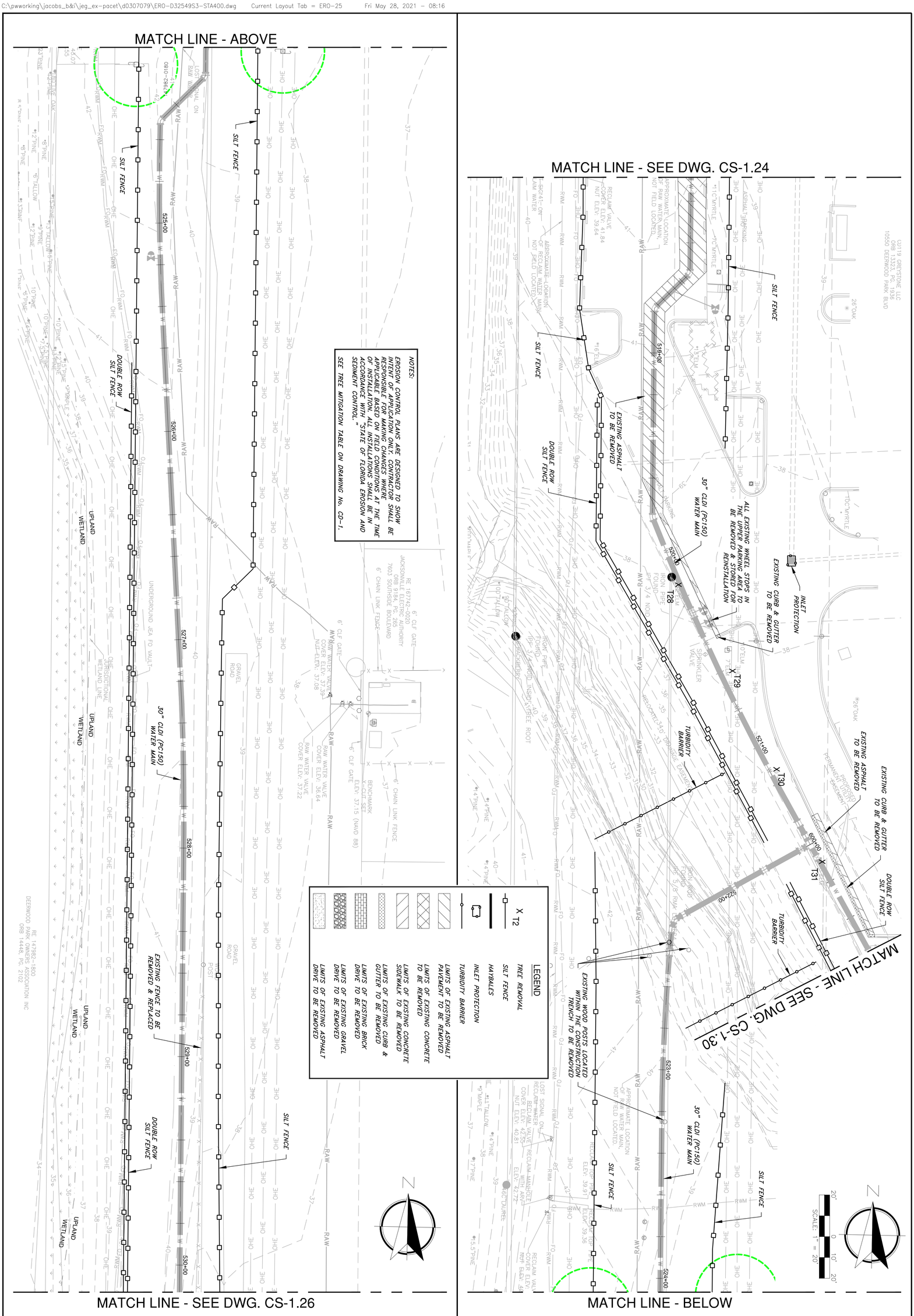

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 25

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS 112	PROJ. NO.	D32549S3
SHEET NO. 28	DATE:	MAY 2021
DRAWING NO. CS-1.25	SCALE:	AS SHOWN

JEA Building Community

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

MATCH LINE - SEE DWG. CS-1.25

MATCH LINE - BELOW

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-1.27

SILT FENCE

EXISTING FENCE TO BE REMOVED & REPLACED

DOUBLE ROW SILT FENCE

30" CLDI (PC150) WATER MAIN

RAW WATER ARV MANHOLE ARV ELEV: 31.72

RE 167742-0055
A.C. SKINNER III TRUST ET AL
ORB 16870, PG. 1044
107776 BURNT MILL RD.

RE 167742-0030
JACKSONVILLE ELECTRIC AUTHORITY
ORB 9184, PG. 265
0 J. TURNER BUTLER BOULEVARD

8" PVC END PIPE ELEV: 41.42

WATER VALVE NUT ELEV: 42.55

WATER VALVE NUT ELEV: 42.51

LOST SIGNAL ON RAW WATER

APPROXIMATE LOCATION OF RAW WATER MAIN, NOT FIELD LOCATED.

24" RCP INV: 29.31

24" RCP INV: 28.99

15"PALM

JURISDICTIONAL WETLAND LINE

WETLAND

UPLAND

GRAVEL ROAD

WOOD POST

TELE VAULT

JACKSONVILLE ELECTRIC AUTHORITY ORB 10242, PG. 8662

OHD DEERWOOD PARK BLVD

531+00 532+00 533+00 534+00 535+00 536+00

537+00 538+00 539+00 540+00 541+00 542+00

SCALE: 1" = 20'

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

LEGEND

- X T2 — TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1500 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1531
Business Number CA 27598

NO.	BY	DATE	REVISIONS
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DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 26

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA PROJ NO.: 8004887

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO. 29	SCALE:	AS SHOWN
DRAWING NO. CS-1.26		

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X-D3254953-C-STA300-400 [\\JEA\TOWN\X-D3254953-C-STA300-400.dwg]
X-D3254953-C-STA400 [\\JEA\TOWN\X-D3254953-C-STA400.dwg]
X-D3254953-C-STA500 [\\JEA\TOWN\X-D3254953-C-STA500.dwg]
X-D3254953-C-STA600 [\\JEA\TOWN\X-D3254953-C-STA600.dwg]
X-D3254953-C-Sitemod [\\JEA\TOWN\X-D3254953-C-Sitemod.dwg]

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X-D32549S3-T-Deerwood [.\d0228456\X-D32549S3-T-Deerwood.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]
X-D32549S3-C-STA000 [.\d0228456\X-D32549S3-C-STA000.dwg]
X-D32549S3-C-STA600 [.\d0228456\X-D32549S3-C-STA600.dwg]
X-D32549S1-V-Deerwood-REH [.\d0264934\X-D32549S1-V-Deerwood-REH.dwg]
X-D32549S1-S-Deerwood [.\d0228456\X-D32549S1-S-Deerwood.dwg]
X-D32549S1-V-Deerwood-DEG [.\d0264933\X-D32549S1-V-Deerwood-DEG.dwg]

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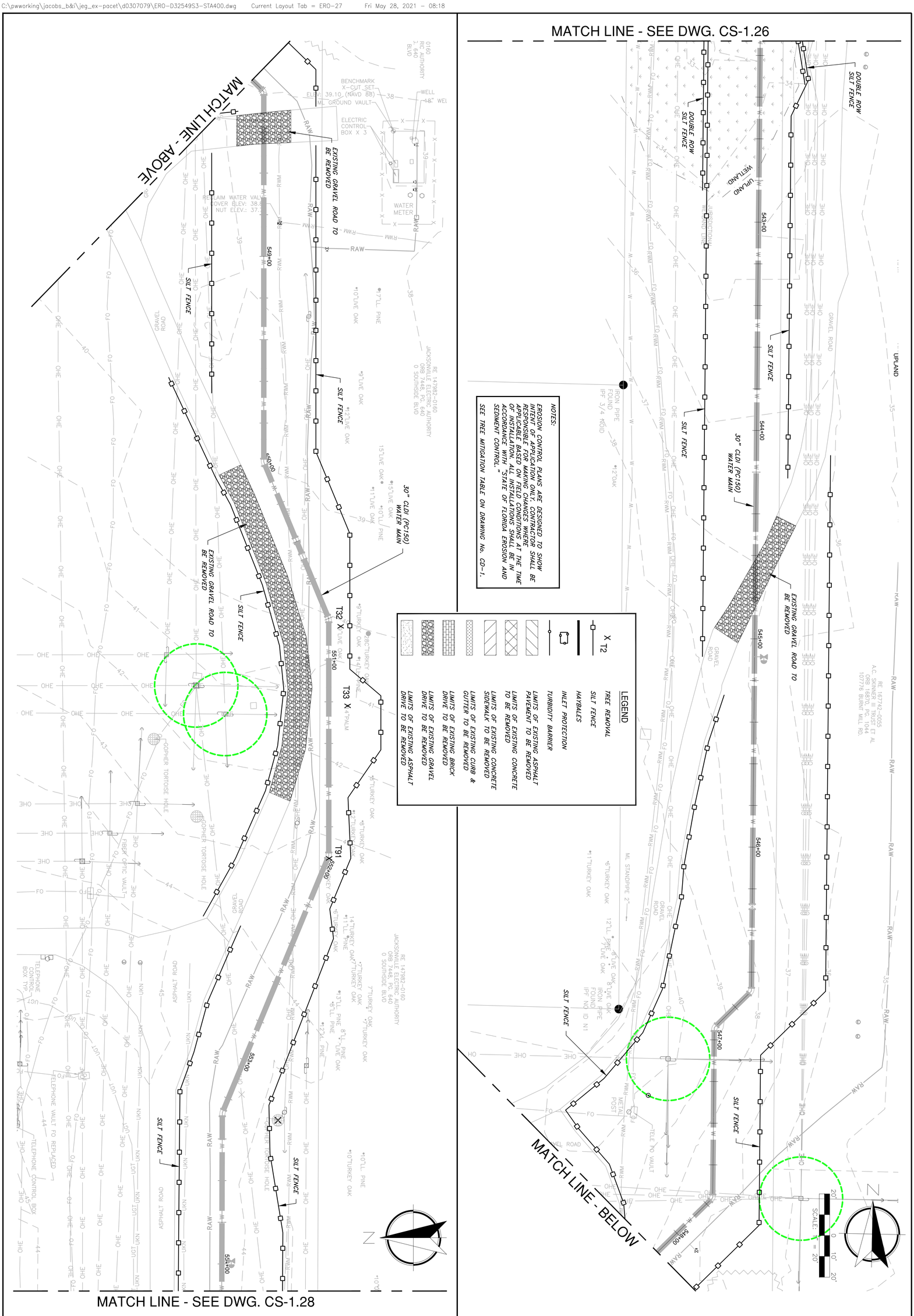

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 27

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	
SHEET NO. 30	DATE: MAY 2021	
DRAWING NO. CS-1.27	SCALE: AS SHOWN	

JEA Building Community

DESIGNER: CNM	DESIGN ENGINEER	
DRAWN BY: BTP		
DATE: MAY 2021		
CHECKED BY: FEG	FLORIDA REGISTRATION NO.	
DATE: MAY 2021		

NO.	BY	DATE	REVISIONS
6.			
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

MATCH LINE - SEE DWG. CS-1.27

MATCH LINE - BELOW

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-1.29

SILT FENCE

EXISTING ASPHALT TO BE REMOVED

30" CLDI (PC150) WATER MAIN

555+00 556+00 557+00 558+00 559+00 560+00

561+00 562+00 563+00 564+00 565+00 566+00

FINISH FLOOR ELEV 41.98

WOOD POST

GOPHER TORTOISE HOLE

RE 147982-0160
JACKSONVILLE ELECTRIC AUTHORITY
ORB 7448, PG. 640
0 SOUTHSIDE BLVD

RE 147982-0170
JACKSONVILLE ELECTRIC AUTHORITY
ORB 15227, PG. 0432
7603 SOUTHSIDE BLVD

ASPHALT ROAD

GRAVEL ROAD

LOST SIGNAL

SCALE: 1" = 20'

20' 0 10' 20'

N

LEGEND

- TREE REMOVAL (X T2)
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

Jacobs
200 WEST FORSYTH STREET, SUITE 1220
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
6.			
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1551 (904) 448-1552
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER
DRAWN BY:	BTP	
DATE:	MAY 2021	
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.
DATE:	MAY 2021	

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 28

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

JEA Building Community

NO. SHEETS	112
SHEET NO.	31
DRAWING NO.	CS-1.28
PROJ. NO.	D325493
DATE:	MAY 2021
SCALE:	AS SHOWN

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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MATCH LINE - SEE DWG. CS-1.28

MATCH LINE - ABOVE

MATCH LINE - BELOW

SILT FENCE

30" CLDI (PC150) WATER MAIN

567+00 568+00 569+00 570+00 571+00 572+00 573+00 574+00

EXISTING GRAVEL DRIVE TO BE REMOVED

EXISTING ASPHALT TO BE REMOVED

T68 T69 T70 T71 T72 T73 T74 T75 T76 T77 T78 T79 T80 T81 T82 T83 T84 T85 T86 T87 T88

NOTE:
SEE SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP; DEERWOOD WTP PRIORITY 1 PROJECTS, CIVIL OVERALL SITE PLAN FOR LIMITS OF SILT FENCE

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

LEGEND

- X T2 — TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

Jacobs
200 WEST FORSYTH STREET, SUITE 1200
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 28422

NO.	BY	DATE	REVISIONS
6.			
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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 363-1951
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER
DRAWN BY:	BTP	
DATE:	MAY 2021	FLORIDA REGISTRATION NO.
CHECKED BY:	FEG	
DATE:	MAY 2021	

JEA
Building Community sm

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 29

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
32		
DRAWING NO.		
CS-1.29		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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X-D3254953-C-ST4000 (J:\d3254953\C-ST4000.dwg)
X-D3254953-C-ST4000-SECT (J:\d3254953\C-ST4000-SECT.dwg)
X-D3254953-C-ST4000-SECT-Deerwood-RTH (J:\d3254953\C-ST4000-SECT-Deerwood-RTH.dwg)
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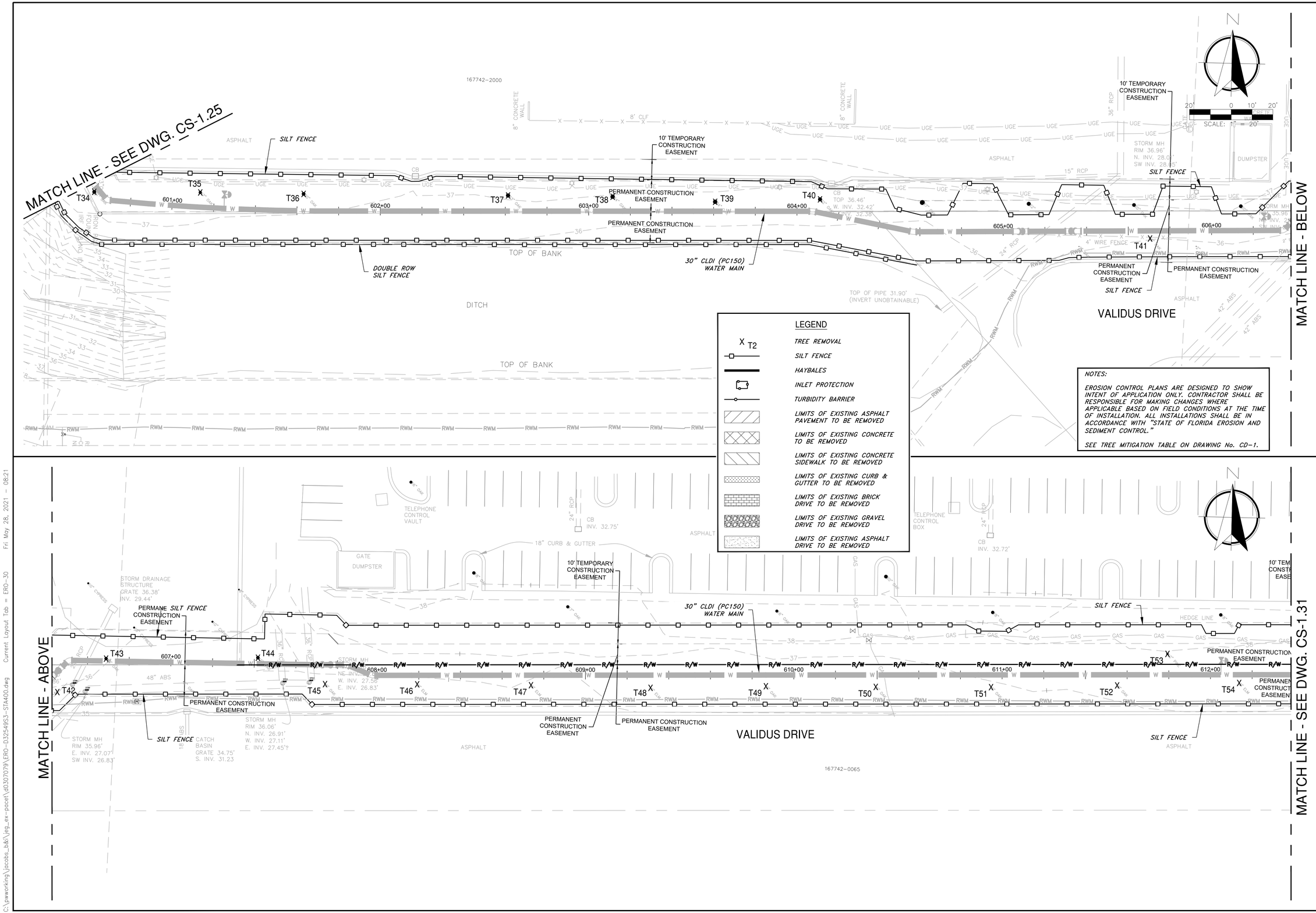

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

DESIGN ENGINEER
FLORIDA REGISTRATION NO.

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

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PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 30

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA PROJ NO.: 8004887

PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS 112
SHEET NO. 33
DRAWING NO. CS-1.30

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MATCH LINE - SEE DWG. CS-1.30

SILT FENCE

SILT FENCE

30" CLDI (PC150) WATER MAIN

VALIDUS DRIVE

ASPHALT

CATCH BASIN GRATE 35.24' S. INV. 32.23

18" CURB & GUTTER

DUMPSTER

CB N. INV. 30.77' S. INV. 30.88'

CB INV. 32.48'

TELEPHONE CONTROL VAULT

WELL PUMP ON CONCRETE

GATE

10' TEMPORARY CONSTRUCTION EASEMENT

PERMANENT CONSTRUCTION EASEMENT

PERMANENT CONSTRUCTION EASEMENT

SILT FENCE

SILT FENCE

MATCH LINE - BELOW

613+00 614+00 615+00 616+00 617+00 618+00

T55 T56 T57 T58 T59 T60 T61 T62 T63 T64 T65

SCALE: 1" = 20'

NOTES:

EROSION CONTROL PLANS ARE DESIGNED TO SHOW INTENT OF APPLICATION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CHANGES WHERE APPLICABLE BASED ON FIELD CONDITIONS AT THE TIME OF INSTALLATION. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH "STATE OF FLORIDA EROSION AND SEDIMENT CONTROL."

SEE TREE MITIGATION TABLE ON DRAWING No. CD-1.

LEGEND

- X T2 — TREE REMOVAL
- SILT FENCE
- HAYBALES
- INLET PROTECTION
- TURBIDITY BARRIER
- LIMITS OF EXISTING ASPHALT PAVEMENT TO BE REMOVED
- LIMITS OF EXISTING CONCRETE TO BE REMOVED
- LIMITS OF EXISTING CONCRETE SIDEWALK TO BE REMOVED
- LIMITS OF EXISTING CURB & GUTTER TO BE REMOVED
- LIMITS OF EXISTING BRICK DRIVE TO BE REMOVED
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REMOVED
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REMOVED

INLET PROTECTION

EXISTING ASPHALT TO BE REMOVED

BURNT MILL ROAD

30" CLDI (PC150) WATER MAIN

SILT FENCE

EXISTING CURB & GUTTER TO BE REMOVED

SILT FENCE

SILT FENCE

EXISTING CURB & GUTTER TO BE REMOVED

MAINTAIN SEPARATION SHOWN FOR FUTURE RECLAIMED WATER MAIN

MATCH LINE - ABOVE

VALIDUS DRIVE

620+00 621+00 622+00 623+00 623+60

T66 T67 619+00

18" PVC (PER ASBUILT SURVEY BY OTHERS)

SANITARY SEWER MH RIM: 37.46' N. INV.: 15.67' W. INV.: 15.38' E. INV.: 15.67'

SANITARY SEWER MH RIM: 36.66' N. INV.: 14.27'

ASBUILT SURVEY BY OTHERS

CONCRETE SIDEWALK

18" CURB & GUTTER

SILT FENCE

PAVEMENT REMOVAL, TREE MITIGATION, SEDIMENT & EROSION CONTROL PLAN 31

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

SIPS WATER MAIN AND RAW WATER MAIN

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA PROJ NO.: 8004887

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
34		
DRAWING NO.		
CS-131		

Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 28422

NO.	BY	DATE	REVISIONS
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 854-1900 FAX (904) 854-1901
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

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h:\D3254953-C-3MOD (\d0307079\#-D3254953-C-3MOD.dwg)
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h:\D3254953-C-Demo-AGS (\d0307079\#-D3254953-C-Demo-AGS.dwg)
h:\D3254953-C-Removal (\d0307079\#-D3254953-C-Removal.dwg)
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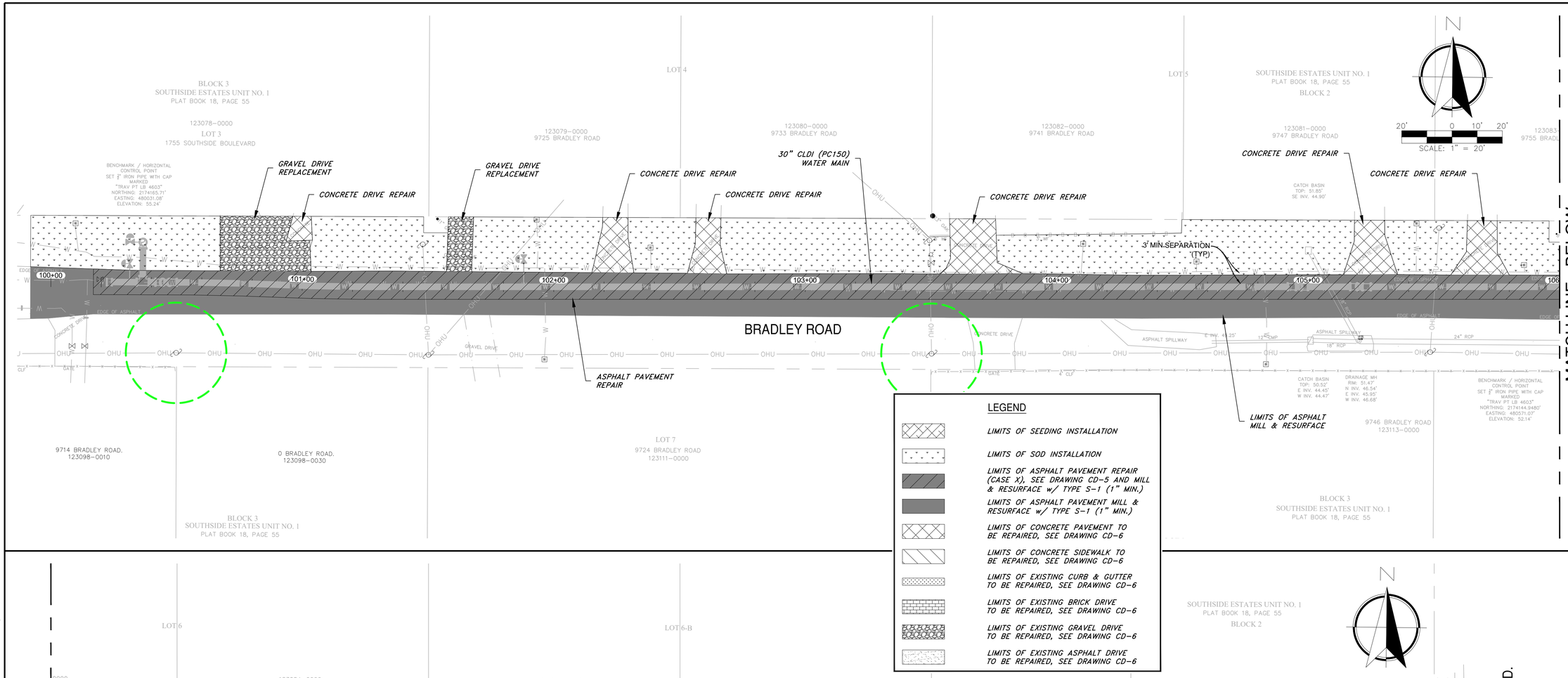

Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO.	BY	DATE	REVISIONS
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1361
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 1

NO. SHEETS	PROJ. NO.	D32549S3
112	DATE:	MAY 2021
SHEET NO. 35	SCALE:	AS SHOWN
DRAWING NO. CS-2.01		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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Xref: Attached - X:\D32549S3-Base (\d0307079\X-D32549S3-Base.dwg)
X-D32549S3-C-Base (\d0307079\X-D32549S3-C-Base.dwg)
X-D32549S3-C-Site (\d0307079\X-D32549S3-C-Site.dwg)
X-D32549S3-C-Site2 (\d0307079\X-D32549S3-C-Site2.dwg)
X-D32549S3-C-Site3 (\d0307079\X-D32549S3-C-Site3.dwg)
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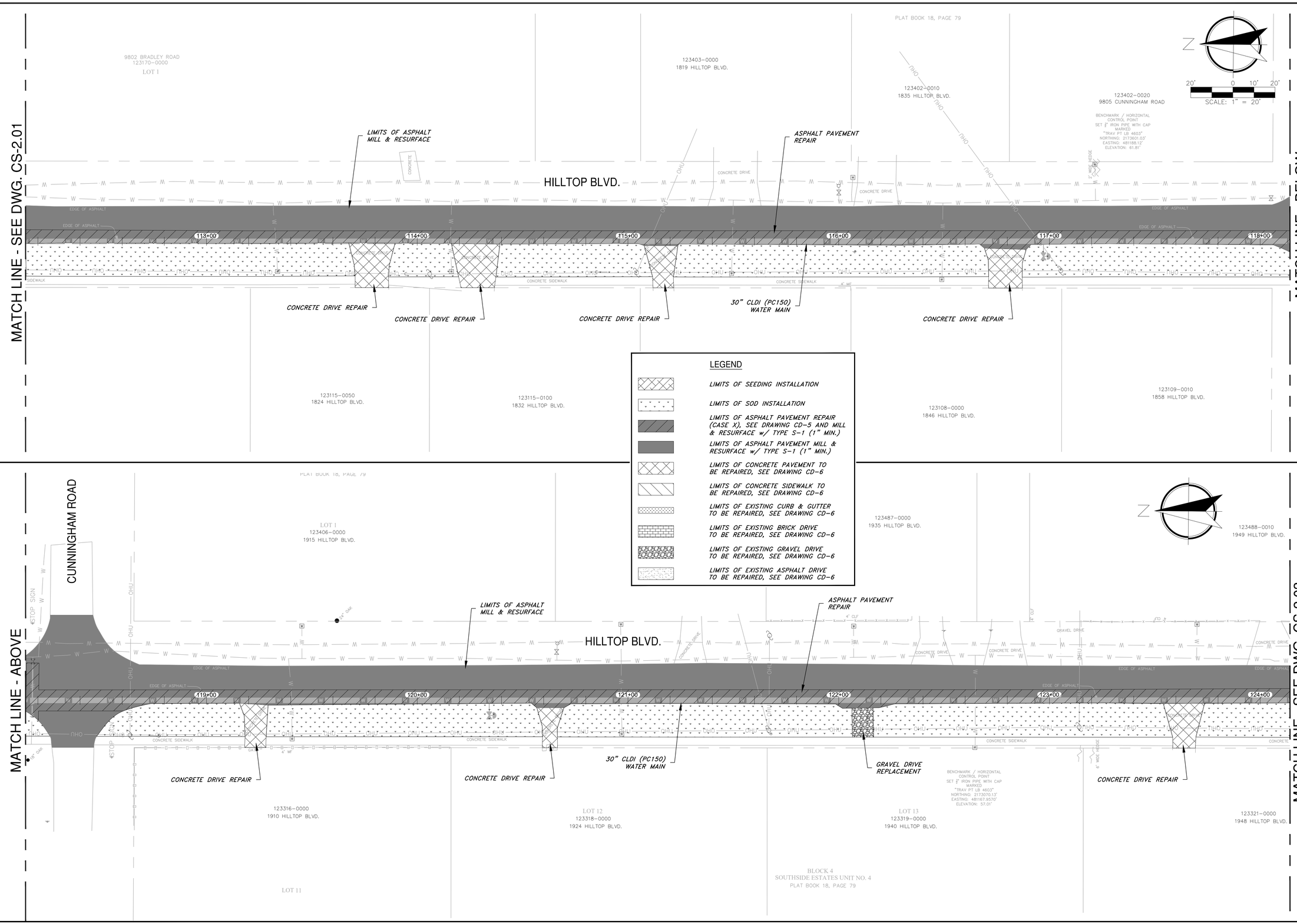
X-D32549S3-C-Site5 (\d0307079\X-D32549S3-C-Site5.dwg)
X-D32549S3-C-Site6 (\d0307079\X-D32549S3-C-Site6.dwg)
X-D32549S3-C-Site7 (\d0307079\X-D32549S3-C-Site7.dwg)
X-D32549S3-C-Site8 (\d0307079\X-D32549S3-C-Site8.dwg)



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200 WEST FORSYTH STREET, SUITE 1700
JACKSONVILLE, FL 32202
T: (904) 636-5432
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Jacksonville, FL 32256
(904) 448-1551
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 2

JEA PROJ NO.: 8004887
PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
36		
DRAWING NO.		
CS-2.02		

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Xrefs Attached: D:\3254953-Banner (\\ATCXRSWS\X-D3254953-Banner.dwg)
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D:\3254953-C-Sht20 (\\ATCXRSWS\X-D3254953-C-Sht20.dwg)
D:\3254953-C-Sht30 (\\ATCXRSWS\X-D3254953-C-Sht30.dwg)
D:\3254953-C-Sht40 (\\ATCXRSWS\X-D3254953-C-Sht40.dwg)
D:\3254953-C-Sht50 (\\ATCXRSWS\X-D3254953-C-Sht50.dwg)
D:\3254953-Survey (\\ATCXRSWS\X-D3254953-Survey.dwg)

MATCH LINE - SEE DWG. CS-2.02

123490-0000
1965 HILLTOP BLVD.

LOT 6

123489-0000
1983 HILLTOP BLVD.

123491-0000
2021 HILLTOP BLVD.

LOT 7

123492-0010
2031 HILLTOP BLVD.

123493-0010
2115 LAKE DRIVE

20' 0 10' 20'
SCALE: 1" = 20'

MATCH LINE - BELOW

LAKE DRIVE

HILLTOP BLVD.

LIMITS OF ASPHALT MILL & RESURFACE

ASPHALT PAVEMENT REPAIR

125+00 126+00 127+00 128+00 129+00 130+00

CONCRETE DRIVE REPAIR

30" CLDI (PC150) WATER MAIN

CONCRETE DRIVE REPAIR

CONCRETE DRIVE REPAIR

DOOLITTLE ROAD

LOT 11
123339-0000
9794 DOOLITTLE ROAD

123338-0000
2014 HILLTOP BLVD.

123340-0000
2026 HILLTOP BLVD.

LOT 13
123340-0130
2050 HILLTOP BLVD.

BENCHMARK / HORIZONTAL CONTROL POINT
SET P-K NAIL & DISK
MARKED
"TRAV PT LB 4603"
NORTHING: 2172368.5660'
EASTING: 481168.2315'
ELEVATION: 61.33'

LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LOT 8

0 LAKE DRIVE
123492-0900

LOT 9

2115 LAKE DRIVE
123493-0010

GRAVEL DRIVE REPLACEMENT

30" CLDI (PC150) WATER MAIN

100 YEAR FLOOD LINE

50.0'

131+00 132+00 133+00 134+00 135+00 136+00

3' MIN SEPARATION (TYP)

LAKE DRIVE

LIMITS OF ASPHALT MILL & RESURFACE

ASPHALT PAVEMENT REPAIR

100 YEAR FLOOD LINE

S.E. INV. 50.53'
N.W. INV. 49.94'

E INV. 47.57'

BENCHMARK / HORIZONTAL CONTROL POINT
SET 3" IRON PIPE WITH CAP
MARKED
"TRAV PT LB 4603"
NORTHING: 2171925.26'
EASTING: 481593.8185'
ELEVATION: 49.25'

LOT 27
123436-0000
2108 LAKE DRIVE

LOT 26
123435-0000
2120 LAKE DRIVE

LOT 25
123434-0000
2134 LAKE DRIVE

LOT 24
123433-0000
2144 LAKE DRIVE

BLOCK 33
SOUTHSIDE ESTATES UNIT NO. 4
PLAT BOOK 18, PAGE 79

LOT 23
123432-0000
2154 LAKE DRIVE

MATCH LINE - SEE DWG. CS-2.04

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Jacksonville, FL 32256
(904) 363-1626
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 3

PROJ. NO.	D3254953
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS	112
SHEET NO.	37
DRAWING NO.	CS-2.03

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA PROJ NO.: 8004887

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Xrefs Attached: X-D3254953-Base [\\JAX0307079-1035493\i-Base-dwg]
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X-D3254953-C-00100 [\\JAX0307079-1035493\i-C-00100-dwg]
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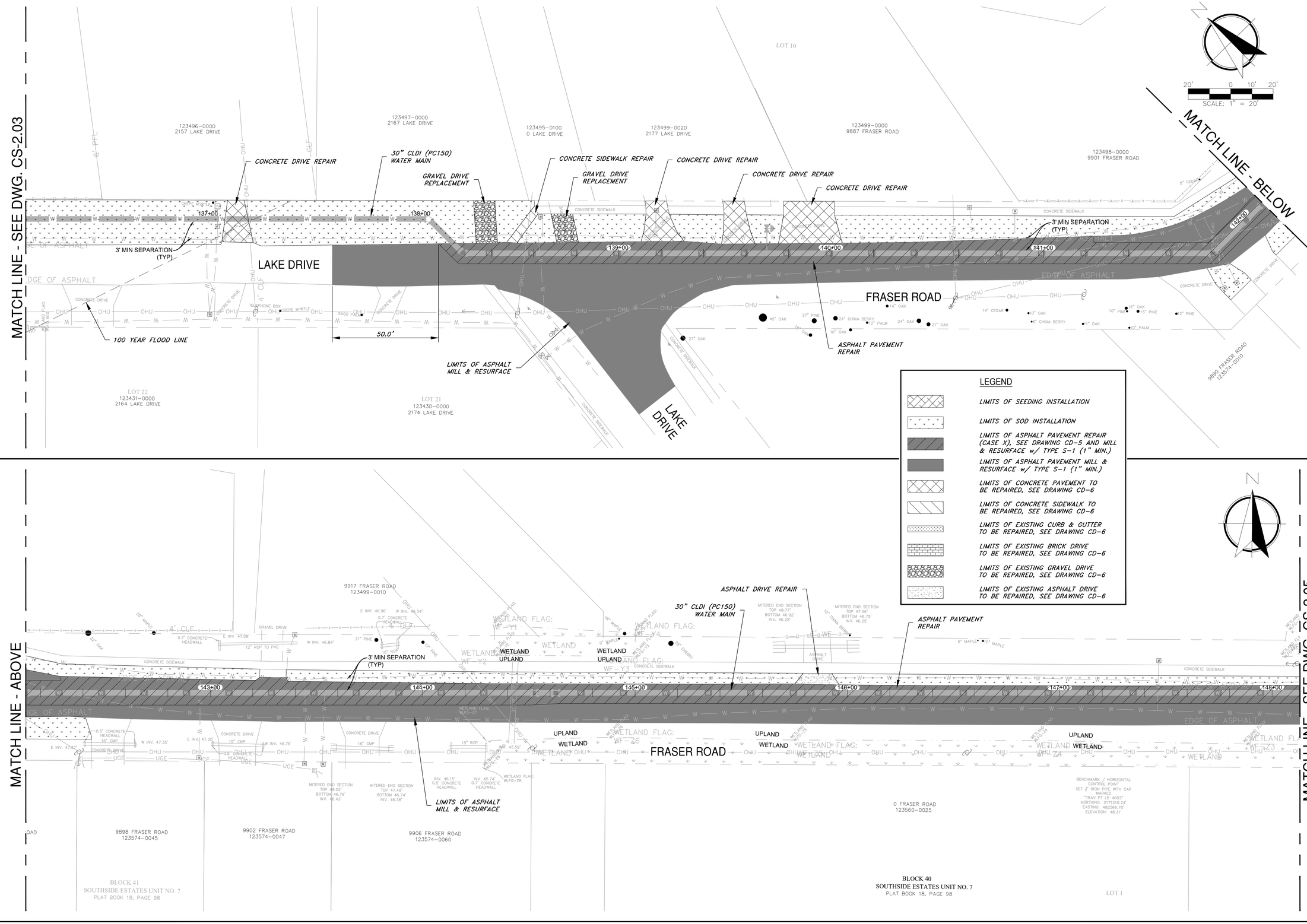

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SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

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Jacksonville, FL 32256
(904) 448-1551
Business Number CA 27598

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DRAWN BY:	BTP	
DATE:	MAY 2021	FLORIDA REGISTRATION NO.
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DATE:	MAY 2021	

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 4

JEA PROJ NO.: 8004887
PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

NO. SHEETS	PROJ. NO.	D325493
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
38		
DRAWING NO.		
CS-2.04		

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X-D325493-C-SHEET [\\JEDFSW01\X-D325493-C-SHEET.dwg]
X-D325493-C-STA100 [\\JEDFSW01\X-D325493-C-STA100.dwg]
X-D325493-C-STA200 [\\JEDFSW01\X-D325493-C-STA200.dwg]
X-D325493-C-STA300 [\\JEDFSW01\X-D325493-C-STA300.dwg]
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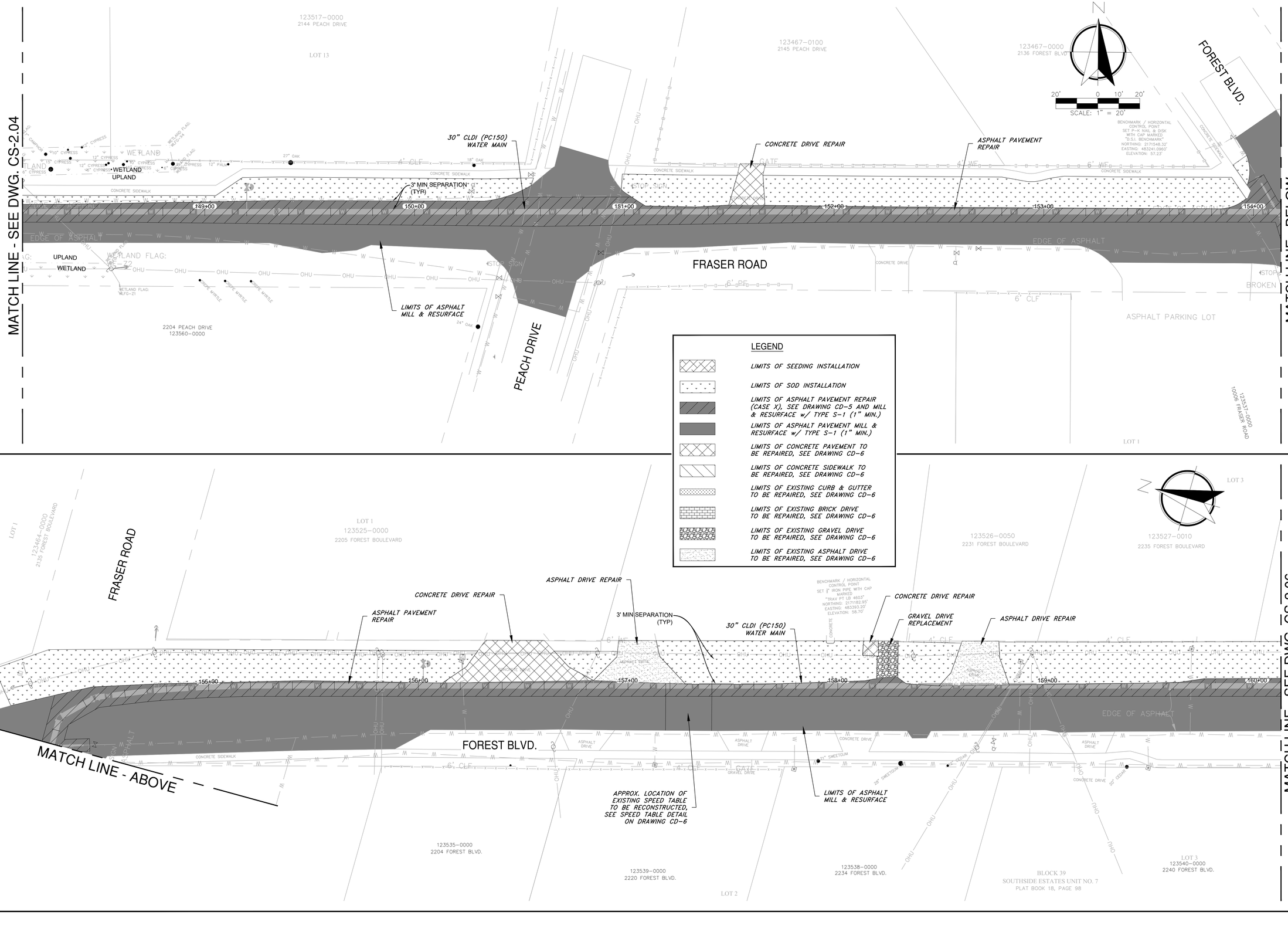

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200 WEST FORSYTH STREET, SUITE 1200
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 28422

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
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DRAWN BY:	BTP	
DATE:	MAY 2021	
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.
DATE:	MAY 2021	

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 5

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

NO. SHEETS	112	
SHEET NO.	39	
DRAWING NO.	CS-2.05	
PROJ. NO.	D3254953	
DATE:	MAY 2021	
SCALE:	AS SHOWN	

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Xrefs Attached= X-03254953-Border [..\d03070801\X-03254953-Border.dwg]
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X-03254953-C-STA200 [..\d02284565\X-03254953-C-STA200.dwg]
ERO-03254953-STA100 [..\d03070791\ERO-03254953-STA100.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.05

MATCH LINE - SEE DWG. CS-2.07

MATCH LINE - BELOW

FOREST BLVD.

FOREST BLVD.

EDGE OF ASPHALT

EDGE OF ASPHALT

GATE

GATE

4' CLF

4' CLF

4' WF

OHU

OHU

CONCRETE DRIVE REPAIR

GRAVEL DRIVE REPLACEMENT

ASPHALT PAVEMENT REPAIR

30" CLDI (PC150) WATER MAIN

LIMITS OF ASPHALT MILL & RESURFACE

APPROX. LOCATION OF EXISTING SPEED TABLE TO BE RECONSTRUCTED, SEE SPEED TABLE DETAIL ON DRAWING CD-6

ASPHALT DRIVE REPAIR

187+00

183+00

181+00

179+00

177+00

175+00

173+00

171+00

169+00

167+00

165+00

163+00

161+00

159+00

157+00

155+00

153+00

151+00

149+00

147+00

LEGEND

LIMITS OF SOD INSTALLATION

LIMITS OF SEEDING INSTALLATION

LIMITS OF ASPHALT PAVEMENT REPAIR (CASE 1), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

SCALE: 1" = 20'

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

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NO. SHEETS	112
SHEET NO.	40
DRAWING NO.	CS-2.06
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 6

JEA Building Community sm

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-03254953-Border [..\d03070801\X-03254953-Border.dwg]
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X-03254953-C-STA100 [..\d03070801\X-03254953-C-STA100.dwg]
X-03254953-T-Deerwood [..\d03284505\X-03254953-T-Deerwood.dwg]
X-03254953-C-STA200 [..\d03284505\X-03254953-C-STA200.dwg]
ERO-03254953-STA100 [..\d03070791\ERO-03254953-STA100.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.06

MATCH LINE - SEE DWG. CS-2.08

MATCH LINE - BELOW

FOREST BLVD.

CONCRETE DRIVE REPAIR

ASPHALT DRIVE REPAIR

ASPHALT PAVEMENT REPAIR

BRICK DRIVE REPAIR

LIMITS OF ASPHALT MILL & RESURFACE

APPROX. LOCATION OF EXISTING SPEED TABLE TO BE RECONSTRUCTED, SEE SPEED TABLE DETAIL ON DRAWING CD-6

APPROX. LOCATION OF EXISTING CREPE MYRTLE TREE TO BE REPLACED, CREPE MYRTLE SHALL BE 2" MIN. CALIPER

30" CLDI (PC150) WATER MAIN

LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

SCALE: 1 = 20'

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 7	JEA Building Community sm	DESIGNER: CNM	DESIGN ENGINEER
SHEET NO. 41	DATE: MAY 2021			DRAWN BY: BTP	
DRAWING NO. CS-2.07	SCALE: AS SHOWN			CHECKED BY: FEG	FLORIDA REGISTRATION NO.
				DATE: MAY 2021	

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1.			

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
X-D32549S3-V-Deerwood-DEC [.\d0284937\X-D32549S3-V-Deerwood-DEC.dwg]
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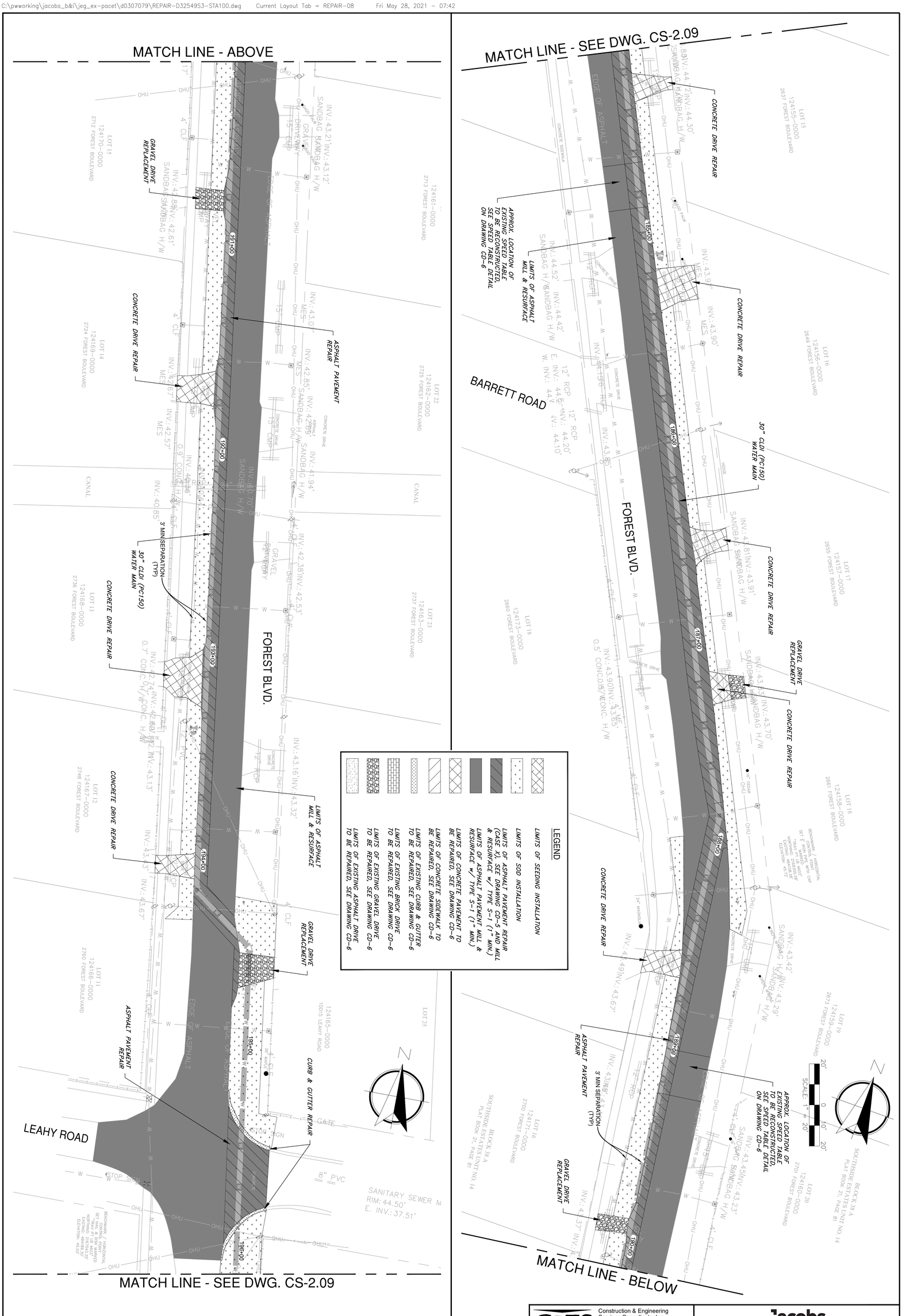

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 8	JEA Building Community	DESIGNER: CNM	DESIGN ENGINEER	NO.	BY	DATE	REVISIONS
SHEET NO. 42	DATE: MAY 2021			DRAWN BY: BTP		6.			
DRAWING NO. CS-2.08	SCALE: AS SHOWN			DATE: MAY 2021		5.			
				CHECKED BY: FEG	FLORIDA REGISTRATION NO.	4.			
				DATE: MAY 2021		3.			
						2.			
						1.			

