BOARD OF SUPERVISORS

MADISON COUNTY, MISSISSIPPI

Department of Engineering Tim Bryan, P.E., County Engineer 3137 South Liberty Street, Canton, MS 39046 Office (601) 790-2525 FAX (601) 859-3430

MEMORANDUM

October 15, 2021

- To: Sheila Jones, Supervisor, District I Trey Baxter, Supervisor, District II Gerald Steen, Supervisor, District III Karl Banks, Supervisor, District IV Paul Griffin, Supervisor, District V
- From: Tim Bryan, P.E., PTOE County Engineer
- Re: Telepak Networks, Inc./Cspire Utility Permit County Road Name, Distribution Drive

The Engineering Department recommends approval of permit application for Telepak Networks, Inc. dba Cspire proposes to install fiber optic cable to Little Footprints Learning Center in Madison at 319 Distribution Drive, via directional bore.

GERALD STEEN District Three KARL BANKS District Four PAUL GRIFFIN District Five

Revised:	2/14/2019
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PERMIT APPLICATION FOR THE CONSTRUCTION OR ADJUSTMENT OF A UTILITY WITHIN COUNTY ROAD RIGHT-OF-WAY

Utility Information: Utility Name: Felepak Network Tenc dba CSpire
Address: 1019 Highland Col. Pluny City/State/Zip: Ridgeland MS 39157
Contact Person: Jennifer A. Childs Contact's Phone: 601. 624.76.39
Project Information: County Road Name: Distribution Dr.
(If located within more than one road right-of-way, use Appendix 1 for additional descriptions)
Beginning Location: Distribution Dr. Ending Location: Private Property
Length of Project: <u>2354</u> . Section: <u>29</u> Township: <u>8N</u> Range: <u>2E</u> .
Description of Work: <u>CSpire proposes to install fiber optic Cable</u> the Little Foot prints rearning Center in Midison.
te Little Foot prints learning Center in Midison.
319 Distribution Dr., via directional brave.

Check Box if Appendix 1 is to be included as a part of this Application

Whereas the above stated Utility makes application to the **Madison County Board of Supervisors** for a Construction Permit. Attached hereto are drawings and plans for the construction of the above facilities located within Madison County owned public rights-of-way. Once stamped by the Madison County Engineering Department, these plans shall not be changed or altered without written approval of the County Engineer, or his representative. A copy of the approved permit and plans shall be on-site at all times during construction.

The Applicant Utility shall comply with all policies, procedures and construction practices as outlined in A Policy for The Accommodation of Utility Facilities within the Right-of-Way of all Public County Roads (hereinafter referred to as the "Policy"), as adopted on November 1, 2005, by the Madison County Board of Supervisors, and which is hereby made a part of this Application Agreement.

If facilities are to be located within the Rights-of-Way of the County-Federal or State Aid System, Applicant Utility also agrees to comply with applicable provisions of S.O.P. No. SA II-2-8, Accommodation of Utilities on Rights-of-Way, issued by the State Aid Engineer and dated July 1, 2005.

The Applicant Utility understands and agrees that, except as herein granted, no right, title, claim, or easement to said road rightof-way is granted by the issuance of this permit. If this Utility is listed in the general provisions of the Policy, it will be adjusted to comply with same without cost to the County, unless the variance from the Policy has been approved by the granting of the Permit pursuant to this Application.

The Applicant Utility further understands that the Utility's engineering, plant, or other personnel will be responsible for the staking and construction supervision of the work set out above and as shown on the attached plans. If work impacts traffic in any way, the appropriate traffic control shall be installed per the *Manual of Uniform Traffic Control Devices*, Latest Edition.

The Applicant Utility understands that the County Engineer, or his representative, may issue a Stop Work Order at any time if it is deemed that site conditions are not suitable for construction or if any of the requirements of this permit are not being met.

Many County Roads have variable Rights-of-Way and/or no Right-of-Way at all and are maintained under a Prescriptive Easement. It is the sole responsibility of the Applicant Utility to verify the existence and limits of public rights-of-way. If none exists, it is the

responsibility of the Applicant Utility to acquire an easement for their Facilities from the applicable property owner(s). Madison County in no way verifies the limits of Right-of-Way as shown on the permit application.

The Applicant Utility shall be responsible for all future maintenance and repair of the facilities installed under this permit. The Applicant Utility shall make future adjustments to, or relocate, the facilities located within road or highway right-of-way when required for road or highway widening or other road or highway construction at no cost to Madison County. The Applicant Utility shall relocate said utilities within sixty (60) days of notification by County by registered mail, return receipt requested, unless otherwise designated by the County Engineer. Further, any maintenance, repair, or construction shall be done in such a manner as to occasion no unreasonable interference with the normal flow and safety to traffic and at the expense of the utility company. When reasonable care has been taken to locate said utility facilities within the right-of-way, the Applicant Utility understands that any damages caused by routine maintenance and construction by County forces shall be borne by the Applicant Utility.

The Applicant Utility further agrees to indemnify and hold Madison County harmless for any and all claims, accidents, damages, liabilities and expenses occasioned wholly, or in part, by any act or omission of applicant, its agents or employees. In case County shall, without fault on its own part, be made a party to any litigation commenced by or against applicant, then applicant shall protect and hold County harmless, and shall pay all costs, expenses and reasonable attorney's fees incurred or paid by County in connection with said litigation.

All underground facilities shall be installed at a depth equal to or greater than 48" below the lowest adjacent grade.

All pipes carrying liquid shall be encased under County maintained roads.

WITNESS the signature of the Applicant this the	15th day of October, 202(.
	By: <u>Almiter Ouron Childs</u> (Applicant Signature) Title: SP Permit Special of
Note: Applicant must be an employee of the Utility nan a Contractor, Subcontractor, Agent, or Consulting performed under this application.	ned in this application. The Madison County Board of Supervisors will not recognize g Engineer as the Applicant. Utility Company shall be fully responsible for all work
I, or my authorized representative, have review plans submitted by the Applicant meet the requi the Right-of-Way of all Public County Roads.	red this application and determined that the drawing, sketches, and rements of A Policy for The Accommodation of Utility Facilities within APPROVED By timothy.bryan at 11:21 am, Oct 27, 2021
AGREED TO AND APPROVED BY:	Tim Bryan, P.E. County Engineer
Madison County Board President	Date:
ENTERED INTO THE MINUTES OF THE BOARD	OF SUPERVISORS OF MADISON COUNTY, MISSISSIPPI ON THIS _, 20
Permit Application for the Construction or Adjustment of a Utility Within Cou	inty Road Right-of-Way Page 2

		endix 1	
County Road Name:			
Beginning Location:		Ending Location:	
Length of Project:	Section:	Township:	Range:
Description of Work:			
County Road Name:			
Beginning Location:			
Length of Project:	Section:	Township:	Range:
Description of Work:			
County Road Name:			
Beginning Location:			
Length of Project:			
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Description of Work:			

