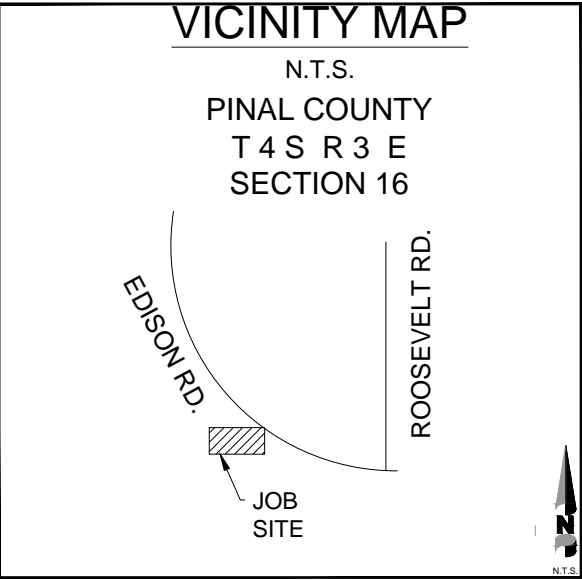


<b>TOTAL CONDUIT</b>	
PRI-2.5"-	SVC-2.5"-
PRI-3"- 2142'	SVC-3"-
PRI-4"-	SVC-4"- 140'
PRI-5"-	SL-2.5"-

<b>COMM. TOTAL WIRE</b>	
750 FDR-	0
2/0 PRI-	0
1/0 PRI-	1755'
500 QUAD-	164'

<b>RES. TOTAL WIRE</b>	
1/0 PRI-	
350 TRI-	
4/0 TRI-	
2/0 TRI-	



**GENERAL CONSTRUCTION NOTES**

**CUSTOMER TO PROVIDE & INSTALL:**  
 CUSTOMER WILL BE RESPONSIBLE FOR TRENCHING AND INSTALLATION OF CONDUIT. ALL CONDUIT INSTALLED MUST BE SCH40 - UL 90°C.

AN INSPECTION OF THE TRENCH AND CONDUIT WILL BE REQUIRED PRIOR TO BACKFILLING. IF TRENCH DOES NOT MEET ED3'S MINIMUM TRENCH DEPTH, IT SHALL BE EXCAVATED TO PROPER DEPTH. REFER TO TRENCH SPEC. IF CONDUIT IS ANYTHING OTHER THAN SCH40, IT SHALL BE REMOVED AND REPLACED WITH THE REQUIRED CONDUIT.

