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demolition notes

Before commencement of work:

Contact impacted cellular service providers for direction on temporary support and bracing for affected equipment.

Ensure all existing cellular equipment and non demolished electrical is protected with physical barriers.

Ensure temporary roof and weather barrier in place. The contractor is to maintain weather-tight conditions against inclement weather at all times.

Annotate existing equipment and condition.

Resulting damage for lack of adequate protection is soley the responsibilty of the contractor.

For electrical equipment in bathroom not being demolished :

Refer to electrical drawings.

Protect and support as necessary all components to remain.

Clearly mark, and protect all underground conduit designated to remain.

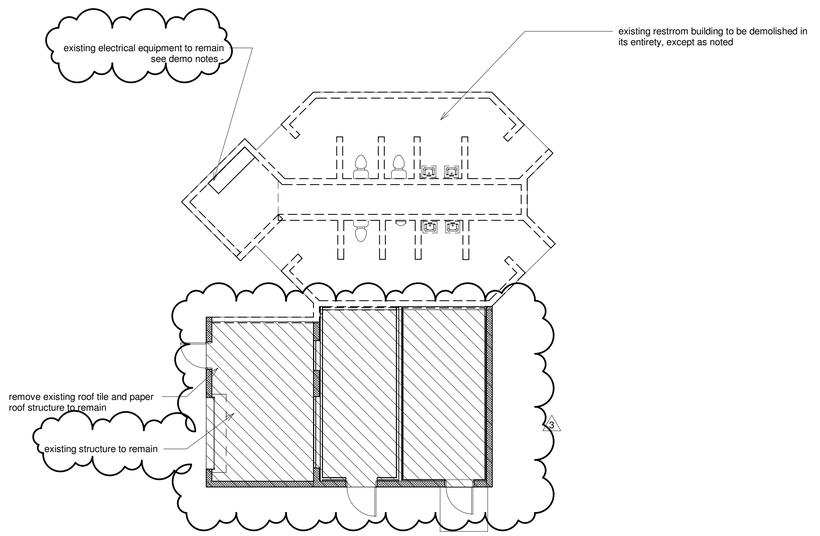
See structural drawings and notes prior to removal of separation wall between cellular service rooms and bathrooms.

Ensure cellular equipment has continuous weather protection for duration of construction.

Debris of any nature shall not be allowed to accumulate in or around the construction site

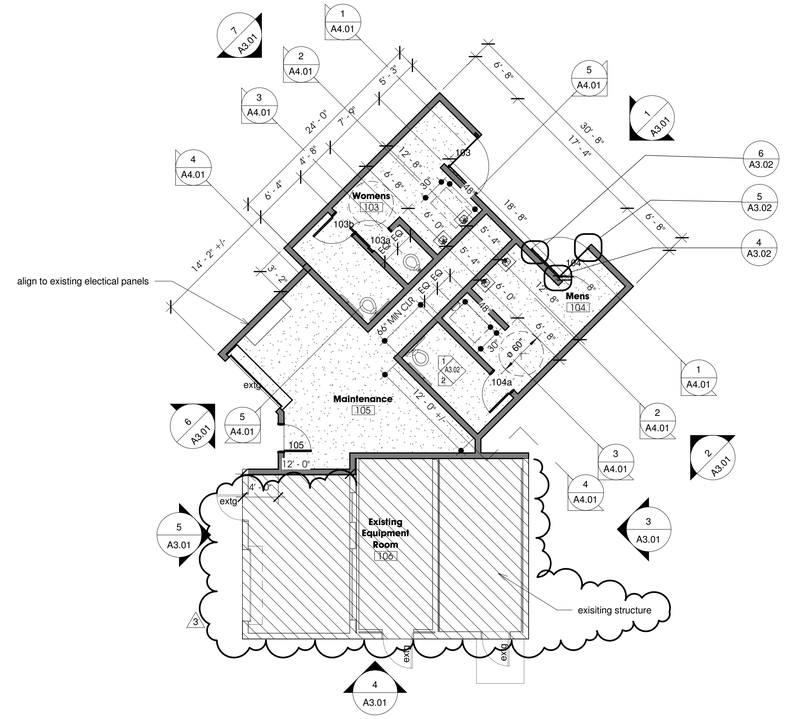
All walls, doors, and bathroom floor noted on the demolition plan are to be removed and properly disposed of.

Remove all bathroom plumbing above and inground. Refer to MEP drawings.



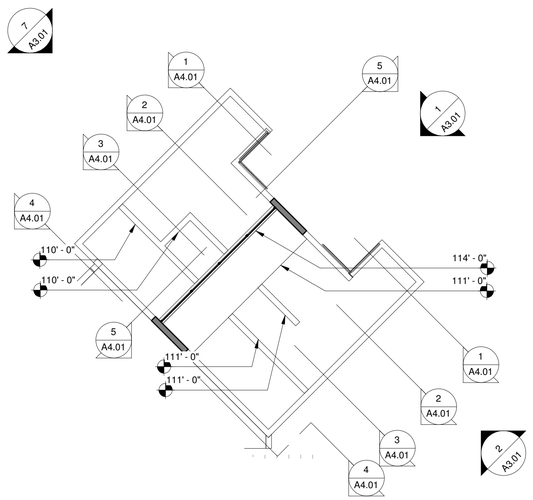
1 Demolition Plan

1/8" = 1'-0"



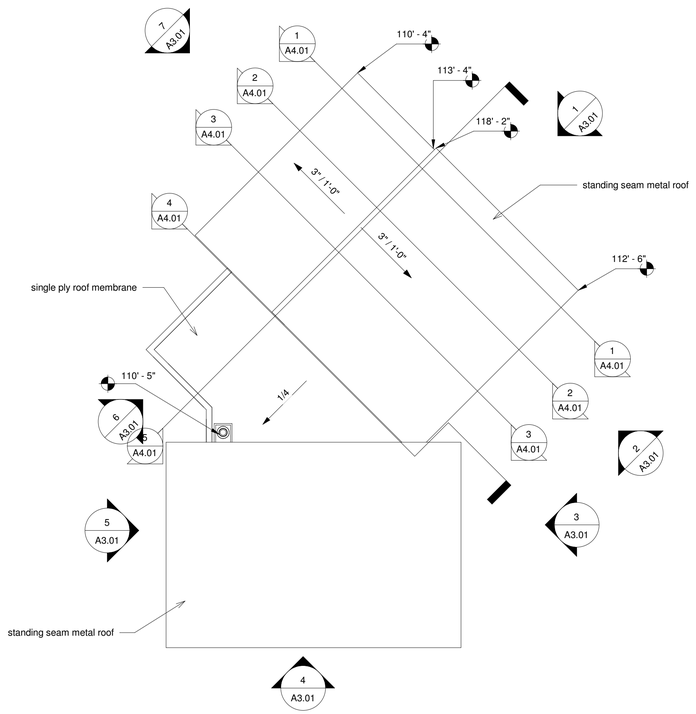
2 First Floor

1/8" = 1'-0"



3 Clerestory Plan

1/8" = 1'-0"



4 Roof Plan

1/8" = 1'-0"

CITY OF LAS VEGAS NEVADA

PUBLIC WORKS

REVISIONS

CONSULTANT

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DEPARTMENT OF PUBLIC WORKS

BOB BASKIN PARK
RENOVATION
Floor Plans

John A. Welsh REGISTERED No. 2956 ARCHITECT STATE OF NEVADA

11/13/17

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6276
FAX: (702) 384-4846

DRAWN	RM / JW
FILE	1801011443
DATE	10/03/17
SCALE	SEE PLAN
SID NO	17.54875.JH
CLV DWG NO	650.27-7
SHT NO	A2.01

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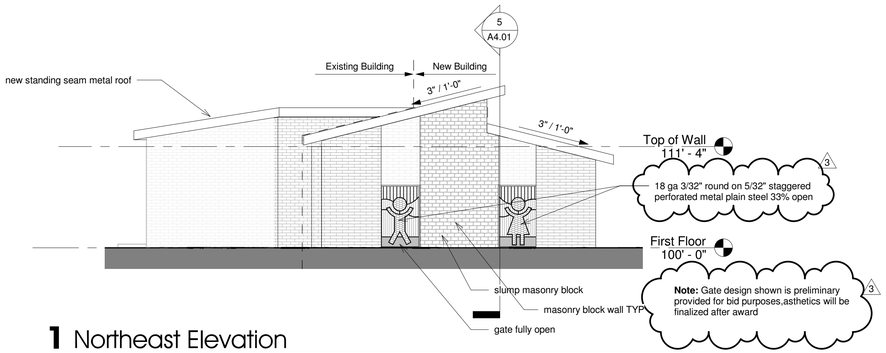
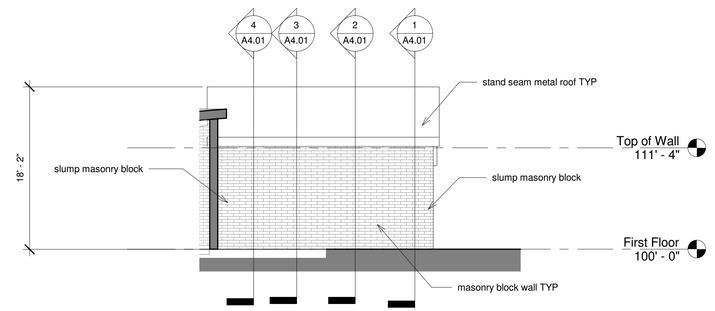
Note: Slump block to be painted City of Las Vegas Standard Beige
Trim / Accent City of Las Vegas Standard Dark Brown
Standing Seam Metal Roof Colonial Red



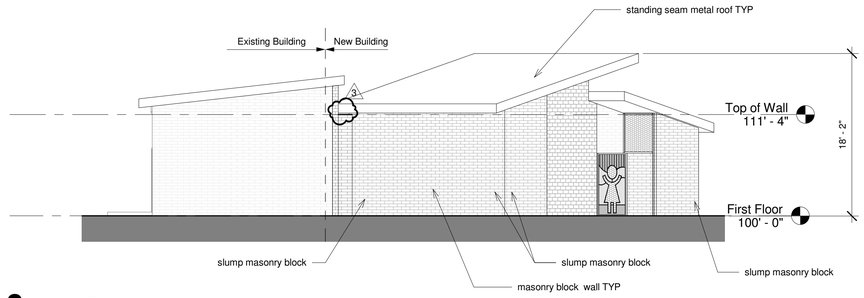
1 Northeast Elevation

1/8" = 1'-0"



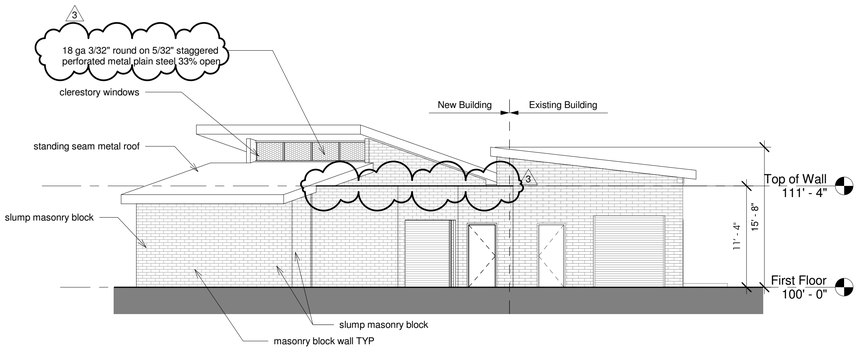
2 Southeast Elevation

1/8" = 1'-0"



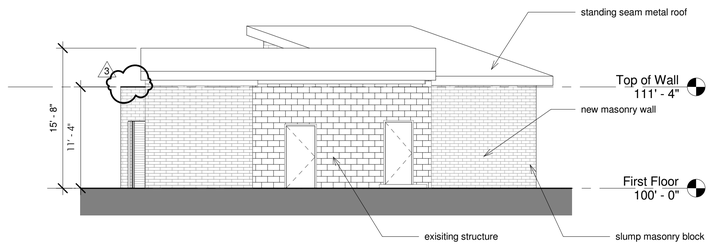
3 East Elevation

1/8" = 1'-0"



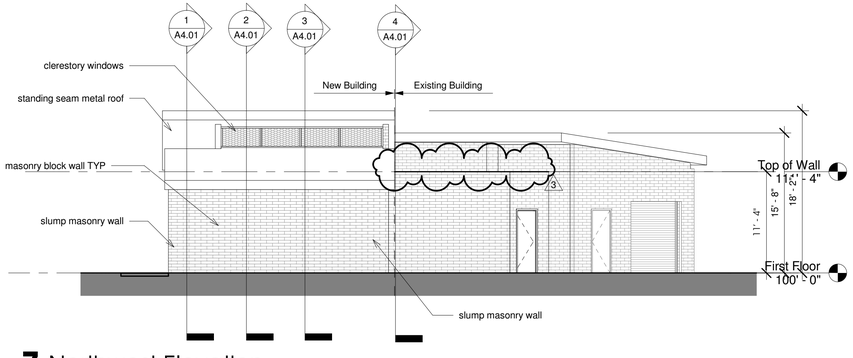
5 West Elevation

1/8" = 1'-0"



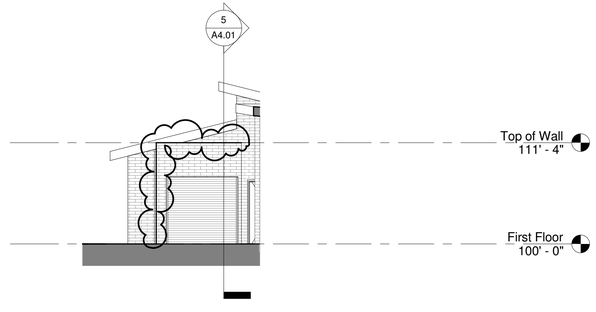
4 South Elevation

1/8" = 1'-0"



7 Northwest Elevation

1/8" = 1'-0"



6 Southwest Elevation

1/8" = 1'-0"

CITY OF LAS VEGAS NEVADA

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RENOVATION
Elevations

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CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREET NAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.

8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO ENSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET-UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHTS OF WAY.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET UP BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECTS OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

CITY OF LAS VEGAS GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.

3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.

4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OF LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.

5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.

6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1'+	+0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEERED FILL	0.5'+	+0.1' TO -0.1'	SEE SOILS REPORT

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.

7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.

8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACK FILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.

9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OF PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

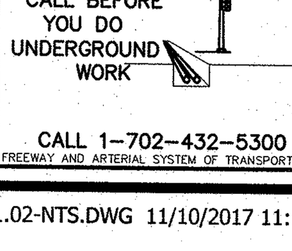
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

DEVIATIONS FROM STANDARDS

NONE

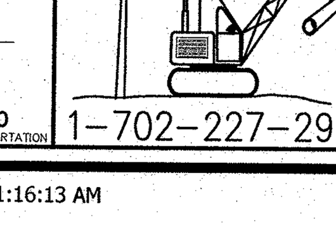
CALL BEFORE YOU DIG
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or
1-800-227-2600

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL AND STREET LIGHT SYSTEMS. IT'S COSTLY.



CALL 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.



1-702-227-2929

CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.

3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.

4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.

5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.

6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y"'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.

7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCHES (18") UNDER A WATER MAIN.

8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.

9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED AND REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.

10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYP CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTER.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE THE PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
12. CONFORM TO APPROVED DRAWINGS AND SPECIFICATIONS. 3
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXITING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIST THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAPS MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF ±0.09 METERS (±0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED 02/03/15

CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6325 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.

2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICT'S - APPROVAL PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.

3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. (IFC §105.7.12)

4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. (IFC § 3310, § 3312)

5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. (IFC § 507.5.7.3)

6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. (IFC § 106.3)

7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. (IFC § 507.2.1, NFPA 24)

8. PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. (IFC § 507)

9. PRIVATE HYDRANTS SHALL BE PAINTED RED. (IFC § 507.5.7.1)

10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST MUST BE WITNESSED BY THE LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. (IFC § 507)

11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: (IFC § C1.02)
RESIDENTIAL - 500 FEET UNSPRINKLERED; 600 FEET SPRINKLERED.
COMMERCIAL - 300 FEET UNSPRINKLERED; 400 FEET SPRINKLERED.

12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT MAXIMUM 1,000 FOOT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FEET ON AND ALTERNATING BASIS. (IFC § C102.8)

13 NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.

14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION. (IFC § C102.12)

15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FEET, AS MEASURED BY AN APPROVED ROUTE. (IFC § C102.4)

16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FEET, AS MEASURED BY AN APPROVED ROUTE. (IFC § C102.7)

17. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FEET. (IFC § 102.6)

18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN. (IFC § C104)

19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. (IFC § C503.2.3)

20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FEET PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. (IFC § 503.2.7, § 503.2.8)

21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FEET OUTSIDE RADIUS AND 28 FEET INSIDE TURNING RADIUS. (IFC § 503.2.4)

22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13 FEET 6 INCHES. (IFC § 503.2.1)

23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 40 FT FLOW LINE TO THE FLOW LINE WITH PARALLEL PARKING PERMITTED ON BOTH SIDES. NOT LESS THAN 32 FT WIDE, FLOW-LINE TO FLOW-LINE, WHERE PARKING IS PERMITTED ONLY ON ONE SIDE OF THE FIRE APPARATUS ACCESS ROAD. NOT LESS THAN 24 FT WIDE, FLOW-LINE TO FLOW-LINE, WHERE NO PARKING IS PERMITTED ON EITHER SIDE. FIRE LANES THROUGH PARKING LOTS SHALL BE NOT LESS THAN 24 FT. (IFC § 503.2.1.1)

24. A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. (IFC § 503.1.1)

25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH SINGLE POINT OF ACCESS IN EXCESS OF 600 FEET, COMMERCIAL AND INDUSTRIAL DEVELOPMENTS WHERE BUILDINGS EXCEED 2 STORIES OR 30 FEET IN HEIGHTS, OR EXCEEDING 62,000 SQUARE FEET IN AREA. (IFC § 503.1.2)

26. ALL DEAD-END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND AREA HAVING A MINIMUM DIAMETER OF 81 FEET. (IFC § 503.1.2)

27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. (IFC § 503.3)

28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE IFC § 503.6 AND IFC APPENDIX M.

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT # 125404

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEM (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVAL DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO(2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.
14. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 125404 DATE: ____________

CITY OF LAS VEGAS STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.
2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC ENGINEERING AND THE CITY ENGINEER.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.
5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.
6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEFO SECTION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.
8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.
10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.
11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM THE DEVOLOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHT/S AND/OR SERVICE/S INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEFO) AT (702) 229-6331.

STORMWATER RUNOFF MANAGEMENT

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE CLARK COUNTY PUBLIC RIGHT OF WAY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM DRAIN SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED BY THE CITY OF LAS VEGAS AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORM WATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5.

4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORM WATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORM WATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AVE	AVENUE
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BCR	BACK OF CURB RADIUS
BNRY	BOUNDARY LINE
BLDG	BUILDING
BLVD	BOULEVARD
BO	BLOW OFF ASSEMBLY
BOP	BOTTOM OF PIPE
BOT	BOTTOM
BVC	BEGINNING OF VERTICAL CURVE
BWV	BACK WATER VALVE
CCUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWING
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT
C&G	CURB AND GUTTER
CATV	CABLE TELEVISION
CIP	CAST IRON PIPE
CL	CENTERLINE
CO	CLEAN OUT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
COND	CONDUIT
CU FT	CUBIC FOOT
CU YD	CUBIC YARD
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DEMO	DEMOLITION
DI	DROP INLET
DIP	DUCTILE IRON PIPE
DWG	DRAWING
EC	END OF CURVE
ECR	END OF CURB RETURN
EGL	ENERGY GRADE LINE
EVC	END OF VERTICAL CURVE
EP	EDGE OF PAVEMENT
EX	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FMCT	FLOW METER COMPOUND TORRENT
FC	FACE OF CURB
FT	FOOT OR FEET
G	GAS
GB	GRADE BREAK
GV	GATE VALVE
HGL	HYDRAULIC GRADE LINE
HP	HIGH POINT
INV	INVERT
LF	LINEAR FOOT
LOMR	LETTER OF MAP REVISION
LP	LOW POINT
LS	LANDSCAPE
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM

N/A	NOT APPLICABLE
NAP	NOT A PART
NDOT	NEVADA DEPT OF TRANSPORTATION
NFPA	NATIONAL FIRE PROTECTIONS ASSOC
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
PB	PULL BOX
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PKWY	PARKWAY
PL	PROPERTY LINE
PP	POWER POLE
PT	POINT OF TANGENCY
PNT	POINT
PSI	POUNDS PER SQUARE INCH
PRC	POINT OF REVERSE CURVE
PR	PROPOSED
PRV	PRESSURE REGULATING VALVE
PRVT	PRIVATE
PVC	POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
Q	RATE OF FLOW
QTY	QUANTITY
R	RADIUS
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY
RR	RAILROAD
R/W	RIGHT OF WAY
SD	STORM DRAIN
SQ FT,	SQUARE FOOT (FEET)
SQ YD	SQUARE YARD
SS	SANITARY SEWER
ST	STREET
STA	STATION
STLT	STREET LIGHT
SW	SIDEWALK/SOUTHWEST
T	TELEPHONE
TC	TOP OF CURB
TEMP	TEMPORARY
TEL	TELEPHONE
TMH	TOP OF MANHOLE
TF	TOP OF FOOTING
TG	TOP OF GRATE
TOP/TP	TOP OF PIPE
TW	TOP OF WALL
TS	TRAFFIC SIGNAL
(TYP)	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS
UG	UNDERGROUND
UTIL	UTILITIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VG	VALLEY GUTTER
WTR	WATER
WM	WATER METER
YD	YARD

PUBLIC QUANTITIES

2

ITEM DESCRIPTION	QUANTITY	UNIT
ROADWAY		
1. TYPE II GRAVEL	53	CY
2. CURB & GUTTER (24")	174	LF
3. CONCRETE VALLEY GUTTER	1,098	SF
5. 4" CONCRETE SIDEWALK	809	SF
6. ADA RAMPS	4	EA

PRIVATE QUANTITIES

ITEM DESCRIPTION	QUANTITY	UNIT
ROADWAY		
1. 2" ASPHALTIC CONCRETE PAVEMENT	737	SY
2. 2-1/2" ASPHALTIC CONCRETE PAVEMENT	898	SY
3. TYPE II GRAVEL BASE	803	CY
4. "L" TYPE CONCRETE CURB & GUTTER (24")	196	LF
5. ROLL TYPE CONCRETE CURB & GUTTER (30")	57	LF
6. "A" TYPE CONCRETE CURB	424	LF
7. 4" CONCRETE SIDEWALK	3,038	SF
8. ADA RAMPS	2	EA
9. CONCRETE WALK	31,837	SF
SEWER		
1. 4" SDR 35 PVC SEWER	80	LF
2. SEWER CLEANOUT	1	EA
3. 500 GAL SAND OIL INTERCEPTOR	1	EA
4. 24" DIAMETER SAMPLE BOX	1	EA
WATER		
1. 3" PVC WATER	130	LF
2. 6" ø PVC C-900 WATER	12	LF
3. 6" ø PVC WATER	27	LF
4. 3" RPPA	1	EA
5. 4" RPPA	1	EA
6. 6" RPPA	1	EA
7. 6" RPPA	1	EA
8. 9'x6' SP VAULT	1	EA
9. BOOSTER PUMP	1	EA

BASIS OF BEARING

SOUTH 89°49'15" EAST, BEING THE CENTERLINE OF A PORTION OF CHARLESTON BLVD. AS SHOWN BY RECORD OF SURVEY IN THE OFFICE OF THE CLARK COUNTY, NEVADA. RECORDER IN BOOK 160, PAGE 25 OF SURVEYS.