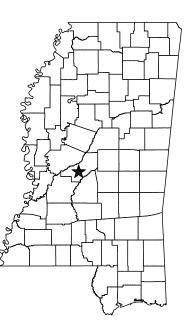


ASBUILT INFORMATION

FIELD ENGINEER:
PROJECT MANAGER:
CONSTRUCTION:
SUB CONTRACTOR:
INSPECTOR:

CONSTRUCTION COMMENCED: CONSTRUCTION COMPLETED: FIBER INSTALLED: FINAL CLEANUP:

NAME: ZACH
NAME:
NAME:
NAME:
NAME:
PHONE#:
DATE:
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CITY:

SBI.OSP.64631 CS.OSFPMS-MADCTY.MS

PROPOSED FIBER BUILD SBI-Little Footprints Learning Center Madison 10-13-21

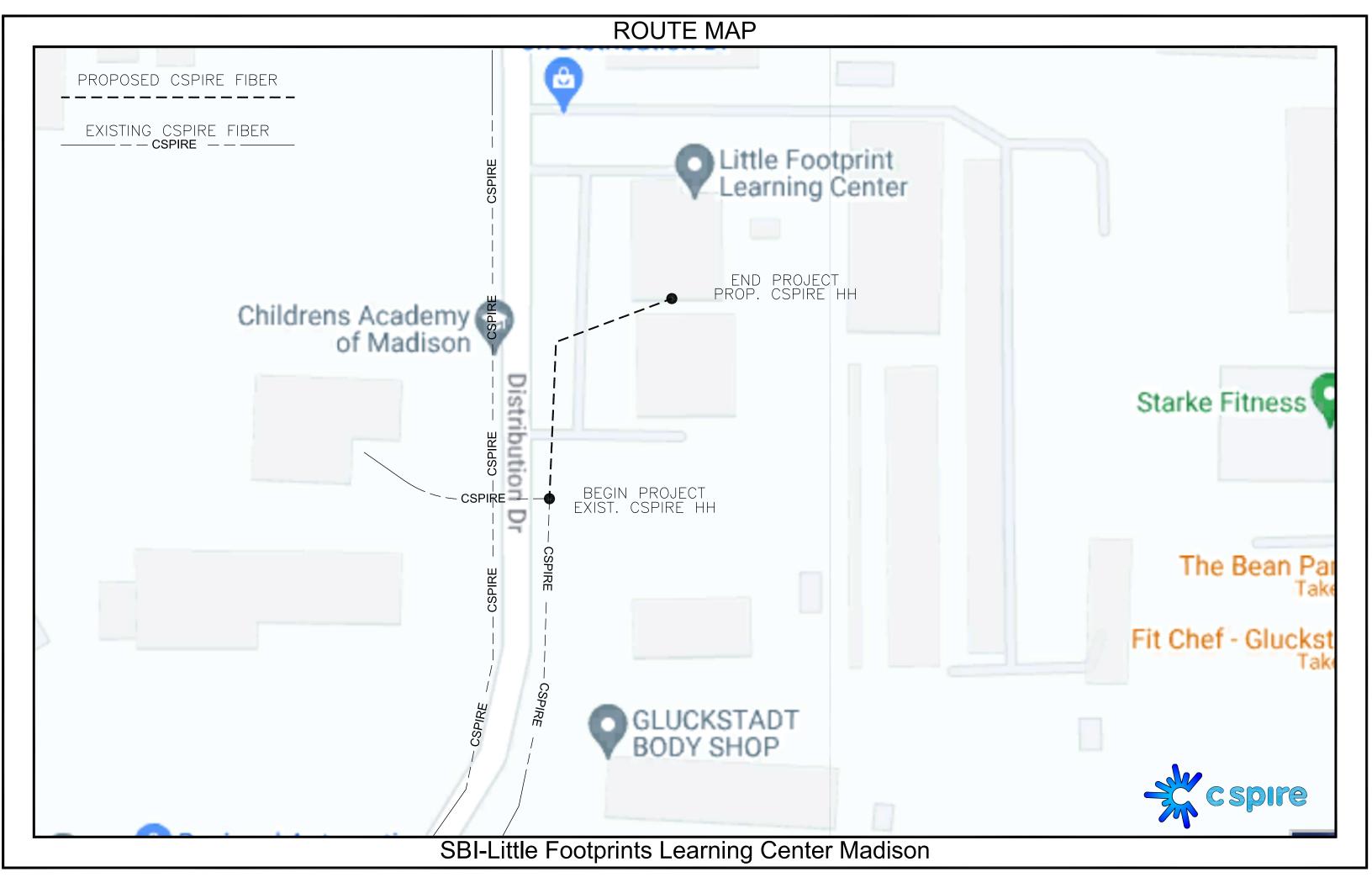
PERMITS

MADISON

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1018 HIGHLAND COLONY PARKWAY SUITE 340 RIDGELAND, MISSISSIPPI 39157 1-800-342-3716



CONSTRUCTION NOTES:

- 1. ALL CONDUIT WILL BE 4" ID SCHEDULE 40 (ie. PVC OR BSP/GSP, MANUFACTURED SPLIT PVC OR SPLIT BSP/GSP), UNLESS SPECIFIED OTHERWISE.
- 2. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. CALL ONE CALL SYSTEM @ 1-800-227-6477.
- 3. ALL UNDERGROUND OBSTRUCTIONS , WHEN LOCATED, WILL REQUIRE THE PLACEMENT OF A BURIED CABLE MARKER AND THE PLACEMENT OF 4" MANUFACTURED SPLIT PVC, BSP/GSP OVER OR UNDER EACH OBSTRUCTION.
- 4. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
- 5. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 60" MINIMUM COVER CROSSING ALL STATE AND OR COUNTY ROADS AND ALL CREEK BEDS UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
- 6. MECHANICAL PROTECTION SHALL BE REQUIRED ANYTIME A 36" MINIMUM COVER IS UNOBTAINABLE UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
- 7. ALL 90 DEGREE BENDS IN CONDUIT CONSTRUCTION WILL BE A MINIMUM 38.2" RADIUS UNLESS SPECIFIED OTHERWISE. ALL SPLIT CONDUIT BENDS AND SOLID PVC BENDS SHALL REQUIRE CONCRETE ENCASEMENT, UNLESS SPECIFIED OTHERWISE.
- 8. OPERATIONS PERSONNEL TO BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO CONSTRUCTION.
- 9. ALL STATIONING IS BASED ON AS-BUILT INFORMATION. THEREFORE SOME VARIANCE SHOULD BE ANTICIPATED. ADJUST AS NEEDED.
- 10. RAILROAD COMMUNICATION AND SIGNAL CABLES TO BE LOCATED PRIOR TO CONSTRUCTION ACTIVITY. RAILROAD TO BE GIVEN 48 HOURS NOTICE PRIOR TO CONSTRUCTION
- 11. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 24" MINIMUM BELOW THE LOWEST POINT OF EXISTING CITY UTILITY BEING CROSSED.
- 12. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 48" MINIMUM BELOW ALL CITY & OR SURFACE STREET(S) WHERE NO UTILITY IS CROSSED.
- 13. CONSTRUCTION CONTRACTOR SHALL PLACE MARKER POLES AT ALL H.H. LOCATIONS & AT EVERY MAJOR P.I. CONTRACTOR WILL PLACE MARKER POLES DURING THE CONSTRUCTION PHASE.

