



## COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM REQUEST FORM

The Board of County Commissioners meets the 1st and 3rd Thursday of each month in the Columbia County School Board Administrative Complex Auditorium, 372 West Duval Street, Lake City, Florida 32055. The first meeting of every month is at 9:30AM while the second meeting of every month takes place at 5:30PM. All agenda items are due in the Board's office one week prior to the meeting date.

Today's Date: 9/11/2025 Meeting Date: 9/18/2025

Department: Public Works

**1. Nature and purpose of agenda item:**

Utility permit from Comcast to install a cable on SW Mount Carmel.

**2. Recommended Motion/Action:**

Approve

**3. Fiscal impact on current budget.**

This item has no effect on the current budget.

**COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS  
UTILITY PERMIT**

Date: 8/25/25 Permit No. 250104 County Road SW MOUNT CARMEL AVE Section No. \_\_\_\_\_

Permittee WANRack

Address 4550 W 109th St, Overland Park, KS 66211 Telephone Number 301-752-6692

Requesting permission from Columbia County, Florida, hereinafter called the County, to contract, operate and maintain UNDERGROUND PLACEMENT OF (7) 24"X36"X30" HH, (1) 2" HDPE DUCT WITH 24CT FOC. ALONG SW MOUNT CARMEL AVE FOR APPROX. 6,079'.

FROM: PINEMOUNT RD/CR-252 TO: SW TROY ST.

Submitted for the Utility Owner by: Carrie Namias - KCI Technologies **Carrie Namias**  
Digitally signed by Carrie Namias  
 DN: cn=Carrie Namias, o=KCI Technologies, ou,  
 email=Carrie.Namias-CW@kci.com, c=US  
 Date: 2025.08.25 09:33:50 -0400  
 Typed Name & Title Signature Date

1. Permittee declares that prior to filing this application it has determined the location of all existing utilities, both aerial and underground and the accurate locations are shown on the plans attached hereto and made a part of this application. Proposed work is within corporate limits of Municipality: YES (  ) NO (  ). If YES: LAKE CITY (  ) FORT WHITE (  ). A letter of notification was mailed on 6/26/25 to the following utility owner: AT & T, CITY OF LAKE CITY UTILS, CLAY ELECTRIC LAKE CITY DISTRICT, FLORIDA POWER & LIGHT- COLUMBIA.

2. The Columbia County Public Works Director shall be notified twenty-four (24) hours prior to starting work and again immediately upon completion of work. The Public Works Director is Kevin Kirby located at 607 NW Quinten St. Lake City, FL 32025 Telephone Number 386-758-1019. The PERMITTEE's employee responsible for Maintenance of Traffic is Ryan Hook Telephone Number (240) 346-9956 (This name may be provided at the time of the 24 hour notice to starting work.)

3. This PERMITTEE shall commence actual construction in good faith within 60 days after issuance of permit, and shall be completed within 20 days after permitted work has begun. If the beginning date is more than 60 days from date of permit approval, then PERMITTEE must review the permit with the Columbia County Public Works Director to make sure no changes have occurred in the transportation facility that would affect the permitted construction.

4. The construction and maintenance of such utility shall not interfere with the property and rights of a prior PERMITTEE.

5. It is expressly stipulated that this permit is a license for permissive use only and that the placing of utilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder.

6. Pursuant to Section 337-403(1), Florida Statutes, whenever necessary for the construction, repair, improvement, maintenance, safe and efficient operation, alteration or relocation of all, or any portion of said transportation facility as determined by the Columbia County Public Works Director and/or County Engineer, any or all utilities and appurtenances authorized hereunder, shall be immediately removed from said transportation facility or reset or

relocated thereon as required by the Columbia County Public Works Director and/or County Engineer and at the expense of the PERMITTEE.

7. In case of non-compliance with the County's requirements in effect as of the approval date of this permit, this permit void and the facility will have to be brought into compliance or removed from the right of way at no cost to the County.

8. It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the County's right, title and interest in the land to be entered upon and used by the PERMITTEE, and the PERMITTEE will, at all times, and to the extent permitted by law, assume all risk of and indemnify, defend, and save harmless Columbia County, Florida from any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercise by said PERMITTEE of the aforesaid right and privileges.

9. During construction, all safety regulations of the County shall be observed and the PERMITTEE must take measures, including pacing and the display of safety devices that may be necessary in order to safely conduct the public through the project area in accordance with the Federal Manual on Uniform Traffic Control Devices, as amended for highways.

10. Should the PERMITTEE be desirous of keeping its utilities in place and out of service, the PERMITTEE, by execution of this permit acknowledges its present and continuing ownership of its utilities located between PINEMOUNT RD/CR-252 and SW TROY ST. within the County's right of way as set forth above. PERMITTEE, as its sole expense, shall promptly remove said out of service utilities whenever Columbia County Public Works Director and/or County Engineer determines said removal is in the public interest.

11. Special instructions: Minimum cover of thirty inches (30") will be required at all locations. Columbia County will not be financially responsible for any damage to facilities with less than thirty inches (30") cover. Cables shall not be located within driveway ditches.

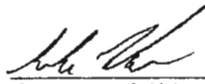
12. Additional Stipulations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

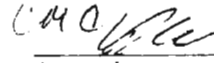
\* Contact Ken Sweet (386) 466-8037 or Garrett Beach (386) 243-1388 before start of work onsite.

It is understood and agreed that commencement by the PERMITTEE is acknowledgment and acceptance of the binding nature of these specialist instructions.

Submitted By: WANRack, LLC  
Permittee

Place Corporate Seal

  
Signature and Title  
Caulan Brooks,  
GIS Design Team Manager

  
Attested  
Cole Campbell,  
Designer



# 00001927\_012 COL\_CR\_MountCarmelAve\_UG\_1



DATE:	DESCRIPTION:	BY:
7/24/2018	PRELIMINARY DESIGN	

CONSTRUCTION FIRM	
MANAGER	#
PHONE	#

  
**KCI**  
 KCI TECHNICAL SERVICES, INC.  
 150 KELSEY LN  
 TAMPA, FL 33619  
 TEL 813 740 2300  
 FAX 813 740 1539  
 www.kci.com



COLUMBIA COUNTY SCHOOLS PROJECT			
COL_CR_MOUNTCARMELAVE_UG_1			
00001927_012			
SHEET NAME	COL_CR_MOUNTCARMELAVE_UG_1	QUARTER	TURNER
TOWN/STATE	LAKE CITY, FL	COUNTY	COLUMBIA
		SHEET	1 OF 10

# LEGEND

OVERHEAD GUY			
PUSH BRACE			
POLE TO POLE GUY			
EXISTING ANCHOR & GUY			
PROPOSED ANCHOR & GUY			
ANCHOR ONLY			
FIRE HYDRANT (F-H)			
STREET LIGHT (SL)			
TRAFFIC LIGHT (TL)			
GAS VALVE (GV)			
WATER VALVEMETER			
RAILROAD XING SIGNAL			
RAILROAD SIGNAL			
MILE MARKER POST			
BRIDGE			
TREE			
BUSH			
TOP OF SLOPE			
TOE OF SLOPE			
DITCH LINE			
CATCH BASIN			
CULVERT			
CAUTION NOTE			
4"x10" BORE PIT			
		NORTH ARROW	
		JOINT USE POLE	
		GROUND POLE (MGNV)	
		TRANSFORMER ON POLE	
		POWER POLE	
		FIBER POLE RISER	
		SPLICE ENCLOSURE	
		FIBER ACCESS POINT (MHHHP/VAULT)	
		FIBER LOCATE PEDESTAL	
		FIBER MARKER PEDESTAL	
		CENTER TO CENTER FOOTAGE	
		SLACK SPAN	
		BUILDING TEXT	
		FIBER TERMINATION PANEL	
		NEW WANRACK AERIAL FOC (AWFO)	
		NEW WANRACK BURIED FOC (BWFO)	
		NEW WANRACK FIBER IN 3RD PARTY DUCT (WF3P)	
		EXISTING WANRACK BURIED FOC	
		EXISTING WANRACK AERIAL FOC	
		RAILROAD TRACKS	
		FENCE	
		GUARDRAIL	
		CENTERLINE	
		RIGHT-OF-WAY	
		CITY, COUNTY OR STATE BOUNDARY LINE	
		PROPERTY LINE	
		STEAM LINE	
		OIL LINE	
		UNDERGROUND GAS LINE	
		UNDERGROUND WATER LINE	
		UNDERGROUND ELECTRIC LINE	
		UNDERGROUND TELCOM LINE	
		UNDERGROUND CATV	
		UNDERGROUND SEWER LINE	
		UNDERGROUND STORM DRAIN LINE	
		UNDERGROUND UNKNOWN UTILITY	
		FACE OF CURB	
		EDGE OF PAVEMENT	



