

1) ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED BY QUALIFIED WORKMEN, IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND ALL APPLICABLE FEDERAL AND LOCAL CODES.

2) VERIFY THE EXACT LOCATION OF THE EQUIPMENT SPACE AND WATER DISPLAYS WITH THE ARCHITECTURAL OR LANDSCAPE DRAWINGS IF NOT SPECIFIED BY THE FOUNTAIN DOCUMENTATION.

3) THE PIPE ROUTING SHOWN ON THE PIPING PLAN IS OPTIMISED WITHIN THE FRAMEWORK OF KNOWN CONDITIONS AT THE SITE. THE CONTRACTOR SHALL, HOWEVER, DETERMINE THE EXACT ROUTING AT THE SITE TO AVOID CONFLICT WITH SITE CONDITIONS. ANY RE-ROUTING WHICH CREATES A TRAPPED CONDITION IN THE PIPING, OR ANY OTHER IMBALANCE, MUST BE CALLED TO THE FOUNTAIN CONSULTANT'S ATTENTION BEFORE THE PIPE IS INSTALLED.

4) ALL PIPING BETWEEN THE FOUNTAIN AND THE EQUIPMENT SPACE SHALL BE SLOPED DOWN TOWARD THE EQUIPMENT SPACE UNLESS FLOW PREVENTER. DRAIN TO VAULT SUMP. OTHERWISE INDICATED IN THE FOUNTAIN DOCUMENTATION.

5) PROVIDE WATERSTOP, FLASHING FLANGE OR PENETRATION SEAL AS APPROPRIATE AND AS SHOWN IN THE DETAILS PROVIDED, AT EACH WALL OR FLOOR PENETRATION UNDER THIS WORK.

6) PIPING IN PARALLEL OR CROSSING SHALL HAVE A THREE INCH MINIMUM CLEARANCE TO OTHER PIPE.

7) PROVIDE PIPING SUPPORTS AND HANGERS AS NECESSARY TO SUPPORT & MAINTAIN ALIGNMENT UNDER THRUST, PREVENT STRESSES AND ALLOW REMOVAL AND MAINTENANCE OF FUNCTIONAL EQUIPMENT. PIPING SHALL NOT BE SUPPORTED BY THE EQUIPMENT.

8) ALL EQUIPMENT AND PIPING SHOWN ON THE EQUIPMENT SPACE PLANS ARE DRAWN GRAPHICALLY TO SCALE WITH PROPER CLEARANCES. ANY DEVIATION FROM THE ARRANGEMENTS SHOWN MUST BE APPROVED 16) NOT USED. BY THE FOUNTAIN CONSULTANT PRIOR TO THE INSTALLATION OF EQUIPMENT OR PIPING.

REQUIRED TO FACILITATE REMOVAL OF ALL VALVES, PUMPS AND OTHER EQUIPMENT.

10) THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS THAT MIGHT BE CRITICAL TO OR AFFECT FOUNTAIN PERFORMANCE. SUCH AS ALL DIMENSIONS REFERENCED TO WATER LEVEL.

11) PROVIDE DRAINAGE PIPING OF PROPER SIZE FOR ALL EQUIPMENT CONTAINED WITHIN THE EQUIPMENT SPACE WHICH DISCHARGES WATER UNDER NORMAL OPERATION, SUCH AS THE BACK

12) THE RAINWATER FITTINGS ON THE HATCH AND VENTILATION CULVERTS MUST NEVER BE ROUTED TO THE EQUIPMENT SPACE SUMP.

13) INTERCONNECTING PIPING BETWEEN THE POOL AND THE EQUIPMENT SPACE SHALL BE OF COPPER, CAST IRON OR SCHEDULE 80 PVC TYPE 1, CLASS 12454-B. SELECT AND INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECCOMENDATIONS.

14) NOT USED.

15) NO GALVANISED, STEEL, ABS OR PVC TYPE 2 PIPING IS

ALLOWABLE UNDER THE SCOPE OF THIS WORK.