BENCHMARK

MONUMENT ID" 8LV0133SEE6
NDOT BRASS CAP MONUMENT TOP OF CURB W. SIDE MAIN STREET AT COOLIDGE AVENUE
T20S R61E S33
ELEV=2,030.01 (FT) 618.749 (M), NAVD88

REV#	REV. DESCRIPTION	SHEET(S)	APPD BY	DATE
2	OVERALL PARK RENOVATION	ALL		
3	REVISED CLV GENERAL NOTE No 12	C1.02		

DEPARTMENT OF PUBLIC WORKS

CITY OF LAS VEGAS NEVADA

COLLINS ENGINEERS INC
3130 S. DURANGO DR., SUITE 404
LAS VEGAS, NV 89117
PHONE: (702) 248-8000
FAX: (702) 248-8070
www.collinsengr.com

BOB BASKIN PARK RENOVATION 2

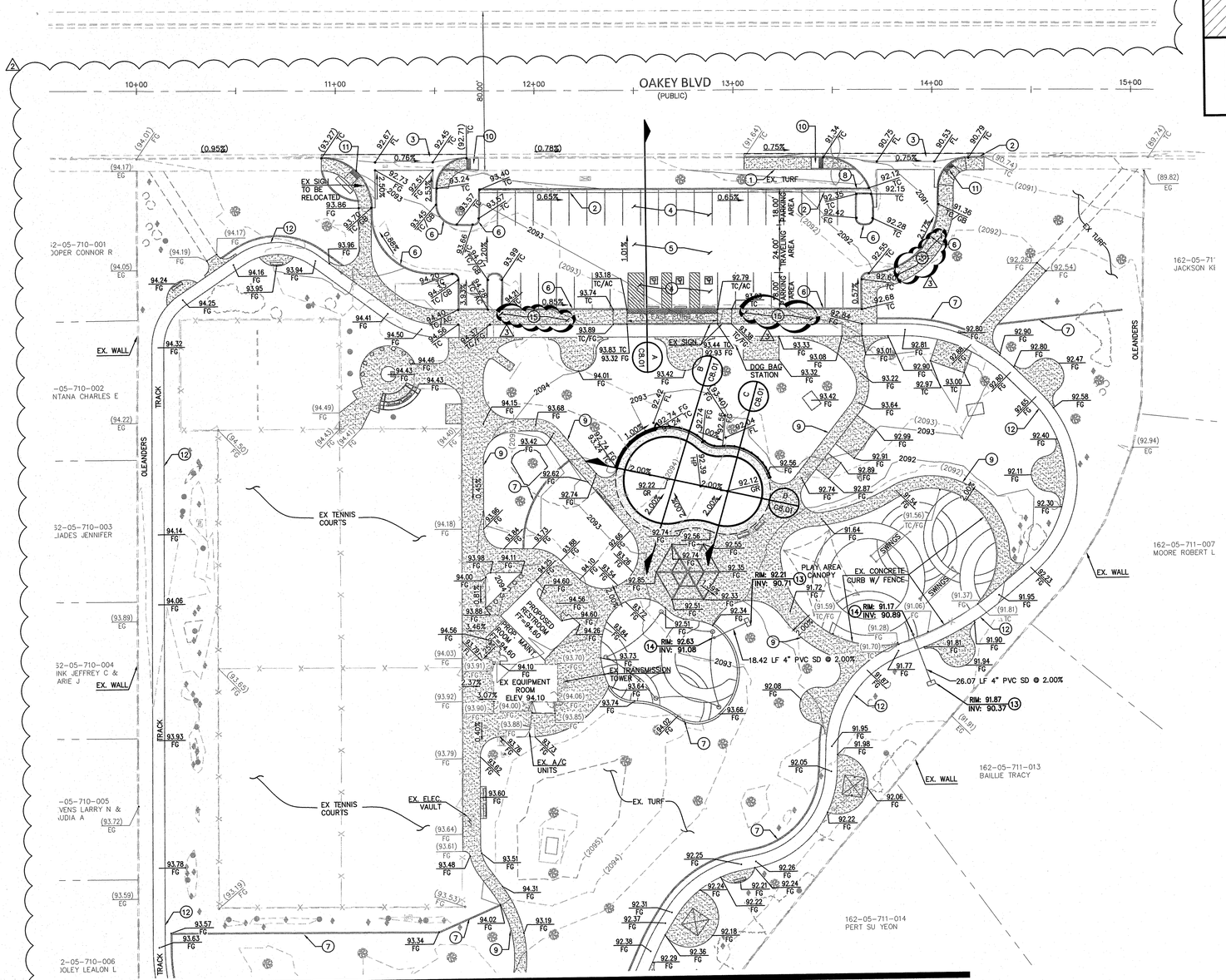
GENERAL NOTES SHEET

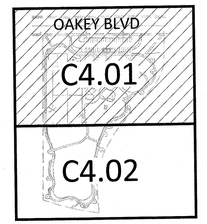
STAMP
PROFESSIONAL ENGINEER - STATE OF NEVADA
THOMAS D. MILLER
EXP. 12-31-17
CIVIL
NO. 15776
3
11-13-17

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6276
FAX: (702) 384-4846

DRAWN	AP
FILE	180101443
DATE	11/13/2017
SCALE	N.T.S.
BID NO	17.54875.JH
CLV DWG NO	650.27-7
	Hansen 54875
SHT NO	C1.02





KEY MAP
NTS

GRAPHIC SCALE

30 0 15 30

SCALE: 1"=30'

BASIS OF BEARING

GRID NORTH AS DEFINED BY CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING CONCIDENT WITH 114°58' WEST OF GREENWCH MERIDIAN. THE REFERENCE FRAME UTILIZED BEING NAD 83 (2001) EPOCH 2010.0

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 8LV115E6
RIVET AND PLATE IN TOP OF CURB ON SOUTH SIDE OF OAKEY BOULEVARD AT THE INTERSECTION OF OAKEY BOULEVARD AND CAHLAN DRIVE.

ELEVATION = 636.35 METERS
ELEVATION = 2087.77 FEET (NAVD 88 – 2008 CLV ADJUSTMENT)

CONSTRUCTION NOTES

NO.	ITEM USDCCA: UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA.
1	CONSTRUCT NEW SIDEWALK PER CCAUSD 234
2	CONSTRUCT L TYPE CURB PER CCAUSD 216
3	CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD 222.1 AND 228
4	CONSTRUCT 2" AC PAVING OVER 5½" TYPE II AGGREGATE BASE (PARKING AREA ONLY)
5	CONSTRUCT 2½" AC PAVING OVER 6" TYPE II AGGREGATE BASE (TRAVELING AREA ONLY)
6	CONSTRUCT "A" TYPE CURB PER DETAIL "F" SHEET C8.01
7	NEW MOW CURB REFER TO ARCHITECT PLANS FOR DETAILS
8	CONSTRUCT U CHANNEL PER DETAIL "G" SHEET C8.01
9	NEW WALK REFER TO ARCHITECT PLANS FOR DETAILS
10	CONSTRUCT HANDICAP RAMP PER DETAIL "E" ON SHEET C8.01
11	CONSTRUCT HANDICAP RAMP PER CCAUSD No 235 CASE I
12	NEW WALKING TRACK REFER TO ARCHITECT PLANS FOR DETAILS
13	CONSTRUCT DRY WELL PER DETAIL "L" SHEET C8.01.
14	INSTALL AREA DRAIN, SEE ARCHITECTURAL PLANS FOR DETAIL.
15	CONSTRUCT 5 INCHES THICK MODIFY SIDEWALK PER CCAUSD 234. AND DETAIL "M" SHEET C8.01

3

REV#	REV. DESCRIPTION	SHEET(S)	APPD BY	DATE
2	OVERALL PARK RENOVATION	ALL		
3	ADD NOTE 15 ONSITE MODIFIED SIDEWALK	C4.01		

TREE NOTE:

DO NOT DISTURB EXISTING GRADES WITHIN 25 FT DIAMETER OF EXISTING TREES WHERE POSSIBLE. ANY GRADING UNDER DRIP LINE OF TREES TO BE REVIEWED IN FIELD WITH LANDSCAPE ARCHITECT.

GENERAL NOTE:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE A NOTICE OF INTENT/REQUEST TO BE INCLUDED IN THE STORM WATER GENERAL PERMIT, AND SUBMIT THE ASSOCIATED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY FEDERAL, AND MONITORED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION.

NOTE:

PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES SUCH AS BUT NOT LIMITED TO THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF THE VEGETATION.

FLOOD ZONE NOTE:

PER FIRM PANEL 32003C2170F REVISED NOVEMBER 16, 2011, THE PROJECT SITE IS LOCATED WITHIN NON-SHADED FLOOD ZONE "X". NON-SHADED FLOOD ZONE "X" IS DEFINED BY FEMA AS AN AREA OUTSIDE THE 100-YEAR FLOOD PLAIN.

ALL GRADING WORK SHALL BE IN STRICT ACCORDANCE WITH THE SOILS REPORT FOR THE SITE ENTITLED "BOB BASKIN PARK IMPROVEMENTS".

PROJECT NO.: 20163934E1, DATED OCTOBER 13, 2016.

PREPARED BY: GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.
7150 PLACID STREET LAS VEGAS, NEVADA 89119
PHONE NO.:(702) 365-1001
FAX NO.:(702) 341-7120

ALL WORK SHALL BE PERFORMED UNDER THE DIRECTION OF A REGISTERED PROFESSIONAL SOILS ENGINEER.

CALL BEFORE YOU DIG
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL AND STREET LIGHT SYSTEMS. IT'S COSTLY.
CALL BEFORE YOU DO UNDERGROUND WORK
CALL 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD WORK
1-702-227-2929

COLLINS ENGINEERS ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

LEGEND

EXISTING	PROPOSED	
(0.00) XXX	0.00 XXX	ELEVATION TAG
		DRAIN INLET
		RETAINING WALL
		SCREEN WALL
		UTILITY POLE
		STREET LIGHT
-E-	-E-	POWER LINE/POLE
-T-	-T-	TELEPHONE LINE
-W-	-W-	WATER LINE
-SS-	-SS-	SANITARY SEWER LINE
-D-	-D-	STORM SEWER LINE
-G-	-G-	GAS LINE
Ⓢ	Ⓓ	STORM MANHOLE
		FIRE HYDRANT
		FIRE DEPARTMENT CONNECTION
		WATER VALVE
		REDUCER
Ⓢ	Ⓢ	SEWER MANHOLE
○	○	CLEANOUT
		GAS VALVE
		PL-RIGHT-OF-WAY
		PL-ADJACENT
		CENTERLINE
		EASEMENT LINE
		FLOW LINE
		SIGN W/POLE
		SAWCUT LINE
☼	☼	AREA LIGHT
□	■	WATER METER
		AC PAVEMENT
		6" TYPE "A" CURB
		24" TYPE "L" CURB & GUTTER
		30" ROLL CURB
	BWV	BACK WATER VALVE

CITY OF LAS VEGAS NEVADA

DEPARTMENT OF PUBLIC WORKS

COLLINS ENGINEERS
3130 S. DURANGO DR. SUITE 404
LAS VEGAS, NV 89117
PHONE: (702) 248-8000
FAX: (702) 248-8070
www.collinsengr.com

BOB BASKIN PARK RENOVATION

GRADING PLAN

STAMP

PROFESSIONAL ENGINEER STATE OF NEVADA
THOMAS D. MILLER
EXP. 12-31-17
CIVIL
NO. 15776
11-13-17

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6276
FAX: (702) 384-4846

DRAWN	AP
FILE	180101443
DATE	11/13/2017
SCALE	1" = 30'
BID NO	17.54875.JH
CLV DWG NO	650.27-7
	Hansen 54875
SHT NO	C4.01

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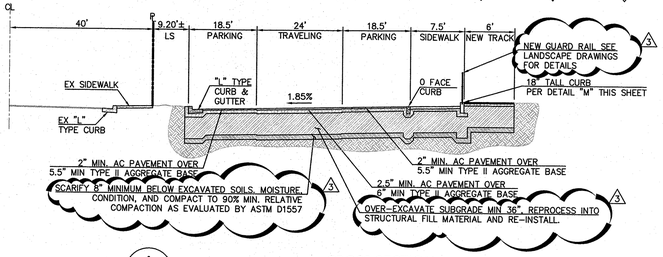
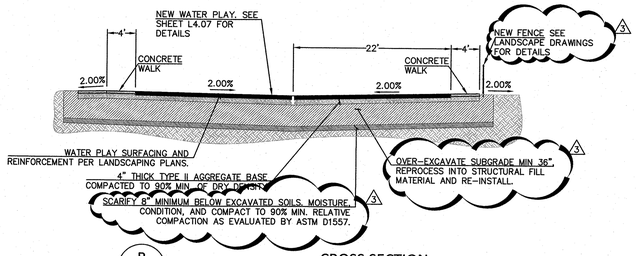
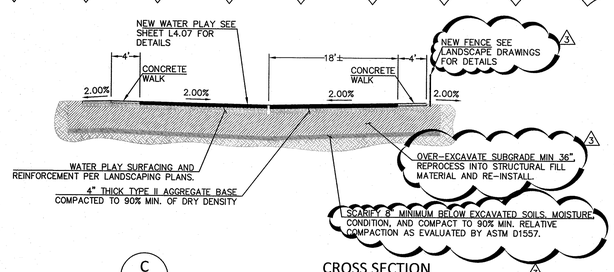


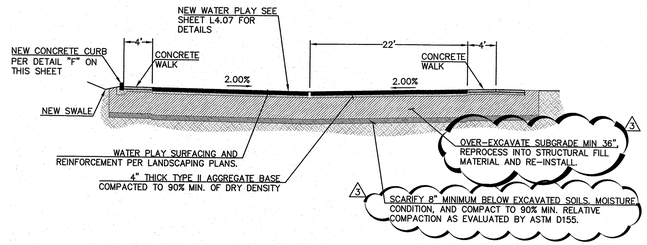
A C8.01 CROSS SECTION NTS



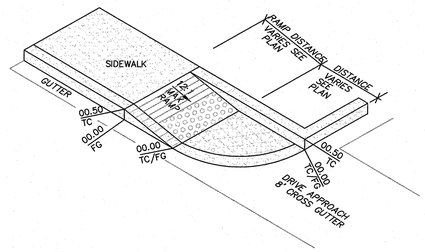
B C8.01 CROSS SECTION NTS



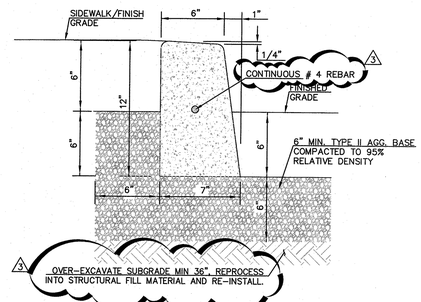
C C8.01 CROSS SECTION NTS



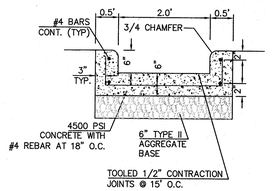
D C8.01 CROSS SECTION NTS



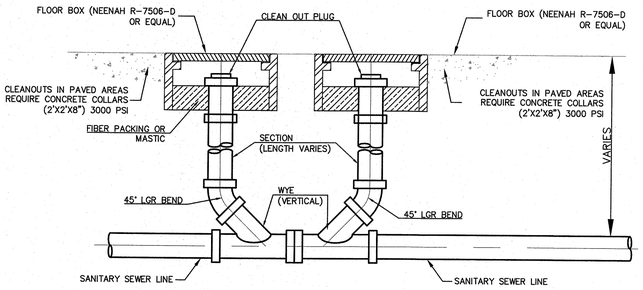
E C8.01 HANDICAP RAMP DETAIL NTS



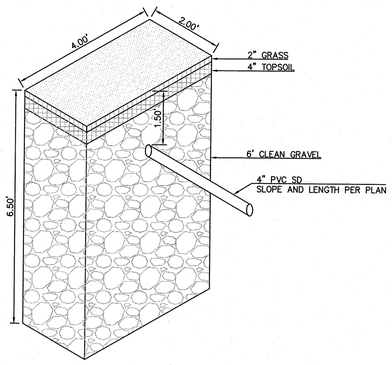
F C8.01 "A" TYPE CURB NTS



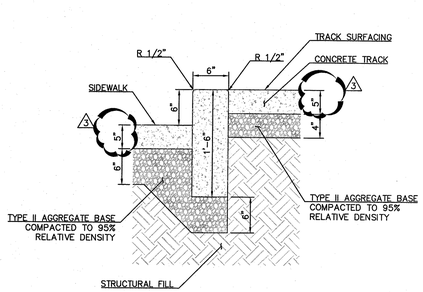
G C8.01 U-CHANNEL NTS



K C8.01 DOUBLE CLEAN OUT DETAIL NTS



L C8.01 DRY WELL DETAIL NTS



M C8.01 18" TALL CURB NTS

REV#	REV. DESCRIPTION	SHEET(S)	APPD BY	DATE
2	OVERALL PARK RENOVATION	ALL		
3	BID CLARIFICATIONS	C8.01		

COLLINS ENGINEERS
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www.collinsengr.com

DEPARTMENT OF PUBLIC WORKS

BOB BASKIN PARK RENOVATION

DETAIL SHEET

STAMP

PROFESSIONAL ENGINEER STATE OF NEVADA
THOMAS D. MILLER
EXP. 12-31-17
CIVIL
NO. 15776
11-13-17

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
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PROJECT NUMBER: 16013 — PDA CONSULTING ENGINEERS, LLC

LIGHTING FIXTURE SCHEDULE

PROJECT NAME: BASKIN PARK — 10-Nov-17

FIXTURE TYPE	VOLTS	FLUOR	SSL	HID	INCAND	OTHER	MOUNTING	LAMP (S)	CONTROL MEDIA (LENS, LOUVERETC)	MANUFACTURERS CATALOG NUMBER	DESCRIPTION / REMARKS
A	120		X				WALL	50W	0.25" POLYCARBONATE	KENALL MANUFACTURING CD-4-1/1-1-45L35K-DCC-1-DV-Y/B-1	WALL MOUNT AT 8'-0" AFF
AE	120		X				WALL	50W	0.25" POLYCARBONATE	KENALL MANUFACTURING CD-4-1/1-1-45L35K-DCC-1-DV-Y/B-1/PEL	WALL MOUNT AT 8'-0" AFF WITH HIGH LUMEN EL BATTERY PACK
B	120		X				CEILING/ STRUCTURE	41.8W		LITHONIA LIGHTING ZL1NL 48 5000LM L/LENS MVOLT 35K 80CRI W H	CEILING MOUNT. PROVIDE W GZ48
BE	120		X				CEILING/ STRUCTURE	41.8W		LITHONIA LIGHTING ZL1NL 48 5000LM L/LENS MVOLT 35K 80CRI E7W W H	CEILING MOUNT. PROVIDE EMERG BATTERY PACK AND W GZ48
C	240		X				16 FT. POLE	98W		EATON - McGRAW-EDISON GLEON-AE-01-LED-E1-SL2-BZ-HA-MS/DIM-L30-HSS	MOUNTED ON 16 FT 5" SQUARE POLE BRONZE, 4"X6" HANDHOLE
D	240		X				25 FT POLE	210W		EATON - McGRAW-EDISON GLEON-AE-06-LED-E1-SL4-BZ-HA-MS/DIM-L40-HSS	MOUNTED ON 25 FT 5" SQUARE POLE BRONZE, 4"X6" HANDHOLE
E	120		X				WALL	27.1W	0.187 CLEAR POLYCARBONATE	KENALL MANUFACTURING FN9L-2-7-DB-24L50K7-DCC-DV	MOUNT NEAR TOP OF W ALL, AS HIGH AS POSSIBLE.
F	120		X				SUPPORT COLUMN	34W	LENSED	HYDREL TPS1-19LED-W HT53K-MVOLT-MFL-IM-LP4GN	FABRIC SHADE STRUCTURE LIGHT MOUNTED 10'-3" ON STRUCTURE POLE. COLOR TO MATCH FABRIC SUPPORT POLES. AIM UP AT UNDERSIDE OF FABRIC.
G	120		X				BEAM	48.5	0.187 P12 POLYCARBONATE	KENALL MANUFACTURING N548-C-1-45L40K-DCC-1-DV	MOUNT AT CENTER BOTTOM OF ROOF BEAM, AIMED DOWN

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE 10% SPARE LAMPS OF EACH TYPE SCHEDULED TO THE OWNER.
2. ALL LAMPS SHALL HAVE A COLOR TEMPERATURE OF 3500 DEGRESS KELVIN.
3. CONTRACTOR SHALL CLEAN ALL LIGHTING FIXTURES AND REMOVE ANY VISIBLE LABELS.
4. CONTRACTOR SHALL VERIFY CEILING TYPES, MATERIALS AND MOUNTING REQUIREMENTS OF ALL LIGHTING FIXTURES PRIOR TO ORDERING.

PDA CONSULTING ENGINEERS

PANELBOARD : A (EXISTING)

VOLTS L-L:	240	PROJECT NAME:	BASKIN PARK
VOLTS L-N:	120	PROJECT NUMBER:	16013
PHASE:	3	PANEL LOCATION:	RESTROOM
WIRE:	4	BUS MATERIAL:	CU
MOUNTING:	SURFACE	GROUND BUS:	YES
ENCLOSURE:	NEMA 1	BRANCH BRKRS:	BOLT-ON
DATE:	09/14/2017	NEUTRAL RATING:	100%
		POLES REQUIRED:	42

3-PHASE - HIGH LEG
MLO: 225 MAIN BUS RATING: 225 AMPS
MCB: GFI MAIN: NO SHUNT TRIP: NO
AIC RATING: 10 K
FULLY RATED: YES
SERIES RATED:
BASIS OF DESIGN: SQD-NQOD-20"W. X 6.5"D.

<->	LOAD SERVED	PHASE "A" VA	PHASE "B" VA	PHASE "C" VA	CIRCUIT BREAKER AMP	CIRCUIT BREAKER POLE	CIRCUIT NUMBER		CIRCUIT BREAKER POLE	CIRCUIT BREAKER AMP	PHASE "A" VA	PHASE "B" VA	PHASE "C" VA	LOAD SERVED	<->
1	COURT #3	1640			3	3	1	2	3	30	2460			COURT #4	1
1	.....		2460				3	4				1640		.....	1
1	.....			1140			5	6					2460	.....	1
1	COURT #2	2460			30	3	7	8	3	30	1640			COURT #1	1
1	.....		2460				9	10				2460		.....	1
1	.....			1640			11	12					2460	.....	1
1	PRACTICE COURTS	1140			20	3	13	14	3	35	2764			SECURITY LIGHTS	1
1	.....		2280				15	16				2189		.....	1
1	.....			1140			17	18					2964	.....	1
3	PARK SHUTDOWN TIME SW	500			20	2	19	20	2	20	500			AREA LIGHTS TIME SW. AS-2	3
3	.....		500				21	22				500		.....	3
1	BREAK/RESTROOMS/MAINT AS-1			1393	20	1	23	24	1	15			360	PHONE BB	2
3	WATER PLAY PUMP	2640			45	3	25	26	1	15	640			PLUMB CHASE/MECH ROOM RECEPT	2
3	.....		2640				27	28	1			0		SPACE	3
3	.....			2640			29	30	1	20			640	BREAK ROOM	2
3	WATER CLOCK #4	500			15	1	31	32	1	20	640			BREAK ROOM	2
3	SPACE		0			1	33	34	1			0		SPACE	3
2	RECEPTACLES			540	20	1	35	36	1	20			0	SPARE	10
2	RECEPTACLES	540			20	1	37	38	3	45	2640			IRRIGATION PUMP	3
3	SPACE		0			1	39	40				2640		.....	3
1	HEAT LAMP			150	15	1	41	42					2640	.....	3
0	SUB-FEED													SUB-FEED	0
	SUB-TOTALS	9420	10340	8640							11084	9429	11424	SUB-TOTALS	

CONNECTED VA - PHASE A:	28604	CONNECTED AMPS - PHASE A:	170.9	CONNECTED KVA:	60.3
CONNECTED VA - PHASE B:	19769	CONNECTED AMPS - PHASE B:	164.7	NEC DIVERSITY KVA:	50.3
CONNECTED VA - PHASE C:	20073	CONNECTED AMPS - PHASE C:	167.3	NEC DEMAND KVA: (INCLUDING SPARE CAPACITY)	70.1
TOTAL CONNECTED VA:	60346	MAX. CONN. PHASE AMPS "A" @	170.9	NEC DEMAND AMPS: (INCLUDING SPARE CAPACITY)	168.8

GENERAL NOTES:
* BRANCH CIRCUIT BREAKERS SHALL BE ARRANGED AS INDICATED ABOVE. PHASING DEVIATIONS WILL NOT BE ALLOWED.
* ALL CIRCUIT BREAKERS FEEDING REFRIGERATION EQUIPMENT SHALL BE "HACR" TYPE PER EQUIPMENT NAMEPLATE.

