



**PLAN SHEET DISCLAIMER:**

1. EVERY REASONABLE EFFORT HAS BEEN MADE TO ASSURE THE ACCURACY OF THESE PLANS AND ASSOCIATED DATA.
2. IN AN EFFORT TO INCREASE THE CLARITY AND LEGIBILITY OF THE PLANS, EXISTING UNDERGROUND UTILITIES WILL NOT BE SHOWN UNLESS THERE IS PROPOSED WORK THAT WILL REQUIRE EXCAVATION OR ANY OTHER EARTH DISTURBING ACTIVITY. IF PROPOSED WORK WILL REQUIRE THIS TYPE OF ACTIVITY, EXISTING UNDERGROUND UTILITIES WILL BE PROPERLY INVESTIGATED AND REPRESENTED ON THE PLAN SHEET OF THE RESPECTIVE WORK LOCATION

**UTILITIES**

1. THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS.
2. SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR THE REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR
3. CALL 811 BEFORE YOU DIG. AT LEAST 48 HOURS PRIOR TO EXCAVATION.

**WORK LIMITS**

1. THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE OF THESE WORK LIMITS.

**MAINTAIN DRAINAGE**

1. THE CONTRACTOR AT HIS OWN EXPENSE, SHALL MAINTAIN THE FLOW IN ALL SEWERS, DRAINS, FIELD TILES, AND WATERCOURSES ENCOUNTERED IN AND AROUND THE PROJECT SITE. IF SUCH WATERCOURSES OR DRAINS ARE DISTURBED OR DESTROYED DURING THE EXECUTION OF THE PROJECT, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A CONDITION SATISFACTORY TO THE ENGINEER.

**SECURING EXCAVATIONS & TRENCHES FOR NON-WORKING HOURS**

1. EXCAVATIONS AND TRENCHES OVER 24-INCHES DEEP SHALL BE SECURELY PLATED OR BACKFILLED DURING NON-WORKING HOURS.

**EXCAVATION OF ROADWAY AND RIGHT-OF-WAY AREAS**

1. ANY CONTRACTOR PERFORMING EXCAVATION, INCLUDING BUT NOT LIMITED TO DISTURBING THE EARTH WITH POWERED OR NON-POWERED EQUIPMENT, DRILLING AND/OR BORING, SHALL CAUSE NOTICE TO BE GIVEN BY CALLING 811 AT LEAST 48 HOURS BUT NOT MORE THAN 10 WORKING DAYS BEFORE EXCAVATING.
2. THE EXCAVATOR SHALL PROTECT AND PRESERVE THE MARKINGS UNTIL THOSE MARKINGS ARE NO LONGER NEEDED. IF AN EXCAVATION WILL COVER A LARGE AREA AND/OR PROGRESS FROM ONE AREA TO THE NEXT OVER A PERIOD OF TIME, THE EXCAVATOR SHALL COORDINATE THE MARKING OF APPROXIMATE LOCATIONS OF CITY OWNED FACILITIES WITH THE ACTUAL EXCAVATION.
3. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CUSTOMER OWNED SERVICE LINES/LATERALS. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ANY CITY OR CUSTOMER OWNED MAIN OR SERVICE LINE/LATERALS THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION ACTIVITIES. FIELD VERIFICATION SHALL TAKE PLACE PRIOR TO ANY ACTIVITY THAT MAY JEOPARDIZE THE INTEGRITY OF THE FACILITY AND AT A LOCATION NEAREST THE POINT OF POSSIBLE CONFLICT.
4. ANY DAMAGES TO CITY OR CUSTOMER OWNED FACILITIES SHOULD FIRST BE REPORTED TO THE UTILITY OWNER THEN IMMEDIATELY NOTIFY THE PROJECT ENGINEER.

**AERIAL CONSTRUCTION:**

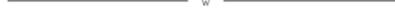
1. CONTRACTOR TO VERIFY ALL BONDING AND GROUNDING COMPLES WITH NESC GUIDELINES.
2. CONSTRUCTION TO VERIFY ALL REQUIRED MAKE READY WORK IS COMPLETE BEFORE PLACING ON UTILITY POLES.

