

**CONSTRUCTION NOTES**

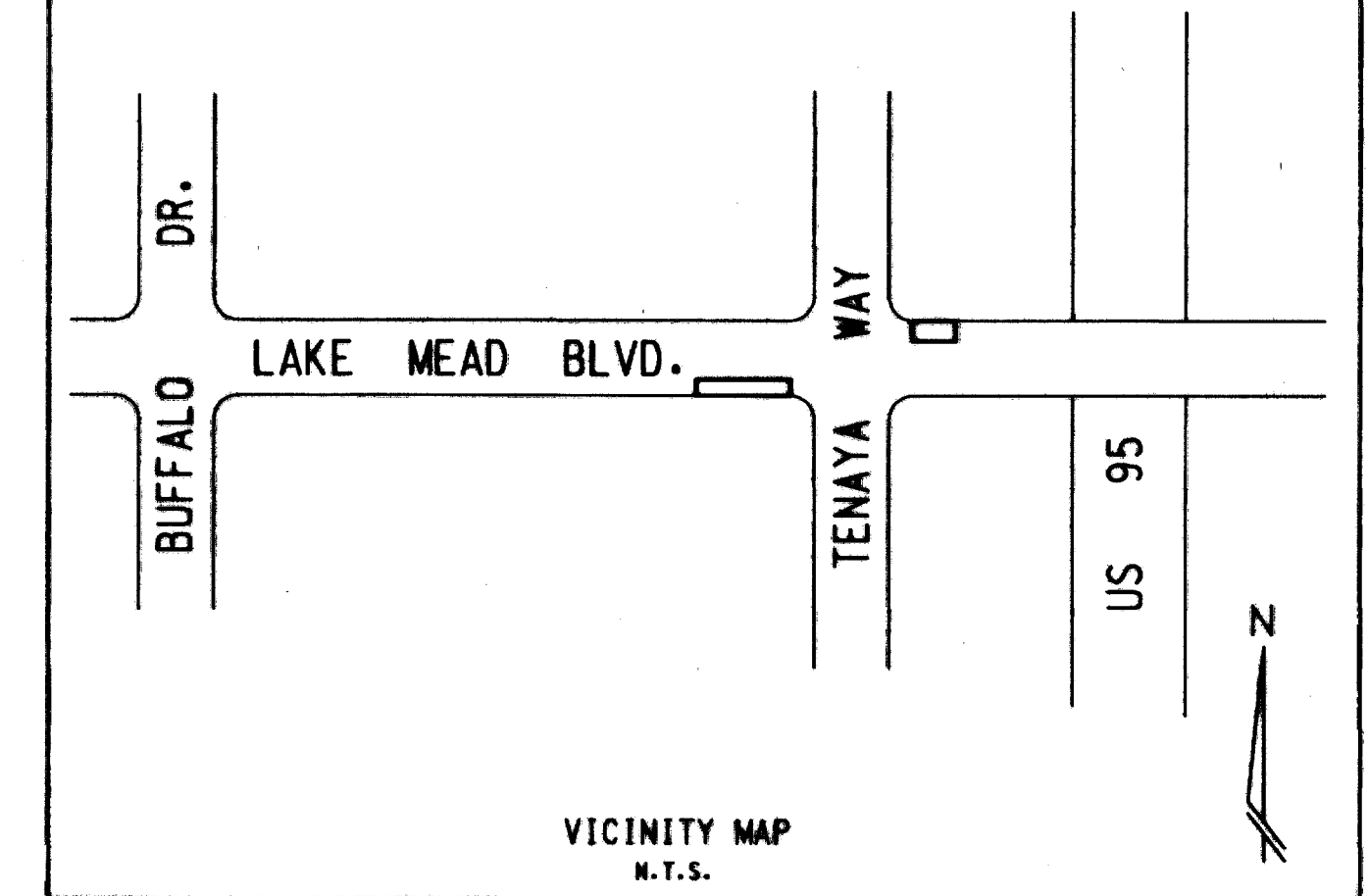
**SAFETY FIRST - APPLIES TO ALL PHASES OF THIS PROJECT.**

