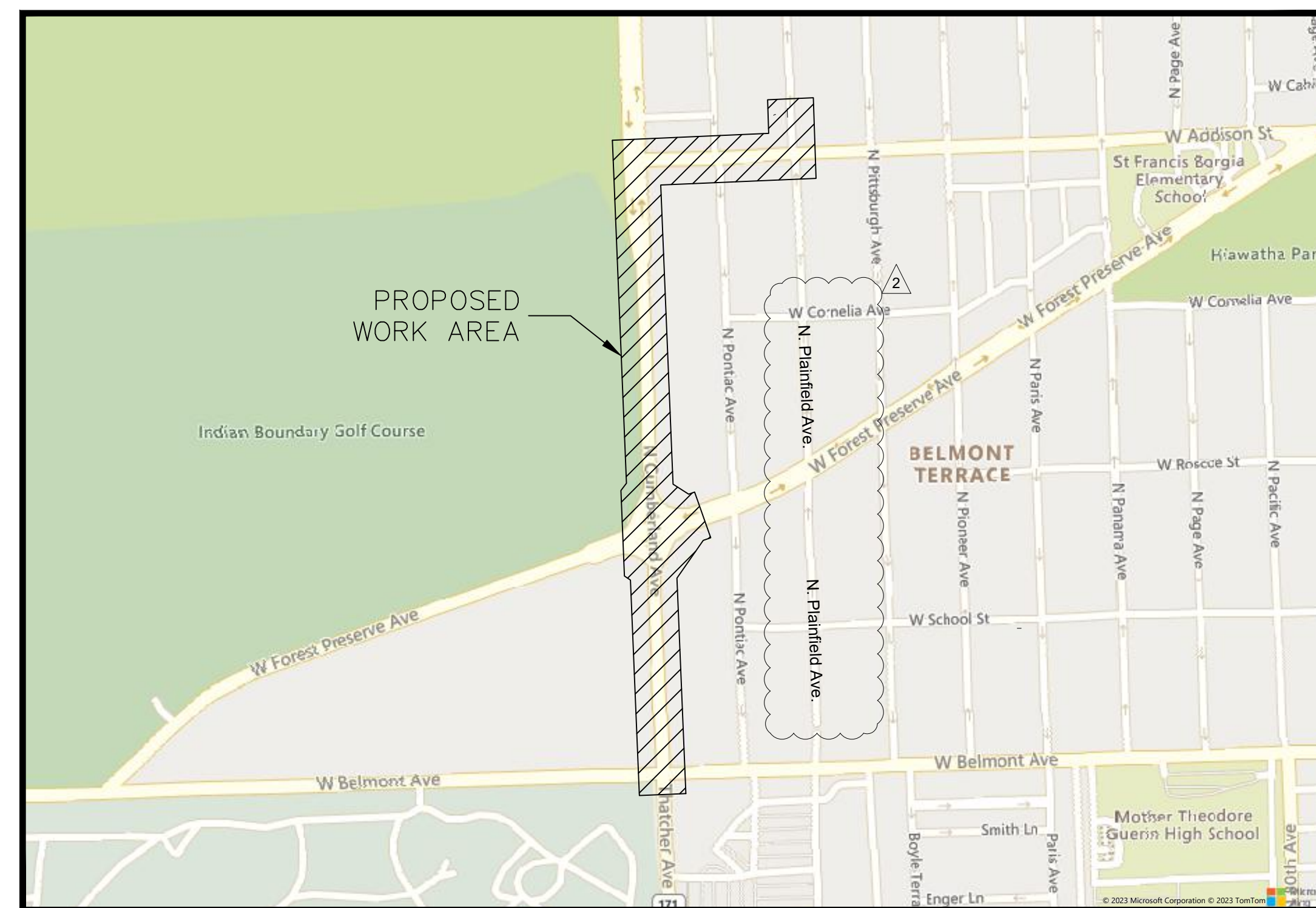




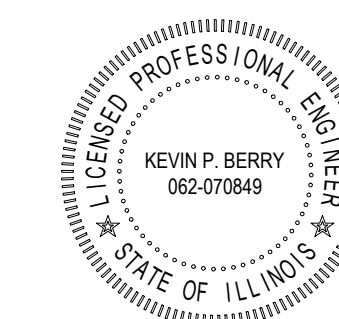
PROPOSED FIBER OPTIC CONDUIT INSTALLATION - CTF_UG_100 N. CUMBERLAND AVE. & W. BELMONT AVE. CHICAGO, ILLINOIS

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SITE LOCATION MAP



ENGINEER'S ESTIMATE OF MATERIALS	
QUANTITY	ITEM
6	30" COMMUNICATIONS MANHOLE
1210	LINEAR FEET OF 1-2" PVC SCHEDULE 40 CONDUIT FOR FIBER - VIA 3' MAX OPEN CUT TRENCH
1210	LINEAR FEET OF 1-1.25" PVC FUTURE PATH - VIA 3' MAX OPEN CUT TRENCH
6052	LINEAR FEET OF 1-2" HDPE SDR 11 CONDUIT FOR FIBER - VIA DIRECTIONAL BORE
6052	LINEAR FEET OF 1-1.25" HDPE FUTURE PATH - VIA DIRECTIONAL BORE
3619	LINEAR FEET OF 1-12 AWG TRACER WIRE



PROFESSIONAL ENGINEER
EXPIRES 11-30-2023
Kevin P. Berry
SIGNATURE
09/19/2023
DATE

NOTE: THE FOLLOWING PLAN SET IS NOT TRANSFERABLE AND IS ONLY CONSIDERED AN OFFICIAL CONSTRUCTION DRAWING WHEN ACCOMPANIED WITH A SIGNED ENGINEERING SEAL.

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CROSTOWN FIBER
 JOHN HEMMER
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 (773) 495-0009

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 T.B.D.

ENGINEER:
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 CHICAGO, IL 60604
 KBERRY@TALMANCONSULTANTS.COM
 (847) 791-2770

PROPOSED		COMMUNICATIONS	
	PROPOSED OPEN CUT TRENCH	ATT	EXISTING AT&T
	PROPOSED DIRECTIONAL BORE	--- ATT ---	EXISTING AT&T (ABANDON)
	PROPOSED BORE PIT	CC	EXISTING CROWN CASTLE
	PROPOSED 30" COMMUNICATIONS MH	CTV	EXISTING CABLE TV
	PROPOSED QUAZITE BOX	CM	EXISTING COMCAST
	EXISTING COMED	CO	EXISTING COMMUNICATIONS
	EXISTING CTA	L3	EXISTING LEVEL 3
	POTENTIAL BURIED CTA ABANDON TRACKS	LG	EXISTING LOOKING GLASS
	EXISTING DEO/ELECTRIC	JB	EXISTING JOINT BUILD
	EXISTING STREET LIGHT CONTROL BOX	MD	EXISTING McLEODUSA
	EXISTING TRAFFIC LIGHT CONTROL BOX	MCI	EXISTING MCI/VERIZON
	EXISTING STREET LIGHT HANDHOLE	NG	EXISTING NEXTG
	EXISTING TRAFFIC LIGHT HANDHOLE	QW	EXISTING QWEST
	EXISTING RED LIGHT CAMERA POLE	RCN	EXISTING RCN
	EXISTING ENWAVE/UNICOM	SD	EXISTING SIDERA
	EXISTING GAS MAIN	SP	EXISTING SPRINT
	EXISTING GAS MAIN (DEAD)	SN	EXISTING SUNESYS
	EXISTING GAS CAP	VZ	EXISTING VERIZON
	EXISTING GAS REDUCER	WOW	EXISTING WOW
	EXISTING FENCE	XO	EXISTING XO COMMUNICATIONS
	EXISTING CONSTRUCTION FENCE	YP	EXISTING YIPES COMMUNICATIONS
	EXISTING GUARDRAIL	ZA	EXISTING ZAYO GROUP
	APPROXIMATE PROPERTY LINE/ R.O.W.)	EXISTING SEWER MAIN
	EXISTING BIKE RACK	---) ---	EXISTING SEWER MAIN (ABANDON)
	EXISTING TREE	>	EXISTING STORM SEWER MAIN
	EXISTING BUSH		EXISTING MWRD MANHOLE
	EXISTING STREET SIGN POST	W	EXISTING WATER MAIN
	EXISTING POST/BOLLARD	--- W ---	EXISTING WATER MAIN (ABANDON)
	EXISTING GROUND LIGHT		EXISTING WATER SHUT OFF
	EXISTING UTILITY POLE		EXISTING FIRE CISTERN MANHOLE
	EXISTING STANDPIPE		EXISTING WATER CAP
	EXISTING ADA RAMP		EXISTING SEWER MANHOLE
	EXISTING SUPPORT COLUMN		EXISTING SEWER CATCH BASIN
	EXISTING MISCELLANEOUS MANHOLE		EXISTING SEWER INLET
	EXISTING GARBAGE CAN		EXISTING SEWER MANHOLE
	EXISTING PARK DISTRICT MANHOLE		EXISTING SEWER CATCH BASIN
	EXISTING MONITORING WELL		EXISTING SEWER INLET
	EXISTING FIRE ALARM		EXISTING SEWER MANHOLE
	EXISTING STREET PARKING PAY BOX		EXISTING SEWER CATCH BASIN
	EXISTING PEDESTAL		EXISTING SEWER INLET
	EXISTING MAILBOX		EXISTING SEWER MANHOLE
	EXISTING NEWSPAPER BOX		EXISTING SEWER CATCH BASIN
	EXISTING PHONE		EXISTING SEWER INLET
	EXISTING SPRINKLER CONTROL BOX		EXISTING SEWER MANHOLE
	EXISTING SPRINKLER VALVE		EXISTING SEWER CATCH BASIN
	EXISTING SUPPORT COLUMN		EXISTING SEWER INLET

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REV: 01/27/20

ALL PROPOSED WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE ENSUING NON-INCLUSIVE CONDITIONS:

SCOPE OF WORK:

- CONSTRUCTION OF ALL ASSOCIATED ACCESSORIES FOR CONDUIT INSTALLATION. SEE PLAN SHEETS FOR SUMMARY OF PROPOSED IMPROVEMENTS.

ESTIMATE OF MATERIALS: SEE COVER SHEET.
- THE CONTRACTOR SHALL PROVIDE ALL COMPONENTS NECESSARY TO COMPLETE THE DESCRIBED WORK UNDER THIS CONTRACT INCLUDING MATERIAL, LABOR, EQUIPMENT, INSTALLATION, RESTORATION, JOB SITE DELIVERY COSTS, AND UTILITY RELOCATION CHARGES IF NECESSARY.
- CHANGE-ORDER REQUESTS MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE. DOCUMENTATION CONCERNING ANY AND ALL CHANGE ORDERS WILL BE TREATED AS LEGAL DOCUMENTS AND ARE TO BE FILED WITH THE OWNER'S REPRESENTATIVE FOR FUTURE REFERENCE.

4. THE ENGINEER WILL NOT BE RESPONSIBLE OR LIABLE FOR ERRORS OR NEGLIGENT ACTS OF OMISSIONS OF ANY CONTRACTOR, SUBCONTRACTOR, OR ANY OF THE CONTRACTORS' OR SUBCONTRACTORS' EMPLOYEES OR AGENTS OR ANY OTHER PERSONS (EXCLUDING ENGINEER'S OWN EMPLOYEES) AT THE CONSTRUCTION SITE OR OTHERWISE PERFORMING ANY OF THE PROJECT WORK. CONTRACTORS, SUBCONTRACTORS, AND ENGINEERS WILL BE RESPONSIBLE FOR THEIR OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTION OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUBCONSULTANTS AT THE CONSTRUCTION SITE SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES, OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, OR COORDINATING ALL PORTIONS OF THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.