17) ALL PIPING PENETRATIONS THROUGH THE POOL FLOOR SHALL 9) PROVIDE UNIONS AND / OR FLANGES AS SHOWN, AND AS BE OF RED BRASS PIPE FOR THE APPLICATION UNLESS OTHER-WISE NOTED. ALL PENETRATIONS SHALL BE FLASHED TO PREVENT LEAKAGE.

> 18) THE SUCTION EYE OF FLOODED END SUCTION PUMPS MUST BE LOCATED BELOW THE WATER LEVEL OF THE FOUNTAIN.

19) NOT USED.

20) MAKE ALL PIPING RUNS AS DIRECT AS IS POSSIBLE, USING A MINIMUM NUMBER OF FITTINGS.

21) IF NO EQUIPMENT SPACE SUMP PUMP IS SPECIFIED, PROVIDE ADEQUATE DRAINAGE TO PREVENT DAMAGE TO EQUIPMENT IN CASE OF

22) PROVIDE EQUIPMENT SPACE VENTILATION IN ACCORDANCE WITH THE SPECIFIED DESIGN. ANY DEVIATION MUST BE APPROVED BY THE FOUNTAIN CONSULTANT PRIOR TO INSTALLATION.

ALL LAYOUT DIMENSIONS ARE FROM PLAN VIEW CALCULATIONS. ACTUAL FIELD DIMENSIONS MAY VARY FROM PLAN DUE TO ACTUAL

SITE CONDITIONS OR THIRD DIMENSION DISTANCES.

ALL EXISTING CONDITIONS ARE SHOWN FOR INFORMATION ONLY.

..DRAIN ..DRAWING

..EACH

.. EFFICIENCY

EXPANSION JOINT

..ELEVATION

...ELEVATION

...EQUAL

ALL PROPOSED UTILITY INFORMATION IS SHOWN FOR REFERENCE ONLY. REFER TO THE CIVIL PLANS FOR CONFIRMATION.

THESE DRAWINGS USE A SYSTEM OF KEYNOTES, SYMBOLS, AND ABBRIVIATIONS FOR MATERIAL DESIGNATIONS AND SPECIFIC FUNCTION. THE CONTRACTER SHALL BE FAMILIAR WITH THESE ITEMS PRIOR TO COMMENCING WORK. CONTACT THE ARCHITECT OR CIVIL ENGINEER IF ANY CONFLICTS ARE FOUND.

ALL SYMBOLS ARE SHOWN DIAGRAMMATIC, ILLUSTRATING THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED MATERIALS. ANY DISCREPANCIES OR CONFLICTS BETWEEN EXISTING AND PROPOSED CONDITIONS SHALL BE REPORTED TO THE ARCHITECT OR CIVIL ENGINEER PRIOR TO PERFOMING WORK.

REFER TO THE SPECIFICATONS FOR ADDITIONAL INFORMATION PERTAINING TO THE PROJECT MATERIALS, PROCEDURES, AND INSTALLATION.

WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED BUILT CONDITIONS. ALL BRACING, TEMPORARY SUPPORTS, AND SHORING NECESSARY FOR CONSTRUCTION ARE THE SOLD RESPONSIBILITY OF THE CONTRACTOR.

DIMENSIONS MARKED "VERIFY" ARE TO BE FIELD MEASURED. ANY DISCREPANCIES FROM TEH NOTED DIMENSION ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR CIVIL ENGINEER PRIOR TO CONTINUING WORK.

..NATIONAL PIPE THREAD ...NOT TO SCALE

ALL ARCHITECTURAL INFORMATION IS SHOWN FOR REFERNECE ONLY. REFER TO THE ARCHITECTURAL DRAWINGS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

REFER TO THE CIVIL DRAWINGS FOR ALL UNDERGROUND DRAINAGE, INLET, AND UTILITY LOCATIONS, ELEVATIONS, AND DETAILS. VERIFY THAT ALL UTILITIES DO NOT CONFLICT WITH PROPOSED CONSTRUCTION PRIOR TO WORK.

LAYOUT OF ARCS AND CURVES ARE TO BE SMOOTH AND CONTINUOUS. OBTAIN ARCHITECT OR CIVIL ENGINEER APPROVAL PRIOR TO ALL CONSTRUCTION.

