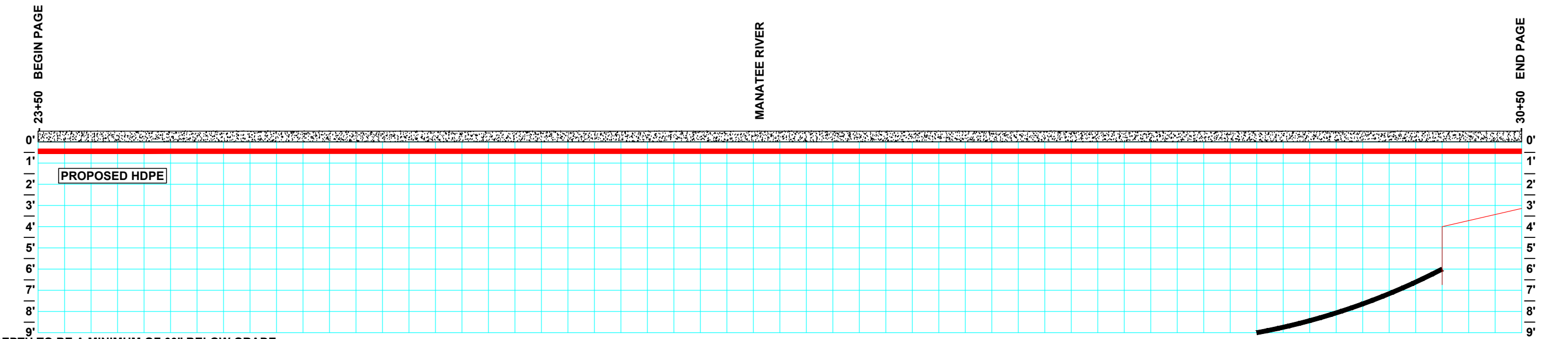
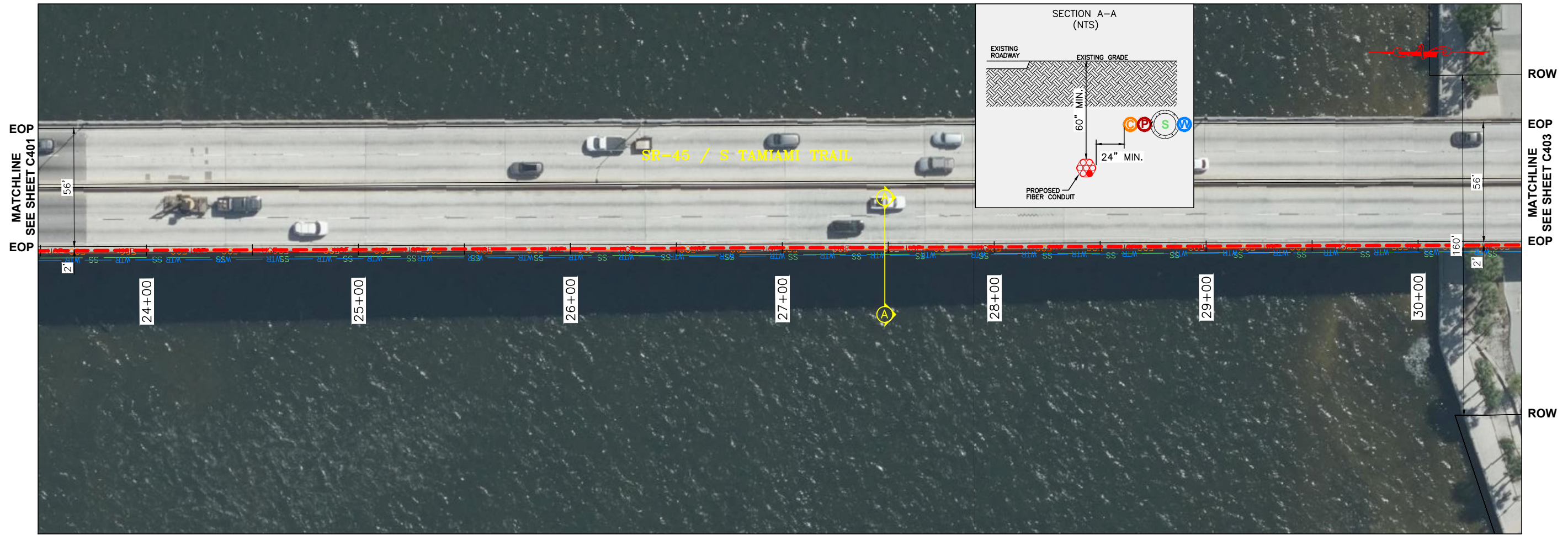
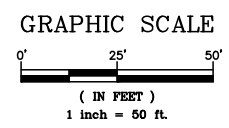


**SPEED
LIMIT
50**

**PULL FIBER
EST = 700'
DIR. BORE 1-2"
EST = 700'**



UNDERGROUND
ALL CONSTRUCTION IS PROPOSED
 SOUTHERN LIGHT WILL MAINTAIN 24" FROM EXISTING UTILITIES.
 SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
 AN EXTENSIVE LOCATE WILL BE PERFORMED PRIOR TO CONSTRUCTION.



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 MOBILE, AL 36606

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 PRIOR TO ANY WORK PERFORMED.
 CONTACT Southern Light: 877-652-2321

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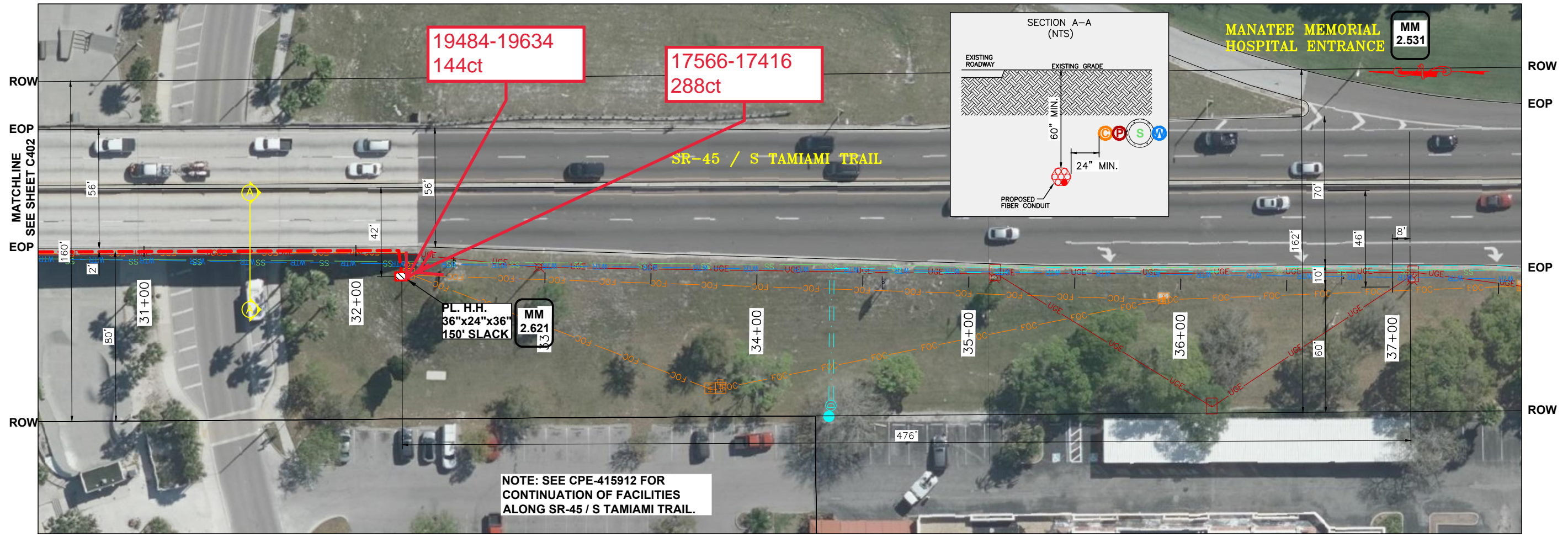
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BRADENTON TO SARASOTA & INDIAN RIVER - CPE-415912
 SR-45 / S TAMiami TRAIL
 BRADENTON, FL

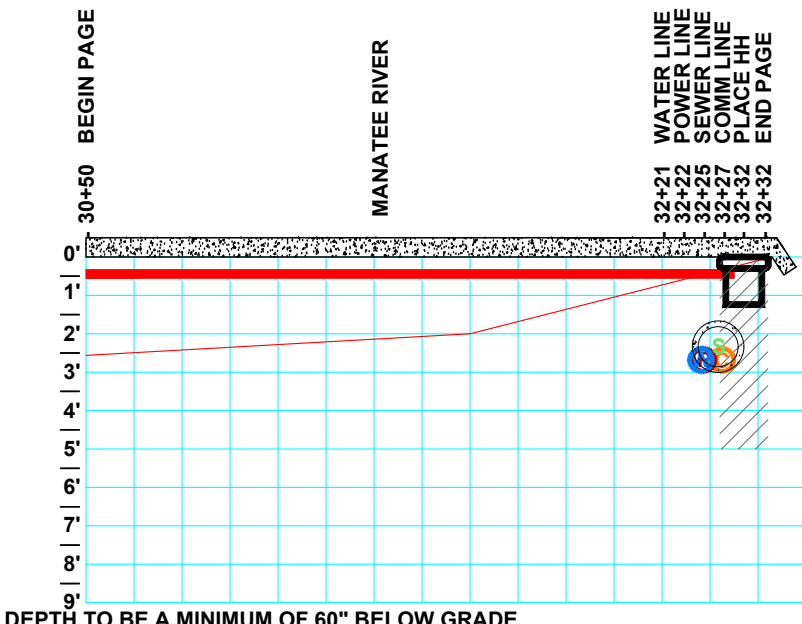
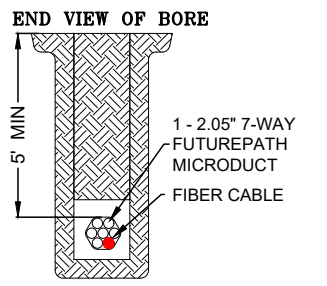
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		INDEX REF.: G100	ENG: A.C.J.	DRAWN BY: T.P.T.
		VERSION: N/A	SPLICE DWG.: N/A	DWG. NO.: C402

SPEED LIMIT
50

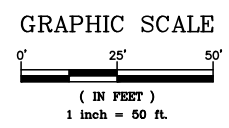
PULL FIBER
EST = 332'
DIR. BORE 1-2"
EST = 182'



NOTE: SEE CPE-415912 FOR CONTINUATION OF FACILITIES ALONG SR-45 / S TAMiami TRAIL.



UNDERGROUND
ALL CONSTRUCTION IS PROPOSED
SOUTHERN LIGHT WILL MAINTAIN 24" FROM EXISTING UTILITIES.
SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
AN EXTENSIVE LOCATE WILL BE PERFORMED PRIOR TO CONSTRUCTION.



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BRADENTON TO SUWANEE R. INT. 14 - CPE-415912
SR-45 / S TAMiami TRAIL
BRADENTON, FL

DATE:	REVISIONS:	SCALE: AS NOTED	PROJ. NO.: CPE-415912	DATE: 11.16.2020
		INDEX REF.: G100	ENG: A.C.J.	DRAWN BY: T.P.T.
		VERSION: N/A	SPLICE DWG.: N/A	DWG. NO.: C403



WEST SIDE – LOOKING SOUTH

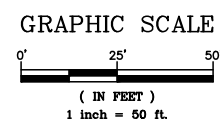


WEST SIDE – LOOKING NORTH

DEPTH TO BE A MINIMUM OF 60" BELOW GRADE

UNDERGROUND
ALL CONSTRUCTION IS PROPOSED

SOUTHERN LIGHT WILL MAINTAIN 24" FROM EXISTING UTILITIES.
SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
AN EXTENSIVE LOCATE WILL BE PERFORMED PRIOR TO CONSTRUCTION.



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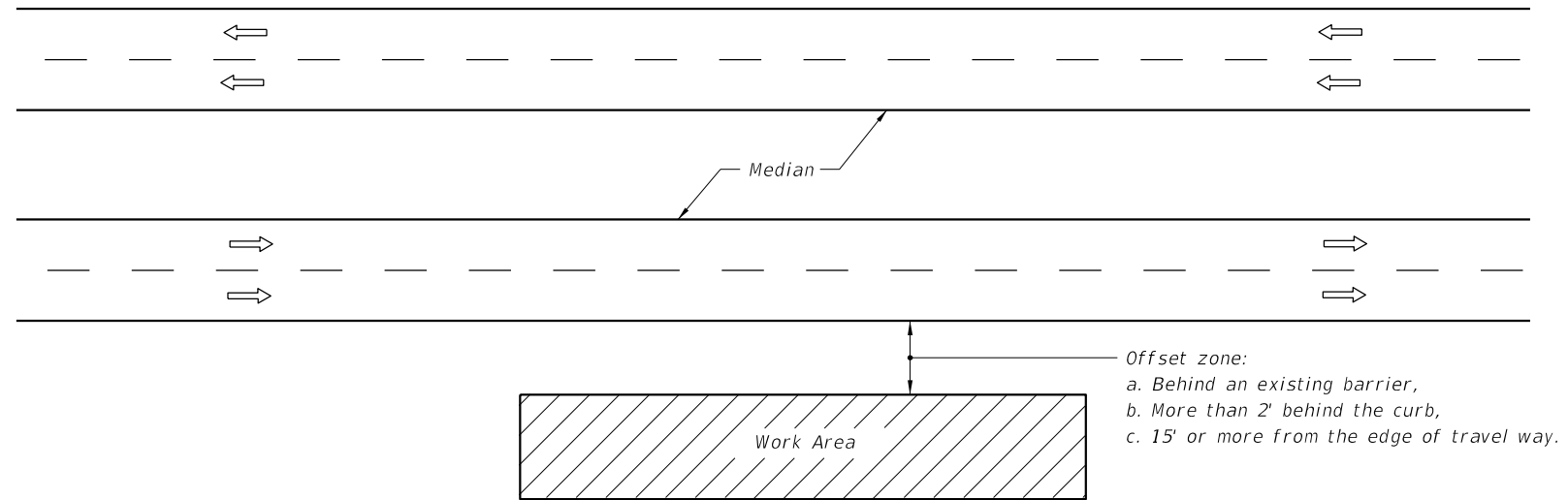
ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE.
CONTRACTOR IS RESPONSIBLE FOR ALL LOCATING
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CONTACT Southern Light: 877-652-2321

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BRADENTON TO SUWANNEE R. BR.14 - CPE-415912
SR-45 / S TAMAMI TRAIL
BRADENTON, FL



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		INDEX REF.: G100	ENG: A.C.J.	DRAWN BY: T.P.T.
		VERSION: N/A	SPLICE DWG.: N/A	DWG. NO: C403A



GENERAL NOTES

1. If the work operation (excluding establishing and terminating the work area), requires that two or more work vehicles cross the offset zone in any one hour, traffic control will be in accordance with Index 102-612.
2. No special signing is required.
3. This index also applies when work is being performed on a multilane undivided highway.
4. This index also applies to work performed in the median behind an existing barrier or more than 15' from the edge of travel way, both roadways. Work performed in the median behind curb and gutter shall be in accordance with Index 102-612.
5. When a side road intersects the highway within the work area, additional traffic control devices shall be placed in accordance with other applicable TCZ Indexes.
6. When construction activities encroach on a sidewalk, refer to Index 102-660.
7. For general TCZ requirements and additional information, refer to Index 102-600.


SYMBOLS

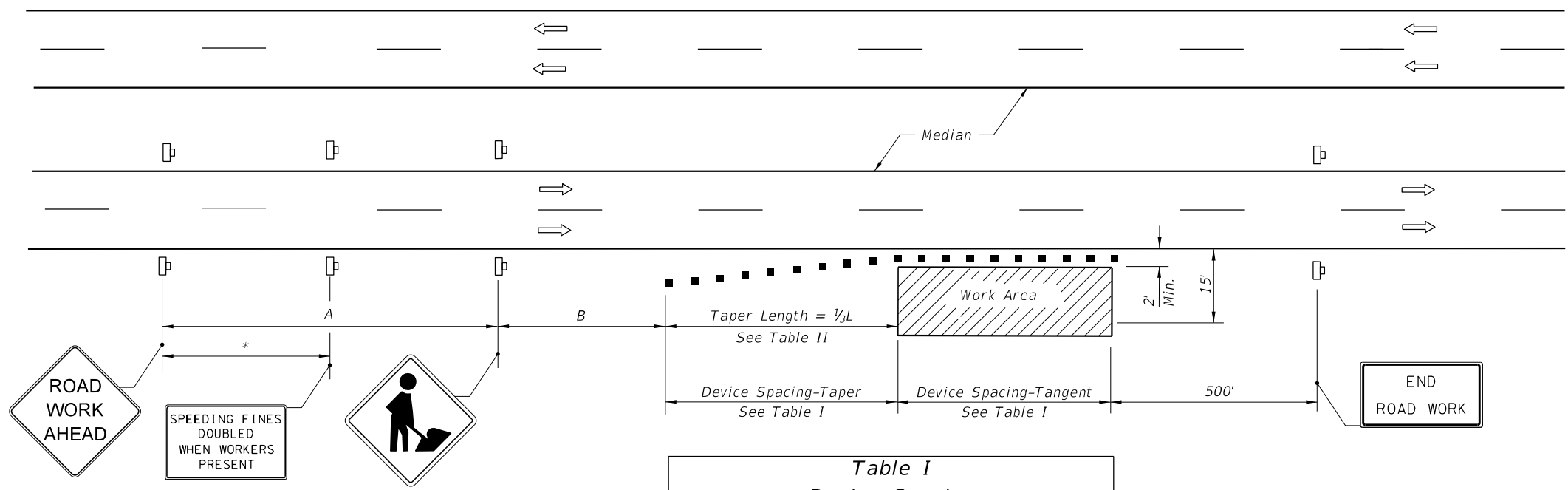
-  Work Area
-  Lane Identification + Direction of Traffic

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE BEHIND AN EXISTING BARRIER, MORE THAN 2' BEHIND THE CURB, OR 15' OR MORE FROM THE EDGE OF TRAVEL WAY.

2/26/2020 12:33:15 PM

LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	MULTILANE, WORK OUTSIDE SHOULDER	INDEX 102-611	SHEET 1 of 1
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DISTANCE BETWEEN SIGNS		
Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

* 250' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Table I Device Spacing				
Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Table II Taper Length - Shoulder				
Speed (mph)	1/3 L (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS ² / 60
30	40	50	60	
35	55	68	82	
40	72	90	107	L = WS
45	120	150	180	
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width.

1/3 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

GENERAL NOTES

- When a high volume of work vehicles are entering and leaving the Work Area at speeds slower than 10 MPH below the posted speed, place an M0T-5-06 sign in the ROAD WORK AHEAD sign location and shift the ROAD WORK AHEAD sign upstream 500 ft.
- This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index 102-600.

DURATION NOTES

- Signs and channelizing devices may be omitted if all of the following conditions are met:
 - Work operations are 60 minutes or less.
 - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

SYMBOLS

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

2/26/2020 12:33:42 PM

UNDERGROUND

PL. H.H. 36"x24"x36" 150' SLACK		PROPOSED HANDHOLE
4'x4'x5' BORE PIT		PROPOSED BORE PIT
EXIST. H.H. 36"x24"x36" 150' SLACK		EXISTING HANDHOLE
		EXISTING MONITOR WELL
		EXISTING UTILITY HANDHOLE
		EXISTING TRAFFIC LIGHT
		EXISTING TRAFFIC CABINET
		EXISTING COMM CABINET
		EXISTING ELECTRIC VAULT
		EXISTING TRANSFORMER
		EXISTING FIRE HYDRANT
		EXISTING STORM SEWER M.H.
C&R ASPHALT EST = 0 ACT = 0		PROPOSED CUT/REPAIR ACTION
C&R SIDEWALK EST = 0 ACT = 0		PROPOSED CUT/REPAIR ACTION
		EXISTING STORM DRAIN
		EXISTING TRAFFIC HAND HOLE
		EXISTING CATV MANHOLE
		EXISTING POWER MANHOLE
		EXISTING SAN/SEW MANHOLE
		EXISTING COMM MANHOLE
		EXISTING COMM HANDHOLE

UNDERGROUND

		EXISTING COMM PEDESTAL
		EXISTING STREET LIGHT POLE
		EXISTING STREET LIGHT POLE
		EXISTING CROSS WALK POLE
		EXISTING GAS/ SEWER/ WATER VALVE
		EXISTING GAS/ WATER METER
		EXISTING GUARDRAIL
		EXISTING UTILITY MARKER
		EXISTING CULVERT CULVERT PROFILE
AERIAL		
		PROPOSED POLE
		EXISTING UTILITIES POLE
		EXISTING STEEL OR CONCRETE POLE
		PROPOSED POLE ANCHOR
		EXISTING GROUND AT POLE
		PLACE STORE SLACK
		EXISTING STORE SLACK
		MOVE EXISTING STORE SLACK
		LASH TO EXISTING
		TREE

ABBREVIATIONS

FOG = FOG LINE
EOP = EDGE OF PAVEMENT
C/L = CENTERLINE
BOC = BACK OF CURB
ROW = RIGHT OF WAY
PWR = PRIMARY POWER
SEC = SECONDARY POWER
TRI = TRIPLEX
CATV = CABLE TELEVISION
F.O. = FIBER OPTIC CABLE
TEL = TELEPHONE
TRANS = TRANSFORMER
XARM = POWER CROSSING ARM
H/L = HOT LEG
(MR/RQ: MOVE TO ??' ??') = MAKE READY
ST.LT. = STREET LIGHT
YD.LT. = YARD LIGHT
S/L = SOUTHERN LIGHT
SL FO = SOUTHERN LIGHT FIBER CABLE
D/W = DRIVEWAY

EXISTING UTILITIES

	STORM DRAIN LINE
	UNDERGROUND POWER LINE
	UNDERGROUND POWER LINE
	GAS LINE
	SEWER LINE
	WATER LINE
	COMM LINE
	DRAIN LINE
	PROPERTY LINE
	TRAFFIC LINE
	HOT WATER LINE
	CABLE TV LINE
	TOE OF SLOPE
	AT&T LINE
	TEL LINE
	RAILROAD TRACKS
	FENCE LINE
	CENTER LINE
	ROW LINE
	OTHER FIBER OPTIC CABLE
	PROPOSED FIBER OR DUCT

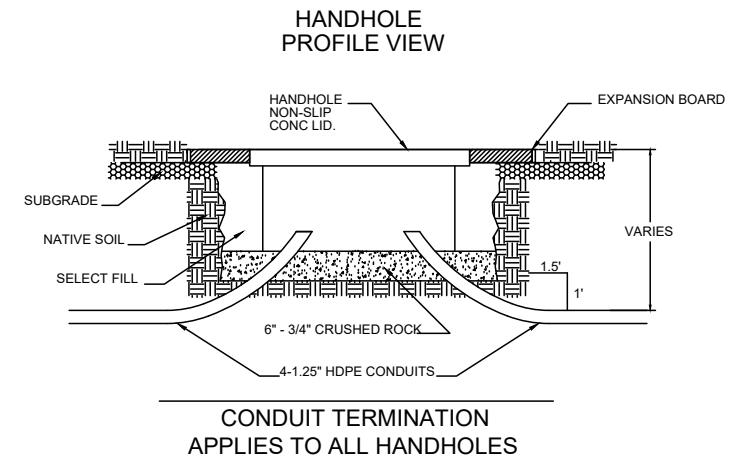
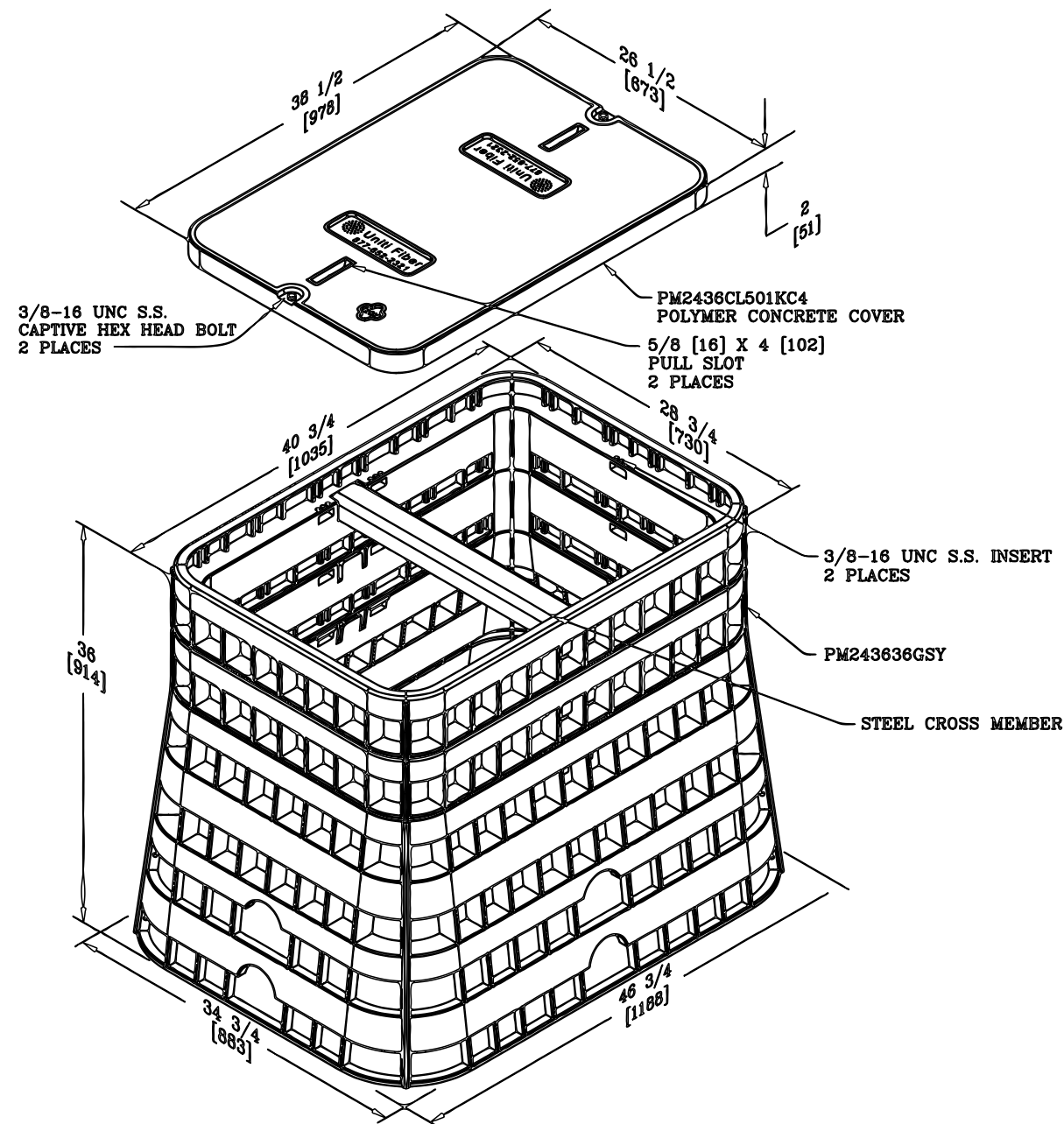
UTILITY PROFILES

	STORM DRAIN
	POWER
	GAS
	SEWER
	WATER
	COMM
	DRAIN
	MMP ARROW
	ADDRESS REF
	SIDEWALK
PROPERTY / ROW	
	CONCRETE MONUMENT FOUND
	CAPPED IRON PIN FOUND
	NAIL W/ WASHER FOUND
	REBAR FOUND

MISC.

	FIBER OPTIC TOWER
	WATER TOWER
	NORTH ARROW
	MATCHLINE
	TRAFFIC ARROWS
TEXT BLOCK COMPLETE	
REF # 1-6 APCO - N/A ID # N/A H/L - 30' + SL FO ATTACH - 22' 9" ST. LT. - 29' 2" CATV - 22' 4" (MR/RQ: MOVE TO ??' ??') TEL - 21' 4"	

HANDHOLE TYPICAL DETAIL



1. PLACE 6" OF 3/4" CRUSHED ROCK OR 3/8" PEA GRAVEL IN THE BOTTOM OF THE EXCAVATION.
2. HANDHOLE WILL BE SET TO MATCH EXISTING SIDEWALK GRADE AND PARALLEL WITH CURB AND STREET.
3. HDPE CONDUIT SHALL BE PLACED IN THE CORNERS OF HANDHOLE.
4. TERMINATE THE HDPE CONDUIT A MINIMUM OF SIX (6) INCHES ABOVE THE ROCK. DO NOT TERMINATE HDPE CONDUIT MORE THAN EIGHT (8) INCHES ABOVE THE ROCK.
5. A MINIMUM OF TEN (10) FEET OF TRACER SHALL BE IN EACH HANDHOLE.
6. SELECT FILL WILL BE EITHER FLOWABLE FILL OR CLEAN SAND AS REQUIRED BY PERMITTING OFFICIAL.
7. FILL SHOULD BE COMPACTED IN 6" LIFTS AS PER STANDARD SPECIFICATIONS.
8. BEARING WEIGHT LIMIT 20,000 POUNDS.

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CONTACT Southern Light: 877-652-2321

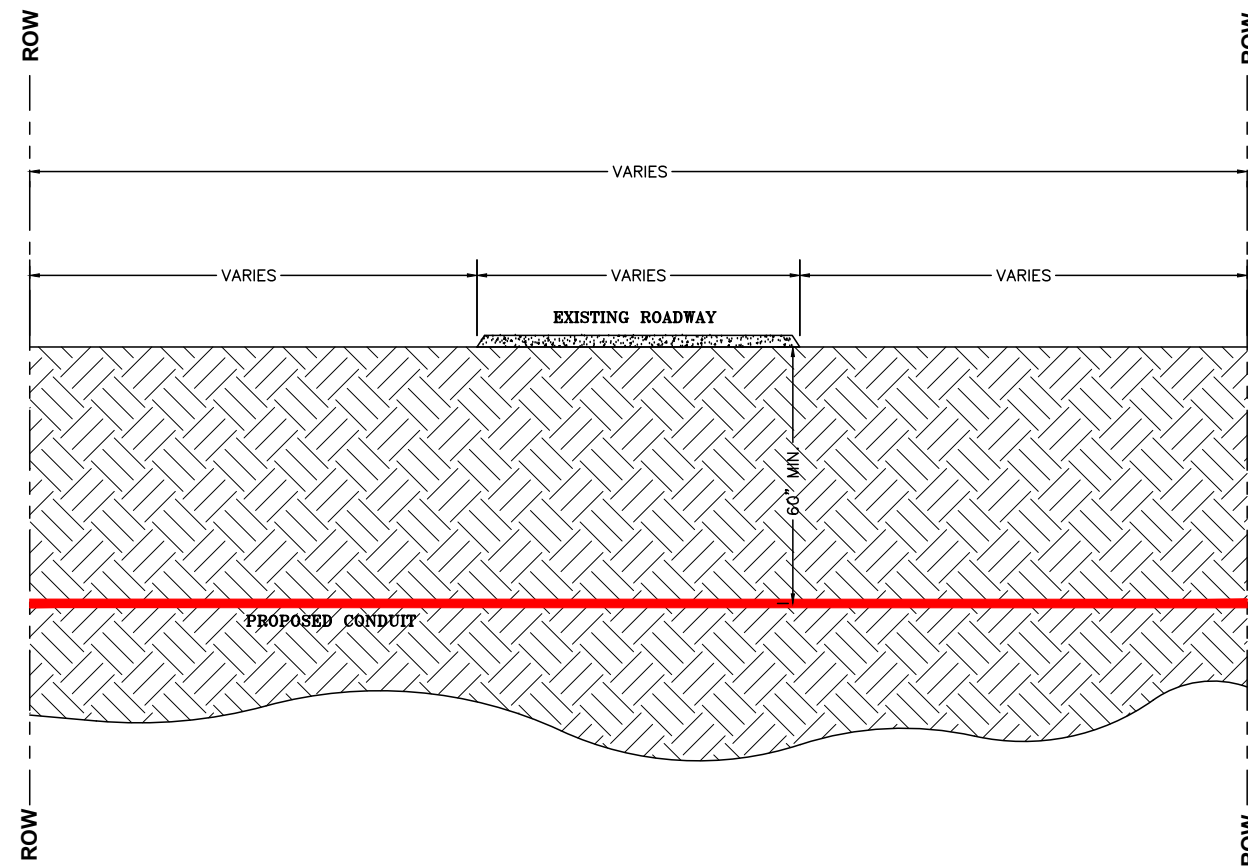
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HILLSBOROUGH CO. LINE TO PALMETTO DB4.6
S Tamiami Trail (US-41)
Palmetto, FL

DATE:	REVISIONS	SCALE: AS NOTED	PROJ. NO.: CPE-416029	DATE: 08.21.2020
		INDEX REF.: G100	ENG: A.C.J.	DRAWN BY: S.S.C
		VERSION: N/A	SPLICE DWG.: N/A	DWG. NO: G102

TYPICAL ROADWAY UNDERGROUND CROSSING DETAIL



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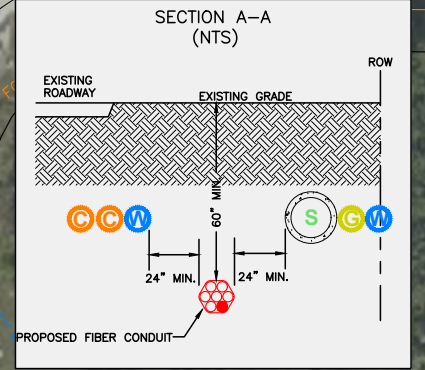
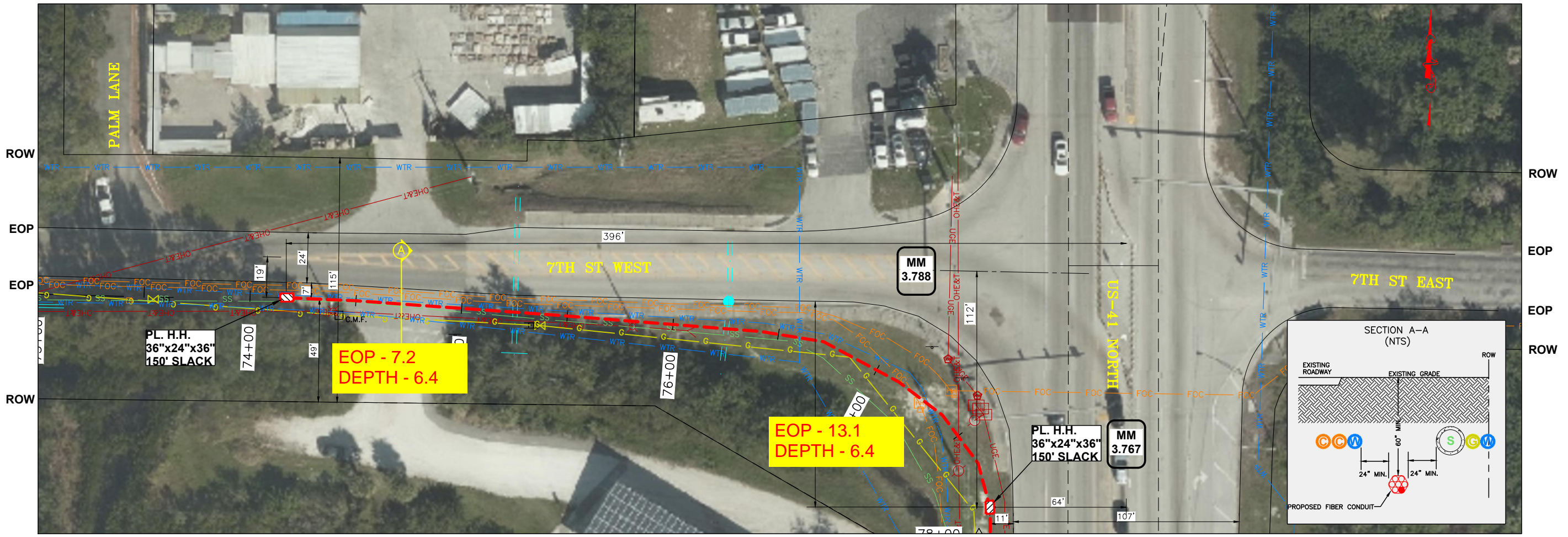
HILLSBOROUGH CO. LINE TO PALMETTO RBL6
S Tamiami Trail (US-41)
Palmetto, FL

DATE:	REVISIONS

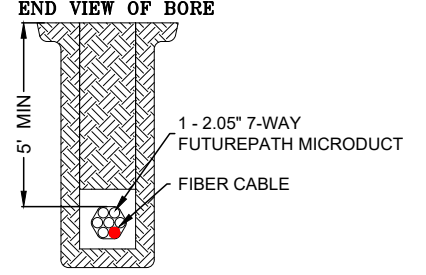
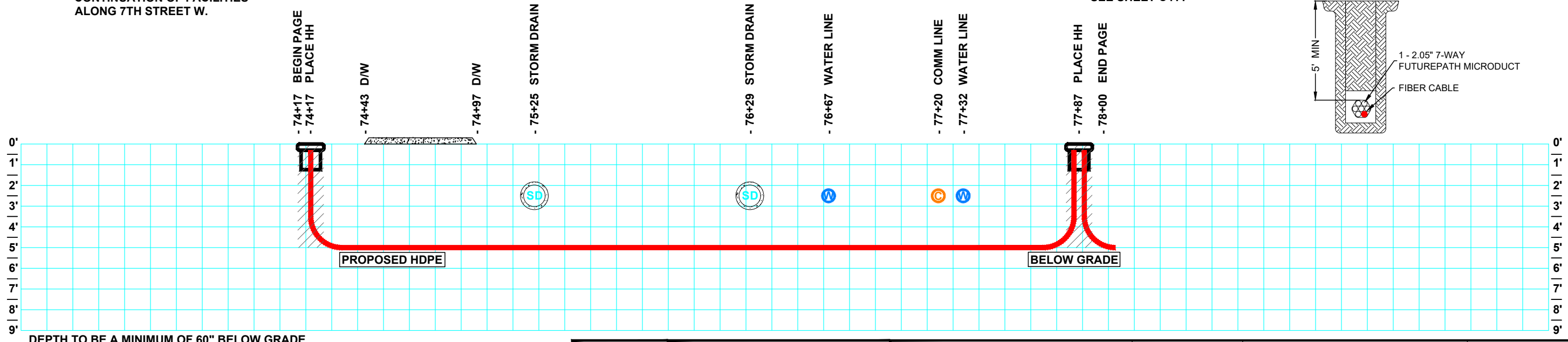
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INDEX REF.: G100	ENG: A.C.J.	DRAWN BY: S.S.C
VERSION: N/A	SPLICE DWG.: N/A	DWG. NO: G103

**SPEED
LIMIT
35**

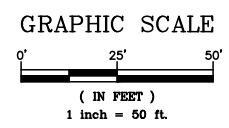
**PULL FIBER
EST = 683'
DIR. BORE 1-2"
EST = 383'**



NOTE: SEE CPE-416029 (4.5) FOR CONTINUATION OF FACILITIES ALONG 7TH STREET W.