5. THE CONTRACTOR SHALL PROVIDE ADVANCED NOTICE TO THE ENGINEER TO SCHEDULE A WALK THROUGH OF THE CONSTRUCTION SITE WITH A REPRESENTATIVE FROM TALMAN CONSULTANTS. A WALK THROUGH MUST BE SCHEDULED AND COMPLETED PRIOR TO ANY WORK TAKING PLACE WITHIN THE LIMITS OF THIS PROJECT.

GENERAL NOTES:

- WORK WILL NOT BE STARTED PRIOR TO PERMIT ACQUISITION. ANY INFORMATION REQUIRED BY THE CHICAGO DEPARTMENT OF TRANSPORTATION SHALL BE PROVIDED BY THE CONTRACTOR TO SECURE ALL PERMITS.
- COPIES OF THE PLANS WILL BE SENT TO THE CHICAGO DEPARTMENT OF TRANSPORTATION AT 30 NORTH LASALLE STREET, SUITE 310, CHICAGO, IL 60602 FOR COMMENTS AND EVALUATION. ANY UTILITY CONFLICTS WITHIN THE OFFICE OF UNDERGROUND COORDINATION SHALL BE RESOLVED PRIOR TO OBTAINING PERMITS.
- EXISTING RIGHT-OF-WAY SHALL BE VERIFIED TO ENSURE THAT NO WORK WILL TAKE PLACE WITHIN PRIVATE PROPERTY. ALL WORK WITHIN PRIVATE PROPERTY MUST BE FORMALLY APPROVED BY THE LAND OWNER.
- THESE DRAWINGS SHALL NOT BE SCALED AND SHALL BE TAKEN FOR GENERAL INFORMATION ONLY. THE SCALE SHOWN ON THE SHEETS IS FOR THE ORIGINAL DOCUMENT SIZE ONLY.
- THE LATEST EDITION OF CDOT RULES AND REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY SHALL GOVERN THE REQUIREMENTS OF THE CONTRACTOR AND ALL WORK SHALL BE COORDINATED WITH OTHER PROJECTS IN THE AREA PRIOR TO AND DURING THE PROPOSED INSTALLATION.
- CONTRACTOR SHALL COORDINATE PROPOSED WORK WITH ALL PRIVATE AND PUBLIC UTILITIES AS WELL AS STATE AND CITY AGENCIES.
- IN THE CASE WHERE EXISTING FIELD CONDITIONS DIFFER FROM THE APPROVED PLANS AND THE ATTACHMENT METHOD CANNOT BE ACHIEVED AS PERMITTED, THE CONTRACTOR SHALL NOTIFY CDOT-DIVISION OF ENGINEERING, WILLIAM MCINTYRE, 312-744-4189, TO DISCUSS AN ALTERNATIVE PLAN.

WORK:

- EQUIPMENT AND MATERIALS CANNOT BE STORED IN THE PUBLIC ROADWAY UNLESS A PERMIT IS OBTAINED FROM CDOT.
- THE CONTRACTOR SHALL SAW CUT AND MARK THE PROPOSED UTILITY DIMENSIONS ON THE SURFACE PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL EXCAVATE 3 ADDITIONAL INCHES AROUND THE PROPOSED STRUCTURES AND UTILITIES.
- WHEN FINAL BASE ELEVATION IS ACHIEVED, THE CONTRACTOR SHALL INSTALL A 6" CONCRETE MUDSLAB AT THE BASE OF THE EXCAVATION ON THE SAME DAY UNLESS AN ALTERNATIVE DESIGN HAS BEEN PROVIDED BY A LICENSED, STRUCTURAL ENGINEER.
- ALL EXCAVATIONS SHALL BE THOROUGHLY INSPECTED BY THE CONTRACTOR PRIOR TO PLACING PROPOSED UTILITIES. ALL EXISTING AND NEWLY INSTALLED UTILITIES SHALL BE INSPECTED PRIOR TO SHORING OR BACKFILLING THE EXCAVATED AREA.
- THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AND REVIEWING ANY SHORING SYSTEMS BEFORE CONSTRUCTION.
- THE CONTRACTOR IS TO ASSUME THAT ALL EXISTING CABLES ARE ENERGIZED AND SHALL BE SUPPORTED IN A WAY THAT NO PART OF THE CABLE IS STRESSED.
- IF NECESSARY, THE CONTRACTOR IS TO PROVIDE ENGINEERED DE-WATERING MEASURES TO ENSURE THAT THE GROUNDWATER TABLE REMAINS AT AN ELEVATION BELOW THE EXCAVATION BASE AS WELL AS DURING BACKFILLING OPERATIONS AND REPAIR WORK.
- TALMAN CONSULTANTS SHALL BE NOTIFIED WHEN NEWLY INSTALLED DUCT PACKAGE DEPTH BELOW THE SURFACE IS GREATER THAN THAT SHOWN IN THE PROFILE DRAWING.
- TALMAN CONSULTANTS SHALL BE NOTIFIED WHEN THE CONTRACTOR IS UNABLE TO OBTAIN THE NECESSARY VERTICAL OR HORIZONTAL CLEARANCE FROM EXISTING UTILITIES, SO THAT THE APPROPRIATE OWNER'S REPRESENTATIVE CAN BE NOTIFIED AND A VARIANCE CAN BE REQUESTED.

SAFETY:

- ALL NECESSARY SAFETY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT UTILITIES, WORKERS, PEDESTRIANS, AND VEHICULAR TRAFFIC. PROTECTION SUCH AS TEMPORARY FENCES AND BARRICADES SHALL BE PROVIDED BY THE CONTRACTOR TO PROTECT THE PUBLIC AND PROPERTY DURING ALL PHASES OF CONSTRUCTION.
- UNFINISHED SURFACE AND OPEN TRENCH LOCATIONS SHALL BE PROTECTED BY DEVICES SUCH AS SIGNAGE, WARNING LIGHTS, TEMPORARY BARRICADES, STEEL PLATES, AND OTHER PROTECTIVE EQUIPMENT 24 HOURS A DAY UNTIL SURFACE IS RESTORED.

SAFETY: (CONTINUATION)

- AS NOTED IN THE TRAFFIC PLANS, ENTRANCES TO BUILDINGS, CROSSWALKS, AND GARAGES ARE TO BE MAINTAINED BY THE CONTRACTOR WITH THE USE OF WOODEN ADA RAMPS WHERE NECESSARY. THE GENERAL PUBLIC SHALL BE DIVERTED AWAY FROM THE CONSTRUCTION WORK AREA USING WOODEN PASSAGEWAYS WHERE NECESSARY, INSTALLED AND DESIGNED BY THE CONTRACTOR.

EXISTING UTILITIES:

- THE CONTRACTOR SHALL CONTACT THE CITY OF CHICAGO - DEPARTMENT OF SEWERS AT 312-747-7047 AT LEAST 2 WORKING DAYS PRIOR TO CONSTRUCTION TO PROVIDE THE NAME AND NUMBER OF THE PROJECT SUPERINTENDENT IN CASE OF A SEWER EMERGENCY.
- EXISTING CONDITIONS, UTILITIES, AND STRUCTURES SHOWN IN THE PLAN SET ARE BASED ON UTILITY ATLASES AND DRAWINGS BY THE UTILITY COMPANIES AND ARE ASSUMED TO BE CORRECT AND ACCURATE. A SURVEY SHALL BE PERFORMED BY THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND STRUCTURES IN THE WORK AREA PRIOR TO THE START OF ANY WORK.
- TEST HOLES SHALL BE PERFORMED BY THE CONTRACTOR TO VERIFY THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES WHERE NECESSARY. OVERHEAD OBSTRUCTION LOCATIONS SHALL ALSO BE VERIFIED PRIOR TO WORK COMMENCING.
- CONTRACTOR SHALL CALL CHICAGO 811 (DIGGER) AT 312-744-7000 OR 811 (FROM A LAND LINE LOCATED WITHIN THE CITY LIMITS) A MINIMUM OF 48 HOURS PRIOR TO ANY PENETRATION AND/OR EXCAVATION IN THE PUBLIC WAY, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS. IF THE WORK BEING CONDUCTED BORDERS AN ADJACENT MUNICIPALITY OR STATE, THE CONTRACTOR IS ALSO REQUIRED TO CONTACT JULIE (AT 811 OR 800-892-0123 IN ILLINOIS, OR 800-382-5544 IN INDIANA). ALL EXCAVATION AREAS ARE TO BE CLEARLY MARKED IN SAFETY WHITE PAINT PRIOR TO CALLING CHICAGO 811 WHEN APPLICABLE. WHITE PAINT IS NOT REQUIRED FOR JOINT MEETS OR EMERGENCY WORK.
- EXCAVATION WORK NEAR EXISTING UTILITIES AND STRUCTURES SHALL BE DONE BY HAND.
- ALL MAJOR DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE PLAN SET SHALL BE BROUGHT TO THE ATTENTION OF TALMAN CONSULTANTS BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- AS INSTALLATION PROGRESSES, THE CONTRACTOR SHALL PREPARE RED-LINE DRAWINGS THAT SHOW THE LOCATION AND ELEVATION OF THE PROPOSED INSTALLATION AND ALL EXISTING UTILITIES ENCOUNTERED. UPON COMPLETING THE WORK, THESE RED-LINES SHALL BE SENT TO TALMAN CONSULTANTS.
- A MINIMUM DISTANCE OF THE INNER DIAMETER OF SEWER (ID) PLUS FOUR (4) FEET MUST BE MAINTAINED BETWEEN THE EXISTING SEWER AND NEW UTILITY CENTER LINES. IF THE UTILITY'S CONDUIT IS PLASTIC/HDPE AND IS 6 INCHES IN DIAMETER AND SMALLER, CLEARANCE MAY BE I.D. PLUS THREE (3) FEET. IF THE OUTSIDE DIAMETER/WIDTH OF UTILITY CONDUIT IS MORE THE SEWER O.D., A MINIMUM OF FOUR (4) FEET HORIZONTAL CLEARANCE MUST BE OBTAINED FROM THE OUTSIDE FACE TO OUTSIDE FACE. THE MINIMUM DESIRED VERTICAL CLEARANCE FROM CROSSING IS (18) INCHES. IF EITHER HORIZONTAL OR VERTICAL REQUIREMENTS ARE NOT MET, THE SEWER MUST BE REHABILITATED WITH AN APPROPRIATE LINER (MH TO MH) OR REPLACED WITH DIP, UNLESS PRIOR APPROVAL IS ALLOWED BY THE DWM TO EVALUATE THE SEWER (VIA TELEVISION) BEFORE AND AFTER CONSTRUCTION. DIRECTIONAL BORE OF 6" INCHES IN DIAMETER AND SMALLER MY CROSS UNDER A SEWER WITH MINIMUM OF (2) TWO FEET OF VERTICAL CLEARANCE. OPEN CUT INSTALLATIONS BELOW A SEWER ARE NOT ALLOWED. DAMAGED SEWER FACILITIES MUST BE REPORTED TO THE SEWER UNIT OF THE DWM EVALUATION SECTION IMMEDIATELY AT 312-747-4680.
- A SEWER INSPECTOR IS REQUIRED TO BE PRESENT WHERE WORK ON A SEWER IS BEING PERFORMED. IF THERE IS INTERFERENCE WITH A SEWER DRAIN FROM A HOME, THE SEWER SERVICE SHALL BE REPLACED IN KIND.
- COMED SHALL BE NOTIFIED BY THE CONTRACTOR WHEN STEEL PIPE CONDUCTOR IS DAMAGED DURING AN EXCAVATION AND COMED WILL EVALUATE THE DAMAGE TO DETERMINE IF REPAIR IS NECESSARY PRIOR TO RESTORATION.
- BENCHMARKS ARE REFERENCED TO THE CHICAGO CITY DATUM = 0.00 (CCD = 579.88 FEET ABOVE MEAN TIDE NEW YORK)
- LOCATIONS OF EXISTING UTILITIES SHOWN IN DRAWINGS ARE APPROXIMATE AND MAY NOT ACCURATELY REPRESENT THE EXISTING FIELD CONDITIONS.
- CHICAGO 811 UTILITY LOCATES SHOULD NOT BE CALLED IN MORE THAN 14 DAYS IN ADVANCE OF THE START OF EXCAVATION OR DEMOLITION, UNLESS THE EXCAVATION DATE WAS PROVIDED WITH THE APPLICATION OR ON THE ISSUED PERMIT, AND REMAINS UNCHANGED. PRIOR TO THE TWENTY-SIXTH CALENDAR DAY OF THE INITIAL 811 CALL, THE CONTRACTOR MUST NOTIFY CHICAGO 811 TO RENEW AND REFRESH UTILITY LOCATES.

