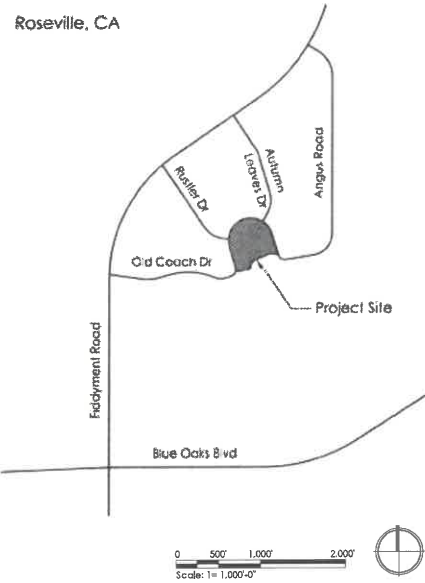


VICINITY MAP



CITY BENCHMARK

City BM72 3-1/2" Brass Disk Stamped LS6046, Dec. 1995, Top of curb at catch basin, north side of Del Webb Blvd. @ 50' East of Fiddyment Road.

WASTE MGMT PLAN

Contractor will submit a Waste Management Plan by email to SCST@Roseville.ca.us or by fax to 916-774-5798. If Contractor has questions or needs assistance completing a Waste Management Plan, call 916-774-5780.

PROJECT TEAM

Landscape Architect
Quadriga Landscape Architecture and Planning, Inc.
1415 21st Street, Studio A
Sacramento, CA 95811
Phone (916) 441-2129

Civil Engineer

BKF Engineers Surveyors Planners
980 9th Street, Suite 1770
Sacramento, CA 95814
Phone (916) 556-5800

Electrical Engineer

LP Consulting Engineers, Inc.
1209 Pleasant Grove Blvd.
Roseville, CA 95678
Phone (916) 771-0778

Geotechnical Engineer

Wallace Kuhl Associates
3050 Industrial Blvd.
West Sacramento, CA 95691
Phone (916) 372-1434

CUT/FILL CALCULATIONS

Total cut: 4,778.3 CY
Total fill: 4,772.1 CY
Net 6.2 cut

Note: These earthwork values are only estimates based on assumed conditions and are intended for plan check purposes only. It is the responsibility of the contractor to calculate this/her own earthwork values in preparing bids. Use of these values for bid purposes will be at the Contractors risk.

Note: Prior to the commencement of grading operations, the Contractor shall identify the site where the excess/borrow earthen material shall be imported/deposited. If the borrow/deposit site is within the City of Roseville, the Contractor shall produce a report issued by the geotechnical engineer to verify that the exported materials are suitable for the intended fill, and shall show proof of all approved grading plans. Haul routes to be used shall be specified.

Note: Prior to commencement of grading activities, the Contractor shall have the existing utilities pot holed for verification of location and depth. At such time, pot hole data shall be provided to the engineer for determination of adequate clearance and separation.

BUILDING CODE APPLICABILITY

This project is subject to the following building Design Codes:
2016 California Building Code with City of Roseville Amendments (CBC)
2016 California Plumbing Code (CPC)
2016 California Electrical Code with City of Roseville Amendments (CEC)

BUILDING CLASSIFICATION

SHADE STRUCTURE

Zone PR
Occupancy U
Building Type V-B
Occupant Load 53
Building Area 816 s.f.

HOURS OF CONSTRUCTION

In accordance with the City's Noise Ordinance, the hours of project construction shall be limited to the following: 7:00 A.M. to 7:00 P.M. (Monday through Friday) 8:00 A.M. to 8:00 P.M. (Saturday, Sunday, and Holidays).

SHEET INDEX

| | |
|-------|--|
| L1.0 | Title Sheet |
| L1.1 | Scope of Work |
| C1.0 | General Notes, Legend, & Abbreviations |
| C2.0 | Demolition Plan |
| C2.1 | Demolition Plan |
| C3.0 | Staking and Reference Plan |
| C3.1 | Staking and Reference Plan |
| C4.0 | Grading and Drainage Plan |
| C4.1 | Grading and Drainage Plan |
| C5.0 | Utility Plan |
| C5.1 | Utility Plan |
| C6.0 | Erosion and Sediment Control Plan |
| C6.1 | Erosion and Sediment Control Plan |
| C6.2 | Erosion Control Details |
| C7.0 | Construction Details |
| LS1.0 | Layout Notes & Legend |
| LS1.1 | Layout Plan - North |
| LS1.2 | Layout Plan - South |
| LS2.0 | Construction Details |
| LS2.1 | Construction Details |
| LS2.2 | Construction Details |
| LS2.3 | Construction Details - Playground Layout Enlargement |
| LI1.0 | Irrigation Notes & Legend |
| LI1.1 | Irrigation Notes & Schedule |
| LI1.2 | Irrigation Plan - North |
| LI1.3 | Irrigation Plan - South |
| LI1.4 | Irrigation Details |
| LI1.5 | Irrigation Details |
| LI1.6 | Irrigation Plan - Add Alternates #1 & #2 |
| LP1.0 | Planting Notes & Legend |
| LP1.1 | Planting Plan - North |
| LP1.2 | Planting Plan - South |
| LP1.3 | Planting Details |
| LP1.4 | Soils Analysis |
| E1.0 | Symbol Legend, One Line Diagram, Schedule & Details |
| E1.1 | Enlarged Electrical Site Plan |
| E2.1 | Title 24 Outdoor Lighting Compliance Forms |
| E2.2 | Title 24 Outdoor Lighting Compliance Forms |

Add Alternate #4: Shade Shelter Structural Drawings

| | |
|-----|----------------------------|
| CS | Cover Sheet |
| 1 | Architectural Elevations |
| 2 | Anchor and Footing Layout |
| 2.1 | Anchor and Footing Details |
| 3 | Structural Framing Plan |
| 4 | Frame Connection Details |
| 4.1 | Frame Connection Details |
| 5 | Roof Overview |
| 5.1 | Roof Layout |
| 6 | Roof Connection Details |
| 6.1 | Roof Connection Details |

Additional Sheets

| | |
|------|------------------------------|
| C7.1 | Construction Details |
| E0.1 | Overall Electrical Site Plan |

ADDITIVE ALTERNATES

Add Alternate #1: Sports Court Area and Drinking Fountain
Add Alternate #2: Swing Play Area
Add Alternate #3: Basketball Half Court, North
Add Alternate #4: Shade Shelter

FOR BLDG DEPT REVIEW

ADA Path of Travel: L1.1
Drinking Fountain Layout (ADA): LS1.2
Detail of Non-standard drinking fountain: LS2.2
Detail of Bocce court ADA access: LS2.2
Electrical: E0.1, E1.1, E2.1, E2.2
Shade Structure (Polygon): CS, 1, 2, 2.1, 3, 4, 4.1, 5, 5.1, 6, 6.1

City Engineer Date

Department of Development Services

| UTILITY | UTILITY REPRESENTATIVES | PHONE |
|-------------|----------------------------------|--------------|
| USA | REPRESENTATIVE | 800-642-2444 |
| Gas | PG&E Emily Pearson | 530-889-3147 |
| Electricity | Roseville Electric Jeff Wilcox | 916-746-1661 |
| Telephone | N/A | |
| Water | City of Roseville Sean D'gley | 916-774-5750 |
| Sewer | City of Roseville Ken Glotzbach | 916-774-5339 |
| Drainage | Development Services Engineering | 916-774-5339 |
| T.V. Cable | N/A | |

QUADRIGA
Landscape Architecture and Planning, Inc.
SACRAMENTO | SANTA ROSA
916.441.2129 | www.quadriganpa.com



CWJ - 190070
EN - 18-0892
BD -

R.G. Phillips Park
Park Site F-52
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA

Stamp



Issuances & Revisions

| No. | Description | Date |
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Title Sheet

Date: 20/06/21
Project Number: 18-1629
Scale: AS SHOWN

L1.0



EXISTING CONDITIONS LEGEND

- Curb & Gutter
- Spot elevation
- Contour lines

SITE IMPROVEMENTS LEGEND

- ADA Path of Travel



**R.G. Phillips Park
Park Site F-52**
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA

Stamp



Issuances & Revisions

| No. | Description | Date |
|-----|-------------|------|
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Scope of Work

Date: 2/24/21
Project Number: 18-1629
Scale: AS SHOWN

For Council Approval
Do Not Use for Bidding

GENERAL:

- 1.ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS AND THE LATEST EDITION AND AMENDMENTS OF THE CITY OF ROSEVILLE DESIGN AND CONSTRUCTION STANDARDS.
- 2.THE CITY OF ROSEVILLE IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE—CALL SYSTEM. THE CONTRACTORS SHALL NOTIFY THE U.S.A. CENTER 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING 1-800-227-2600.
- 3.THE CONTRACTOR SHALL MARK IN WHITE PAINT ALL AREAS TO BE EXCAVATED PRIOR TO CONTACTING U.S.A. ANY AREAS NOT MARKED WILL NOT BE SUBJECT TO U.S.A., AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM EXCAVATION.
- 4.THE CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OF THE NEW IMPROVEMENTS CONNECTING TO OR IN THE VICINITY OF THE SAME.
- 5.THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS ON THE JOB SITE.
- 6.THE CONTRACTOR SHALL PLACE BOXED SURVEY MONUMENTS WITH 1-1/2" BRONZE HEAD SET IN CONCRETE (STD. DWG. ST-36) AT LOCATIONS SHOWN ON THESE PLANS.
- 7.A.C. SURFACE SHALL BE CUT TO A NEAT, STRAIGHT LINE PARALLEL WITH THE STREET CENTERLINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RE—COMPACTED, AND RESEALED PRIOR TO PAVING.
- 8.ANY EXISTING CONCRETE SURFACE TO BE REMOVED SHALL BE SAW CUT TO A NEAT, STRAIGHT LINE.
- 9.THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN THAT SHALL BE ACCEPTED BY THE ENGINEERING DIVISION OF PUBLIC WORKS BEFORE START OF WORK IN RIGHT-OF-WAY AND SHALL BE IN ACCORDANCE WITH CALIFORNIA MUTCD LATEST EDITION. AT LEAST ONE LANE IN EACH DIRECTION SHALL REMAIN OPEN TO TRAFFIC UNLESS OTHERWISE SHOWN ON THE PLANS. TRAFFIC CONTROL HOURS ARE SUBJECT TO LIMITATION BY THE CITY. TRAFFIC CONTROL WITH LANE CLOSURES THAT AFFECT TRAFFIC FLOW MAY REQUIRE NIGHT WORK. IF, AS A PART OF TRAFFIC CONTROL MEASURES, A ROADWAY CLOSURE HAS BEEN APPROVED, THE CONTRACTOR SHALL NOTIFY DEVELOPMENT SERVICES CONSTRUCTION INSPECTOR 72 HOURS IN ADVANCE OF SETTING UP THIS CLOSURE.
- 10.CURB RAMPS CONFORMING TO ALL ADA AND TITLE 24 REQUIREMENTS SHALL BE PLACED AT ALL NEW STANDARD CURB RETURNS (STANDARD DRAWING ST-27) AND STANDARD TYPE A-7 DRIVEWAYS. WHERE EXISTING RAMPS DO NOT MEET CURRENT ADA AND TITLE 24 REQUIREMENTS, THE RAMPS SHALL BE UPGRADED IN CONFORMANCE WITH MINIMUM TITLE 24 REQUIREMENTS. WHERE EXISTING RAMPS DO NOT INCLUDE DETECTABLE WARNING PANELS (TRUNCATED DOMES), PANELS SHALL BE RETROFITTED PER THE CONSTRUCTION STANDARDS.
- 11.DRAIN INLETS NOT WITHIN A PAVED AREA SHALL HAVE A 12" WIDE COLLAR OF 6" THICK P.C.C. OR 2" THICK A.C.
- 12.PRIOR TO THE CERTIFICATE OF COMPLETION ON ALL SINGLE—FAMILY RESIDENTIAL SUBDIVISIONS, THE DEVELOPER SHALL SUBMIT A LETTER FROM THE POST OFFICE STATING THAT ITS REQUIREMENTS FOR MAILBOX CLUSTER PADS HAVE BEEN SATISFIED.
- 13.ALL UNDERGROUND UTILITIES WITHIN EXISTING OR PROPOSED CITY OF ROSEVILLE EASEMENTS SHALL REQUIRE A MINIMUM OF 90% COMPACTION ON THE TRENCH BACKFILL. COMPACTION OF BACKFILL BY JETTING IS NOT PERMITTED IN CITY OF ROSEVILLE RIGHT OF WAY AND EASEMENT AREAS OR WITHIN DEDICATED RECLAIMED WATER, STORM, SEWER OR WATER EASEMENTS AND MAINS.
- 14.THE CONTRACTOR SHALL CONDUCT A PRE—CONSTRUCTION MEETING ONE—WEEK PRIOR TO STARTING WORK. MEMBERS OF THE CITY OF ROSEVILLE DEVELOPMENT SERVICES DEPARTMENT, ENVIRONMENTAL UTILITIES DEPARTMENT AND ALL OTHER UTILITY REPRESENTATIVES SHALL BE NOTIFIED BY THE CONTRACTOR AS TO THE DATE AND LOCATION OF THE MEETING.
- 15.PRIOR TO EXCAVATION OF TRENCHES 5 FEET OR DEEPER, THE CONTRACTOR SHALL SUBMIT TO THE DEVELOPMENT SERVICES DEPARTMENT OR ENVIRONMENTAL UTILITIES DEPARTMENT INSPECTOR A COPY OF THE COMPANY'S ANNUAL CALOSHA TRENCHING PERMIT AND A COPY OF THE COMPANY'S LETTER INFORMING CALOSHA OF THE TIME THE TRENCHING IS COMMENCING AND THE LOCATION OF THE WORK.
- 16.ALL PAINTED TRAFFIC STRIPES, ARROWS, AND PAVEMENT MARKINGS SHALL BE CONSTRUCTED WITH THERMOPLASTIC MATERIAL TO THE SPECIFICATIONS SET FORTH IN CHAPTER 3 OF THE CALIFORNIA MUTCD LATEST EDITION. NON—REFLECTIVE PAVEMENT MARKERS SHALL CONSIST OF CERAMIC MARKERS ONLY CONFORMING TO CHAPTER 3 OF THE CALIFORNIA MUTCD LATEST EDITION.
- 17.THE DEVELOPERS CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT EXISTING SITE AND ADJACENT IMPROVEMENTS FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR MAKE REPLACEMENT OF ALL CRACKED AND OTHERWISE PRE—EXISTING DAMAGED PUBLIC IMPROVEMENTS ALONG THE FRONTAGE OF THE PROJECT SITE AND ANY DAMAGE RESULTING FROM CONSTRUCTION TO CURRENT CITY STANDARDS AND AT THEIR OWN EXPENSE. THE EXTENT OF THE REPAIRS SHALL BE DETERMINED BY THE DEVELOPMENT SERVICES CONSTRUCTION INSPECTOR AND SHALL BE COMPLETED PRIOR TO THE CITY ACCEPTANCE OF THE IMPROVEMENTS.
- 18.WHERE COMBINATIONS OF SIDEWALK OR CURB AND GUTTER ARE PLACED CONTIGUOUS TO EXISTING, ALL ADJOINING EXISTING CONCRETE VERTICAL FACES SHALL BE DOWELED. ALL ABUTTING SIDEWALK ENDS SHALL BE DOWELED MID—SECTION VERTICALLY WITH TWO DOWELS FOR FOUR THROUGH SIX—FOOT WIDE SIDEWALK AND THREE DOWELS FOR WIDER SIDEWALK. ABUTTING CURB AND GUTTER ENDS SHALL BE DOWELED TWICE, 18 INCHES APART AT GUTTER PAN MID—SECTION. DOWEL CONNECTIONS OF LONGITUDINAL RUNS OF SIDEWALK TO BACK OF CURB SHALL BE THREE FEET ON CENTER. ALL DOWELS SHALL BE 16 INCHES LONG, GRADE 60, #4 REBAR PENETRATING FOUR INCHES. THE DOWEL HOLE SHALL BE 5/8-INCH DIAMETER AT A SLIGHT HORIZONTAL ANGLE FROM PERPENDICULAR. THE PENETRATING PORTION OF THE DOWEL AND THE ENTIRE (CLEANED) VERTICAL SURFACE OF THE ADJOINING, EXISTING CONCRETE SHALL BE THOROUGHLY COATED WITH STATE STANDARD TWO—PART EPOXY.
- 19.WHEN SAWCUTTING WITHIN THE STREET FOR TRENCHING OR OTHER PURPOSES, CONTRACTOR SHALL GRIND 1 1/2" OF PAVEMENT BETWEEN THE LANE LINES (FROM LANE STRIPE TO LANE STRIPE) UPON COMPLETION OF THE SAWCUTTING AND OR TRENCHING WORK. WHERE THE SAWCUTTING OCCURS BETWEEN THE CURB AND GUTTER AND NEAREST LANE STRIPE (INCLUDING BIKE LANES), THE SAME 1 1/2" GRIND SHALL BE REQUIRED. CONTRACTOR TO PLACE A PETROMAT FABRIC OR APPROVED EQUAL BY THE CITY OF ROSEVILLE AND OVERLAY FROM LANE STRIPE TO LANE STRIPE, OR CURB TO LANE STRIPE AND RESTRIPE OR REPLACE ANY DELINEATORS REMOVED DURING THE GRIND.
- 20.ALL PUBLICLY MAINTAINED STORM DRAIN ON PRIVATE PROPERTY SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER AND SHALL BE RCP CL IV, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- 21.FOR RESIDENTIAL SUBDIVISIONS, UNLESS OTHERWISE APPROVED BY DEVELOPMENT SERVICES ENGINEERING, THE FINAL GRADING OF THE PROJECT SITE SHALL BE CONSTRUCTED TO ACCOMMODATE A MAXIMUM DRIVEWAY SLOPE OF 14% FOR EACH RESIDENTIAL LOT, AS MEASURED FROM THE BACK OF THE SIDEWALK TO THE GARAGE (20—FT SET BACK). IT WILL REMAIN THE RESPONSIBILITY OF THE BUILDERS/DEVELOPER TO DESIGN A HOUSE THAT PROVIDES SUITABLE ACCESS TO THE PARCEL.
- 22.THE CONTRACTOR SHALL PLACE FILTER FABRIC BETWEEN THE INITIAL BEDDING AND BACKFILL AND THE TRENCH BACKFILL FOR SANITARY SEWERS DEPTH GREATER THAN 15 FEET MEASURED TO THE PIPE INVERT.