DATE	DESCRIPTIONS	BY
11/11/2011	PRELIMINARY DESIGN	R. TURNER

CONSTRUCTION FIRM

KCI TECHNOLOGIES INC.  
 TAMPA, FL 33619  
 TEL 813-746-2300  
 FAX 813-746-2358  
 WWW.KCI.COM

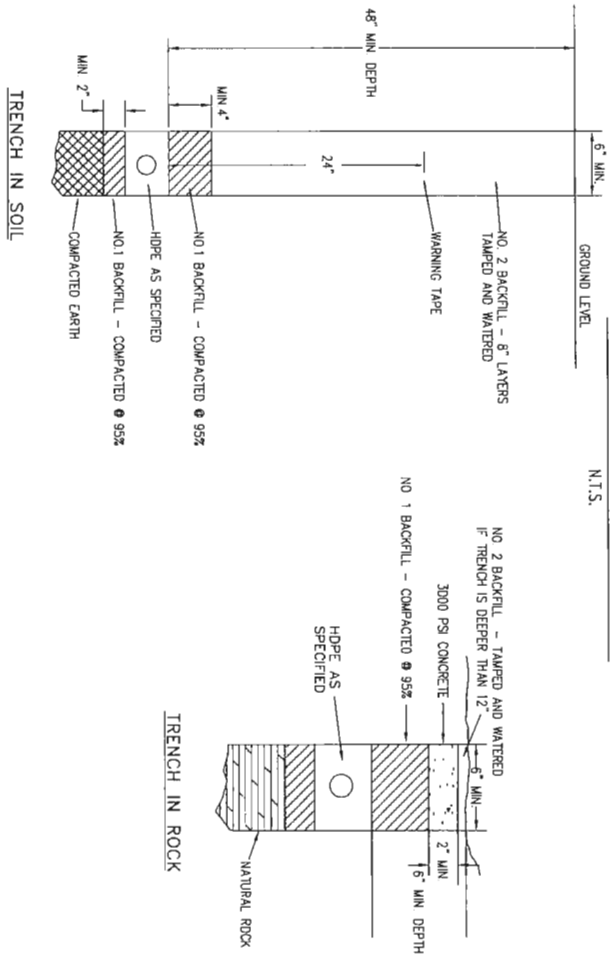


SHEET NAME	COL_CR_MOUNTCARMELAVE_UG_1	DRAWER	R. TURNER	REVISION	0
TOWN/STATE	LAKE CITY, FL	COUNTY	COLUMBIA	SHEET	13 OF 10
COLUMBIA COUNTY SCHOOLS PROJECT COL_CR_MOUNTCARMELAVE_UG_1 00001927_012					



# TYPICAL TRENCH:

N.T.S.



## 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 HAND-BOLE EXCAVATION. THIS COVER WILL TRANSITION TO 4" AROUND TRENCHING EXCAVATION.



DATE	DESCRIPTIONS	BY
	PRELIMINARY DESIGN	N. TURNER

CONSTRUCTION FIRM	
MANAGER	#
PHONE	#

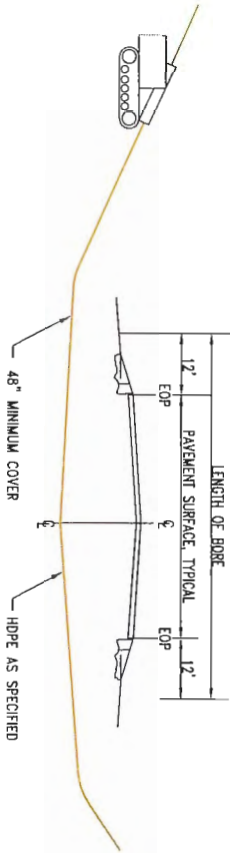
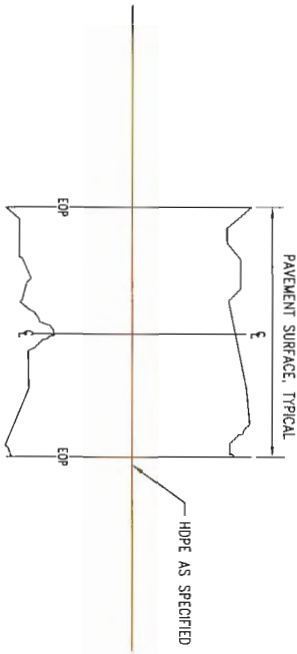
KCI TECHNOLOGICALS INC.  
 1590 KELSEY LN.  
 TAMPA, FL 33619  
 FAX 813-740-0158  
 WWW.KCI.COM



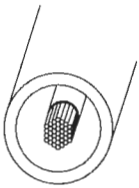
SHEET NAME		COL_CR_MOUNTCARMELAVE_UG_1	
TOWN/STATE		LAKE CITY, FL	
COLLECTOR		DRAFTSMAN	
DESIGNER		N. TURNER	
PROJECT		COLUMBIA SCHOOLS PROJECT	
SHEET		0	
DATE		12 08 10	

# TYPICAL BORE:

N.T.S.



TYPICAL PROFILE/BORE REQUIREMENTS  
PLACING CONDUIT



TYPICAL CONDUIT REQUIREMENTS  
COUNT FIBER AS SPECIFIED

DATE	DESCRIPTION	BY
	PROGRAM DESIGN	R TURNER

CONSTRUCTION FIRM	
MANAGER	#
PHONE	#

KCI TECHNICAL SERVICES INC.  
5500 W. GARDNER BLVD.  
TAMPA, FL 33619  
TEL 813-746-2000  
FAX 813-746-0158  
WWW.KCI.COM

# WANRack™

COLUMBIA COUNTY SCHOOLS PROJECT  
COL\_CR\_MOUNTCARMELAVE\_UG\_1  
00001927\_012

SHEET NAME: COL\_CR\_MOUNTCARMELAVE\_UG\_1  
TOWN/STATE:

LANE CITY, FL    COUNTY:

DRAFTER: R TURNER    REVISION:                      

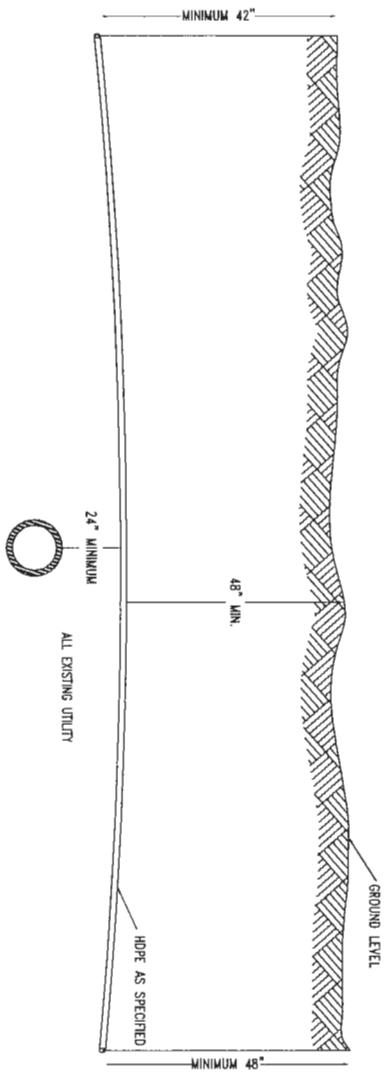
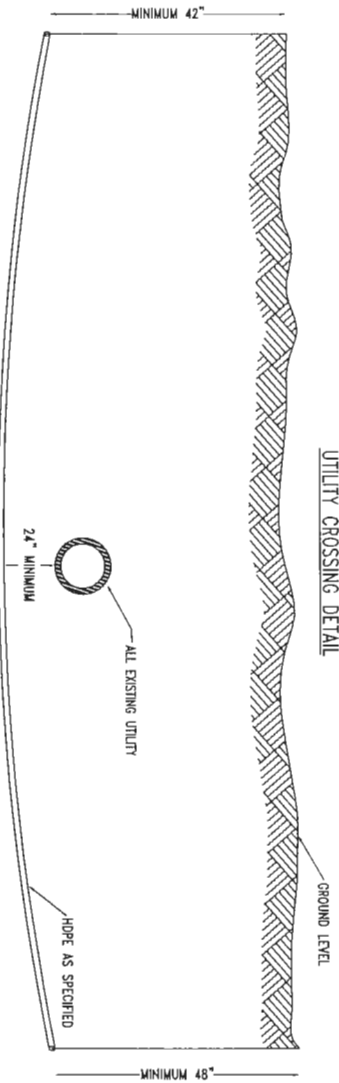
COLUMBIA    SHEET:                      

18 OF 10

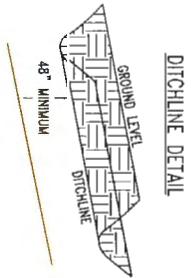
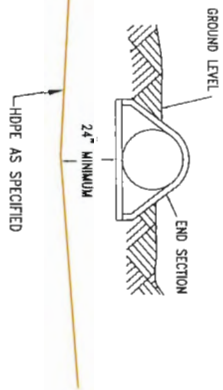
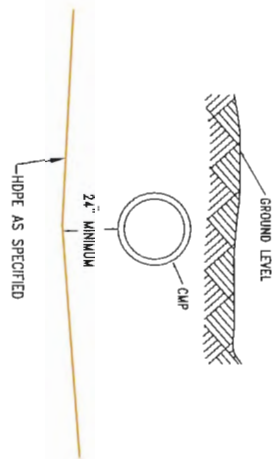
# TYPICAL UTILITY CROSSING:

N.T.S.

UTILITY CROSSING DETAIL



UTILITY CROSSING DETAIL  
STORM CULVERTS



**NOTES:**  
 1. A MINIMUM OF 24" SEPARATION IS REQUIRED BY OTHER UTILITY COMPANIES.  
 2. UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER, GAS, SEWER AND POWER.



