



## 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

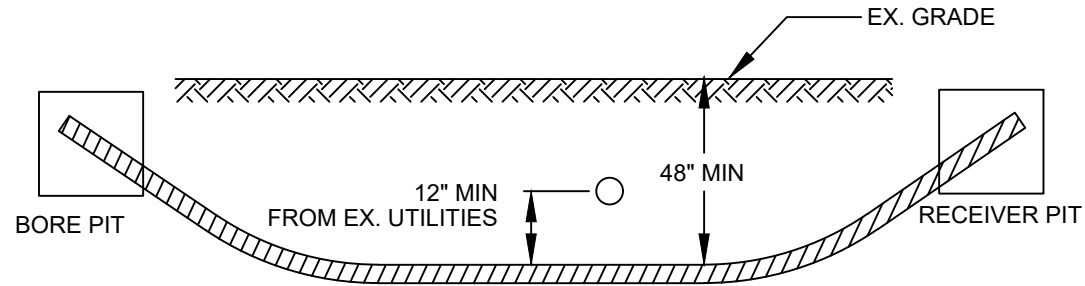
## EXISTING EQUIPMENTS LEGENDS

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	TELEPHONE CABINET	EXISTING VAULT	WATER METER	
	FENCE	TELEPHONE MANHOLE	STREETLIGHT	WATER VALVE	
T	TELCO	POLE	POWER PED	FIRE HYDRANT	
E	ELECTRIC	CABLE MARKER	CATV PED	WATER MANHOLE	
G	GAS	STREET SIGN	CATV VAULT/HANDHOLE	STORM DRAIN CATCH BASIN	
TS	TRAFFIC SIGNAL	VERTICAL GROUND	TREE	STORM DRAIN MANHOLE	
W	WATER	ELECTRIC PEDESTAL/CABINET	TRANSFORMER		
S	SEWER				
SD	STORM DRAIN				
U/E	UTILITY EASEMENT				
	RAIL TRACKS				
	SIDEWALK				

## PROPOSED EQUIPMENTS LEGENDS

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

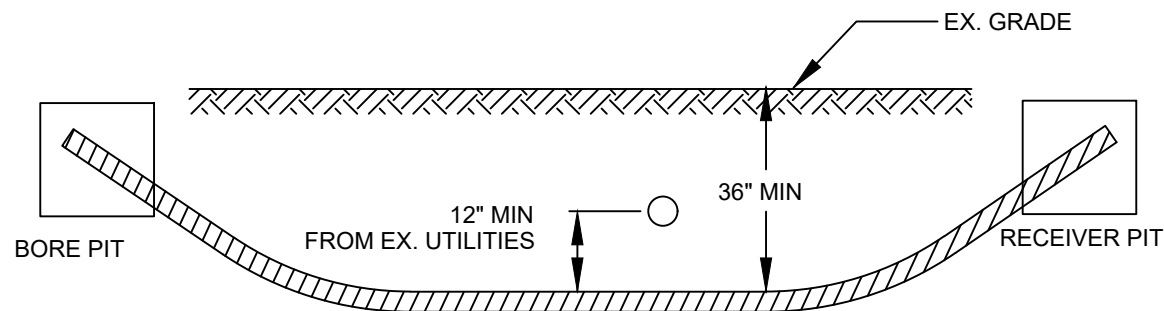
**MINIMUM STANDARDS FOR DIRECTIONAL BORING  
STREET CROSSINGS**



- 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**

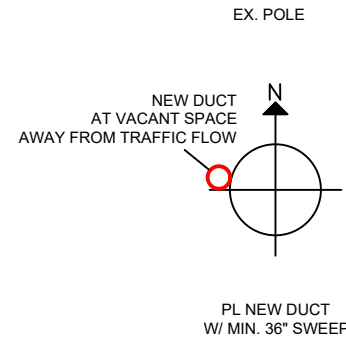
**MINIMUM STANDARDS FOR DIRECTIONAL BORING  
UNDER SIDEWALKS & WITHIN ROW (EXCLUDING STREET CROSSINGS)**