GRADING:

- 1.GRADING SHALL CONFORM TO APPENDIX CHAPTER 33 UBC, LATEST EDITION, AND TO THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORT BY WALLACE—KUHL & ASSOCIATES. (ENGINEERING DIV. FILE NO. 308—892)
- 2.ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS SPECIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT OR AS DETERMINED BY THE CITY INSPECTOR. THE SWPPP IS CONSIDERED A DYNAMIC DOCUMENT AND WILL CHANGE AS CONDITIONS WARRANT. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED AS SHOWN ON THE SWPPP PLAN.
- 3.LOTS SHALL BE GRADED WITH A CONSTANT SLOPE ALONG THE FRONTAGE OF THE RIGHT—OF—WAY, FROM BUILDING SETBACK LINE TO BACK OF SIDEWALK. ALL TEMPORARY AND PERMANENT SLOPES STEEPER THAN 4:1 ALONG THIS FRONTAGE SHALL HAVE EROSION NETTING INSTALLED.
- 4.ALL REAR LOT CORNER ELEVATIONS SHALL BE EQUAL TO OR GREATER THAN THE HIGHEST ADJACENT PAD GRADE UNLESS SPECIFICALLY SHOWN ON THESE PLANS AND APPROVED BY ENGINEERING DIVISION.
- 5.NON—POTABLE WATER SHALL BE SPRAYED ON ALL EXPOSED EARTH SURFACES DURING CLEARING GRADING, EARTH MOVING, AND OTHER SITE PREPARATION ACTIVITIES. THE EXPOSED EARTH SHALL BE WATERED THROUGHOUT THE DAY TO MINIMIZE DUST.
- 6.TARPAULINS OR OTHER EFFECTIVE COVERS SHALL BE USED ON ALL STOCKPILED EARTH MATERIAL AND ON HAUL TRUCKS TO MINIMIZE DUST.
- 7.THE CITY SHALL HAVE THE AUTHORITY TO STOP ALL GRADING OPERATIONS, IF, IN OPINION OF CITY STAFF, INADEQUATE DUST CONTROL MEASURES ARE BEING PRACTICED OR EXCESSIVE WIND CONDITIONS CONTRIBUTE TO FUGITIVE DUST EMISSIONS.

- 8.ADJACENT STREET FRONTAGES SHALL BE SWEEPED AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES. REFER TO SCHEDULES WITHIN SWPPP.
- 9.THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAVING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE. REFER TO SWPPP FOR SPECIFIC REQUIREMENTS.
- 10.CONSTRUCTION SHALL STOP IF CULTURAL RESOURCES ARE SUSPECTED. IT IS POSSIBLE THAT PREVIOUS ACTIVITIES HAVE OBTSCURED SURFACE EVIDENCE OF CULTURAL RESOURCES. IF SIGNS OF AN ARCHEOLOGICAL SITE, SUCH AS ANY UNUSUAL AMOUNTS OF STONE, BONE, OR SHELL, ARE UNCOVERED DURING GRADING OR OTHER CONSTRUCTION ACTIVITIES, WORK SHALL BE HALTED WITHIN 100 FEET OF THE FIND AND THE ROSEVILLE COMMUNITY DEVELOPMENT DEPARTMENT SHALL BE NOTIFIED. A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED FOR AN ON—SITE EVALUATION. THE ARCHEOLOGIST MAY REQUIRE ADDITIONAL MITIGATION.
- 11.SHOULD GRADING OPERATIONS UNCOVER HAZARDOUS MATERIALS, OR WHAT APPEARS TO BE HAZARDOUS MATERIALS, THE FIRE DEPARTMENT SHALL BE CONTACTED IMMEDIATELY AT (916) 774—5800. THE AREA, WHICH CONTAINS THE HAZARDOUS MATERIALS, SHALL BE MARKED OFF UNTIL AN INVESTIGATION BY A MEMBER OF THE FIRE DEPARTMENT IS CONDUCTED.
- 12.GRADES SHOWN OUTSIDE OF THE PUBLIC RIGHT OF WAY WITHIN THE APPROVED GRADING PLAN ARE SUBJECT TO FURTHER REVIEW AND MODIFICATION BY THE BUILDING DIVISION FOR COMPLIANCE WITH THE UNIFORM BUILDING CODE AND STATE OF CALIFORNIA TITLE 24 HANDICAP ACCESSIBILITY REQUIREMENTS.
- 13.THE CONTRACTOR/DEVELOPER IS EXPECTED TO COMPLY WITH THE FUGITIVE DUST CONTROL REQUIREMENTS FROM THE PLACER COUNTY AIR POLLUTION CONTROL DISTRICT: WWW.PLACER.CA.GOV/APCD
- 14.CONTAMINATED SOIL — DEVELOPER AGREES TO PROPERLY ADHERE TO ALL THEN CURRENT STATE AND FEDERAL REQUIREMENTS WHEN ANY EVIDENCE OF TOXIC, HAZARDOUS OR CONTAMINATED SOILS ARE ENCOUNTERED DURING ANY AND ALL EXCAVATION OR GRADING OPERATIONS, AND TO INDEMNIFY, DEFEND AND HOLD HARMLESS THE CITY OR ROSEVILLE, ITS OFFICERS, AGENTS AND EMPLOYEES, FROM ANY AND ALL LIABILITY, COSTS, CLAIMS, FEES, FINES, PENALTIES AND CLAIMS OF OR DAMAGE OF ANY TYPE WHATSOEVER. EXTRA COSTS FOR REMEDIATION AND/OR REMOVAL OF SOIL SHALL BE BOURN SOLELY BY THE DEVELOPER. THE PARTIES INTEND THAT THIS PROVISION BE BROADLY CONSTRUED.

EROSION/SEDIMENT CONTROL:

- 1.THE STATE'S GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (WQD 98—080—DWQ) REQUIRES THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR SITES WITH SOIL DISTURBANCES GREATER THAN OR EQUAL TO ONE ACRE, OR FROM SITES SMALLER THAN ONE ACRE IF THE CONSTRUCTION ACTIVITY IS PART OF A LARGER PLAN OF DEVELOPMENT OR SALE THAT DISTURBS ONE ACRE OR MORE. CONSTRUCTION ACTIVITY SHALL NOT COMMENCE, NOR A PRE—CONSTRUCTION MEETING PERMITTED TO BE SCHEDULED, PRIOR TO THE SWPPP BEING ACCEPTED BY THE CITY. FOR MORE INFORMATION SEE: [HTTP://WWW.ROSEVILLE.CA.US/EU/STORMWATER_MANAGEMENT](http://WWW.ROSEVILLE.CA.US/EU/STORMWATER_MANAGEMENT)
- 2.THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS INCORPORATED BY REFERENCE INTO THIS SET OF PLANS. THE SWPPP IS CONSIDERED A DYNAMIC DOCUMENT AND WILL CHANGE AS CONDITIONS WARRANT. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED AS SHOWN ON THESE PLANS.
- 3.A COPY OF THE SWPPP SHALL BE KEPT AT THE PROJECT SITE AT ALL TIMES.
- 4.ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS SPECIFIED IN THE SWPPP AND/OR AS DIRECTED BY CITY INSPECTOR.
- 5.NO GRADING OR TRENCHING, EXCEPT AS REQUIRED FOR EROSION OR SEDIMENT CONTROL, SHALL OCCUR WITHIN 35 FEET FROM THE CENTERLINE OF PERENNIAL AND INTERMITTENT DRAINAGE SWALES BETWEEN OCTOBER 15 AND APRIL 15 EXCEPT AS APPROVED BY THE DEPARTMENT OF FISH AND GAME.
- 6.ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE SWPPP.
- 7.THE CONTRACTOR SHALL ESTABLISH A SPECIFIC SITE WITHIN THE DEVELOPMENT FOR MAINTENANCE AND STORAGE OF EQUIPMENT OR ANY OTHER ACTIVITY THAT MAY ADVERSELY CONTRIBUTE TO THE WATER QUALITY OF THE RUNOFF IN ACCORDANCE WITH THE SWPPP.

AIR QUALITY:

THE FOLLOWING NOTES ARE PROVIDED AS REFERENCE TO APPLICABLE PLACER COUNTY AIR POLLUTION CONTROL DISTRICT ADOPTED RULES AND REGULATIONS. COMPLIANCE WITH ALL APPLICABLE APCD RULES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. AIR QUALITY RULES ARE ENFORCED SOLELY BY THE PLACER COUNTY AIR POLLUTION CONTROL DISTRICT.

- 1.CONSTRUCTION EQUIPMENT EXHAUST EMISSIONS SHALL NOT EXCEED PLACER COUNTY APCD RULE 202 VISIBLE EMISSION LIMITATIONS. OPERATORS OF VEHICLES AND EQUIPMENT FOUND TO EXCEED OPACITY LIMITS ARE TO BE IMMEDIATELY NOTIFIED BY APCD TO CEASE OPERATIONS AND THE EQUIPMENT MUST BE REPAIRED WITHIN 72 HOURS. (BASED ON APCD RULE 202)
- 2.THE CONTRACTOR SHALL SUSPEND ALL GRADING OPERATIONS WHEN FUGITIVE DUST EXCEEDS PLACER COUNTY APCD RULE 228 (FUGITIVE DUST) LIMITATIONS. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN INDIVIDUAL WHO IS CARB—CERTIFIED TO PERFORM VISIBLE EMISSIONS EVALUATIONS (VEE). THIS INDIVIDUAL SHALL EVALUATE COMPLIANCE WITH RULE 228 ON A WEEKLY BASIS. IT IS TO BE NOTED THAT FUGITIVE DUST IS NOT TO EXCEED 40% OPACITY AND NOT GO BEYOND THE PROPERTY BOUNDARY AT ANY TIME. LIME OR OTHER DRYING AGENTS UTILIZED TO DRY OUT WET GRADING AREAS SHALL NOT EXCEED PLACER COUNTY APCD RULE 228 FUGITIVE DUST LIMITATIONS. OPERATORS OF VEHICLES AND EQUIPMENT FOUND TO EXCEED OPACITY LIMITS WILL BE NOTIFIED BY APCD AND THE EQUIPMENT MUST BE REPAIRED WITHIN 72 HOURS. ALL PROJECTS IN EXCESS OF 5 ACRES SHALL HAVE AN APPROVED DUST CONTROL PLAN FROM THE PLACER COUNTY AIR POLLUTION CONTROL DISTRICT. (BASED ON APCD RULE 228)
- 3.DURING CONSTRUCTION, TRAFFIC SPEEDS ON ALL UNPAVED SURFACES SHALL BE LIMITED TO 15 MILES PER HOUR OR LESS. (BASED ON APCD RULE 228 / SECTION 401.2)
- 4.DURING CONSTRUCTION, NO OPEN BURNING OF REMOVED VEGETATION SHALL BE ALLOWED UNLESS PERMITTED BY THE PCAPCD. ALL REMOVED VEGETATIVE MATERIAL SHALL BE EITHER CHIPPED ON SITE OR TAKEN TO AN APPROPRIATE RECYCLING SITE, OR IF A SITE IS NOT AVAILABLE, A LICENSED DISPOSAL SITE. (BASED ON APCD RULE 310)
- 5.A PERSON SHALL NOT DISCHARGE INTO THE ATMOSPHERE VOLATILE ORGANIC COMPOUNDS (VOC'S) CAUSED BY THE USE OR MANUFACTURE OF CUTBACK OR EMULSIFIED ASPHALTS FOR PAVING, ROAD CONSTRUCTION OR ROAD MAINTENANCE, UNLESS SUCH MANUFACTURE OR USE COMPLIES WITH THE PROVISIONS RULE 217. (BASED ON APCD RULE 217).
- 6.PROCESSES THAT DISCHARGE 2 POUNDS PER DAY OR MORE OF AIR CONTAMINANTS, AS DEFINED BY HEALTH AND SAFETY CODE SECTION 39013, TO THE ATMOSPHERE MAY REQUIRE A PERMIT. PERMITS MAY BE REQUIRED FOR BOTH CONSTRUCTION AND OPERATION. DEVELOPERS/CONTRACTORS SHOULD CONTACT THE DISTRICT PRIOR TO CONSTRUCTION AND OBTAIN ANY NECESSARY PERMITS PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. (BASED ON THE CALIFORNIA HEALTH & SAFETY CODE SECTION 39013)

GENERAL FIRE DEPARTMENT NOTES:

- 1.AN APPROVED PROJECT SIGN SHALL BE PLACED AT VEHICLE ACCESS POINTS INTO THE PROJECT DURING CONSTRUCTION TO ASSIST EMERGENCY RESPONDERS. THE SIGN SHALL IDENTIFY THE ADDRESS, AS APPROVED BY THE CITY OF ROSEVILLE. SUCH SIGNS SHALL BE CLEARLY VISIBLE AND LEGIBLE FROM THE STREET FRONTING THE PROJECT.
- 2.PRIOR TO COMBUSTIBLE MATERIALS BEING BROUGHT TO THE SITE, FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED WITHIN 150 FEET OF ALL STRUCTURES AND COMBUSTIBLE STORAGE PILES. FIRE APPARATUS ACCESS ROADS SHALL BE FULLY PAVED AND SHALL BE DESIGNED TO SUPPORT THE IMPOSED WEIGHT OF A FIRE APPARATUS (34 TONS GVW), UNLESS PRIOR APPROVAL IS OBTAINED FROM THE FIRE DEPARTMENT FOR TEMPORARY ACCESS ROADS. ACCESS ROADS SHALL BE PROVIDED WITH A MINIMUM 20—FOOT ROADWAY WIDTH AND 13 FOOT 6 INCH VERTICAL CLEARANCE.
- 3.PRIOR TO COMBUSTIBLE MATERIALS BEING BROUGHT TO THE SITE, ANY REQUIRED ON—SITE FIRE HYDRANTS SHALL BE COMPLETED AND ACCEPTED BY THE ROSEVILLE FIRE DEPARTMENT.
- 4.CONSTRUCTION MATERIAL AND VEHICLES SHALL NOT OBSTRUCT FIRE APPARATUS ACCESS TO FIRE APPARATUS ROADS, FIRE HYDRANTS OR THE BUILDING.
- 5.BARRICADES SHALL BE PROVIDED TO PROTECT ANY NATURAL GAS METER, FIRE HYDRANT, FIRE DEPARTMENT CONTROL DEVICE, OR OTHER POSSIBLE PERTINENT EQUIPMENT OR DEVICES THAT MAY BE SUBJECT TO VEHICULAR DAMAGE.