UNDERGROUND
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SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
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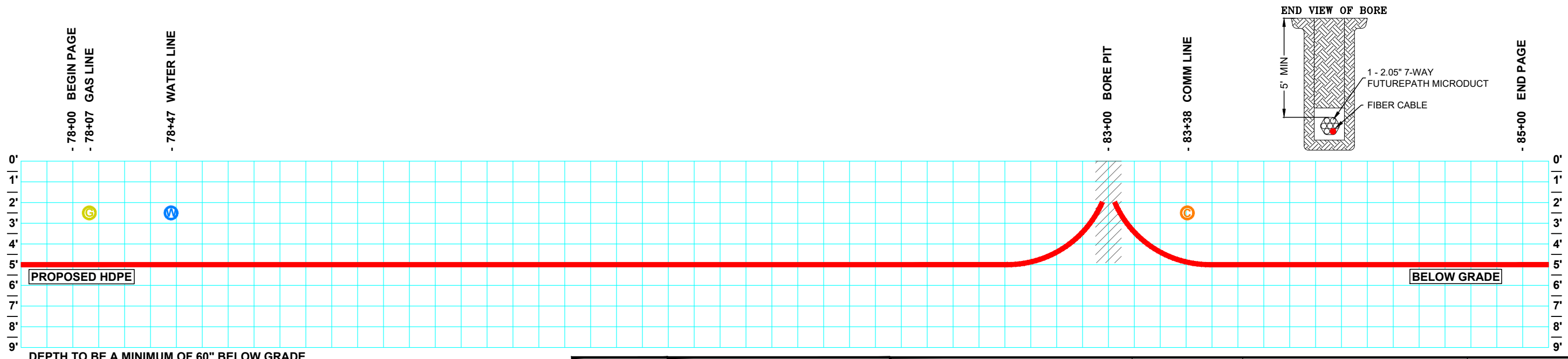
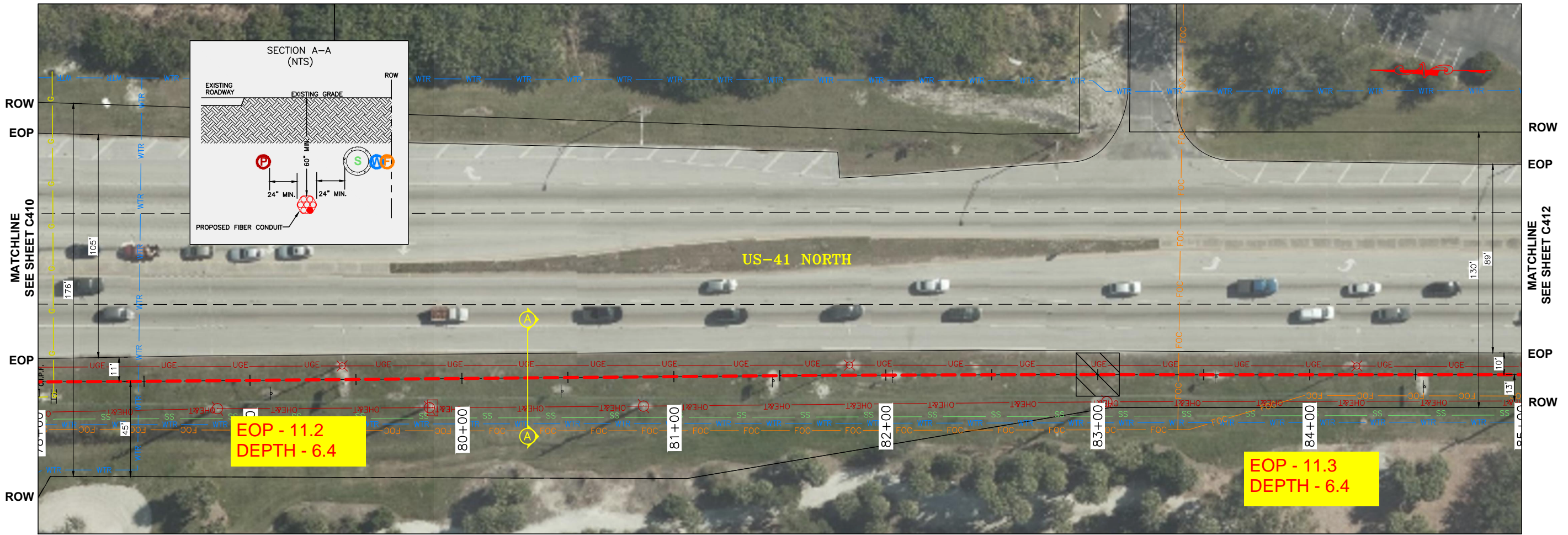
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HILLSBOROUGH CO. LINE TO PALMETTO RBL&S
S Tamiami Trail (US-41)
Palmetto, FL

DATE:	REVISIONS	SCALE:	AS NOTED	PROJ. NO.:	CPE-416029	DATE:	08.21.2020
		INDEX REF.:	G100	ENG.:	A.C.J.	DRAWN BY:	S.S.C
		VERSION:	N/A	SPLICE DWG.:	N/A	DWG. NO.:	C410

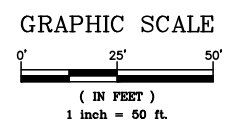
SPEED LIMIT 50

**PULL FIBER
EST = 700'
DIR. BORE 1-2"
EST = 700'**



DEPTH TO BE A MINIMUM OF 60" BELOW GRADE

**UNDERGROUND
ALL CONSTRUCTION IS PROPOSED**
SOUTHERN LIGHT WILL MAINTAIN 24" FROM EXISTING UTILITIES.
SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
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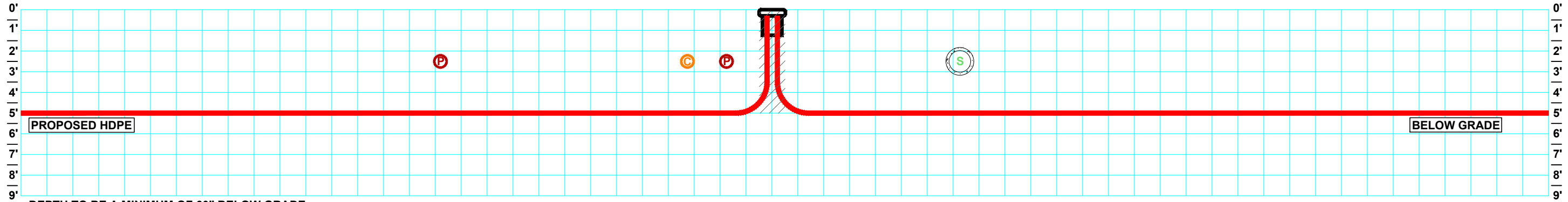
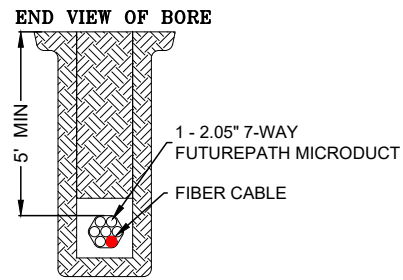
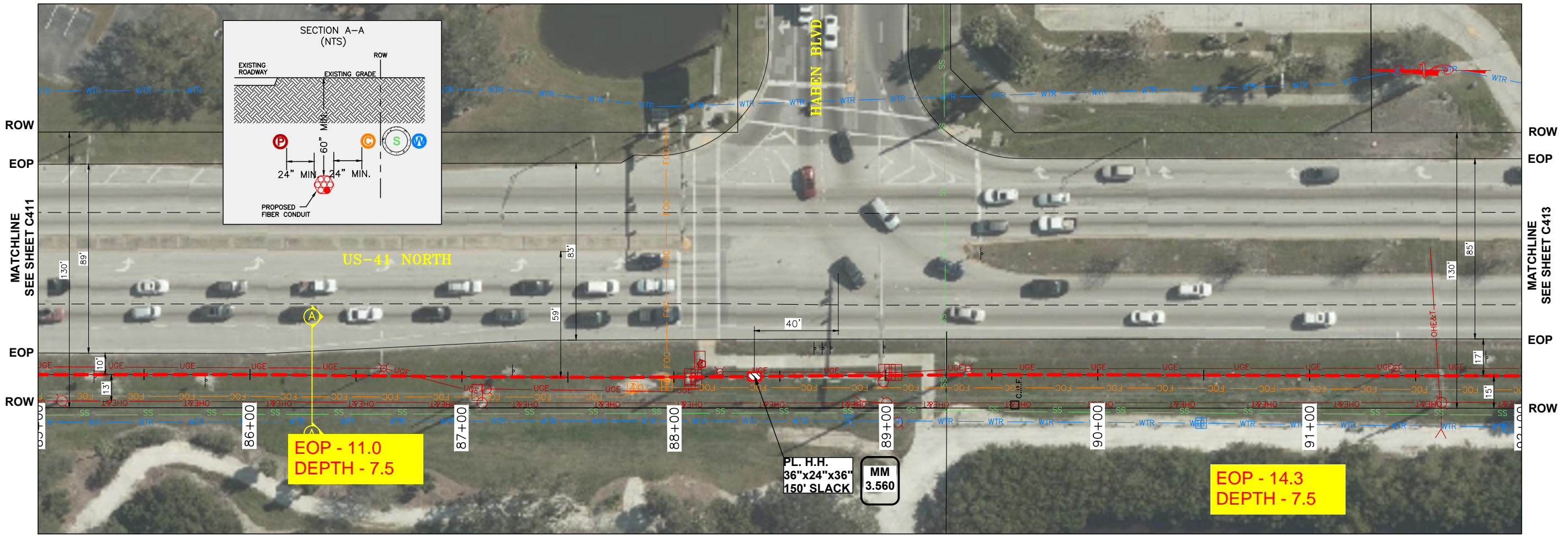
HILLSBOROUGH CO. LINE TO PALMETTO RBL&S
S Tamiami Trail (US-41)
Palmetto, FL

DATE:	REVISIONS	SCALE:	AS NOTED	PROJ. NO.:	CPE-416029	DATE:	08.21.2020
		INDEX REF.:	G100	ENG.:	A.C.J.	DRAWN BY:	S.S.C
		VERSION:	N/A	SPLICE DWG.:	N/A	DWG. NO.:	C411

SPEED LIMIT 50

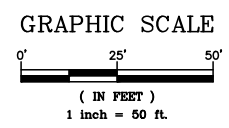
**PULL FIBER EST = 850'
DIR. BORE 1-2"
EST = 700'**

MM 3.552



DEPTH TO BE A MINIMUM OF 60" BELOW GRADE

UNDERGROUND ALL CONSTRUCTION IS PROPOSED
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SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
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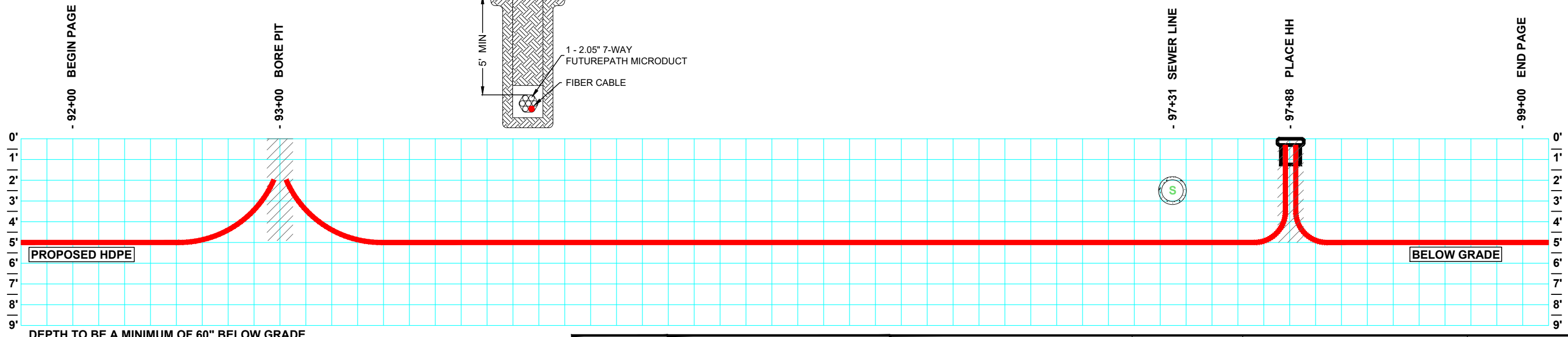
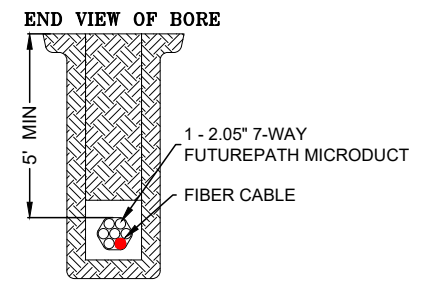
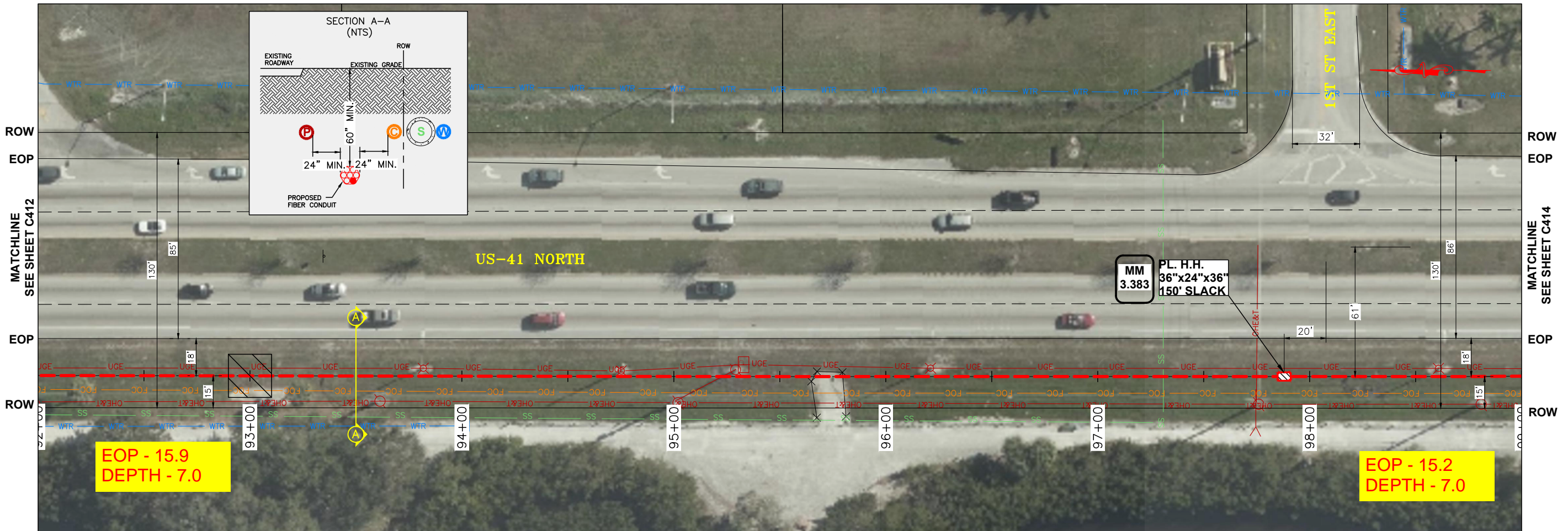
HILLSBOROUGH CO. LINE TO PALMETTO RBL&S
S Tamiami Trail (US-41)
Palmetto, FL

DATE:	REVISIONS	SCALE:	AS NOTED	PROJ. NO.:	CPE-416029	DATE:	08.21.2020
		INDEX REF.:	G100	ENG:	A.C.J.	DRAWN BY:	S.S.C
		VERSION:	N/A	SPLICE DWG.:	N/A	DWG. NO.:	C412

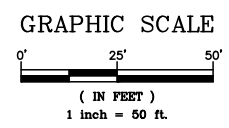
SPEED LIMIT 50

PULL FIBER
EST = 850'
DIR. BORE 1-2"
EST = 700'

MM 3.379



UNDERGROUND
ALL CONSTRUCTION IS PROPOSED
SOUTHERN LIGHT WILL MAINTAIN 24" FROM EXISTING UTILITIES.
SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
AN EXTENSIVE LOCATE WILL BE PERFORMED PRIOR TO CONSTRUCTION.



thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ALL LOCATING PRIOR TO ANY WORK PERFORMED.
CONTACT Southern Light: 877-652-2321

INFORMATION IN THIS DOCUMENT IS PROPRIETARY AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF Southern Light

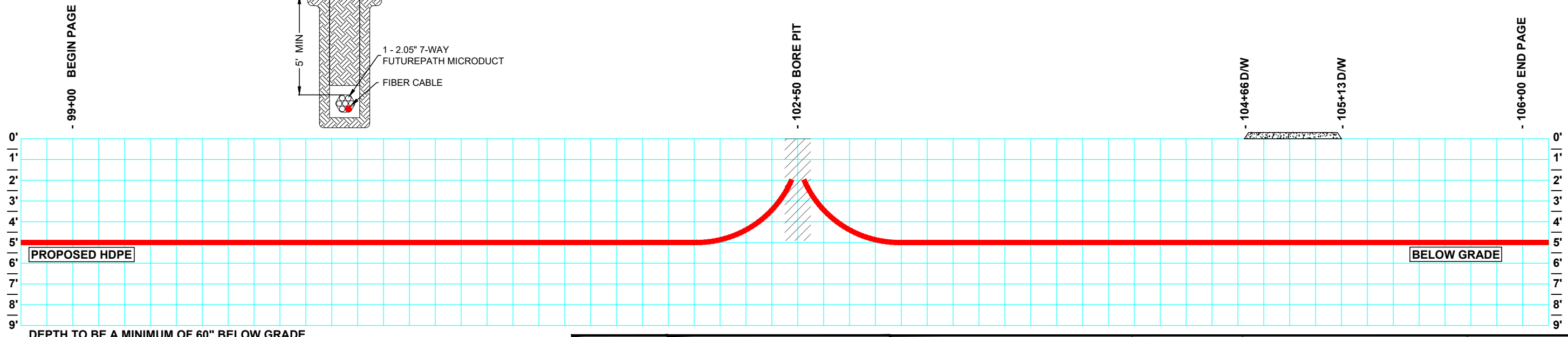
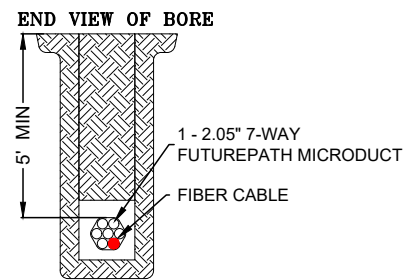
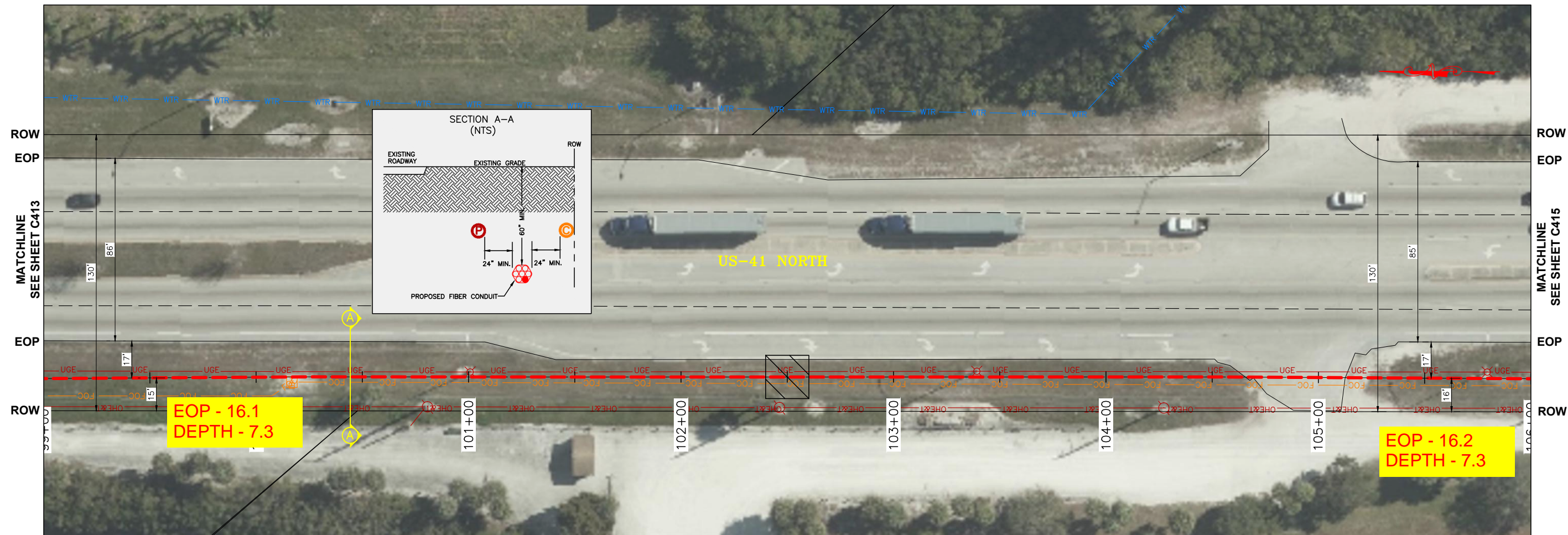
southern light
office: 251.662.1170 • fax: 251.662.1297
107 St. Francis St. • Suite 1800 • Mobile, AL 36603 • www.slfiber.com

HILLSBOROUGH CO. LINE TO PALMETTO RBL&S
S Tamiari Trail (US-41)
Palmetto, FL

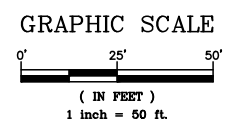
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		INDEX REF.:	G100	ENG.:	A.C.J.	DRAWN BY:	S.S.C
		VERSION:	N/A	SPLICE DWG.:	N/A	DWG. NO.:	C413

SPEED LIMIT 50

PULL FIBER EST = 700'
DIR. BORE 1-2" EST = 700'



UNDERGROUND
ALL CONSTRUCTION IS PROPOSED
 SOUTHERN LIGHT WILL MAINTAIN 24" FROM EXISTING UTILITIES.
 SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
 AN EXTENSIVE LOCATE WILL BE PERFORMED PRIOR TO CONSTRUCTION.



thompson ENGINEERING
 2970 COTTAGE HILL RD.
 MOBILE, AL 36606

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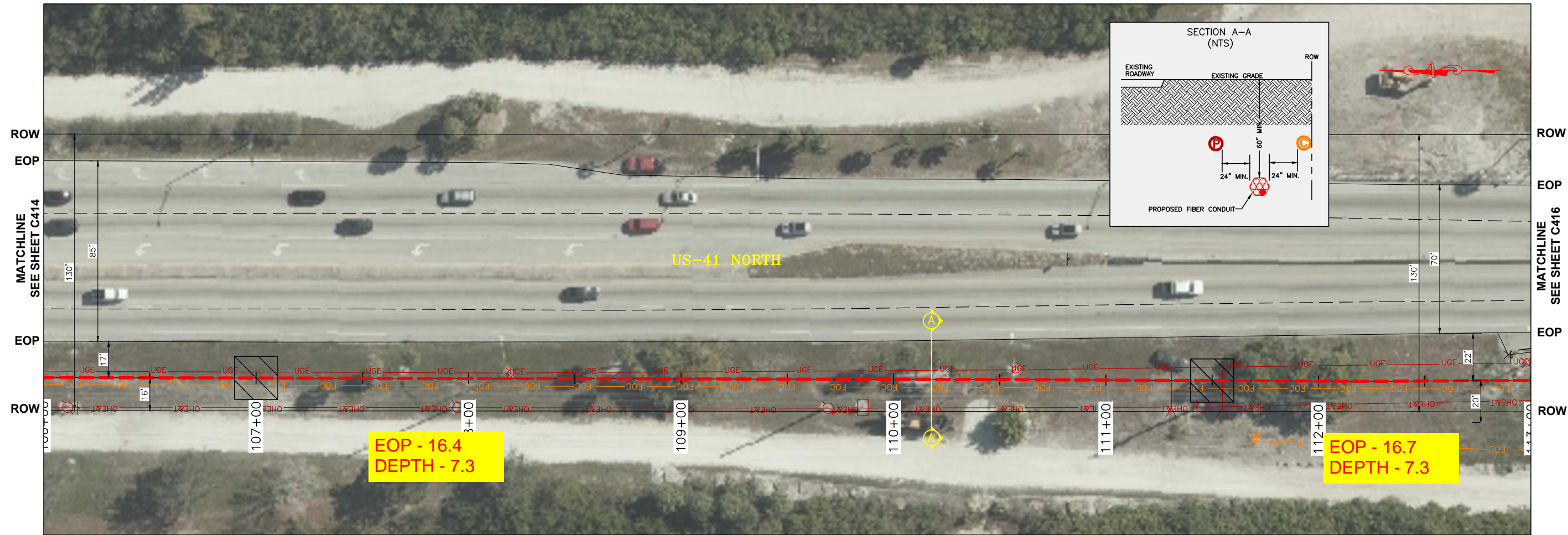
southern light
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 107 St. Francis St. • Suite 1800 • Mobile, AL 36603 • www.slfiber.com

HILLSBOROUGH CO. LINE TO PALMETTO RBL&S
 S Tamiami Trail (US-41)
 Palmetto, FL

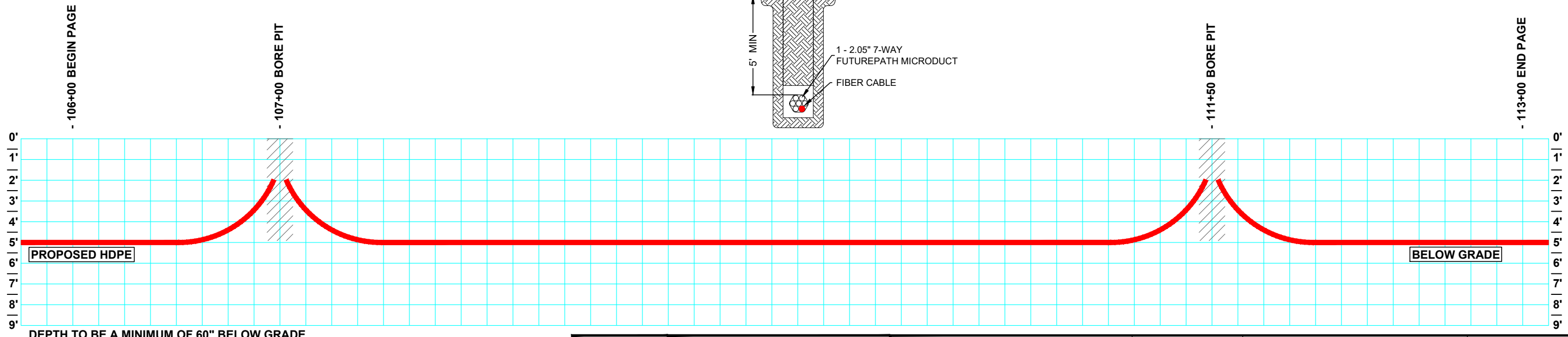
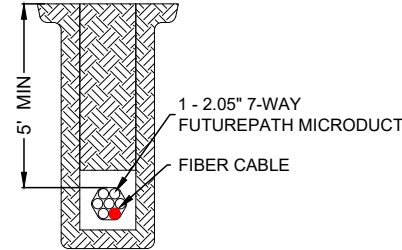
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		INDEX REF.:	G100	ENG.:	A.C.J.	DRAWN BY:	S.S.C
		VERSION:	N/A	SPLICE DWG.:	N/A	DWG. NO.:	C414

SPEED LIMIT 50

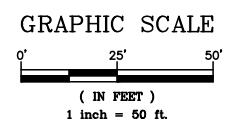
**PULL FIBER
EST = 700'
DIR. BORE 1-2"
EST = 700'**



END VIEW OF BORE



**UNDERGROUND
ALL CONSTRUCTION IS PROPOSED**
SOUTHERN LIGHT WILL MAINTAIN 24" FROM EXISTING UTILITIES.
SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
AN EXTENSIVE LOCATE WILL BE PERFORMED PRIOR TO CONSTRUCTION.



thompson ENGINEERING
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MOBILE, AL 36606

ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE.
CONTRACTOR IS RESPONSIBLE FOR ALL LOCATING
PRIOR TO ANY WORK PERFORMED.
CONTACT Southern Light: 877-652-2321

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OF Southern Light

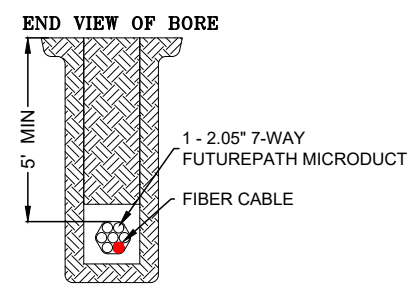
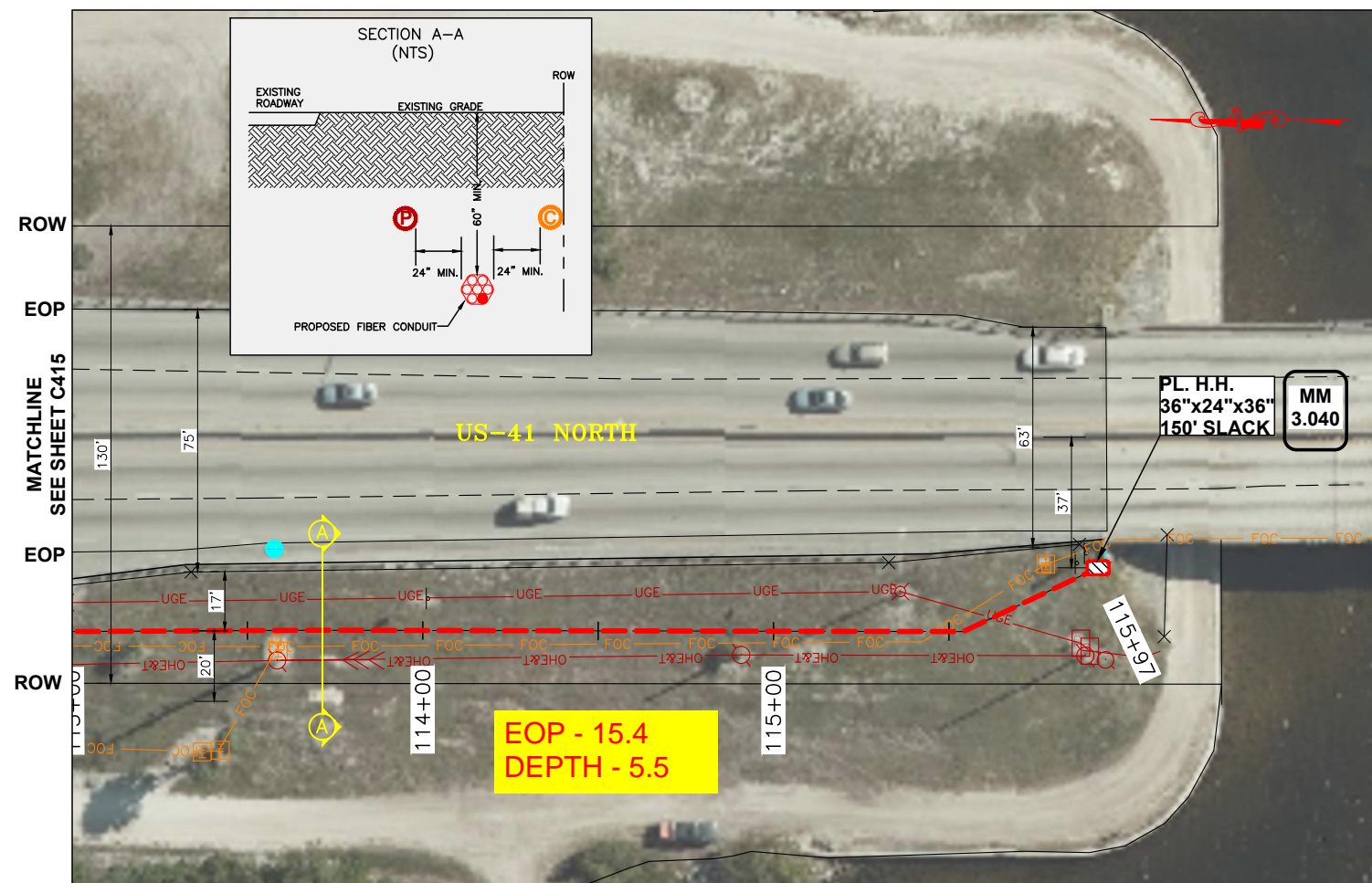
southern light
office: 251.662.1170 • fax: 251.662.1297
107 St. Francis St. • Suite 1800 • Mobile, AL 36603 • www.slfiber.com

HILLSBOROUGH CO. LINE TO PALMETTO RBL&S
S Tamiami Trail (US-41)
Palmetto, FL

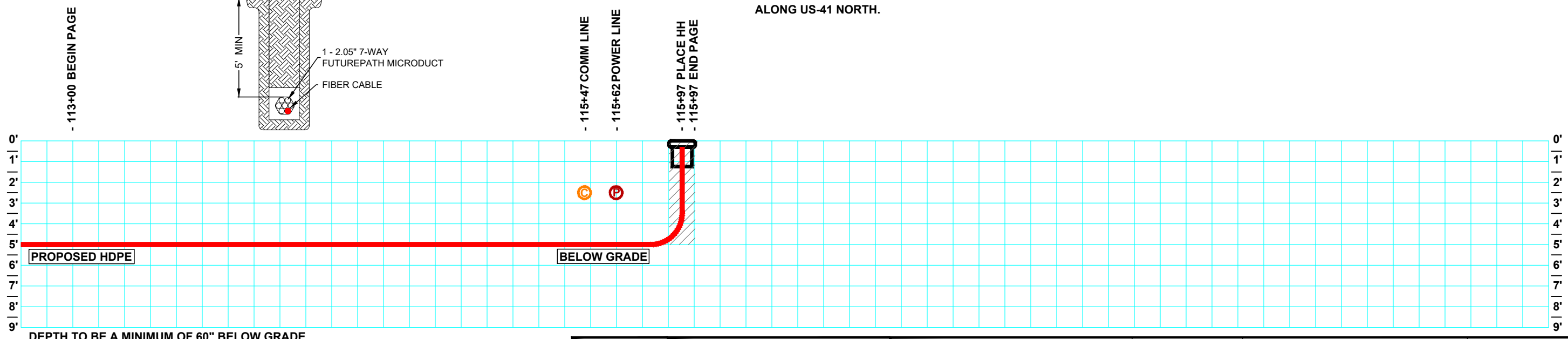
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		INDEX REF.: G100	ENG: A.C.J.	DRAWN BY: S.S.C
		VERSION: N/A	SPLICE DWG.: N/A	DWG. NO.: C415

SPEED LIMIT 50

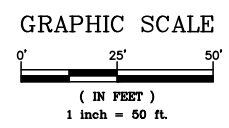
PULL FIBER EST = 447'
DIR. BORE 1-2" EST = 297'



NOTE: SEE CPE-415912 (BB1) FOR CONTINUATION OF FACILITIES ALONG US-41 NORTH.