**CONTACT ED3 AT 520-631-9281 WITH 24 HOURS NOTICE FOR INSPECTION.**



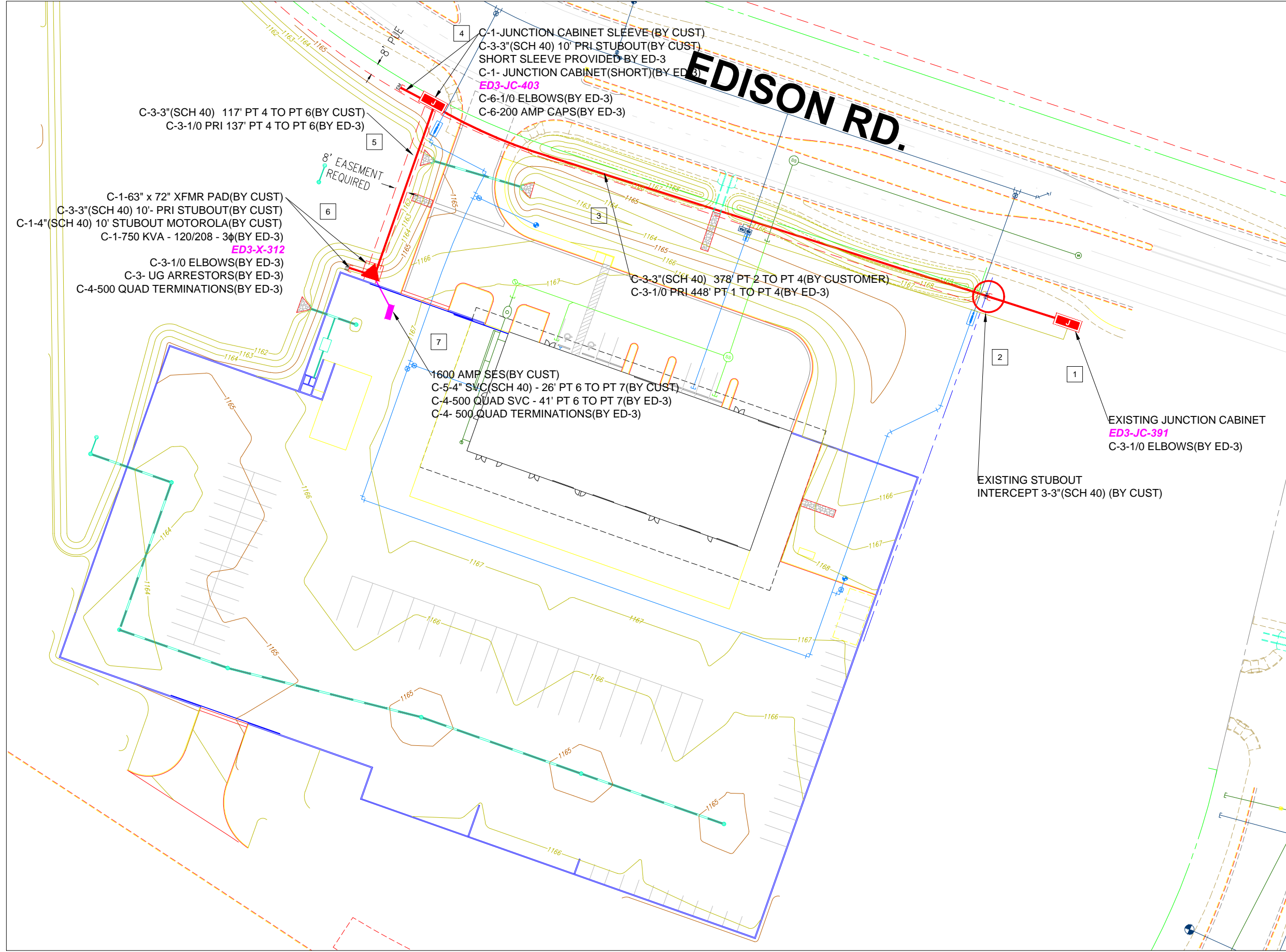
**COMPACTION NOTE:**  
 UNLESS OTHERWISE SPECIFIED, ALL FILL BELOW AND AROUND ELECTRIC UTILITY FIXTURE FOUNDATION PADS SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY (AT OR NEAR OPTIMUM MOISTURE CONTENT). 1/2-SACK LEAN MIX SLURRY BACKFILL MAY BE PLACED IN LIEU OF COMPACTED BACKFILL.