6.PROVIDE AND MAINTAIN A MINIMUM 3—FOOT CLEAR SPACE AROUND FIRE PROTECTION EQUIPMENT.

7.THE BURNING OF COMBUSTIBLE CONSTRUCTION MATERIALS AND TRASH IS PROHIBITED.

8.ASPHALT AND TAR KETTLES SHALL NOT BE LOCATED WITHIN 20 FEET OF ANY COMBUSTIBLE MATERIAL, COMBUSTIBLE BUILDING SURFACE OR BUILDING OPENING. AN ATTENDANT SHALL BE WITHIN 100 FEET OF A KETTLE WHEN THE HEAT SOURCE IS OPERATING. A MINIMUM OF ONE (1) 20B:C PORTABLE FIRE EXTINGUISHER SHALL BE LOCATED WITHIN 30 FEET OF THE KETTLE, AND ON THE ROOF DURING ASPHALT COATING OPERATIONS.

9.DRYWALL AND OTHER TEMPORARY HEATING DEVICES SHALL BE OF AN APPROVED TYPE, LOCATED AWAY FROM COMBUSTIBLE MATERIALS AND ATTENDED AND MAINTAINED AT ALL TIMES. HEATING DEVICES SHALL NOT BE OPERATED AFTER NORMAL WORKING HOURS WITHOUT BEING ATTENDED TO ON AN HOURLY BASIS.

10.CUTTING AND WELDING OPERATIONS SHALL CONFORM TO THE HOT WORK PROVISIONS OF CHAPTER 35 OF THE FIRE CODE. A FIRE WATCH SHALL BE PROVIDED DURING HOT—WORK ACTIVITIES AND SHALL CONTINUE FOR A MINIMUM OF 30 MINUTES AFTER THE CONCLUSION OF THE WORK.

11.IF SITE SURVEY OR EARTH MOVING WORK RESULTS IN THE DISCOVERY OF HAZARDOUS MATERIALS IN CONTAINERS, OR WHAT APPEARS TO BE HAZARDOUS WASTES RELEASED INTO THE GROUND, THE CONTRACTOR OR APPLICANT SHALL IMMEDIATELY REPORT THE FINDING TO THE ROSEVILLE FIRE DEPARTMENT VIA PHONE AT (916) 774—5800. ALL SUSPECTED AREAS SHALL BE MARKED OFF WITH APPROVED SIGNAGE OR CAUTION TAPE UNTIL SUCH TIME THAT A REPRESENTATIVE FROM THE FIRE DEPARTMENT DETERMINES WHETHER THE RELEASE IS REPORTABLE OR NOT AND IF SITE REMEDIATION IS REQUIRED.

12.FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CHAPTER 33 OF THE CALIFORNIA FIRE CODE.

13.ADEQUATE RADIO COVERAGE SHALL BE PROVIDED WITHIN BUILDINGS FOR PUBLIC SAFETY AGENCIES, AS REQUIRED BY FIRE CODE.

14.PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN OCCUPANCIES AND LOCATIONS AS SET FORTH IN THE CALIFORNIA FIRE CODE AND AS REQUIRED BY THE CHIEF. PROVIDE A MINIMUM OF ONE (1) PORTABLE FIRE EXTINGUISHER WITHIN EACH TENANT SPACE. THE MAXIMUM TRAVEL DISTANCE TO THE FIRE EXTINGUISHER SHALL NOT EXCEED 75—FEET. THE MINIMUM RATING CLASSIFICATION FOR THE EXTINGUISHER SHALL BE NOT LESS THAN 2A—10B:C. THE MAXIMUM TRAVEL DISTANCE FROM ANY POINT IN A LIGHT HAZARD AREA OF CLASS A HAZARDS SHALL NOT BE MORE THAN 75 FEET FROM A CLASS 2A—10B:C. FIRE EXTINGUISHER AND ONE EXTINGUISHER SHALL BE PROVIDED FOR EACH 6,000 SQUARE FEET. THE MAXIMUM TRAVEL DISTANCE FROM ANY POINT IN AN ORDINARY HAZARD OF CLASS A HAZARDS AREA SHALL NOT BE MORE THAN 75 FEET AND ONE EXTINGUISHER SHALL BE PROVIDED FOR EACH 3,000 SQUARE FEET. THE MAXIMUM TRAVEL DISTANCE TO CLASS B EXTINGUISHERS IS EITHER 30 FEET OR 50 FEET DEPENDING UPON THE SIZE OF THE EXTINGUISHER AND THE CLASSIFICATION OF THE HAZARD. REFER TO UFC STANDARD NO. 10—1 FOR COMPLETE REQUIREMENTS. ALL PORTABLE FIRE EXTINGUISHERS SHALL HAVE A SERVICE TAG AFFIXED TO THEM SHOWING THAT THE EXTINGUISHER HAS BEEN SERVICED BY A CALIFORNIA STATE LICENSED FIRE EXTINGUISHER CONCERN. ALL FIRE EXTINGUISHERS SHALL BE ATTACHED TO A BRACKET OR WITHIN AN APPROVED CABINET. MAXIMUM DISTANCE FROM THE FLOOR SHALL NOT EXCEED 54—INCHES. SIGNAGE SHALL BE POSTED ABOVE THE EXTINGUISHER AND SHALL READ FIRE EXTINGUISHER.

15.THE REQUIRED MINIMUM FIRE FLOW FOR THE PROTECTION OF THE PROPOSED PROJECT IS _____ GALLONS PER MINUTE WITH 20 POUNDS PER SQUARE INCH RESIDUAL WATER PRESSURE REMAINING IN THE SYSTEM. A CHANGE IN ANY OF THE CONDITIONS MAY INCREASE THE REQUIRED FIRE FLOW.

16.ALL UNDERGROUND FIRE LINE SHALL BE HYDRAULICALLY PRESSURED AT 200 PSI FOR TWO—HOURS PER THE NFPA STANDARD FOR UNDERGROUND FIRE WATER LINE. AN INSPECTION SHALL BE REQUIRED TO WITNESS THE TEST WITH A SUBSEQUENT INSPECTION AFTER THE TWO—HOUR DURATION HAS EXPIRED.

17.TEMPORARY USE OF ON—SITE GENERATORS WITH OVER 60 GALLONS OF DIESEL FUEL SHALL REQUIRE A FIRE DEPARTMENT PERMIT AND MUST MEET THE REQUIREMENTS OF THE CHAPTER 6.95 OF THE HEALTH AND SAFETY CODE, THE ROSEVILLE FIRE DEPARTMENT AND THE NATIONAL FIRE CODES. CONTACT THE FIRE DEPARTMENT AT 916—774—5800 TO INITIATE THE PERMIT APPLICATION.

18.SECTION 10.6.2 OF NFPA 24 HAS BEEN AMENDED NOT TO ALLOW MECHANICAL JOINTS UNDER BUILDINGS. SEE CHAPTER 80 OF THE CALIFORNIA FIRE CODE, PAGE 519. PROVIDE DETAIL OF THE PROPOSED RISER AND UNDERGROUND DETAIL TO THE PAD.

19.CIVIL IMPROVEMENT PLANS SHALL BE RESUBMITTED IF IT HAS BEEN DETERMINED BY THE APPLICANT THAT AN ON—SITE FIRE PUMP WILL BE REQUIRED AS THE RESULT OF SUPPLYING 100 PSI RESIDUAL PRESSURE AT THE STANDPIPE ROOF OUTLET ACCORDANCE WITH NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS.

20.THE SUBMITTED PRIVATE UNDERGROUND FIRE LINE SHALL BE REVIEWED AND APPROVED BY THE ENVIRONMENTAL UTILITIES DEPARTMENT (EUD) IN CONJUNCTION WITH THE FIRE DEPARTMENT (RFD) PRIOR TO REQUESTING FOR THE REQUIRED INSPECTION FROM THE RFD. THE FIRE SPRINKLER PLANS WILL NOT BE APPROVED BY THE RFD UNTIL THE UNDERGROUND SERVICE LATERAL HAS BEEN INSPECTED AND ACCEPTED BY THE RFD.

21.ALL PROPOSED BURIED BOLTS SHALL BE COATED WITH A LISTED PRODUCT SUCH AS CHRISTY'S HD—50.

22.ACCORDING TO NFPA 13, 6.3.1.1.1, THE UNDERGROUND FIRE LINE CANNOT EXTEND INTO THE BUILDING FURTHER THAN 24 INCHES.

23.AN 18 AWG MINIMUM GAUGE TRACER WIRE SHALL BE INSTALLED ALONG ALL NON—METALLIC UNDERGROUND PIPING IN ACCORDANCE WITH SECTION 604 OF THE CALIFORNIA PLUMBING CODE. NOTATIONS SHALL BE MADE ON THE RESUBMITTAL.

24.FIRE DEPARTMENT CONNECTION(S) SHALL BE WITHIN 2—FEET OF BACK OF CURB OR BACK OF WALKWAY, AND SHALL REMAIN UNOBSTRUCTED AT ALL TIMES.

25.ALL FIRE DEPARTMENT CONNECTIONS SHALL BE LABELED WITH THE APPROPRIATE ADDRESS.

26.MECHANICAL JOINTS SHALL BE INSTALLED AT AREAS NOTED PER THE EBBA THRUST RESTRAINT DESIGN PROGRAM SPECIFICATIONS.

27.CONDUITS SHALL BE INSTALL AND AVAILABLE FOR FUTURE MONITORING OF ALL FIRE PROTECTION DEVICES.

28.ALL WORK SHALL BE INSPECTED BY THE FIRE DEPARTMENT PRIOR TO INSTALLING GROUND MATERIALS.

29.TO SCHEDULE A FIRE DEPARTMENT INSPECTION FOR ANY ON—SITE WORK, FOLLOW THE DIRECTIONS USING THE CITY OF ROSEVILLE CITIZEN PORTAL AT PERMITS.ONLINE.ROSEVILLE.CA.US. THE FOLLOWING BD NUMBER BELOW SHALL BE USED WHEN SCHEDULING A FIRE DEPARTMENT INSPECTION. A BD NUMBER WILL BE ISSUED UPON APPROVAL. ALL INQUIRING REGARDING INSPECTIONS AND PERMIT FEES SHALL BE MADE BY CALLING (916) 774—5332.

LEGEND:

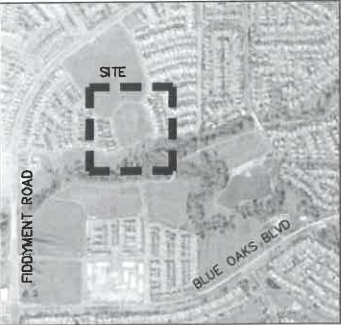
EXISTING



PROPOSED



ELECTRICAL LINE
SEWER LINE
DOMESTIC WATER LINE
STORM DRAIN LINE
IRRIGATION LINE
CLEANOUT
STORM DRAIN PLAY AREA DRAIN
STORM DRAIN AREA DRAIN
DOMESTIC WATER/IRRIGATION BACKFLOW PREVENTER
WATER METER
EXISTING MANHOLE
EXISTING STORM DRAIN INLET
EXISTING WATER METER
EXISTING WATER VALVE
EXISTING FIRE HYDRANT



VICINITY MAP

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landscape architecture and planning,
SACRAMENTO | SANTA ROSA
916.441.2129 | www.quadrigo-inc.com

CITY OF
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CWJ - 190070
EN - 18-0892
BD -

R.G. Phillips Park
Park Site F-52

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02/21/19

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GENERAL NOTES,
LEGEND, &
ABBREVIATIONS

Date: 2/21/19
Project Number: 18-1629
Scale: AS SHOWN

C1.0

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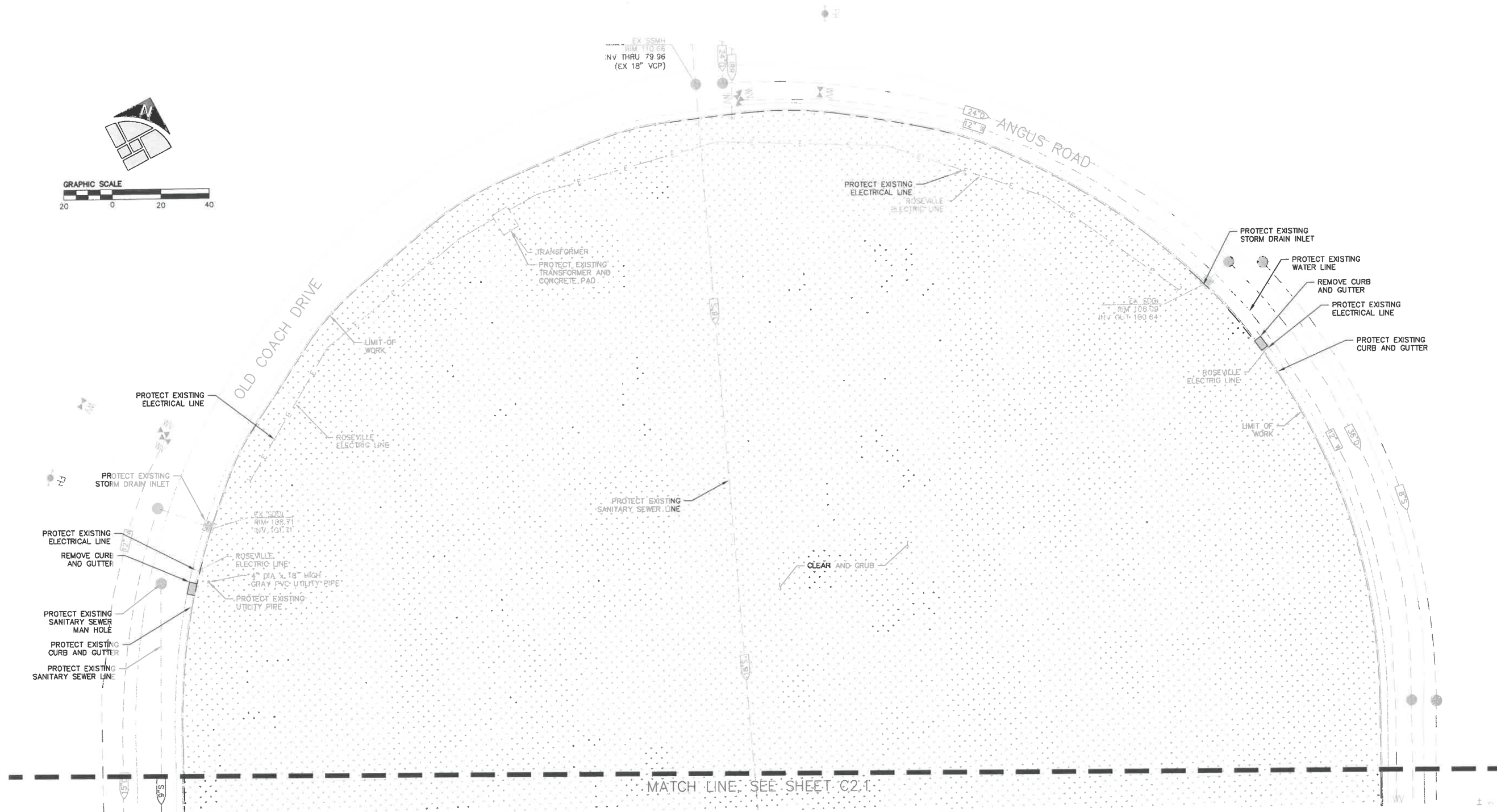
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City of Roseville Approval