RESTORATION:

- CONTRACTOR TO OBTAIN ALL PERMITS AND PAY ALL FEES FOR RESTORATION.
- CONTRACTOR SHALL BREAK OUT PAVEMENT, SIDEWALK, DRIVEWAY, PARKWAY, CURB AND GUTTER, AND RESTORE ACCORDING TO THE LATEST EDITION OF CDOT RULES AND REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY.
- ROADWAYS AFFECTED BY THE EXCAVATION SHALL BE RESTORED ACCORDING TO THE LATEST EDITION OF CDOT RULES AND REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY. REPLACEMENT OF EXCAVATED SURFACE AND SURROUNDING AREA SHALL BE DETERMINED BY CDOT.
- RESTORATION OF THE AREA AROUND THE PROPOSED INSTALLATION INCLUDES BUT IS NOT LIMITED TO: CONCRETE, BLACK DIRT, SOD, SHRUBS, TREES, BACKFILL, ASPHALT PRIMER, STREET CONCRETE BASE, HOT ROLLED ASPHALT, DRIVEWAY, SIDEWALK, CURB AND GUTTER, ADA RAMPS, AND REINSTALLATION OF SIGNS, TRAFFIC SIGNALS, MAILBOXES, METERS, CITY LIGHTS, TRAFFIC SIGNAL BOXES, BENCHES, CANOPIES, AND PLANTERS.
- A PERMIT SHALL BE OBTAINED BY THE CONTRACTOR TO PAVE THE STREET AND/OR SIDEWALK IN THE CONTRACTOR'S NAME. PAVING SHALL BE COMPLETED BY THE CONTRACTOR WITHIN THE TIMEFRAME ACCORDING TO THE LATEST EDITION OF CDOT RULES AND REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY UNLESS OTHERWISE DIRECTED BY CDOT.
- ALL DAMAGED UTILITIES AND STRUCTURES ARE TO BE RESTORED BY THE CONTRACTOR TO THE SATISFACTION OF THE CORRESPONDING OWNER'S REPRESENTATIVE.

MATERIALS:

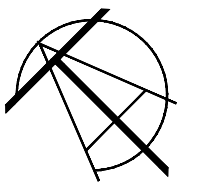
- ALL INSTALLED MATERIALS WITHIN THE PROJECT AREA SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) AND THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION.
- TRENCHING - CONDUIT, COUPLINGS, AND ELBOWS SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED IN THE PLAN SET.
- BORING - CONDUIT SHALL BE HDPE SDR-11 UNLESS NOTED OTHERWISE IN THE PLAN SET.
- CONSTRUCTION MATERIALS ARE TO BE STORED ACCORDING TO THE LATEST EDITION OF CDOT RULES AND REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY.

OWNER

DEVELOPER



ENGINEER



TALMAN CONSULTANTS
LICENSE NO. 184.007393-0002

CONTRACTOR

NOTES

SHEET TITLE

GENERAL NOTES

FILE NAME/SEGMENT ID

CTF_UG_100

JOB TITLE

FIBER OPTIC CONDUIT INSTALLATION N. CUMBERLAND AVE. & W. BELMONT AVE. JURISDICTION: CHICAGO, ILLINOIS

PROJECT MANAGER

KEVIN P. BERRY

CREATED RR	CHECKED SFN	APPROVED KPB
DATE CREATED 04/27/23	PAPER SIZE 22" X 34"	SCALE N.T.S.

PROJECT NUMBER CTF-22-1000	OCU NUMBER EFP-122516
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REVISIONS			
REV.	DATE	DESCRIPTION	BY
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10	09/19/23	PER FOREST PRESERVE	BG

SHEET: 3 OF 26

REV: 02/07/19

ALL PROPOSED WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE ENSUING NON-INCLUSIVE CONDITIONS:

RIVER GROVE GENERAL NOTES:

CONSTRUCTION METHODS:

STANDARDS AND REQUIREMENTS FOR PARTICULAR TYPES OF CONSTRUCTION METHODS:

1. BORING OR JACKING:

- PITS AND SHORING: BORING OR JACKING UNDER RIGHTS OF WAY SHALL BE ACCOMPLISHED FROM PITS LOCATED AT A MINIMUM DISTANCE SPECIFIED BY THE VILLAGE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS FROM THE EDGE OF THE PAVEMENT. PITS FOR BORING OR JACKING SHALL BE EXCAVATED NO MORE THAN FORTY EIGHT (48) HOURS IN ADVANCE OF BORING OR JACKING OPERATIONS AND BACKFILLED WITHIN FORTY EIGHT (48) HOURS AFTER BORING OR JACKING OPERATIONS ARE COMPLETED. WHILE PITS ARE OPEN, THEY SHALL BE CLEARLY MARKED AND PROTECTED BY BARRICADES. SHORING SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED SO THAT IT WILL SAFELY SUPPORT ALL VERTICAL AND LATERAL LOADS THAT MAY BE IMPOSED UPON IT DURING THE BORING OR JACKING OPERATION.
- WET BORING OR JETTING: WET BORING OR JETTING SHALL NOT BE PERMITTED UNDER THE ROADWAY.
- BORINGS WITH DIAMETERS GREATER THAN SIX INCHES: BORINGS OVER SIX INCHES (6") (0.15M) IN DIAMETER SHALL BE ACCOMPLISHED WITH AN AUGER AND FOLLOWING PIPE, AND THE DIAMETER OF THE AUGER SHALL NOT EXCEED THE OUTSIDE DIAMETER OF THE FOLLOWING PIPE BY MORE THAN ONE INCH (1") (25MM).
- BORINGS WITH DIAMETERS SIX INCHES OR LESS: BORINGS OF SIX INCHES (6") OR LESS IN DIAMETER MAY BE ACCOMPLISHED BY EITHER JACKING, GUIDED WITH AUGER, OR AUGER AND FOLLOWING PIPE METHOD.
- TREE PRESERVATION: ANY FACILITY LOCATED WITHIN THE DRIP LINE OF ANY TREE DESIGNATED BY THE VILLAGE TO BE PRESERVED OR PROTECTED SHALL BE BORED UNDER OR AROUND THE ROOT SYSTEM.

2. TRENCHING: TRENCHING FOR FACILITY INSTALLATION, REPAIR, OR MAINTENANCE ON RIGHTS OF WAY SHALL BE DONE IN ACCORD WITH THE APPLICABLE PORTIONS OF SECTION 603 OF IDOT'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

- LENGTH: THE LENGTH OF OPEN TRENCH SHALL BE KEPT TO THE PRACTICABLE MINIMUM CONSISTENT WITH REQUIREMENTS FOR PIPE/LINE TESTING. ONLY ONE-HALF (1/2) OF ANY INTERSECTION MAY HAVE AN OPEN TRENCH AT ANY TIME UNLESS SPECIAL PERMISSION IS OBTAINED FROM THE VILLAGE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS.
- OPEN TRENCH AND EXCAVATED MATERIAL: OPEN TRENCH AND WINDOWED EXCAVATED MATERIAL SHALL BE PROTECTED AS REQUIRED BY CHAPTER 6 OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". WHERE PRACTICABLE, THE EXCAVATED MATERIAL SHALL BE DEPOSITED BETWEEN THE ROADWAY AND THE TRENCH AS ADDED PROTECTION. EXCAVATED MATERIAL SHALL NOT BE ALLOWED TO REMAIN ON THE PAVED PORTION OF THE ROADWAY. WHERE RIGHT OF WAY WIDTH DOES NOT ALLOW FOR WINDOWING EXCAVATED MATERIAL OFF THE PAVED PORTION OF THE ROADWAY, EXCAVATED MATERIAL SHALL BE HAULED TO AN OFF ROAD LOCATION.
- DRIP LINE OF TREES: THE UTILITY SHALL NOT TRENCH WITHIN THE DRIP LINE OF ANY TREE DESIGNATED BY THE VILLAGE TO BE PRESERVED.

3. BACKFILLING:

- ANY PIT, TRENCH, OR EXCAVATION CREATED DURING THE INSTALLATION OF FACILITIES SHALL BE BACKFILLED FOR ITS FULL WIDTH, DEPTH, AND LENGTH USING METHODS AND MATERIALS IN ACCORDANCE WITH IDOT'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". WHEN EXCAVATED MATERIAL IS HAULED AWAY OR IS UNSUITABLE FOR BACKFILL, SUITABLE GRANULAR BACKFILL SHALL BE USED.
- FOR A PERIOD OF THREE (3) YEARS FROM THE DATE CONSTRUCTION OF A FACILITY IS COMPLETED, THE UTILITY SHALL BE RESPONSIBLE TO REMOVE AND RESTORE ANY BACKFILLED AREA THAT HAS SETTLED DUE TO CONSTRUCTION OF THE FACILITY. IF SO ORDERED BY THE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS, THE UTILITY, AT ITS EXPENSE, SHALL REMOVE ANY PAVEMENT AND BACKFILL MATERIAL TO THE TOP OF THE INSTALLED FACILITY, PLACE AND PROPERLY COMPACT NEW BACKFILL MATERIAL, AND RESTORE NEW PAVEMENT, SIDEWALK, CURBS, AND DRIVEWAYS TO THE PROPER GRADES, AS DETERMINED BY THE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS.

