

MARYLAND BROADBAND COOPERATIVE, INC. ELLIOTT ISLAND, MARYLAND

JURISDICTION: DORCHESTER COUNTY, MARYLAND

ELLIOTT ISLAND PROPOSED FIBER OPTIC CABLE INSTALLATION AERIAL & UNDERGROUND DRAWINGS



NOTIFY "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO DOING ANY EXCAVATION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN WITHIN THESE PLANS ARE AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

LOCATION MAP

NOT FOR CONSTRUCTION

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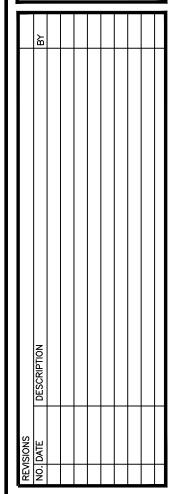
58-59 IMPACT TOTALS SHEET



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2129A Northwood Drive



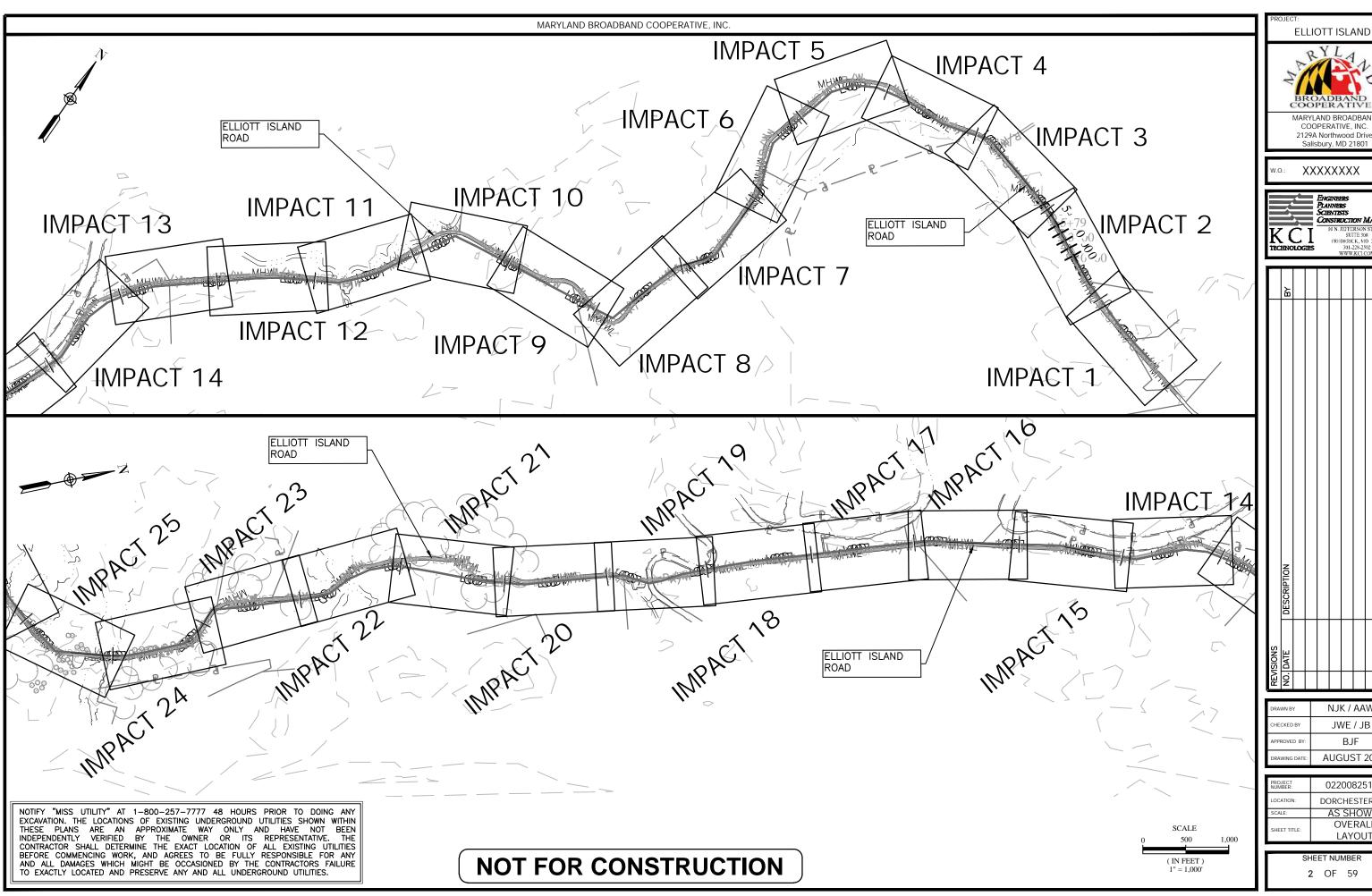
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APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B	
LOCATION:	DORCHESTER, MD	
SCALE:	AS SHOWN	
SHEET TITLE:	TITLE SHEET	

SHEET NUMBER

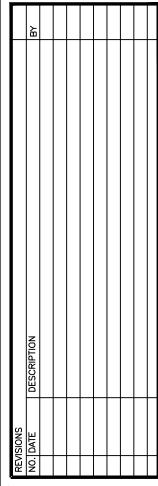
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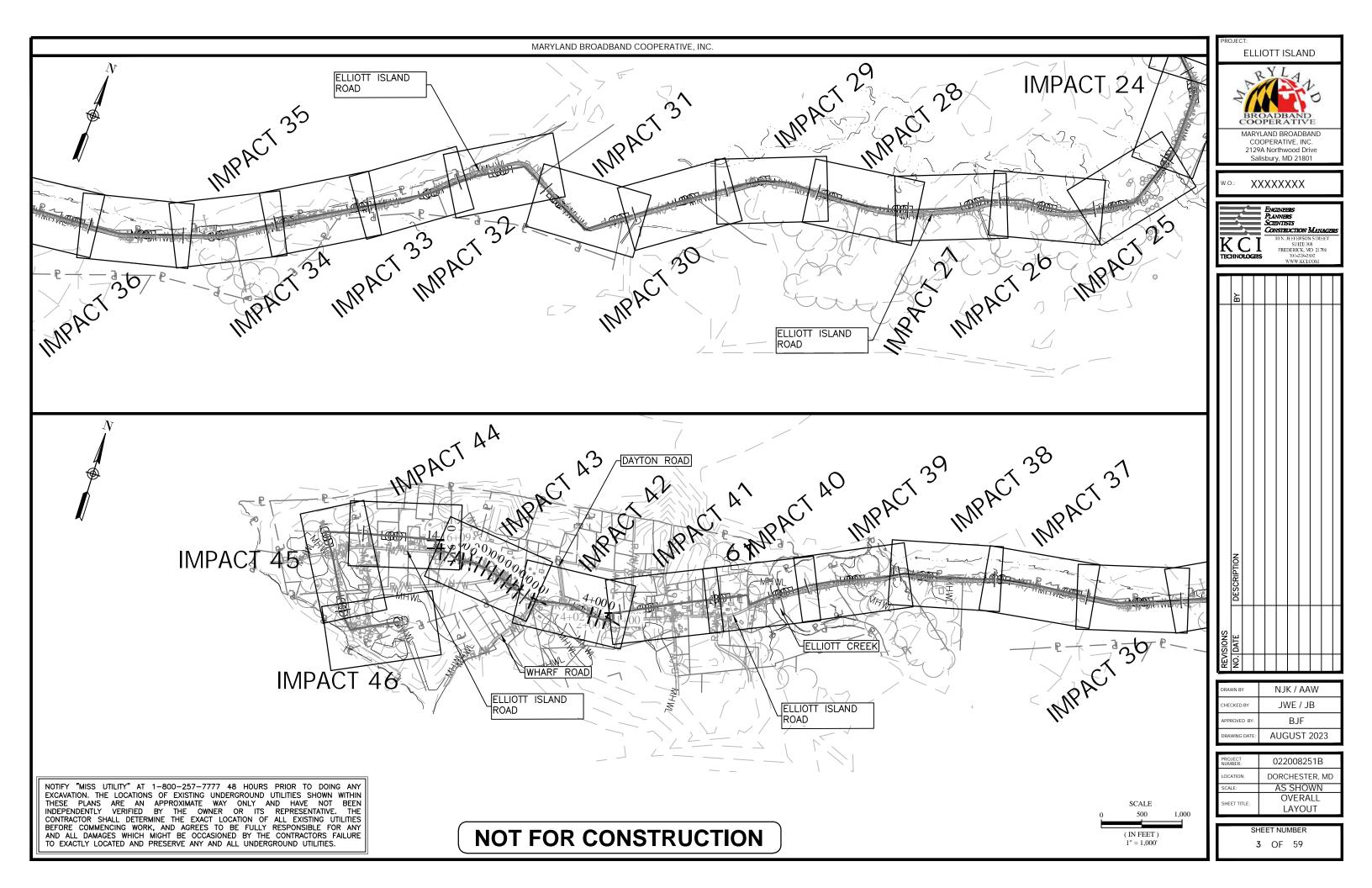


CONSTRUCTION MANAGERS 10 N. JEFFERSON STREET SUITE 308 FREDERICK, MD 21701 301-228-2502 WWW.KCI.COM



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APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	OVERALL
SHEET TILE.	LAYOUT



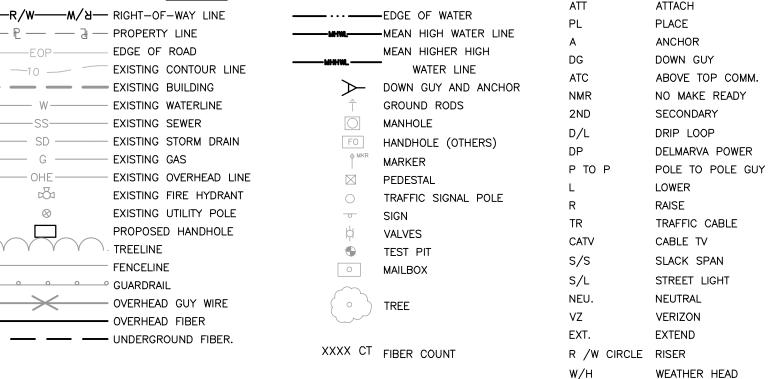
CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" (1-800-257-7777) AT LEAST FIVE 5 WORKING DAYS PRIOR TO STARTING ANY WORK.
- 2. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. KCI TECHNOLOGIES, INC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR SHALL VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION. IN THE EVENT THAT INFORMATION IS IN CONFLICT WITH INFORMATION OUTLINED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO STARTING ANY WORK.
- 3. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN HEREON BEFORE STARTING ANY WORK ON THESE PLANS. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR THE COST OF ANY AND ALL DAMAGES WHICH OCCUR AS A RESULT OF A FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES. HAND DIG WHERE REQUIRED.
- 4. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 5. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THIS PROJECT WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
- 6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION FROM THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 7. WHERE TRENCHING TECHNIQUES ARE USED THE MINIMUM DEPTH TO THE TOP OF CONDUIT WILL BE 36" UNLESS APPROVED BY THE PROJECT ENGINEER.
- 8. ALL EXCAVATIONS WILL HAVE FIBER OPTIC WARNING TAPE INSTALLED A MINIMUM OF 11" BELOW FINAL GRADE.
- 9. WHENEVER DIRECTIONAL BORING IS UTILIZED TO INSTALL CONDUITS ALL EXCAVATIONS SHALL BE BACKFILLED PER MONTGOMERY COUNTY REQUIREMENTS.
- 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL MDSHA OR LOCAL AGENCY TRAFFIC LOOPS LOCATED.
- 11. CONFIRM MDSHA OR LOCAL AGENCY CORRESPONDENCE, THAT ALL TRAFFIC LOOP LOCATIONS HAVE BEEN COORDINATED FOR MARKING.
- 12. AT THE END OF EACH WORK DAY CONDUIT CAPS WILL BE PLACED ON ALL VACANT DUCTS.
- 13. A MINIMUM BENDING RADIUS OF 24" FOR FIBER CABLE WILL BE ADHERED TO.
- 14. MAXIMUM CABLE INSTALLATION TENSION SHALL NOT EXCEED 600 POUNDS.
- 15. IF APPLICABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND STORAGE OF ALL SHRUBBERY TO BE REPLACED.
- 16. RESTORATION OF THE CONSTRUCTION AREA TO ORIGINAL OR BETTER CONDITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 17. PLACE 6" OF 3/4" CRUSHED ROCK IN THE BOTTOM OF THE PIT PRIOR TO PLACING THE HANDHOLE.
- 18. ALWAYS HAND DIG WITHIN 2' OF MARKED UTILITIES.
- 19. PLACE A COIL OF SLACK IN EACH HANDHOLE/MANHOLE AS SPECIFIED.
- 20. EXCAVATE OUTSIDE THE DRIP LINE OF ALL TREES TO PREVENT ROOT DAMAGE. FIELD ADJUST CONDUIT RUN AS NEEDED TO COMPLY WITH THIS REQUIREMENT.
- 21. CONSTRUCTION MATERIALS AND STAGING AREAS ARE NOT PERMITTED WITHIN 25' BUFFER ZONE OF WETLANDS, CREEKS, AND STREAMS. THE CURB AND GUTTER IS NOT TO BE DISTURBED WITHOUT PRIOR APPROVAL.
- 22. IN THE EVENT THAT IT IS NECESSARY TO REMOVE ANY PORTION OF THE CURB AND GUTTER, IT IS TO BE REPLACED SEAM TO SEAM IN A MATCHING CONFIGURATION TO THE ADJACENT CURB AND GUTTER.

GENERAL NOTES

LEGEND

- 1. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
- 2. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, COUNTY, & LOCAL REGULATORY AGENCIES. INCLUDING BUT NOT LIMITED TO OSHA, MDSHA, ETC.
- 3. THE CONTRACTOR SHALL CONTACT THE ADJACENT PROPERTY OWNERS A MINIMUM OF 24 HOURS IN ADVANCE OF CONSTRUCTION AT THE WORK SITE.
- . ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS STARTED. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.
- 5. PEDESTRIAN TRAFFIC AREAS MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS MAY NOT BE REROUTED ONTO PRIVATE PROPERTY OR INTO STREETS.
- 6. NO EQUIPMENT OR MATERIALS SHALL BE STORED OR PERMITTED TO STAND UNPROTECTED WHERE TRAFFIC IS MAINTAINED.
- 7. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON ROAD SURFACE DURING NON-WORKING PERIODS.
- 8. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON SIDEWALK AT ANY TIME.
- 9. EXCAVATION MATERIAL SHALL BE STORED AWAY FROM THE PAVED ROADWAY. ALL SPILLED MATERIAL WILL BE REMOVED IMMEDIATELY.
- 10. EXISTING SIGNS, DELINEATORS, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC., THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THEIR ORIGINAL CONDITION OR TO THE SATISFACTION OF THE INSPECTING ENGINEER, PROPERTY OWNER, CITY, COUNTY, STATE AND/OR ANY OTHER AGENCY HAVING AUTHORITY/JURISDICTION.
- 11. CITY, COUNTY, STATE ROAD SIGNS, DELINEATORS, GUARDRAILS, ETC. SHALL NOT BE REMOVED. WRITTEN PERMISSION SHALL BE REQUIRED PRIOR TO TO ANY EXCAVATION IN THIS AREA.
- 12. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY, COUNTY, STATE SPECIFICATIONS AND STANDARDS.
- 13. ALL PERSONS WHO FLAG TRAFFIC ON RIGHT-OF-WAY MUST BE MDSHA CERTIFIED FLAGGER.
- 14. ALL SURFACE AND SUBSURFACE RESTORATION IS TO BE IDENTICAL TO THE ADJACENT UNDISTURBED AREAS.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR ANY UTILITY DAMAGES. WHEN ANY PERSON DAMAGES A UTILITY LINE OR PROTECTIVE COATING DURING EXCAVATION OR DEMOLITION THE AFFECTED UTILITY WILL BE NOTIFIED IMMEDIATELY BY THE CONTRACTOR.
- 16. ON ALL WORK ASSOCIATED WITH MDSHA PROJECTS THE RESIDENT ADMINISTRATOR FOR MDSHA MUST BE NOTIFIED AT LEAST 48 HRS BEFORE STARTING WORK.
- 17. CONTRACTOR IS RESPONSIBLE FOR ALL DENSITY TESTING REQUIRED AND FOR SEDIMENT CONTROL REGULATIONS COMPLIANCE.
- 18. NO HANDHOLES ARE TO BE PLACED WITHIN DITCHLINES.
- 19. ALL MAINTENANCE OF TRAFFICE TO BE PERFORMED IN ACCORDANCE WITH MDSHA 2015 DESIGN STANDARDS, INDEX 600 SERIES.



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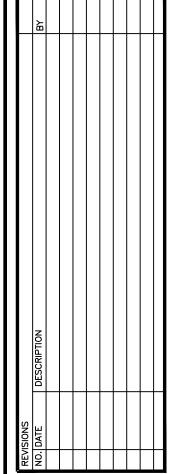


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Salisbury, MD 21801





ABBREVIATIONS

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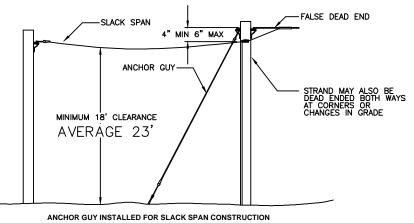
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PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	GENERAL NOTES
SHEET TILE.	LEGEND

SHEET NUMBER
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TYPICAL LASHED/OVERLASH AERIAL CABLE PLACEMENT



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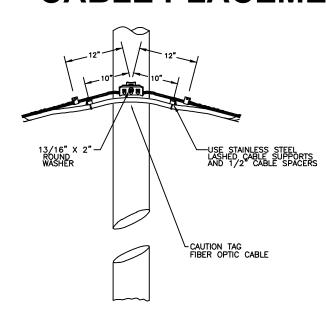
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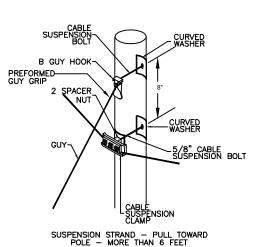
 1. SLACK SPAN CONSTRUCTION TO BE USED WHEN IT IS NOT POSSIBLE TO PLACE ANCHORS.

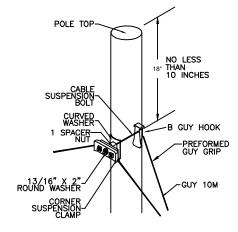
 2. SLACK SPAN CONSTRUCTION IS PREFERRED OVER PUSH/PULL BRACE.

 3. STRINGING TENSION FOR 10M STRAND AT 60° F IS MAX 2100lbs. MIN 300lbs.

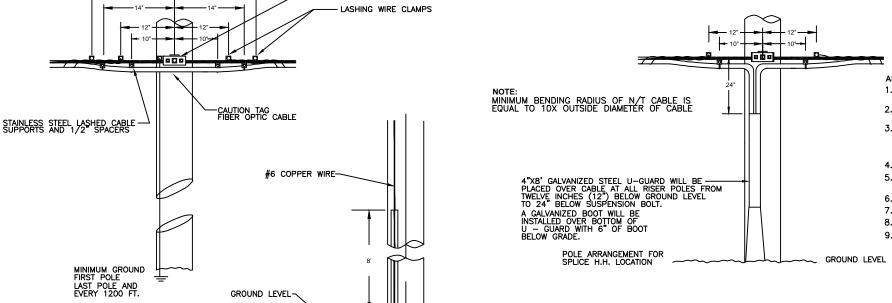
 4. FOR SLACK SPAN CONSTRUCTION. THIS IS APPROXIMATELY 1/2 OF NORMAL STRINGING TENSION.







SUSPENSION STRAND - PULL AWAY FROM POLE - 6 FEET OF OR MORE



3/4"X2 1/2" SQUARE WASHER

AERIAL CABLE PLACEMENT:

- 1. CONVENTIONAL AERIAL CONSTRUCTION TECHNIQUES WILL BE USED IN THE PLACEMENT OF FIBER OPTIC CABLE.
- 2. CABLE TENSION WILL BE MONITORED AND RECORDED AS THE CABLE IS PULLED THROUGH CABLE ROLLERS.
- 3. CABLE ROLLERS WILL BE SPACED AT A MAXIMUM INTERVAL OF THIRTY-FIVE FEET (35°). TYPE "B" ROLLERS WILL BE USED. CONTRACTORS ARE REQUIRED TO PROVIDE SUFFICIENT ROLLERS AND PULL-LINE TO PLACE AT LEAST 25,000 FT OF CABLE IN A SINGLE PULL.
- 4. AERIAL CABLE GUIDES WILL BE USED.
- 5. 10M UTILITY GRADE GALVANIZED STEEL STRAND WILL BE USED AND TENSIONED WITH A STRAND DYNAMOMETER (UNLESS OTHERWISE NOTED ON PRINT)
- 6. STRAND WILL BE PLACED AS SPECIFIED ON ENGINEERING PLANS.
- 7. PRELASHING OF CABLE TO STRAND WILL NOT BE ALLOWED.
- 8. CABLE WILL BE DOUBLE LASHED WITH 45 MIL STAINLESS LASHING WIRE.
- 9. HIGH IMPACT POLYVINYL CHLORIDE HELICAL STRIP TREE GUARDS (PREFORMED LINE PRODUCTS PART NUMBER PTG-0112 / PTG-0146) WILL BE PLACED AT ALL LOCATIONS WHERE CROWN CASTLE FIBER CONTACTS TREES AND BRANCHES OR WHERE PRINTS SPECIFY.



ELLIOTT ISLAND

MARYLAND BROADBAND COOPERATIVE, INC.

2129A Northwood Drive Salisbury, MD 21801

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Planners Scientists

TECHNOLOGIES

CONSTRUCTION MANAGER

SUITE 308 FREDERICK, MD 21701

301-228-2502 WWW.KCLCOM

PROJECT NUMBER:	022008251B
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AUGUST 2023

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	SHEET TITLE:	TYPICAL
		AERIAL

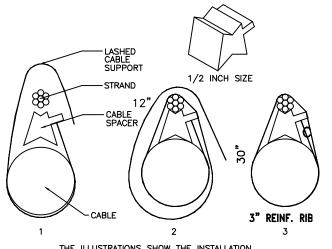
SHEET NUMBER 5 OF 59

- 3. GROUND WIRE WILL CLEAR ALL HARDWARE BY 2" MIN. AND SHALL BE STAPLED TO MAINTAIN THIS POSITION.
- 4. ROUND WIRE WILL BE COVER WITH A 1/2" DIA. GROUND WIRE MOLDING.

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TYPICAL LASHED/OVERLASH AERIAL

CABLE PLACEMENT (cont'd)

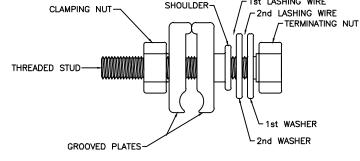


THE ILLUSTRATIONS SHOW THE INSTALLATION OF THE LASHED CABLE SUPPORT. THE BUCKLE OF THE SUPPORT SHOULD BE IN APPROXIMATELY THE POSITION SHOWN. THE STRAP SHOULD FIRST PASS UNDER THE CABLE, NOT OVER THE STRAND.

INSTALLATION OF THE LASHED CABLE SUPPORT AND CABLE SPACER

PULL CABLE THIS DIRECTION LASH IN THIS DIRECTION

C LASHING WIRE GRIP INSTALLED ON STRAND

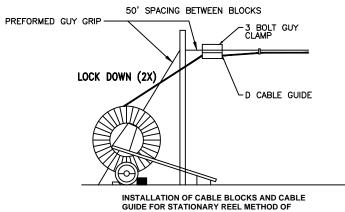


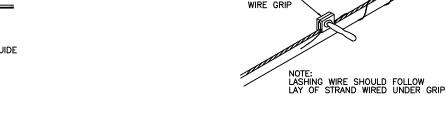
D CABLE LASHING CLAMP

REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF 3/4" BEYOND THE END OF THE CLAMP.

FORM THE LASHING WIRE AROUND THE STRAND AND PLACE IT BELOW THE STUD AND BETWEEN THE SECOND WASHER AND STUD SHOULDER. A MINIMUM OF TWO (2) LASHING WIRES PER LASHING CLAMP

-1st LASHING WIRE





C LASHING

- PREFORMED GUY GRIP -CABLE LASHER APPROX. 4' CABLE GUIDE 10m UTILITY GRADE
GALVANIZED STEEL STRAND — -TOP OF U GUARD GUY WIRE, 10M UTILITY GRADE STEEL GALVANIZED STRAND TO CABLE REEL-CABLE-WOOD POLE PULLING HEIGHT THE IDEAL LEAD TO HEIGHT RATIO WILL BE AT ONE TO ONE AND IN NO CASE LESS THAN THREE TO VARIES FOUR INCH (4") GALVANIZED STEEL U-GUARD WILL BE PLACED OVER FOUR (3/4) WITH THE EXCEPTION OF CABLE AT ALL RISER POLES FROM TWELVE INCHES (12") BELOW GRADE LEVEL TO TWENTY FOUR INCHES (24") SIDE WALK GUYS. 7' X 3/4" X 8" SINGLE HELIX SCREW ANCHOR BELOW SUSPENSION BOLT. A GALVANIZED BOOT WILL BE INSTALLED OVER BOTTOM OF U— GUARD WITH 6" OF BOOT BELOW GRADE. HDPE TO 6" ABOVE GRADE 2" PVC SCHEDULE 40 36" MINIMUM BENDING RADIUS

LASHED CABLE SUPPORT WITHOUT SPACERS
AT EACH TRACK CROSSED.

RAIL
TIE
BALLAST

LASHED AERIAL CABLE PLACEMENT OVER RAILROAD CROSSING

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TYPICAL ARRANGEMENT OF CABLE LASHER AND CABLE GUIDE

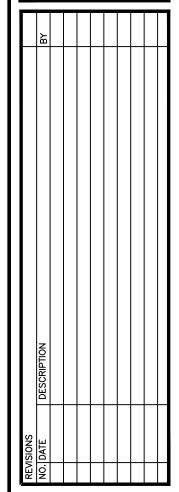
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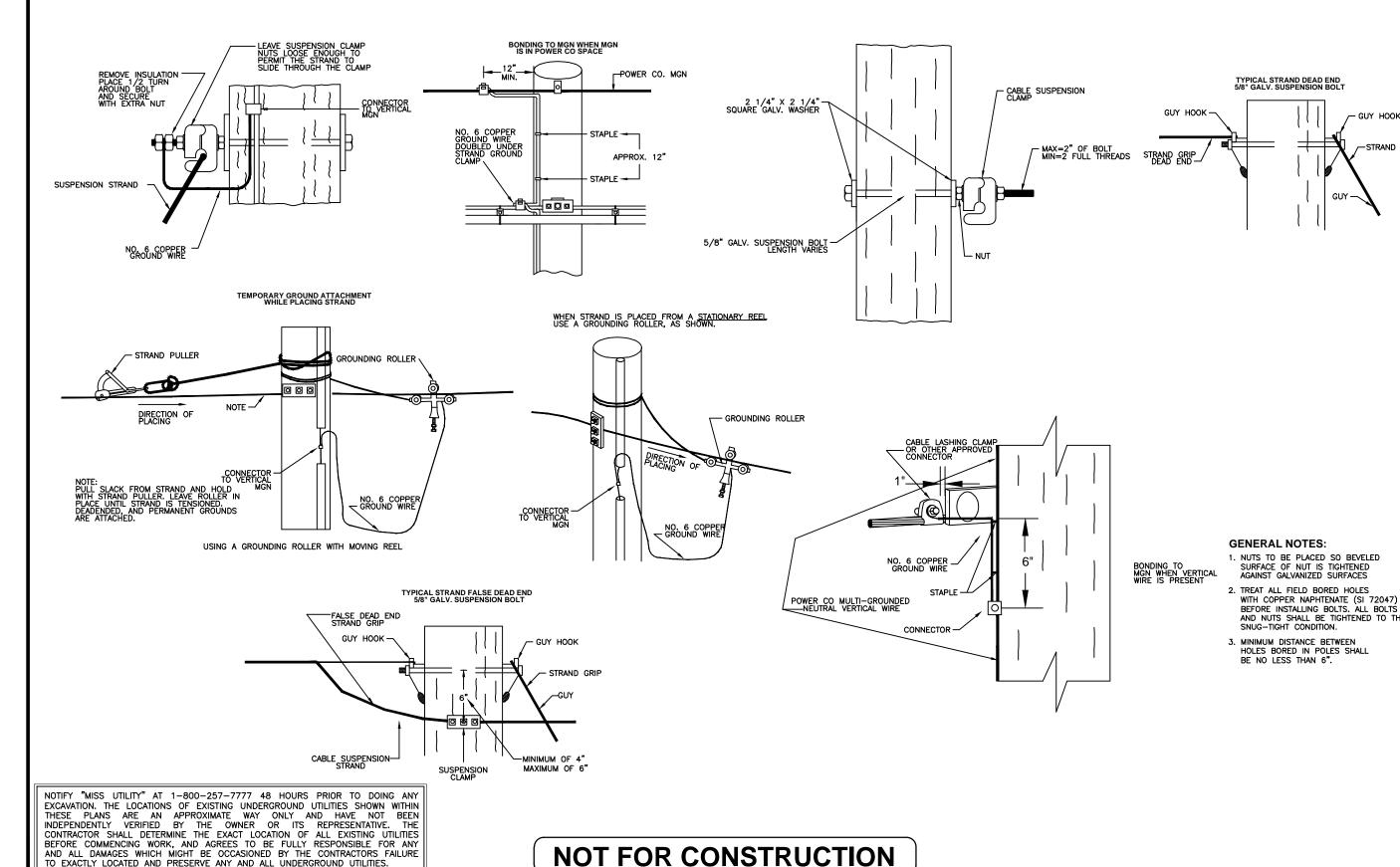
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		AERIAL

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TYPICAL AERIAL BONDING AND GROUNDING FOR WOOD DISTRIBUTION POLES ARRANGEMENTS



TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



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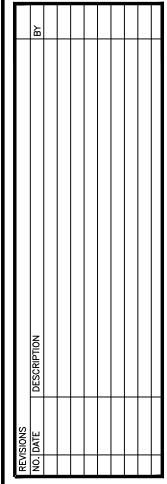
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- GUY HOOK

GUY



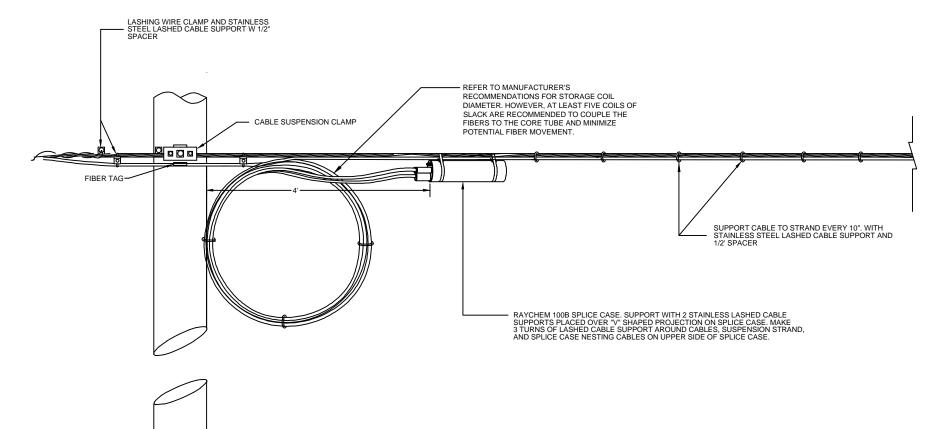


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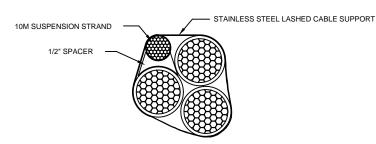
SHEET NUMBER 7 OF 59

TYPICAL AERIAL SPLICE ARRANGEMENT



GROUND SPLICE CASE TO SUSPENSION STRAND WITH #6 AWG SOLID COPPER BOND WIRE.