DATE:	DESCRIPTIONS:	BY:
	PRELIMINARY DESIGN	R TURNER

CONSTRUCTION FIRM	
MANAGER #	#
PHONE #	#

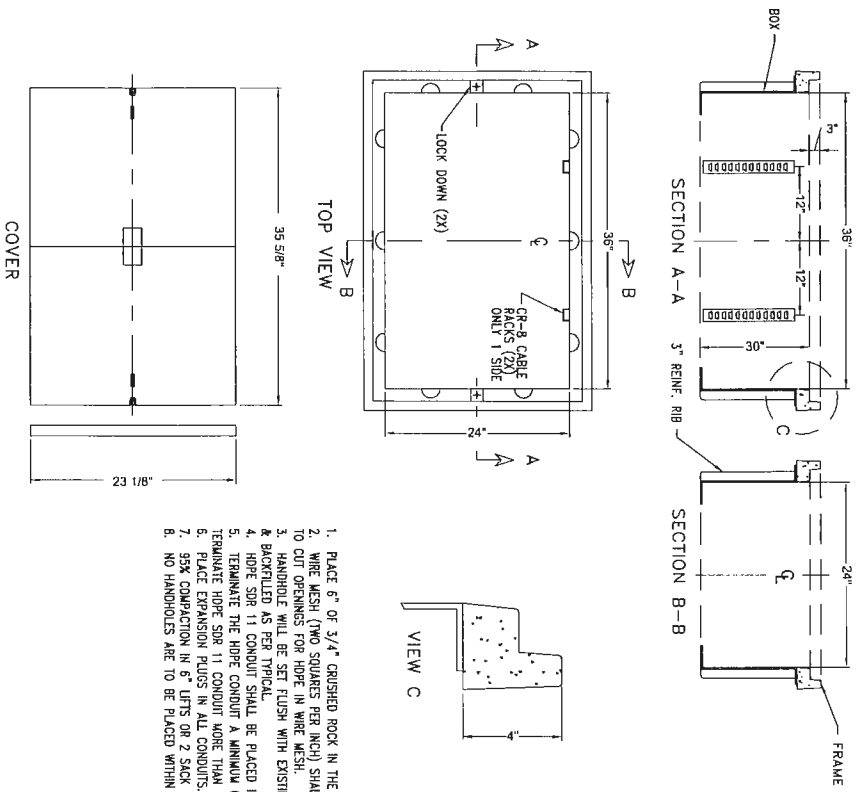
**KCI**  
 KCI TECHNICAL SERVICES, INC.  
 1300 HILSEY LN.  
 TAMPA, FL 33619  
 TEL 813 740-2300  
 FAX 813 740-0258  
 WWW.KCI.COM



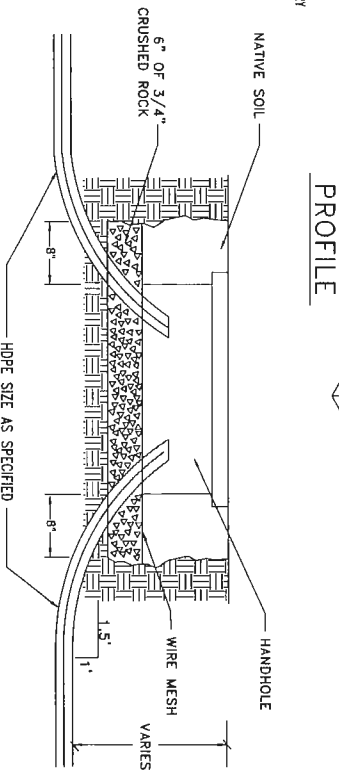
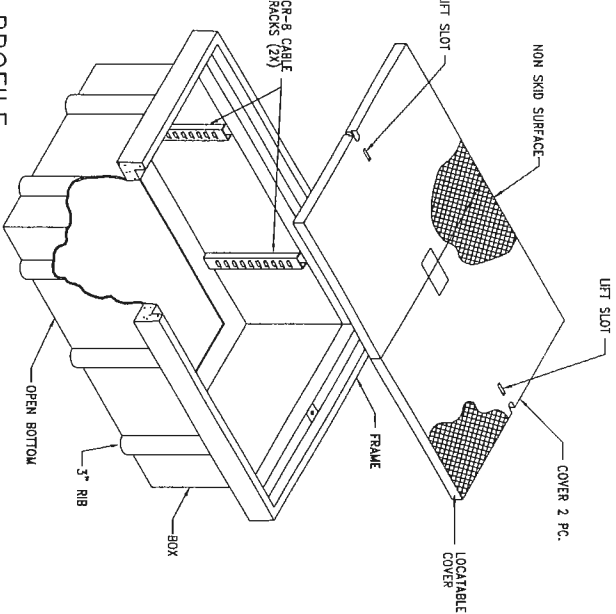
COLUMBIA COUNTY SCHOOLS PROJECT	
COL_CR_MOUNTCARMELAVE_UG_1	
00001927_012	
SHEET NAME	COL_CR_MOUNTCARMELAVE_UG_1
TOWN-STATE	LAKE CITY FL COUNTY
QUARTER	R TURNER
COLUMBIA	REVISION:
SHEET	0
1" OF 10"	

# 24" X 36" X 30" HANDHOLE DETAIL

N.T.S.



1. PLACE 6" OF 3/4" CRUSHED ROCK IN THE BOTTOM OF THE EXCAVATION.
2. WIRE MESH (TWO SQUARES PER INCH) SHALL BE PLACED OVER THE ROCK. IT WILL BE NECESSARY TO CUT OPENINGS FOR HOPE IN WIRE MESH.
3. HANDHOLE WILL BE SET FLUSH WITH EXISTING GRADE AND IN LINE WITH & CENTERED OVER R/L & BACKFILLED AS PER TYPICAL.
4. HOPE SDR 11 CONDUIT SHALL BE PLACED IN THE CORNERS OF HANDHOLE.
5. TERMINATE THE HOPE CONDUIT A MINIMUM OF SIX (6) INCHES ABOVE THE WIRE MESH. DO NOT TERMINATE HOPE SDR 11 CONDUIT MORE THAN EIGHT (8) INCHES ABOVE THE WIRE MESH.
6. PLACE EXPANSION IN 6" LIFTS OR 2 SACK MIX AROUND HANDHOLE.
7. 95% COMPACTION IN 6" LIFTS OR 2 SACK MIX AROUND HANDHOLE.
8. NO HANDHOLES ARE TO BE PLACED WITHIN THE DITCHLINE.



		<b>REVISIONS</b> DATE: _____ DESCRIPTION: _____ BY: _____ CHECKED: _____		<b>CONSTRUCTION FIRM</b> # _____ # _____ # _____	
KCI TECHNOLOGIES INC. 150 W. 1ST ST. TAMPA, FL 33619 TEL 813-740-2000 FAX 813-740-1888 WWW.KCI.COM				COLUMBIA COUNTY SCHOOLS PROJECT COL_CR_MOUNTCARMELAVE_UG_1 00001927_012	
SHEET NAME: COL_CR_MOUNTCARMELAVE_UG_1 TOWN/STATE: _____		DRAWN BY: R. TURNER COUNTY: COLUMBIA		REVISION: _____ SHEET: 16 OF 10	

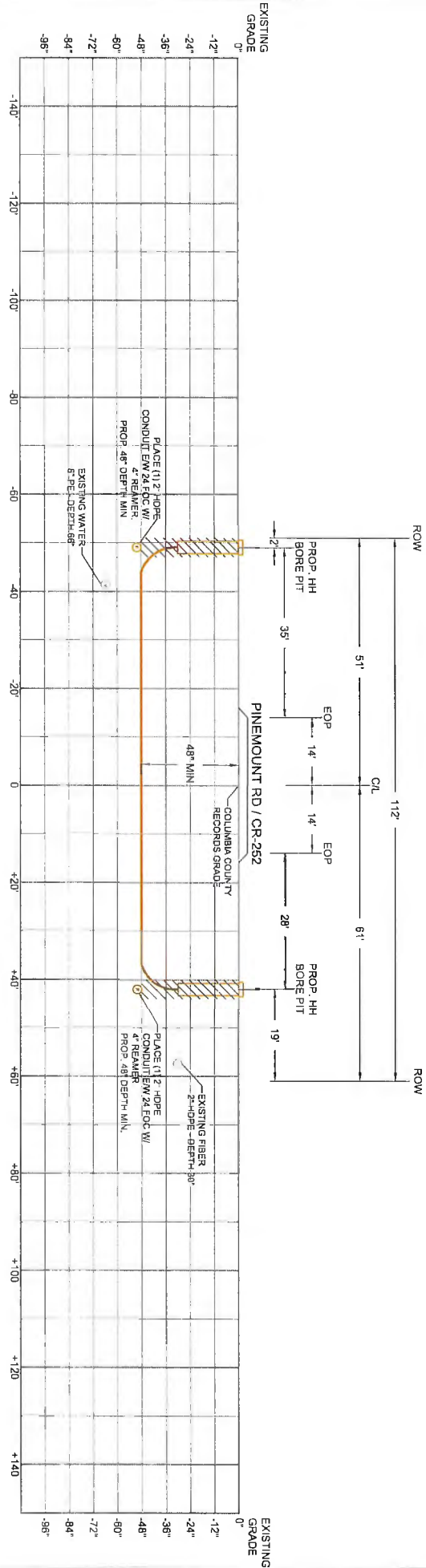


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SCALE: 1"=50'

**NOTES**  
 WHEN PULLING FIBER-OPTIC CABLE PLACE A PULL STRING FOR FUTURE USE  
 ALL HANDHOLES ARE TO BE FLUSH MOUNTED  
 ALL CONSTRUCTION WITHIN RIGHT-OF-WAYS TO BE IN ACCORDANCE WITH STATE/LOCALITY REQUIREMENTS  
**CAUTION**  
 RIGHTS-OF-WAY ARE DEPICTED BASED ON FIELD OBSERVATION AND AERIAL PHOTOGRAPHS. FIELD SURVEYS WILL BE NECESSARY AND LOCALITY IS REQUIRED AND SURVEYS WILL BE NECESSARY

 <p>Know what's below. Call before you dig.</p>		<b>REVISIONS</b> <table border="1"> <tr> <th>DATE</th> <th>DESCRIPTIONS</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		DATE	DESCRIPTIONS	BY			
DATE	DESCRIPTIONS	BY							
<b>CONSTRUCTION FIRM</b> <table border="1"> <tr> <th>MANAGER</th> <th>PHONE</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		MANAGER	PHONE			 <p><b>KCI TECHNOLOGIES INC.</b>          150 NE 56th Ln          Tampa, FL 33619          TEL 813-740-0200          FAX 813-740-0200          www.kci.com</p>			
MANAGER	PHONE								
		<p><b>COLUMBIA COUNTY SCHOOLS PROJECT</b>          COL_CR_MOUNTCARMELAVE_UG_1          00001927_012</p>							
SHEET NAME COL_CR_MOUNTCARMELAVE_UG_1	TOWN-STATE LAKE CITY, FL	COUNTY COLUMBIA	SHEET 2 OF 10						



**STATION 0+58 TO 1+47 LOOKING NORTHEAST**  
**TYPICAL CROSS SECTION**

DEPTHS PROPOSED ARE MINIMUM DEPTHS.