**SAFETY NOTE:**

1. CHECK IN WITH CONSTRUCTION SUPERVISOR WHEN ARRIVING ON-SITE.
2. HEAVY CONSTRUCTION EQUIPMENT IN USE. BEWARE OF SURROUNDINGS.
3. FOLLOW CONGRUEX SAFETY POLICIES AND GUIDELINES AT ALL TIMES WHILE WORKING.
4. CONSTRUCTION ZONE/ HARD HAT, SAFETY GLASSES, REFLECTIVE VEST/SHIRT, SAFETY TOE BOOTS REQUIRED – WORK SAFELY

# LEGENDS SHEET

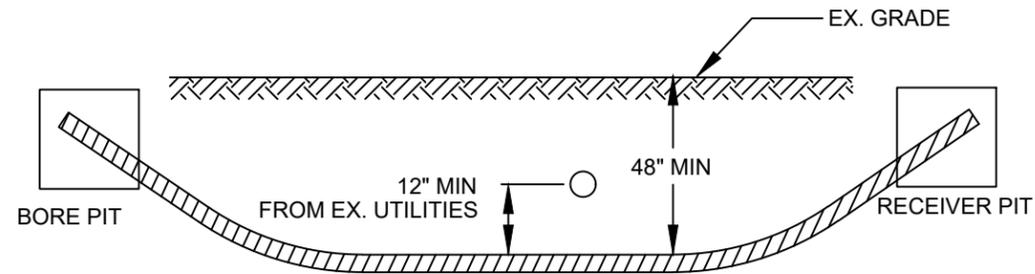
## EXISTING EQUIPMENTS LEGENDS

 R/W	R/W	 CABINET	 ELECTRIC TRANSFORMER	 GAS METER	 CULVERT
 C/L	CENTER LINE	 EXISTING PED	 ELECTRIC METER	 GAS VALVE	 C/L MONUMENT
 EOP	EOP	 EXISTING FLOWERPOT	 ELECTRIC VAULT/HANDHOLE	 SEWER MANHOLE	 ANCHOR & DOWN GUY
 BOC	BOC	 EXISTING HANDHOLE	 ELECTRIC MANHOLE	 UNKNOWN MANHOLE	
 PROPERTY LINE	PROPERTY LINE	 TELEPHONE CABINET	 EXISTING VAULT	 WATER METER	
 FENCE	FENCE	 TELEPHONE MANHOLE	 STREETLIGHT	 WATER VALVE	
 T	TELCO	 CABLE MARKER	 POWER PED	 FIRE HYDRANT	
 E	ELECTRIC	 STREET SIGN	 CATV PED	 WATER MANHOLE	
 G	GAS	 VERTICAL GROUND	 CATV VAULT/HANDHOLE	 STORM DRAIN CATCH BASIN	
 TS	TRAFFIC SIGNAL	 ELECTRIC PEDESTAL/CABINET	 TREE	 STORM DRAIN MANHOLE	
 W	WATER		 TRANSFORMER		
 S	SEWER				
 SD	STORM DRAIN				
 U/E	UTILITY EASEMENT				
 RAIL TRACKS	RAIL TRACKS				
 SIDEWALK	SIDEWALK				

## PROPOSED EQUIPMENTS LEGENDS

 BORE	BORE	 12"X24"X18" HANDHOLE
 TRENCH	TRENCH	 17"X30"X18" HANDHOLE
 A	AERIAL FIBER	 24"X36"X24" HANDHOLE
 AERIAL STRAND	AERIAL STRAND	 36"X48"X30" HANDHOLE
		 ANCHOR & DOWN GUY