Dig Alert! Call 811 on any phone.

EXCAVATORS WILL:

TO EXCAVATING.

MEMBERS WILL:

CALL US AND GIVE AT LEAST TWO WORKING DAYS NOTICE PRIOR

DELINEATE (OUTLINE) THEIR JOB IN WHITE PAINT.

HAND EXPOSE TO THE POINT OF NO CONFLICT WITHIN THE TOLER-ANCE ZONE.

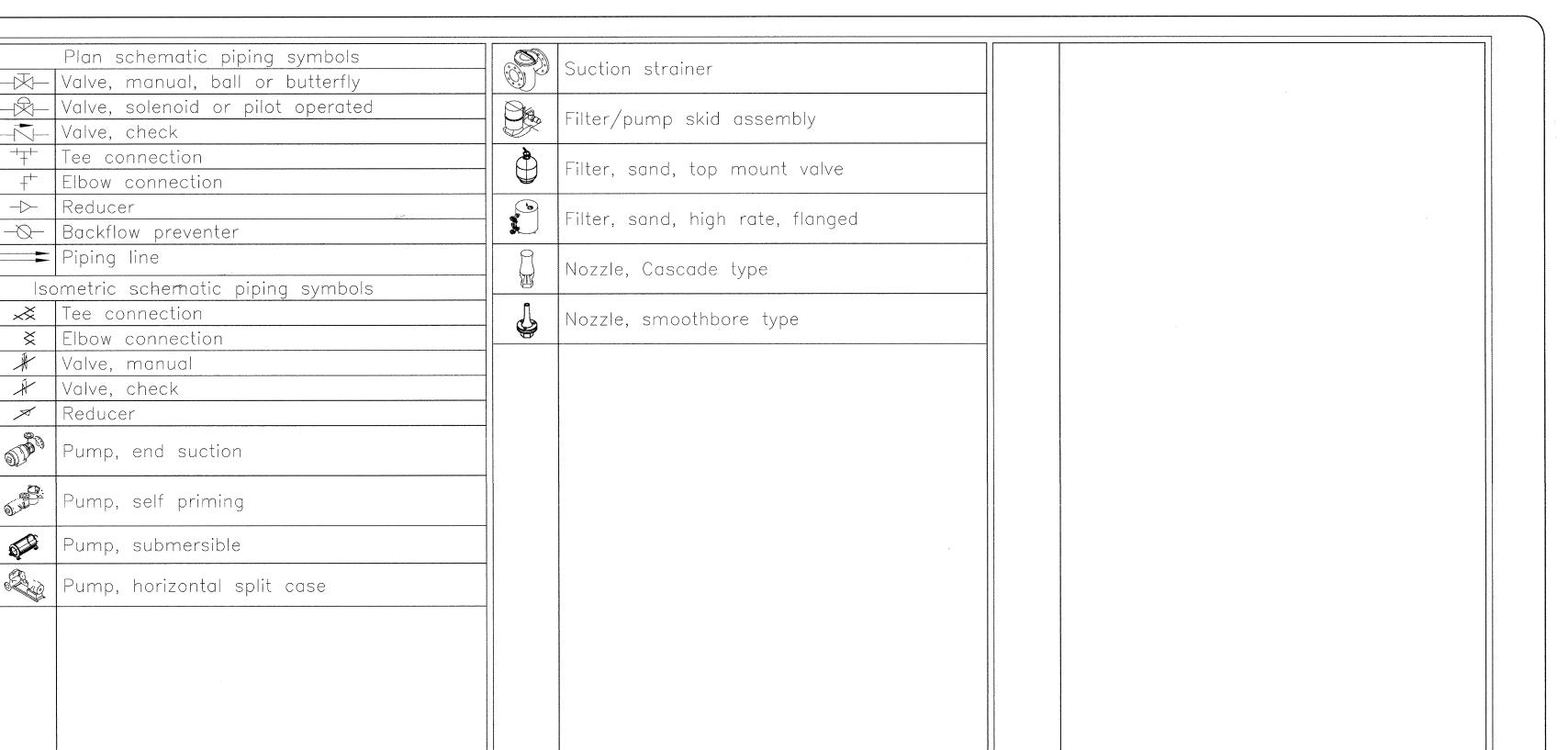
MARK OR LOCATE THEIR LINES WITHIN TWO WORKING DAYS OF THE START OF CONSTRUCTION.