DEMOLITION PLAN

Date: 2/24/21
Project Number: 18-1629
Scale: AS SHOWN

C2.0



DEMOLITION ITEMS

- CLEAR AND GRUB
- REMOVE CURB AND GUTTER
- LIMIT OF WORK

DEMOLITION NOTES

- CONTRACTOR TO CLEAR AND GRUB WITHIN THE LIMITS OF PROPOSED WORK, UNLESS OTHERWISE NOTED ON PLANS.
- THE UTILITY LINES AND STRUCTURES SHOWN ON THESE PLANS ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES AND STRUCTURES NOT SHOWN ON THIS PLAN, SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.
- THE CONTRACTOR IS REQUIRED BY STATE LAW TO ACTIVELY RESEARCH THE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION, REFERENCE ANY MONUMENTS, AND REPLACE THOSE DAMAGED OR REMOVED DURING CONSTRUCTION.
- THE LIMITS OF DEMOLITION SHOWN ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING SURROUNDINGS, LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, AND SIDEWALKS AND AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES OR HAZARDOUS CONDITIONS.
- EXISTING CURB AND SIDEWALK AND LANDSCAPE/IRRIGATION WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- PROTECT ALL EXISTING UTILITIES AND SITE FEATURES FROM BEING DAMAGED, UNLESS OTHERWISE NOTED. ALL UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE ENGINEER.
- WHERE PAVING IS REQUIRED CONTRACTOR SHALL EXCAVATE SOILS TO LEVEL OF PROPOSED SUBGRADE.
- "REMOVE" MEANS TO REMOVE AND DISPOSE OF IN A LEGAL MANNER.
- "PROTECT" MEANS TO SECURE AND PREVENT DAMAGE TO AN EXISTING ITEM, INCLUDING ANY TEMPORARY MEASURES SUCH AS FENCES, BARRICADES, AND SHORING. ANY ITEM DESIGNATED TO BE PROTECTED THAT IS DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- VOIDS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE BACKFILLED WITH ENGINEERED FILL AND FINISHED SURFACES SHALL BE GRADED TO DRAIN.
- CONTRACTOR TO COORDINATE WITH CITY TO DETERMINE AN APPROPRIATE LOCATION TO STORE SALVAGED MATERIALS.

**R.G. Phillips Park
Park Site F-52**

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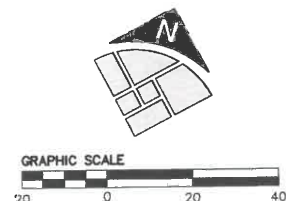
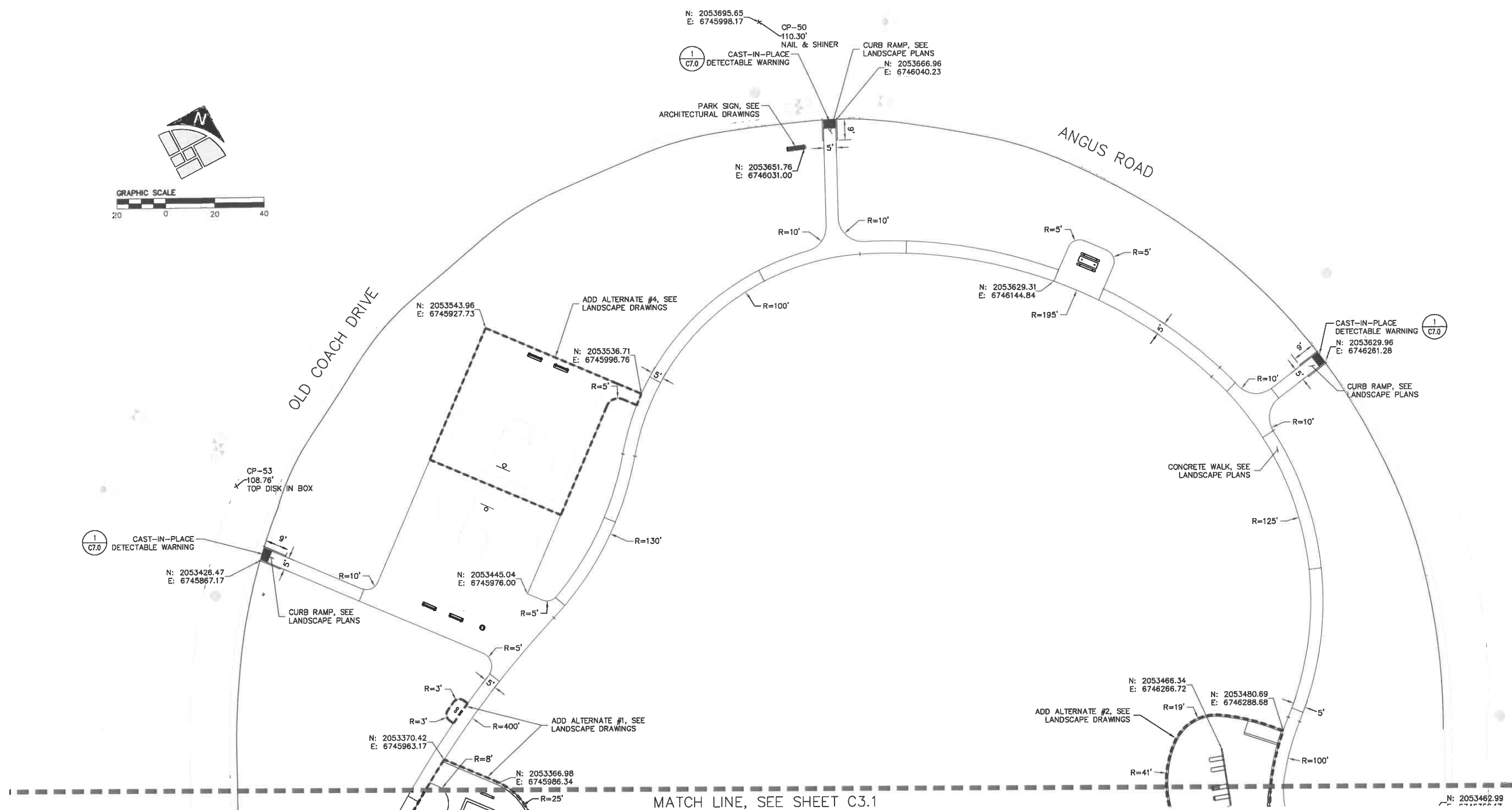
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City of Roseville Approval

STAKING AND
REFERENCE PLAN

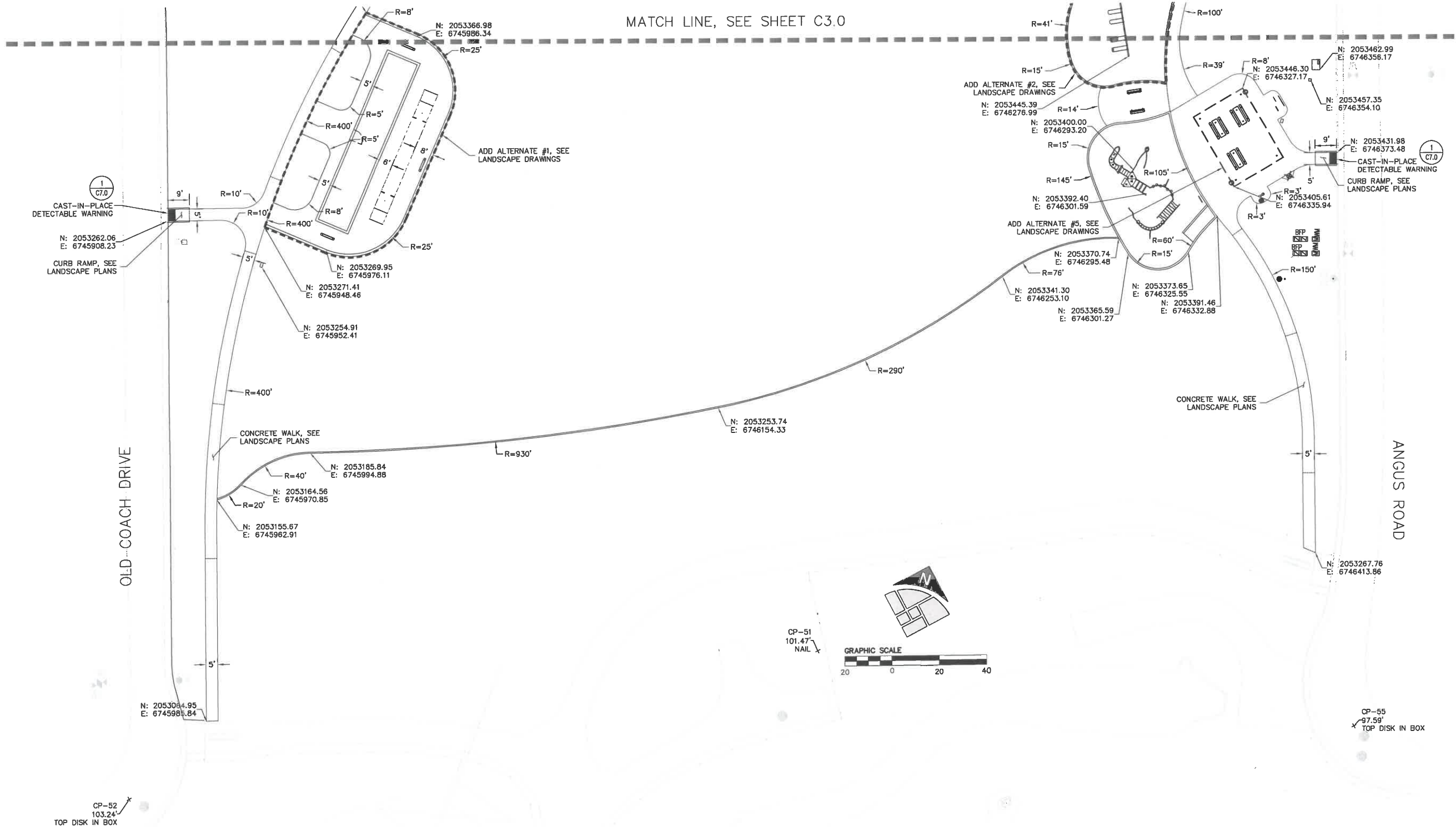
Date: 2/14/21
Project Number: 18-1629
Scale: AS SHOWN

C3.0



| CONTROL POINTS | | | |
|----------------|-----------------|------------|------------|
| POINT # | DESCRIPTION | NORTHING | EASTING |
| CP-50 | NAIL & SHINER | 2053695.65 | 6745998.17 |
| CP-51 | NAIL | 2053167.72 | 6746224.49 |
| CP-52 | TOP DISK IN BOX | 2053023.92 | 6745964.10 |
| CP-53 | TOP DISK IN BOX | 2053452.82 | 6745849.07 |
| CP-55 | TOP DISK IN BOX | 2053202.44 | 6746450.94 |

For Council Approval
Do Not Use for Bidding



| CONTROL POINTS | | | | |
|----------------|-----------------|------------|------------|--|
| POINT # | DESCRIPTION | NORTHING | EASTING | |
| CP-50 | NAIL & SHINER | 2053695.65 | 6745998.17 | |
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| CP-55 | TOP DISK IN BOX | 2053202.44 | 6746450.94 | |

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STAKING AND
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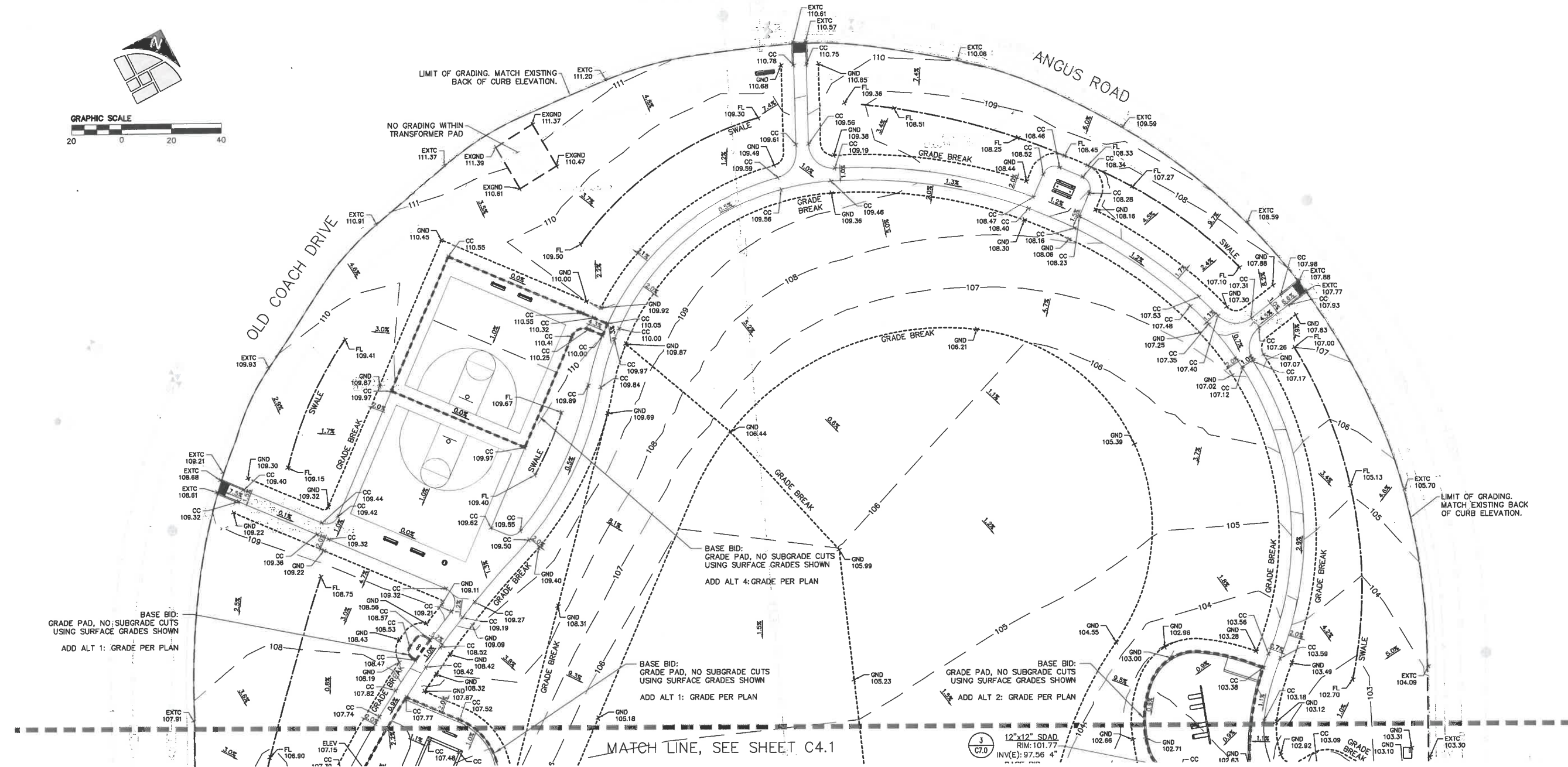


**GRADING AND
DRAINAGE PLAN**

Date: 2019/01/21
Project Number: 18-1629
Scale: AS SHOWN

C4.0

For Council Approval
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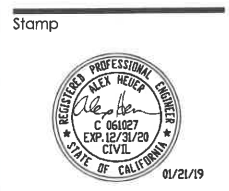