ALL SUBSURFACE UTILITIES SHOWN ARE TO MAINTAIN PROPOSED UTILITIES BE PERFORMED PRIOR TO CONSTRUCTION.

WHEN DIRECTIONAL BORE IS THE METHOD USED, A MINIMUM OF 2 INCH SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, UTILITY LINES, AND STORM DRAIN SYSTEMS WHILE MAINTAINING THE MINIMUM REQUIRED DEPTH UNDER PAVEMENT OR NON-PAVED GROUND.



DATE	DESCRIPTIONS	BY:

**KCI**  
 KCI TECHNICAL SERVICES INC.  
 130 KEG SHELLEN  
 TAMPA, FL 33619  
 TEL 813-740-2800  
 FAX 813-740-2198  
 WWW.KCI.COM



COLUMBIA COUNTY SCHOOLS PROJECT		COL_CR_MOUNTCARMELAVE_UG_1		00001927_012	
SHEET NAME	COL_CR_MOUNTCARMELAVE_UG_1	DRAWN BY	RTURNER	REVISION	0
TOWNSHIP	LANE CITY, FL	COUNTY	COLUMBIA	SHEET	2A OF 10



DATE:	REVISIONS:	BY:
	DESCRIPTION: <td> </td>	
	PRELIMINARY DESIGN	

CONSTRUCTION FIRM	
MANAGER	#
PHONE	#

**KCI TECHNOLOGIES INC.**
  
 150 KELSEY LN.
   
 TAMPA, FL 33619
   
 TEL 813 740-2000
   
 FAX 813 740-2119
   
 WWW.KCI.COM



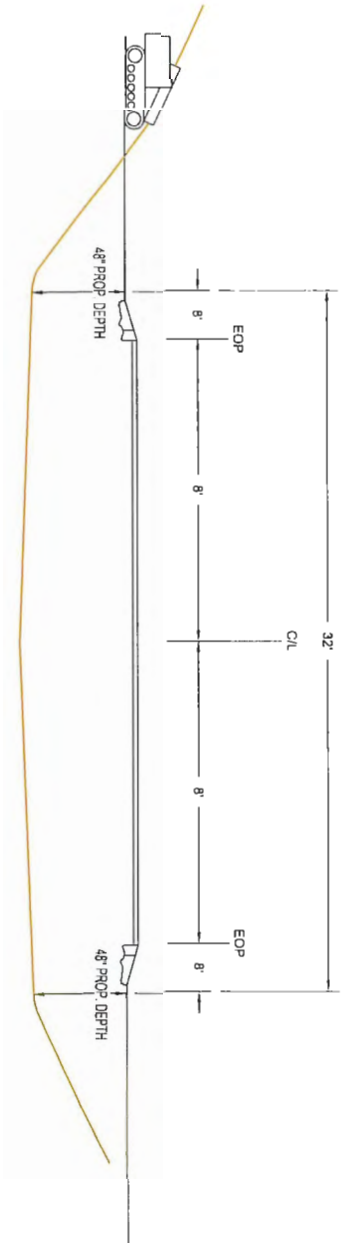
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TOWN/STATE	LAKE CITY, FL	COUNTY	COLUMBIA
DRAWN BY		RETURNER	REVISION:
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**COLUMBIA COUNTY SCHOOLS PROJECT**  
**COL\_CR\_MOUNTCARMELAVE\_UG\_1**  
 00001927\_012

**NOTES**  
 WHEN PULLING FIBER-OPTIC CABLE, PLACE A PULL STRING FOR  
 FUTURE USE  
 ALL HANDHOLES ARE TO BE FLUSH MOUNTED  
 ALL CONSTRUCTION WITHIN RIGHT-OF-WAYS TO BE IN  
 ACCORDANCE WITH STATE DISCONTINUITY REQUIREMENTS.  
**CAUTION**  
 RIGHTS-OF-WAY ARE DEPICTED BASED ON FIELD OBSERVATION  
 AND SURVEY DATA. FIELD SURVEYING WILL BE NECESSARY  
 TO VERIFY ACCURACY IS REQUIRED. LAND SURVEYS WILL BE NECESSARY



SCALE: 1"=50'



**SW DALMATIAN LN LOOKING EAST**  
**ROAD BORE PROFILE**  
 N.T.S.

**811**  
 Know what's below.  
 Call before you dig.

DATE	REVISIONS DESCRIPTIONS	BY
PREPARED	PRELIMINARY DESIGN	R. TURNER

CONSTRUCTION FIRM	
MANAGER	#
PHONE	#

**KCI**  
 KCI TECHNOLOGIES INC.  
 150 KELSEY LN.  
 TAMPA, FL 33619  
 TEL 813-740-2200  
 FAX 813-740-2100  
 WWW.KCI.COM

**WANRack**<sup>TM</sup>

SHEET NAME		COL_CRA_MOUNTCARMEHAVE_UG_1		DRAWN BY		R. TURNER	
TOWN/STATE		LAKE CITY, FL		COUNTRY		COLUMBIA	
PROJECT		COLUMBIA COUNTY SCHOOLS PROJECT		SHEET		3A OF 10	
PROJECT ID		00001927_012		REVISION		0	





TO MATCH SURVEY STA. 14+61

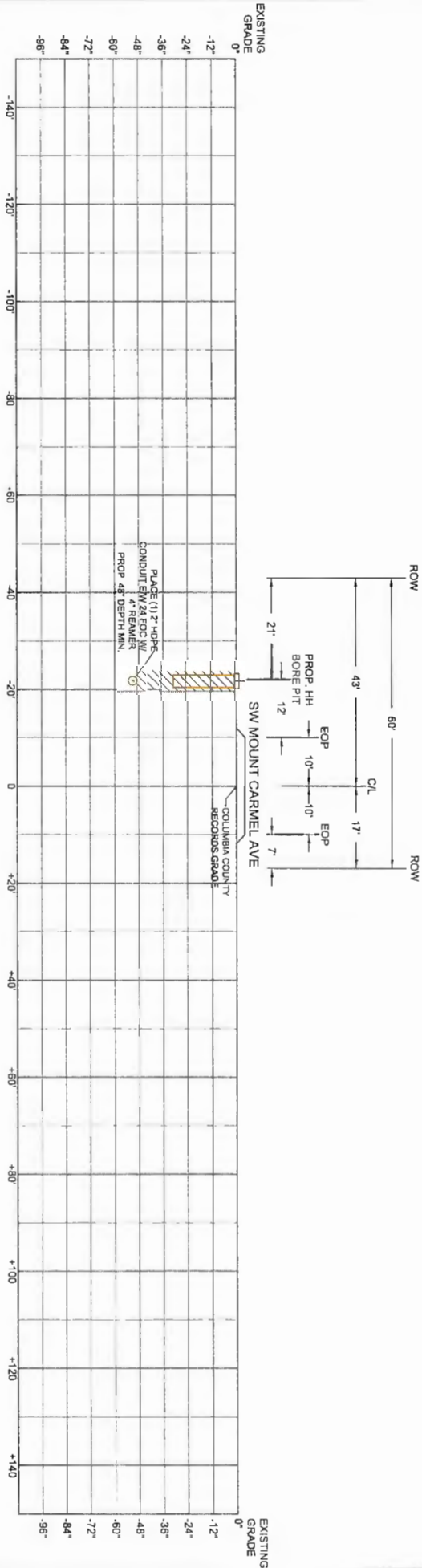
TO MATCH SURVEY STA. 21+66

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SCALE: 1" = 50'

**NOTES**  
 WHEN PULLING FIBEROPTIC CABLE, PLACE A PULL STRING FOR FUTURE USE  
 ALL HANDHOLES ARE TO BE FLUSH MOUNTED  
 ALL CONSTRUCTION WITHIN RIGHT-OF-WAYS TO BE IN ACCORDANCE WITH STATE/COUNTY/CITY REQUIREMENTS.  
**CAUTION**  
 RIGHTS-OF-WAY ARE DEPICTED BASED ON FIELD OBSERVATION AND THE LATEST COUNTY RECORDS AVAILABLE. IF FURTHER ACCURACY IS REQUIRED, LAND SURVEYS WILL BE NECESSARY.