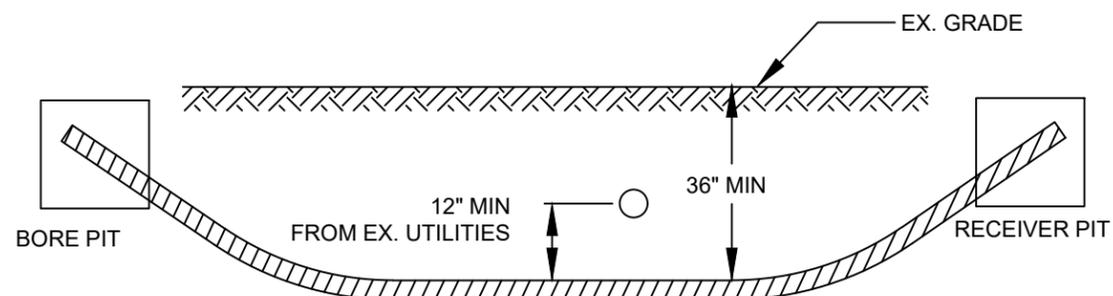
MINIMUM STANDARDS FOR DIRECTIONAL BORING  
STREET CROSSINGS



- PLACE END MARKER WITH UTILITY OWNER'S NAME DESCRIBING CONDUIT
- BORE PIT TO BE BACKFILLED AND COMPACTED IN 12" LIFTS WITH MATERIAL REMOVED
- FLOW OF DITCH MUST BE MAINTAINED AT ALL TIMES
- PROTECT ROOTS AT ALL TREE LOCATIONS, SHIFT BORE TRENCH IF NECESSARY

**TYPICAL BORE DETAILS 1**

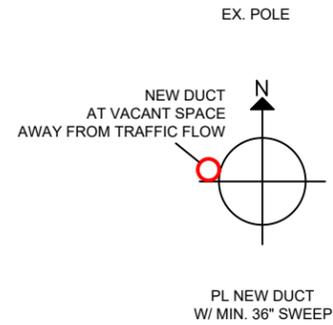
MINIMUM STANDARDS FOR DIRECTIONAL BORING  
UNDER SIDEWALKS & WITHIN ROW (EXCLUDING STREET CROSSINGS)



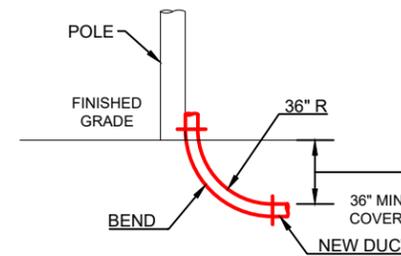
- PLACE END MARKER WITH UTILITY OWNER'S NAME DESCRIBING CONDUIT
- BORE PIT TO BE BACKFILLED AND COMPACTED IN 12" LIFTS WITH MATERIAL REMOVED
- FLOW OF DITCH MUST BE MAINTAINED AT ALL TIMES
- PROTECT ROOTS AT ALL TREE LOCATIONS, SHIFT BORE TRENCH IF NECESSARY