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [\d0307080\X-D32549S3-Border.dwg]
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X-D32549S3-C-STA100 [\d0228456\X-D32549S3-C-STA100.dwg]
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ERD-D32549S3-STA100 [\d0307079\ERD-D32549S3-STA100.dwg]

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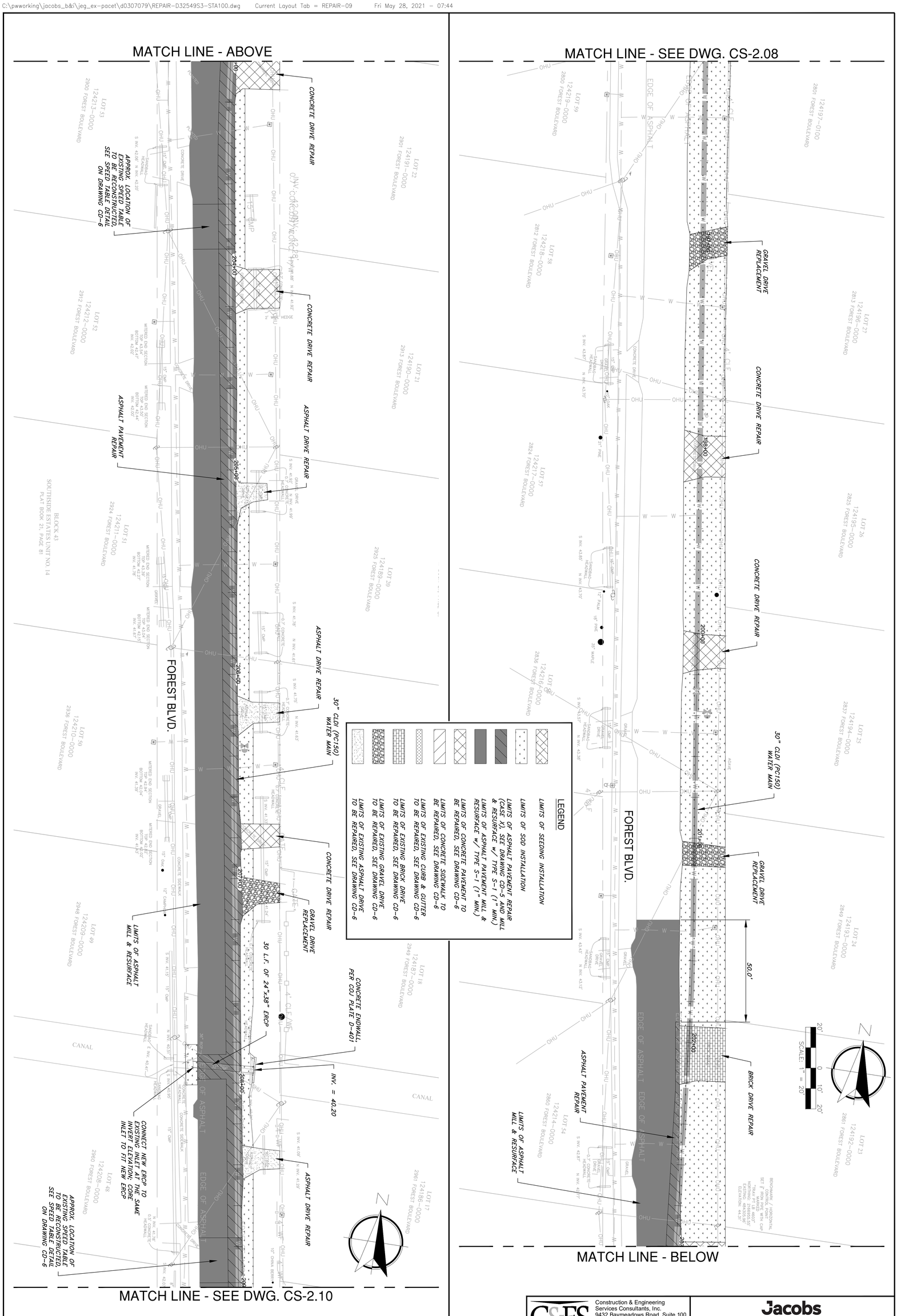

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

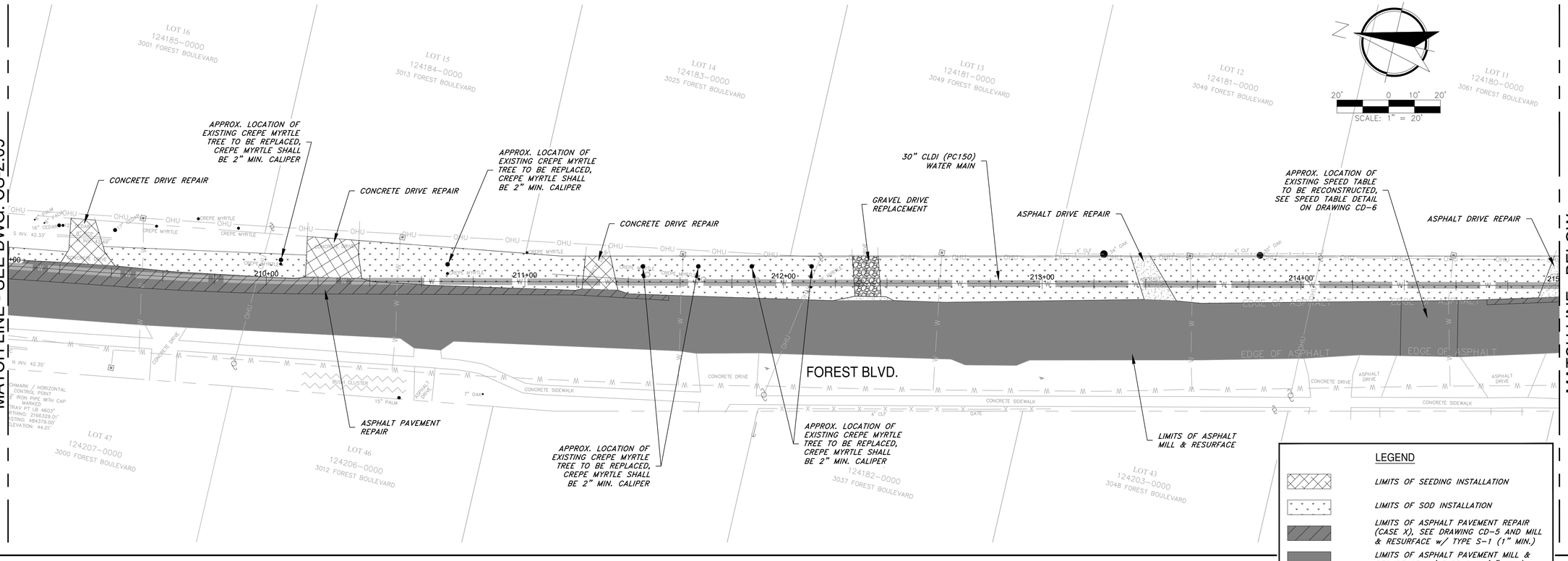
Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

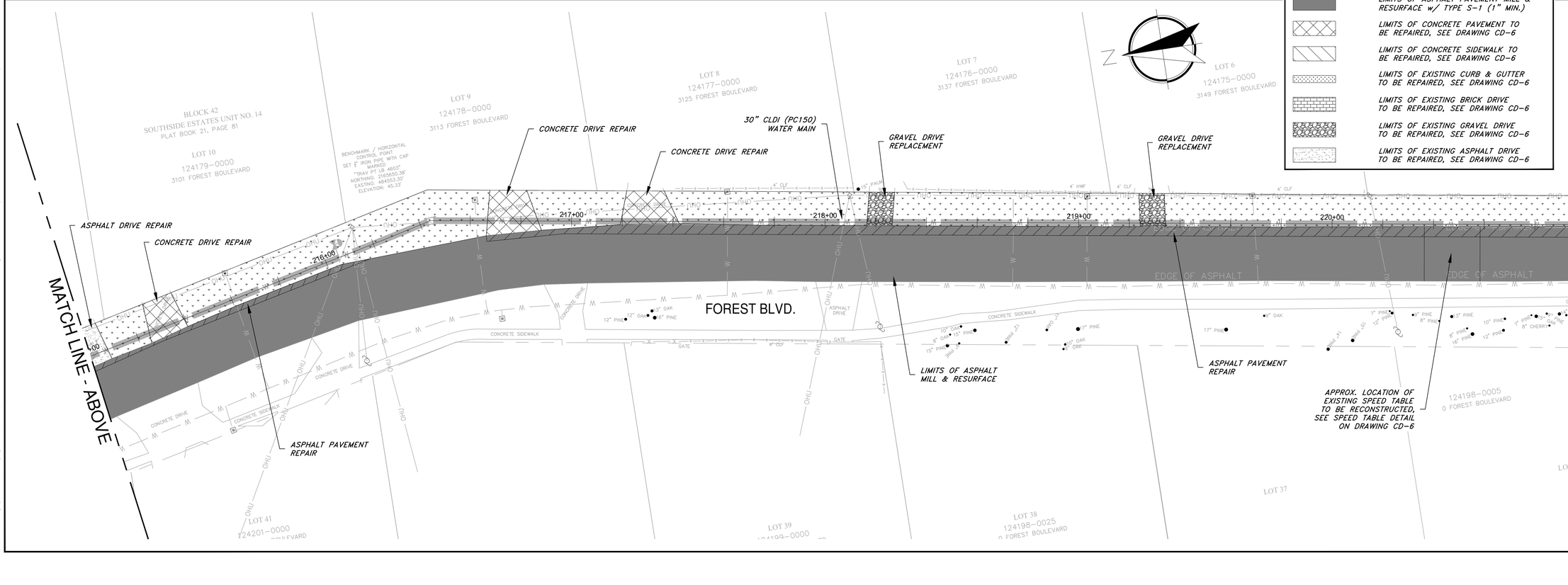
NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 9	JEA Building Community	DESIGNER: CNM	DESIGN ENGINEER	NO.	BY	DATE	REVISIONS
SHEET NO. 43	DATE: MAY 2021			DRAWN BY: BTP		6.			
DRAWING NO. CS-2.09	SCALE: AS SHOWN			DATE: MAY 2021		5.			
				CHECKED BY: FEG	FLORIDA REGISTRATION NO.	4.			
				DATE: MAY 2021		3.			
						2.			
						1.			

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

MATCH LINE - SEE DWG. CS-2.09

MATCH LINE - BELOW





MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.11

Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

Construction & Engineering Services Consultants, Inc. 9432 Baymeadows Road, Suite 100 Jacksonville, FL 32256 (904) 448-1961 Business Number CA 27598

NO.	BY	DATE	REVISIONS
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DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 10

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

PROJ. NO.	D3254953
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS	112
SHEET NO.	44
DRAWING NO.	CS-2.10

C:\pwworking\jacobs_b&k\jeg_ex-pocet\d0307079\REPAIR-D3254953-STA100.dwg Current Layout Tab = REPAIR-10 Fri May 28, 2021 - 07:44

Xrefs Attached: X-D3254953-Border [\\JAC0307079\X-D3254953-Border.dwg]
X-D3254953-C-Base [\\JAC0307079\X-D3254953-C-Base.dwg]
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X-D3254953-C-Site02 [\\JAC0307079\X-D3254953-C-Site02.dwg]
X-D3254953-C-Site03 [\\JAC0307079\X-D3254953-C-Site03.dwg]
X-D3254953-C-Site04 [\\JAC0307079\X-D3254953-C-Site04.dwg]

MATCH LINE - SEE DWG. CS-2.10

MATCH LINE - BELOW

★ FDOT LEGEND

- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-7
- LIMITS OF EXISTING ASPHALT MILL & RESURFACE (1" MIN.), SEE DRAWING CD-7
- LIMITS OF ASPHALT PAVEMENT REPAIR. BACKFILL w/ EXCAVATABLE FLOWABLE FILL IN STAGES PER FDOT INDEX 125-001, ASPHALT AND BASE TO MATCH OR EXCEED EXISTING STRUCTURAL AND FRICTION COURSES, SEE GEOTECHNICAL EXPLORATION AND ELEVATION REPORT PREPARED BY CSI GEO, INC. DATED APRIL 19, 2021, SIPS DEERWOOD WATER MAIN.
- LIMITS OF ASPHALT PAVEMENT REPAIR AND MILL & RESURFACE (1" MIN.). BACKFILL w/ EXCAVATABLE FLOWABLE FILL IN STAGES PER FDOT INDEX 125-001, ASPHALT AND BASE TO MATCH OR EXCEED EXISTING STRUCTURAL AND FRICTION COURSES, SEE GEOTECHNICAL EXPLORATION AND ELEVATION REPORT PREPARED BY CSI GEO, INC. DATED APRIL 19, 2021, SIPS DEERWOOD WATER MAIN.

BEACH BLVD.

FOREST BLVD.

CANAL

BLOCK 42
SOUTHSIDE ESTATES UNIT NO. 12
PLAT BOOK 20, PAGE 37

123995-0000
10417 BEACH BOULEVARD

123997-0000
3213 FOREST BOULEVARD

123993-0000
10405 BEACH BOULEVARD

124023-0000
10355 BEACH BOULEVARD

BLOCK 43
SOUTHSIDE ESTATES UNIT NO. 12
PLAT BOOK 20, PAGE 37

123246-0200
10360 BEACH BLVD.

LOT 4 · LOT 1 · LOT 5

30" CLDI (PC150) WATER MAIN

CONCRETE DRIVE REPAIR

GRAVEL DRIVE REPLACEMENT

GRAVEL DRIVE REPLACEMENT

CONCRETE DRIVE REPAIR

ASPHALT DRIVE REPAIR

ASPHALT DRIVE REPAIR

CURB & GUTTER REPAIR

CONCRETE SIDEWALK REPAIR

CONCRETE SIDEWALK REPAIR ★ PER FDOT INDEX 522-001

CURB & GUTTER REPAIR ★ PER FDOT INDEX 520-001

LIMITS OF ASPHALT ★ MILL & RESURFACE

ASPHALT PAVEMENT ★ REPAIR

CONCRETE SIDEWALK REPAIR ★ PER FDOT INDEX 522-001

LIMITS OF ASPHALT MILL & RESURFACE

CONCRETE SIDEWALK REPAIR

ASPHALT PAVEMENT REPAIR

LIMITS OF ASPHALT ★ MILL & RESURFACE

★ ASPHALT DRIVE REPAIR PER FDOT INDEX 125-001

★ ITEMS TO BE REPAIRED PER 2020 FDOT STANDARD SPECIFICATION

LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.12

BEACH BLVD.

FOREST BLVD.

LIMITS OF ASPHALT ★ MILL & RESURFACE

CONCRETE SIDEWALK REPAIR

30" CLDI (PC150) WATER MAIN

ASPHALT DRIVE REPAIR

ASPHALT PAVEMENT REPAIR

LIMITS OF ASPHALT MILL & RESURFACE

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SUITE 1700 F: (904) 636-5433
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1961
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA
Building Community.sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 11

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

NO. SHEETS	112
SHEET NO.	45
DRAWING NO.	CS-2.11
PROJ. NO.	D25493S3
DATE:	MAY 2021
SCALE:	AS SHOWN

C:\pwworking\jacobs_b&t\jeg_ex-pcel\d0307079\REPAIR-D3254953-STA200.dwg Current Layout Tab = REPAIR-11 Fri May 28, 2021 - 09:05

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X-D3254953-D3200 [\d0307079\X-D3254953-D3200.dwg]

MATCH LINE - SEE DWG. CS-2.11

MATCH LINE - BELOW

WINDY HILL PLACE

FOREST BLVD.

LOT 1
128011-0000
3403 WINDY HILL PL.

LOT 13

LOT 2

128042-0000
3404 WINDY HILL PL.

128041-0000
3433 FOREST BLVD.

123265-0000
3443 FOREST BLVD.

LOT 11
128040-0000
3453 FOREST ROAD

LOT 10
128039-00
3461 FOREST

CONCRETE DRIVE REPAIR

ASPHALT DRIVE REPAIR

30" CLDI (PC150) WATER MAIN

CONCRETE DRIVE REPAIR

CONCRETE DRIVE REPAIR

ASPHALT PAVEMENT REPAIR

CONCRETE SIDEWALK REPAIR

LIMITS OF ASPHALT MILL & RESURFACE

+00 | 234+00 | 300+00 | 301+00 | 302+00 | 303+00 | 30

LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

SCALE: 1" = 20'

23247-0010
4 FOREST BLVD.

123248-0010
0 FOREST BLVD.

123248-0000
3418 FOREST BLVD.

LOT 1
146286-0000
3456 FOREST BLVD.

LOT 6

LOT 7

TRACT A
BLOCK 2
WINDY HILL PLACE
PLAT BOOK 25, PAGE 40

128027-0000
3471 FOREST ROAD

LOT 8

LOT 9
128038-0000
3483 FOREST ROAD

128037-0000
10403 ANTIOCH ROAD

ANTIOCH ROAD

128053-0000
10404 ANTIOCH ROAD

BLOCK 3
WINDY HILL PLACE
PLAT BOOK 25, PAGE 40

LOT 11
128054-0000
3509 FOREST BLVD.

LOT 12
128055-0000
3517 FOREST BLVD.

30" CLDI (PC150) WATER MAIN

CONCRETE DRIVE REPAIR

CURB & GUTTER REPAIR

CURB & GUTTER REPAIR

CONCRETE SIDEWALK (JTA BUS PAD) REPAIR

CONCRETE SIDEWALK REPAIR

ASPHALT DRIVE REPAIR

CONCRETE DRIVE REPAIR

CONCRETE DRIVE REPAIR

ASPHALT DRIVE REPAIR

ASPHALT DRIVE REPAIR

LIMITS OF ASPHALT MILL & RESURFACE

EXISTING STORED BENCH AND SIGN TO BE REINSTALLED

ASPHALT PAVEMENT REPAIR

+00 | 305+00 | 306+00 | 307+00 | 308+00 | 309+00 | 310

SAN. SEWER MANHOLE
RIM: 51.56'
S. INV.: 44.23'
W. INV.: 44.15'

CATCH BASIN
GRATE: 48.13'
S. INV.: 46.05'
E. INV.: 45.85'
N. INV.: 45.87'

CATCH BASIN
GRATE: 48.74'
N. INV.: 45.92'

LOT 2
146287-0000
3468 FOREST BLVD.

LOT 7
146293-0000
3480 FOREST BLVD.

LOT 8
146294-0000
3498 FOREST BLVD.

123250-0000
3512 FOREST BLVD.

123251-0000
3516 FOREST BLVD.

123252-0000
3520 FOREST BLVD.

LOT 11

PLAT BOOK 23, PAGE 55
ROLAND HEIGHTS UNIT NO. 4

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.13

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200 WEST FORSYTH STREET, SUITE 1700 JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 641-1808
Business Number CA 27598

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

JEA
Building Community

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 12

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

PROJ. NO.	D3254953
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS	112
SHEET NO.	46
DRAWING NO.	CS-2.12

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X-D3254953-12-Sheetwood [\\JAX0307079\X-D3254953-12-Sheetwood-REF.dwg]
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X-D3254953-S-31100 [\\JAX0307079\X-D3254953-S-31100.dwg]
EMX-D3254953-31400 [\\JAX0307079\EMX-D3254953-31400.dwg]
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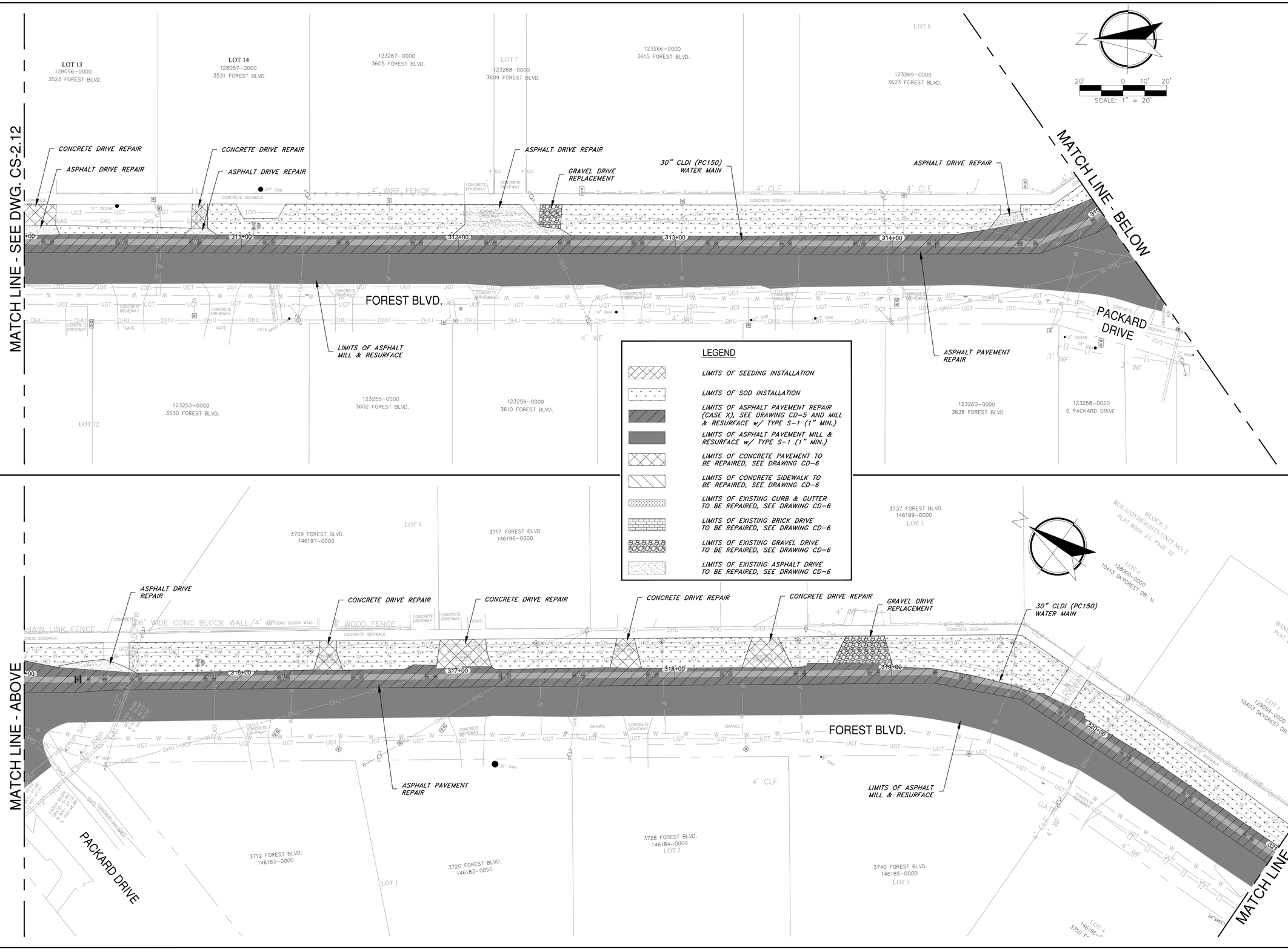

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SUITE 1700 F: (904) 636-5433
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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
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Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

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NO. SHEETS	PROJ. NO.	D325493
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
47		
DRAWING NO.		
CS-2.13		

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 13

JEA PROJ NO.: 8004887
PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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MATCH LINE - SEE DWG. CS-2.13

SKY CREST DRIVE

WINDY HILL PLACE NO.2
PLAT BOOK 26, PAGE 35

LOT 27
128085-0000
10404 SKYCREST DR. N.

LOT 26
128084-0000
10403 ANDERS BLVD.

ANDERS BLVD.

30" CLDI (PC150) WATER MAIN

LOT 1

LOT 2

FOREST BLVD.

ASPHALT PAVEMENT REPAIR

LIMITS OF ASPHALT MILL & RESURFACE

LOT 5
146187-0000
3762 FOREST BLVD.

LOT 6
146188-0000
3772 FOREST BLVD.

LOT 7
146189-0000
3776 FOREST BLVD.

LOT 13
146080-0000
3820 FOREST BLVD.

MATCH LINE - BELOW

LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

20' 0 10' 20'
SCALE: 1" = 20'

MATCH LINE - ABOVE

WINDY HILL ELEMENTARY SCHOOL

BLOCK 3
ROLAND HEIGHTS
PLAT BOOK 23, PAGE 16

LOT 4
146082-0000
3831 FOREST BLVD.

CONCRETE DRIVE REPAIR

CONCRETE DRIVE REPAIR

30" CLDI (PC150) WATER MAIN

INV. = 46.13

CONCRETE DRIVE REPAIR

FOREST BLVD.

LIMITS OF ASPHALT MILL & RESURFACE

35 L.F. OF 12" RCP

INV. = 45.98

ASPHALT PAVEMENT REPAIR

LOT 8
146085-0000
3905 FOREST BLVD.

BACUP ROAD

LOT 12
146079-0000
3832 FOREST BLVD.

146078-0000
3832 FOREST BLVD.

146077-0000
3840 FOREST BLVD.

LOT 10
146076-0000
3846 FOREST BLVD.

146075-0000
3856 FOREST BLVD.

LOT 8
146074-0000
3866 FOREST BLVD.

146129-0100
3906 FOREST BLVD.

LOT 36

Z

20' 0 10' 20'
SCALE: 1" = 20'

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200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1500 F: (904) 636-5433
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 363-1951
Business Number CA 27598

DESIGNER:	CJM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 14

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA PROJ NO.: 8004887

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
48		
DRAWING NO.		
CS-2.14		

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K:\D3254953-Details (\\JAXDSTRGX\K-D3254953-Details.dwg)
K:\D3254953-Site Plan (\\JAXDSTRGX\K-D3254953-Site Plan.dwg)
K:\D3254953-Southside (\\JAXDSTRGX\K-D3254953-Southside.dwg)
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[DR-D3254953-STA200 (\\JAXDSTRGX\K-D3254953-STA200.dwg)

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X-D32549S1-C-STA200 [.\d0228456\X-D32549S1-C-STA200.dwg]
X-D32549S1-C-STA300-400 [.\d0228456\X-D32549S1-C-STA300-400.dwg]
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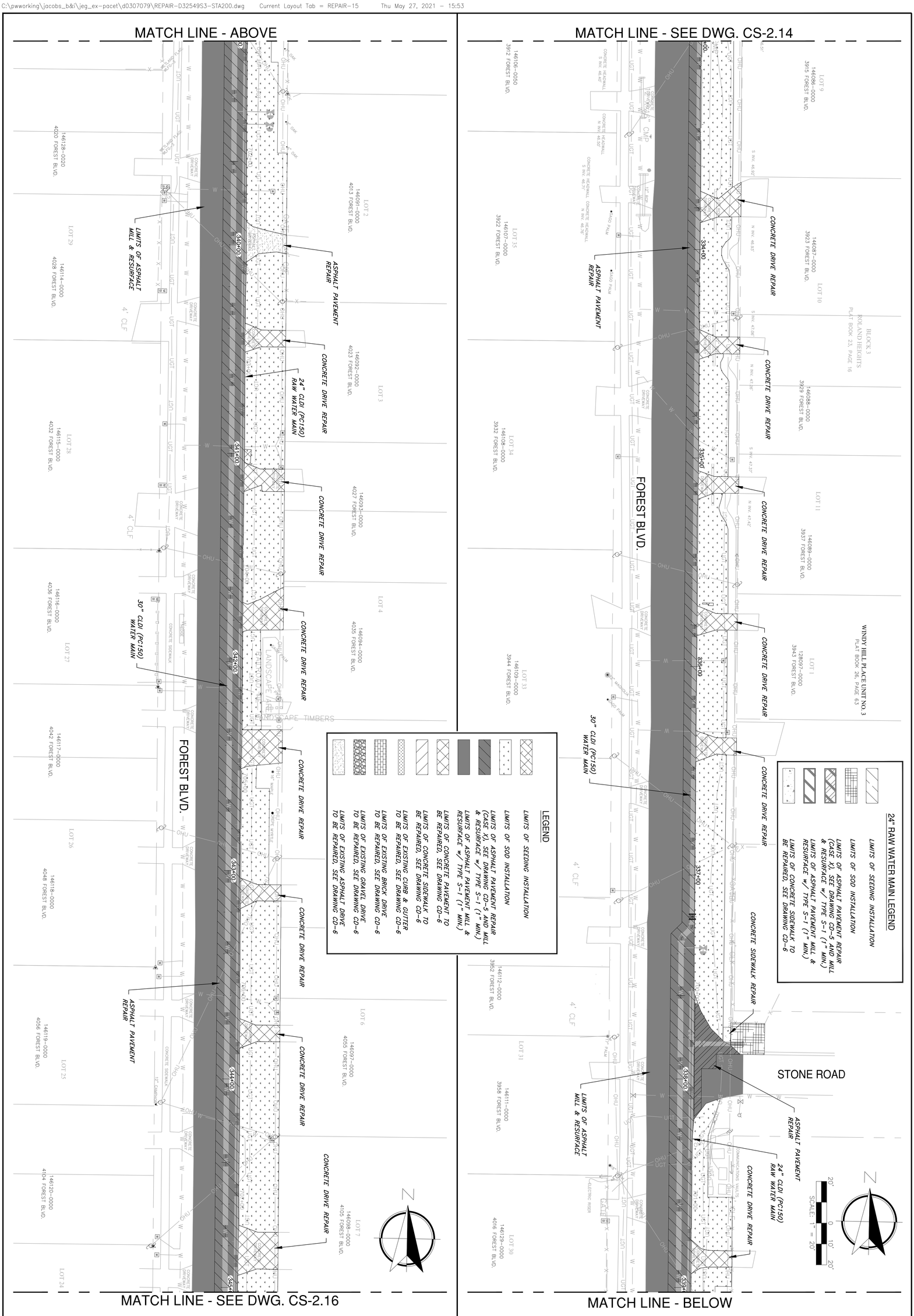

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 15	JEA Building Community	DESIGNER: CNM	DESIGN ENGINEER
SHEET NO. 49	DATE: MAY 2021			DRAWN BY: BTP	
DRAWING NO. CS-2.15	SCALE: AS SHOWN			DATE: MAY 2021	FLORIDA REGISTRATION NO.
				CHECKED BY: FEG	
				DATE: MAY 2021	

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

MATCH LINE - SEE DWG. CS-2.15

BLOCK 4
ROLAND HEIGHTS
PLAT BOOK 23, PAGE 16

LOT 8 — 146099-0000 — 4115 FOREST BLVD.
LOT 9 — 146100-0000 — 4123 FOREST BLVD.
LOT 10 — 146101-0000 — 4131 FOREST BLVD.
LOT 11 — 146102-0000 — 4139 FOREST BLVD.
LOT 12 — 146103-0000 — 4147 FOREST BLVD.
146104-0000 — 4161 FOREST BLVD.

CONCRETE DRIVE REPAIR
ASPHALT DRIVE REPAIR
CONCRETE DRIVE REPAIR
CONCRETE DRIVE REPAIR
24" CLDI (PC150) RAW WATER MAIN
CONCRETE DRIVE REPAIR
CONCRETE DRIVE REPAIR
CONCRETE DRIVE REPAIR

346+00 347+00 348+00 349+00 350+00 351+00

FOREST BLVD.

LIMITS OF ASPHALT MILL & RESURFACE
30" CLDI (PC150) WATER MAIN
ASPHALT PAVEMENT REPAIR

LOT 23 — 146128-0000 — 4118 FOREST BLVD.
146121-0000 — 4110 FOREST BLVD.
LOT 22 — 146123-0000 — 4128 FOREST BLVD.
BLOCK 5
LOT 20 — 146127-0000 — 4160 FOREST BLVD.
LOT 19 — 146127-0000 — 4160 FOREST BLVD.

DOBELL ROAD

MATCH LINE - BELOW

SCALE: 1" = 20'

LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

24" RAW WATER MAIN LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6

DOBELL ROAD

MATCH LINE - ABOVE

LOT 3 — 146266-0000 — 4225 FOREST BLVD.
146265-0000 — 4233 FOREST BLVD.
146267-0025 — 4241 FOREST BLVD.
LOT 5 — 146268-0010 — 4247 FOREST BLVD.
LOT 6 — 146268-0100 — 4253 FOREST BLVD.

CONCRETE DRIVE REPAIR
CONCRETE DRIVE REPAIR
CONCRETE DRIVE REPAIR
CONCRETE DRIVE REPAIR
CONCRETE DRIVE REPAIR
BRICK DRIVE REPAIR
24" CLDI (PC150) RAW WATER MAIN
CONCRETE DRIVE REPAIR
ASPHALT PAVEMENT REPAIR

352+00 353+00 354+00 355+00 356+00 357+00

FOREST BLVD.

ASPHALT PAVEMENT REPAIR
30" CLDI (PC150) WATER MAIN
LIMITS OF ASPHALT MILL & RESURFACE

LOT 1

MATCH LINE - SEE DWG. CS-2.17

SCALE: 1" = 20'

Jacobs
200 WEST FORSYTH STREET, SUITE 200
JACKSONVILLE, FL. 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
6.			
5.			
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 443-9615
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 16

JEA PROJ NO.: 8004887
PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

NO. SHEETS	112
SHEET NO.	50
DRAWING NO.	CS-2.16

PROJ. NO.	D325493
DATE:	MAY 2021
SCALE:	AS SHOWN

C:\pwworking\jacobs_b&i\jeg_ex-pace1\d0307079\REPAIR-D325493-STA200.dwg Current Layout Tab = REPAIR-16 Thu May 27, 2021 — 15:54

Xrefs Attached: X-D325493-Border [\\d0307079\X-D325493-Border.dwg]
X-D325493-Cover [\\d0307079\X-D325493-Cover.dwg]
X-D325493-1-Sheet [\\d0307079\X-D325493-1-Sheet.dwg]
X-D325493-2-Sheet [\\d0307079\X-D325493-2-Sheet.dwg]
X-D325493-3-Sheet [\\d0307079\X-D325493-3-Sheet.dwg]
X-D325493-C-STA00 [\\d0307079\X-D325493-C-STA00.dwg]
X-D325493-C-STA200 [\\d0307079\X-D325493-C-STA200.dwg]
X-D325493-C-STA400 [\\d0307079\X-D325493-C-STA400.dwg]
DW-D325493-STA00 [\\d0307079\DW-D325493-STA00.dwg]
DW-D325493-STA200 [\\d0307079\DW-D325493-STA200.dwg]

Jacobs
200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1551 www.cesinc.com
Business Number CA 27598

NO.	BY	DATE	REVISIONS
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DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 17

NO. SHEETS	112	PROJ. NO.	D3254953
SHEET NO.	51	DATE:	MAY 2021
DRAWING NO.	CS-2.17	SCALE:	AS SHOWN

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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X-D3254953-Demo= [\\JEGX0065\X-D3254953-Demo.dwg]
X-D3254953-Survey= [\\JEGX0065\X-D3254953-Survey.dwg]
X-D3254953-C-STA200_10= [\\JEGX0065\X-D3254953-C-STA200_10.dwg]
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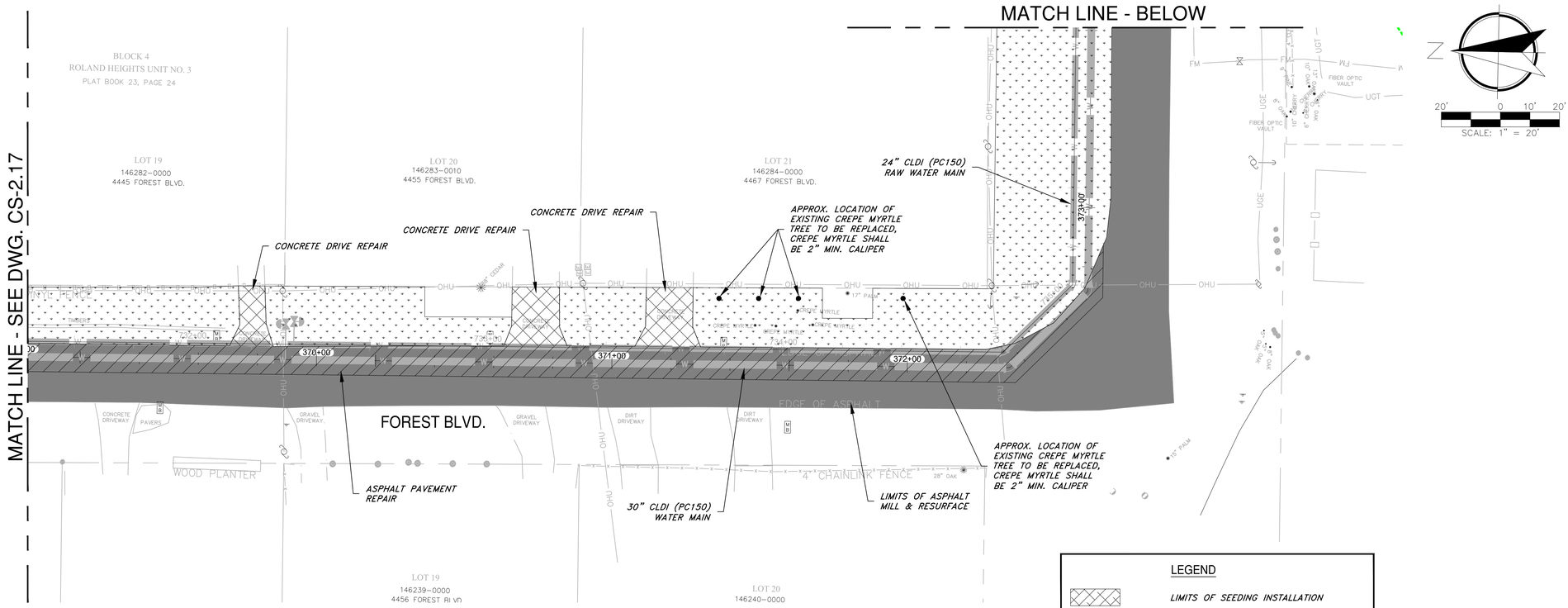
X-D3254953-STA200= [\\JEGX0065\X-D3254953-STA200.dwg]
BM-D3254953-STA200= [\\JEGX0079\BM-D3254953-STA200.dwg]

MATCH LINE - BELOW

MATCH LINE - SEE DWG. CS-2.17



LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

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200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 448-1551 (800) 342-3353
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

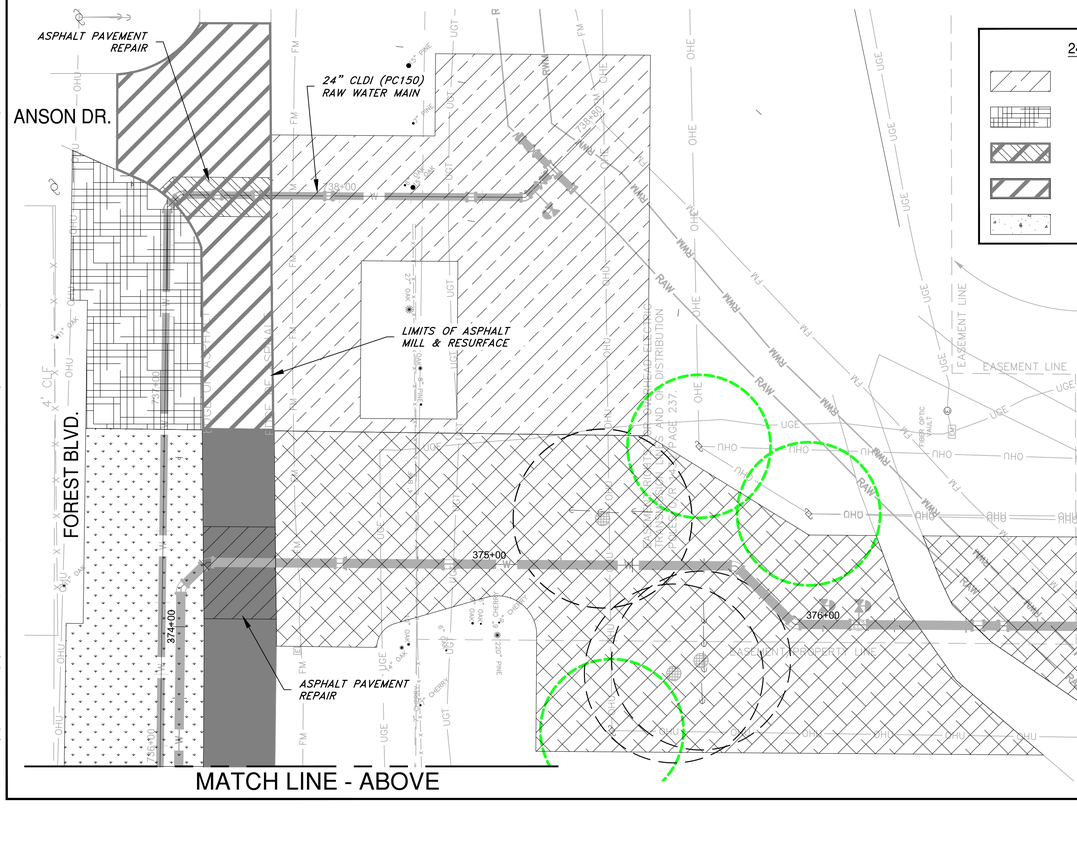
JEA
Building Community

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 18

JEA PROJ NO.: 8004887

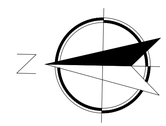
PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

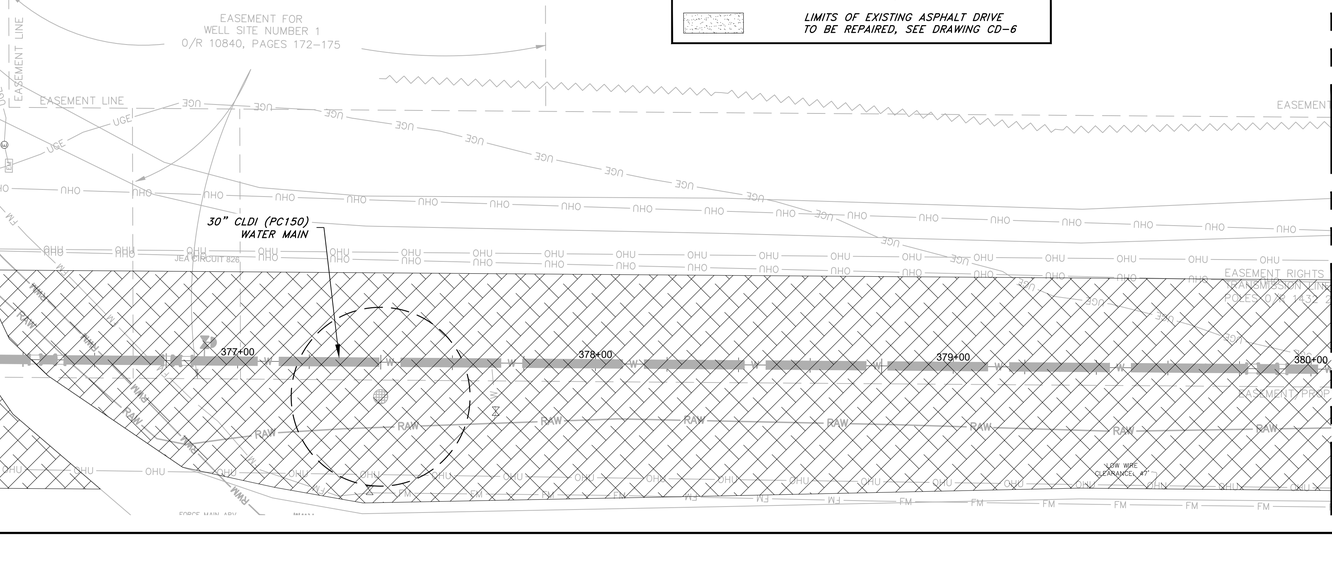
NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
52		
DRAWING NO.		
CS-2.18		



24" RAW WATER MAIN LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6





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X-D3254953-Overwood CB1 [\\JEA\Projects\D3254953-Overwood-CB1.dwg]
X-D3254953-Overwood CB2 [\\JEA\Projects\D3254953-Overwood-CB2.dwg]
X-D3254953-C-STA200 [\\JEA\Projects\D3254953-C-STA200.dwg]
X-D3254953-C-STA200_1 [\\JEA\Projects\D3254953-C-STA200_1.dwg]
X-D3254953-C-STA200_2 [\\JEA\Projects\D3254953-C-STA200_2.dwg]
ERR-D3254953-STA200 [\\JEA\Projects\D3254953-STA200.err]

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
X-D32549S1-V-Overwood [.\d0228456\X-D32549S1-V-Overwood.dwg]
X-D32549S1-V-Overwood-DEG [.\d0268433\X-D32549S1-V-Overwood-DEG.dwg]
X-D32549S3-T-Overwood [.\d0228456\X-D32549S3-T-Overwood.dwg]
X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]
ERD-D32549S3-STA200 [.\d0307079\ERD-D32549S3-STA200.dwg]

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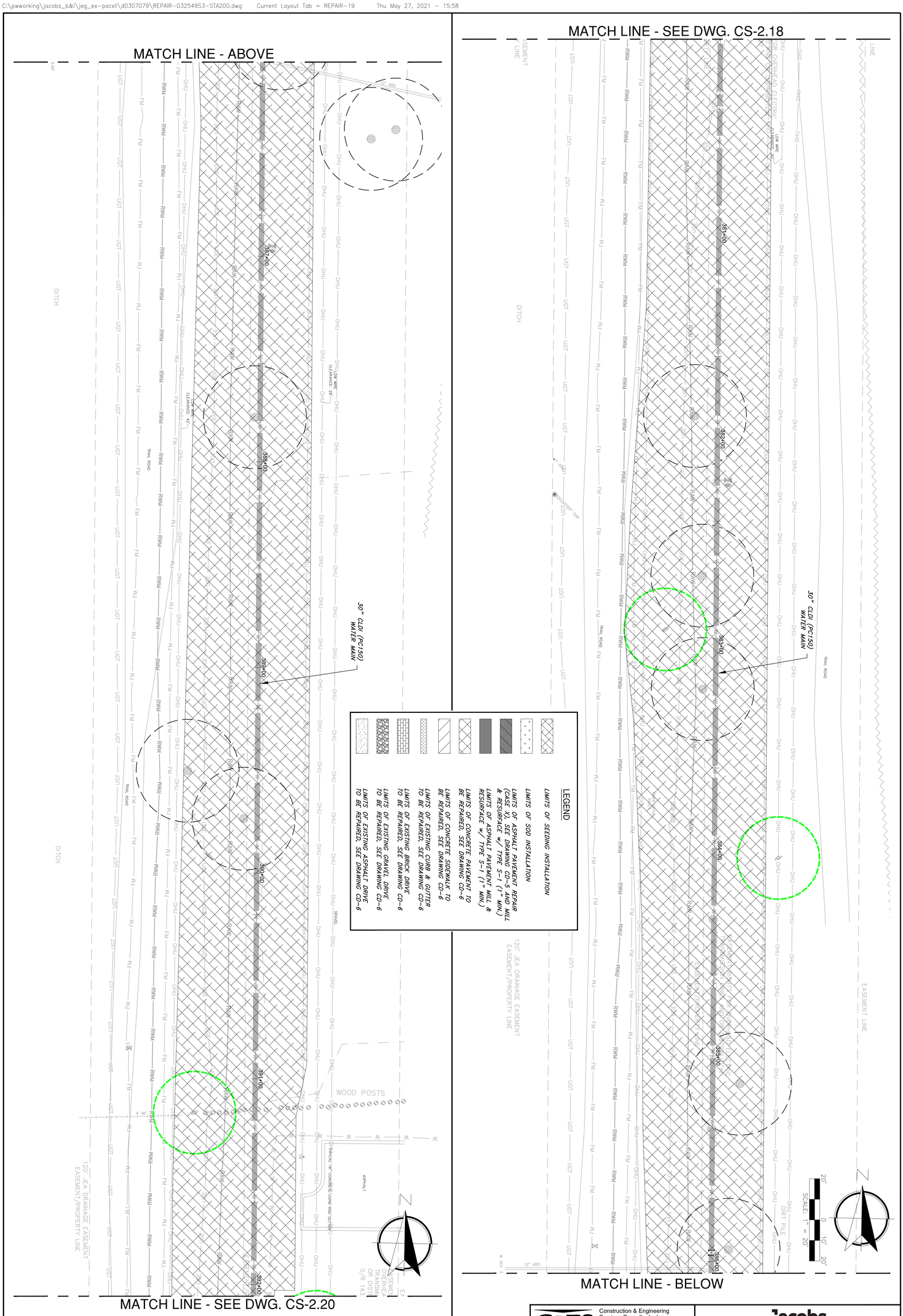

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 19	JEA Building Community	DESIGNER: CNM	DESIGN ENGINEER	NO.	BY	DATE	REVISIONS
SHEET NO. 53	DATE: MAY 2021			DRAWN BY: BTP		6.			
DRAWING NO. CS-2.19	SCALE: AS SHOWN			DATE: MAY 2021		5.			
				CHECKED BY: FEG	FLORIDA REGISTRATION NO.	4.			
				DATE: MAY 2021		3.			
						2.			
						1.			

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
X-D32549S1-V-Overwood [.\d0228456\X-D32549S1-V-Overwood.dwg]
X-D32549S1-V-Overwood-DEG [.\d0284953\X-D32549S1-V-Overwood-DEG.dwg]
X-D32549S1-T-Overwood [.\d0228456\X-D32549S1-T-Overwood.dwg]
X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]
ERO-D32549S3-STA200 [.\d0307079\ERO-D32549S3-STA200.dwg]

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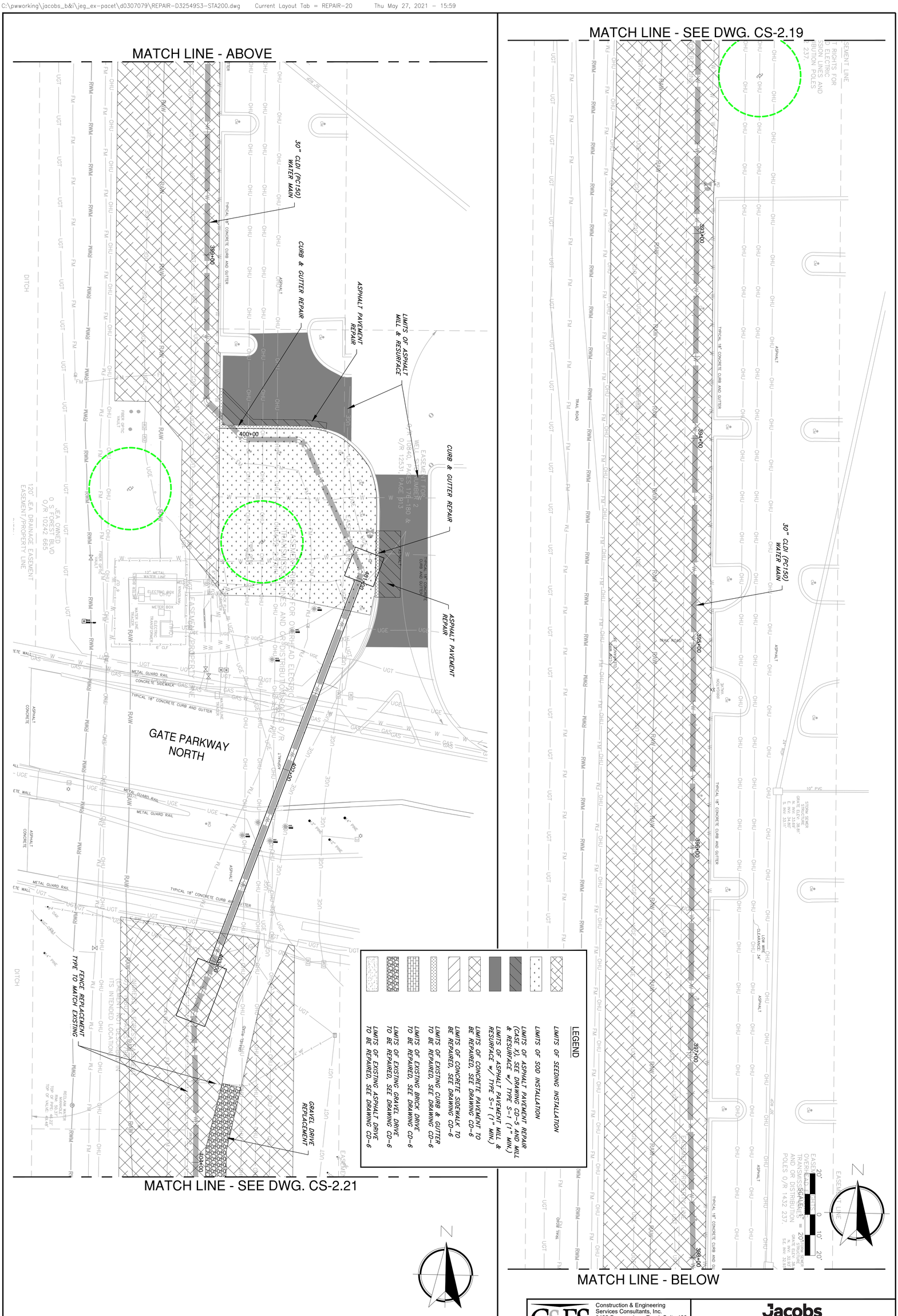

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP	JEA Building Community	DESIGNER: CNM	DESIGN ENGINEER	NO.	BY	DATE	REVISIONS
SHEET NO. 54	DATE: MAY 2021	SIPS WATER MAIN AND RAW WATER MAIN		DRAWN BY: BTP		6.			
DRAWING NO. CS-2.20	SCALE: AS SHOWN	PAVEMENT REPAIR & RESURFACING PLAN 20		DATE: MAY 2021	FLORIDA REGISTRATION NO.	5.			
				CHECKED BY: FEG		4.			
				DATE: MAY 2021		3.			
						2.			
						1.			