BALANCED WITHIN 10%
ERROR CODES: 0

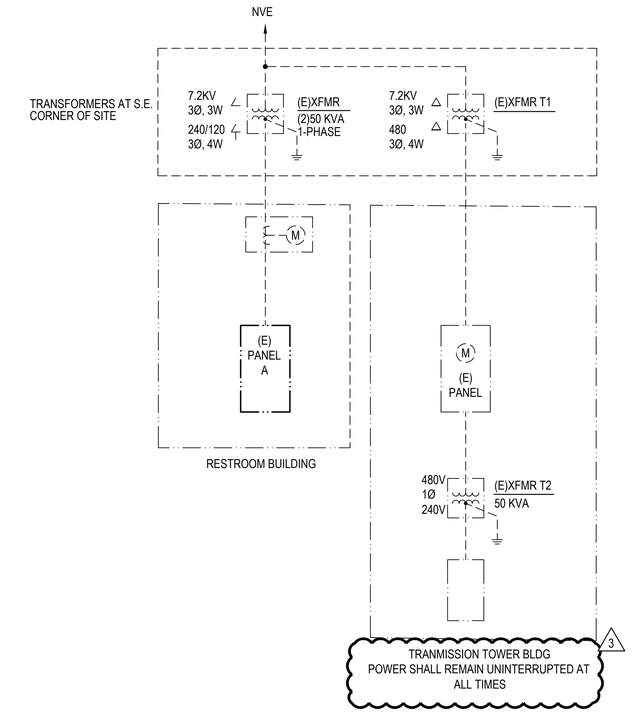
N.E.C. DEMAND CALCULATIONS FOR PANEL - A

1	CONNECTED LIGHTING LOAD	38945 VA	CONNECTED LIGHTING LOAD @	125% =	48683 VA
2	CONNECTED RECEPTACLE LOAD	3060 VA	1st 10 KW OF RECEPTACLES @ 100% + BALANCE @	50% =	3060 VA
3	CONNECTED EQUIPMENT LOAD	18340 VA	EQUIPMENT LOAD DEMANDED @	100% =	18340 VA
4	CONNECTED KITCHEN EQUIPMENT LOAD	0 VA	PER NEC 220-20, 0 KITCHEN UNITS @	100% =	0 VA
5	CONNECTED HEATING LOAD	0 VA	LARGER of HEATING or COOLING LOAD @	100% =	0 VA
6	CONNECTED COOLING LOAD	0 VA	LARGER of COOLING or HEATING LOAD @	100% =	0 VA
7	CONNECTED HEAT PUMP LOAD	0 VA	HEAT PUMP COMPRESSOR & HEAT STRIPS @	100% =	0 VA
11	CONNECTED ELEVATOR LOAD	0 VA	PER NEC 620-14, 0 ELEVATORS @	100% =	0 VA
12	CONNECTED MISC. MECHANICAL LOAD	0 VA	MISC. MECHANICAL LOAD @	100% =	0 VA
13	CONNECTED HOTEL GUEST ROOM LOAD	0 VA	HOTEL GUEST ROOM LOAD PER NEC 220-42		0 VA
14	CONNECTED NON-COINCIDENTAL LOAD	0 VA	NON-COINCIDENTAL LOAD (NON-ADDITIVE)		0 VA
	LARGEST MOTOR = 0 VA		VA OF LARGEST MOTOR @	25% =	0 VA
			ADDITIONAL SPARE CAPACITY ADDED	0% =	0 VA
	TOTAL CONNECTED:	60346 VA	TOTAL DEMAND:		70083 VA

LEGEND

- NEW OR REPLACEMENT EQUIPMENT
- EXISTING EQUIPMENT TO BE REVISED
- EXISTING EQUIPMENT TO REMAIN AS-IS
- EXISTING FEEDER/CABLE
- FUTURE EQUIPMENT AND CONDUIT
- (E) EXISTING EQUIPMENT
- (R) EXISTING EQUIPMENT TO BE REPLACED

Bob Baskin Park - Panel-A Service Calculations		
EXISTING 12 MO. DEMAND	36.0	kW
kVA @ .85 Pf	42.4	kVA
REMOVED LOADS	-1.4	kVA
SUBTOTAL:	41.0	kVA
Add 25% per NEC 220-35	10.3	kVA
ADDED LOADS:	23.8	kVA
TOTAL REVISED LOADS:	75.0	kVA
VOLTAGE:	240	VOLTS
PHASE:	3	
SERVICE AMPS:	180	AMPS



SINGLE LINE DIAGRAM

1

SCALE: NOT TO SCALE

ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS WITHIN THE SCOPE OF THIS PROJECT.

ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED FAULT CALCULATIONS WITHIN THE SCOPE OF THIS PROJECT.

CITY OF LAS VEGAS NEVADA

REVISIONS

3	11-13-17	REVIEW COMMENTS	GTF

CONSULTANT

Engineering Solutions From Outside the Box
PDA #16013
PDA Consulting Engineers, LLC
108 Market Street - Henderson, NV 89015
(702) 567-1022
email: pda@pdacorp.com

PUBLIC WORKS DEPARTMENT OF

BOB BASKIN PARK RENOVATION

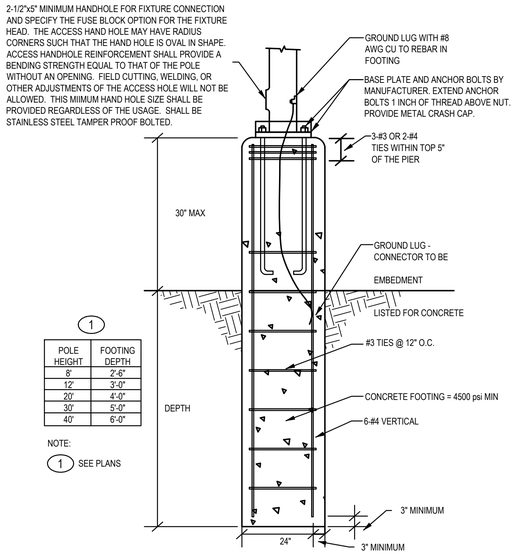
SINGLE LINE DIAGRAM AND SCHEDULES

PROFESSIONAL ENGINEER STATE OF NEVADA
GEORGE T. FOSTER, JR.
Exp. 6/30/19
ELECTRICAL
No. 13078
9/7/2017

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6276
FAX: (702) 384-4846

DRAWN	PDA
FILE	180101443
DATE	9-7-17
SCALE	SEE PLAN
BID NO	17.54875.JH
CLV DWG NO	650.27-7
SHT NO	E3.01



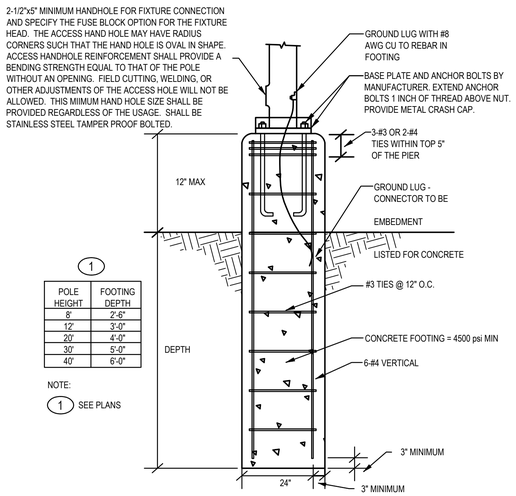
NOTE:
POUR ENTIRE BASE IN ONE POUR TO BASE PLATE AND SLOPE TOP AWAY FROM POLE. STRIP SONOTUBE FORMS OFF WHILE CONCRETE IS STILL GREEN (APPROXIMATELY FOUR HOURS AFTER POUR) AND STONE RUB TO PROVIDE SMOOTH, SEAMLESS SURFACE APPEARANCE, AND THEN LIGHT BROOM FINISH. WET CURE BASE FOR SEVEN DAYS. ATTEMPTS TO FILL AND SHAPE POURED BASES WILL NOT BE ALLOWED; IMPROPERLY POURED BASES MUS BE DEMOLISHED AND REPOURED.

TYPICAL SOUTHERN NEVADA BUILDING REGIONAL STANDARD POLE BASE DETAIL

A

SCALE: NOT TO SCALE

REFER TO DIVISION 26 DESIGN STANDARDS SECTION 26 56 00 FOR ADDITIONAL INFORMATION.



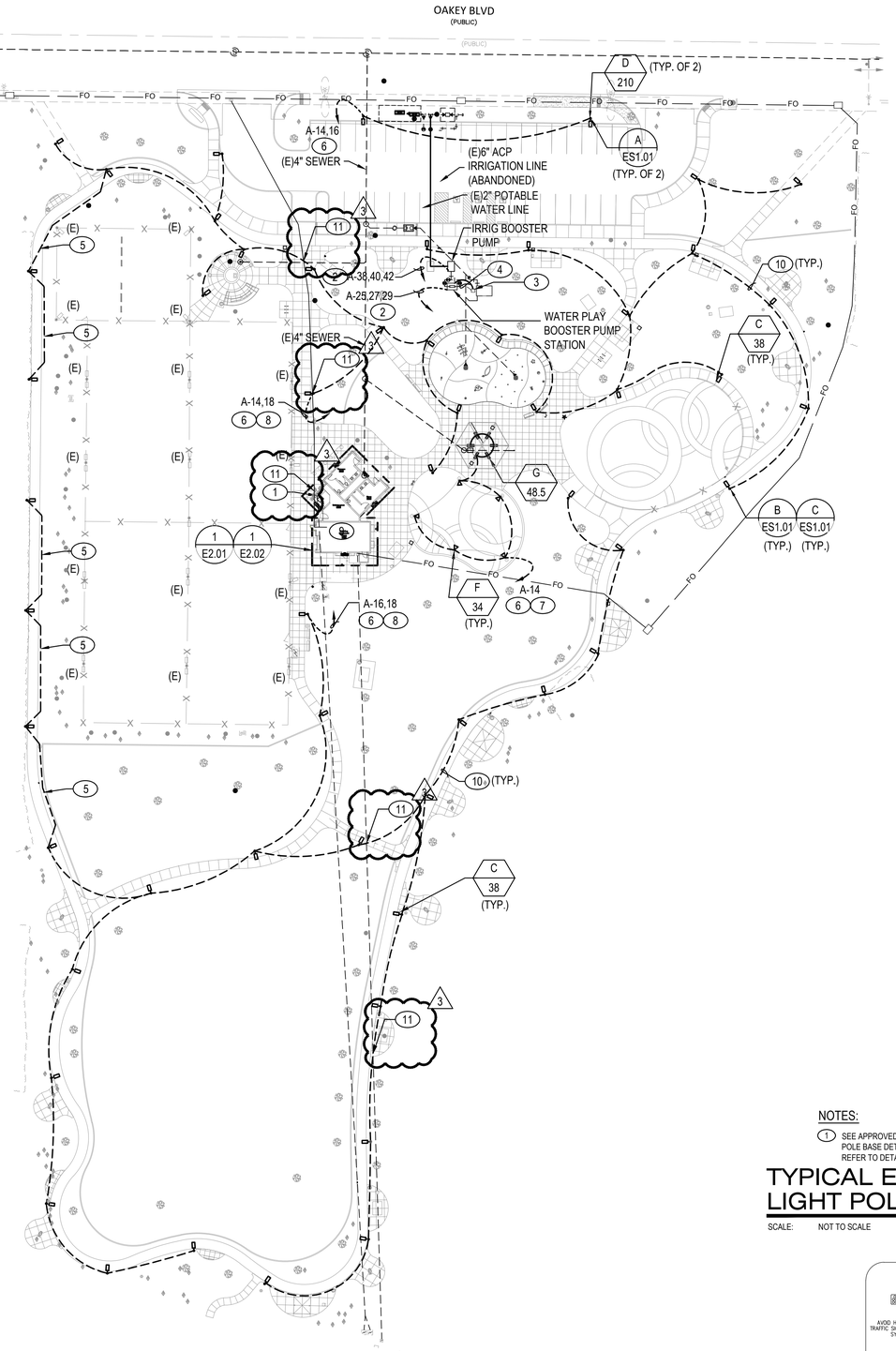
NOTE:
POUR ENTIRE BASE IN ONE POUR TO BASE PLATE AND SLOPE TOP AWAY FROM POLE. STRIP SONOTUBE FORMS OFF WHILE CONCRETE IS STILL GREEN (APPROXIMATELY FOUR HOURS AFTER POUR) AND STONE RUB TO PROVIDE SMOOTH, SEAMLESS SURFACE APPEARANCE, AND THEN LIGHT BROOM FINISH. WET CURE BASE FOR SEVEN DAYS. ATTEMPTS TO FILL AND SHAPE POURED BASES WILL NOT BE ALLOWED; IMPROPERLY POURED BASES MUS BE DEMOLISHED AND REPOURED.

TYPICAL SOUTHERN NEVADA BUILDING REGIONAL STANDARD POLE BASE DETAIL

B

SCALE: NOT TO SCALE

REFER TO DIVISION 26 DESIGN STANDARDS SECTION 26 56 00 FOR ADDITIONAL INFORMATION.



SITE LIGHTING PLAN

1

SCALE: 1" = 40'-0"

GENERAL NOTES

1. INFORMATION SHOWN IS BASED ON LIMITED FIELD SURVEYS. CONTRACTOR SHALL VERIFY ALL INFORMATION PRIOR TO BID WHICH MAY RESULT IN EXTRA WORK AND BRING SUCH ITEMS TO THE ATTENTION OF THE OWNER AT LEAST TEN DAYS PRIOR TO BID OPENING FOR RESOLUTION. SUBMITTAL OF BIDS FOR THE WORK IDENTIFIED IN THE CONSTRUCTION CONTRACT DOCUMENTS SHALL INDICATE TO THE OWNER THAT:

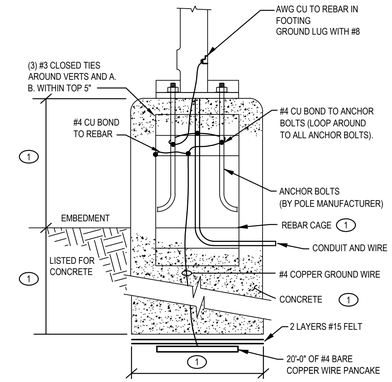
   a. YOUR DETAILED EXAMINATION OF THE DRAWINGS SPECIFICATIONS HAS REVEALED NO AMBIGUITIES WHICH NEED CLARIFICATION,

   b. ONLY AUTHORIZED DATA HAVE BEEN USED TO ARRIVE AT YOUR BID FIGURE, AND

   c. THE EXPERIENCE AND CAPABILITIES OF YOUR FIRM, YOUR WORKERS, AND SUBCONTRACTORS ARE ADEQUATE AND APPROPRIATE TO PERFORM THE CONSTRUCTION OF THIS TYPE OF PROJECT.

KEY NOTES

1. LB CONDULETS 12" AFG AT WALL PENETRATION. REFER TO SHEET ES2.01 FOR ADDITIONAL INFORMATION.
2. 3/4"C WITH (4)#8 & (1)#10 GRD.
3. WATER PLAY CONTROLLER.
4. LOW VOLTAGE WIRING FROM CONTROLLER TO VALVES.
5. ROUTE CONDUIT ON EAST SIDE OF TRAIL.
6. ALL SITE LIGHTING SHALL BE 1-1/4"C W/#8 CONDUCTORS.
7. ON/OFF BY ASTRONOMICAL TIME SWITCH, AS-1.
8. ON/OFF BY ASTRONOMICAL TIME SWITCH, AS-2.
9. REFER TO SHEET ES2.01.
10. AVOID TRENCHING NEAR TREES OR WITHIN TEMPORARY TREE PROTECTION FENCING.
11. TRANSMISSION TOWER POWER AND COMMUNICATIONS SHALL REMAIN ENERGIZED AT ALL TIMES. HAND DIG IN AREAS OF POWER SERVICE CONDUIT AND TELEPHONE SERVICE CONDUIT.



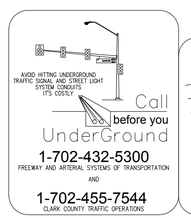
NOTES:

1 SEE APPROVED TYPICAL SOUTHERN NEVADA BUILDING REGIONAL STANDARDS POLE BASE DETAIL FOR FOUNDATION DESIGN OF REBAR AND CONCRETE DEPTHS. REFER TO DETAIL-A/ES1.01 AND DETAIL-B/ES1.01 FOR ABOVE GRADE EXPOSURE.

TYPICAL ELECTRICAL GROUNDING FOR LIGHT POLE FOUNDATIONS

C

SCALE: NOT TO SCALE



CITY OF LAS VEGAS NEVADA

PUBLIC WORKS

REVISIONS

3	11-13-17	REVIEW COMMENTS	GTF

CONSULTANT

Engineering Solutions From Outside the Box
PDA #16013

PDA Consulting Engineers, LLC
108 Market Street - Henderson, NV 89015
(702) 567-1022
email: pda@pdacorp.com

BOB BASKIN PARK RENOVATION

SITE LIGHTING PLAN AND DETAILS

PROFESSIONAL ENGINEER STATE OF NEVADA
GEORGE T. FOSTER, JR.
Exp. 6/30/19
ELECTRICAL
No. 13078
9/7/2017

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

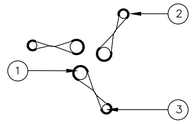
DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6276
FAX: (702) 384-4846

DRAWN	PDA
FILE	180101443
DATE	9-7-17
SCALE	SEE PLAN
BID NO	17.54875.JH
CLV DWG NO	650.27-7
SHT NO	ES1.01

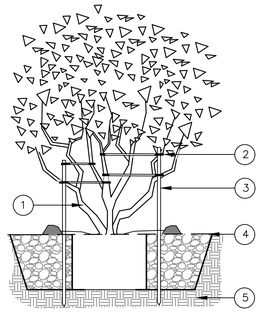
DEPARTMENT OF PUBLIC WORKS

1 MULTI-TRUNK TREE PLANTING
L3.05 SECTION — SCALE: NTS

LEGEND:
1. MULTI–TRUNK
2. ½" RUBBER HOSE AND #12 GA. WIRE. MAINTAIN 4"–6" LOOP. SECURE TO LODGE POLE STAKES W/HEAVY DUTY STAPLES. STAKE ONLY IF REQUIRED. THREE ROUND LODGE POLE STAKES SET 6" INTO UNDISTURBED SUBGRADE. CUT OFF
3. LODGE POLE WOOD STAKE.
4. FINISH GRADE.
5. SUBGRADE



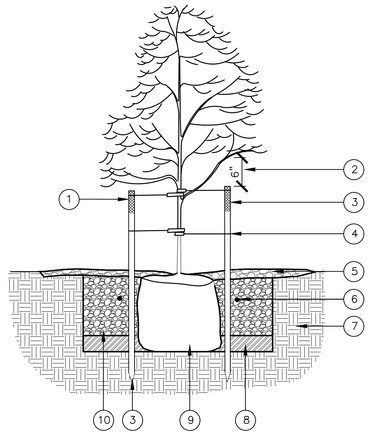
PLAN VIEW



TREE ELEVATION/ROOT BALL SECTION

NOTES:
a. DO NOT STAKE IF THE TREE IS STRONG ENOUGH WITHOUT STAKING.
b. TOP OF STAKES TO BE 6" BELOW BOTTOM BRANCHES.
c. SEE DETAIL 1, THIS SHEET FOR OTHER TREE PLANTING REQUIREMENTS.

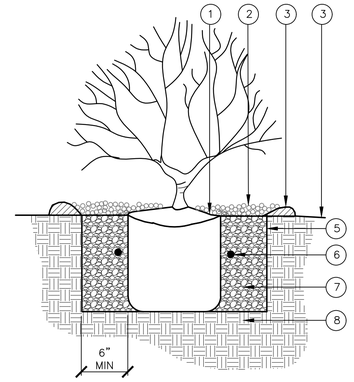
2 STANDARD TREE PLANTING
L3.05 SECTION — SCALE: NTS



LEGEND:
1. ½" RUBBER HOSE LOOPED WITH 12 GA. WIRE. MAINTAIN 6–4" LOOP MIN. FOR TREE GROWTH. USE 12 GA. VINYL COATED WIRE, DBL. STRAND FOR TREE TIE. STAPLE WIRE TO TREE STAKE.
2. TRIM TREE STAKES 6" BELOW FIRST SCAFFOLD BRANCH.
3. 2"x2" DOUGLAS FIR STAKE. DRIVE 4" MIN. INTO UNDISTURBED SOIL BELOW ROOT BALL.
4. MIDDLE TIES ⅓ WAY BETWEEN TOP TIES AND GROUND. STAPLE WIRE TO TREE STAKES.
5. MULCH
6. FERTILIZER TABLETS, 4 TABLETS PER 15 GAL. TREE, TYP.
7. UNDISTURBED SUBGRADE
8. 6" FOOT TAMPED SOIL AROUND THE ROOT BALL TO ENSURE PLANT STABILITY.
9. ROOT BALL
10. BACKFILL MIXTURE

NOTES:
a. HEIGHT OF STAKE VARIES.
b. TOP TIE PLACED FOR MAXIMUM SUPPORT.

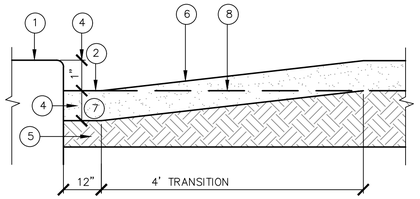
3 SHRUB PLANTING
L3.05 SECTION — SCALE: NTS



LEGEND:
1. PLANT CROWN OF ROOT BALL AT FINISH GRADE.
2. 2" GRAVEL MULCH WITH ½" ON ROOT BALL. TAPER TO BASE OF TRUNK.
3. TEMPORARY 3" HIGH BERM (REMOVE WHEN IRRIGATION IS OPERATIONAL).
4. MAXIMUM 3:1 SLOPE ON DECOMPOSED GRANITE, 4:1 SLOPE ON TURF AREAS.
5. SCARIFY SIDES OF HOLE PRIOR TO PLANTING.
6. FERTILIZER TABLETS.
7. BACKFILL MIXTURE.
8. 5 AND 15 GALLON PLANT ROOT BALLS MAY SIT SLIGHTLY ABOVE STREET RETAINING WALL FOOTING. PROVIDE AS MUCH PLANTING BACKFILL BETWEEN ROOT BALL AND FOOTING AS POSSIBLE.

NOTES:
a. WHEN SHRUB IS PLANTED ON A SLOPE, IRRIGATION EMITTERS ARE TO BE INSTALLED ON THE UPHILL SIDE.
b. DO NOT PLACE TOPSOIL OR FILL MATERIAL ON TOP OF ROOTBALL; TOP OF ROOTBALL TO BE ½" ABOVE ADJACENT GRADE.