**TYPICAL BORE DETAILS 2**

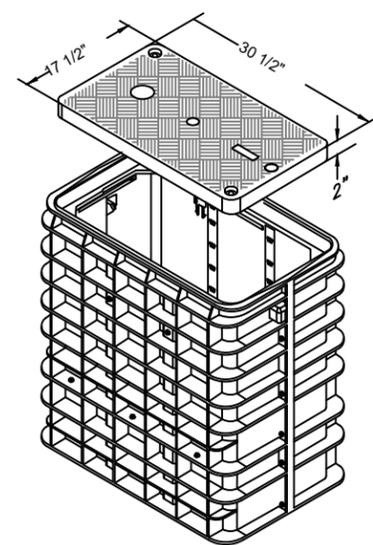
PLAN VIEW



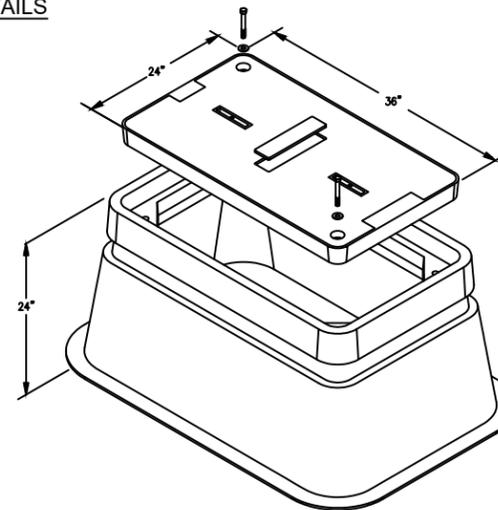
ELEVATION



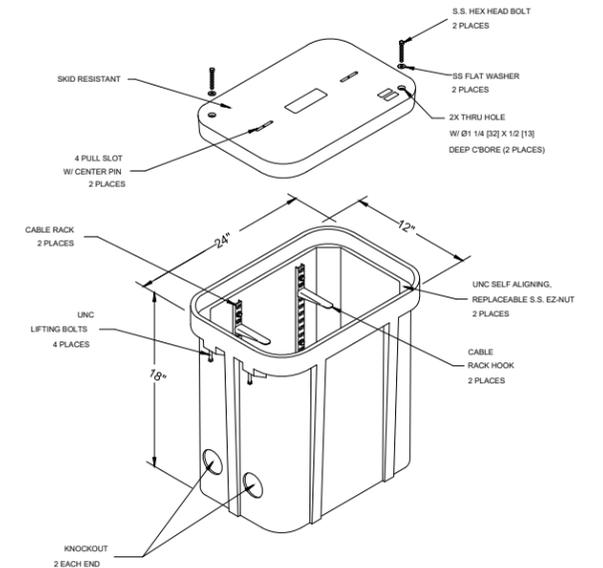
RISER DETAILS



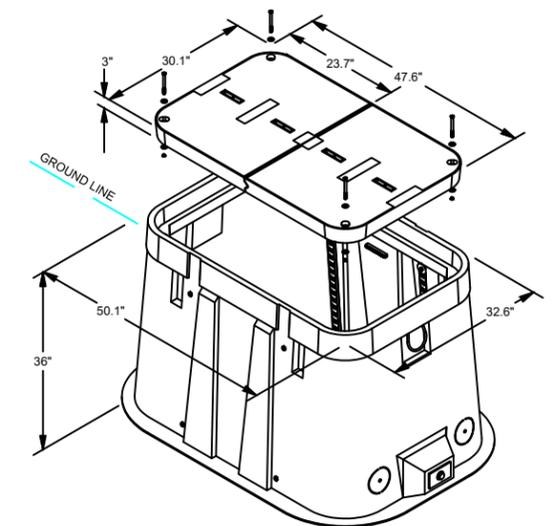
**17"x30"x18"**  
N.T.S.



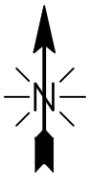
**24"x36"x24"**  
N.T.S.