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
X-D32549S3-T-Overwood [.\d0298458\X-D32549S3-T-Overwood.dwg]
X-D32549S3-C-STA300-400 [.\d0298456\X-D32549S3-C-STA300-400.dwg]
X-D32549S3-C-STA000 [.\d0298454\X-D32549S3-C-STA000.dwg]
X-D32549S3-C-STA600 [.\d0298454\X-D32549S3-C-STA600.dwg]
X-D32549S1-V-Overwood-REH [.\d0268934\X-D32549S1-V-Overwood-REH.dwg]
X-D32549S1-S-Overwood [.\d0298458\X-D32549S1-S-Overwood.dwg]
X-D32549S1-V-Overwood-DEG [.\d0268935\X-D32549S1-V-Overwood-DEG.dwg]
ERD-D32549S3-STA400 [.\d0307079\ERD-D32549S3-STA400.dwg]

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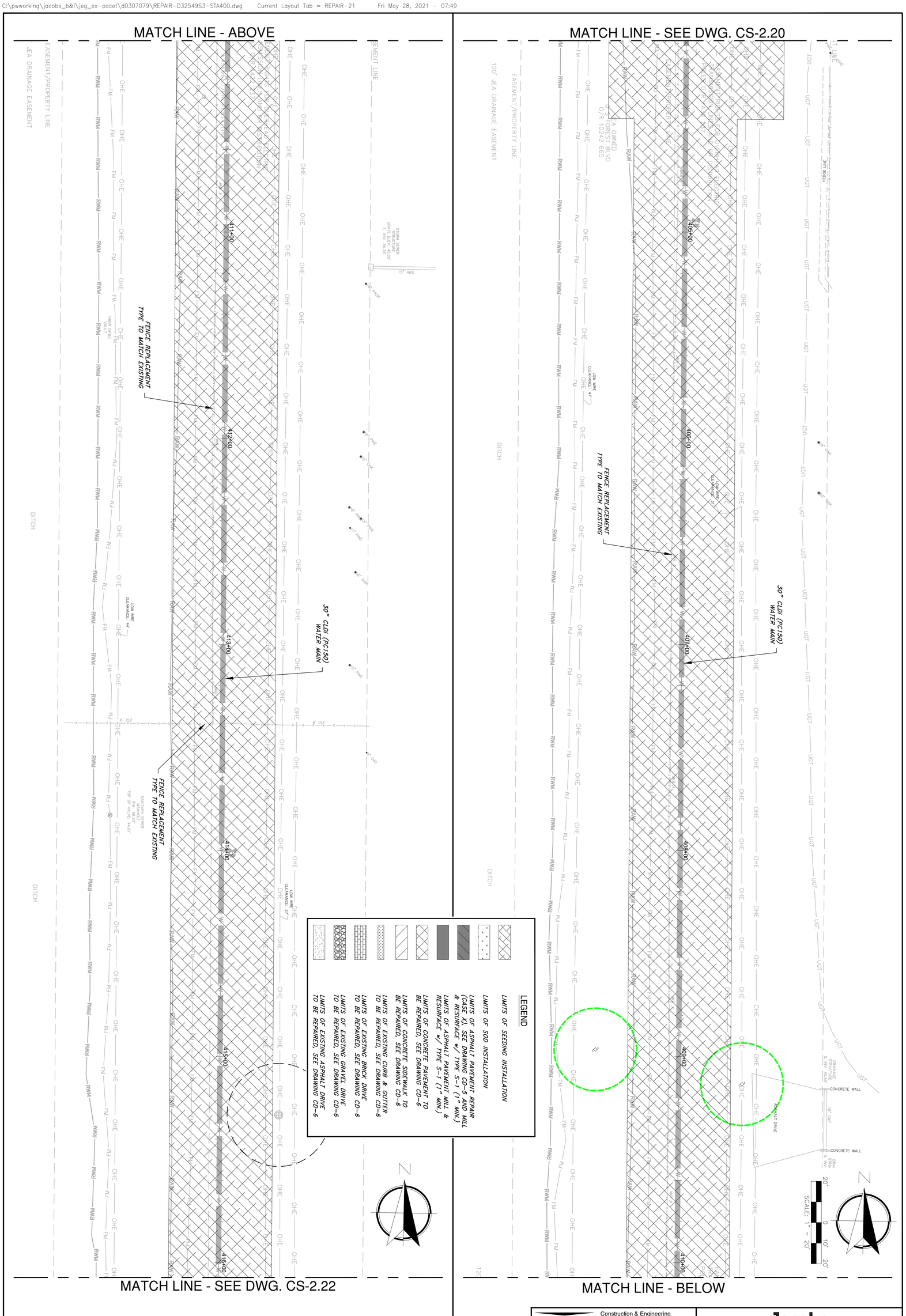

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 21	JEA Building Community	DESIGNER: CNM	DESIGN ENGINEER	NO.	BY	DATE	REVISIONS
SHEET NO. 55	DATE: MAY 2021			DRAWN BY: BTP		6.			
DRAWING NO. CS-2.21	SCALE: AS SHOWN			DATE: MAY 2021		5.			
				CHECKED BY: FEG	FLORIDA REGISTRATION NO.	4.			
				DATE: MAY 2021		3.			
						2.			
						1.			

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached- X-D3254953-Border [..\d0307079\X-D3254953-Border.dwg]
X-D3254953-C-STA000 [..\d0307079\X-D3254953-C-STA000.dwg]
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X-D3254953-C-STA000 [..\d0289436\X-D3254953-C-STA000.dwg]
X-D3254953-C-STA000 [..\d0289436\X-D3254953-C-STA000.dwg]
X-D3254951-V-Deerwood-REM [..\d0269435\X-D3254951-V-Deerwood-REM.dwg]
X-D3254951-S-Deerwood [..\d0269435\X-D3254951-S-Deerwood.dwg]
X-D3254951-V-Deerwood-DEC [..\d0269435\X-D3254951-V-Deerwood-DEC.dwg]
ENG-D3254953-STA400 [..\d0307079\ENG-D3254953-STA400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.21

MATCH LINE - SEE DWG. CS-2.23

MATCH LINE - BELOW

30" CLDI (PC150) WATER MAIN

36" HDPE DR18 WATER MAIN

LEGEND

LIMITS OF SOD INSTALLATION

LIMITS OF SEEDING INSTALLATION

LIMITS OF ASPHALT PAVEMENT REPAIR (CASE 2), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

J TURNER BUTLER BLVD.

SCALE: 1" = 20'

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 22	JEA Building Community sm
SHEET NO. 56	DATE: MAY 2021		
DRAWING NO. CS-2.22	SCALE: AS SHOWN		

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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3.			
2.			
1.			

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached- X-03254953-Border [..\d0307079\X-03254953-Border.dwg]
X-03254953-C-STA000 [..\d0307079\X-03254953-C-STA000.dwg]
X-03254953-C-STA200-400 [..\d0307079\X-03254953-C-STA200-400.dwg]
X-03254953-C-STA500 [..\d0289456\X-03254953-C-STA500.dwg]
X-03254953-C-STA600 [..\d0289456\X-03254953-C-STA600.dwg]
X-03254951-V-Deerwood-REM [..\d0269435\X-03254951-V-Deerwood-REM.dwg]
X-03254951-S-Deerwood [..\d0269459\X-03254951-S-Deerwood.dwg]
X-03254951-V-Deerwood-DEC [..\d0269435\X-03254951-V-Deerwood-DEC.dwg]
ERD-03254953-STA400 [..\d0307079\ERD-03254953-STA400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.22

J TURNER BUTLER BLVD.

DEERWOOD PARK BLVD.

30" CLDI (PC150) WATER MAIN

36" HDPE DR18 WATER MAIN

CURB & GUTTER REPAIR

LIMITS OF ASPHALT MILL & RESURFACE

ASPHALT PAVEMENT REPAIR

LEGEND

LIMITS OF SEEDING INSTALLATION

LIMITS OF SOD INSTALLATION

LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6

MATCH LINE - SEE DWG. CS-2.24

MATCH LINE - BELOW

SCALE: 1" = 20'

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Jacksonville, FL 32256
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Business Number CA 27598

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SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO. SHEETS	112
SHEET NO.	57
DRAWING NO.	CS-2.23
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 23

JEA Building Community sm

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

NO.	BY	DATE	REVISIONS
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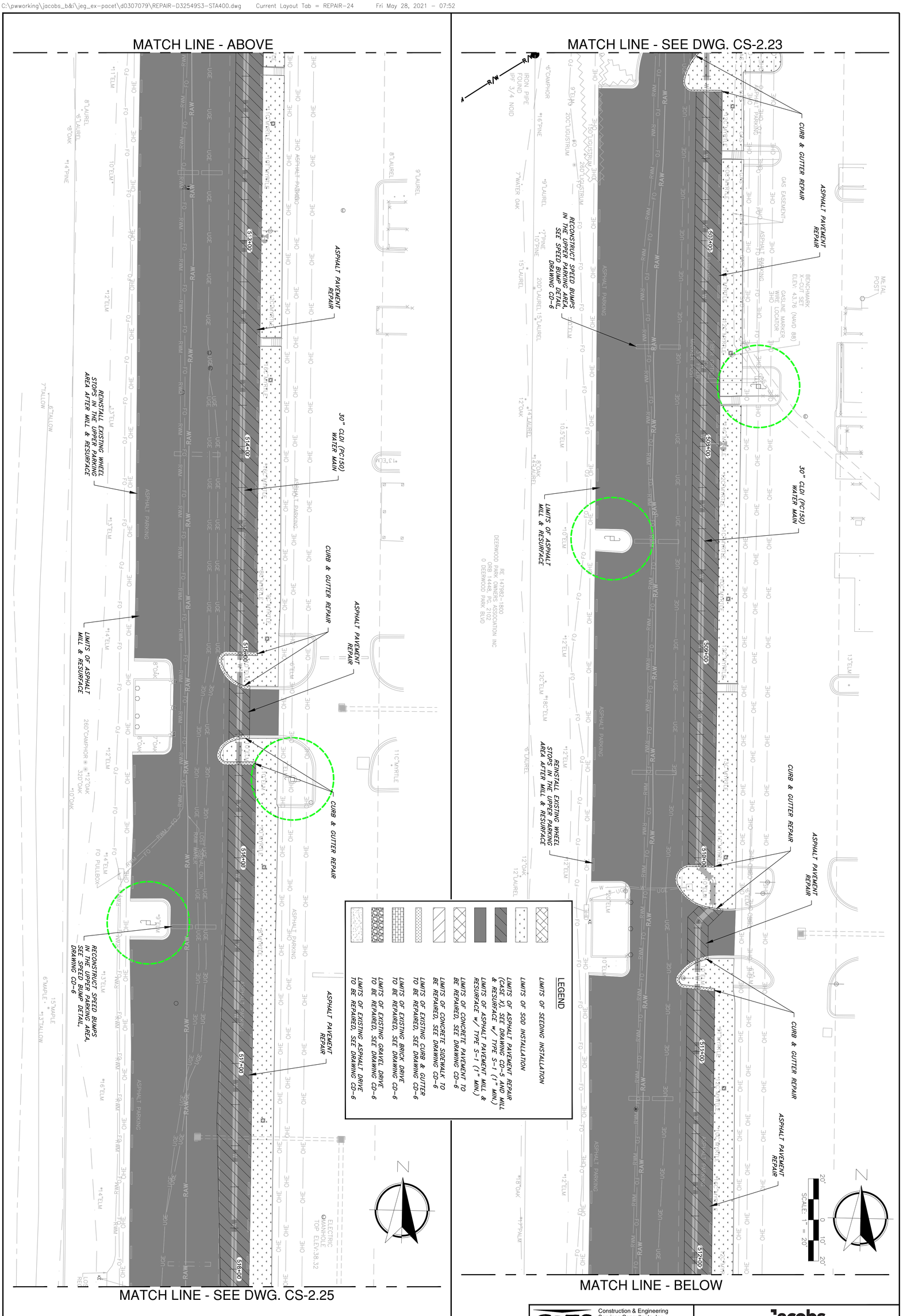
JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307079\X-D32549S3-Border.dwg]
X-D32549S3-I-Deerwood [.\d0228456\X-D32549S3-I-Deerwood.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]
X-D32549S3-C-STA500 [.\d0228456\X-D32549S3-C-STA500.dwg]
X-D32549S3-C-STA600 [.\d0228456\X-D32549S3-C-STA600.dwg]
X-D32549S1-V-Deerwood-REM [.\d0264934\X-D32549S1-V-Deerwood-REM.dwg]
X-D32549S1-S-Deerwood [.\d0228456\X-D32549S1-S-Deerwood.dwg]
X-D32549S1-V-Deerwood-DEG [.\d0264933\X-D32549S1-V-Deerwood-DEG.dwg]
ERD-D32549S3-STA400 [.\d0307079\ERD-D32549S3-STA400.dwg]

C:\pwworking\jacobs_b&i\jeg_ex-pacet\d0307079\REPAIR-D32549S3-STA400.dwg Current Layout Tab = REPAIR-24 Fri May 28, 2021 - 07:52



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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

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200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 24	JEA Building Community	DESIGNER: CNM	DESIGN ENGINEER
SHEET NO. 58	DATE: MAY 2021			DRAWN BY: BTP	
DRAWING NO. CS-2.24	SCALE: AS SHOWN			DATE: MAY 2021	FLORIDA REGISTRATION NO.
				CHECKED BY: FEG	
				DATE: MAY 2021	

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached- X-D3254953-Border [..\d0307079\X-D3254953-Border.dwg]
X-D3254953-C-STA000 [..\d0307079\X-D3254953-C-STA000.dwg]
X-D3254953-C-STA000-REF [..\d0307079\X-D3254953-C-STA000-REF.dwg]
X-D3254953-C-STA000 [..\d0284634\X-D3254953-C-STA000.dwg]
X-D3254953-C-STA000 [..\d0284634\X-D3254953-C-STA000.dwg]
X-D3254951-V-Deerwood-REM [..\d0284634\X-D3254951-V-Deerwood-REM.dwg]
X-D3254951-S-Deerwood [..\d0284958\X-D3254951-S-Deerwood.dwg]
X-D3254951-V-Deerwood-DEC [..\d0284935\X-D3254951-V-Deerwood-DEC.dwg]
ENG-D3254953-STA400 [..\d0307079\ENG-D3254953-STA400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.24

MATCH LINE - SEE DWG. CS-2.30

MATCH LINE - SEE DWG. CS-2.26

MATCH LINE - BELOW

30" CLDI (PC150) WATER MAIN

ASPHALT PAVEMENT REPAIR

REINSTALL EXISTING WHEEL STOPS IN THE UPPER PARKING AREA AFTER MILL & RESURFACE

LIMITS OF ASPHALT MILL & RESURFACE

CURB & GUTTER REPAIR

SOD DITCH BANKS IMMEDIATELY FOLLOWING PIPE INSTALLATION; INCLUDING ALL DISTURBED AREAS

LEGEND

LIMITS OF SEEDING INSTALLATION

LIMITS OF SOD INSTALLATION

LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5, AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

SCALE: 1" = 20'

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 25	
SHEET NO. 59	DATE: MAY 2021		
DRAWING NO. CS-2.25	SCALE: AS SHOWN		

JEA Building Community sm

DESIGNER:	CNM	DESIGN ENGINEER
DRAWN BY:	BTP	
DATE:	MAY 2021	
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.
DATE:	MAY 2021	

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

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SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached- X-03254953-Border [..\d03070891\X-03254953-Border.dwg]
X-03254953-C-STA400 [..\d03070891\X-03254953-C-STA400.dwg]
X-03254953-C-STA300-400 [..\d02284561\X-03254953-C-STA300-400.dwg]
X-03254953-C-STA000 [..\d02284561\X-03254953-C-STA000.dwg]
X-03254953-C-STA100 [..\d02284561\X-03254953-C-STA100.dwg]
X-03254951-V-Deerwood-REM [..\d02284534\X-03254951-V-Deerwood-REM.dwg]
X-03254951-S-Deerwood [..\d02284581\X-03254951-S-Deerwood.dwg]
X-03254951-V-Deerwood-DEC [..\d02284531\X-03254951-V-Deerwood-DEC.dwg]
DRD-03254953-STA400 [..\d03070791\DRD-03254953-STA400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.25

MATCH LINE - SEE DWG. CS-2.27

MATCH LINE - BELOW

LEGEND

LIMITS OF SOD INSTALLATION

LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN)

LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

30" CLDI (PC150) WATER MAIN

SCALE: 1" = 20'

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
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JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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NO. SHEETS	112
SHEET NO.	60
DRAWING NO.	CS-2.26
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 26

JEA Building Community sm

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached- X-03254953-Border [..\d03070891\X-03254953-Border.dwg]
X-03254953-C-STA000 [..\d03070891\X-03254953-C-STA000.dwg]
X-03254953-C-STA200-400 [..\d03070891\X-03254953-C-STA200-400.dwg]
X-03254953-C-STA500 [..\d02284561\X-03254953-C-STA500.dwg]
X-03254953-C-STA600 [..\d02284561\X-03254953-C-STA600.dwg]
X-03254951-V-Deerwood-REM [..\d02284934\X-03254951-V-Deerwood-REM.dwg]
X-03254951-S-Deerwood [..\d02284958\X-03254951-S-Deerwood.dwg]
X-03254951-V-Deerwood-DEC [..\d02284937\X-03254951-V-Deerwood-DEC.dwg]
ENG-03254953-STA400 [..\d03070779\ENG-03254953-STA400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.26

MATCH LINE - SEE DWG. CS-2.28

MATCH LINE - BELOW

GRAVEL DRIVE REPLACEMENT

30" CLDI (PC-150) WATER MAIN

LEGEND

LIMITS OF SEEDING INSTALLATION

LIMITS OF SOD INSTALLATION

LIMITS OF ASPHALT PAVEMENT REPAIR (CASE 1) SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)

LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6

LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

SCALE: 1" = 20'

C&ES Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SHEET NO. 61	DATE: MAY 2021	SIPS WATER MAIN AND RAW WATER MAIN
DRAWING NO. CS-2.27	SCALE: AS SHOWN	PAVEMENT REPAIR & RESURFACING PLAN 27

JEA Building Community sm

JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached- X-D3254953-Border [..\d0307079\X-D3254953-Border.dwg]
X-D3254953-C-STA000 [..\d0307079\X-D3254953-C-STA000.dwg]
X-D3254953-C-STA000-REF [..\d0307079\X-D3254953-C-STA000-REF.dwg]
X-D3254953-C-STA000 [..\d0289436\X-D3254953-C-STA000.dwg]
X-D3254953-C-STA000 [..\d0289436\X-D3254953-C-STA000.dwg]
X-D3254951-V-Deerwood-REM [..\d0289436\X-D3254951-V-Deerwood-REM.dwg]
X-D3254951-S-Deerwood [..\d0289436\X-D3254951-S-Deerwood.dwg]
X-D3254951-V-Deerwood-DEC [..\d0289436\X-D3254951-V-Deerwood-DEC.dwg]
ERD-D3254953-STA400 [..\d0307079\ERD-D3254953-STA400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-2.27

MATCH LINE - SEE DWG. CS-2.29

MATCH LINE - BELOW

ASPHALT PAVEMENT REPAIR

30" CLDI (PC150) WATER MAIN

LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

SCALE: 1" = 20'

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Tel: (904) 652-1186
Business Number CA 27598

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SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT REPAIR & RESURFACING PLAN 28
SHEET NO. 62	DATE: MAY 2021	
DRAWING NO. CS-2.28	SCALE: AS SHOWN	

JEA Building Community sm

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

NO.	BY	DATE	REVISIONS
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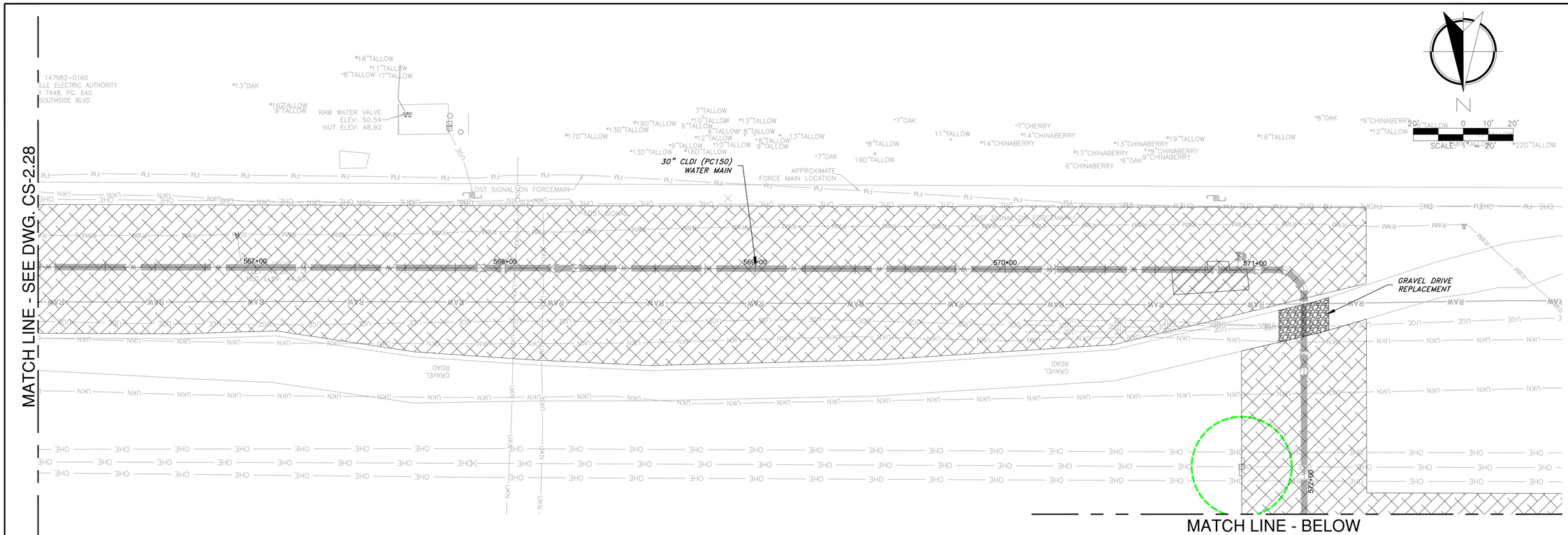
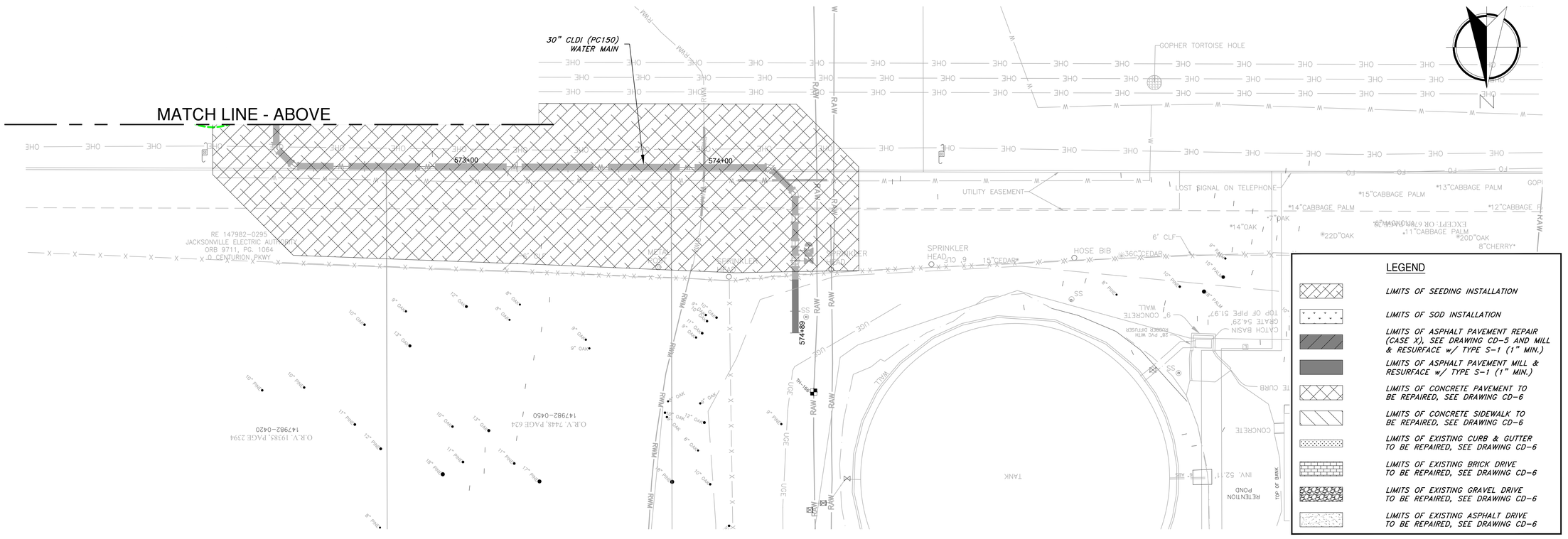
JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN





LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

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JACKSONVILLE, FL 32202
(904) 636-5432
F: (904) 636-5433
COA # 28822

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

JEA Building Community

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 29

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

JEA PROJ NO.: 8004887

PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS 112
SHEET NO. 63
DRAWING NO. CS-2.29

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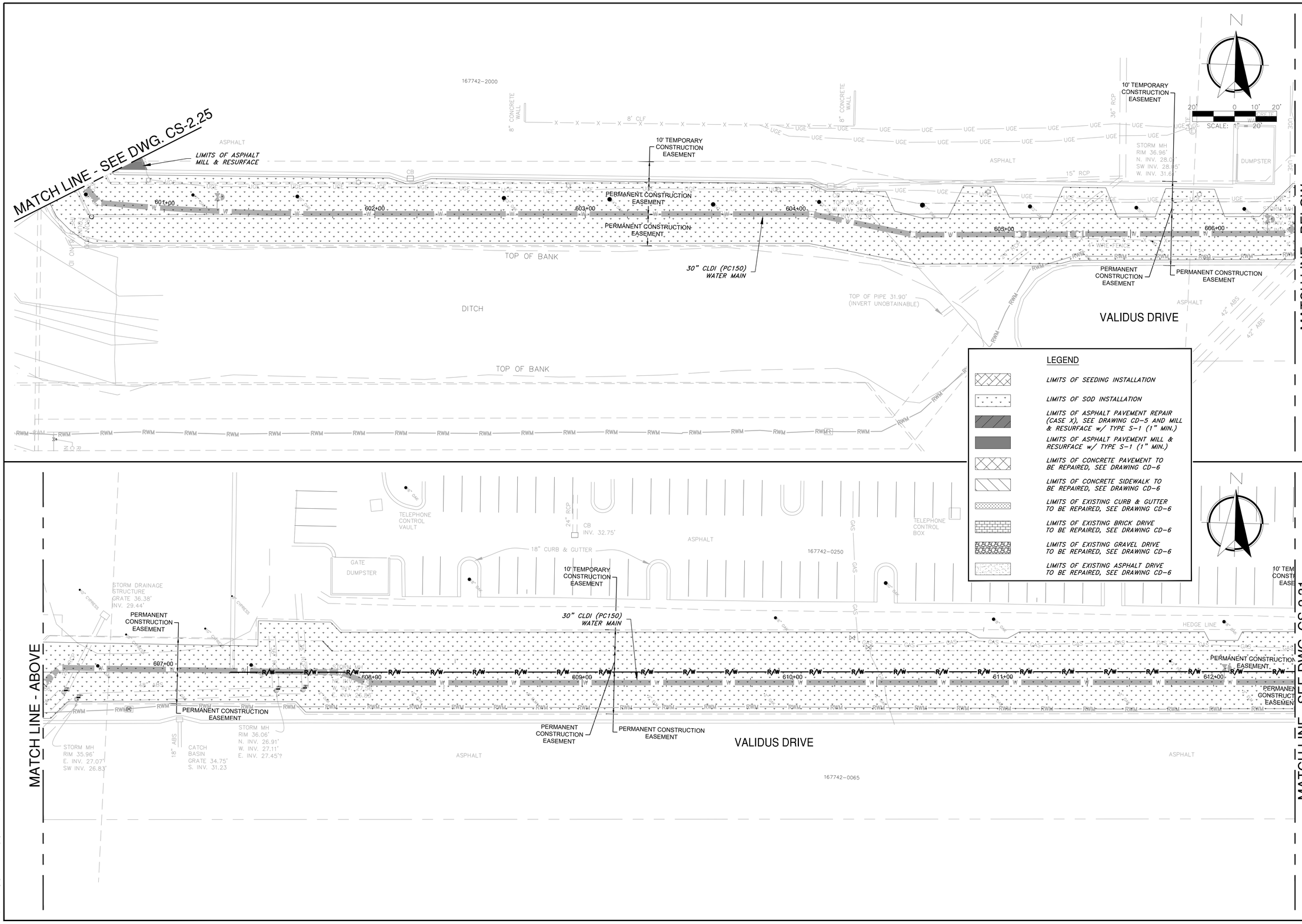

Jacobs
200 WEST FORSYTH STREET, SUITE 1700
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 683-3501
Business Number CA 27598

C&ES

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER
FLORIDA REGISTRATION NO.

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 30

JEA PROJ NO.: 8004887
PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

NO. SHEETS	112
SHEET NO.	64
DRAWING NO.	CS-2.30

PROJ. NO.	D3254953
DATE:	MAY 2021
SCALE:	AS SHOWN

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Xref: Attached> X-D3254953-Border [\d0307080\X-D3254953-Border.dwg]
X-D3254953-C-STA400 [\d0307080\X-D3254953-C-STA400.dwg]
X-D3254953-C-STA300-400 [\d0307080\X-D3254953-C-STA300-400.dwg]
X-D3254953-C-STA300 [\d0307080\X-D3254953-C-STA300.dwg]
X-D3254953-C-STA600 [\d0307080\X-D3254953-C-STA600.dwg]
X-D3254953-C-Sheet Index [\d0307080\X-D3254953-C-Sheet Index.dwg]
X-D3254953-C-Sheet List [\d0307080\X-D3254953-C-Sheet List.dwg]
X-D3254953-C-Sheet Index-REPAIR [\d0307080\X-D3254953-C-Sheet Index-REPAIR.dwg]
X-D3254953-C-Sheet List-REPAIR [\d0307080\X-D3254953-C-Sheet List-REPAIR.dwg]
X-D3254953-C-Sheet Index-SEC [\d0307080\X-D3254953-C-Sheet Index-SEC.dwg]
DWG-D3254953-STA400 [\d0307079\DWG-D3254953-STA400.dwg]

MATCH LINE - SEE DWG. CS-2.30

18" CURB & GUTTER

10' TEMPORARY CONSTRUCTION EASEMENT

24"X36" ERCP

CB
N. INV. 30.77'
S. INV. 30.88'

GATE

DUMPSTER

24"X16" ERCP

30" CLDI (PC150) WATER MAIN

CB
INV. 32.48'

TELEPHONE CONTROL VAULT

ATT CONTROL BOX

ASPHALT

PERMANENT CONSTRUCTION EASEMENT

HEDGE LINE

WELL PUMP CONCRETE

R/W

613+00

614+00

615+00

616+00

617+00

618+00

VALIDUS DRIVE

ASPHALT

18" ABS

CATCH BASIN
GRATE 35.24'
S. INV. 32.23

MATCH LINE - BELOW

N

SCALE: 1" = 20'

LEGEND

- LIMITS OF SEEDING INSTALLATION
- LIMITS OF SOD INSTALLATION
- LIMITS OF ASPHALT PAVEMENT REPAIR (CASE X), SEE DRAWING CD-5 AND MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF ASPHALT PAVEMENT MILL & RESURFACE w/ TYPE S-1 (1" MIN.)
- LIMITS OF CONCRETE PAVEMENT TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF CONCRETE SIDEWALK TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING CURB & GUTTER TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING BRICK DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING GRAVEL DRIVE TO BE REPAIRED, SEE DRAWING CD-6
- LIMITS OF EXISTING ASPHALT DRIVE TO BE REPAIRED, SEE DRAWING CD-6

CURB & GUTTER REPAIR

ASPHALT PAVEMENT REPAIR

LIMITS OF ASPHALT MILL & RESURFACE

620+00

621+00

622+00

623+00

623+60

BURNT MILL ROAD

30" CLDI (PC150) WATER MAIN

ASPHALT PAVEMENT REPAIR

LIMITS OF ASPHALT MILL & RESURFACE

CURB & GUTTER REPAIR

STORM SEWER CATCH BASIN
GRATE: 34.60'
N. INV.: 31.39'
S. INV.: 31.53'

6" PVC

18" PVC (PER ASBUILT SURVEY BY OTHERS)

24" PVC (PER ASBUILT SURVEY BY OTHERS)

SANITARY SEWER MH
N.: 37.46'
INV.: 15.67'
S.: 35.59'
INV.: 15.67'

SANITARY SEWER MH
RIM: 36.66'
N. INV.: 14.27'

CONCRETE SIDEWALK

CURB & GUTTER

ASBUILT SURVEY BY OTHERS)

MATCH LINE - ABOVE

VALIDUS DRIVE

JM-190

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JACKSONVILLE, FL 32202
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F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 683-3301
Business Number CA 27598

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

JEA Building Community

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT REPAIR & RESURFACING PLAN 31

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

PROJ. NO.	D3254953
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS	112
SHEET NO.	65
DRAWING NO.	CS-2.31

C:\powerworking\jacobs_b&i\jeg_ex-pacet\d0307079\REPAIR-D3254953-STA400.dwg Current Layout Tab = REPAIR-31 Fri, May 28, 2021 - 08:01

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X-D3254953-C-Base [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\D3254953-C-Base.dwg]
X-D3254953-C-STA000-400 [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\STA000-400.dwg]
X-D3254953-C-STA400 [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\STA400.dwg]
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X-D3254953-C-Shared-Plan [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\Shared-Plan.dwg]
X-D3254953-C-Shared-RDH [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\Shared-RDH.dwg]
X-D3254953-C-Shared-SD [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\Shared-SD.dwg]
X-D3254953-C-Shared-ST [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\Shared-ST.dwg]
X-D3254953-C-Shared-Sheet [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\Shared-Sheet.dwg]
DW-D3254953-STA400 [\\JAXSTORAGE\JEGIS\Projects\D3254953\C\STA400.dwg]

Xrefs Attached= X-03254953-Border [..\d03070851\X-03254953-Border.dwg]
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X-03254953-C-STA100 [..\d02284561\X-03254953-C-STA100.dwg]
X-03254953-I-Overwood [..\d02284561\X-03254953-I-Overwood.dwg]
X-03254953-C-STA200 [..\d02284561\X-03254953-C-STA200.dwg]

DOOLITTLE ROAD

24" WHITE

HILLTOP BLVD.

SOUTHSIDE BLVD.

6" SOLID DOUBLE YELLOW w/ I/T RPM's AT 40'

BRADLEY ROAD

30" CUDI (PC-150) WATER MAIN

HILLTOP BLVD.

LAKE DRIVE

BRADLEY ROAD

HILLTOP BLVD.

CUNNINGHAM ROAD

HILLTOP BLVD.

LAKE DRIVE

FRASER ROAD

SCALE: 1" = 20'

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 1	JEA Building Community sm
SHEET NO. 66	DATE: MAY 2021		
DRAWING NO. CS-3.01	SCALE: AS SHOWN		

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-03254953-Border [..\d03070851\X-03254953-Border.dwg]
X-03254953-Overwood [..\d03070851\X-03254953-Overwood.dwg]
X-03254953-V-Overwood [..\d02284561\X-03254953-V-Overwood-DEG.dwg]
X-03254953-C-STA100 [..\d02284561\X-03254953-C-STA100.dwg]
X-03254953-T-Overwood [..\d02284561\X-03254953-T-Overwood.dwg]
X-03254953-C-STA200 [..\d02284561\X-03254953-C-STA200.dwg]

MATCH LINE - ABOVE

6" SOLID WHITE

6" SOLID DOUBLE YELLOW w/ 1'/1' RPM's AT 40'

24" WHITE

STOP SIGN

BROKEN ASPHALT

FRASER ROAD

154+00

155+00

156+00

157+00

158+00

159+00

160+00

FOREST BLVD.

30" CLDI (PC-150) WATER MAIN

EDGE OF ASPHALT

LOT 1

123464-0000
2135 FOREST BOULEVARD

123525-0000
2205 FOREST BOULEVARD

123526-0010
2225 FOREST BOULEVARD

123526-0050
2231 FOREST BOULEVARD

123527-0010
2235 FOREST BOULEVARD

LOT 2

LOT 3

123537-0000
10006 FRASER ROAD

MATCH LINE - SEE DWG. CS-3.03

PEACH DRIVE

150+00

151+00

152+00

153+00

123517-0000
2144 PEACH DRIVE

LOT 13

123467-0100
2145 PEACH DRIVE

123467-0000
2136 FOREST BLVD

LOT 38

10000 FRASER ROAD
123558-0000

MATCH LINE - BELOW

SCALE: 1" = 20'

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Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
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SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO. SHEETS	112
SHEET NO.	67
DRAWING NO.	CS-3.02
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT MARKING PLAN 2

JEA Building Community sm

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D3254953-Border [..\d03070851\X-D3254953-Border.dwg]
X-D3254953-V-Overwood [..\d03070851\X-D3254953-V-Overwood.dwg]
X-D3254953-V-Overwood [..\d02284561\X-D3254953-V-Overwood-DEG.dwg]
X-D3254953-C-STA100 [..\d02284561\X-D3254953-C-STA100.dwg]
X-D3254953-T-Overwood [..\d02284561\X-D3254953-T-Overwood.dwg]
X-D3254953-C-STA200 [..\d02284561\X-D3254953-C-STA200.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-3.02

MATCH LINE - SEE DWG. CS-3.04

MATCH LINE - BELOW

FOREST BLVD.

6" SOLID WHITE

6" SOLID DOUBLE YELLOW w/ 1'-1" RPMs AT 40'

30" CLDI (PC150) WATER MAIN

EDGE OF ASPHALT

GATE

CONCRETE DRIVE

GRAVEL DRIVE

ASPHALT DRIVE

4' CLF

OHU

RHO

W

SCALE: 1" = 20'

20' 0 10' 20'

N

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9432 Baymeadows Road, Suite 100
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Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO. SHEETS	PROJ. NO.	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 3
112	D32549S3	
SHEET NO. 68	DATE: MAY 2021	
DRAWING NO. CS-3.03	SCALE: AS SHOWN	

JEA Building Community sm

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
X-D32549S3-V-Overwood [.\d0228458\X-D32549S3-V-Overwood.dwg]
X-D32549S3-V-Overwood-DEG [.\d0228458\X-D32549S3-V-Overwood-DEG.dwg]
X-D32549S3-C-STA100 [.\d0228456\X-D32549S3-C-STA100.dwg]
X-D32549S3-T-Overwood [.\d0228458\X-D32549S3-T-Overwood.dwg]
X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]

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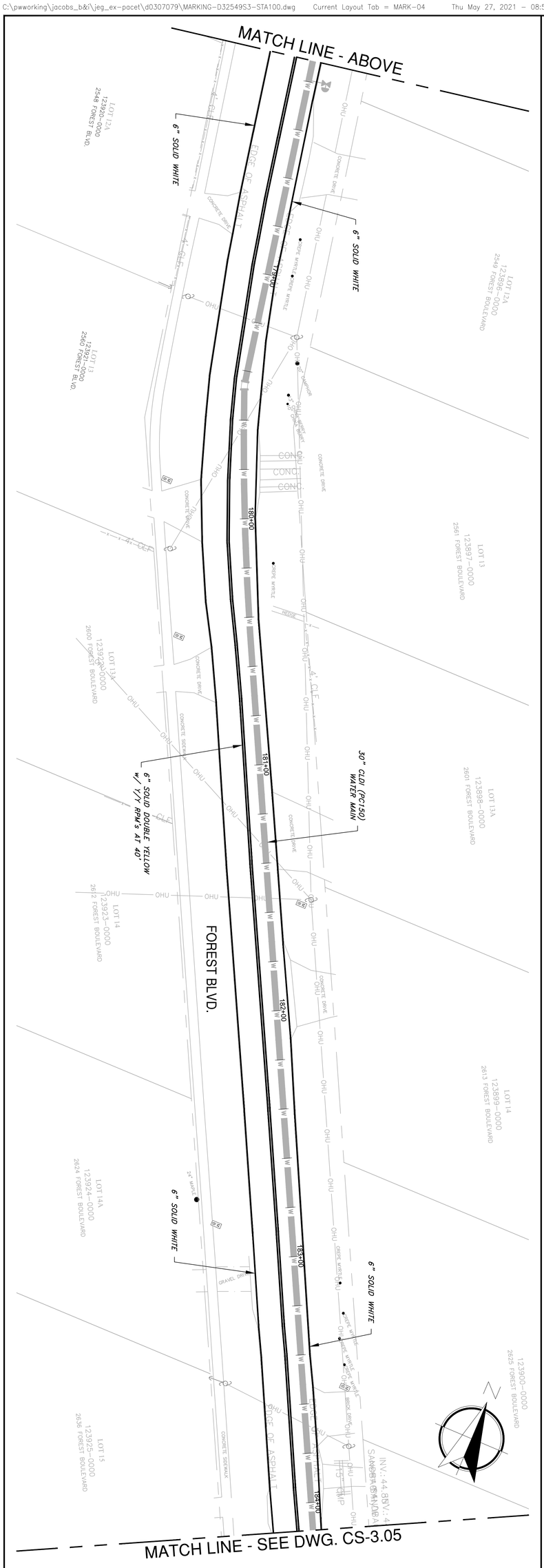

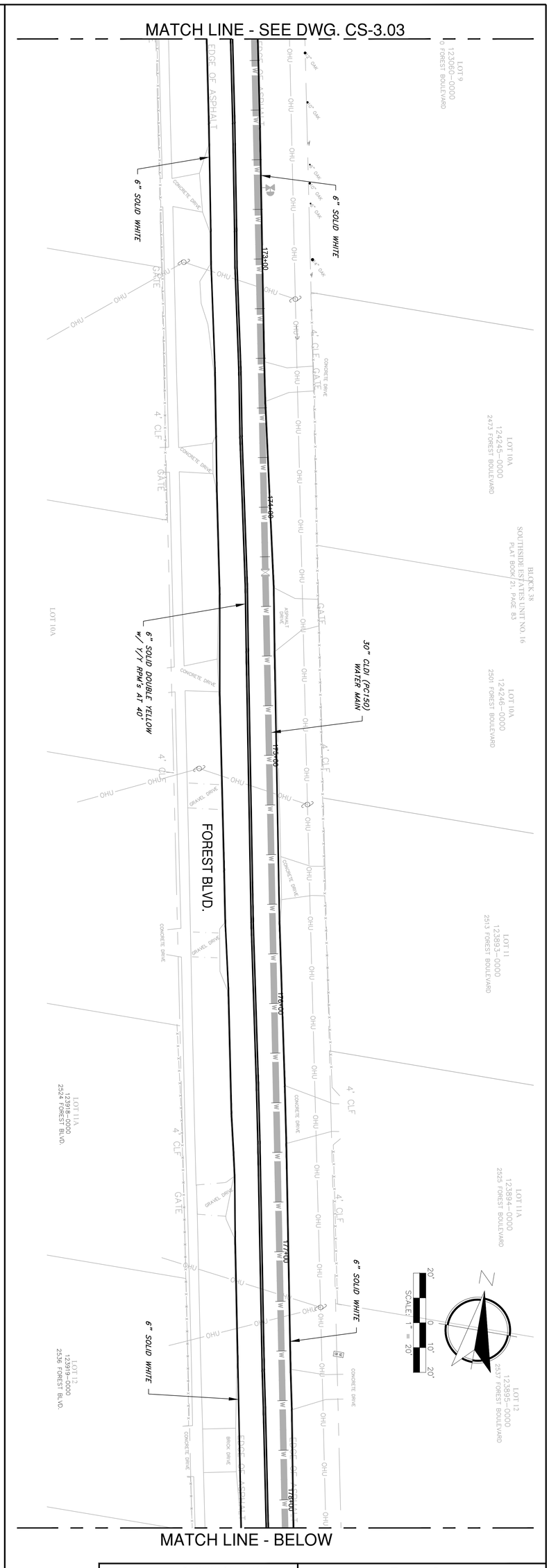

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
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COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 4	JEA Building Community	DESIGNER: CNM DRAWN BY: BTP DATE: MAY 2021 CHECKED BY: FEG DATE: MAY 2021	DESIGN ENGINEER FLORIDA REGISTRATION NO.
SHEET NO. 69	DATE: MAY 2021				
DRAWING NO. CS-3.04	SCALE: AS SHOWN				

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached: X-D3254953-Border [..\d03070851\X-D3254953-Border.dwg]
X-D3254953-Overwood [..\d03070851\X-D3254953-Overwood.dwg]
X-D3254953-I-Overwood [..\d02284561\X-D3254953-I-Overwood-DEL.dwg]
X-D3254953-C-STA100 [..\d02284561\X-D3254953-C-STA100.dwg]
X-D3254953-I-Overwood [..\d02284561\X-D3254953-I-Overwood.dwg]
X-D3254953-C-STA200 [..\d02284561\X-D3254953-C-STA200.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-3.04

MATCH LINE - SEE DWG. CS-3.06

MATCH LINE - BELOW

FOREST BLVD.

BARRETT ROAD

LEAHY ROAD

6" SOLID WHITE

6" SOLID DOUBLE YELLOW w/ 1'/1' RPM's AT 40'

24" WHITE

30" CLDI (PC150) WATER MAIN

STOP SIGN

191+00

192+00

193+00

194+00

195+00

196+00

187+00

188+00

189+00

190+00

SCALE: 1" = 20'

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO. SHEETS	PROJ. NO.	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 5
112	D32549S3	
SHEET NO. 70	DATE: MAY 2021	
DRAWING NO. CS-3.05	SCALE: AS SHOWN	

JEA Building Community sm

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-03254953-Border [..\d03070851\X-03254953-Border.dwg]
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X-03254953-C-STA100 [..\d02284561\X-03254953-C-STA100.dwg]
X-03254953-C-STA100 [..\d02284561\X-03254953-C-STA100.dwg]
X-03254953-T-Overwood [..\d02284561\X-03254953-T-Overwood.dwg]
X-03254953-C-STA200 [..\d02284561\X-03254953-C-STA200.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-3.05

MATCH LINE - SEE DWG. CS-3.07

MATCH LINE - BELOW

FOREST BLVD.

6" SOLID WHITE

6" SOLID DOUBLE YELLOW w/ 1'/1' RPM's AT 40'

30" CLDI (PC150) WATER MAIN

197+00

198+00

200+00

201+00

202+00

204+00

206+00

207+00

208+00

209+00

SOUTHSIDE ESTATES UNIT NO. 14 PLAT BOOK 21, PAGE 81

BLOCK 43

CANAL

EDGE OF ASPHALT

SCALE: 1" = 20'

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Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS	112
SHEET NO.	71
DRAWING NO.	CS-3.06
PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT MARKING PLAN 6

JEA Building Community sm

DESIGNER:	CNM
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER

FLORIDA REGISTRATION NO.