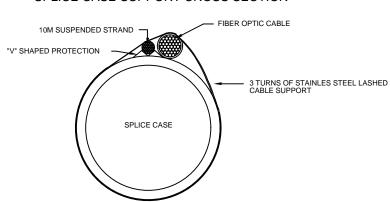
CABLE SUPPORT DETAIL CROSS SECTION



MAKE 1 TURN OF LASHED CABLE SUPPORT AROUND SUSPENSION STRAND AND LOWER CABLE, FOLLOWED BY 2 TURNS AROUND SUSPENSION STRAND AND BOTH CABLES

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SPLICE CASE SUPPORT CROSS SECTION



NOT FOR CONSTRUCTION



W.O.: XXXXXXXX

2129A Northwood Drive Salisbury, MD 21801



ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
10 N. JEFFERSON STREET
SUITE 308
FREDERICK, MD 21701

SUITE 308 FREDERICK, MD 21701 301-228-2502 WWW.KCI.COM

REVISIONS		
NO. DATE	DESCRIPTION	BY

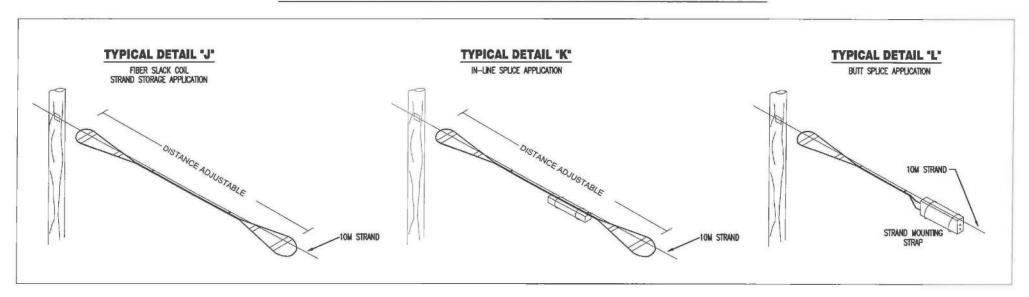
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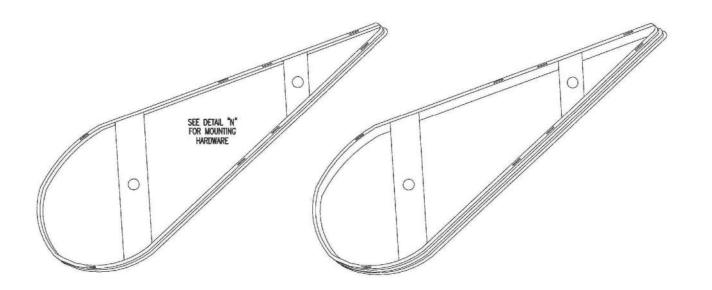
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TYPICAL DETAIL FOR AERIAL SLACK COIL STORAGE



TYPICAL DETAIL "M"

SINGLE & DOUBLE FIBER "SNOWSHOES"



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W.O.: XXXXXXXX



Engineers
Planners
Scientists
Construction Manager
10 n. Jefferson Street

IO N. JEFFERSON STREET SUITE 308 FREDERICK, MD 21701 301-228-2502 WWW.KCI.COM

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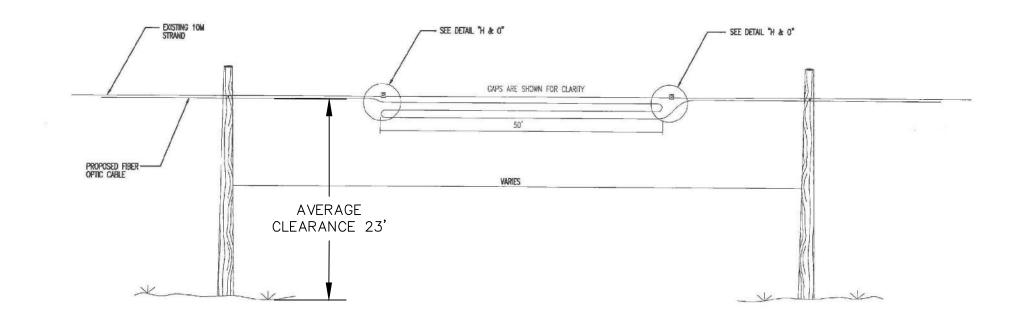
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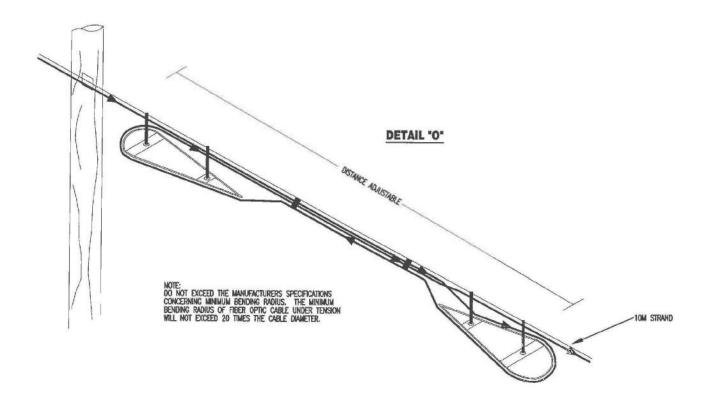
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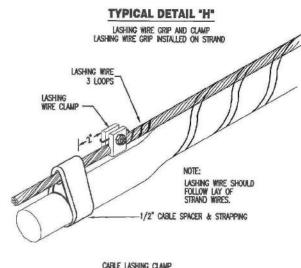
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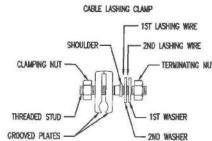
MARYLAND BROADBAND COOPERATIVE, INC.





NOTIFY "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO DOING ANY EXCAVATION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN WITHIN THESE PLANS ARE AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.





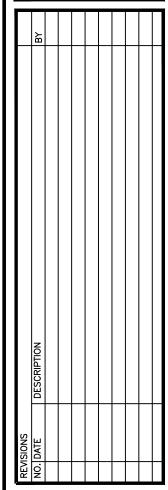
NOT FOR CONSTRUCTION



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W.O.: XXXXXXXX





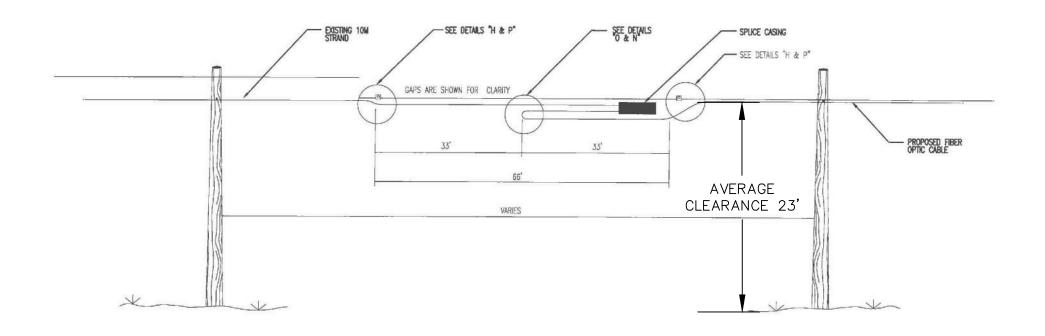
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	DRAWING DATE:	AUGUST 2023					

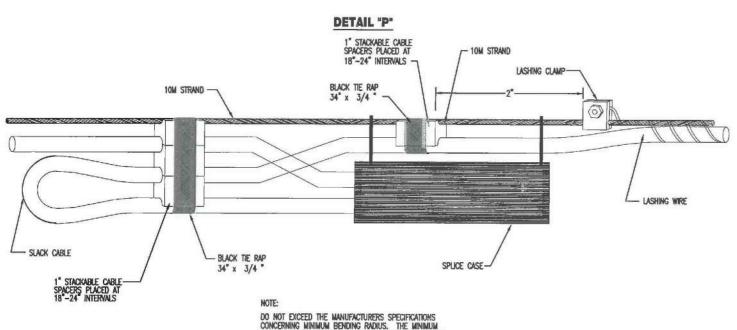
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	LOCATION:	DORCHESTER, MD
	SCALE:	AS SHOWN
	SHEET TITLE:	TYPICAL
		AERIAL

SHEET NUMBER

10 OF 59

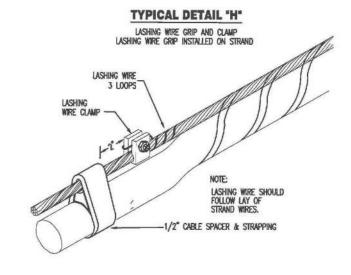
MARYLAND BROADBAND COOPERATIVE, INC.

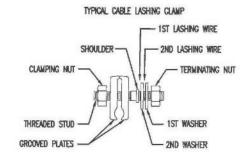




DO NOT EXCEED THE MANUFACTURERS SPECIFICATIONS CONCERNING MINIMUM BENDING RADIUS. THE MINIMUM BENDING RADIUS OF FIBER OPTIC CABLE UNDER TENSION WILL NOT EXCEED 20 TIMES THE CABLE DIAMETER.

NOTIFY "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO DOING ANY EXCAVATION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN WITHIN THESE PLANS ARE AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERRIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATED AND RESERVE ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.





NOT FOR CONSTRUCTION



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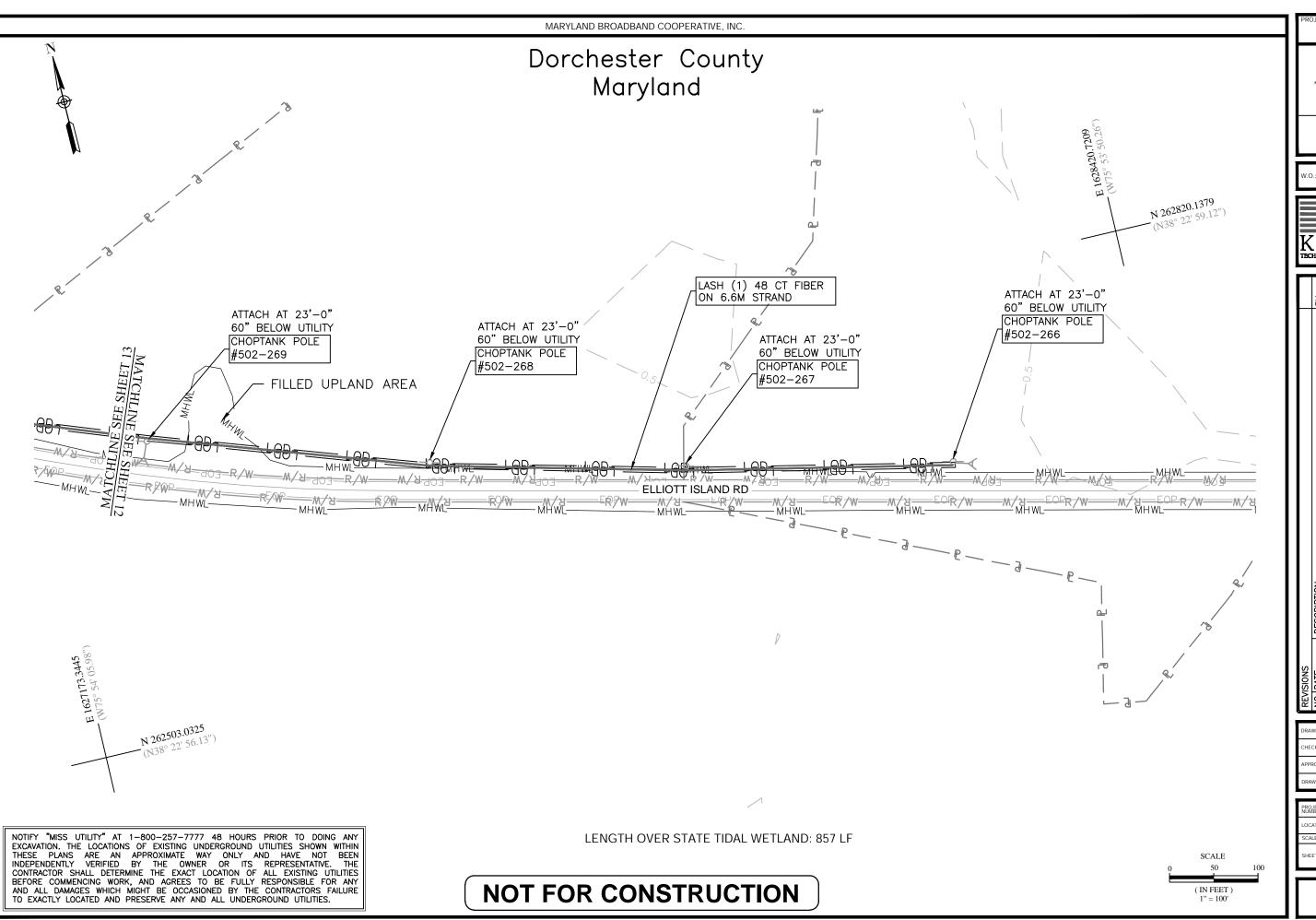


10 N. JEFFERSON STREET SUITE 308 FREDERICK, MD 21701 301-228-2502 WWW.KCLCOM

RE	REVISIONS		
2		DESCRIPTION	ВҮ

DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

	PROJECT NUMBER:	022008251B
	LOCATION:	DORCHESTER, MD
	SCALE:	AS SHOWN
	SHEET TITLE:	TYPICAL
		AERIAL



PROJECT:

ELLIOTT ISLAND

BROADBAND
COOPERATIVE

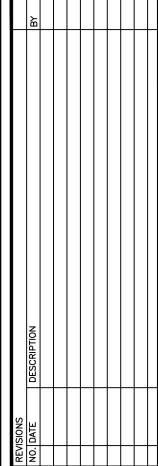
MARYLAND BROADBAND
COOPERATIVE, INC.

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ENGINEERS
PLANNIES
SCIENTISTS
CONSTRUCTION MANAGERS
10 N. JEFFERSON STREET
SUITF 308
FREDERICK, MD 21701
301-228-502
WWW.KCLCOM

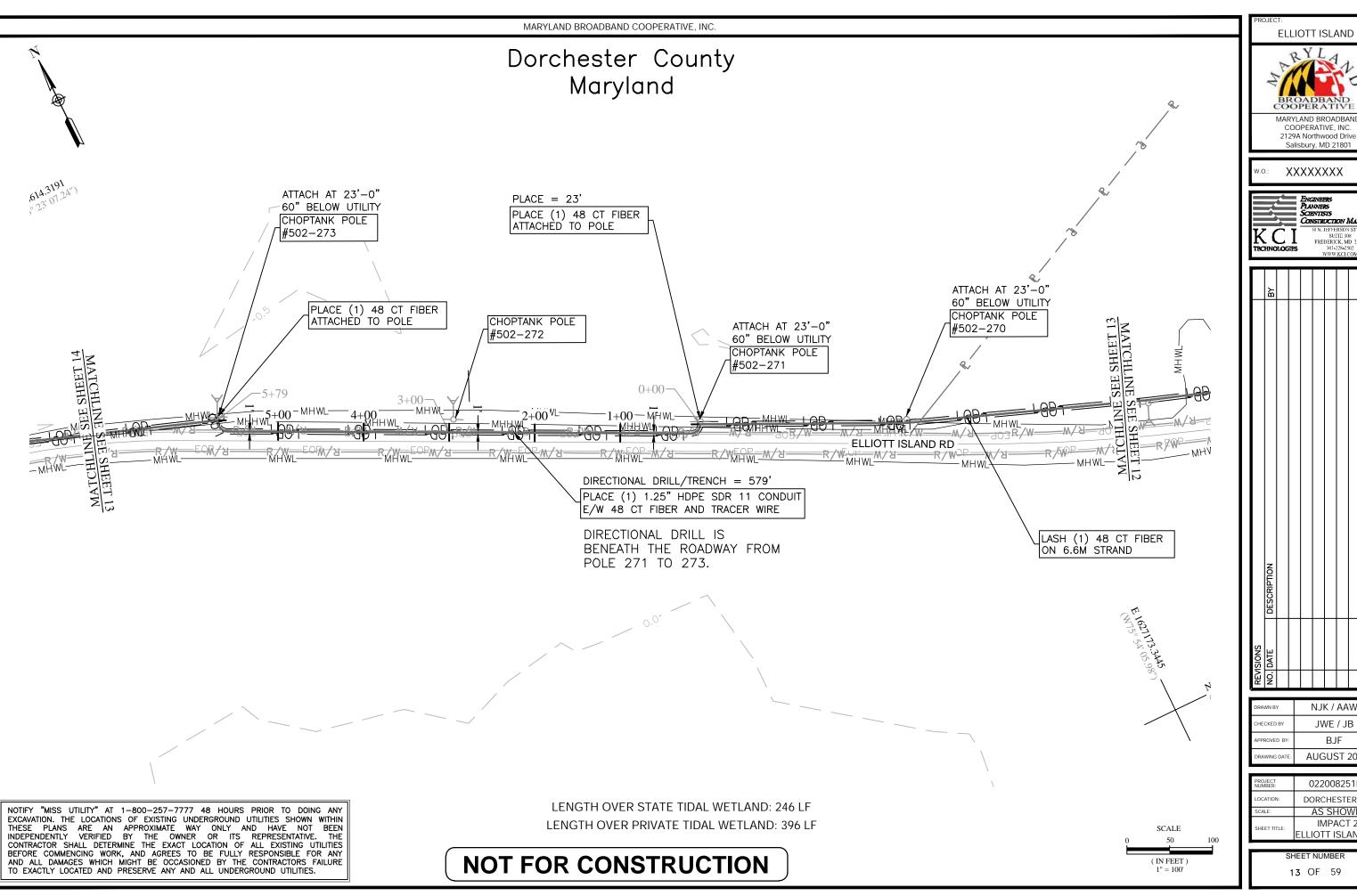


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	DRAWN BY	NJK / AAW					
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	DRAWING DATE:	AUGUST 2023					

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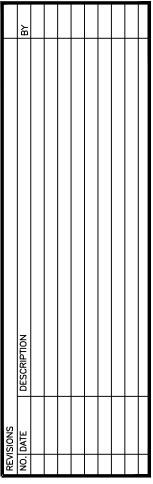
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12 OF 59



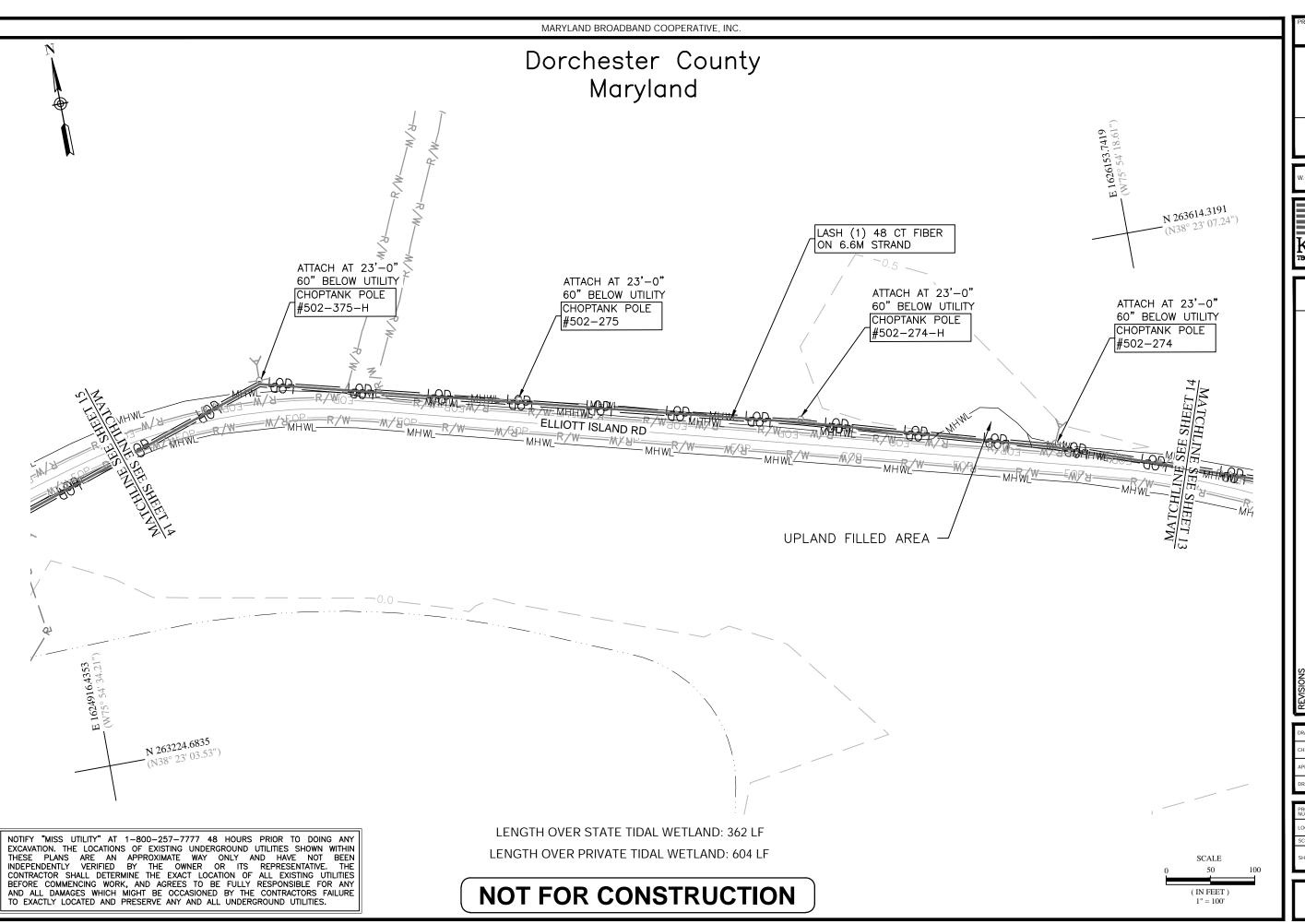






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DRAWING DATE:	AUGUST 2023

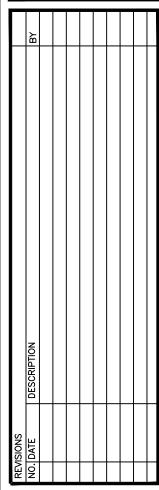
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2129A Northwood Drive Salisbury, MD 21801



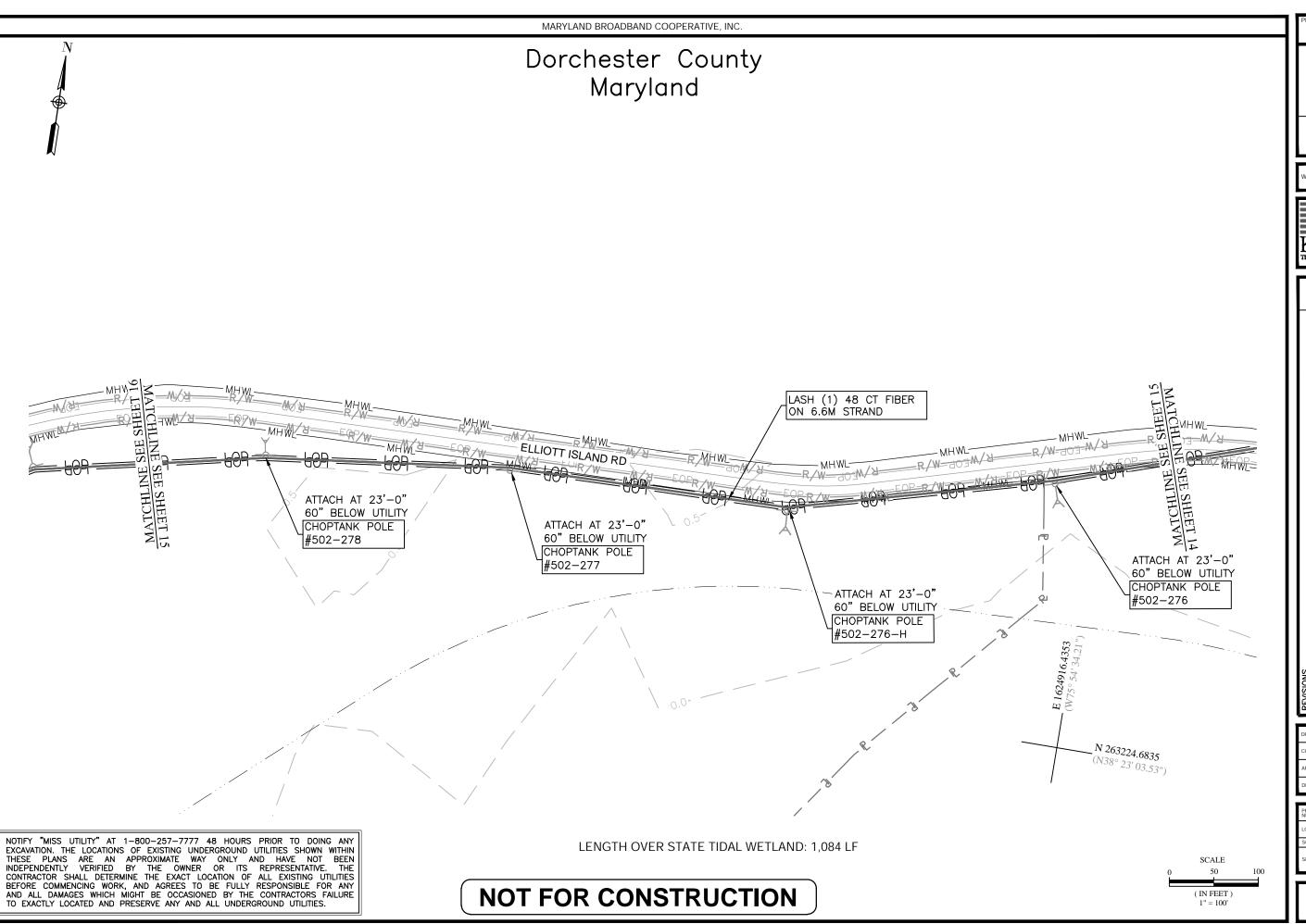


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DRAWING DATE:	AUGUST 2023

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	LOCATION:	DORCHESTER, MD
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SHEET NUMBER