UNDERGROUND ALL CONSTRUCTION IS PROPOSED
 SOUTHERN LIGHT WILL MAINTAIN 24" FROM EXISTING UTILITIES.
 SOUTHERN LIGHT HAS LOCATED ALL EXISTING UTILITIES.
 AN EXTENSIVE LOCATE WILL BE PERFORMED PRIOR TO CONSTRUCTION.



thompson ENGINEERING
 2970 COTTAGE HILL RD.
 MOBILE, AL 36606

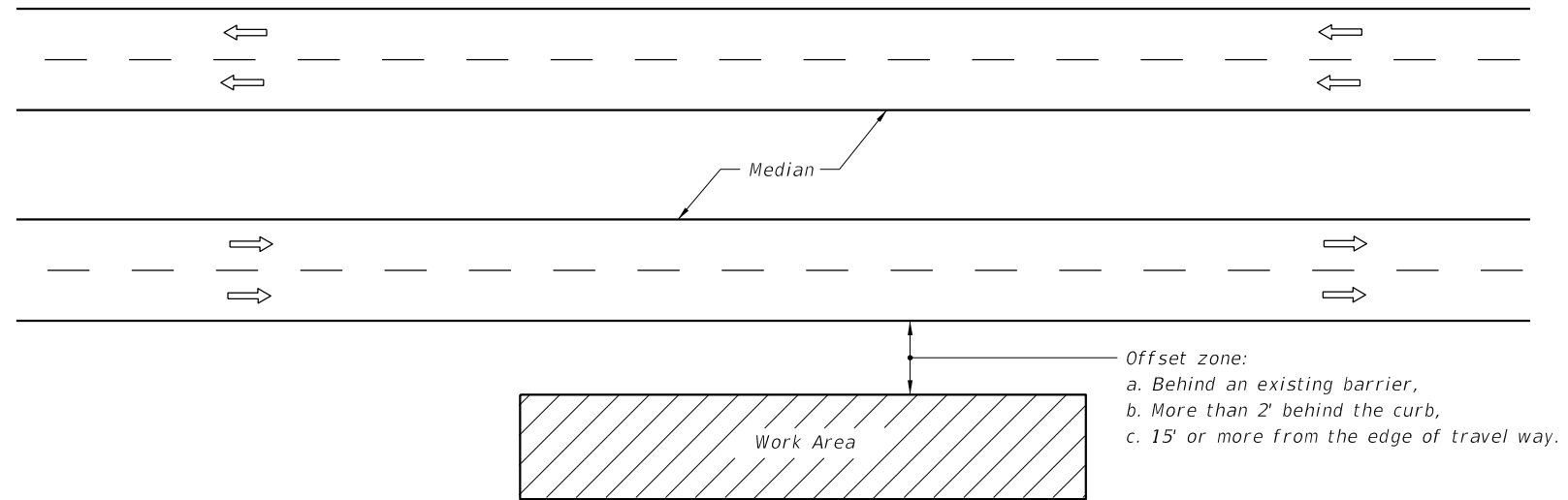
ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ALL LOCATING PRIOR TO ANY WORK PERFORMED.
 CONTACT Southern Light: 877-652-2321

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southern light
 office: 251.662.1170 fax: 251.662.1297
 107 St. Francis St. - Suite 1800 Mobile, AL 36603 www.slfiber.com

HILLSBOROUGH CO. LINE TO PALMETTO RR#6
 S Tamiami Trail (US-41)
 Palmetto, FL



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		INDEX REF.: G100	ENG: A.C.J.	DRAWN BY: S.S.C
		VERSION: N/A	SPLICE DWG.: N/A	DWG. NO: C416



GENERAL NOTES

1. If the work operation (excluding establishing and terminating the work area), requires that two or more work vehicles cross the offset zone in any one hour, traffic control will be in accordance with Index 102-612.
2. No special signing is required.
3. This index also applies when work is being performed on a multilane undivided highway.
4. This index also applies to work performed in the median behind an existing barrier or more than 15' from the edge of travel way, both roadways. Work performed in the median behind curb and gutter shall be in accordance with Index 102-612.
5. When a side road intersects the highway within the work area, additional traffic control devices shall be placed in accordance with other applicable TCZ Indexes.
6. When construction activities encroach on a sidewalk, refer to Index 102-660.
7. For general TCZ requirements and additional information, refer to Index 102-600.


SYMBOLS

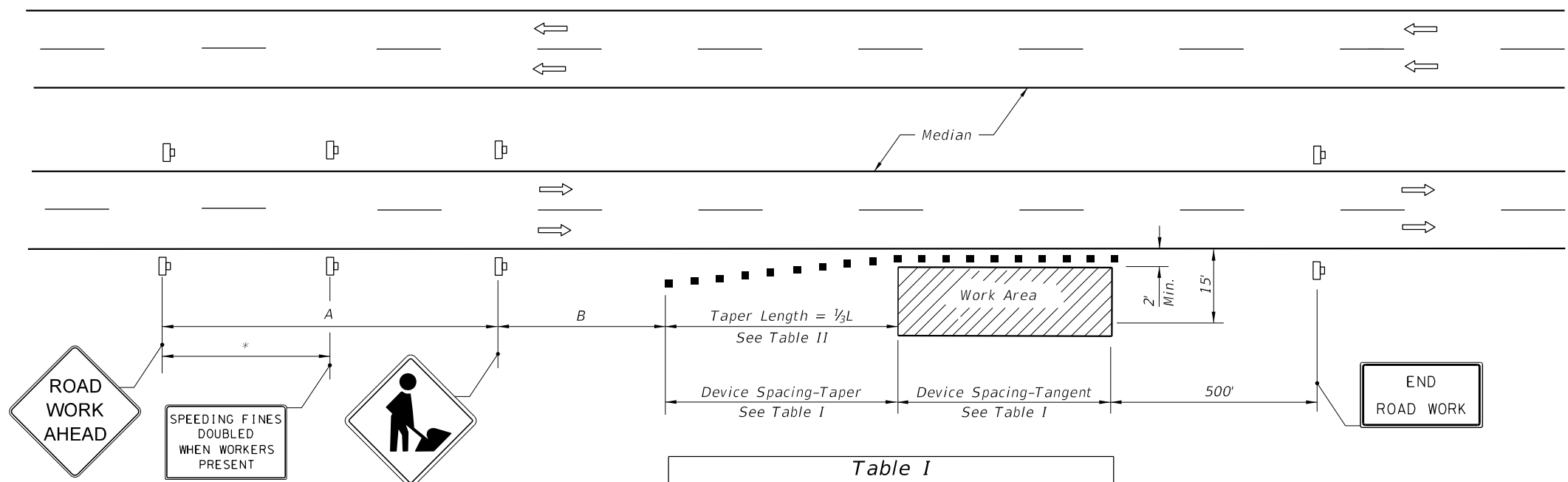
-  Work Area
-  Lane Identification + Direction of Traffic

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE BEHIND AN EXISTING BARRIER, MORE THAN 2' BEHIND THE CURB, OR 15' OR MORE FROM THE EDGE OF TRAVEL WAY.

2/26/2020 12:33:15 PM

LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	MULTILANE, WORK OUTSIDE SHOULDER	INDEX 102-611	SHEET 1 of 1
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DISTANCE BETWEEN SIGNS		
Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

* 250' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Table I Device Spacing				
Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Table II Taper Length - Shoulder				
Speed (mph)	1/3 L (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS ² / 60
30	40	50	60	
35	55	68	82	
40	72	90	107	L=WS
45	120	150	180	
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width.
 1/3 L = Length of shoulder taper in feet
 W = Width of total shoulder in feet (combined paved and unpaved width)
 S = Posted speed limit (mph)

GENERAL NOTES

- When a high volume of work vehicles are entering and leaving the Work Area at speeds slower than 10 MPH below the posted speed, place an M0T-5-06 sign in the ROAD WORK AHEAD sign location and shift the ROAD WORK AHEAD sign upstream 500 ft.
- This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index 102-600.

DURATION NOTES

- Signs and channelizing devices may be omitted if all of the following conditions are met:
 - Work operations are 60 minutes or less.
 - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

CONDITIONS




WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

SYMBOLS

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

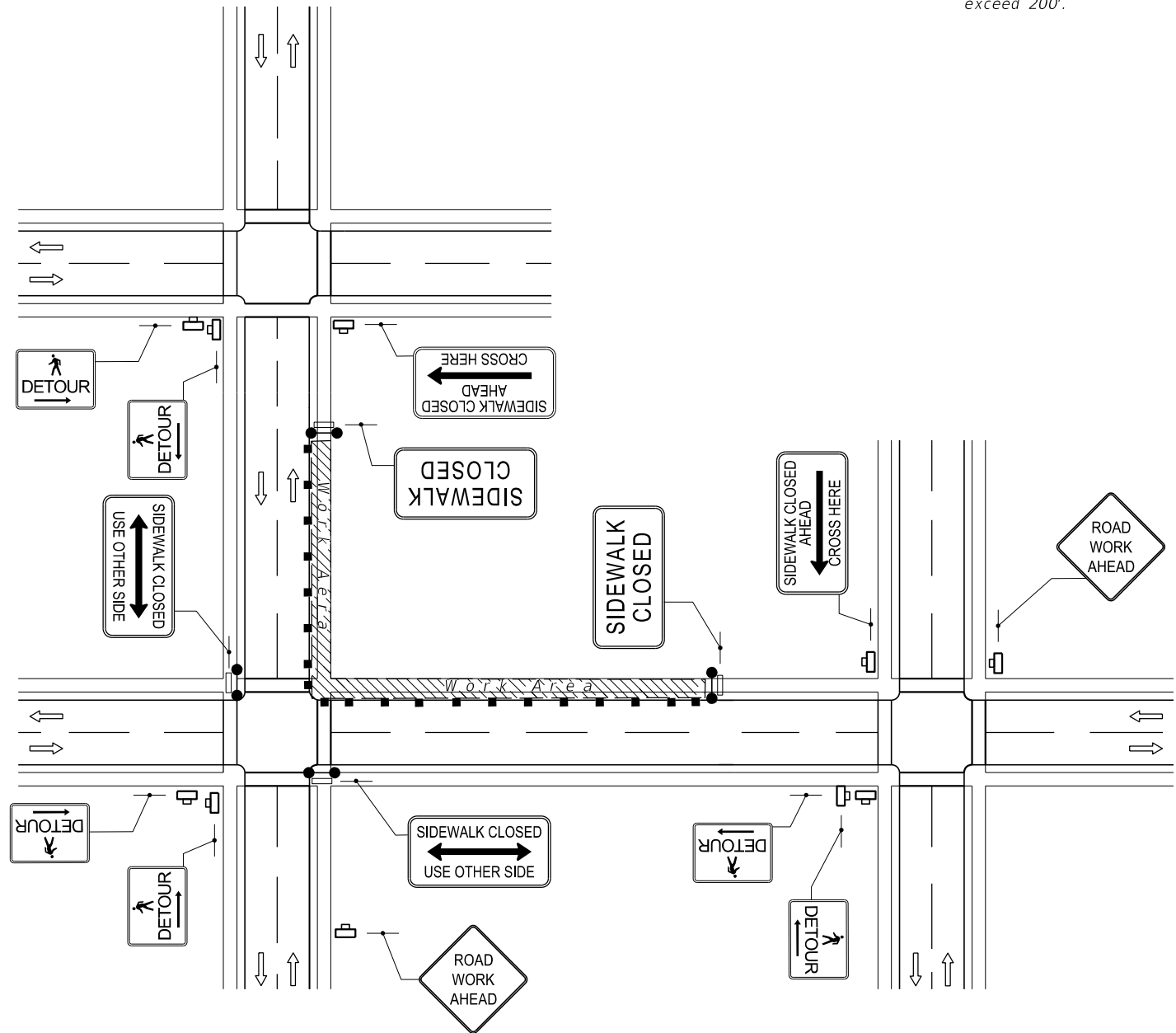
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SYMBOLS

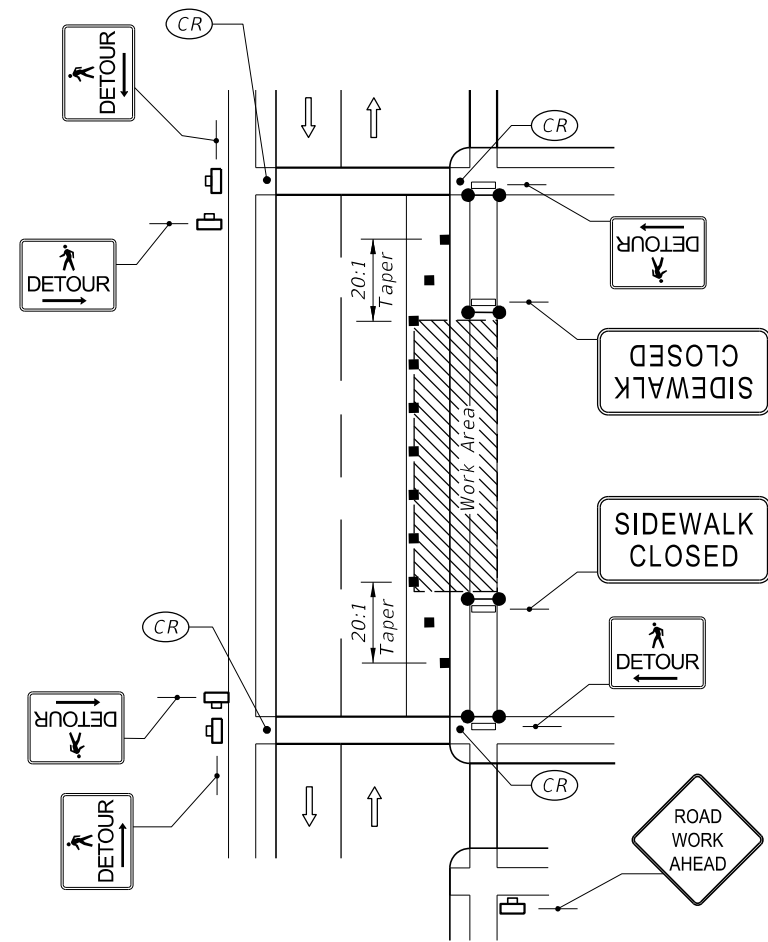
-  Work Area
-  Channelizing Device
-  Work Zone Sign
-  Required Locations For Either Temporary Or Permanent Curb Ramps.
-  Lane Identification + Direction of Traffic
-  Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign or separate Work Zone Sign
-  Pedestrian Longitudinal Channelizing Device (LCD)
-  Temporary Sidewalk

GENERAL NOTES:

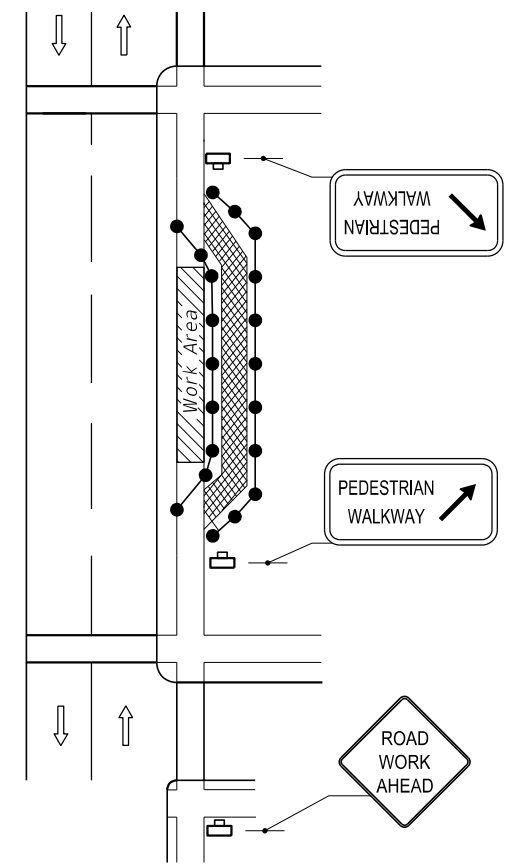
1. When encroaching work requires a sidewalk closure for 60 minutes or greater, provide an alternate pedestrian route.
2. For spacing of vehicular Channelizing Devices, see applicable vehicular temporary traffic control Indexes.
3. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
4. 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.
5. Provide a 5' wide temporary walkway, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary walkways less than 5' in width at intervals not to exceed 200'.
6. Provide a cross-slope with a maximum value of 0.02 for all temporary walkways.
7. Maintain temporary walkway surfaces and ramps that are stable, firm, slip-resistant, and free of any obstructions or hazards such as holes, debris, mud, construction equipment, and stored material.
8. Remove temporary walkways immediately after reopening of the sidewalk, unless otherwise noted in the plans.
9. Meet the requirements of Index 522-002 for temporary curb ramps.
10. Place pedestrian longitudinal channelizing device(s) across the full width of the closed sidewalk. For temporary walkways, similar to the Sidewalk Diversion, place LCDs to delineate both sides of the temporary walkway.
11. For sidewalk diversions, ensure that there is sufficient R/W for placement of temporary sidewalk and pedestrian longitudinal channelizing devices.



CROSSWALK CLOSURE AND PEDESTRIAN DETOUR




SIDEWALK DETOUR



SIDEWALK DIVERSION

12:43:24 PM
2/26/2020

LAST REVISION 11/01/17	REVISION	DESCRIPTION:		FY 2020-21 STANDARD PLANS	PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS	INDEX 102-660	SHEET 1 of 1
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Zayo Group, LLC



AS BUILT

OUR FIBER FUELS GLOBAL INNOVATION

PROPOSED FIBER OPTIC NETWORK INSTALLATION JL_SARASOTA_BB_023_FDOT_3

BRADENTON, FL 34208



PROPOSED DIRECTIONAL BORE PARALLEL TO
SR-55 / S TAMiami TRL (SECTION 13130000)
BEGIN/END MP # (2.250/2.589)
FDOT PERMIT # 2021-H-194-00397



CONSULTANT
Alpine Communication Corp.
595 N. Nova Rd., Suite 208
Ormond Bch., FL 32174
(386) 615-3316



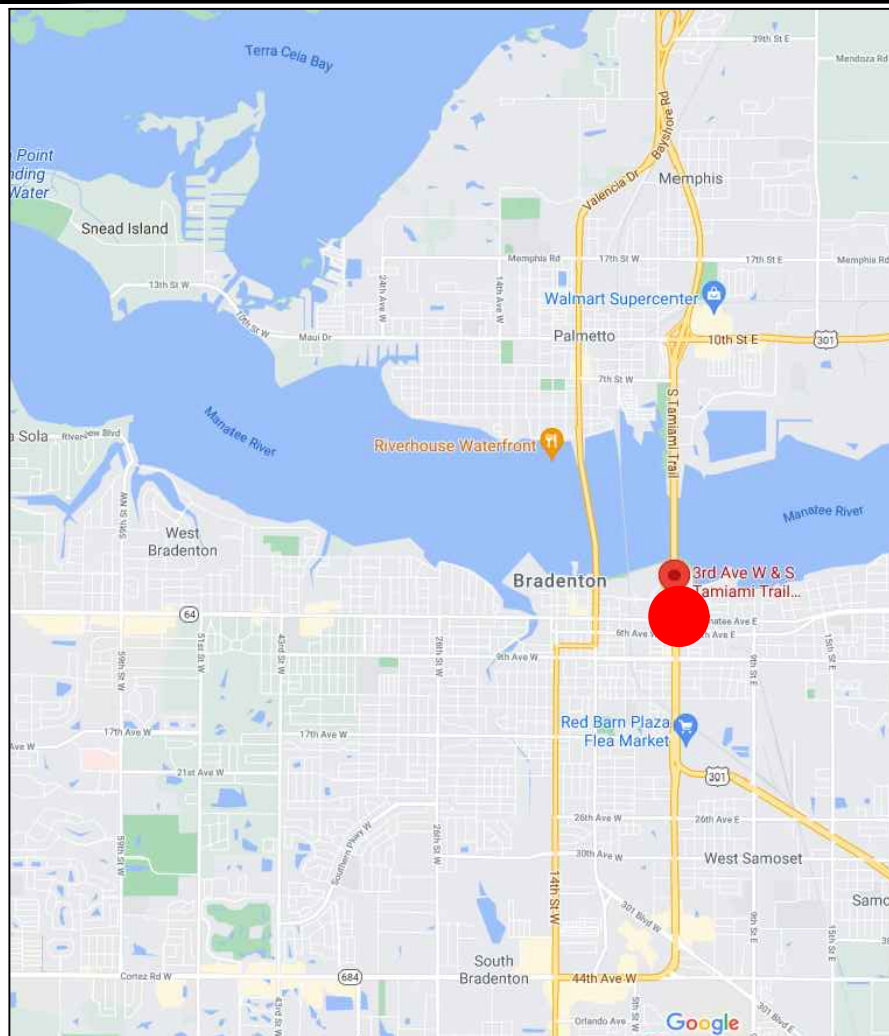
PERMITTEE
4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614

INFORMATION OBTAINED FROM THE FOLLOWING:

F.D.O.T. RW MAPS
1313-201-(275)
13050-2533
1313-102

FIELD WORK OBTAINED FROM THIS OFFICE.

LOCATION MAP



Know what's below.
Call before you dig.



PERMITTING

JURISDICTION:
• F.D.O.T.

PROJECT CONTACTS

ZAYO GROUP:
PROJECT MANAGER CONTACT:
TOM LANG
TOM LANG@ZAYO.COM
PHONE: (813) 838-1234

INDEX OF SHEETS

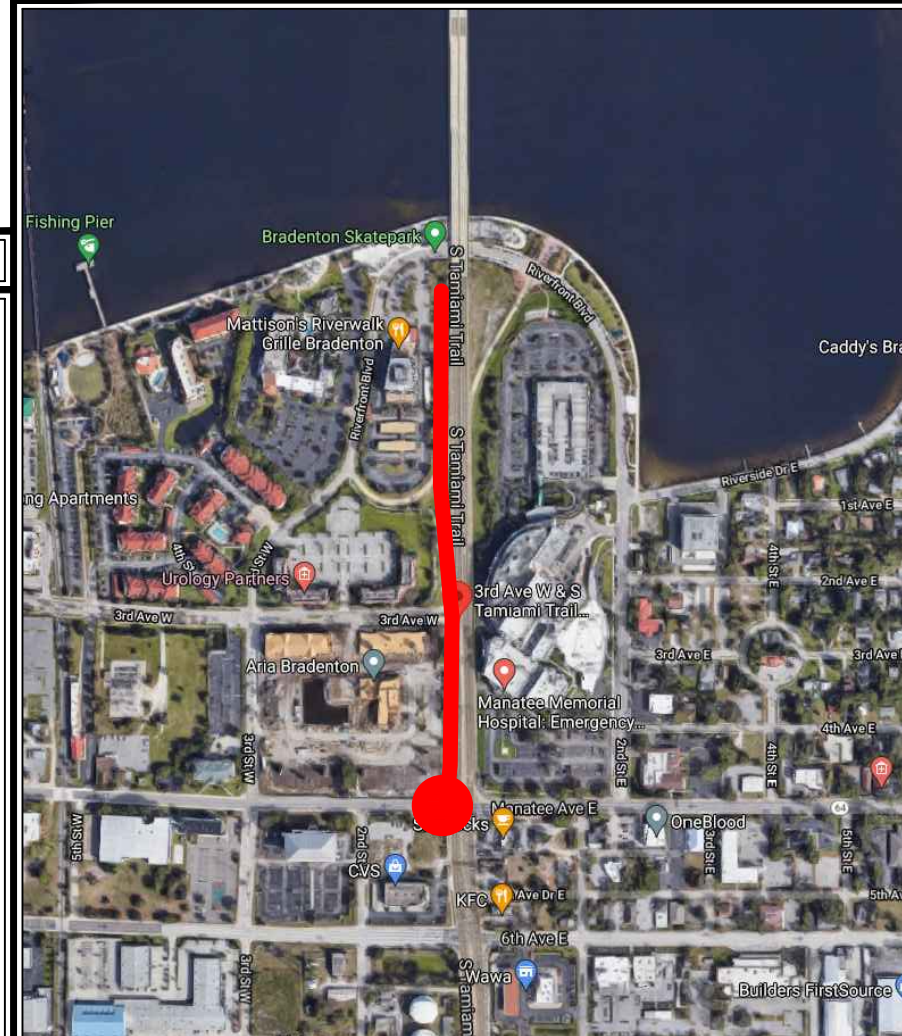
- 001 OF 005 - COVER
- 002 OF 005 - OVERALL MAP
- 003 OF 005 - PLAN

CONSTRUCTION MANAGER INFO:
TOM LANG
TOM LANG@ZAYO.COM
PHONE: (813) 838-1234

NAME VENDOR: ALPINE COMMUNICATION CORP.

ENGINEERING & SURVEYING CONTACT:
MARK MALLWITZ
PHONE: (772) 828-8945
EMAIL: MMALLWITZ@ALPINECC.US

VICINITY MAP



NO.	DATE	DESCRIPTION	BY	DG
1	9/9/2021	REV 01 - SUBMITTAL #1 COMMENTS		

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/29/21

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_3

BUSINESS UNIT NUMBER

SITE ADDRESS

S TAMiami TRAIL
BRADENTON
MANATEE
FL 34208 - USA

SHEET TITLE

COVER

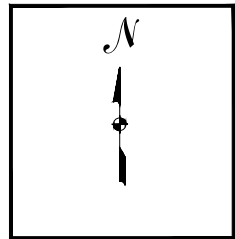
SHEET NUMBER

COVER, LOCATION MAP, VICINITY MAP, PERMITTING, INDEX OF SHEET, PROJECT CONTACT

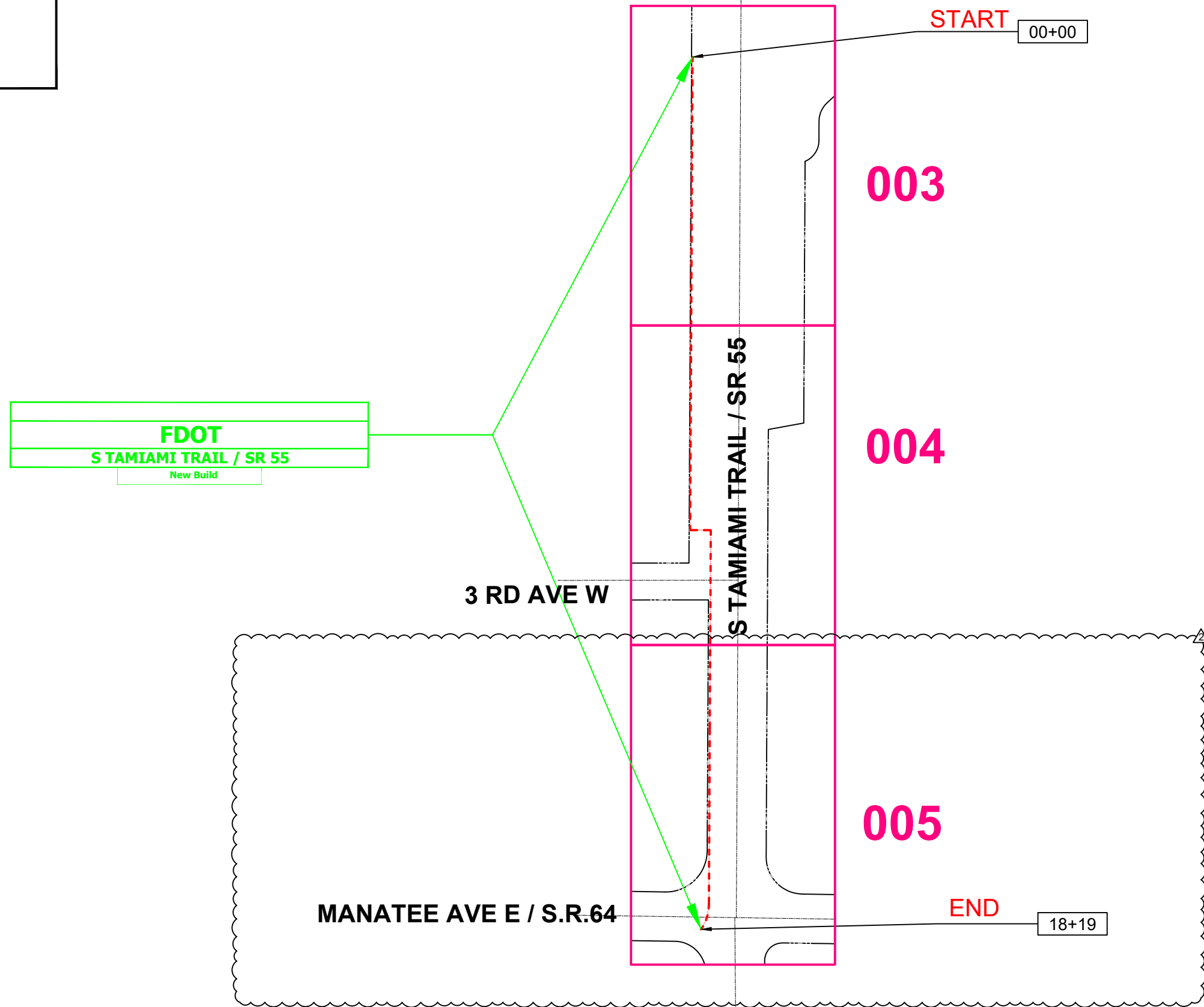
SCALE: NTS 001

001 OF 005

ENG-PLN-10050 REV(-) DATE:6/17/14



OVERALL MAP



CONSULTANT

Alpine Communication Corp.
595 N. Nova Rd., Suite 208
Ormond Bch., FL 32174
(386) 615-3316

PERMITTEE

**4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614**

SPACE RESERVED FOR PROFESSIONAL SEALS

REVISIONS	NO.	DATE	DESCRIPTION	BY	DG
	1	9/28/2021	REV 02 - RAI #2 COORDINATION		

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/29/21

SITE NUMBER: _____

SITE NAME: _____

JL_SARASOTA_BB_023_FDOT_3

BUSINESS UNIT NUMBER: _____

SITE ADDRESS: _____

S TAMIA MI TRAIL
BRADENTON
MANATEE
FL 34208 - USA

SHEET TITLE: _____

OVERALL MAP

SHEET NUMBER: _____

OVERALL MAP

SCALE: NTS 002

ENG-PLN-10050 REV(-) DATE:6/17/14

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4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEALS

NO.	DATE	DESCRIPTION	BY	DG
1	9/29/2021	REV 02 - RAI #2 COORDINATION		

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/29/21

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_3

BUSINESS UNIT NUMBER

SITE ADDRESS

S TAMIAMI TRAIL
BRADENTON
MANATEE
FL 34208 - USA

SHEET TITLE

PLAN

SHEET NUMBER

SCALE:
1" = 50'

004

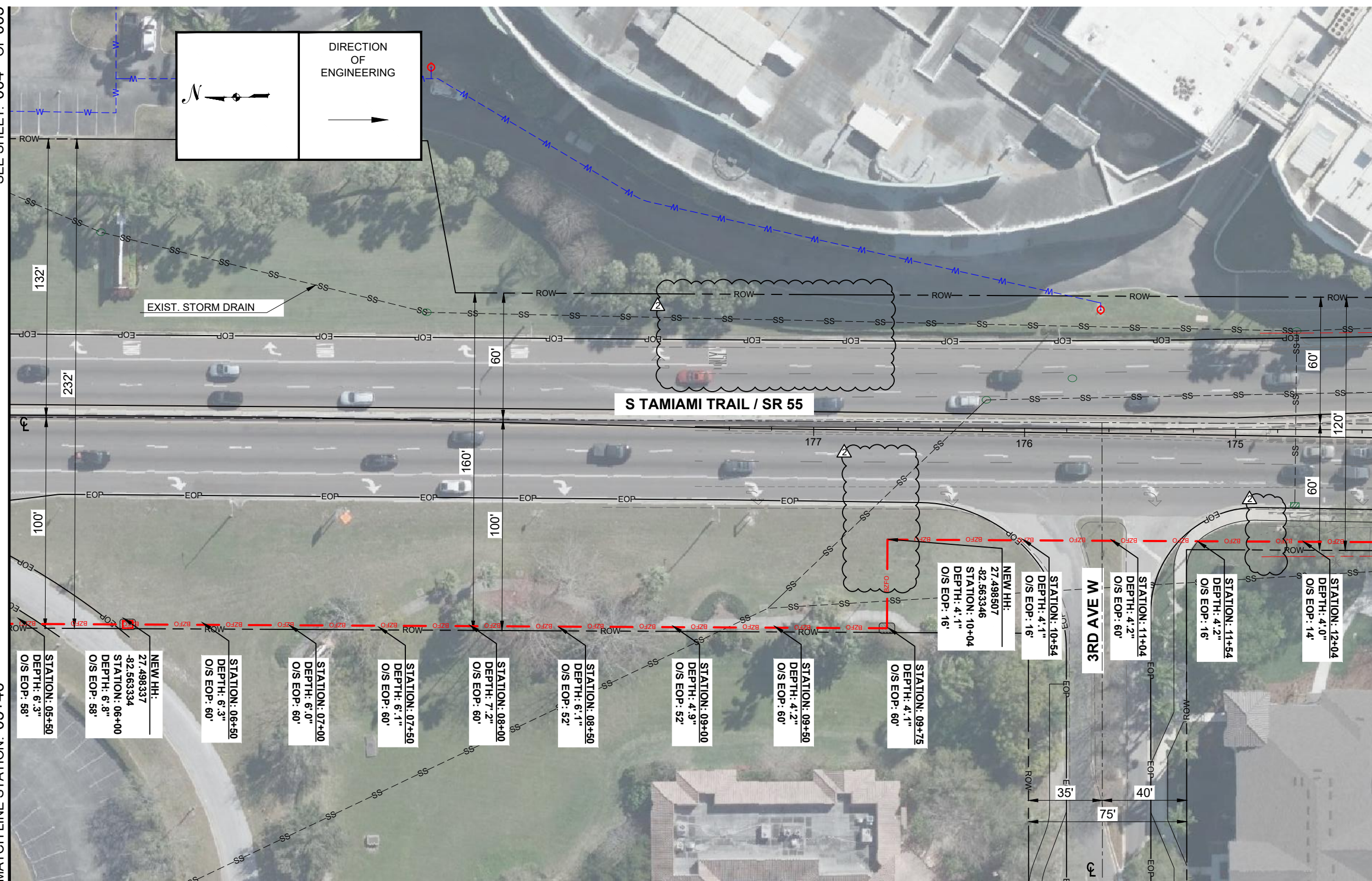
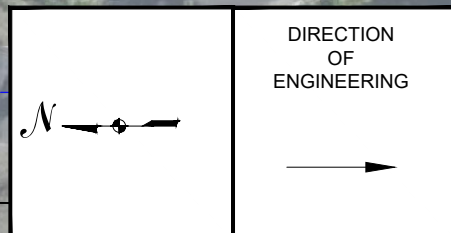
004 OF 005