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
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X-D32549S3-C-STA100 [.\d0228456\X-D32549S3-C-STA100.dwg]
X-D32549S3-I-Deerwood [.\d0228456\X-D32549S3-I-Deerwood.dwg]
X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]

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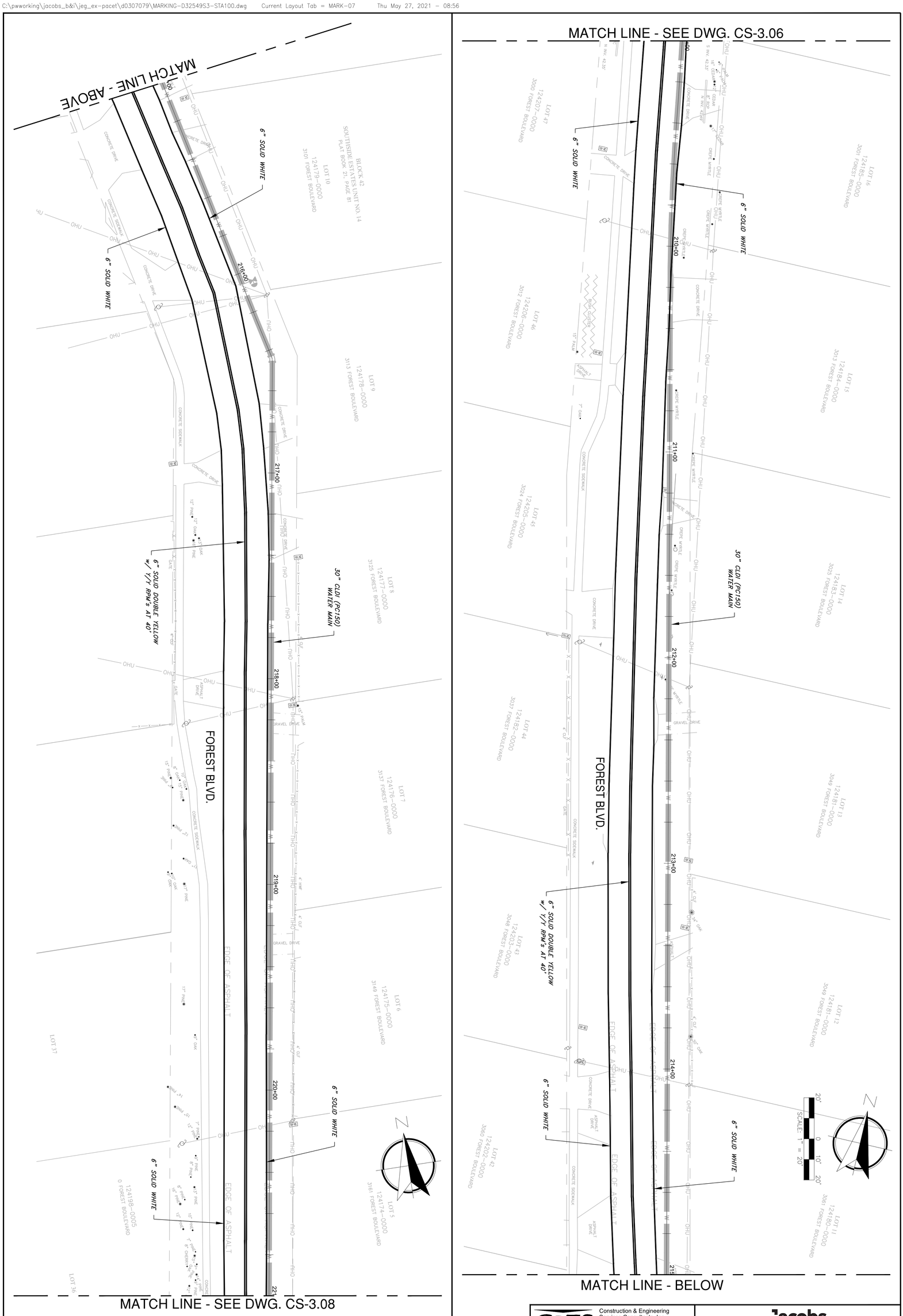

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

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JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 7	JEA Building Community	DESIGNER: CNM	DESIGN ENGINEER
SHEET NO. 72	DATE: MAY 2021			DRAWN BY: BTP	
DRAWING NO. CS-3.07	SCALE: AS SHOWN			DATE: MAY 2021	FLORIDA REGISTRATION NO.
				CHECKED BY: FEG	
				DATE: MAY 2021	

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
X-D32549S1-V-Deerwood [.\d0228456\X-D32549S1-V-Deerwood.dwg]
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X-D32549S3-T-Deerwood [.\d0228456\X-D32549S3-T-Deerwood.dwg]
X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]

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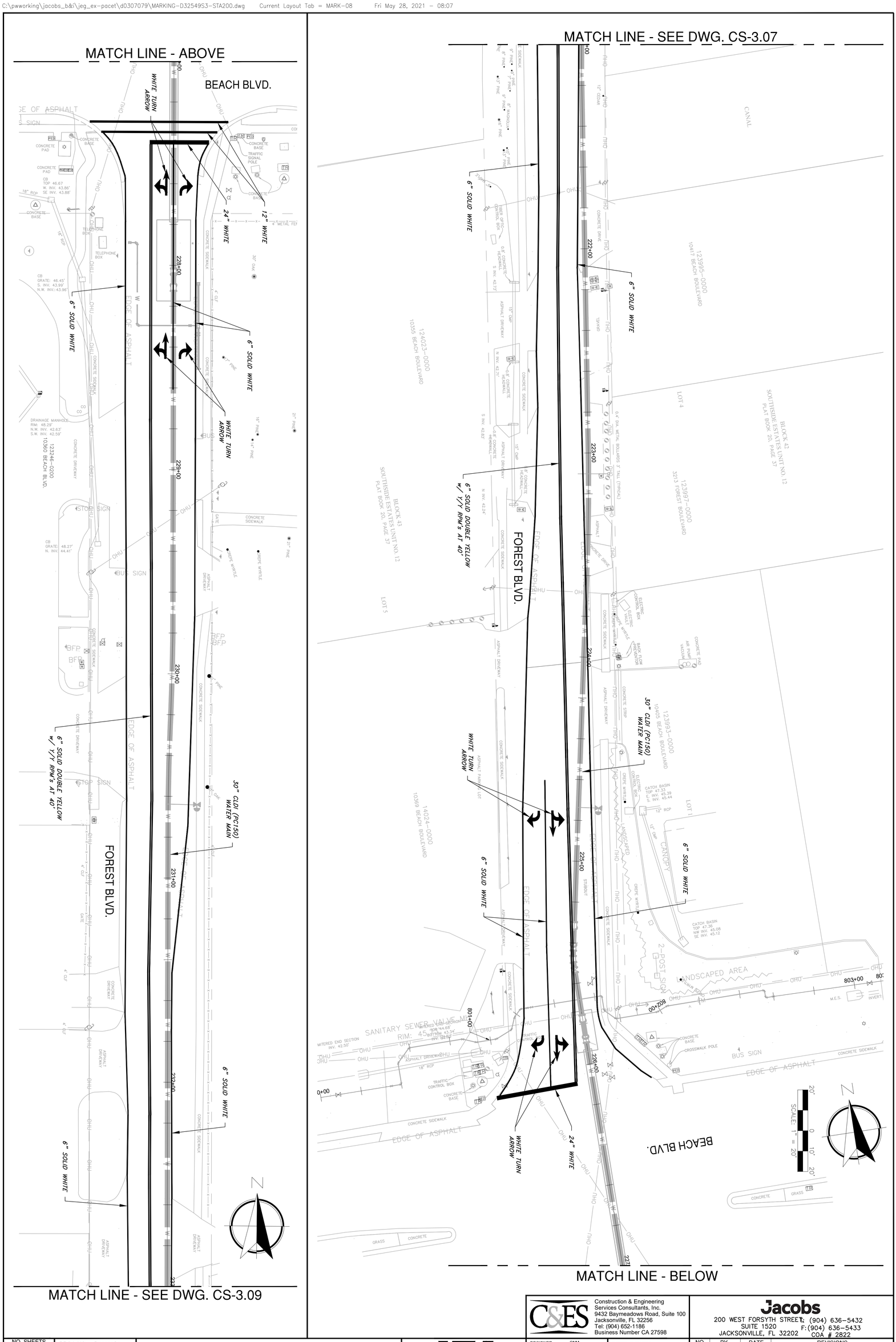

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

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200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP	
SHEET NO. 73	DATE: MAY 2021	SIPS WATER MAIN AND RAW WATER MAIN	
DRAWING NO. CS-3.08	SCALE: AS SHOWN	PAVEMENT MARKING PLAN 8	

JEA Building Community

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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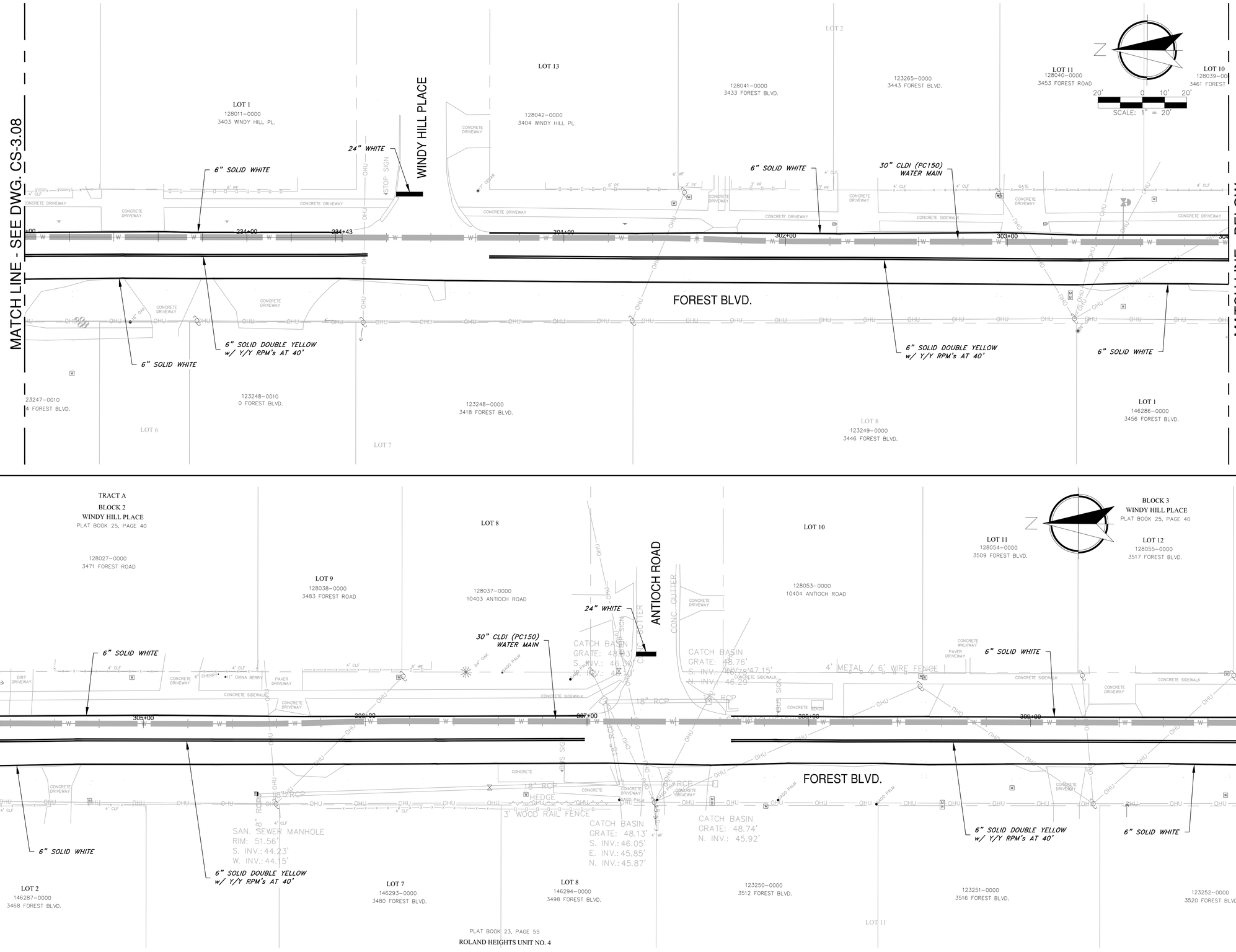
JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN



Jacobs
200 WEST FORSYTH STREET, SUITE 1700 JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 641-1951
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		FLORIDA REGISTRATION NO.
CHECKED BY:	FEG		
DATE:	MAY 2021		

JEA
Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT MARKING PLAN 9

PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	AS SHOWN

NO. SHEETS	112
SHEET NO.	74
DRAWING NO.	CS-3.09

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

C:\pwworking\jacobs_b&it\eq_ex-pcet\d0307079\WARKING-D32549S3-STA200.dwg Current Layout Tab = MARK-09 Thu May 27, 2021 - 09:13

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X-D32549S1-Sheet [\d0307079\X-D32549S1-Sheet.dwg]
X-D32549S1-x-Demwood-SEC [\d0307079\X-D32549S1-x-Demwood-SEC.dwg]
X-D32549S1-x-Demwood-SEC-Hatch [\d0307079\X-D32549S1-x-Demwood-SEC-Hatch.dwg]
X-D32549S1-C-STA200 [\d0307079\X-D32549S1-C-STA200.dwg]
X-D32549S1-C-STA200_L [\d0307079\X-D32549S1-C-STA200_L.dwg]
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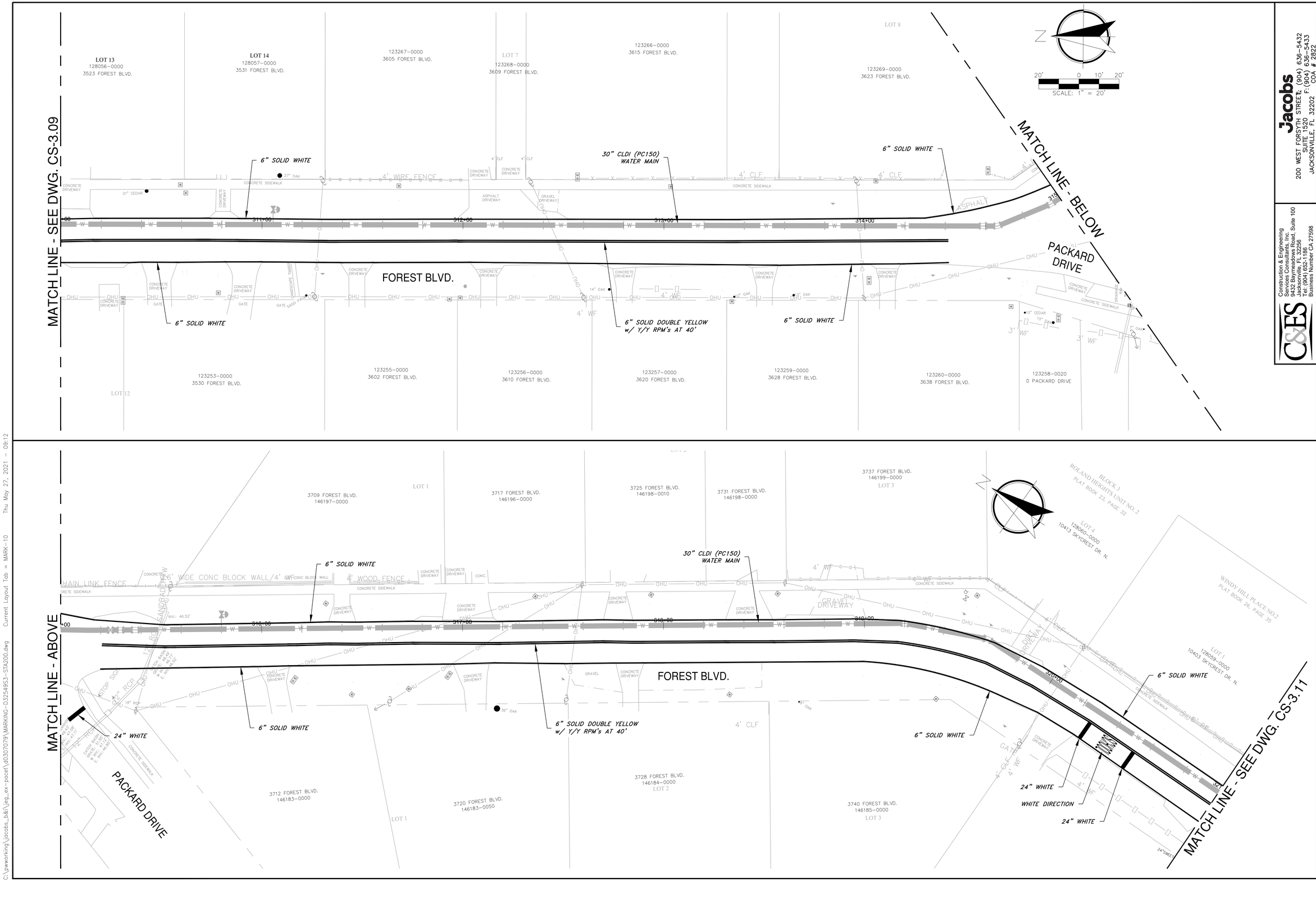

Jacobs
200 WEST FORSYTH STREET, SUITE 1700 JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 28422

NO.	BY	DATE	REVISIONS
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 683-3180 FAX 683-3181
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

JEA Building Community sm

NO. SHEETS	PROJ. NO.	D32549S3
112	DATE:	MAY 2021
SHEET NO.	SCALE:	AS SHOWN
75		
DRAWING NO.		
CS-3.10		

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT MARKING PLAN 10

JEA PROJ NO.: 8004887
PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP RAW WATER TRANSMISSION MAIN

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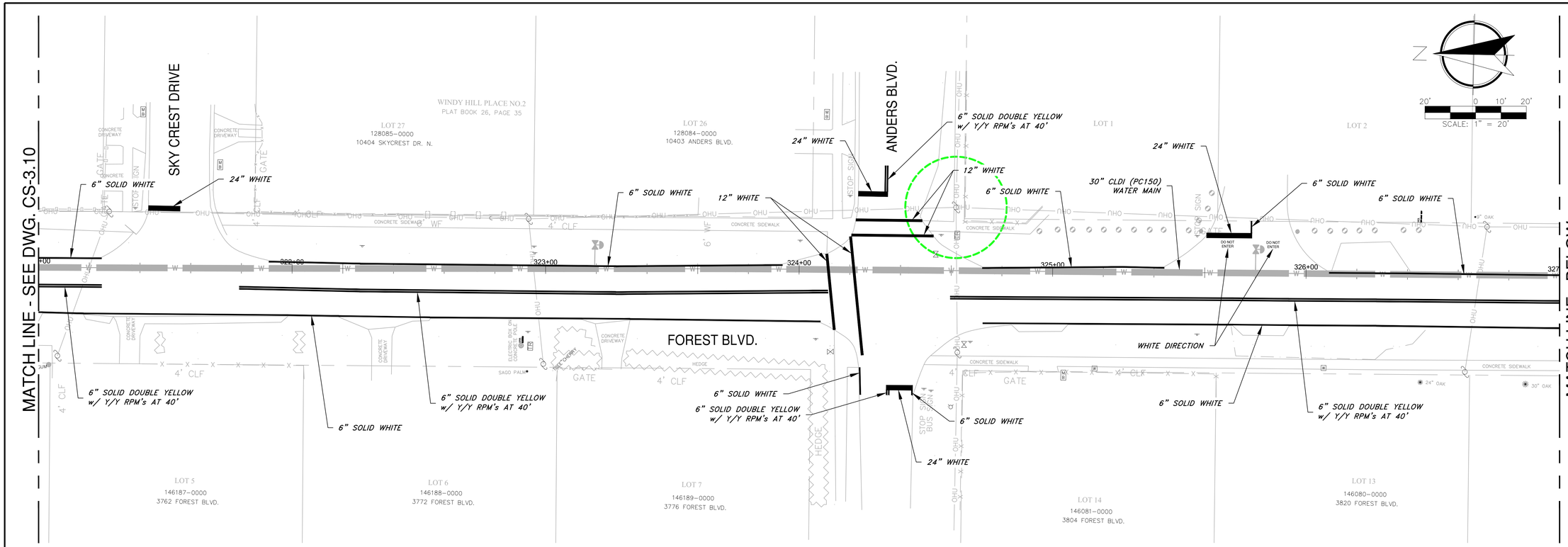

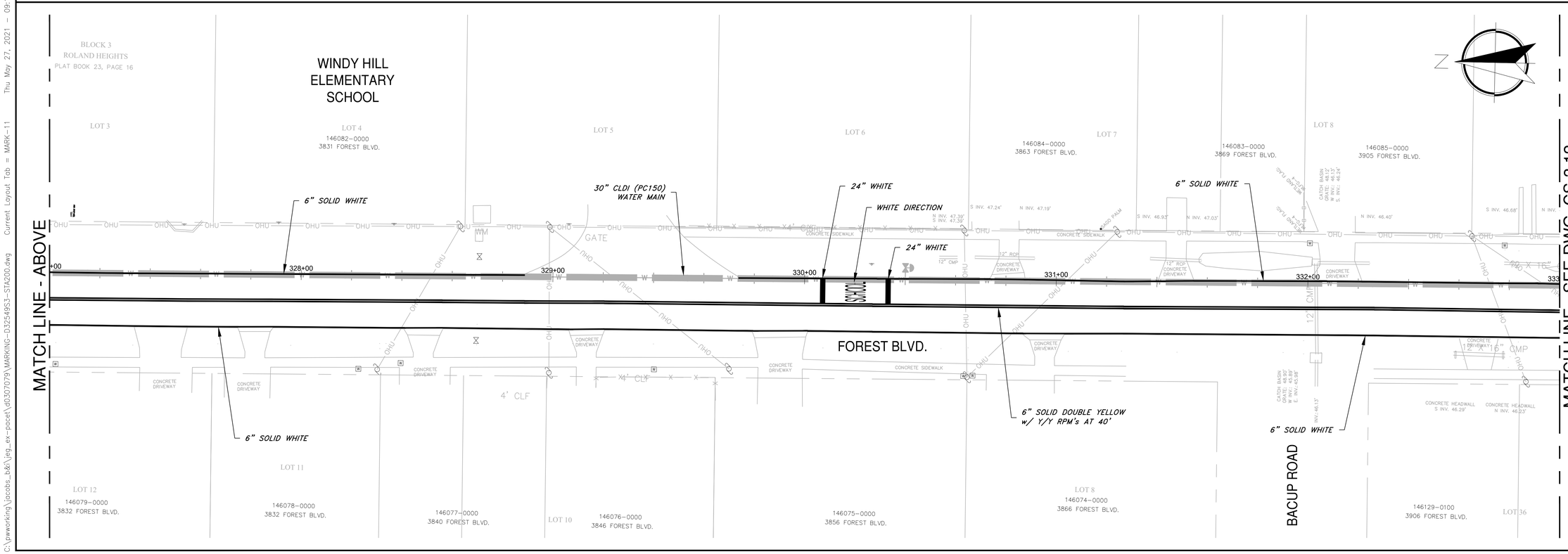

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200 WEST FORSYTH STREET T: (904) 636-5432
SUITE 1700 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
(904) 363-1881
Business Number CA 27598

NO.	BY	DATE	REVISIONS
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DESIGNER:	CNK	DESIGN ENGINEER
DRAWN BY:	BTP	
DATE:	MAY 2021	
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.
DATE:	MAY 2021	

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT MARKING PLAN 11

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN

JEA PROJ NO.: 8004887

PROJ. NO.	D3254953	NO. SHEETS 112
DATE:	MAY 2021	SHEET NO. 76
SCALE:	AS SHOWN	DRAWING NO. CS-3.11

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Xref: Attached - K:\03549\3-Design (\$\03549\3-Design)
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X-03254953-C-STA200 [..\d02284569\X-03254953-C-STA200.dwg]
X-03254953-C-STA300-400 [..\d02284569\X-03254953-C-STA300-400.dwg]

MATCH LINE - ABOVE

MATCH LINE - SEE DWG. CS-3.11

MATCH LINE - SEE DWG. CS-3.13

MATCH LINE - BELOW

FOREST BLVD.

STONE ROAD

WINDY HILL PLACE UNIT NO. 3
PLAT BOOK 26, PAGE 63

BLOCK 3
ROLAND HEIGHTS
PLAT BOOK 23, PAGE 16

6" SOLID WHITE

6" SOLID DOUBLE YELLOW w/ 1'Y' RPM'S AT 40'

30" CLDI (PC150) WATER MAIN

24" CLDI (PC150) RAW WATER MAIN

24" WHITE

LANDSCAPE TIMBERS

RAILROAD TIE

4' CLF

SCALE: 1" = 20'

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO. SHEETS	PROJ. NO.	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
112	D32549S3	SIPS WATER MAIN AND RAW WATER MAIN
SHEET NO.	DATE: MAY 2021	PAVEMENT MARKING PLAN 12
77	SCALE: AS SHOWN	
DRAWING NO.		
CS-3.12		

JEA Building Community sm

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
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X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]

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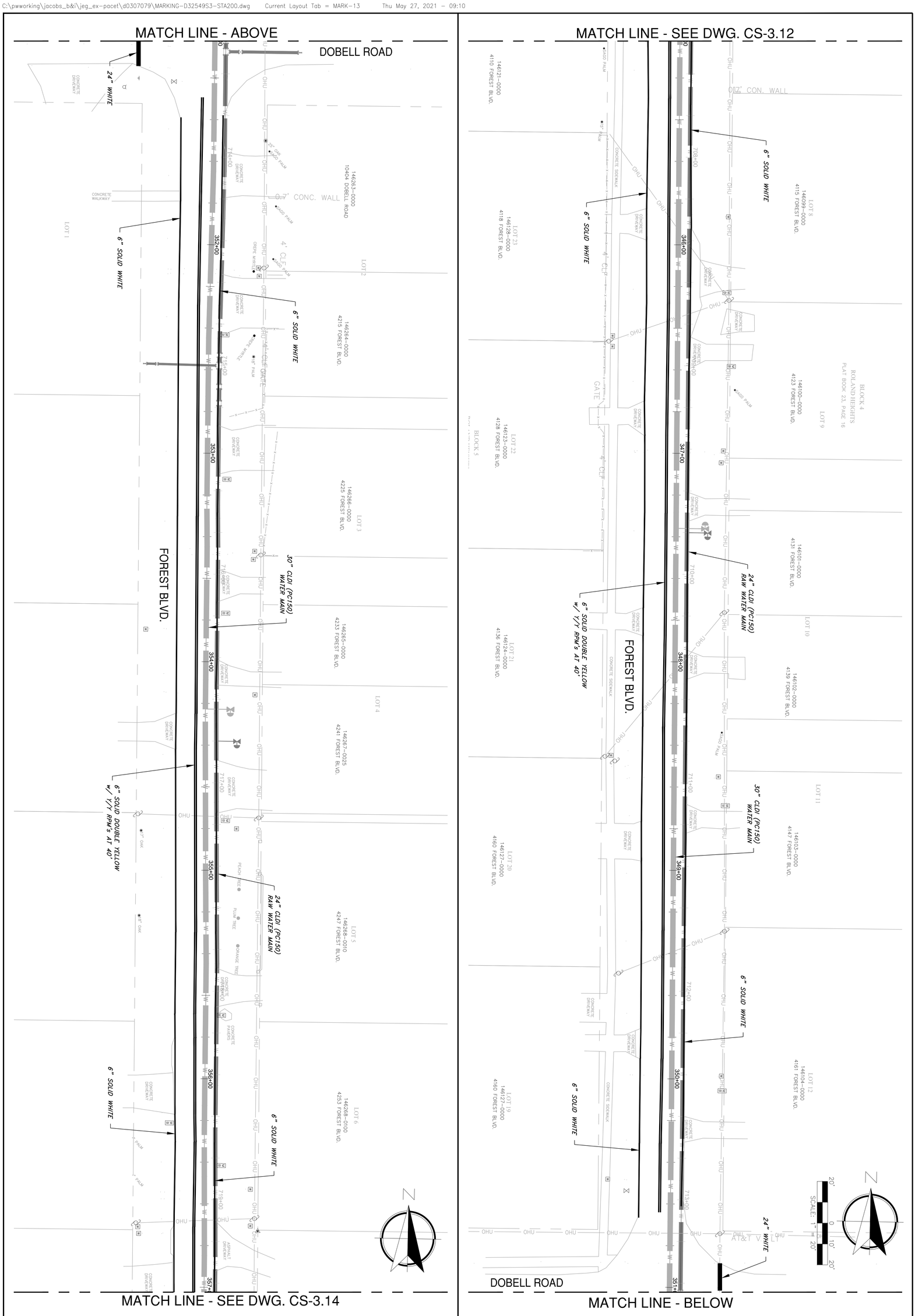

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 13	JEA Building Community	DESIGNER: CNM DRAWN BY: BTP DATE: MAY 2021 CHECKED BY: FEG DATE: MAY 2021	DESIGN ENGINEER FLORIDA REGISTRATION NO.
SHEET NO. 78	DATE: MAY 2021				
DRAWING NO. CS-3.13	SCALE: AS SHOWN				

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached= X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
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X-D32549S3-T-Deerwood [.\d0228456\X-D32549S3-T-Deerwood.dwg]
X-D32549S3-C-STA200 [.\d0228456\X-D32549S3-C-STA200.dwg]
X-D32549S3-C-STA300-400 [.\d0228456\X-D32549S3-C-STA300-400.dwg]

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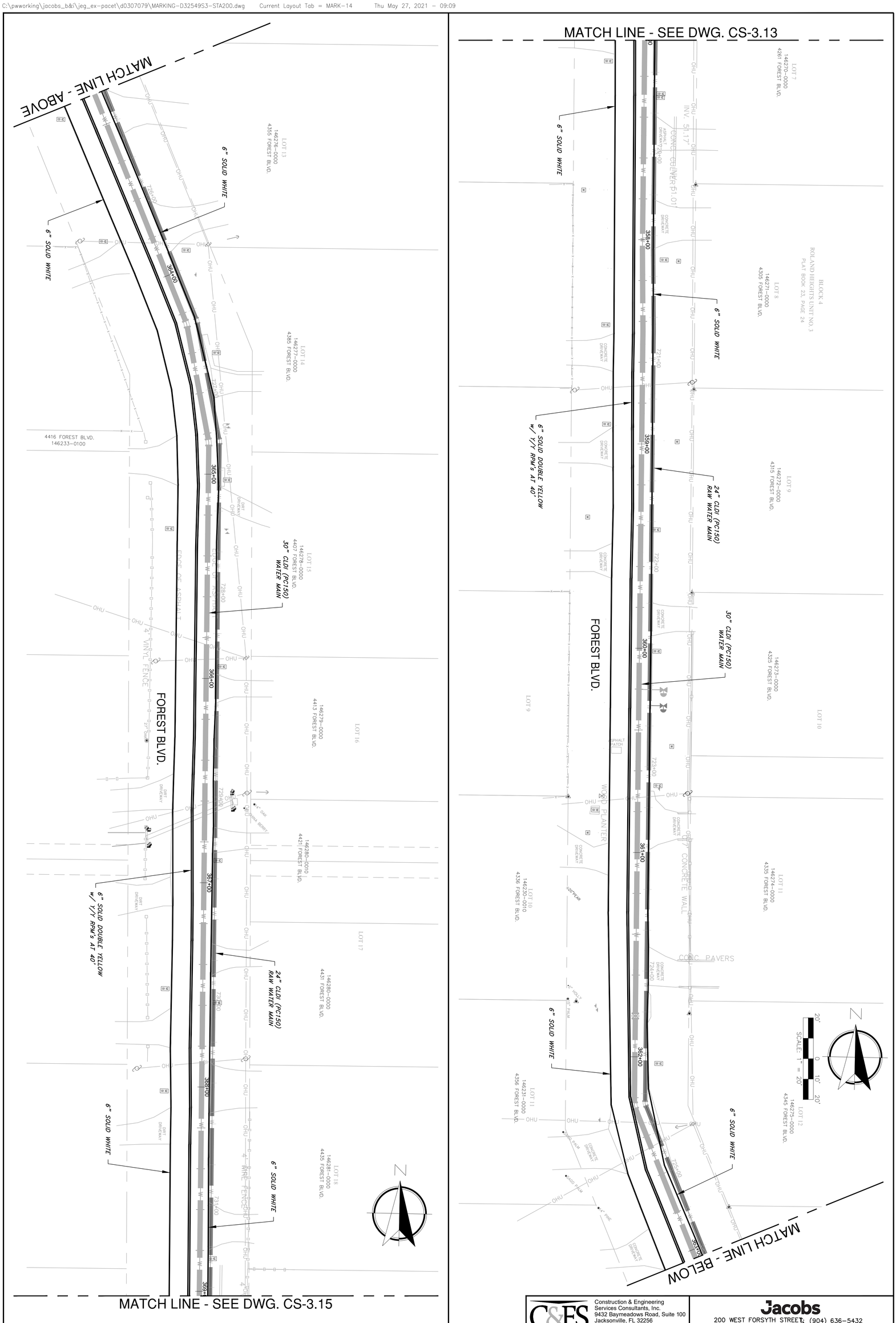

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 14	JEA Building Community	DESIGNER: CNM DRAWN BY: BTP DATE: MAY 2021 CHECKED BY: FEG DATE: MAY 2021	DESIGN ENGINEER FLORIDA REGISTRATION NO.
SHEET NO. 79	DATE: MAY 2021				
DRAWING NO. CS-3.14	SCALE: AS SHOWN				

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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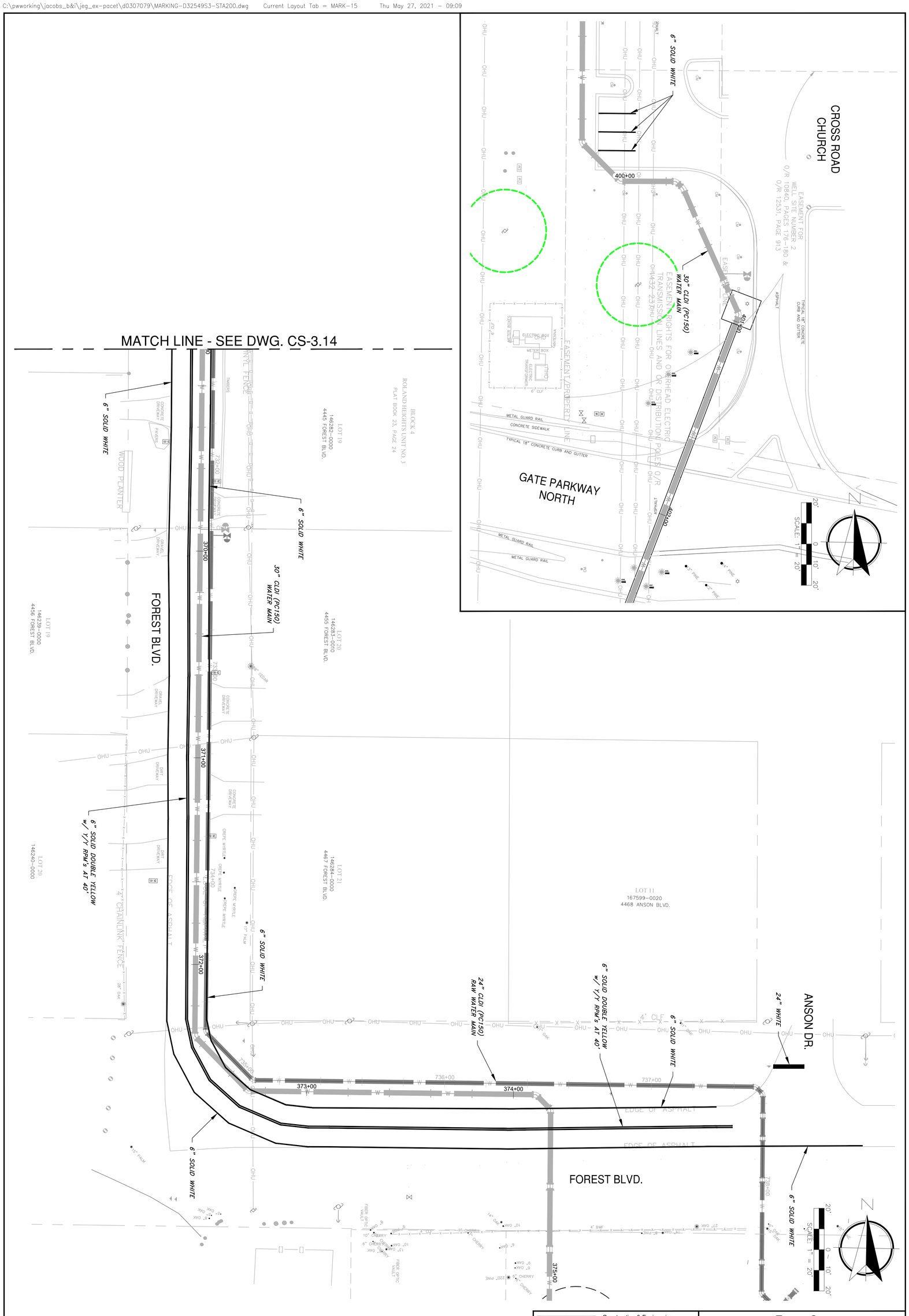

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 15	JEA Building Community	DESIGNER: CNM DRAWN BY: BTP DATE: MAY 2021 CHECKED BY: FEG DATE: MAY 2021	DESIGN ENGINEER FLORIDA REGISTRATION NO.
SHEET NO. 80	DATE: MAY 2021				
DRAWING NO. CS-3.15	SCALE: AS SHOWN				

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached- X-D3254953-Border [..\d03070851\X-D3254953-Border.dwg]
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X-D3254953-V-Deerwood-REM [..\d02284561\X-D3254953-V-Deerwood-REM.dwg]
X-D3254951-S-Deerwood [..\d02284561\X-D3254951-S-Deerwood.dwg]
X-D3254951-V-Deerwood-DEC [..\d02284533\X-D3254951-V-Deerwood-DEC.dwg]

MATCH LINE - ABOVE

DEERWOOD PARK BLVD.

GREYSTONE PARK

STOP

6" STOP BAR w/ TEXT

6" SOLID WHITE (TYP)

30" CLDI (PC150) WATER MAIN

505+00

506+00

507+00

508+00

509+00

510+00

511+00

512+00

513+00

514+00

515+00

NOTE

CONTRACTOR SHALL COORDINATE WITH THE PROPERTY MANAGER OF GREYSTONE PARK PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. PAVEMENT MARKINGS SHALL MATCH EXISTING ONSITE PAVEMENT.

SCALE: 1" = 20'

MATCH LINE - SEE DWG. CS-3.17

MATCH LINE - BELOW

C&ES Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET: (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 16	JEA Building Community sm
SHEET NO. 81	DATE: MAY 2021		
DRAWING NO. CS-3.16	SCALE: AS SHOWN		

DESIGNER:	CNM	DESIGN ENGINEER
DRAWN BY:	BTP	
DATE:	MAY 2021	
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.
DATE:	MAY 2021	

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

Xrefs Attached: X-D32549S3-Border [.\d0307080\X-D32549S3-Border.dwg]
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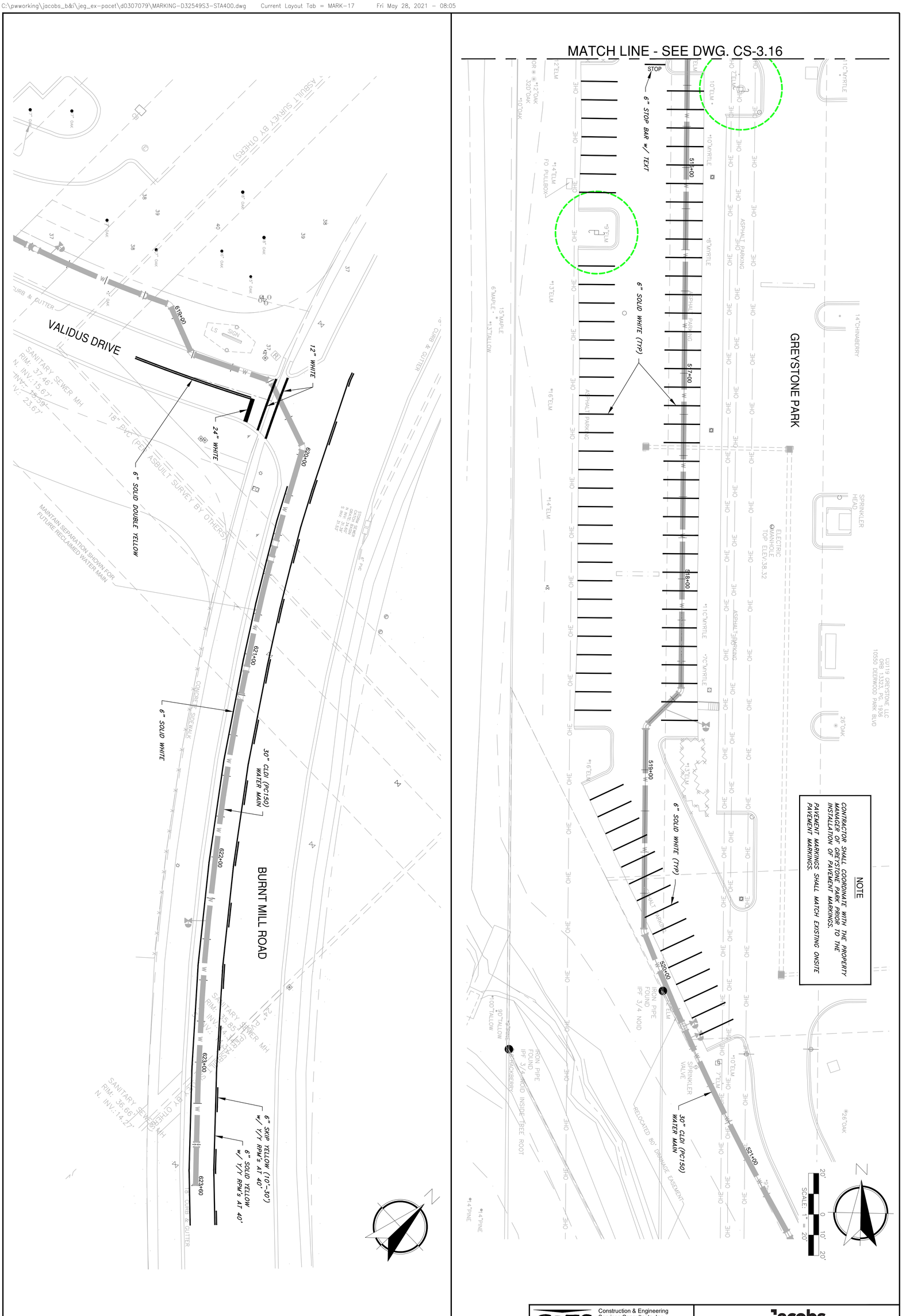

NOTE

CONTRACTOR SHALL COORDINATE WITH THE PROPERTY MANAGER OF GREYSTONE PARK PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.

PAVEMENT MARKINGS SHALL MATCH EXISTING ONSITE PAVEMENT MARKINGS.

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9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO. SHEETS 112	PROJ. NO. D32549S3	SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP SIPS WATER MAIN AND RAW WATER MAIN PAVEMENT MARKING PLAN 17	JEA Building Community
SHEET NO. 82	DATE: MAY 2021		
DRAWING NO. CS-3.17	SCALE: AS SHOWN		

DESIGNER:	CNM	DESIGN ENGINEER	
DRAWN BY:	BTP		
DATE:	MAY 2021		
CHECKED BY:	FEG	FLORIDA REGISTRATION NO.	
DATE:	MAY 2021		

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JEA PROJ NO.: 8004887 PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

TREE PROTECTION NOTES:

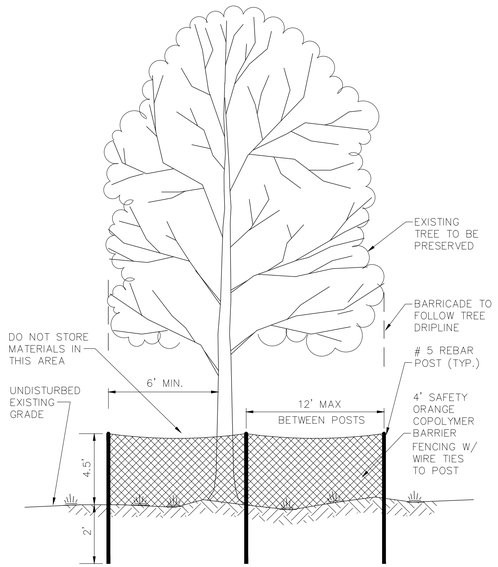
ALL PROTECTED TREES, AND PRESERVED UNDERSTORY VEGETATION, PURSUANT TO SEC. 656.1213 JACKSONVILLE, FLORIDA, CODE OF ORDINANCES SHALL BE PROTECTED FROM INJURY DURING ANY LAND CLEARING OR CONSTRUCTION IN THE FOLLOWING MANNER:

A. PRIOR TO ANY CONSTRUCTION OPERATIONS, TREE LIMBS WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED AND TEMPORARY BARRIERS SHALL BE INSTALLED AROUND ALL TREES AND OTHER UNDERSTORY VEGETATION TO REMAIN WITHIN THE LIMITS CONSTRUCTION AND SHALL REMAIN UNTIL THE COMPLETION OF THE WORK. THE TEMPORARY BARRIER SHALL BE AT LEAST THREE FEET HIGH, SHALL BE PLACED AT LEAST SIX FEET AWAY FROM THE BASE OF ANY TREE, SHALL INCLUDE AT LEAST 50 PERCENT OF THE AREA UNDER THE DRIPLINE OF ANY PROTECTED TREES, AND THE BARRIER SHALL CONSIST OF EITHER A WOOD FENCE WITH TWO BY FOUR POSTS PLACED A MAXIMUM OF EIGHT FEET APART, WITH A TWO BY FOUR MINIMUM TOP RAIL, OR A TEMPORARY WIRE MESH FENCE, OR OTHER SIMILAR BARRIER WHICH WILL LIMIT ACCESS TO THE PROTECTED AREA. TREE PROTECTION SHALL COMPLY WITH THE GUIDELINES IN THE TREE PROTECTION GUIDE FOR BUILDERS AND DEVELOPERS BY THE FLORIDA DIVISION OF FORESTRY.

B. NO MATERIALS, TRAILERS, EQUIPMENT OR CHEMICALS SHALL BE STORED, OPERATED, DUMPED, BURIED OR BURNED WITHIN THE PROTECTED AREAS. NO ATTACHMENT, WIRES (OTHER THAN PROTECTIVE GUY WIRES), SIGNS OR PERMITS SHALL BE ATTACHED TO A PROTECTED TREE.

C. WHEN REMOVING BRANCHES FROM PROTECTED TREES TO CLEAR FOR CONSTRUCTION OR PRUNING TO RESTORE THE NATURAL SHAPE OF THE ENTIRE TREE, THE GUIDELINES IN THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES AND THE AMERICAN NATIONAL STANDARDS FOR TREE CARE OPERATIONS (ANSI #Z133.1) SHALL BE FOLLOWED. PROTECTED TREES SHALL BE PRUNED TO REMOVE DEAD OR DAMAGED LIMBS AND TO RESTORE THIS NATURAL SHAPE AND FERTILIZED AS NECESSARY TO COMPENSATE FOR ANY LOSS OF ROOTS AND TO STIMULATE ROOT GROWTH. ANY DAMAGE TO TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY AFTER DAMAGE OCCURS.

D. TREE BARRICADE APPROVAL: OBTAIN CITY APPROVAL OF TREE BARRICADES BEFORE BEGINNING CLEARING OPERATIONS OR ANY CONSTRUCTION.



NOTE: AN AREA WITHIN THE DRIPLINE OF THE TREE OR TREES AT LEAST ONE FOOT IN DIAMETER FOR EACH INCH OF TRUNK DIAMETER SHALL BE PRESERVED IN ITS NATURAL STATE OR COVERED WITH PERVIOUS LANDSCAPE MATERIAL; PROVIDED, HOWEVER, THAT THE MINIMUM AREA PRESERVED SHALL BE AT LEAST ONE HUNDRED FIFTY SQUARE FEET FOR SHADE TREES AND AT LEAST TWENTY FIVE SQUARE FEET FOR ALL OTHER TREES. SUCH AREA SHALL BE MAINTAINED AT ITS ORIGINAL GRADE WITH NO TRENCHING OR CUTTING OF ANY ROOTS AND THERE SHALL BE NO STORAGE OF FILL, COMPACTION OF SOIL OR ANY CONCRETE, PAINT, CHEMICALS, OR OTHER FOREIGN SUBSTANCE IN OR ON THE SOIL.

TREE PROTECTION BARRICADE

TREE PROTECTION BARRICADES FOR TREES OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENTS THAT ARE SHOWN AS PROTECTED SHALL BE ERECTED ALONG THE EDGE OF THE RIGHT-OF-WAY OR EASEMENT.

CITY OF JACKSONVILLE
PROTECTED TREES - REMOVAL AND MITIGATION

TREE NUMBER	TREE TYPE	DBH (INCHES)	MITIGATION RATIO	MITIGATION REQUIRED (INCHES)
T1	24" CEDAR	24	1	24.00
T2	CRAPE MYRTLE	2	1	2.00
T3	CRAPE MYRTLE	2	1	2.00
T4	CRAPE MYRTLE	2	1	2.00
T5	CRAPE MYRTLE	2	1	2.00
T6	CRAPE MYRTLE	2	1	2.00
T7	CRAPE MYRTLE	2	1	2.00
T8	6" LIVE OAK	6	1	6.00
T9	15" LIVE OAK	15	1	15.00
T32	9" LIVE OAK	9	1	9.00
T33	14" PALM	14	3	4.67
T34	21" OAK	21	3	7.00
T35	17" OAK	17	3	5.67
T36	20" OAK	20	3	6.67
T37	23" OAK	23	3	7.67
T38	24" OAK	24	1	24.00
T39	24" OAK	24	1	24.00
T40	22" OAK	22	3	7.33
T41	8" OAK	8	3	2.67
T43	18" OAK	18	3	6.00
T44	19" OAK	19	3	6.33
T53	12" PINE	12	3	4.00
T78	12" OAK	12	3	4.00
T81	18" PINE	18	3	6.00
T83	16" OAK	16	3	5.33
T85	13" OAK	13	3	4.33
T87	22" LIVE OAK	22	1	22.00
T89	CRAPE MYRTLE	2	1	2.00
T90	CRAPE MYRTLE	2	1	2.00
T91	10" TURKEY OAK	10	3	3.33
T92	CRAPE MYRTLE	2	1	2.00
T93	CRAPE MYRTLE	2	1	2.00
T94	CRAPE MYRTLE	2	1	2.00
T95	CRAPE MYRTLE	2	1	2.00
			TOTAL:	229.00

SUMMARY OF PROTECTED TREE REMOVAL AND MITIGATION

TREE TYPE	INCHES TO BE REMOVED	MITIGATION RATIO	MITIGATION REQUIRED (INCHES)
CRAPE MYRTLE	24.00	1	24.00
LIVE OAK	52.00	1	52.00
OAK (6"-23")	189.00	3	63.00
OAK (24"-UP)	48.00	1	48.00
PALM (6"-23")	14.00	3	4.67
PINE (6"-23")	30.00	3	10.00
CEDAR (24"-UP)	24.00	1	24.00
TURKEY OAK (6"-23")	10.00	3	3.33
		TOTAL:	229.00

GREYSTONE PARKING LOT
TREES TO BE REMOVED

TREE NUMBER	TREE TYPE	DBH (INCHES)
T24	10" ELM	10
T25	10" ELM	10
T26	10" ELM	10
T27	10" ELM	10
T28	12" ELM	12
T29	7" ELM	7
T30	9" ELM	9
T31	9.5" ELM	9.5

DEERWOOD III WTP
TREES TO BE REMOVED

TREE NUMBER	TREE TYPE	DBH (INCHES)
T68	9" PINE	9
T69	10" OAK	10
T70	9" OAK	9
T71	10" OAK	10
T72	11" OAK	11
T73	9" OAK	9
T74	9" OAK	9
T75	8" OAK	8
T76	10" OAK	10
T77	9" OAK	9
T79	8" OAK	8
T80	10" OAK	10
T82	10" PINE	10
T84	10" BAY	10
T86	8" BAY	8
T88	9" OAK	9

CROSS CREEK CHURCH
TREES TO BE REMOVED

TREE NUMBER	TREE TYPE	DBH (INCHES)
T10	CRAPE MYRTLE	2
T11	CRAPE MYRTLE	2
T12	CRAPE MYRTLE	2
T13	CRAPE MYRTLE	2
T14	CRAPE MYRTLE	2
T15	CRAPE MYRTLE	2
T16	CRAPE MYRTLE	2
T17	CRAPE MYRTLE	2
T18	CRAPE MYRTLE	2
T19	CRAPE MYRTLE	2
T20	CRAPE MYRTLE	2
T21	CRAPE MYRTLE	2
T22	CRAPE MYRTLE	2
T23	CRAPE MYRTLE	2

VALIDUS ROAD
TREES TO BE REMOVED

TREE NUMBER	TREE TYPE	DBH (INCHES)
T42	2" ELM	2
T45	2" OAK	2
T46	2" ELM	2
T47	2" ELM	2
T48	2" ELM	2
T49	2" OAK	2
T50	2" OAK	2
T51	2" OAK	2
T52	2" OAK	2
T54	2" ELM	2
T55	2" ELM	2
T56	2" ELM	2
T57	2" OAK	2
T58	2" OAK	2
T59	2" OAK	2
T60	2" OAK	2
T61	2" ELM	2
T62	2" ELM	2
T63	2" ELM	2
T64	2" OAK	2
T65	2" OAK	2
T66	2" OAK	2
T67	2" OAK	2

LEGEND:

- CITY RIGHT-OF-WAY/JEA T-LINE EASEMENT
- DEERWOOD III WTP
- GREYSTONE PARKING LOT
- VALIDUS ROAD
- CROSS CREEK CHURCH PARKING LOT

Jacobs
200 WEST FORSYTH STREET, SUITE 1520 JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1188
Business Number CA 27598

NO.	BY	DATE	REVISIONS
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			3.
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			1.

DESIGNER: CNM
DRAWN BY: BP
DATE: MAY 2021
CHECKED BY: FEG
DATE: MAY 2021
DESIGN ENGINEER
FLORIDA REGISTRATION NO.

