CITY OF URBANDALE NOTES

ALL CONDUIT AND HANDHOLE INSTALLATIONS, REMOVALS, MODIFICATIONS, AND

TEMPORARY WORK SHALL BE DONE ACCORDING TO THE FOLLOWING NON-INCLUSIVE CONDITIONS:

SECTION 1.0 SCOPE OF WORK

1.01 INSTALLATION DESCRIPTION

INSTALL CONDUIT AND ALL RELATED APPURTENANCES FOR FIBER OPTIC CABLE INSTALLATION. SEE PLANS FOR EXACT LOCATION, LENGTHS, QUANTITIES, AND DIMENSIONS OF PROPOSE IMPROVEMENTS.

- SEE SHEET 3 FOR LOCATION OF ENGINEER'S ESTIMATE OF MATERIALS
- THE CONTRACTOR SHALL PROVIDE ALL MATERIAL. EQUIPMENT, LABOR, INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, JOB SITE DELIVERY COSTS AND INCIDENTALS TO COMPLETE THE DESCRIBED OR ILLUSTRATED WORK.
- ANY CHANGE-ORDER REQUEST 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 REDUCED TO FORMAL RECORD, FILED WITH THE OWNER'S REPRESENTATIVE, AND BE MADE AVAILABLE FOR FUTURE REFERENCE.
- THE ENGINEER WILL NOT BE RESPONSIBLE NOR ASSUME ANY LIABILITY FOR NEGLIGENT ACTS OR ERRORS OF OMISSIONS OF ANY CONTRACTOR, ANY SUBCONTRACTOR, OR ANY OF THE CONTRACTOR'S OR SUBCONTRACTORS' AGENTS OR EMPLOYEES OR ANY OTHER PERSONS (EXCEPT ENGINEER'S OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE PERFORMING ANY OF THE WORK OF THE PROJECT. ANY CONTRACTOR OR SUBCONTRACTOR, AS WELL AS THE ENGINEER, WILL BE RESPONSIBLE FOR HIS OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUB-CONSULTANTS 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 WORK OF CONSTRUCTION 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.

- ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA) AND AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
- 2. ALL TRENCHED CONDUIT, ELBOWS, AND COUPLINGS SHALL BE HDPE UNLESS OTHERWISE NOTED. ALL BORED CONDUIT AND COUPLINGS SHALL BE HDPE SDR-13 UNLESS OTHERWISE NOTED.
- JOB SITE MATERIAL WILL BE DELIVERED TO AND MAINTAINED AT THE STREET WORK AREAS IN A WELL MANAGED MANNER, TO MINIMIZE CONGESTION OR INCONVENIENCE TO OTHER WORKERS, OR CONTRACTORS WORKING UNDER ALTERNATE PERMITS.

SECTION 3.0 GENERAL NOTES

CONTRACTOR IS ADVISED TO READ ALL NOTES ON DRAWINGS, CAREFULLY

- THE CONTRACTOR SHALL VERIFY EXISTING STREET RIGHTS OF WAY TO THE EXTENT NECESSARY TO VERIFY PROPOSED WORK REMAINS WITHIN THESE RIGHTS OF WAY AND DOES NOT INFRINGE ONTO PRIVATE PROPERTY NOT OWNED BY THE
- SCALE FOR DRAWINGS IS FOR GENERAL INFORMATION ONLY. LOCATIONS AND DIMENSIONS SHALL BE TAKEN AS SHOWN AND THE DRAWINGS SHALL NOT BE SCALED.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS CITY AND STATE AGENCIES.
- INSTALL CONDUIT MINIMUM OF 10'-0" BELOW ALL WATERWAYS AND CULVERT CROSSINGS. CONTRACTOR TO VERIFY CULVERT DEPTH PRIOR TO CONDUIT INSTALLATION.
- NUMEROUS ELEVATION CHANGES. TOPOGRAPHY LINES SHOWN ON DRAWING FOR REFERENCE ONLY.
- DUE TO EXISTING FORESTED AREAS, SOME TREE REMOVAL AND TRIMMING REQUIRED FOR CONDUIT OR HANDHOLE INSTALLATION WITHIN THE RIGHT-OF-WAY.
- RIGHT OF WAY LOCATIONS ARE APPROXIMATE. FIBER INSTALLATION 4'-0" MINIMUM OFF RIGHT-OF-WAY

POSSIBLE OBSTRUCTIONS. ALL TEST HOLES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

SECTION 4.0 EXISTING UTILITIES

- EXISTING CONDITIONS, STRUCTURES, UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED FROM UTILITY ATLASES AND FROM DRAWINGS FURNISHED BY THE VARIOUS UTILITIES AND ARE ASSUMED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK.
- FOR BORED INSTALLATIONS, THE CONTRACTOR SHALL PERFORM TEST HOLES AT ALL UTILITY CROSSINGS TO VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION, AND TO LOCATE ANY POSSIBLE OBSTRUCTIONS. ALL TEST HOLES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- FOR TRENCHED INSTALLATIONS, THE CONTRACTOR SHALL PERFORM TEST HOLES PER PLAN OR AS DEEMED NECESSARY TO VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION, AND TO LOCATE ANY
- THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL OVERHEAD OBSTRUCTIONS PRIOR TO THE COMMENCEMENT OF WORK.
- EXISTING UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL CONTACT IOWA ONE CALL AT 1(800)-292-8989 A MINIMUM OF 48 HOURS (EXCLUDING WEEKENDS AND GOVERNMENT HOLIDAYS) PRIOR TO COMMENCEMENT OF ANY PAVEMENT CUTS OR EXCAVATION TO REQUEST LOCATING AND MARKING OF EXISTING UTILITIES PRIOR TO PERFORMING ANY EXCAVATION WORK IN OR AROUND ANY UTILITY.
- ALL EXCAVATION WORK NEAR AND AROUND EXISTING STRUCTURES AND UTILITIES SHALL BE BY HAND METHOD.
- ALL DISCREPANCIES SHOULD BE REPORTED TO OWNER (515-725-4610). ANY QUESTIONS OR COMMENTS THE CONTRACTOR MAY HAVE ARE TO BE DISCUSSED WITH THE OWNER PRIOR TO CONSTRUCTION
- 8. FURTHER. THE CONTRACTOR SHALL RECORD THE LOCATION AND ELEVATION OF ALL UTILITIES ENCOUNTERED. AND INSTALLATION OF NEW WORK, AS THE WORK PROGRESSES AND SHALL PREPARE RECORD DRAWINGS (RED-LINES) BASED ON HIS RECORDS. AS PART OF THE RECORD DRAWINGS. CONTRACTOR SHALL ALSO PROVIDE HORIZONTAL AND VERTICAL CONFIGURATION OF CONDUITS WHERE MULTIPLE CONDUITS ARE INSTALLED. THESE RECORDS TO BE SUPPLIED TO THE OWNER AT COMPLETION OF WORK.
- AT SEWER DRAINS FROM HOMES OR OTHER BUILDINGS, IF THERE IS INTERFERENCE, REPLACE INKIND. IN ALL CASES WHERE SEWER WORK IS DONE, A PERMIT SHOULD BE OBTAINED AND A SEWER INSPECTOR SHOULD BE PRESENT DURING
- CONTRACTOR SHALL SUPPORT ALL WATER MAINS IN EXCESS OF 12" IN DIAMETER WITH A PERMANENT TYPE OF STRUCTURE UNLESS OTHERWISE NOTIFIED BY THE WATER DEPARTMENT, AND IS INCLUDED IN COST FOR DOING THE WORK. AT NO TIME DURING CONSTRUCTION SHALL WATER MAINS GO UNSUPPORTED FOR A SPAN GREATER THAN 8'-0".
- 11. CONTRACTOR RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL TEMPORARY UTILITY SUPPORT SYSTEMS PRIOR TO CONSTRUCTION.
- 12. CONTRACTOR SHALL NOTIFY ALLIANT IN SITUATIONS WHERE STEEL PIPE CONDUCTOR IS NICKED DURING EXCAVATION. ALLIANT WILL EVALUATE THE EXTENT OF THE DAMAGE SO AS TO DETERMINE WHETHER REPAIR IS REQUIRED PRIOR TO BACKELL AND GRADE SURFACE RESTORATION.