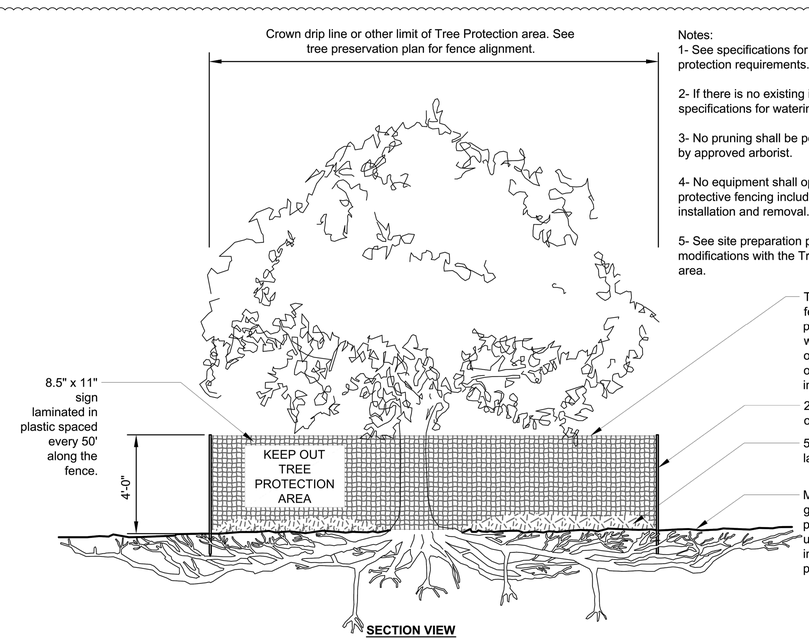
4 LANDSCAPE ROCK
L3.05 SECTION — SCALE: NTS



SECTION

1. CONCRETE PAVING, CURBING, AC PAVEMENT, OR DROP INLET STRUCTURE.
2. ROCK FINISH GRADE
3. APPLY PRE–EMERGENT HERBICIDE ABOVE AND BELOW DECORATIVE ROCK.
4. ROCK
5. COMPACTED SOIL
6. DECORATIVE ROCK – SEE PLANTING PLAN
7. ROCK DEPTH VARIES – SEE PLANTING PLAN/LEGEND
8. SITE GRADE PER CIVIL PLANS – OVER EXCAVATE MIN. 12" FOR ROCK AT EDGES – TRANSITION NEW SUBGRADE MIN. 4' TO CIVIL GRADE

5 TREE PROTECTION FENCING
L3.05 SECTION — SCALE: NTS



SECTION VIEW

Notes:
1- See specifications for additional tree protection requirements.

2- If there is no existing irrigation, see specifications for watering requirements.

3- No pruning shall be performed except by approved arborist.

4- No equipment shall operate inside the protective fencing including during fence installation and removal.

5- See site preparation plan for any modifications with the Tree Protection area.

3

CITY OF LAS VEGAS NEVADA

REVISIONS
3 11-13-17

CONSULTANT
Stantec
3010 W. CHARLESTON BLVD, SUITE 100
Las Vegas, NV 89102-1949 P: (702) 878-8010
www.stantec.com

DEPARTMENT OF PUBLIC WORKS

BOB BASKIN PARK RENOVATION

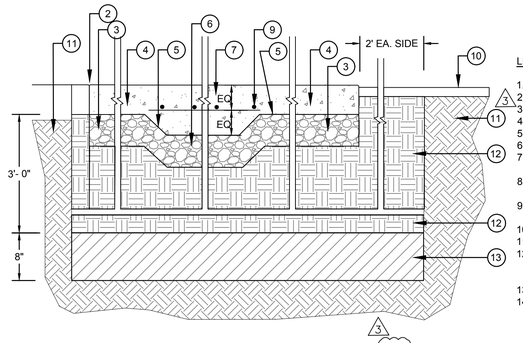
PLANTING DETAILS

STAMP
REGISTERED LANDSCAPE ARCHITECT GARY K. BAIRD 405 STATE OF NEVADA
12-31-17

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6276
FAX: (702) 384-4846

DRAWN	LR
FILE	180101443
DATE	9/7/2017
SCALE	SEE PLAN
BID NO	17.54875.JH
CLV DWG NO	640.27-7
	Hansen 54875
SHT NO	L3.05

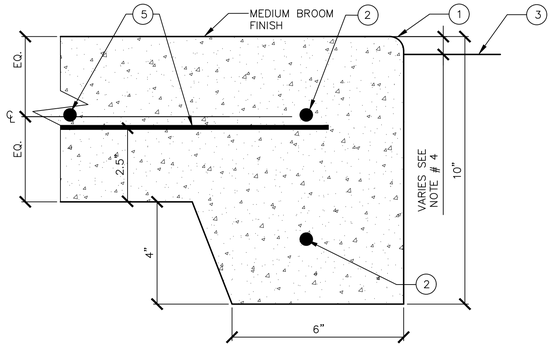


LEGEND:

1. ADJACENT PAVEMENT F.G. (WHERE OCCURS)
2. 1/4" R- TYP.
3. TYPE II AGG. BASE- COMPACT 90% MIN.
4. 5" CONCRETE PAVEMENT-4,500 PSI MIN. (TYP.)
5. 45 DEGREE TRANSITION
6. 6" TYPE II AGG. BASE- COMPACT 90% MIN.
7. 6" CONCRETE PAVEMENT (WHERE SPECIFIED), 4,500 PSI MIN.
8. MED. BROOM FINISH- TYP. (UNLESS OTHERWISE SPECIFIED)
9. #4 REBAR 18" O.C.E.W IN 6" CONCRETE PAVEMENT
10. ADJACENT PLANTER F.G.
11. NATIVE SOIL
12. OVEREXCAVATE AND INSTALL STRUCTURAL FILL-SEE DETAIL 2, SHEET L4.09 AND SEE EARTHWORK SPEC.
13. SCARIFY AND RECOMPACT TO 90% MIN.- SEE EARTHWORK SPEC. AND DETAIL 2, SHEET L4.09

1 L4.01 SITE CONCRETE PAVEMENTS - 5" AND 6"

SCALE: NONE

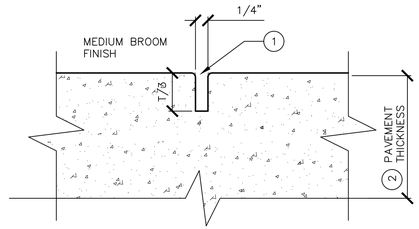


LEGEND:

1. ¼"R
2. (2) #4 REBAR
3. ADJACENT PLANTER OR TURF F.G.
4. 1"D.G./ 1.5"TURF/ 0" ADJACENT PAVEMENTS
5. REBAR–SEE DETAIL 1

2 L4.01 6" CONCRETE PAVEMENT OUTER THICKENED EDGE

SCALE: NONE



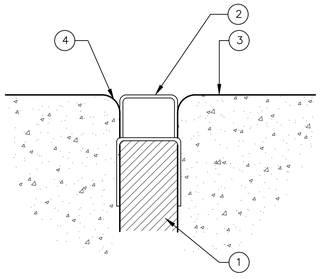
LEGEND:

1. TOOLED CONTROL JOINT, ¼"R EDGES
2. PAVEMENT THICKNESS 5" (EXCEPT WHERE SPECIFIED ON PLAN 6") 3

3 L4.01 CONCRETE PAVEMENT CONTROL JOINT: SECTION (PLAZAS AND WALKWAYS)

SCALE: NONE

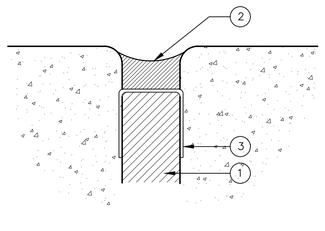
ALL SITE CONCRETE PAVEMENTS SHALL BE MINIMUM 5" THICK 3



A CONDITION AT CONCRETE INSTALLATION STEP 1

LEGEND:

1. ½" BITUMINOUS FIBERBOARD FILLER
2. ½" WIDE EXPANSION JOINT CAP WITH REMOVABLE PVC TOP – INSTALL FLUSH WITH CONCRETE SURFACE, REMOVE PVC TOP AND INSTALL SEALANT, SEE STEP 2
3. CONCRETE PAVEMENT (STAMPED CONCRETE PATTERNS–SEE HARDSCAPE PLANS
4. 1/4"R–TYP.



B CONDITION AFTER CONCRETE INSTALLATION STEP 2

LEGEND:

1. ½" BITUMINOUS FIBERBOARD FILLER
2. ½" WIDE POLYURETHANE SEALANT–MATCH PAVEMENT COLOR, SUBMIT SAMPLES FOR INTEGRAL COLOR AREAS
3. LOWER PORTION OF EXPANSION JOINT CAP TO REMAIN

4 L4.01 EXPANSION JOINT INSTALLATION IN CONCRETE

SCALE: NONE

A CONDITION A: 5" PAVEMENT

B CONDITION B: 6" PAVEMENT

LEGEND:

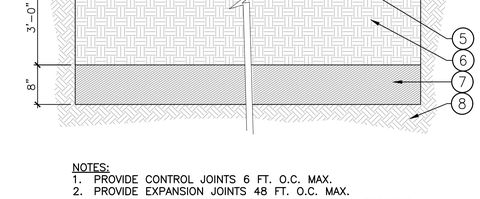
1. EXPANSION OR CONSTRUCTION JOINT
2. 1/2" DIA. x 16" GREASED DOWEL AT 2' O.C.
3. REINFORCING
4. MIN. 8" WD. x 8" D. SURFACE AREA OR 8" WD. x CONTINUOUS THICKENED PAVEMENT
5. MIN. 10" WD. x 10" D. SURFACE AREA OR 10" WD. x CONTINUOUS THICKENED PAVEMENT
6. 2" MIN. CLEAR
7. 3" MIN. CLEAR

NOTES:

1. WHERE NEW PAVEMENT ABUTS EXISTING WALKWAYS–DRILL HOLES IN EXISTING PAVEMENT TO RECEIVE GREASED DOWEL

5 L4.01 CONCRETE PAVEMENT JOINT REINFORCING

SCALE: NONE



NOTES:

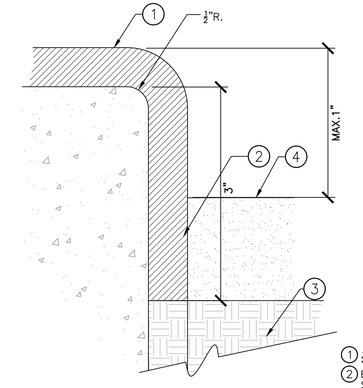
1. PROVIDE CONTROL JOINTS 6 FT. O.C. MAX.
2. PROVIDE EXPANSION JOINTS 48 FT. O.C. MAX.
3. CONCRETE FINISH (PER TRACK SURFACING MANUFACTURE REQUIREMENTS).

1. TRACK SURFACING MIN. 1/2". THICKNESS BONDED TO CONCRETE SURFACE – SEE SPECIFICATIONS 3
2. 5" PEDESTRIAN CONCRETE PAVEMENT MIN. 4500 PSI CONC. TYPE V CEMMENT
3. EDGE CONDITION "A" 7 L4.01
4. LANDSCAPE PLANTER DECOMPOSED GRANITE (WHERE OCCURS)
5. 4" MIN. TYPE 2 AGGREGATE BASE– COMPACT 90% MIN.
6. OVER EXCAVATE MIN. 3 FT. BELOW EXISTING GRADE AND REINSTALL AS STRUCTURAL FILL–SEE EARTHWORK SPECIFICATION AND DETAIL 2, SHEET L4.09.
7. SCARIFY AND RECOMPACT 8" DEPTH AT 90% MIN. COMPACTION
8. UNDISTURBED SOIL
9. PLANTER FINISH GRADE

6 L4.01 JOGGING TRACK (NON-TREE ZONE)

SCALE: NONE

PROJ–BASKPRK–56

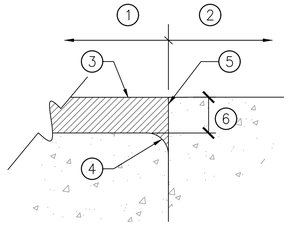


1. ½" TRACK SURFACE
2. EXTEND SURFACING DOWN SIDE OF CONCRETE PAVEMENT TO DECOMPOSED GRANITE (D.G.) SUBGRADE
3. D.G. SUBGRADE
4. D.G. FINISH GRADE DEPTH PER PLANTING PLAN DETAIL ON SHEET L3.05

7 L4.01 JOGGING TRACK EDGE CONDITION "A"

SCALE: 1" = 1"

PROJ–BASKPRK–53

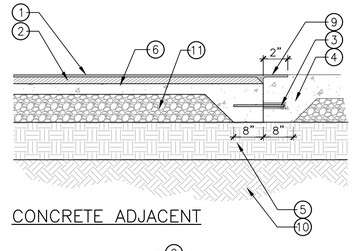


1. NEW JOGGING TRACK
2. NEW ADJACENT CONCRETE PAVEMENT OR CURB.
3. 1/2" TRACK SURFACE
4. 1/4" RADIUS
5. 0" RADIUS
6. PROVIDE 1/2" CONCRETE PAVEMENT SEPARATION SO TRACK SURFACE IS FLUSH WITH ADJACENT CONCRETE PAVEMENT.

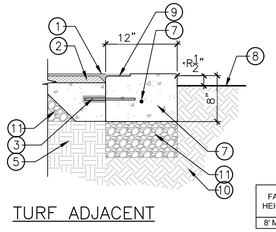
8 L4.01 JOGGING TRACK EDGE CONDITION "B"

SCALE: 1" = 1"

PA–SURF–04



CONCRETE ADJACENT



TURF ADJACENT

1. RESILIENT SURFACING PER SHEET L2.04. LAYER THICKNESS PER FALL HEIGHT CHART.
2. STYRENE BUTADIENE RUBBER (SBR). LAYER THICKNESS PER FALL HEIGHT CHART
3. DOWELED JOINT PER DETAIL 5, THIS SHEET
4. PROVIDE A MIN. 10"D. X 8"WD. THICKENED EDGE ON ADJACENT CONCRETE PAVEMENTS.
5. OVER–EXCAVATE AND INSTALL STRUCTURAL FILL PER DETAIL 1, THIS SHEET. DOES NOT APPLY TO EXISTING TOTLOT–REGRADE UNIFORM AND COMPACT.
6. 2500 PSI LIGHT CONCRETE SLURRY COURSE 2" DEPTH
7. #4 REBAR CONTINUOUS, 3" CLEAR
8. FINISH GRADE
9. PROVIDE A 1/2"D. X 2" NOTCH (SQ.EDGES) TO RECEIVE EXTENSION OF 1/2" EPDM SURFACE BOND TO CONCRETE.
10. NATIVE SOIL
11. 5"D. TYPE II AGGREGATE BASE COMPACTED 90% MIN.

NOTES:

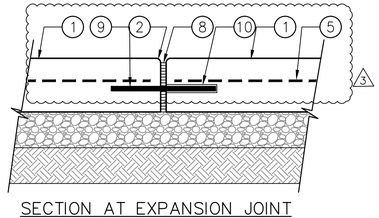
1. PROVIDE VERTICAL SCORE JOINTS (1" DEEP) AT HORIZONTAL SCORE LINES.
2. REFER TO RESILIENT SURFACING MANUFACTURER'S INSTALLATION INSTRUCTION FOR MORE INFORMATION.

FALL HEIGHT	OVERALL THICKNESS	FOAM THICKNESS	SBR THICKNESS	PEBBLE FLEX (RESILIENT SURFACING) THICKNESS	POURED IN PLACE EPDM (RESILIENT SURFACING) THICKNESS
8' MAX.	3-1/2"	N/A	3"	N/A	1/2"

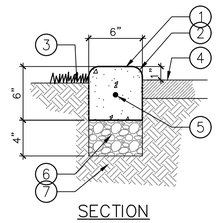
9 L4.01 RESILIENT PLAY SURFACING AND EDGE CONDITIONS

SCALE: NONE

PROJ–BASKPRK–33



SECTION AT EXPANSION JOINT



SECTION

1. CONCRETE MOWCURB WITH MEDIUM BROOM FINISH.CURB MAY BE EXTRUDED OR FORMED IN PLACE.
2. 1/4" RADIUS EDGE, TYP.
3. TURF GRADE. HOLD 1/2" BELOW TOP OF MOWCURB IN SEED OR 1–1/2" FOR SOD.
4. FINISH GRADE OF PLANTER AREA.
5. #4 HORIZONTAL REBAR, CONTINUOUS EXCEPT AT EXPANSION CONSTRUCTION JOINTS. SEE DETAIL: 5 L4.01
6. CLASS II AGGREGATE BASE, COMPACTED 90% MIN.
7. COMPACTED SUBGRADE 90% MIN.
8. INSTALL BITUMINUM FIBER EXPANSION JOINTS AT 30'–0" O.C.MAX AND AT ADJACENT PAVING. INSTALL SCORE JOINTS AT 6'–0" O.C.
9. 12" SMOOTH DOWEL
10. PVC SLEEVE (ONE SIDE)

10 L4.01 6" CONCRETE MOW CURB

SCALE: 1" = 1'–0"

CURB–10

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DEPARTMENT OF PUBLIC WORKS

BOB BASKIN PARK RENOVATION

DETAILS

STAMP

REGISTERED LANDSCAPE ARCHITECT GARY K. BAIRD 405 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

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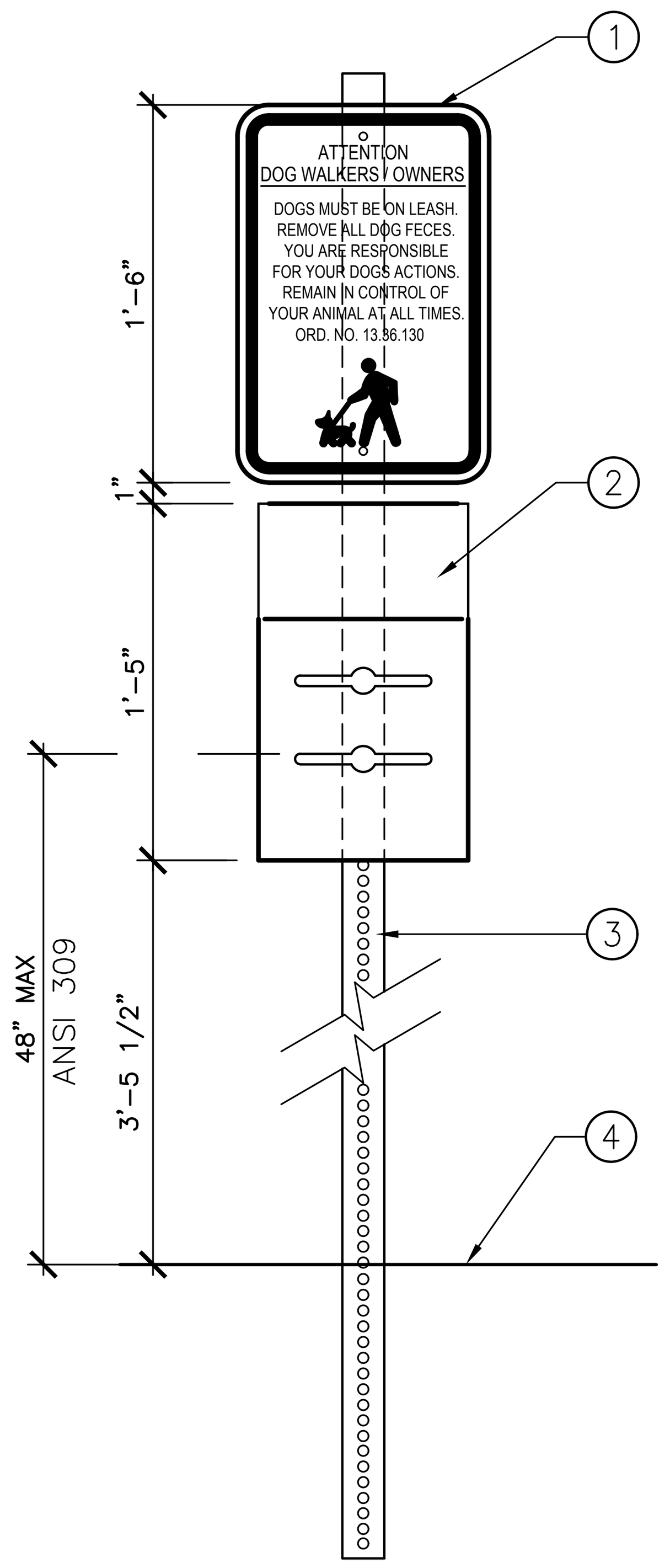
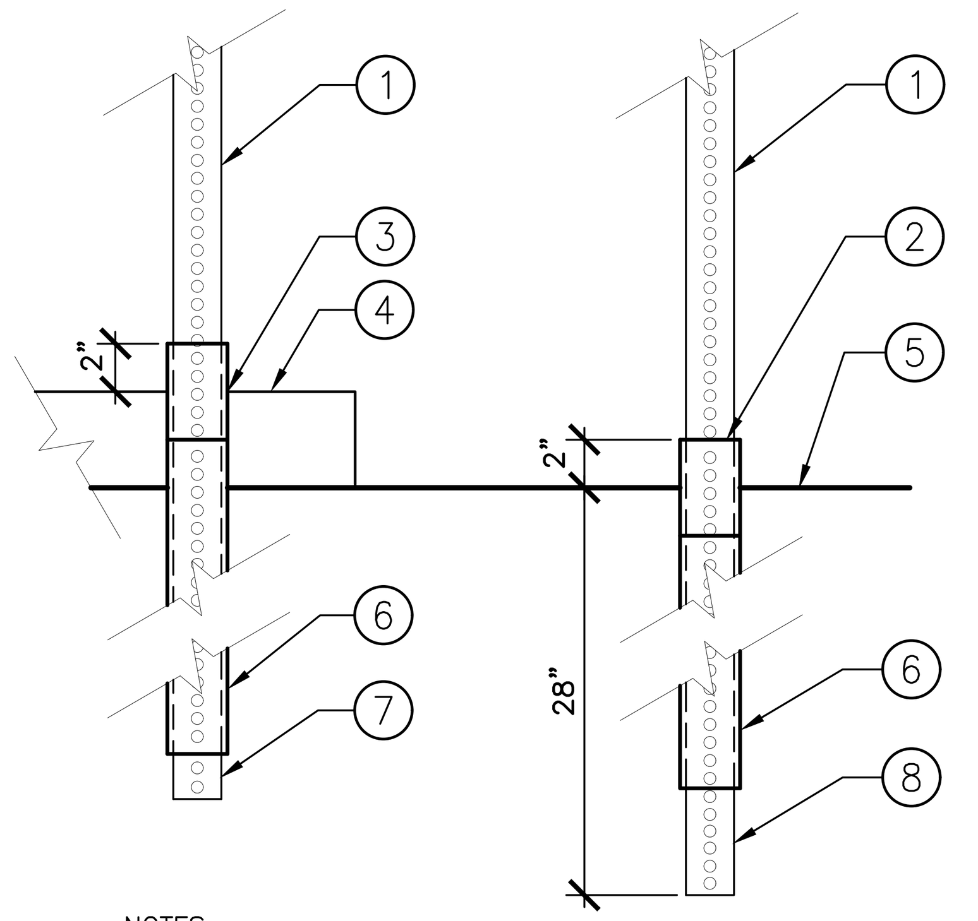
DRAWN	LR
FILE	180101443
DATE	9-7-17
SCALE	SEE PLAN
BID NO	17.54875.JH
CLV DWG NO	650.27-7
SHT NO	L4.01



1. SEE DETAIL THIS SHEET FOR ENLARGEMENT
2. POLY DOGIPOT JUNIOR BAG DISPENSER (ITEM #1007-2) 400 BAGS
3. 2" SQ. METAL POST FOR MOUNTING (5'-6" TALL). SEE DETAIL THIS SHEET FOR INSTALLATION.
4. FINISH GRADE

