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UNDERGROUND SERVICE ALERT USA

**GENERAL CIVIL NOTES**

**GENERAL SPECIFICATIONS**

ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF LAS VEGAS REQUIREMENTS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION, CLARK COUNTY, NEVADA, AND THESE NOTES AND JOB SPECIFICATIONS.

**GENERAL REQUIREMENTS**

1. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK.
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL SITE CONDITIONS AND DIMENSIONS. HE SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT HIS WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
5. THE CONTRACTOR SHALL REMOVE AND REPLACE IN-KIND ALL PAVEMENT, CURBS, GUTTERS, LAWNS, WALLS, UNDERGROUND UTILITIES, PIPES, TUBS, ETC., WHICH HAVE BEEN DISTURBED, TO A CONDITION EQUAL TO THAT WHICH EXISTED BEFORE CONSTRUCTION WAS STARTED.
6. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE THE NOTES, DRAWINGS, AND/OR SPECIFICATIONS DIFFER, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

**EXISTING UTILITIES**

THE LOCATION OF THE EXISTING UTILITIES AND OTHER FEATURES ON THESE PLANS IS APPROXIMATE ONLY AND IS DERIVED FROM EXISTING PLANS. THE CONTRACTOR SHALL NOTIFY EACH RESPECTIVE UTILITY COMPANY FORTY-EIGHT (48) HOURS IN ADVANCE OF WORKING IN THE AREA OF THE UTILITY. THE ENGINEER ASSUMES NO LIABILITY FOR THEIR ACCURACY OR FOR ANY UTILITIES NOT SHOWN ON THE PLANS.

**BEGINNING CONSTRUCTION**

THE CITY OF LAS VEGAS SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS PRIOR TO THE BEGINNING OF THE ACTUAL CONSTRUCTION. LOCATION AND GRADE STAKES SHALL BE SET BY THE CONTRACTOR.

**RESTORATION OF EXISTING UTILITIES**

WHEREVER EXISTING POWER, TELEPHONE, GAS OR OTHER UTILITIES REQUIRE RELOCATION, THE WORK SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY COMPANY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITIES THAT ARE DAMAGED DURING CONSTRUCTION.

**PLUGS**

ANY PIPES NOT CONNECTED ON THIS PROJECT SHALL BE FILLED WITH APPROPRIATE PLUGS FASTENED IN THE APPROVED MANNER.

**SITE PREPARATION**

PRIOR TO PLACEMENT OF THE BASE MATERIAL, THE SITE SHOULD HAVE BEEN CLEARED OF ANY DEBRIS, VEGETATION AND OTHER DELETERIOUS MATTER. FOLLOWING REMOVAL OF FILL AND ANY SOFT, LOOSE OR DISTURBED SOIL, THE NATURAL SOILS AT SUBGRADE ELEVATION SHOULD BE SCARIFIED TO A DEPTH OF SIX INCHES, BROUGHT TO A MOISTURE CONTENT BETWEEN OPTIMUM AND 3 PERCENT ABOVE OPTIMUM, AND COMPACTED TO AT LEAST 90 PERCENT OF ASTM D1557.

**AGGREGATE BASE**

SHALL BE TYPE II AND COMPACTED TO AT LEAST 95 PERCENT OF ASTM D1557 AT NEAR OPTIMUM MOISTURE CONTENT.