SECTION 5.0 WORK

- NO STORAGE OF EQUIPMENT OR MATERIALS IN THE ROADWAY IS PERMITTED UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE CITY, STATE, AND/OR GOVERNING BODY
- THE CONTRACTOR SHALL MARK ALL OPENINGS ON THE SURFACE PRIOR TO THE COMMENCEMENT OF EXCAVATION. ALL OPENINGS ON PAVED SURFACES SHALL BE SAW CUT PRIOR TO REMOVAL OF PAVEMENT
- CONTRACTOR RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL SHORING SYSTEMS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL ASSUME ALL ELECTRICAL CABLES ARE ENERGIZED AND SHALL BE SUPPORTED SO AS NOT TO STRESS ANY PORTION OF THE CABLE
- CONTRACTOR SHALL PROVIDE APPROPRIATE ENGINEERED DE-WATERING MEASURES. IF NECESSARY. TO ENSURE GROUNDWATER TABLE REMAINS AT A DEPTH BELOW THE BASE OF THE EXCAVATION AT ALL TIMES DURING EXCAVATION. INSTALLATION AND BACKFILLING OPERATIONS.
- THE ENGINEER SHALL BE NOTIFIED FOR RESOLUTION OF SITUATIONS WHERE CONDUIT DEPTH BELOW GRADE DEVIATES BY MORE THAN 3" AS CURRENTLY SHOWN ON PLAN/PROFILE DRAWINGS.
- THE ENGINEER SHALL ALSO BE NOTIFIED FOR DISPOSITION OF SITUATIONS WHERE THE CONDUIT CANNOT MAINTAIN SEPARATIONS PER PLAN.

ODN

OLM

POWER SUPPLY

EX. SPLITTER

NEW SPLITTER

-**O**→ TAP/EOL

△ AMP

NODE

SECTION 6.0 SAFETY

- CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT UTILITIES, PEDESTRIANS, WORKERS AND VEHICULAR TRAFFIC. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCES, BARRICADES, AS REQUIRED TO PROTECT ADJACENT PROPERTY AND THE PUBLIC DURING ALL PHASES OF CONSTRUCTION
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BARRICADES. SIGNAGE. WARNING LIGHTS AND OTHER DEVICES AND KEEP ALL TRAFFIC CONTROL OPERATIONAL 24 HOURS A DAY AT ALL OPEN TRENCH LOCATIONS AND AT LOCATIONS. WHICH DO NOT HAVE A FINISHED SURFACE OR ROAD PLATES
- THE CONTRACTOR SHALL COORDINATE INGRESS AND EGRESS TO ADJACENT PROPERTIES AND/OR CONSTRUCTION AFFECTED BY THE PROPOSED WORK.

SECTION 7.0 RESTORATION

TRENCH FTG

BORE FTG

AERIAL FTG

---- TRENCH

ASPHALT CUT

BORE PIT

BORE

--- AERIAL

HANDHOLE

MANHOLE

3'x5' VAULT

NODE PED

VAULTED PED

VACUUM/DIRT POT

□ 2'X3' HANDHOLE

VAULT

ASPHALT CUT FTG 🔃 CATV PEDESTAL

PROPOSED:

- THE CONTRACTOR SHALL OBTAIN A PERMIT TO PERFORM ALL RESTORATION WORK IN THE CONTRACTOR'S ALL PAVING SHALL BE COMPLETED WITHIN 15 WORKING DAYS AFTER EXCAVATION IS BACKFILLED UNLESS OTHERWISE ARRANGED IN ADVANCE WITH GOVERNING AGENCY.
- CONTRACTOR SHALL BREAK OUT SIDEWALK, DRIVEWAY, CURB AND GUTTER, PAVEMENT AND RESTORE TO PERMANENT CONDITION. CONTRACTOR TO CONFORM CONCRETE TO COLOR, FINISH, AND TEXTURE OF EXISTING SIDEWALKS, CURB AND GUTTER.

UTILITY CABINET

VAULTED PEDESTAL 🏺 UTILITY RISER POLE 🔼 TRAFFIC CABINET

STEEL UTILITY POLE ► TRAFFIC LIGHT

TRANSFORMER CATCH BASIN

ELECTRIC HANDHOLE • FIRE HYDRANT

⊗ UTILITY POLE

ELECTRIC VAULT

ELECTRIC CABINET

TRAFFIC HANDHOLE

WATER METER

THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF THE AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR TO PAY ALL FEES AND OBTAIN ALL PERMITS FOR RESTORATION.

CATV CABINET

NODE PEDESTAL

CATV POWER SUPPLY MH

CATV VAULT

VAULTED PED

CATV PEDESTAL © UTILITY VALVE

□ UTILITY PEDESTAL
 □ STREET LIGHT
 □

4. THE CONTRACTOR IS TO RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF THE FACILITY OWNER, IN THE EVENT THAT DAMAGE OCCURS.