USE THE APWA COLOR CODE TO MARK THEIR FACILITIES.

BE ACCURATE WITHIN 24 INCHES EITHER SIDE OF THE BURIED FACILITY (TOLERANCE ZONE).

> Underground Service Alert Call: TOLL FREE 1 - 800422-4133 TWO WORKING DAYS BEFORE YOU DIG

F0.01



..AIR CONDITIONING ..EQUIPMENT ..EXTERIOR .ADDENDUM ..FAHRENHEIT ..ADJACENT, ADJUSTABLE .FLOOR DRAIN ..AGGREGATE FINISHED FLOOR .ALTERNATE .APPROVED .APPROXIMATE ..FLANGED .FACE OF .ARCHITECTURAL ...GAUGE ...AMERICAN STANDARDS ASSOC. .GENERAL CONTRACTOR ..BETWEEN CENTERS ..GALVANISED IRON ..BETWEEN ..GALLONS PER MINUTE BRAKE HORSEPOWER ..BUILDING .BOTTOM OF ..HORSEPOWER ..BRONZE HVAC......HEATING, VENTILATION & A.C. ..CONDUIT ..INSIDE DIAMETER ..CENTER TO CENTER .. CABINET ...INFORMATION INSTL.....INSTALL, INSTALLATION CFM.....CUBIC FEET PER MINUTE ..INTERIOR .CAST IRON .CONSTRUCTION JOINTLENGTH CENTER LINE ...LENGTH OVER ALL ...CLEAR ..LITERS PER MINUTE ..COLUMN .MAINTENANCE ..CONCRETE .. MATERIAL .CONTINUOUS MUMIXAM.. ..MECHANICAL .. CITY WATER SUPPLY .MANUFACTURER ..DETAIL ..DIAMETER .MANUFACTURER DIMENSION ..MINIMUM... ...DOWN ...MISCELLANEOUS

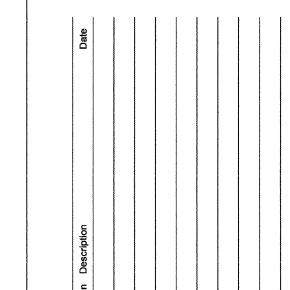
..NOT APPLICABLE NBS......NATIONAL BUREAU OF STANDARDS NATIONAL COARSE THREAD ...NATIONAL COARSE THREAD .. NATIONAL FINE THREAD .. NATIONAL FINE THREAD

..OPPOSITE ..POINT .PERSONAL COMPUTER .PERFORATED ...RED, RADIUS RED BRASS PIPE ..REQUIRED ...STAINLESS STEEL ...SANITARY ..SECTION .SPECIFICATION ..SQUARE ..STANDARD ..TOTAL DYNAMIC HEAD .TEMPERATURE ..THREAD ..THICK ...THROUGH ..TOP OF WALL ..TYPICAL .. VARIES, VARIABLEVENTILATIONVERIFY IN FIELDWITHOUT .. WATER LEVEL ...WATER PROOFING ..YELLOW

PID PIPING & INSTRUMENTATION DETAIL ...PROGRAMMABLE LOGIC CONTROLLER PSI.....POUNDS PER SQUARE INCH RED. BUSH.....REDUCER BUSHING RPM.....REVOLUTIONS PER MINUTE ..UNIFORM BUILDING CODE ...UNLESS OTHERWISE NOTED

..ON CENTER

OUTSIDE DIAMETER



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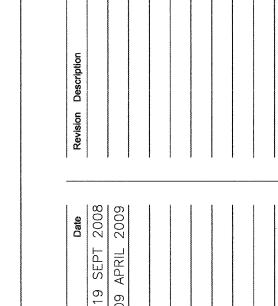
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09 APRIL 2009 FOUNTAIN

MECHANICAL SITE PLAN & NOTES