 <p>Know what's below. Call before you dig.</p>		<p>DATE: _____</p> <p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>BY:</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	BY:	DATE				
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<p>WANRack</p>		<p>COLUMBIA COUNTY SCHOOLS PROJECT          COL_CR_MOUNTCARMELAVE_UG_1          00001927_012</p>									
SHEET NAME	COL_CR_MOUNTCARMELAVE_UG_1	DRAWER:	R TURNER								
TOWN/STATE	LANE CITY, FL	COUNTY:	COLUMBIA								
REVISION	0	SHEET	4 OF 10								



STATION 20+68 LOOKING SOUTH  
 TYPICAL CROSS SECTION

DEPTHS PROPOSED ARE  
 MINIMUM DEPTHS

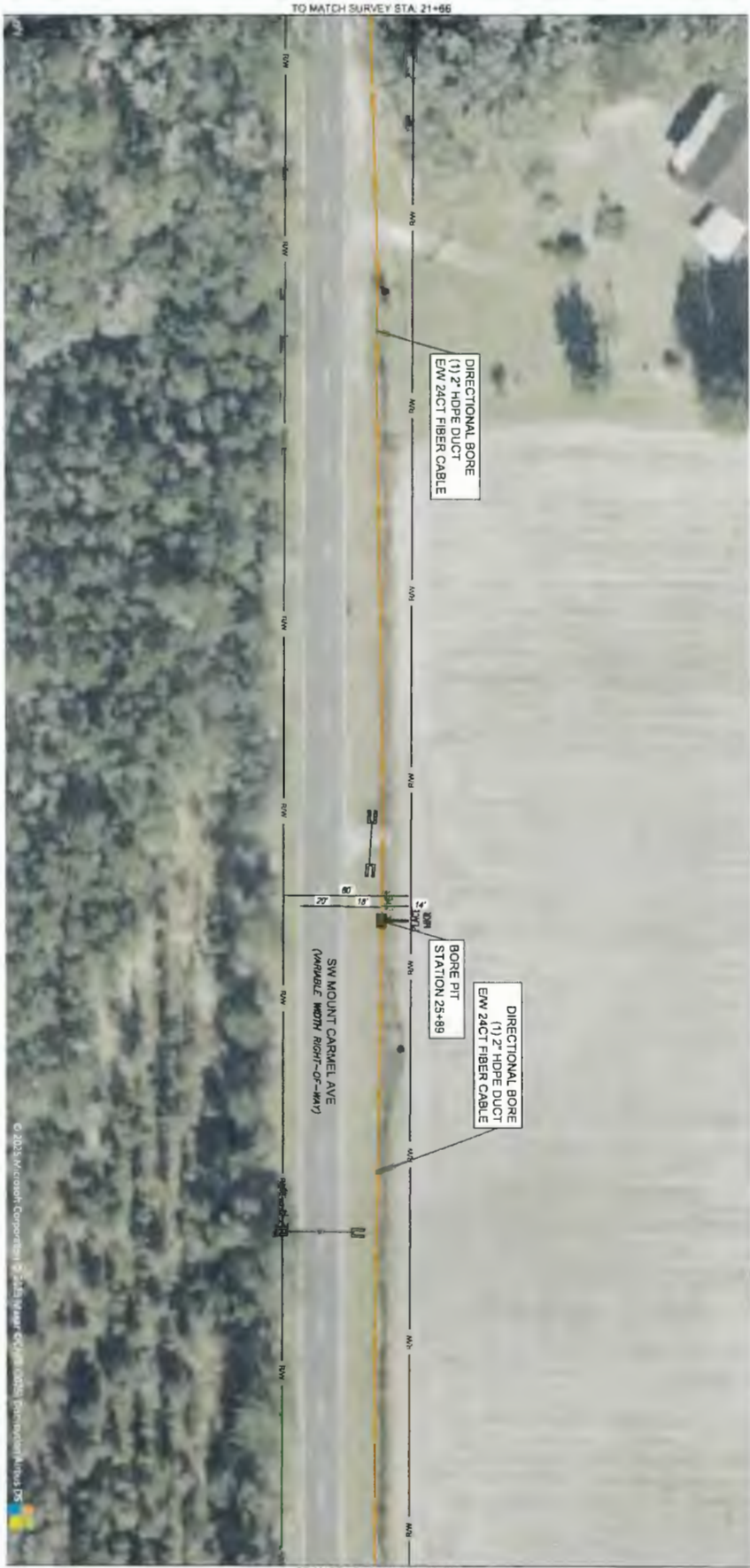
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 24-INCH SEPARATION SHALL BE  
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 UTILITIES, ITS/ATMS LINES, AND STORM  
 DRAIN SYSTEMS WHILE MAINTAINING THE  
 MINIMUM REQUIRED DEPTH UNDER  
 PAVEMENT OR NON-PAVED GROUND.  
 CONSTRUCTION

DATE	REVISIONS	BY
	PRELIMINARY DESIGN	

CONSTRUCTION FIRM	
MANAGER	#
PHONE	#

SHEET NAME	COL_CR_MOUNTCARMELAVE_UG_1	BOAFTER	R TURNER	REVISION:	0
TOWN/STATE	COL. CR. MOUNTCARMELAVE_UG_1	COUNTY	COLUMBIA	SHEET	4A OF 10

COLUMBIA COUNTY SCHOOLS PROJECT  
 COL\_CR\_MOUNTCARMELAVE\_UG\_1  
 00001927\_012



TO MATCH SURVEY STA. 21+86

TO MATCH SURVEY STA. 25+89

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SCALE 1:50

**NOTES**  
 WHEN PULLING FIBER-OPTIC CABLE, PLACE A PULL STRING FOR FUTURE USE  
 ALL HAND-HOLES ARE TO BE FLUSH-MOUNTED  
 ALL CONSTRUCTION WITHIN RIGHT-OF-WAYS TO BE IN ACCORDANCE WITH S.W. REGULATION REQUIREMENTS  
 CAUTION: RIGHTS-OF-WAY ARE DEPICTED BASED ON FIELD OBSERVATION AND NOT SURVEYED. ACCURACY OF BOUNDARIES AND PROPERTY LINES IS NOT GUARANTEED. LAND SURVEYS WILL BE NECESSARY FOR ACCURACY.



DATE	REVISIONS	BY:
	DESCRIPTIONS	R. TURNER
	PRELIMINARY DESIGN	

CONSTRUCTION FIRM	
MANAGER #	#
PHONE #	#

**KCI**  
 KCI TECHNOLOGIES INC.  
 150 KELSEY LN.  
 TAMPA, FL 33619  
 TEL 813-242-2550  
 FAX 813-242-2550  
 WWW.KCI.COM



<b>COLUMBIA COUNTY SCHOOLS PROJECT</b>			
<b>COL_CR_MOUNTCARMELAVE_UG_1</b>			
00001927_012			
SHEET NAME:	COL_CR_MOUNTCARMELAVE_UG_1	DRAWN BY:	R. TURNER
TOWN/STATE:	LAKE CITY, FL	COUNTY:	COLUMBIA
		SHEET:	5 OF 10



DIRECTIONAL BORE  
(1) 2" HDPE DUCT  
EMW 24CT FIBER CABLE

PLACE (1) 24" X 36" X 30"  
HANDHOLE LEAVE 50' SLACK  
HANDHOLE STATION 30+71

DIRECTIONAL BORE  
(1) 2" HDPE DUCT  
EMW 24CT FIBER CABLE

DIRECTIONAL BORE  
(1) 2" HDPE DUCT  
EMW 24CT FIBER CABLE

BORE PIT  
STATION 35+74

SM MOUNT CARMEL AVE  
(ADJUSTABLE WIDTH RIGHT-OF-WAY)

SCALE 1"=50'

NOTES  
WHEN PULLING FIBER OPTIC CABLE, PLACE A PULL STRING FOR FUTURE USE  
ALL HANDHOLES ARE TO BE FLUSH MOUNTED  
ALL CONSTRUCTION WITHIN RIGHT-OF-WAYS TO BE IN ACCORDANCE WITH STATE/COUNTY/TOWNSHIP REQUIREMENTS  
CAUTION  
RIGHTS-OF-WAY ARE DEPICTED BASED ON FIELD OBSERVATION. ADDITIONAL SURVEY AND FIELD SURVEYS WILL BE NECESSARY AS REQUIRED. LAND SURVEYS WILL BE NECESSARY

Know what's below.  
Call before you dig.

DATE	DESCRIPTIONS	BY:
	PRELIMINARY DESIGN	

CONSTRUCTION FIRM

MANAGER: #

PHONE: #

KCI TECHNICAL SERVICES INC.  
159 KELLEY LN  
TAMPA, FL 33619  
TEL 813-760-2300  
WWW.KCI.COM

COLUMBIA COUNTY SCHOOLS PROJECT  
COL\_CR\_MOUNTCARMELAVE\_UG\_1  
00001927\_012

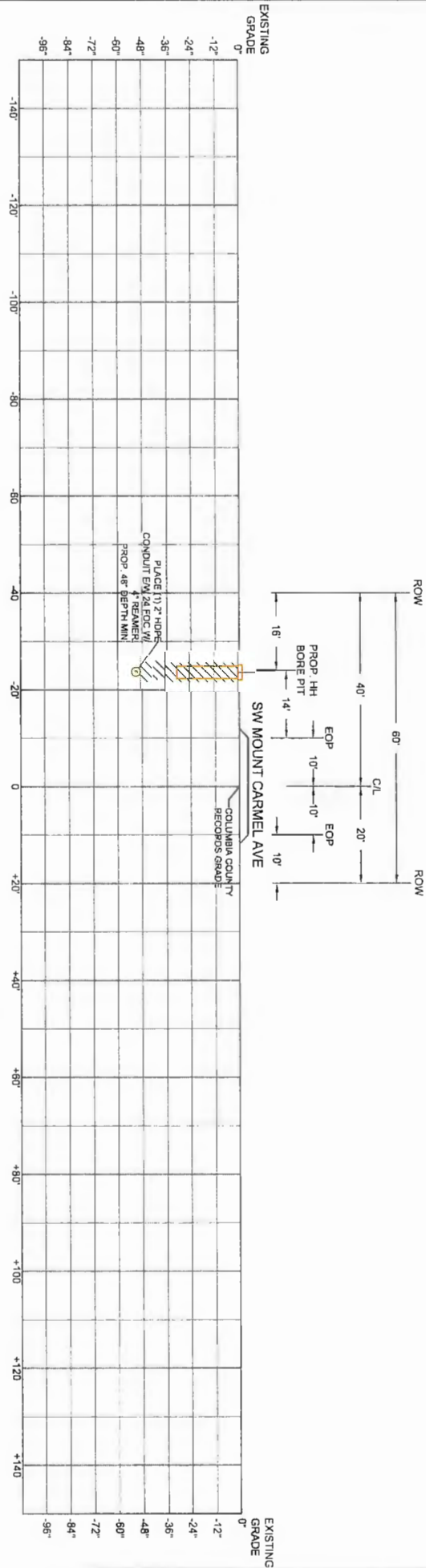
SHEET NAME: COL\_CR\_MOUNTCARMELAVE\_UG\_1