DATE	DESCRIPTION	POINT #'S	INITIAL

DATE STARTED: \_\_\_\_\_ DATE FINISHED: \_\_\_\_\_

	JOB 282 COM - PUBLIC WORKS
	<b>COVER</b>

WO#:	DATE: 2-26-15
DWG BY: SK	SCALE: NTS
APPRD BY: LARRY YATES	PHONE: 520-251-0716
FILENAME:	SHEET 1 OF 3



**LEGEND**

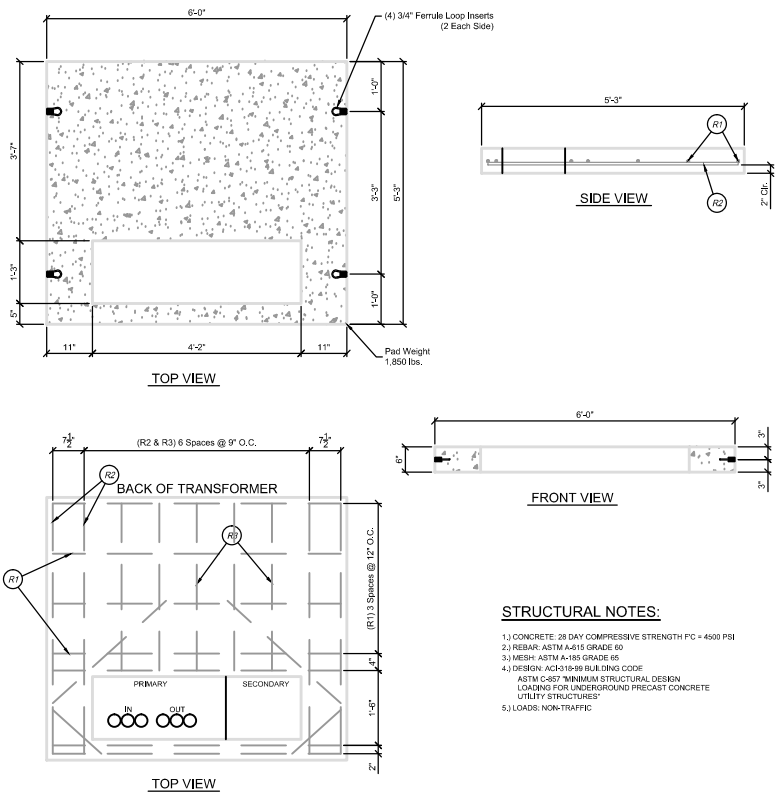
STREET LIGHT	
OVERHEAD SERVICE WIRE	
UNDERGROUND SERVICE	
STREET LIGHT SERVICE	
UNDERGROUND PRIMARY	
OVERHEAD PRIMARY	
SINGLE PHASE TRANSFORMER	
THREE PHASE TRANSFORMER	
200A JUNCTION CAB	
SWITCH CABINET	
CAPACITOR	
STREET LIGHT J-BOX	
J-BOX	
CUSTOMER SERVICE	
WOOD POLE	
POLE WITH RISER	
STEEL POLE	
DOWN-GUY	
POLE MOUNT XFMR	
T-TAP	
C-CONSTRUCT	
R-REMOVE	
E-EXISTING	



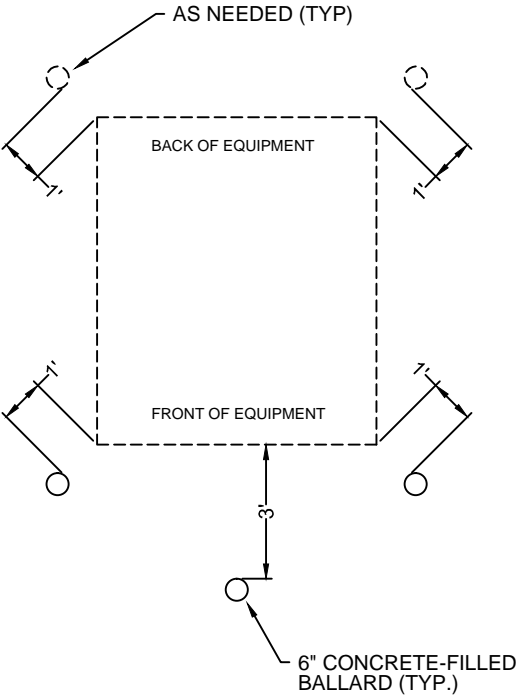
JOB 282  
 COM - PUBLIC WORKS

**MAINLINE**

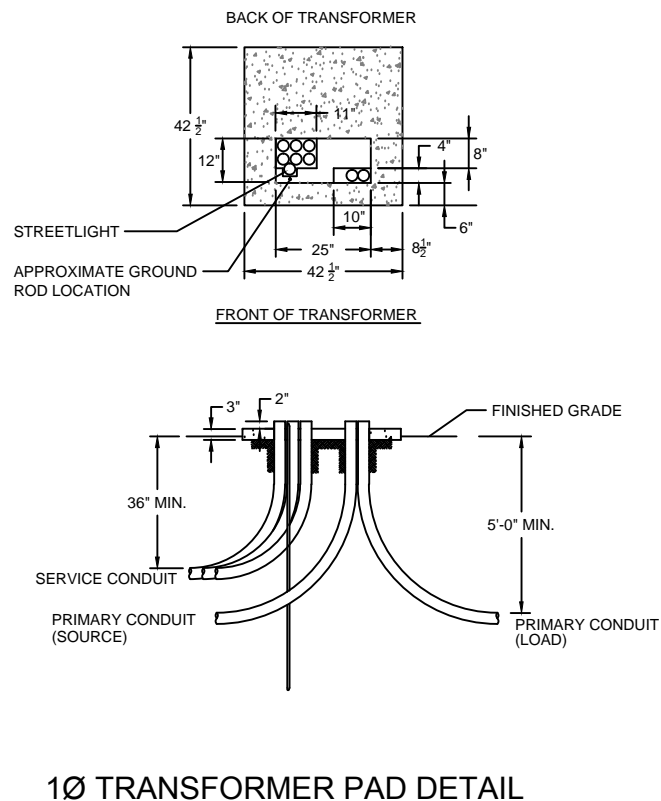
WO#:	DATE: 4-23-15
DWG BY: SK	SCALE: NTS
APPRD BY: LARRY YATES	PHONE: 520-251-0716
FILENAME:	SHEET 2 OF 3