1. ALL CONSTRUCTION TO CONFORM TO CURRENT SPRINT UNDERGROUND SPECIFICATIONS.
2. THIS DRAWING SHOWS EXISTING FOREIGN UTILITIES. THE CONTRACTOR SHALL DETERMINE TO HIS SATISFACTION THE ACTUAL POSITION AND DEPTH OF EXISTING UTILITIES AND PROVIDE FOR THEIR INTERFERENCE DURING THE TIME OF THE ORIGINAL BID AS HE WILL ASSUME THIS LIABILITY DURING THE PERFORMANCE OF THIS WORK.
3. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR THE COMPLETION OF THIS WORK.
4. THE CONTRACTOR SHALL REMOVE, REPLACE AND/OR RELOCATE ANY SURFACE OR SUBSURFACE OBSTRUCTIONS AS REQUIRED AT HIS EXPENSE. (I.E. CURB, GUTTER, ASPHALT, CONCRETE, UTILITIES, etc.) CALL 244-7811 FOR INSPECTION 24 HOURS PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL INSTALL A TAPERED POLYETHYLENE DUCT PLUG WITH PULL STRING TAB IN ALL CONDUIT, TERMINATED OR CAPPED ASSOCIATED WITH THIS PROJECT.
7. THE CONTRACTOR SHALL PROVIDE AND INSTALL A WATERPROOF-400 LB TENSILE STRENGTH MEASURING TAPE MARKED IN ONE FOOT INCREMENTS, IN AT LEAST ONE DUCT OF EACH CONDUIT SECTION. ALL OTHER CONDUIT IN A MULTIPLE DUCT SYSTEM SHALL HAVE A 3/32 OF AN INCH JETLINE PULL STRING WITH 400LB TENSILE STRENGTH.
8. ALL TRENCHING SHALL BE OF A MINIMUM DEPTH TO MAINTAIN A MINIMUM 36 INCH COVER OVER ALL FACILITIES AND 12 INCH MINIMUM SEPARATION FROM FOREIGN UTILITIES. COMPACT ALL BACKFILL TO 95% AND COMPLY TO ALL CITY OF LAS VEGAS REQUIREMENTS.
9. AN APPROVED SAND ENVELOPE SHALL BE INSTALLED AROUND ALL CONDUIT PRIOR TO BACK FILLING (UNLESS ENCASED).
10. CONTRACTOR SHALL PROVE AND MANOREL ALL CONDUIT IN THE PRESENCE OF A SPRINT CONDUIT INSPECTOR.
11. THE CONTRACTOR WILL BE RESPONSIBLE TO RESTORE THE WORK AREA BACK TO THE ORIGINAL CONDITION OR BETTER UPON COMPLETION OF THIS PROJECT.
12. ALL CONDUIT SHALL BE DB-100 OR APPROVED EQUAL PER A.S.T.M SPECIFICATIONS AND JOINED USING AN APPROVED CONTACT CEMENT WITH SURFACE PRIMER.
13. ALL CONDUIT SWEEPS WITH A RADIAL BEND LESS THAN FORTY FEET SHALL BE FACTORY FORMED UNLESS OTHERWISE SPECIFIED.
14. ALL CONDUIT SPLAYS WILL BE MINIMUM 30 FEET IN LENGTH UNLESS SPECIFIED.
15. AS-BUILT FOOTAGE'S OF ALL CONDUIT PLACED BY CONTRACTOR MUST BE RECEIVED BY SPRINT PRIOR TO PLACING OF CABLE AND FINAL PAYMENT.
16. THE CONTRACTOR WILL VERIFY THE TRENCH BACKFILL AND PAVING REQUIREMENTS BY THE CITY OF LAS VEGAS PRIOR TO BID SUBMITTAL AND INCLUDE THESE COST IN THEIR BID.
17. ANY NOTES LOCATED IN DRAWING AREA TAKE PRECEDENCE OVER STANDARD NOTES.
18. CALL SPRINT INSPECTION: 24 HRS. PRIOR TO CONSTRUCTION.