14 OF 59

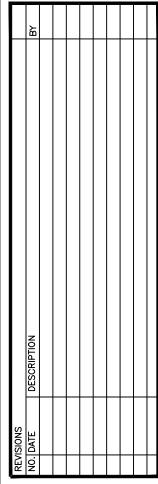




2129A Northwood Drive Salisbury, MD 21801



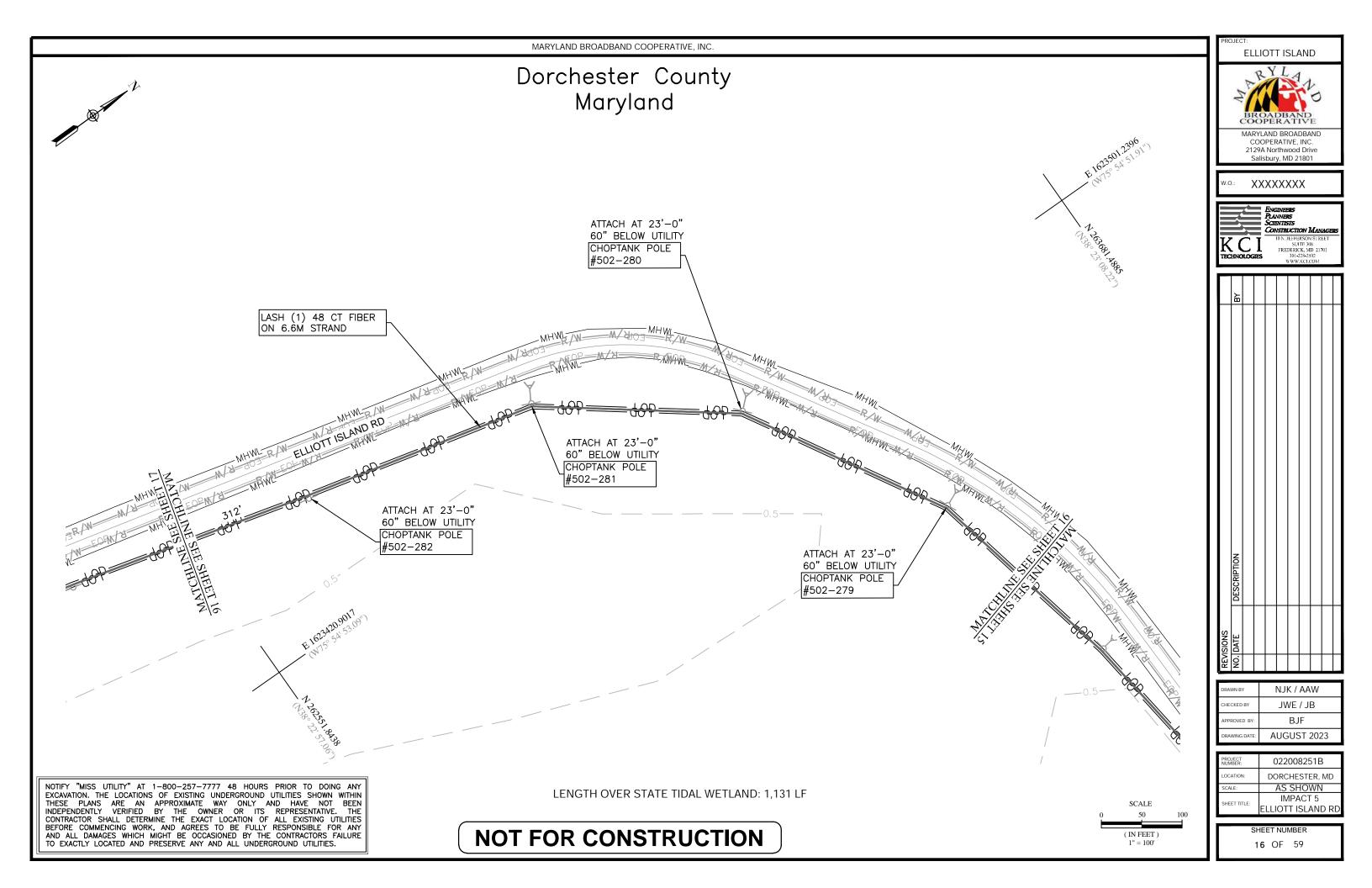
SUITE 308 FREDERICK, MD 21701 301-228-2502

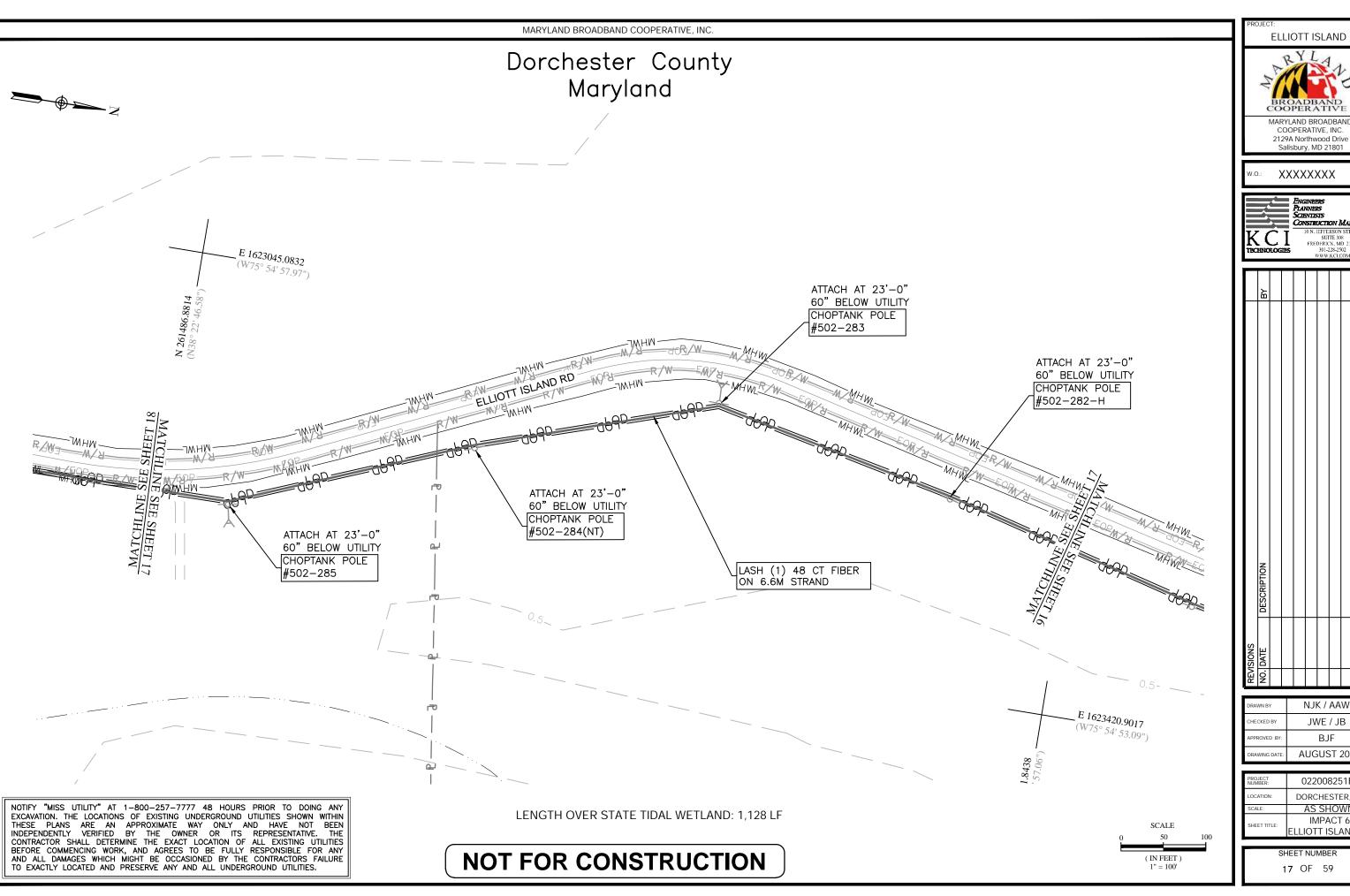


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	DRAWING DATE:	AUGUST 2023

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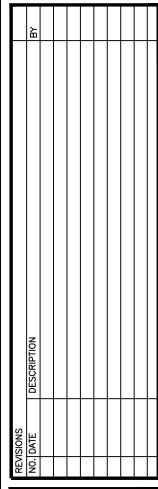
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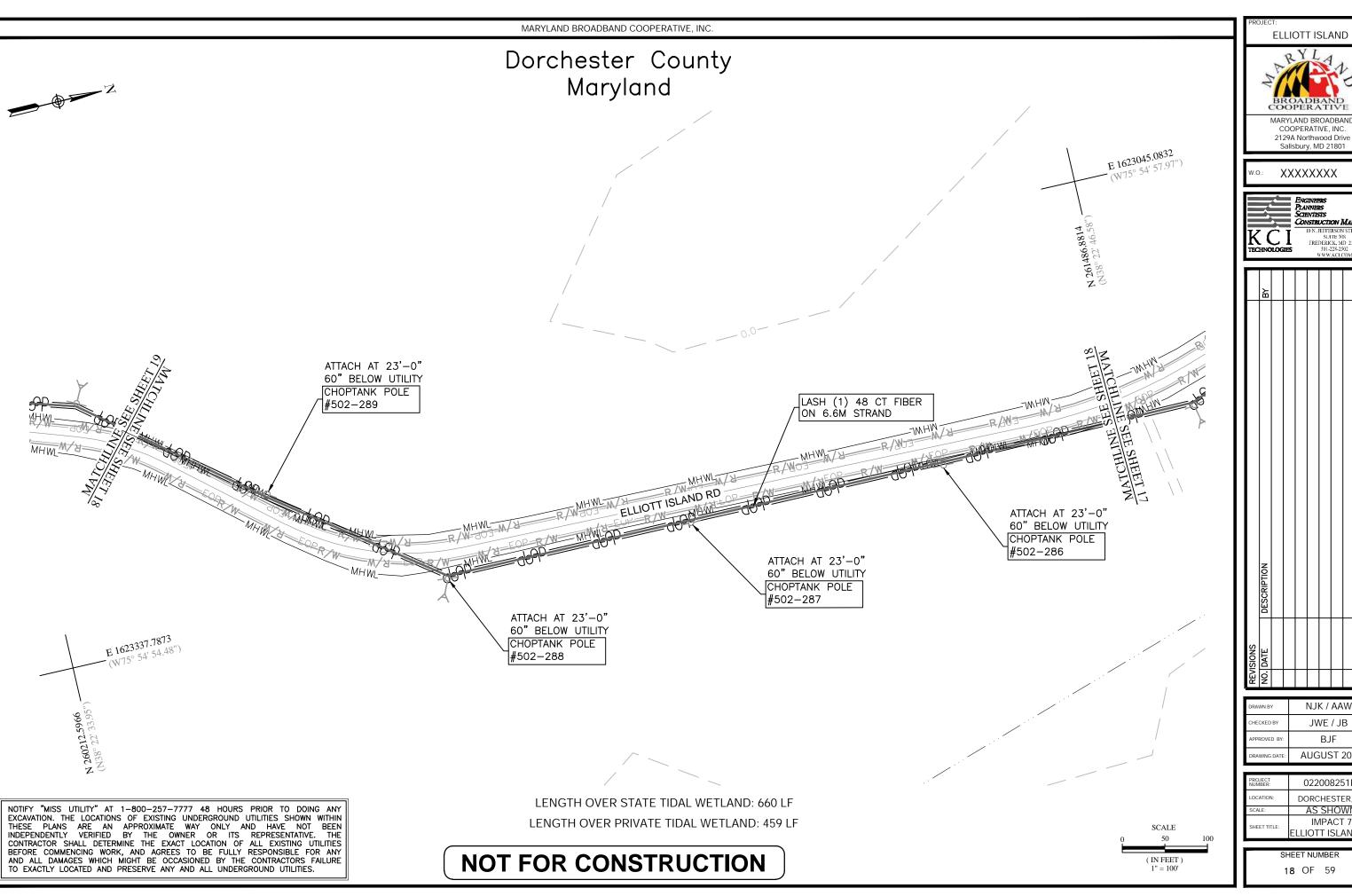




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DRAWING DATE:	AUGUST 2023

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SHEET NUMBER 17 OF 59







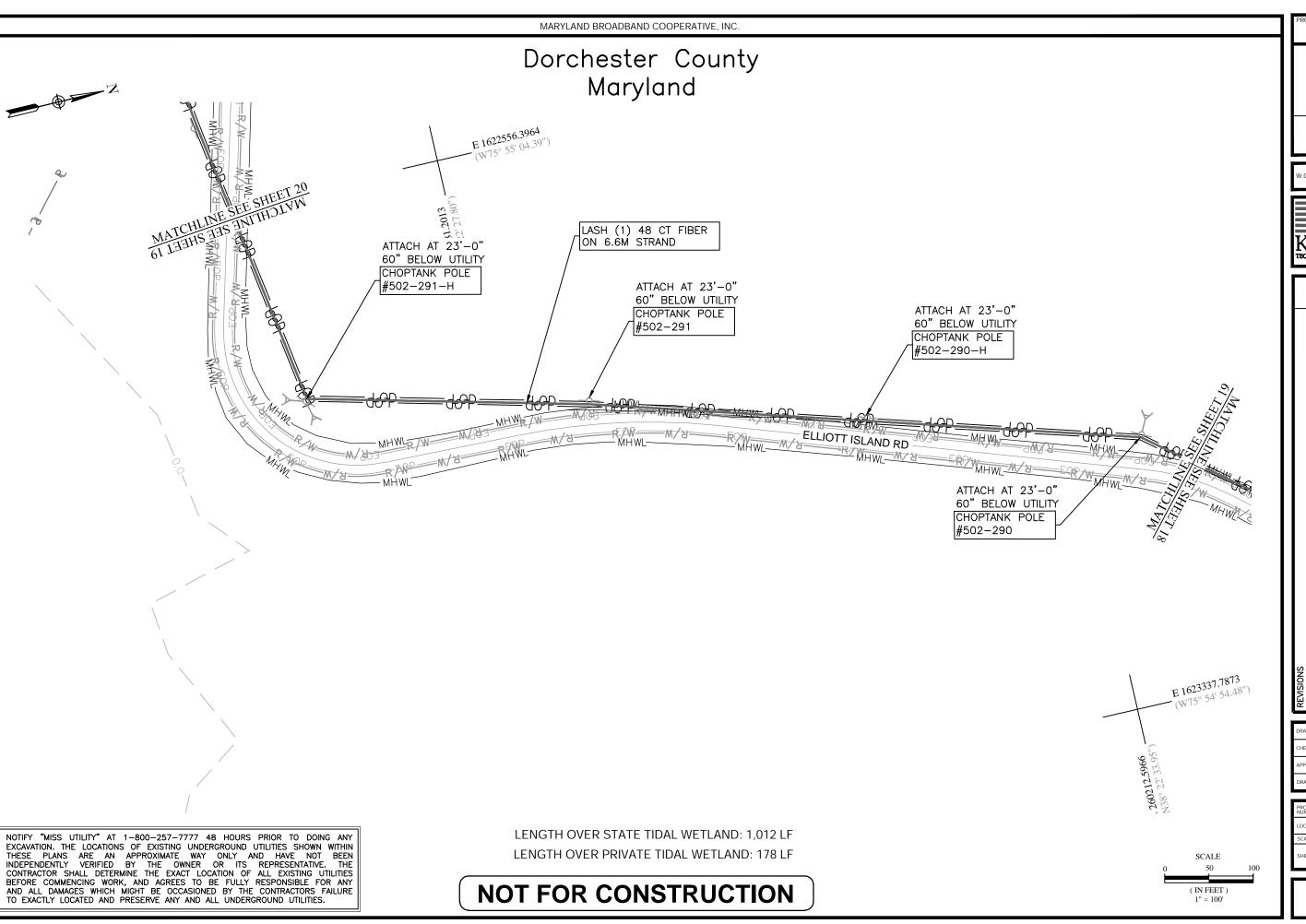
Engineers Planners Scientists CONSTRUCTION MANAGER 10 N. JEFFERSON STREET SUITE 308 FREDERICK, MD 21701 301-228-2502 WWW.KCLCOM

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NO.		DESCRIPTION	B√

DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
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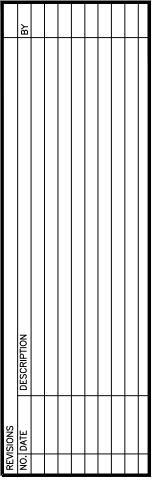




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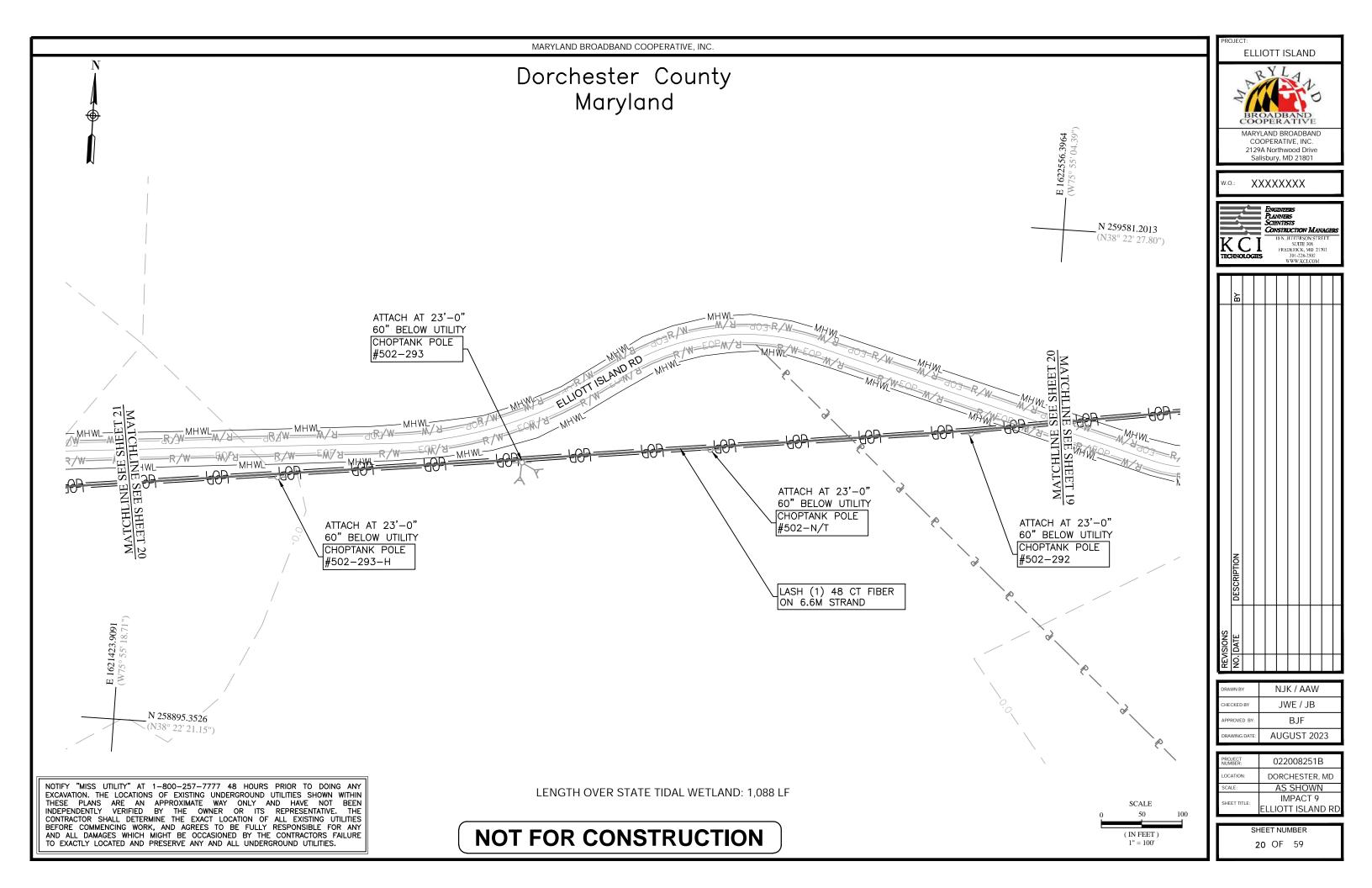


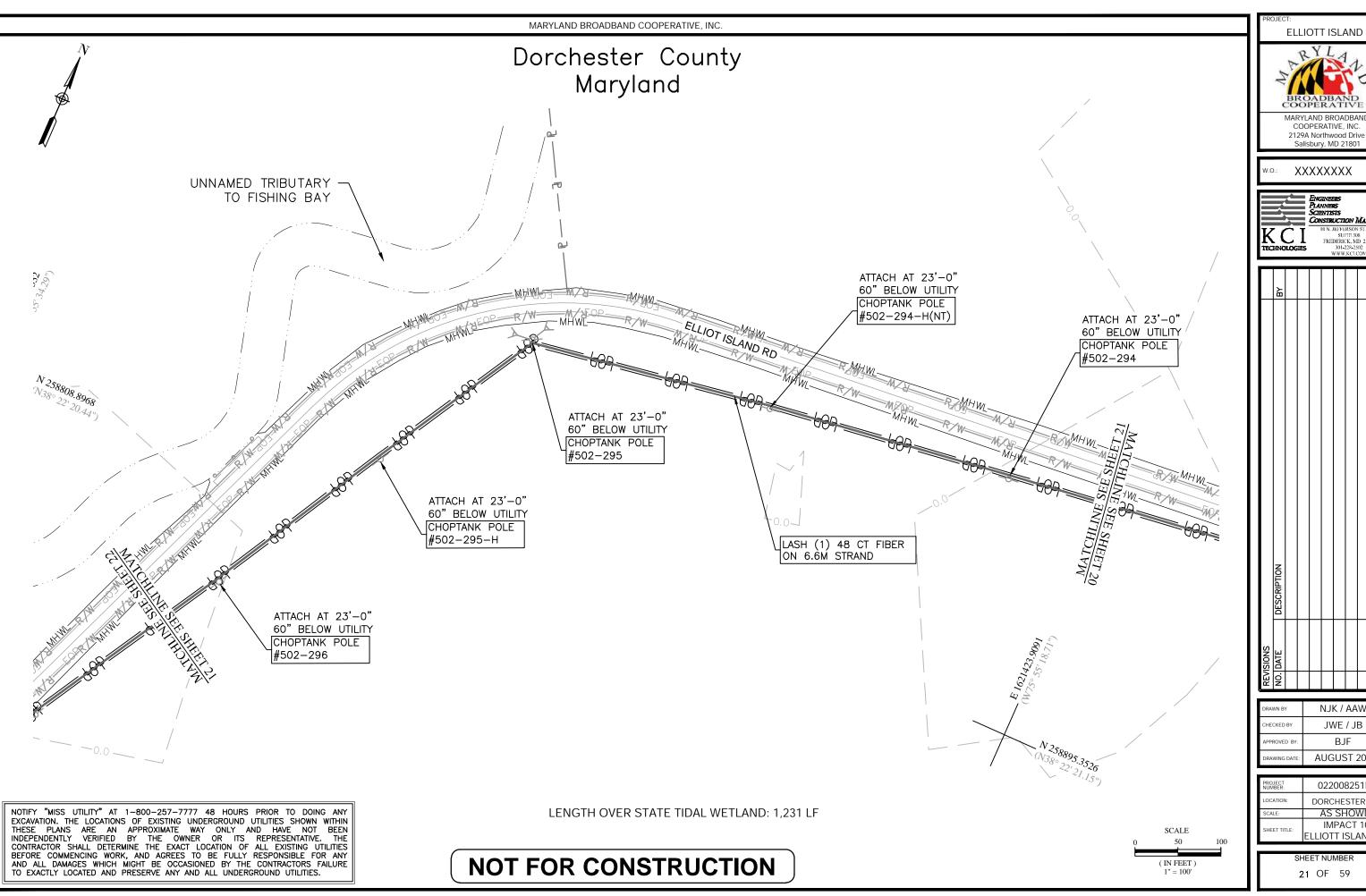
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SHEET NUMBER

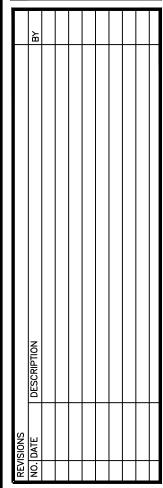
19 OF 59





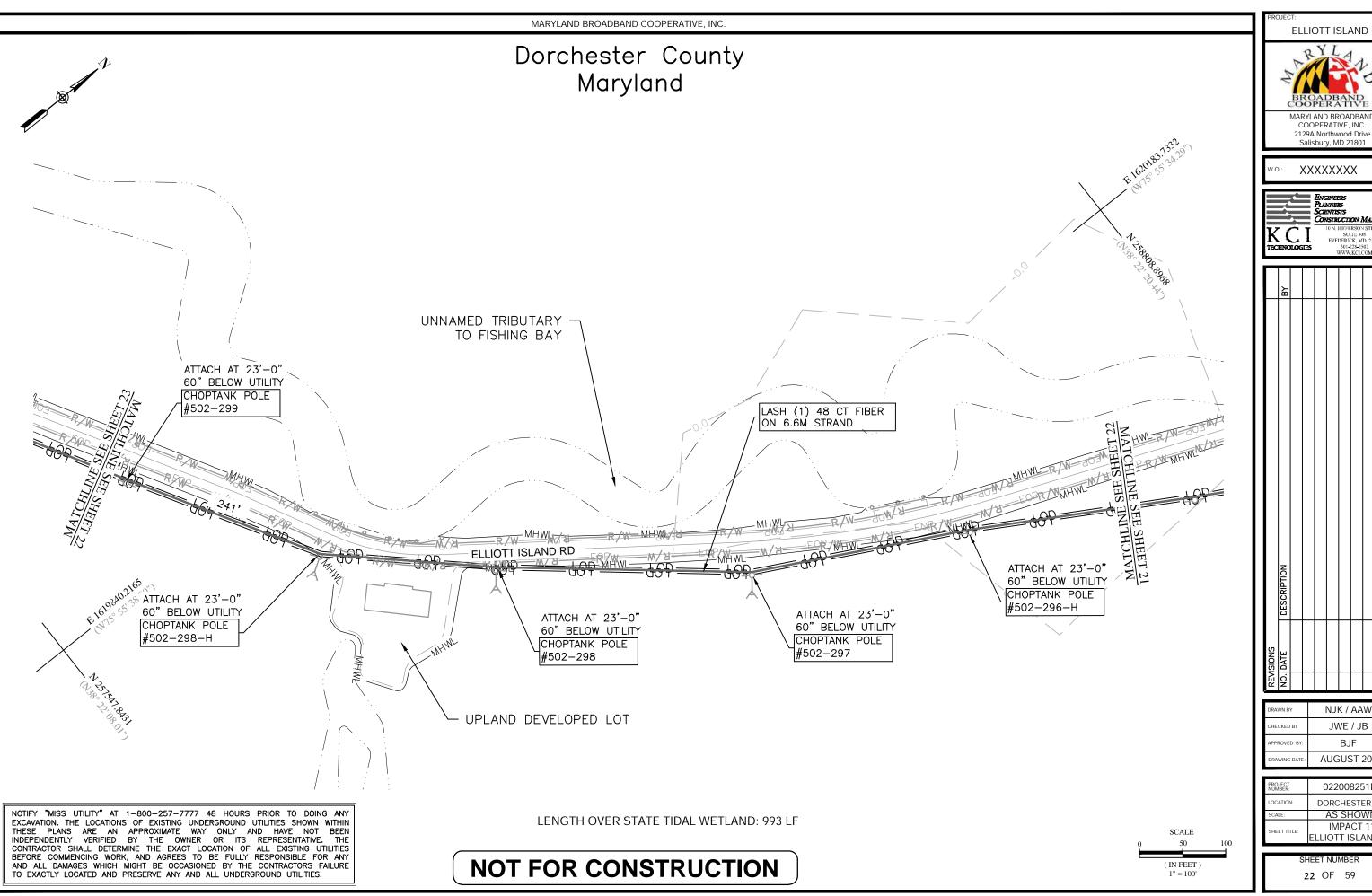






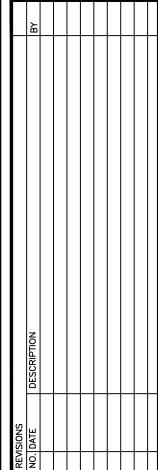
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ı	DRAWN BY	NJK / AAW
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LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
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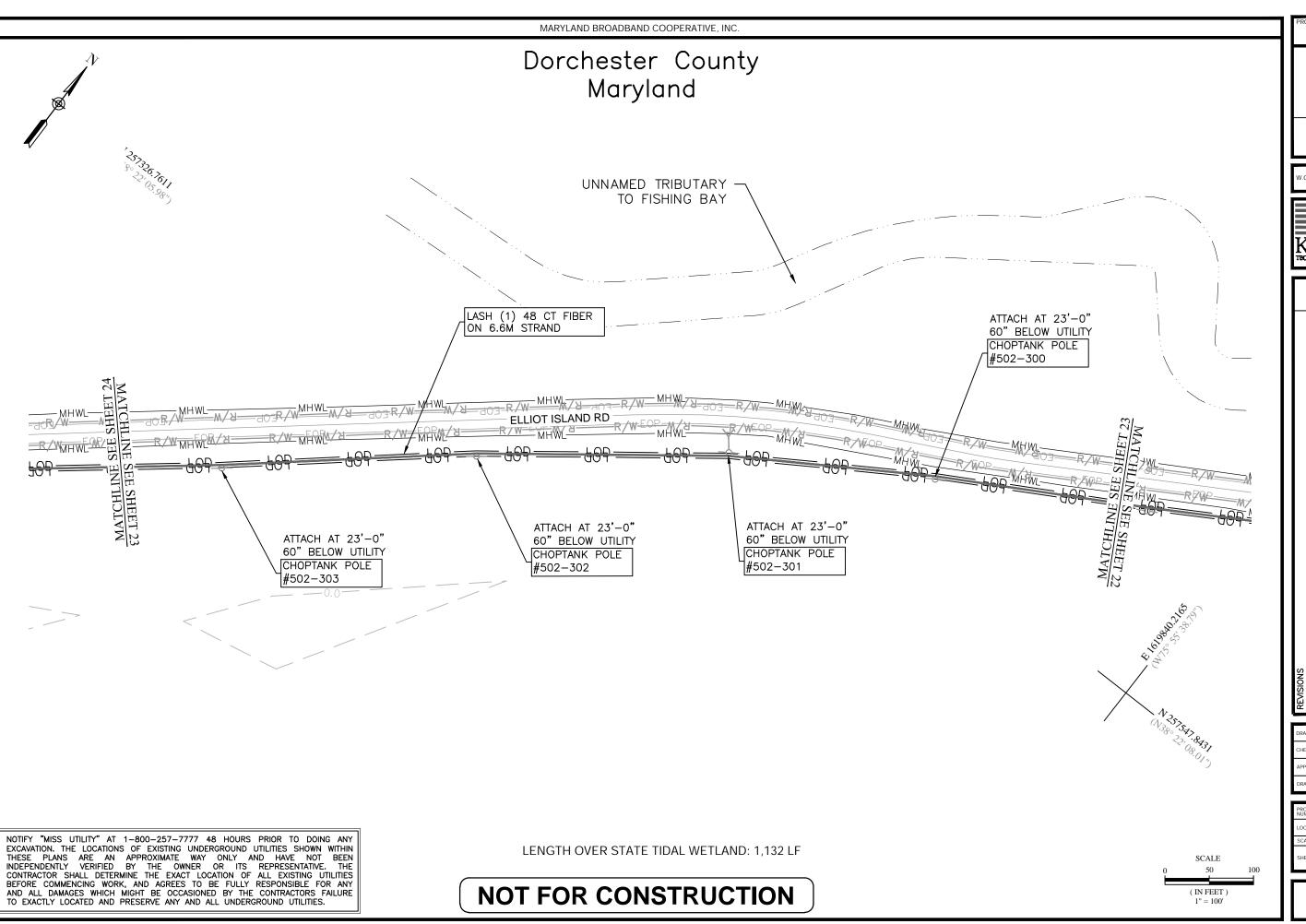


