

WATER PARK SITE PLAN

Base Camp at Dos Rios

WF-100 - WATER PARK SITE PLAN - Public Realm - Dos Rios Water Park

THE DOS RIOS WATER PLAY FEATURE CONSISTS OF TWO AREAS WITH THE RIVER CONFLUENCE AREA TO THE WEST AND THE WATER POCKET AREA TO THE EAST. THE RIVER CONFLUENCE AREA WILL FEATURE TWO PRIMARY SOURCES OF WATER REPRESENTING THE FLOWS OF THE COLORADO AND GUNNISON RIVERS, SOURCING FROM CLIMBABLE STACKED STONE AREAS WITH WATER FLOWING OFF THE STONES AND INTO A RUNNEL CHANNEL FLOWING TO THE WEST AND SLOPING AT A MINIMUM OF 1%. (5) DECK JETS ARE LOCATED ALONG THE RUNNEL ROUTE PROVIDING STREAMS OF WATER TO A MAXIMUM HEIGHT OF 6'. AFTER THE JOINING OF THE FLOWS FROM EACH RIVER FEATURE, THE FULL COMPLIMENT OF WATER TERMINATES IN A SUMP AND IS ROUTED VIA A GRAVITY DRAIN TO A PRECAST BYPASS PIT CONTAINING A PRIMARY STRAINER AND A DRAIN CONNECTION TO SANITARY SEWER VIA A BURIED GATE VALVE WITH STEM EXTENSION. AFTER PASSING THE BYPASS/STRAINER PIT, THE WATER FLOWS VIA GRAVITY TO A 5000 GALLON PRECAST CISTERN WHERE WATER IS DRAFTED BY THE DISPLAY PUMP AND FILTER PUMPS. THE CISTERN IS TO BE PROVIDED WITH AN OVERFLOW PIPE, SUMP PUMP AND A WATER LEVEL CONTROL SYSTEM. BOTH THE BYPASS PIT AND CISTERN ARE TO BE PROVIDED WITH ALUMINUM ACESS

Landscape Concept

DESIGN NARRATIVE

THE WATER POCKET AREA WILL FEATURE (6) SPRAY AND LIGHTING ASSEMBLIES THAT DELIVER A FINE WETTING SPRAY AT EACH LOCATION. WATER FROM EACH SPRAY ASSEMBLY CAN DRAIN DIRECTLY THROUGH THE ASSEMBLY OR FLOW VIA GRAVITY INTO A RUNNEL SLOPING AT A MINIMUM OF 1% TO A DRAIN GRILL AT THE BOTTOM OF THE RUNNEL.

AN ADDITIONAL FEATURE WILL BE A SERIES OF FOG MANIFOLDS LOCATED AT EACH OF THE RIVER SOURCES, CONCEALED BETWEEN THE STACKED STONES AND PROVIDING A DENSE FOG EFFECT AT EACH LOCATION. SIMILAR FOG MANIFOLDS ARE LOCATED BENEATH STONES AT EACH OF THE WATER

THE DESIGN/BUILD CONTRACTOR WILL BE RESPONSIBLE FOR FINALIZING ALL WATER EFFECTS, LOCATIONS AND ARRANGEMENTS OF EACH DISPLAY FEATURE.

THE WETTED WATER PLAY AREA SHALL BE CONSTRUCTED OF CONCRETE WITH A NON SLIP FINISH AND A WATERPROOF ADMIXTURE. THE WETTED AREA WILL DRAIN TO THE RUNNEL AND ALL CONCRETE AND SOFTSCAPE AREA BEYOND THE WETTED WATER PLAY AREA SHALL SLOPE AWAY FROM THE CONCRETE HIGH POINT.