GENERAL NOTES:

- 1. ALL WORK TO BE DONE WITH EXTREME CAUTION, FIBER OPTIC CABLE CARRYING TRAFFIC AND LOSS OF SERVICE WILL RESULT IN LOSS OF REVENUE.
- 2. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, TELEPAK, OR THE RIGHT-OF-WAY GRANTOR.
- 3. LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALUATION MAPS OR OTHER DRAWINGS, AND MAY BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- 4. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS, BUT ARE NOT NECESSARILY EXACT. THEREFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN EVENT OF CONFLICTS.
- 5. ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT, AND REPAIR, IF DAMAGED.
- 6. ANY AND ALL IMPROVEMENTS, SUCH AS, ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- 7. EQUIPMENT TYPES SPECIFIED HEREIN (ie: "BACKHOE. "SWAMP PLOW". ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXCEPTIONS.

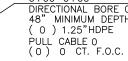
TRAFFIC CONTROL NOTES:

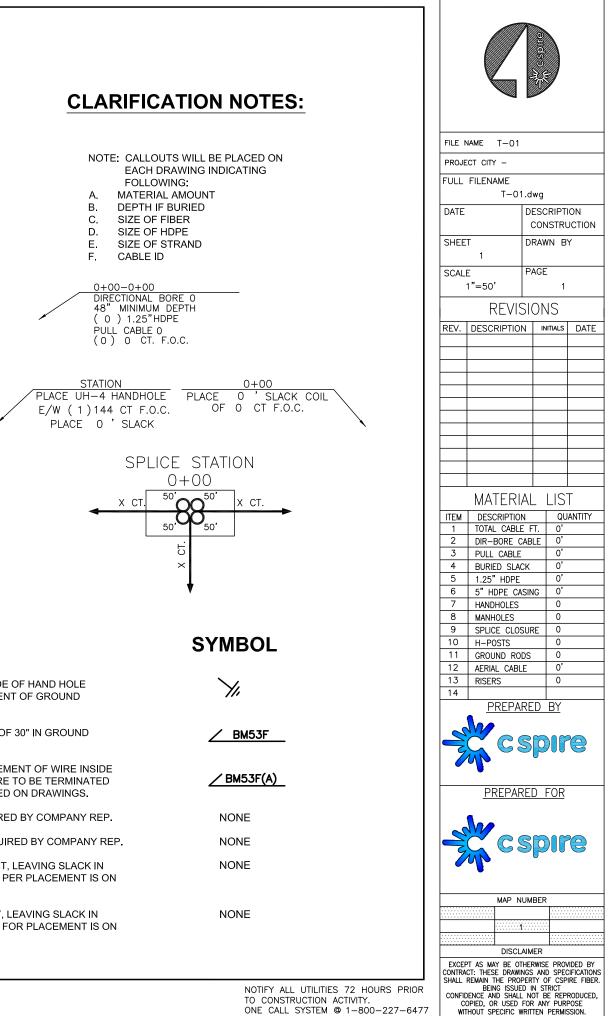
ALL WORK SHALL COMPLY WITH THE UNIFORM TRAFFIC CONTROL MANUAL. (1998 EDITION OF MUTCD, REVISION 3) OR NEWER VERSIONS OF THIS MANUAL.

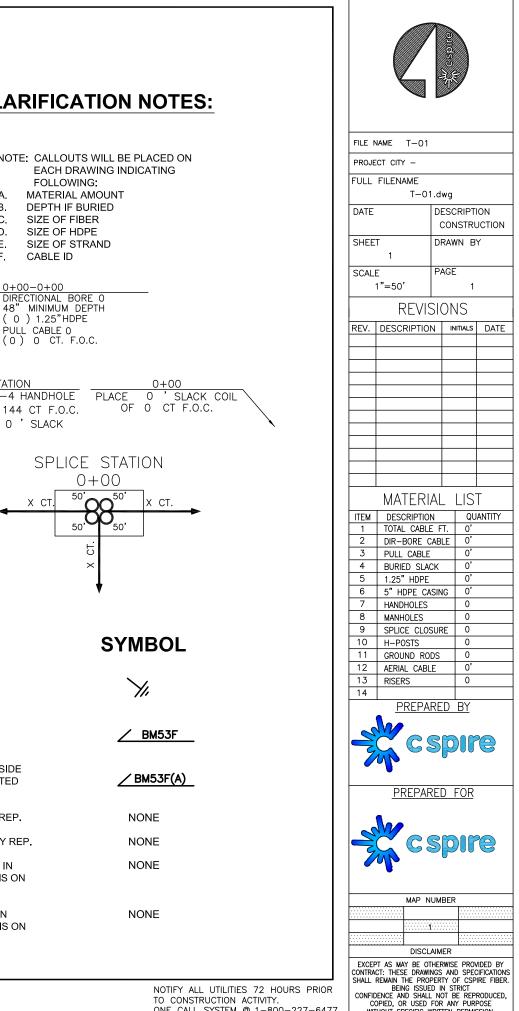
NOMENCLATURE DEFINITION

1. BM2-8 :	PLACEMENT OF EIGHT FOOT GROUND ROD OUTSIDE OF HAND HOLE SIX INCHES BELOW GROUND LEVEL WITH PLACEMENT OF GROUND WIRE WITHE CONNECTOR.
2. BM53F :	PLACEMENT OF PLASTIC MARKER POLE, MINIMUM OF 30" IN GROUND AS INDICATED BY DRAWINGS.
3. BM53F(A):	PLACEMENT OF LOCATE MARKER POST AND PLACEMENT OF WIRE INSIDE OF POST FROM GROUND ROD AND SPLICE CLOSURE TO BE TERMINATED IN POST FOR LOCATION OF FACILITIES AS INDICATED ON DRAWINGS.
4. BM72:	RESTORATION OF ASPHALT PER SQ. FT. AS REQUIRED BY COMPANY REP.
5. BM73:	RESTORATION OF CONCRETE PER SQ. FT. AS REQUIRED BY COMPANY REP.
6. UO-144 :	PLACEMENT OF 144 COUNT FIBER INTO INNER-DUCT, LEAVING SLACK IN HAND HOLES AS INDICATED ON DRAWINGS. PRICE PER PLACEMENT IS ON 'PER FOOT' BASIS.
7. UO-24 :	PLACEMENT OF 24 COUNT FIBER INTO INNER-DUCT, LEAVING SLACK IN HAND HOLES AS INDICATED ON DRAWINGS. PRICE FOR PLACEMENT IS ON A 'PER FOOT' BASIS.