**BID ITEMS:**

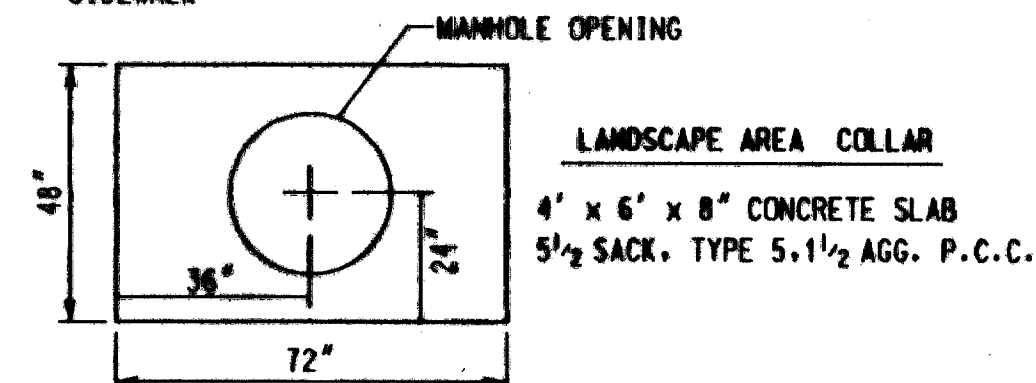
**QUANTITIES**

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>① 4-4" PVC CONDUIT: DB-100 CLASS.</li> <li>② 2-4" BEND: RGS. 48" RADIUS, 90° DEGREE</li> <li>③ 510 MANHOLE<br/>8'6" X 4' X 7', EQUIPPED WITH 8-47 HOLE CABLE RACKS, THREE (3) EACH SIDE, ONE (1) EACH END, ONE (1) LADDER, THREE FOOT (3) NECK, MINIMUM. PLACE CONCRETE LANDSCAPE COLLAR PER SPRINT SPECIFICATIONS. THE MANHOLE OPENING IS TO BE IN THE CENTER OF MANHOLE UNLESS OTHERWISE SPECIFIED.