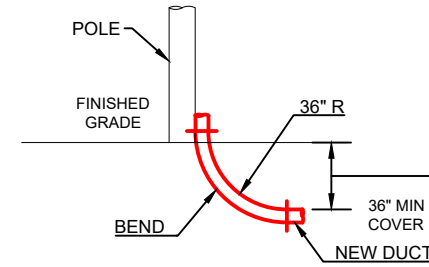
- PLACE END MARKER WITH UTILITY OWNER'S NAME DESCRIBING CONDUIT
- BORE PIT TO BE BACKFILLED AND COMPACTED IN 12" LIFTS WITH MATERIAL REMOVED
- FLOW OF DITCH MUST BE MAINTAINED AT ALL TIMES
- PROTECT ROOTS AT ALL TREE LOCATIONS, SHIFT BORE TRENCH IF NECESSARY

**TYPICAL BORE DETAILS 2**

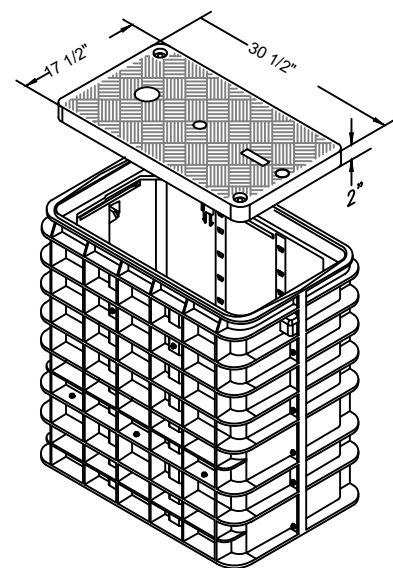
**PLAN VIEW**



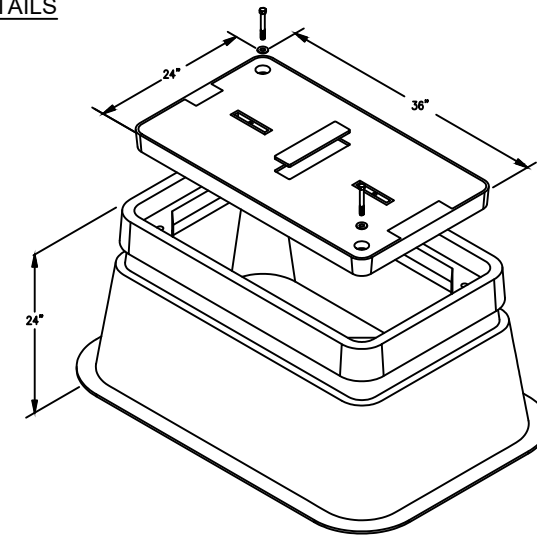
**ELEVATION**



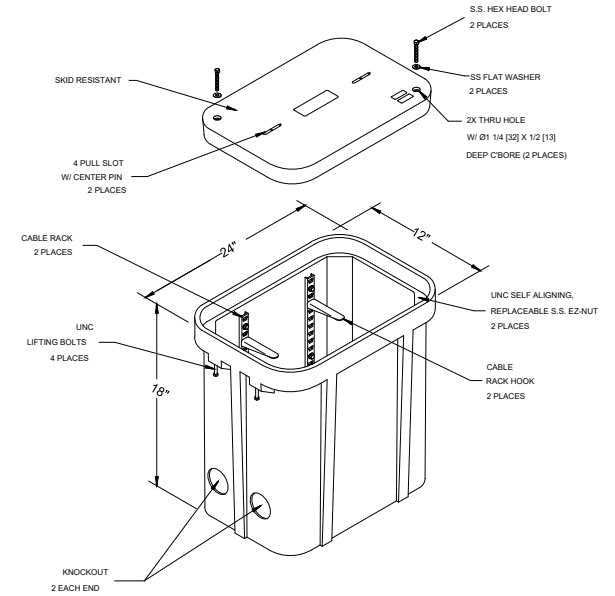
**RISER DETAILS**



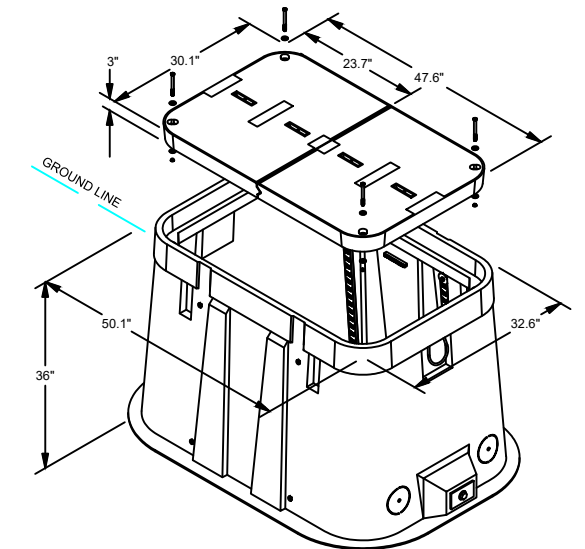
**17"x30"x18"**  
N.T.S.