		EACH DRAWING
		FOLLOWING:
	Α.	MATERIAL AMOU
	в.	DEPTH IF BURIED
	C.	SIZE OF FIBER
	D.	SIZE OF HDPE
	E.	SIZE OF STRAND
	F.	CABLE ID
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/	⊿8"	MINIMUM DEPTH







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DIRECTIONAL BORE	DB DB	RAILROAD TRACKS	
AERIAL CABLE		AUXILLARY TRACKS	
PLOW OR BURIED CABLE		CENTERLINE	
DIRECTIONAL BORE 5" HDPE		WOOD LINE	
PVC OR SPLIT PVC CONDUIT		DITCH LINE	
ASTMA 139 GRADE B STEEL		TOP OF SLOPE	
JACK AND BORE		TOE OF SLOPE	
CORE BORE		AERIAL UTILITY (ELECTRIC)	
EXISTING TELEPAK CABLE	CSPIRE	UNDERGROUND UTILITY (TELE (PARTIAL CAPSULE INDICATES)	PHONE)
PROPOSED HANDHOLE	EXISTING HANDHOLE	CAUTION NOTES	
HANDHOLE (CABLE IN HDPE)	DB DB	WATER VALVE	
		WATER METER	
HH (CABLE IN PVC CONDUIT)		GAS VALVE	
HANDHOLE (CABLE IN GSP CONDUIT)		FIRE HYDRANT	
MANHOLE	0	STORM DRAIN	
MANHOLE (CABLE IN HDPE)	DB DB	SEWER MANHOLE	
MANHOLE (CABLE IN PVC CONDUIT)	<u> </u>	CULVERT	
MANHOLE (CABLE IN BSP/GSP COND			
H-FRAME	—— — —————————————————————————————————	BOX CULVERT	
BORE PIT		CITY, COUNTY OR STATE BOU	JNDARY LINE
LIGHTNING ARRESTOR		R.R. CROSSING SIGNAL	* <u>0</u> * *0*
AC/DC FILTER PROTECTION	C AC/DC FILTER PROTECTION	R.R. SIGNAL ARM	
ALUMINUM HUB STYLE MARKER	Î	U/G TRANSFORMER	
STEEL MARKER	1	STREET/SIGNAL LIGHT	0
FLAT COMPOSOLITE MARKER	t	PARKING METER	\bigtriangleup
TUBULAR MARKER	t	STEEL/WOOD POST	0
RIGHT-OF-WAY MARKER	\bigcirc	SIGN	þ
RIGHT-OF-WAY PIN	•		
		TELEPHONE/CATV PED	
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•		BUSH	*

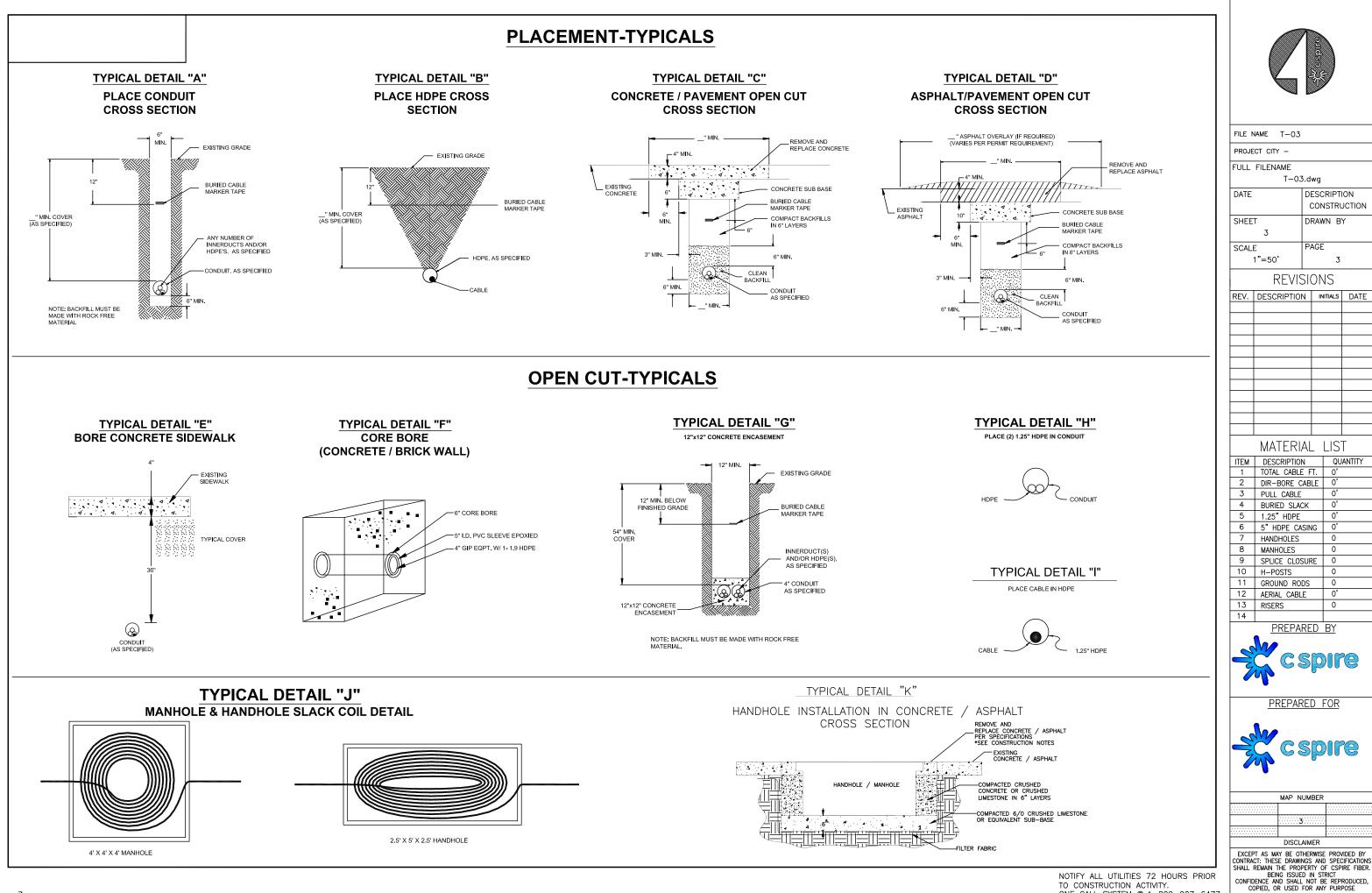
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MER		TELEPHONE POLE	0	CATV	CATV ATTACHMENT	
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	\bigtriangleup	STEEL POLE	S	MDW	MULTI DROP WIRE	
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	d	TRANSFORMER POLE		FL WH	FLOOD LIGHT WEATHER HEAD	
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	© ₩	BOND AND GROUND	<u>–</u> T _{B&G}	SEC	SECONDARY POWER	

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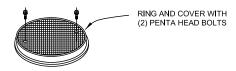
NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY. ONE CALL SYSTEM @ 1-800-227-6477

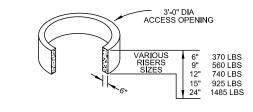


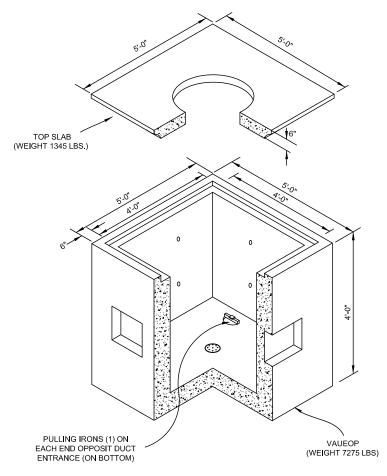
TO CONSTRUCTION ACTIVITY. ONE CALL SYSTEM @ 1-800-227-6477

WITHOUT SPECIFIC WRITTEN PERMISSION.