JEA Building Community℠

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TREE SCHEDULE & MITIGATION CALCULATIONS

PROJ. NO. D32549S3
DATE: MAY 2021
SCALE: NTS

NO. SHEETS 112
SHEET NO. 83
DRAWING NO. CD-1

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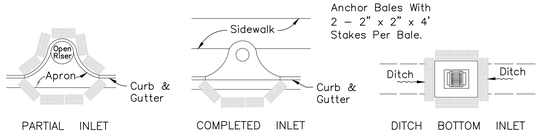
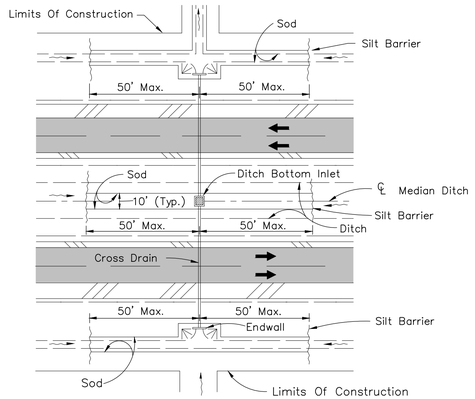
EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON–SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL PROTECTION – ON–SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. WIRE MESH SHALL BE LAID OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2– INCH OPENINGS SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
6. FDOT NO. 1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED IN D–903. THE DEPTH OF STONE SHALL BE AT LEAST 12 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
7. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. BALES SHALL BE EITHER WIRE–BOUND OR STRING–TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
9. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER.
10. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 8 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
11. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
12. LOOSE STRAW SHOULD BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.
13. STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
14. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
16. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
17. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
18. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
19. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE–THIRD THE HEIGHT OF THE BARRIER.
20. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
21. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
22. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
23. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT SPECIFICATIONS AND CRITERIA.
24. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL – A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (F.D.E.R.) CHAPTER 6.
25. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION.
26. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
27. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
28. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
29. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
30. ALL DISTURBED AREAS TO BE STABILIZED THROUGH COMPACTION, SILT SCREENS, HAY BALES, AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.
31. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION AND REMOVED ONLY WHEN AREAS HAVE STABILIZED.
32. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
33. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO COMPLIANCE OF SJRWMD FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.

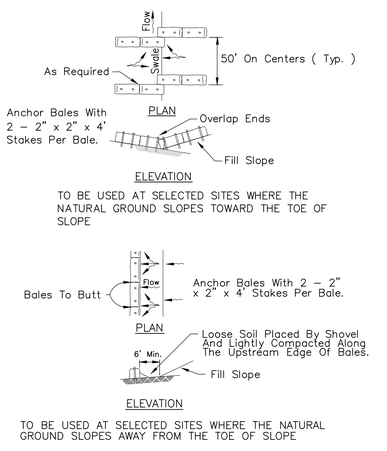


PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

BALES BACKED BY FENCE



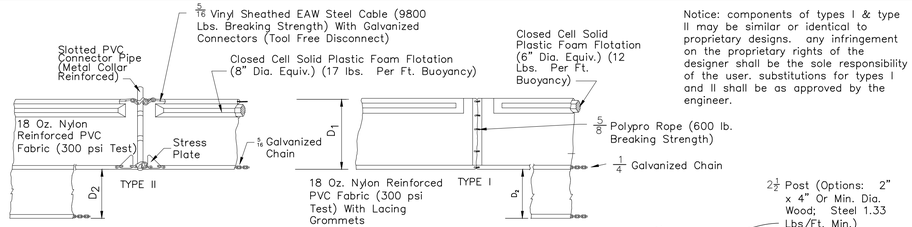
DITCH INSTALLATIONS AT DRAINAGE STRUCTURES



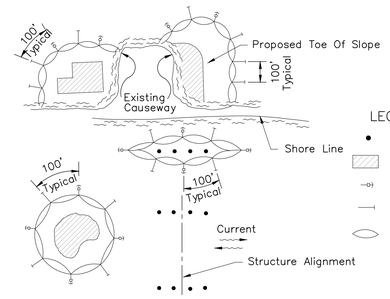
BARRIERS FOR FILL SLOPES

HAY BALE LOCATION

(D–901) N.T.S.

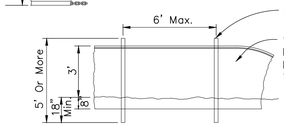


FLOATING TURBIDITY BARRIERS

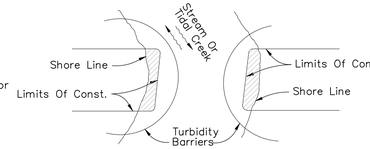


NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the FDOT Standard Specifications.

TURBIDITY BARRIER APPLICATIONS



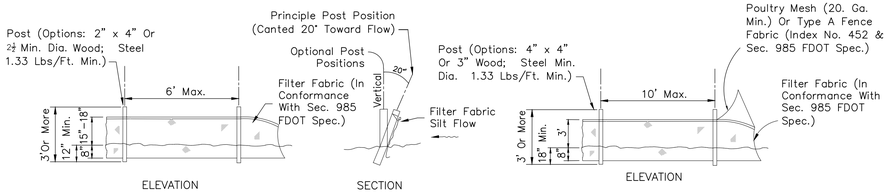
STAKED TURBIDITY BARRIER



Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the contract lump sum price established in the bid proposal for Erosion & Sediment Control Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

TURBIDITY BARRIERS

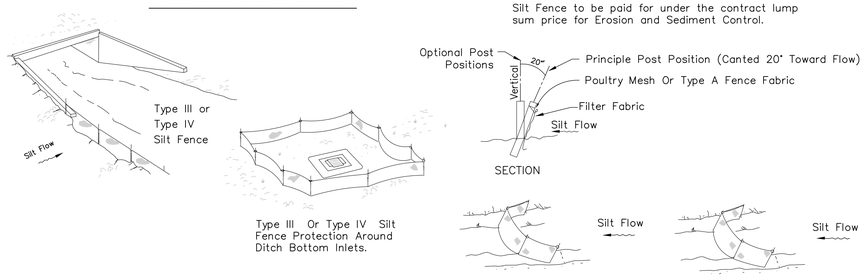
(D–907) N.T.S.



TYPE III SILT FENCE

TYPE IV SILT FENCE

Note:
Silt Fence to be paid for under the contract lump sum price for Erosion and Sediment Control.



Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

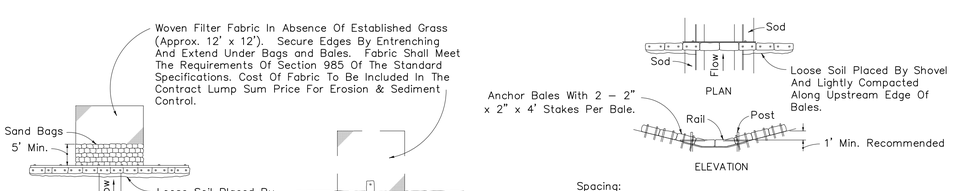
NOTE:
WHERE DOUBLE ROW SILT FENCE IS CALLED OUT IN THE EROSION CONTROL PLANS; THE SPACING BETWEEN THE TWO ROWS OF SILT FENCE SHALL BE 3 FOOT MINIMUM.

Note:
Spacing for Type III & TYPE IV Fence to be in accordance with Chart 1, Sheet 1 of 3, FDOT Index No. 102 and ditch installations at drainage structures Sheet 2 of 3, FDOT Index No. 102.

SILT FENCE APPLICATIONS

SILT FENCE TYPE III & IV

(D–908) N.T.S.



BARRIER FOR PAVED DITCH



Application and Spacing:
The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1, Sheet 1 of 3, Index No. 102

BARRIER FOR UNPAVED DITCHES

HAY BALE BARRIERS TYPE I & II

(D–912) N.T.S.

NOTE:
WHERE FDOT SPECS AND INDEX ARE REFERENCED, PLEASE REFER TO FDOT ROADWAY & TRAFFIC DESIGN STANDARDS, AND FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.

Jacobs
200 WEST FORSYTH STREET, SUITE 1520 JACKSONVILLE, FL 32202
(904) 636–5432
F: (904) 636–5433
COA # 2822

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Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

C&ES

DESIGNER:	CJMA
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER:
FLORIDA REGISTRATION NO.

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
EROSION CONTROL NOTES & DETAILS 1

NO. SHEETS	112
SHEET NO.	84
DRAWING NO.	CD-2

PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	NTS

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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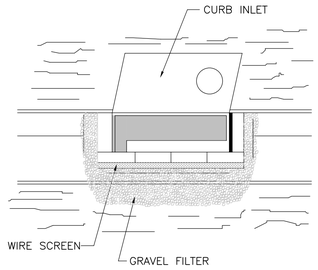
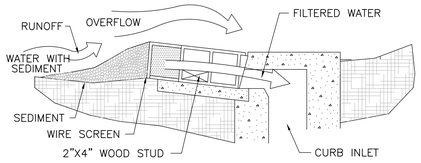


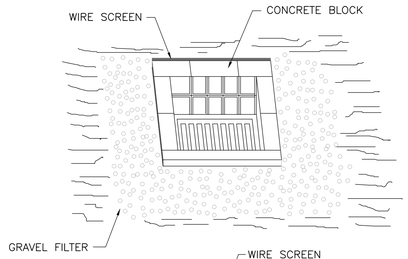


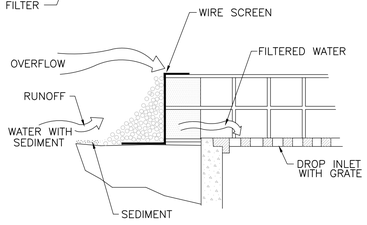
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

BLOCK & GRAVEL CURB INLET SEDIMENT FILTER

(D-902) N.T.S.





SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

BLOCK & GRAVEL DROP INLET SEDIMENT FILTER

(D-904) N.T.S.

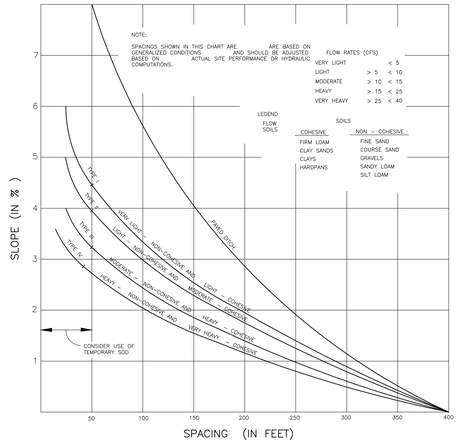
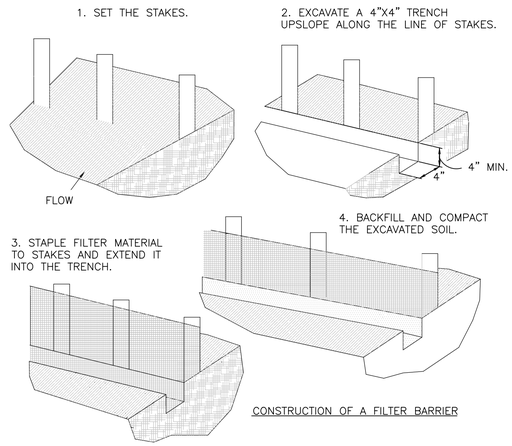


CHART I

RECOMMENDED SPACING FOR TYPE I AND TYPE II HAY BALE BARRIERS, AND TYPE III AND TYPE IV SILT FENCES AND PAVED DITCH HAY BALE BARRIERS

SPACING RECOMMENDATION FOR SILT FENCES & HAY BALES

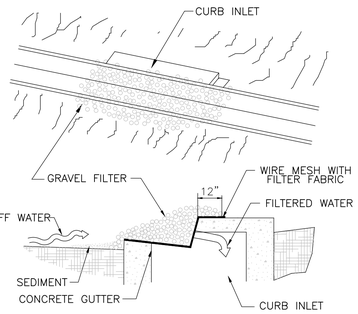
(D-906) N.T.S.



PROPER PLACEMENT OF A FILTER BARRIER IN A DRAINAGE WAY

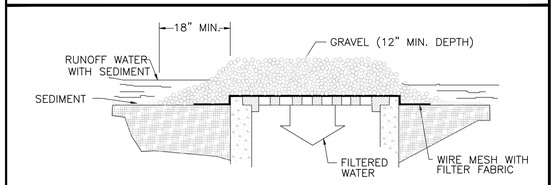
FILTER BARRIER CONSTRUCTION DETAIL

(D-910) N.T.S.



GRAVEL CURB INLET SEDIMENT FILTER

SPECIFIC APPLICATION – THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

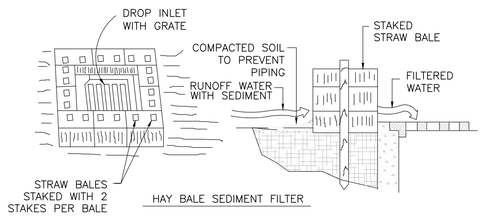


GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER

SPECIFIC APPLICATION – THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

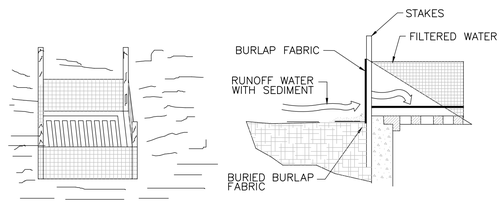
GRAVEL INLET SEDIMENT TRAP

(D-903) N.T.S.



SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 cfs) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

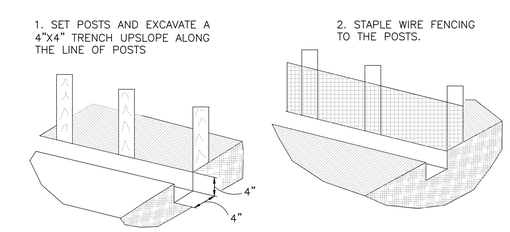


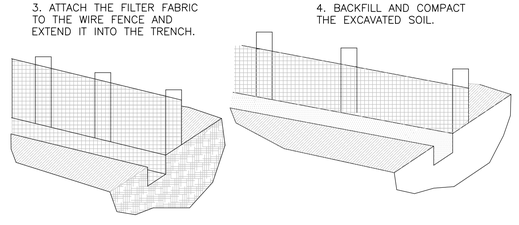
FABRIC SEDIMENT FILTER

SPECIFIC APPLICATION – THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 cfs) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

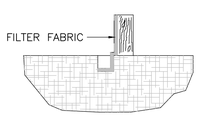
DROP INLET SEDIMENT FILTER

(D-905) N.T.S.



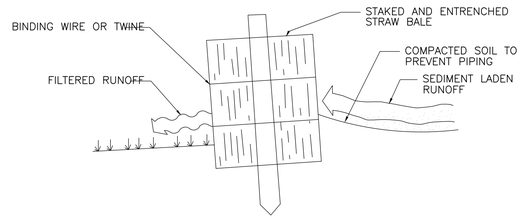


EXTENSION OF FABRIC AND WIRE INTO THE TRENCH.



CONSTRUCTION DETAILS FOR SILT FENCES

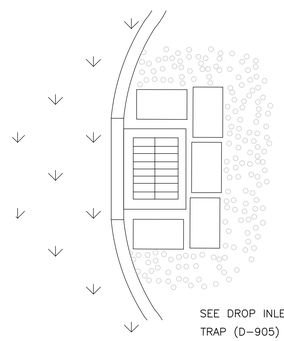
(D-909) N.T.S.



CROSS-SECTION OF A PROPERLY INSTALLED STRAW BALE

STAKED HAY BALE

(D-911) N.T.S.



SEE DROP INLET SEDIMENT TRAP (D-905)

ERECT SEDIMENT BARRIERS AT CATCH BASINS

(TYPICAL)
N.T.S.

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SUITE 1520 F: (904) 636-5433
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1.			

Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

C&ES

DESIGNER:	CJM	DESIGN ENGINEER:	
DRAWN BY:	BTP		
DATE:	MAY 2021	FLORIDA REGISTRATION NO.	
CHECKED BY:	FEG		
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
EROSION CONTROL NOTES & DETAILS 2

PROJ. NO.	D3254963
DATE:	MAY 2021
SCALE:	NTS
NO. SHEETS	112
SHEET NO.	85
DRAWING NO.	CD-3

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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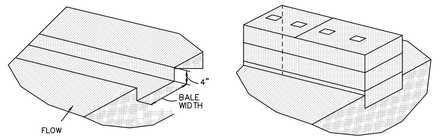
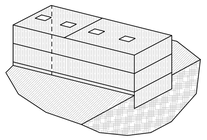
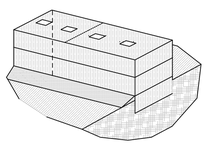


1. EXCAVATE THE TRENCH.

2. PLACE AND STAKE STRAW BALES.



3. WEDGE LOOSE STRAW BETWEEN BALES.



4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

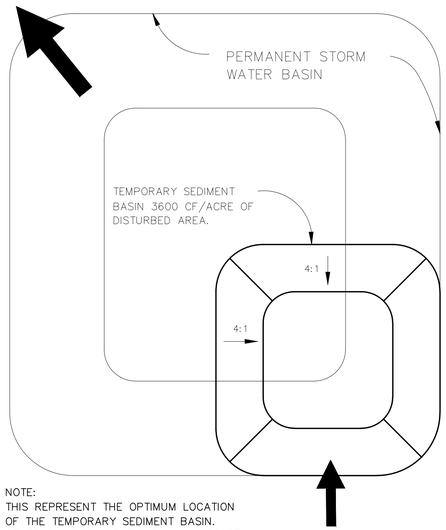
CONSTRUCTION OF A HAY BALE BARRIER.



POINTS A SHOULD BE HIGHER THAN POINT B
PROPER PLACEMENT OF HAY BALE BARRIER IN DRAINAGE WAY

HAY BALE BARRIER CONSTRUCTION DETAILS

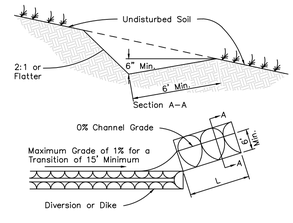
(D-913) N.T.S.



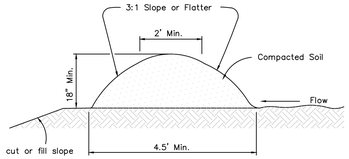
NOTE:
THIS REPRESENT THE OPTIMUM LOCATION OF THE TEMPORARY SEDIMENT BASIN. OTHER ON-SITE LOCATIONS MAY ALSO BE APPROPRIATE.

TEMPORARY SEDIMENT BASIN

N.T.S.



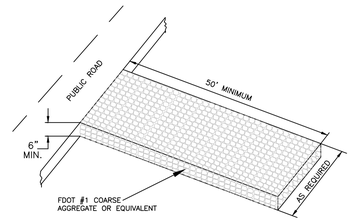
LEVEL SPREADER



TEMPORARY DIVERSION DIKE

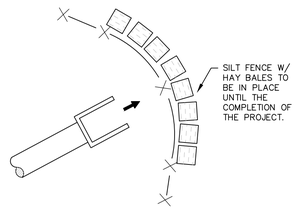
DIVERSION DIKE

(D-914) N.T.S.



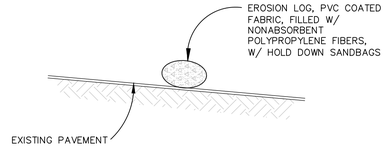
STABILIZED CONSTRUCTION ENTRANCE

N.T.S.



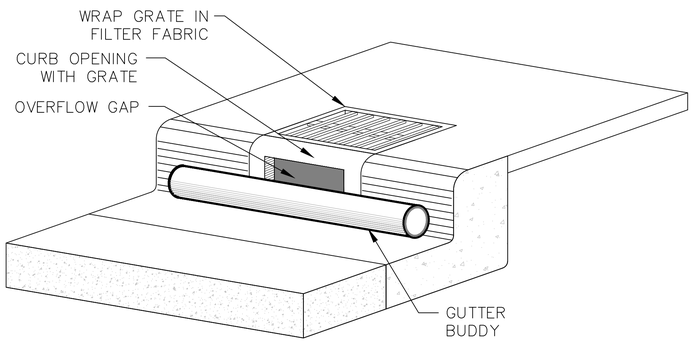
OUTLET PROTECTION

N.T.S.



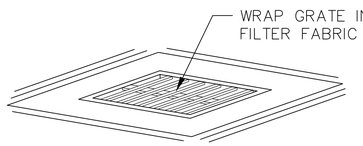
EROSION LOG

N.T.S.



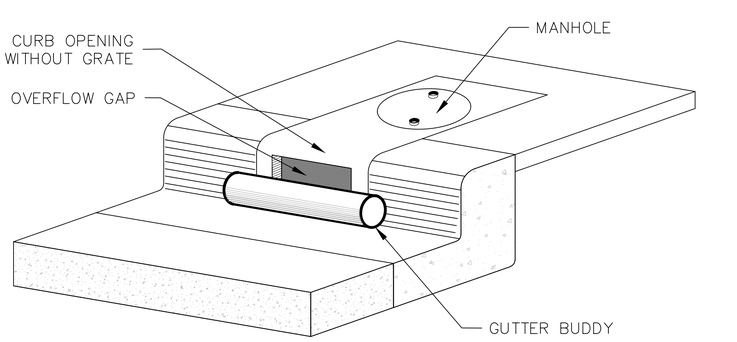
TYPE 1 INLET PROTECTION

N.T.S.



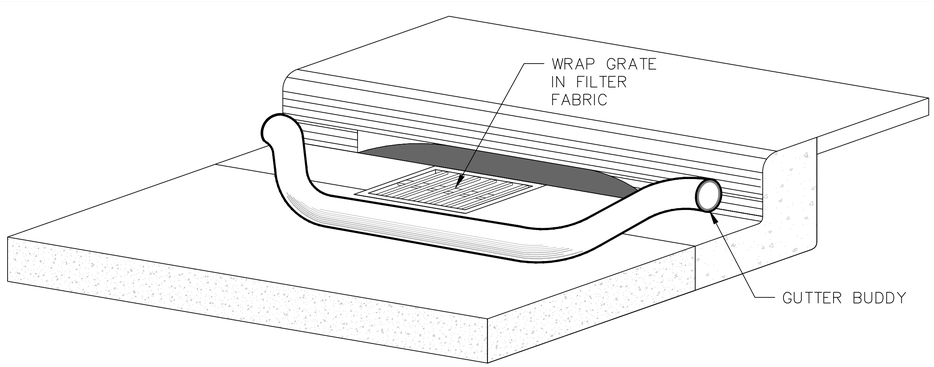
TYPE 2 INLET PROTECTION

N.T.S.



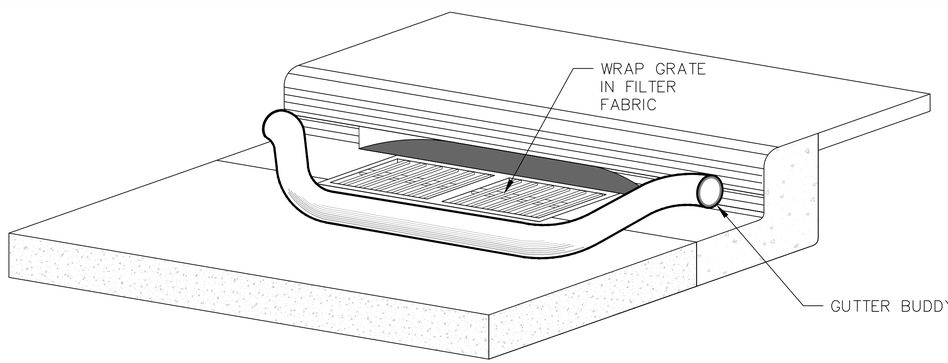
TYPE 3 INLET PROTECTION

N.T.S.



TYPE 4 INLET PROTECTION

N.T.S.



TYPE 5 INLET PROTECTION

N.T.S.

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200 WEST FORSYTH STREET, (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

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Business Number CA 27598

C&ES

DESIGNER:	CJMA
DRAWN BY:	BTP
DATE:	MAY 2021
CHECKED BY:	FEG
DATE:	MAY 2021

DESIGN ENGINEER:
FLORIDA REGISTRATION NO.

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
EROSION CONTROL NOTES & DETAILS 3

NO. SHEETS	PROJ. NO.	D3254953
112	DATE:	MAY 2021
SHEET NO. 86	SCALE:	NTS
DRAWING NO. CD-4		

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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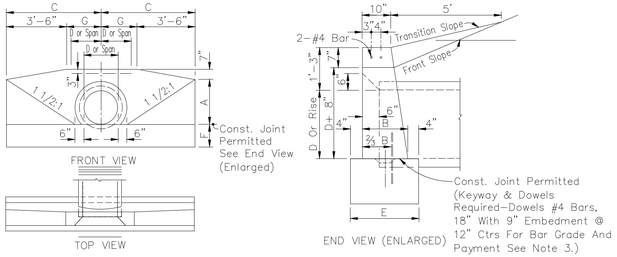
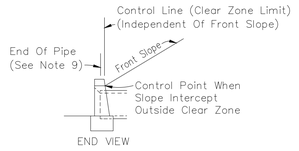


ENDWALL DIMENSIONS (EXCLUSIVE OF MULTIPLE PIPE SPACING)



STANDARD
LOCATION CONTROL

GENERAL NOTES

1. Endwall dimensions, locations and positions are for round and elliptical concrete pipe and for round and pipe-arch corrugated metal pipe. Round concrete pipe shown. See plates D-403, 404, & 405.
2. Endwalls may be cast in place or precast concrete. Reinforcing steel shall be Grades 40 or 60. Additional reinforcement necessary for handling precast units shall be determined by the Contractor or the supplier. Cost of reinforcement shall be included in the contract unit price for concrete, (endwalls).
3. All exposed corners and edges of concrete are to be chamfered 3/4".
4. Concrete meeting the requirements of ASTM C-478 (4000 psi) may be used in lieu of Class ~ concrete in precast items manufactured in plants which are under the Standard Operating Procedures for the inspection of precast drainage products.
5. On outfall ditches with side slopes flatter than 1 1/2:1 provide 20' transitions from the endwall to the flatter side slopes, right of way permitting.
6. Pipe length plan quantities shall be based on the pipe end locations shown in the standard location control end view, or lengths based on special endwall locations called for in the plans.

STRAIGHT CONCRETE ENDWALLS
SINGLE AND MULTIPLE PIPE

PLATE: D-401

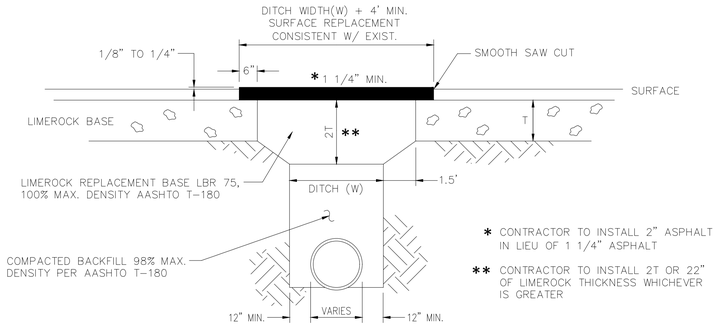
RISE	SPAN	CONCRETE ELLIPTICAL PIPE														
		Opening Area (SF) Number of Pipes				Dimensions							X			
		1	2	3	4	A	B	C	E	F	G	S	0°	15°	30°	45°
12"	18"	1.3	2.6	3.9	5.2	1'-8"	1'-2"	3'-9"	1'-10"	1'-2"	0'-3"	2'-10"	2'-10"	2'-11"	3'-3"	4'-0"
14"	23"	1.8	3.6	5.4	7.2	1'-10"	1'-3"	4'-2 1/2"	1'-11"	1'-3"	0'-8 1/2"	3'-5"	3'-5"	3'-6"	3'-11"	4'-10"
19"	30"	3.3	6.6	9.9	13.2	2'-3"	1'-4"	5'-1 1/2"	2'-0"	1'-4"	1'-7 1/2"	4'-2"	4'-2"	4'-4"	4'-10"	5'-11"
24"	38"	5.1	10.2	15.3	20.4	2'-8"	1'-5"	6'-3"	2'-1"	1'-5"	2'-9"	5'-2"	5'-2"	5'-4"	6'-0"	7'-4"
29"	45"	7.4	14.8	22.2	29.6	3'-1"	1'-6"	7'-0"	2'-2"	1'-6"	3'-6"	6'-0"	6'-0"	6'-3"	6'-11"	8'-6"
34"	53"	10.2	20.4	30.6	40.8	3'-6"	1'-7"	7'-11 1/2"	2'-3"	1'-7"	4'-5 1/2"	7'-1"	7'-1"	7'-4"	8'-2"	10'-0"
38"	60"	12.9	25.8	38.7	51.6	3'-10"	1'-8"	8'-9"	2'-4"	1'-8"	5'-3"	7'-11"	7'-11"	8'-2"	9'-2"	11'-2"
43"	68"	16.6	33.2	49.8	66.4	4'-3"	1'-10"	9'-8 1/2"	2'-6"	1'-10"	6'-2 1/2"	8'-10"	8'-10"	9'-2"	10'-2"	12'-6"
48"	76"	20.5	41.0	61.5	82.0	4'-8"	2'-1"	10'-8"	2'-9"	2'-0"	7'-2"	9'-9"	9'-9"	10'-1"	11'-3"	13'-9"
53"	83"	24.8	49.6	74.4	99.2	5'-1"	2'-6"	11'-7"	3'-2"	2'-6"	8'-1"	10'-7"	10'-7"	10'-11"	12'-3"	15'-0"
58"	91"	29.5	59.0	88.5	118.0	5'-6"	2'-10"	12'-6 1/2"	3'-6"	2'-10"	9'-0 1/2"	11'-4"	11'-4"	11'-9"	13'-1"	16'-0"

RISE	SPAN	CONCRETE ELLIPTICAL PIPE														
		Concrete (CY)												Span	Rise	Appox. Equiv. Round Pipe
		Number Of Pipe And Skew Angle Of Pipe														
		Single	Double			Triple				Quadruple						
		0°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°			
12"	18"	1.09	1.45	1.46	1.51	1.60	1.80	1.82	1.91	2.09	2.16	2.20	2.33	2.60	12"	18"	15"
14"	23"	1.36	1.82	1.84	1.89	2.01	2.29	2.32	2.43	2.68	2.75	2.80	2.97	3.33	14"	23"	18"
19"	30"	1.89	2.55	2.57	2.65	2.82	3.22	3.27	3.43	3.77	3.88	3.95	4.19	4.70	19"	30"	24"
24"	38"	2.64	3.55	3.58	3.69	3.93	4.48	4.54	4.77	5.24	5.39	5.49	5.82	6.53	24"	38"	30"
29"	45"	3.32	4.48	4.52	4.66	4.96	5.64	5.72	6.00	6.60	6.80	6.92	7.34	8.24	29"	45"	36"
34"	53"	4.24	5.76	5.81	6.00	6.39	7.29	7.40	7.76	8.55	8.81	8.97	9.52	10.7	34"	53"	42"
38"	60"	5.22	7.16	7.23	7.46	7.96	9.10	9.24	9.70	10.7	11.1	11.2	12.0	13.5	38"	60"	48"
43"	68"	6.63	9.01	9.09	9.38	10.0	11.4	11.6	12.1	13.4	13.8	14.0	14.9	16.7	43"	68"	54"
48"	76"	8.66	11.7	11.8	12.2	13.0	14.8	15.0	15.8	17.4	17.9	18.2	19.3	21.7	48"	76"	60"
* 53"	83"	12.5	16.9	16.9	17.7	18.8	21.5	21.8	22.9	25.2	26.0	26.4	28.1	31.6	53"	83"	66"
58"	91"	16.5	22.3	22.5	23.2	24.7	28.0	28.5	29.9	32.9	33.9	34.5	36.6	41.0	58"	91"	72"

* SPECIAL ORDER; NOT STANDARD SIZE

STRAIGHT CONCRETE ENDWALLS
SINGLE AND MULTIPLE PIPE

PLATE: D-405



* CONTRACTOR TO INSTALL 2" ASPHALT IN LIEU OF 1 1/4" ASPHALT

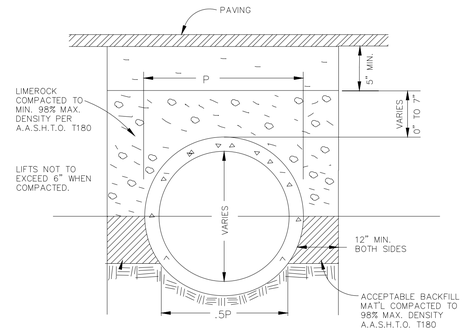
** CONTRACTOR TO INSTALL 2T OR 22" OF LIMEROCK THICKNESS WHICHEVER IS GREATER

PERMANENT REPAIR

NOTE:
IN SOME CASES PORTLAND CEMENT CONCRETE MAY BE CONSIDERED OR REQUIRED BY CITY ENGINEER FOR SURFACE REPLACEMENT.

STANDARD PAVING REPAIR DETAIL

PLATE: P-409



NOTE:
THIS STANDARD IS TO BE USED ONLY WHEN EXISTING CONDITIONS REQUIRED LESS THEN THE STANDARD 12" OF COVER & WHEN IT IS SHOWN THAT TRAFFIC LOADS WILL NOT DAMAGE THE PIPE. SPECIAL APPROVAL BY CITY ENGINEER IS REQUIRED FOR USE OF THIS STANDARD.

CULVERT PLACEMENT WITH
LESS THAN 12" COVER

PLATE: D-804

NOTE:

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS DO NOT STAND BY THEMSELVES. ALSO TO BE INCLUDED IS THE CITY STANDARD SPECIFICATIONS AND DETAILS, DATED AUG. 1996 AND ALL REVISIONS THERETO.

Jacobs
200 WEST FORSYTH STREET, (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO.	BY	DATE	REVISIONS
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C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1188
Business Number CA 27598

DESIGNER: CNM
DRAWN BY: DTP
DATE: MAY 2021
CHECKED BY: FEG
DATE: MAY 2021
DESIGN ENGINEER
FLORIDA REGISTRATION NO.

JEA Building Community℠

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
CIVIL SITE DETAILS 1

PROJ. NO. D3254953
DATE: MAY 2021
SCALE: NTS

NO. SHEETS 112
SHEET NO. 87
DRAWING NO. CD-5

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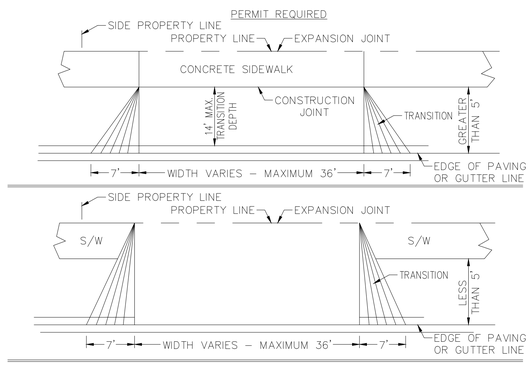
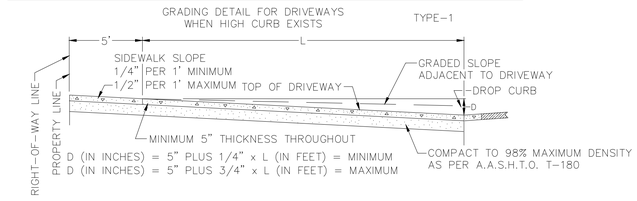
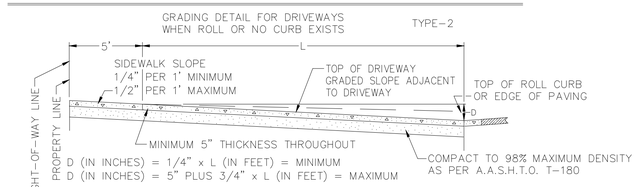


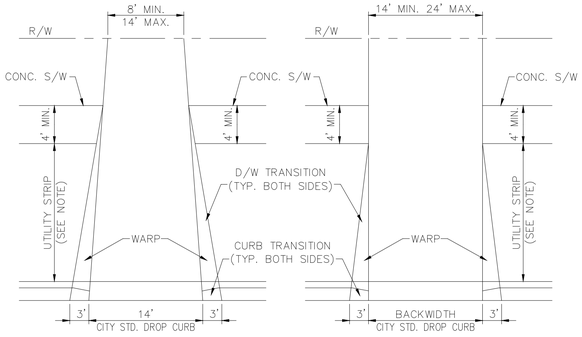




NOTE: MOST DRIVEWAY GRADES CAN BE MADE TO FIT THE ABOVE STANDARDS. DRIVEWAYS AND CROSS-OVERS TO BE A MINIMUM OF 2500 P.S.I. CONCRETE. DRIVEWAY NOT TO EXCEED LIMIT OF SIDE PROPERTY LINE. UNDERGROUND UTILITIES MAY EXIST ON SITE. CONTRACTOR SHALL CONTACT PROPER AUTHORITIES PRIOR TO CONSTRUCTION.

OPTIONAL FLARED COMMERCIAL CONCRETE DRIVEWAY DETAILS

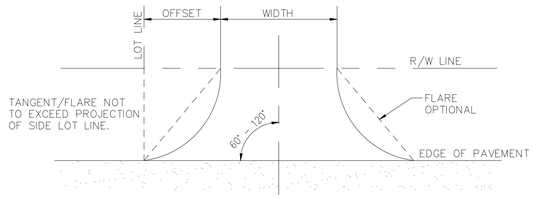
PLATE: P-206

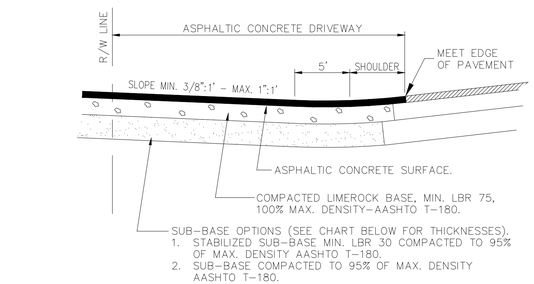


NOTE:
WHERE UTILITY STRIP IS LESS THAN 5', D/W TRANS. TO MEET BACK OF S/W. WHERE UTILITY STRIP IS 5' OR GREATER, D/W TRANS. TO MEET FRONT OF S/W.

STANDARD & OPTIONAL FLARED CONCRETE DRIVEWAY DETAIL

PLATE: P-205



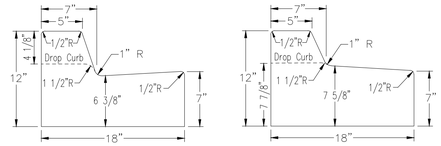


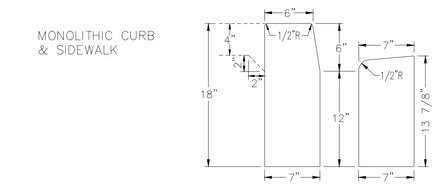
1. ALL DRIVEWAYS CONSTRUCTED WITHIN CITY MAINTAINED RIGHT-OF-WAYS SHALL CONFORM TO CITY STANDARDS. A PERMIT MUST BE ISSUED BY THE DEPARTMENT OF PUBLIC WORKS FOR ALL SUCH WORK.
2. ALL MATERIALS SHALL CONFORM TO CITY STANDARDS.
3. ALL DRIVEWAYS CONSTRUCTED WITHIN STATE MAINTAINED RIGHT-OF-WAYS SHALL CONFORM TO D.O.T. STANDARDS.

DRIVEWAY TYPE	MIN. WIDTH	MAX. WIDTH	PAVEMENT OPTION #1			PAVEMENT OPTION #2			MIN. RADIUS	MIN. OFFSET	OPTIONAL FLARE
			ASPHALT	LIMEROCK	STABILIZED SUB-BASE	ASPHALT	LIMEROCK	STABILIZED SUB-BASE			
CLASS I RESIDENTIAL	8'	24'	1 1/4"	6"	6"	1 1/4"	8"	4"	3'	3'	3'
CLASS II COMMERCIAL	24'	36'	1 1/4"	6"	12"	1 1/4"	8"	6"	30'	30'	7'
CLASS III HIGH VOLUME	24'	36'	1 1/2"	8"	12"	1 1/4"	12"	12"	30'	30'	N/A

STANDARD ASPHALTIC CONCRETE DRIVEWAY

PLATE: P-204



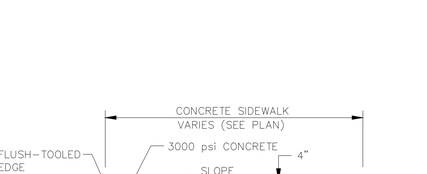


CONCRETE QUANTITES

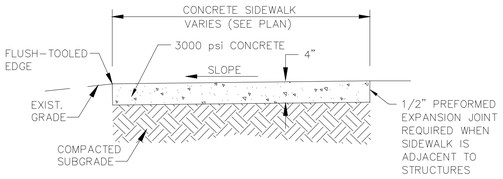
CITY STANDARD CURB	.0388889	CU. YD./LIN. FT.
STANDARD DROP CURB	.0322222	CU. YD./LIN. FT.
MEDIAN CURB	.0411111	CU. YD./LIN. FT.
MIAMI CURB	.0325926	CU. YD./LIN. FT.
HEADER CURB	.0314815	CU. YD./LIN. FT.
HEADER DROP CURB	.0244444	CU. YD./LIN. FT.

CITY STANDARD CURB TEMPLATES

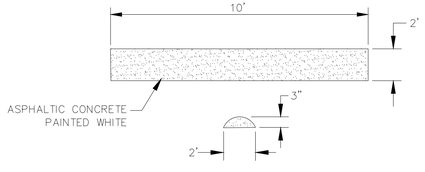
PLATE: P-301



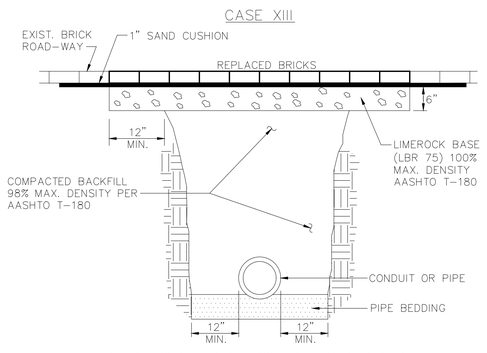
GRAVEL DRIVEWAY DETAIL



CONCRETE SIDEWALK DETAIL



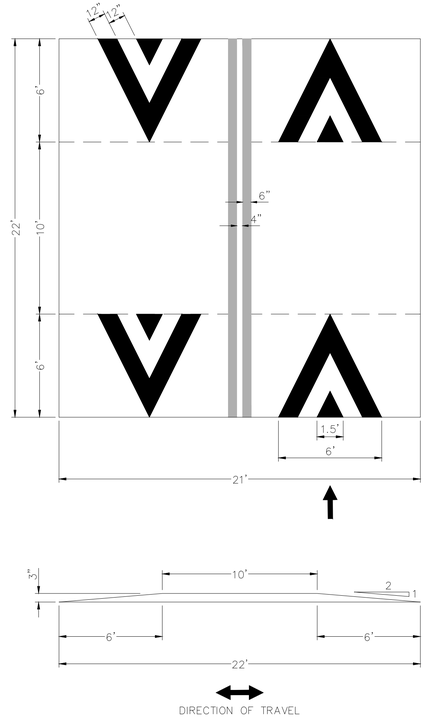
SPEED BUMP DETAIL



ALL BRICKS ARE TO BE REUSED IN EXCAVATED AREA.

STANDARD BRICK STREET REPAIR DETAIL

PLATE: P-412



SPEED TABLE DETAIL

Jacobs
200 WEST FORSYTH STREET, (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO.	BY	DATE	REVISIONS
6.			
5.			
4.			
3.			
2.			
1.			

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

DESIGNER:	CJM	DESIGN ENGINEER:	
DRAWN BY:	BTP		
DATE:	MAY 2021	FLORIDA REGISTRATION NO.	
CHECKED BY:	FEG		
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
CIVIL SITE DETAILS 2

PROJ. NO.	D3254963
DATE:	MAY 2021
SCALE:	NTS

NO. SHEETS	112
SHEET NO.	88
DRAWING NO.	CD-6

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

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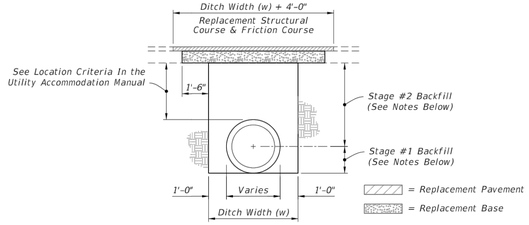


NOTES:

PAVEMENT REMOVAL AND REPLACEMENT

1. Pavement shall be mechanically sawed.
2. The replacement asphalt shall match the existing structural and friction courses for type and thickness in accordance with current FDOT asphalt mix specifications.
3. The new base materials shall be either of the same type and composition as the materials removed or of equal or greater structural adequacy.

BACKFILL OPTION

1. COMPACTED AND STABILIZED FILL

A. Place backfill material in accordance with Specification 125.

B. In Stage #1, construct compacted fill beneath the haunches of the pipe, using mechanical tamps suitable for this purpose. This compaction applies to the material placed beneath the haunches of the pipe and above any bedding.

C. In Stage #2, construct compacted fill along the sides of the pipe and up to the bottom of the base, with the upper 12" receiving Type B Stabilization. In lieu of Type B Stabilization, the Contractor may construct using Optional Base Group 3.

2. FLOWABLE FILL

A. If compaction can not be achieved through normal mechanical methods then flowable fill may be used.

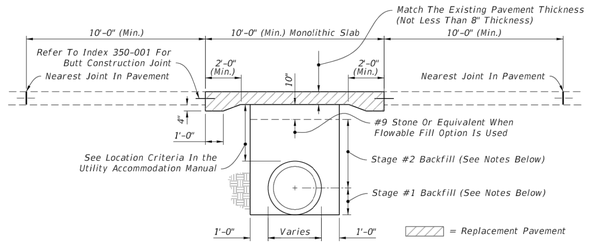
B. Flowable fill is to be placed in accordance with Specification 121, as approved by the Engineer.

C. Do not allow the utility being installed to float. If a method is provided to prevent flotation from occurring, Stages #1 and #2 can be combined, if approved by the Engineer.

D. In Stage #1, place flowable fill midway up on both sides of the utility. Allow to harden before placing Stage #2.

E. In Stage #2, place flowable fill to the bottom of the existing base course.

FLEXIBLE PAVEMENT CUT



NOTES:

PAVEMENT REMOVAL AND REPLACEMENT

1. High early strength cement concrete (3000 psi) meeting the requirements of Specification 346 shall be used for rigid pavement replacement.
2. Pavement shall be mechanically sawed and restored to conform with existing pavement joints within 12 hours. (See Index 350-001)

BACKFILL OPTION

1. GRANULAR BACKFILL

A. Any edgedrain system that is removed shall be replaced with the same type materials. Any edgedrain system that is damaged shall be repaired with methods approved by the Engineer.

B. Fill material shall be placed in accordance with the Standard Specifications. Fill material shall be special select soil in accordance with Index 350-001.

C. In Stage #1, construct compacted fill beneath the haunches of the pipe, using mechanical tamps suitable for this purpose. This compaction applies to the material placed beneath the haunches of the pipe and above any bedding.

D. In Stage #2, construct fill along the sides of the pipe and up to the bottom of replacement pavement.

2. FLOWABLE FILL

A. If mechanical compaction can not be achieved through normal mechanical methods then flowable fill may be used.

B. Flowable fill is to be placed in accordance with Specification 121, as approved by the Engineer.

C. Do not allow the utility being installed to float. If a method is provided to prevent flotation from occurring, Stages #1 and #2 can be combined, if approved by the Engineer.

D. In Stage #1, place flowable fill midway up on both sides of the utility. Allow to harden before placing Stage #2.

E. In Stage #2, place flowable fill to the bottom of the stone layer.

RIGID PAVEMENT CUT

GENERAL NOTES

1. The details provided in this Index apply to cases in which jack and bore or directional boring methods are not required by the Engineer.
2. Flowable fill shall not be placed directly over loose, or high plastic, or muck material (see Index 120-001) which will cause settlement due to fill weight. Where highly compressible material exists, the amount, shape and depth of flowable fill must be engineered to prevent pavement settlement.
3. These details do not apply to utility cuts longitudinal to the centerline of the roadway which may require the additional use of geotextiles, special bedding and backfill, or other special requirements.
4. Method of construction must be approved by the Engineer.
5. Some pipe may require special granular backfill up to 6" above top of pipe. Geotextiles may be required to encapsulate the special granular material.
6. Where asphalt concrete overlays exist over full slab concrete pavement, the replacement pavement shall have an overlay constructed over the replacement slab. The overlay shall match the existing asphalt pavement thickness. The replacement friction course shall match the existing friction course, except structural course may be used in lieu of dense graded friction course.
7. All shoulder pavement, curb, curb and gutter, and their substructure disturbed by utility trench cut construction shall be restored in kind.
8. The use of flowable fill to reduce the time traffic is taken off a facility is acceptable but must have prior approval by the Engineer. Flowable fill use is allowed only when properly engineered for pavement crossings, whether straight or diagonal, and shall not be installed for significant depths or lengths. The maximum length shall be fifty (50) feet and a maximum depth of six (6) feet unless supported by an engineering document prepared by a registered professional engineer that specializes in soils engineering. The engineering document shall address the evaluation of local groundwater flow interruption and settlement potential.
9. Excavatable flowable fill is to be used when the flowable fill option is selected.