TOWN/STATE: LAKE CITY, FL

DRAWN BY: 8 TURNER

COUNTY: COLUMBIA

REVISION: 6 OF 10



**STATION 30+71 LOOKING SOUTH  
TYPICAL CROSS SECTION**

DEPTHS PROPOSED ARE MINIMUM DEPTHS

ALL SUBSURFACE UTILITIES SHOWN ARE APPROXIMATE UTILITY LOCATES WILL BE PERFORMED PRIOR TO CONSTRUCTION

WHEN DIRECTIONAL BORE IS THE METHOD OF INSTALLATION, A MINIMUM OF 24-INCH SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/MS LINES, AND STORM DRAIN SYSTEMS WHILE MAINTAINING THE MINIMUM REQUIRED DEPTH UNDER PAVEMENT OR NON-PAVED GROUND.



DATE	DESCRIPTIONS	BY
	PRELIMINARY DESIGN	

**KCI**  
KCI CONSULTANTS, INC.  
150 KELSEY LN.  
TAMPA, FL 33619  
TEL 813.740.2200  
FAX 813.740.2158  
WWW.KCI.COM



COLUMBIA COUNTY SCHOOLS PROJECT		SHEET NAME		COL_CR_MOUNTCARMELAVE_UG_1	QUARTER	A TURNER	REVISION:	0
COL_CR_MOUNTCARMELAVE_UG_1		TOWN/STATE	LAKE CITY, FL	COUNTY	COLUMBIA	SHEET	94 OF 10	0









TO MATCH SURVEY STA: 50+86

TO MATCH SURVEY STA: 57+91

SW MOUNT CARMEL AVE  
(WAS/BE WITH RIGHT-OF-WAY)

PLACE (1) 24"X36"X30"  
HAND-HOLE. LEAVE 50' SLACK  
HAND-HOLE STATION 50+90

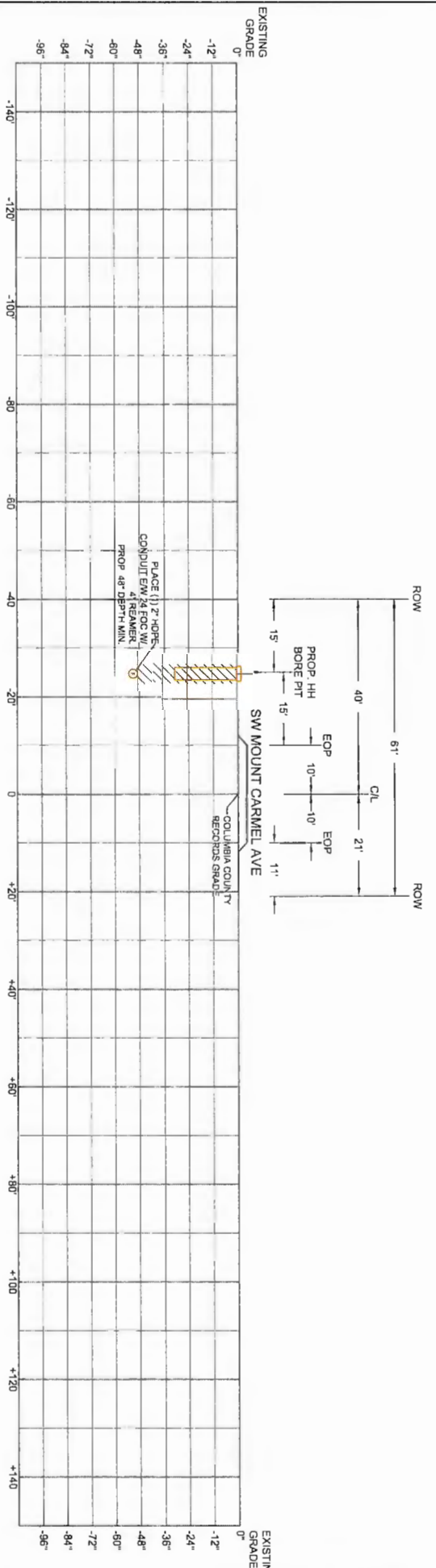
DIRECTIONAL BORE  
(1) 2" HDPE DUCT  
EM 24CT FIBER CABLE

DIRECTIONAL BORE  
(1) 2" HDPE DUCT  
EM 24CT FIBER CABLE  
BORE PIT  
STATION 55+31

SCALE: 1" = 80'

NOTES  
WHEN PULLING FIBER OPTIC CABLE, PLACE A PULL STRING FOR FUTURE USE  
ALL HANDHOLES ARE TO BE FLUSH MOUNTED  
ALL CONSTRUCTION WITHIN RIGHT-OF-WAYS TO BE IN ACCORDANCE WITH STATE/LOCALITY REQUIREMENTS  
RIGHTS-OF-WAY ARE DEPICTED BASED ON FIELD OBSERVATION AND AERIAL PHOTOGRAPHS. ACCURACY OF BOUNDARY AND ACCURACY IS REQUIRED. LAND SURVEYS WILL BE NECESSARY

<p>Know what's below. Call before you dig.</p>		<p>DATE: _____</p> <p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>BY:</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	BY:			
NO.	DESCRIPTION	BY:							
<p>CONSTRUCTION FIRM:</p> <p>MANAGER: # _____</p> <p>PHONE: # _____</p>		<p>KCI TECHNOLOGIES INC.</p> <p>150 KEESBY LN. TAMPA, FL 33618 TEL: 813-760-0158 FAX: 813-760-0158 WWW.KCI.COM</p>							
<p>WANRack</p>		<p>COLUMBIA COUNTY SCHOOLS PROJECT COL_CR_MOUNTCARMELAVE_UG_1 00001927_012</p>							
<p>SHEET NAME: COL_CR_MOUNTCARMELAVE_UC_1</p> <p>TOWN/STATE: _____</p>	<p>LANE CITY: FL</p> <p>COUNTY: _____</p>	<p>DESIGNER: R. TURNER</p> <p>REVISION: _____</p>	<p>DATE: _____</p> <p>BY: _____</p>						



**STATION 50+90 LOOKING SOUTH  
TYPICAL CROSS SECTION**

DEPTHS PROPOSED ARE MINIMUM DEPTHS.

WHEN DIRECTIONAL BORE IS THE METHOD OF INSTALLATION, A MINIMUM OF 24-INCH SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, UTILITIES LINES AND STORM DRAIN SYSTEMS WHILE MAINTAINING THE MINIMUM REQUIRED DEPTH UNDER PAVEMENT OR UNPAVED SHOULD.

ALL SUBSURFACE UTILITIES SHOWN ARE APPROXIMATE. UTILITY LOCATES WILL BE PERFORMED PRIOR TO CONSTRUCTION.

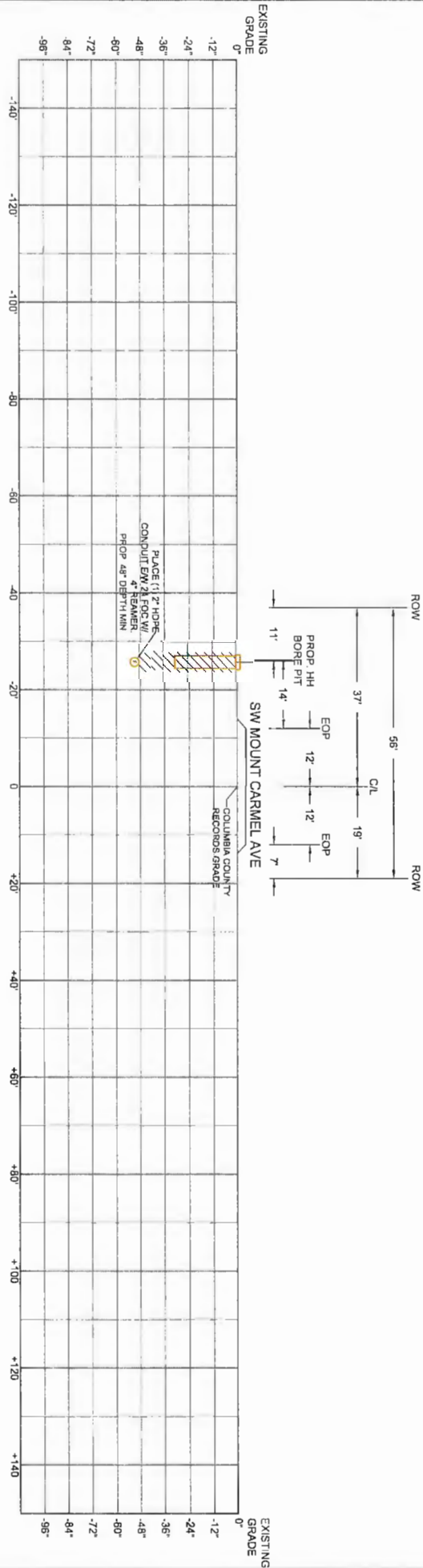
DATE	REVISIONS	BY
PRELIMINARY DESIGN		

**KCI TECHNOLOGIES INC.**  
159 KEENEY LN.  
TAMPA, FL 33619  
TEL 813-760-0198  
WWW.KCI.COM

**COLUMBIA COUNTY SCHOOLS PROJECT**  
COL\_CR\_MOUNTCARMELAVE\_UG\_1  
00001927\_012

SHEET NAME	TOWN/STATE	DATE	REVISION
COL_CR_MOUNTCARMELAVE_UG_1	LAKE CITY, FL	09/11/10	94 OF 10





STATION 60+75 LOOKING SOUTH  
 TYPICAL CROSS SECTION

DEPTHS PROPOSED ARE  
 MINIMUM DEPTHS

WHEN DIRECTIONAL BORE IS THE  
 METHOD OF INSTALLATION, A MINIMUM OF  
 12" SHALL BE MAINTAINED FROM ALL EXISTING  
 UTILITIES, ITS/ATIS LINES, AND STORM  
 DRAIN SYSTEMS WHILE MAINTAINING THE  
 MINIMUM REQUIRED DEPTH UNDER  
 PAVEMENT OR NON-PAVED GROUND.