4. PAVEMENT CUTS: PAVEMENT CUTS FOR FACILITY INSTALLATION OR REPAIR SHALL BE PERMITTED ON A HIGHWAY ONLY IF THAT PORTION OF THE HIGHWAY IS CLOSED TO TRAFFIC. IF A VARIANCE TO THE LIMITATION SET FORTH IN THIS SUBSECTION (A)4 IS PERMITTED UNDER SECTION 3-7-21 OF THIS CHAPTER, THE FOLLOWING REQUIREMENTS SHALL APPLY:

- ANY EXCAVATION UNDER PAVEMENTS SHALL BE BACKFILLED AND COMPACTED AS SOON AS PRACTICABLE WITH GRANULAR MATERIAL OF CA-6 OR CA-10 GRADATION, AS DESIGNATED BY THE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS.
- RESTORATION OF PAVEMENT, IN KIND, SHALL BE ACCOMPLISHED AS SOON AS PRACTICABLE, AND TEMPORARY REPAIR WITH BITUMINOUS MIXTURE SHALL BE PROVIDED IMMEDIATELY. ANY SUBSEQUENT FAILURE OF EITHER THE TEMPORARY REPAIR OR THE RESTORATION SHALL BE REBUILT UPON NOTIFICATION BY THE VILLAGE.
- ALL SAW CUTS SHALL BE FULL DEPTH.
- FOR ALL RIGHTS OF WAY WHICH HAVE BEEN RECONSTRUCTED WITH A CONCRETE SURFACE/BASE IN THE LAST SEVEN (7) YEARS, OR RESURFACED IN THE LAST THREE (3) YEARS, PERMITS SHALL NOT BE ISSUED UNLESS SUCH WORK IS DETERMINED TO BE AN EMERGENCY REPAIR OR OTHER WORK CONSIDERED NECESSARY AND UNFORESEEN BEFORE THE TIME OF THE RECONSTRUCTION OR UNLESS A PAVEMENT CUT IS NECESSARY FOR A JULIE LOCATE.

5. ENCASEMENT:

- CASING PIPE SHALL BE DESIGNED TO WITHSTAND THE LOAD OF THE HIGHWAY AND ANY OTHER SUPERIMPOSED LOADS. THE CASING SHALL BE CONTINUOUS EITHER BY ONE PIECE FABRICATION OR BY WELDING OR JOINTED INSTALLATION APPROVED BY THE VILLAGE.
- THE VENTING, IF ANY, OF ANY ENCASEMENT SHALL EXTEND WITHIN ONE FOOT (1') (0.3M) OF THE RIGHT OF WAY LINE. NO ABOVEGROUND VENT PIPES SHALL BE LOCATED IN THE AREA ESTABLISHED AS CLEAR ZONE FOR THAT PARTICULAR SECTION OF THE HIGHWAY.
- IN THE CASE OF WATER MAIN OR SERVICE CROSSING, ENCASEMENT SHALL BE FURNISHED BETWEEN BORE PITS UNLESS CONTINUOUS PIPE OR VILLAGE APPROVED JOINTED PIPE IS USED UNDER THE ROADWAY. CASING MAY BE OMITTED ONLY IF PIPE IS INSTALLED PRIOR TO HIGHWAY CONSTRUCTION AND CARRIER PIPE IS CONTINUOUS OR MECHANICAL JOINTS ARE OF A TYPE APPROVED BY THE VILLAGE. BELL AND SPIGOT TYPE PIPE SHALL BE ENCASED REGARDLESS OF INSTALLATION METHOD.
- IN THE CASE OF GAS PIPELINES OF SIXTY (60) PSIG OR LESS, ENCASEMENT MAY BE ELIMINATED.
- IN THE CASE OF GAS PIPELINES OR PETROLEUM PRODUCTS PIPELINES WITH INSTALLATIONS OF MORE THAN SIXTY (60) PSIG, ENCASEMENT MAY BE ELIMINATED ONLY IF: 1) EXTRA HEAVY PIPE IS USED THAT PRECLUDES FUTURE MAINTENANCE OR REPAIR AND 2) CATHODIC PROTECTION OF THE PIPE IS PROVIDED.
- IF ENCASEMENT IS ELIMINATED FOR A GAS OR PETROLEUM PRODUCTS PIPELINE, THE FACILITY SHALL BE LOCATED SO AS TO PROVIDE THAT CONSTRUCTION DOES NOT DISRUPT THE RIGHT OF WAY.

STANDARDS AND REQUIREMENTS FOR PARTICULAR TYPES OF FACILITIES:

1. ELECTRIC POWER OR COMMUNICATION LINES:

- CODE COMPLIANCE: ELECTRIC POWER OR COMMUNICATIONS FACILITIES WITHIN VILLAGE RIGHTS OF WAY SHALL BE CONSTRUCTED, OPERATED, AND MAINTAINED IN CONFORMITY WITH THE PROVISIONS OF 83 ILLINOIS ADMINISTRATIVE CODE PART 305 (FORMERLY GENERAL ORDER 160 OF THE ILLINOIS COMMERCE COMMISSION) ENTITLED "RULES FOR CONSTRUCTION OF ELECTRIC POWER AND COMMUNICATION LINES", AND THE NATIONAL ELECTRICAL SAFETY CODE.
- OVERHEAD FACILITIES: OVERHEAD POWER OR COMMUNICATION FACILITIES SHALL USE SINGLE POLE CONSTRUCTION AND, WHERE PRACTICABLE, JOINT USE OF POLES SHALL BE USED. UTILITIES SHALL MAKE EVERY REASONABLE EFFORT TO DESIGN THE INSTALLATION SO GUY'S AND BRACES WILL NOT BE NEEDED. VARIANCES MAY BE ALLOWED IF THERE IS NO FEASIBLE ALTERNATIVE AND IF GUYWIRES ARE EQUIPPED WITH GUY GUARDS FOR MAXIMUM VISIBILITY.

UNDERGROUND FACILITIES:

- CABLE MAY BE INSTALLED BY TRENCHING OR PLOWING, PROVIDED THAT SPECIAL CONSIDERATION IS GIVEN TO BORING IN ORDER TO MINIMIZE DAMAGE WHEN CROSSING IMPROVED ENTRANCES AND SIDE ROADS.
 - IF A CROSSING IS INSTALLED BY BORING OR JACKING, ENCASEMENT SHALL BE PROVIDED BETWEEN JACKING OR BORE PITS. ENCASEMENT MAY BE ELIMINATED ONLY IF: A) THE CROSSING IS INSTALLED BY THE USE OF "MOLES", "WHIP AUGERS", OR OTHER APPROVED METHOD WHICH COMPRESS THE EARTH TO MAKE THE OPENING FOR CABLE INSTALLATION OR B) THE INSTALLATION IS BY THE OPEN TRENCH METHOD WHICH IS ONLY PERMITTED PRIOR TO ROADWAY CONSTRUCTION.
 - CABLE SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL SAFETY CODE.
- BURIAL OF DROPS: ALL TEMPORARY SERVICE DROPS PLACED BETWEEN NOVEMBER 1 OF THE PRIOR YEAR AND MARCH 15 OF THE CURRENT YEAR, ALSO KNOWN AS SNOWDROPS, SHALL BE BURIED BY MAY 31 OF THE CURRENT YEAR, WEATHER PERMITTING, UNLESS OTHERWISE PERMITTED BY THE VILLAGE. WEATHER PERMITTING, UTILITIES SHALL BURY ALL TEMPORARY DROPS, EXCLUDING SNOWDROPS, WITHIN TEN (10) BUSINESS DAYS AFTER PLACEMENT.**

2. GAS TRANSMISSION, DISTRIBUTION AND SERVICE: GAS PIPELINES WITHIN RIGHTS OF WAY SHALL BE CONSTRUCTED, MAINTAINED, AND OPERATED IN A VILLAGE APPROVED MANNER AND IN CONFORMANCE WITH THE FEDERAL CODE OF THE OFFICE OF PIPELINE SAFETY OPERATIONS, DEPARTMENT OF TRANSPORTATION, PART 192 - TRANSPORTATION OF NATURAL AND OTHER GAS BY PIPELINE: MINIMUM FEDERAL SAFETY STANDARDS (49 CFR SECTION 192), IDOT'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND ALL OTHER APPLICABLE LAWS, RULES, AND REGULATIONS.

3. PETROLEUM PRODUCTS PIPELINES: PETROLEUM PRODUCTS PIPELINES WITHIN RIGHTS OF WAY SHALL CONFORM TO THE APPLICABLE SECTIONS OF ANSI STANDARD CODE FOR PRESSURE PIPING (LIQUID PETROLEUM TRANSPORTATION PIPING SYSTEMS ANSI-B 31.4).

4. WATER LINES, SANITARY SEWER LINES, STORMWATER SEWER LINES OR DRAINAGE LINES: WATER LINES, SANITARY SEWER LINES, STORM SEWER LINES, AND DRAINAGE LINES WITHIN RIGHTS OF WAY SHALL MEET OR EXCEED THE RECOMMENDATIONS OF THE CURRENT "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".

5. GROUND MOUNTED APPURTENANCES: GROUND MOUNTED APPURTENANCES TO OVERHEAD OR UNDERGROUND FACILITIES, WHEN PERMITTED WITHIN A RIGHT OF WAY, SHALL BE PROVIDED WITH A VEGETATION FREE AREA EXTENDING ONE FOOT (1') (305MM) IN WIDTH BEYOND THE APPURTENANCE IN ALL DIRECTIONS. THE VEGETATION FREE AREA MAY BE PROVIDED BY AN EXTENSION OF THE MOUNTING PAD, OR BY HEAVY DUTY PLASTIC OR SIMILAR MATERIAL APPROVED BY THE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS. WITH THE APPROVAL OF THE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS, SHRUBBERY SURROUNDING THE APPURTENANCE MAY BE USED IN PLACE OF VEGETATION FREE AREA. THE HOUSING FOR GROUND MOUNTED APPURTENANCES SHALL BE PAINTED A NEUTRAL COLOR TO BLEND WITH THE SURROUNDINGS.

CLEANUP AND RESTORATION:

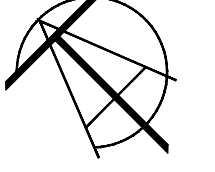
1. THE UTILITY SHALL REMOVE ALL EXCESS MATERIAL AND RESTORE ALL TURF AND TERRAIN AND OTHER PROPERTY WITHIN TEN (10) DAYS AFTER ANY PORTION OF THE RIGHTS OF WAY ARE DISTURBED, DAMAGED OR DESTROYED DUE TO CONSTRUCTION OR MAINTENANCE BY THE UTILITY. ALL TO THE SATISFACTION OF THE VILLAGE. THIS INCLUDES RESTORATION OF ENTRANCES AND SIDE ROADS. RESTORATION OF ROADWAY SURFACES SHALL BE MADE USING MATERIALS AND METHODS APPROVED BY THE VILLAGE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS. SUCH CLEANUP AND REPAIR MAY BE REQUIRED TO CONSIST OF BACKFILLING, REGRADING, RESEEDING, RESODDING, OR ANY OTHER REQUIREMENT TO RESTORE THE RIGHT OF WAY TO A CONDITION SUBSTANTIALLY EQUIVALENT TO THAT WHICH EXISTED PRIOR TO THE COMMENCEMENT OF THE PROJECT. THE TIME PERIOD PROVIDED IN THIS SECTION MAY BE EXTENDED BY THE VILLAGE ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS FOR GOOD CAUSE SHOWN. (ORD. 2011-27, 12-1-2011)