TRENCH CUTS AND RESTORATIONS ACROSS ROADWAYS

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2020-21 STANDARD PLANS	UTILITY ADJUSTMENTS THRU EXISTING PAVEMENT	INDEX	SHEET
11/01/17						125-001	1 of 2

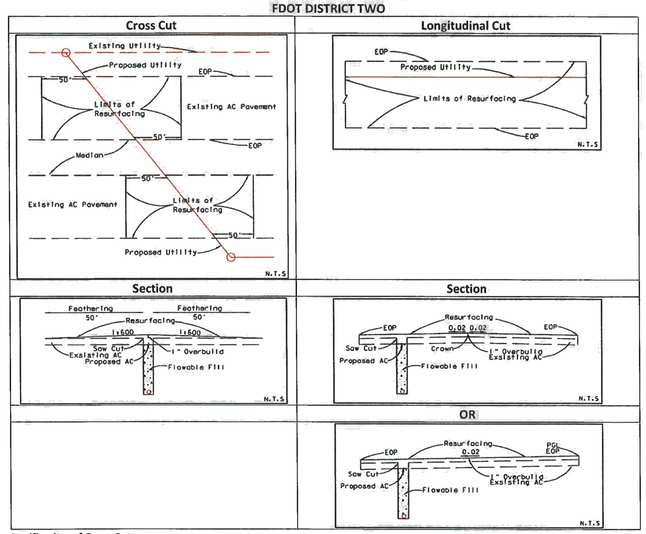
10/14/2019

FDOT D2 OPEN CUT REPAIR REQUIREMENTS:

ALL OPEN CUT REPAIRS WITHIN THE ROADWAY OR DRIVEWAY WILL REQUIRE THE FOLLOWING ITEMS TO BE ADDRESSED :

1. ALL WORK MUST CONFORM TO THE MOST CURRENT MANUALS: UTILITY ACCOMMODATION MANUAL (UAM), FDOT DESIGN MANUAL (FDM), FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (SPECS).
2. OPEN CUTS UNDER THE CURB MUST BE FILLED WITH FLOWABLE FILL.
3. ALL OPEN CUTS GREATER THAN 3 CUBIC YARDS WILL REQUIRE EXCAVATABLE FLOWABLE FILL. REFER TO STANDARD PLAN INDEX 125-001.
4. OPEN CUTS SMALLER THAN 3 CUBIC YARDS MAY BE FILLED WITH A CEMENT AND SAND TYPE BAG MIX, PROVIDED THAT PROOF OF THE MIX IS APPROVED BY THE ENGINEER.
5. ALL CUTS WITHIN THE ROADWAY, BIKE LANE, PARKING LANE, OR DRIVEWAY SHALL BE COVERED WITH A TRAFFIC PLATE AND SURROUNDED WITH COLD MIX ASPHALT WITH A 1:50 SLOPE ON THE EDGE OF THE PLATE PER STANDARD PLAN INDEX 120-001.
6. THE STRUCTURAL AND FRICTION COURSE SHALL BE KEYED IN PER STANDARD PLAN INDEX 125-001 AND REPLACE THE ENTIRE WIDTH OF THE TRAVEL LANE(S).
7. PARKING LANES SHALL BE PATCHED THE WIDTH OF THE HOLE PLUS THE REQUIRED KEY IN.
8. ALL OPEN CUTS SHALL REQUIRE FRICTION COURSE MATCHING THE EXISTING ROADWAY.
9. ALL OPEN CUTS WITHIN CONCRETE DRIVEWAYS AND SIDEWALKS SHALL BE REPLACED JOINT TO JOINT.
10. ALL FLOWABLE FILL USED SHALL REQUIRE A PENETROMETER TEST.
11. PAVEMENT MARKINGS THAT ARE REMOVED SHALL BE REPLACED WITH THE SAME TYPE.
12. ALL ADA RAMPS DAMAGED DURING CONSTRUCTION SHALL BE BROUGHT UP TO CURRENT STANDARDS AS PER FDOT STANDARD PLAN INDEX 522-002.
13. ANY OPEN CUTS LARGER THAN 12' x50' WILL REQUIRE THE REPLACEMENT OF THE LIMEROCK BASE OR FULL DEPTH ASPHALT PER FDOT STANDARD PLAN INDEXES 330-001, 350-001, 353-001, AND/OR 370-001.
14. FOR UTILITY OPEN CUTS, THE UTILITY OWNER OR THEIR CONTRACTOR SHALL NOTIFY THE FDOT LOCAL MAINTENANCE UNIT BY THE FOLLOWING DAY FOR ALL EMERGENCIES.
15. THE USE OF BEST MANAGEMENT PRACTICE FOR EROSION AND SEDIMENT CONTROL IS REQUIRED. ANY DEBRIS OR SEDIMENT CRATED FROM THE PROJECT SHALL BE REMEDIATED.

OPEN TRENCHING GUIDELINE
FDOT DISTRICT TWO



Justification of Open Cut

1. Permittee shall provide written documentation showing why the permittee believes a deviation from the FDOT's standards is justified.
2. This documentation shall be included in the application package.
3. Documentation shall include the location of proposed utility or pipe, horizontal dimensions of open cut and depth.

Back Fill Material

1. Back fill material shall be limited to excavatable flowable fill.
2. Limits shown in Standard Plan Index 125-001.

Pavement Design

1. Pavement Design shall be submitted with the permit application or work plan.
2. The Pavement Design shall include type of pavement and thickness

Resurfacing & Traffic Markings

1. See Details above for limits of resurfacing.
2. Pavement markings shall be placed back to match existing conditions.

Exceptions

1. Open Cuts proposed within 12 months of lettings of a Programmed Resurfacing project can limit resurfacing to the extent of the trench.
2. Small repairs, subject to approval, can limit resurfacing to the extent of the repair

Warranty of Work

1. Warranty all work for a period of two year. At the request of the Department, warranty repairs shall be completed within 30 days, and warranted for an additional year.

Jacobs
200 WEST FORSYTH STREET, SUITE 1520 JACKSONVILLE, FL 32202
T: (904) 636-5432
F: (904) 636-5433
COA # 2822

NO.	BY	DATE	REVISIONS
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1.			

C&ES
Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1188
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER	FLORIDA REGISTRATION NO.
DRAWN BY:	CNM		
DATE:	MAY 2021		
CHECKED BY:	FEG		
DATE:	MAY 2021		

JEA Building Community sm

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
FDOT D2 NOTES & DETAILS

PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	NTS

NO. SHEETS	SHEET NO.	DRAWING NO.
117	89	CD-7

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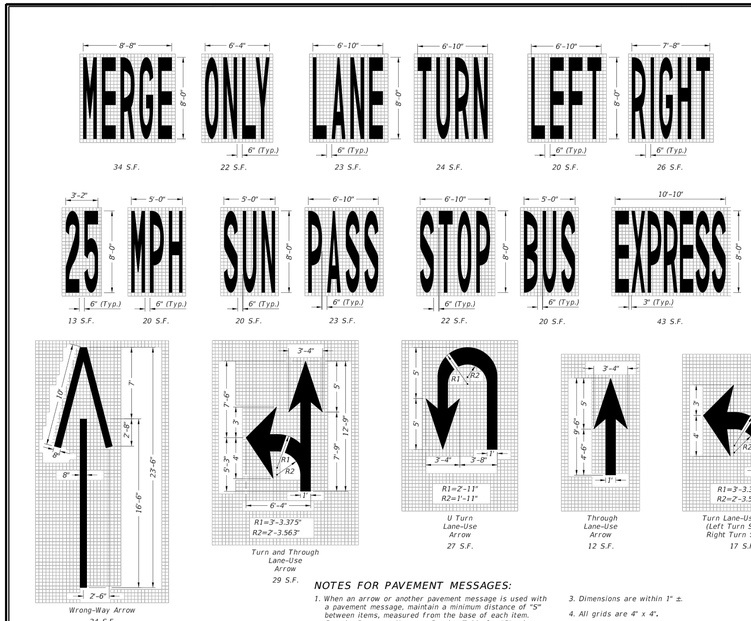


NOTES FOR PAVEMENT MESSAGES:

1. When an arrow or another pavement message is used with a pavement message, maintain a minimum distance of "S" between items, measured from the base of each item. See the Pavement Message Spacing Table for "S" value.
2. Place all pavement messages 25' back from the stop line.
3. Dimensions are within 1" ±.
4. All grids are 4" x 4".
5. All pavement messages must be white except route shields.
6. Increase width of route shield for routes with three digits.

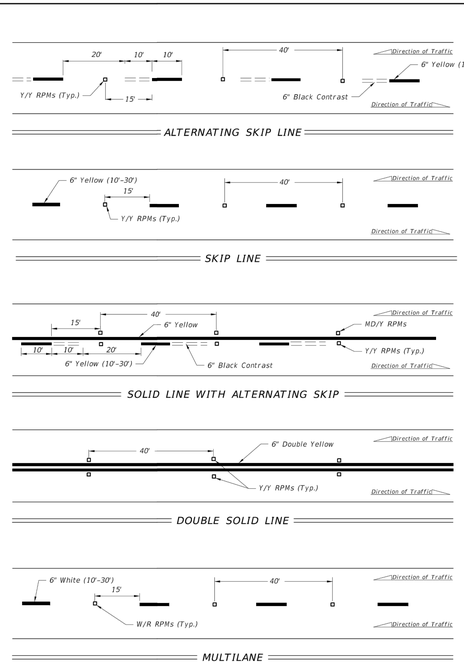
PAVEMENT MESSAGE SPACING TABLE	
Posted Speed (mph)	Distance "S" (feet)
≤ 25	40
30 – 35	56
40 – 45	72
≥ 50	88

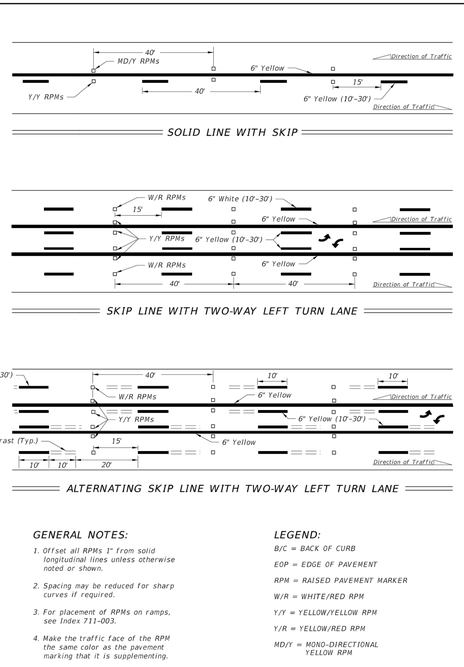
PAVEMENT MESSAGE AND ARROW DETAILS

GENERAL NOTE:

1. See Index 509-070 for pavement markings at railroad crossings.

LAST REVISION	DESCRIPTION:				
11/01/19		FDOT FY 2020-21 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 1 of 13





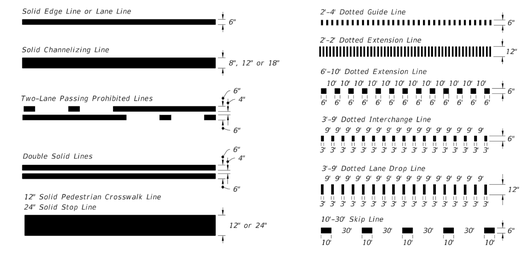
GENERAL NOTES:

1. Offset all RPMs 1" from solid longitudinal lines unless otherwise noted or shown.
2. Spacing may be reduced for sharp curves if required.
3. For placement of RPMs on ramps, see Index 711-003.
4. Make the traffic face of the RPM the same color as the pavement marking that it is supplementing.

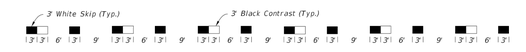
LEGEND:

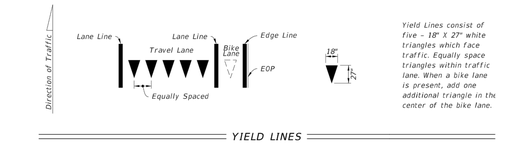
B/C = BACK OF CURB
EOP = EDGE OF PAVEMENT
RPM = RAISED PAVEMENT MARKER
W/R = WHITE/RED RPM
Y/Y = YELLOW/YELLOW RPM
Y/R = YELLOW/RED RPM
MD/Y = MONO-DIRECTIONAL YELLOW RPM

LAST REVISION	DESCRIPTION:				
11/01/18		FDOT FY 2020-21 STANDARD PLANS	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS	INDEX 706-001	SHEET 1 of 6









LAST REVISION	DESCRIPTION:				
11/01/19		FDOT FY 2020-21 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 2 of 13

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION
PAVEMENT MARKINGS STANDARDS

1. PAVEMENT MARKINGS SHOULD BE PLACED AS SHOWN ON THE PLANS AND DETAIL SHEETS.
2. ANY REQUIRED TEMPORARY MARKINGS MUST BE IN PLACE BEFORE OPENING LANES OF TRAFFIC. PAY ITEMS FOR TEMPORARY PAVEMENT MARKINGS ARE TO BE INCLUDED IN THE TABULATION OF QUANTITIES.
3. THE REMOVAL OF EXISTING PAVEMENT MARKINGS WILL BE CONSIDERED AN INCIDENTAL ITEM WITH NO ADDITIONAL COMPENSATION PROVIDED.
4. ALL PERMANENT PAVEMENT MARKINGS SHALL BE EXTRUDED THERMOPLASTIC AND MEET CURRENT CITY OF JACKSONVILLE SPECIFICATIONS AND/OR FDOT STANDARD SPECIFICATIONS, LATEST EDITION.
5. THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE PLACED NO SOONER THAN 30 CALENDAR DAYS AFTER THE COMPLETION OF THE FINAL PAVEMENT LAYER.
6. A BITUMINOUS REFLECTIVE PAVEMENT MARKER (RPM) ADHESIVE MEETING CURRENT CITY OF JACKSONVILLE AND/OR FDOT SPECIFICATIONS SHALL BE USED ON ASPHALT ROADWAYS.
7. THE CONTRACTOR SHALL USE CLASS – B REFLECTIVE PAVEMENT MARKERS (RPMS) INSTALLED TO MEET CURRENT CITY OF JACKSONVILLE SPECIFICATIONS AND/OR FDOT STANDARD SPECIFICATIONS.
8. REFLECTIVE PAVEMENT MARKERS THAT DO NOT CONFLICT WITH PERMANENT (THERMOPLASTIC) MARKINGS SHALL BE PLACED ON ALL FINAL ASPHALTIC CONCRETE SURFACES IMMEDIATELY AFTER THE TEMPORARY PERMANENT STRIPING IS IN PLACE.
9. PAVEMENT MARKINGS REMOVAL;
(A) PAINT BLACKOUT METHOD OF PAVEMENT MARKINGS REMOVAL IS NOT ACCEPTABLE.
(B) GRINDING OR HYDRO BLAST METHODS SHALL BE USED ON WEATHERED ASPHALT SURFACES.
(C) REMOVAL ON NEW ASPHALT SURFACES SHALL BE BY HYDRO BLAST METHOD ONLY.
10. THE CONTRACTOR SHALL CONTACT THE PAVEMENT MARKING INSPECTOR (904) 255-7550 48 HOURS PRIOR TO INSTALLING ANY PAVEMENT MARKINGS ON ANY CITY OF JACKSONVILLE ROADWAY OR STREET.
11. IN THE EVENT OF A CONFLICT BETWEEN THE SPECIFICATIONS OF THE CITY OF JACKSONVILLE AND THE SPECIFICATIONS OF THE FDOT, THE CITY OF JACKSONVILLE WILL PREVAIL.

Jacobs
200 WEST FORSYTH STREET, (904) 636-5432
SUITE 1520 F: (904) 636-5433
JACKSONVILLE, FL 32202 COA # 2822

NO.	BY	DATE	REVISIONS
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C&ES Construction & Engineering Services Consultants, Inc.
9432 Baymeadows Road, Suite 100
Jacksonville, FL 32256
Tel: (904) 652-1186
Business Number CA 27598

DESIGNER:	CNM	DESIGN ENGINEER:	
DRAWN BY:	BTP		
DATE:	MAY 2021	FLORIDA REGISTRATION NO.	
CHECKED BY:	FEG		
DATE:	MAY 2021		

JEA Building Community sm

PROJ. NO.	D32549S3
DATE:	MAY 2021
SCALE:	NTS

NO. SHEETS	112
SHEET NO.	90
DRAWING NO.	CD-8

JEA PROJ NO.: 8004887

PROJ TITLE: SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP WATER TRANSMISSION MAIN

SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
PAVEMENT MARKING NOTES & DETAILS

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MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL MOT SHALL BE IN CONFORMANCE WITH FDOT, COJ AND MUTCD STANDARDS.
2. CONTRACTOR SHALL NOTIFY THE FDOT MAINTENANCE PERMITS DEPARTMENT AND CITY TRAFFIC OPERATIONS (904-255-7533) A MINIMUM OF 5 WORKING DAYS PRIOR TO IMPLEMENTATION OF THE MOT UNLESS OTHERWISE NOTED.
3. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, WARNING SIGNS, AND MARKINGS FOR HAZARDS AND THE CONTROL OF TRAFFIC IN REASONABLE CONFORMITY WITH THE U.S. DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, OR AS DIRECTED BY THE OWNER SUCH AS TO EFFECTIVELY PREVENT ACCIDENTS IN ALL PLACES WHERE THE WORK CAUSES OBSTRUCTION TO THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC.
4. THE CONTRACTOR SHALL PROVIDE THE JEA WITH THE NAME AND PHONE NUMBER OF THE PERSON ON THE CONTRACTOR'S STAFF DESIGNATED TO BE RESPONSIBLE FOR THE IMPLEMENTATION OF ALL PHASES OF MOT PRIOR TO THE BEGINNING OF CONSTRUCTION.
5. CONFLICTING OR MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED BY HYDRO-BLASTING OR OTHER METHODS AS APPROVED BY THE FDOT WHEN IN THE FDOT R/W OR BY CITY TRAFFIC WHEN IN THE CITY R/W. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE REMOVED FOR MOT PURPOSES SHALL BE REPLACED BEFORE COMPLETION OF THE PROJECT.
6. THE REFLECTIVE SHEETING ON SIGNS, CONES AND BARRICADES SCRATCHED OR DAMAGED TO THE POINT THAT REFLECTIVITY IS IMPAIRED SHALL BE REPLACED. DAMAGED, DEFACED OR DIRTY SIGNS, CONES OR BARRICADES SHALL IMMEDIATELY BE REPAIRED, REPLACED OR CLEANED BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING FORMAL MOT INSPECTIONS AND SHALL IMMEDIATELY REPLACE ALL EQUIPMENT AND DEVICES NOT CONFORMING TO FDOT AND CITY STANDARDS. THESE SHALL TAKE PLACE AT LEAST ONCE A WEEK. SOME OF THE INSPECTIONS SHALL BE CONDUCTED AT NIGHT. THE JEA SHALL BE ADVISED OF THE SCHEDULE OF THE INSPECTIONS AND BE GIVEN THE OPPORTUNITY TO JOIN IN THE INSPECTION.
8. SHORT TERM STOPPING OR PARKING OF A VEHICLE OR PLACING ANYTHING ELSE NEXT TO THE WORK AREA (FOR EXAMPLE, A STACK OF CONES, PARKED CONSTRUCTION EQUIPMENT/VEHICLES, ETC.) CREATES A CHANNEL EFFECT WHICH CAN ADVERSELY AFFECT TRAFFIC FLOW THEREFORE ALL CONSTRUCTION EQUIPMENT SHALL BE PLACED A MINIMUM OF 5 FEET FROM THE TRAVEL LANE WHEN NOT IN USE. OVERNIGHT STORAGE SHALL BE IN AN APPROPRIATELY SIGNED AND BARRICADED AREA.
9. ALL DROP OFFS ALONG CONSTRUCTION WORK ZONES SHALL BE HANDLED AS PER FDOT STANDARD PLANS INDEX 102-600 CURRENT EDITION.
10. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER EMERGENCY CONDITIONS MAY REQUIRE THE OWNER TO MODIFY ANY TRAFFIC CONTROL SHOWN IN THESE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS, AS DIRECTED BY THE OWNER WITHOUT DELAY.
11. DUST CONTROL MEASURES SHALL BE IMPLEMENTED ON ALL UNPAVED SURFACES UNTIL PAVED.
12. TEMPORARY PAVEMENT SHALL CONSIST OF 2" OF TYPE SP 9.5 ASPHALT ON 6" OF LIMEROCK. THE GROUND SLOPE FROM THE TEMPORARY PAVEMENT SHALL BE A MAXIMUM OF 4:1.
13. THE CONTRACTOR SHALL, AS REQUIRED, PROVIDE TEMPORARY DRAINAGE DURING CONSTRUCTION. A TEMPORARY DRAINAGE PLAN SHALL BE PREPARED AND SUBMITTED FOR APPROVAL TO THE FDOT MAINTENANCE PERMITS DEPARTMENT AND CITY PRIOR TO CONSTRUCTION.
14. ALL WORK SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 102-602, 102-603, 102-604, 102-628, 102-660 AND 102-661 EXCEPT AS SHOWN ON THESE PLANS.
15. THE BLOCK CLOSINGS AND DETOURS SHALL BE IN EFFECT UNTIL THE WORK IS COMPLETED WITHIN THAT BLOCK.
16. THE CONTRACTOR SHALL NOTIFY MANAGEMENT OFFICES OF THE BUILDINGS ALONG FOREST BOULEVARD OF THE ALTERNATE ROUTE AND CLOSING OF TURNING MOVEMENTS TO AND FROM FOREST BOULEVARD TWO WEEKS IN ADVANCE OF THOSE ACTIONS.
17. AT LEAST TWO WEEKS PRIOR TO CLOSURE OF FOREST BOULEVARD AT BEACH BOULEVARD, THE CONTRACTOR SHALL NOTIFY JACKSONVILLE FIRE RESCUE DEPARTMENT.
18. ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE WORK ZONES SHALL BE MAINTAINED.
19. ACCESS TO ALL INTERSECTING SIDE STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES EXCEPT AS NOTED.
20. ALL ROAD CLOSED AND ROAD CLOSED TO THRU TRAFFIC SIGNS SHALL BE MOUNTED ON TYPE III BARRICADES.
21. THE ROADWAY SHALL BE RESTORED TO AT LEAST A LIMEROCK SURFACE BEFORE IT IS REOPENED TO TRAFFIC, AND BEFORE THE CONTRACTOR MOVES ON TO THE NEXT CONSTRUCTION ZONE. AS AN ALTERNATE, PLATING AREAS MAY BE PROVIDED OVER OPEN TRENCH AREAS BEFORE REOPENING TO TRAFFIC. THE LENGTH OF LIMEROCK AND/OR PLATED AREAS SHALL NOT EXCEED 500' AND BE IN PLACE NO LONGER THAN ONE WEEK.
22. INSTALLATION OF THE PROPOSED PIPELINES ON FOREST BLVD FROM PACKARD DR TO BEACH BLVD AND ON FOREST BLVD FROM BEACH BLVD TO LEAHY RD SHALL BE ACCOMPLISHED DURING THE SAME TIME PERIOD AS THE AUGER BORE INSTALLATION UNDER BEACH BOULEVARD. FOREST BLVD IS ALLOWED TO BE CLOSED AT BEACH BLVD ONE TIME ONLY.
23. INSTALLATION OF THE PROPOSED PIPELINES ON FOREST BLVD FROM 50' SOUTH OF STONE RD TO 50' NORTH OF SKYCREST DR N SHALL BE DURING THE SUMMER MONTHS, AFTER THE CURRENT DUVAL COUNTY SCHOOL YEAR HAS ENDED AND PRIOR TO THE NEXT SCHOOL YEAR BEGINNING.
24. THE PROJECT WORK HOURS SHALL BE BETWEEN 7:00 A.M. AND 7:00 P.M. ON RESIDENTIAL STREETS AND 9:00 A.M. AND 4:00 P.M. ON COLLECTOR OR ARTERIAL STREETS.
25. TEMPORARY PAVEMENT MARKINGS SHALL BE WITH TEMPORARY TAPE.
26. A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLAN AND SHALL OPERATE TWO WEEKS PRIOR TO THE START OF CONSTRUCTION.
27. TEMPORARY PAVEMENT SHALL BE REMOVED, THE GROUND RESTORED TO THE ORIGINAL CONDITION AND THE PAVEMENT MARKING RESTORED AFTER THE TEMPORARY PAVEMENT IS NO LONGER NEEDED.

MAINTENANCE OF TRAFFIC PLAN CHANGES

1. ANY MODIFICATIONS TO THESE MAINTENANCE OF TRAFFIC PLANS SHALL BE SUBMITTED TO THE FDOT MAINTENANCE PERMITS DEPARTMENT AND TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
2. THE CONTRACTOR HAS THE OPTION TO SUBMIT ALTERNATIVE TRAFFIC CONTROL PLANS FOR APPROVAL BY THE FDOT MAINTENANCE PERMITS DEPARTMENT AND THE CITY OF JACKSONVILLE TRAFFIC OPERATIONS. ALTERNATE TRAFFIC CONTROL PLANS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AND SHALL BE CONSISTENT WITH STANDARD MOT DESIGN PRACTICES. NO CONSTRUCTION ACTIVITY SHALL BE ALLOWED UNTIL THE CONTRACTOR'S MOT PLANS ARE APPROVED IN WRITING.

MAINTENANCE OF TRAFFIC SIGNING NOTES

1. THE CONTRACTOR SHALL ENSURE THAT PERMANENT SIGNS DO NOT CONFLICT WITH MOT SIGNS. THE CONTRACTOR SHALL COVER ALL SIGNS, BOTH PERMANENT AND TEMPORARY, THAT CONFLICT WITH TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS.
2. THE EXISTING POSTED SPEED LIMIT SIGNS SHALL REMAIN THROUGHOUT ALL PHASES UNLESS OTHERWISE NOTED.
3. ANY EXISTING STREET AND ROAD NAME SIGNS THAT ARE IMPACTED BY CONSTRUCTION SHALL BE TEMPORARILY RELOCATED AND KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLE TRAFFIC.
4. CONTRACTOR SHALL MAINTAIN EXISTING SIGNING DURING ALL CONSTRUCTION. IF SIGNS ARE DAMAGED DUE TO HIS ACTIVITY, THE CONTRACTOR SHALL REPLACE THEM PROMPTLY IN ACCORDANCE WITH CURRENT CITY OR FDOT STANDARD SPECIFICATIONS AT NO ADDITIONAL COST TO JEA.

PEDESTRIAN ACCESS REQUIREMENTS

1. THE CITY OF JACKSONVILLE PROHIBITS MID-BLOCK CROSSING OF PEDESTRIANS WHEN AN ALTERNATIVE ROUTE IS NOT FEASIBLE. IN SUCH CASES, THE CONTRACTOR SHALL PROVIDE AN ADA COMPLIANT PEDESTRIAN PATHWAY THROUGH THE WORK ZONE WHEN SIDEWALK IS CLOSED.
2. ANY DAMAGED OR REMOVED SIDEWALK SHALL BE STABILIZED AND OPEN FOR PEDESTRIAN USE AT THE END OF THE WORK DAY. PERMANENT RESTORATION SHALL TAKE PLACE WITHIN 7 DAYS FROM THE INSPECTOR'S DIRECTION. ALL CURB AND GUTTER AND SIDEWALK SHALL BE REMOVED TO FULL DEPTH AND REPLACED JOINT TO JOINT PER CURRENT FDOT STANDARDS.
3. IF SIDEWALKS ARE DISTURBED AND HAVE TO BE REPLACED, HANDICAP RAMPS WITH TRUNCATED DOMES SHALL BE INSTALLED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 522-002.

FLAGGER CONTROL

1. WHERE FLAGGERS ARE USED, A FLAGGER SYMBOL OR LEGEND SIGN SHALL REPLACE THE WORKERS SYMBOL OR LEGEND SIGN.
2. THE FLAGGER SHALL BE CLEARLY VISIBLE TO APPROACHING TRAFFIC FOR A DISTANCE SUFFICIENT TO PERMIT PROPER RESPONSE BY THE MOTORIST TO THE FLAGGING INSTRUCTIONS AND TO PERMIT TRAFFIC TO REDUCE SPEED OR TO STOP AS REQUIRED BEFORE ENTERING WORK ZONE. FLAGGERS SHALL BE POSITIONED TO MAINTAIN MAXIMUM COLOR CONTRAST BETWEEN THE FLAGGERS HIGH-VISIBILITY SAFETY APPAREL AND EQUIPMENT AND THE WORK AREA BACKGROUND.

HAND-SIGNALING DEVICES

1. STOP/SLOW PADDLES ARE THE PRIMARY HAND-SIGNALING DEVICE. THE STOP/SLOW PADDLE SHALL HAVE AN OCTAGONAL SHAPE ON A RIGID HANDLE. IF THE STOP/SLOW PADDLE IS PLACED ON A RIGID STAFF, THE MINIMUM LENGTH OF THE STAFF MEASURED FROM THE BOTTOM OF THE PADDLE TO THE END OF THE STAFF THAT RESTS ON THE GROUND SHOULD BE 7 FT. STOP/SLOW PADDLES SHALL BE AT LEAST 24 INCHES WIDE WITH LETTERS AT LEAST 6 INCHES HIGH AND SHOULD BE FABRICATED FROM LIGHT SEMI RIGID MATERIAL. THE BACKGROUND OF THE SLOW FACE SHALL BE ORANGE WITH BLACK LETTERS AND BORDER USED AT NIGHT TIME. THE STOP/SLOW PADDLE SHALL BE RETROREFLECTORIZED.
2. FLAG USE IS LIMITED TO IMMEDIATE EMERGENCIES, INTERSECTIONS AND WHEN WORKING ON THE CENTERLINE OR SHARED LEFT TURN LANES WHERE TWO (2) FLAGGERS ARE REQUIRED AND THERE IS OPPOSING TRAFFIC IN THE ADJACENT LANES. FLAGS, WHEN USED, SHALL BE A MINIMUM OF 24 INCHES SQUARE, MADE OF A GOOD GRADE OF RED MATERIAL AND SECURELY FASTENED TO A STAFF THAT IS APPROXIMATELY 56 INCHES IN LENGTH. WHEN USED AT NIGHT TIME, FLAGS SHALL BE RETROREFLECTORIZED RED.
3. FLASHLIGHT LANTERN OR OTHER LIGHTED SIGNAL THAT WILL DISPLAY A RED WARNING LIGHT SHALL BE USED AT NIGHT.

FLAGGER STATIONS

1. FLAGGER STATIONS SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE WORK ZONE SO THAT APPROACHING ROAD USERS WILL HAVE SUFFICIENT DISTANCE TO STOP BEFORE ENTERING THE WORK ZONE. WHEN USED AT NIGHT, THE FLAGGER STATION SHALL BE ILLUMINATED.

GENERAL FDOT NOTES

1. ALL WORK PERFORMED WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT-OF-WAY SHALL CONFORM TO THE MOST CURRENT EDITION OF THE FOLLOWING PUBLICATIONS:
   1.1. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
   1.2. FDOT STANDARD PLANS
   1.3. FDOT DESIGN MANUAL
   1.4. FDOT FLEXIBLE PAVEMENT DESIGN MANUAL
2. SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS, THE ENGINEER/PERMITTEE SHALL IMMEDIATELY CONFER WITH THE DEPARTMENTS ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY. IN NO CASE SHALL ANYTHING LESS THAN THE DEPARTMENT'S MINIMUM STANDARD BE ALLOWED.
3. ALL PERMANENT TRAFFIC STRIPING AND MARKINGS SHALL BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC.
4. REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD. IF THIS PROCESS DAMAGES/SCARS THE PAVEMENT, THEN THE PAVEMENT SHALL BE MILLED AND RESURFACED PER FDOT STANDARDS.
5. ALL DISTURBED AREAS WITHIN THE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING THE AREA DISTURBED (BERMUDA IN RURAL, CENTIPEDE IN UTILITY STRIPS).
6. ALL LANES SHALL BE OPENED FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT.
7. ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT LIMITS OF CONSTRUCTION.
8. CONTRACTOR SHALL NOTIFY THE FDOT 48 HOURS PRIOR TO STARTING ANY WORK WITHIN THE FDOT RIGHT-OF-WAY.
9. PLACEMENT OF BUSINESS ENTRANCE SIGNS AND CHANNELIZING DEVICES AT BUSINESS ENTRANCES SHALL BE PER FDOT STANDARD PLAN INDEX 102-600.

JTA REQUIREMENTS

1. SIX (6) WEEKS PRIOR TO PERFORMING CONSTRUCTION ACTIVITIES ON FOREST BLVD BETWEEN ANDERS RD AND BEACH BLVD, INCLUDING THE AUGER BORE INSTALLATION UNDER BEACH BLVD, THE CONTRACTOR SHALL CALL JOHNNY HALMAN AT (904) 633-8518 AND STEVE HENDERSON AT (904) 632-5234 TO NOTIFY THEM OF THE ROAD CLOSURE REQUIREMENTS.

SIGNALIZATION

1. WHEN FOREST BOULEVARD IS CLOSED AT BEACH BOULEVARD, MODIFY SIGNAL TIMING AND PHASING AS INDICATED ON THE TTCP DETOUR PLAN FOR AUGER BORING WORK AT BEACH BOULEVARD PLAN SHEET.
2. 5 WORK DAYS PRIOR TO WORK AT A SIGNALIZED INTERSECTION THE CONTRACTOR SHALL NOTIFY CITY TRAFFIC OPERATIONS (904-255-7533) AND FDOT TRAFFIC OPERATIONS (904-360-5643).
3. THE LOOP DETECTOR REPLACEMENT SHALL BE IN ACCORDANCE WITH THE SIGNALIZATION PLAN.

PREPARED BY:

PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER: MIKE MOLKENBUR
FLORIDA REGISTRATION NO. 66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP GENERAL NOTES

PROJ. NO. D2549S3
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 91
DRAWING NO. TTCP-01

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

JEA PROJ NO.: 8004887

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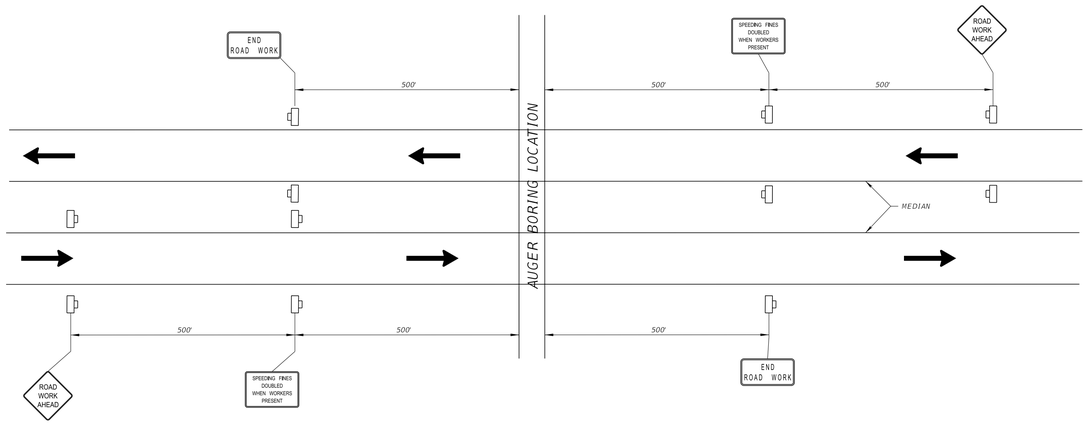

LEGEND

DIRECTION OF TRAFFIC

WORK ZONE SIGN

ADVANCE WARNING SIGNING DETAIL AT BEACH BLVD.
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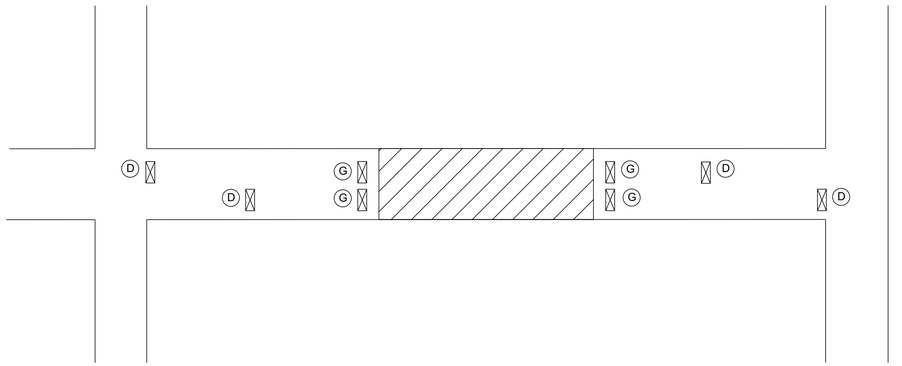

LEGEND

WORK ZONE

TYPE III BARRICADE

TYPICAL WORK ZONE SETUP DETAIL
N.T.S.

SIGN DETAILS



PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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DESIGNER:	JVCHI
DRAWN BY:	JVCHI
DATE:	MAY 2021
CHECKED BY:	MRM
DATE:	MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP GENERAL DETAILS

PROJ. NO.	D2254SS3
DATE:	MAY 2021
SCALE:	N.T.S.

NO. SHEETS	112
SHEET NO.	92
DRAWING NO.	TTCP 02

JEA PROJ NO.: 8004887

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

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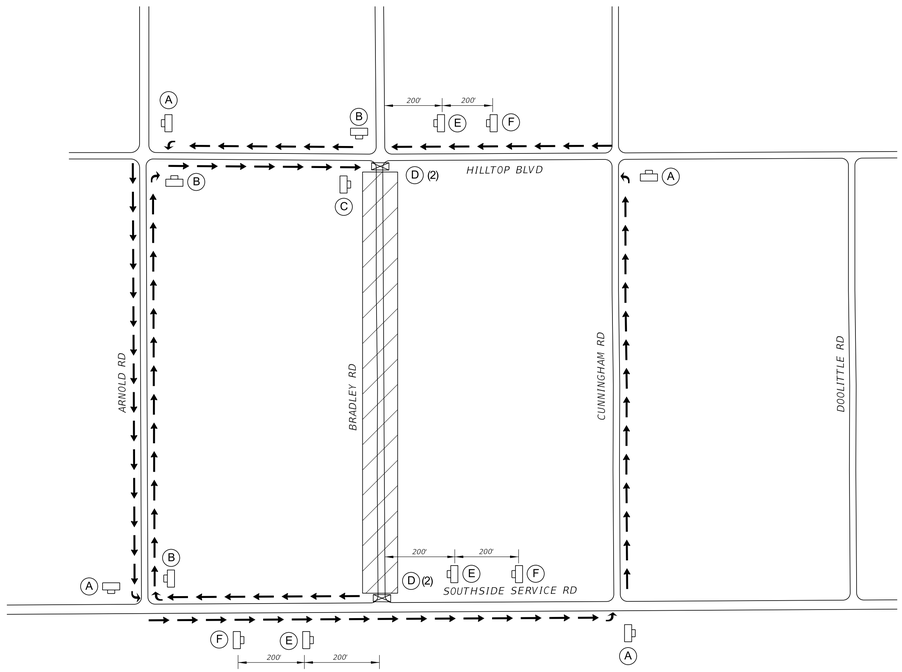


DETOUR NOTES:

FOR WESTBOUND TRAFFIC ON BRADLEY ROAD:
1. NORTH ON HILLTOP BOULEVARD
2. WEST ON ARNOLD ROAD
3. SOUTH ON SOUTHSIDE SERVICE ROAD
4. END AT BRADLEY ROAD

FOR NORTHBOUND TRAFFIC ON SOUTHSIDE SERVICE ROAD:
1. NORTH ON SOUTHSIDE SERVICE ROAD
2. EAST ON ARNOLD ROAD
3. SOUTH ON HILLTOP BOULEVARD
4. END AT BRADLEY ROAD

FOR SOUTHBOUND TRAFFIC ON SOUTHSIDE SERVICE ROAD:
1. SOUTH ON SOUTHSIDE SERVICE ROAD
2. EAST ON CUNNINGHAM ROAD
3. NORTH ON HILLTOP BOULEVARD
4. END AT BRADLEY ROAD

LEGEND

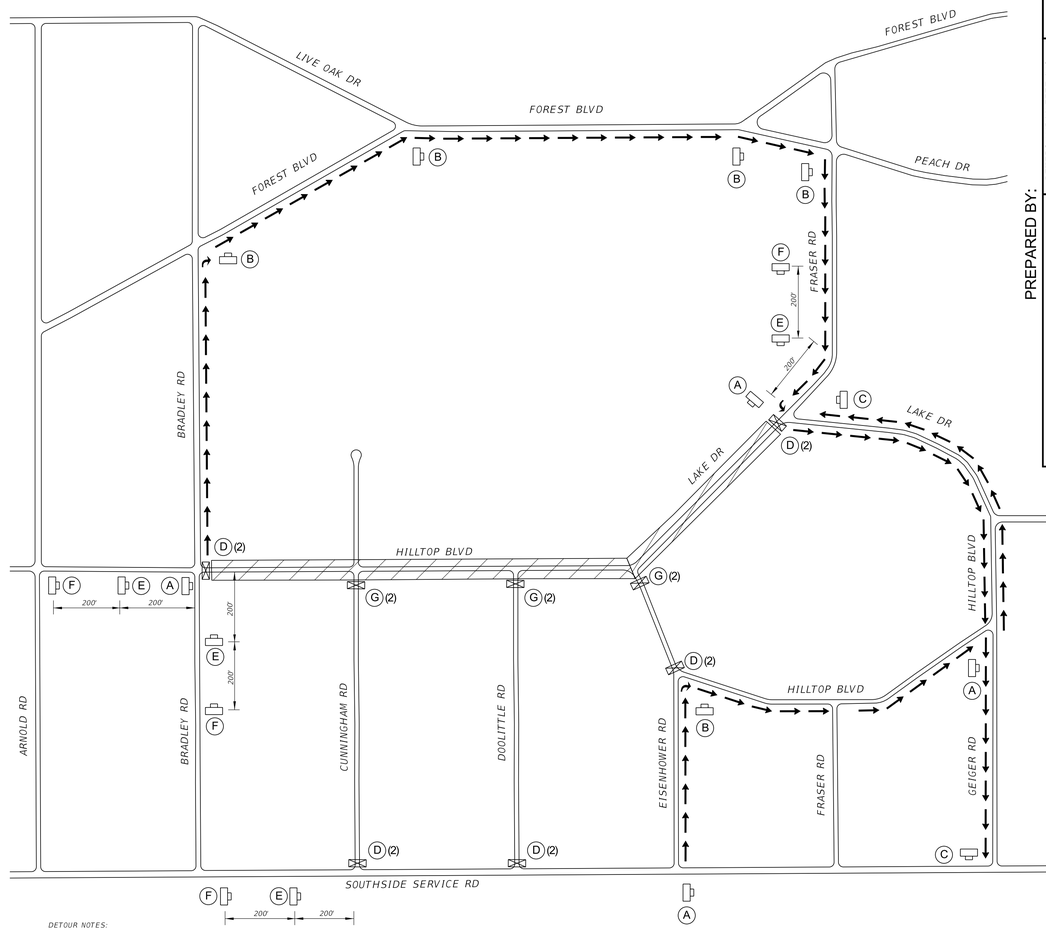
WORK ZONE

DIRECTION OF TRAFFIC

2 - TYPE III BARRICADES

WORK ZONE SIGN

TTCP STREET CLOSURE DETOUR PLAN – BRADLEY ROAD CLOSURE FROM SOUTHSIDE SERVICE ROAD TO HILLTOP BOULEVARD



DETOUR NOTES:

FOR EASTBOUND TRAFFIC ON BRADLEY ROAD:
1. EAST ON BRADLEY ROAD
2. SOUTH ON FOREST BOULEVARD
3. SOUTH ON PEACH DRIVE
4. WEST ON FRASER ROAD
5. END AT LAKE DRIVE

FOR WESTBOUND TRAFFIC ON FRASER ROAD:
1. SOUTH ON LAKE DRIVE
2. WEST ON HILLTOP BOULEVARD
3. WEST ON GEIGER ROAD
4. END AT SOUTHSIDE SERVICE ROAD

FOR EASTBOUND TRAFFIC ON EISENHOWER ROAD AND FRASER ROAD:
1. SOUTH ON HILLTOP BOULEVARD
2. NORTH ON LAKE DRIVE
3. END AT LAKE DRIVE/FRASER ROAD

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

2 - TYPE III BARRICADES

WORK ZONE SIGN

TTCP STREET CLOSURE DETOUR PLAN – HILLTOP BOULEVARD/LAKE DRIVE CLOSURE FROM BRADLEY ROAD TO FRASER ROAD

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING

PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVC/HI
DRAWN BY: JVC/HI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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JEA
Building Community

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
STREET CLOSURE DETOUR PLANS

PROJ. NO. D3254983
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 93
DRAWING NO. TTCP-03

JEA PROJ NO.: 8004887
PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

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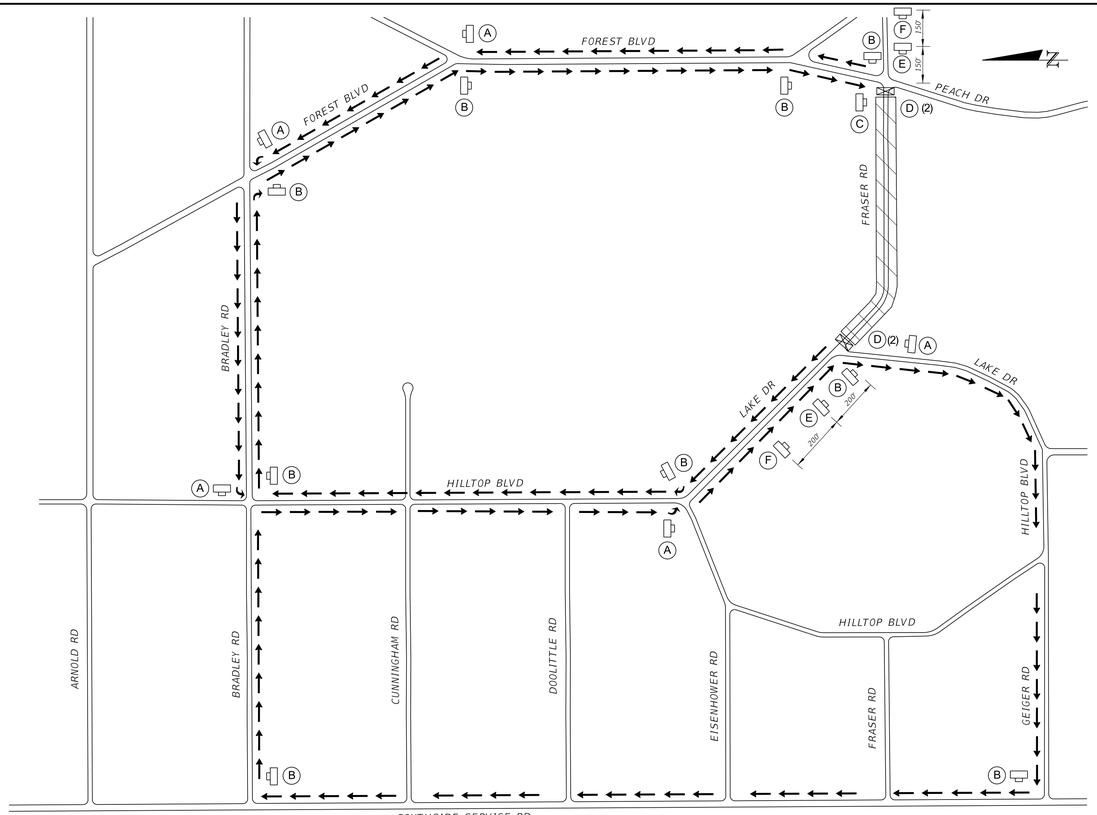


LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- 2 - TYPE III BARRICADES
- WORK ZONE SIGN

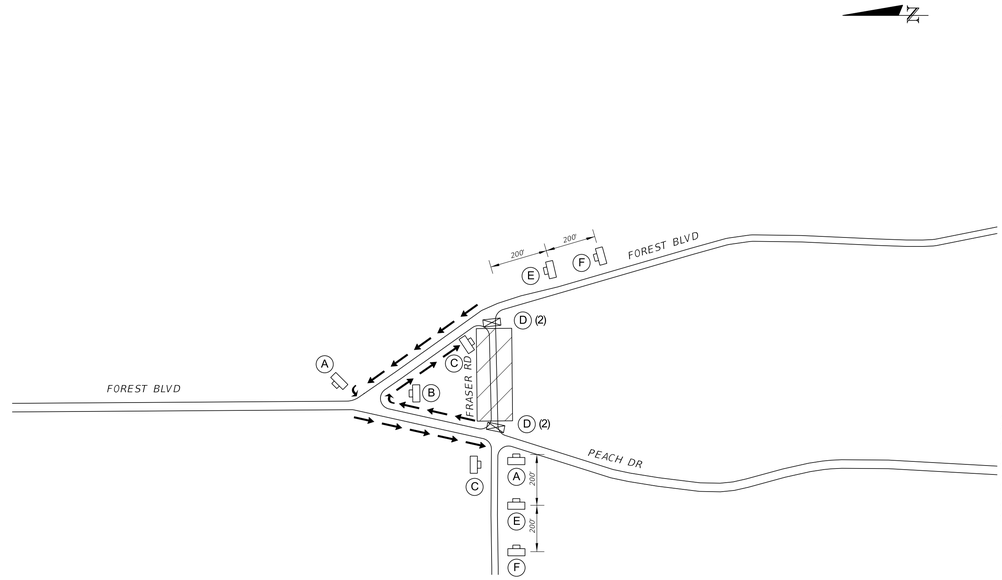
DETOUR NOTES:

FOR SOUTHBOUND TRAFFIC ON LAKE DRIVE:
1. SOUTH ON LAKE DRIVE
2. WEST ON HILLTOP BOULEVARD
3. WEST ON GEIGER ROAD
4. NORTH ON SOUTHSIDE SERVICE ROAD
5. EAST ON BRADLEY ROAD
6. SOUTH ON FOREST BOULEVARD
7. SOUTH ON PEACH DRIVE
8. END AT FRASER ROAD

FOR WESTBOUND TRAFFIC ON FRASER ROAD:
1. NORTH ON PEACH DRIVE
2. NORTH ON FOREST BOULEVARD
3. WEST ON BRADLEY ROAD
4. SOUTH ON HILLTOP BOULEVARD
5. SOUTH ON LAKE DRIVE
6. END AT FRASER ROAD

FOR NORTHBOUND TRAFFIC ON LAKE DRIVE:
1. WEST ON LAKE DRIVE
2. NORTH ON HILLTOP BOULEVARD
3. EAST ON BRADLEY ROAD
4. SOUTH ON FOREST BOULEVARD
5. SOUTH ON PEACH DRIVE
6. END AT FRASER ROAD

TTCP STREET CLOSURE DETOUR PLAN – FRASER ROAD CLOSURE BETWEEN LAKE DRIVE AND PEACH DRIVE



LEGEND

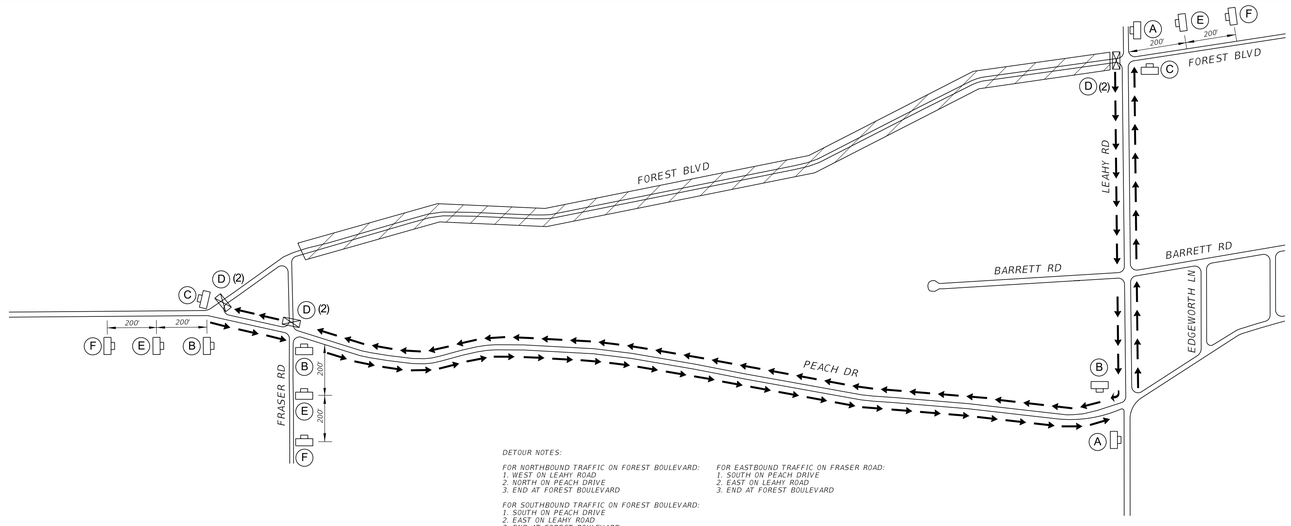
- WORK ZONE
- DIRECTION OF TRAFFIC
- 2 - TYPE III BARRICADES
- WORK ZONE SIGN

DETOUR NOTES:

FOR EASTBOUND TRAFFIC ON FRASER ROAD:
1. NORTH ON PEACH DRIVE
2. SOUTH ON FOREST BOULEVARD
3. END AT FRASER ROAD

FOR NORTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. NORTH ON FOREST BOULEVARD
2. SOUTH ON PEACH DRIVE
3. END AT FRASER ROAD

TTCP STREET CLOSURE DETOUR PLAN – FRASER ROAD CLOSURE FROM PEACH DRIVE TO FOREST BOULEVARD



LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- 2 - TYPE III BARRICADES
- WORK ZONE SIGN

DETOUR NOTES:

FOR NORTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. WEST ON LEAHY ROAD
2. NORTH ON PEACH DRIVE
3. END AT FOREST BOULEVARD

FOR SOUTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. SOUTH ON PEACH DRIVE
2. EAST ON LEAHY ROAD
3. END AT FOREST BOULEVARD

FOR EASTBOUND TRAFFIC ON FRASER ROAD:
1. SOUTH ON PEACH DRIVE
2. EAST ON LEAHY ROAD
3. END AT FOREST BOULEVARD

TTCP STREET CLOSURE DETOUR PLAN – FOREST BOULEVARD CLOSURE FROM FRASER ROAD TO LEAHY ROAD

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9822 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
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DESIGNER:	JVCHI
DRAWN BY:	JVCHI
DATE:	MAY 2021
CHECKED BY:	MRM
DATE:	MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
STREET CLOSURE DETOUR PLANS

PROJ TITLE: SIPS-SOUTHSIDE BLVD

JEA PROJ NO.: 8004887

PROJ. NO.	D3254983
DATE:	MAY 2021
SCALE:	N.T.S.