4 DOG BAG STATION
L4.03
SCALE: 1 1/2" = 1'-0"
PROJ-BASKPRK-44



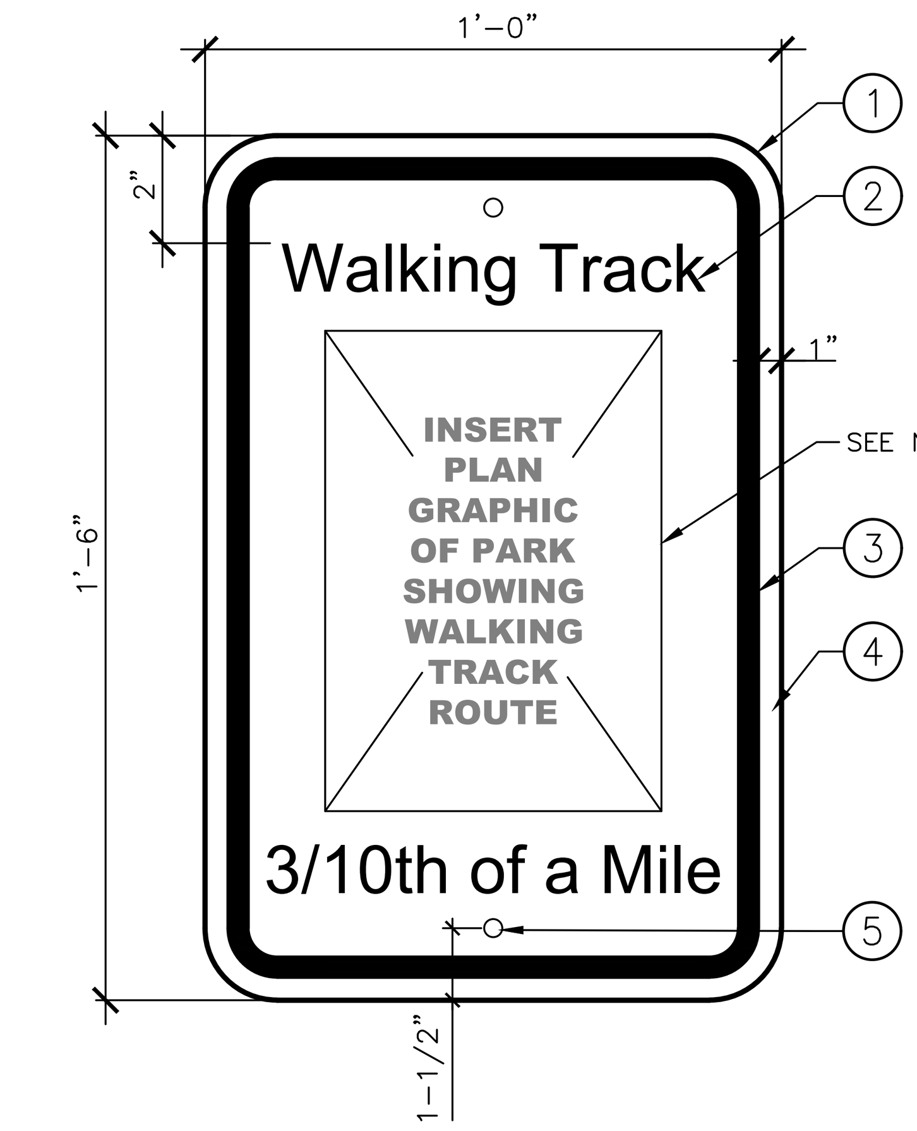
1. 2" SQ. METAL SIGN POST.
2. TOP OF ANCHOR AND SLEEVE.
3. FOR SIDEWALK INSTALLATION, DRILL SIDEWALK WITH A 3" HOLE, THE CENTER TO BE 6" MINIMUM FROM EDGE OF SIDEWALK.
4. FINISH GRADE (TOP OF SIDEWALK).
5. FINISH GRADE (IN PLANTER AREA).
6. 2-1/2" X 18" SLEEVE.
7. 2-1/4" X 18" ANCHOR.
8. 2-1/4" X 30" ANCHOR.

NOTES:
1. ALL COMPONENTS SHALL BE SQUARE POST, PERFORATED ON ALL FOUR SIDES.
2. ATTACH ANCHOR AND SLEEVE TOGETHER PRIOR TO DRIVING INTO GROUND. LEAVE AT LEAST ONE HOLE, BUT NO MORE THAN TWO, ABOVE GROUND OR ABOVE SIDEWALK.
3. ATTACH POST TO ANCHORING SYSTEM BY USING AT LEAST TWO 3/8" DIA. DRIVE RIVETS.
4. PROVIDE 4" MINIMUM LAP BETWEEN POST AND THE ANCHOR/SLEEVE ASSEMBLY.
5. PROVIDE TWO SUPPORT POSTS AT PARK RULES SIGN.

1 SIGN POST INSTALLATION
L4.03
SCALE: 1 1/2" = 1'-0"
PROJ-BASKPRK-42

1. ALUMINUM SIGNS (.080").
2. ENGINEERED WHITE SHEETING BACKGROUND.
3. SILK-SCREEN APPLIED COLOR OVER BACKGROUND MATERIAL. (INKS SHALL HAVE A LIGHT FASTNESS RATING OF 7-8 ON THE DIN 16525 (WOOL SCALE) OR EQUIVALENT INDUSTRY STANDARD, AND MUST BE ABLE TO WITHSTAND 375 DEGREES FAHRENHEIT (190 DEGREES CELSIUS) WITHOUT NOTICEABLE CHANGE OF PIGMENTATION. INKS SHALL BE FORMULATED USING A COMPUTER COLORIMETRY SYSTEMS AND SHALL BE MATCHED WITH A TOLERANCE OF ±0.1 GRAMMES.
4. PROVIDE UV INHIBITORS IN COLOR.
5. PROVIDE 3M SCOTCHLITE PROTECTIVE OVERLAY FILM SERIES 1150.
6. REFERENCE SIGN DRAWINGS FOR HOLE LOCATIONS.

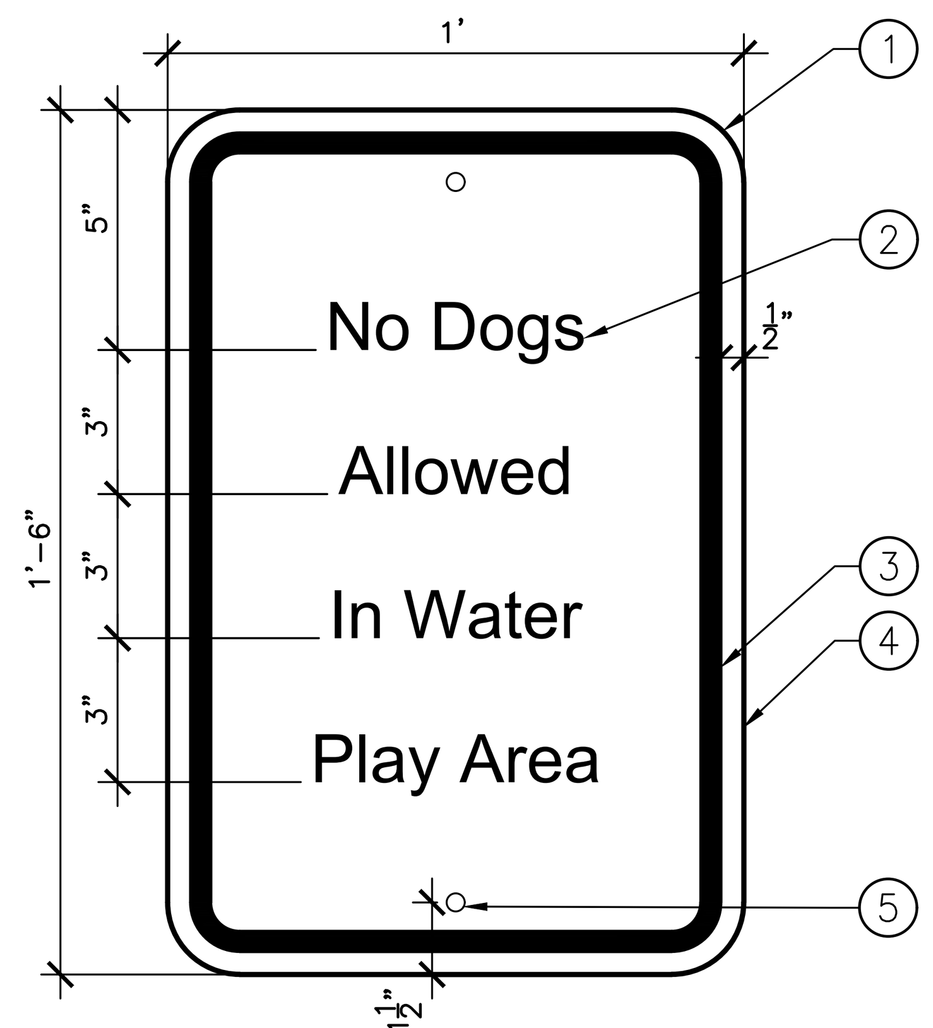
2 SIGN SPECIFICATIONS
L4.03
SCALE: NONE
PROJ-BASKPRK-41



NOTES:
1. OWNER TO SUPPLY DIGITAL GRAPHIC DURING CONSTRUCTION.

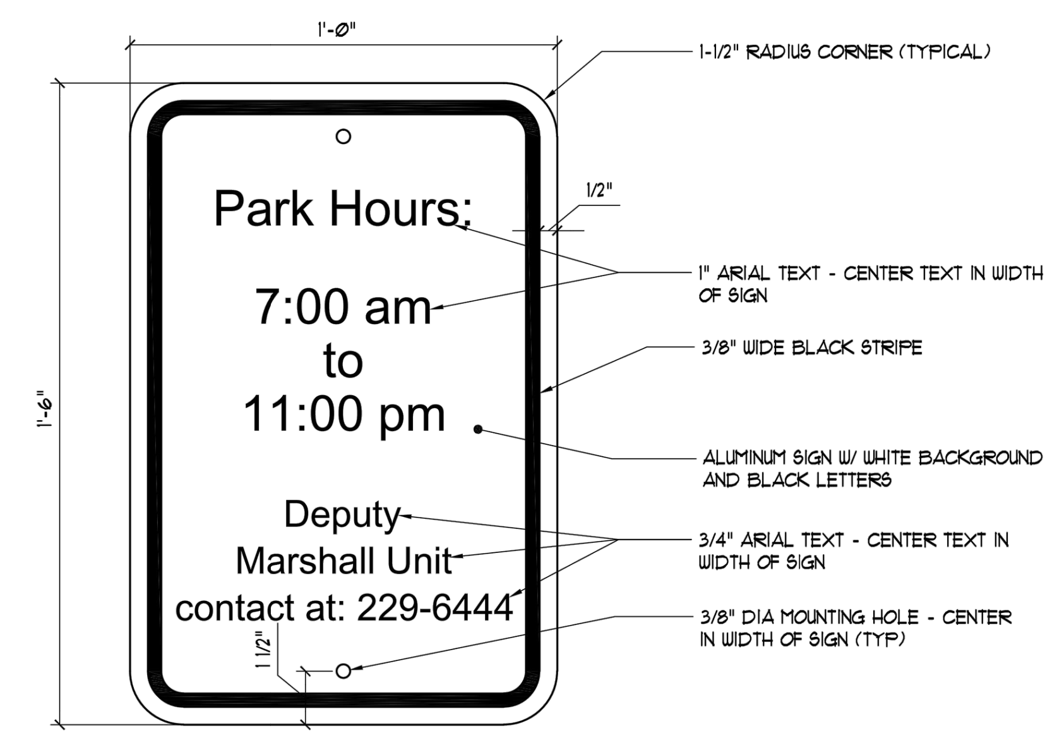
1. 1-1/2" RADIUS CORNER (TYPICAL)
2. 2" ARIAL TEXT - CENTER TEXT IN WIDTH OF SIGN
3. 3/8" WIDE BLACK STRIPE
4. ALUMINUM SIGN W/ WHITE BACKGROUND AND BLACK LETTERS
5. 3/8" DIA MOUNTING HOLE - CENTER IN WIDTH OF SIGN (TYP). PROVIDE 2" SQ. POST FOR MOUNTING. SEE DETAIL THIS SHEET.

3 INFORMATIVE SIGNAGE
L4.03
SCALE: 3" = 1'-0"



1. 1-1/2" RADIUS CORNER (TYPICAL)
2. 1" ARIAL TEXT - CENTER TEXT IN WIDTH OF SIGN
3. 3/8" WIDE BLACK STRIPE
4. ALUMINUM SIGN W/ WHITE BACKGROUND AND BLACK LETTERS
5. 3/8" DIA MOUNTING HOLE - CENTER IN WIDTH OF SIGN (TYP). PROVIDE 2" SQ. POST FOR MOUNTING. SEE DETAIL THIS SHEET.

5 WATER PLAY AREA SIGN
L4.03
SCALE: 3" = 1'-0"
PROJ-BASKPRK-46



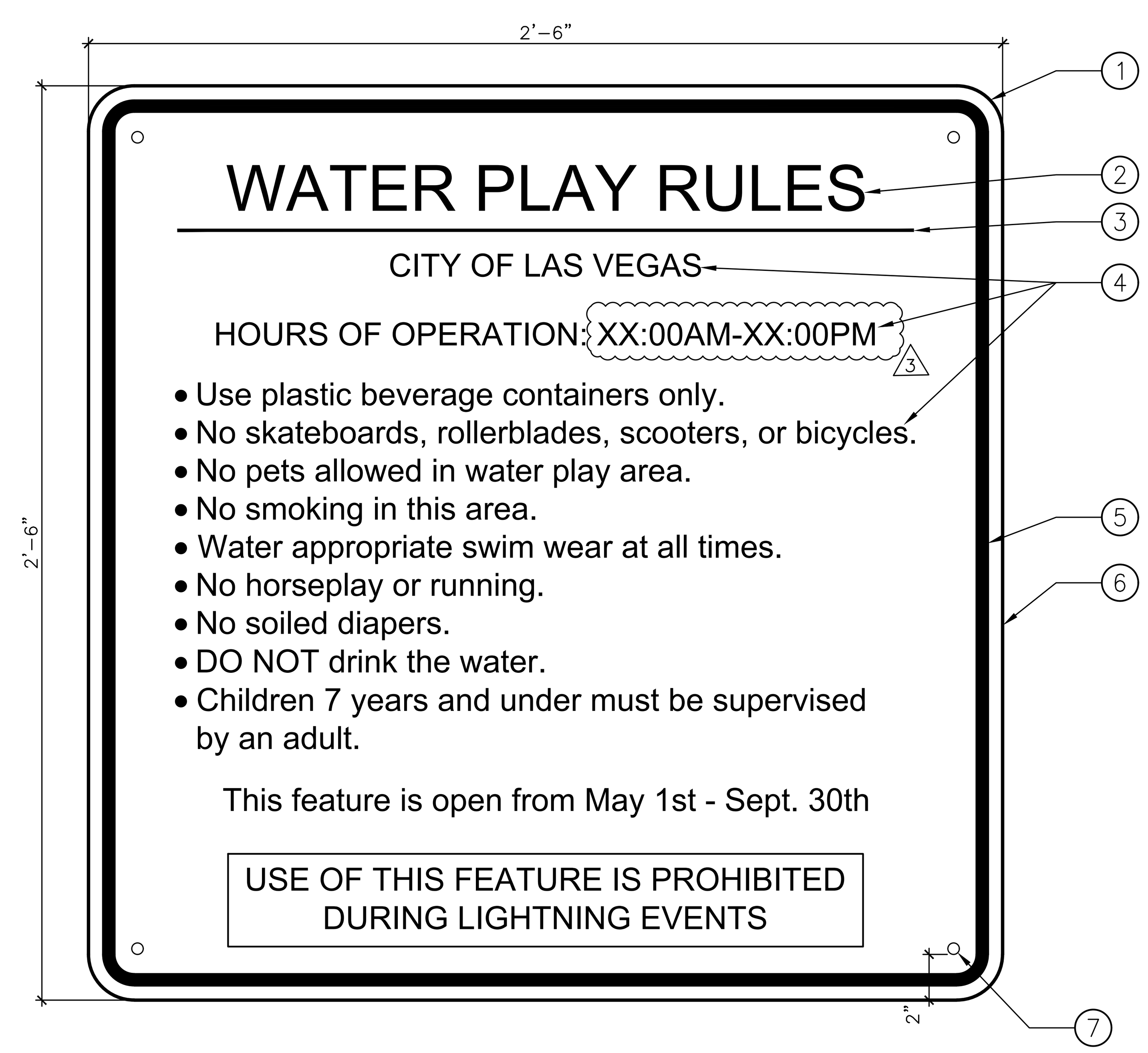
NOTE: VERIFY PARK HOUR TIMES WITH CITY PROJECT MANAGER

3

8 PARK HOURS SIGN-PLACE NEXT TO PARK RULES SIGN
L4.03
SCALE: NONE

1. 1-1/2" RADIUS CORNER (TYPICAL)
2. 3" ARIAL NARROW TEXT - CENTER TEXT IN WIDTH OF SIGN
3. 1-1/2" ARIAL NARROW TEXT - CENTER TEXT IN WIDTH OF SIGN
4. 1/8" THK LINE - CENTER IN WIDTH OF SIGN AND EVENLY BETWEEN TEXT
5. 1-1/4" ARIAL NARROW TEXT - CENTER TEXT IN WIDTH OF SIGN
6. 3/8" WIDTH BLACK STRIPE
7. ALUMINUM SIGN W/ WHITE BACKGROUND AND BLACK LETTERS
8. 3/8" DIA MOUNTING HOLE - CENTER IN WIDTH OF SIGN (TYP). PROVIDE 2" SQ. POST FOR MOUNTING. SEE DETAIL 1 L4.03

6 ATTENTION DOG WALKERS SIGN
L4.03
SCALE: 3" = 1'-0"
LSVG-SI-03



1. 1-1/2" RADIUS CORNER (TYPICAL)
2. 1-1/2" ARIAL TEXT - CENTER TEXT IN WIDTH OF SIGN
3. 1/8" THK LINE - CENTER IN WIDTH OF SIGN AND EVENLY BETWEEN TEXT
4. 3/4" ARIAL TEXT - CENTER TEXT IN WIDTH OF SIGN (VERIFY TIMES TO BE USED WITH CITY PROJECT MANAGER. 3
5. 3/8" WIDTH BLACK STRIPE
6. ALUMINUM SIGN W/ WHITE BACKGROUND AND BLACK LETTERS
7. 3/8" DIA MOUNTING HOLE - AT ALL 4 CORNERS (TYP). PROVIDE 2" SQ. POST FOR MOUNTING. SEE DETAIL 1 L4.03

7 WATER PLAY RULES SIGN
L4.03
SCALE: 3" = 1'-0"
LSVG-SI-04

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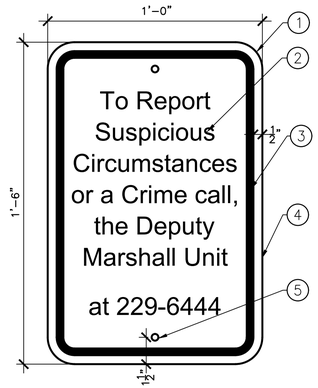
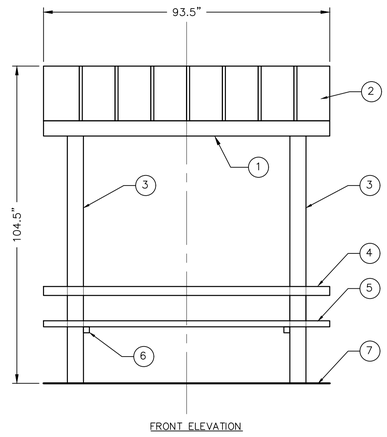


1 L4.04 REPORT VANDALISM SIGN

SCALE: 3" = 1'-0"

CSTD-COVEGAS-10



LEGEND:

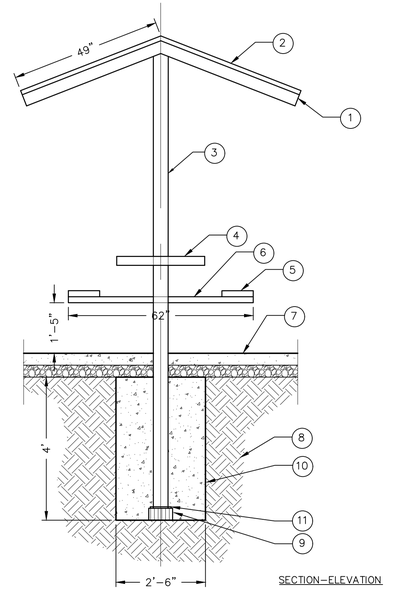
1. REMOVE AND DISPOSE OF THE EXISTING WOOD FASCIA AND INSTALL NEW 2x4 FASCIA BOARD–ALL SIDES
2. SALVAGE AND REINSTALL EXISTING TONGUE AND GROOVE WOOD SUBSTRATE OVER NEW METAL ROOFING (MATCH RESTROOM)
3. EX. 5"X5" STEEL POST
4. EX. PICNIC TABLE POLY COATED EXPANDED METAL TOP
5. EX. SEAT–POLY COATED EXPANDED METAL
6. EX. BENCH TUBE STEEL SUPPORTS
7. FINISH GRADE

NOTES:

1. ALL (4) EXISTING PICNIC TABLE SHELTERS SHALL BE SALVAGED AND RELOCATED WHERE SHOWN ON THE PLANS WITH NEW CONCRETE FOOTINGS.
2. PRIOR TO REMOVAL, DISPOSE OF ROOFING MATERIAL BUT SALVAGE THE WOOD SUBSTRATE AND REINSTALL. POWER WASH AND STRIP ALL EXISTING PAINT OFF STEEL MEMBERS AND REPAINT USING AUTOMOTIVE GRADE HI GLOSS ACRYLIC POLYURETHANE PAINT. REPAINT ALL STEEL AND WOOD MEMBERS (EXISTING AND NEW).
3. POWER WASH TABLE AND BENCH.