OWNER

DEVELOPER



ENGINEER



TALMAN CONSULTANTS
LICENSE NO. 184.007393-0002

CONTRACTOR

NOTES

SHEET TITLE

GENERAL NOTES

FILE NAME/SEGMENT ID

CTF_UG_100

JOB TITLE

FIBER OPTIC
CONDUIT INSTALLATION
N. CUMBERLAND AVE. &
W. BELMONT AVE.
JURISDICTION:
CHICAGO, ILLINOIS

PROJECT MANAGER

KEVIN P. BERRY

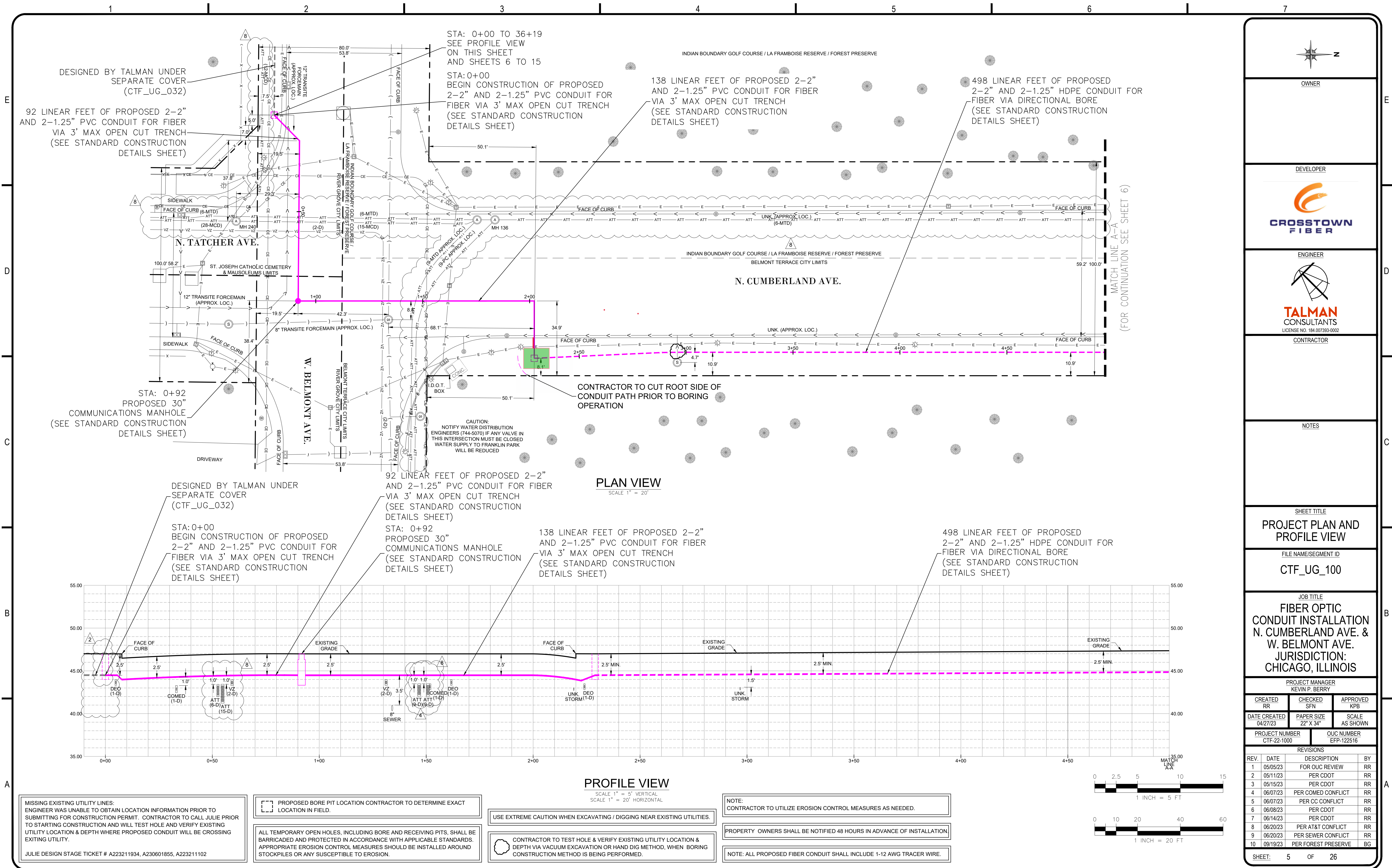
CREATED RR	CHECKED SFN	APPROVED KPB
DATE CREATED 04/27/23	PAPER SIZE 22" X 34"	SCALE N.T.S.

PROJECT NUMBER CTF-22-1000	OCU NUMBER EFP-122516
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SHEET: 4 OF 26

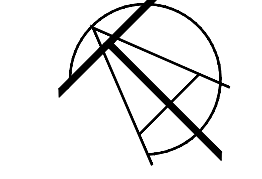


OWNER

DEVELOPER



ENGINEER



TALMAN CONSULTANTS
LICENSE NO. 184.007393-0002

CONTRACTOR

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SHEET TITLE

PROJECT PLAN AND PROFILE VIEW

FILE NAME/SEGMENT ID

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**FIBER OPTIC CONDUIT INSTALLATION
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JURISDICTION:
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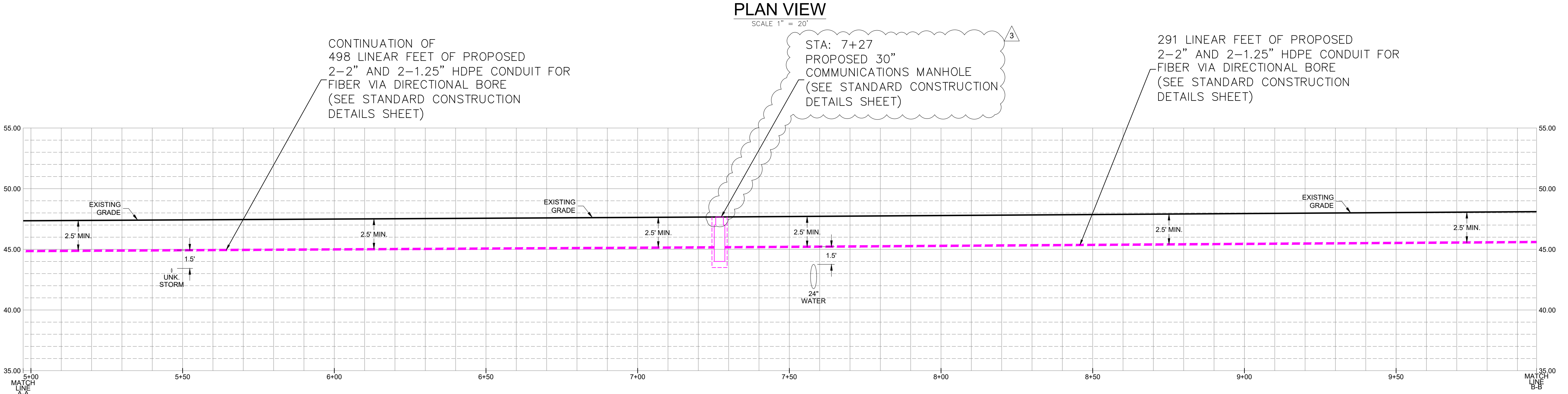
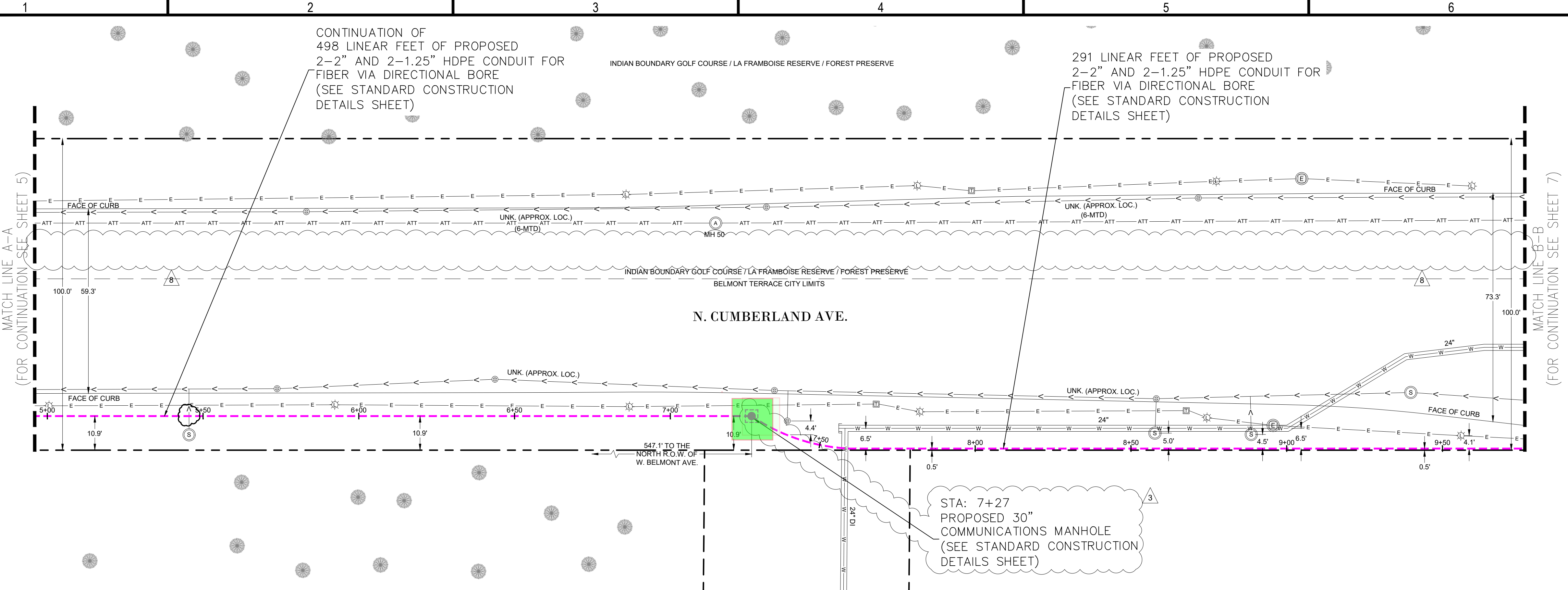
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SHEET: 5 OF 26



A REPRESENTATIVE OF THE DWM MUST BE PRESENT DURING THE EXCAVATION AND INSTALLATION CROSSING THE EXISTING 24 INCH FEEDER MAINS. IT IS REQUIRED THAT THE FORCE ACCOUNT CONSTRUCTION MANAGER BE CONTACTED AT FACM@CTRWATER.NET TWO WEEKS PRIOR TO THE ANTICIPATED CONSTRUCTION DATE SO A RESIDENT ENGINEER CAN BE ASSIGNED TO THE PROJECT. THE DWM REPRESENTATIVE WILL ADHERE TO THE SCHEDULE PROVIDED BY TALMAN CONSULTANTS, LLC, UNLESS NOTIFIED OTHERWISE.

HAND EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE 16-INCH AND 30-INCH FEEDER MAINS PRIOR TO CROSSING. IF A TRENCHLESS METHOD OF INSTALLATION IS USED, A MINIMUM 4-FOOT OF UNDISTURBED SOIL IS TO REMAIN ON EITHER SIDE OF THE EXISTING WATER MAIN. IF THE PROPOSED FACILITY WILL BE INSTALLED VIA OPEN-CUT METHOD, THE EXCAVATION MUST BE PROPERLY SHORED TO MAINTAIN A MAXIMUM 3-FOOT TRENCH WIDTH. THE TRENCH SHALL BE BACKFILLED TO THE SPRINGLINE OF THE WATER MAIN WITH CLSM BACKFILL (NON-FLY ASH), AND CA-16 FROM THE SPRINGLINE OF THE WATER MAIN TO GRADE. USE OF POLYETHYLENE WRAP AS A BOND BREAKER BETWEEN THE WATER MAIN AND THE CLSM BACKFILL IS REQUIRED. **FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT ALL WORK CONFORMS TO DWM'S STANDARDS.**

CONTRACTOR TO TEST HOLE & VERIFY EXISTING UTILITY LOCATION & DEPTH VIA VACUUM EXCAVATION OR HAND DIG METHOD, WHEN BORING CONSTRUCTION METHOD IS BEING PERFORMED.