CONSTRUCTION MANAGER SUITE 308 FREDERICK, MD 21701



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CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

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LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
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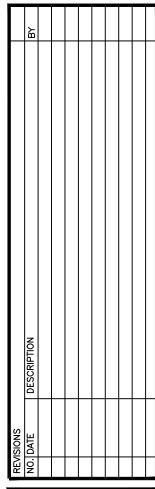




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2129A Northwood Drive Salisbury, MD 21801

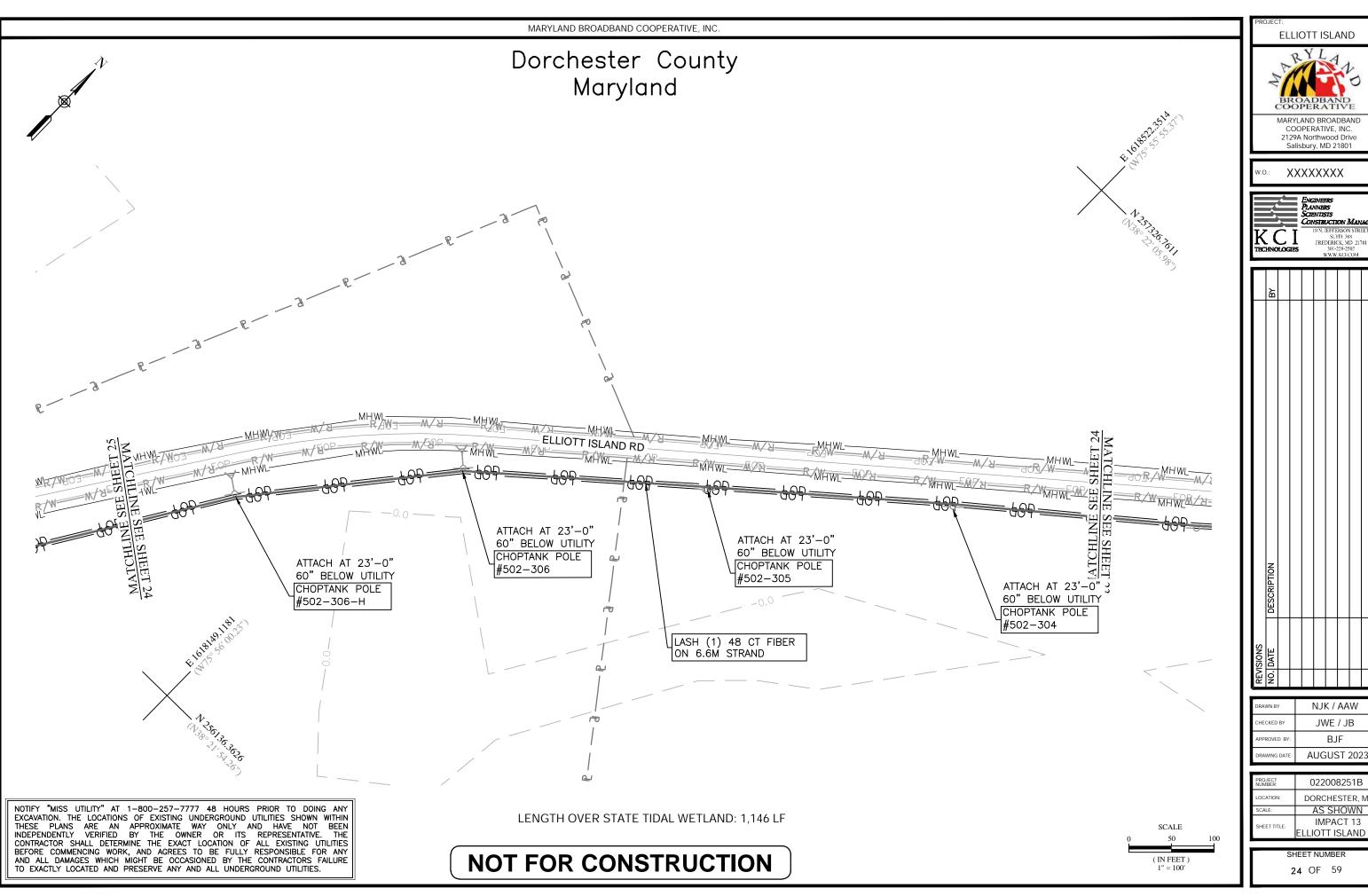


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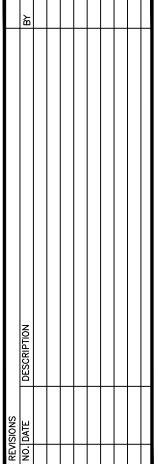
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23 OF 59



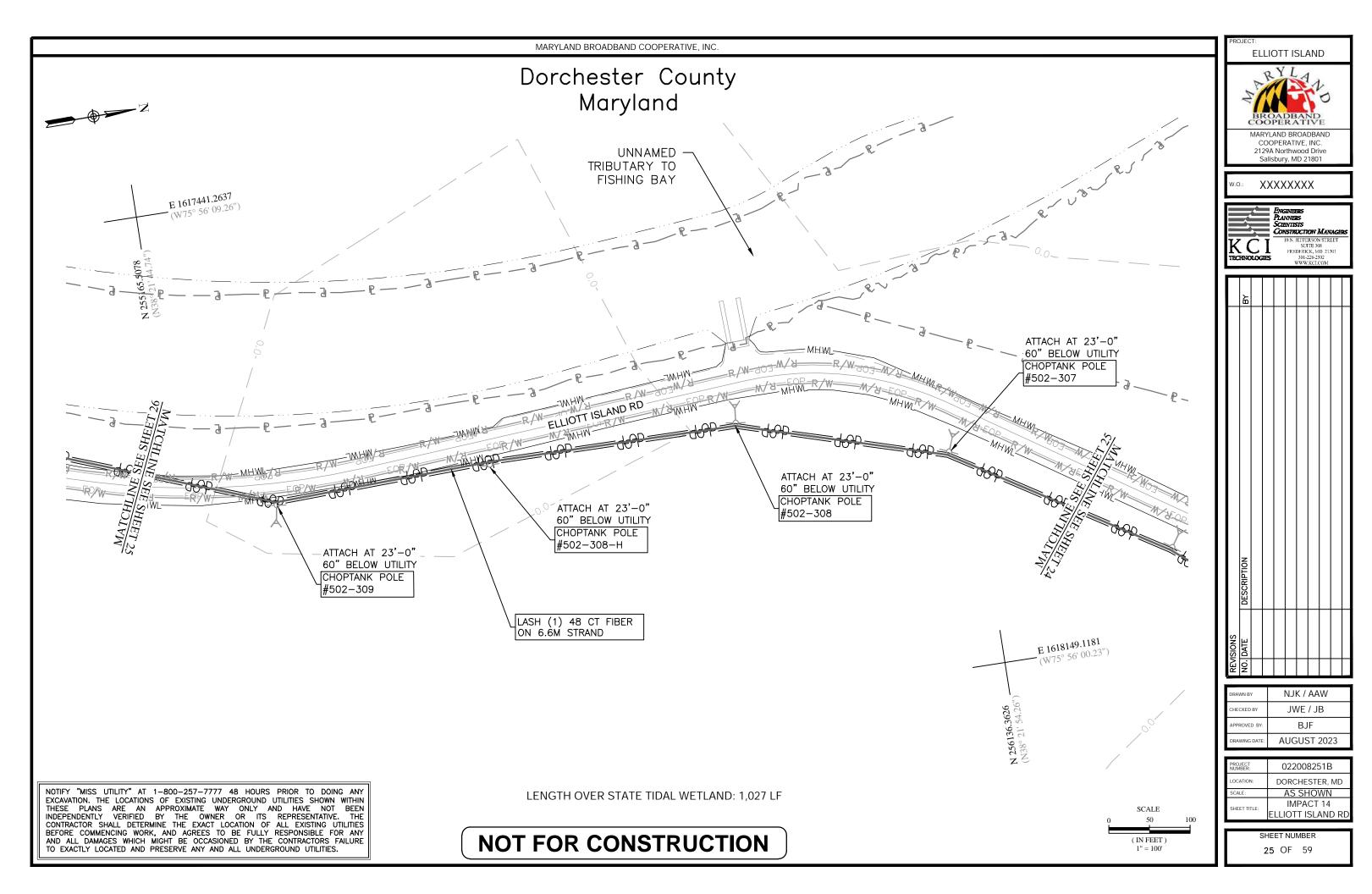


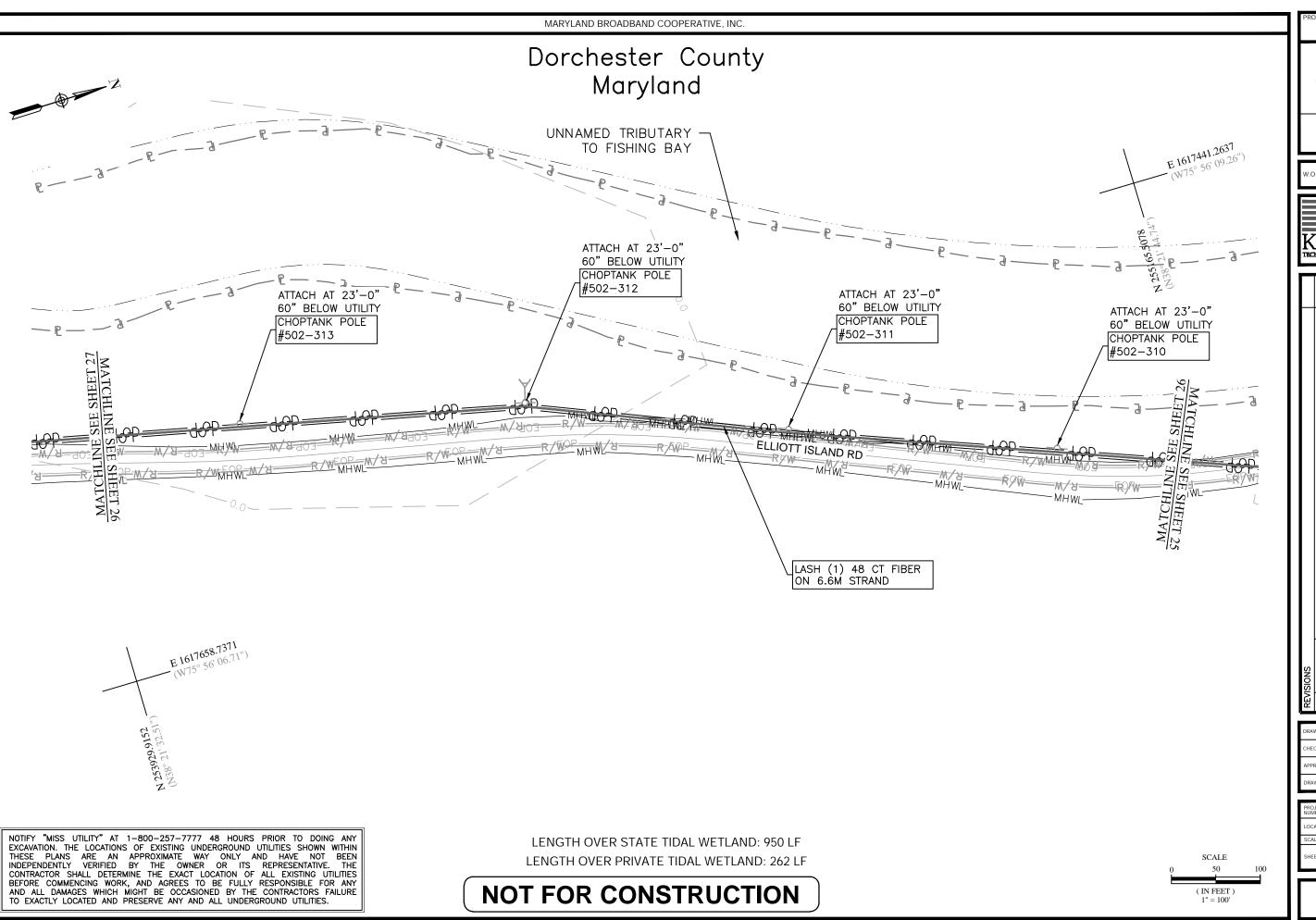
CONSTRUCTION MANAGER



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DRAWING DATE:	AUGUST 2023

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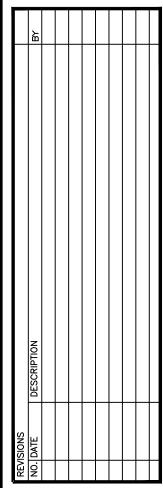




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2129A Northwood Drive



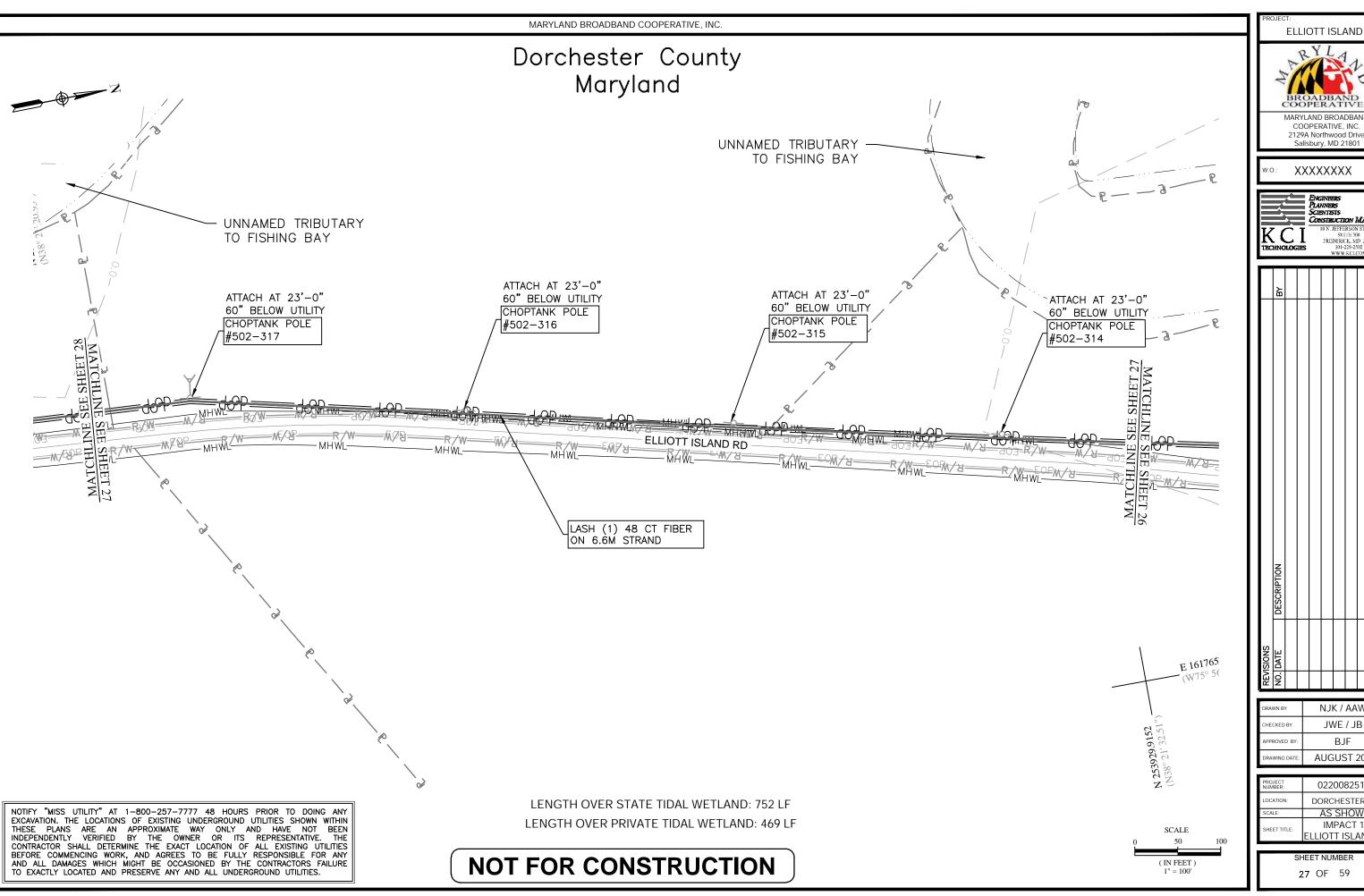


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APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

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SCALE:	AS SHOWN
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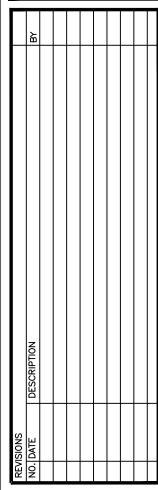
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26 OF 59



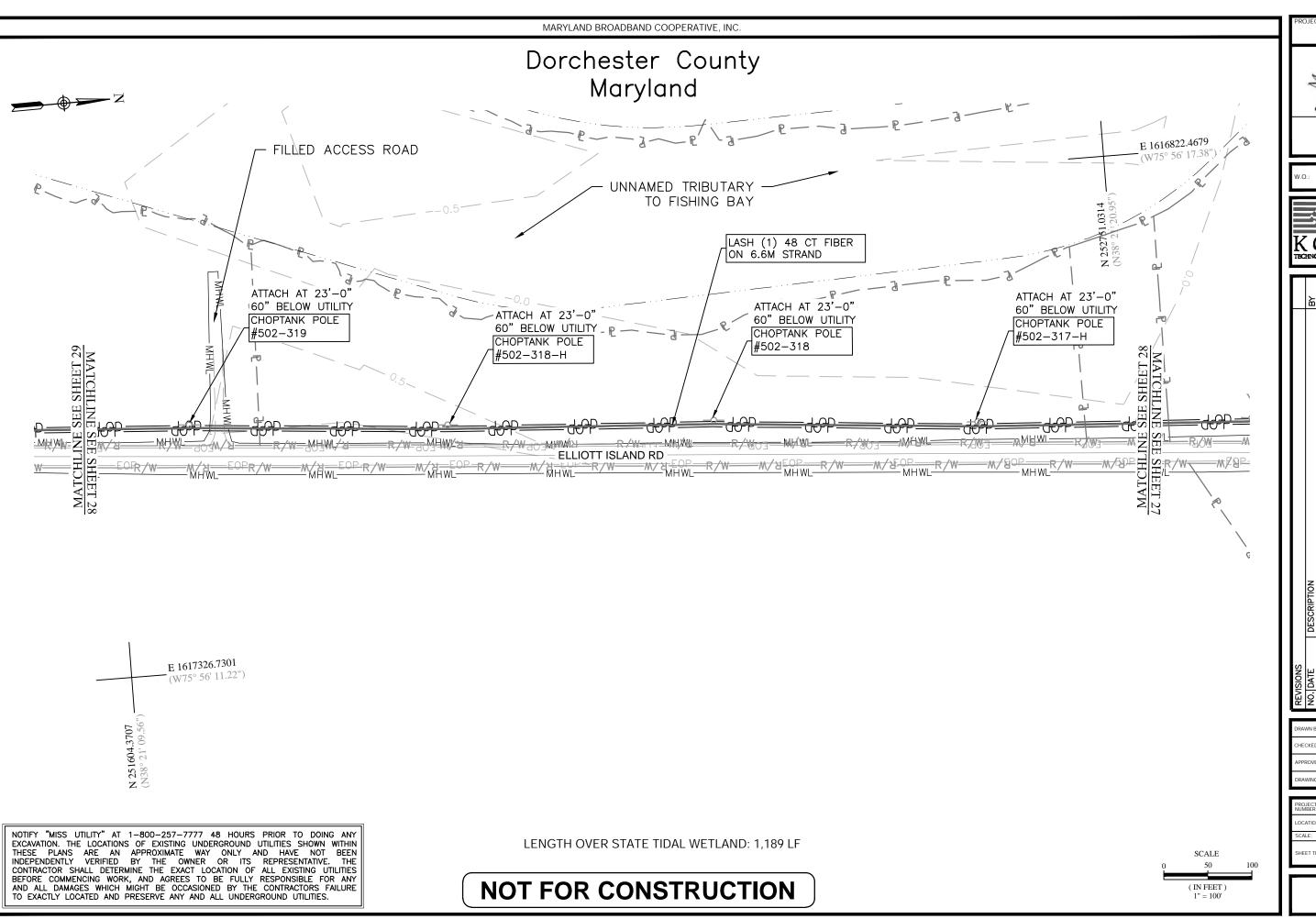






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DRAWING DATE:	AUGUST 2023

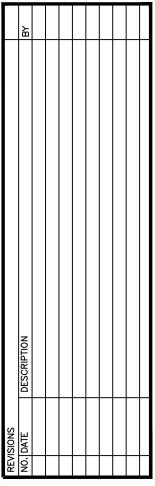
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SCALE:	AS SHOWN
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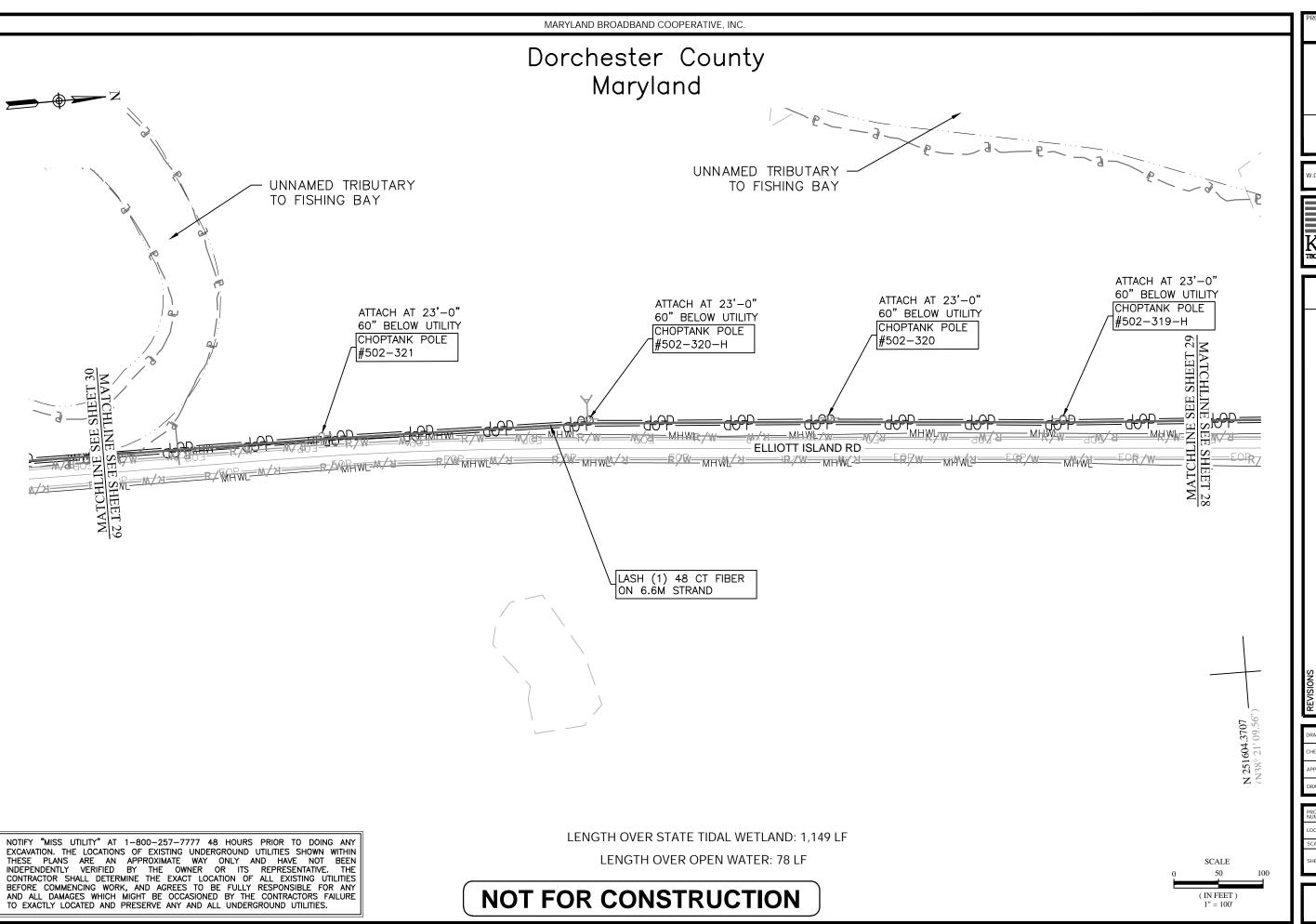


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DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
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SHEET NUMBER

28 OF 59

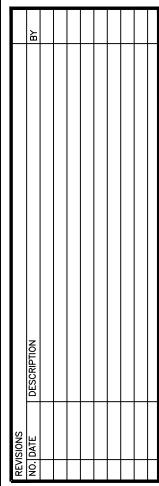




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PLANNERS
SCIENTISTS
CONSTRUCTION MANAGER
SCITT 508
FEEDERICK 21701
301-228-2502