2 L4.04 EXISTING PICNIC SHELTER

SCALE: 1/2" = 1'-0"



LEGEND:

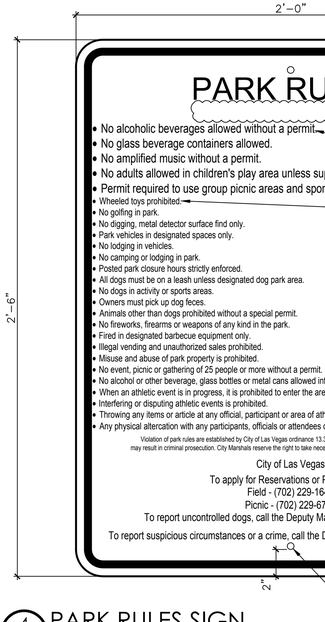
1. NEW 2x4 FASCIA BOARD–ALL SIDES
2. NEW METAL ROOFING
3. EX. 5"X5" STEEL POST
4. EX. PICNIC TABLE POLY COATED EXPANDED METAL TOP
5. EX. SEAT–POLY COATED EXPANDED METAL
6. EX. BENCH TUBE STEEL SUPPORTS
7. CONCRETE PAVEMENT OVER TYPE II AGGREGATE BASE
8. OVER–EXCAVATE AND REINSTALL FILL PER EARTHWORK SPECIFICATION
9. DOBIE BRICK
10. REINFORCED CAISSON STYLE CONCRETE FOOTING (4,500PSI)
11. STEEL PLATE WELDED TO POST BOTTOM

COLOR SCHEDULE:

1. METAL ROOF AND ALL ACCESSORIES TO MATCH RESTROOM ROOF COLOR
2. METAL POSTS, BEAMS AND BENCH SUPPORTS: COLOR TO MATCH RESTROOM EXTERIOR WALL COLOR
3. FASCIA COLOR: PAINT TO MATCH NEW RESTROOM FASCIA COLOR
4. WOOD UNDERSIDE–MATCH POST COLOR

3 L4.04 EXISTING PICNIC SHELTER

SCALE: 1/2" = 1'-0"

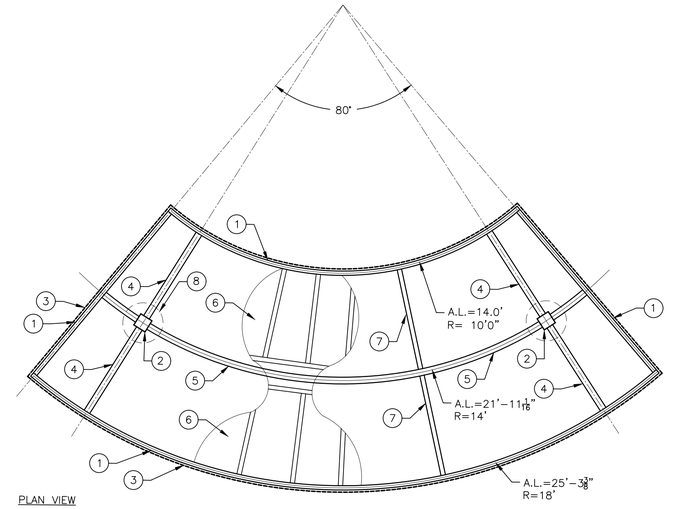


1 1-1/2" RADIUS CORNER (TYPICAL)
2 1-1/4" ARIAL TEXT – CENTER TEXT IN WIDTH OF SIGN
3 NOT USED 3
4 1/2" ARIAL NARROW TEXT – CENTER TEXT IN WIDTH OF SIGN
5 3/8" ARIAL NARROW TEXT – LEFT JUSTIFIED WITH BULLETS, CENTERED IN WIDTH OF SIGN
6 3/8" WIDTH BLACK STRIPE
7 ALUMINUM SIGN W/ WHITE BACKGROUND AND BLACK LETTERS
8 9/32" ARIAL NARROW TEXT – CENTER TEXT IN WIDTH OF SIGN
9 7/16" ARIAL NARROW TEXT – CENTER TEXT IN WIDTH OF SIGN
10 3/8" DIA MOUNTING HOLE – CENTER IN WIDTH OF SIGN (TYP). PROVIDE 2" SQ. POST FOR MOUNTING. SEE DETAIL 1 L4.03

4 L4.04 PARK RULES SIGN

SCALE: 3" = 1'-0"

LSVG-SI-05



PLAN VIEW

LEGEND:

1. TUBE STEEL FASCIA BEAM (CURVED)
2. TUBE STEEL POST (MIN. 6"X 6" OR LARGER AS DETERMINED BY MFR. ENGINEER)
3. METAL DECKING EDGE (OVERHANGS MIN. 1")
4. TUBE STEEL TRUSS BEAM
5. TUBE STEEL RIDGE BEAM (CURVED)
6. 24 GA. HR–36 DECKING–CUSTOM CUT TO CURVES.
7. ADDITIONAL TRUSS BEAM(S) AS DETERMINED BY MFR. ENGINEER.
8. CONCRETE FOOTING–SEE NOTE 5.

COLOR SCHEDULE :

1. METAL ROOF DECKING AND TRIM: RED (TOP) TO MATCH GROUP SHELTER. UNDERSIDE:GRAY.
2. METAL POSTS, FACIA, TRUSS, AND RIDGE BEAMS: TAN TO MATCH GROUP SHELTER

NOTES:

1. ALL TUBE STEEL SIZES AND CONNECTION SHALL BE DETERMINED BY MFR'S ENGINEER.
2. ASSEMBLY SHALL BE WELD OR BOLT TYPE ASSEMBLY. ALL BOLTS SHALL BE CONCEALED FROM VIEW.
3. SEE SPECIFICATIONS FOR MORE INFORMATION.
4. ALL WELDS SHOULD BE GROUND SMOOTH.
5. ***THIS IS A DEFERRED SUBMITTAL***: SUBMIT DRAWINGS STAMPED BY A NEVADA REGISTERED PROFESSIONAL ENGINEER TO CITY DEVELOPMENT SERVICES FOR PERMIT. INCLUDE ALL COSTS TO SECURE PERMIT PRIOR TO SUBMITTING, SUBMIT SHOP DRAWINGS AND PRODUCT INFORMATION, INCLUDING ALL MATERIAL LISTS, SIZES, ALL CONNECTIONS, DIMENSIONING AND FINISHES FOR REVIEW. OBTAIN A COPY OF GEOTECHNICAL DATA REPORT TO DESIGN FOOTINGS. SEE DETAIL 4, SHEET SHEET L4.05 FOR SIMILAR DETAIL. STRUCTURE IN NOT LIGHTED.
6. DRAWING SHOWN ILLUSTRATES DESIGN INTENT TO CONSTRUCT CURVING GABLE ROOF OF SUN SHELTER. MANUFACTURER MAY MODIFY DESIGN TO FABRICATE AND CONSTRUCT SUN SHELTER PROVIDED DESIGN INTENT SP SHOWN IS ACHIEVED AND IS DESIGNED PER MANUFACTURER'S ENGINEER.

5 L4.04 SUN SHELTER

SCALE: 3/8" = 1'-0"

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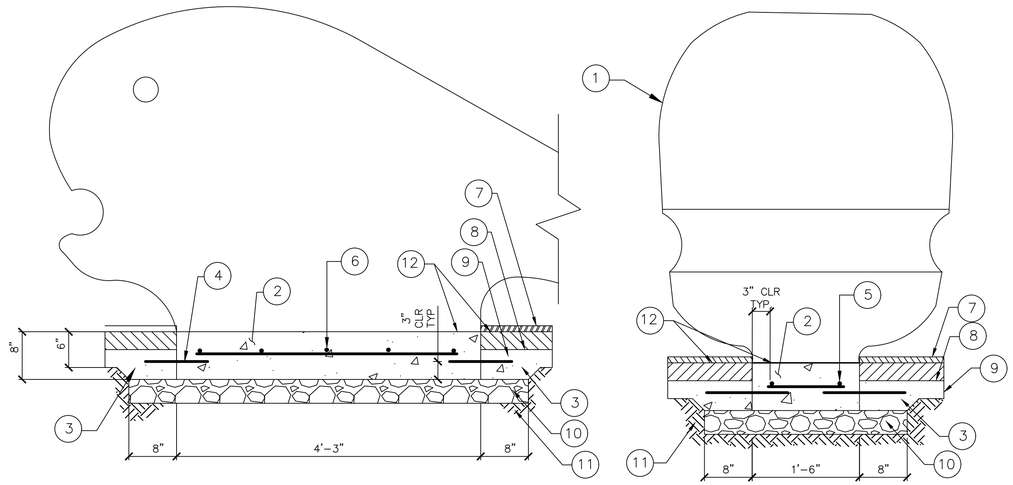


SECTION: SIDE VIEW

SECTION: FRONT VIEW

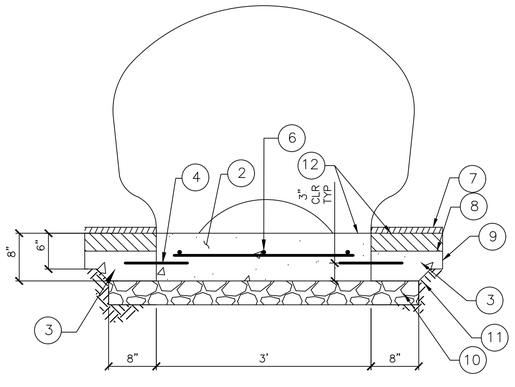
LEGEND:

1. EXISTING CONCRETE WATER FEATURE (WHALE) TO BE SALVAGED AND INSTALLED IN EXISTING PLAYGROUND
2. NEW CONCRETE PAD
3. SLURRY COURSE THICKENED EDGE
4. 1/2"ø x 12" REBAR @ 12" O.C.
5. (2) #4 HORIZ.
6. (5) #4 HORIZ.
7. 1/2" EDPM LAYER – COVER UP TO WHALE
8. 3" CUSHION LAYER
9. 2" SLURRY COURSE
10. 4" TYPE II AGGREGATE COMPACT 90% MIN.
11. COMPACT SUBGRADE 90% MIN.
12. TOP OF FOOTING SHALL ALIGN WITH TOP OF CUSHION LAYER

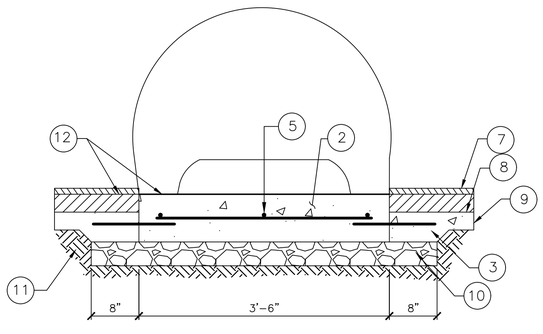
NOTE:
CONTRACTOR SHALL CLEAN CONCRETE SURFACE TO REMOVE STAINS USING AN APPROVED CONCRETE CLEANER THAT WILL NOT DAMAGE THE SURFACE. REPAIR DAMAGED CONCRETE SURFACES AND EXPOSED REBAR AREAS WITH POLYMER MODIFIED STRUCTURAL REPAIR. USE QUIKCRETE #1241 FAST SET REPAIR MORTAR AVAILABLE IN 20LB TUBS. OR APPROVED EQUAL–WWW.QUIKCRETE.COM. SCULPT MATERIAL TO A SMOOTH FINISH TO BLEND WITH ADJACENT SURFACES. FINISH BY POLISHING AND COLOR STAIN USING A "SOYCRETE" CONCRETE STAIN (877)366–7547 OR APR. EQUAL. PERFORM A TEST IN HIDDEN AREA FOR APPROVAL OF COLOR. SUBMIT AVAILABLE COLORS FROM MFR. FOR REVIEW.

1 L4.06 EXISTING WHALE FEATURE

SCALE: 1" = 1'-0"



SECTION: SIDE VIEW



SECTION: FRONT VIEW

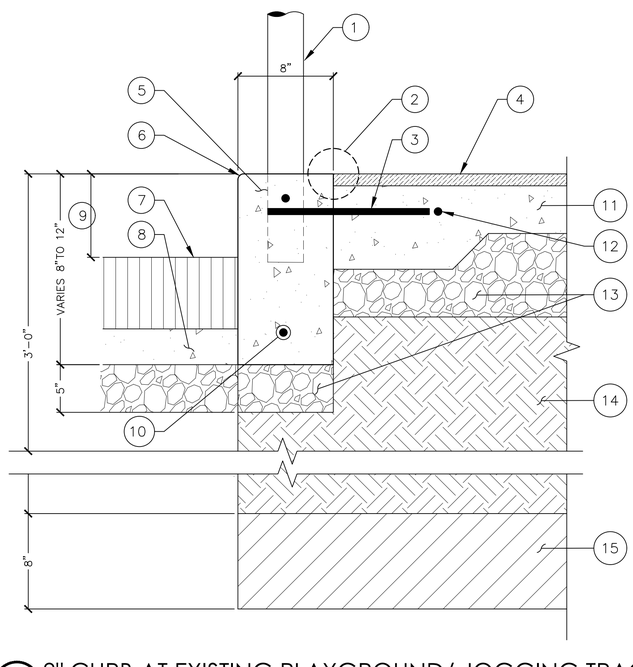
LEGEND:

1. EXISTING CONCRETE WATER FEATURE (TURTLE) TO BE SALVAGED AND INSTALLED IN EXISTING PLAYGROUND
2. NEW CONCRETE PAD
3. SLURRY COURSE THICKENED EDGE
4. 1/2"ø x 12" REBAR @ 12" O.C.
5. (3) #4 HORIZ.
6. (5) #4 HORIZ.
7. 1/2" EDPM LAYER – COVER UP TO TURTLE
8. 3" CUSHION LAYER
9. 2" SLURRY COURSE
10. 4" TYPE II AGGREGATE COMPACT 90% MIN.
11. COMPACT SUBGRADE 90% MIN.
12. TOP OF FOOTING SHALL ALIGN WITH TOP OF CUSHION LAYER

NOTE:
CONTRACTOR SHALL CLEAN CONCRETE SURFACE TO REMOVE STAINS USING AN APPROVED CONCRETE CLEANER THAT WILL NOT DAMAGE THE SURFACE. FINISH BY POLISHING SURFACE.

2 L4.06 EXISTING TURTLE FEATURE

SCALE: 1" = 1'-0"



LEGEND

1. ALUMINUM FENCE – SEE DETAIL 3/L4.05
2. JOGGING TRACK EDGE CONDITION 'B' – SEE DETAIL 8/L4.01
3. ½"x14" STEEL DOWEL (GREASED)
4. JOGGING TRACK SURFACING
5. CONCRETE CURB (4,500 PSI)
6. ½" RADIUS
7. PLAYGROUND SURFACING
8. 2" SLURRY COURSE
9. VARIES 6" – SEE CIVIL GRADING PLAN
10. (2) #4 CONT. EXCEPT AT EXPANSION JOINTS–PROVIDE SLIP DOWELS
11. 5" CONCRETE PAVEMENT
12. #4 CONT. EXCEPT AT EXPANSION JOINTS
13. TYPE II AGG. BASE – COMPACT 90% MIN.
14. OVER EXCAVATE AND INSTALL STRUCTURAL FILL – SEE EARTHWORK SPEC.
15. SCARIFY AND RECOMPACT SUBGRADE

3 L4.06 8" CURB AT EXISTING PLAYGROUND/ JOGGING TRACK

SCALE: 1" = 1'-0"

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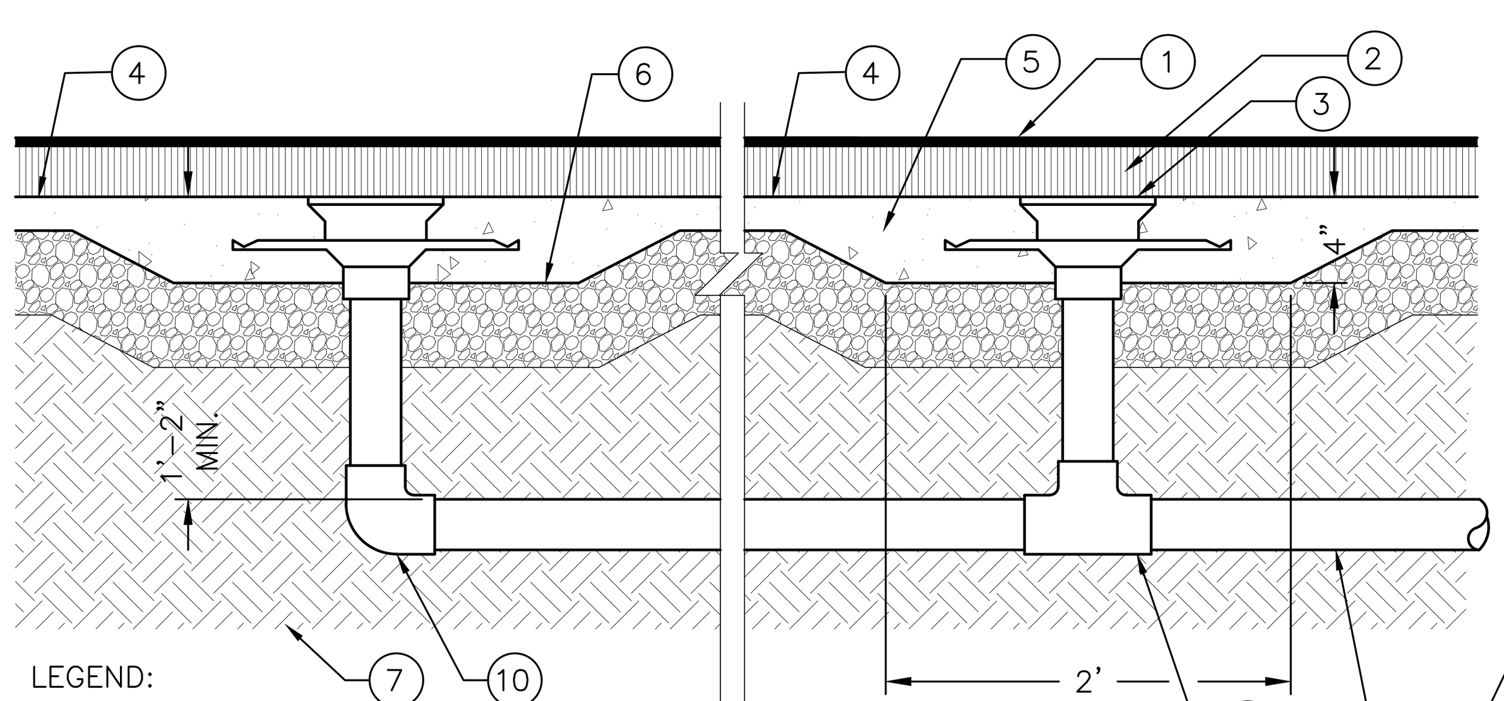
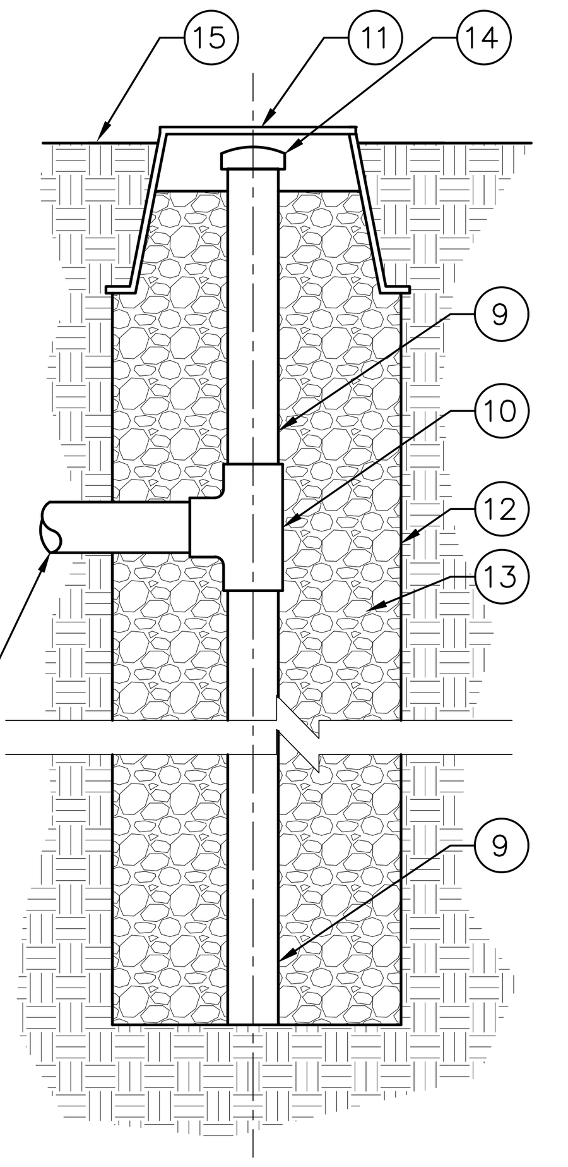


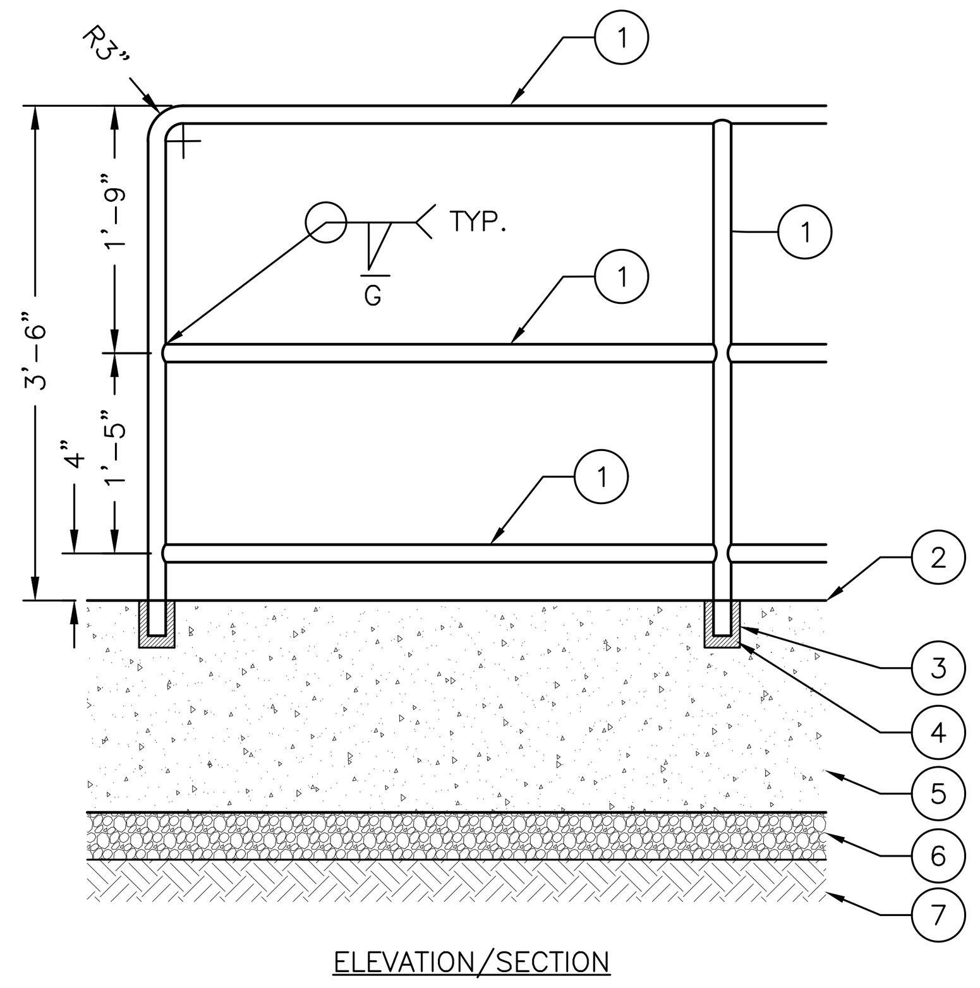


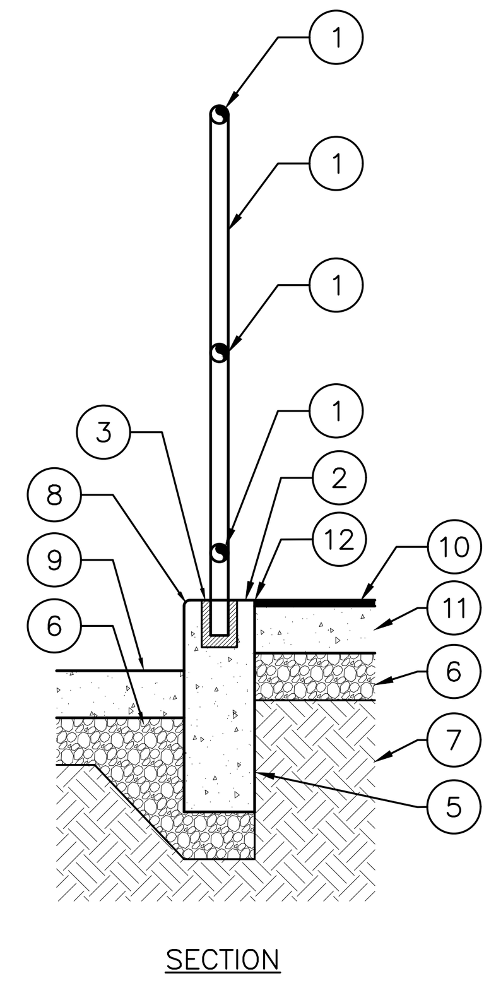
LEGEND:

1. 1/8" EDPM SURFACE LAYER
2. 3" CUSHION LAYER
3. JOSAM MODEL NO. 30003-8A-T-SS FLOOR DRAIN (OR EQ.) CAST INTO SLURRY COURSE. RIM SHALL ALIGN FLUSH WITH TOP OF SLURRY COURSE. LOCATE DRAINS IN PLAYGROUND LOW POINTS FOR POSITIVE DRAINAGE.
4. SLURRY COURSE
5. THICKEN SLURRY LAYER TO SUPPORT DRAIN INSTALLATION
6. TYPE II AGGREGATE LAYER
7. STRUCTURAL FILL (NEW PLAYGROUND) EXISTING SOIL REGRADED AND COMPACTED IN EXISTING PLAYGROUND.
8. 3-IN. PVC SCH. 40 DRAIN PIPE-PLACE AND SLOPE PIPE AT 2% AND ENTER DRYWELL WHERE SHOWN ON CIVIL PLANS.
9. 3-IN. PVC PERFORATED PIPE
10. 3-IN. PVC TEE OR ELL PER CALLOUT
11. JUMBO VALVE BOX-COLOR TAN WITH LOCKING LID
12. 24-IN. DIA.x 6'D. DRYWELL
13. 1.5-IN.WASHED GRAVEL-COMPACT IN PLACE
14. PVC CAP-LOOSELY FIT FOR SAMPLING WATER DEPTH IN DRYWELL
15. F.G.