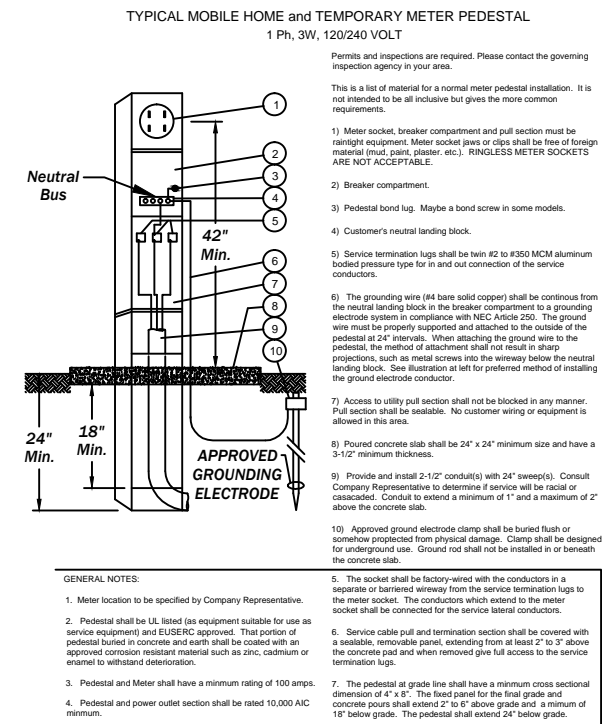
**3Ø TRANSFORMER PAD - 63" x 72"**



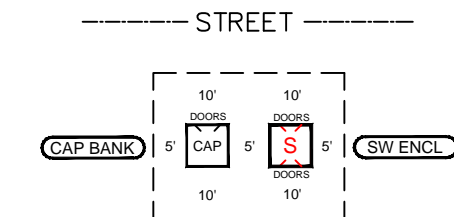
**8-32 BALLARD DETAIL**



**1Ø TRANSFORMER PAD DETAIL**

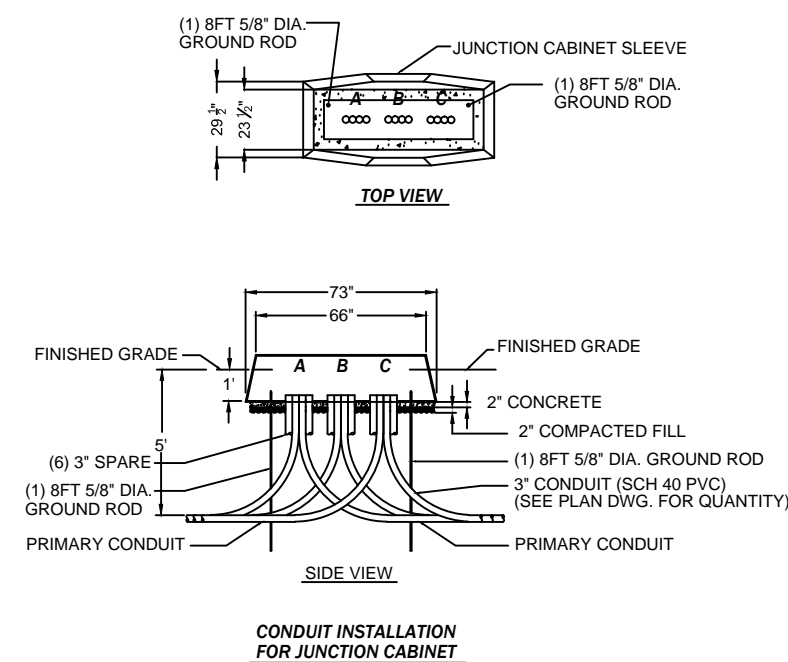


**MINIMUM SAFETY WORKING CLEARANCES**



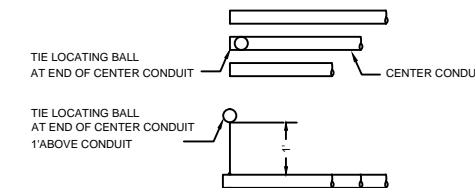
**NOTES:**  
1. WORKING AREA WILL BE FLAT AND LEVEL. NO RIVER ROCK, SHRUBS OR TREES/CACTUS, SPRINKLERS, OR GRASS.