ALL TEMPORARY OPEN HOLES, INCLUDING BORE AND RECEIVING PITS, SHALL BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS. APPROPRIATE EROSION CONTROL MEASURES SHOULD BE INSTALLED AROUND STOCKPILES OR ANY SUSCEPTIBLE TO EROSION.

MISSING EXISTING UTILITY LINES: ENGINEER WAS UNABLE TO OBTAIN LOCATION INFORMATION PRIOR TO SUBMITTING FOR CONSTRUCTION PERMIT. CONTRACTOR TO CALL JULIE PRIOR TO STARTING CONSTRUCTION AND WILL TEST HOLE AND VERIFY EXISTING UTILITY LOCATION & DEPTH WHERE PROPOSED CONDUIT WILL BE CROSSING EXISTING UTILITY.

JULIE DESIGN STAGE TICKET # A223211934, A230601855, A223211102

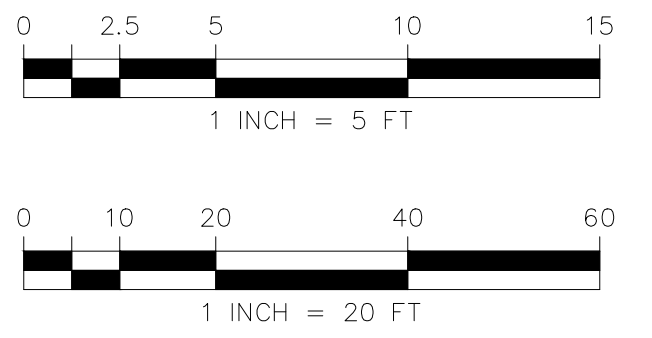
NOTE: CONTRACTOR TO UTILIZE EROSION CONTROL MEASURES AS NEEDED.

USE EXTREME CAUTION WHEN EXCAVATING / DIGGING NEAR EXISTING UTILITIES.

PROPERTY OWNERS SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF INSTALLATION.

NOTE: ALL PROPOSED FIBER CONDUIT SHALL INCLUDE 1-12 AWG TRACER WIRE.

PROPOSED BORE PIT LOCATION CONTRACTOR TO DETERMINE EXACT LOCATION IN FIELD.



N

OWNER

DEVELOPER

CROSTOWN FIBER

ENGINEER

TALMAN CONSULTANTS
LICENSE NO. 184.007393-0002

CONTRACTOR

NOTES

SHEET TITLE

PROJECT PLAN AND PROFILE VIEW

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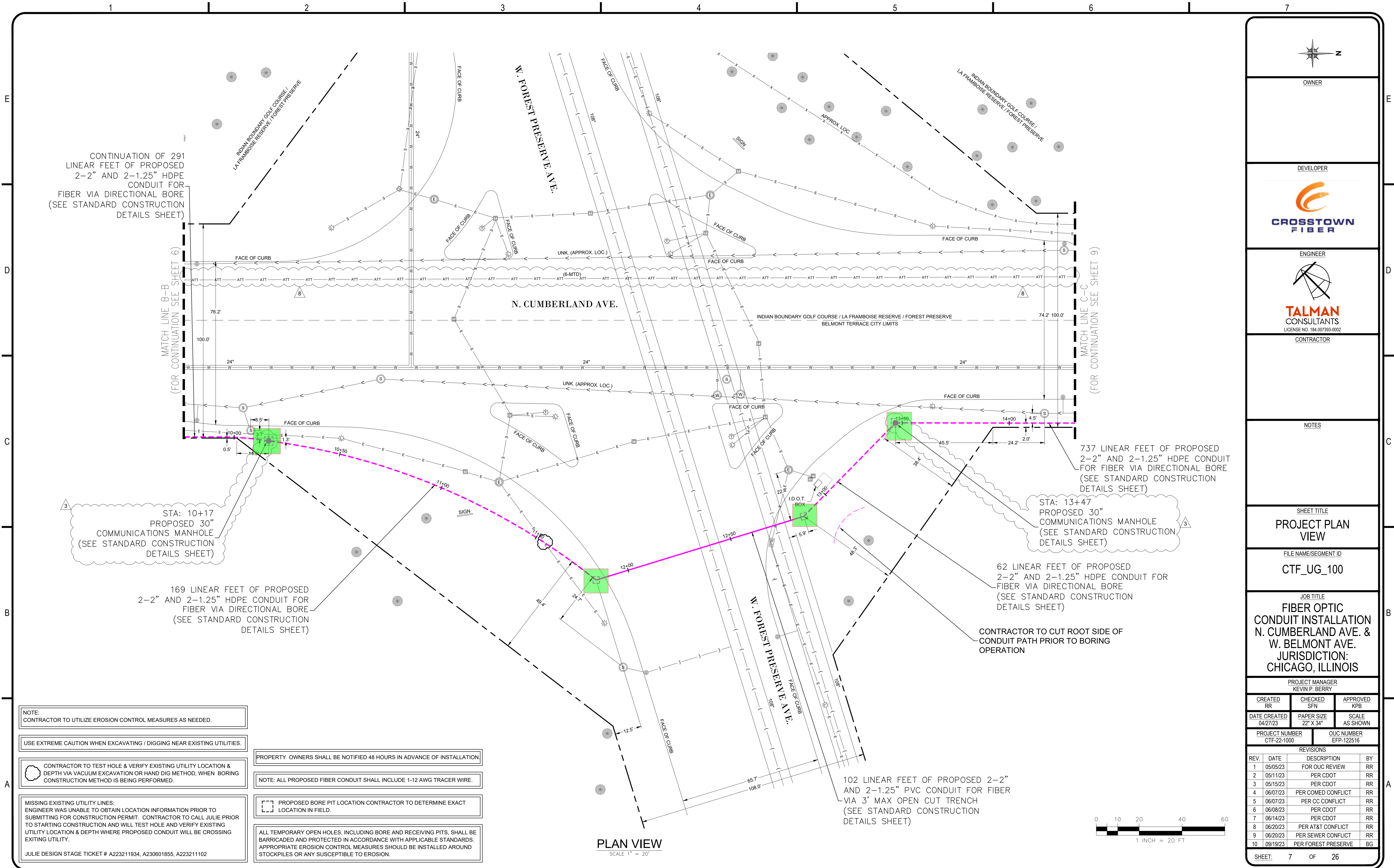
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PROJECT MANAGER
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SHEET: 6 OF 26



CONTINUATION OF 291 LINEAR FEET OF PROPOSED 2-2" AND 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

737 LINEAR FEET OF PROPOSED 2-2" AND 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

STA: 10+17 PROPOSED 30" COMMUNICATIONS MANHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

STA: 13+47 PROPOSED 30" COMMUNICATIONS MANHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

169 LINEAR FEET OF PROPOSED 2-2" AND 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

62 LINEAR FEET OF PROPOSED 2-2" AND 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

CONTRACTOR TO CUT ROOT SIDE OF CONDUIT PATH PRIOR TO BORING OPERATION

102 LINEAR FEET OF PROPOSED 2-2" AND 2-1.25" PVC CONDUIT FOR FIBER VIA 3' MAX OPEN CUT TRENCH (SEE STANDARD CONSTRUCTION DETAILS SHEET)

PLAN VIEW
SCALE 1" = 20'



NOTE: CONTRACTOR TO UTILIZE EROSION CONTROL MEASURES AS NEEDED.

USE EXTREME CAUTION WHEN EXCAVATING / DIGGING NEAR EXISTING UTILITIES.

CONTRACTOR TO TEST HOLE & VERIFY EXISTING UTILITY LOCATION & DEPTH VIA VACUUM EXCAVATION OR HAND DIG METHOD, WHEN BORING CONSTRUCTION METHOD IS BEING PERFORMED.

MISSING EXISTING UTILITY LINES: ENGINEER WAS UNABLE TO OBTAIN LOCATION INFORMATION PRIOR TO SUBMITTING FOR CONSTRUCTION PERMIT. CONTRACTOR TO CALL JULIE PRIOR TO STARTING CONSTRUCTION AND WILL TEST HOLE AND VERIFY EXISTING UTILITY LOCATION & DEPTH WHERE PROPOSED CONDUIT WILL BE CROSSING EXISTING UTILITY.

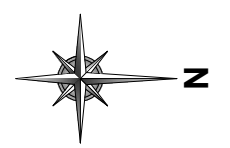
JULIE DESIGN STAGE TICKET # A223211934, A230601855, A223211102

PROPERTY OWNERS SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF INSTALLATION.

NOTE: ALL PROPOSED FIBER CONDUIT SHALL INCLUDE 1-12 AWG TRACER WIRE.

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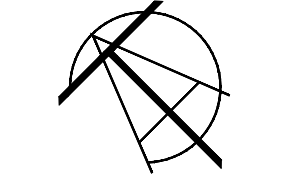


OWNER

DEVELOPER



ENGINEER



TALMAN CONSULTANTS
LICENSE NO. 184.007393-0002

CONTRACTOR

NOTES

SHEET TITLE
PROJECT PLAN VIEW

FILE NAME/SEGMENT ID
CTF_UG_100

JOB TITLE
FIBER OPTIC CONDUIT INSTALLATION
N. CUMBERLAND AVE. & W. BELMONT AVE.
JURISDICTION:
CHICAGO, ILLINOIS

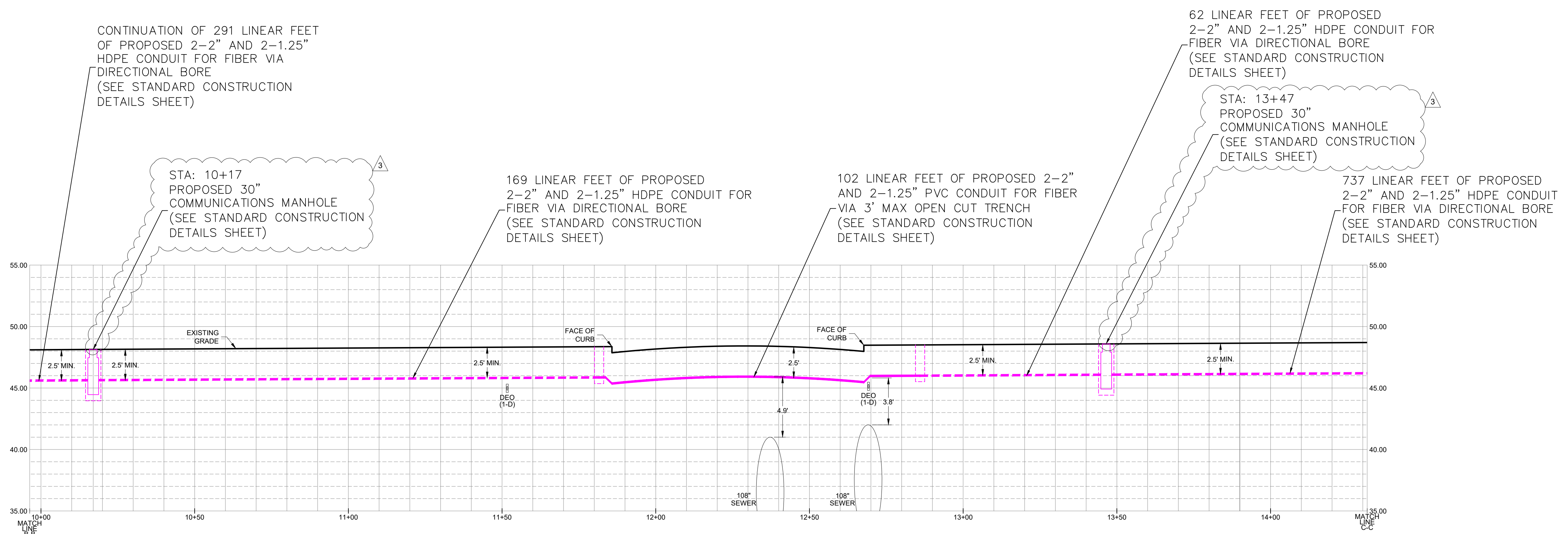
PROJECT MANAGER
KEVIN P. BERRY

CREATED RR	CHECKED SFN	APPROVED KPB
DATE CREATED 04/27/23	PAPER SIZE 22" X 34"	SCALE AS SHOWN

PROJECT NUMBER CTF-22-1000	OCU NUMBER EFP-122516
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9	06/20/23	PER SEWER CONFLICT	RR
10	09/19/23	PER FOREST PRESERVE	BG