EXISTING:

IRRIGATION WELL 40' 20' 0 >── ANCHOR HALF SCALE 1" = 40"€³ TREE SURVEY HH / BC BLOCKWALL → BACK FLOW VALVE — X — CHAINLINK FENCE ——^{| |} GUARDRAILS

————WOOD FENCE

NORTH

FULL SCALE 1" = 20"

Call at least two full working days Know what's below. Call 811 before you dig. VICINITY MAP -JOB SITE

WATER **DES MOINES WATER** SEWER CITY OF CLIVE **STORM DRAIN** CITY OF CLIVE **TELCO MIDAMERICAN** ELECTRIC **MIDAMERICAN**

REFERENCE/DOCUMENT #

UTILITY

AERIAL: - | ASPHALT-CUT: TRENCH: SHEET TOTAL: Mediacom **PROJECT TOTAL:** 6,390' INITIALS REV DESCRIPTION DATE 0 PRELIMINARY 3.2.2022 1 R/L CHANGE 4.4.2022 TELCYTE 2 R/L CHANGE 4.7.2022 4.14.2022 3 R/L CHANGE

77-0064-189-A/PCC PAVEMENT WIDENING 2300 128TH ST URBANDALE, IA, 50323 TBA **IOWA DOT / URBANDALE**

T79N R25W SEC29/32 | 02.09.2022 | 1 of 10

AERIAL PHOTOGRAPHY SHOWN ON PLANS IS FOR REFERENCE ONLY AND MAY NOT MATCH EXISTING CONDITIONS

IOWA DEPARTMENT OF TRANSPORTATION NOTES

- ALL EXISTING IOWA DOT ITS DEVICES AND IOWA DOT AND ICN FIBER SHALL BE KEPT IN OPERATION. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING POWER AND COMMUNICATION CABLES AND DEVICES DURING CONSTRUCTION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE RIGHT-OF-WAY, WHERE SHOWN ON PLANS, IS APPROXIMATE ONLY. RIGHT-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION

- THE PLAN LOCATIONS OF UNDERGROUND AND AERIAL UTILITIES, WHEN SHOWN, ARE APPROXIMATE ONLY. IN ADDITION, A PORTION OF UTILITY INFORMATION MAY NOT HAVE BEEN PROVIDED. ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES AND LOCATOR SERVICES AND SCHEDULING THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO CONTACT ANY AND ALL UTILITIES AND LOCAL GOVERNMENT AGENCIES NOT PARTICIPATING IN LOCATION SERVICES
- THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITIES EXCEPT AS SPECIFICALLY DEFINED WITHIN THE SCOPE OF WORK FOR THIS CONTRACT. WHERE WORK AFFECTS OR IS AFFECTED BY THE EXISTING UTILITIES, THE WORK SHALL BE COORDINATED WITH THE UTILITY COMPANY AND/OR OWNER. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE IOWA DOT.
- UTILITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN THE CONSTRUCTION LIMITS SHALL BE NOTIFIED BY THE CONTRACTOR OF THE STARTING CONSTRUCTION DATE.
- PROPOSED ITS INFRASTRUCTURE LOCATIONS ARE APPROXIMATE AND MAY REQUIRE MODIFICATION TO AVOID CONFLICTS WITH UNDERGROUND AND AERIAL UTILITIES OR OTHER OBSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ANY CONFLICTS WITH EXISTING UTILITIES AT SITES IN THE FIELD PRIOR TO INITIATION OF CONSTRUCTION AT THAT SITE.

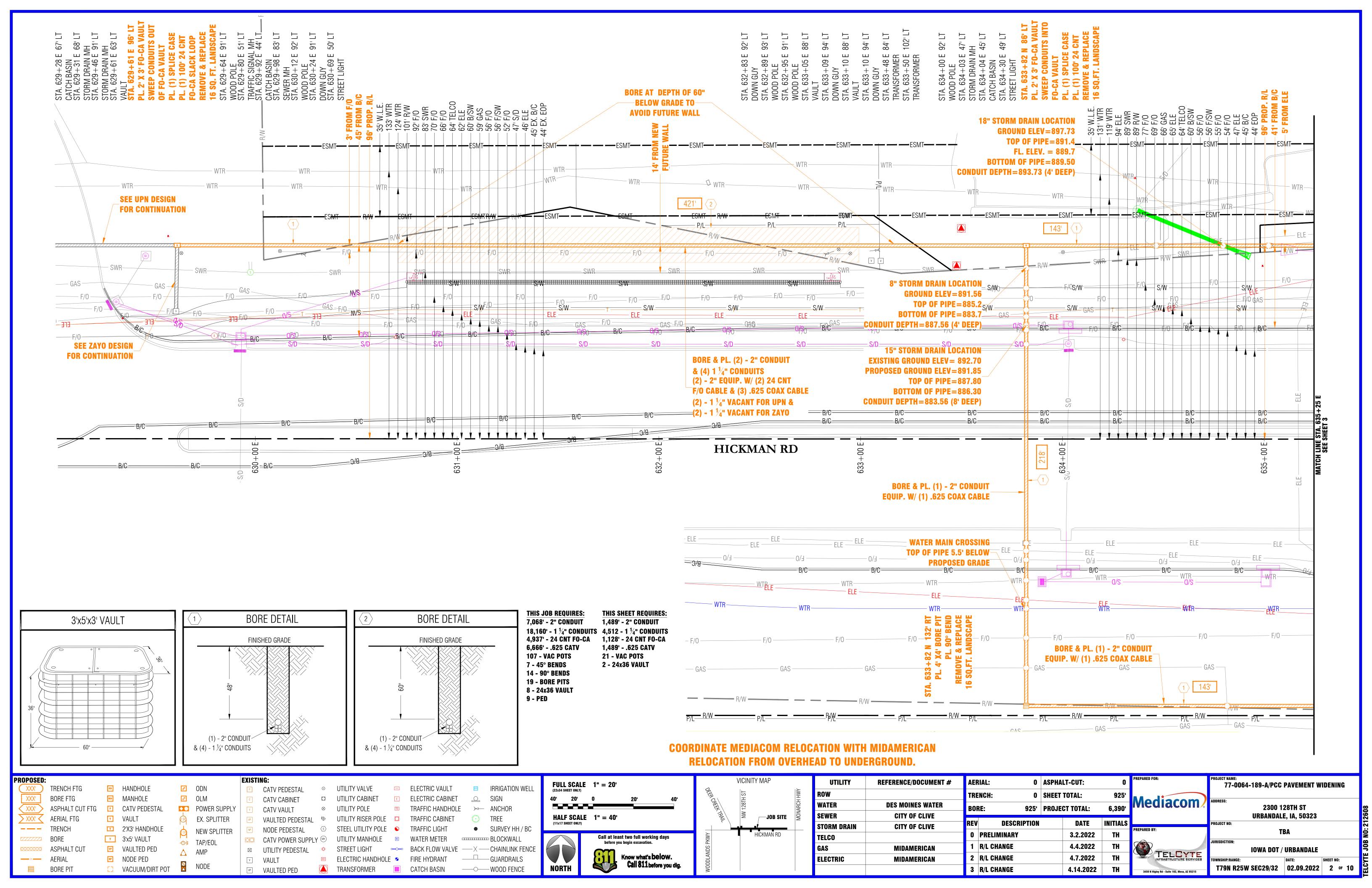
- ANY AND ALL INFRASTRUCTURE SUCH AS ASPHALT OR CONCRETE PAVEMENTS, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, CULVERTS, DRAIN TILES, EMBANKMENTS, SHRUBS, TREES, GRASS, SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS (OR BETTER) AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE IOWA DOT
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY EXISTING CONDUIT, CONDUCTORS, OR OTHER FACILITIES DAMAGED DURING CONSTRUCTION. ALL EXISTING INFRASTRUCTURE REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR, WITH NO ADDITIONAL COMPENSATION.
- MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE SECTIONS INCLUDING BUT NOT LIMITED TO ARTICLES 2523 AND 2525, OF THE "IOWA DEPARTMENT OF TRANSPORTATION ENGLISH STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2015" PLUS CURRENT SUPPLEMENT SPECIFICATIONS AND SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREA(S) WILL BE SUBJECT TO THE APPROVAL OF THE RESIDENT CONSTRUCTION ENGINEER
- THE TOP SIX (6) INCHES OF THE DISTURBED AREAS SHALL BE FREE OF ROCK AND DEBRIS AND SHALL BE FOR THE ESTABLISHMENT OF VEGETATION, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR IS EXPECTED TO HAVE MATERIALS, EQUIPMENT, AND LABOR AVAILABLE ON A DAILY BASIS TO INSTALL AND MAINTAIN EROSION CONTROL FEATURES ON THE PROJECT. THIS MAY INVOLVE SEEDING, SILT FENCE, ROCK DITCH CHECKS. SILT BASINS. OR SILT DIKES.
- 14. NO OPEN HOLES OR MOUNDS OF DIRT SHALL BE LEFT UNPROTECTED DURING NON-WORKING HOURS