SEE SHEET: 004 OF 005

SEE SHEET: 009 OF 005

MATCH LINE STATION: 05+46

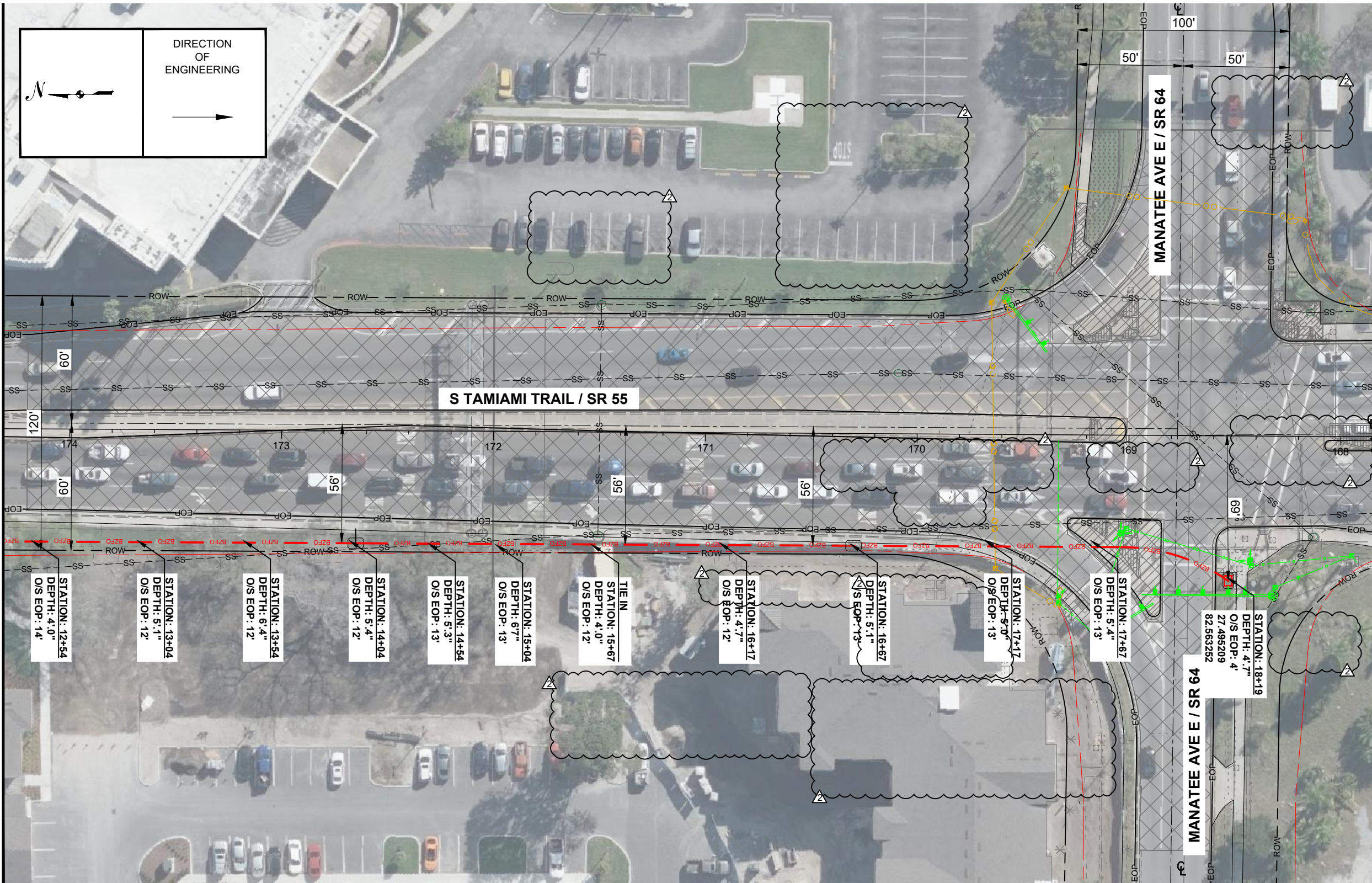
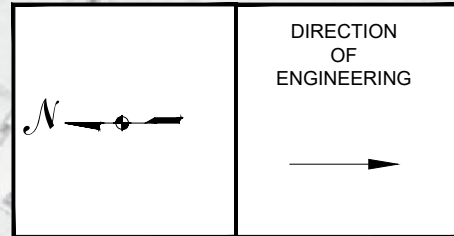
MATCH LINE STATION: 12+39



PLAN

SEE SHEET: 006 OF 005

MATCH LINE STATION: 12+39



CONSULTANT

Alpine Communication Corp.
595 N. Nova Rd., Suite 208
Ormond Bch., FL 32174
(386) 615-3316

PERMITTEE

4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEALS

REVISION	NO.	DATE	DESCRIPTION	BY	DG
	1	9/28/2021	REV 02 - RAI #2 COORDINATION		

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/29/21

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_3

BUSINESS UNIT NUMBER

SITE ADDRESS

S TAMIA MI TRAIL
BRADENTON
MANATEE
FL 34208 - USA

SHEET TITLE

PLAN

SHEET NUMBER

PLAN

SCALE: 1" = 50'
005

005 OF 005

ENG-PLN-10050 REV(-) DATE:6/17/14



OUR FIBER FUELS GLOBAL INNOVATION

PROPOSED FIBER OPTIC NETWORK INSTALLATION

JL_SARASOTA_BB_023_FDOT_2

PALMETTO, FL 34221

CONSULTANT

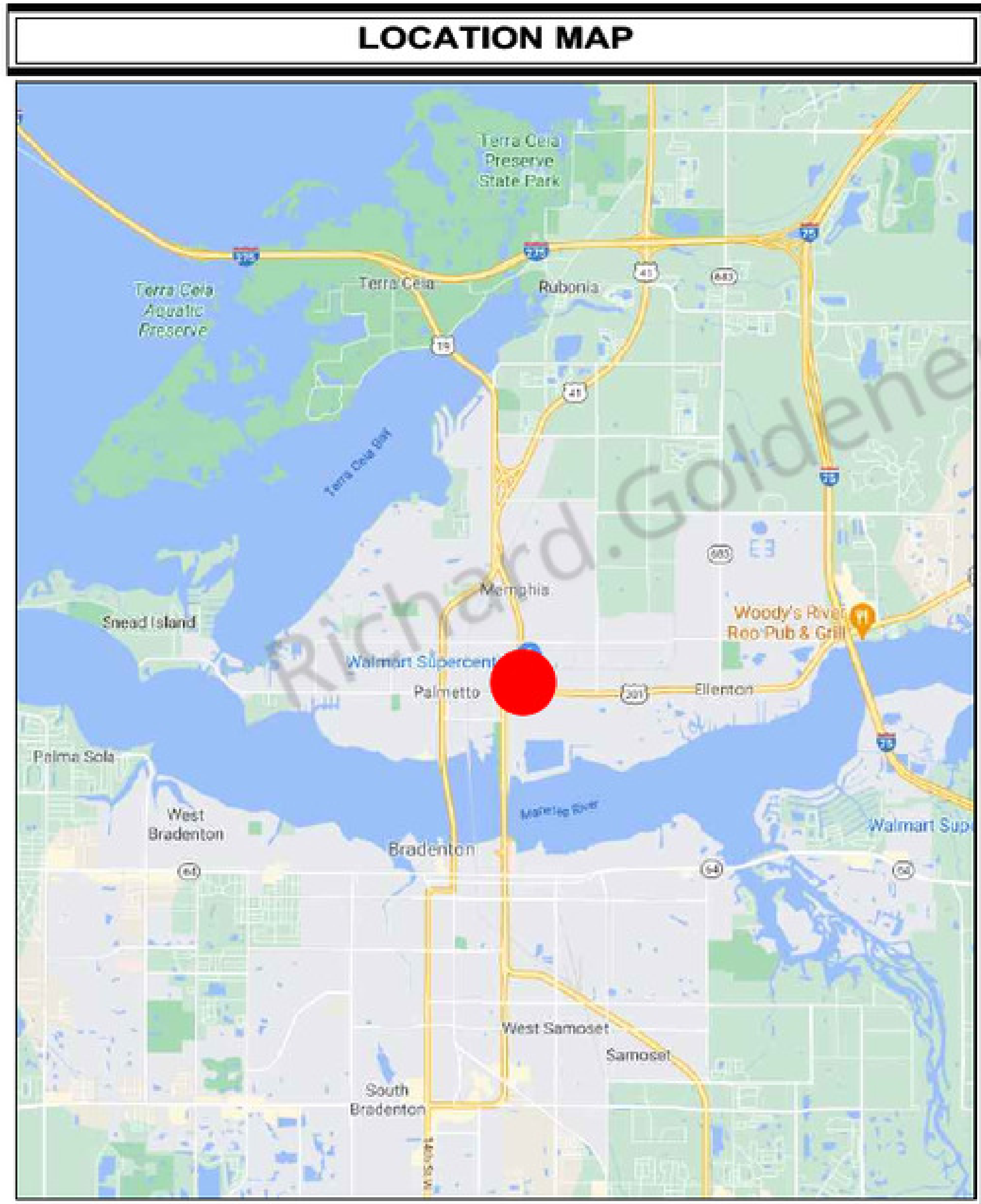
Alpine Communication Corp.
595 N. Nova Rd., Suite 208
Ormond Bch., FL 32174
(386) 615-3316

PERMITTEE

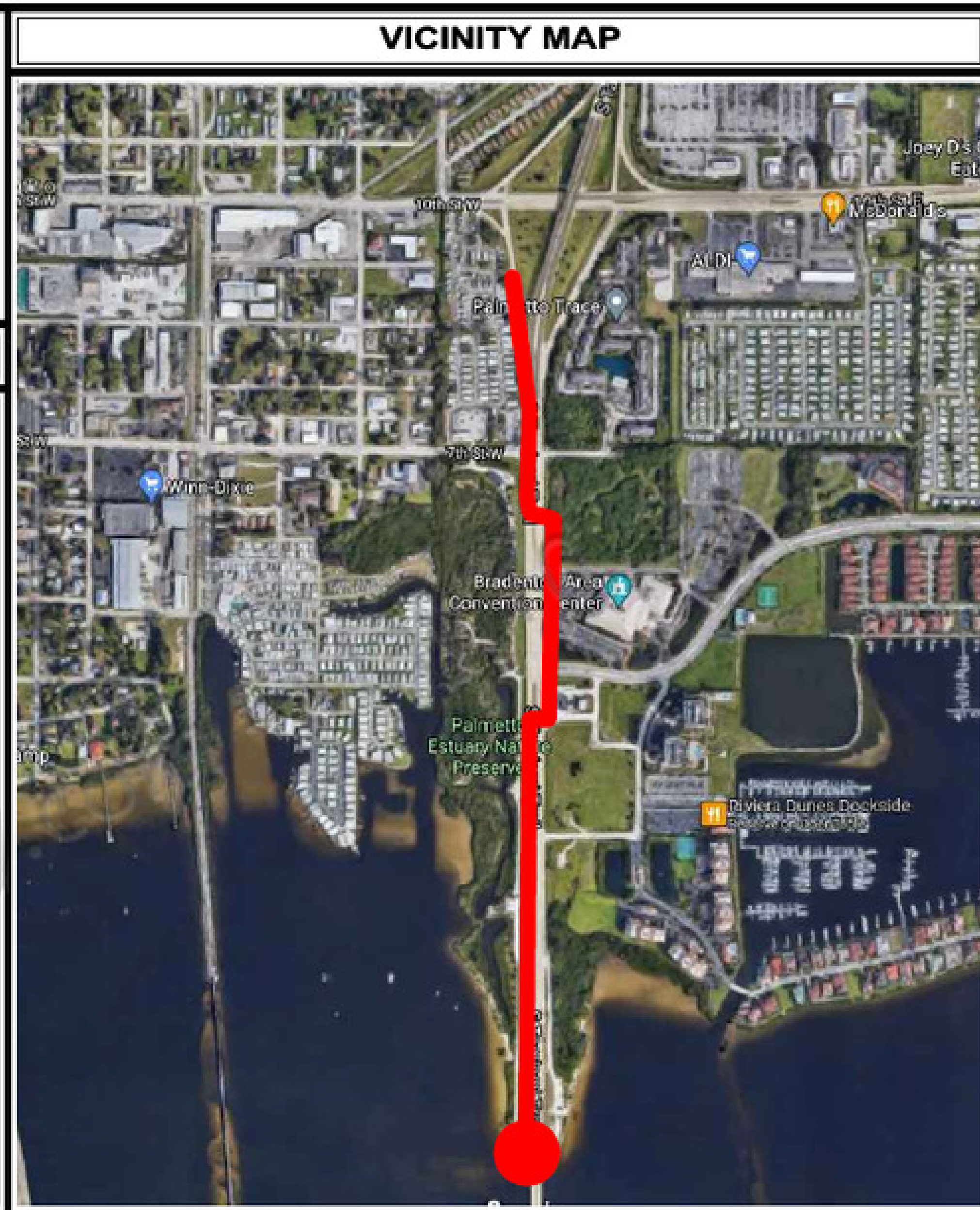
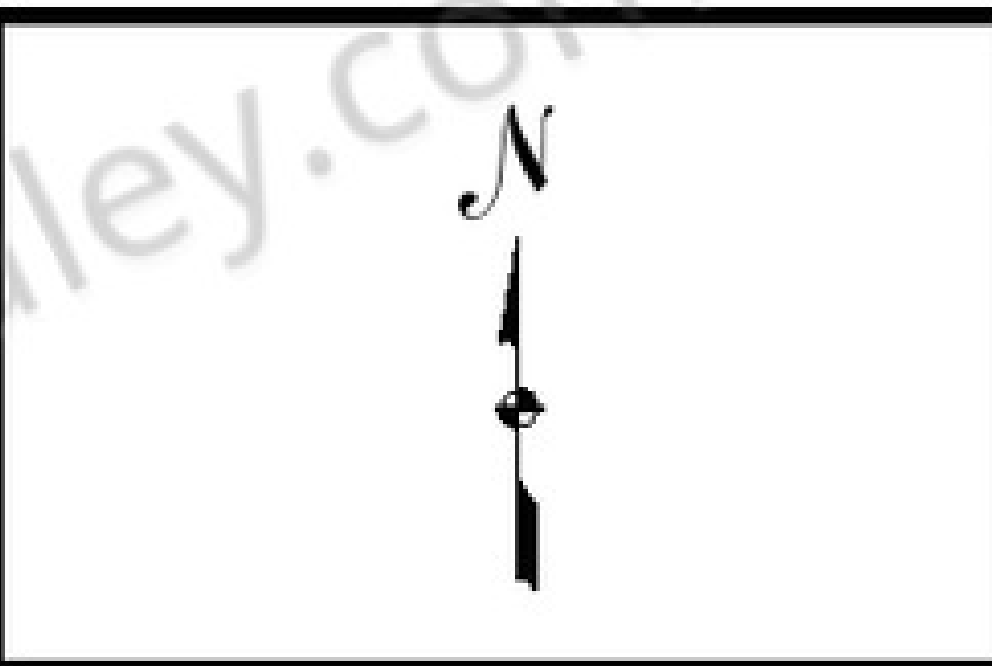
4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614

INFORMATION OBTAINED FROM THE FOLLOWING:

FIELD WORK OBTAINED FROM THIS OFFICE.



Know what's below.
Call before you dig.



PERMITTING

JURISDICTION:

- F.D.O.T.

PROJECT CONTACTS

ZAYO GROUP:

PROJECT MANAGER CONTACT:
TOM LANG
TOM.LANG@ZAYO.COM
PHONE: (813) 838-1234

INDEX OF SHEETS

001 OF 034 - COVER
002 OF 034 - OVERALL MAP
003 OF 034 - PROJECT SCHEDULE/ LEGEND
CONTACT SHEET/ LINETYPES/
NOTES
004 TO 027 OF 034 - PLAN / PROFILE /
CROSS SECTIONS
028 TO 034 OF 034 - DETAILS

CONSTRUCTION MANAGER INFO:

TOM LANG
TOM.LANG@ZAYO.COM
PHONE: (813) 838-1234

NAME VENDOR: ALPINE COMMUNICATION CORP.

ENGINEERING & SURVEYING CONTACT:

MARK MALLWITZ
PHONE: (772) 828-8945
EMAIL: MMALLWITZ@ALPINECC.US

REVISIONS	NO.	DATE	DESCRIPTION	BY	
				DATE	DESCRIPTION

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER:

SITE NAME:

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER:

SITE ADDRESS:

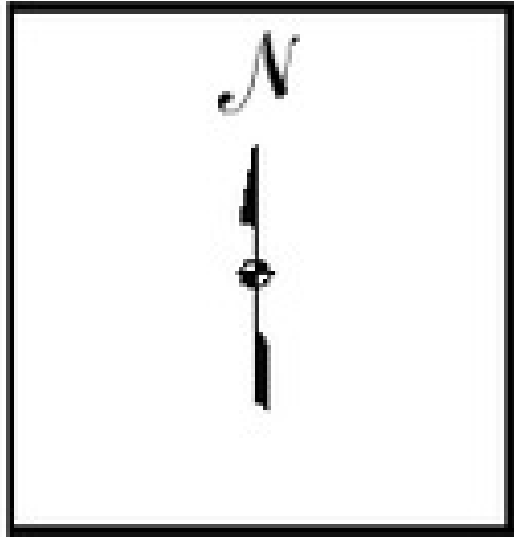
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PALMETTO
MANATEE
FL 34221 - USA

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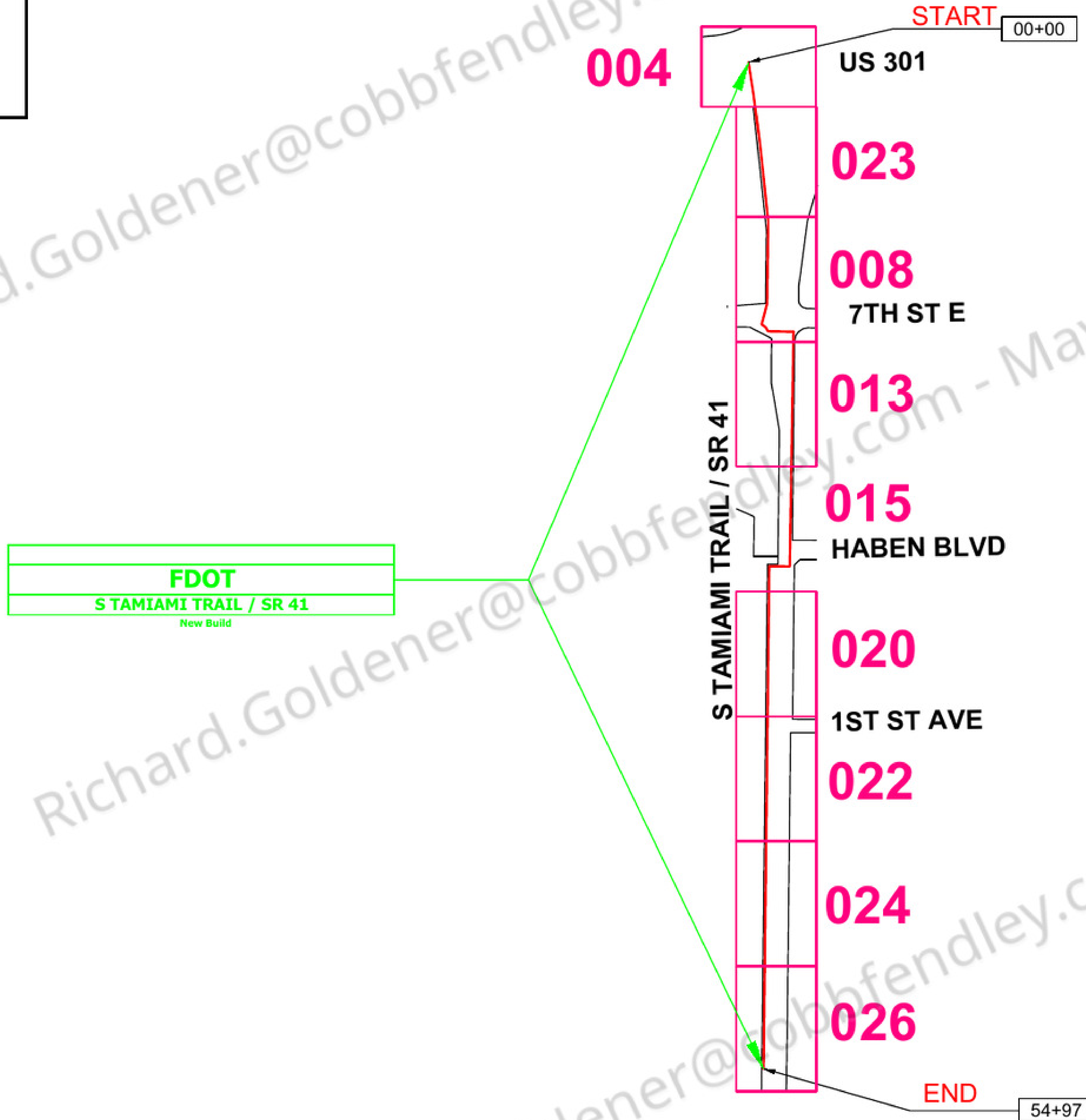
COVER

SHEET NUMBER:

ENG-PLN-10050 REV-(J) DATE:6/17/14



OVERALL MAP



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TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEAL

REVISIONS	NO.	DATE	DESCRIPTION	BY					
				1	2	3	4	5	

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

OVERALL MAP

SHEET NUMBER

OVERALL MAP

SCALE:
NTS 002

002 OF 034

PROJECT QUANTITIES

OSP UNDERGROUND ROUTE		
DESCRIPTION	QUANTITY	UNIT
(3) - 1.25" HDPE	5130	LF
(1) - 1.5" HDPE	-	LF
DIRECTIONAL BORE	5130	LF
OPEN CUT / TRENCH	-	LF
12 GAUGE TRACER WIRE	5130	LF
24"X36"X30" HANDHOLE	8	EA
30"X48"X36" HANDHOLE	-	EA

OSP AERIAL ROUTE		
DESCRIPTION	QUANTITY	UNIT
POLE COUNT	-	EA
ANCHOR / DOWN GUY	-	EA
BONDS	-	EA
AERIAL STRAND	-	LF
AERIAL FIBER	-	LF
AERIAL RISER	-	LF
AERIAL RISER CT	-	EA

RESTORATION QUANTITY (TOTAL JOB)		
DESCRIPTION	QUANTITY	UNIT
ASPHALT	-	SF.
CONCRETE	-	SF.
BRICKS	-	SF.
SOD	375	SF.

FIBER PLACEMENT & SPLICING		
DESCRIPTION	QUANTITY	UNIT
FIBER SPLICE / TEST	-	EA
450D SPLICE ENCLOSURE	1	EA
600D SPLICE ENCLOSURE	-	EA
288 CT FIBER OPTIC CABLE	5930	LF
NEW 1-DROP CABLE	-	LF

OVERHEAD GUY		
PUSH BRACE		PB
POLE TO POLE GUY		
EXIST. ANCHOR & GUY		
PROP. ANCHOR & GUY		
ANCHOR ONLY		
FIRE HYDRANT (FH)		
STREET LIGHT (SL)		
TRAFFIC LIGHT (TL)		
GAS VALVE (GV)		
WATER VALVE/METER		
RAILROAD XING SIGNAL		
RAILROAD SIGNAL		
MILE MARKER POST		
BRIDGE		
TREE		
BUSH		
TOP OF SLOPE		
TOE OF SLOPE		
DITCH LINE		DIL
CATCH BASIN		
CULVERT		12"
CAUTION NOTE		ACTIVE ZAYO CAUTION DOWNSIDE OPTIC CABLE
4'X10' BORE PIT		

LEGEND

NEW TRENCHED FOC IN DUCT (TZFO)		TZFO
NEW ZAYO FIBER IN 3RD PARTY DUCT (ZF3P)		ZF3P
NEW DIRECT BURIED FOC (DZFO)		DZFO
NEW BORED FOC IN DUCT (BZFO)		BZFO
EXISTING ZAYO FO (EZFO)		EZFO
RAILROAD TRACKS		
FENCE		
GUARD RAIL		
CENTERLINE		
RIGHT-OF-WAY		ROW
PROPERTY LINE		PL
UNDERGROUND GAS LINE		G
UNDERGROUND WATER LINE		W
UNDERGROUND ELECTRIC LINE		E
UNDERGROUND TELCOM LINE		T
UNDERGROUND GATV		TV
UNDERGROUND SEWER LINE		SW
UNDERGROUND STORM DRAIN LINE		SD
BACK OF CURB		BOC
EDGE OF PAVEMENT		EOP

CONTACT SHEET

CONTRACTS

CONTRACT COORDINATOR:

PROJECT INFORMATION

PROJECT NAME: JL_SARASOTA_BB_023_FDOT_2
CV NUMBER:

FIELD OPERATIONS

INSIDE PLANT ENGINEERING:
PROJECT MANAGER: TOM LANG
OUTSIDE PLANT ENGINEERING:

CAD CONTRACTOR

NAME OF FIRM: ALPINE COMMUNICATIONS CORP.
PROJECT MANAGER: MARK MALLWITZ
PHONE: (772) 828-8945
EMAIL: MMALLWITZ@ALPINECC.US

CONSTRUCTION CONTRACTOR

NAME OF FIRM:
PROJECT COORDINATOR: TOM LANG
PHONE: (813) 838-1234
EMAIL: TOM.LANG@ZAYO.COM
ADDRESS:

UTILITIES

SUNSHINE 811
NUMBER: 811 OR (800) 432-4770

LOCAL UTILITIES

- CONTRACTOR TO FIELD VERIFY UTILITIES PRIOR TO CONSTRUCTION

CITY GOVERNMENT

- F.D.O.T.

CONSTRUCTION NOTES

TYPICAL UNDERGROUND CONSTRUCTION:

- RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION.
- VERIFY ALL MEASUREMENTS AND DISTANCES.
- MAINTAIN MINIMUM 12" SEPARATION BETWEEN PROPOSED ZAYO DUCTS & EXISTING UTILITIES.
- NO PROPOSED RUNNING LINE CHANGES ARE TO BE DONE WITHOUT ZAYO OSPE APPROVAL.
- MAINTAIN A MIN BENDING RADIUS OF 5' ON ALL DUCT CONFIGURATION.

FOR CONSTRUCTION:

- EXTREME CAUTION TO BE TAKEN TO CONTAIN SLURRY AROUND WORK AREAS NEAR WETLANDS TO AVOID ANY WATER QUALITY ISSUES!
- ALL UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD VERIFIED BEFORE DIGGING, CALL SUNSHINE 811 (800-432-4770) FOR UTILITY LOCATES

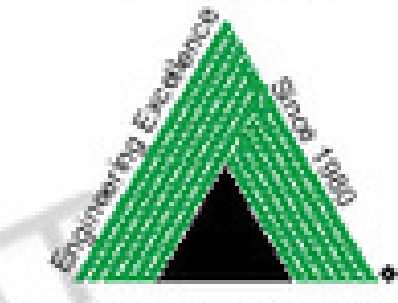
FIELD NOTES:

- CONTRACTOR TO ADJUST BORE DEPTH IN FIELD, IF REQUIRED DUE TO FIELD CONDITIONS.
- CONTRACTOR TO MAINTAIN ALL MIN. DEPTHS AND MIN. CLEARANCES REQUIRED.

FOOT NOTES:

- ALL WORK PERFORMED WITHIN FOOT EDGE OF HWY SHALL BE IN ACCORDANCE WITH THE 2020 21 FOOT STANDARD PLANS, 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE 2017 UTILITY ACCOMMODATION MANUAL.
- THE CONTRACTOR SHALL NOTIFY FDOT A MINIMUM OF (2) BUSINESS DAYS PRIOR TO BEGINNING OF ANY CONSTRUCTION WITHIN FOOT RIGHT-OF-WAY CONTACT PHONE NUMBER 321-319-1111.
- CONTRACTOR MUST BE REQUIRED TO SUBMIT BORE LOGS AND AS-BUILT PLANS AFTER COMPLETION OF PERMIT.
- OPEN CUTTING OF ANY ROADWAY, DRIVEWAY, OR SIDEWALK OUTSIDE THOSE LIMITS IDENTIFIED WITHIN THE PERMIT ARE NOT ALLOWED WITHOUT PRIOR APPROVAL BY THE FOOT OFFICE.
- THE PERMITTEE SHALL NOTIFY THE FOOT OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION, AND A NOTICE OF FINAL ACCEPTANCE.
- IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FOOT FACILITIES AND/OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION OF THIS PROJECT.

CONSULTANT



Alpine Communication Corp.
595 N. Nova Rd., Suite 208
Ormond Bch., FL 32174
(386) 615-3316

PERMITEE



4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

PROJECT SCHEDULE

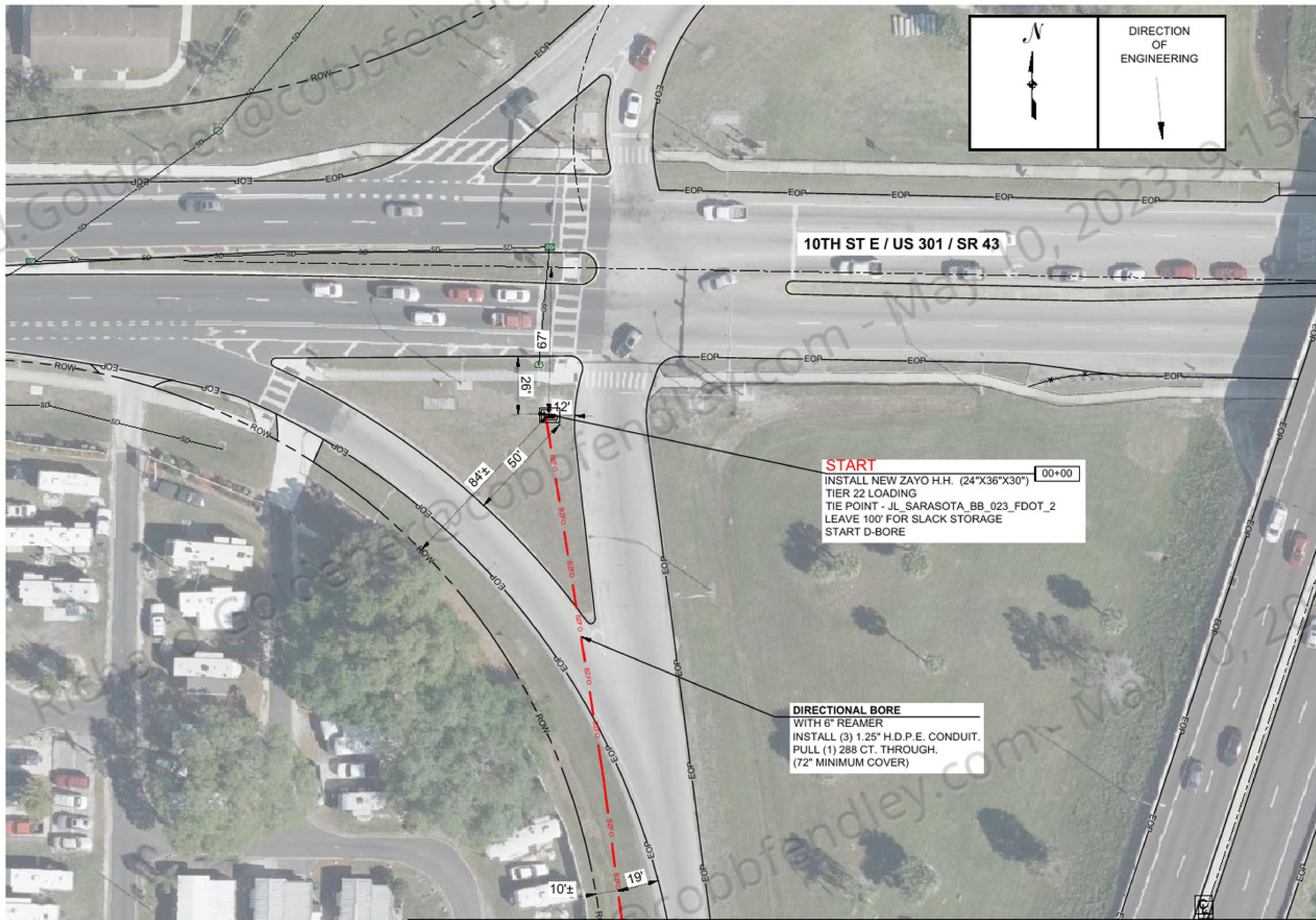
SHEET NUMBER

PROJECT SCHEDULE

PLOT DATE: 6/24/2021 FILE NAME: JL_SARASOTA_BB_023_FDOT_2

SCALE:
NTS 003

003 OF 034



START
 INSTALL NEW ZAYO H.H. (24\"X36\"X30\")
 TIER 22 LOADING
 TIE POINT - JL_SARASOTA_BB_023_FDOT_2
 LEAVE 100' FOR SLACK STORAGE
 START D-BORE

DIRECTIONAL BORE
 WITH 6\" REAMER
 INSTALL (3) 1.25\" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72\" MINIMUM COVER)

MATCH LINE STATION: 02+32

SEE SHEET: 006 OF 034

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SPACE RESERVED FOR PROFESSIONAL SEAL

REVISIONS	NO.	DATE	DESCRIPTION	BY	

DRAWN BY: A.C.C./R.R.
 CHECKED BY: MARK MALLWITZ
 DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
 PALMETTO
 MANATEE
 FL 34221 - USA

SHEET TITLE

PLAN

SHEET NUMBER

PLAN

SCALE:
 1" = 50'

004

004 OF 034

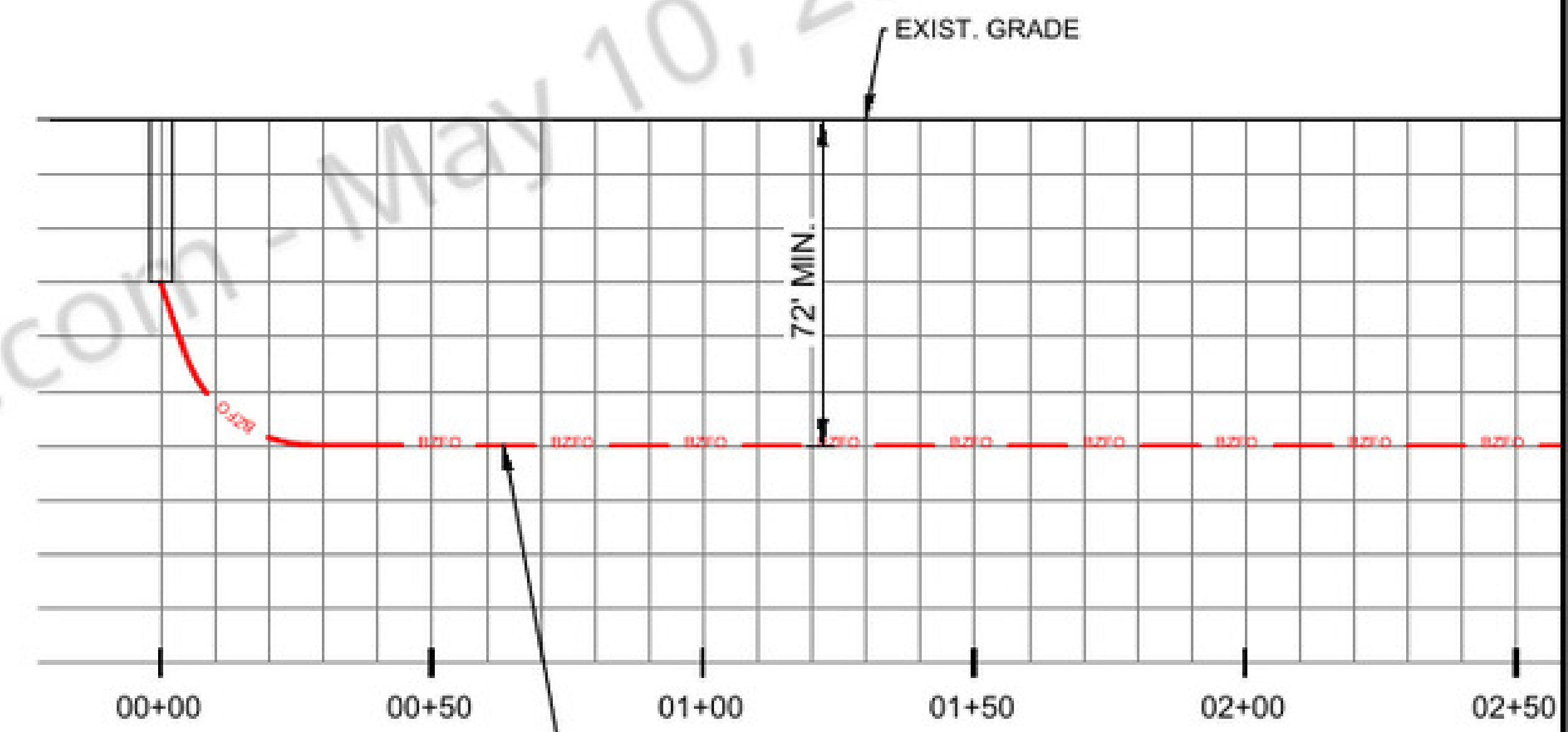
ENG-PLN-10050 REV:3 DATE:6/17/14

SEE SHEET: 000 OF 034

MATCH LINE STATION: 00+00

SEE SHEET: 000 OF 034

MATCH LINE STATION: 00+00



DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

EXISTING ZAYO H.H.
 LEAVE 100' COIL
 00+00

HORIZONTAL SCALE 1"=50'
 VERTICAL SCALE 1"=5'

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4701 W
 HILLSBOROUGH AVE
 TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEALS

REVISIONS	NO.	DATE	DESCRIPTION	BY

DRAWN BY: A.C.C./R.R.
 CHECKED BY: MARK MALLWITZ
 DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
 PALMETTO
 MANATEE
 FL 34221 - USA

SHEET TITLE

PROFILE

SHEET NUMBER

PROFILE

SCALE:
 1" = 50'

ENG-PLN-10050 REV(-) DATE:6/17/14



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PERMITEE
zayo
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TAMPA, FL 33614

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REVISIONS	NO.	DATE	DESCRIPTION	BY	

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SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

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PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