1 (L4.07) PLAYGROUND AREA DRAINAGE DETAIL

SCALE: NONE



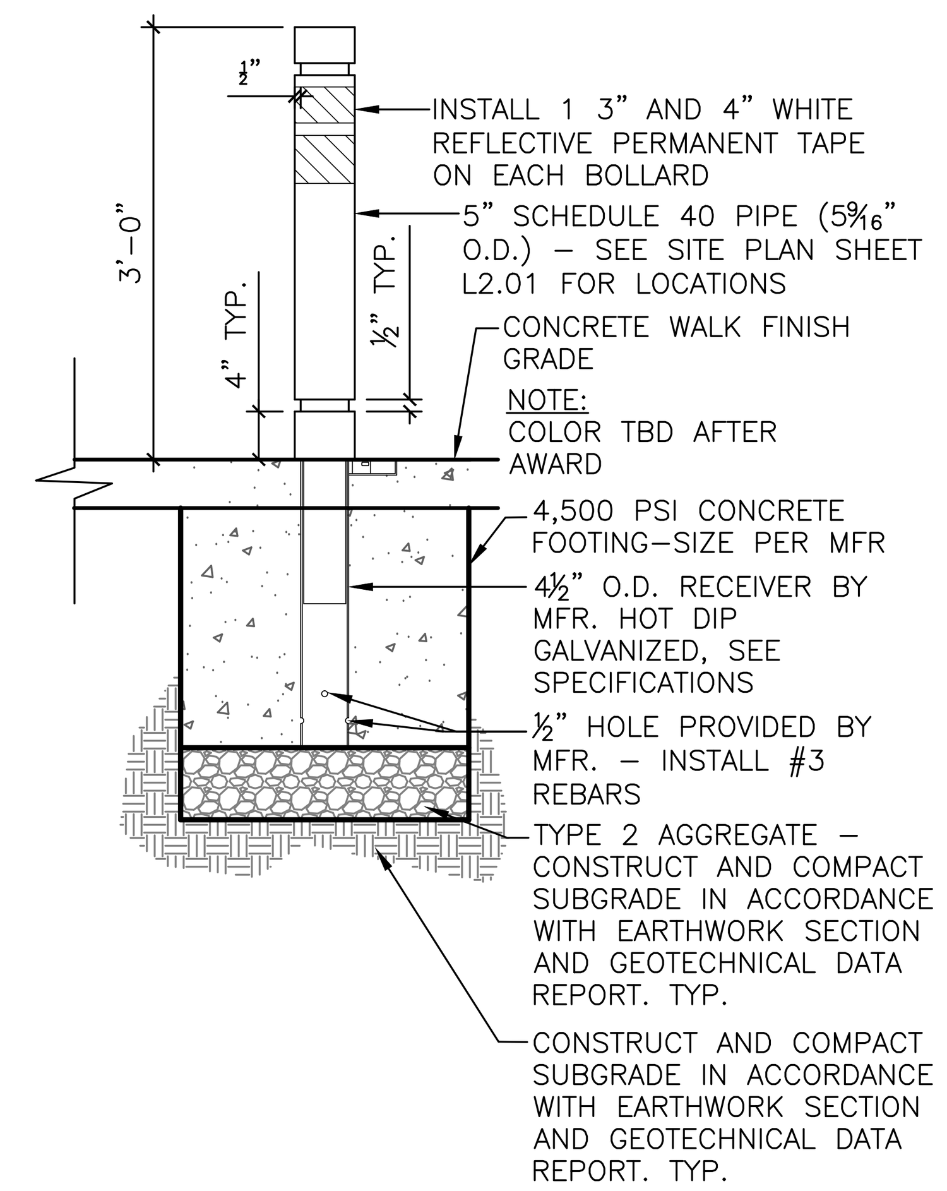


LEGEND:

1. 1½" DIA. STEEL PIPE RAIL. PRIME AND PAINT USING ACRYLIC POLYURETHANE (2-COAT MIN.) COLOR: TBD AFTER AWARD.
2. TOP OF CURB
3. CORE 3"DIA.x4"D. HOLE
4. SET PIPE IN HOLE W/ NON-SHRINK EPOXY GROUT FLUSH W/TOP-MATCH CURB COLOR. SET POST PLUMB.
5. 6"x18" CONCRETE CURB-SEE CIVIL PLANS.
6. 4"D. TYPE II AGG. BASE COMPACTED 90% MIN.
7. STRUCTURAL FILL
8. ½"R
9. CONCRETE WALK
10. TRACK SURFACING
11. CONCRETE TRACK
12. CONSTRUCT SURFACING EDGE CONDITION PER DETAIL 8, SHEET L4.01

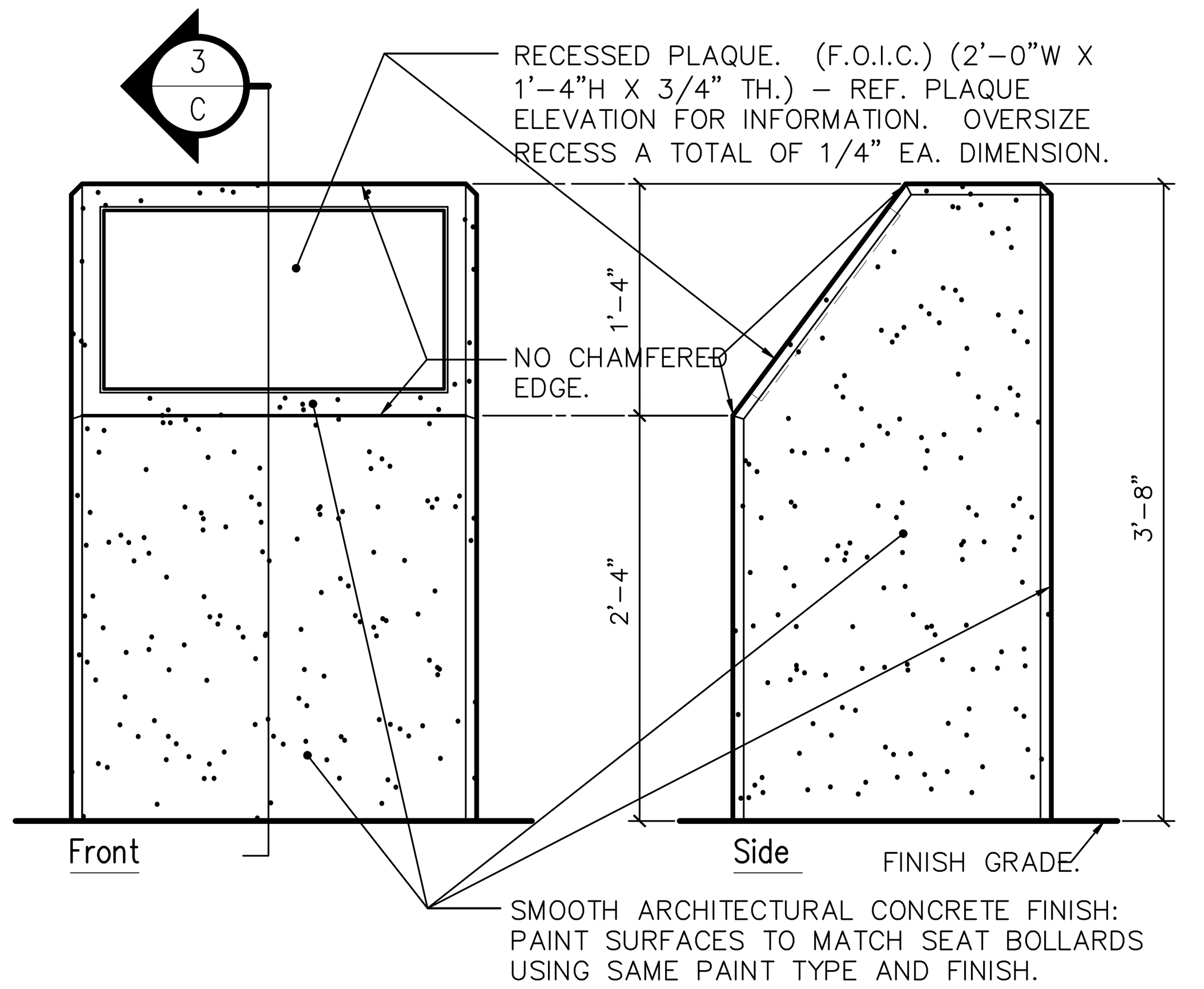
2 (L4.07) PEDESTRIAN RAILING AT ADA PARKING

SCALE: NONE

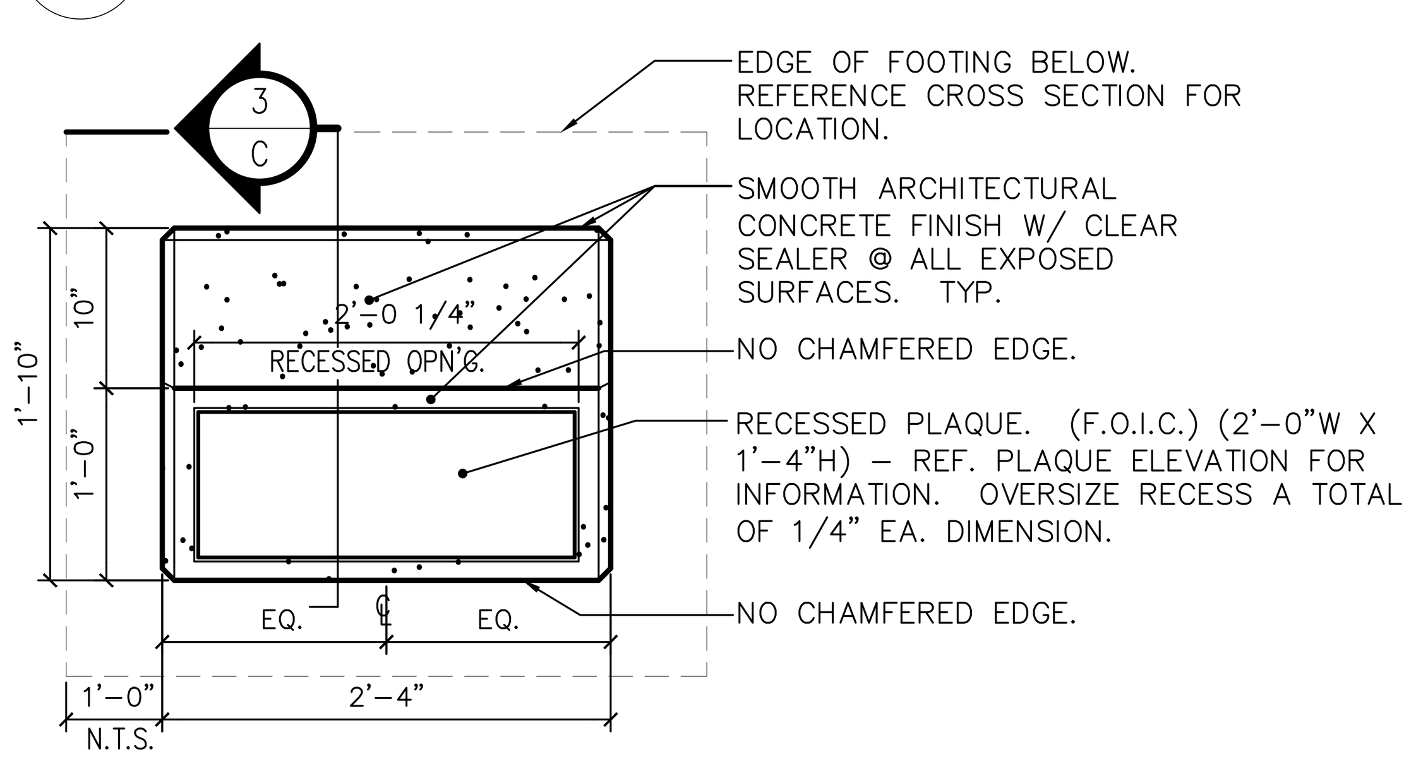


4 (L4.07) REMOVABLE BOLLARD

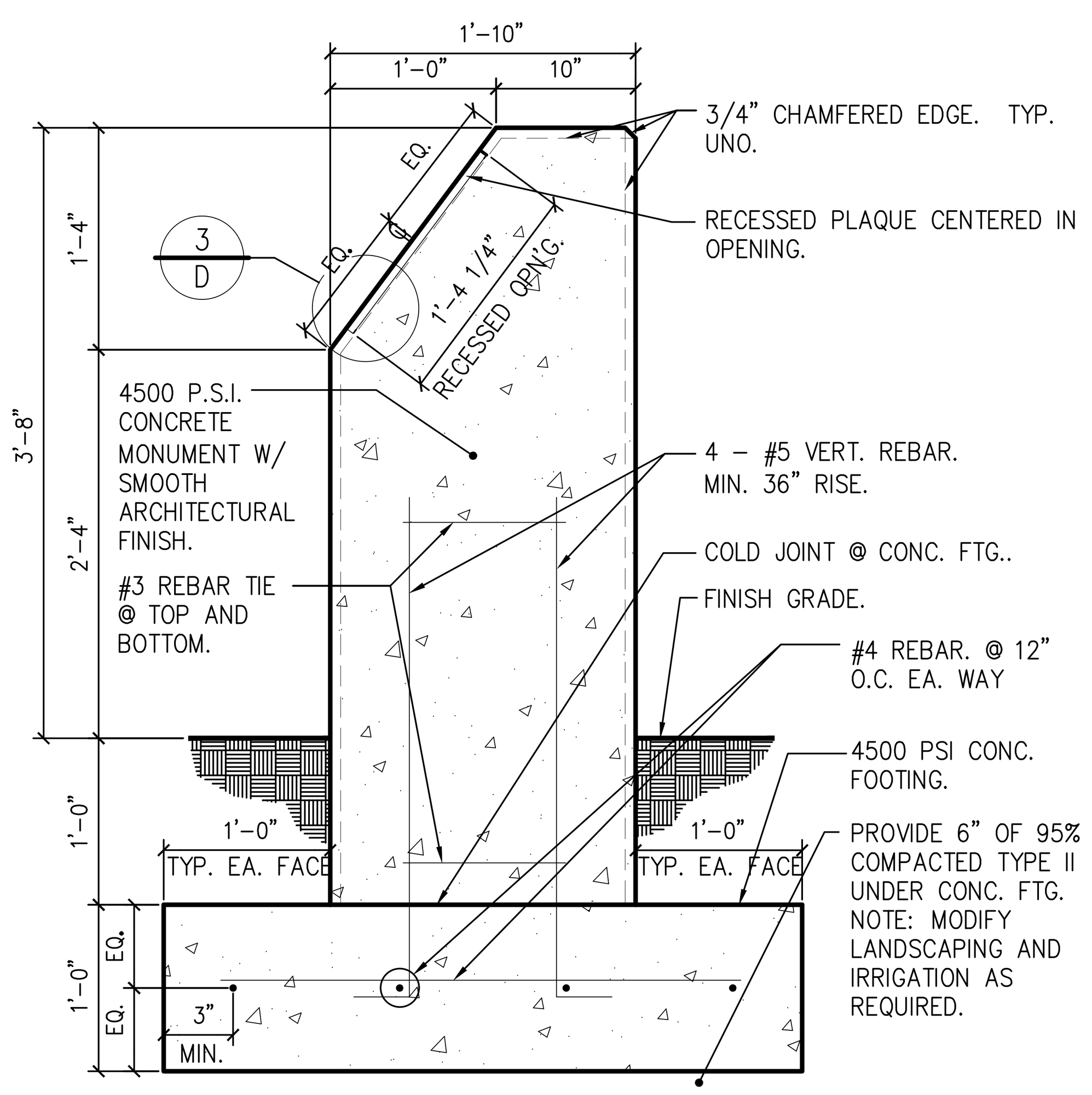
SCALE: 3/4"=1'



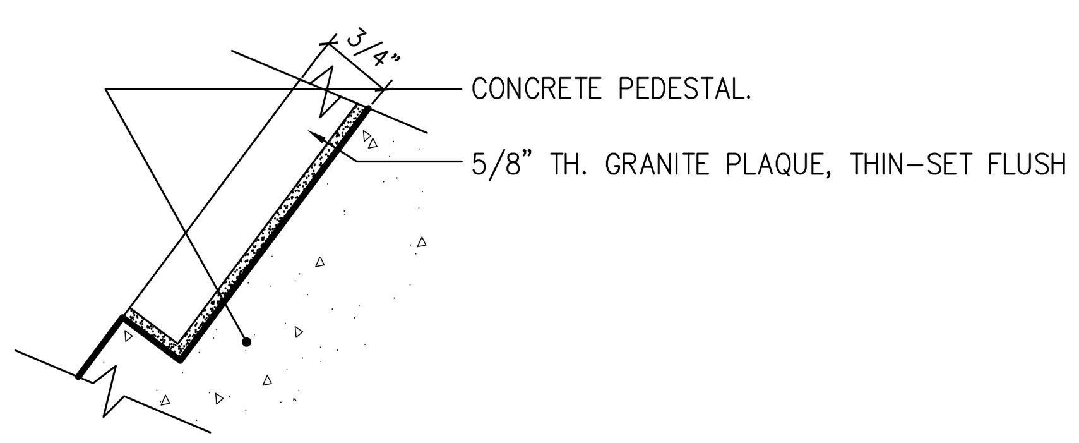
A Elevation 3/4" CHAMFERED EDGES AT ALL EXPOSED 90 DEGREE EDGES. U.N.O.



B PLAN VIEW 3/4" CHAMFERED EDGES AT ALL EXPOSED 90 DEGREE EDGES. U.N.O.



C SECTION @ CONCRETE PEDESTAL



D RECESSED EDGE @ BRONZE PLAQUE

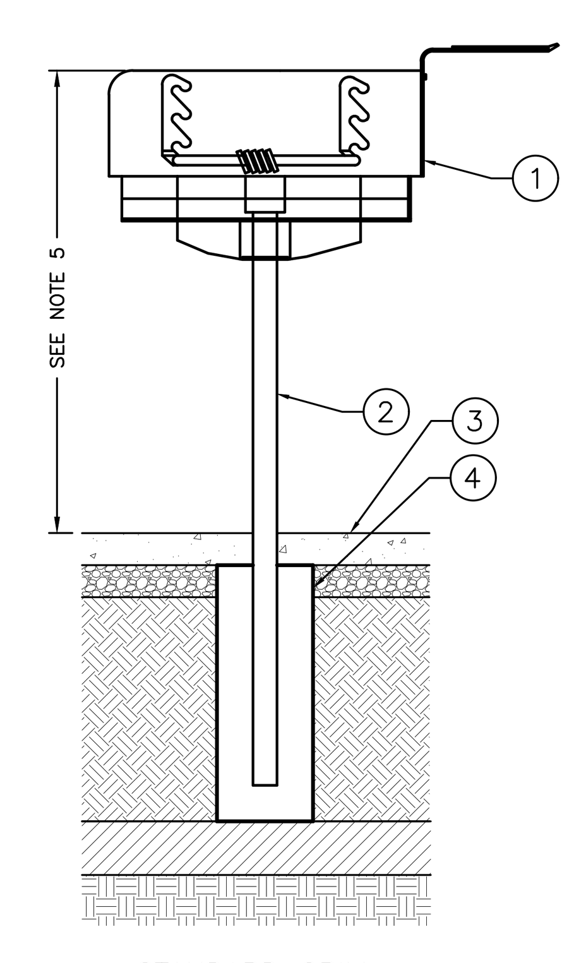
3 (L4.07) CONCRETE PEDESTAL AND PLAQUE

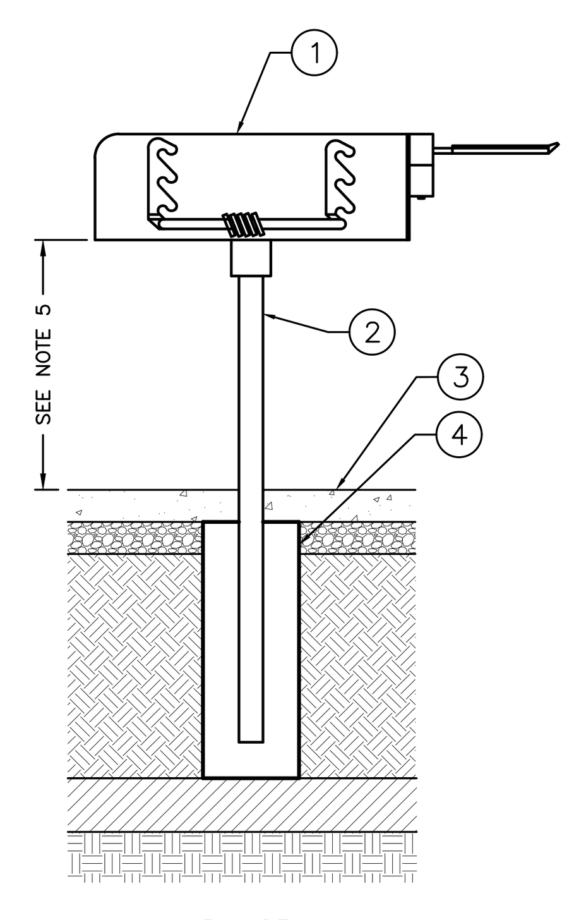
SCALE: NOT TO SCALE

3

LEGEND:

1. BARBECUE ON SWIVEL PLATE
2. STEEL POST
3. CONCRETE PAVEMENT FINISH GRADE
4. CONCRETE FOOTING (MIN 12"X36"-SIZE PER MFR.)
5. HEIGHT PER MFR FOR STANDARD GRILL (36 3/16") AND ADA GRILL (24 13/16")





5 (L4.07) BARBECUE GRILL

SCALE: NOT TO SCALE

DEPARTMENT OF PUBLIC WORKS

REVISIONS: 3 11-13-17

CONSULTANT: Stantec

BOB BASKIN PARK RENOVATION

DETAILS 3

STAMP

OWNER: CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS ARCHITECTURAL SERVICES

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6276
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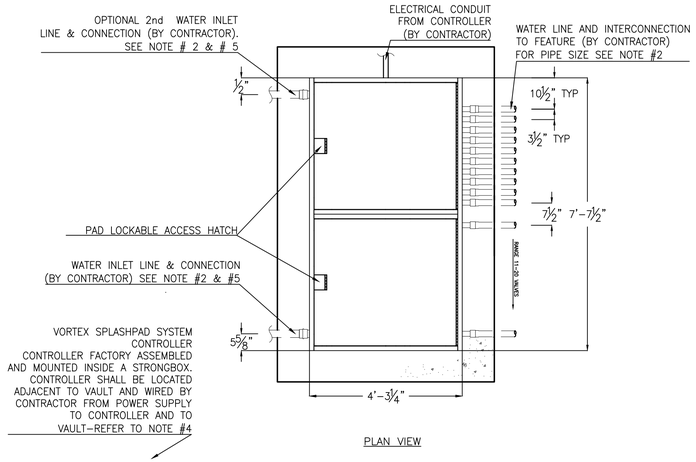
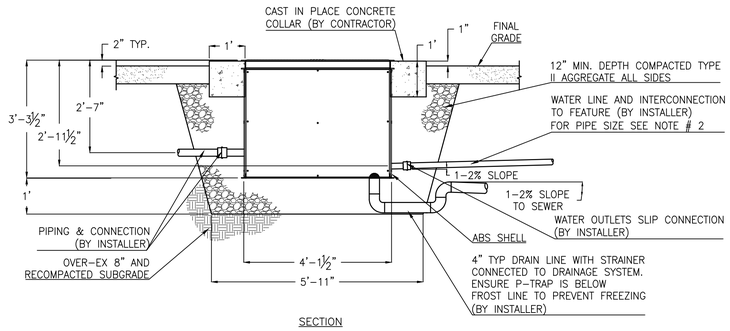
DRAWN	LR
FILE	180101443
DATE	9-7-17
SCALE	SEE PLAN
BID NO	17.54875.JH
CLV DWG NO	650.27-7
SHT NO	L4.07



PLAN VIEW



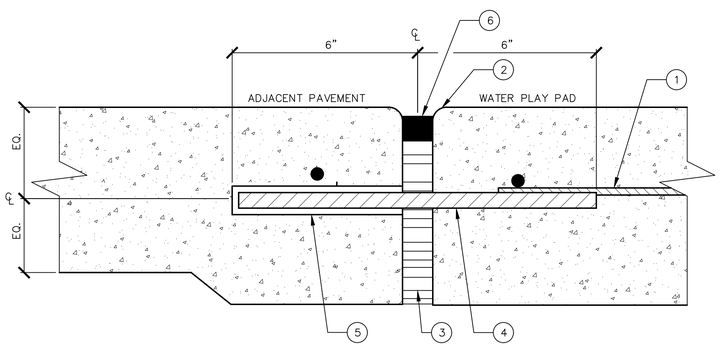
SECTION

NOTE:

1. A COMMON NEUTRAL MAY BE USED FOR UP TO TEN ELECTRIC VALVES FOR REMOTE LOCATION CONTROLLER.
2. SUBMIT A PIPING AND ELECTRICAL SCHEMATIC DRAWING FOR REVIEW.
3. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
4. IF CONTROLLER IS REMOTE LOCATED, CONDUCTORS #18 AWG AT 10' LONG PROVIDED FOR THE CONTROLLER AND JUNCTION BOX BY VORTEX. ADDITIONAL CONDUCTORS LENGTH, MIN. #16 AWG, TO BE PROVIDED BY INSTALLER. FOR QUANTITY AND SIZE, SEE PIPING AND ELECTRICAL SCHEMATIC DETAIL. GROUNDING OF JUNCTION BOX TO BE DONE BY CONTRACTOR.
5. WATER INLET CAN BE 1x2", 1x3", 2x2" OR 2x3". 2" FEMALE NPT CONNECTION OR 3" FEMALE NPT CONNECTION INSIDE VAULT IS PROVIDED BY MFR.
6. BY CONTRACTOR MAY REFER TO SERVICE PROVIDERS OTHER THAN THE EQUIPMENT MANUFACTURER. PLEASE REFER TO PROJECT SPECIFICATION FOR DETAILS OF RESPONSIBILITY.