</li> <li>④ (RM. 400 (TYPE) SPLICE BOX<br/>(3' X 5' X 4" E/W PARKWAY LID. '92')</li> <li>⑤ CROSS-CONNECT, CONCRETE POURED PAD.<br/>THE ASSOCIATED EQUIPMENT SHALL REFERENCE W.A. 24180979.</li> <li>⑥ (RM. EX. BTS 4200-D-MB-3) '98'<br/>(PRE-FAB PAD, 24116123)</li> </ol> | <p>152' L.F.</p> <p>8 EA.</p> <p>1 EA.</p> <p>(1 EA.)</p> <p>1 EA.</p> <p>(1 EA.)</p> |
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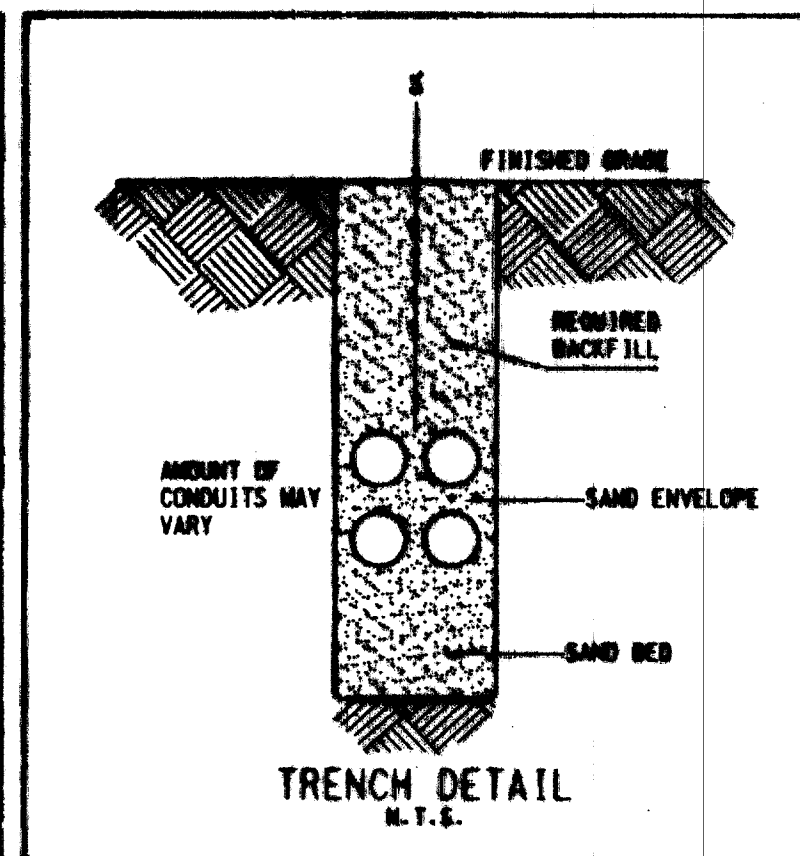
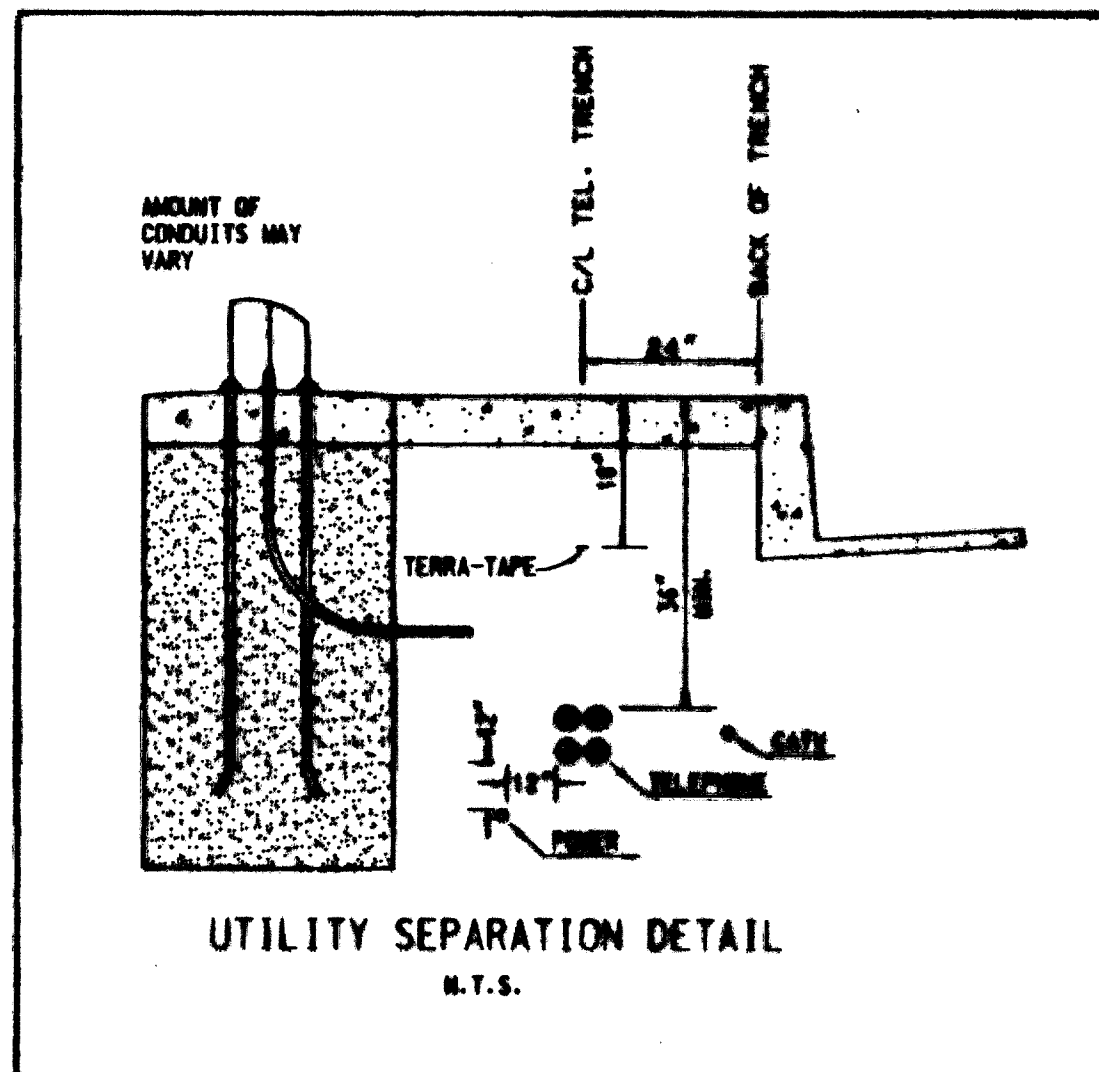
**NOTE "A"**