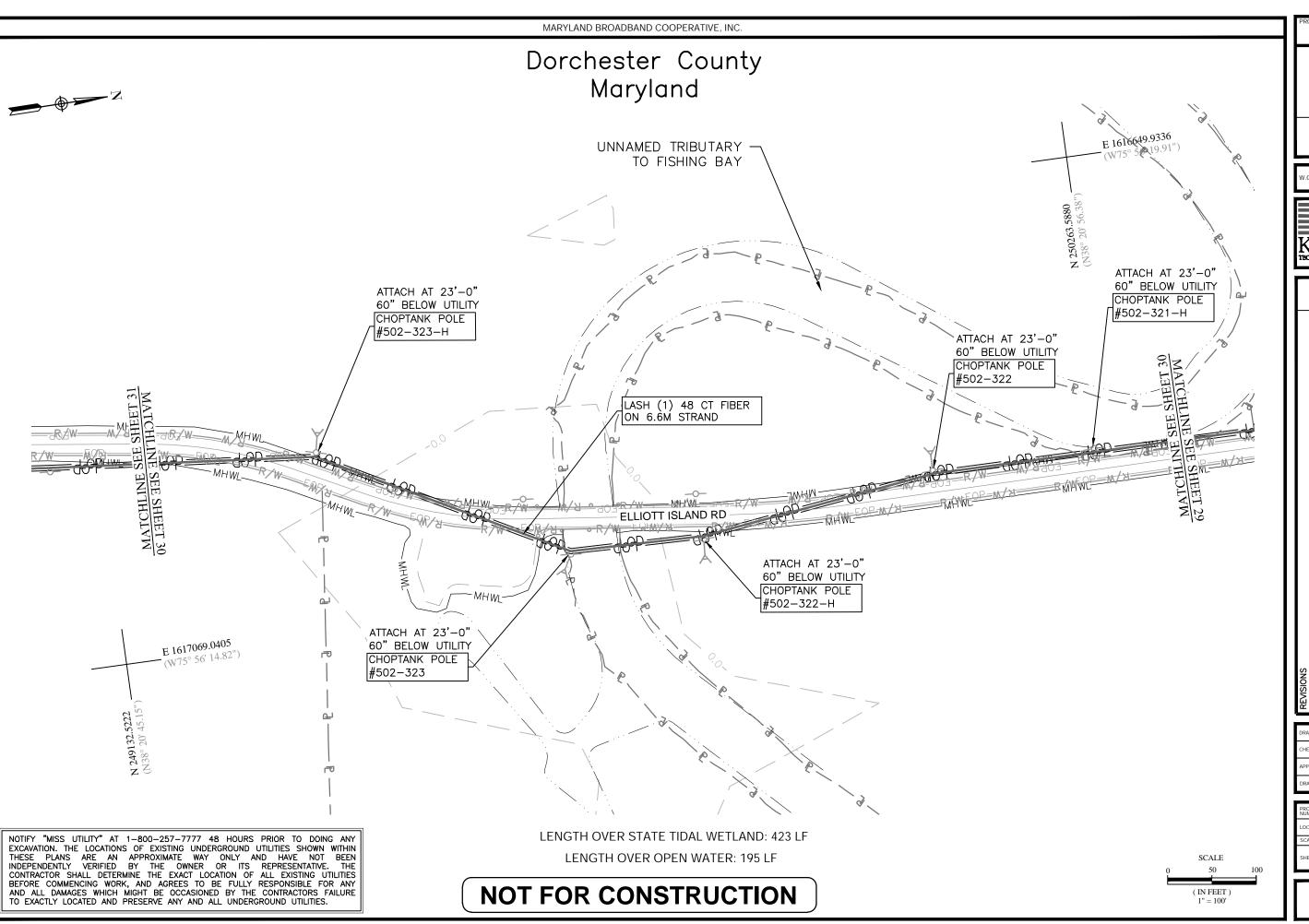


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DRAWING DATE:	AUGUST 2023

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SHEET NUMBER

29 OF 59

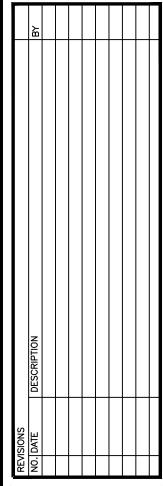




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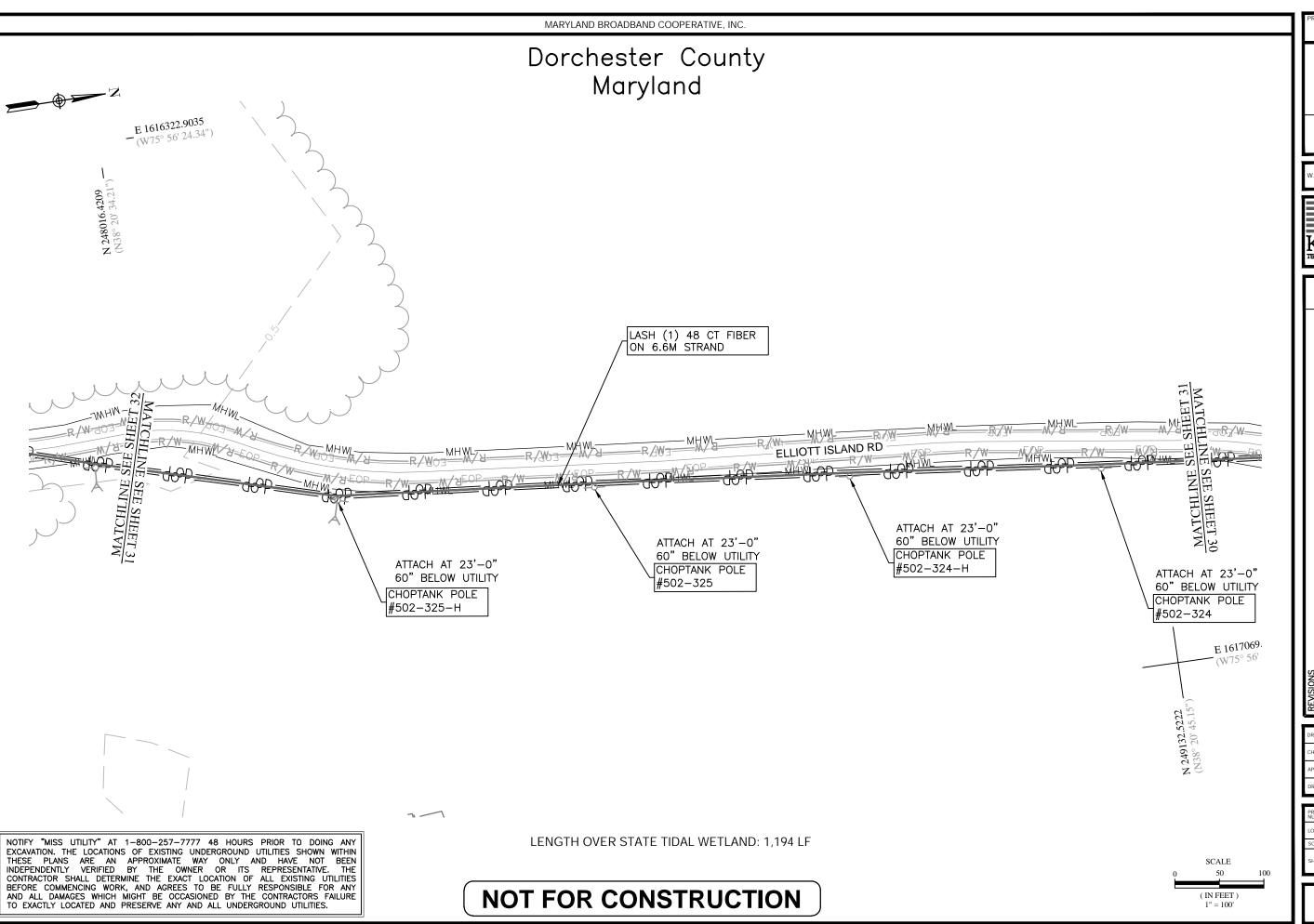
COOPERATIVE, INC. 2129A Northwood Drive Salisbury, MD 21801



DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
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SCALE:	AS SHOWN
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SHEET NUMBER
30 OF 59

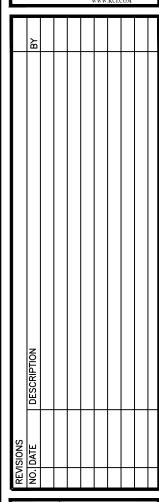




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2129A Northwood Drive Salisbury, MD 21801

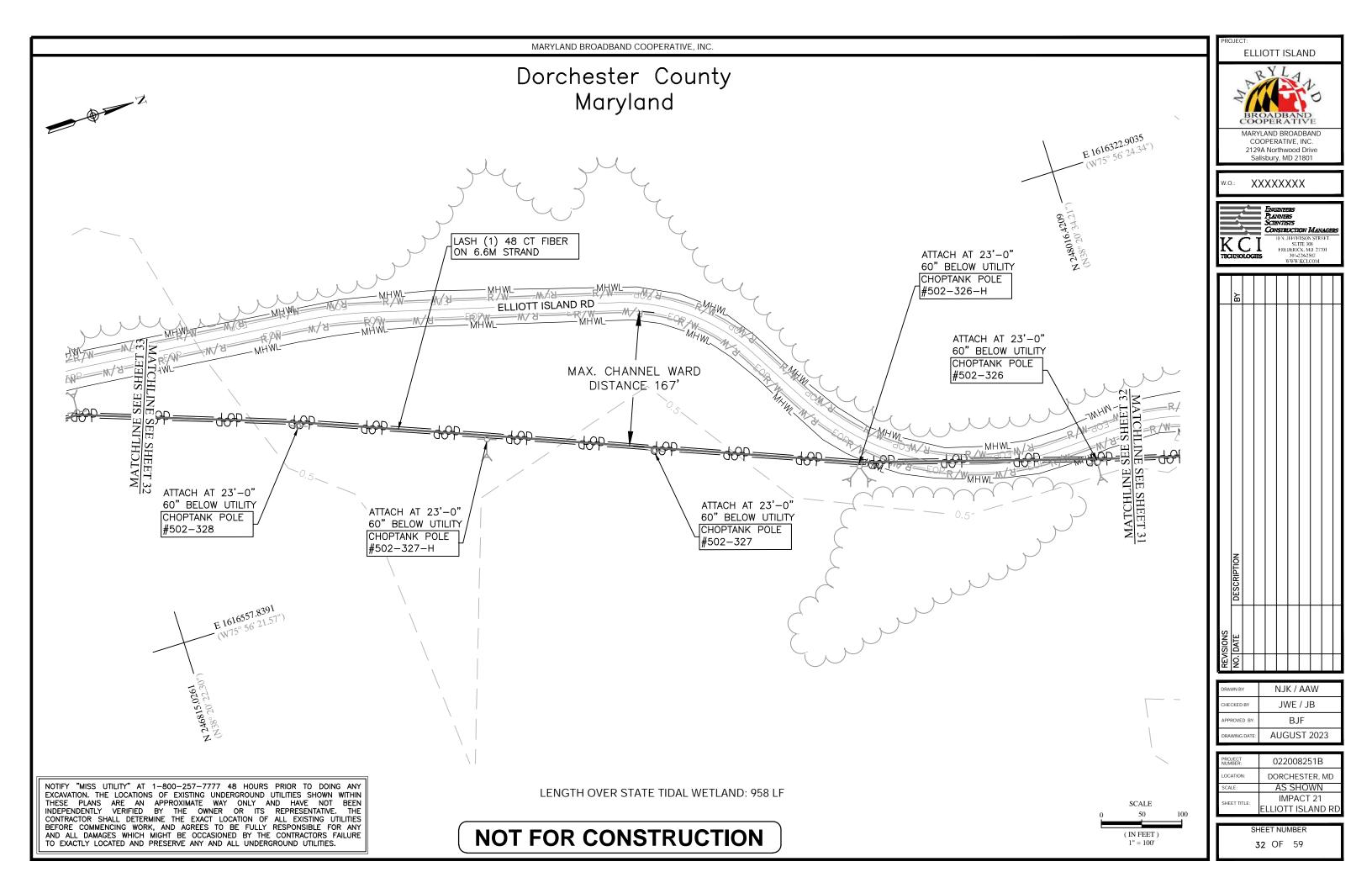


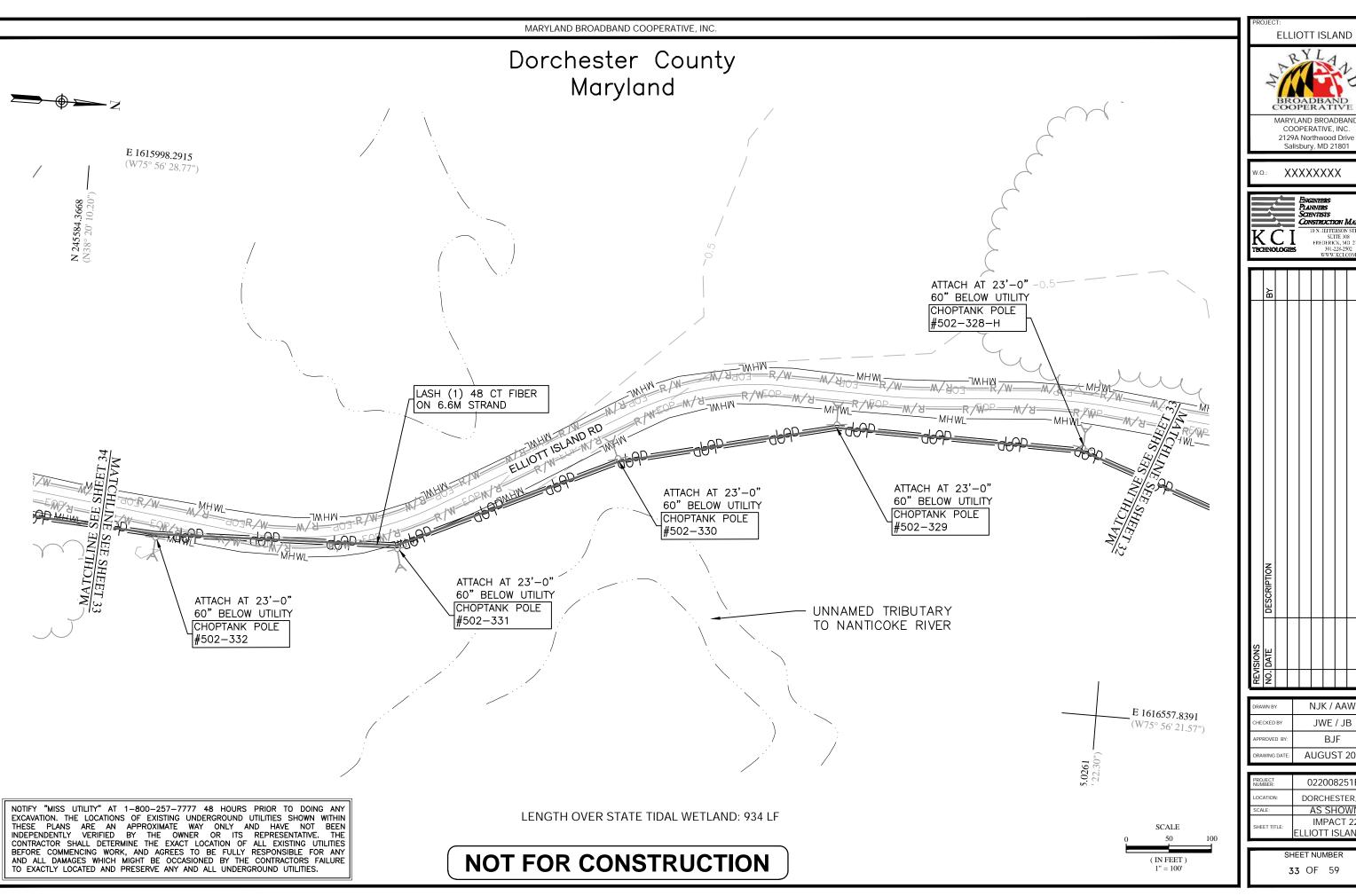


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DRAWING DATE:	AUGUST 2023

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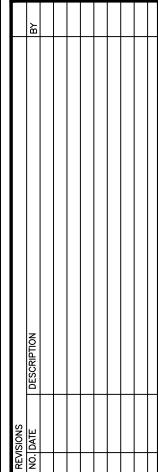
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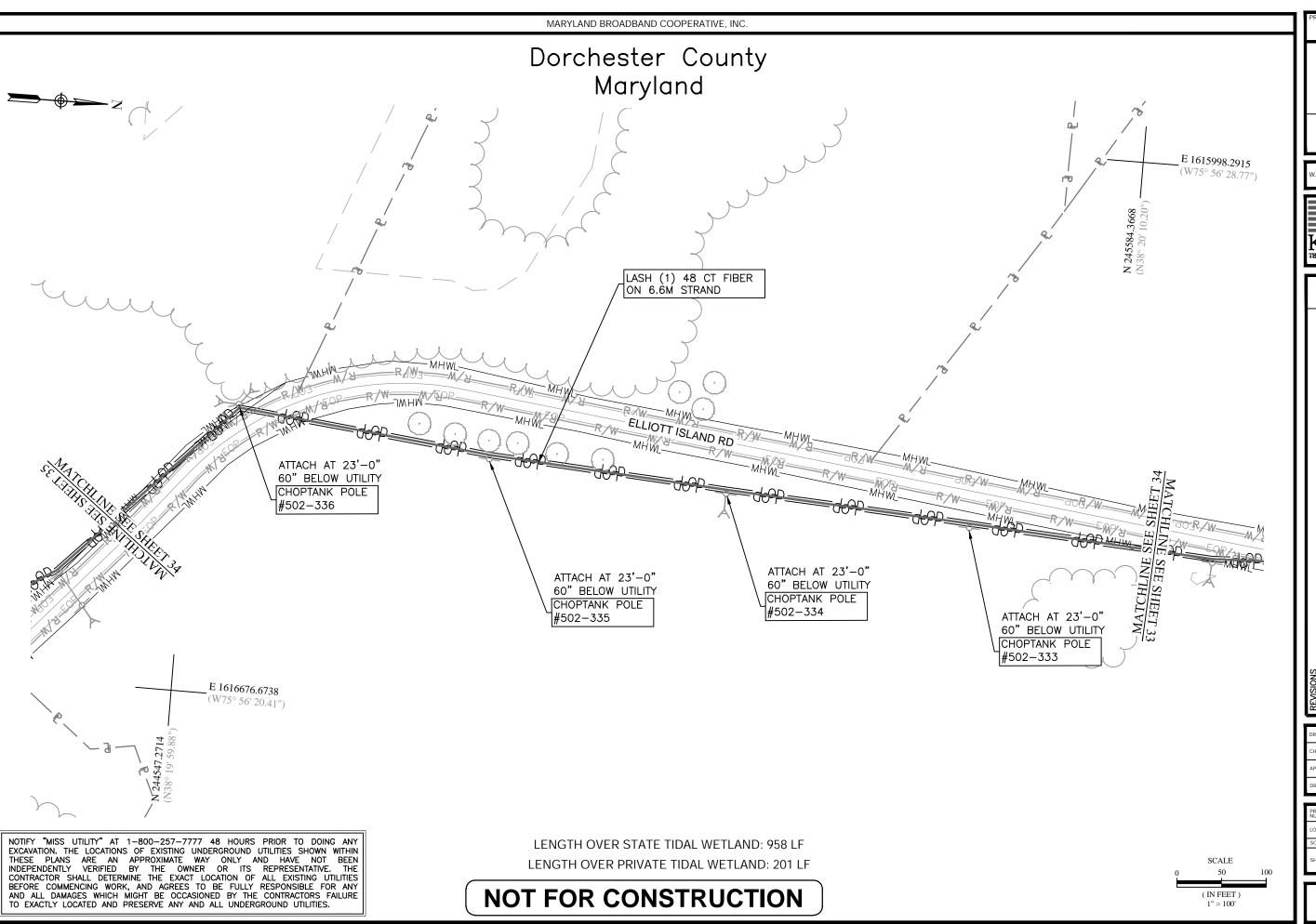




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DRAWING DATE:	AUGUST 2023

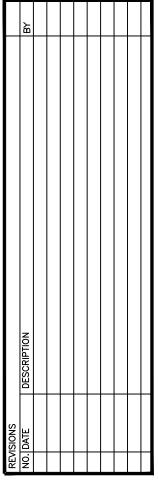
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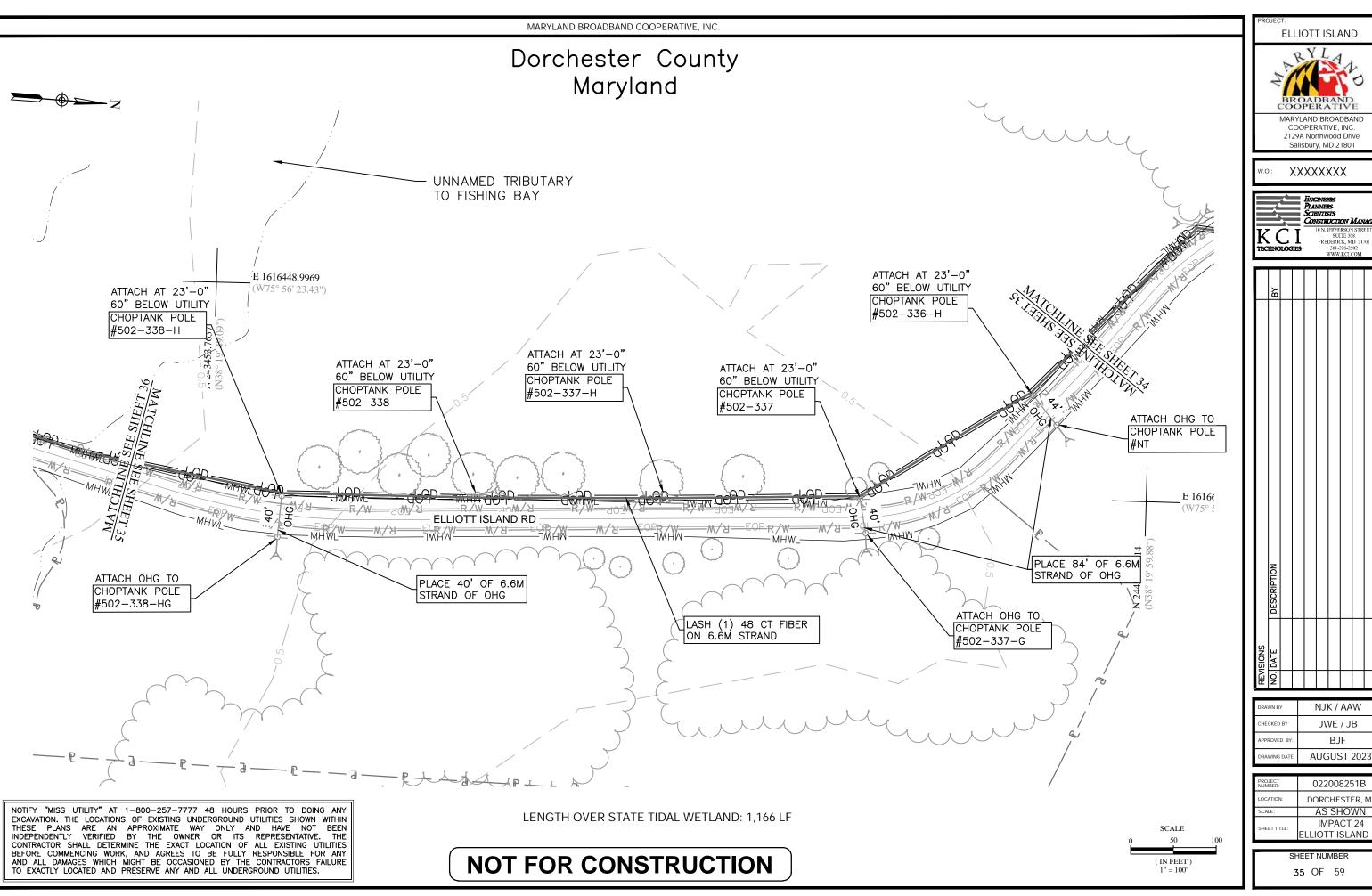






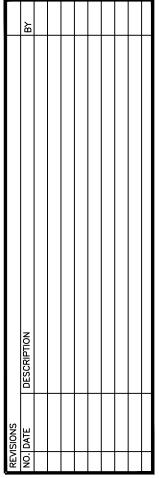
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DRAWING DATE:	AUGUST 2023

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		ELLIOTT ISLAND RD



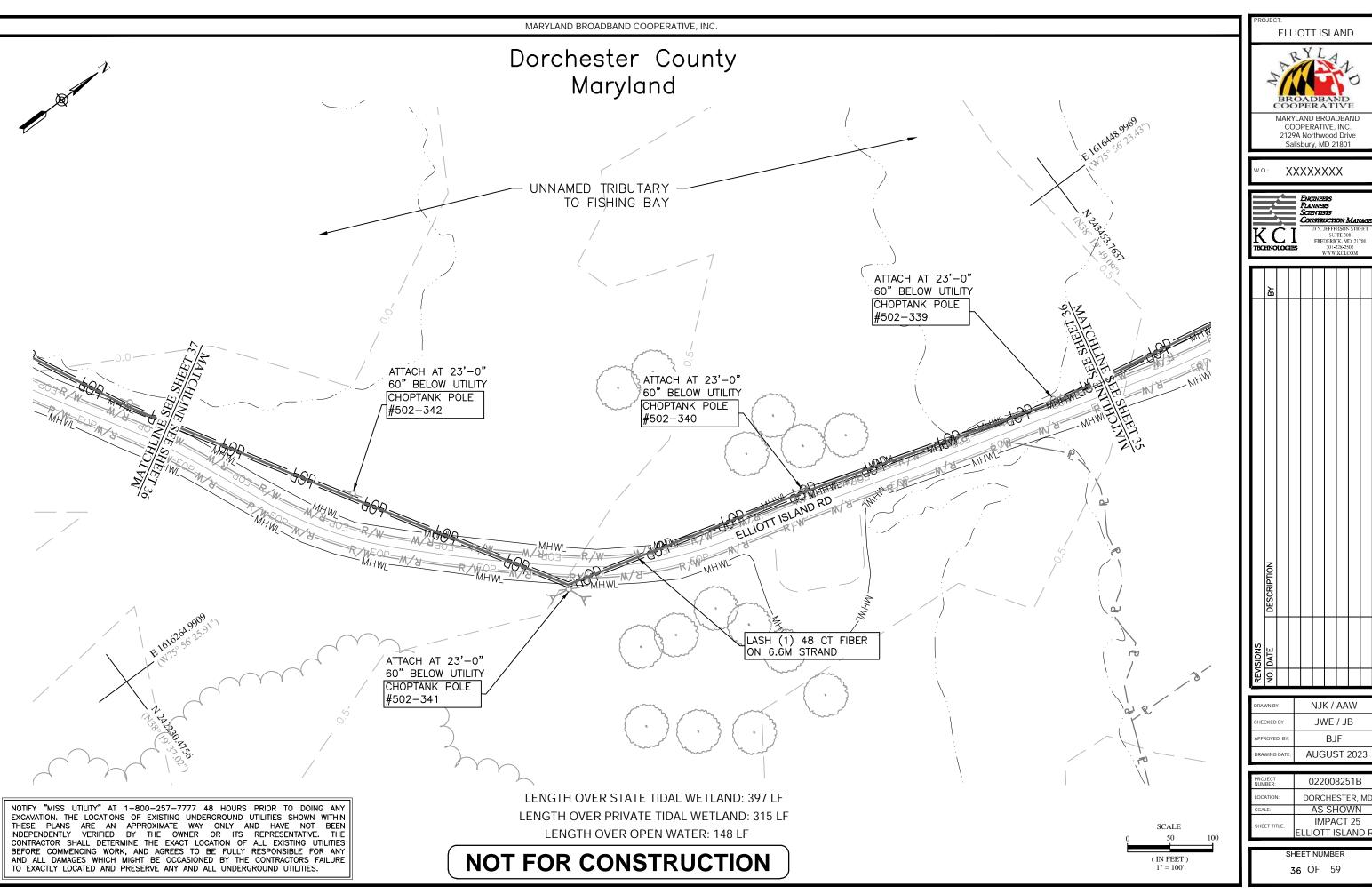




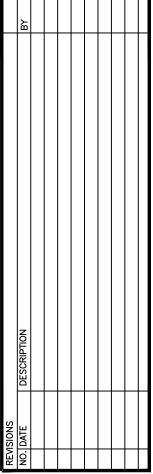


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DRAWING DATE: AUGUST 2023	APPROVED BY:	BJF
	DRAWING DATE:	AUGUST 2023

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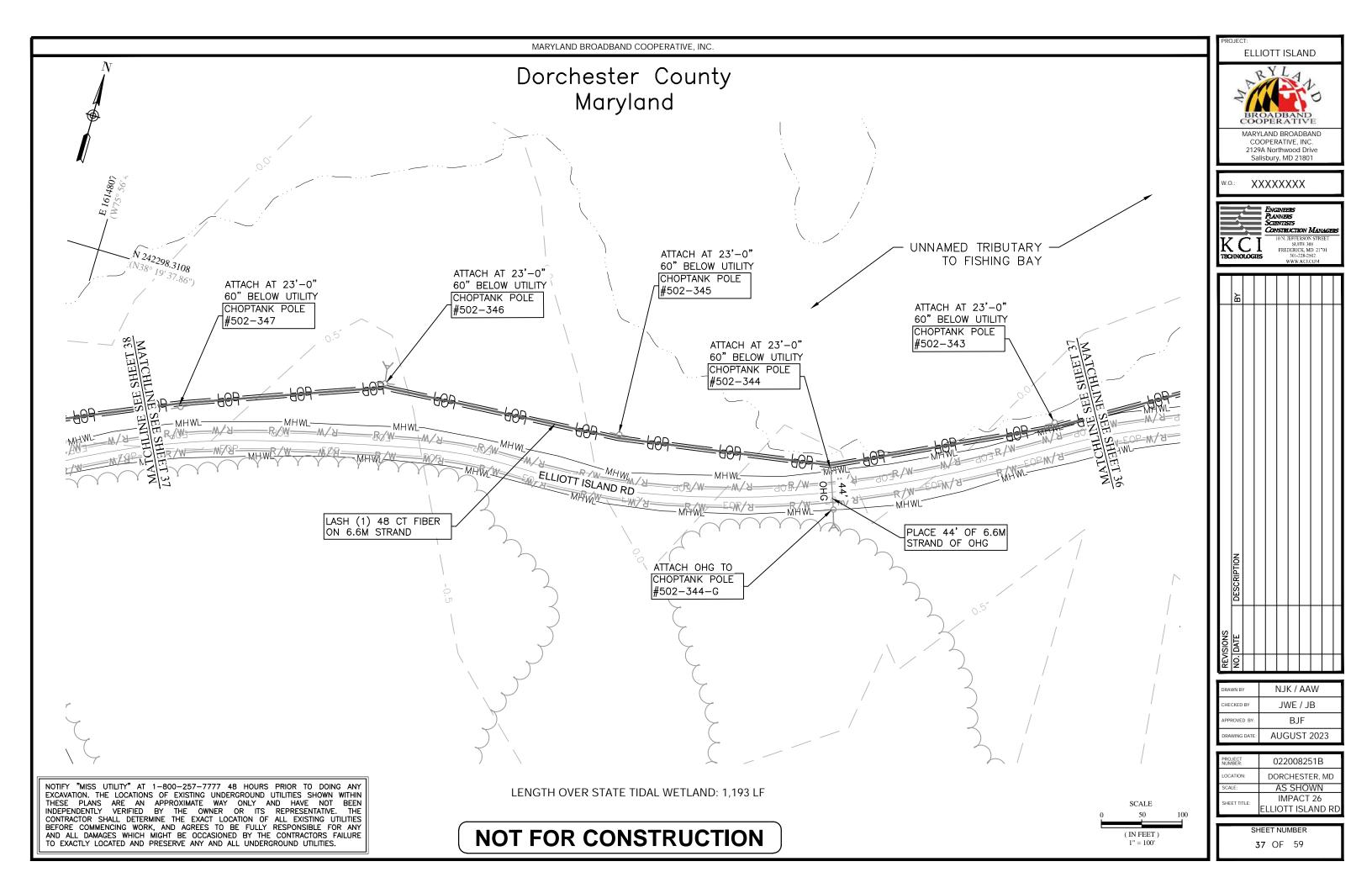