DATE	REVISIONS	BY	CONSTRUCTION FIRM
	PRELIMINARY DESIGN	R. TURNER	

KCI  
 KCI TECHNICAL SERVICES INC.  
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 FAX 813.746.2301  
 WWW.KCISDM.COM



COLUMBIA COUNTY SCHOOLS PROJECT  
 COL\_CR\_MOUNTCARMELAVE\_UG\_1  
 00001927\_012

SHEET NAME: COL\_CR\_MOUNTCARMELAVE\_UG\_1  
 TOWN/STATE: LAKE CITY, FL  
 COUNTY: COLUMBIA  
 REVISION: 194 OF 10



DATE	REVISIONS	BY
11/01/20	PRELIMINARY DESIGN	R. LINDSEY

CONSTRUCTION FIRM								
<table border="1"> <tr> <th>MANAGER</th> <th>#</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <th>PHONE</th> <th>#</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	MANAGER	#			PHONE	#		
MANAGER	#							
PHONE	#							

**KCI TECHNICAL SERVICES INC.**
  
 150 KELSEY LN.
   
 TAMPA, FL 33618
   
 TEL 813-740-2800
   
 FAX 813-740-2809
   
 WWW.KCI.COM

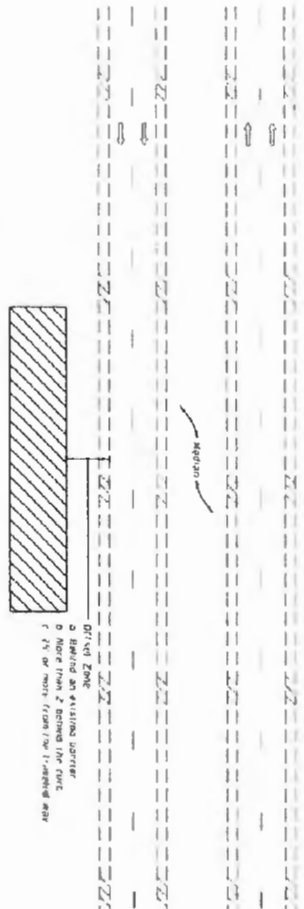
SHEET NAME	COL_CR_MOUNTCARMELAVE_UC_1	TOWN/STATE	LAKE CITY, FL	COUNTY	COLUMBIA
DRAFTER	R. TURNER	SCALE	N.T.S.	SHEET	102-601(1)
<b>COLUMBIA COUNTY SCHOOLS PROJECT</b> <b>COL_CR_MOUNTCARMELAVE_UC_1</b> 00001927_012					

LAST REVISION	DESCRIPTION	INDEX	SHEET
11/01/20		102-601	1 of 1

**FDOT**
  
 FY 2025-26
   
 STANDARD PLANS

1 W-O-LANE AND MULTILANE ROADWAY.  
 WORK BEYOND THE SHOULDER

MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR



- NOTES:**
1. Plan notes apply to lane-line, median and barrier systems. Standard Median of spaced concrete, with work beyond the shoulder.
  2. Use Index 102-602 when the work location (including adjusting and removing the work) requires that two or more work vehicles cross the traffic flow in any one hour period.
  3. Use Index 102-600 when work area encroaches a Shoulder.

- SYMBOLS:**
- Work Area
  - Lane Identification and Direction of Traffic





DATE	REVISIONS	BY:
11/01/20	DESCRIPTIONS: PRELIMINARY DESIGN	R. TURNER

CONSTRUCTION FIRM	MANAGER	PHONE
	#	#

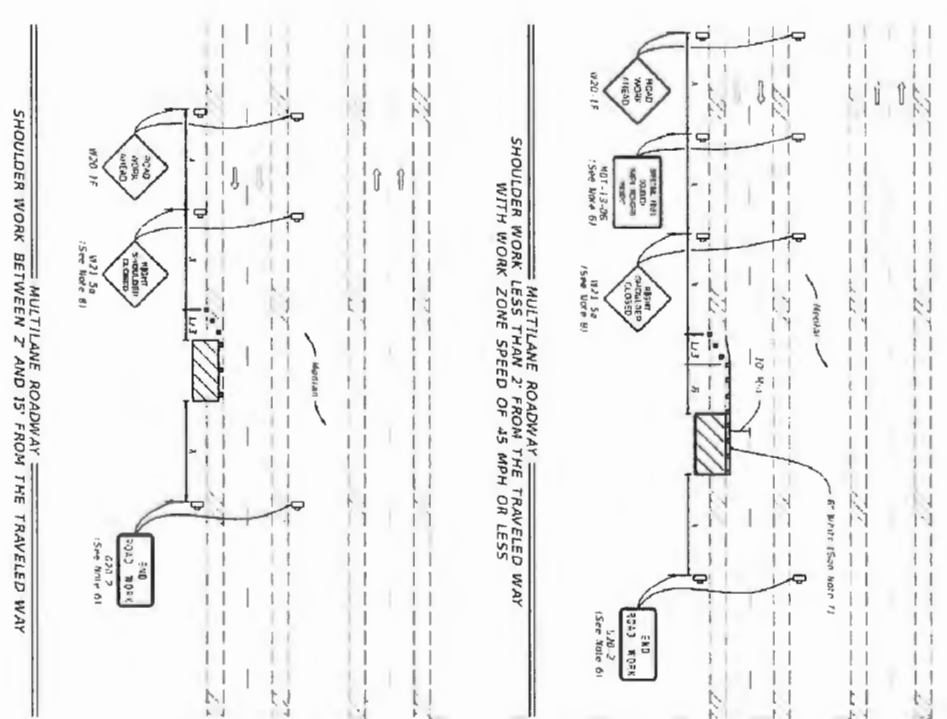
**KCI TECHNOLOGIES INC.**  
 150 KELSEY LN.  
 TAMPA, FL 33618  
 FAX 813/740-0158  
 WWW.KCI.COM

SHEET NAME	COL_CR_MOUNTCARMELAVE_UC_1	TOWN/STATE	LAKE CITY, FL	COUNTY	COLUMBIA
DRAWER	RTURNER	SCALE	N.T.S	SHEET	102-8022
COLUMBIA COUNTY SCHOOLS PROJECT			COL_CR_MOUNTCARMELAVE_UC_1		
00001927_012			REVISION		
			0		

LAST REVISION	DESCRIPTION	INDEX	SHEET
11/01/20		102-602	2 of 2

**FDOT**  
 STANDARD PLANS  
 FY 2025-26

- SYMBOLS:**
- WORK AREA
  - COMMUNIZING DOWN (500 FEET) 102-4000
  - 4' x 8' 2'-1/2" SIGN
  - See Identification and Direction of Traffic