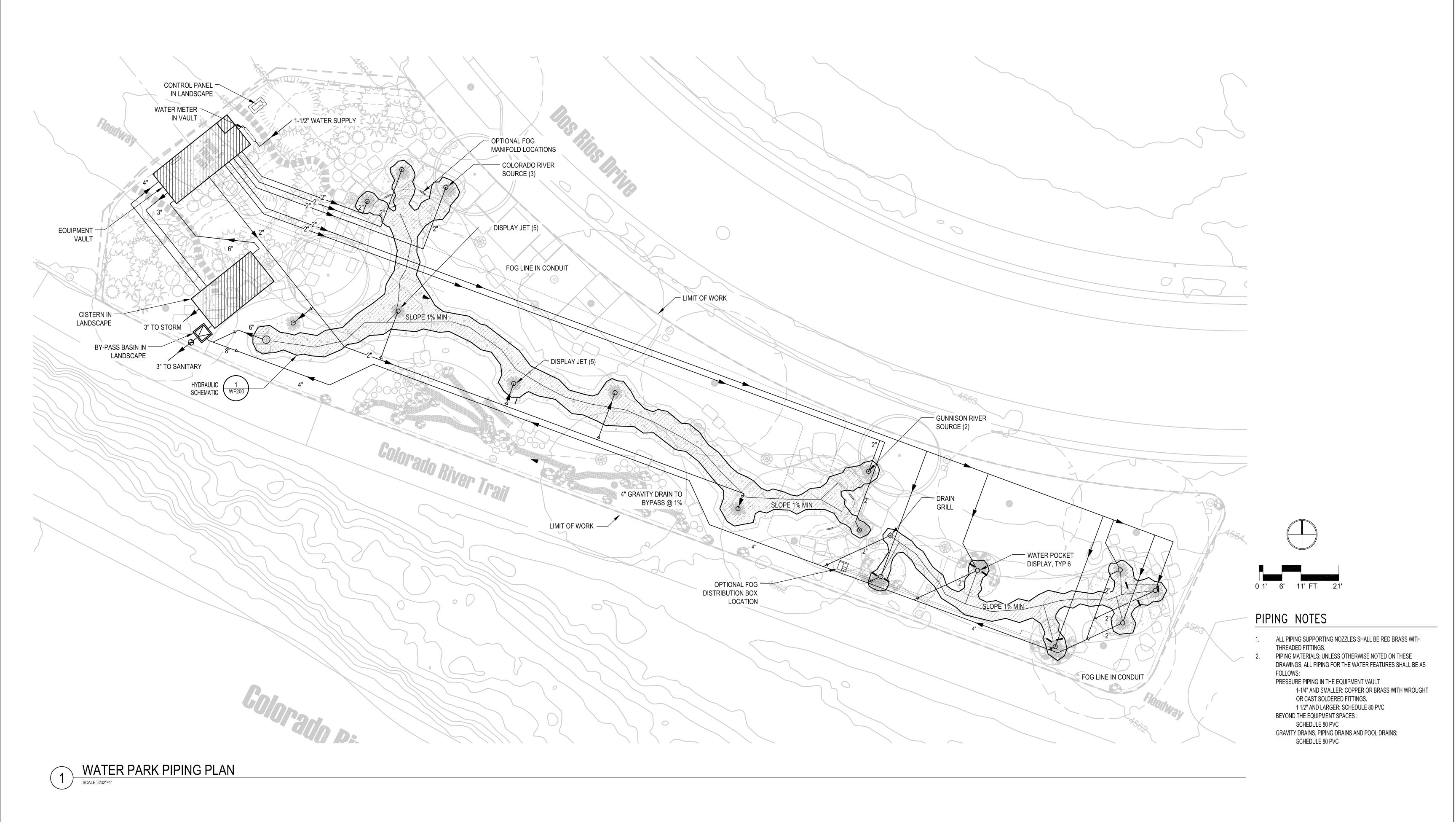


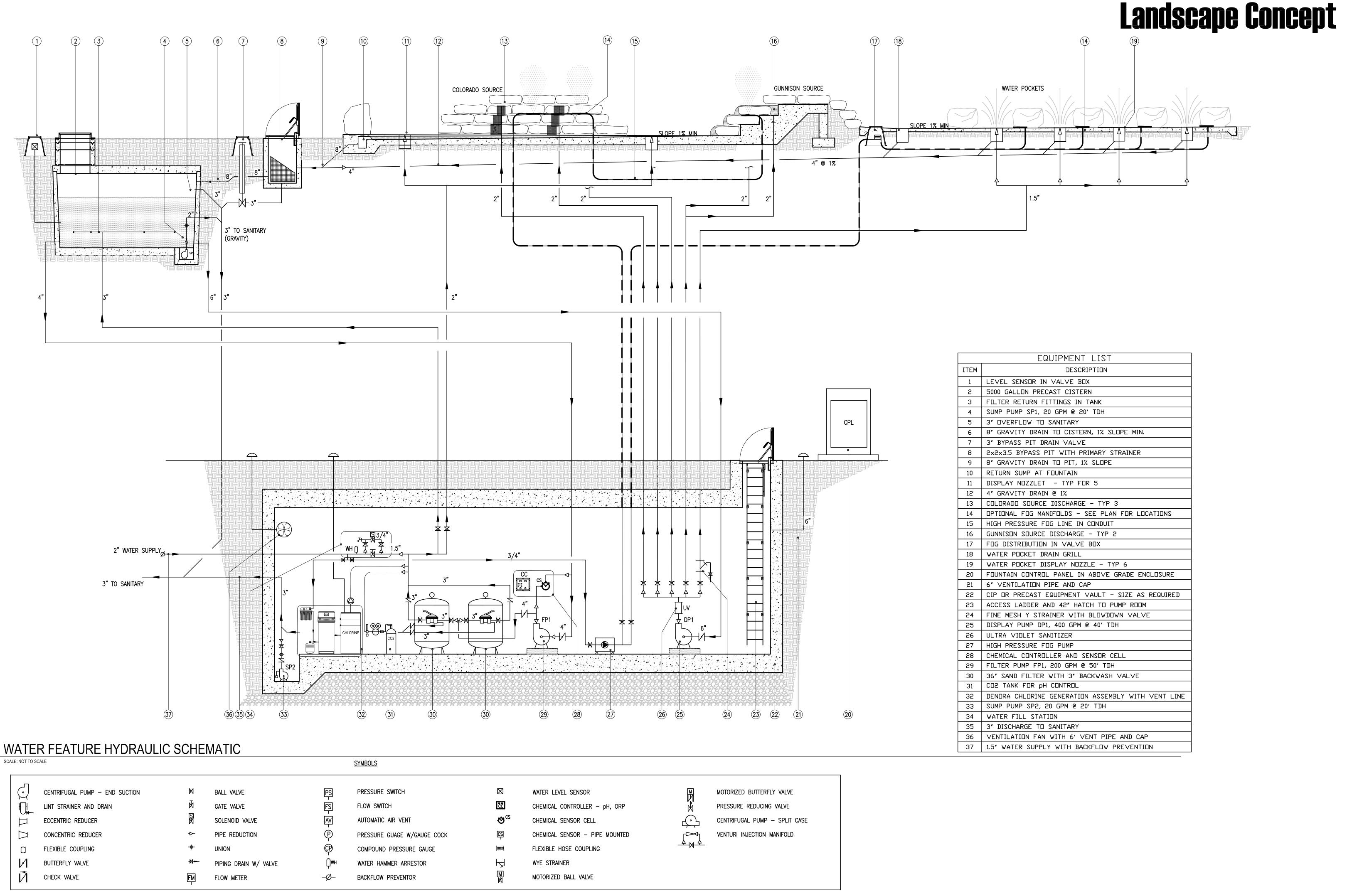


GENERAL NOTES

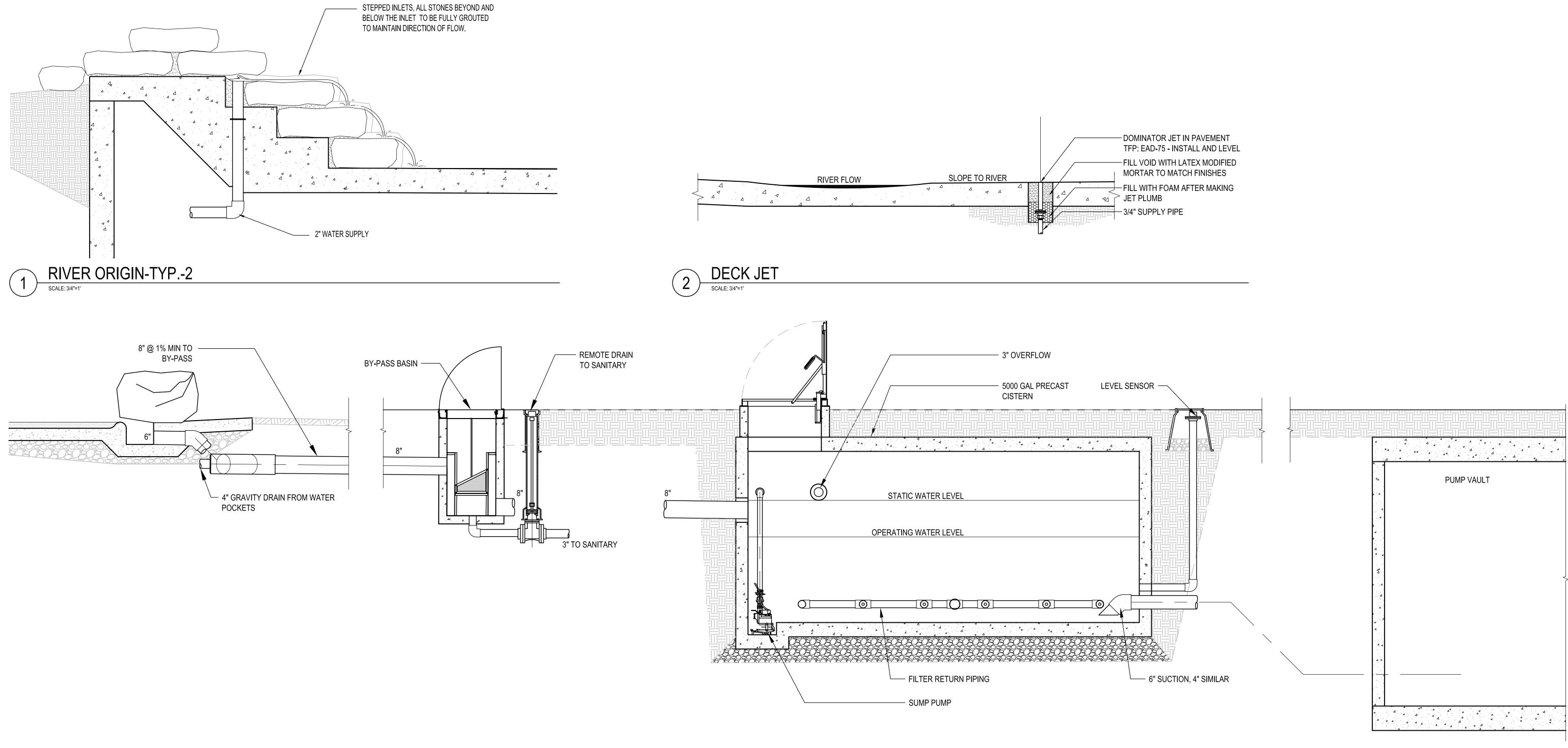
- DESIGN BUILD CONTRACTOR TO COORDINATE LOCATION OF MECHANICAL VAULT, CISTERN AND BYPASS PIT WITH EXISTING SITE CONDITIONS.
- PIPE ROUTING SHOWN ON THE DRAWING IS DIAGRAMMATIC AND IS OPTIMIZED WITH THE KNOWN CONDITIONS ON THE SITE. THE SUBCONTRACTOR SHALL DETERMINE THE EXACT ROUTING AT THE SITE TO AVOID CONFLICT WITH THE SITE CONDITIONS. AVOID ROUTING OF PIPING THAT CREATES TRAPPED CONDITIONS.
- ALL PIPING BETWEEN THE POOLS AND EQUIPMENT SPACES SHALL BE INSTALLED DEAD LEVEL OR SLOPED TOWARD THE EQUIPMENT SPACES UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