CAPITOL CONCRETE PRODUCTS, INC



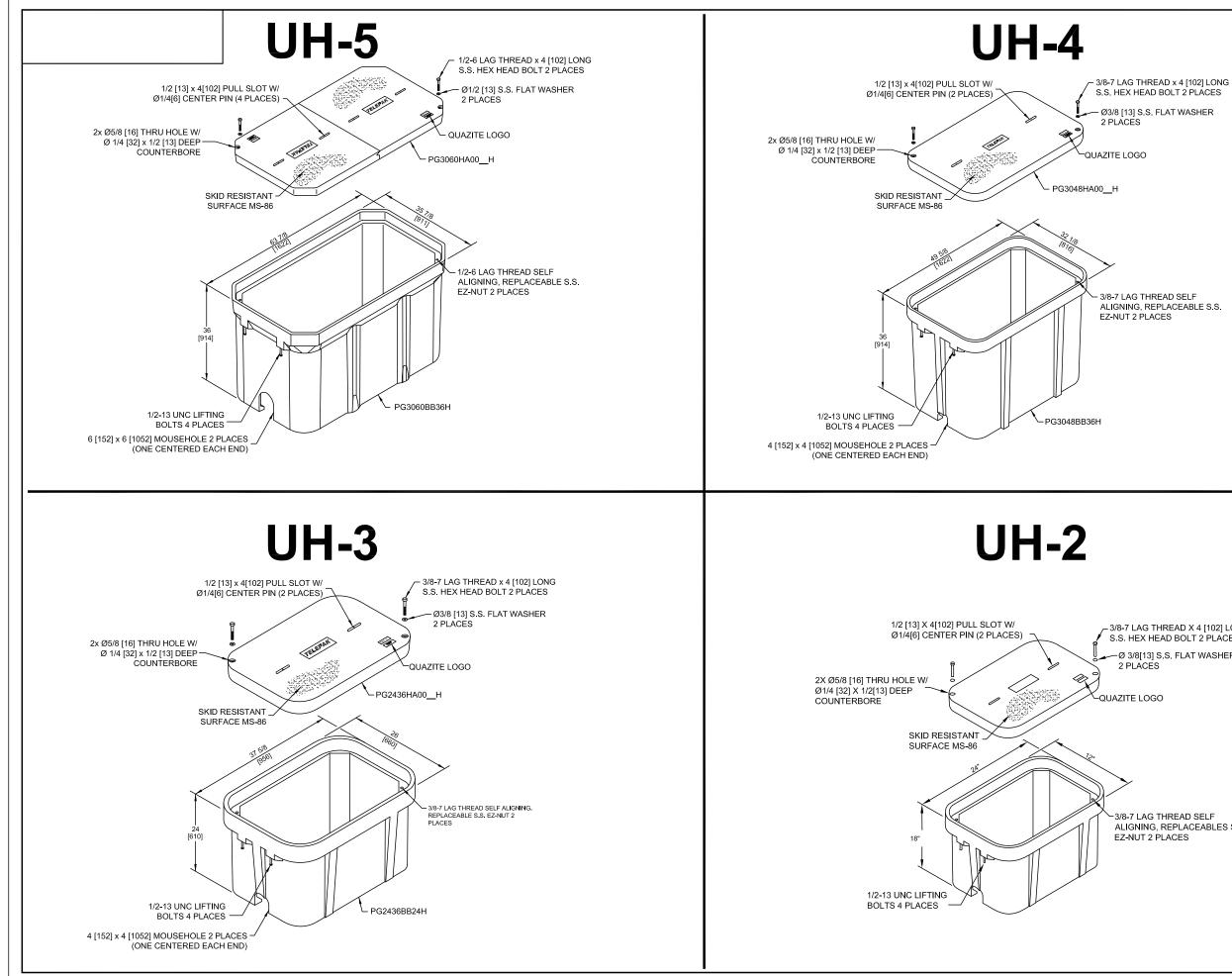




FIBER OPTIC/LIGHTGUIDE SPLICE VAUEOP 4'-0"X4'-0"X4'-0"

GRADE 60 REINFORCEMENT 4500 PSI CONCRETE REINFORCEMENT FOR AASHTO M-20 LOADING

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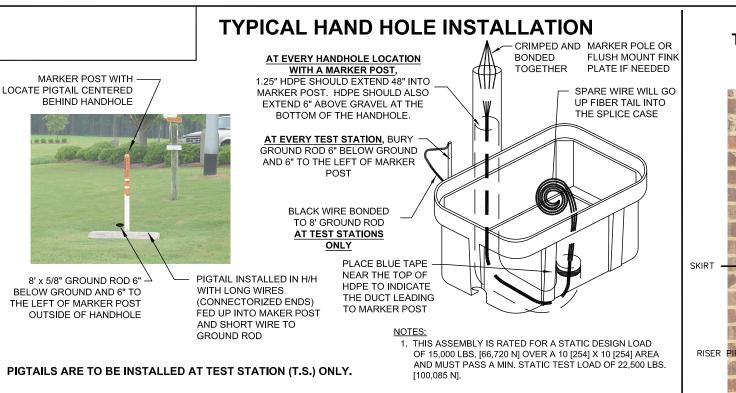


– 3/8-7 LAG THREAD X 4 [102] LONG S.S. HEX HEAD BOLT 2 PLACES Ø 3/8[13] S.S. FLAT WASHER

ALIGNING, REPLACEABLES S.S.

NOT	IFY	ALL	. UTILITIE	ES	72	HOURS	PRIOR
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4	BURIED SLA		0'	
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6	5" HDPE CA	SING	0'	
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CONFID CC WIT	ENCE AND SHALL PPIED, OR USED HOUT SPECIFIC V	. NOT E FOR AN VRITTEN	Y PURPO PERMISS	DDUCED, DSE SION.



HANDHOLES ARE TO BE INSTALLED A MINIMUM OF THREE FEET FROM ANY UTILITY OR POWER POLE.