SHEET: 7 OF 26



PROFILE VIEW
 SCALE 1" = 5' VERTICAL
 SCALE 1" = 20' HORIZONTAL

OWNER

DEVELOPER

ENGINEER

CONTRACTOR

NOTES

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PROJECT PROFILE VIEW

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PROJECT MANAGER
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SHEET: 8 OF 26

USE EXTREME CAUTION WHEN EXCAVATING / DIGGING NEAR EXISTING UTILITIES.

PROPERTY OWNERS SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF INSTALLATION.

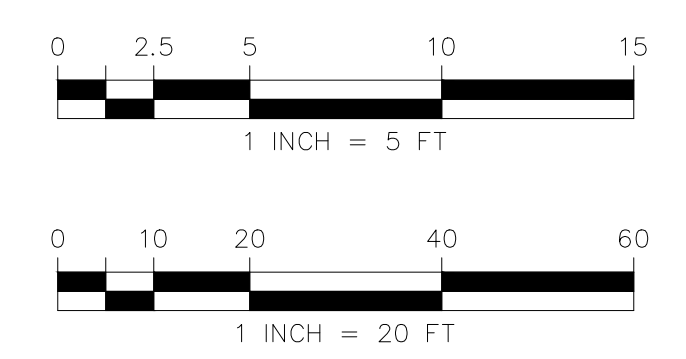
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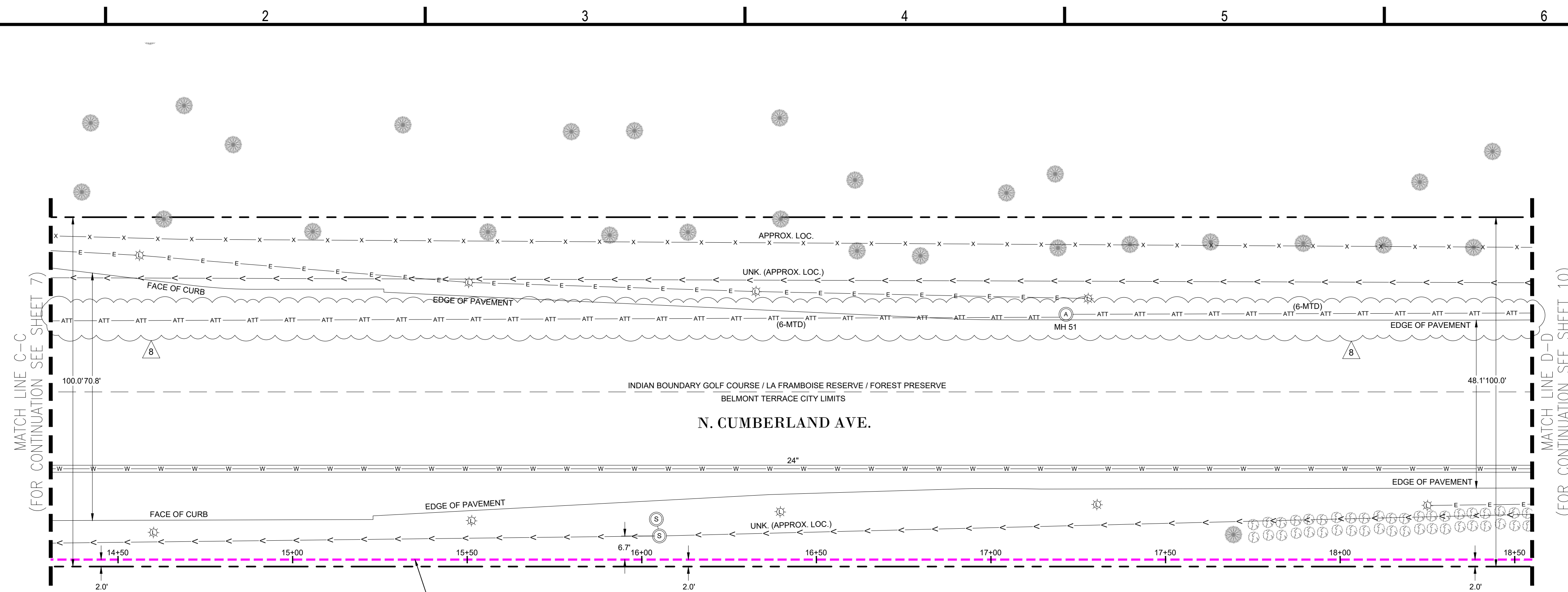
JULIE DESIGN STAGE TICKET # A223211934, A230601855, A223211102

NOTE: ALL PROPOSED FIBER CONDUIT SHALL INCLUDE 1-12 AWG TRACER WIRE.

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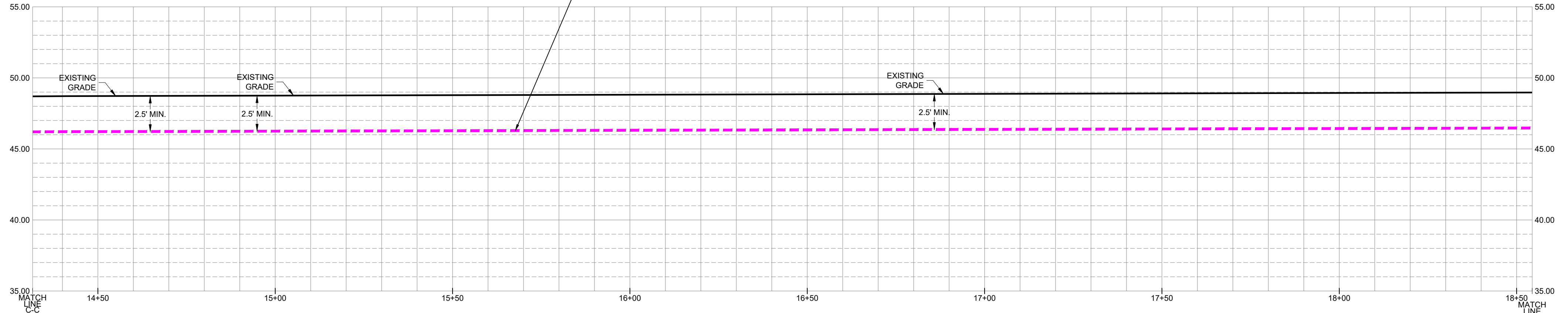




CONTINUATION OF 737 LINEAR FEET OF PROPOSED 2-2" AND 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

PLAN VIEW
SCALE 1" = 20'

CONTINUATION OF 737 LINEAR FEET OF PROPOSED 2-2" AND 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)



PROFILE VIEW
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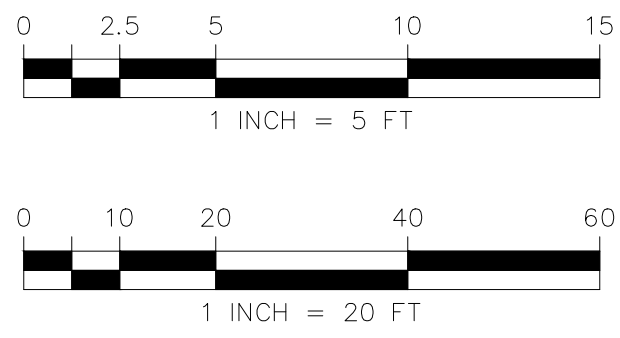
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CONTRACTOR TO TEST HOLE & VERIFY EXISTING UTILITY LOCATION & DEPTH VIA VACUUM EXCAVATION OR HAND DIG METHOD, WHEN BORING CONSTRUCTION METHOD IS BEING PERFORMED.

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OWNER

DEVELOPER

CROSSTOWN FIBER

ENGINEER

TALMAN CONSULTANTS
LICENSE NO. 194.007393-0002

CONTRACTOR

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SHEET TITLE

PROJECT PLAN AND PROFILE VIEW

FILE NAME/SEGMENT ID

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JOB TITLE

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N. CUMBERLAND AVE. &
W. BELMONT AVE.
JURISDICTION:
CHICAGO, ILLINOIS**