NO. SHEETS	112
SHEET NO.	94
DRAWING NO.	TTCP04

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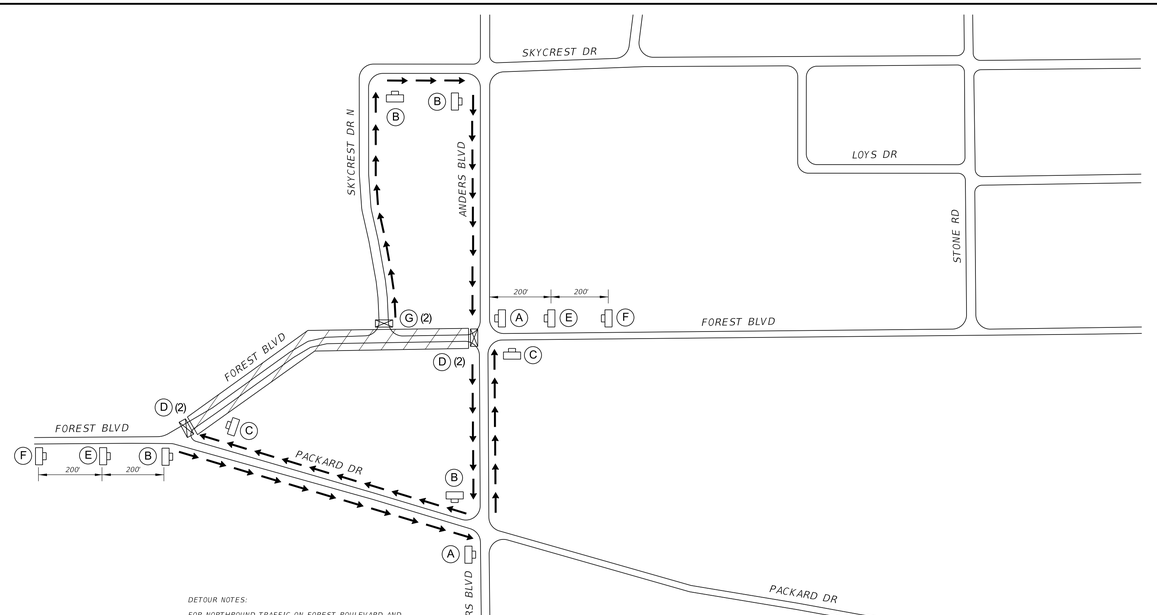


LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

2 - TYPE III BARRICADES

WORK ZONE SIGN

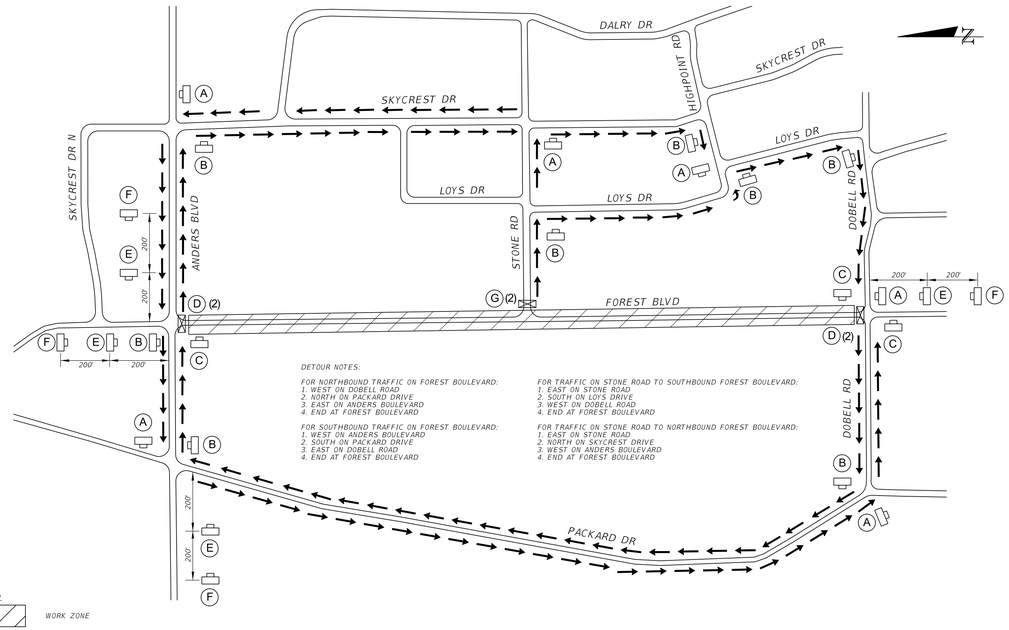
DETOUR NOTES:

FOR NORTHBOUND TRAFFIC ON FOREST BOULEVARD AND WESTBOUND TRAFFIC ON ANDERS BOULEVARD:
1. WEST ON ANDERS BOULEVARD
2. NORTH ON PACKARD DRIVE
3. END AT FOREST BOULEVARD

FOR SOUTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. SOUTH ON PACKARD DRIVE
2. EAST ON ANDERS BOULEVARD
3. END AT FOREST BOULEVARD

FOR TRAFFIC ON SKYCREST DRIVE NORTH:
1. EAST ON SKYCREST DRIVE NORTH
2. WEST ON ANDERS BOULEVARD
3. END AT FOREST BOULEVARD

TTCP STREET CLOSURE DETOUR PLAN – FOREST BOULEVARD CLOSURE FROM PACKARD DRIVE TO ANDERS BOULEVARD



DETOUR NOTES:

FOR NORTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. WEST ON DOBELL ROAD
2. NORTH ON PACKARD DRIVE
3. EAST ON ANDERS BOULEVARD
4. END AT FOREST BOULEVARD

FOR SOUTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. WEST ON ANDERS BOULEVARD
2. SOUTH ON PACKARD DRIVE
3. EAST ON DOBELL ROAD
4. END AT FOREST BOULEVARD

FOR TRAFFIC ON STONE ROAD TO SOUTHBOUND FOREST BOULEVARD:
1. EAST ON STONE ROAD
2. SOUTH ON LOYS DRIVE
3. WEST ON DOBELL ROAD
4. END AT FOREST BOULEVARD

FOR TRAFFIC ON STONE ROAD TO NORTHBOUND FOREST BOULEVARD:
1. EAST ON STONE ROAD
2. NORTH ON SKYCREST DRIVE
3. WEST ON ANDERS BOULEVARD
4. END AT FOREST BOULEVARD

LEGEND

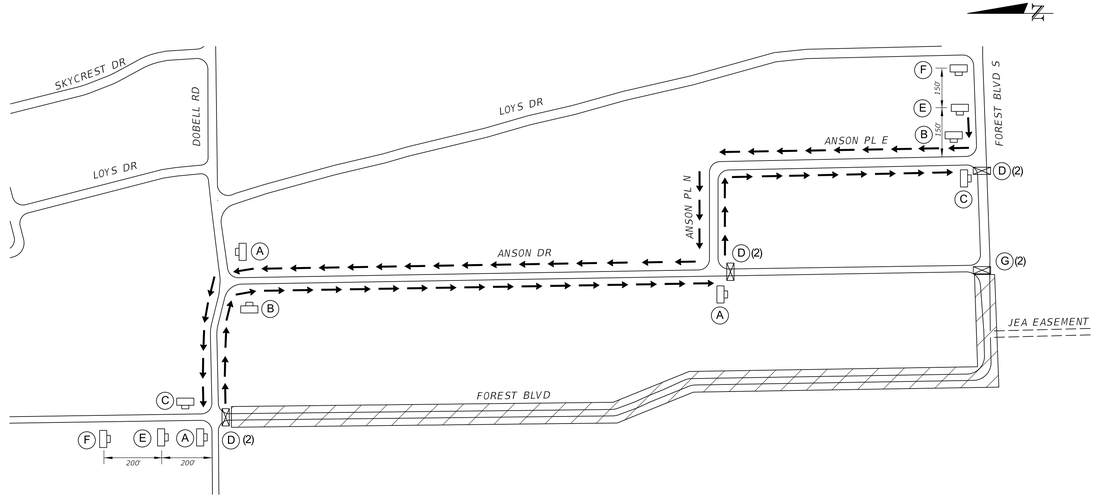
WORK ZONE

DIRECTION OF TRAFFIC

2 - TYPE III BARRICADES

WORK ZONE SIGN

TTCP STREET CLOSURE DETOUR PLAN – FOREST BOULEVARD CLOSURE FROM ANDERS BOULEVARD TO DOBELL ROAD



DETOUR NOTES:

FOR WESTBOUND TRAFFIC ON FOREST BOULEVARD SOUTH:
1. NORTH ON ANSON PL EAST
2. WEST ON ANSON PL NORTH
3. NORTH ON ANSON DRIVE
4. WEST ON DOBELL ROAD
5. END AT FOREST BOULEVARD

FOR SOUTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. EAST ON DOBELL ROAD
2. SOUTH ON ANSON DRIVE
3. END AT FOREST BOULEVARD SOUTH

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

2 - TYPE III BARRICADES

WORK ZONE SIGN

TTCP STREET CLOSURE DETOUR PLAN – FOREST BOULEVARD CLOSURE FROM DOBELL ROAD TO FOREST BOULEVARD SOUTH

PREPARED BY:

PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER: MIKE MOLKENBUR
FLORIDA REGISTRATION NO. 66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
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Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
STREET CLOSURE DETOUR PLANS

PROJ. NO. D3254953
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 95
DRAWING NO. TTCP-95

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

JEA PROJ NO.: 8004887

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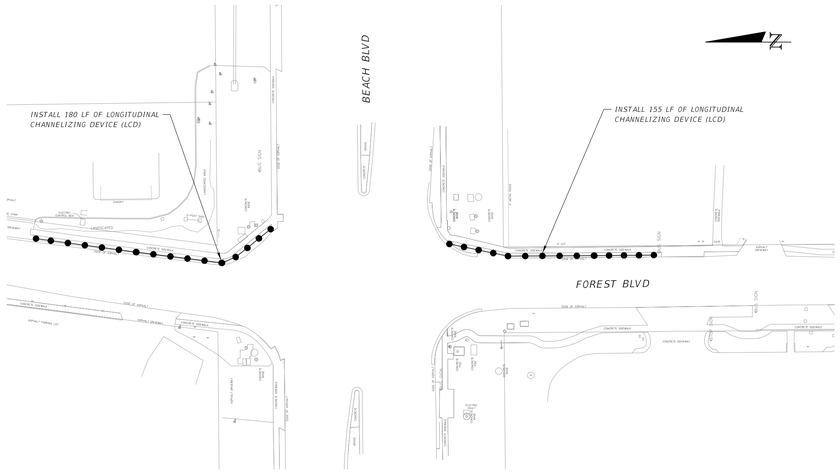
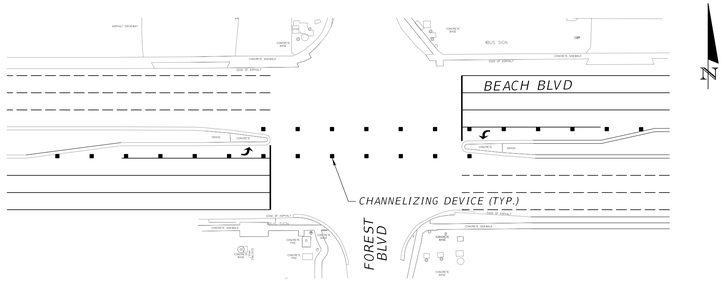


PEDESTRIAN DETAILS



LEFT TURN LANE AND INTERSECTION CLOSURE DETAIL

CONTROLLER TIMINGS								
TIMING FUNCTION								
	MOVEMENT NUMBER	1	2	3	4	5	6	7	8
FOREST BLVD (EASTBOUND)	MINIMUM GREEN		10				10		
	EXTENSION		2.5				2.5		
	MAXIMUM GREEN 1		60				60		
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE		4.0				4.0		
	ALL RED		2.0			2.0		2.0	
	PEDESTRIAN WALK		7			7		7	
	PED. CLEARANCE		24			32		24	
	RECALL		MIN			MIN			

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE ENGINEER. INSTALL CONCURRENT TIMING OF INITIAL AND EXTENSION INTERVALS.

SIGNAL OPERATING PLAN
(SOP 17 MODIFIED)



NOTES:
1. ALL SIGNAL HEADS SERVING BOTH FOREST BOULEVARD APPROACHES TO BE CONSTANT RED.
2. THE SIGNAL HEADS SERVING BOTH BEACH BOULEVARD LEFT TURN LANES AT FOREST BOULEVARD TO BE CONSTANT RED.
3. CONTRACTOR TO FIELD LOCATE AND PROTECT TRAFFIC SIGNAL CONDUITS PRIOR TO ANY EXCAVATION WORK.

TTCP SIGNAL TIMING AND PHASING FOR BEACH BLVD. AT FOREST BLVD.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- 2 - TYPE III BARRICADES
- WORK ZONE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN
- PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)

DETOUR NOTES:

FOR SOUTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. WEST ON LEAHY ROAD
2. SOUTH ON PEACH DRIVE
3. END AT BEACH BOULEVARD

FOR EASTBOUND TRAFFIC ON BEACH BOULEVARD TO NORTH LEG OF FOREST BOULEVARD:
1. NORTH ON PEACH DRIVE
2. EAST ON LEAHY ROAD
3. END AT FOREST BOULEVARD

FOR EASTBOUND TRAFFIC ON BEACH BOULEVARD TO SOUTH LEG OF FOREST BOULEVARD:
1. SOUTH ON PEACH DRIVE
2. SOUTH ON BUNNELL DRIVE
3. EAST ON ANDERS BOULEVARD
4. END AT FOREST BOULEVARD

FOR WESTBOUND TRAFFIC ON BEACH BOULEVARD TO NORTH LEG OF FOREST BOULEVARD:
1. WEST ON BEACH BOULEVARD
2. NORTH ON PEACH DRIVE
3. EAST ON LEAHY ROAD
4. END AT FOREST BOULEVARD

FOR WESTBOUND TRAFFIC ON BEACH BOULEVARD TO SOUTH LEG OF FOREST BOULEVARD:
1. WEST ON BEACH BOULEVARD
2. SOUTH ON PEACH DRIVE
3. SOUTH ON BUNNELL DRIVE
4. EAST ON ANDERS BOULEVARD
5. END AT FOREST BOULEVARD

FOR NORTHBOUND TRAFFIC ON FOREST BOULEVARD TO SOUTH OF ANDERS BOULEVARD:
1. WEST ON ANDERS BOULEVARD
2. NORTH ON BUNNELL DRIVE
3. NORTH ON PEACH DRIVE
4. END AT BEACH BOULEVARD

FOR NORTHBOUND TRAFFIC ON FOREST BOULEVARD, NORTH OF ANDERS BOULEVARD:
1. EAST ON ANTIOCH ROAD
2. NORTH ON O'REGAN LANE
3. END AT BEACH BOULEVARD

NOTES:
1. CLOSE EASTBOUND AND WESTBOUND LEFT TURN LANES ON BEACH BLVD THAT SERVE FOREST BLVD WITH CHANNELIZING DEVICES WHEN THIS TTCP SETUP IS INSTALLED (SEE DETAIL THIS SHEET). MAINTAIN THESE TURN LANE CLOSURES UNTIL FOREST BLVD IS REOPENED TO TRAFFIC.
2. THE SOUTH DRIVEWAY LOCATED ON FOREST BLVD THAT SERVES THE RACETRAC GAS STATION ON THE CORNER OF BEACH BLVD/FOREST BLVD SHALL REMAIN OPEN AT ALL TIMES. THE NORTH DRIVEWAY LOCATED ON FOREST BOULEVARD SHALL BE CLOSED DURING THIS TTCP SETUP.
3. THE EXIT FROM FORESTRY TOWER PARK SHALL REMAIN OPEN AT ALL TIMES. PLACE 'ROAD CLOSED' SIGNS JUST NORTH OF EXIT DRIVE FROM FORESTRY TOWER PARK SO THAT ACCESS TO THE PARK CAN BE MAINTAINED.
4. THE NORTH DRIVEWAY LOCATED ON FOREST BLVD THAT SERVES THE ALL AMERICAN HOT DOG AND THE DRIVEWAY LOCATED ON FOREST BLVD THAT SERVES THE SPEEDWAY ON THE CORNER OF BEACH BLVD/FOREST BLVD SHALL REMAIN OPEN AT ALL TIMES.
5. THE SOUTH DRIVEWAY LOCATED ON FOREST BOULEVARD THAT SERVES THE ALL AMERICAN HOT DOG AND BIG CASH PAWN SHALL BE CLOSED DURING THIS TTCP SETUP.

PRIOR TO CONSTRUCTION

MESSAGE 1

MESSAGE 2



DURING CONSTRUCTION

MESSAGE 1

MESSAGE 2

PORTABLE CHANGEABLE MESSAGE SIGN

TTCP DETOUR PLAN FOR AUGER BORING WORK AT BEACH BOULEVARD

PREPARED BY:

peters/yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9622 TAPPER PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
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JEA
Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP DETOUR PLAN AT BEACH BOULEVARD

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

JEA PROJ NO.: 8004887

PROJ. NO. D3254SS3
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 96
DRAWING NO. TTCP-06

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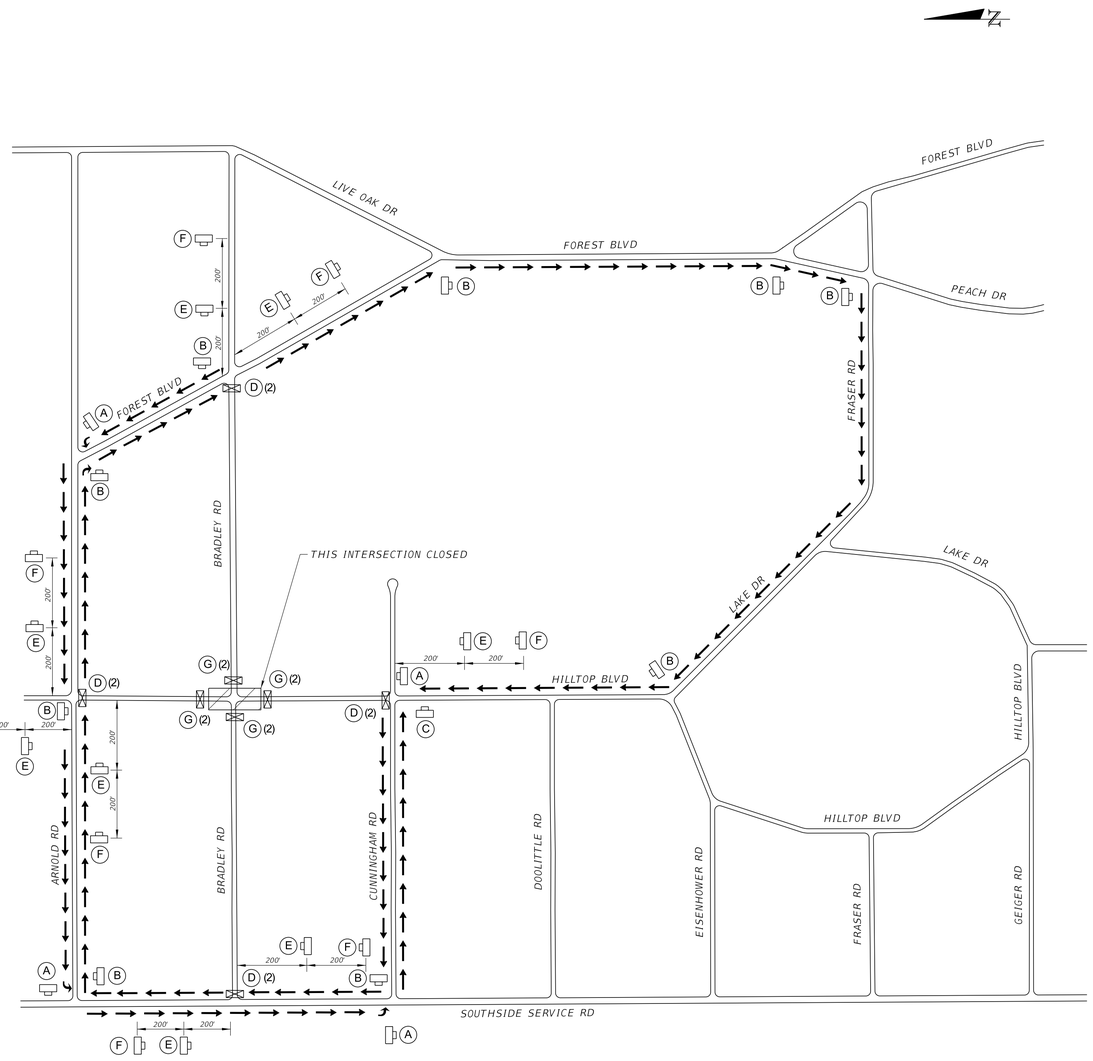


DETOUR NOTES:

FOR WESTBOUND TRAFFIC ON BRADLEY ROAD:
1. NORTH ON FOREST BOULEVARD
2. WEST ON ARNOLD ROAD
3. SOUTH ON SOUTHSIDE SERVICE ROAD
4. END AT BRADLEY ROAD/SOUTHSIDE SERVICE ROAD

FOR EASTBOUND TRAFFIC ON BRADLEY ROAD:
1. NORTH ON SOUTHSIDE SERVICE ROAD
2. EAST ON ARNOLD ROAD
3. SOUTH ON FOREST BOULEVARD
4. END AT BRADLEY ROAD

FOR NORTHBOUND TRAFFIC ON HILLTOP BOULEVARD:
1. WEST ON CUNNINGHAM ROAD
2. NORTH ON SOUTHSIDE SERVICE ROAD
3. EAST ON ARNOLD ROAD
4. END AT HILLTOP BOULEVARD

FOR SOUTHBOUND TRAFFIC ON HILLTOP BOULEVARD:
1. WEST ON ARNOLD ROAD
2. SOUTH ON SOUTHSIDE SERVICE ROAD
3. EAST ON CUNNINGHAM ROAD
4. END AT HILLTOP BOULEVARD

FOR EASTBOUND TRAFFIC ON ARNOLD ROAD:
1. EAST ON ARNOLD ROAD
2. SOUTH ON FOREST BOULEVARD
3. SOUTH ON PEACH DRIVE
4. WEST ON FRASER ROAD
5. WEST ON LAKE DRIVE
6. NORTH ON HILLTOP BOULEVARD
7. END AT CUNNINGHAM ROAD

FOR WESTBOUND TRAFFIC ON ARNOLD ROAD:
1. WEST ON ARNOLD ROAD
2. SOUTH ON SOUTHSIDE SERVICE ROAD
3. EAST ON CUNNINGHAM ROAD
4. END AT HILLTOP BOULEVARD

LEGEND

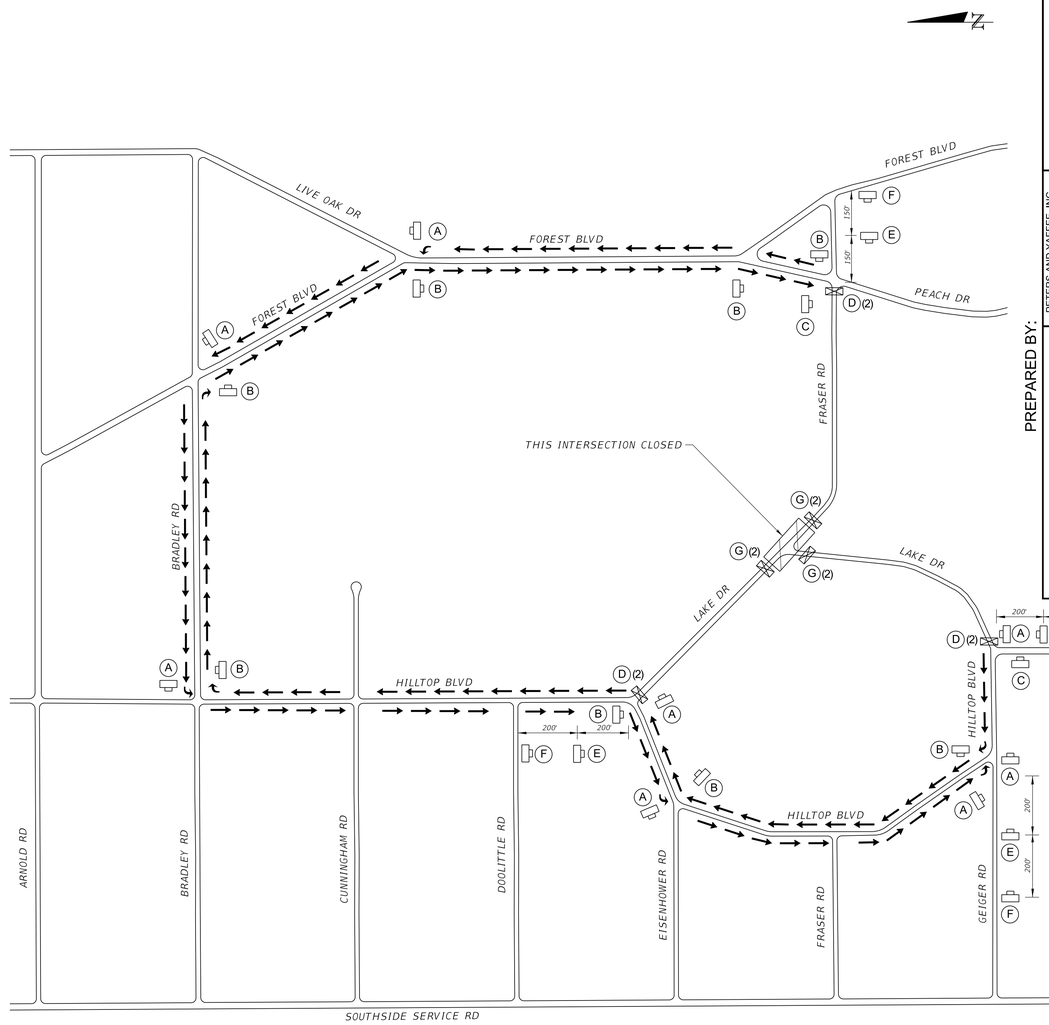
WORK ZONE

DIRECTION OF TRAFFIC

2 - TYPE III BARRICADES

WORK ZONE SIGN

TTCP INTERSECTION DETOUR DETAILS - BRADLEY ROAD/HILLTOP BOULEVARD INTERSECTION



DETOUR NOTES:

FOR WESTBOUND TRAFFIC ON FRASER ROAD:
1. NORTH ON PEACH DRIVE
2. NORTH ON FOREST BOULEVARD
3. WEST ON BRADLEY ROAD
4. SOUTH ON HILLTOP BOULEVARD
5. END AT LAKE DRIVE

FOR SOUTHBOUND TRAFFIC ON HILLTOP BOULEVARD:
1. WEST ON HILLTOP BOULEVARD
2. SOUTH ON HILLTOP BOULEVARD
3. EAST ON HILLTOP BOULEVARD
4. END AT HILLTOP BOULEVARD

FOR EASTBOUND TRAFFIC ON GEIGER ROAD:
1. NORTH ON HILLTOP BOULEVARD
2. EAST ON HILLTOP BOULEVARD
3. NORTH ON HILLTOP BOULEVARD
4. EAST ON BRADLEY ROAD
5. SOUTH ON FOREST BOULEVARD
6. SOUTH ON PEACH DRIVE
7. END AT FRASER ROAD

FOR NORTHBOUND TRAFFIC ON HILLTOP BOULEVARD:
1. WEST ON HILLTOP BOULEVARD
2. NORTH ON HILLTOP BOULEVARD
3. EAST ON HILLTOP BOULEVARD
4. NORTH ON HILLTOP BOULEVARD
5. EAST ON BRADLEY ROAD
6. SOUTH ON FOREST BOULEVARD
7. SOUTH ON PEACH DRIVE
8. END AT FRASER ROAD

LEGEND

WORK ZONE

DIRECTION OF TRAFFIC

2 - TYPE III BARRICADES

WORK ZONE SIGN

TTCP INTERSECTION DETOUR DETAILS - FRASER ROAD/LAKE DRIVE INTERSECTION

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING

PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
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DESIGNER:	JVCHI
DRAWN BY:	JVCHI
DATE:	MAY 2021
CHECKED BY:	MRM
DATE:	MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
INTERSECTION DETOUR DETAILS

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

JEA PROJ NO.: 8004887

PROJ. NO.	D3254953
DATE:	MAY 2021
SCALE:	N.T.S.

NO. SHEETS	112
SHEET NO.	97
DRAWING NO.	TTCP-07

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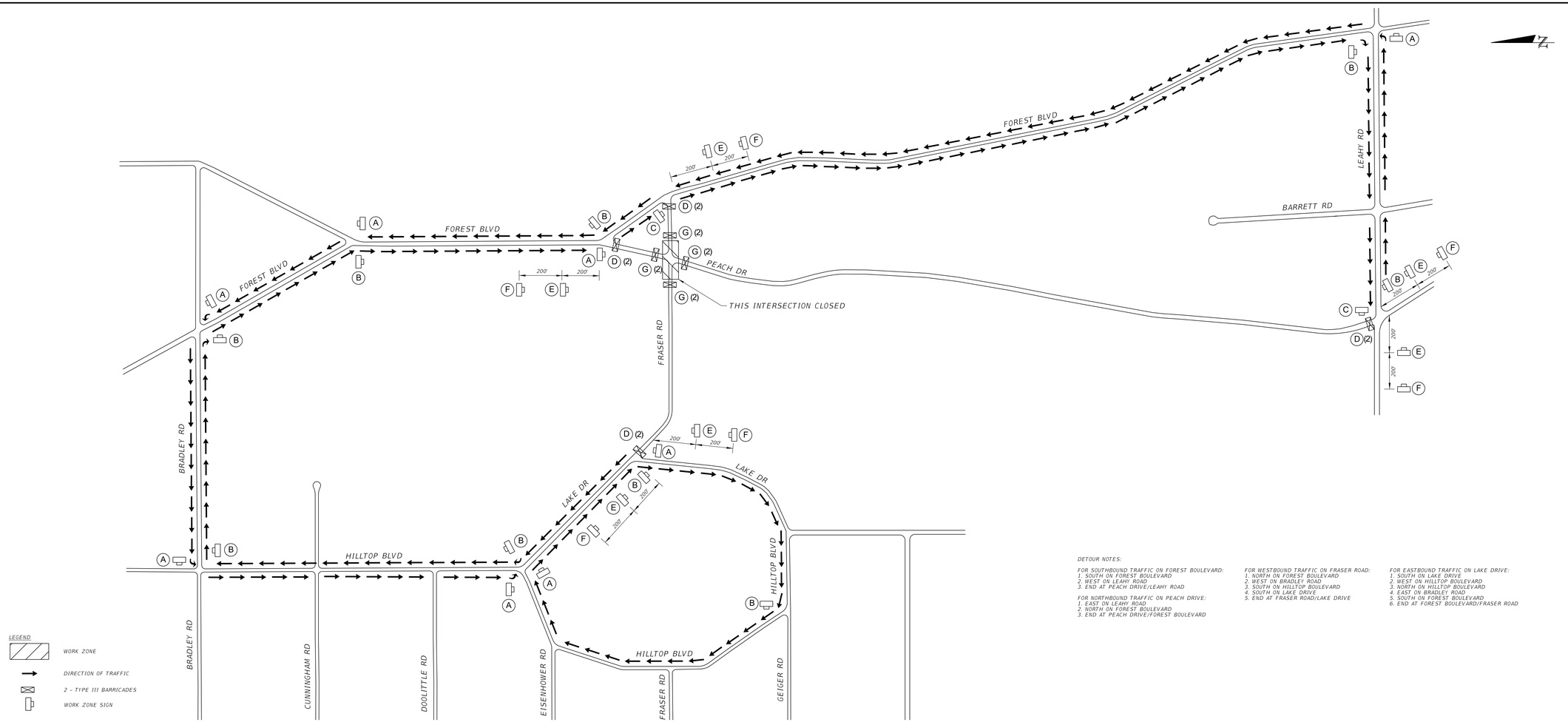


DETOUR NOTES:

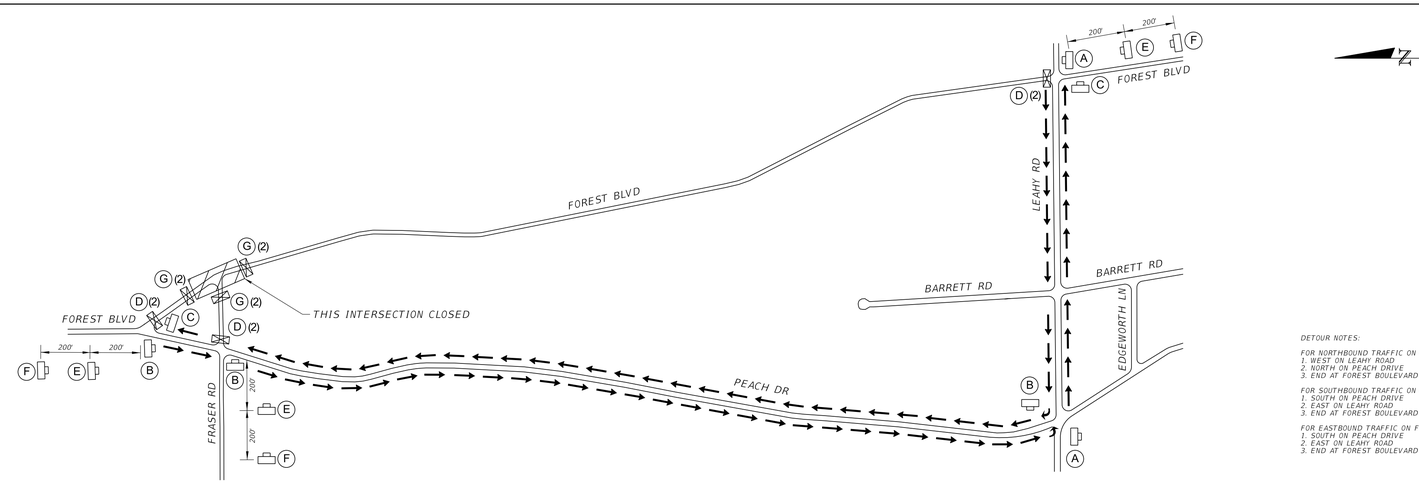
FOR SOUTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. SOUTH ON FOREST BOULEVARD
2. WEST ON LEAHY ROAD
3. END AT PEACH DRIVE/LEAHY ROAD

FOR NORTHBOUND TRAFFIC ON PEACH DRIVE:
1. EAST ON LEAHY ROAD
2. NORTH ON FOREST BOULEVARD
3. END AT PEACH DRIVE/FOREST BOULEVARD

FOR WESTBOUND TRAFFIC ON FRASER ROAD:
1. NORTH ON FOREST BOULEVARD
2. WEST ON BRADLEY ROAD
3. SOUTH ON HILLTOP BOULEVARD
4. SOUTH ON LAKE DRIVE
5. END AT FRASER ROAD/LAKE DRIVE

FOR EASTBOUND TRAFFIC ON LAKE DRIVE:
1. SOUTH ON LAKE DRIVE
2. WEST ON HILLTOP BOULEVARD
3. NORTH ON HILLTOP BOULEVARD
4. EAST ON BRADLEY ROAD
5. SOUTH ON FOREST BOULEVARD
6. END AT FOREST BOULEVARD/FRASER ROAD

TTCP INTERSECTION DETOUR DETAILS - PEACH DRIVE/FRASER ROAD INTERSECTION



DETOUR NOTES:

FOR NORTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. WEST ON LEAHY ROAD
2. NORTH ON PEACH DRIVE
3. END AT FOREST BOULEVARD

FOR SOUTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. SOUTH ON PEACH DRIVE
2. EAST ON LEAHY ROAD
3. END AT FOREST BOULEVARD

FOR EASTBOUND TRAFFIC ON FRASER ROAD
1. SOUTH ON PEACH DRIVE
2. EAST ON LEAHY ROAD
3. END AT FOREST BOULEVARD

TTCP INTERSECTION DETOUR DETAILS - FOREST BOULEVARD/FRASER ROAD INTERSECTION

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPPER PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
INTERSECTION DETOUR DETAILS

PROJ. NO. D2254SS3
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 38
DRAWING NO. TTCP-08

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

JEA PROJ NO.: 8004887

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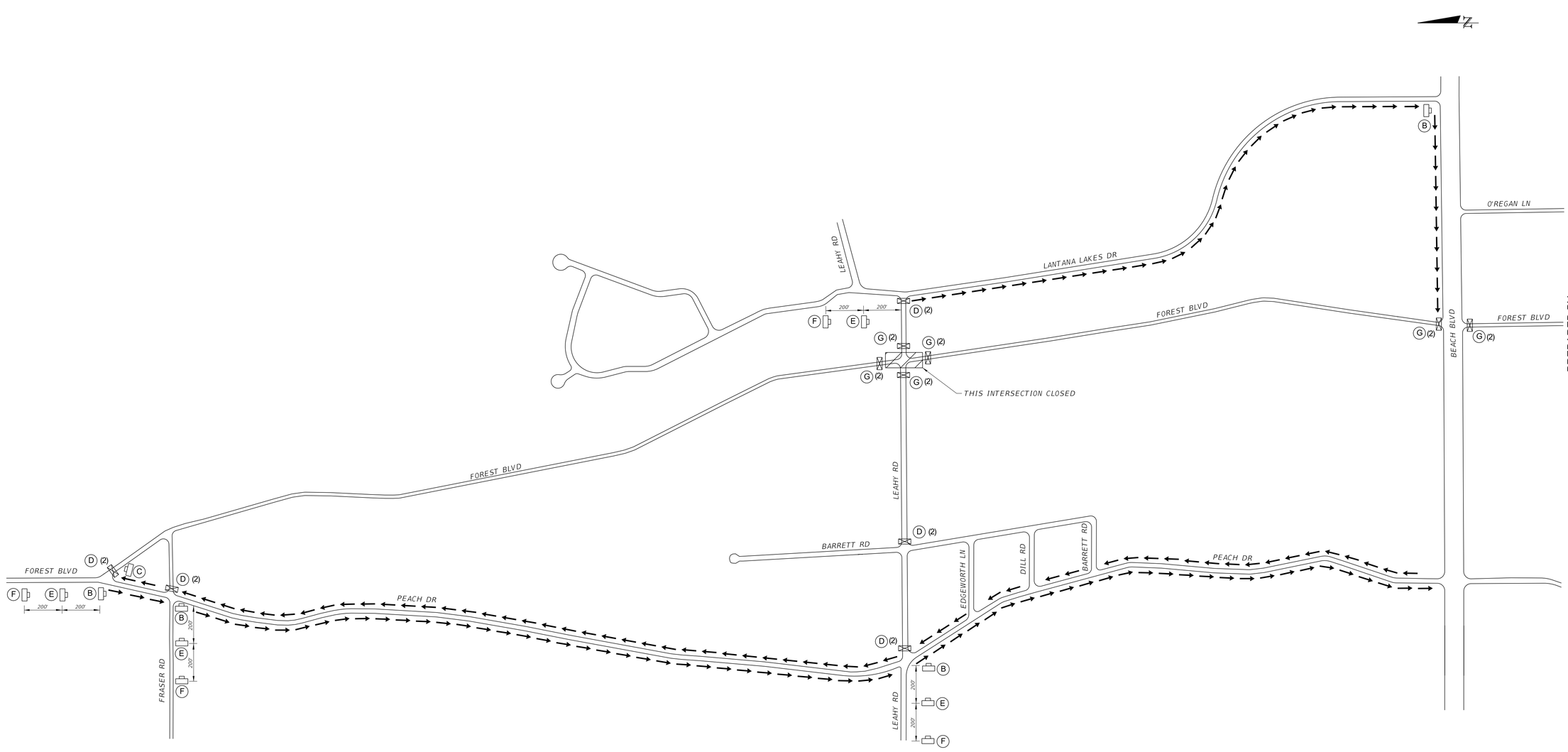

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- 2 - TYPE III BARRICADES
- WORK ZONE SIGN

DETOUR NOTES:

FOR SOUTHBOUND TRAFFIC ON FOREST BOULEVARD:
1. SOUTH ON PEACH DRIVE
2. END AT BEACH BOULEVARD

FOR EASTBOUND TRAFFIC ON LEAHY ROAD:
1. SOUTH ON PEACH DRIVE
2. END AT BEACH BOULEVARD

TTCP INTERSECTION DETOUR DETAILS - FOREST BOULEVARD/LEAHY ROAD INTERSECTION

(TO BE CONSTRUCTED WHEN FOREST BOULEVARD IS CLOSED AT BEACH BOULEVARD FOR AUGER BORING OPERATIONS)

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING

PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
INTERSECTION DETOUR DETAILS

PROJ. NO.: D3254953
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 99
DRAWING NO. TTCP-09

JEA PROJ NO.: 8004887

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

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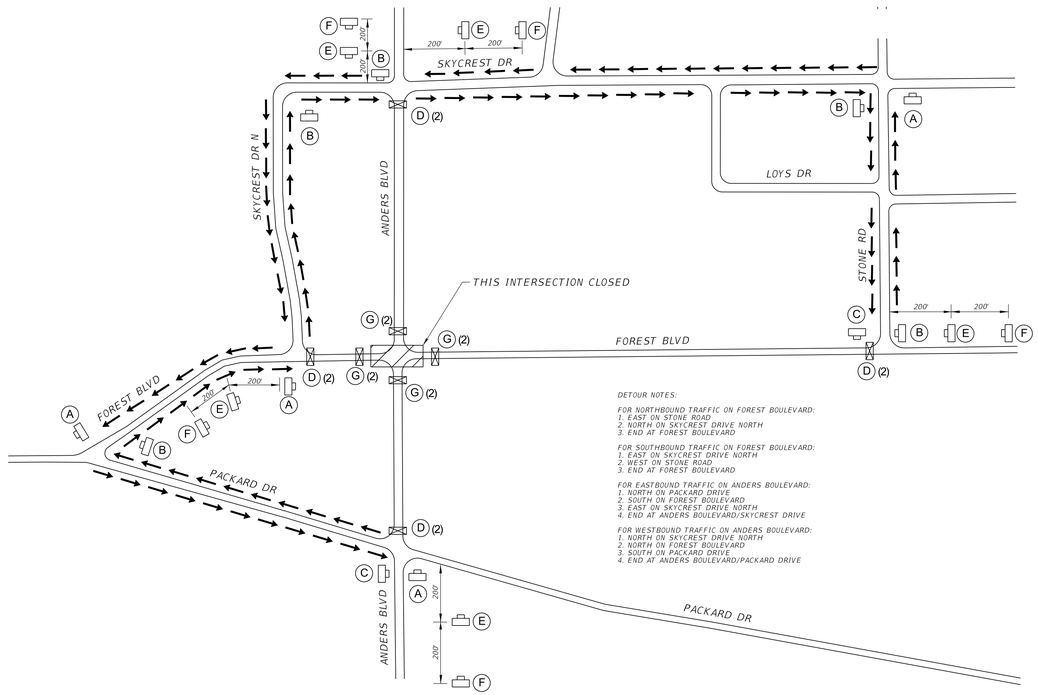
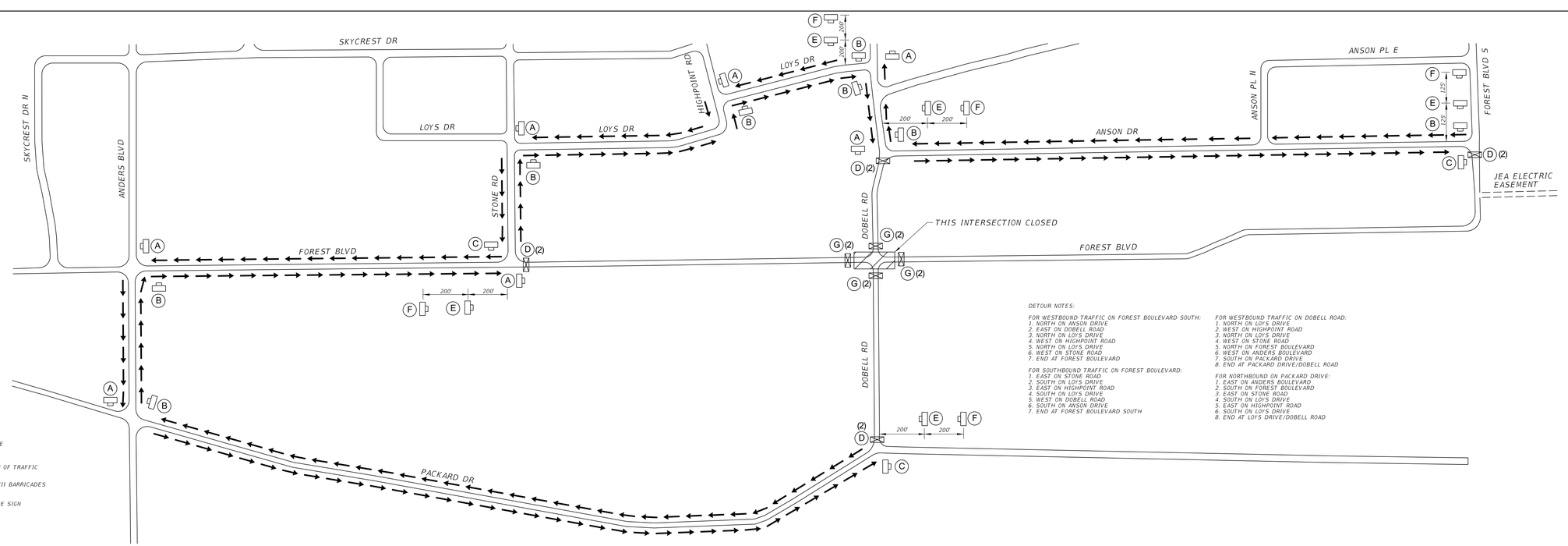


TTCP INTERSECTION DETOUR DETAILS - FOREST BOULEVARD/ANDERS BOULEVARD INTERSECTION



TTCP INTERSECTION DETOUR DETAILS - FOREST BOULEVARD/DOBELL ROAD INTERSECTION

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9622 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
INTERSECTION DETOUR DETAILS

PROJ. NO. D3254863
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 100
DRAWING NO. TTCP-10

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
JEA PROJ NO.: 8004887

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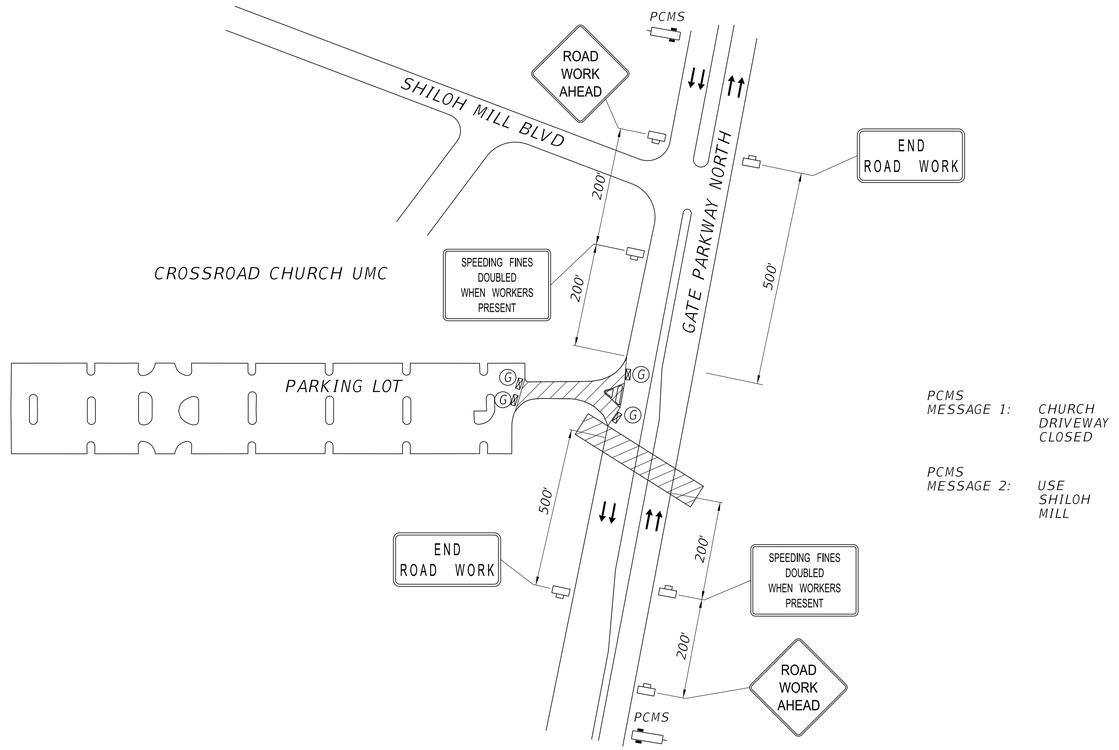
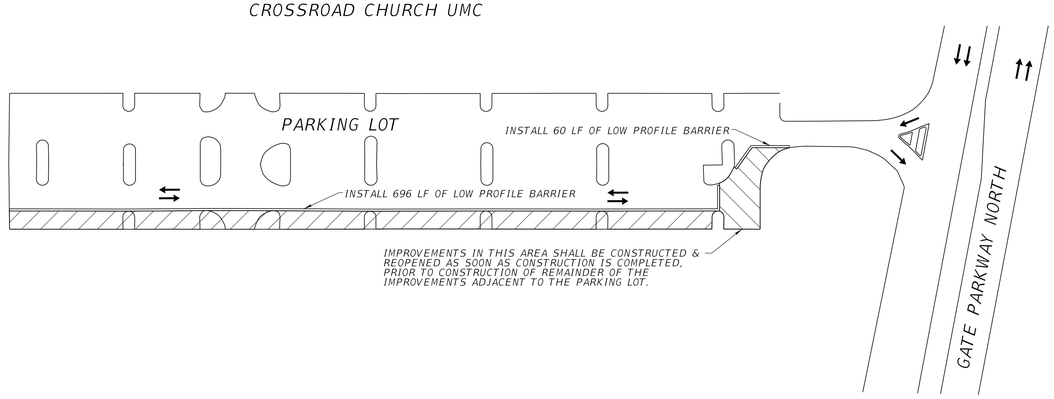


LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- 2 - TYPE III BARRICADES
- WORK ZONE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN

TTCP FOR DRIVEWAY CLOSURE DURING AUGER BORING AT GATE PARKWAY NORTH



NOTE:

1. CLOSE WESTERNMOST PARKING SPACES OF PARKING LOT UNTIL PIPE INSTALLATION IS COMPLETED.

TTCP FOR PARKING LOT CLOSURE

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING

PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVC/HI
DRAWN BY: JVC/HI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP PARKING LOT CLOSURE DETAILS

PROJ. NO. D2254SS3
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 101
DRAWING NO. TTCP-11

JEA PROJ NO.: 8004887

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

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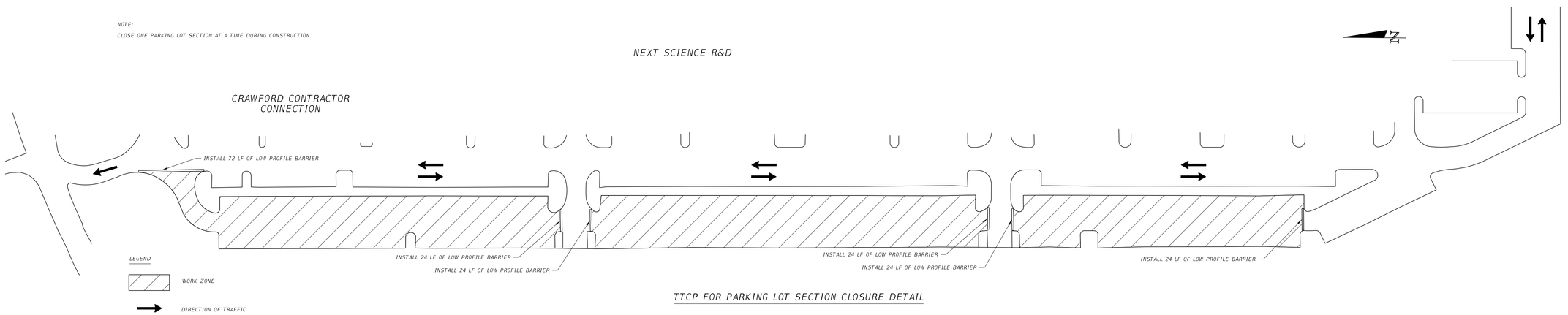
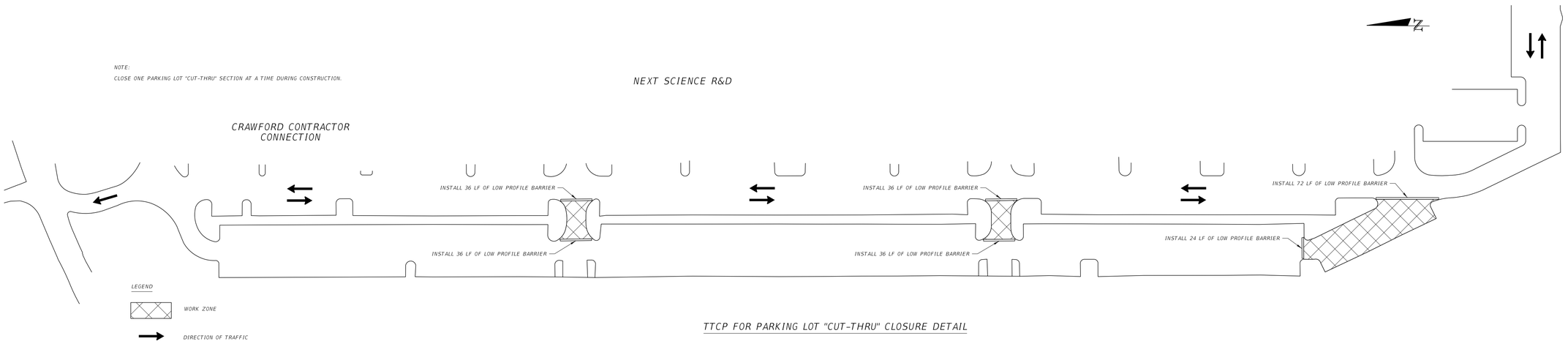
NOTE:
CLOSE ONE PARKING LOT SECTION AT A TIME DURING CONSTRUCTION.