A 4' x 6' x 8" COLLAR MUST BE INSTALLED AROUND MANHOLE OPENINGS WHEN MANHOLES ARE NOT LOCATED WITHIN A CONCRETE SIDEWALK



**LEGEND**

PROPOSED		EXISTING	
—	CONDUIT	—	PROPOSED P.V.C. - D.B. (DIRECT BURIAL) GRADE 90 SWEEPS - SCHEDULE 40 (TYPICAL) OR RIGID GALVANIZED STEEL (AS SHOWN) SEE BID ITEM.
⊗	MANHOLE	⊗	PROPOSED MANHOLE, SIZE VARIES, SEE BID ITEM.
□	PULL BOX	□	PROPOSED PULLBOX, SIZE VARIES, SEE BID ITEM
□	PULL BOX	□	17"x30" TYPICAL
⊕	CONDUIT STUB	⊕	



**SPRINT PROPRIETARY**  
CONSTRUCTION PERMIT REQUIRED BY CONTRACTOR

*Steve Smith*  
REVIEWED BY CITY OF LAS VEGAS:

8/24/04  
DATE:

*Joyce Arevalo*  
REVIEWED BY CABLE ENGINEER:  
REFERENCE CABLE WORK ACTIVITY:

8-23-04  
DATE:

NO.	REVISION	ENGR.	DATE
1	UNDERGROUND CONDUIT	STEVE SMITH	24180979
2	MANDATE REQUIREMENT	244-7290	
3	LAKE MEAD IMPROVEMENTS	STEVE SMITH	11.25.03
4	LAKE MEAD BL. AND TENAYA WAY	1" = 40'	SHEET 1 OF 2

**DRAFTING/POSTING NOTE.**  
INDICATE ALL P.U.E. AND DEDICATION INFORMATION ON PLATS.

**NOTE:**  
SPRINT INSPECTOR IS TO UTILIZE (4C) CODE FOR TIME PURPOSES.

**CONTRACTOR NOTE:**  
AFTER FINAL INSPECTION BY OUR INSPECTOR, RETURN ONE DRAWING WITH ACTUAL MEASUREMENTS AND ANY CHANGES SHOWN IN RED ALONG WITH THE INVOICE TO STEPHEN SMITH. THIS PROCEDURE WILL EXPEDITE PAYMENT

**Call before you Dig.**  
1-800-227-2600