- WHERE FERROUS AND NONFERROUS PIPING IS JOINED, PROVIDE DIELECTRIC FITTINGS.
- PROVIDE A WATERSTOP OR FLASHING FLANGE AS APPROPRIATE AND AS SHOWN ON THE DETAILS ON EACH PENETRATION INTO THE WATER FEATURE SLAB.
- PIPING IN PARALLEL OR CROSSING SHALL HAVE A 2" CLEARANCE TO OTHER PIPING UNLESS OTHERWISE NOTED IN THE DRAWINGS.
- PROVIDE PIPE SUPPORTS AND HANGERS AS NECESSARY TO MAINTAIN ALIGNMENT, PREVENT STRESSES AND ALLOW FOR THE REMOVAL AND MAINTENANCE OF FUNCTIONAL EQUIPMENT. PIPING SHALL NOT BE SUPPORTED BY THE EQUIPMENT.
- PROVIDE UNION AND/OR FLANGES AS SHOWN AND AS REQUIRED TO FACILITATE REMOVAL OF ALL VALVES AND EQUIPMENT.
- PROVIDE DRAIN LINES FOR ALL PIPING DOWNSTREAM OF CHECK VALVES TO ENSURE DRAINAGE OF ALL PIPING SYSTEMS. PROVIDE DRAIN LINES FOR ALL EQUIPMENT AND EXTEND TO NEAREST DRAIN.
- PROVIDE VALVE TAGS FOR ALL VALVES UNDER THIS WORK AND PROVIDE A SCHEMATIC DIAGRAM WITH VALVE NUMBERS AND FUNCTION LAMINATED IN PLASTIC. MOUNT IN A CLEARLY VISIBLE AREA OF EACH EQUIPMENT SPACE.
- PIPE IDENTIFICATION SHALL BE PER ALL APPLICABLE CODES.
- PUMPS TO BE SET ON MINIMUM 6" THICK CONCRETE PLINTHS. INSTALLATION TO COMPLY WITH ALL LOCAL CODES AND 680-51 OF THE NATIONAL ELECTRIC CODE.