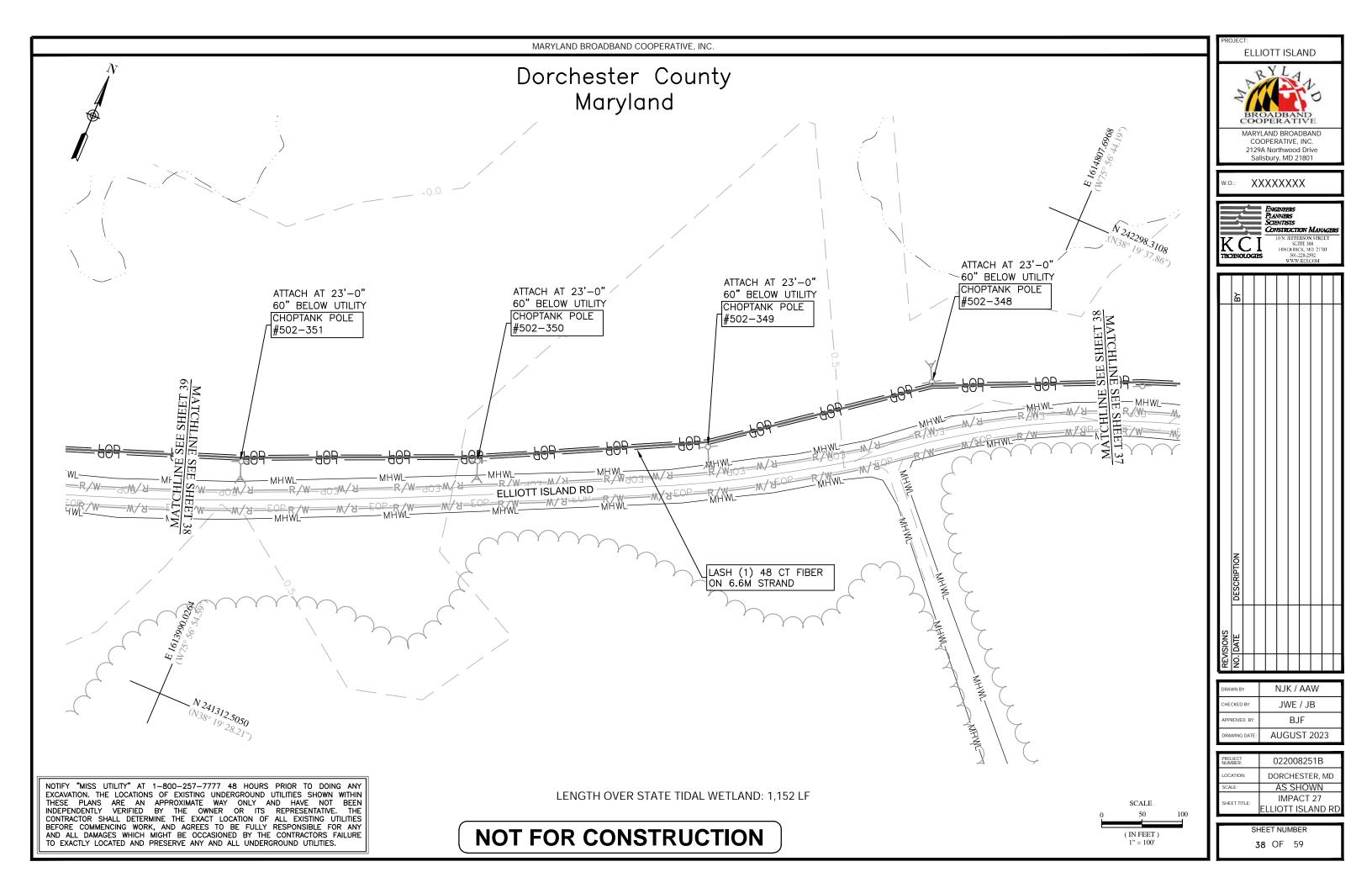


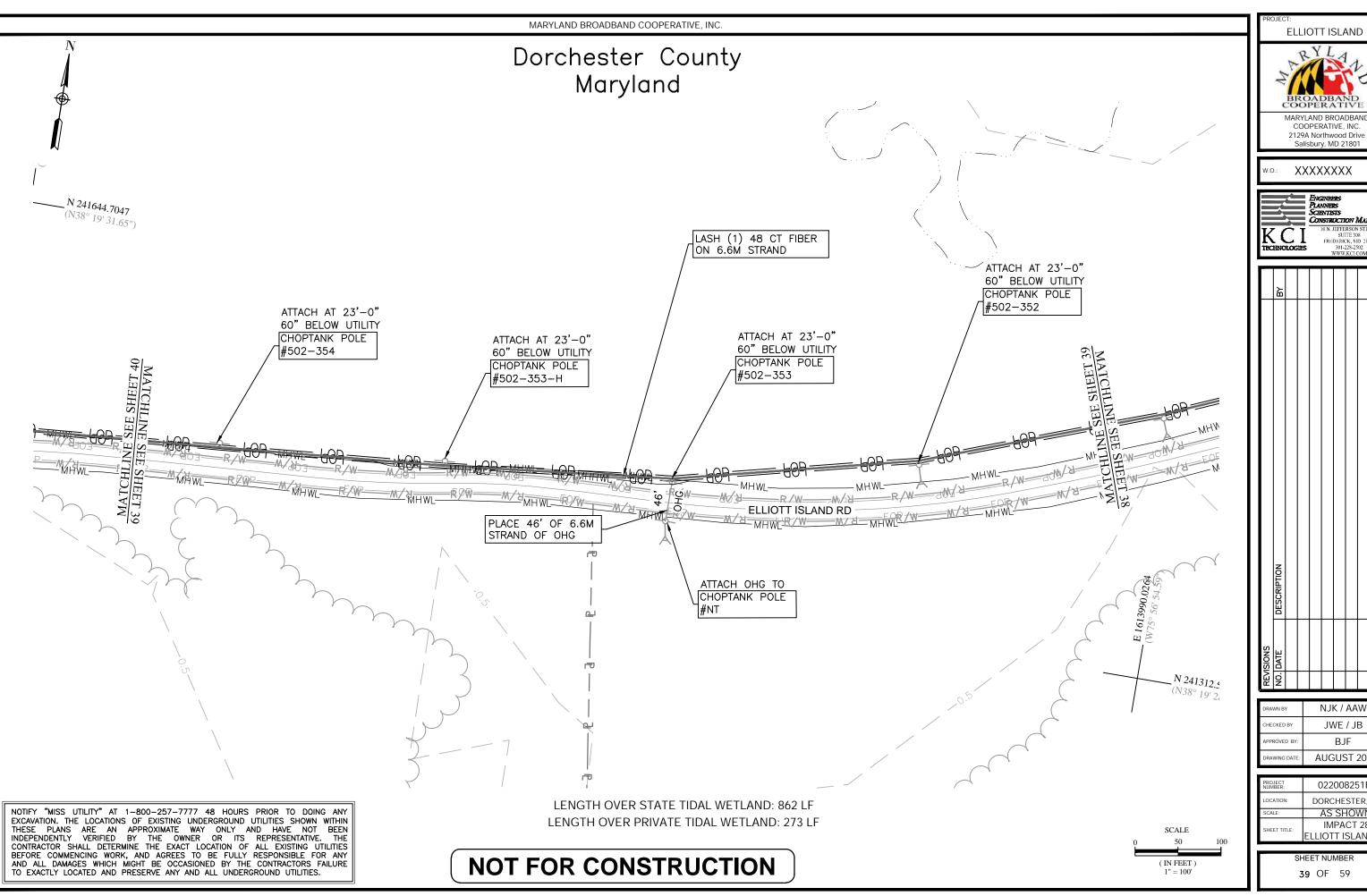


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APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
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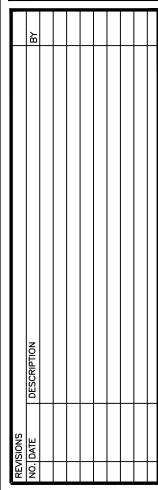








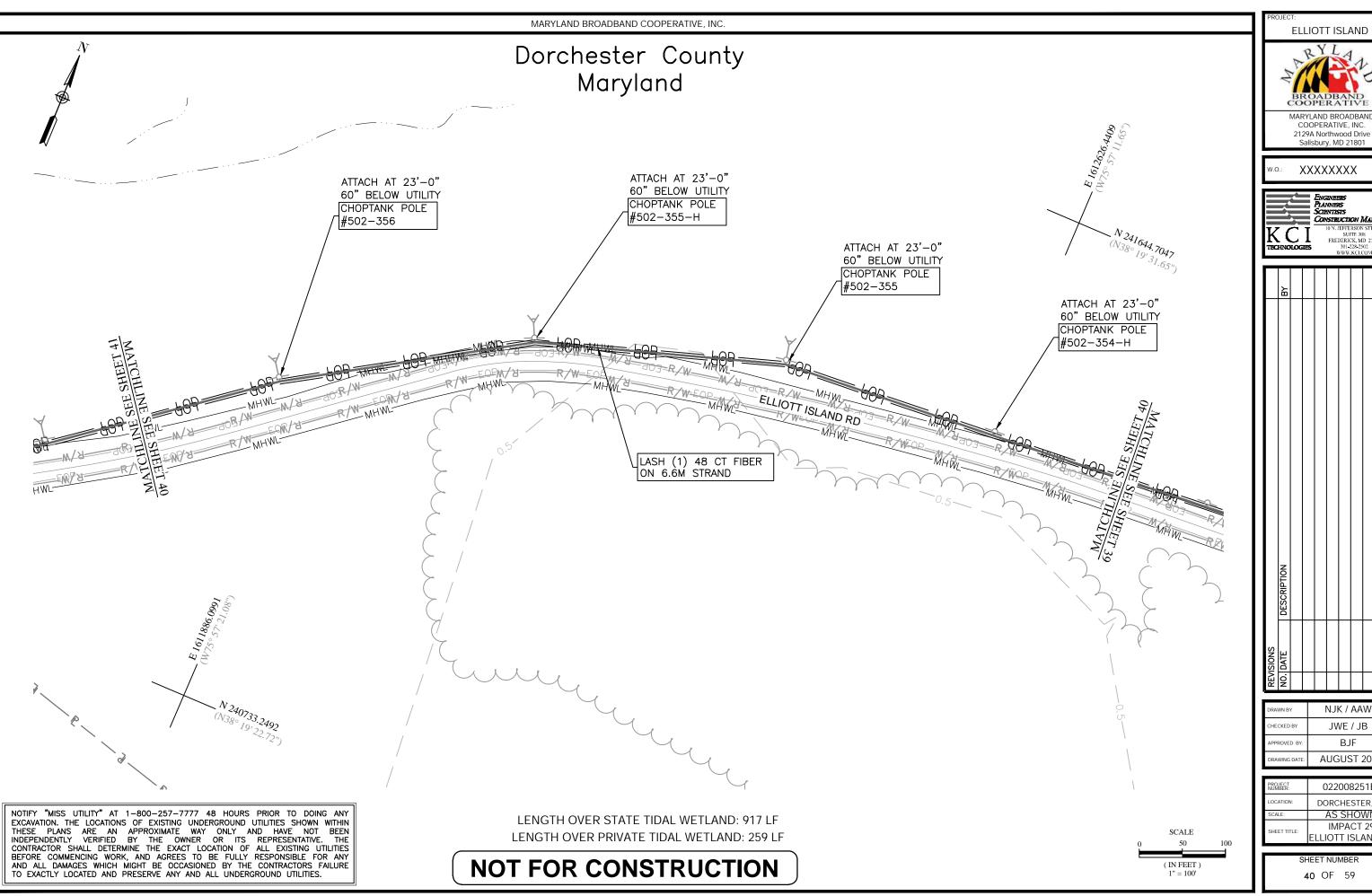




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DRAWING DATE:	AUGUST 2023

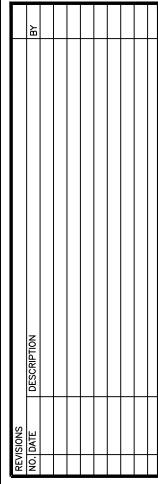
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SHEET TILE.	ELLIOTT ISLAND RD

SHEET NUMBER **39** OF 59



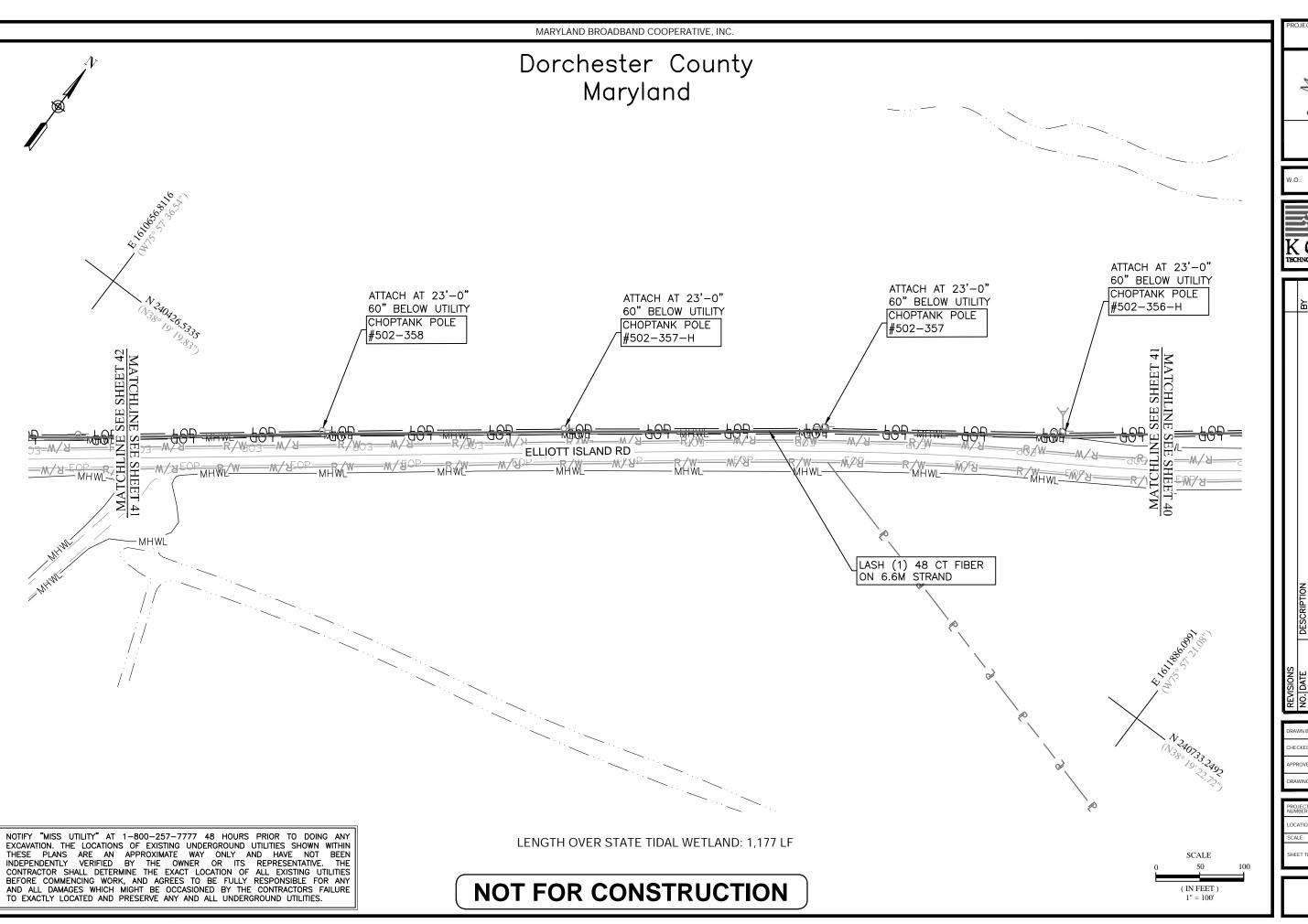






DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 29
	ELLIOTT ISLAND RD

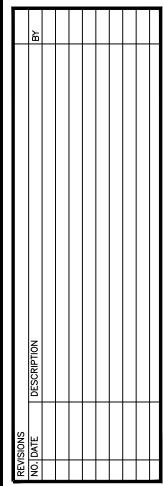




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2129A Northwood Drive Salisbury, MD 21801

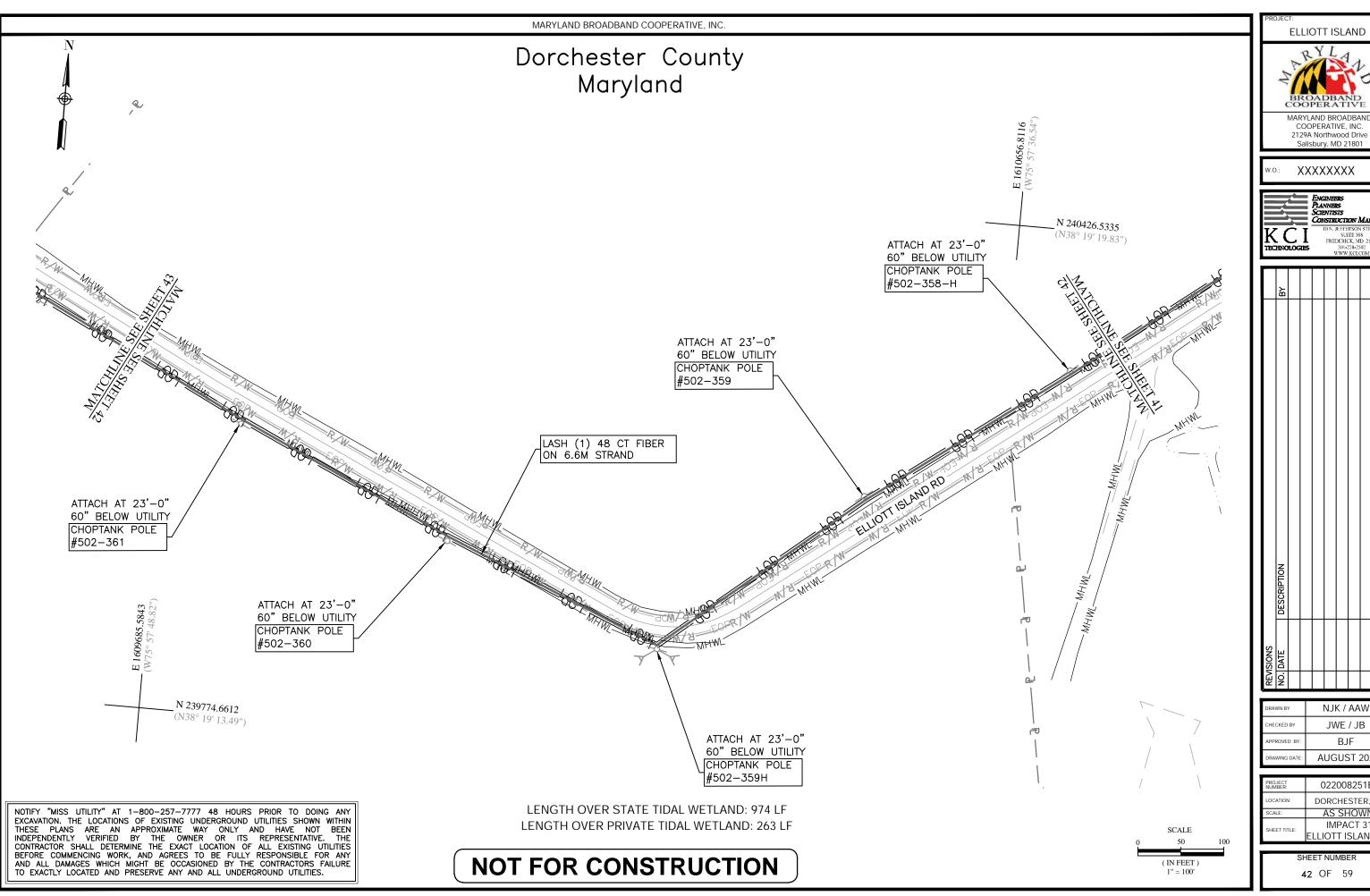




DRAWN B	Y	NJK / AAW
CHECKE	BY	JWE / JB
APPROVE	D BY:	BJF
DRAWING	DATE:	AUGUST 2023

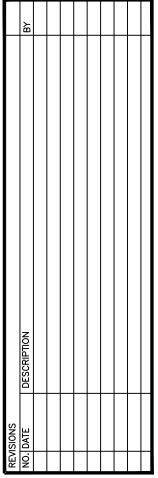
PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 30
SHEET HILE.	ELLIOTT ISLAND RD

SHEET NUMBER
41 OF 59



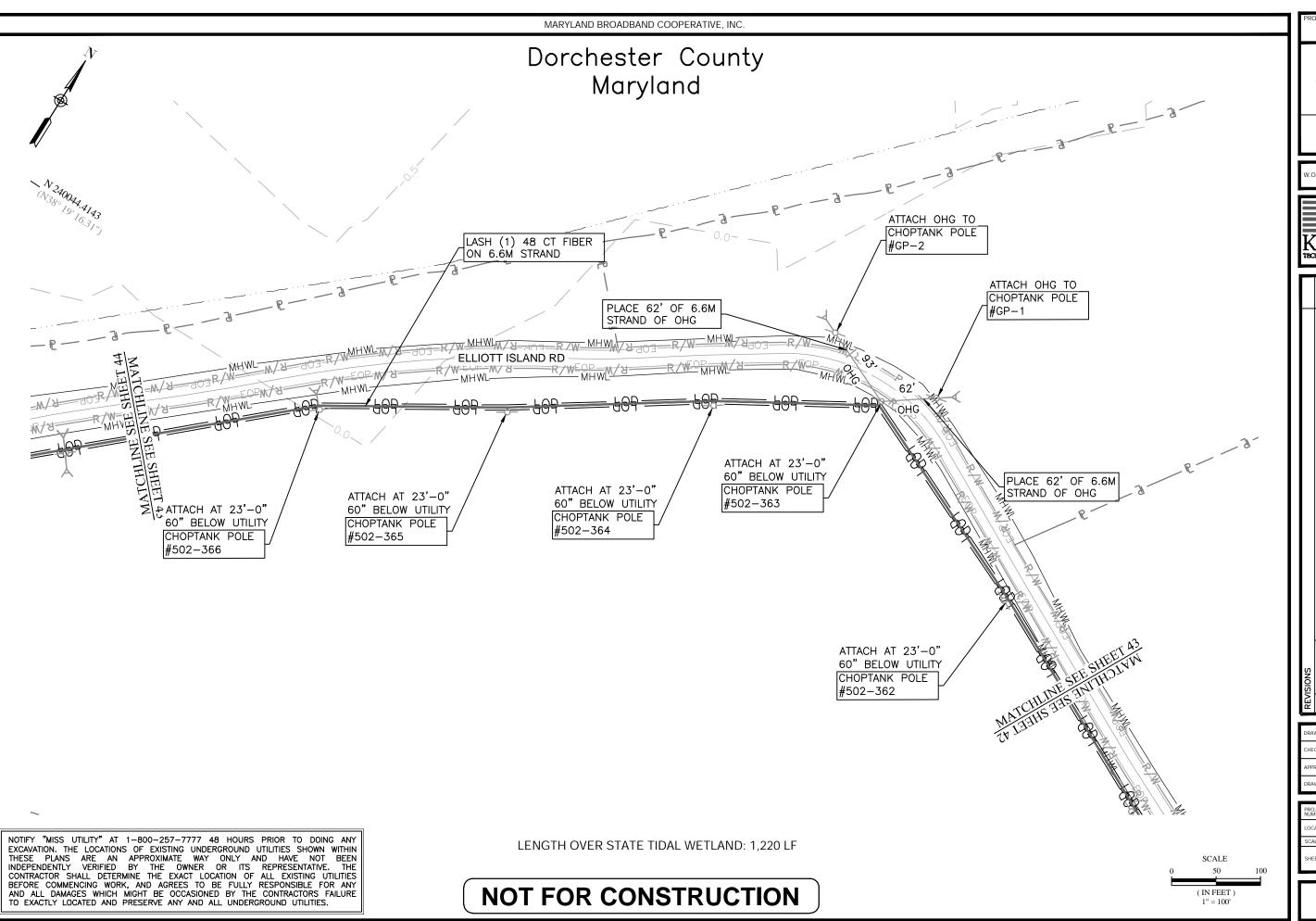






DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 31
SHEET TILE.	ELLIOTT ISLAND RD



BROADBAND
COOPERATIVE
MARYLAND BROADBAND
COOPERATIVE, INC.

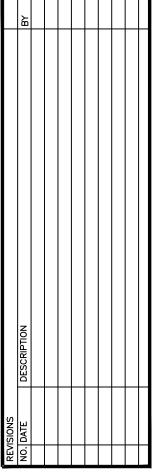
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2129A Northwood Drive Salisbury, MD 21801

ENGINEERS PLANNERS SCIENTISTS CONSTRUCT 10 N. DEFF SU. FREDER 301.

CONSTRUCTION MANAGER

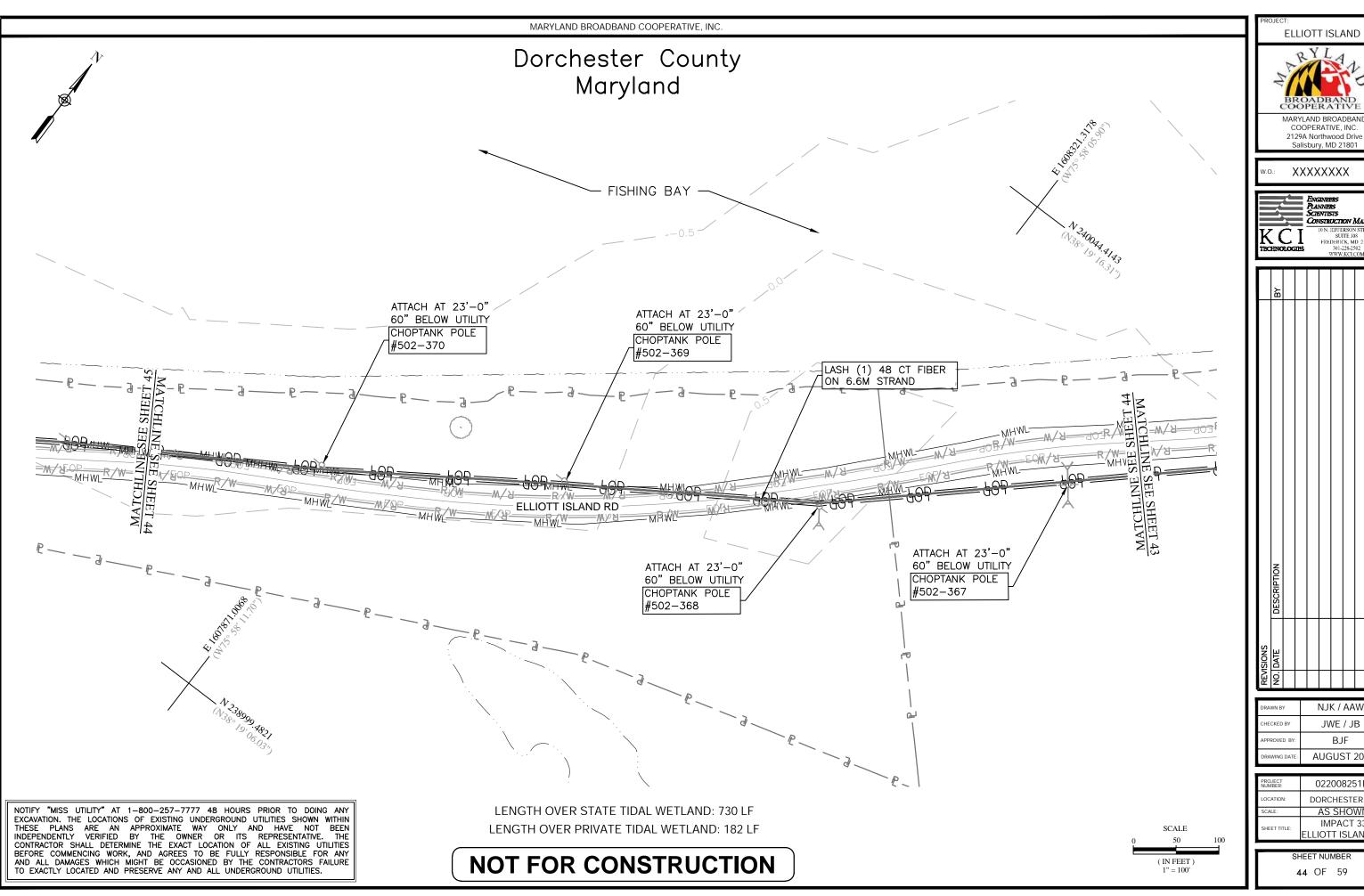
10 N. JEFFERSON STREET
SUITE 308
FREDERICK, MD 21701
301-228-2502
WWW KCL COM



DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

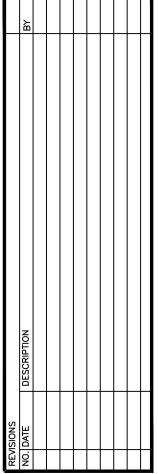
PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 32
SHEET TITLE:	ELLIOTT ISLAND RD