BOXES (Nestable)

DESCRIPTION	PART NO.	WEIGHT	DESIGN/TEST LOAD#
UH-5 30x60x36	PG3060Z501	933# 423KG.	15'000 LBS
UH-4 30x48x36	PG3048Z579	563# 255KG.	15'000 LBS
UH-3 24x36x24	PG2436Z905	284# 129KG.	15'000 LBS

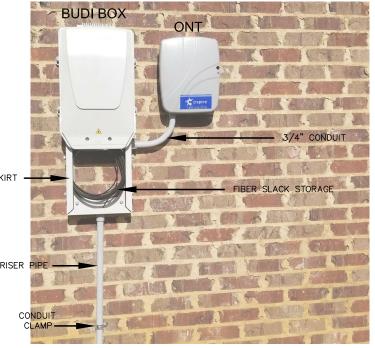
DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE NOTED.

2. ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF ANSI/SCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" AS MANUFACTURED BY QUAZITE OR EQUIVALENT WITH TELEPAK NETWORK'S ENGINEER'S SIGNED APPROVAL. THE COVERS MUST BE RATED FOR TIER 15 APPLICATIONS AND BOXES RATED FOR TIER 22 APPLICATIONS AND IN NO ASSEMBLY CAN THE COVER DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE MANUFACTURED USING MATCHED SURFACE TOOLING. ALL COVERS ARE REQUIRED TO HAVE A MINIMUM COEFFICIENT OF ERICTION OF 0.50 IN ACCORDANCE WITH ASTM C 1028 AND HAVE TIER 15 AND "TELEPAK NETWORKS 800-342-3716" EMBOSSED ON THE TOP SURFACE, ALL COVER BOLTS TO BE SELF-CLEANING AUGER BOLT ASSEMBLIES.

PUNCH 1.5" HOLE INTO THE

SIDE OF THE UH-1

TYPICAL BUDI BOX, SKIRT & ONT COMBO OUTDOOR INSTALLATION PROCEDURES AT BUILDING ENTRIES

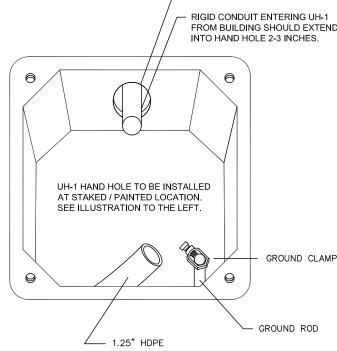


- PLEASE MOUNT BUDLBOX 36" OFF THE GROUND UNLESS OTHERWISE STATED ON THE DRAWINGS BUDI BOX & ONT INSTALLATION LOCATION WILL BE SHOWN ON THE CONSTRUCTION DRAWINGS. PLEASE DO NOT USE PICTURES AS A HEIGHT INDICATOR FOR THE INSTALLATION. 3. MOUNT 3' RISER PIPE TO THE WALL USING SHOWN CONDUIT STRAPS. 4. JOIN RISER PIPE TO SKIRT AT SHOWN LOCATION & MOUNT BUDI BOX & SKIRT TO WALL 5. USING A 3/4" SWEEPING 90, CONNECT SKIRT TO ONT AND MOUNT ONT TO WALL.
- PLACE FIBER FROM DUCT INTO RISER PIPE AND INTO SKIRT LEAVING A 5' SLACK LOOP.

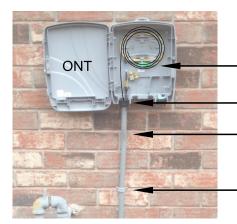
TYPICAL UH-1 / UH-2 HAND HOLE **INSTALLATION PROCEDURES AT BUILDING ENTRIES**



UH-1 / UH-2 INSTALLATION LOCATION WILL BE MARKED BY A STAKE AND/OR PAINT. CSPIRE/ **OSP WILL INSTALL CONDUIT 8" UNDERGROUND** TO DESIRABLE UH-1 LOCATION.



TYPICAL ONT OUTDOOR INSTALLATION PROCEDURES AT BUILDING ENTRIES



- 1. PLEASE MOUNT ONT 48" OFF THE GROUND UNLESS OTHERWISE STATED ON THE DRAWINGS. 2. ONT & FDP INSTALLATION LOCATION WILL BE SHOWN ON THE CONSTRUCTION DRAWINGS. PLEASE DO NOT USE PICTURES AS A HEIGHT INDICATOR FOR THE INSTALLATION. MOUNT ONT AS CLOSE TO THE POWER METER AS POSSIBLE
- 3. DUCT PLACED BY DIRECTIONAL BORING SHOULD MEET THE RISER PIPE UNDERGROUND NEAR THE BASE OF THE WALL. A 4" GAP BETWEEN THE DUCT AND THE RISER PIPE IS ACCEPTABLE.
- 4. MOUNT 4' RISER PIPE TO THE WALL USING SHOWN CONDUIT CLAMPS.
- 5. JOIN RISER PIPE TO ONT AT SHOWN LOCATION & MOUNT ONT TO THE WALL.
- 6. PLACE FIBER FROM DUCT INTO RISER PIPE AND INTO ONT.
- 7. LEAVE 5' OF SLACK INSIDE OF THE ONT. SLACK SHOULD BE LOOSELY STORED AND NOT LOOPED TIGHTLY.