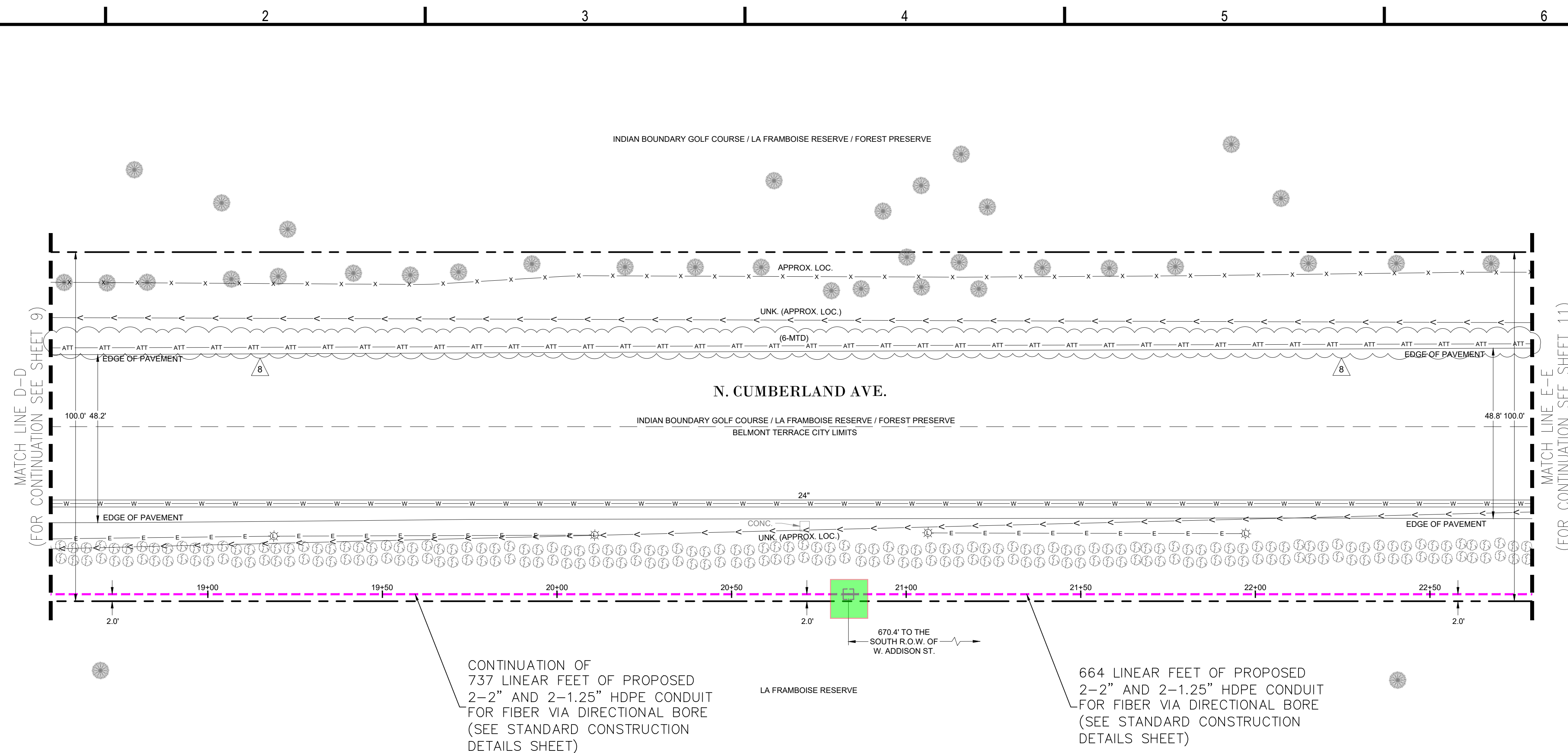
PROJECT MANAGER
KEVIN P. BERRY

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DATE CREATED 04/27/23	PAPER SIZE 22" X 34"	SCALE AS SHOWN

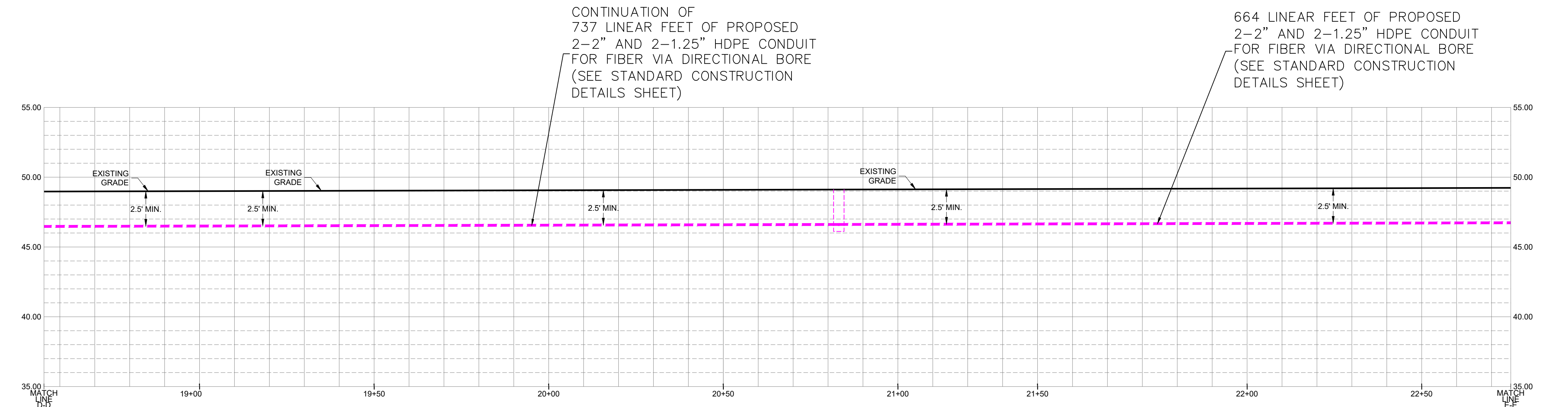
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SHEET: 9 OF 26



PLAN VIEW
SCALE 1" = 20'



PROFILE VIEW
SCALE 1" = 5' VERTICAL
SCALE 1" = 20' HORIZONTAL

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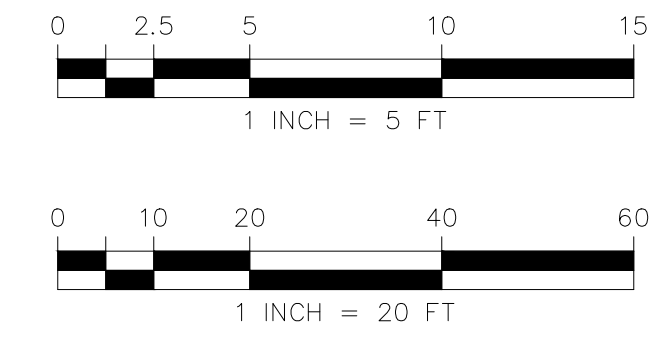
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OWNER

DEVELOPER

CROSTOWN FIBER

ENGINEER

TALMAN CONSULTANTS
LICENSE NO. 194.007393-0002

CONTRACTOR

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PROJECT PLAN AND PROFILE VIEW

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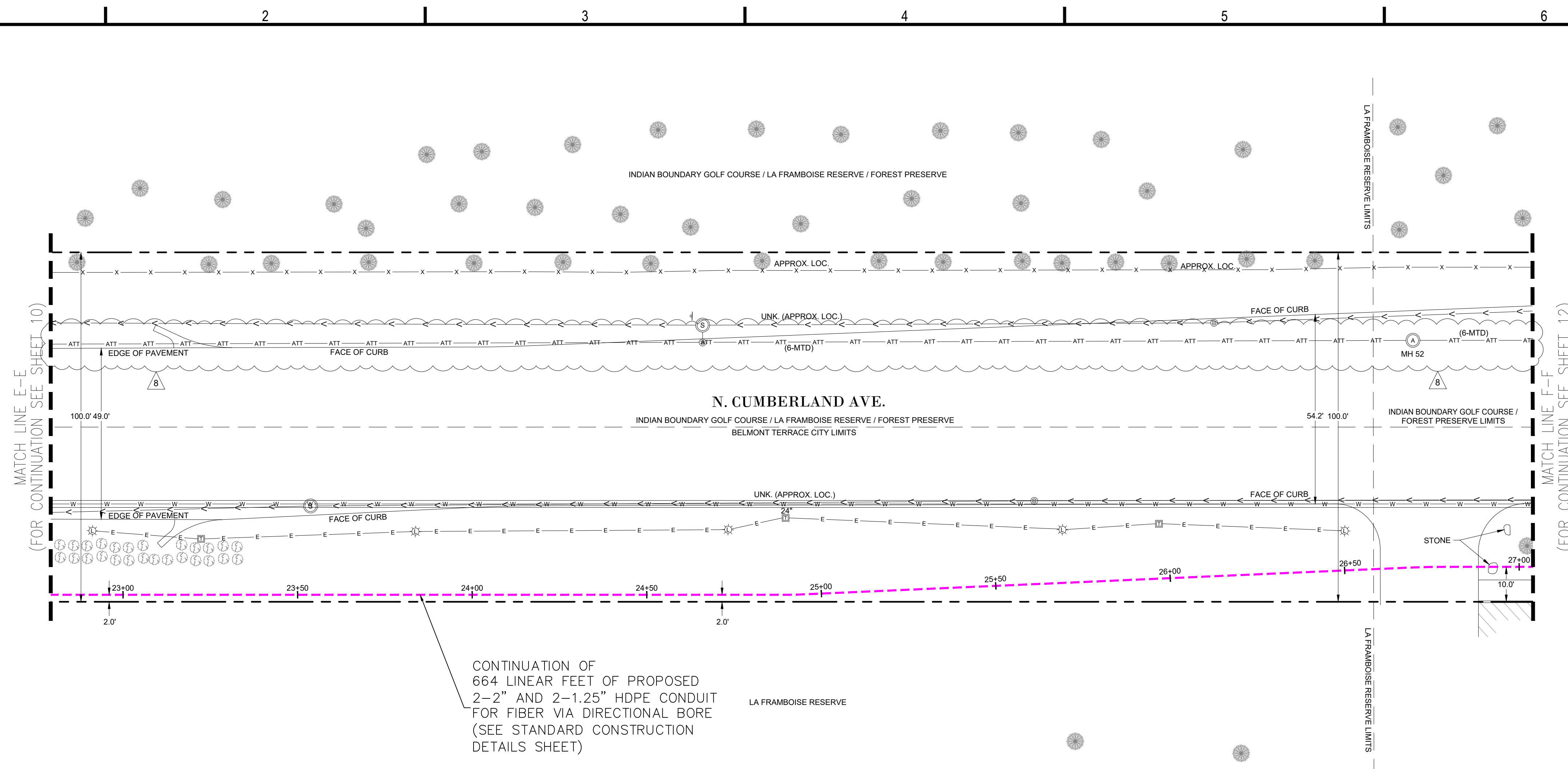
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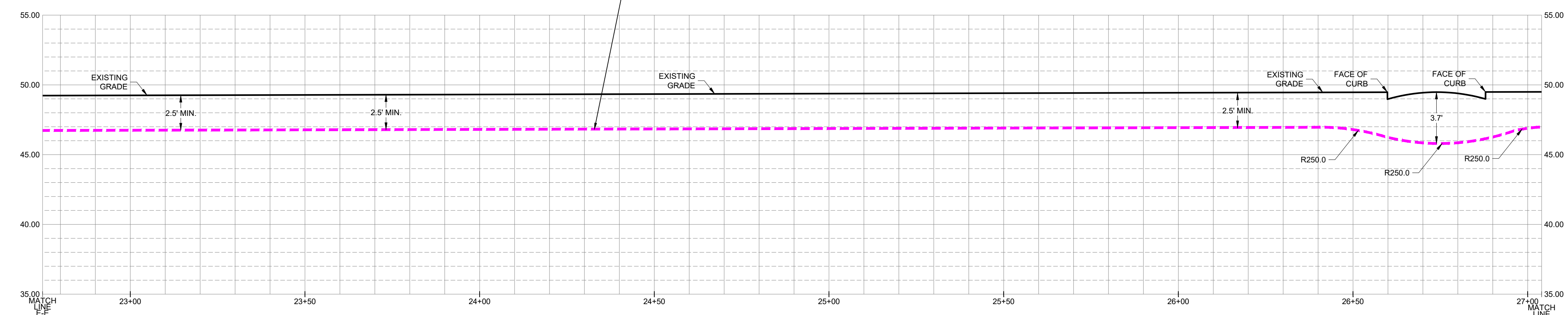
SHEET: 10 OF 26



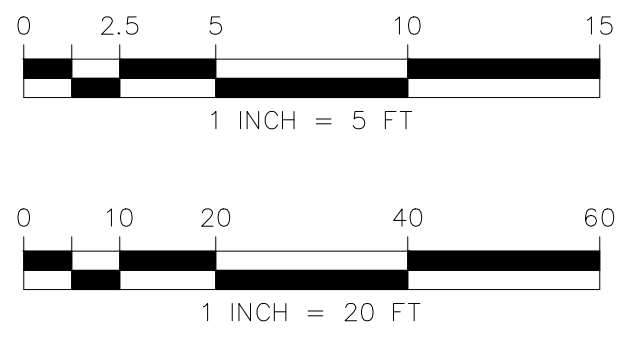
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SHEET: 11 OF 26