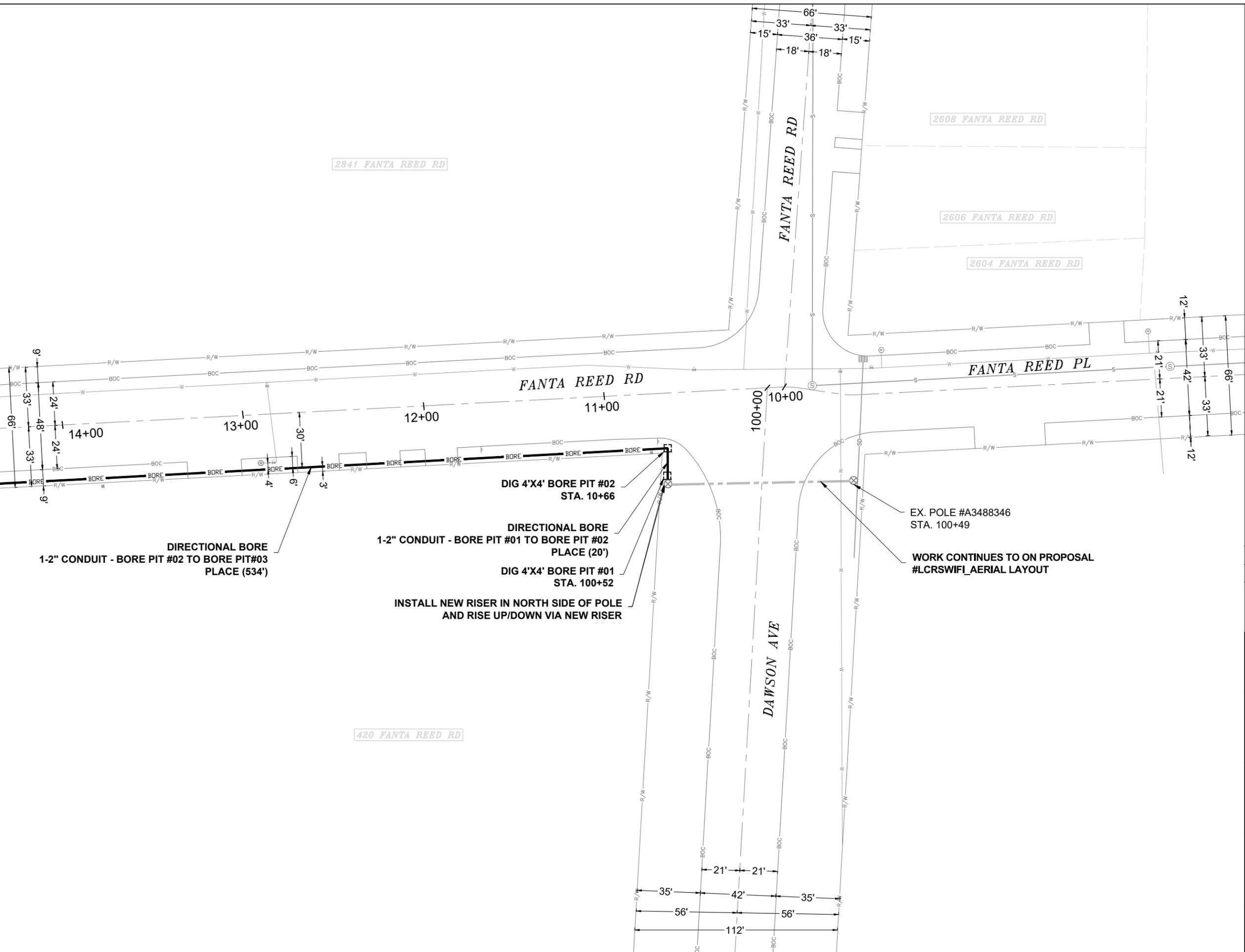
**12"x24"x18"**  
N.T.S.