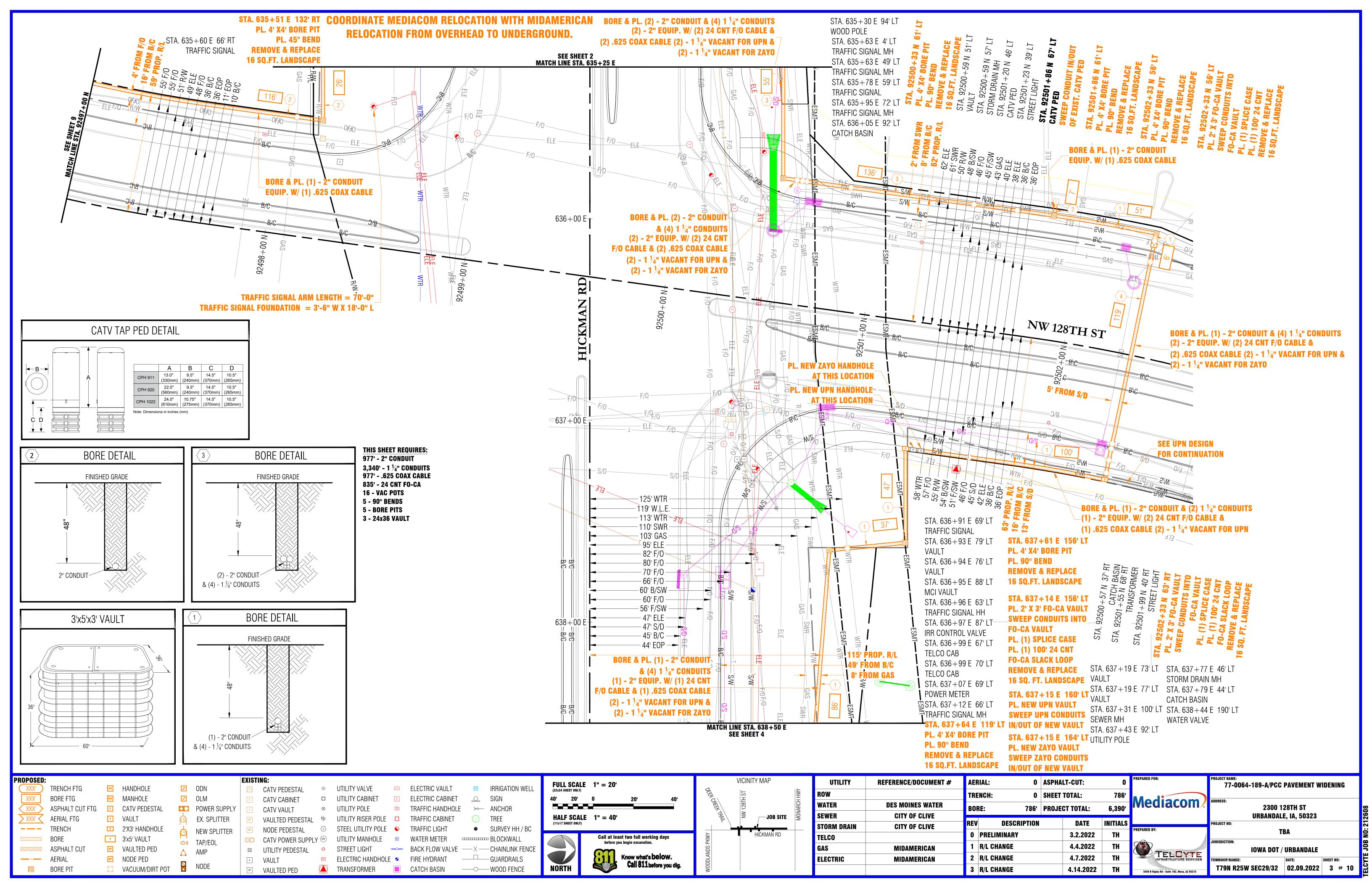
- THE CONTRACTOR SHALL BORE ALL CROSSINGS BENEATH ROADWAYS, STREETS, OTHER PAVED SURFACES, RAILROAD, OR OTHER STRUCTURE. DEPTH OF ALL BORES SHALL BE A MINIMUM OF 48 INCHES UNLESS OTHERWISE SPECIFIED
- ABOVE GROUND RISERS SHALL BE RIGID STEEL CONDUIT TO A MINIMUM DEPTH OF 18 INCHES BELOW SURFACE. ALL OTHER CONDUIT SHALL BE ORANGE HDPE CONDUIT. RIGID P.V.C CONDUIT (SCHEDULE 40 OR AS APPROVED) MAY BE SUBSTITUTED FOR UNDERGROUND CONDUIT RUNS UNDER 25 FEET OR AS OTHERWISE DIRECTED BY THE ENGINEER
- THE MINIMUM BENDING RADIUS OF HDPE CONDUIT SHALL BE THE CONDUIT MANUFACTURER'S RECOMMENDATIONS FOR MINIMUM BENDING RADIUS.
- THE CONTRACTOR SHALL PLOW ALL CONDUIT WHERE EXISTING CONDITIONS ALLOW UNLESS OTHERWISE SPECIFIED ON THE PLANS. THE CONTRACTOR MAY BORE IN LIEU OF PLOWING AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL ATTEMPT TO INSTALL ALL CONDUIT ADJACENT TO DOT FENCE/ROW AT THE OFFSETS NOTED ON PLAN SHEETS. REMOVAL/DISTURBANCE OF EXISTING TREE GROWTH IS ALLOWED: HOWEVER. REMOVAL OF OBVIOUS DOT PLANTINGS SHALL BE AVOIDED. WHERE THICK TREE GROWTH RESULTS IN A NEED TO CHANGE INSTALLATION METHODS OR ROUTING, THE ENGINEER SHOULD FIRST BE NOTIFIED AND APPROVE THE REQUESTED CHANGE
- BORE LENGTHS AS SHOWN ON DESIGN PLANS ARE TO BE CONSIDERED MINIMUM FOR CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE ENGINEER
- TRANSVERSE BORE PITS AND RECEIVING PITS SHALL BE WITHIN 15 FEET OF ROW