DATE	REVISIONS	BY
11/01/22	REVISIONS	BY
	DESCRIPTIONS	
	PULLMARK/DESIGN	

CONSTRUCTION FIRM
MANAGER #
PHONE #

FDOT  
 FY 2025-26  
 STANDARD PLANS

TWO-LANE, TWO-WAY, INTERSECTION WORK

COLUMBIA COUNTY SCHOOLS PROJECT  
 COL\_CR\_MOUNTCARMELAVE\_UC\_1  
 00001927\_012

SCALE: N.T.S.  
 SHEET: 102-604  
 SHEET: 1 of 2

COLUMBIA COUNTY  
 COUNTY: COLUMBIA  
 REVISION: 0

LAST REVISION	DESCRIPTION
11/01/22	

DATE	REVISIONS	BY
11/01/22	REVISIONS	BY
	DESCRIPTIONS	
	PULLMARK/DESIGN	

CONSTRUCTION FIRM
MANAGER #
PHONE #

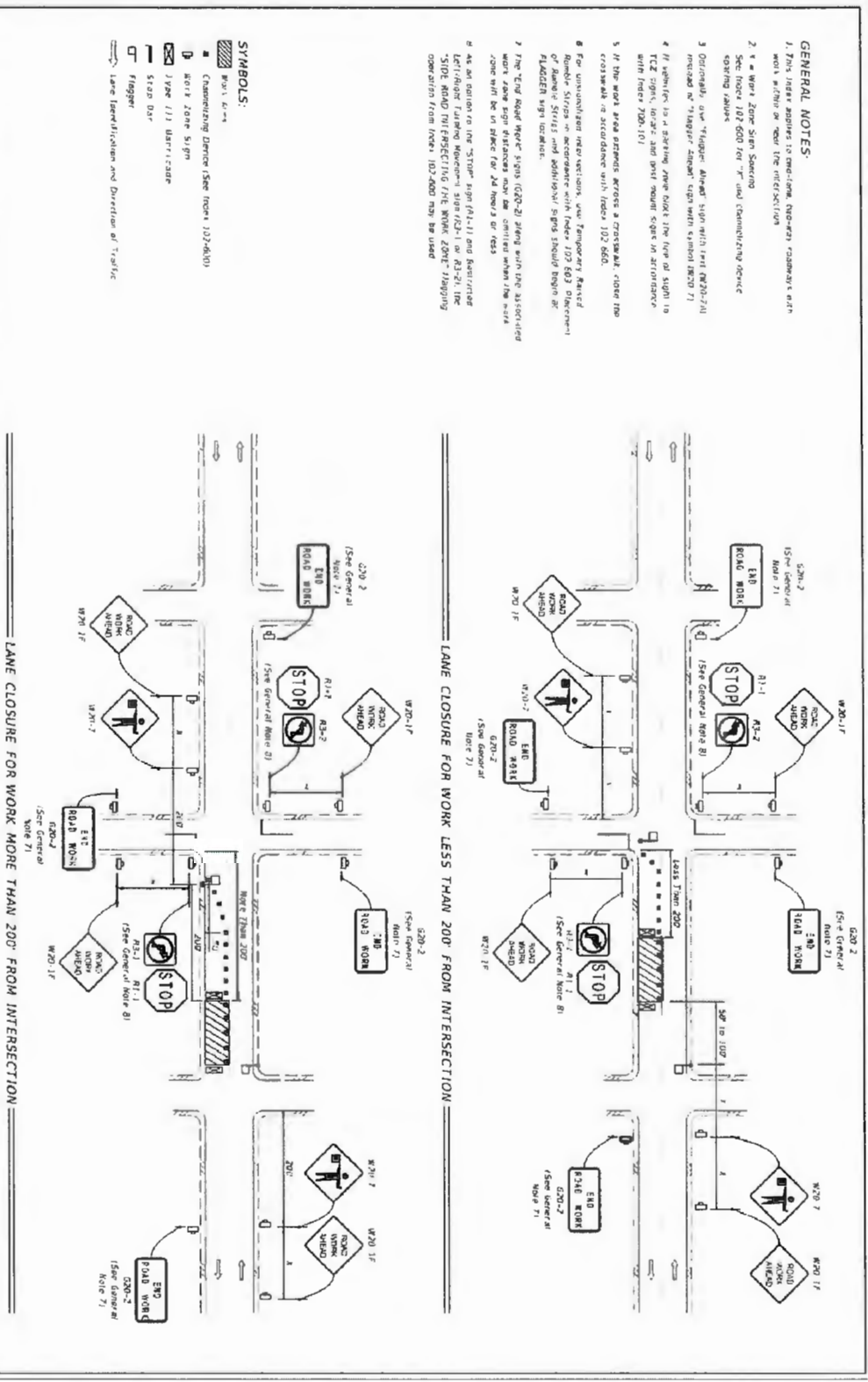
FDOT  
 FY 2025-26  
 STANDARD PLANS

TWO-LANE, TWO-WAY, INTERSECTION WORK

COLUMBIA COUNTY SCHOOLS PROJECT  
 COL\_CR\_MOUNTCARMELAVE\_UC\_1  
 00001927\_012

SCALE: N.T.S.  
 SHEET: 102-604  
 SHEET: 1 of 2

COLUMBIA COUNTY  
 COUNTY: COLUMBIA  
 REVISION: 0



**GENERAL NOTES:**

- This index applies to one-lane, two-way roadways with work within or near the intersection.
- Use a Work Zone Sign Spacing spacing values.
- Originally, use "Flagger Ahead" sign with text (W20-7A) instead of "Flagger Ahead" sign with symbol (W20-7).
- If vehicles in a passing lane block the type of sign in the work zone, the sign shall remain in place in the advance zone until the work zone is clear.
- If the work area extends across a crosswalk, color the crosswalk in accordance with Index 102-660.
- For unimproved roadways, use Temporary Raised Pavement Signs in accordance with Index 102-663. Otherwise, use Temporary Raised Pavement Signs. Signs should have reflective sheeting.
- The "End Road Work" Sign (E20-2) along with the associated work zone sign stations may be omitted when the work zone will be in place for 24 hours or less.
- As an option to the stop sign (R1-1) and "Flagger Ahead" sign (W20-7), use the "Flagger Ahead" sign (W20-7A) with the "STOP" sign (R1-1) in the advance zone. The "STOP" sign (R1-1) should be placed 100-150 feet from the work zone.



DATE:	REVISIONS	BY:
11/01/22		
	DESCRIPTIONS:	
	PREPARED BY:	
	DESIGNED BY:	
	CHECKED BY:	
	IN CHARGE:	

CONSTRUCTION FIRM				
<table border="1"> <tr> <td>MANAGER</td> <td>#</td> </tr> <tr> <td>PHONE</td> <td>#</td> </tr> </table>	MANAGER	#	PHONE	#
MANAGER	#			
PHONE	#			

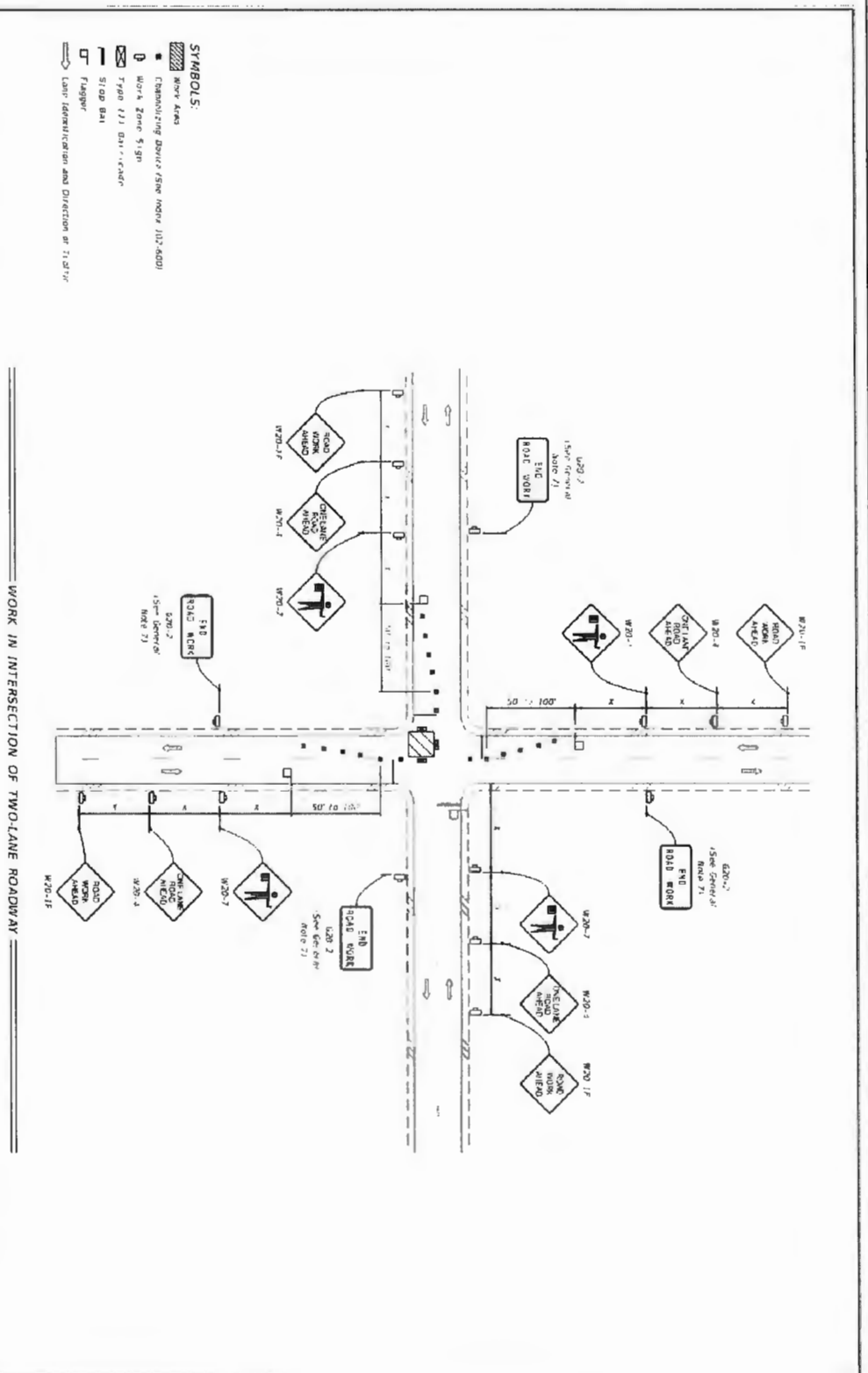
FY 2025-26  
STANDARD PLANS

KCI TECHNOLOGIES INC.  
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COLUMBIA COUNTY SCHOOLS PROJECT  
COL\_CR\_MOUNTCARMELAVE\_UG\_1  
00001927\_012

SHEET NAME: COL\_CR\_MOUNTCARMELAVE\_UG\_1  
DRAWN BY: R-TURNER  
SCALE: N.T.S.  
SHEET: 102-604/2  
REVISION: 0

LAST REVISION	DESCRIPTION	INDEX	SHEET
11/01/22		102-604	2 of 2



WORK IN INTERSECTION OF TWO-LANE ROADWAY

- SYMBOLS:**
- Work Area
  - Revolving Device (See Index 102-600)
  - Work Zone Sign
  - Typical Sign
  - Sign
  - Flagger
  - Lane Identification and Direction of Traffic