**30"x48"x36"**  
N.T.S.



MATCH TO SHEET 06



**DIRECTIONAL BORE**  
1-2" CONDUIT - BORE PIT #02 TO BORE PIT#03  
PLACE (534')

**DIRECTIONAL BORE**  
1-2" CONDUIT - BORE PIT #01 TO BORE PIT #02  
PLACE (20')

**DIG 4'X4' BORE PIT #01**  
STA. 100+52

**DIG 4'X4' BORE PIT #02**  
STA. 10+66

**INSTALL NEW RISER IN NORTH SIDE OF POLE**  
**AND RISE UP/DOWN VIA NEW RISER**

EX. POLE #A3488346  
STA. 100+49

WORK CONTINUES TO ON PROPOSAL  
#LCRSWIFI\_AERIAL LAYOUT

**EXCAVATION DATA**

PROPOSED UTILITY	DIRT
(2) 4'X4' BORE PIT	32 SQFT

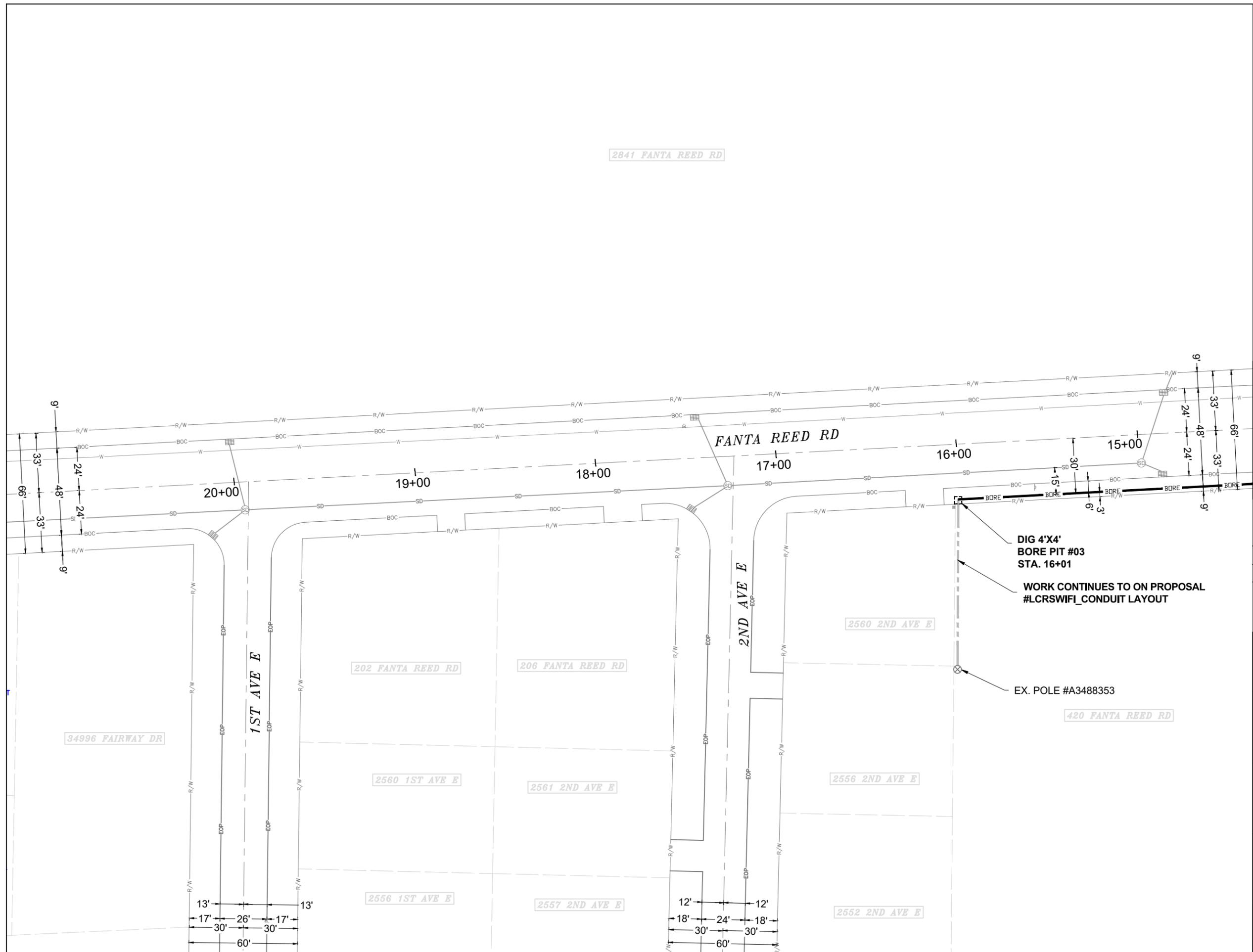
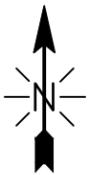
CALL 811 BEFORE YOU DIG.  
WISCONSIN TOLL FREE  
800-242-8511



**CONFIDENTIAL AND PROPRIETARY**  
**LCRSWIFI**

**05 OF 06**

SCALE: 1" = 50'



MATCH TO SHEET 05

**EXCAVATION DATA**

PROPOSED UTILITY	DIRT
(1) 4'X4' BORE PIT	16 SQFT

CALL 811 BEFORE YOU DIG.  
WISCONSIN TOLL FREE  
800-242-8511



**CONFIDENTIAL AND PROPRIETARY**  
**LCRSWIFI**

**06 OF 06**

SCALE: 1" = 50'