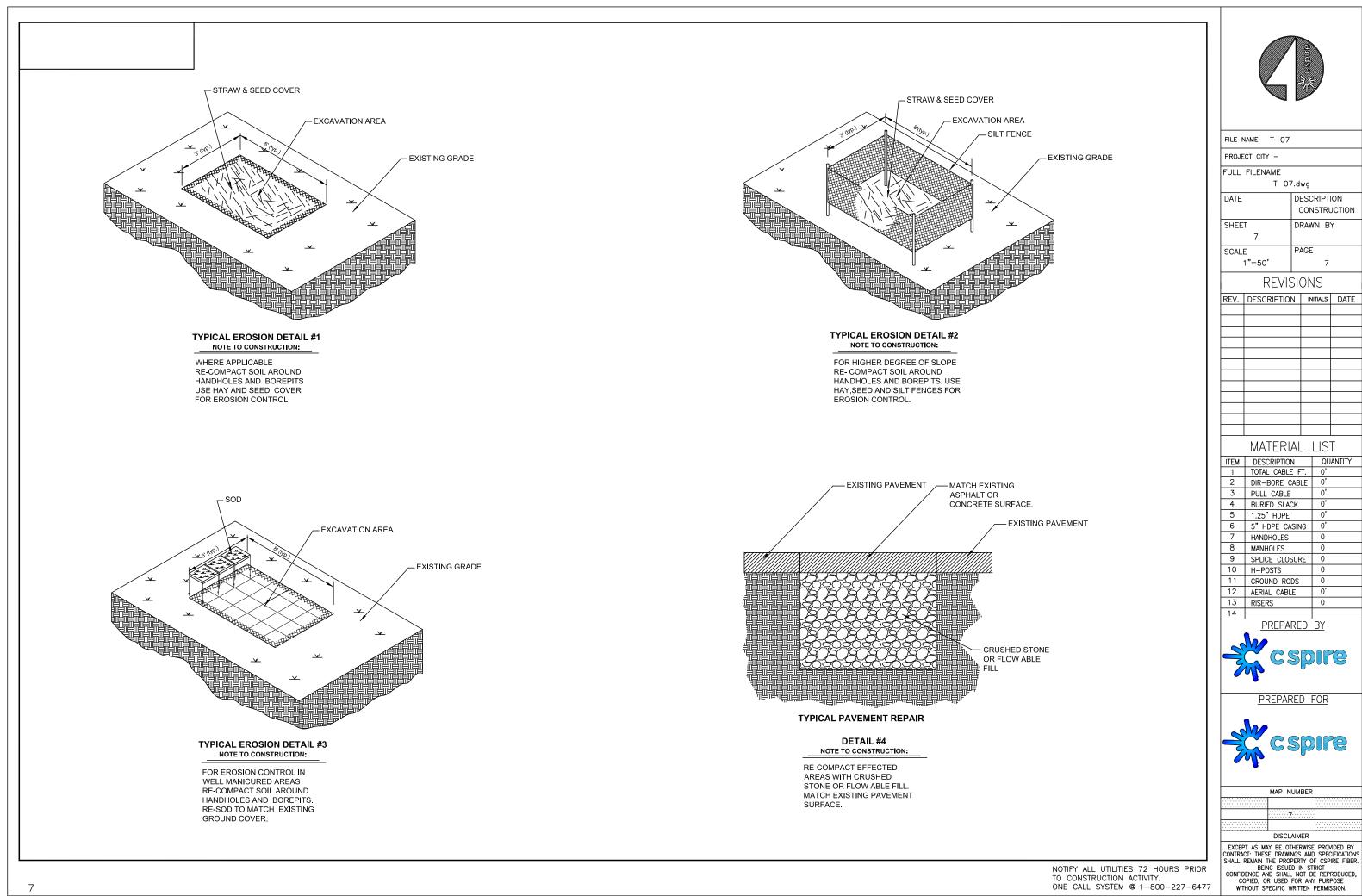
BUDI BOX, SKIRT & ONT COMBO OUTDOOR INSTALLATION COMPLETED INSTALL



- 5' SLACK LOOP
- UNION OF PIPE AND ONT
- RISER PIPE
- CONDUIT CLAMP

NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY. ONE CALL SYSTEM @ 1-800-227-6477

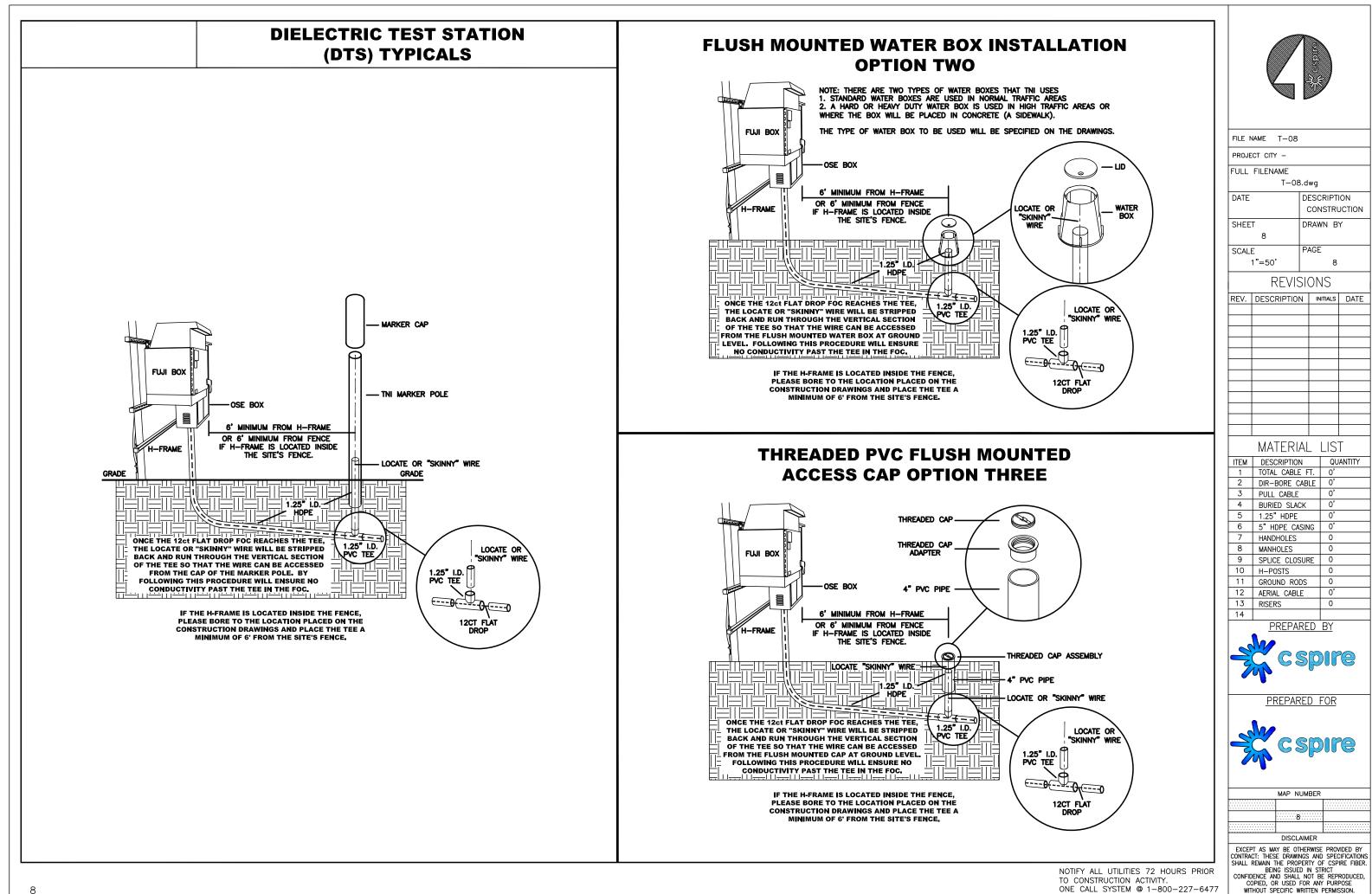
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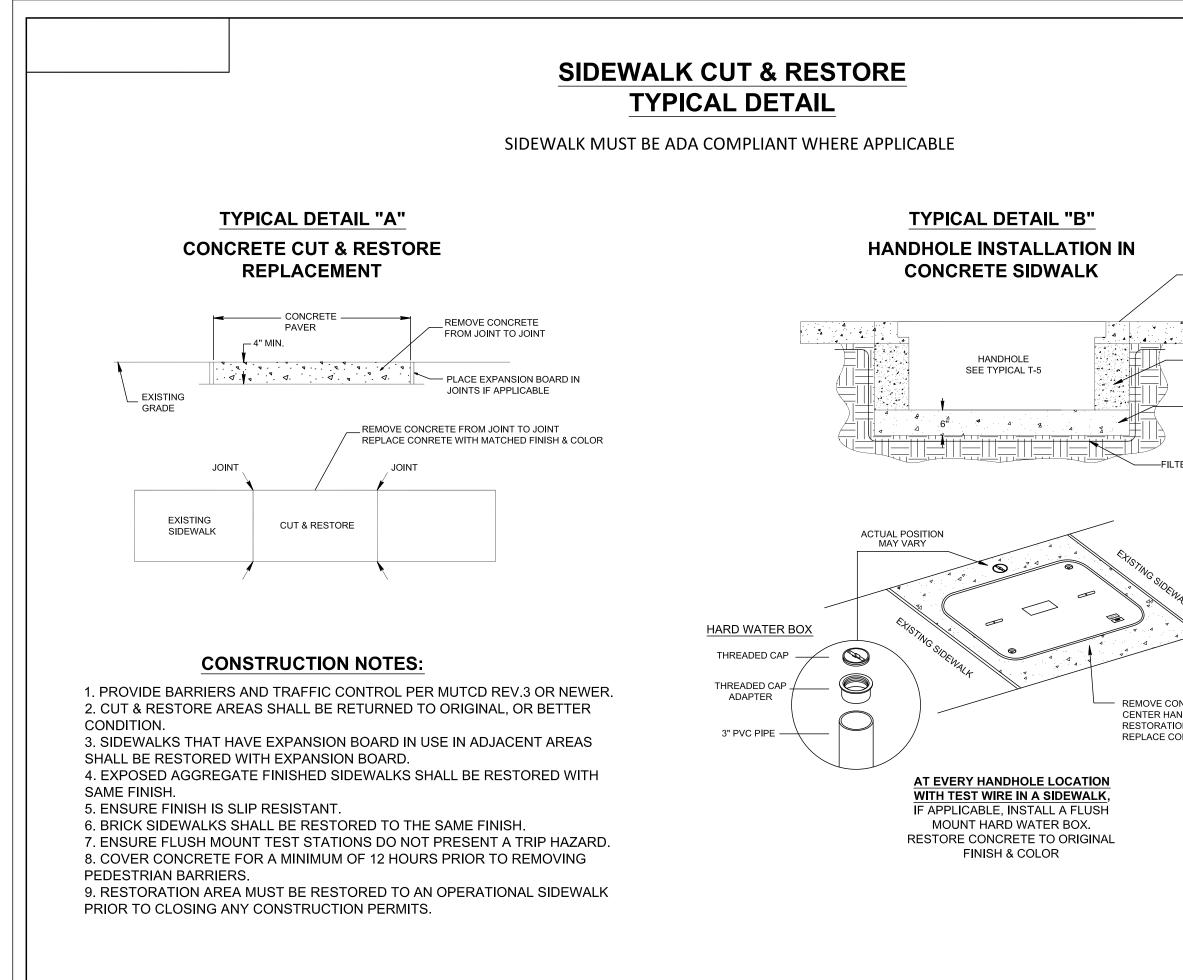