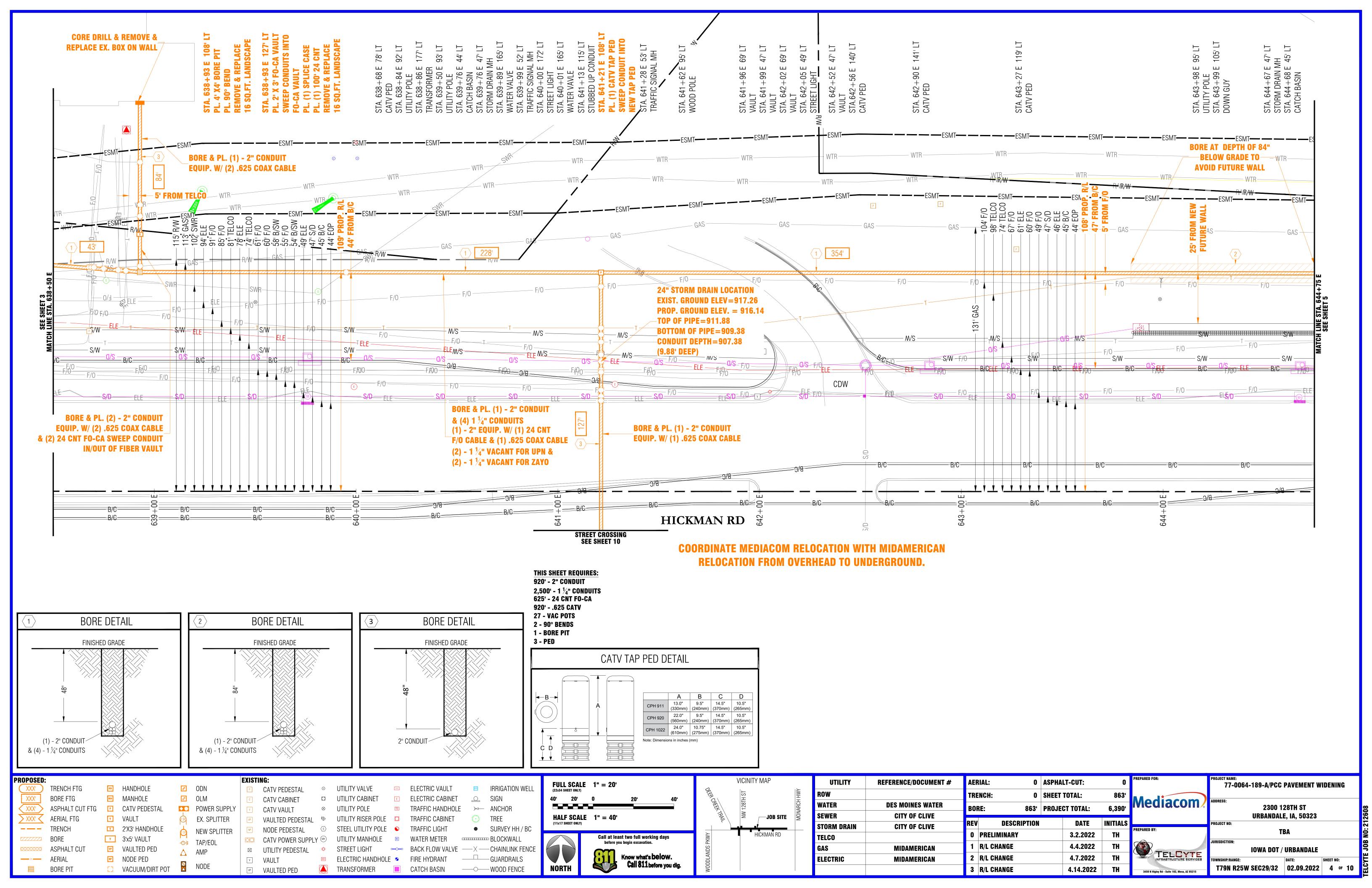
- IN THE EVENT IT IS SUSPECTED THAT CABLE DAMAGE HAS OCCURRED PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL PERFORM OTDR TESTING OF ALL FIBER STRANDS WITHIN SEVENTY TWO (72) HOURS AFTER NOTIFICATION AND SUBMIT A COPY OF THE OTDR TEST TO THE ENGINEER UPON COMPLETION.
- CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY DAMAGE OCCURRING BEFORE FINAL ACCEPTANCE AT NO ADDITIONAL COST TO THE IOWA DOT. THE CONTRACTOR WILL NOT BE GRANTED AN EXTENSION OF TIME FOR DELAYS CAUSED BY REPLACING OR REPAIRING THE INSTALLED CABLE.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY DEFECT IN THE INSTALLED CABLE AT NO ADDITIONAL COST TO THE IOWA DOT. CONSIDER A DEFECT TO BE ANY CONDITION RESULTING IN A NEGATIVE OR ADVERSE EFFECT ON CURRENT OR FUTURE OPERATIONS OF THE COMPLETED FIBER OPTIC COMMUNICATION SYSTEM AS DETERMINED BY THE ENGINEER.
- ANY EXISTING WIRING THAT IS DAMAGED DURING FIBER OPTIC CABLE INSTALLTION SHALL BE REPLACED OR REPAIRED, AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE IOWA DOT
- COILS OF 100 FEET OF FIBER CABLE SHALL BE PLACED IN EACH 24"x36"x36" HANDHOLE UNLESS OTHERWISE SPECIFIED ON THE PLANS OR THE TABULATION (LISTING OF HANDHOLE ON SHEET C.05. COILS OF 150 FEET OF FIBER CABLE SHALL BE PLACED IN EACH TYPE IV HANDHOLE UNLESS OTHERWISE SPECIFIED ON THE PLANS OR TABULATION (LISTING OF HANDHOLE WORK) ON SHEET C.05
- CONTRACTOR SHALL PLACE TAGS ON ALL FIBER OPTIC CABLE IDENTIFYING THE OWNER AND DIRECTION OF THE CABLE AT EACH TERMINATION POINT AND IN EVERY HANDHOLE AND SPLICE VAULT. TAGS SHALL CLEARLY IDENTIFY WHERE EACH INDIVIDUAL CABLE RUN ORIGINATED AND WHERE IT ENDS (HANDHOLE TO HANDHOLE TO CABINET, HANDHOLE TO BUILDING, ETC.) FOR FIBER INSTALLATIONS WITH JOINT DEPARTMENT OF TRANSPORTATION/OTHER AGENCY (OR ENTITY) USE WHERE THE FIBER WILL BE OWNED BY THE OTHER AGENCY (OR ENTITY), INSTALL TYPICAL IDENTIFIERS AND/OR MARKINGS FOR THAT FIBER.
- ANY EXISTING PULL TAPE OR TRACER WIRE THAT IS USED AS A PULL ROPE FOR FIBER OPTIC CABLE INSTALLATION SHALL BE REPLACED IN KIND. THE COST OF ANY TRACER WIRE OR PULL TAPE REPLACEMENT SHALL BE SUBSIDIARY TO THE FIBER OPTIC CABLE INSTALLATION.