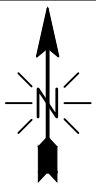
**24"x36"x24"**  
N.T.S.



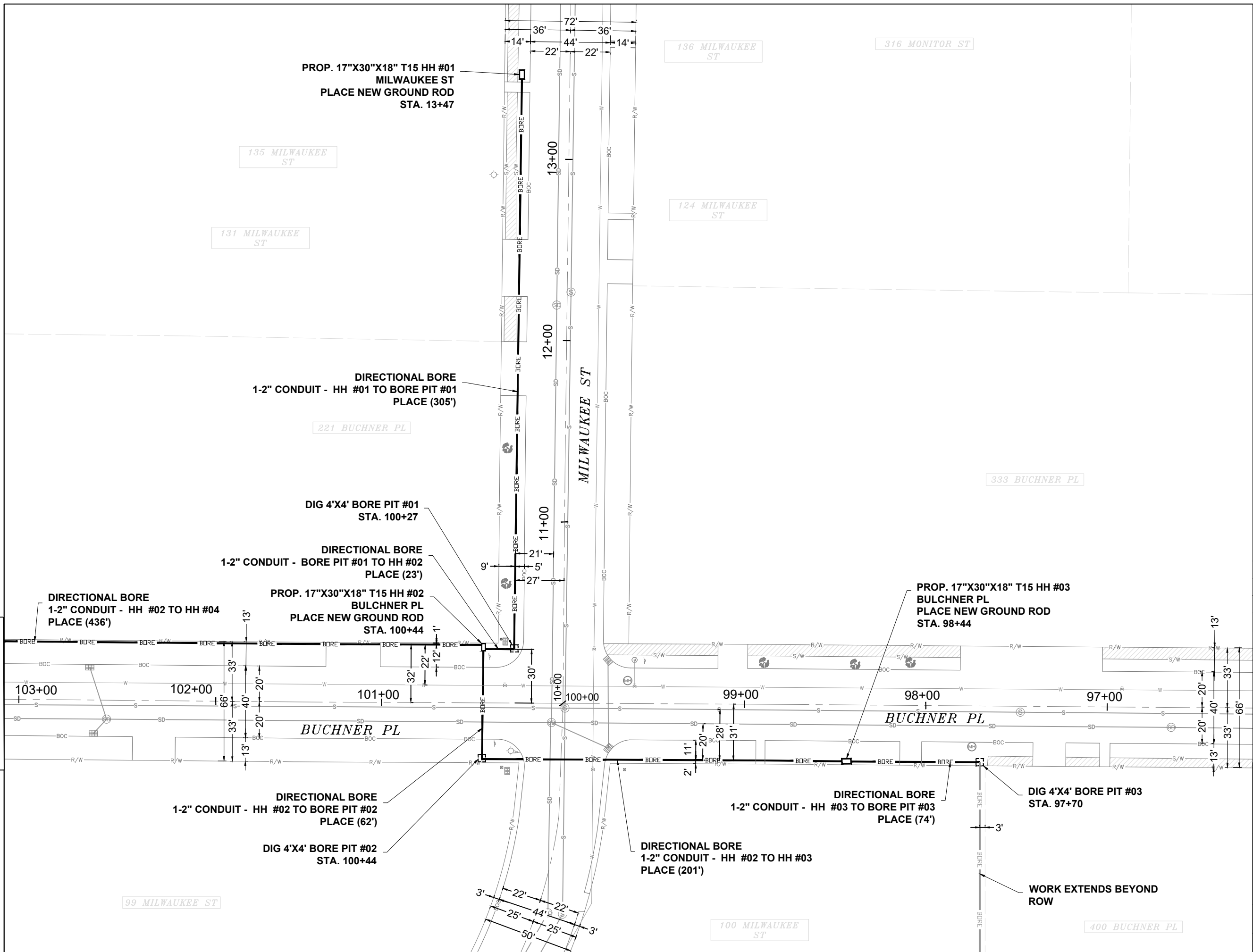
**12"x24"x18"**  
N.T.S.