PLAN

SHEET NUMBER

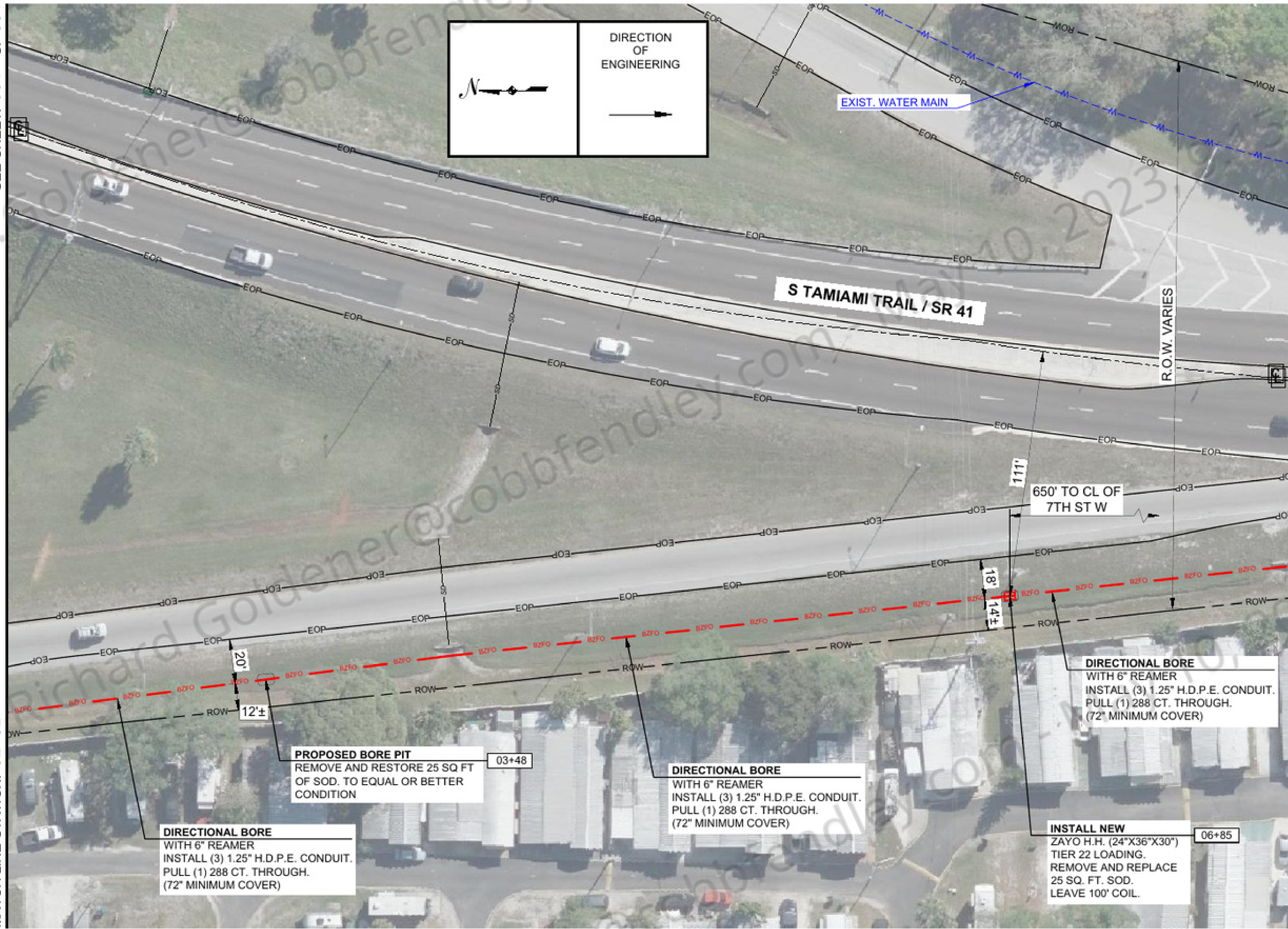
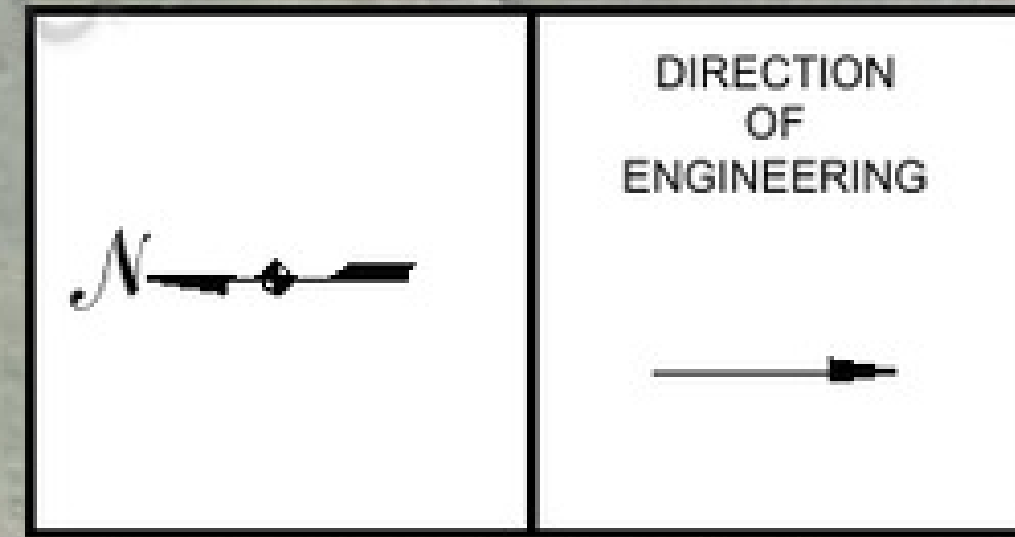
006 OF 034

SEE SHEET: 004 OF 034

SEE SHEET: 008 OF 034

MATCH LINE STATION: 02+32

MATCH LINE STATION: 08+10



DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

PROPOSED BORE PIT
REMOVE AND RESTORE 25 SQ FT
OF SOD. TO EQUAL OR BETTER
CONDITION

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

INSTALL NEW
ZAYO H.H. (24"X36"X30")
TIER 22 LOADING.
REMOVE AND REPLACE
25 SQ. FT. SOD.
LEAVE 100' COIL.

PLAN

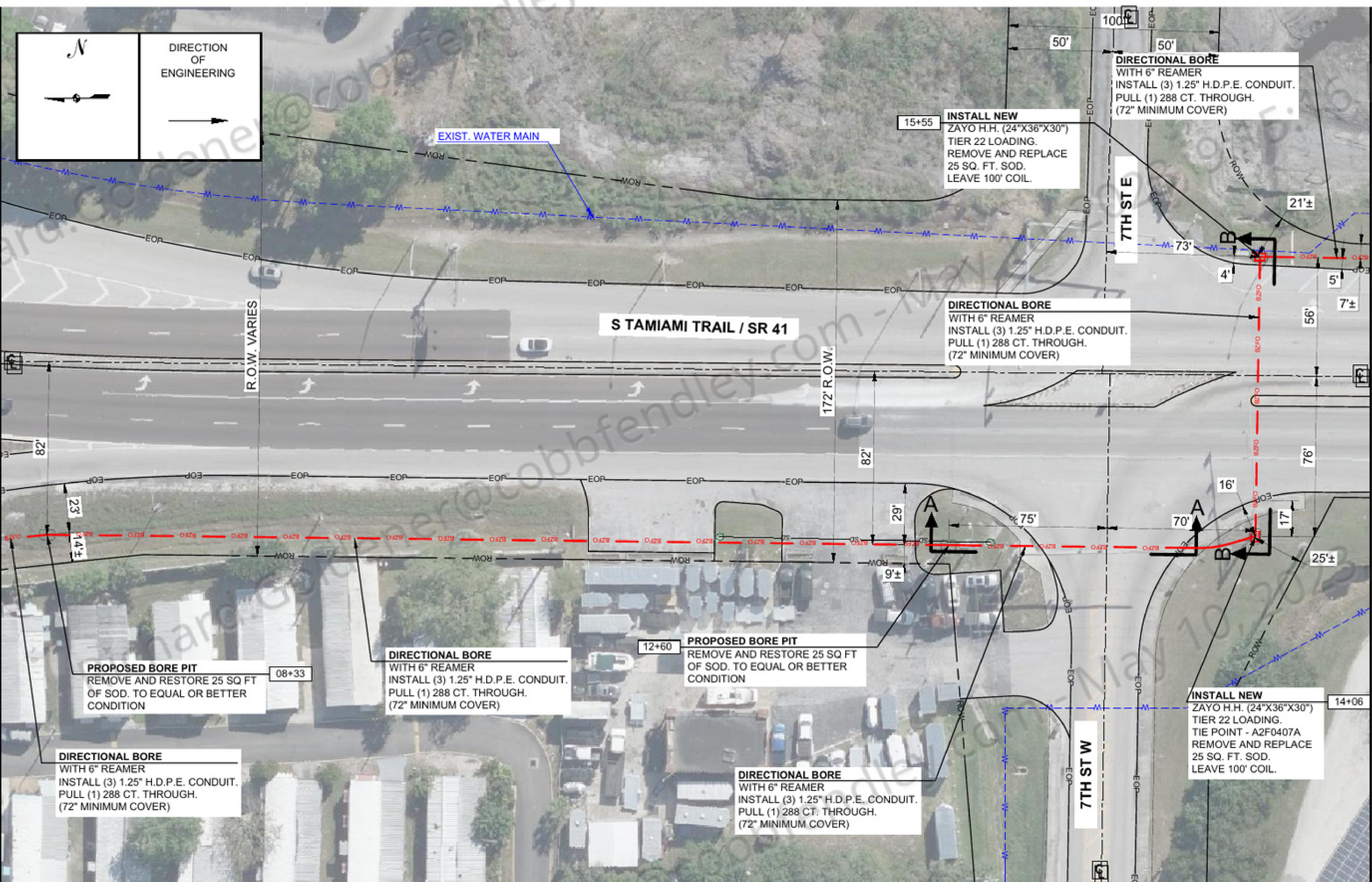
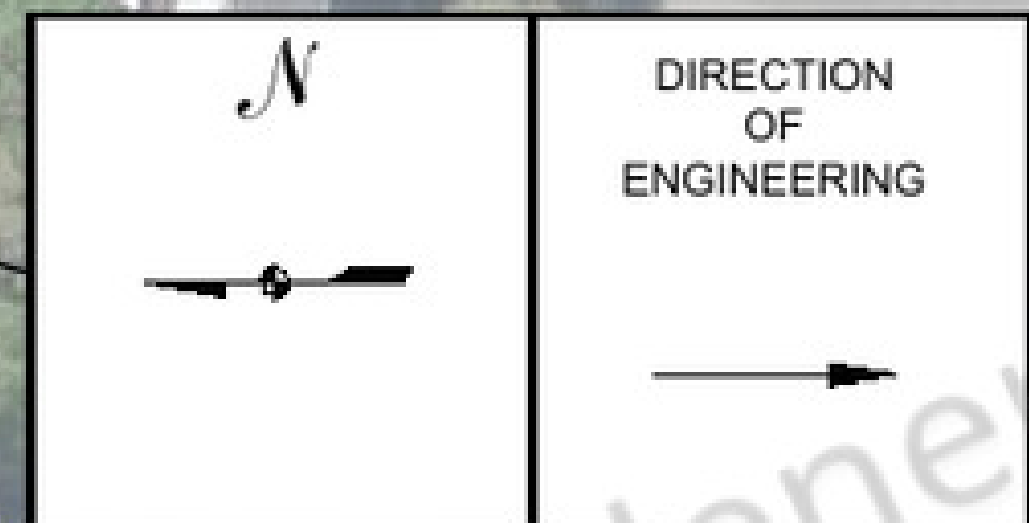
SCALE: 1" = 50'
006

SEE SHEET: 00+00 OF 034

SEE SHEET: 000 OF 034

MATCH LINE STATION: 00+00

MATCH LINE STATION: 00+00



CONSULTANT

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(386) 615-3316

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4701 W
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TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEAL

REVISIONS	BY	
	NO.	DESCRIPTION

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER: _____

SITE NAME: _____

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER: _____

SITE ADDRESS: _____

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE: _____

PLAN

SHEET NUMBER: _____

SCALE: 1" = 50'

008

ENG-PLN-10050 REV:3 DATE:6/17/14

CONSULTANT



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TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEALS

REVISIONS	NO.	DATE	DESCRIPTION	BY																
				1	2	3	4	5	6	7	8	9	10							

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

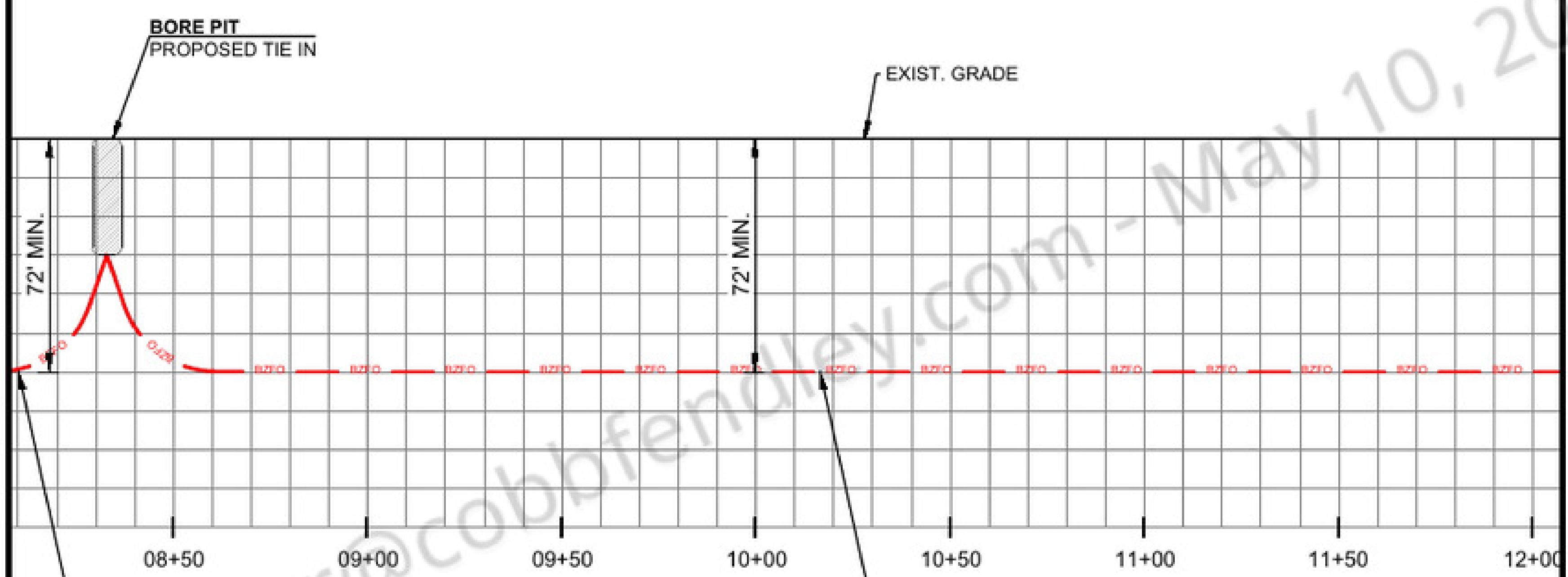
SHEET TITLE

PROFILE

SHEET NUMBER

SEE SHEET: 007 OF 034

MATCH LINE STATION: 08+10



DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

PROPOSED BORE PIT
08+33

HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=5'

SEE SHEET: 010 OF 034

MATCH LINE STATION: 12+10

PROFILE

SCALE: 1"=50' 009

009 OF 034



4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614



NO.	DATE	DESCRIPTION	BY	
			NO.	DATE

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

PROFILE

SHEET NUMBER

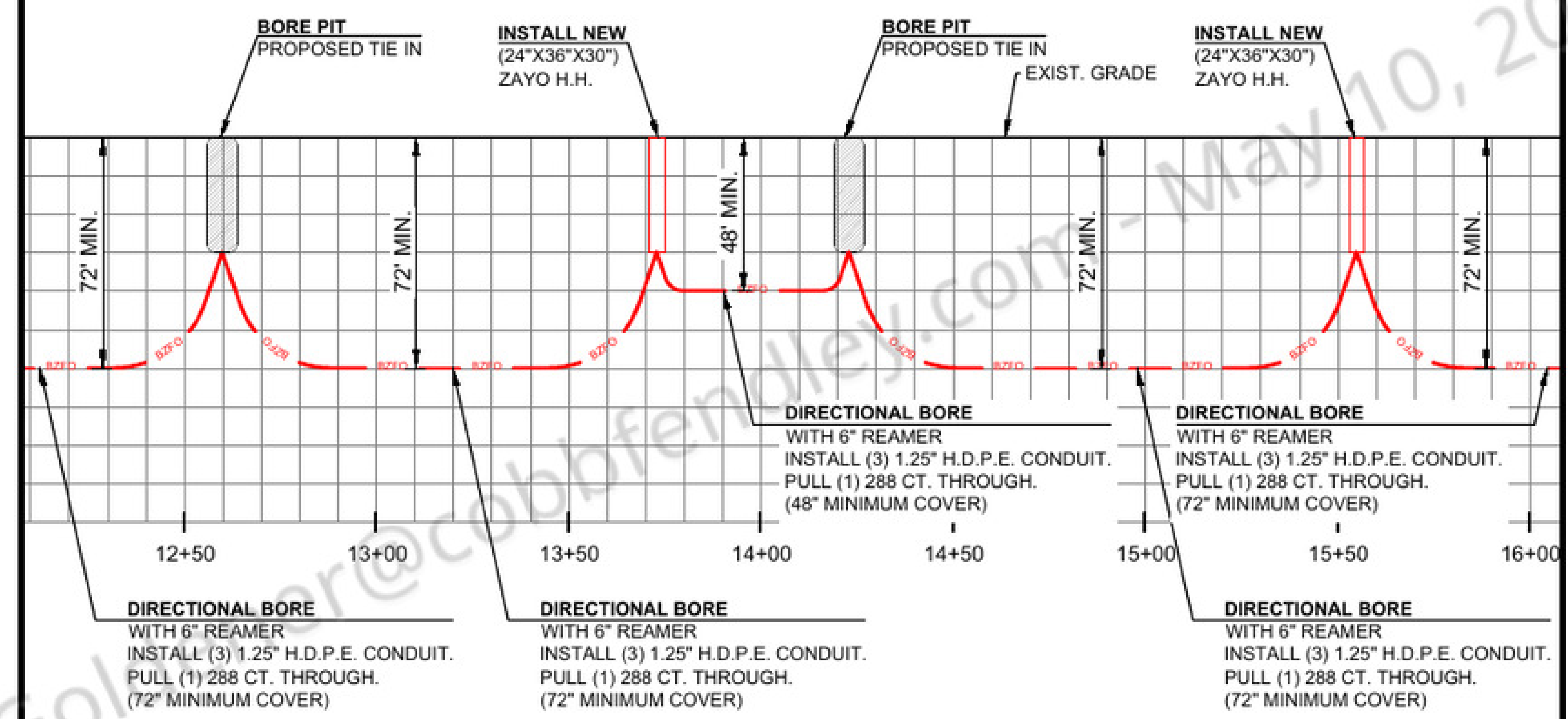
SCALE:
1" = 50'

010

010 OF 034

SEE SHEET: 009 OF 034

MATCH LINE STATION: 12+10



PROPOSED BORE PIT
12+60

PROPOSED ZAYO H.H.
LEAVE 100' COIL
13+73

PROPOSED BORE PIT
14+23

PROPOSED ZAYO H.H.
LEAVE 100' COIL
15+55

HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=5'

SEE SHEET: 000 OF 034

MATCH LINE STATION: 16+08

PROFILE

CONSULTANT



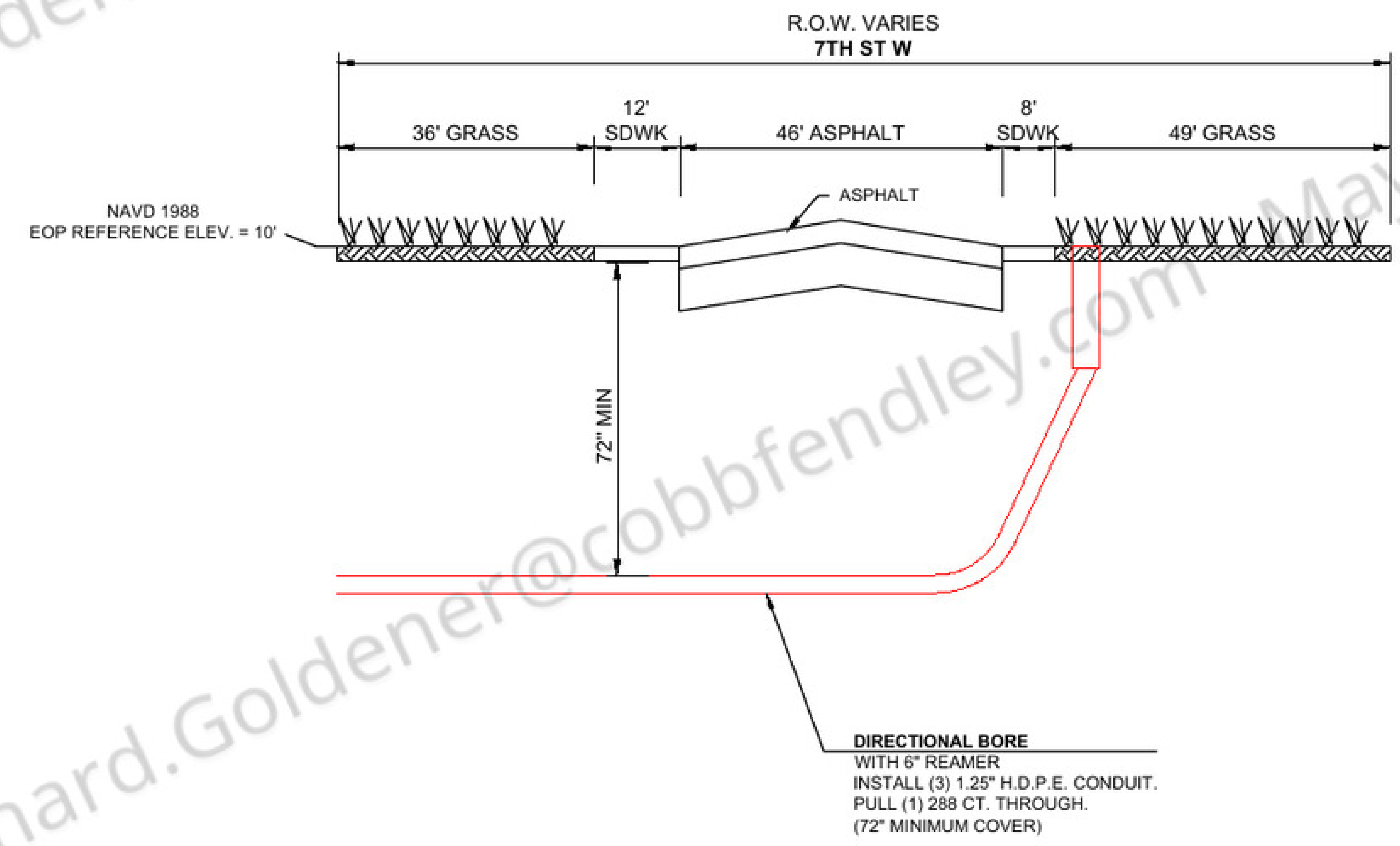
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Ormond Bch., FL 32174
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SPACE RESERVED FOR PROFESSIONAL SEAL



**SECTION A-A N.T.S.
FACING EAST**

NOTES: CONTRACTOR TO MAINTAIN 12" MIN. VERTICAL CLEARANCE TO ALL EXIST. UTILITIES.

REVISIONS	NO.	DATE	DESCRIPTION	BY																	
				1	2	3	4	5	6	7	8	9	10								

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
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SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

SECTION DETAIL

SHEET NUMBER

SECTION DETAIL PLAN

SCALE:
N.T.S. 011

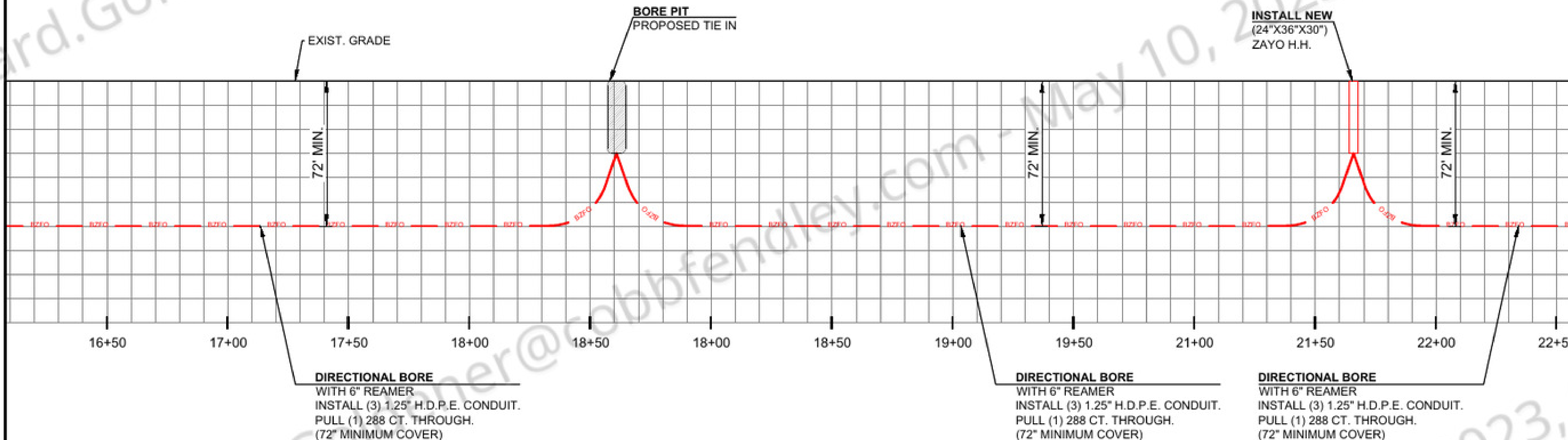
011 OF 034

SEE SHEET: 010 OF 034

MATCH LINE STATION: 16+08

SEE SHEET: 016 OF 034

MATCH LINE STATION: 22+58



DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

PROPOSED BORE PIT
 18+61

PROPOSED ZAYO H.H.
 LEAVE 100' COIL
 21+66

HORIZONTAL SCALE 1"=50'
 VERTICAL SCALE 1"=5'

CONSULTANT



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4701 W
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SPACE RESERVED FOR PROFESSIONAL SEALS

REVISIONS	NO.	DATE	DESCRIPTION	BY	
				DATE	DESCRIPTION

DRAWN BY: A.C.C./R.R.
 CHECKED BY: MARK MALLWITZ
 DRAWING DATE: 6/24/2021

SITE NUMBER:

SITE NAME:

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER:

SITE ADDRESS:

10 TH ST E
 PALMETTO
 MANATEE
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SHEET TITLE:

PROFILE

SHEET NUMBER:

PROFILE

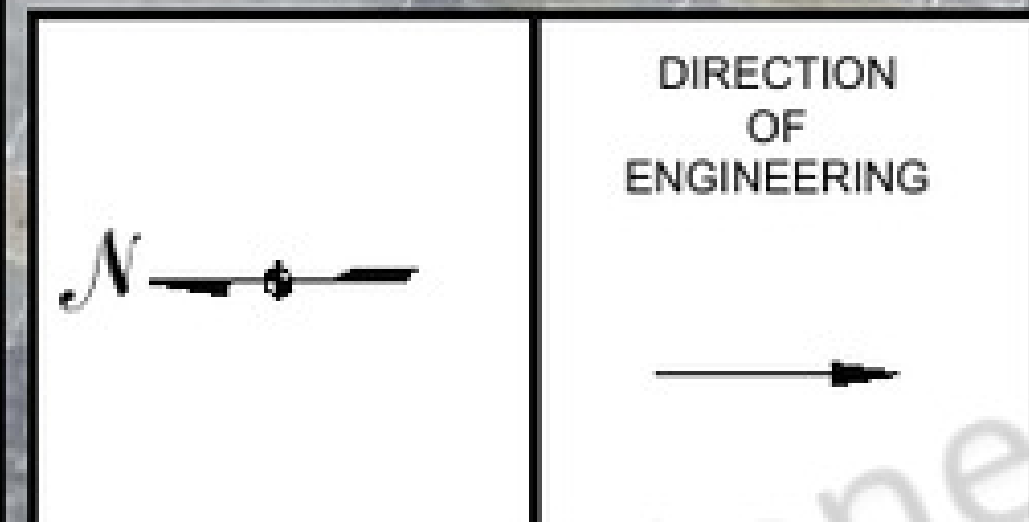
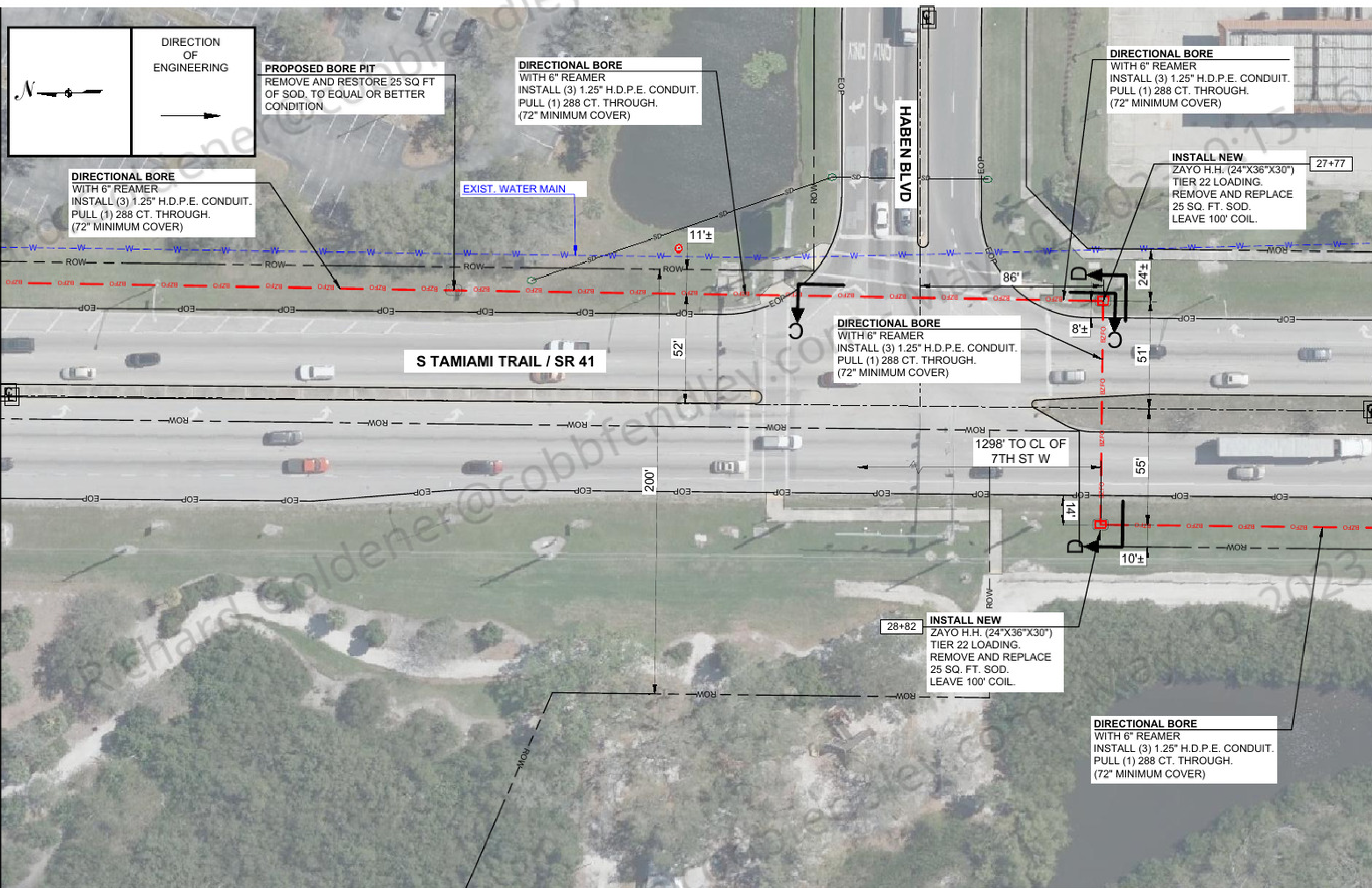
SCALE: 1"=50' 014

SEE SHEET: 013 OF 034

MATCH LINE STATION: 22+58

SEE SHEET: 020 OF 034

MATCH LINE STATION: 30+14



PROPOSED BORE PIT
 REMOVE AND RESTORE 25 SQ FT OF SOD. TO EQUAL OR BETTER CONDITION

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

EXIST. WATER MAIN

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

INSTALL NEW
 ZAYO H.H. (24"x36"x30")
 TIER 22 LOADING.
 REMOVE AND REPLACE
 25 SQ. FT. SOD.
 LEAVE 100' COIL.

INSTALL NEW
 ZAYO H.H. (24"x36"x30")
 TIER 22 LOADING.
 REMOVE AND REPLACE
 25 SQ. FT. SOD.
 LEAVE 100' COIL.