**CONCRETE**

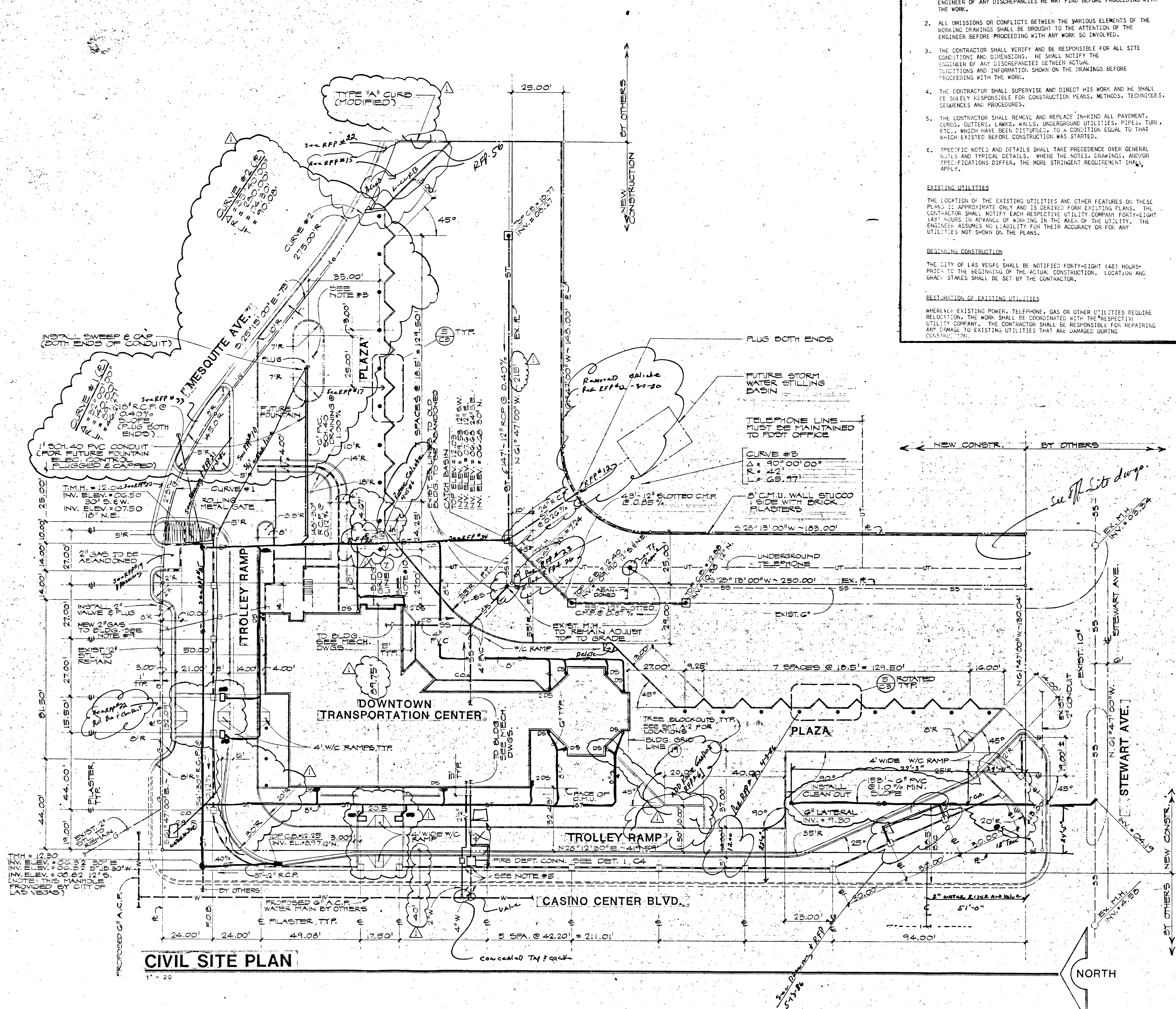
1. CONCRETE PAVEMENT SHALL HAVE A MINIMUM MODULUS OF RUPTURE OF 750 PSI.
2. ALL CONCRETE SHALL BE STONE CONCRETE UTILIZING AGGREGATE CONFORMING TO ASTM C33. CEMENT SHALL BE TYPE V CONFORMING TO ASTM C150.
3. ALL CONCRETE MIXES SHALL BE DESIGNED BY A CERTIFIED INDEPENDENT TESTING LABORATORY WHO SHALL SUBMIT COPIES OF THE DESIGN FOR APPROVAL, AND SHALL IN ADDITION SUBMIT COPIES OF 7" x 10" x 28" SLAB CYLINDER TEST RESULTS TO THE ENGINEER AND OBTAIN APPROVAL PRIOR TO USE.
4. BEFORE CONCRETE IS PLACED, THE CONTRACTOR SHALL COORDINATE AND CHECK WITH ALL TRADES TO INSURE THE PROPER PLACEMENT OF ALL OPENINGS, CURBS, SLEEVES, INSERTS, DEPRESSIONS, ETC., RELATING TO THE WORK.
5. CONCRETE SHALL NOT BE DROPPED MORE THAN 3 FEET.
6. CONSTRUCTION OR JOINTS OTHER THAN THOSE SHOWN IN THE PLANS SHALL NOT BE MADE WITHOUT PRIOR APPROVAL BY THE ENGINEER.
7. ALL CONCRETE SHALL BE POURED WITH A SLUMP NOT TO EXCEED 4".

**REINFORCING STEEL**

1. REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.
2. ALL BARS SHALL BE FREE OF RUST, GREASE, MILL SCALE, OR ANY MATERIAL WHICH MIGHT AFFECT ITS BOND TO CONCRETE.
3. ALL BARS MUST BE MADE COLD. REBENDING OF BARS WILL NOT BE PERMITTED.
4. BENDING, PLACING, SPACING, CONCRETE PROTECTIVE COVER, SPLACING, AND ALL OTHER DETAILS OF REINFORCEMENT SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" A.C.I. 318-LATEST EDITION, CHAPTER 7 AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" A.C.I. 318-R-LATEST EDITION.

**NOTES:**

1. BENCHMARK = # CG12701-CLV BC IN TC ELEV. = 2011.99.
2. SEE SHEET C-2 FOR CLARK COUNTY STANDARD DRAWINGS TABLE & LEGEND BOX.
3. PROVIDE A 2" CW SUPPLY FROM WATER VAULT TO WEST SIDE OF BLDG. TO CENTER OF FUTURE FOUNTAIN & PLUGGED FOR FUTURE USE.
4. ALL RADIi SHOWN ARE TO THE BACK OF CURB WHERE APPLIED.
5. 2" & 4" TAPS, METERS, VALVES & VAULTS TO BE INSTALLED BY L.V.W.D. CONTRACTOR TO CONNECT TO VAULTS WITH WALL SPOOL OR OTHER APPROVED CONNECTION.
6. THE SANITARY SEWER LINE FROM THE BUILDING SHALL HAVE SLOPE OF 1.00% MIN.
7. DOWNSPOUTS LINE SHALL BE 6" PVC OR 8" VITRIFIED CLAY PIPE @ 1.00% SLOPE.
8. PROVIDE 1" W SUPPLY TO SPRINKLER SYSTEM METER.
9. CONTRACTOR TO COORDINATE NEW GAS SERVICE FOR GAS CO. INSTALLATION.
10. LOCATION OF EXIST. UNDERGROUND TELEPHONE LINE TO EXIST. M.H. @ MESQUITE IS UNKNOWN.
11. ALL PVC STORM DRAIN LINE TO BE 4" OR 6" PIPE.
12. TYPE 'A' CURB SHALL BE USED BETWEEN LAWN & CONC. PAVERS. SEE DET. (S)



**CIVIL SITE PLAN**

1" = 20'

concealed by floor

4127

11-15-05 ISSUED FOR ADDENDUM #1

**GUNNY, BRIZENDINE & POGGEMEYER ENGINEERS & ARCHITECTS**  
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**Center for Downtown Transportation Las Vegas, Nevada**

**C-1**  
 10/2/05

SCALE: 1" = 20'