VOLUME TABLE

| | CY |
|---------|---------|
| CUT | 4,949.8 |
| FILL | 4,940.6 |
| NET CUT | 9.1 |

**R.G. Phillips Park
Park Site F-52**
Construction Documents 100%

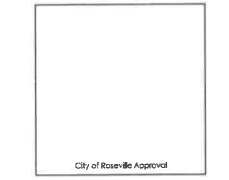
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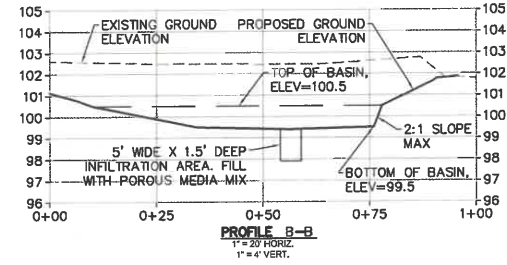
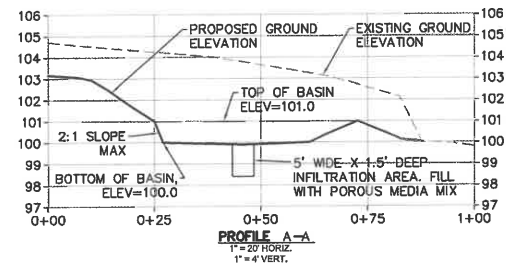
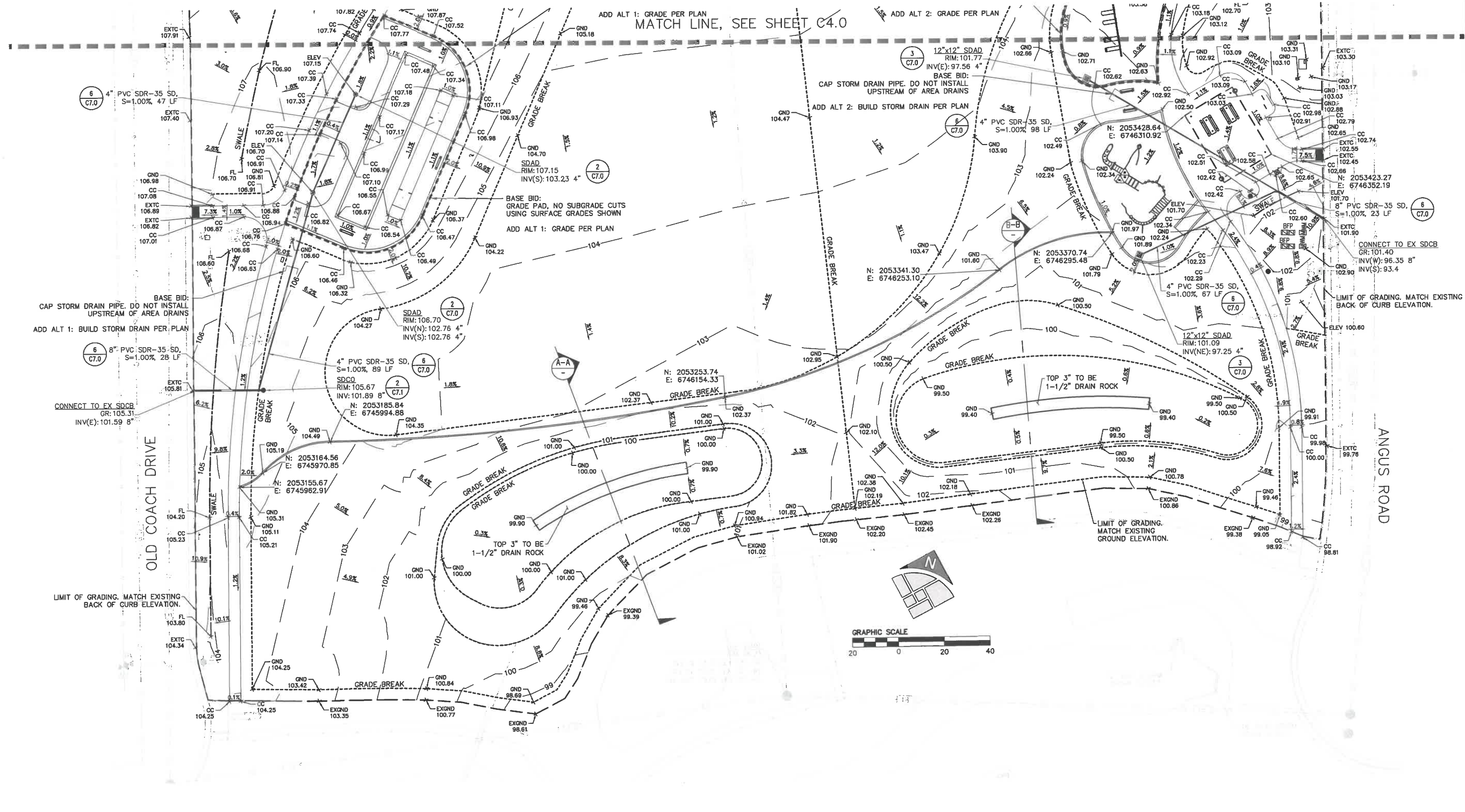


**GRADING AND
DRAINAGE PLAN**

Date: 2/23/21
Project Number: 18-1629
Scale: AS SHOWN

For Council Approval
Do Not Use for Bidding

C4.1



VOLUME TABLE

| | CY |
|---------|---------|
| CUT | 4,949.8 |
| FILL | 4,940.6 |
| NET CUT | 9.1 |

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Park Site F-52**
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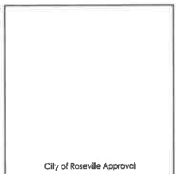
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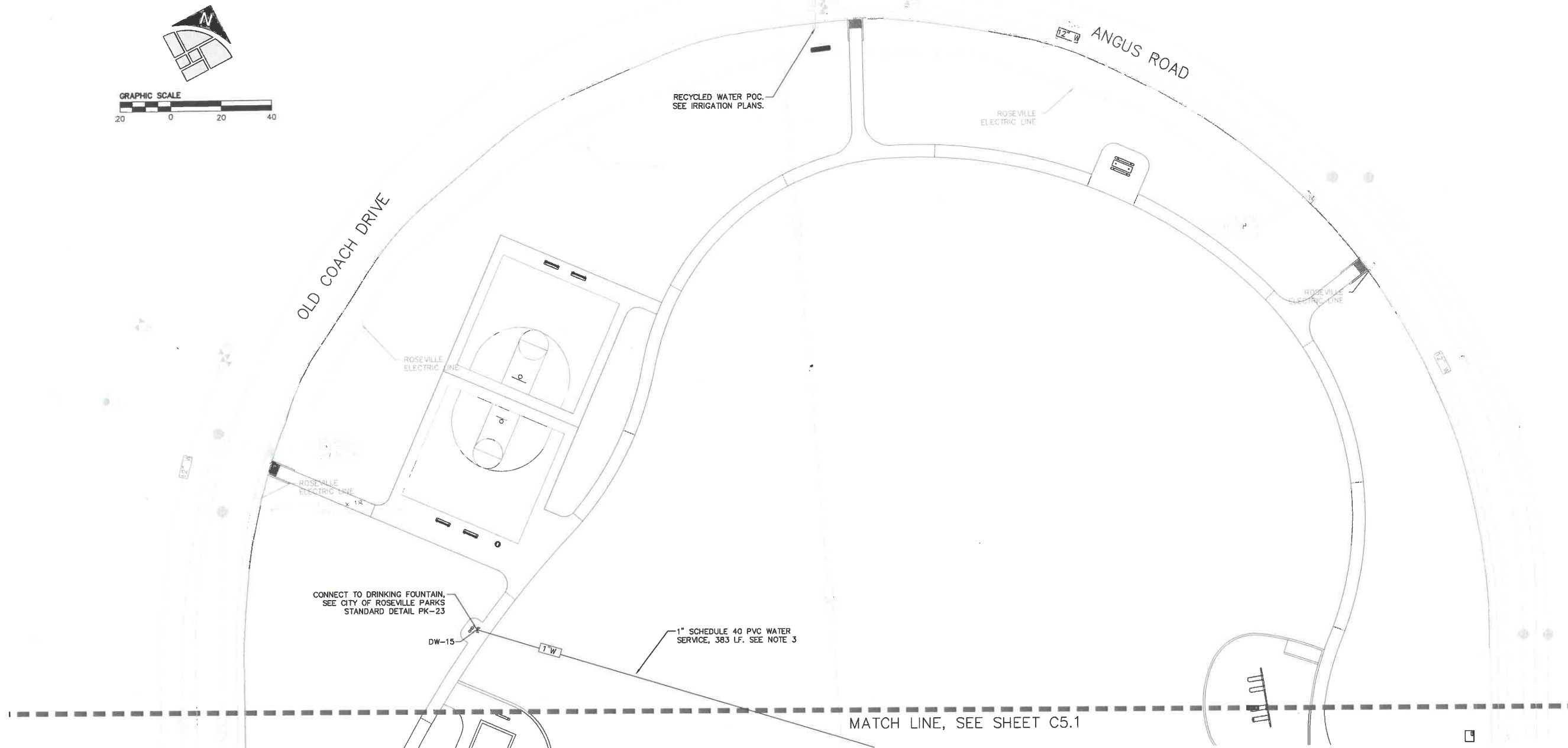
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UTILITY PLAN

Date: 20/01/21
Project Number: 18-1629
Scaler: AS SHOWN

C5.0



| DOMESTIC WATER POINT TABLE | | | |
|----------------------------|---------|------------|------------|
| POINT NO. | INVERT | NORTHING | EASTING |
| DW-10 | 98.500 | 2053385.95 | 6746367.95 |
| DW-11 | 98.500 | 2053384.92 | 6746364.44 |
| DW-12 | 98.500 | 2053393.55 | 6746358.65 |
| DW-13 | 98.500 | 2053393.50 | 6746347.52 |
| DW-14 | 98.500 | 2053402.85 | 6746347.48 |
| DW-15 | 104.000 | 2053391.80 | 6745964.42 |

NOTES:

1. SEE CITY OF ROSEVILLE PARK STANDARD DETAIL PK-6 AND PK-5 FOR UTILITY TRENCH AND BACKFILL.
2. REFER TO CITY OF ROSEVILLE PUBLIC WORKS DESIGN AND CONSTRUCTION STANDARDS FOR ACCEPTED BACKFLOW PREVENTION DEVICES.
3. WHERE DOMESTIC WATER PIPE PASSES UNDER PROPOSED CONCRETE, SLEEVE THE PVC PIPE IN 2-1/2 INCH DUCTILE IRON PIPE.

ABBREVIATIONS

| | | | |
|-------|----------------------|-------|--|
| BFP | BACKFLOW PREVENTER | POC | POINT OF CONNECTION |
| BOT | BOTTOM | PVC | POLYVINYL CHLORIDE |
| BW | BACK OF WALK | R | RADIUS |
| CC | CONCRETE | RCP | REINFORCED CONCRETE PIPE |
| DIA | DIAMETER | RIM | ELEVATION |
| DW | DOMESTIC WATER | RPBPF | REDUCED PRESSURE BACKFLOW PREVENTER |
| EX | EXISTING | S | SLOPE |
| EXGND | EXISTING GROUND | SD | STORM DRAIN |
| EXTC | EXISTING TOP OF CURB | SDAD | STORM DRAIN AREA DRAIN |
| FC | FACE OF CURB | SDCB | STORM DRAIN CATCH BASIN |
| FH | FIRE HYDRANT | SDMH | STORM DRAIN MANHOLE |
| FL | FLOWLINE | SQ | SQUARE |
| QB | GRADE BREAK | SS | SANITARY SEWER |
| GND | GROUND | SSCO | SANITARY SEWER CLEANOUT |
| GR | GRATE | SSMH | SANITARY SEWER MANHOLE |
| HP | HIGH POINT | TC | TOP OF CURB |
| INV | INVERT | TPY | TYPICAL |
| IRR | IRRIGATION | VCP | VITRIFIED CLAY PIPE |
| LF | LINEAR FEET | W | WEST |
| N | NORTH | WM | WATER METER |
| NPW/ | NON-POTABLE WATER | WV | WATER VALVE |
| OC | ON CENTER | | |

LEGEND:

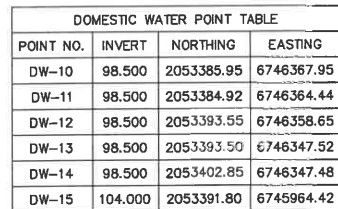
| <u>EXISTING</u> | <u>PROPOSED</u> | |
|-----------------|-----------------|--|
| | | ELECTRICAL LINE |
| | | SEWER LINE |
| | | DOMESTIC WATER LINE |
| | | STORM DRAIN LINE |
| | | IRRIGATION LINE |
| | | CLEANOUT |
| | | STORM DRAIN PLAY AREA DRAIN |
| | | STORM DRAIN AREA DRAIN |
| | | DOMESTIC WATER/IRRIGATION BACKFLOW PREVENTER |
| | | WATER METER |
| | | EXISTING MANHOLE |
| | | EXISTING STORM DRAIN INLET |
| | | EXISTING WATER METER |
| | | EXISTING WATER VALVE |
| | | EXISTING FIRE HYDRANT |

UTILITY PLAN

PREVENTER

Date: 2/27/01/21
Project Number: 18-1629
Scale: AS SHOWN

C5.0



1. SEE CITY OF ROSEVILLE PARK STANDARD DETAIL PK-6 AND PK-5 FOR UTILITY TRENCH AND BACKFILL.
2. REFER TO CITY OF ROSEVILLE PUBLIC WORKS DESIGN AND CONSTRUCTION STANDARDS FOR ACCEPTED BACKFLOW PREVENTION DEVICES.
3. WHERE DOMESTIC WATER PIPE PASSES UNDER PROPOSED CONCRETE, SLEEVE THE PVC PIPE IN 2-1/2 INCH DUCTILE IRON PIPE.

| | | | |
|-------|----------------------|-------|--|
| BFP | BACKFLOW PREVENTER | POC | POINT OF CONNECTION |
| BOT | BOTTOM | PVC | POLYVINYL CHLORIDE |
| BW | BACK OF WALK | R | RADIUS |
| CC | CONCRETE | RCP | REINFORCED CONCRETE PIPE |
| DIA | DIAMETER | RFM | ELEVATION |
| DW | DOMESTIC WATER | RFBFP | REDUCED PRESSURE BACKFLOW PREVENTER |
| E | EAST | | |
| EX | EXISTING | S | SLOPE |
| EXGND | EXISTING GROUND | SD | STORM DRAIN |
| EXTC | EXISTING TOP OF CURB | SDAD | STORM DRAIN AREA DRAIN |
| FCB | FACE OF CURB | SDC | STORM DRAIN CATCH BASIN |
| FH | FIRE HYDRANT | SDMH | STORM DRAIN MANHOLE |
| FL | FLOORING | SO | SQUARE |
| GB | GRADE BREAK | SS | SANITARY SEWER |
| GND | GROUND | SSCO | SANITARY SEWER CLEANOUT |
| GR | GRATE | SSMH | SANITARY SEWER MANHOLE |
| HP | HIGH POINT | TC | TOP OF CURB |
| INV | INVERT | TYC | TYPICAL |
| IRR | IRRIGATION | VM | VITRIFIED CLAY PIPE |
| LF | LINEAR FEET | W | WEST |
| N | NORTH | WM | WATER METER |
| NPW | NON-POTABLE WATER | WV | WATER VALVE |
| OC | ON CENTER | | |