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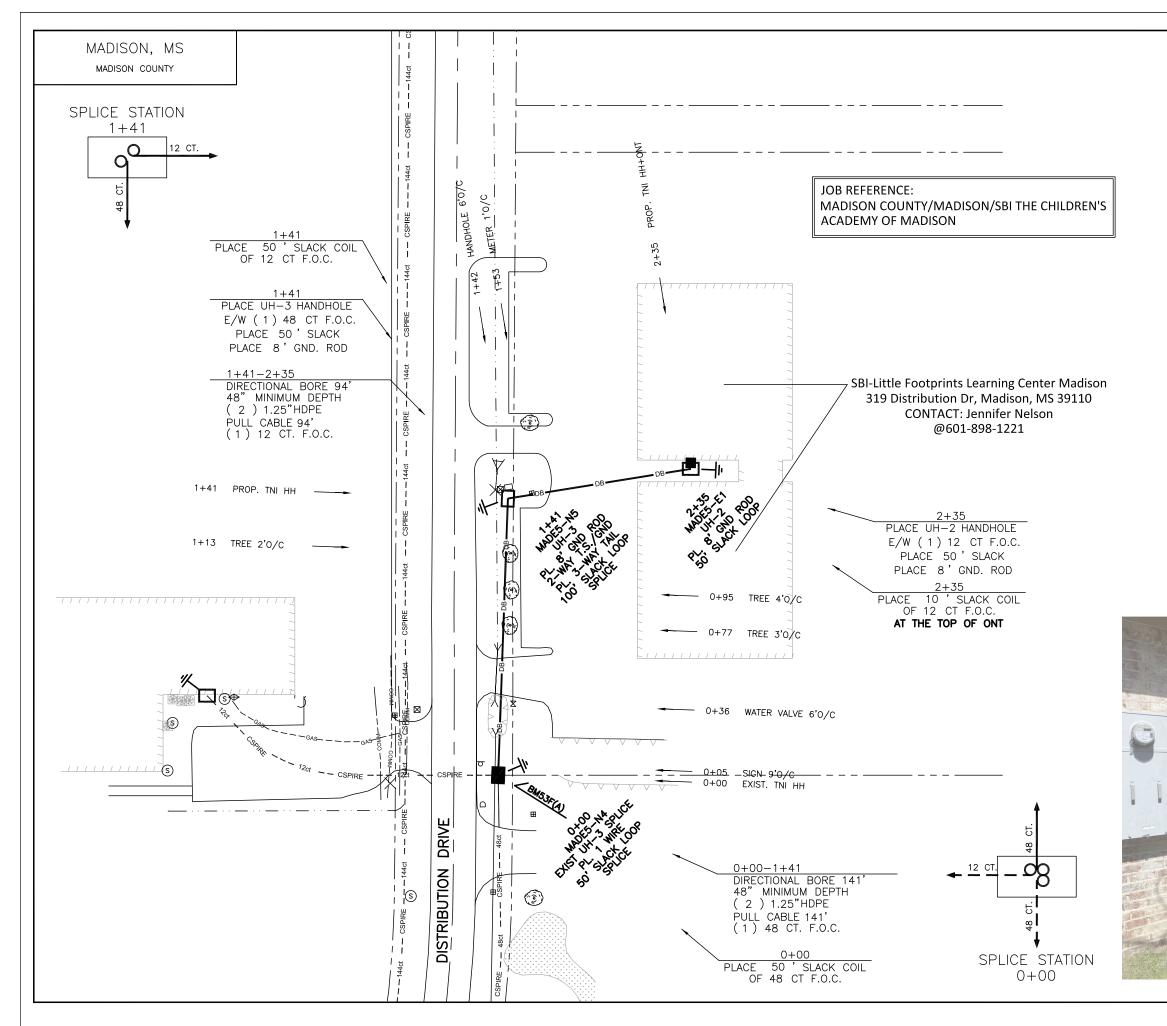
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY. ONE CALL SYSTEM © 1-800-227-6477