SHEET NUMBER
43 OF 59



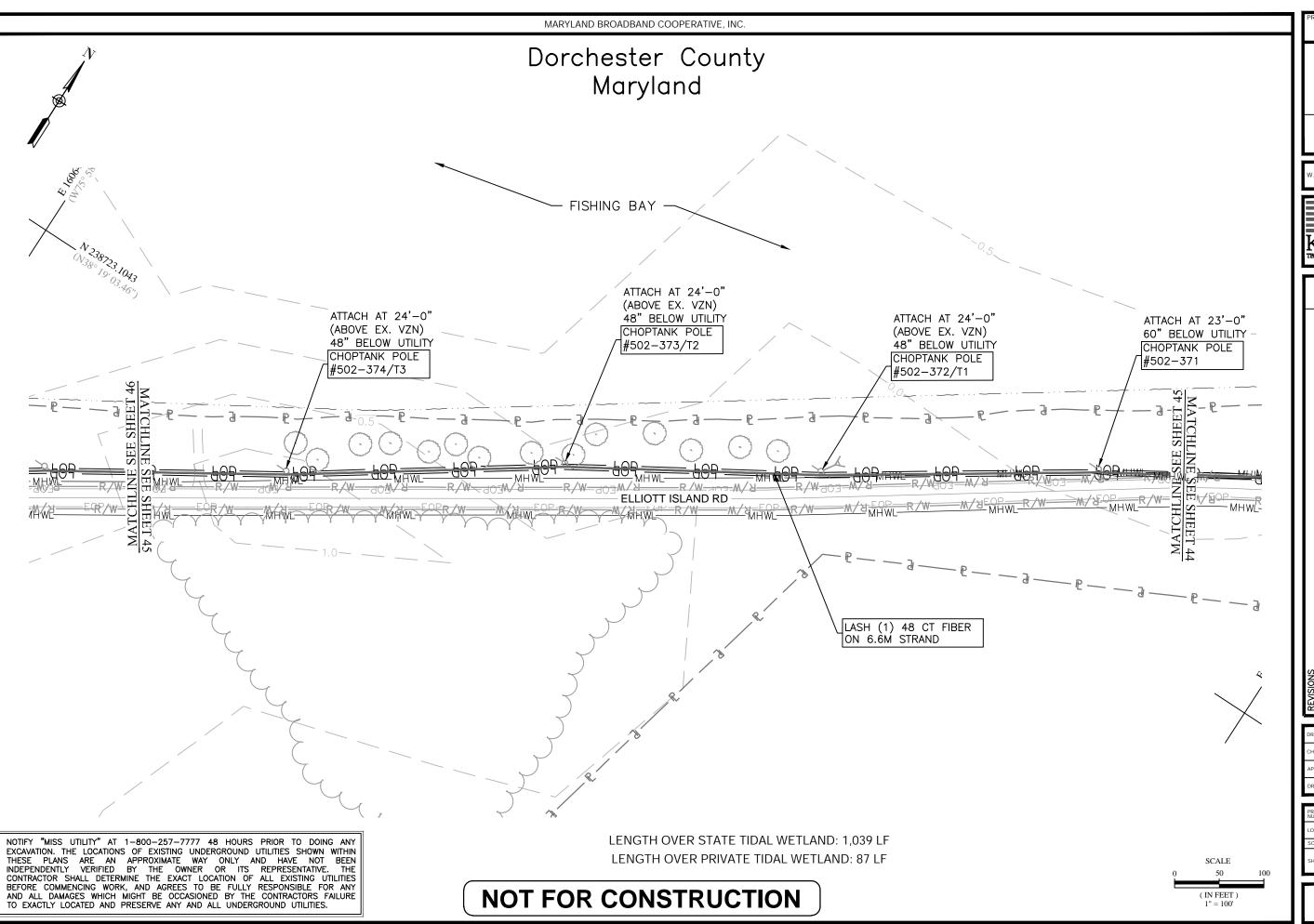


CONSTRUCTION MANAGER



DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

	PROJECT NUMBER:	022008251B
	LOCATION:	DORCHESTER, MD
П	SCALE:	AS SHOWN
	SHEET TITLE:	IMPACT 33
	SHEET TILE.	ELLIOTT ISLAND RD



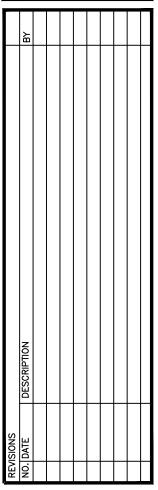


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ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGER

TBCHNOLOGIES

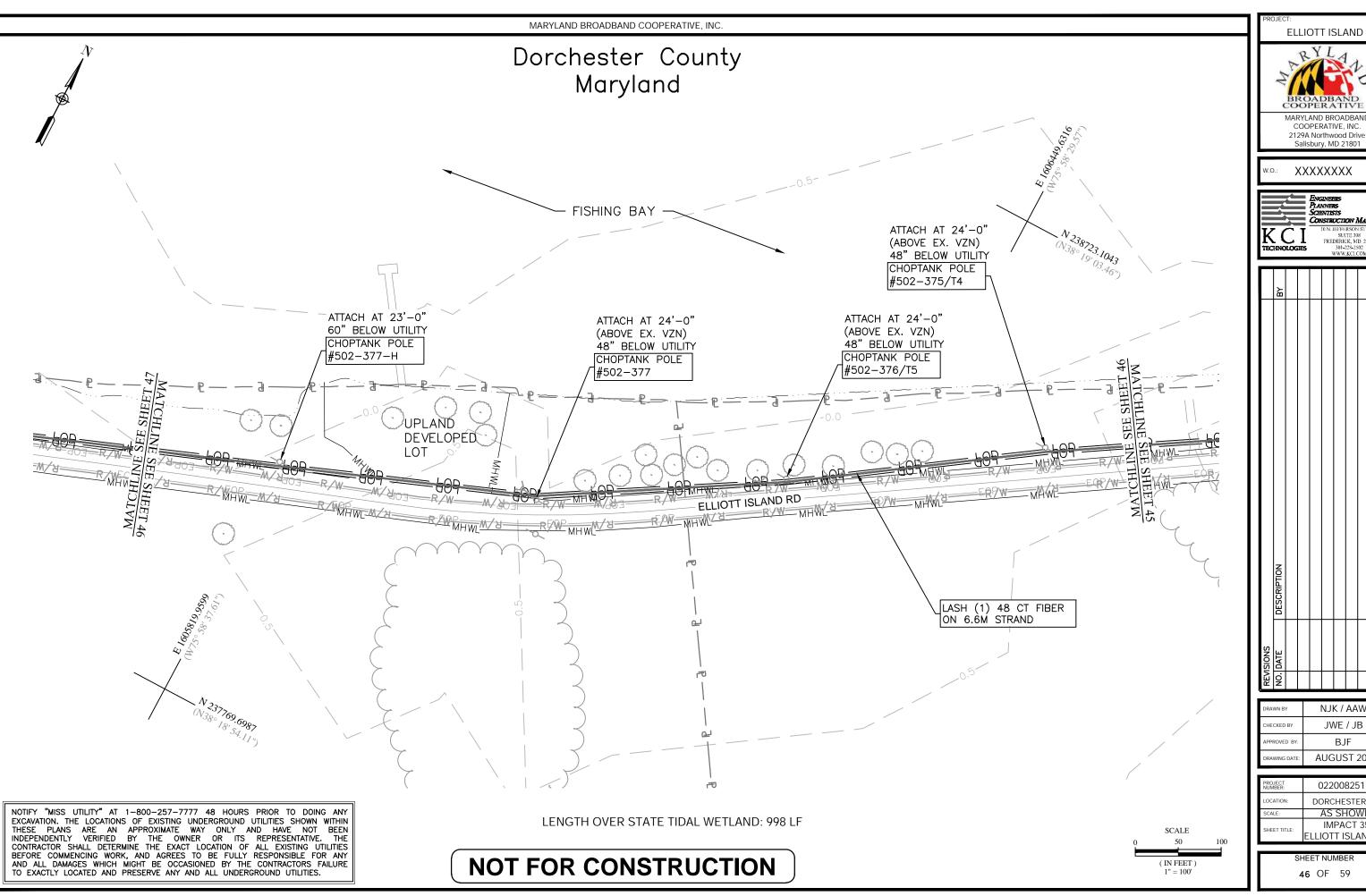
10 N. JEFFERSON STREET
SCHITT 30
FREDERICK, MD 21701
301-228-2902
WW.KCLCOM



DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

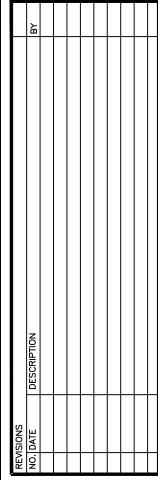
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LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 34
SHEET HIEE.	ELLIOTT ISLAND RD

SHEET NUMBER
45 OF 59



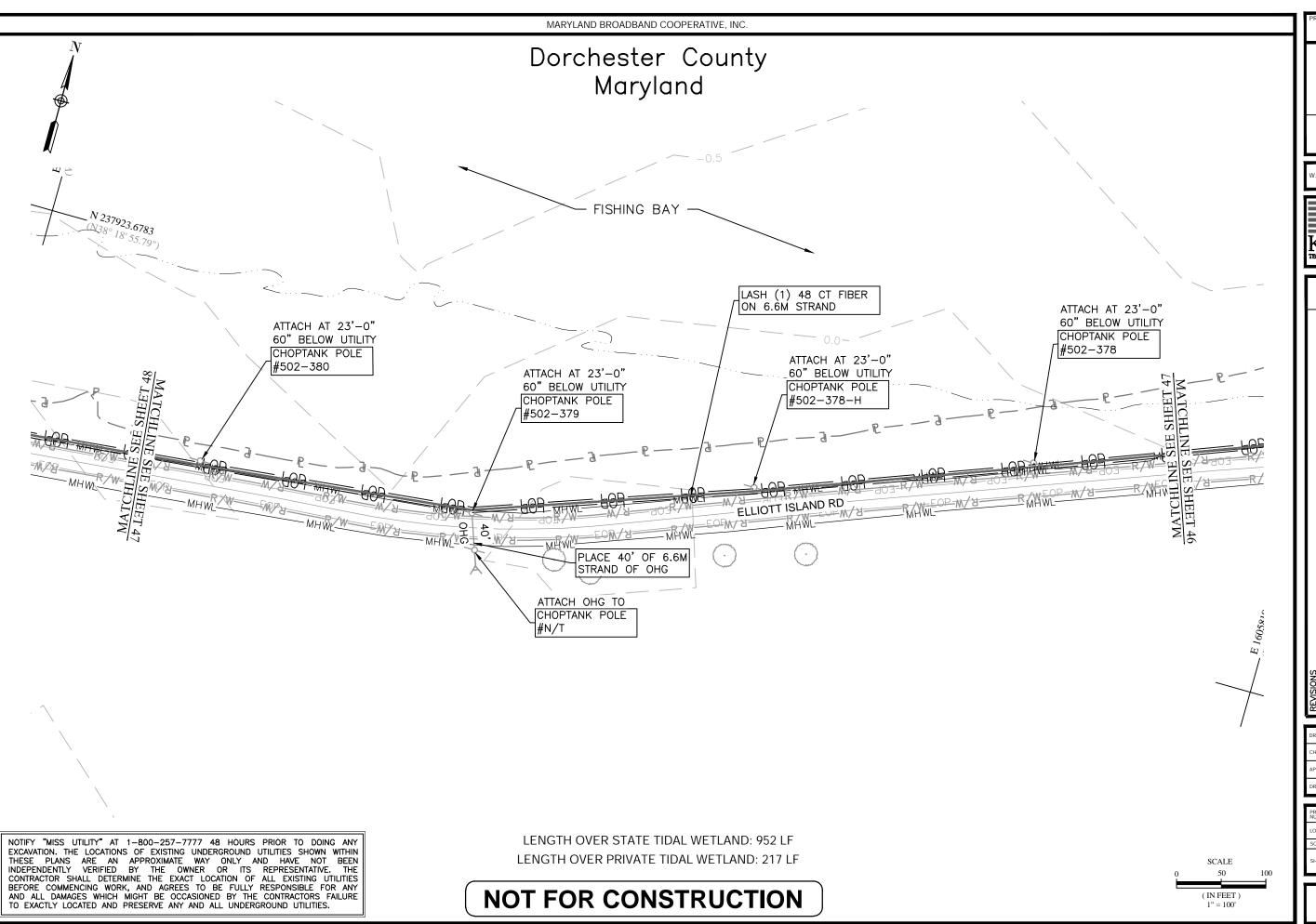






DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 35
SHEET HILE.	ELLIOTT ISLAND RD

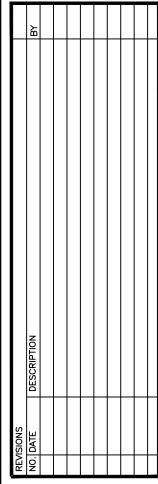




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2129A Northwood Drive Salisbury, MD 21801



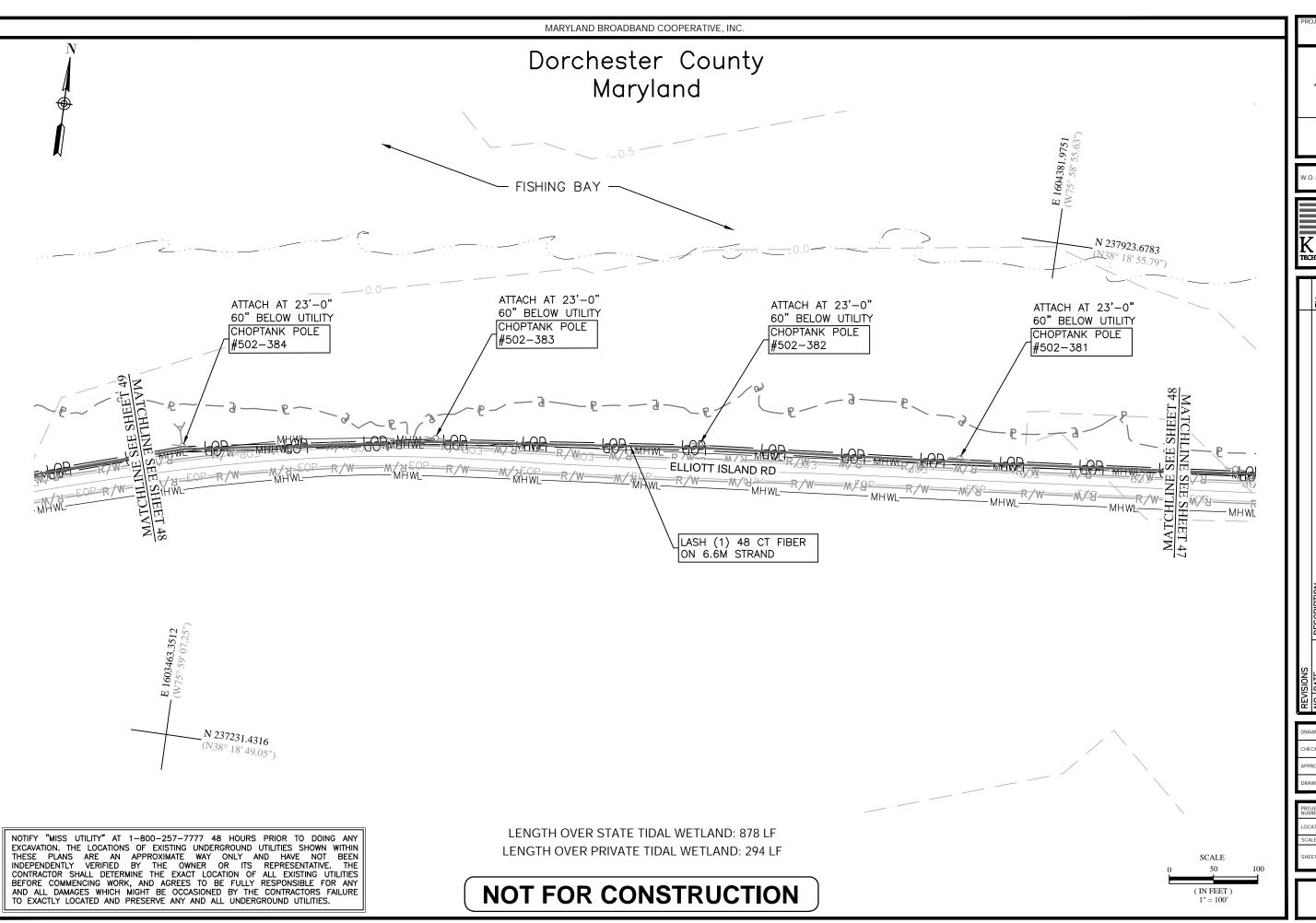


DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

	PROJECT NUMBER:	022008251B
	LOCATION:	DORCHESTER, MD
Ш	SCALE:	AS SHOWN
	SHEET TITLE:	IMPACT 36
	SHEET HIEE.	ELLIOTT ISLAND RD

SHEET NUMBER

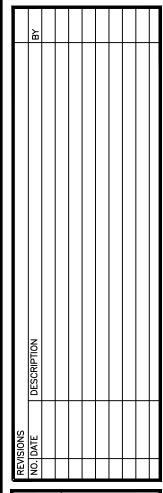
47 OF 59





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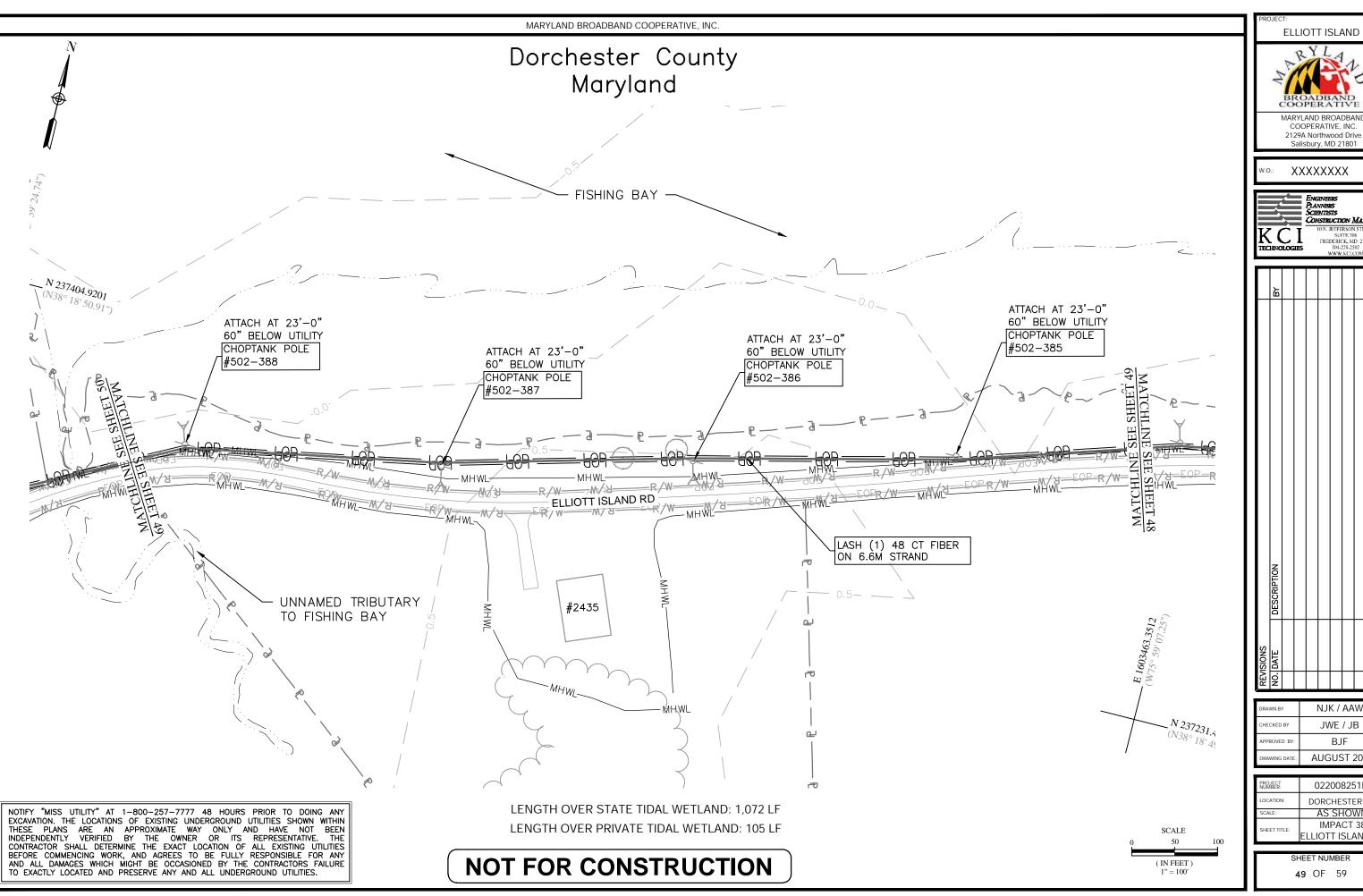




DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

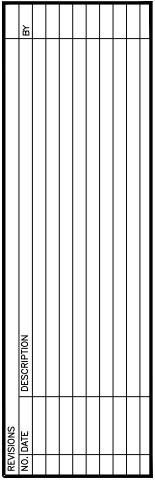
PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 37
SHEET TILE.	ELLIOTT ISLAND RD

SHEET NUMBER
48 OF 59



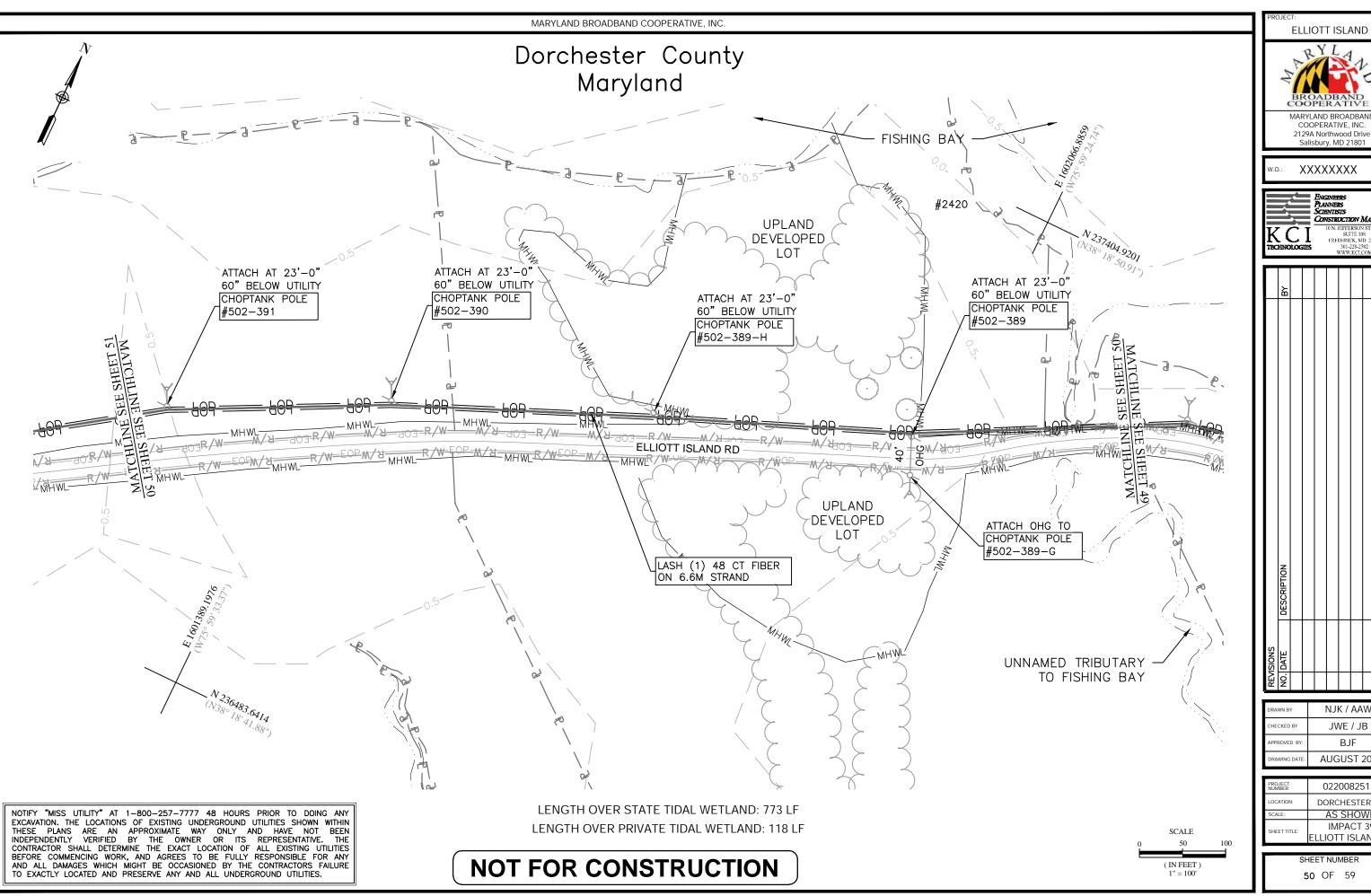






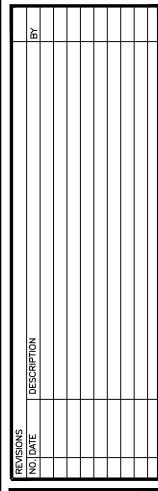
DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

	PROJECT NUMBER:	022008251B
	LOCATION:	DORCHESTER, MD
Ш	SCALE:	AS SHOWN
	SHEET TITLE:	IMPACT 38
	SHEET HILE.	ELLIOTT ISLAND RD





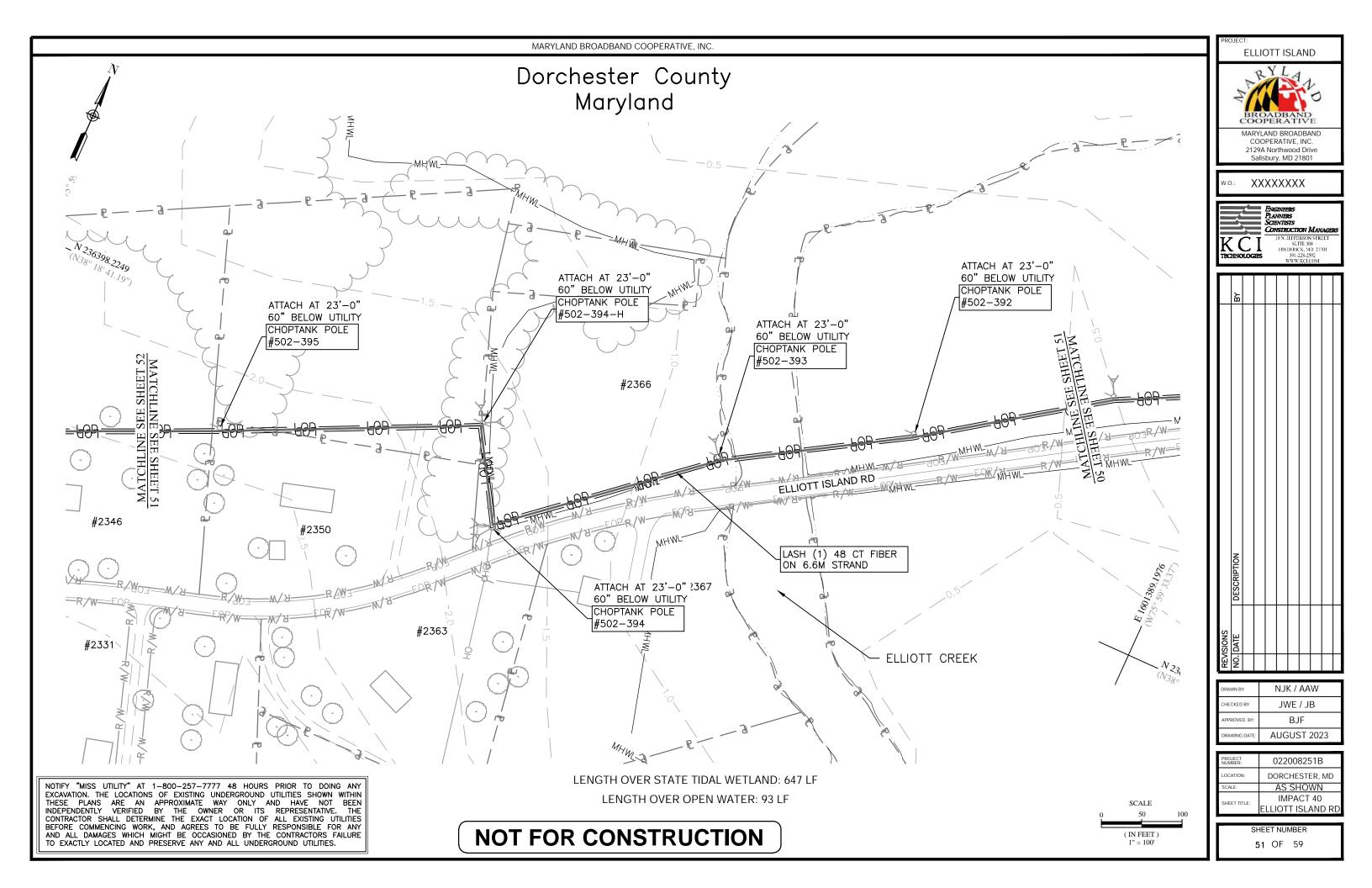


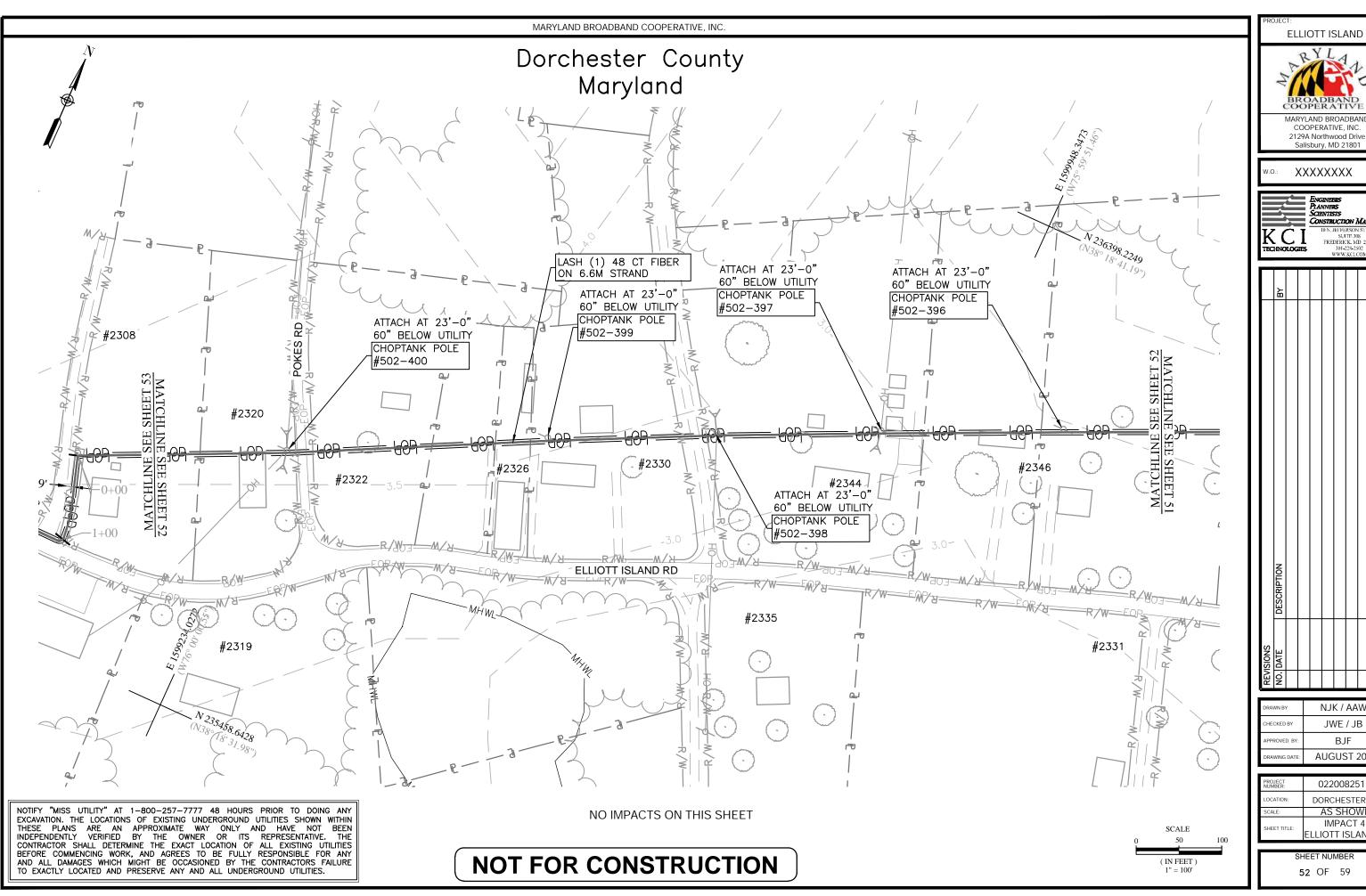


DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 39
SHEET HILL.	ELLIOTT ISLAND RD