Date: 20/01/21
Project Number: 18-1629
Scale: AS SHOWN

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Park Site F-52**

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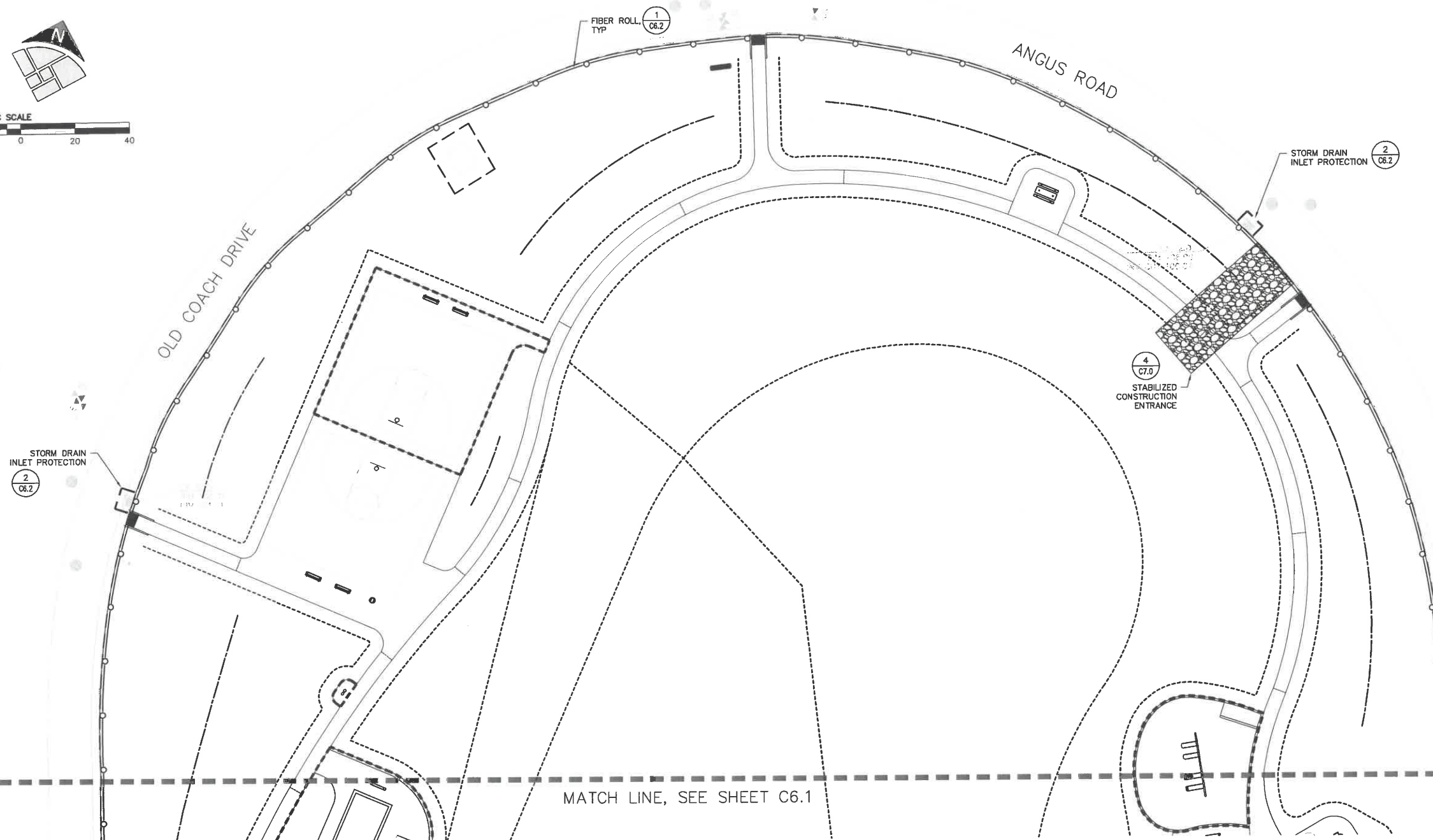
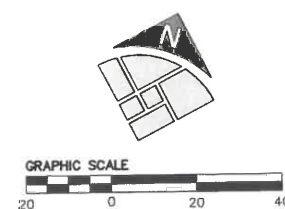
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EROSION AND
SEDIMENT CONTROL
PLAN

Date: 2/27/21
Project Number: 18-1629
Scale: AS SHOWN

C6.0



LEGEND



STORM DRAIN INLET PROTECTION,
SEE DETAIL 2, SHEET C4.2

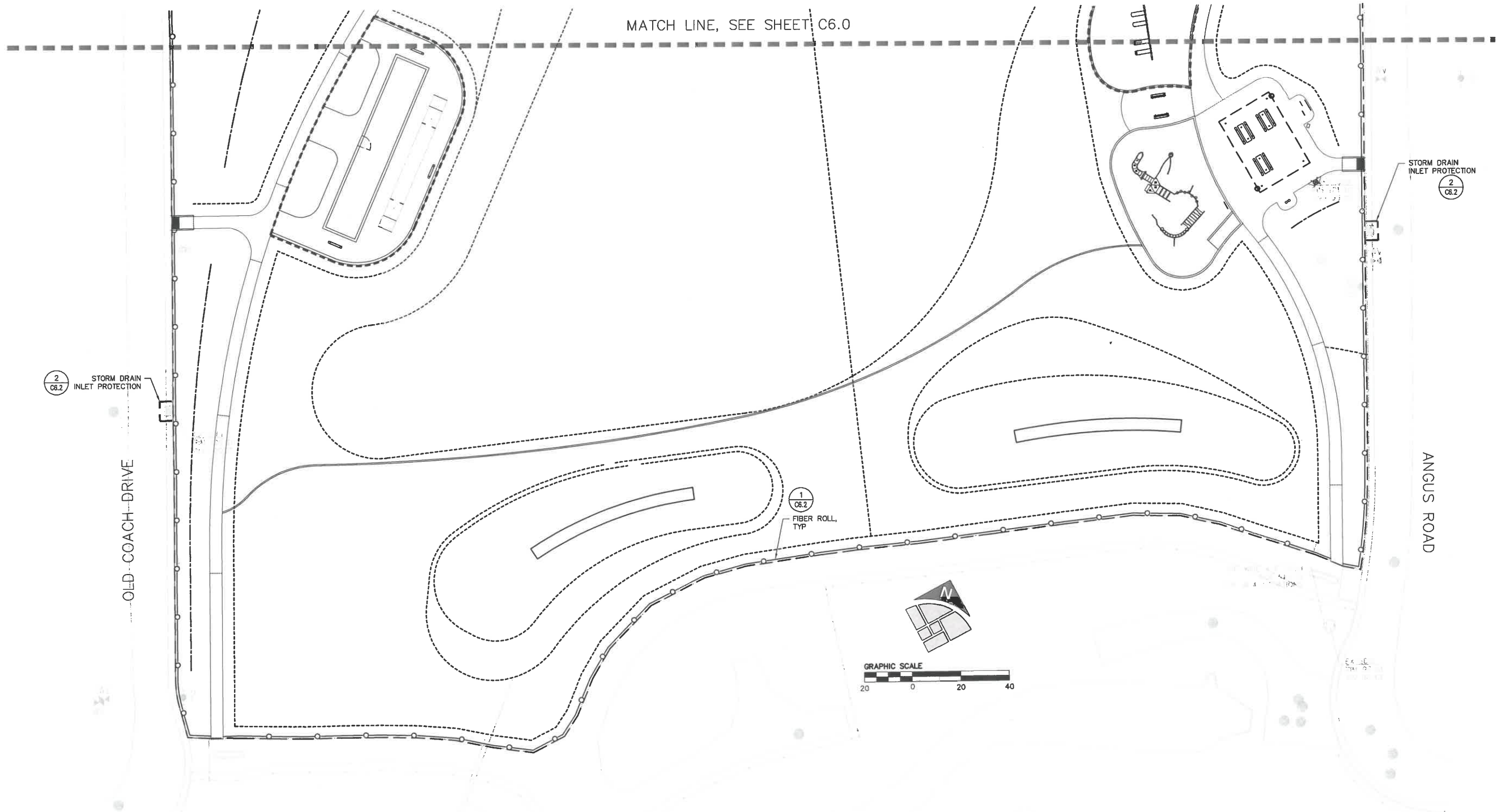


FIBER ROLL,
SEE DETAIL 1, SHEET C4.2

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL IMPLEMENT CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPs) FOR EROSION AND SEDIMENT CONTROL AND GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THE PROJECT. CONSTRUCTION MATERIALS, EQUIPMENT, AND VEHICLES SHALL BE PROPERLY MAINTAINED AND MANAGED IN ACCORDANCE WITH THE BMPs AND ALL OTHER APPLICABLE REQUIREMENTS.
2. TEMPORARY EROSION CONTROL FACILITIES AND MEASURES ARE TO BE INSTALLED AND OPERABLE PRIOR TO EXPOSING SUBGRADE (OR AGGREGATE BASE LAYER) AND SHALL BE MAINTAINED UNTIL INSTALLATION OF THE PERMANENT PROJECT PAVING AND LANDSCAPING.
3. ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED WITH SEDIMENT CONTROL AND INLET FILTER BAGS, THROUGHOUT THE DURATION OF THE PROJECT.
4. AS PART OF THE GRADING OPERATIONS, THE CONTRACTOR SHALL ENSURE THAT THE SITE IS WATERED PRIOR TO THE COMMENCEMENT OF GRADING, AND THAT A WATER VEHICLE AND STREET SWEEPER FOR DUST CONTROL AND PAVEMENT CLEANING ARE KEPT READILY AVAILABLE AT ALL TIMES DURING CONSTRUCTION.
5. ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF ENTERING THE STORM DRAIN SYSTEM.
6. ALL CONCRETE SLURRY SHALL BE CONTAINED IN CONCRETE WASH-OUT AREAS DESIGNATED ON-SITE.
7. STOCKPILED EARTHEN MATERIAL SHALL BE COVERED WITH A TARP, AND HELD DOWN WITH FIBER ROLLS AND SAND BAGS, TO ELIMINATE DUST. KEEP STOCKPILES AWAY FROM WATER BODIES AND STORM DRAINS.
8. HAZARDOUS MATERIALS MUST BE KEPT IN CLOSED CONTAINERS THAT ARE COVERED AND WITHIN SECONDARY CONTAINMENT. DO NOT PLACE CONTAINERS DIRECTLY ON SOIL.
9. LOCATE PORTABLE TOILETS AWAY FROM STORM DRAINS. TIE OR STAKE PORTABLE TOILETS TO PREVENT TIPPING, AND EQUIP UNITS WITH OVERFLOW PAN/TRAY.
10. PREVENT EQUIPMENT FLUID LEAKS INTO GROUND BY PLACING DRIP PANS OR PLASTIC TARPS UNDER EQUIPMENT. IMMEDIATELY CLEANUP ANY SPILLS OR DRIPS.
11. DESIGNATE WASTE COLLECTION AREAS ON SITE. USE WATERTIGHT DUMPSTERS AND TRASH CANS. PERIODICALLY INSPECT FOR LEAKS. COVER THESE ITEMS AT THE END OF EACH WORK DAY AND WHEN IT IS RAINING OR WINDY. ARRANGE FOR REGULAR WASTE COLLECTION. PICK UP SITE LITTER DAILY.
12. ACCESS TO AND FROM THE SITE FOR CONSTRUCTION SHALL BE LIMITED TO THE LOCATION SHOWN ON THESE PLANS. CONTRACTOR SHALL MAINTAIN A CLEAN SURFACE AT THE CONSTRUCTION ENTRANCE AND SHALL PROVIDE AND MAINTAIN FACILITIES TO PREVENT SOIL, MUD, AGGREGATE BASE, HOT MIX ASPHALT, CONCRETE SPLASH AND OTHER CONSTRUCTION DEBRIS FROM BEING DEPOSITED ONTO THE ROADWAY SURFACE. STREET OR DRY SWEEPING WILL BE IMMEDIATELY PERFORMED BY THE CONTRACTOR IF SITE SOILS OR CONSTRUCTION DEBRIS IS OBSERVED AT ANY TIME WITHIN 500 FT OF THE SITE ENTRANCE.
13. ALL STORMWATER CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED AS REQUIRED AT THE CONCLUSION OF EACH WORKING DAY DURING THE RAINY SEASON. THE CONTRACTOR SHALL INSPECT THE STORMWATER CONTROL FACILITIES AND MAKE NECESSARY REPAIRS THERE TO PRIOR TO ANTICIPATED STORMS, AND SHALL PERIODICALLY INSPECT THE SITE AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION. REPAIRS TO DAMAGED FACILITIES SHALL BE MADE IMMEDIATELY UPON DISCOVERY. CONTRACTOR SHALL REMOVE ANY ACCUMULATION OF SILT OR DEBRIS FROM THE SEDIMENT TRAPS BEFORE AND AFTER EACH STORM.
14. THE SWPPP SHALL BE IMPLEMENTED AND MONITORED BY THE CONTRACTOR AND SHALL BE A "LIVING DOCUMENT" REFLECTING THE STATUS OF CONSTRUCTION WORK AS IT PROGRESSES.

For Council Approval
Do Not Use for Bidding



LEGEND



STORM DRAIN INLET PROTECTION,
SEE DETAIL 2, SHEET C4.2



FIBER ROLL,
SEE DETAIL 1, SHEET C4.2

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R.G. Phillips Park
Park Site F-52
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA

Stamp



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Issuances & Revisions

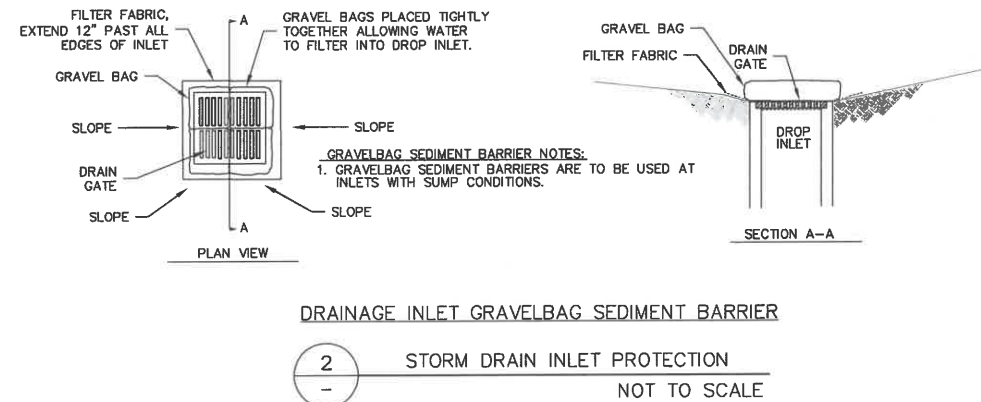
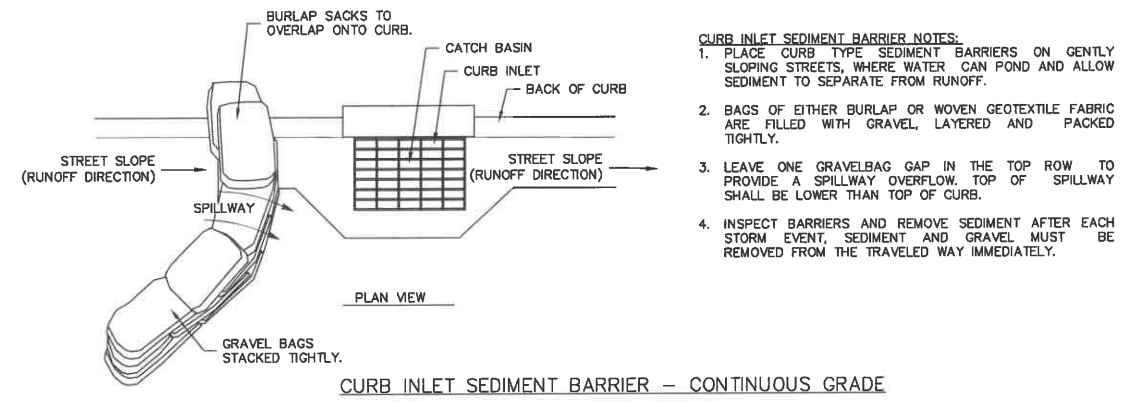
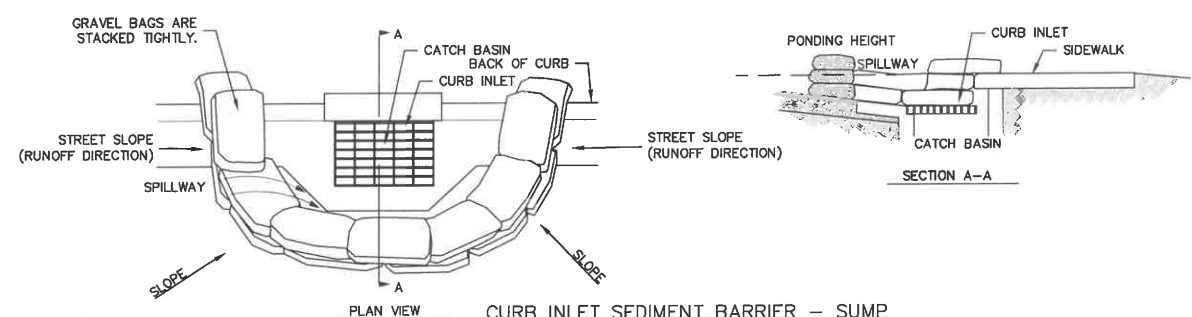
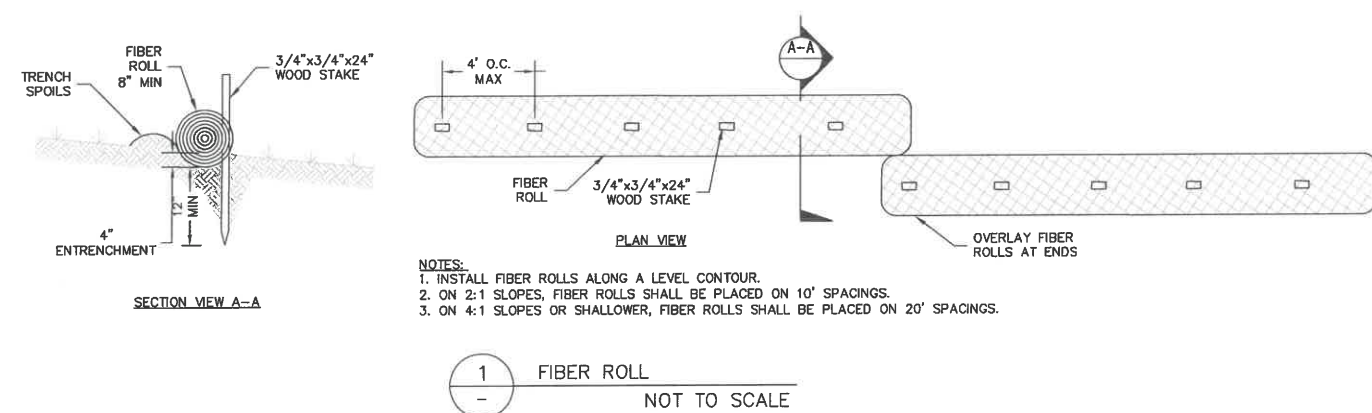
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EROSION AND
SEDIMENT CONTROL
PLAN