Landscape Concept

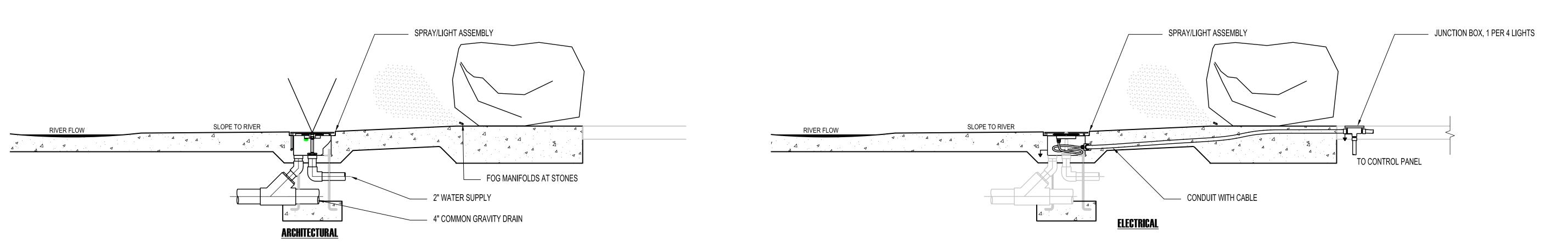




Landscape Concept

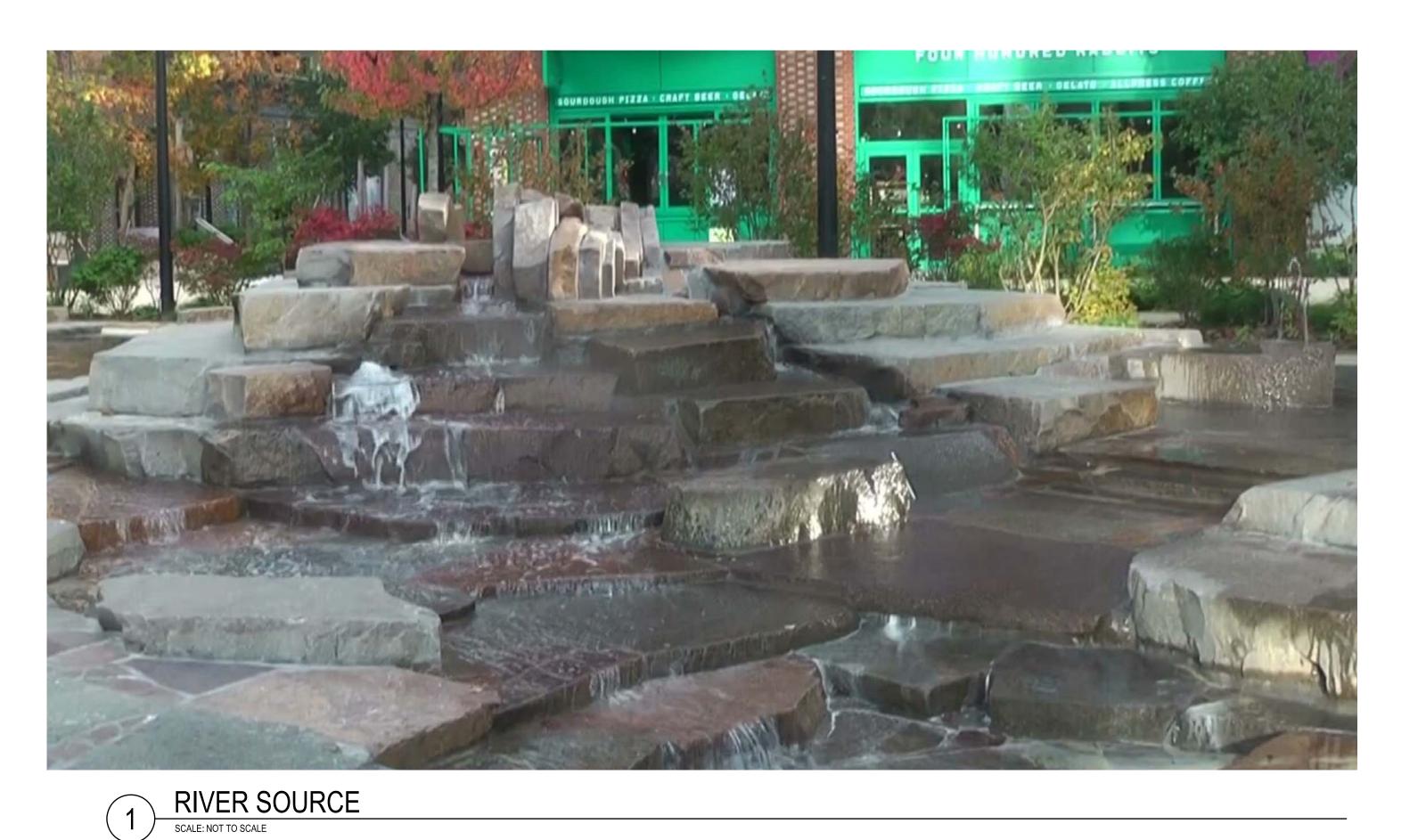


RIVER TERMINUS SCAL F: 3/4"=1"