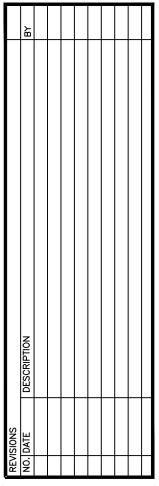
SHEET NUMBER **50** OF 59





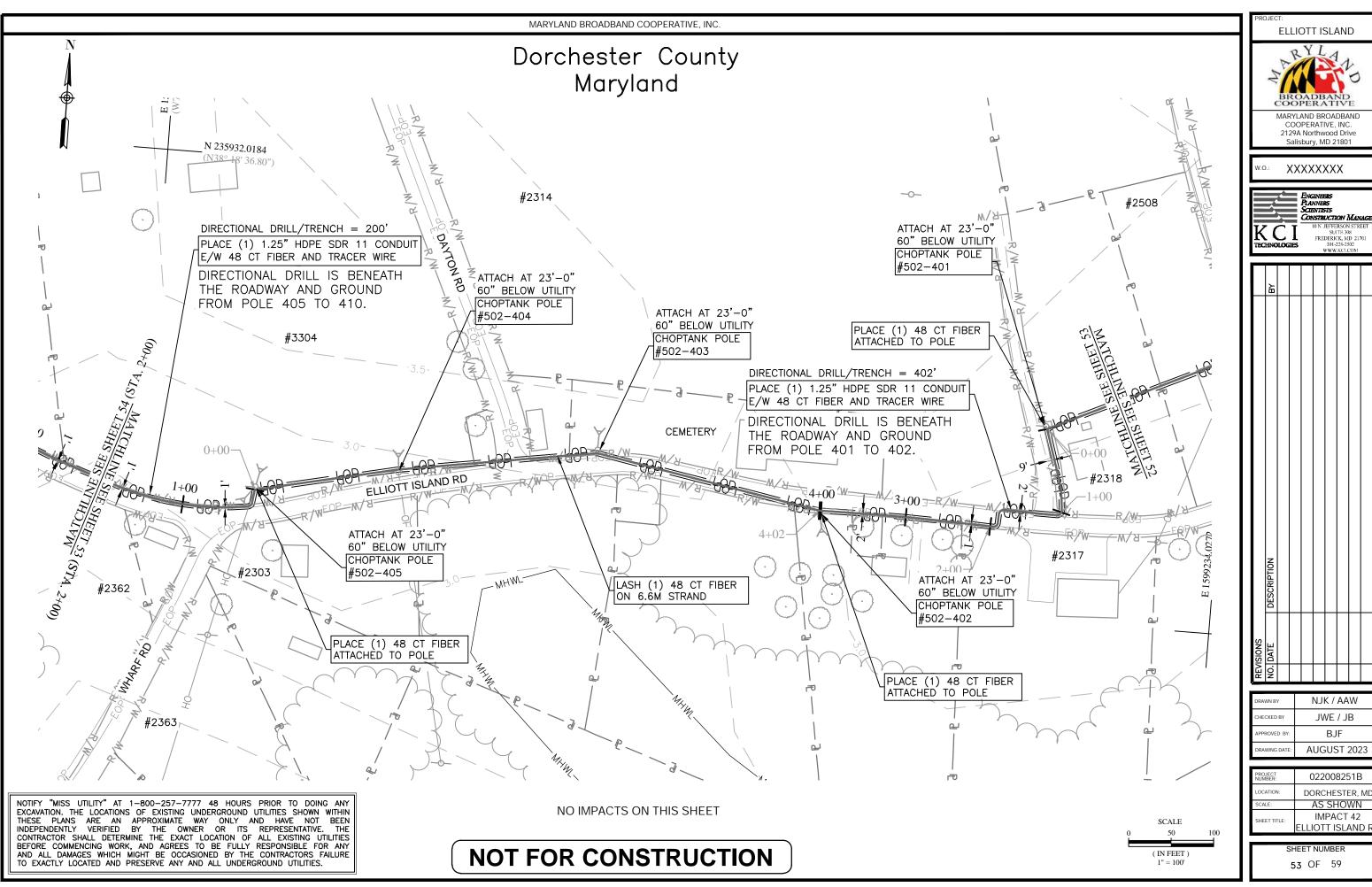


CONSTRUCTION MANAGER SUITE 308 FREDERICK, MD 21701



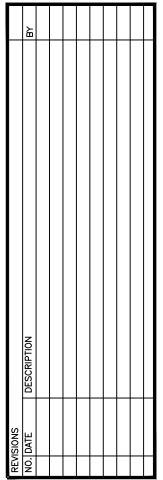
DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 41
SHEET TILE.	ELLIOTT ISLAND RD



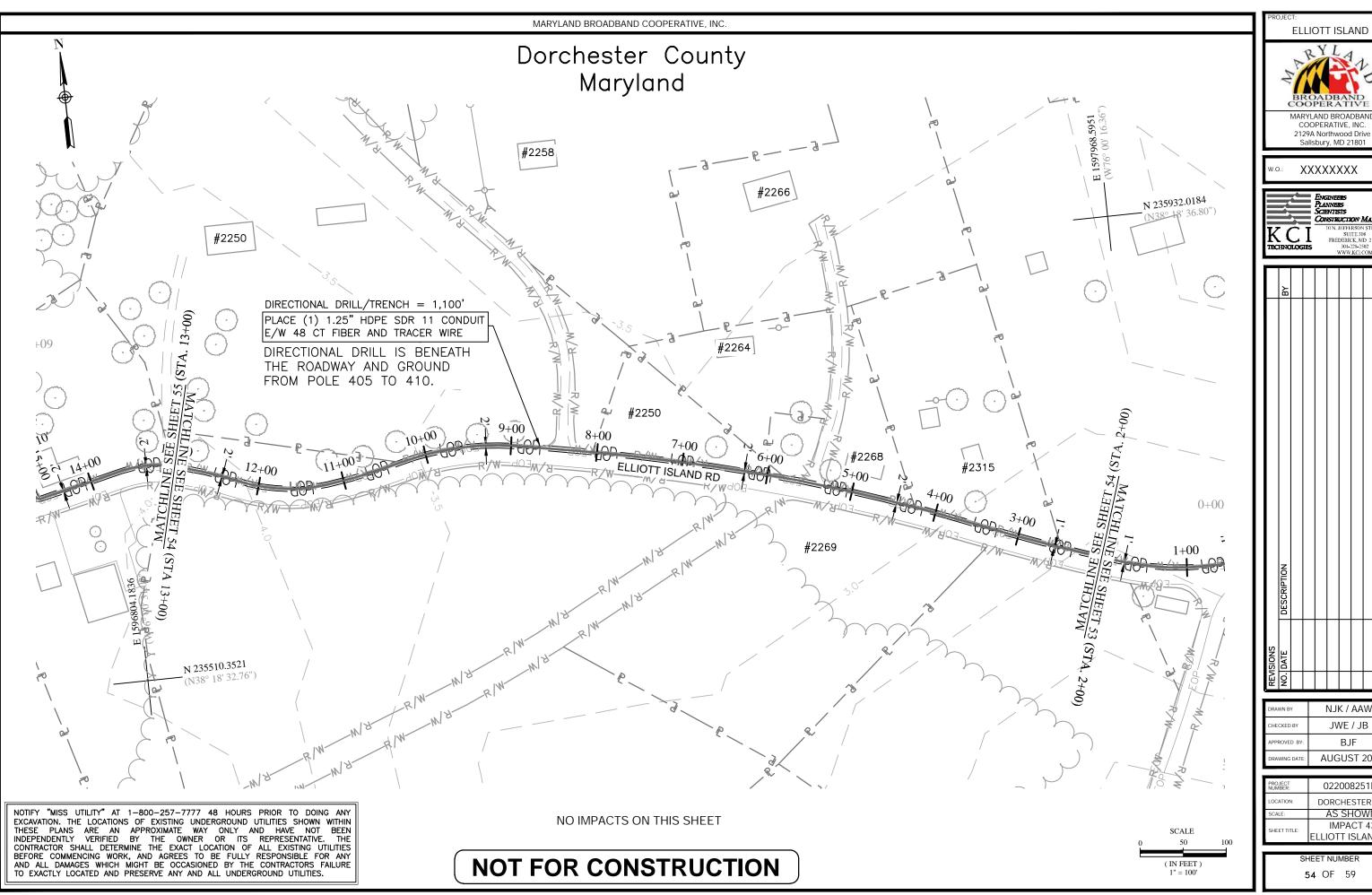


CONSTRUCTION MANAGER



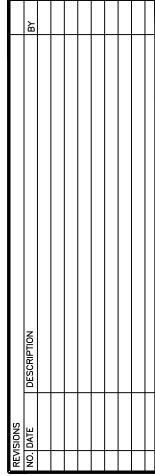
DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 42
	ELLIOTT ISLAND RD



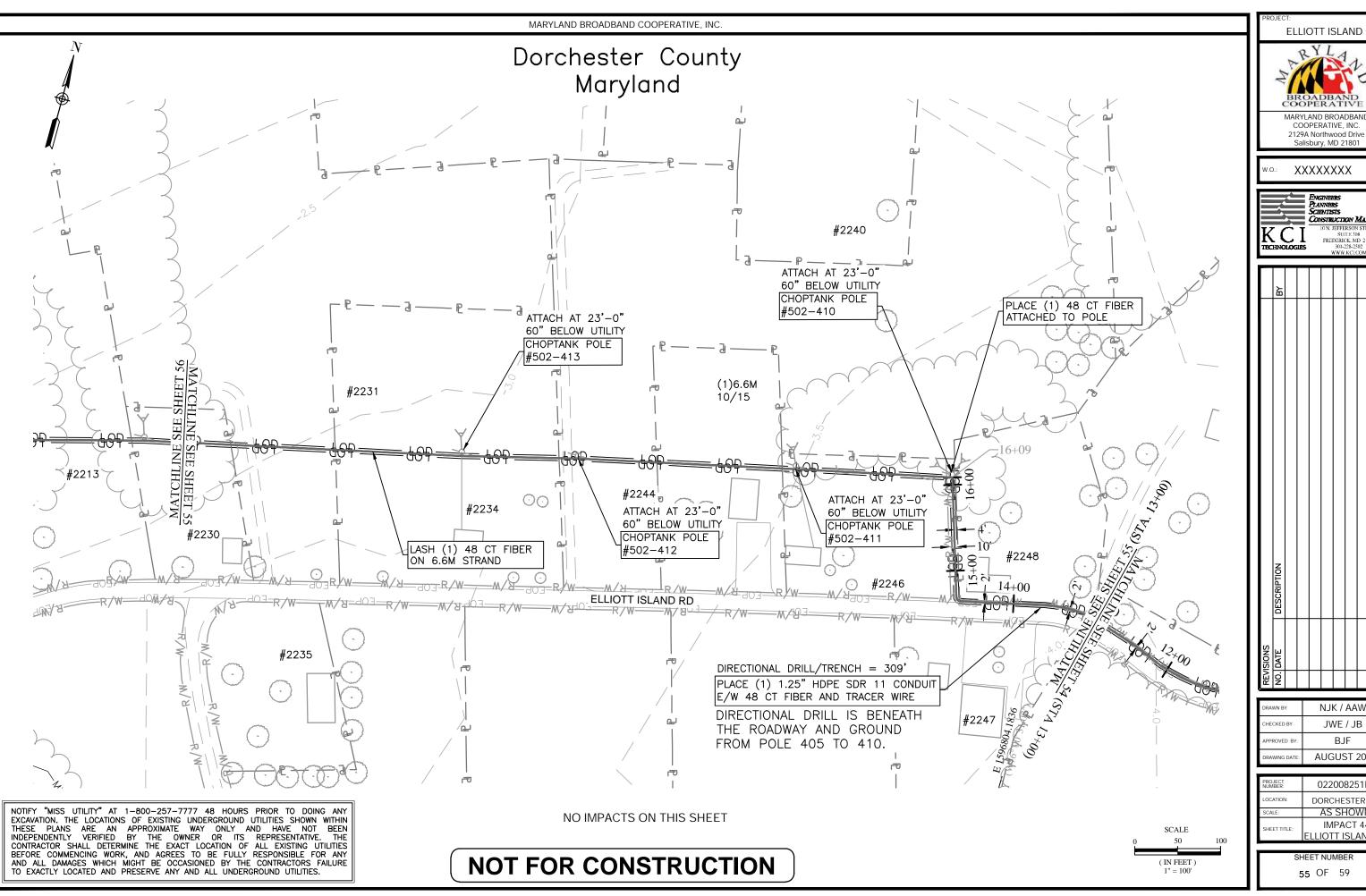






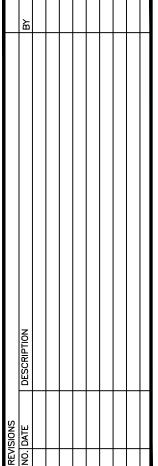
DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 43
	ELLIOTT ISLAND RD



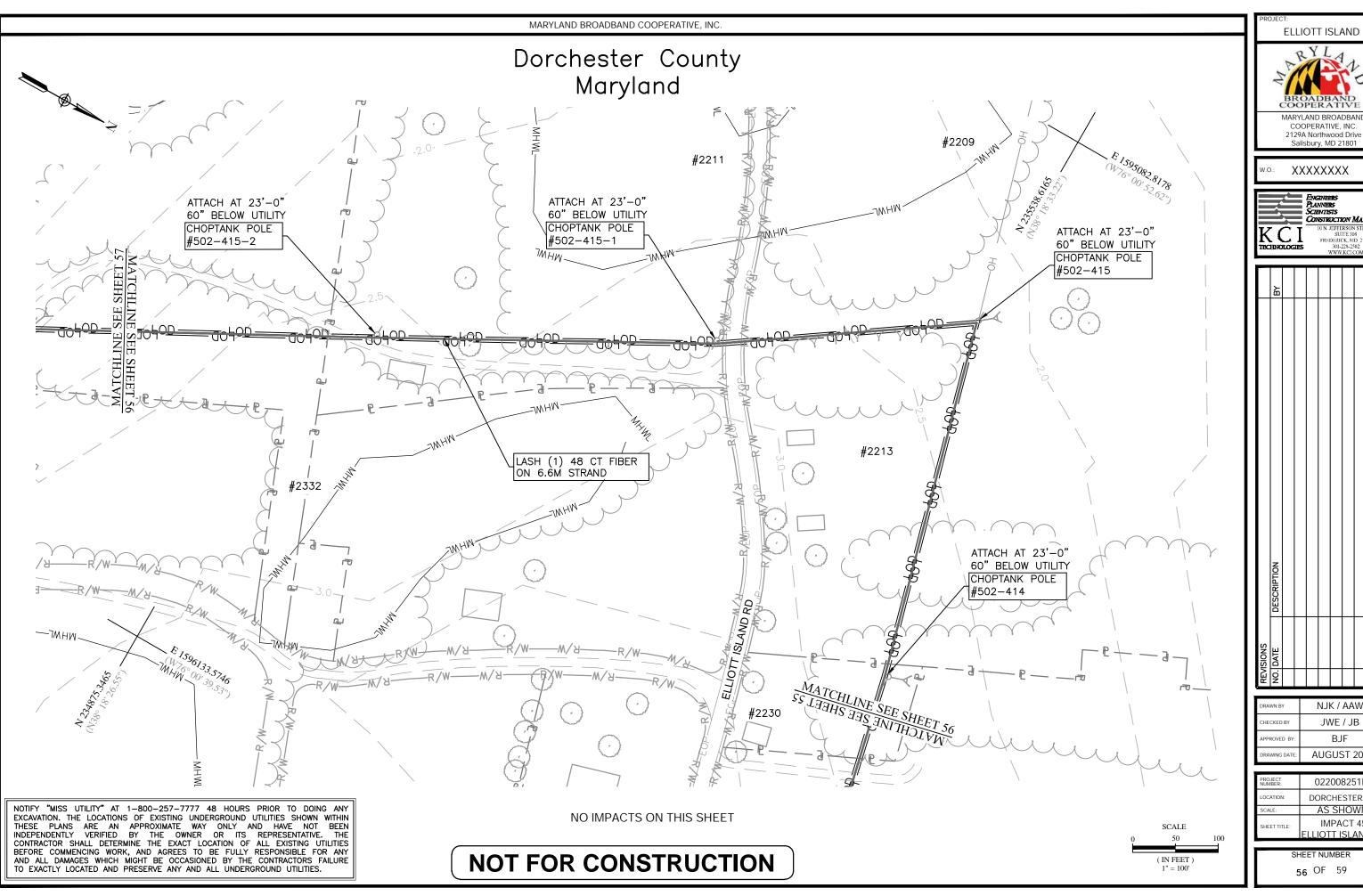


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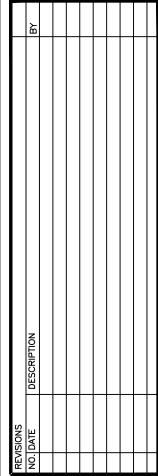
DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 44 ELLIOTT ISLAND RD



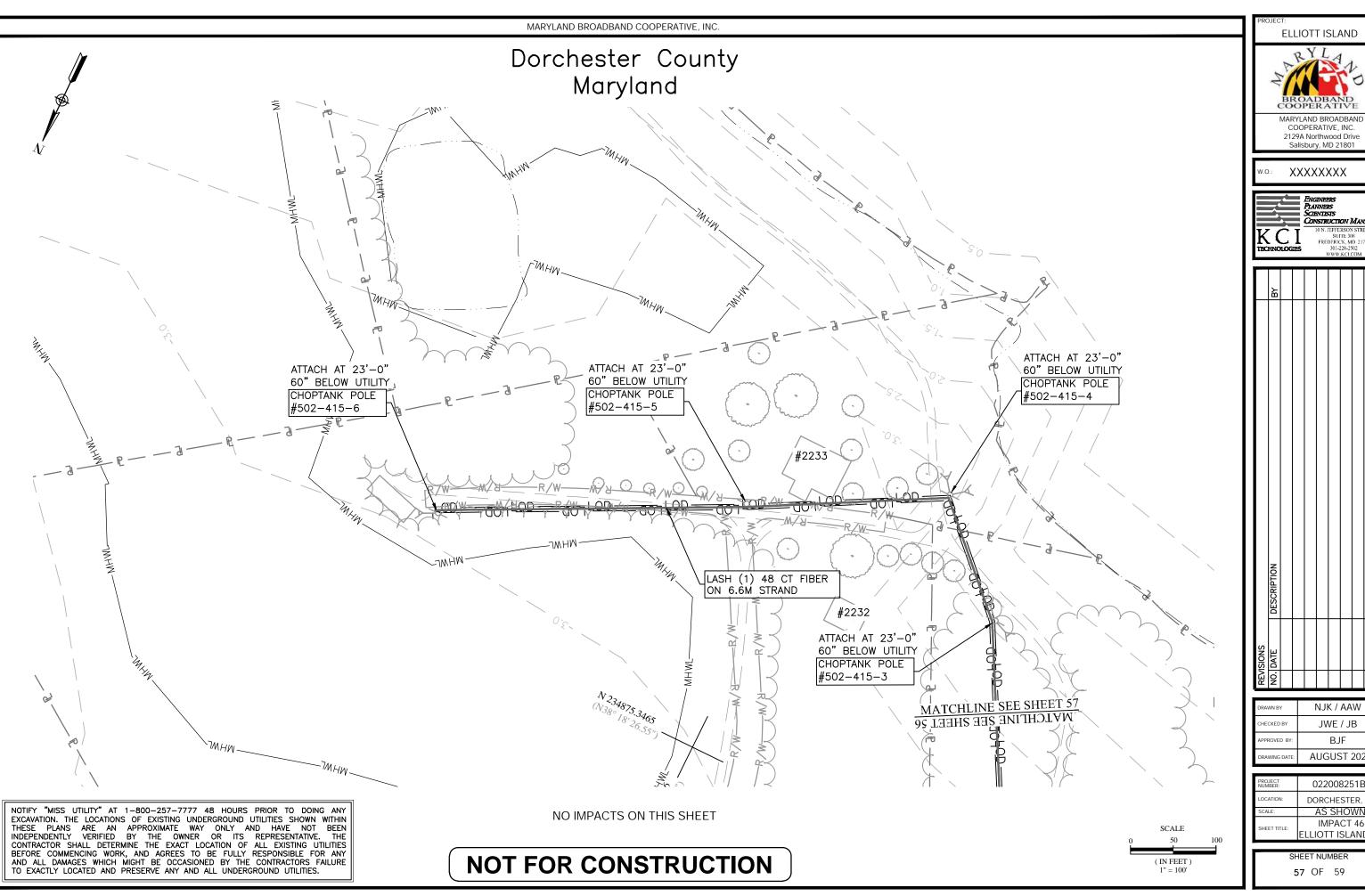


CONSTRUCTION MANAGER



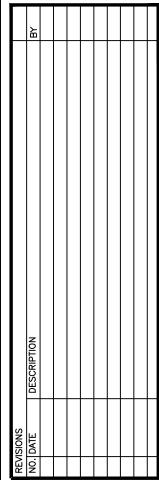
DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT 45 ELLIOTT ISLAND RD









DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

	PROJECT NUMBER:	022008251B
	LOCATION:	DORCHESTER, MD
	SCALE:	AS SHOWN
	SHEET TITLE:	IMPACT 46
SHEET HIEE.	SHEET TILE.	ELLIOTT ISLAND RD

Dorchester County Maryland

	LINEAR FOOTAGE OVER STATE TIDAL WETLAND
IMPACT 1	857
IMPACT 2	246
IMPACT 3	362
IMPACT 4	1,084
IMPACT 5	1,131
IMPACT 6	1,128
IMPACT 7	660
IMPACT 8	1,012
IMPACT 9	1,088
IMPACT 10	1,231
IMPACT 11	993
IMPACT 12	1,132
IMPACT 13	1,146
IMPACT 14	1,027
IMPACT 15	950
IMPACT 16	752
IMPACT 17	1,189
IMPACT 18	1,149
IMPACT 19	423
IMPACT 20	1,194
IMPACT 21	958
IMPACT 22	934
IMPACT 23	958

	LINEAR FOOTAGE OVER STATE TIDAL WETLAND
IMPACT 24	1,166
IMPACT 25	397
IMPACT 26	1,193
IMPACT 27	1,152
IMPACT 28	862
IMPACT 29	917
IMPACT 30	1,177
IMPACT 31	974
IMPACT 32	1,220
IMPACT 33	730
IMPACT 34	1,039
IMPACT 35	998
IMPACT 36	952
IMPACT 37	878
IMPACT 38	1,072
IMPACT 39	773
IMPACT 40	647
IMPACT 41	0
IMPACT 42	0
IMPACT 43	0
IMPACT 44	0
IMPACT 45	0
IMPACT 46	0
TOTAL	37,751

NOTES:

- 1. AVERAGE HEIGHT OF CABLE OVER TIDAL WETLAND 23 FEET
- 2. MAXIMUM DISTANCE CHANNEL WARD 167 FEET (SEE SHEET 32 OF 58)
- 3. TOTAL LENGTH OVER OPEN WATER 514 LINEAR FEET (IMPACT 18 (SHEET 29) 78 LF, IMPACT 19 (SHEET 30) 195 LF, IMPACT 25 (SHEET 36) 148 LF, AND IMPACT 40 (SHEET 51) 93 LF)

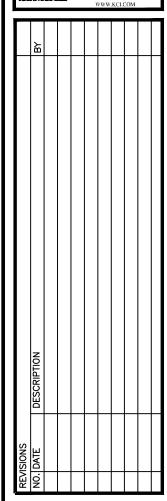
NOTIFY "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO DOING ANY EXCAVATION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN WITHIN THESE PLANS ARE AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOT FOR CONSTRUCTION



W.O.: XXXXXXXX





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	DRAWN BY	NJK / AAW				
	CHECKED BY	JWE / JB				
	APPROVED BY:	BJF				
	DRAWING DATE:	AUGUST 2023				

PROJECT NUMBER:	022008251B
LOCATION:	DORCHESTER, MD
SCALE:	AS SHOWN
SHEET TITLE:	IMPACT TOTALS
SHEET HILL.	ELLIOTT ISLAND RD

SHEET NUMBER
58 OF 59

Dorchester County Maryland

	LINEAR FOOTAGE OVER PRIVATE TIDAL WETLAND
IMPACT 1	0
IMPACT 2	396
IMPACT 3	604
IMPACT 4	0
IMPACT 5	0
IMPACT 6	0
IMPACT 7	459
IMPACT 8	178
IMPACT 9	0
IMPACT 10	0
IMPACT 11	0
IMPACT 12	0
IMPACT 13	0
IMPACT 14	0
IMPACT 15	262
IMPACT 16	469
IMPACT 17	0
IMPACT 18	0
IMPACT 19	0
IMPACT 20	0
IMPACT 21	0
IMPACT 22	0
IMPACT 23	201

	LINEAR FOOTAGE OVER PRIVATE TIDAL WETLAND
IMPACT 24	0
IMPACT 25	315
IMPACT 26	0
IMPACT 27	0
IMPACT 28	273
IMPACT 29	259
IMPACT 30	0
IMPACT 31	263
IMPACT 32	0
IMPACT 33	182
IMPACT 34	87
IMPACT 35	0
IMPACT 36	217
IMPACT 37	294
IMPACT 38	105
IMPACT 39	118
IMPACT 40	0
IMPACT 41	0
IMPACT 42	0
IMPACT 43	0
IMPACT 44	0
IMPACT 45	0
IMPACT 46	0
TOTAL	4,682

NOTIFY "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO DOING ANY EXCAVATION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN WITHIN THESE PLANS ARE AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOT FOR CONSTRUCTION



W.O.: XXXXXXXX



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DRAWN BY	NJK / AAW
CHECKED BY	JWE / JB
APPROVED BY:	BJF
DRAWING DATE:	AUGUST 2023

	PROJECT NUMBER:	022008251B
	LOCATION:	DORCHESTER, MD
	SCALE:	AS SHOWN
	SHEET TITLE:	IMPACT TOTALS
		ELLIOTT ISLAND RD

SHEET NUMBER
59 OF 59