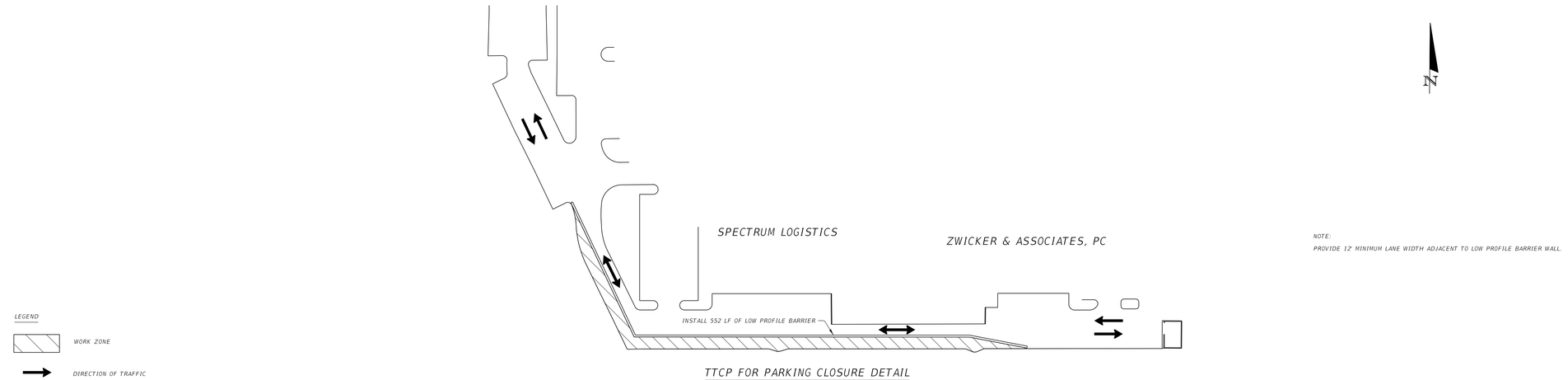


TTCP FOR PARKING LOT SECTION CLOSURE DETAIL

NOTE:
CLOSE ONE PARKING LOT "CUT-THRU" SECTION AT A TIME DURING CONSTRUCTION.



TTCP FOR PARKING LOT "CUT-THRU" CLOSURE DETAIL



TTCP FOR PARKING CLOSURE DETAIL

NOTE:
PROVIDE 12' MINIMUM LANE WIDTH ADJACENT TO LOW PROFILE BARRIER WALL.

PREPARED BY:

PETERS AND YAFFEE, INC.
9822 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP PARKING LOT CLOSURE DETAILS

PROJ. NO.: D3254SI3
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 102
DRAWING NO. TTCP-12

JEA PROJ NO.: 8004887

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

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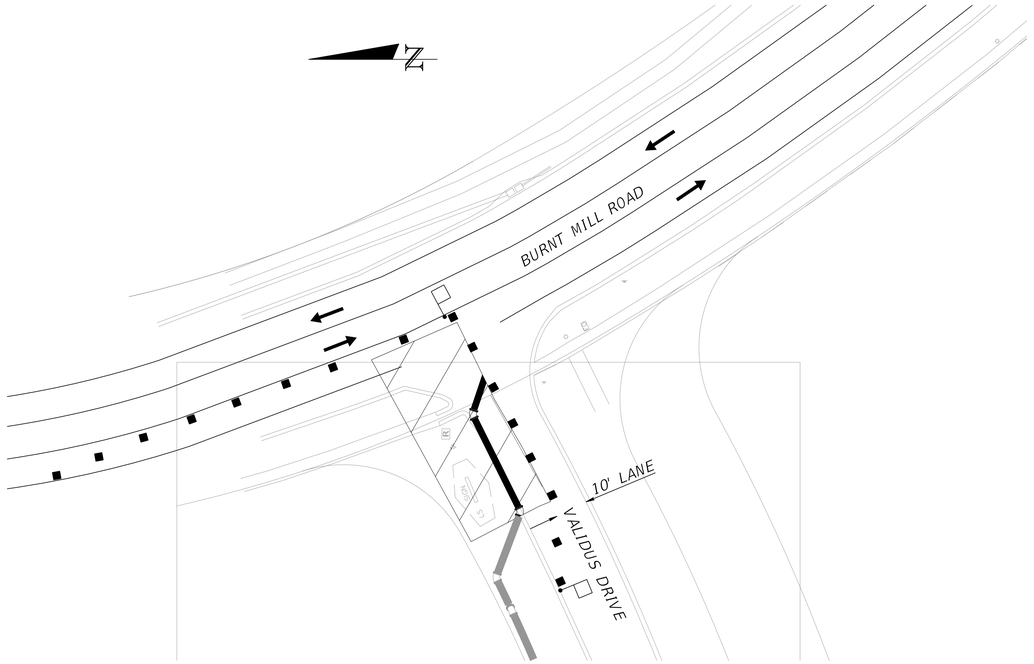
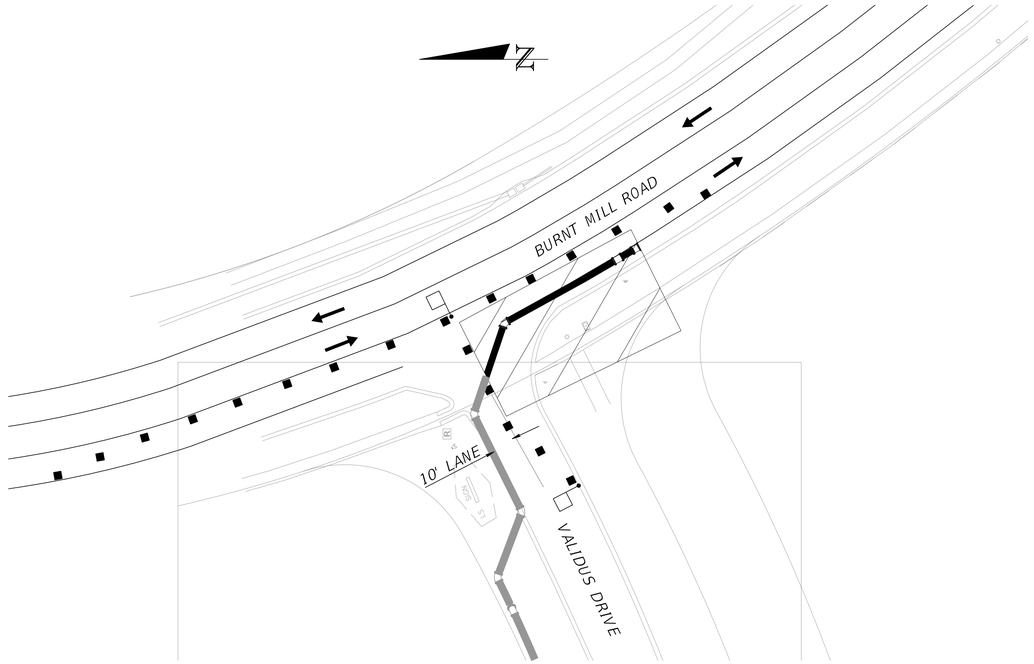
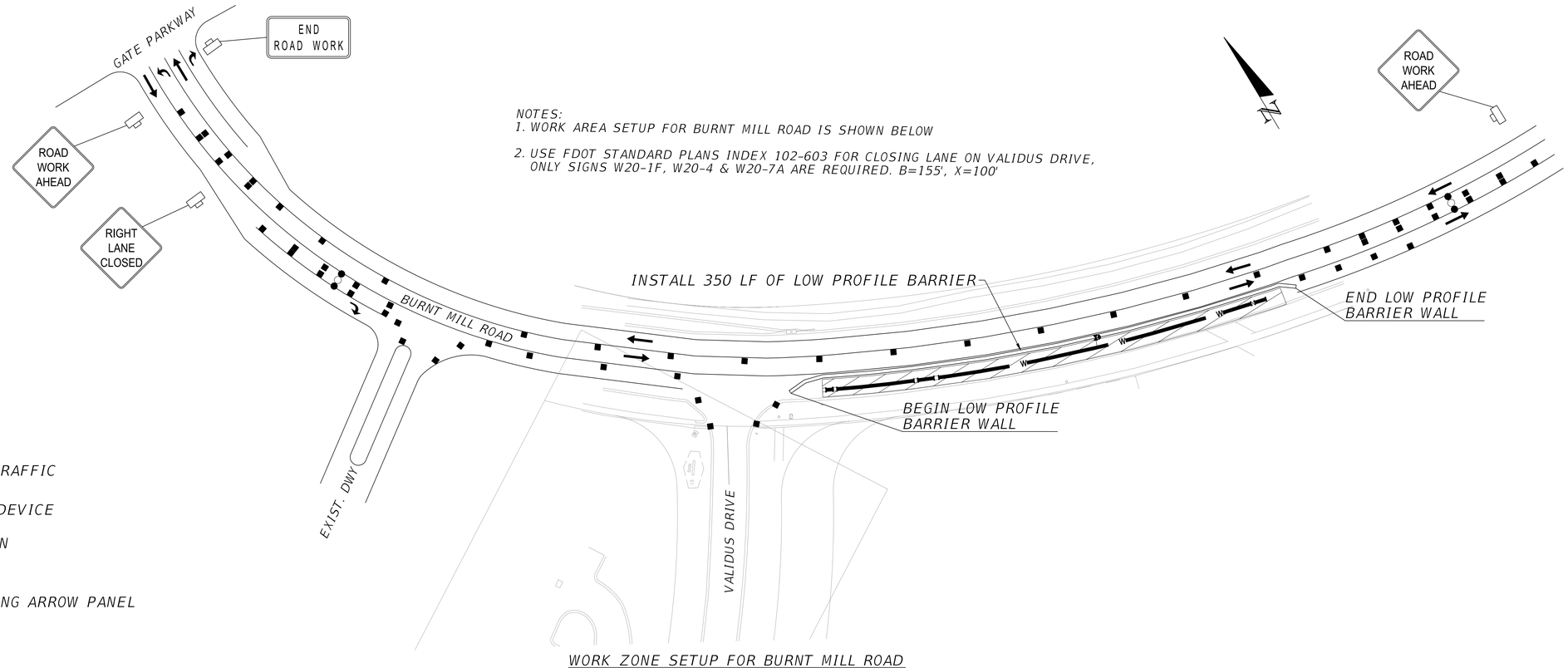


WORK ZONE SETUP FOR NORTH SIDE OF BURNT MILL RD/VALIDUS DR. INTERSECTION



WORK ZONE SETUP FOR SOUTH SIDE OF BURNT MILL RD/VALIDUS DR. INTERSECTION



NOTES:
1. WORK AREA SETUP FOR BURNT MILL ROAD IS SHOWN BELOW
2. USE FDOT STANDARD PLANS INDEX 102-603 FOR CLOSING LANE ON VALIDUS DRIVE, ONLY SIGNS W20-1F, W20-4 & W20-7A ARE REQUIRED. B=155', X=100'

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE SIGN
- FLAGGER
- ADVANCE WARNING ARROW PANEL

WORK ZONE SETUP FOR BURNT MILL ROAD

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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Building Community

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP AT BURNT MILL RD/VALIDUS DR. INTERSECTION

PROJ NO.: D3254983
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 03
DRAWING NO. TTCP-13

JEA PROJ NO.: 8004887
PROJ TITLE: SIPS-SOUTHSIDE BLVD

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TABLE 1
CHANNELIZING DEVICE SPACING

Work Zone Speed (mph)	Max. Spacing (feet)			
	Cones or Temporary Tubular Markers		Type I Barricades, Type II Barricades, Vertical Panels, or Drums	
	Taper	Tangent	Taper	Tangent
≤ 45	25	50	25	50
≥ 50	25	50	50	100

TABLE 2
TAPER LENGTH "L"

Work Zone Speed (mph)	Min. Length (feet)
≤ 40	$L = \frac{WS^2}{60}$
≥ 45	$L = WS$

Where:
W = width of offset in feet
S = speed in mph

TABLE 3
WORK ZONE SIGN SPACING "X"

Road Type	Min. Spacing (feet)
Arterials and Collectors with Work Zone Speed ≤ 40 mph	200
Arterials and Collectors with Work Zone Speed ≥ 45 mph	500
Limited Access Roadways (See Note)	1,500

NOTE:
For Limited access roadways with work zone speed ≤ 55 mph, the minimum spacing may be reduced in accordance with the MUTCD and as approved by the Engineer.

TABLE 4
BUFFER LENGTH "B"

Work Zone Speed (mph)	Min. Length (feet)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

NOTE:
When Buffer Length "B" cannot be attained due to geometric constraints, use the greatest length possible, but not less than 155 feet.

TABLE 5
CLEAR ZONE WIDTHS FOR WORK ZONES

WORK ZONE SPEED (MPH)	TRAVEL LANES & MULTILANE RAMPS (feet)	AUXILIARY LANES & SINGLE LANE RAMPS (feet)
60-70	30	18
55	24	14
45-50	18	10
30-40	14	10
ALL SPEEDS CURB & GUTTER	4' BEHIND FACE OF CURB	4' BEHIND FACE OF CURB

NOTE:
For temporary conditions where existing curb has been removed but not reconstructed, curb and gutter values may be used.

TABLE 6
MINIMUM RADII FOR NORMAL CROWN

WORK ZONE POSTED SPEED	MINIMUM RADIUS
MPH	feet
70	4090
65	3130
60	2400
55	1840
50	1390
45	1080
40	820
35	610
30	430

Superelevate When Smaller Radii is Used

LAST REVISION	REVISION		FY 2021-22 STANDARD PLANS	QUICK REFERENCE SHEET 102 SERIES TABLES
11/01/20				

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PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP FDOT INDEX 102-600

PROJ NO. D3254983
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 104
DRAWING NO. TCDP14

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

JEA PROJ NO.: 8004887

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NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. For incidental work (e.g. mowing or litter removal), only the Road Work Ahead sign is required.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than two feet from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present"signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the temporary condition is in place for 24 hours or less.

7. Temporary pavement markings may be omitted when the work zone is in place for 3 days or less.

8. If the work encroaches on a marked bicycle lane or ridable shoulder, close the lane or shoulder in accordance with the Plans.

9. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median

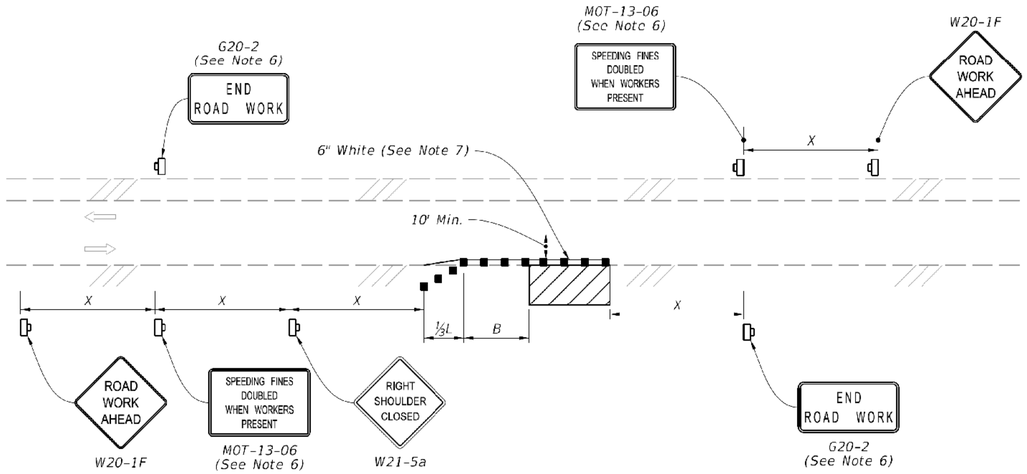
SYMBOLS:

Work Area

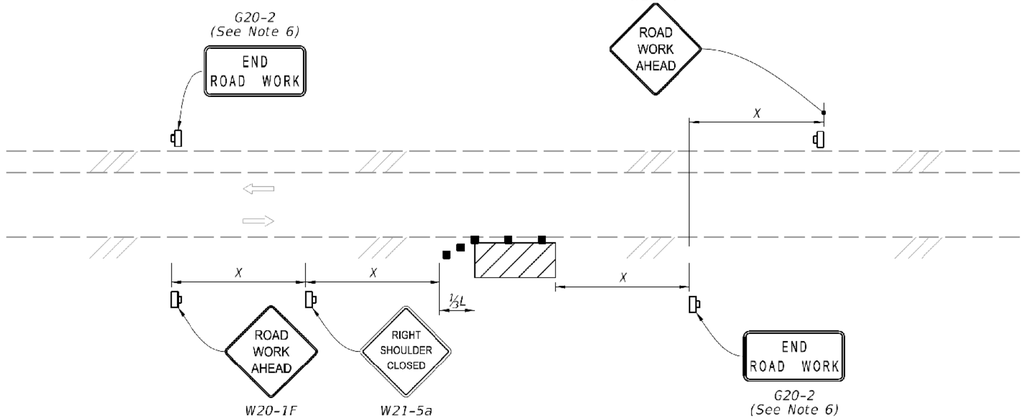
Channelizing Device (See Index 102-600)

Work Zone Sign

Lane Identification and Direction of Traffic



TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2021-22 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 2

PREPARED BY:

PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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JEA Building Community

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP FDOT INDEX 102-602

PROJ.NO.: 03254953
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 1/2
SHEET NO. 105
DRAWING NO. TTCP-15

JEA PROJ NO.: 8004887
PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

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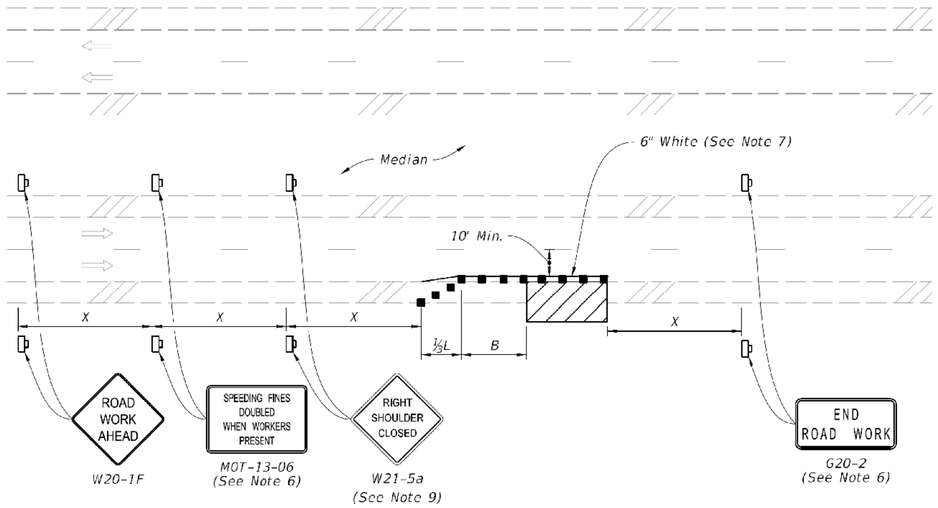
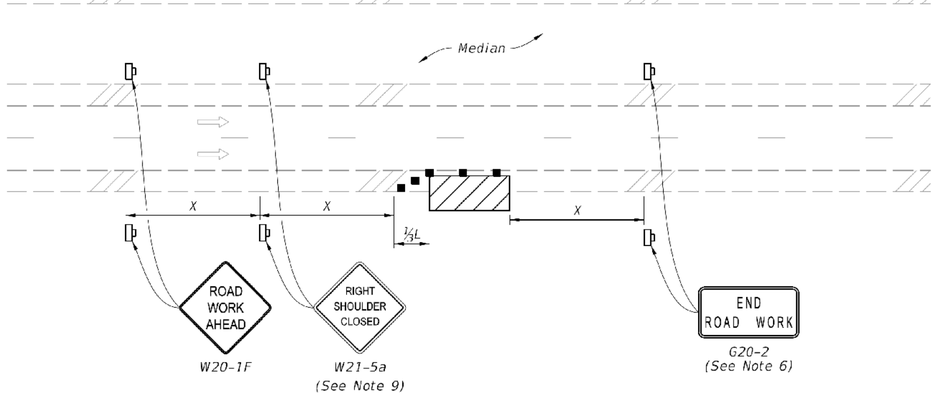
SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/20						102-602	2 of 2

10/9/2020 1:18:48 PM

PREPARED BY:

PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER: MIKE MOLKENBUR
FLORIDA REGISTRATION NO. 66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

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JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP FDOT INDEX 102-602

PROJ. NO. D3254953
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 105
DRAWING NO. TTCP-16

JEA PROJ NO.: 8004887

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

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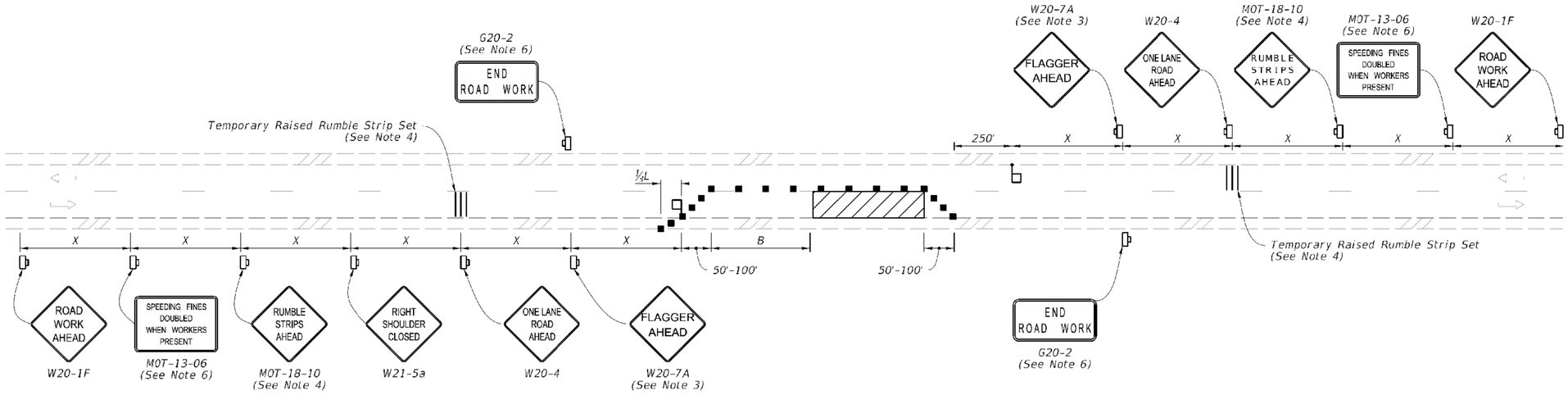


NOTES:

1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.

2. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Spacing
   See Index 102-600 for "L", "B", "X" and channelizing device spacing values.

3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).

4. Use temporary raised rumble when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (MOT-18-10) and associated work zone sign spacing.

5. Additional one-way control may be provided by the following means:
   a. Flag-carrying vehicle
   b. Official vehicle
   c. Pilot vehicles
   d. Traffic signals

   When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.

6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work zone will be in place for 24 hours or less.

7. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the APL vendor drawings.

8. Special Conditions may be required in accordance with these notes and the following sheets:

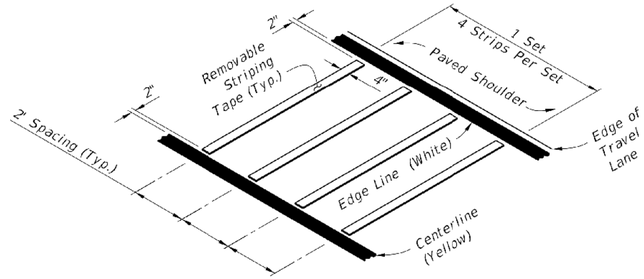
   A. Railroad Crossings:
      a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.
      b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.

   B. If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 2 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder and the Work Zone will be in place for 24 hours or less. Reduce the posted speed when appropriate.

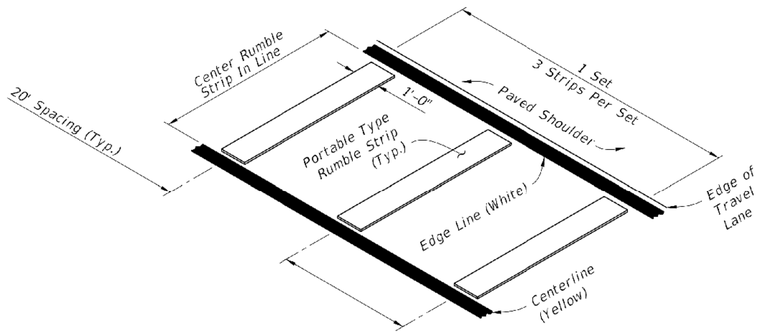
9. If the work encroaches on a marked bicycle lane or ridable shoulder, close the lane or shoulder in accordance with the Plans.

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic
- Flagger



OPTION - 1
REMOVABLE STRIPING TYPE



OPTION - 2
PORTABLE TYPE

RUMBLE STRIP SETS

LAST REVISION	REVISION	DESCRIPTION:
11/01/20		

FDOT FY 2021-22 STANDARD PLANS

TWO-LANE, TWO-WAY
WORK WITHIN THE TRAVEL WAY

INDEX 102-603

SHEET 1 of 2

10/12/2020 6:15:07 AM

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PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
6.			
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DESIGNED:	JVCHI
DRAWN BY:	JVCHI
DATE:	MAY 2021
CHECKED BY:	MRM
DATE:	MAY 2021

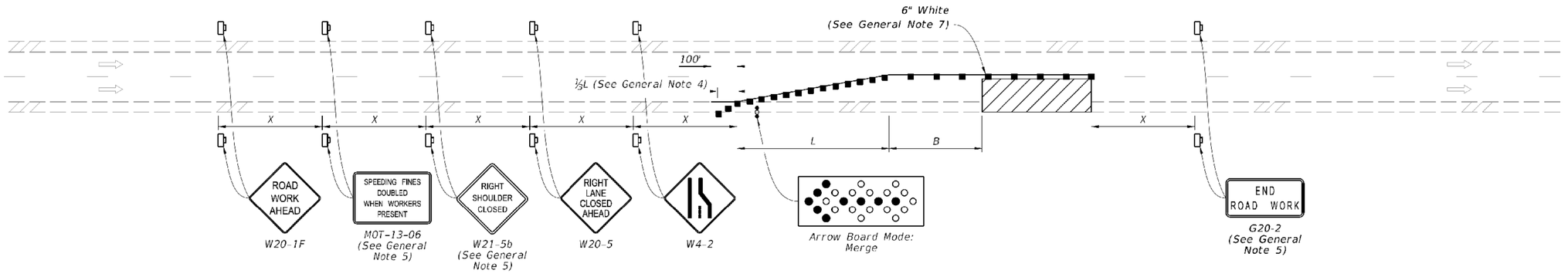
JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP FDOT INDEX 102-603

JEA PROJ NO.: 8004887 PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

PROJ. NO.	D32546S3
DATE:	MAY 2021
SCALE:	N.T.S.

NO. SHEETS	112
SHEET NO.	107
DRAWING NO.	TTCP-17



SINGLE LANE CLOSURE

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic
- Arrow Board

GENERAL NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", and channelizing device spacing values.

2. On undivided highways the median signs as shown are to be omitted.

3. On limited access facilities, omit "Shoulder Closed Ahead" signs (W21-5b) and associated work zone sign spacing distances.

4. If the paved shoulder is less than 4' in width, omit the taper and channelizing devices from the paved shoulder.

5. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2) and "Shoulder Closed Ahead" (W21-5b), along with associated work zone sign distances, may be omitted when the work zone will be in place for 24 hours or less. For Single Lane Closures, arrow boards and buffer (B) may also be omitted when the work zone will be in place for 60 minutes or less and the speed limit is 45 mph or less.

6. Use inverted plan of the illustrations for work on left side of roadways.

7. Temporary pavement markings may be omitted when the work zone is in place for 3 days or less.

8. If the work encroaches on a marked bicycle lane or ridable shoulder, close the lane or shoulder in accordance with the Plans.

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	INDEX	SHEET
11/01/20						102-613	1 of 5

10/12/2020 6:19:37 AM

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PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
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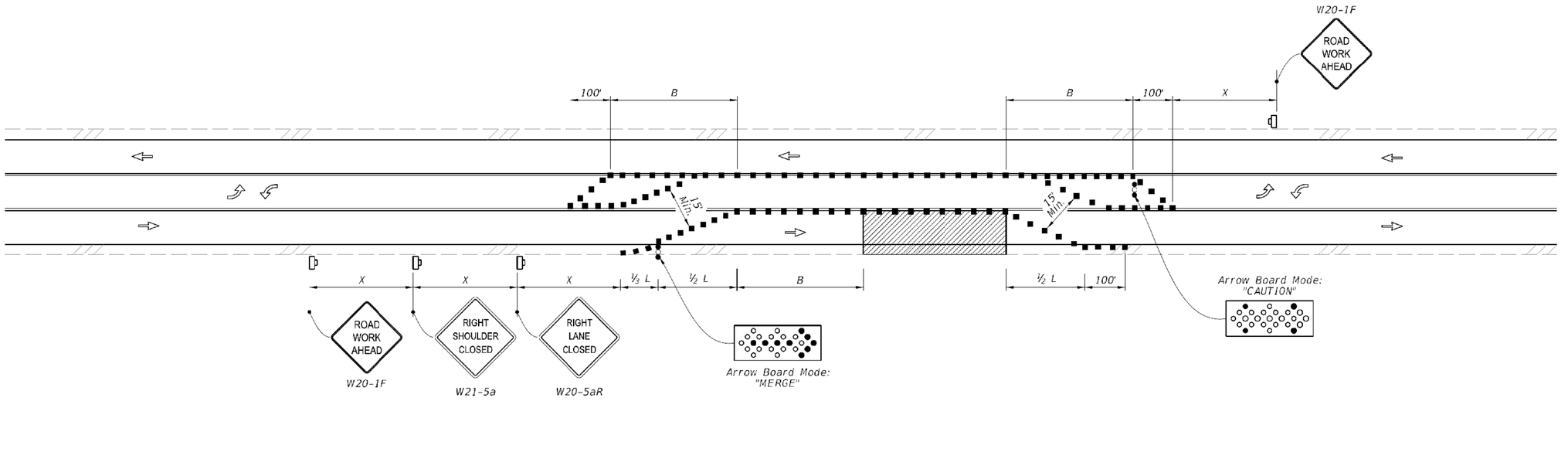
JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP FDOT INDEX 102-613

JEA PROJ NO.: 8004887
PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

PROJ. NO. D3254SS3
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 108
DRAWING NO. TTCP-18



TEMPORARY SHIFT TO TWO-WAY LEFT-TURN LANE, WORK WITHIN THE TRAVELED WAY WITH LANE CLOSURES OF 24 HRS OR LESS AND WORK ZONE SPEED OF 45 MPH OR LESS

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Arrow Board
- Work Zone Sign
- Lane Identification and Direction of Traffic
- Flagger

10/12/2020 6:22:46 AM

LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2021-22 STANDARD PLANS	TWO-WAY LEFT-TURN LANES	INDEX	SHEET
11/01/20					102-628	3 of 3

PREPARED BY:

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

NO.	BY	DATE	REVISIONS
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DESIGN ENGINEER: MIKE MOLKENBUR
FLORIDA REGISTRATION NO. 66845

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP FDOT INDEX 102-628

PROJ. NO. D3254953
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 109
DRAWING NO. TTCP-19

JEA PROJ NO.: 8004887
PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

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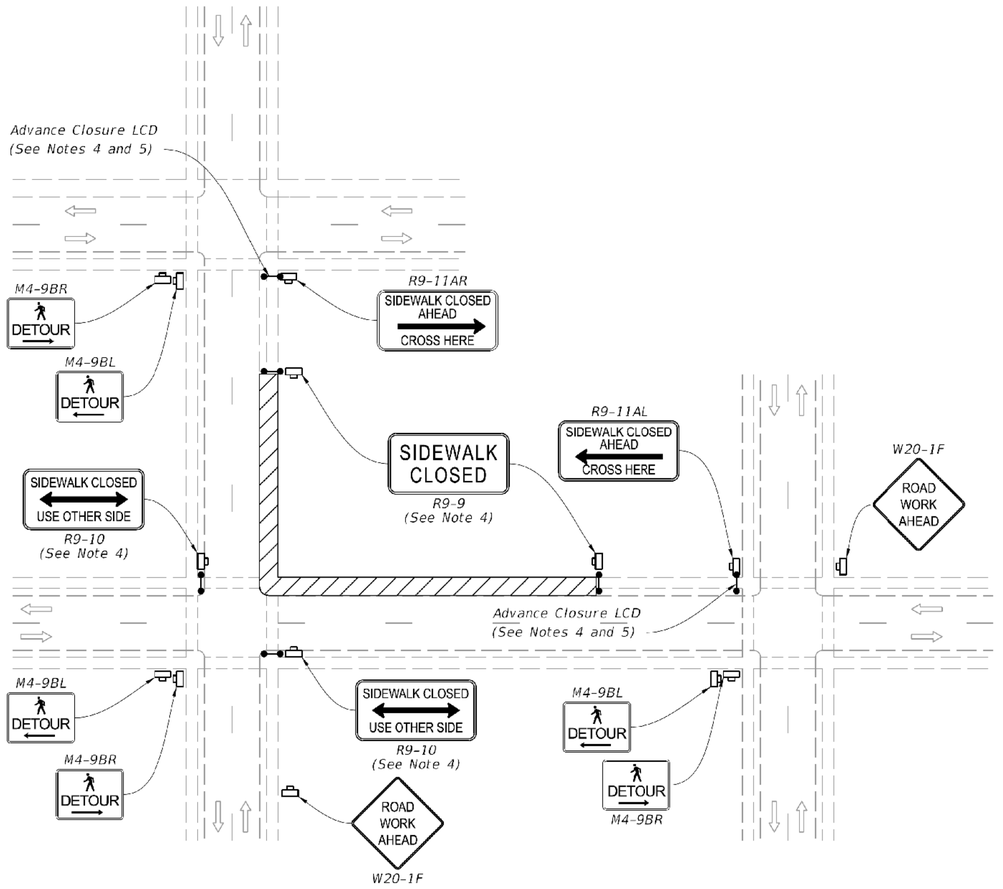
NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
2. Place pedestrian LCDs across the full width of the closed sidewalk.
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.
5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Lane Identification and Direction of Traffic
- Pedestrian Longitudinal Channelizing Device (LCD)



PEDESTRIAN DETOUR

LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2021-22 STANDARD PLANS	SIDEWALK CLOSURE	INDEX	SHEET
11/01/20					102-660	1 of 2

PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258

DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

DESIGN ENGINEER
MIKE MOLKENBUR
FLORIDA REGISTRATION NO.
66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
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JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP FDOT INDEX 102-660

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

JEA PROJ NO.: 8004887

PROJ. NO. D22546S3
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 110
DRAWING NO. TTCP 20

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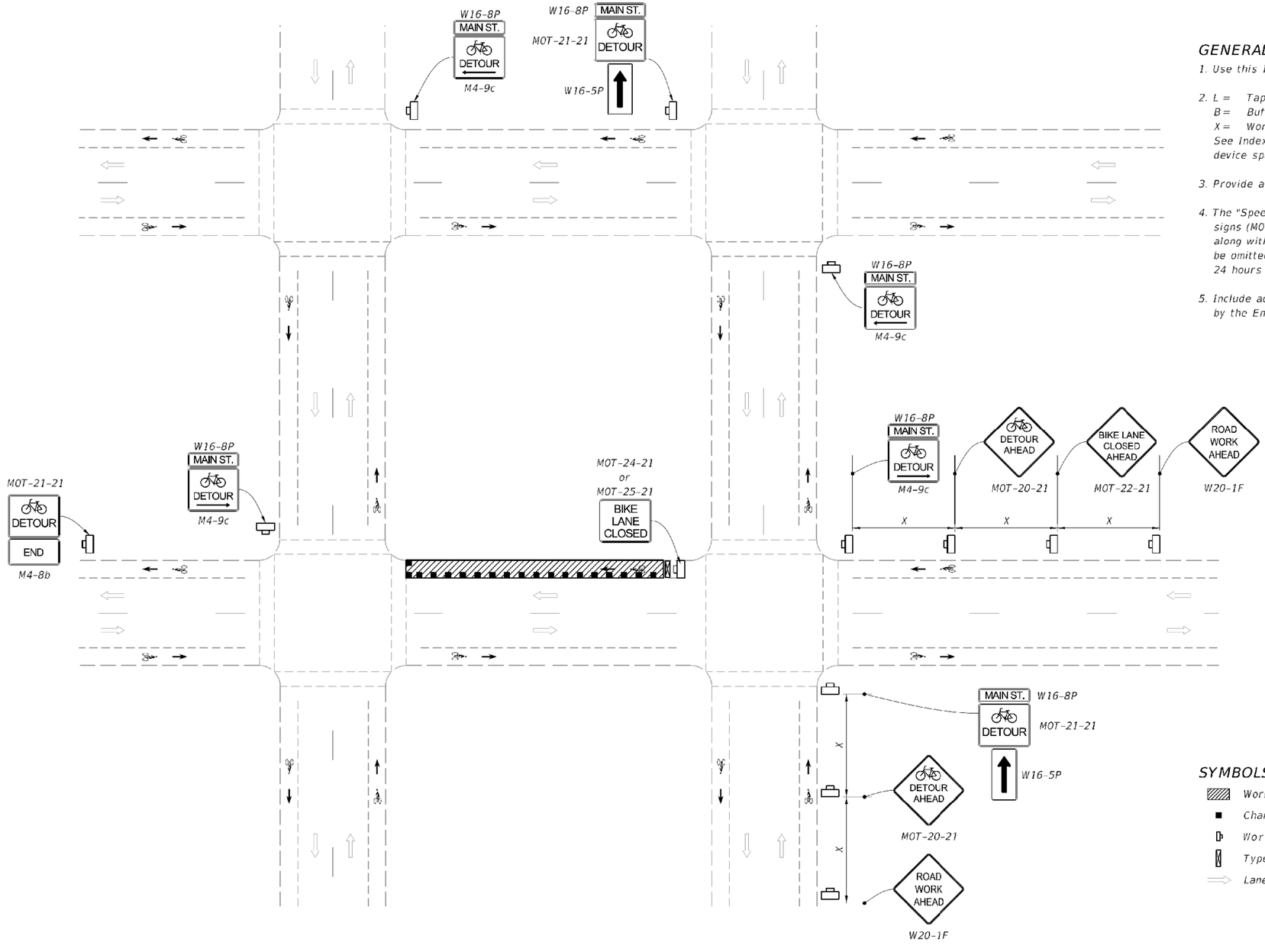

GENERAL NOTES:

1. Use this Index only when called for in the Plans.
2. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.
3. Provide a minimum 5'-0" wide bicycle path.
4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work zone will be in place for 24 hours or less.
5. Include additional signage at intersections as required by the Engineer or shown in the Plans.

BICYCLE DETOUR

LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2021-22 STANDARD PLANS	BICYCLE LANE CLOSURES	INDEX	SHEET
11/01/20					102-661	1 of 2

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PREPARED BY:

peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258
DESIGN ENGINEER: MIKE MOLKENBUR
FLORIDA REGISTRATION NO. 66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
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DESIGNER: JVCHI
DRAWN BY: JVCHI
DATE: MAY 2021
CHECKED BY: MRM
DATE: MAY 2021

JEA Building Community sm

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
TTCP FDOT INDEX 102-661

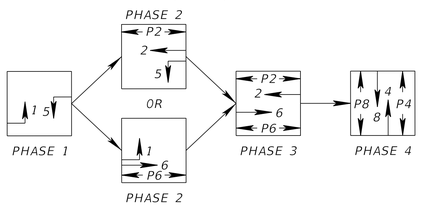
PROJ. NO. D3254SS3
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 111
DRAWING NO. TTCP-21

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP

JEA PROJ NO.: 8004887

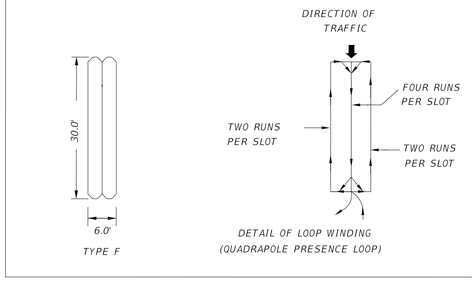
SIGNAL OPERATING PLAN
(SOP 7)

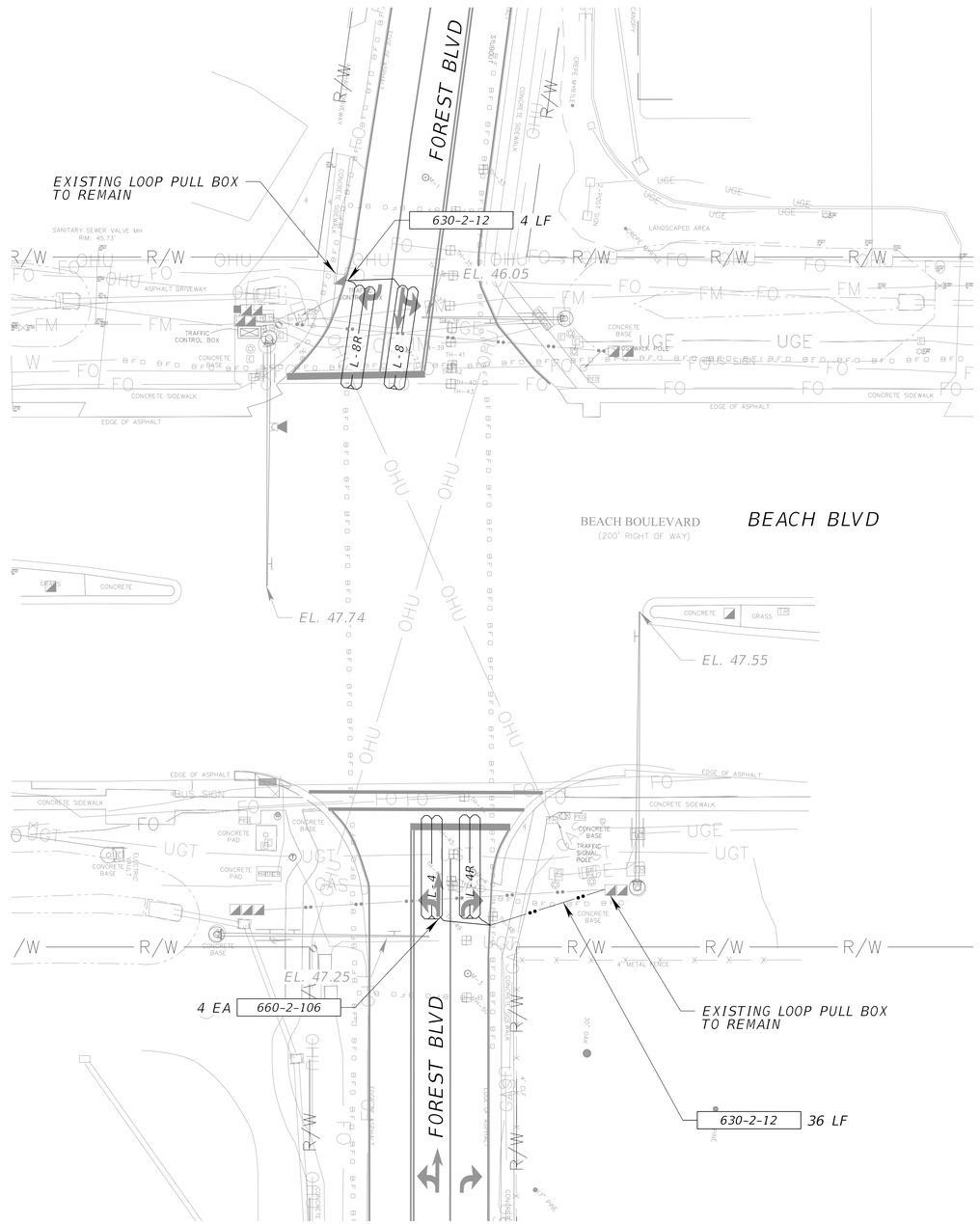


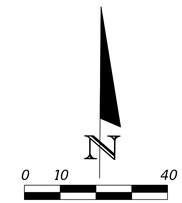
CONTROLLER TIMINGS									
TIMING FUNCTION									
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN	4	18		6	4	18		6
	EXTENSION	3	2.5		3	3	2.5		3
	MAXIMUM GREEN 1	20	60		25	20	60		25
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE	4.8	4.8		3.7	4.8	4.8		3.7
	ALL RED	2.0	2.0		2.1	2.0	2.0		2.1
	PEDESTRIAN WALK		7		7		7		7
	PED. CLEARANCE		24		32		19		31
	RECALL		MIN				MIN		

DETECTORS FOR LOOPS				
LOOP	NO. OF LOOPS	EXISTING DET. ID	CHANNEL NO.	DELAY TIME (SEC)
L-4	1	L4	1	0
L-4R	1		2	8
L-8	1	L8	1	0
L-8R	1		2	10

LOOP DETAILS







NOTES:

1. EXISTING PULL BOXES AND CONDUITS TO REMAIN.
2. MAJOR STREET IS SR 212 (BEACH BLVD.), MOVEMENTS 1, 2, 5 & 6. MINOR STREET IS FOREST BLVD., MOVEMENTS 4 & 8.
3. CONTROLLER TO OPERATE AS SOP 7.
4. ALL TYPE F LOOPS SHALL BE MODIFIED TO 30 FEET IN LENGTH AND SHALL EXTEND 4 FEET IN FRONT OF STOP BAR.
5. REFER TO PAVEMENT MARKING PLAN 8, SHEET CS-3.08 FOR STRIPING REQUIREMENTS.

INTERSECTION NUMBER
72M522

PREPARED BY:
peters yaffee TRANSPORTATION & TRAFFIC ENGINEERING
PETERS AND YAFFEE, INC.
9922 TAPESTRY PARK CIRCLE, SUITE 205
JACKSONVILLE, FL 32246
(904) 265-0751
COA # 28258
DESIGN ENGINEER: MIKE MOLKENBUR
FLORIDA REGISTRATION NO. 66845

Jacobs
200 WEST FORSYTH STREET, SUITE 1520
JACKSONVILLE, FL 32202
T: (904) 636-5432
F:(904) 224-3102
COA # 2822

NO.	BY	DATE	REVISIONS
6.			
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DESIGNED:	DM		
DRAWN BY:	DM		
DATE:	MAY 2021		
CHECKED BY:	MRM		
DATE:	MAY 2021		

JEA

SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
SIPS WATER MAIN AND RAW WATER MAIN
LOOP REPLACEMENT PLAN

PROJ. NO. D3254953
DATE: MAY 2021
SCALE: N.T.S.

NO. SHEETS 112
SHEET NO. 112
DRAWING NO. SG-01

PROJ TITLE: SIPS-SOUTHSIDE BLVD. INTERTIE TO DEERWOOD III WTP
JEA PROJ NO.: 8004887