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

CONSULTANT

Alpine Communication Corp.
 595 N. Nova Rd., Suite 208
 Ormond Bch., FL 32174
 (386) 615-3316

PERMITTEE

4701 W
 HILLSBOROUGH AVE
 TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEALS

REVISIONS	BY	
	NO.	DESCRIPTION

DRAWN BY: A.C.C./R.R.
 CHECKED BY: MARK MALLWITZ
 DRAWING DATE: 6/24/2021

SITE NUMBER: _____

SITE NAME: _____

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER: _____

SITE ADDRESS: _____

10 TH ST E
 PALMETTO
 MANATEE
 FL 34221 - USA

SHEET TITLE: _____

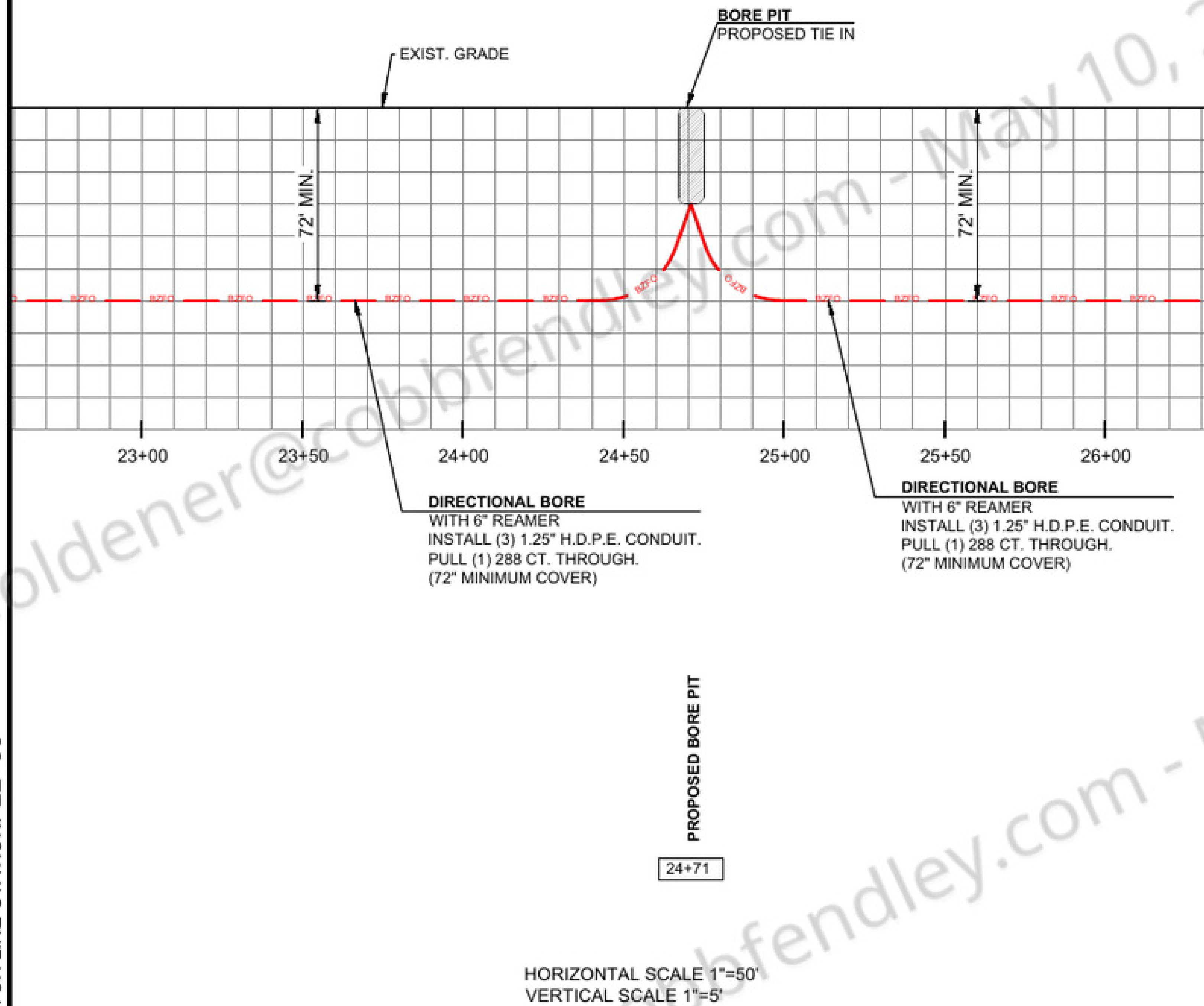
PLAN

SHEET NUMBER: _____

SCALE: 1" = 50'

SEE SHEET: 014 OF 034

MATCH LINE STATION: 22+58



SEE SHEET: 017 OF 034

MATCH LINE STATION: 26+35

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REVISIONS	NO.	DATE	DESCRIPTION	BY

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

PROFILE

SHEET NUMBER

PROFILE

SCALE:
1" = 50'

016

016 OF 034



4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614



REVISIONS	NO.	DATE	DESCRIPTION	BY																
				1	2	3	4	5	6	7	8	9	10							

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CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

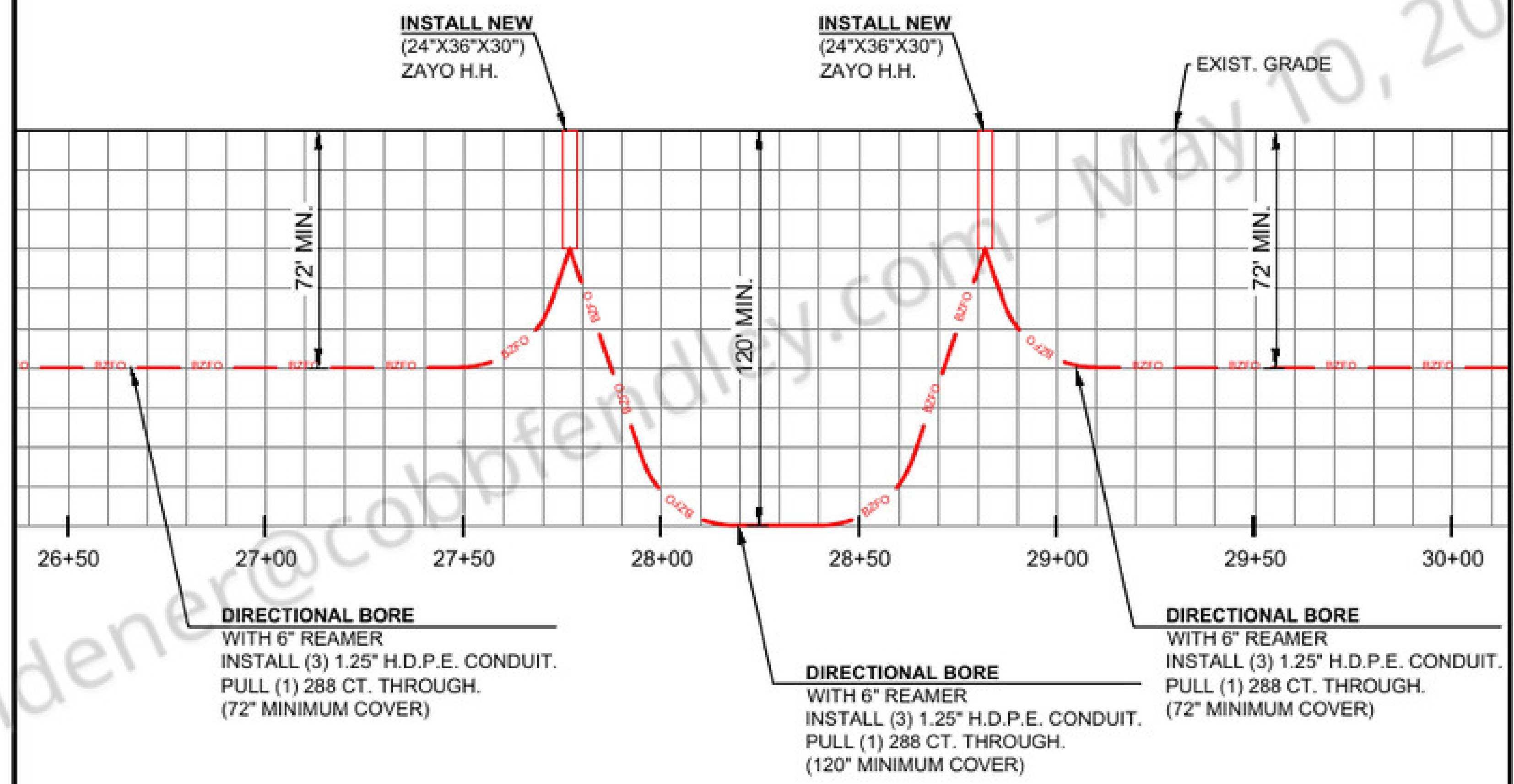
SHEET TITLE

PROFILE

SHEET NUMBER

SEE SHEET: 016 OF 034

MATCH LINE STATION: 26+35



SEE SHEET: 021 OF 034

MATCH LINE STATION: 30+14

HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=5'

PROFILE

SCALE: 1"=50' 017

017 OF 034

CONSULTANT



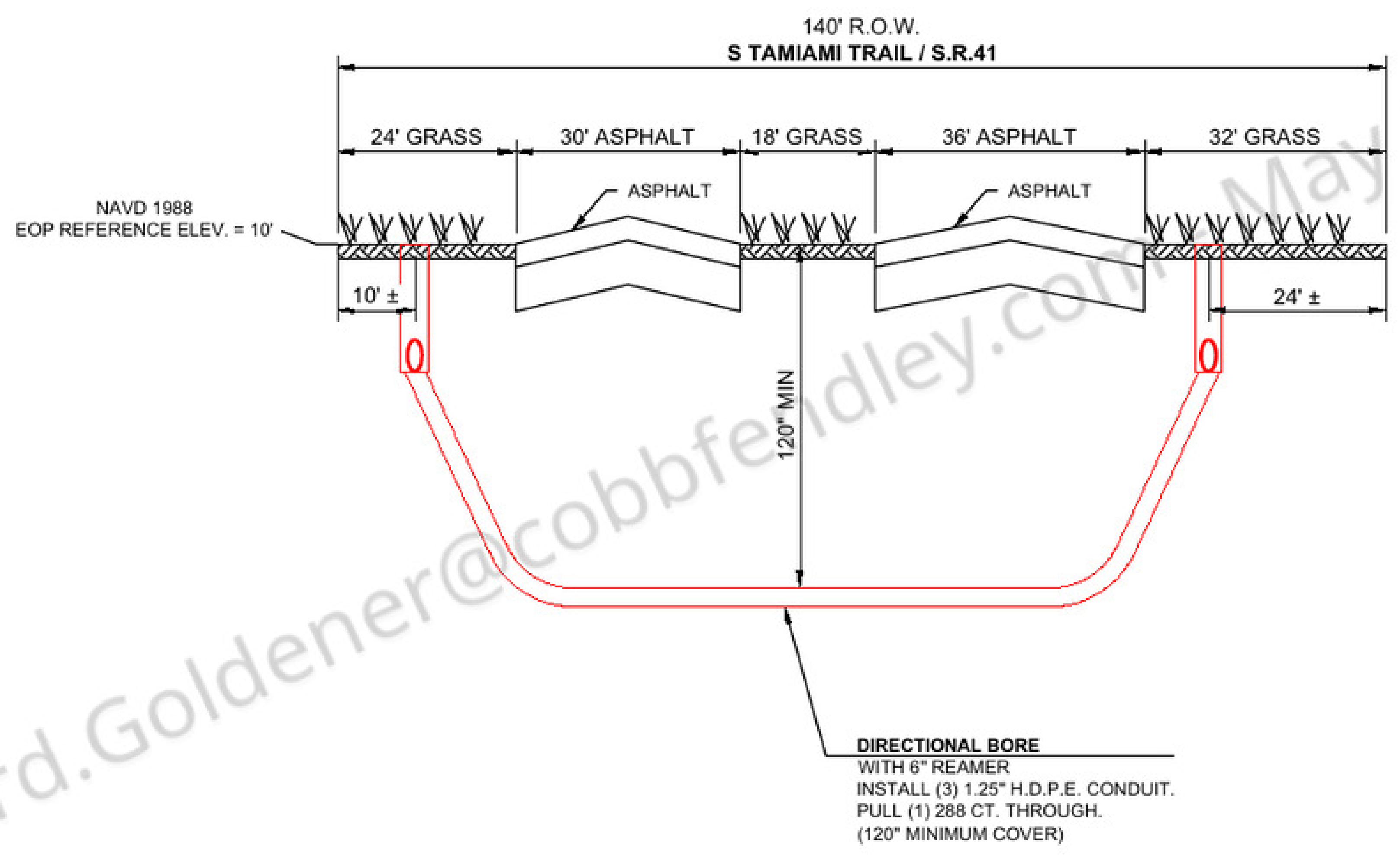
Alpine Communication Corp.
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SPACE RESERVED FOR PROFESSIONAL SEALS



**SECTION D-D N.T.S.
FACING NORTH**

NOTES: CONTRACTOR TO MAINTAIN 12" MIN. VERTICAL CLEARANCE TO ALL EXIST. UTILITIES.

REVISIONS	BY		DESCRIPTION
	NO.	DATE	

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

SECTION DETAIL

SHEET NUMBER

SECTION DETAIL PLAN

SCALE: N.T.S. 018

018 OF 034

CONSULTANT



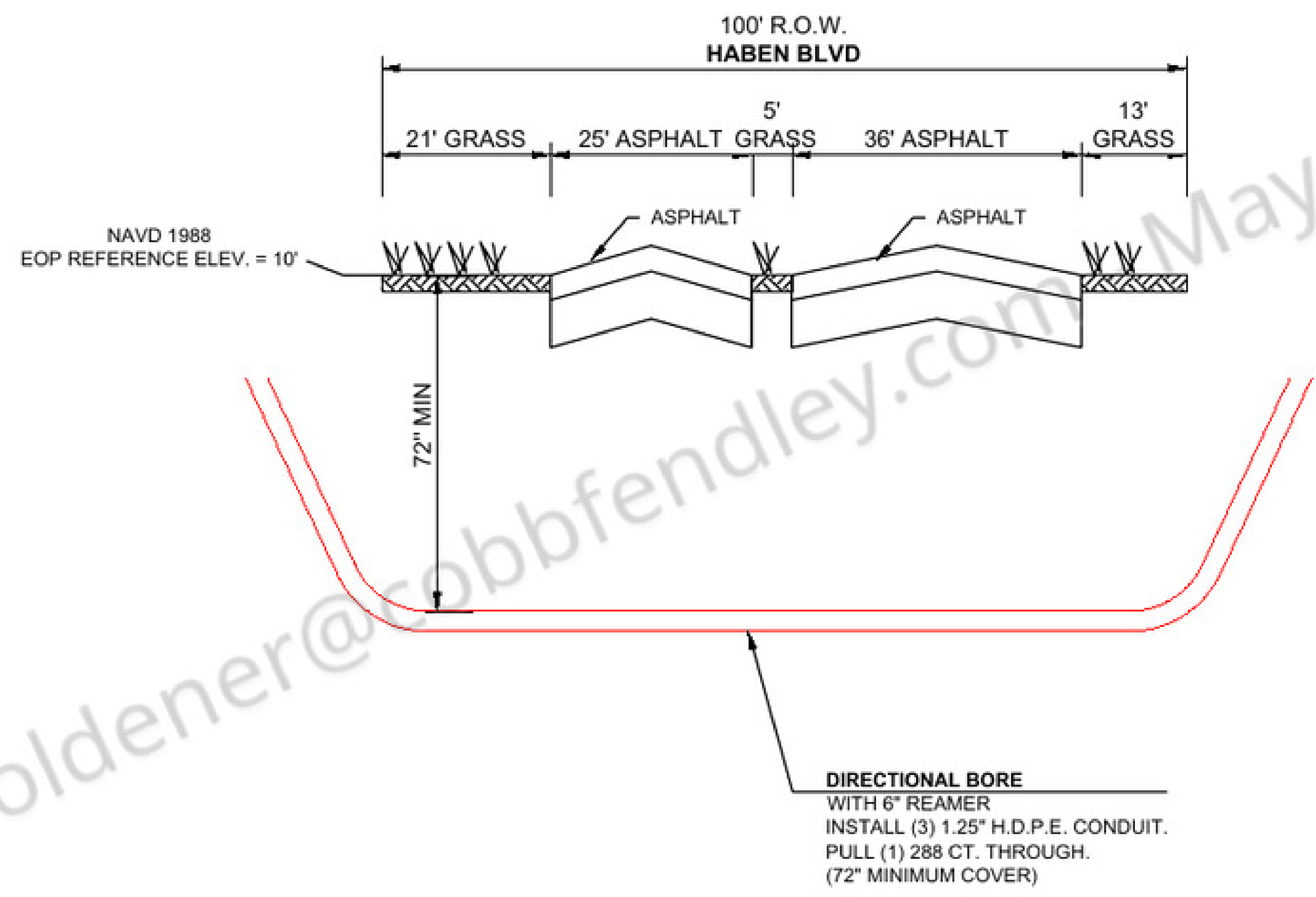
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SPACE RESERVED FOR PROFESSIONAL SEALS



**SECTION C-C N.T.S.
FACING NORTH**

NOTES: CONTRACTOR TO MAINTAIN 12" MIN. VERTICAL CLEARANCE TO ALL EXIST. UTILITIES.

REVISIONS NO.	DATE	DESCRIPTION	BY																		
			1	2	3	4	5	6	7	8	9	10									

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

SECTION DETAIL

SHEET NUMBER

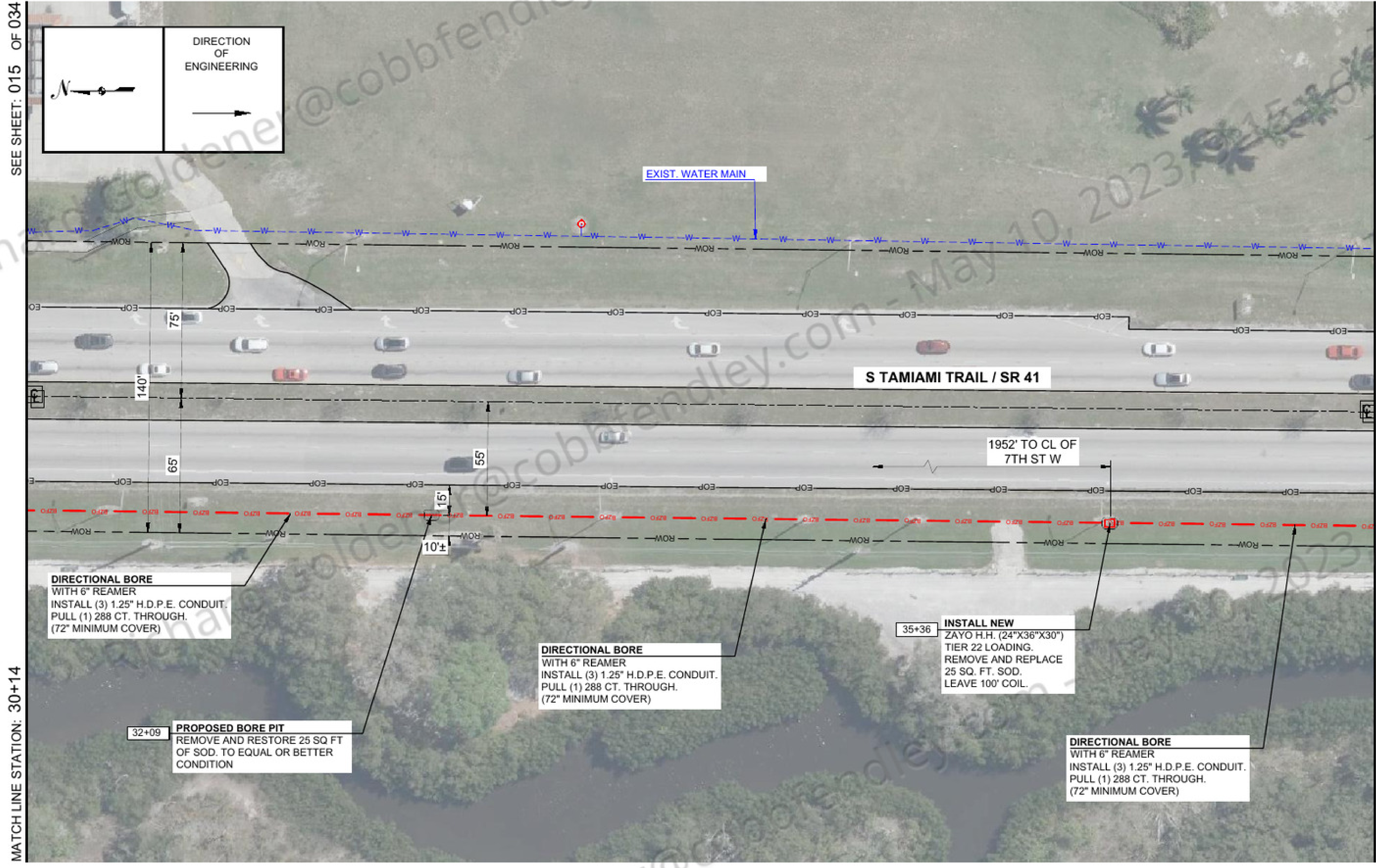
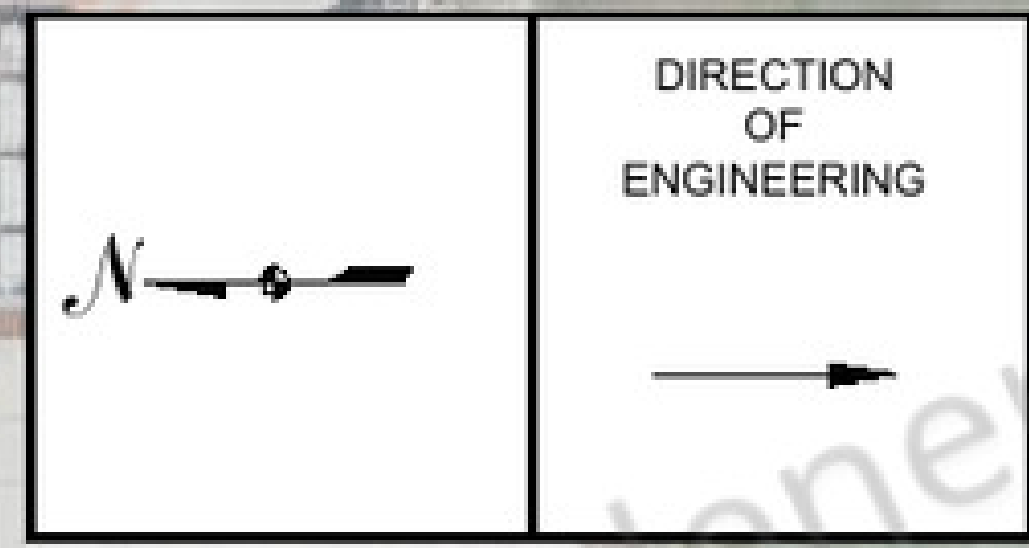
SECTION DETAIL PLAN

SCALE:
N.T.S. 019

019 OF 034

SEE SHEET: 015 OF 034

SEE SHEET: 022 OF 034



MATCH LINE STATION: 30+14

MATCH LINE STATION: 36+64

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REVISIONS	NO.	DATE	DESCRIPTION	BY	

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

PLAN

SHEET NUMBER

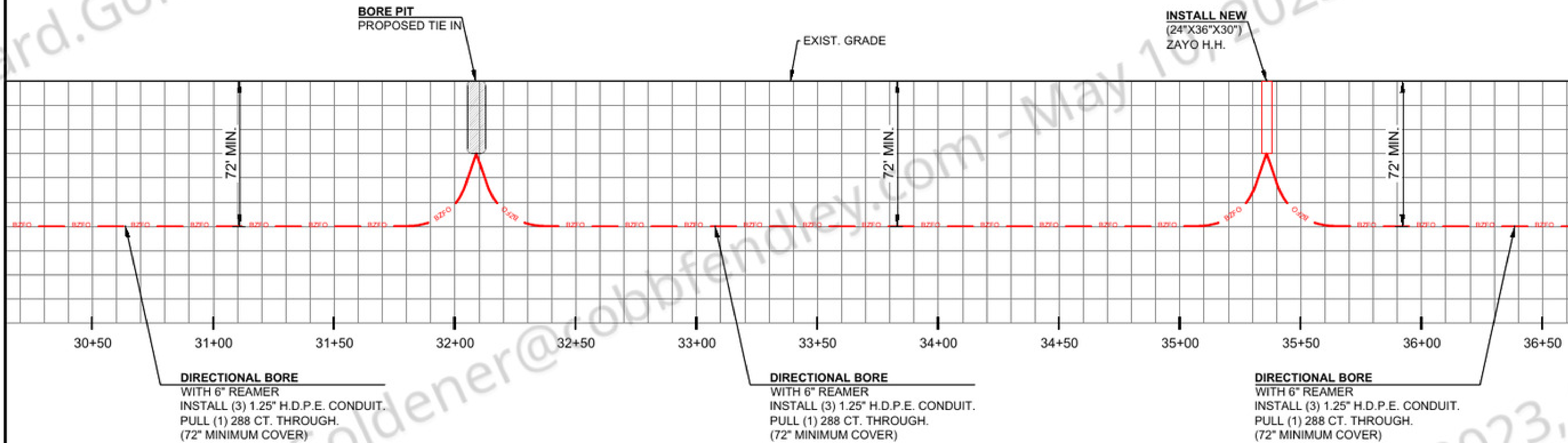
PLAN

SCALE: 1" = 50'
020

020 OF 034

SEE SHEET: 017 OF 034

MATCH LINE STATION: 30+14



BORE PIT
PROPOSED TIE IN

EXIST. GRADE

INSTALL NEW
(24"X36"X30")
ZAYO H.H.

72' MIN.

72' MIN.

72' MIN.

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

PROPOSED BORE PIT

32+09

PROPOSED ZAYO H.H.
LEAVE 100' COIL

35+36

HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=5'

SEE SHEET: 023 OF 034

MATCH LINE STATION: 36+64



4701 W
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REVISIONS NO.	DATE	DESCRIPTION	BY	
			DATE	DESCRIPTION

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

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BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

PROFILE

SHEET NUMBER

PROFILE

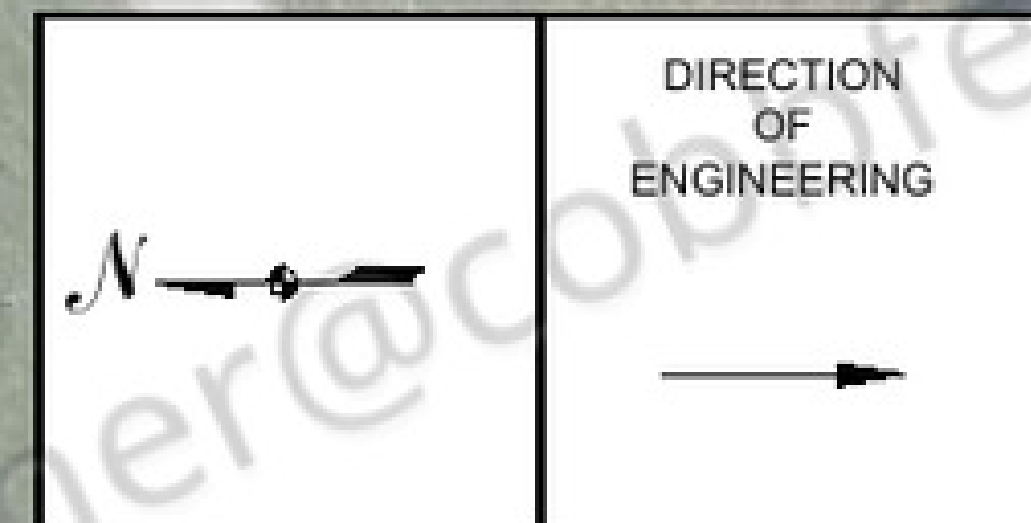
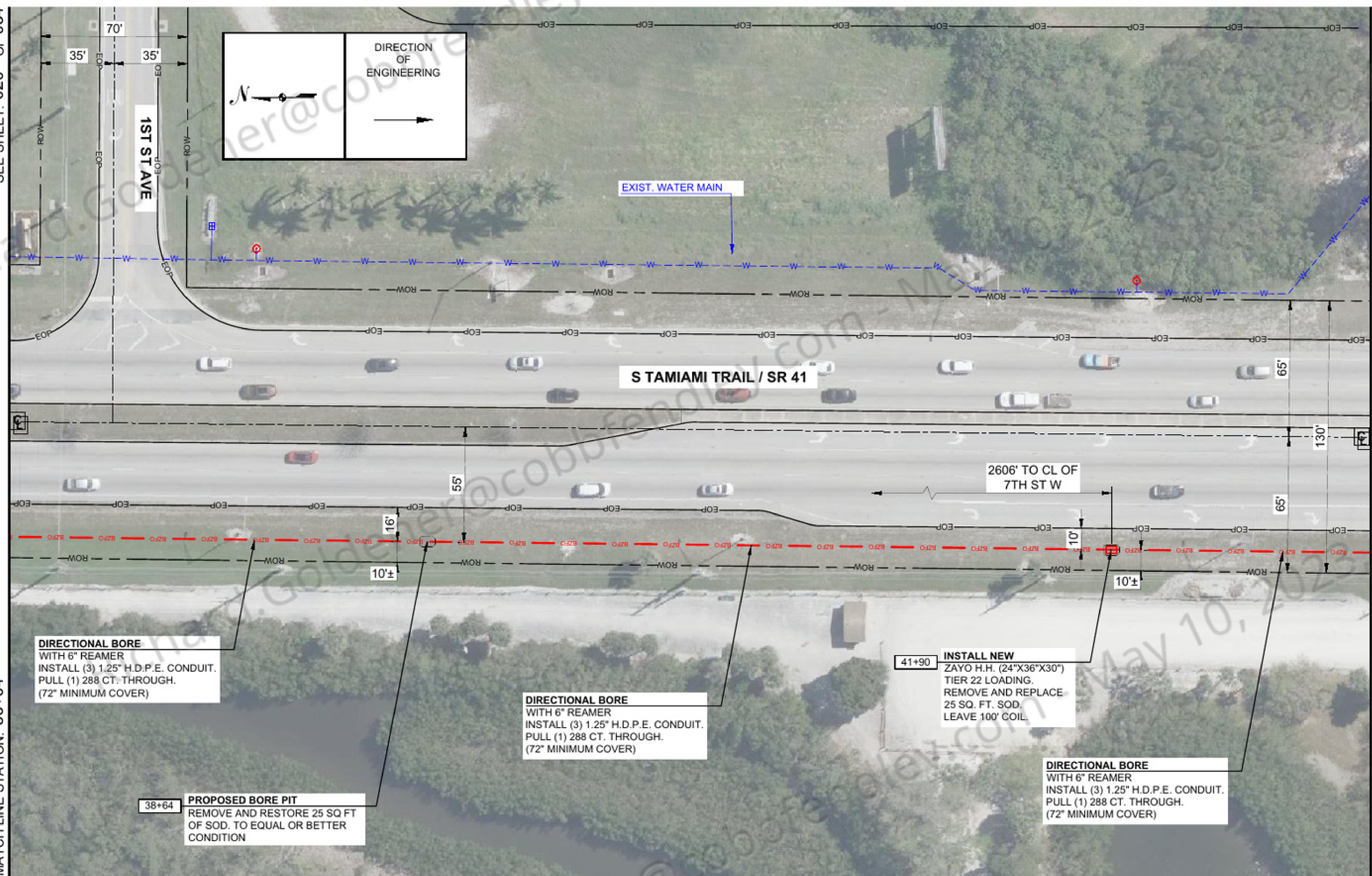
SCALE: 1"=50' 021

SEE SHEET: 020 OF 034

MATCH LINE STATION: 36+64

SEE SHEET: 024 OF 034

MATCH LINE STATION: 43+14



DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

38+64 PROPOSED BORE PIT
REMOVE AND RESTORE 25 SQ FT
OF SOD. TO EQUAL OR BETTER
CONDITION

41+90 INSTALL NEW
ZAYO H.H. (24"X36"X30")
TIER 22 LOADING.
REMOVE AND REPLACE
25 SQ. FT. SOD.
LEAVE 100' COIL.

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

CONSULTANT

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SPACE RESERVED FOR PROFESSIONAL SEAL

REVISIONS	NO.	DATE	DESCRIPTION	BY

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FD0T_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

PLAN

SHEET NUMBER

PLAN

SCALE: 1" = 50'

022

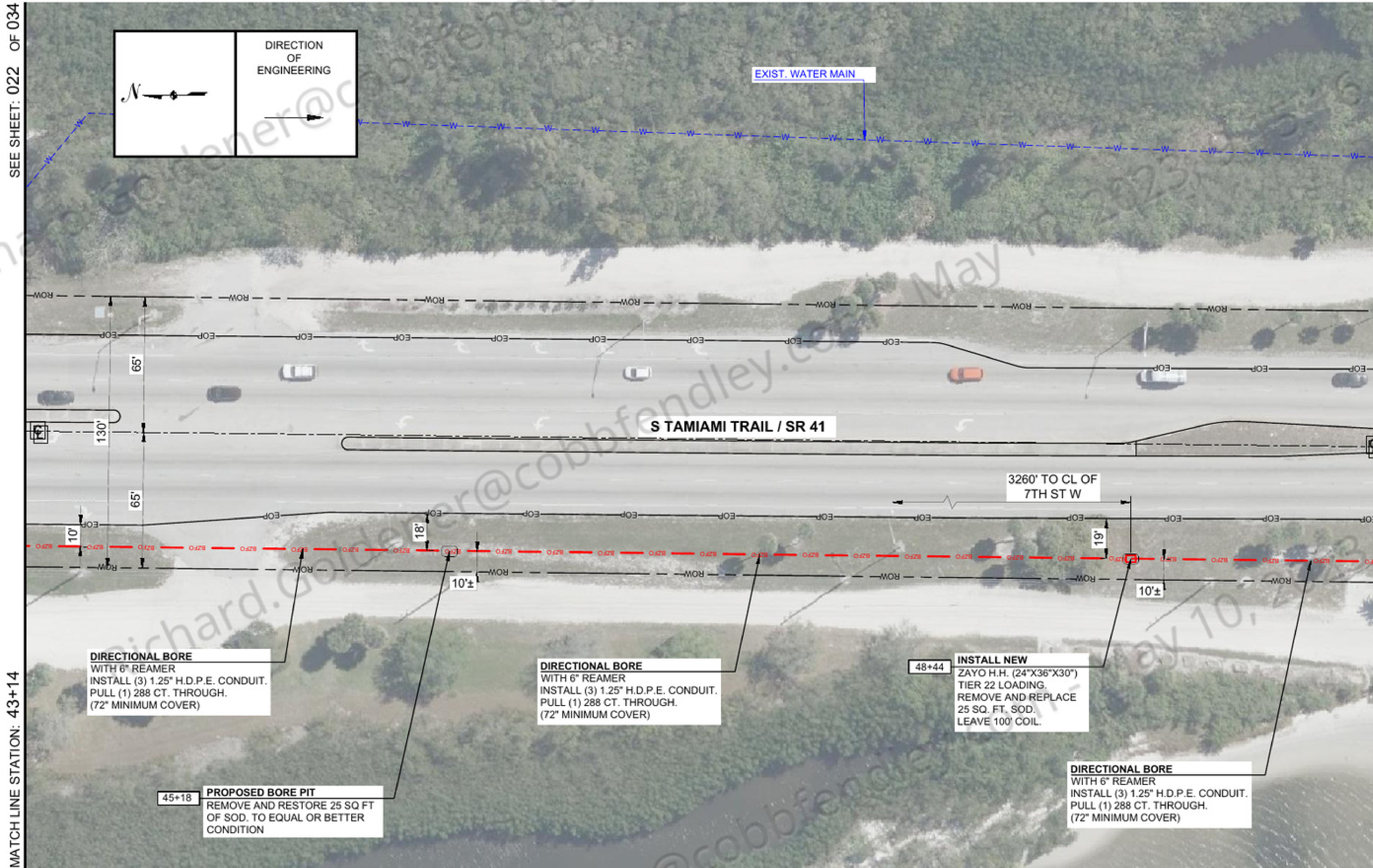
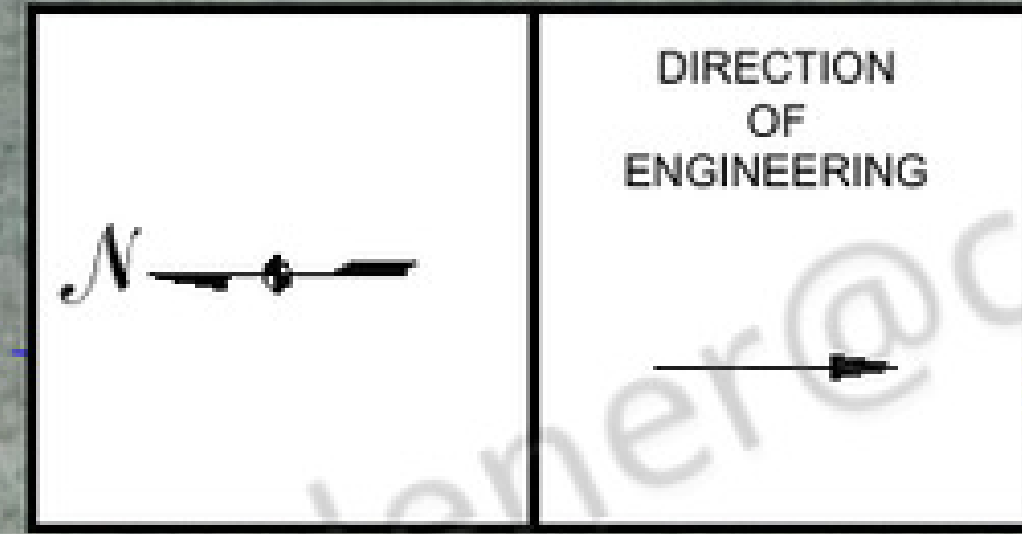
022 OF 034

SEE SHEET: 022 OF 034

SEE SHEET: 026 OF 034

MATCH LINE STATION: 43+14

MATCH LINE STATION: 49+64



DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

48+44 INSTALL NEW
ZAYO H.H. (24"X36"X30")
TIER 22 LOADING.
REMOVE AND REPLACE
25 SQ. FT. SOD.
LEAVE 100' COIL.