**8-30 WORKING CLEARANCES**



**8-25 CONDUIT INSTALLATION FOR 3Ø 200A JUNCTION CABINET**

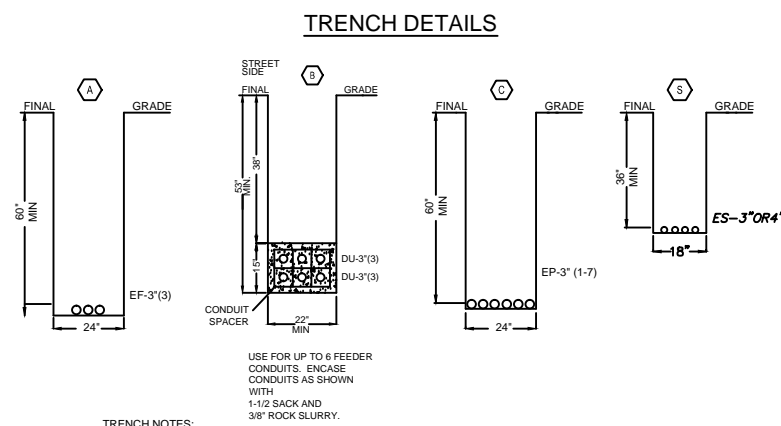
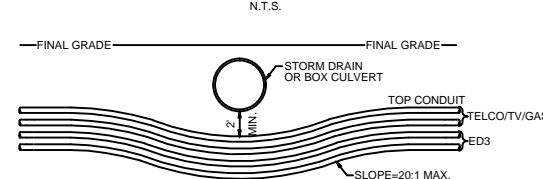
**CONDUIT LOCATING BALL INSTALLATION**



**NOTES:**  
1. LOCATING BALL CAN NOT BE DEEPER THAN 5" FROM FINISHED GRADE.  
2. IF THE CONDUIT IS 6" DEEP OR DEEPER, THE LOCATING BALL WILL HAVE TO BE RAISED UP TO A MAXIMUM OF 5" DEEP.

**8-44 CONDUIT LOCATING BALL INSTALLATION**

**TYPICAL STORM DRAIN OR CULVERT DETAIL**



**TRENCH NOTES:**

1. CUSTOMER TO INSTALL ED3 PROVIDED ELECTRONIC MARKERS AT ALL CONDUIT STUBOUTS.
2. ALL CONDUIT INSTALLED MUST BE UL SCHEDULE 40-90°C CONDUIT
3. ALL VERTICAL DIMENSIONS ARE TO TOP OF CONDUIT. DEPTHS TO BE ADJUSTED ACCORDINGLY FOR INSTALLATION OF CORRECT NUMBER OF CONDUITS.
4. ALL ELBOWS TO BE SCHEDULE 40 PVC ALL RADIUS TO BE MIN OF 36 WITH THE EXCEPTION OF WALL MOUNTED SERVICE RISERS WHICH NEED TO BE RIGID STEEL CONDUIT.
5. DUCT BANK SPACERS TO BE INSTALLED EVERY SIX FEET IN TRENCH.
6. INDIVIDUAL CONDUITS ARE NOT TO BE ENCRICLED WITH STEEL SUCH AS WIRE OR REBAR DUE TO EXCESSIVE HEATING THAT WILL OCCUR.

		<b>JOB 282</b> <b>COM - PUBLIC WORKS</b>	
<b>DETAILS</b>		<b>DATE: 2-26-15</b>	
<b>WOP#:</b>	<b>DATE:</b>	<b>SCALE:</b> NTS	
<b>DWG BY:</b> SK	<b>APPR BY:</b> LARRY YATES	<b>PHONE:</b> 520-251-0718	
<b>FILENAME:</b>	<b>SHEET</b> 3 OF 3		