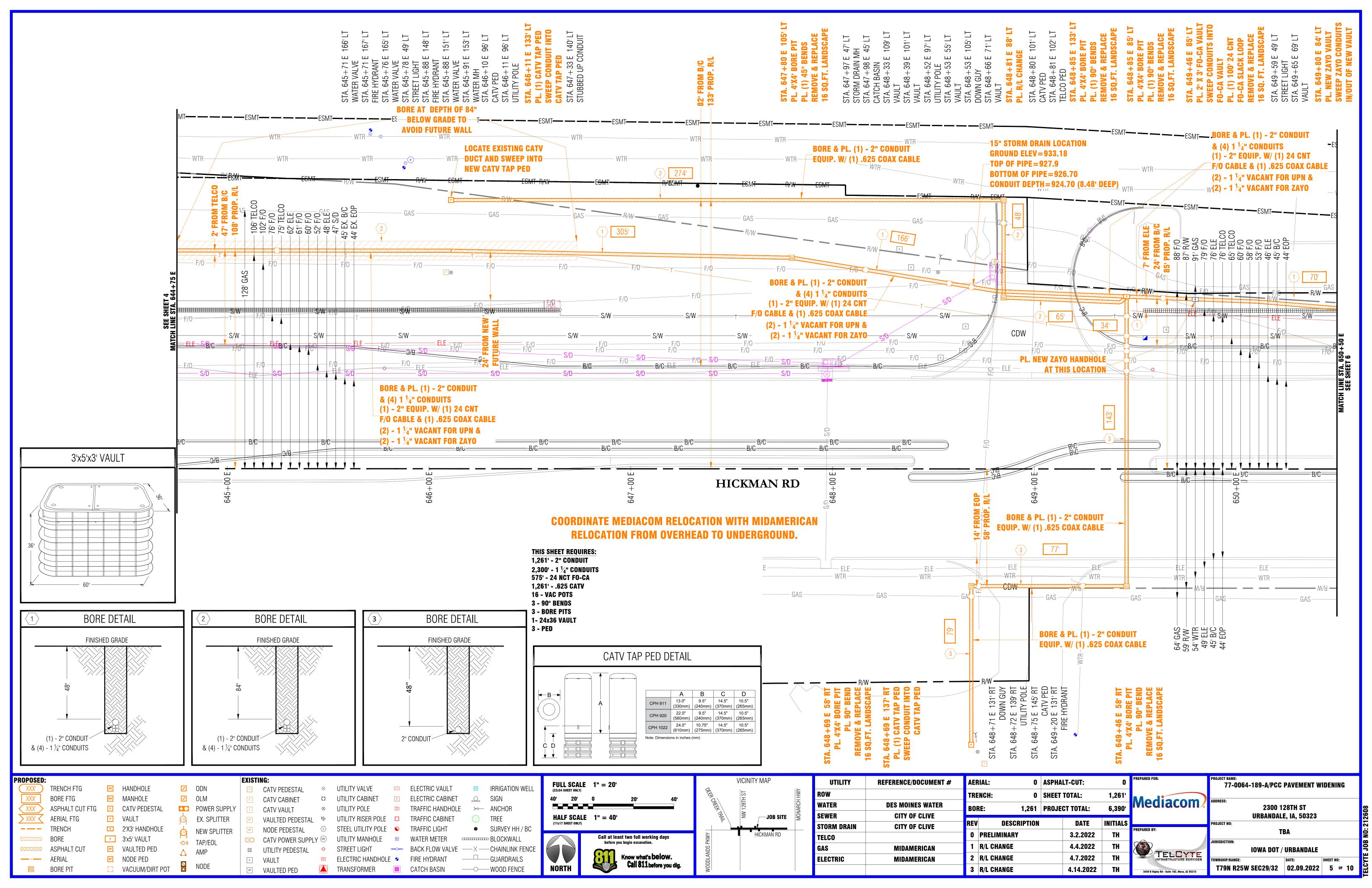
NOTICE TO PLAN HOLDER:

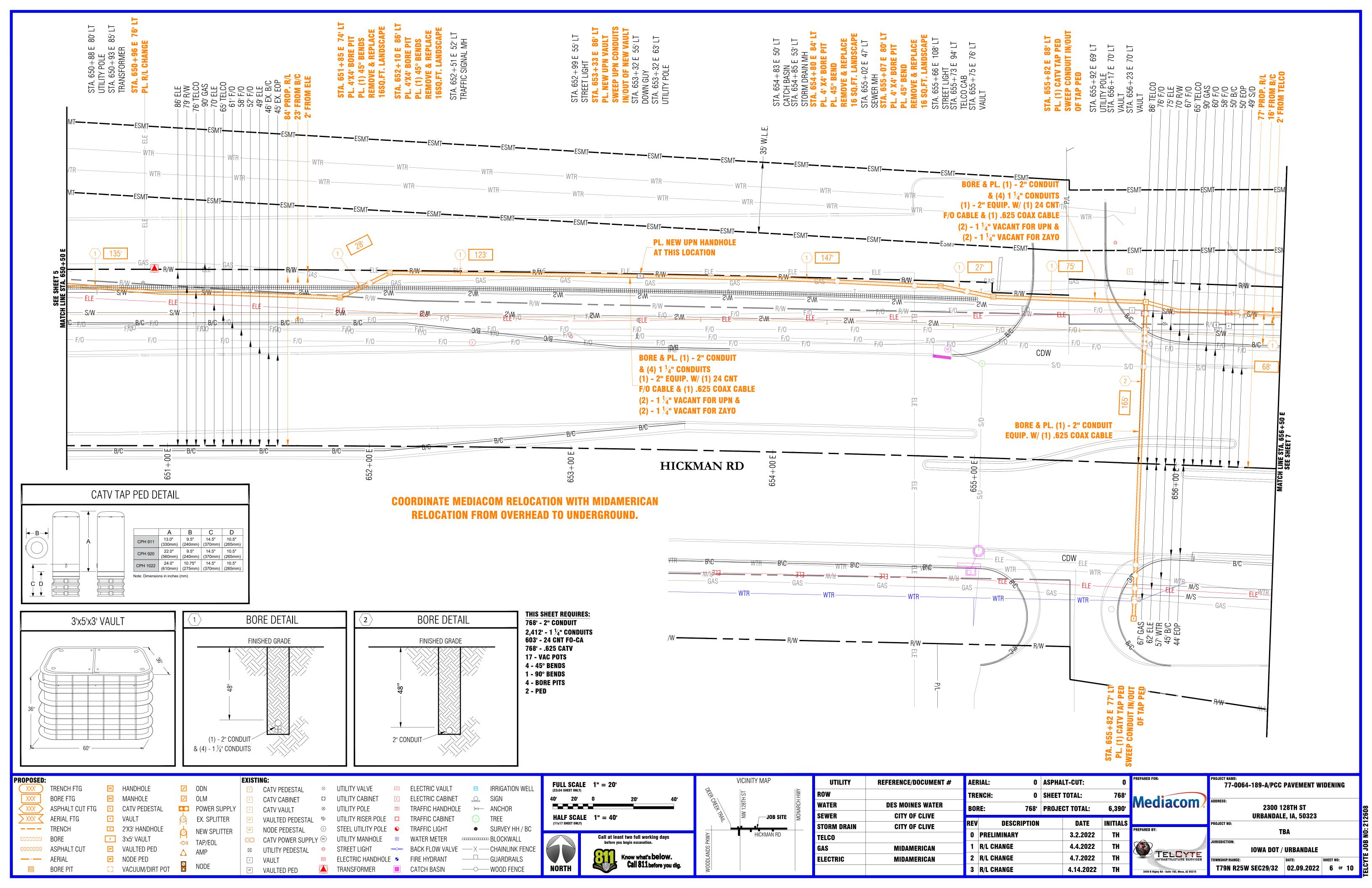
THE UTILITY LOCATIONS AND OTHER FACILITIES SHOWN ON THIS DRAWING ARE REPRESENTATIVE OF INFORMATION FURNISHED BY OTHER PARTIES. IT IS INTENDED FOR REFERENCE ONLY. CONTRACTOR IS REQUIRED TO CONTACT BLUE STAKE, 236-1100 PRIOR TO STARTING CONSTRUCTION AND IS BOUND BY THEIR LAWS AND ORDINANCES.