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

45+18 PROPOSED BORE PIT
REMOVE AND RESTORE 25 SQ FT
OF SOD. TO EQUAL OR BETTER
CONDITION

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SPACE RESERVED FOR PROFESSIONAL SEALS

REVISIONS	NO.	DATE	DESCRIPTION	BY

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

SHEET TITLE

PLAN

SHEET NUMBER

PLAN

SCALE: 1" = 50'

024

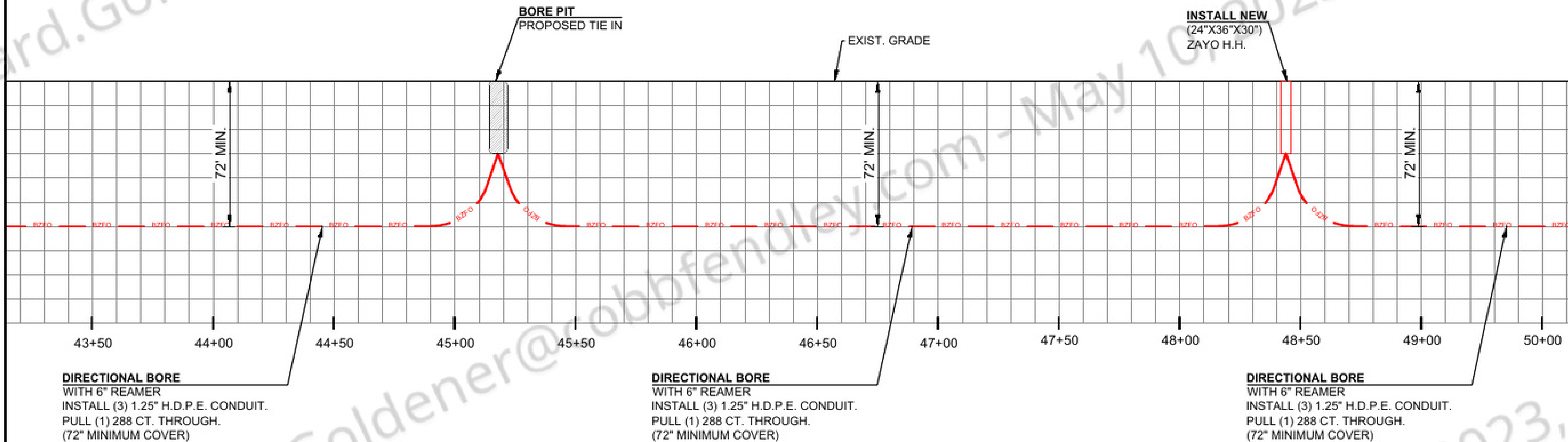
024 OF 034

SEE SHEET: 023 OF 034

MATCH LINE STATION: 43+14

SEE SHEET: 027 OF 034

MATCH LINE STATION: 49+64



DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

DIRECTIONAL BORE
 WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

PROPOSED BORE PIT
 45+18

PROPOSED ZAYO H.H.
 LEAVE 100' COIL
 48+44

HORIZONTAL SCALE 1"=50'
 VERTICAL SCALE 1"=5'



REVISIONS NO.	DATE	DESCRIPTION	BY	
			DATE	DESCRIPTION

DRAWN BY: A.C.C./R.R.
 CHECKED BY: MARK MALLWITZ
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SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
 PALMETTO
 MANATEE
 FL 34221 - USA

SHEET TITLE

PROFILE

SHEET NUMBER

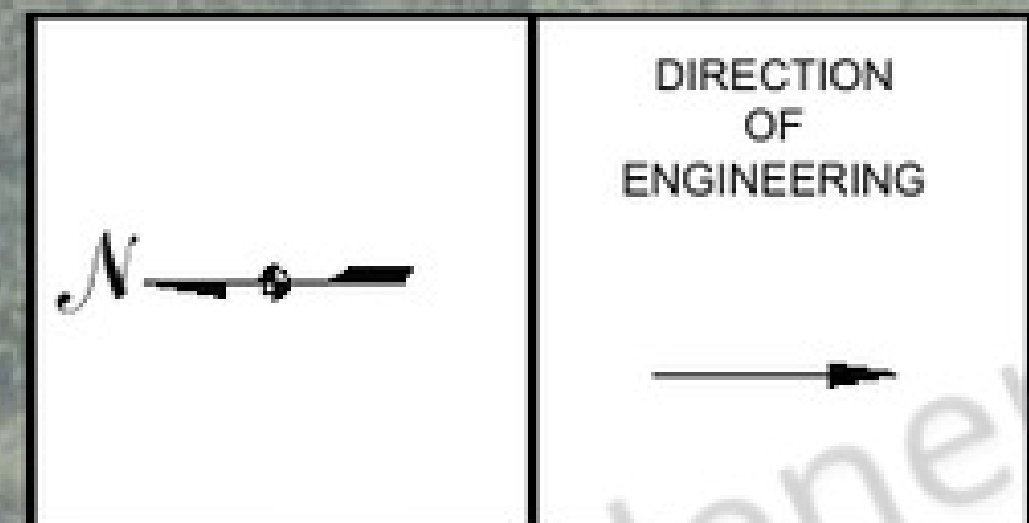
PROFILE

SCALE:
1" = 50'

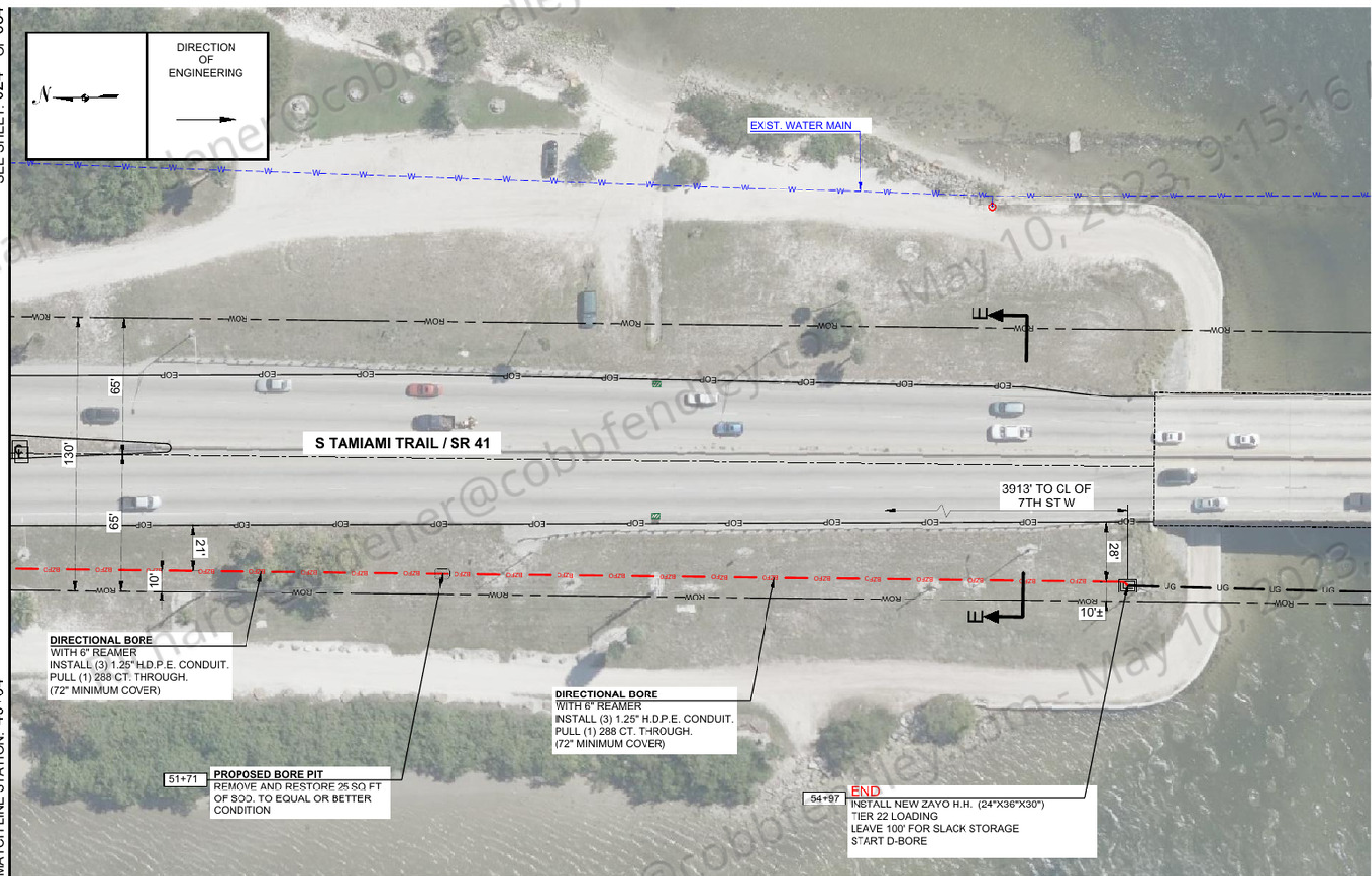
025

025 OF 034

SEE SHEET: 024 OF 034



MATCH LINE STATION: 49+64



DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

DIRECTIONAL BORE
WITH 6" REAMER
INSTALL (3) 1.25" H.D.P.E. CONDUIT.
PULL (1) 288 CT. THROUGH.
(72" MINIMUM COVER)

51+71 PROPOSED BORE PIT
REMOVE AND RESTORE 25 SQ FT
OF SOD. TO EQUAL OR BETTER
CONDITION

54+97 END
INSTALL NEW ZAYO H.H. (24"X36"X30")
TIER 22 LOADING
LEAVE 100' FOR SLACK STORAGE
START D-BORE

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NO.	DATE	DESCRIPTION	BY	
			NO.	DATE

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

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BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
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SHEET TITLE

PLAN

SHEET NUMBER

PLAN

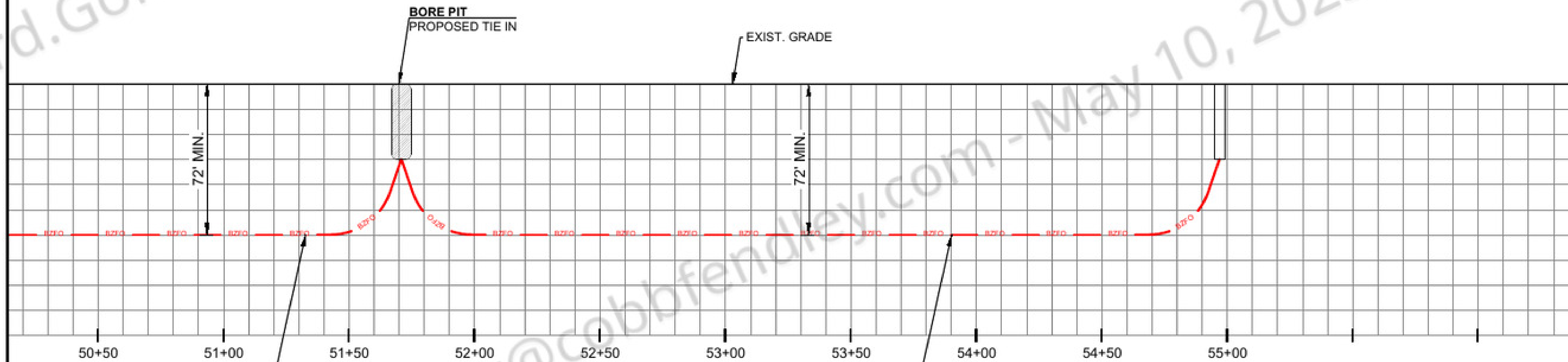
SCALE:
1" = 50'

026

026 OF 034

SEE SHEET: 025 OF 034

MATCH LINE STATION: 49+64



DIRECTIONAL BORE WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

DIRECTIONAL BORE WITH 6" REAMER
 INSTALL (3) 1.25" H.D.P.E. CONDUIT.
 PULL (1) 288 CT. THROUGH.
 (72" MINIMUM COVER)

PROPOSED BORE PIT
 51+71

EXISTING ZAYO H.H.
 LEAVE 100' COIL
 54+97

HORIZONTAL SCALE 1"=50'
 VERTICAL SCALE 1"=5'

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REVISIONS NO.	DATE	DESCRIPTION	BY																	
			1	2	3	4	5	6	7	8	9	10								

DRAWN BY: A.C.C./R.R.
 CHECKED BY: MARK MALLWITZ
 DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

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BUSINESS UNIT NUMBER

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SHEET TITLE

PROFILE

SHEET NUMBER

PROFILE

SCALE: 1"=50' 027

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SPACE RESERVED FOR PROFESSIONAL SEAL

REVISIONS	NO.	DATE	DESCRIPTION	BY	
				DATE	DESCRIPTION

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FD0T_2

BUSINESS UNIT NUMBER

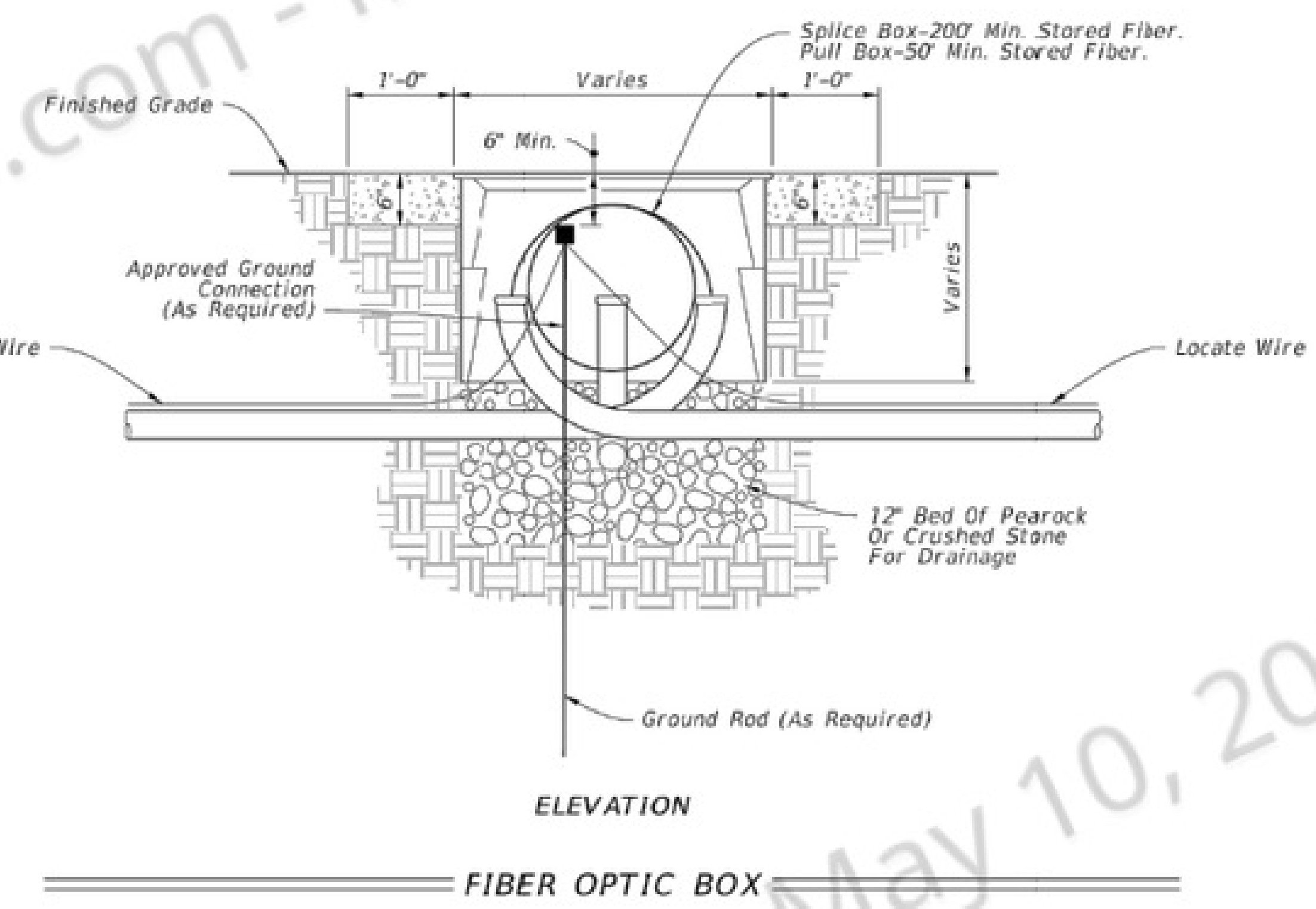
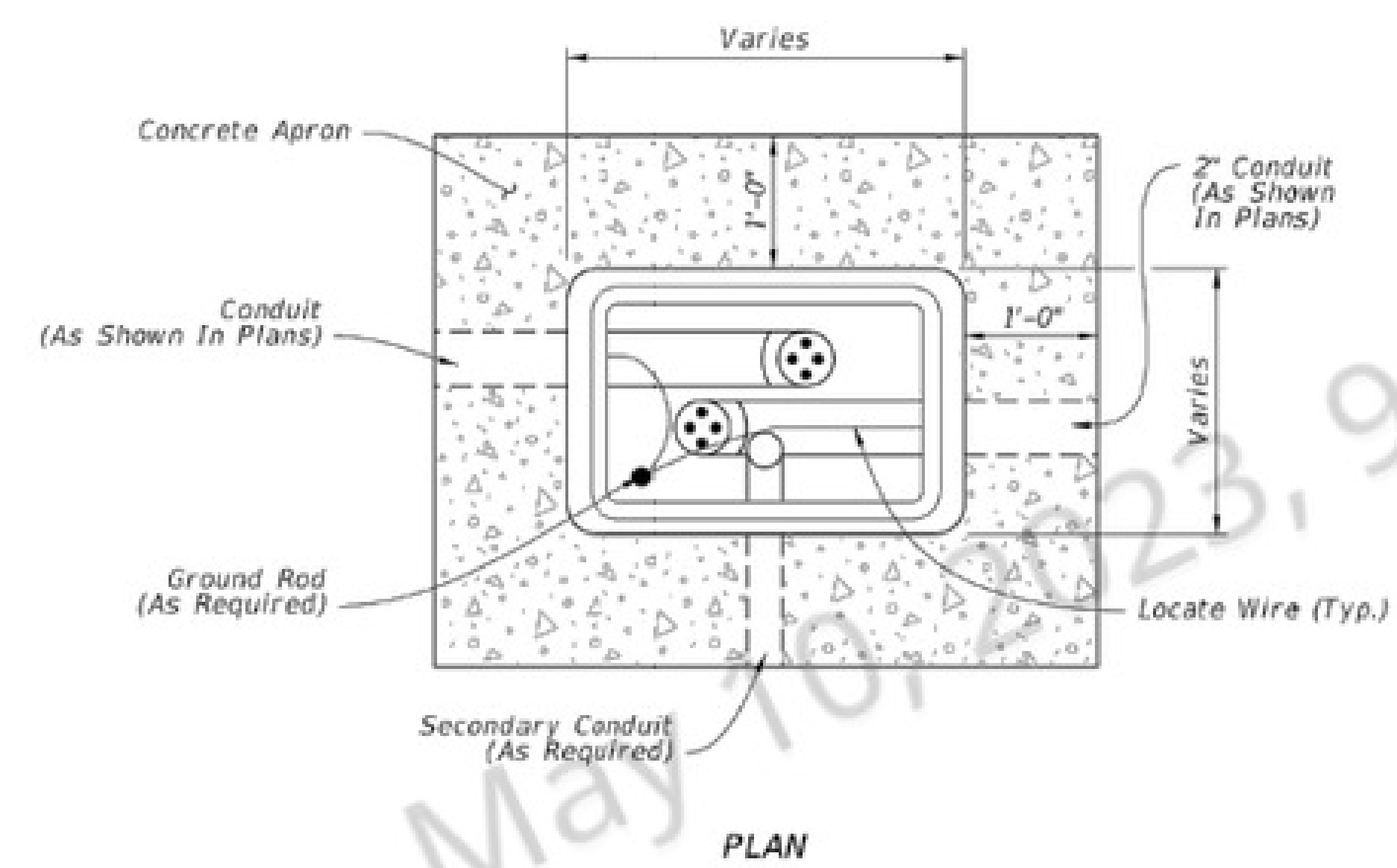
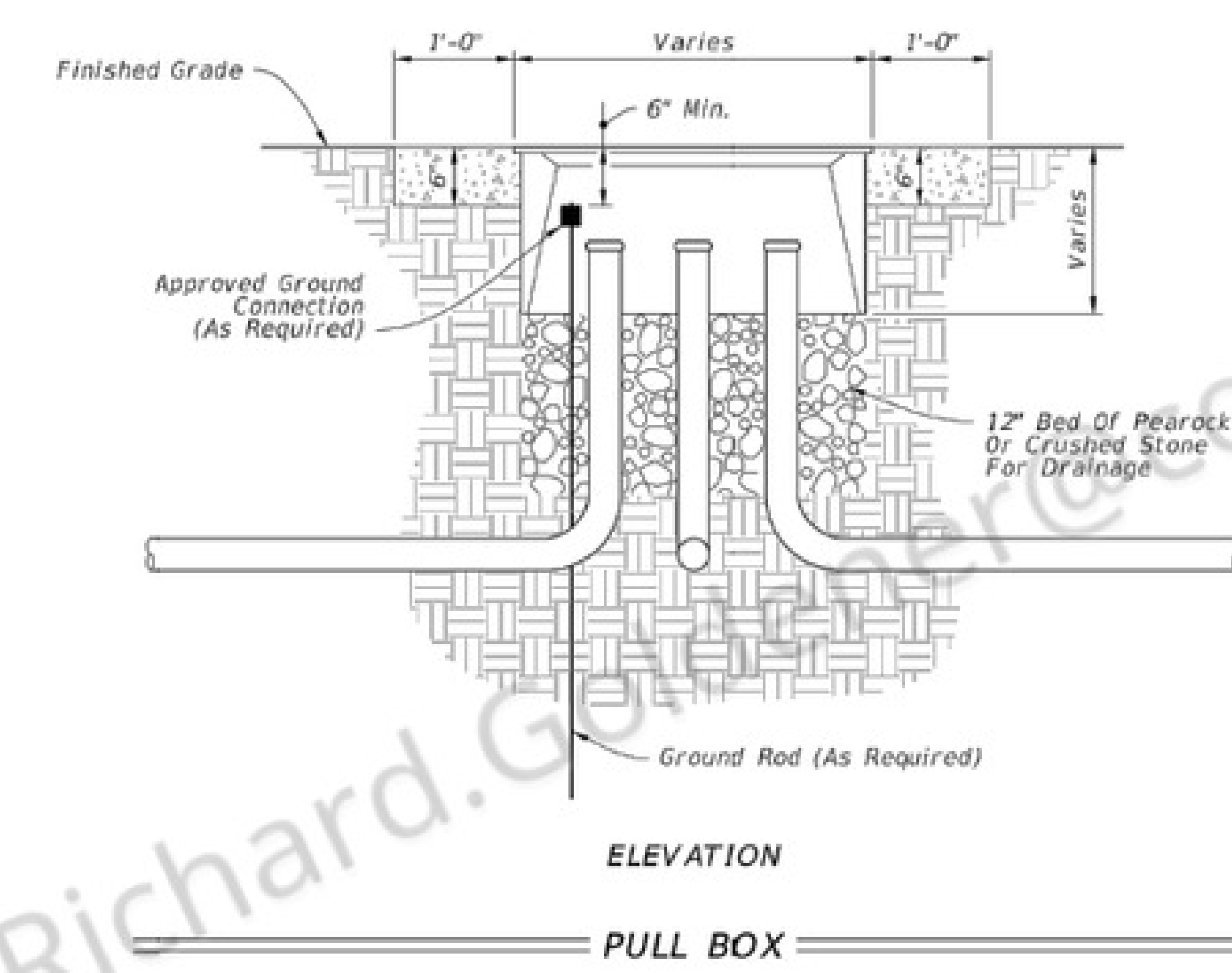
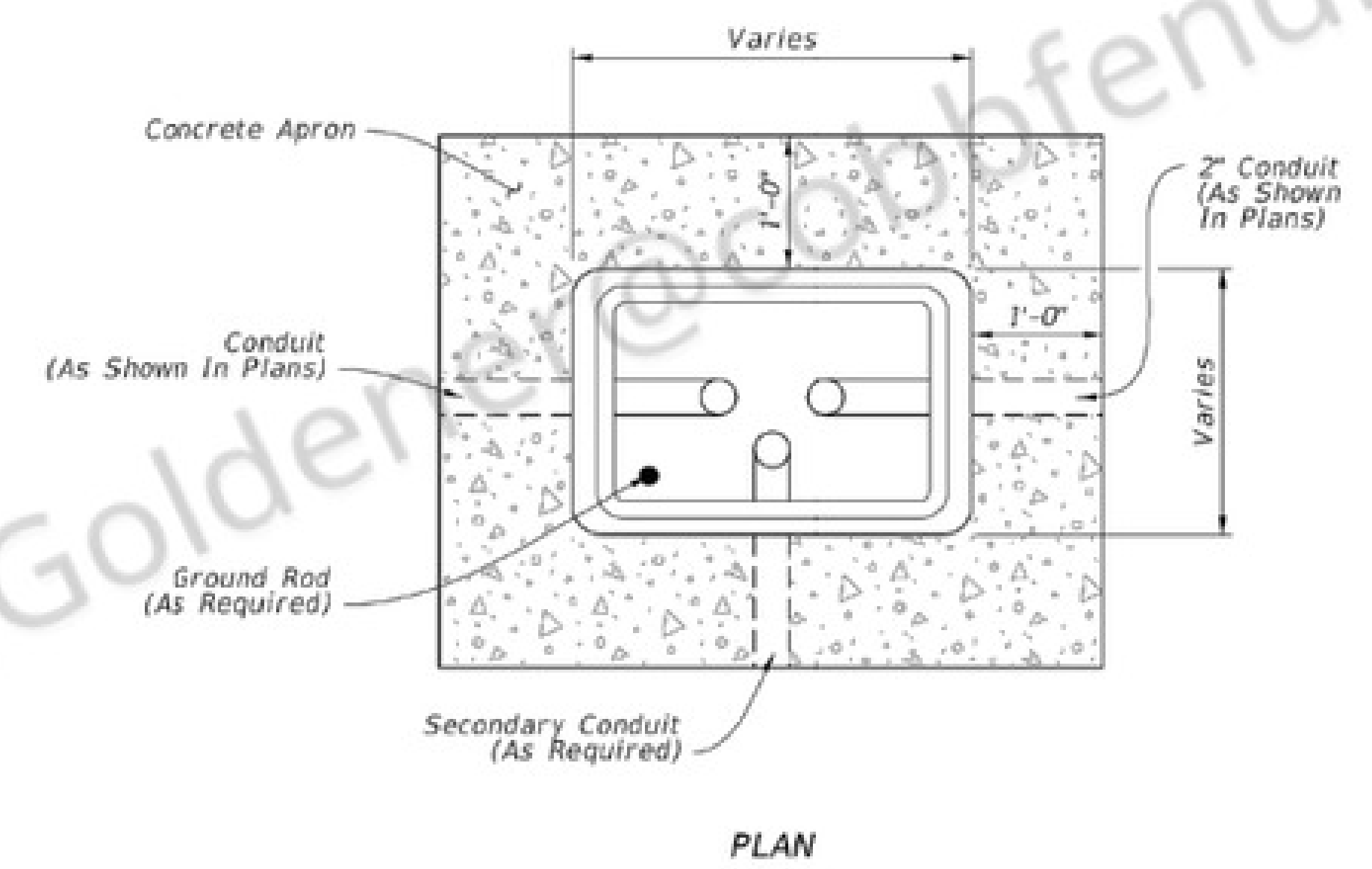
SITE ADDRESS

10 TH ST E
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FL 34221 - USA

SHEET TITLE

SPLICE DETAIL

SHEET NUMBER



- NOTES:**
1. Provide fiber optic splice boxes with cable hanger racks designed to support cables and splice enclosures.
 2. Install a 1'-0" wide (Min.) concrete apron around all boxes using Class NS concrete. Slope the apron away from the box.
 3. Where multiple pull boxes are placed side by side, maintain at least 8" between the pull boxes.
 4. Rectangular boxes shown, others similar.

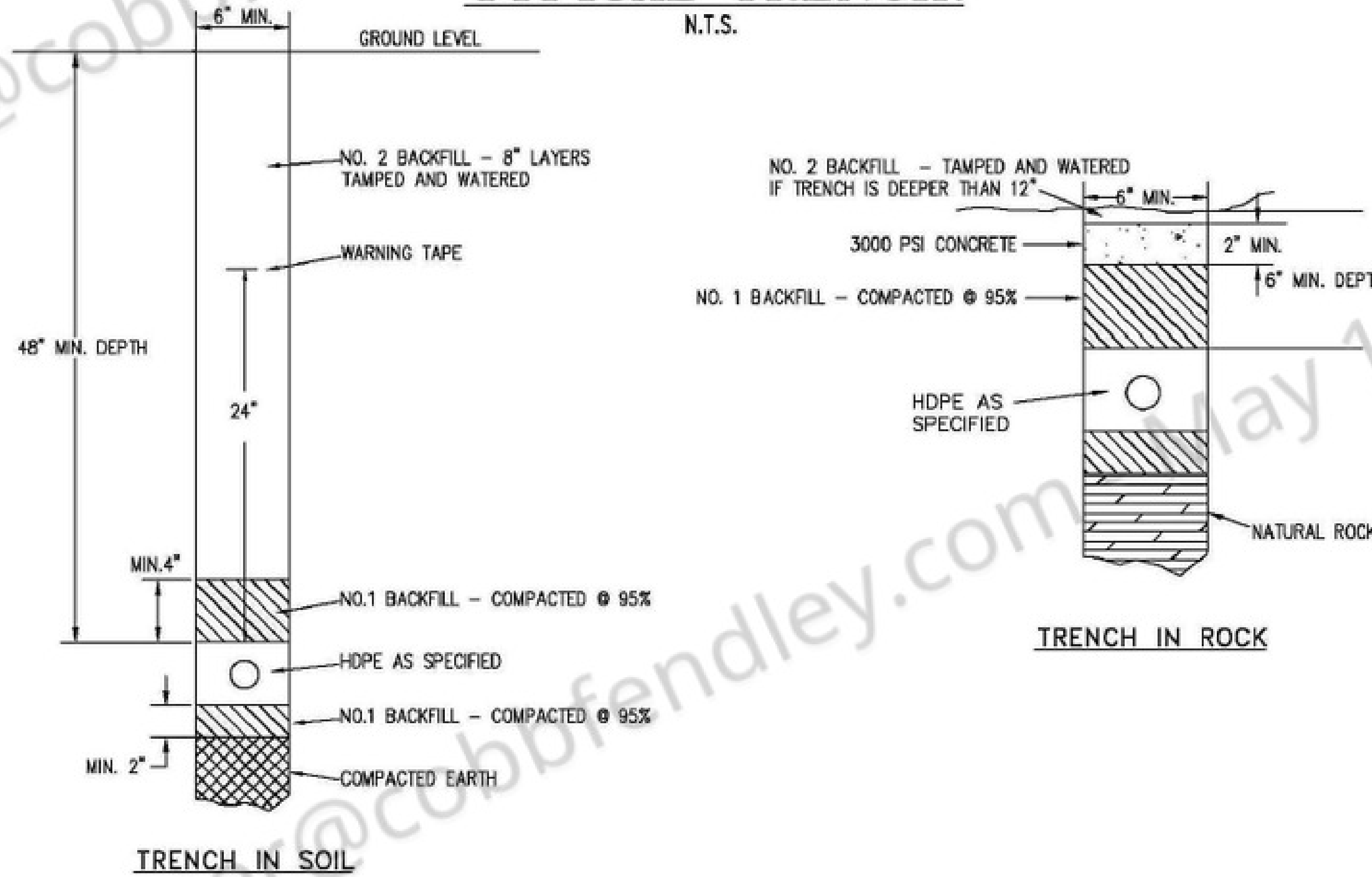
LAST REVISION 11/01/18	DESCRIPTION:	FDOT	FY 2020-21 STANDARD PLANS	PULL AND SPLICE BOXES	INDEX 635-001	SHEET 1 of 1
---------------------------	--------------	------	------------------------------	-----------------------	------------------	-----------------

PULL AND SPLICE BOX DETAIL

SCALE: N.T.S. 028

028 OF 034

TYPICAL TRENCH:



CONSTRUCTION NOTES:

1. NO. 1 BACKFILL WILL BE CLEAN NATURAL SAND WHICH IS FREE OF DEBRIS AND HAS BEEN SIEVED THROUGH A NO. 16 SEIVE. PULVERIZED CLAY WILL NOT BE USED.
2. NO. 2 BACKFILL WILL BE EARTH WHICH IS FREE FROM DEBRIS, CINDERS AND ROCKS MEASURING 4 INCHES, (10CM), OR GREATER ACROSS THEIR LARGEST DIMENSION.
3. A WATERPROOF SEALING PLUG WILL BE AROUND THE FIBER OPTIC CABLE TO SEAL THE OPENING IN THE CONDUIT.
4. A MINIMUM OF 6" OF NO.1 BACKFILL SHALL COVER THE CONDUIT IN THE AREAS OF HANDHOLE EXCAVATION. THIS COVER WILL TRANSITION TO 4" AROUND TRENCHING EXCAVATION.

CONSULTANT

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REVISIONS	NO.	DATE	DESCRIPTION	BY						
				1	2	3	4	5		

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CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

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SHEET TITLE

TYPICAL DETAIL

SHEET NUMBER

CONSULTANT

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MANATEE
FL 34221 - USA

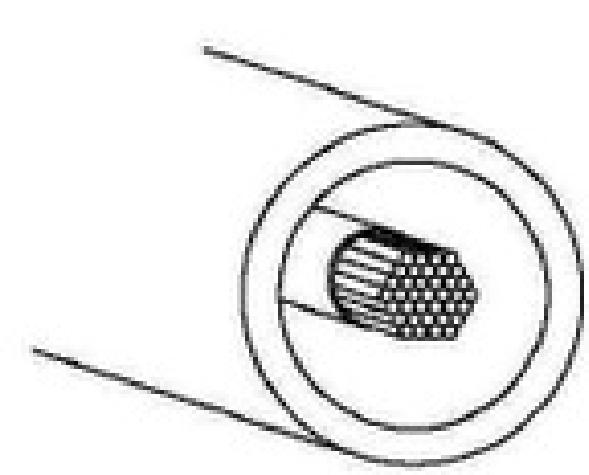
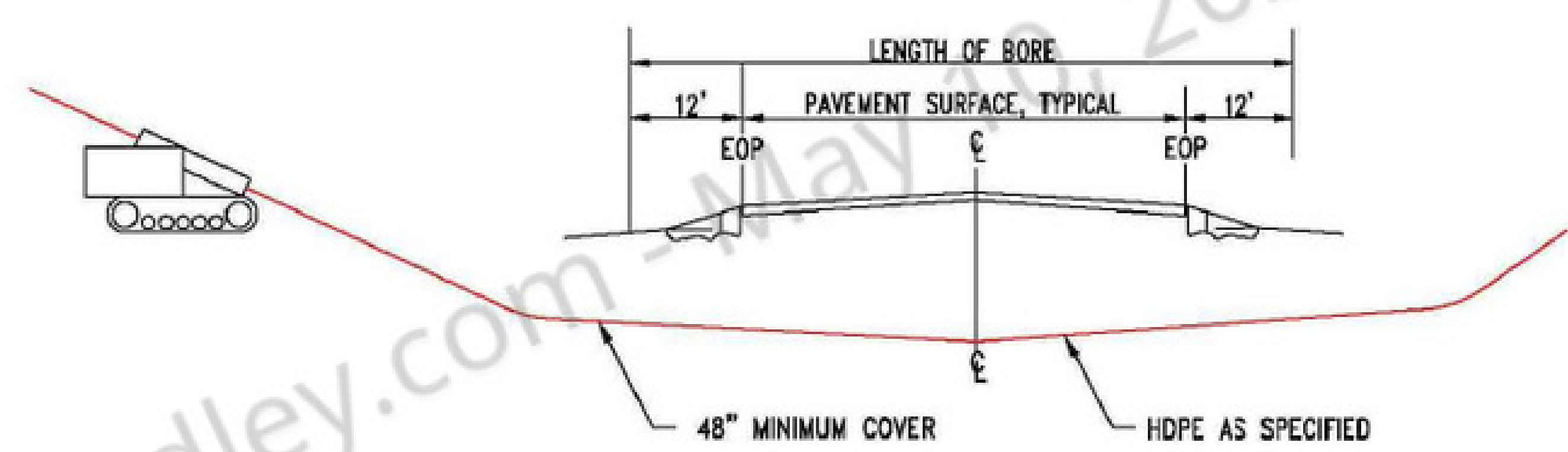
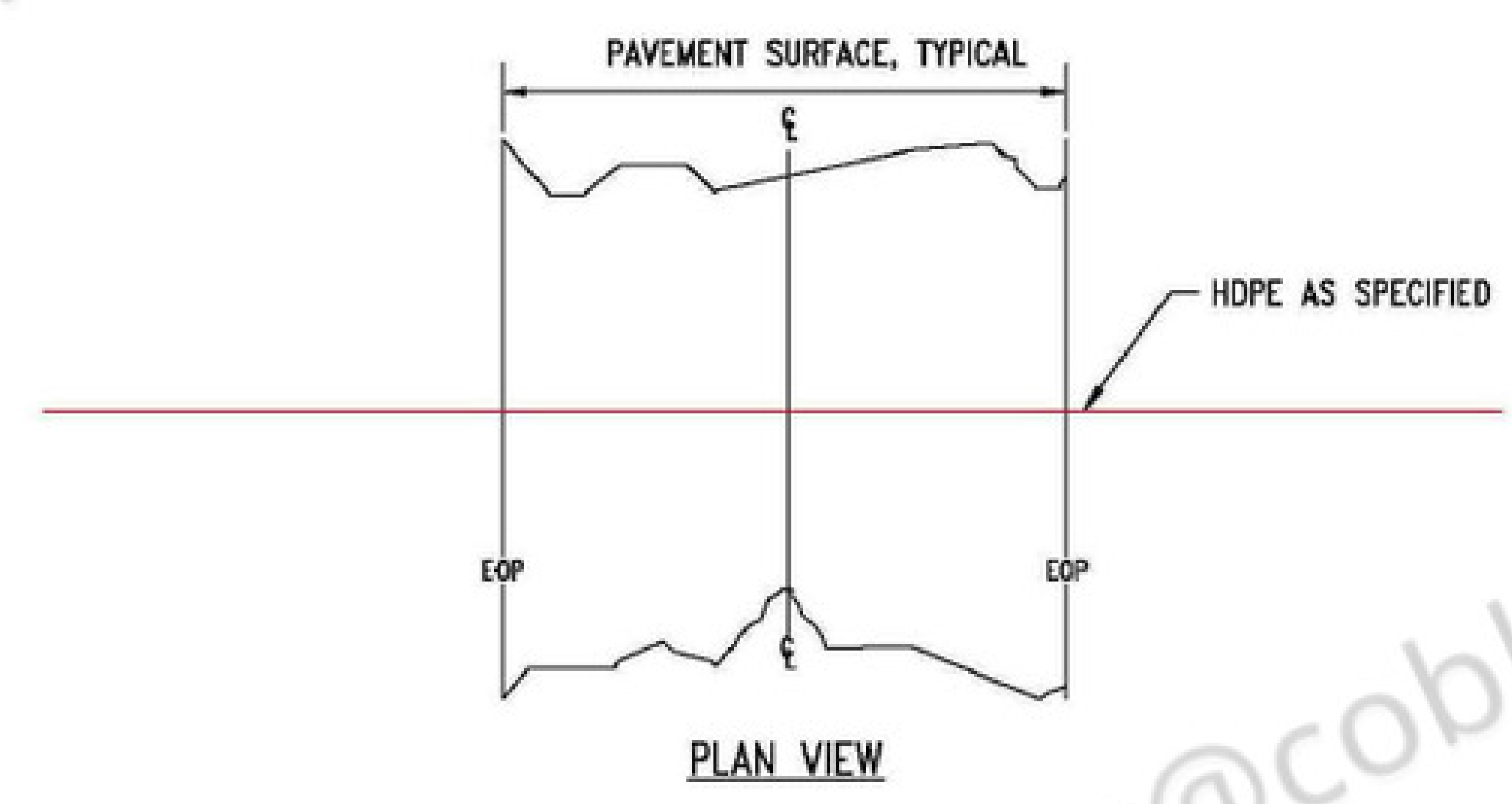
SHEET TITLE

TYPICAL DETAIL

SHEET NUMBER

TYPICAL BORE:

N.T.S.