WATER POCKETS

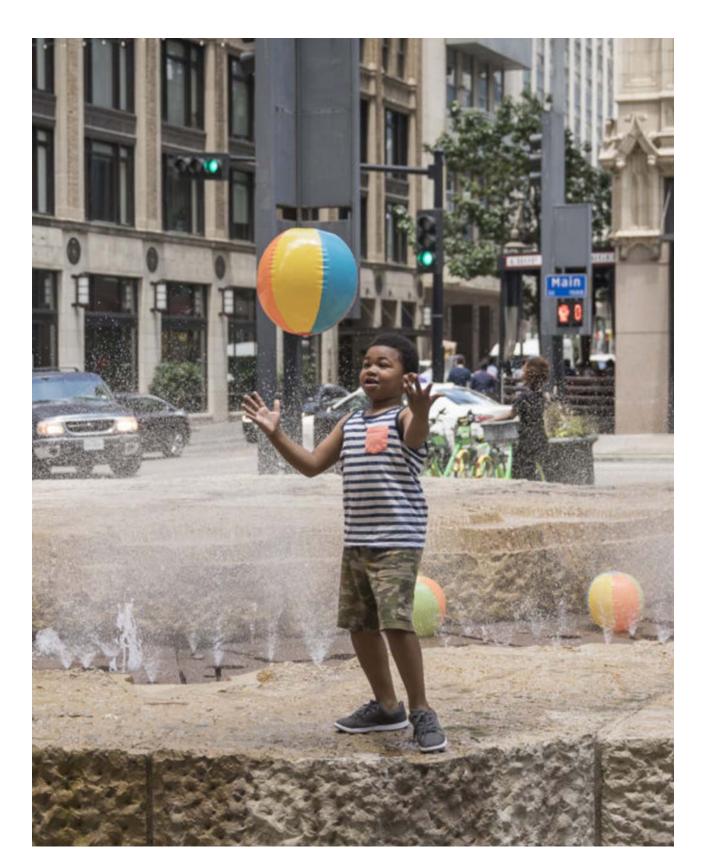
Landscape Concept





2 DECK JET

SCALE: NOT TO SCALE







FOG FITTING

SCALE: NOT TO SCALE