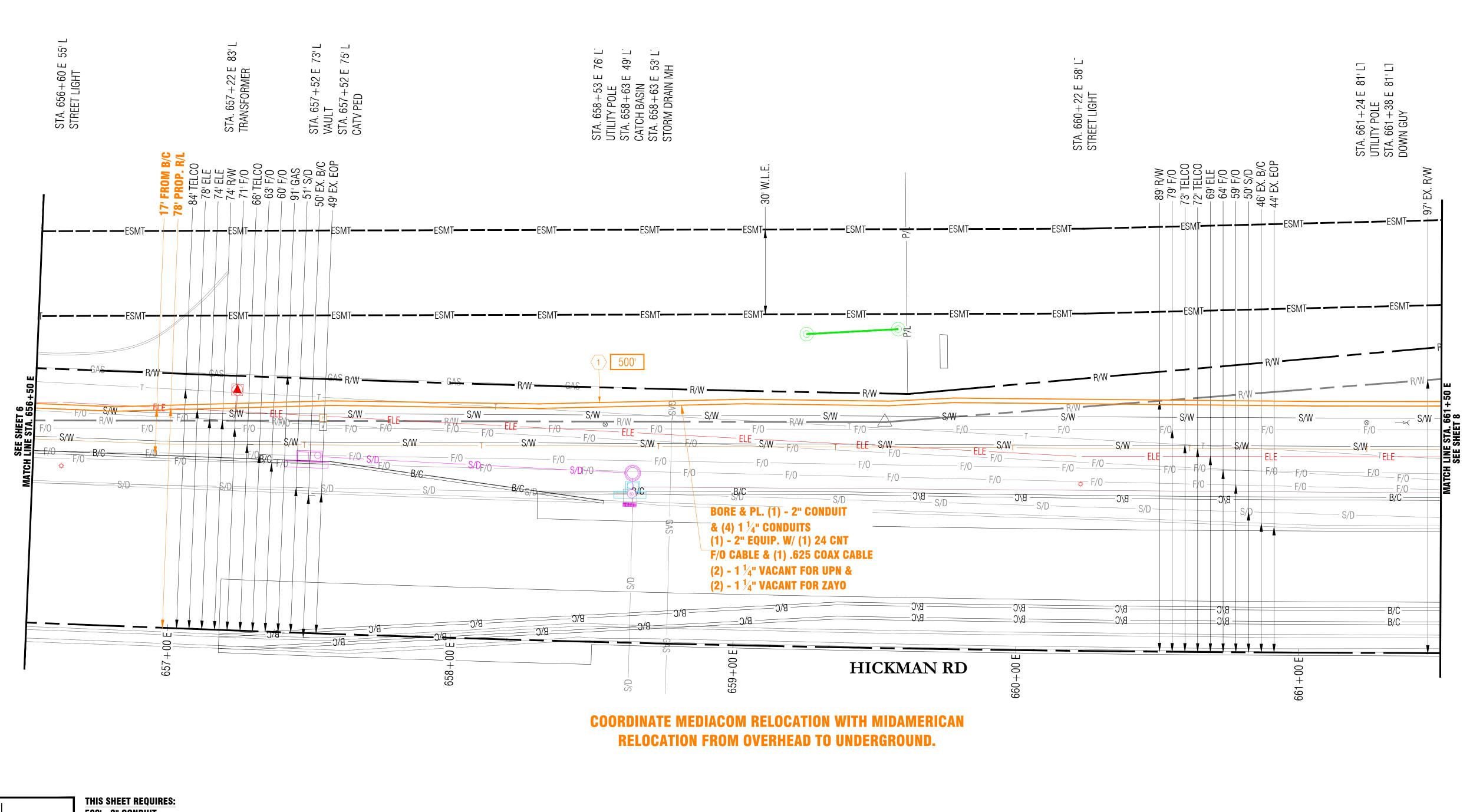




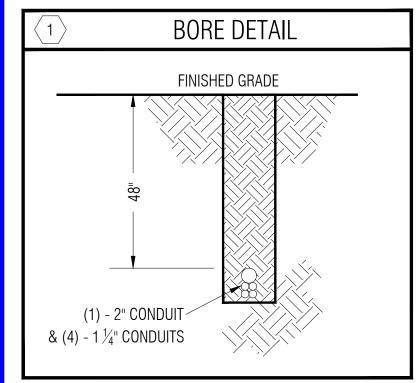




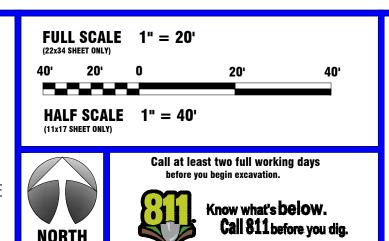








ROPOSED:						EXIST	NG:							
(XXX)	TRENCH FTG	нн	HANDHOLE	day	ODN	Р	CATV PEDESTAL	\odot	UTILITY VALVE	FURET	ELECTRIC VAULT	IRR	IRRIGATION WELL	
XXX'	BORE FTG	МН	MANHOLE	07	OLM	С	CATV CABINET		UTILITY CABINET	Е	ELECTRIC CABINET		SIGN	4
$\langle XXX_i \rangle$	ASPHALT CUT FTG	P	CATV PEDESTAL	• •	POWER SUPPLY	V	CATV VAULT	\otimes	UTILITY POLE	TS	TRAFFIC HANDHOLE	$\triangleright\!$	ANCHOR	
$\rightarrow XXX_{1}$	AERIAL FTG	V	VAULT	(SP)	EX. SPLITTER	VP	VAULTED PEDESTAL	₩	UTILITY RISER POLE		TRAFFIC CABINET		TREE	
	TRENCH	V	2'X3' HANDHOLE	2 SP	NEW SPLITTER	NP	NODE PEDESTAL	(S)	STEEL UTILITY POLE	•	TRAFFIC LIGHT		SURVEY HH / BC	
	BORE	V	3'x5' VAULT	M -⊕}	TAP/EOL		CATV POWER SUPPLY	/ MH	UTILITY MANHOLE	W	WATER METER		BLOCKWALL	
	ASPHALT CUT	VP	VAULTED PED	Λ	AMP		UTILITY PEDESTAL	\$	STREET LIGHT	⊶	BACK FLOW VALVE	—X—	-CHAINLINK FENCE	
—— A ——	AERIAL	NP	NODE PED			V	VAULT	HH	ELECTRIC HANDHOLE	•	FIRE HYDRANT		-GUARDRAILS	
	BORE PIT	7 N L J	VACUUM/DIRT POT		NODE	VP	VAULTED PED		TRANSFORMER		CATCH BASIN	 0	-WOOD FENCE	



VICINITY MAP							
DEER CREEK TRAIL	NW 128TH ST AMONARCH HWY						
WOODLANDS PKWY	HICKMAN RD						

UTILITY	REFERENCE/DOCUMENT #	AER	AERIAL:			
ROW		TRE	NCH:			
WATER	DES MOINES WATER		BORE:			
SEWER	CITY OF CLIVE					
STORM DRAIN	CITY OF CLIVE	REV	DESCRIP			
TELCO		0	PRELIMINARY			
GAS	MIDAMERICAN	1	R/L CHANGE			
ELECTRIC	MIDAMERICAN	2	R/L CHANGE			

AERIAL: 0			ASPHALT-CUT:			PREPARED FOR:
TRENCH: 0		SHEET TOTAL:		500'	Modiacom	
BORE: 500'		0'	PROJECT TOTAL:		6,390'	Mediacom
REV	REV DESCRIPTION			DATE	INITIALS	
0	PRELIMINARY			3.2.2022	TH	PREPARED BY:
1	R/L CHANGE			4.4.2022	TH	
2	R/L CHANGE			4.7.2022	TH	TELCYTE
3	R/L CHANGE			4.14.2022	TH	3450 N Higley Rd - Suite 102, Mesa, AZ 85215

0	PREPARED FOR:	PROJECT NAME: 77-0064-189-A/PCC PAVEMENT WIDENING						
),),	Mediacom?	2000 120111 01						
.S	PREPARED BY:	URBANDALE, IA, 50323 PROJECT NO: TBA						
	TELCYTE	JURISDICTION: IOWA DOT / URBANDALE						
	INFRABTRUCTURE BERYICEB 3450 N Higley Rd - Suite 102, Mesa, AZ 85215	township/range: T79N R25W SEC29/32	DATE: 02.09.2022	SHEET NO: 7 OF 10				