Date: 20/01/21
Project Number: 18-1629
Scale: AS SHOWN

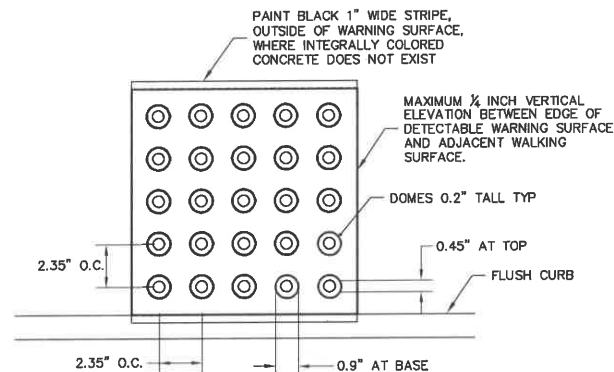
C6.1



2 STORM DRAIN INLET PROTECTION NOT TO SCALE

**R.G. Phillips Park
Park Site F-52**
Construction Documents 100%

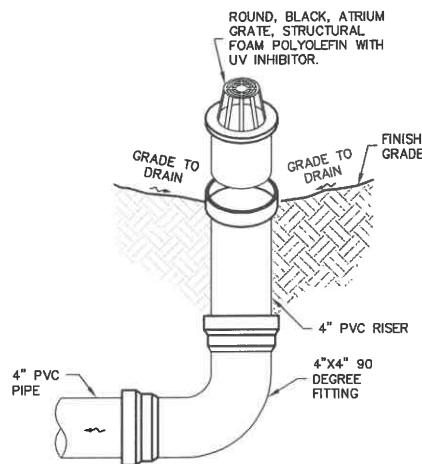
1200 Old Coach Drive, Roseville, CA



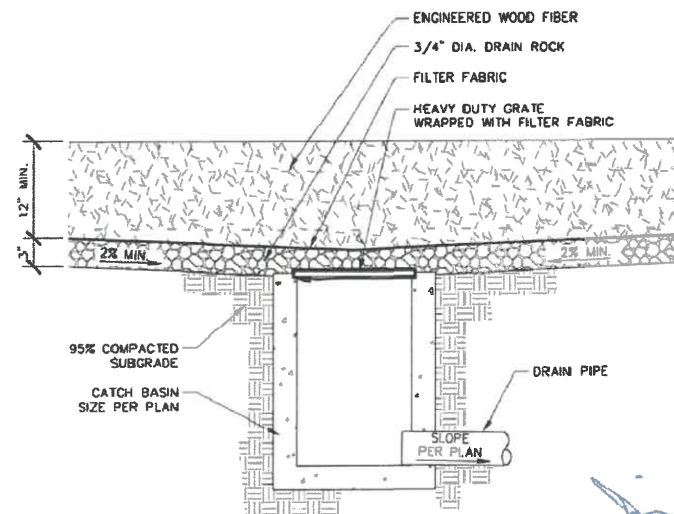
NOTES:

1. DETECTABLE WARNING SURFACE SHALL BE CAST-IN PLACE OR SURFACE APPLIED, AS NOTED ON PLAN, WITHIN CONCRETE ARMOR-TILE OR APPROVED EQUAL.
2. COLOR OF DETECTABLE WARNING SURFACE SHALL BE YELLOW CONFORMING TO FS33538 OF FEDERAL STD. 595C.
3. DETECTABLE WARNING SURFACE SHALL BE SLIP-RESISTANT.
4. DETECTABLE WARNING SURFACE SHALL DIFFER FROM ADJOINING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.

1 CAST-IN-PLACE DETECTABLE WARNING SURFACE
NOT TO SCALE



2 LANDSCAPING AREA DRAIN
NOT TO SCALE



DION LOUTHAN, CPRP
PARKS, RECREATION & LIBRARIES DIRECTOR

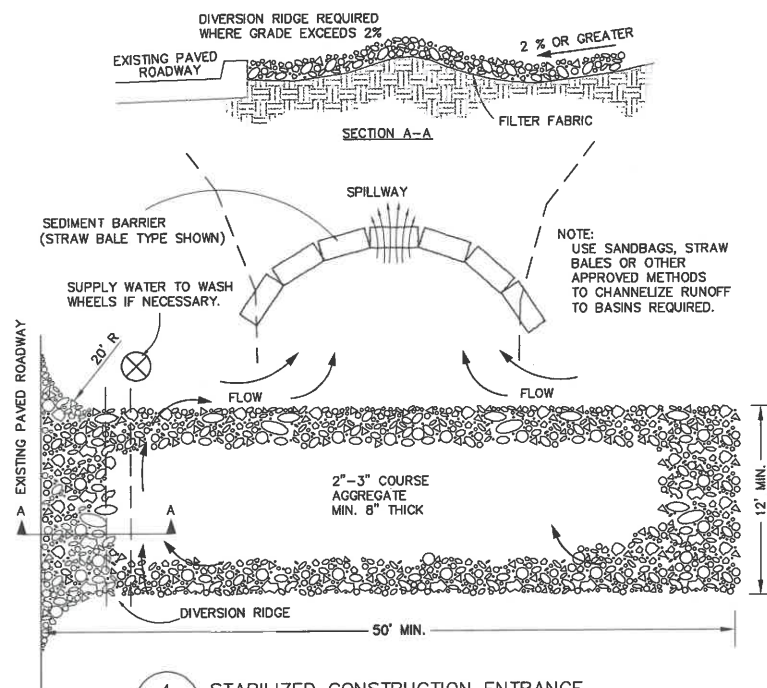
CITY OF
ROSEVILLE
CALIFORNIA
PARKS, RECREATION, & LIBRARIES
DEPARTMENT

**PLAY AREA
DRAIN**

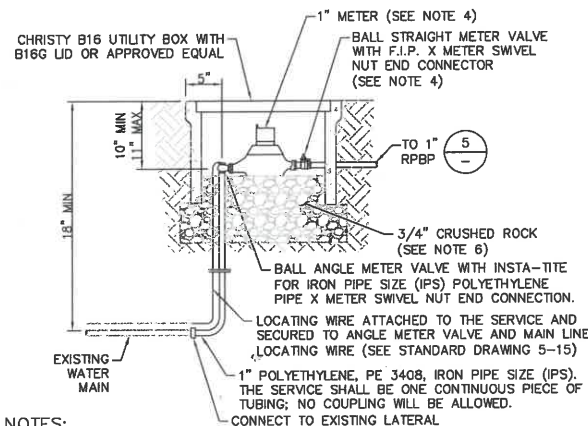
SCALE: NONE
REVISED: JULY 2017
REVIEWED BY: T. CEE
APPROVED BY: D. LOUTHAN

PK-37

3 PLAY AREA STORM DRAIN
NOT TO SCALE



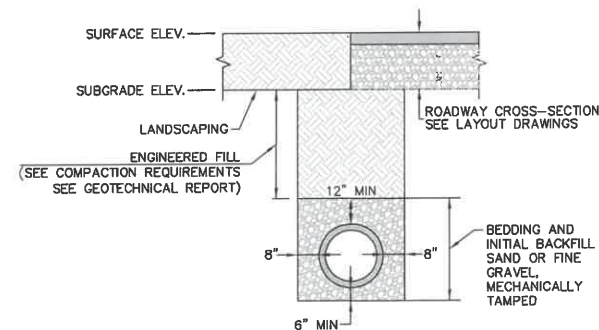
4 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:

1. ALL VALVES AND FITTINGS SHALL BE MUELLER UNLESS OTHERWISE SPECIFIED.
2. THE SERVICE LINE SHALL BE ENCASED IN SAND TO A DEPTH OF 3" BELOW AND 6" ABOVE THE PIPE. THE SAND SHALL HAVE A MINIMUM SAND EQUIVALENCY OF 30.
3. CONTRACTOR TO FURNISH AND INSTALL METER BOX. CITY TO FURNISH AND INSTALL METER AND BALL STRAIGHT METER VALVE.
4. SEE CONSTRUCTION PLANS FOR METER LOCATION.
5. CRUSHED ROCK SHALL BE INSTALLED TO A DEPTH OF 4" BELOW THE BOX AND WITHIN THE BOX TO A DEPTH TO SUPPORT THE WATER METER. THE LENGTH OF THE SERVICE PIPING WITHIN THE LIMITS OF THE CRUSHED ROCK SHALL BE WRAPPED WITH 10 MIL VINYL TAPE.

5 STANDARD WATER SERVICE
NOT TO SCALE



NOTES:

1. IMPORTED OR ONSITE SELECT FILL MATERIAL SHALL HAVE THE FOLLOWING PROPERTIES:
 - BE FREE OF ORGANIC OR HAZARDOUS MATERIAL
 - CONTAIN NO ROCKS GREATER THAN 3 INCHES IN ITS LARGEST DIMENSION
 - LIQUID LIMIT LESS THAN 40
 - PLASTICITY INDEX LESS THAN 12
 - CONTAIN AT LEAST 20% FINES (PASSING THRU THE NO. 200 SIEVE)
 - APPROVED BY THE GEOTECHNICAL ENGINEER
2. WHERE PIPE BEDDING AND COVER MATERIAL WILL BE BELOW GROUNDWATER, CRUSHED ROCK WRAPPED IN FILTER FABRIC OR CALTRANS CLASS 2 PERMEABLE MATERIAL SHOULD BE USED. SEE GEOTECHNICAL RECOMMENDATIONS REGARDING UTILITY TRENCHES.
3. FOR DOMESTIC WATER, CONTRACTOR SHALL CONFORM TO CITY OF ROSEVILLE DETAIL W-1. FOR SANITARY SEWER, CONTRACTOR SHALL CONFORM TO CITY OF ROSEVILLE DETAIL SS-1.

6 UTILITY TRENCH
NOT TO SCALE

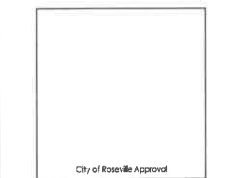
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Issuances & Revisions

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






















**CONSTRUCTION
DETAILS**

Date: 20/01/21
Project Number: 18-1629
Scale: AS SHOWN

For Council Approval
Do Not Use for Bidding


C7.0

LAYOUT LEGEND

| SYMBOL | DESCRIPTION | DETAIL |
|---|--|---------------------------|
|  | L-101 Park Identification Sign Model: Per City Standard Detail PK-28 Mfr: Quick Crete Products, Norco, CA; Outdoor Creations Inc., Anderson, CA; or accepted equal. | PK-28/LS2.0 |
|  | L-102 Park Namesake Bio Sign. Information provided by City Mfr: By KVO Industries, Inc. | |
|  | L-103 Lighting Standard Per Electrical, See Sheet E0.1. Layout per City Standard Detail PK-29 | PK-29/LS2.0 |
|  | L-104 Bench with Back Model: SG303P, 6-foot, perforated pattern, PVC coated Mfr: Wabash Valley, or accepted equal Color: As selected by the City; Install: In-ground | PK-24/LS2.0 |
|  | L-105 Bench without Back Model: SG307P, 6-foot, perforated pattern, PVC coated Mfr: Wabash Valley, or accepted equal Color: As selected by the City; Install: In-ground | PK-24/LS2.0 |
|  | L-106 Picnic Table Model: SG206P, 8-foot, perforated pattern, PVC coated, no umbrella holes Mfr: Wabash Valley, or accepted equal Color: As selected by the City; Install: In-ground | PK-24/LS2.0 |
|  | L-107 ADA Accessible Picnic Table Model: SG207P, 8-foot, perforated pattern, PVC coated, no umbrella holes Mfr: Wabash Valley, or accepted equal Color: As selected by the City; Install: In-ground | PK-24/LS2.0 |
|  | L-108 Drinking Fountain Model: 440SM, dual bowl with recessed hose bibb and lock door, powder coated. Do not include jug filler or Zum drain. Mfr: Most Dependable Fountains, or accepted equal Color: As selected by the City; Install: Surface mount, with stainless steel carrier | PK-23/LS2.0 |
|  | L-109 Drinking Fountain with Sump Model: 440SM, dual bowl with recessed hose bibb and lock door, powder coated Mfr: Most Dependable Fountains, or accepted equal Color: As selected by the City; Install: Surface mount, with stainless steel carrier | 5/LS2.2 |
|  | L-110 Trash Receptacle Model: Urbanscape - "FG Style" 32 Gallon Receptacle with Solid Dome Top Mfr: Wabash Valley, or accepted equal Color: As selected by the City; Install: Surface mount | |
|  | L-111 Bike Rack Model: Ring Bike Rack, 2-bike capacity, 27" tall, 25" wide, powder coated Mfr: Landscape Forms, or accepted equal Color: As selected by the City; Install: In-ground | 4/LS2.1 |
|  | L-112 Custom Steel Panel with Laser Cut Motorcycle Graphic | 3/LS2.1 |
|  | L-113 Basketball Goal Model: 1513-26-29-44-35 Post: 1513, 6-foot-offset, dual post, galvanized Backboard: #26, 1/4" heavy-duty steel, rectangular, powder coat white Backboard Target & Perimeter: #29 Rim: #44, heavy-duty double rim Net: #35, super chain net Mfr: Patterson Williams; Install: In-Ground | 5/LS2.1 |
|  | L-114 Basketball Court Line Paint Layout per City Standard Detail PK-55 Mfr: Per specifications | PK-55/LS2.1 |
|  | L-115 Bocce Court | 3/LS2.2 |
|  | L-116 Horseshoe Pit Layout per City Standard Detail PK-53 | PK-53/LS2.1 |
|  | L-117 Chain Link Fence at Horseshoe Pit See City Standard Details PK-53 and PK-40 | PK-53/LS2.1 & PK-40/LS2.1 |
|  | L-118 Custom Play Area Access Ramp | 1/LS2.1 |
|  | L-119 Play Area Curb | PK-36/LS2.0 |
|  | L-120 Concrete Mow Strip with VEE channels | 2/LS2.2 |
|  | L-121 Concrete Mow Strip at Sports Courts | PK-27/LS2.0 |
| SYMBOL | DESCRIPTION | DETAIL |
|  | Decomposed Granite Paving Per City Standard Detail PK-33 | PK-33/LS2.0 |
|  | Play Area Surfacing Engineered Wood Fiber, per City Standard. See specifications. | |
|  | Concrete Paving Per City Standard Detail PK-31 | PK-31/LS2.0 |

LAYOUT NOTES

- Contractors shall not scale drawings. Verify all dimensions and conditions in the field. Notify the Owner's representative of any discrepancies on drawings requiring clarification or revision before commencing with the work.
- Contractor shall protect all existing conditions that are to remain, and secure the property during construction.
- Verify all existing conditions and utilities in the field. Notify Owner's representative of any discrepancies that may occur.
- Contractor shall verify and locate all existing underground utilities and shall avoid damage to the same.
- All critical dimensions for existing conditions shall be verified in the field before fabrication or construction of new work.
- All work is new unless otherwise noted as "existing", "existing to remain", "(E)".
- Any discrepancy discovered by Contractor in these plans or any field conditions discovered by contractor that may delay or obstruct the proper completion of the work per these plans shall be brought to the attention of the Owner's representative immediately upon discovery. Said notification shall be in writing.
- Contractor shall independently review ground, topography, and tree conditions throughout the site, and assume wholly and unconditionally the risk of completing the work set out on these plans, regardless of rock, water table, or other conditions which contractor may encounter in the course of the work.
- Any excess materials shall be considered the property of the Contractor and shall be disposed of away from the job site in accordance with applicable local, state and federal regulations, at all times during construction and until final completion.
- Contractor to locate and install pipe sleeves under paving as needed in order to install irrigation piping according to irrigation plan.