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



MATCH TO SHEET 06



**EXCAVATION DATA**

PROPOSED UTILITY	DIRT
(3) 4'X4' BORE PIT	48 SQFT
(3) 17"X30"X18"	10.62 SQFT

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

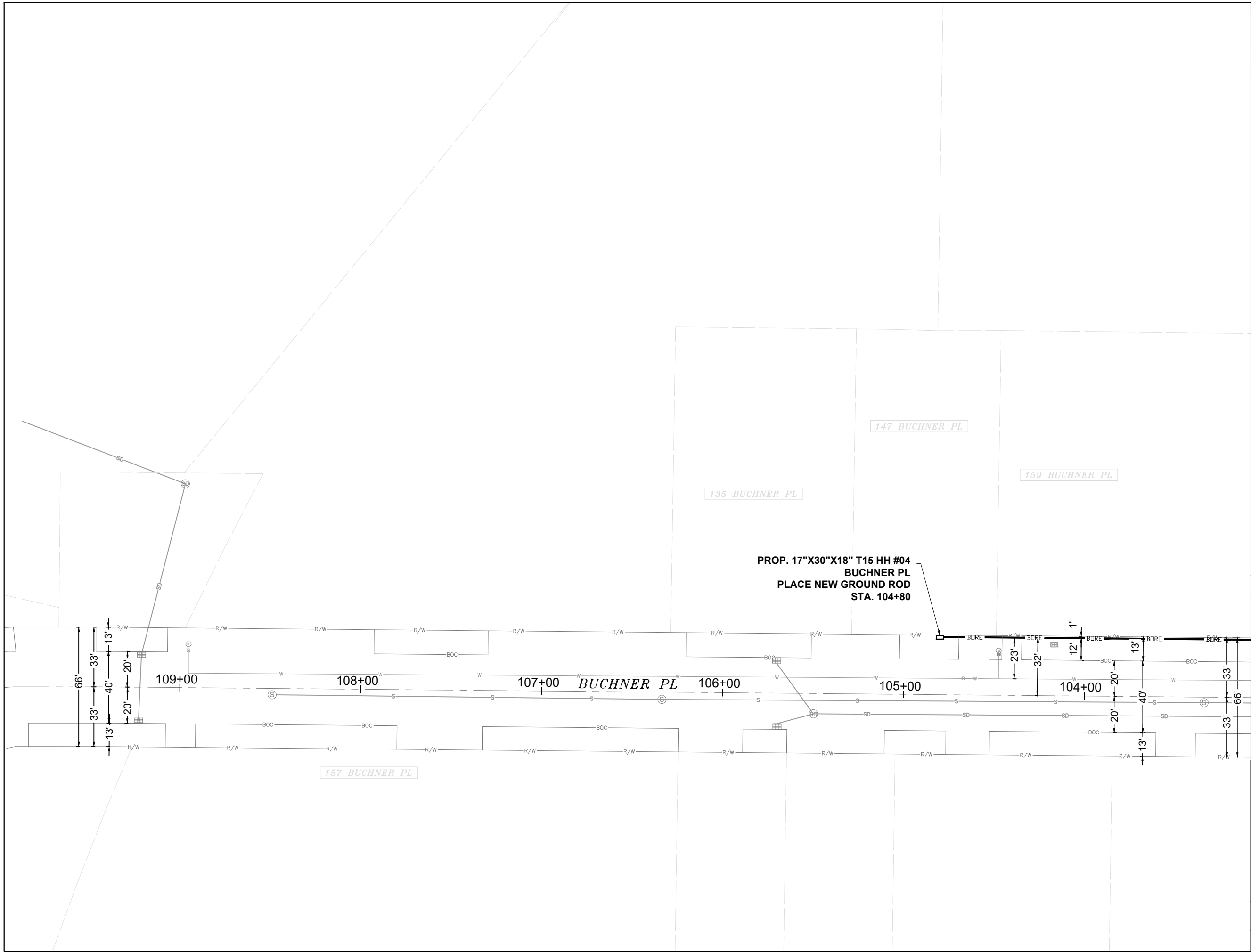
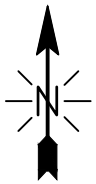


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**LCRSWIXC**

**05 OF 06**

SCALE: 1" = 50'

WORK EXTENDS BEYOND ROW



MATCH TO SHEET 05

**EXCAVATION DATA**

PROPOSED UTILITY	DIRT
(1) 17"X30"X18"	3.54 SQFT

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



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**06 OF 06**

SCALE: 1" = 50'