1 L4.09 WATER PLAY VALVE VAULT

SCALE: NONE



CALLOUT NOTES:

1. SEE CALLOUT NOTE ON DETAIL 5 FOR WATER PLAY PAD 3
2. 1/4"R
3. 1/2" X 4" BITUMINOUS FIBER BOARD
4. 12" #4 REBAR AT 2' O.C. AT EXPANSION JOINT.
5. PVC PIPE SECTION (SNUG FIT)
6. POLYURETHANE SEALANT – SEE SPECIFICATIONS

2 L4.09 PAVEMENT EXPANSION JOINT AT WATER PLAY EDGE (SLIP BAR TYPE ALSO APPLIES TO ADJ. PVT. AREAS)

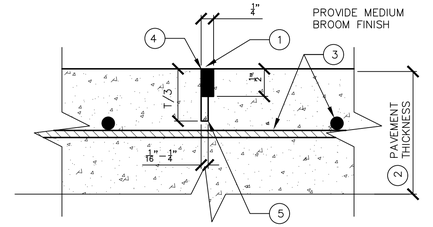
SCALE: NONE

CALLOUT NOTES:

1. CONTROLLER ENCLOSURE STRONGBOX MODEL SB-16 OR APPROVED EQUAL (760)735-2450
2. 120V SERVICE IN CONDUIT FROM POWER SOURCE AT RESTROOM–SEE ELECTRICAL PLAN
3. POURED IN PLACE CONCRETE PAD–6–IN. MIN THICKNESS–EXTEND CONCRETE 6–IN. BEYOND DIMENSIONS OF ENCLOSURE WITH ⅛ SLOPE FOR DRAINAGE. INSTALL ON A 4–INCH TYPE II AGGREGATE BASE COMPACTED TO 90% MIN. OVER–EXCAVATE SUBGRADE TO MIN. 24 INCHES AND RECOMPACT WITH PROPER MOISTURE CONTENT TO 90% MIN.
4. PVC LONG SWEEP ELL–4–INCH SIZE MINIMUM.
5. 12GA. CONTROL WIRES TO VALVE VAULT. RUN ALL WIRES IN A 4–IN. PVC ELEC. CONDUIT
6. FINISH GRADE
7. CONTROLLER SUB–ASSEMBLY (CSA) INCLUDES GFI AND TERMINAL STRIPS WITH PLACARDS.
8. CONTROLLER FROM WATER PLAY MFR.

3 L4.09 PEDESTAL CABINET FOR WATER PLAY CONTROLLER

SCALE: NONE

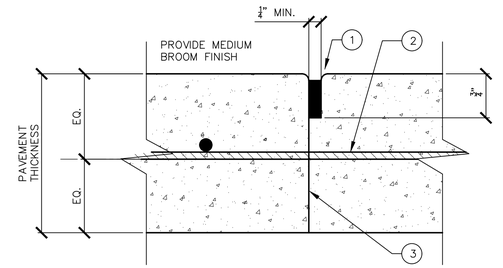


CALLOUT NOTES:

1. TOOL CONTROL JOINTS, ⅓ DEPTH OF PAVEMENT THICKNESS
2. PAVEMENT THICKNESS 6" MIN. WATER PLAY PAD
3. #4 AT 24–IN O.C.E.W.
4. SEAL JOINT WITH POLYURETHANE SEALANT–MATCH PVMT. COLOR–SEE SPECS.
5. INITIAL SAW CUT

4 L4.09 CONCRETE PAVEMENT SECTION AND CONTROL JOINT (WATER PLAY)

SCALE: NONE



CALLOUT NOTES:

1. FORMED ¼" JOINT W/ 1/4" RADIUS AT TOP CORNERS. SEAL JOINT WITH POLYURETHANE SEALANT–MATCH PAVEMENT COLOR–SEE SPECS.
2. SEE CALLOUT NOTE 3 ON DETAIL 5
3. CONSTRUCTION BUTT JOINT

5 L4.09 WATER PLAY CONSTRUCTION JOINT

SCALE: NONE

CITY OF LAS VEGAS NEVADA

REVISIONS
3 11-13-17

CONSULTANT

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Las Vegas, NV 89102 (P) 702.878.8610
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DEPARTMENT OF PUBLIC WORKS

BOB BASKIN PARK
RENOVATION

WATER PLAY PAD 3
DETAILS

STAMP

REGISTERED LANDSCAPE ARCHITECT GARY K. BARR 405 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
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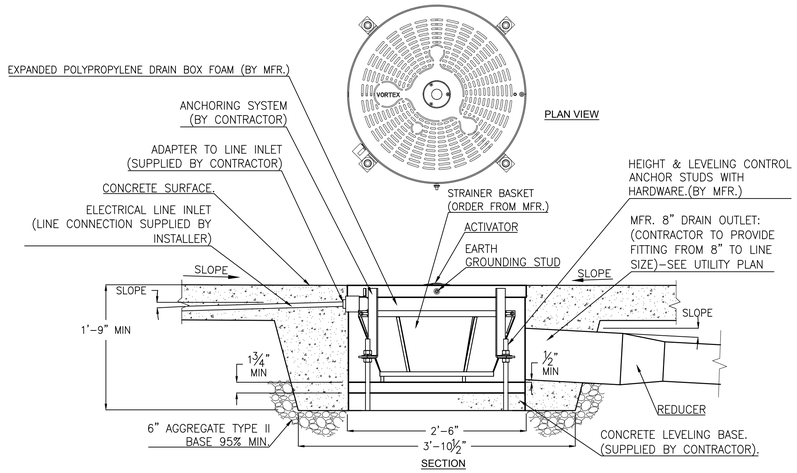
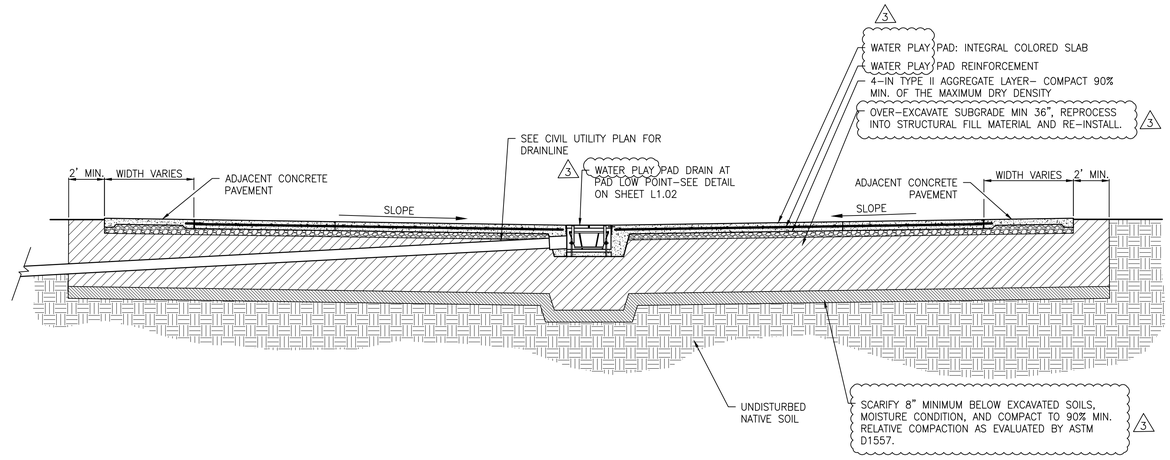
DRAWN	LR
FILE	180101443
DATE	9-7-17
SCALE	SEE PLAN
BID NO	17.54875.JH
CLV DWG NO	650.27-7
SHT NO	L4.09



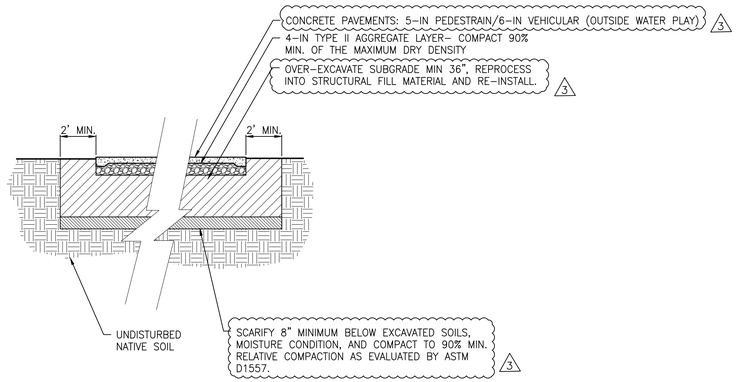
1 L4.10 MFR. SUPPLIED PLAY-SAFE WATER PLAY DRAIN

SCALE: NONE



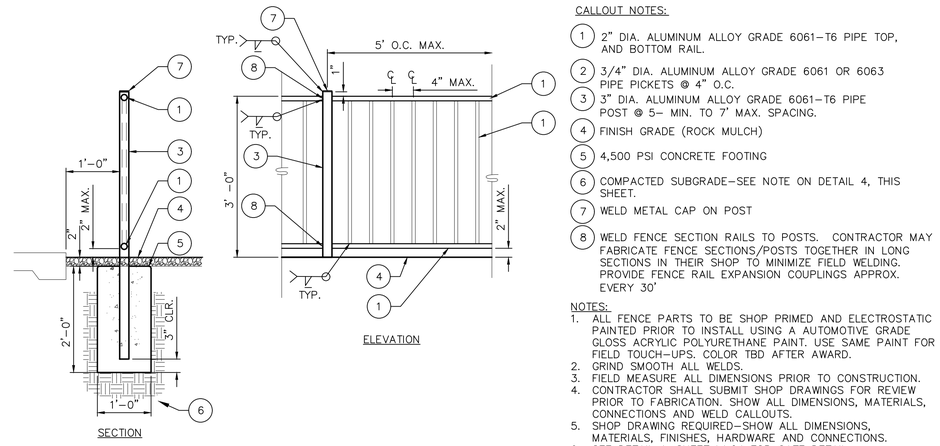
3 L4.10 WATER PLAY SUBGRADE - SECTION (TYP.)

SCALE: NONE



2 L4.10 CONCRETE PAVEMENT SUBGRADE - SECTION (TYP.)

SCALE: NONE



CALLOUT NOTES:

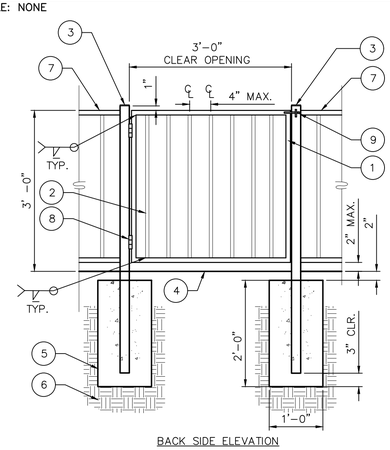
1. 2" DIA. ALUMINUM ALLOY GRADE 6061–T6 PIPE TOP, AND BOTTOM RAIL.
2. 3/4" DIA. ALUMINUM ALLOY GRADE 6061 OR 6063 PIPE PICKETS @ 4" O.C.
3. 3" DIA. ALUMINUM ALLOY GRADE 6061–T6 PIPE POST @ 5– MIN. TO 7' MAX. SPACING.
4. FINISH GRADE (ROCK MULCH)
5. 4,500 PSI CONCRETE FOOTING
6. COMPACTED SUBGRADE–SEE NOTE ON DETAIL 4, THIS SHEET.
7. WELD METAL CAP ON POST
8. WELD FENCE SECTION RAILS TO POSTS. CONTRACTOR MAY FABRICATE FENCE SECTIONS/POSTS TOGETHER IN LONG SECTIONS IN THEIR SHOP TO MINIMIZE FIELD WELDING. PROVIDE FENCE RAIL EXPANSION COUPLINGS APPROX. EVERY 30'

NOTES:

1. ALL FENCE PARTS TO BE SHOP PRIMED AND ELECTROSTATIC PAINTED PRIOR TO INSTALL USING A AUTOMOTIVE GRADE GLOSS ACRYLIC POLYURETHANE PAINT. USE SAME PAINT FOR FIELD TOUCH–UPS. COLOR TBD AFTER AWARD.
2. GRIND SMOOTH ALL WELDS.
3. FIELD MEASURE ALL DIMENSIONS PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOW ALL DIMENSIONS, MATERIALS, CONNECTIONS AND WELD CALLOUTS.
5. SHOP DRAWING REQUIRED–SHOW ALL DIMENSIONS, MATERIALS, FINISHES, HARDWARE AND CONNECTIONS.
6. SEE DETAIL 1, SHEET L1.04 FOR GATE DETAIL.

4 L4.10 PEDESTRIAN FENCE AT WATER PLAY

SCALE: NONE



CALLOUT NOTES:

1. 2" DIA. ALUMINUM ALLOY GRADE 6061–T6 PIPE GATE FRAME.
2. 3/4" DIA. ALUMINUM ALLOY GRADE 6061 OR 6063 PIPE PICKETS @ 4" O.C.
3. 3" DIA. ALUMINUM ALLOY GRADE 6061–T6 PIPE WITH MATCHING CAP WELDED TO POST FLUSH.
4. FINISH GRADE (ROCK MULCH)
5. 4,500 PSI CONCRETE FOOTING
6. COMPACTED SUBGRADE.
7. ADJACENT FENCE SECTION.
8. MIN. (2) HEAVY DUTY HINGES WELDED TO POST AND GATE
9. HEAVY DUTY LOCKABLE WITH PADLOCK GATE LATCH AND POST–SELF CLOSING..

NOTES:

1. ALL GATE PARTS TO BE SHOP PRIMED AND ELECTROSTATIC PAINTED USING A AUTOMOTIVE GRADE GLOSS ACRYLIC POLYURETHANE PAINT. USE SAME PAINT FOR FIELD TOUCH–UPS. COLOR TBD AFTER AWARD.
2. GRIND SMOOTH ALL WELDS.
3. FIELD MEASURE ALL DIMENSIONS PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOW ALL DIMENSIONS, MATERIALS, CONNECTIONS AND WELD CALLOUTS.
5. SHOP DRAWING REQUIRED–SHOW ALL DIMENSIONS, MATERIALS, FINISHES, HARDWARE AND CONNECTIONS.

5 L4.10 PEDESTRIAN FENCE GATE AT WATER PLAY

SCALE: NONE

DEPARTMENT OF PUBLIC WORKS

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BOB BASKIN PARK RENOVATION

WATER PLAY PAD DETAILS 3

STAMP

REGISTERED LANDSCAPE ARCHITECT CARY K. BAIRD 405 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

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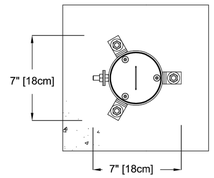
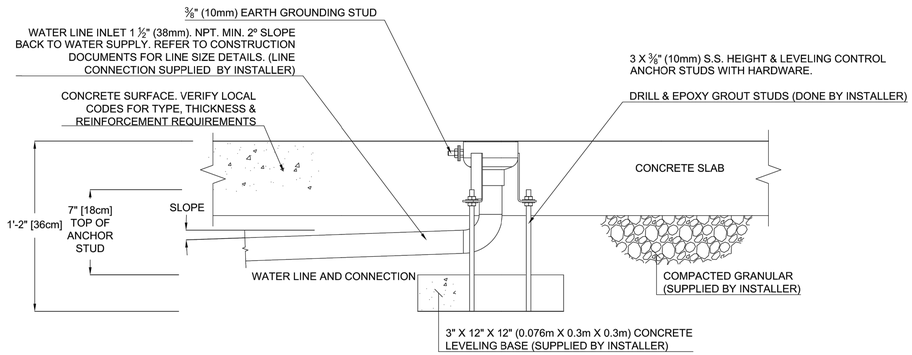
DRAWN	LR
FILE	180101443
DATE	9–7–17
SCALE	SEE PLAN
BID NO	17.54875.JH
CLV DWG NO	650.27–7
SHT NO	L4.10

PLAN VIEW

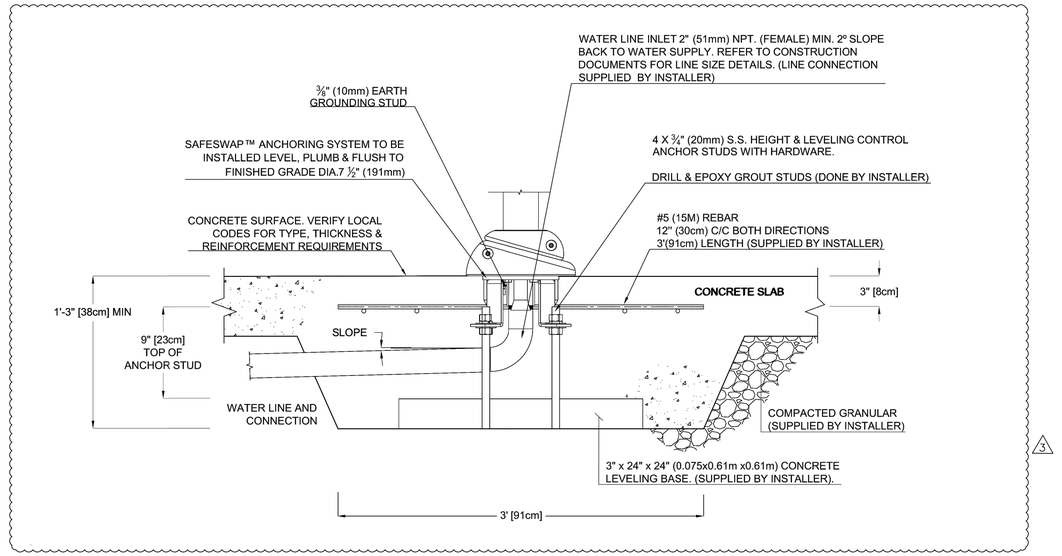


FRONT ELEVATION VIEW



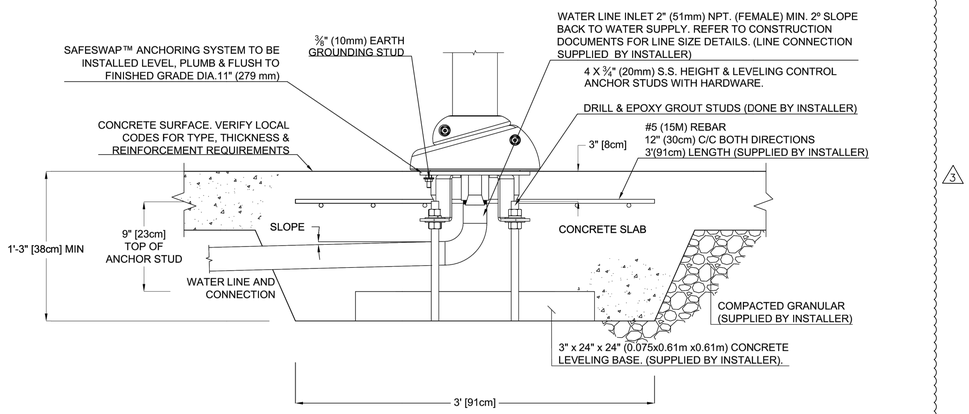
1 L4.11 MFR. SUGGESTED INSTALLATION DETAIL FOR #7010 AND 0325

SCALE: NONE



3 L4.11 MFR. SUGGESTED INSTALLATION DETAIL FOR SAFESWAP NO. 2

SCALE: NONE



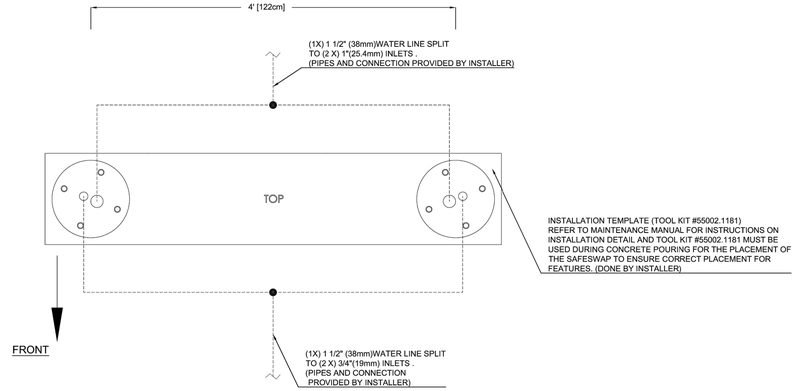
2 L4.11 MFR. SUGGESTED INSTALLATION DETAIL FOR SAFESWAP NO. 1

SCALE: NONE

NOTE:

1- BY INSTALLER/BY CONTRACTOR MAY REFER TO SERVICE PROVIDERS OTHER THAN THE EQUIPMENT MANUFACTURER. PLEASE REFER TO PROJECT SPECIFICATION FOR DETAILS OF RESPONSIBILITY.

ANCHORING LOCATIONS



4 L4.11 MFR. SUGGESTED INSTALLATION DETAIL FOR SAFESWAP NO. 17 AND #7659

SCALE: NONE

CITY OF LAS VEGAS NEVADA

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WATER PLAY PAD 3
DETAILS

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