TYPICAL CONDUIT REQUIREMENTS
COUNT FIBER AS SPECIFIED

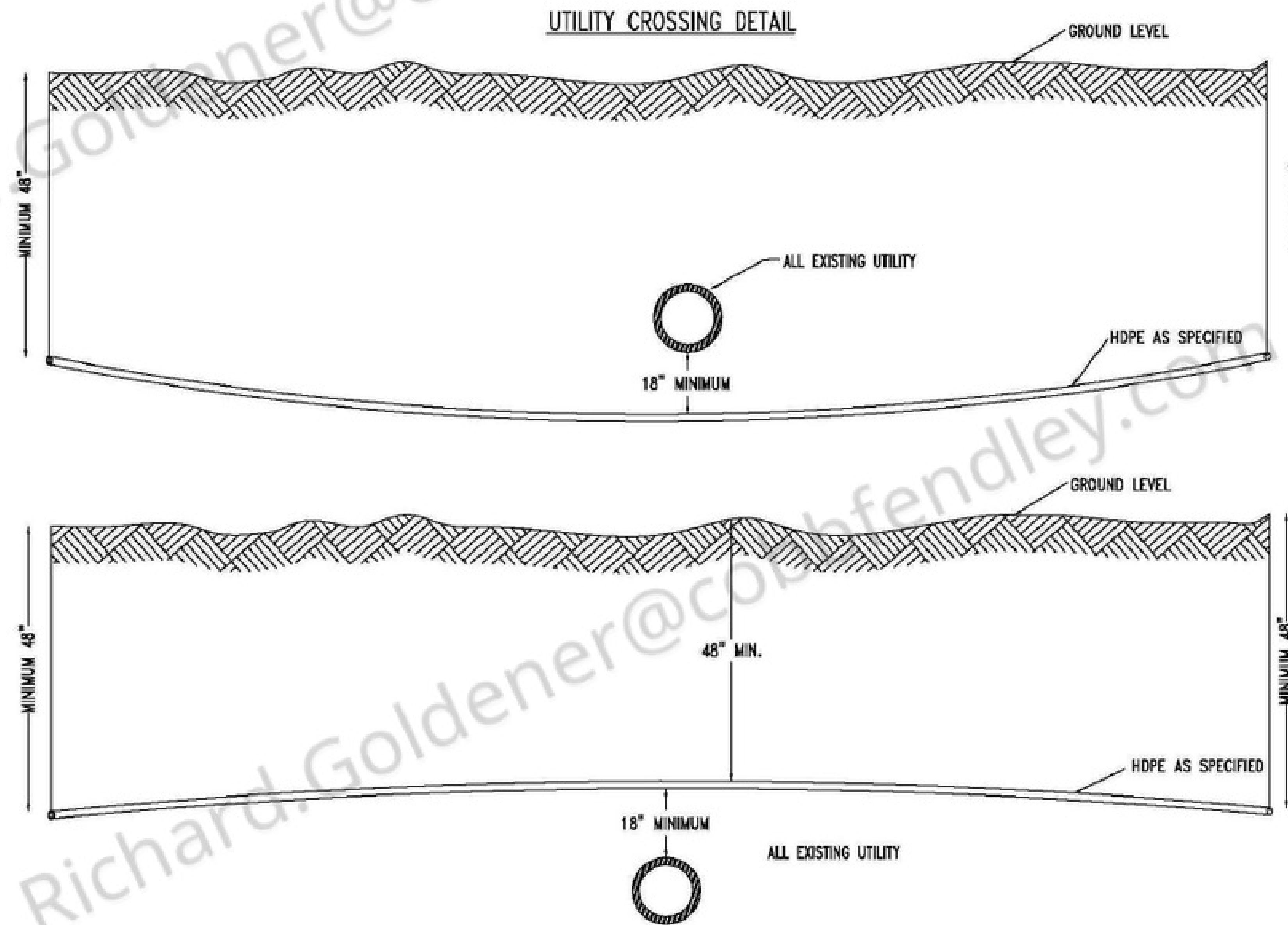
BORE DETAIL

SCALE: N.T.S. 030

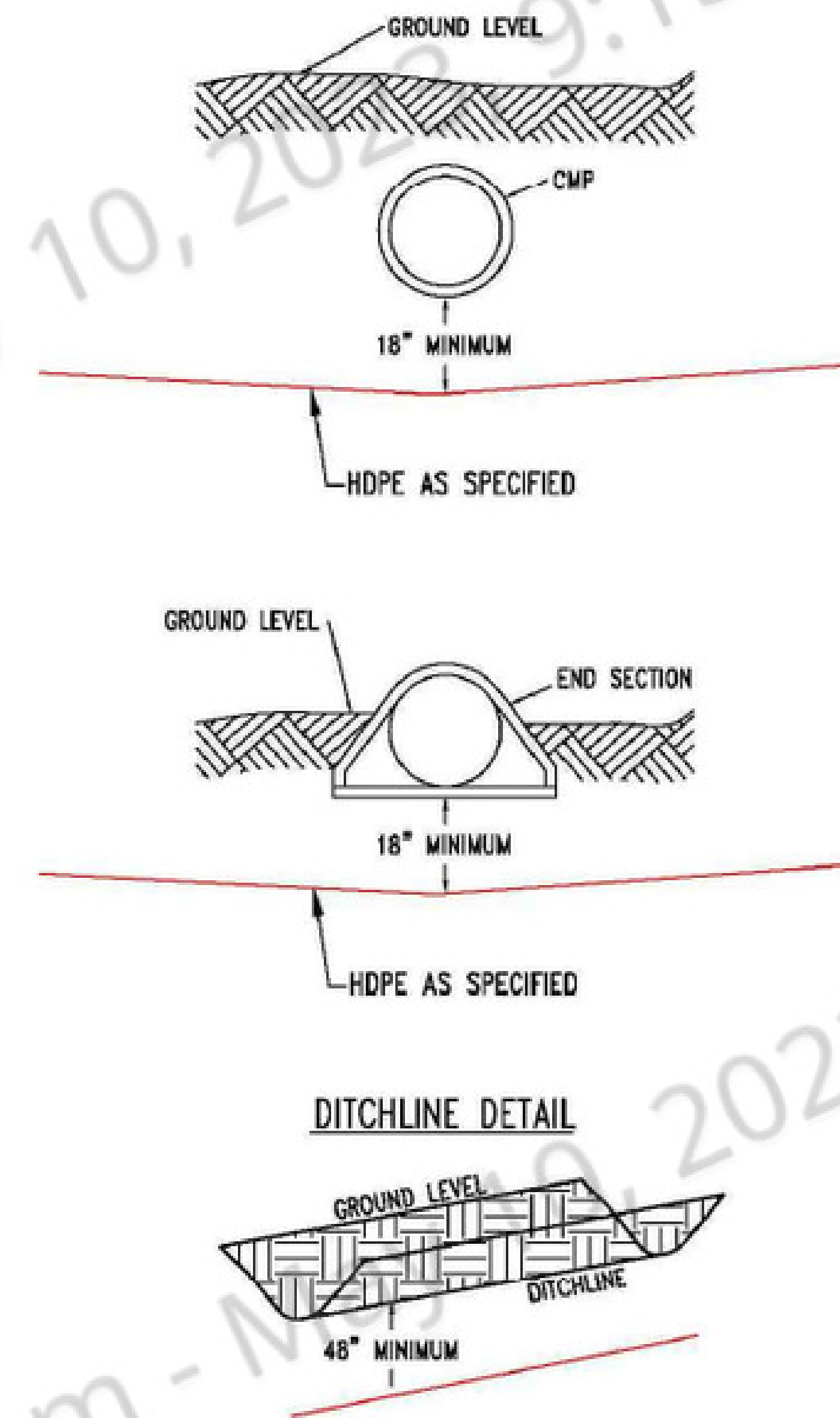
030 OF 034

TYPICAL UTILITY CROSSING:

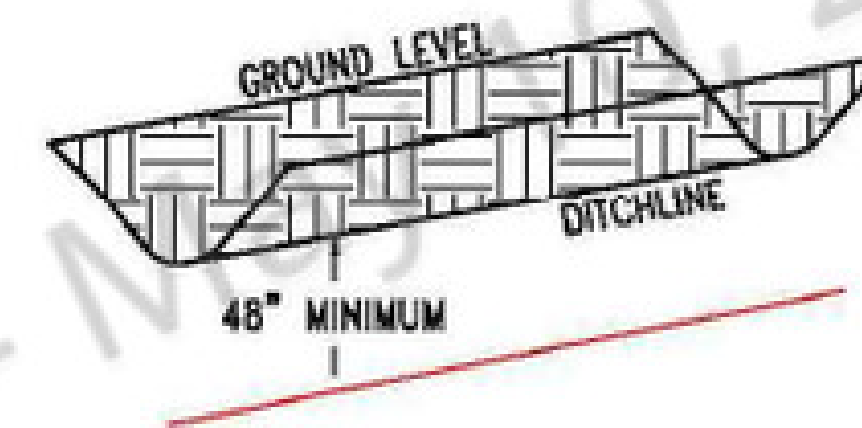
N.T.S.



UTILITY CROSSING DETAIL STORM CULVERTS



DITCHLINE DETAIL



NOTES:

1. A MINIMUM OF 18" SEPARATION IS REQUIRED BY OTHER UTILITY COMPANIES.
2. UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER, GAS, SEWER AND POWER.



Alpine Communication Corp.
595 N. Nova Rd., Suite 208
Ormond Bch., FL 32174
(386) 615-3316

PERMITEE



4701 W
HILLSBOROUGH AVE
TAMPA, FL 33614

REVISIONS	NO.	DATE	DESCRIPTION	BY						
				1	2	3	4	5		

DRAWN BY: A.C.C./R.R.
CHECKED BY: MARK MALLWITZ
DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

SITE ADDRESS

10 TH ST E
PALMETTO
MANATEE
FL 34221 - USA

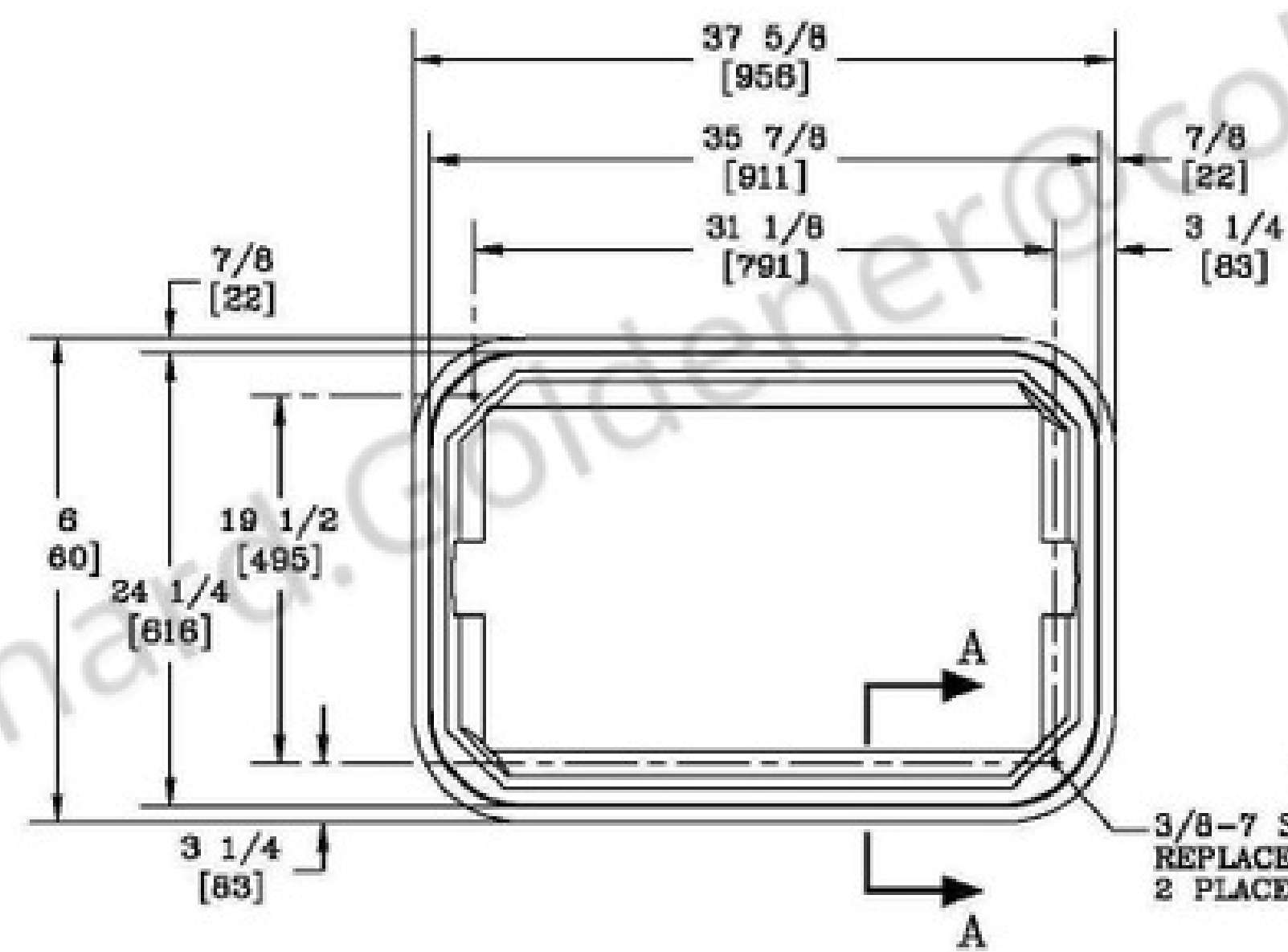
SHEET TITLE

TYPICAL DETAIL

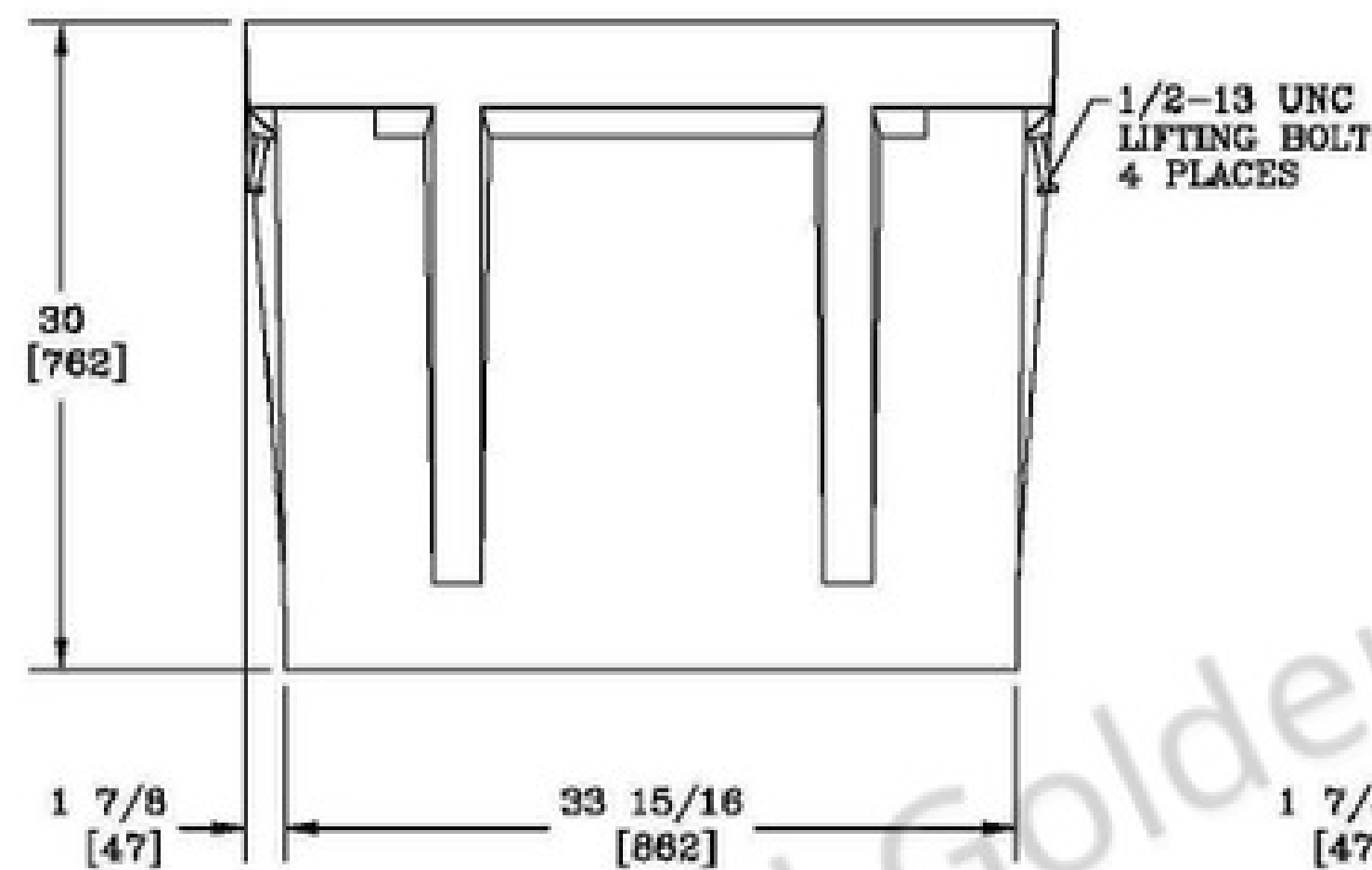
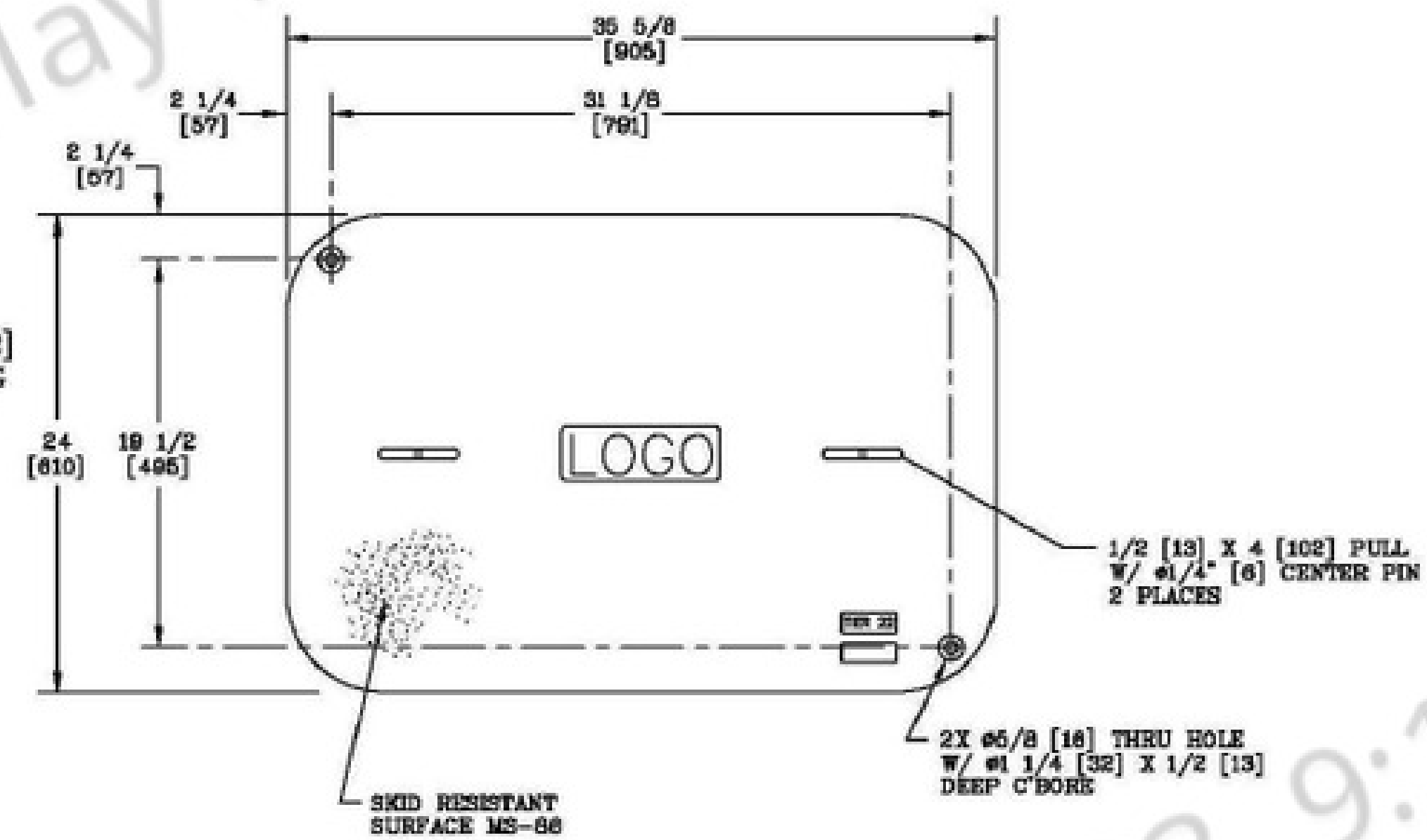
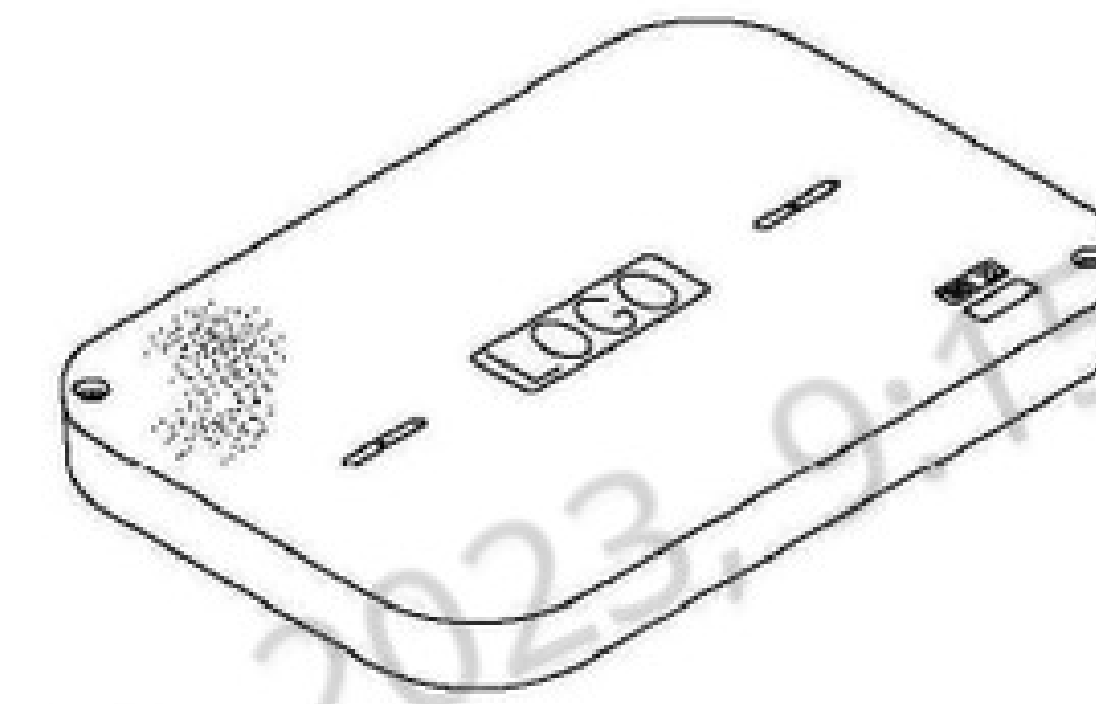
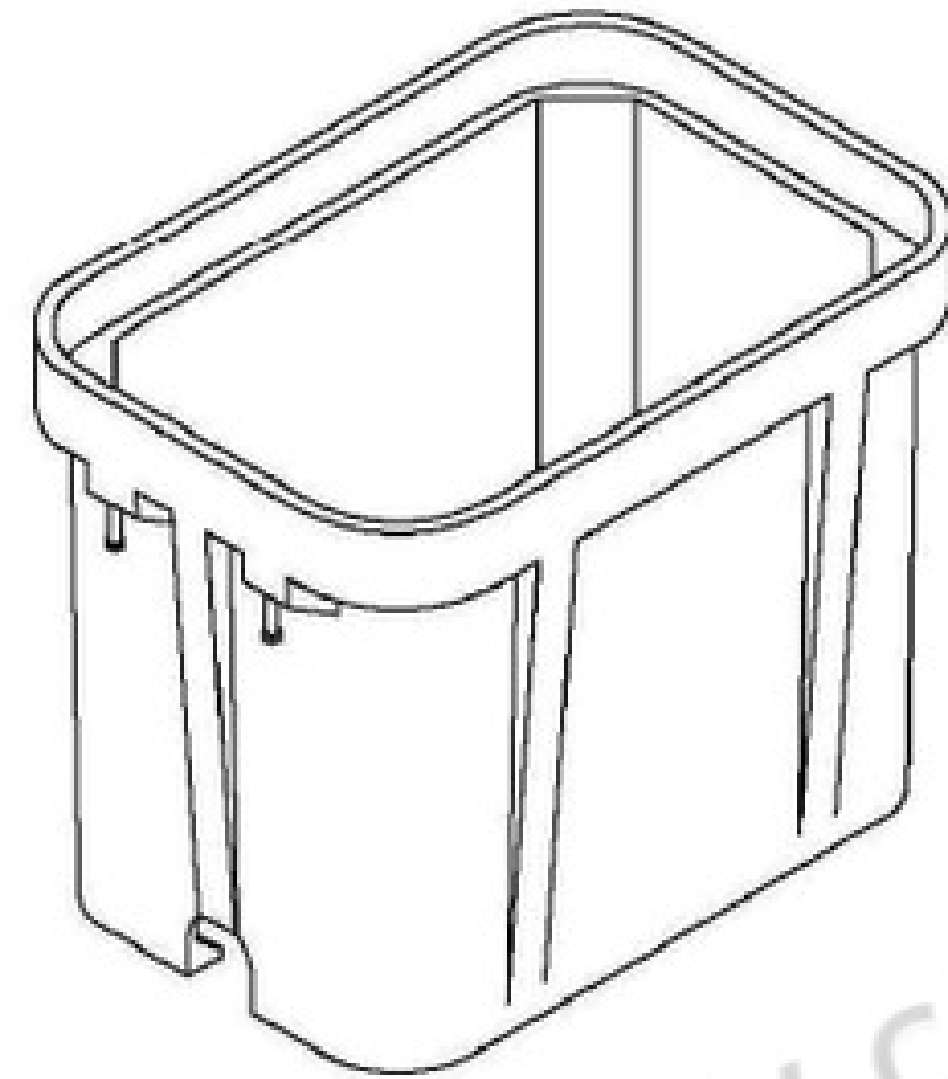
SHEET NUMBER

24" X 36" X 30" HANDHOLE DETAIL

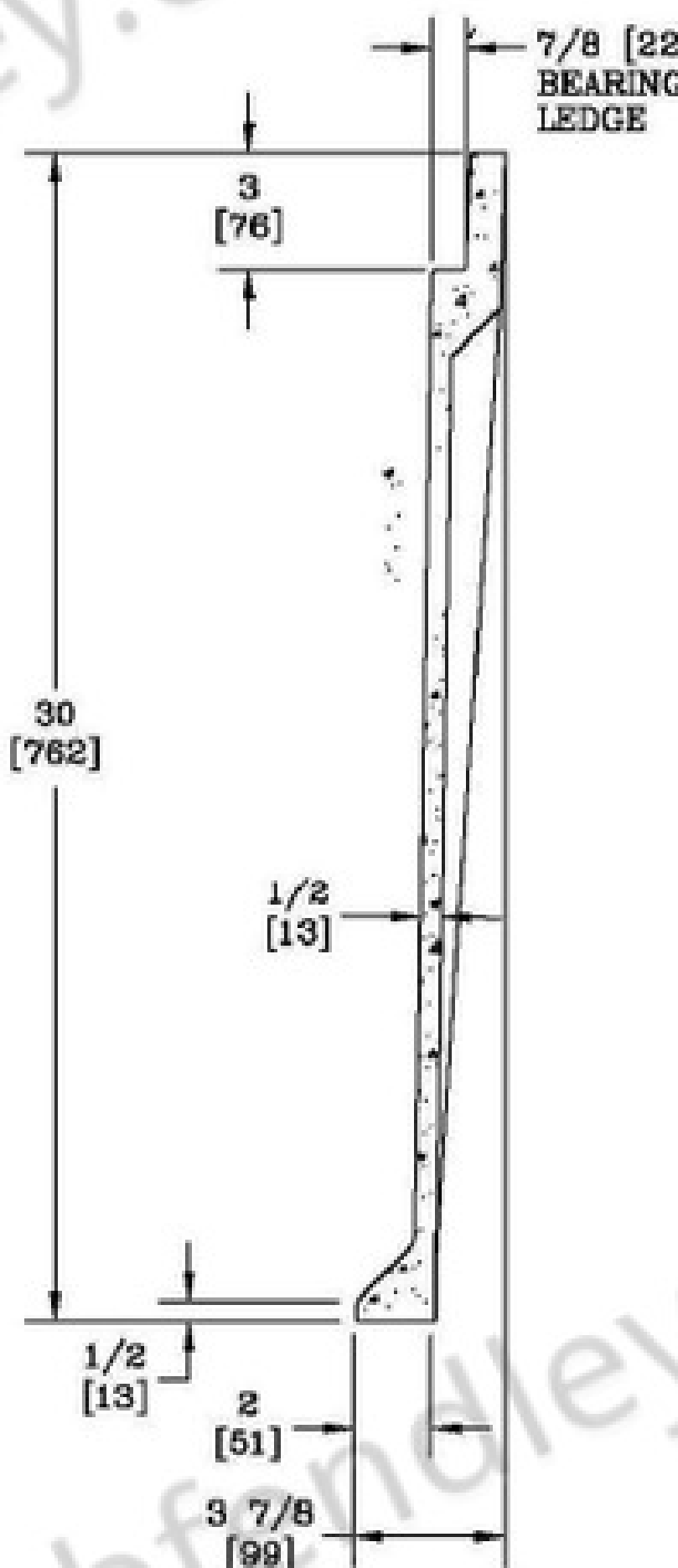
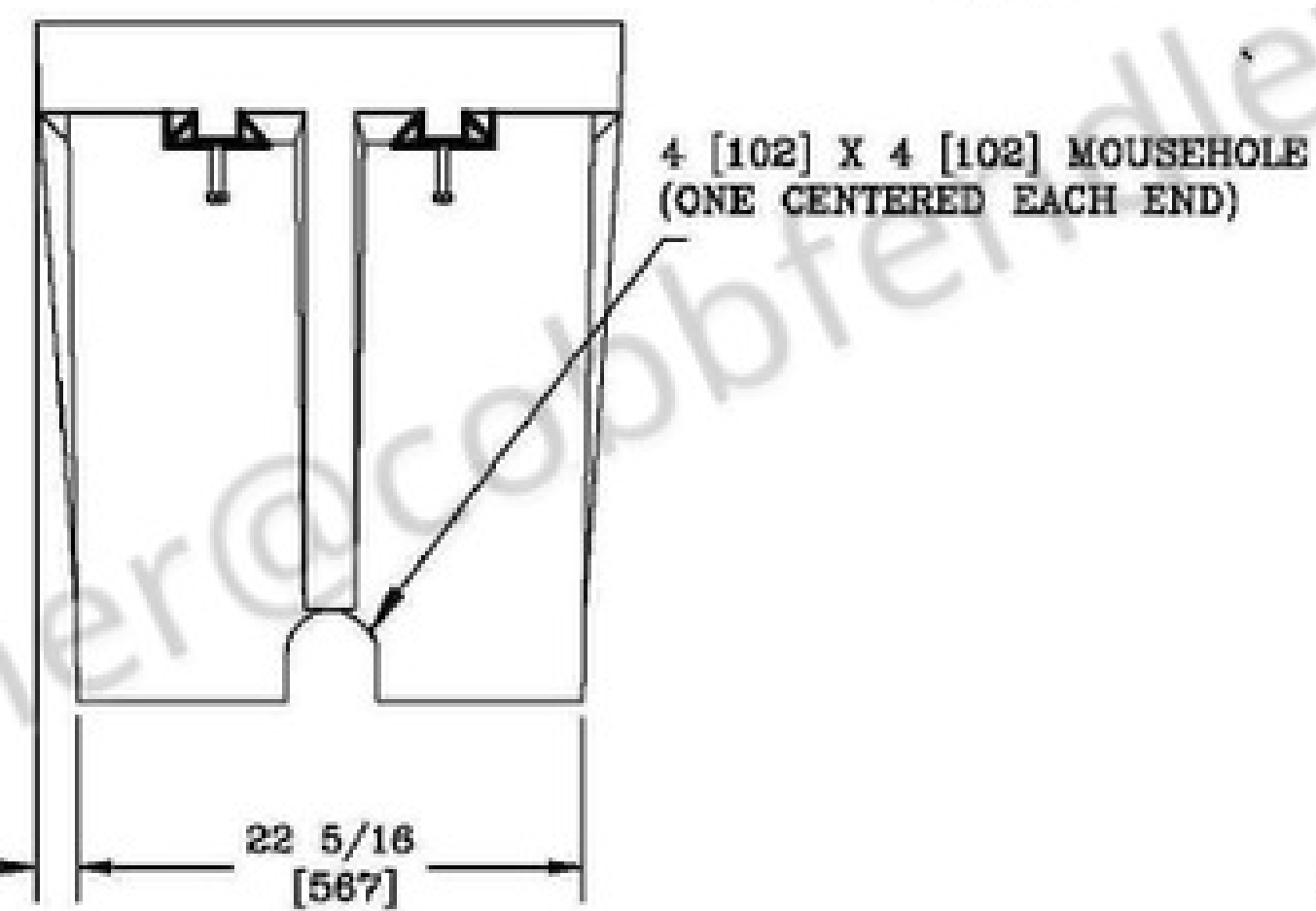
N.T.S.



IF ALIGNING,
USE S.S. EZ-NUT
3/8-7 SEC.
REPLACEABLE
2 PLACES



1/2-13 UNC
LIFTING BOLT
4 PLACES



NOTES:

1. THIS BOX IS TO BE USED AS THE BOTTOM UNIT WHEN USED IN AN ASSEMBLY.
2. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

NOTES:

1. LOGO TO BE SPECIFIED: _____
2. THIS COVER IS RATED FOR A STATIC DESIGN LOAD OF 22,500 LBS. [100,085 N] OVER A 10 [254] X 20 [508] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 33,750 LBS. [150,128 N].
3. FURNISHED W/ (2) 3/8-7 X 4 [102] LONG HEX HEAD AUGER BOLTS, AND (2) #3/8 [10] WASHERS.
4. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

CONSULTANT

 Alpine Communication Corp.
 595 N. Nova Rd., Suite 208
 Ormond Bch., FL 32174
 (386) 615-3316

PERMITEE

 4701 W
 HILLSBOROUGH AVE
 TAMPA, FL 33614

SPACE RESERVED FOR PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY	
			NO.	DATE

DRAWN BY: A.C.C./R.R.
 CHECKED BY: MARK MALLWITZ
 DRAWING DATE: 6/24/2021

SITE NUMBER

SITE NAME

JL_SARASOTA_BB_023_FDOT_2

BUSINESS UNIT NUMBER

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10 TH ST E
 PALMETTO
 MANATEE
 FL 34221 - USA

SHEET TITLE

TYPICAL DETAIL

SHEET NUMBER

SCALE:
 N.T.S. 032

032 OF 034