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|  | Expansion Joint | PK-32/LS2.0 |
|  | Score Joint | PK-32/LS2.0 |
|  | Planting Area | |

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ISSUANCES & REVISIONS

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Layout
Notes & Legend

Date: 2/27/21/21
Project Number: 18-1629
Scale: AS SHOWN

LS1.0

R.G. Phillips Park
Park Site F-52
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA

Stamp



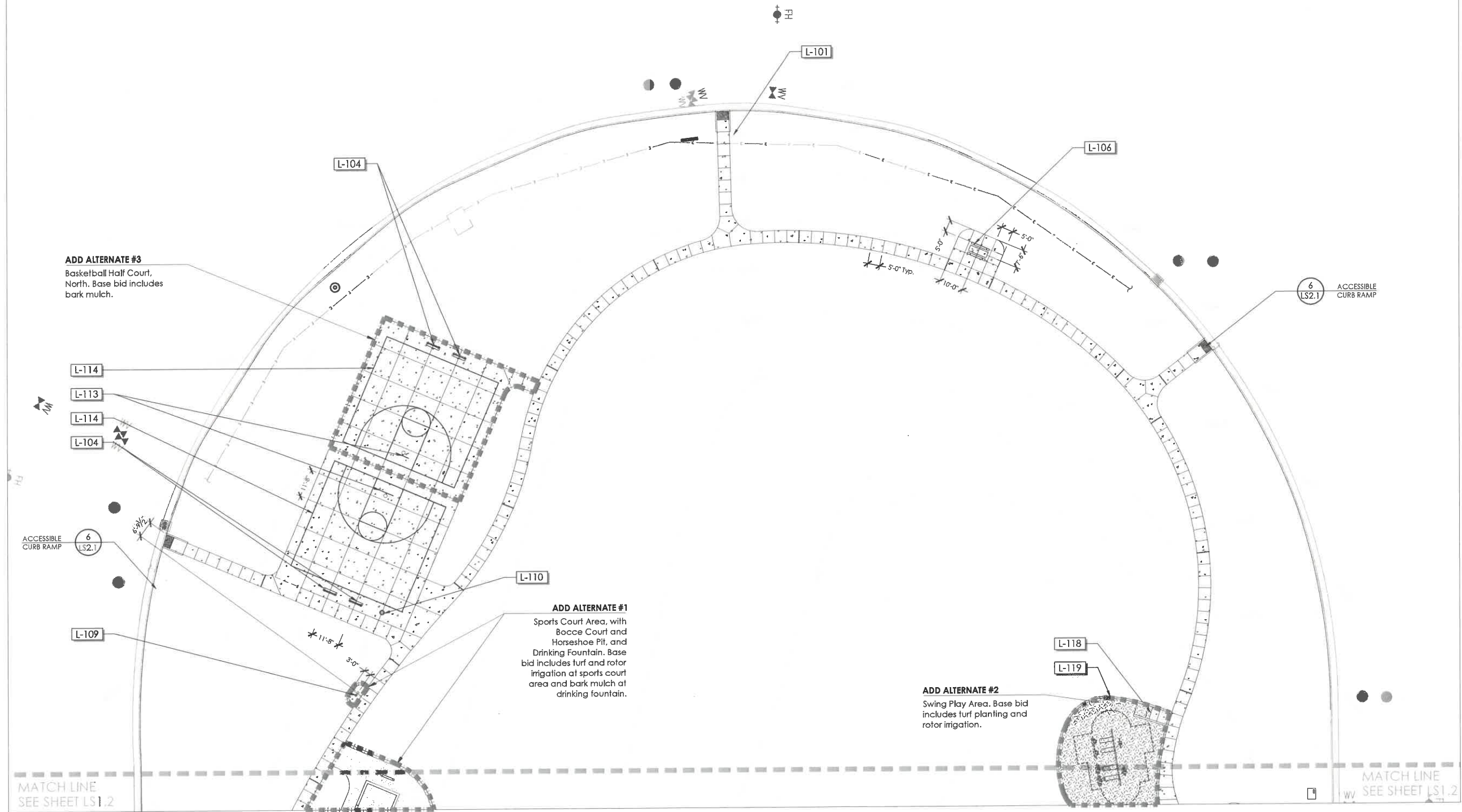
Issuances & Revisions

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Layout Plan - North

Date: 20/01/21
Project Number: 18-1629
Scale: AS SHOWN

LS1.1

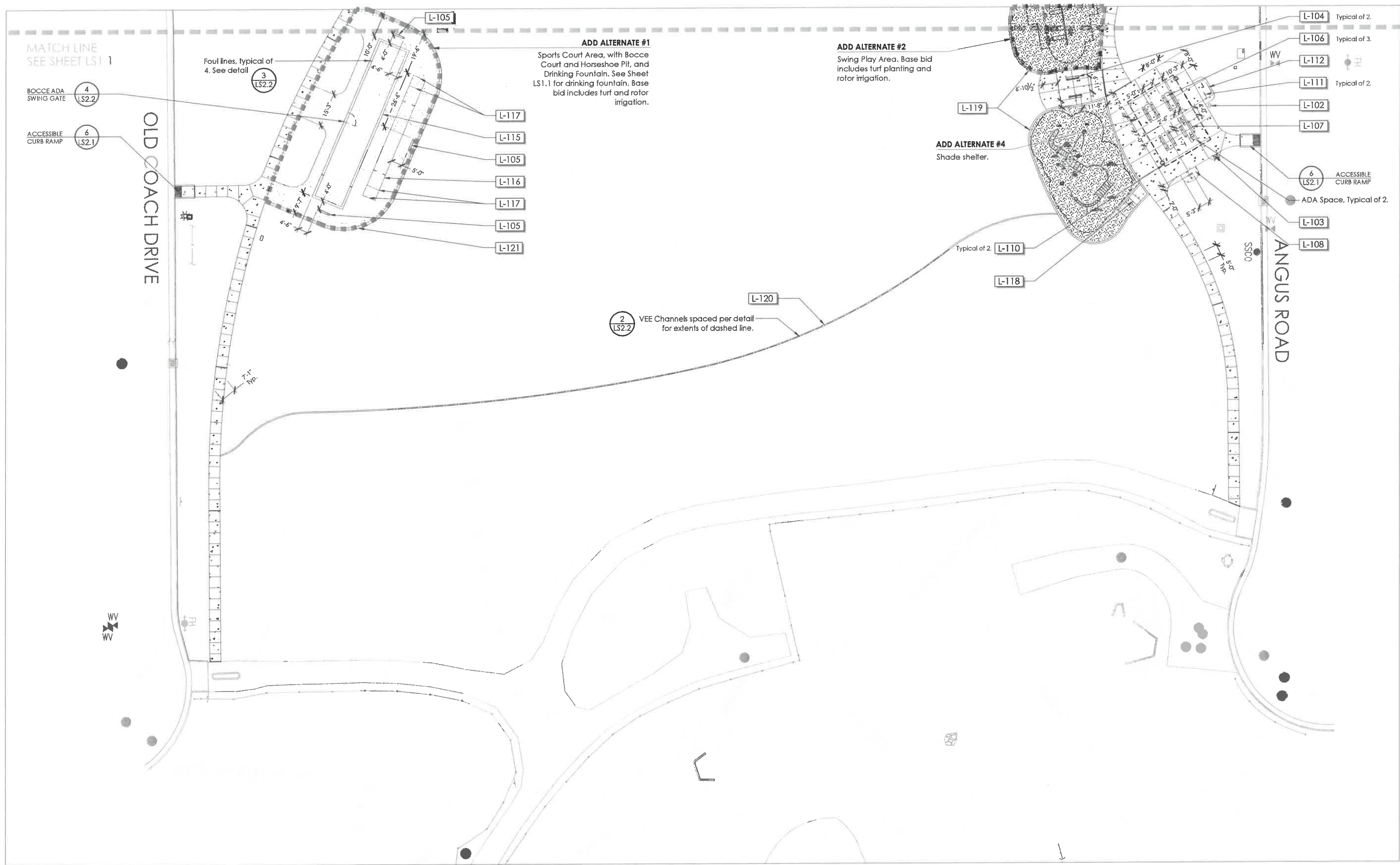


See sheet LS1.0 for
notes and legend.

0 20' 40'
Scale: 1" = 20'-0"



For Council Approval
Do Not Use for Bidding



See sheet LS1.0 for
notes and legend.

0 20' 40'
Scale: 1" = 20'-0"



QUADRIGA
landscape architecture and planning, inc.
SACRAMENTO | SANTA ROSA
916.441.2129 | www.quadriga.com

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& Libraries**

CWJ - 190070
EN - 18-0892
BD -

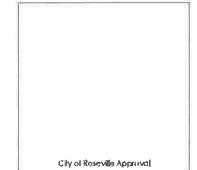
**R.G. Phillips Park
Park Site F-52**
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA

Stamp



Issuances & Revisions

| No. | Description | Date |
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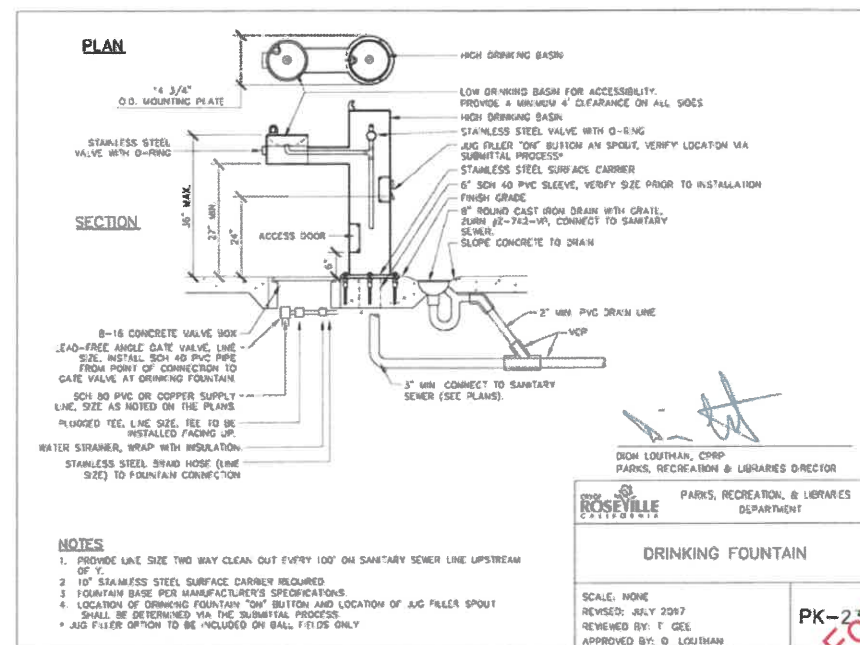
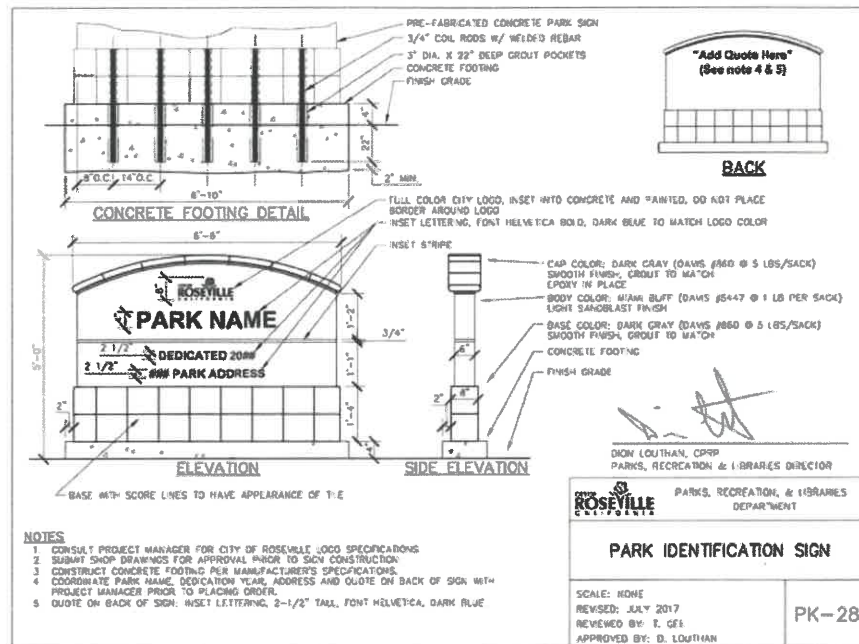
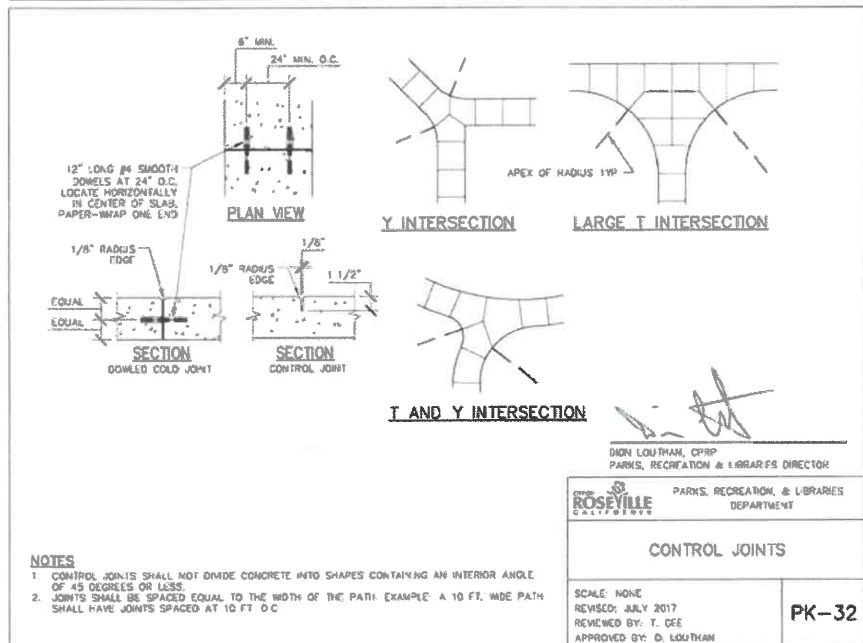
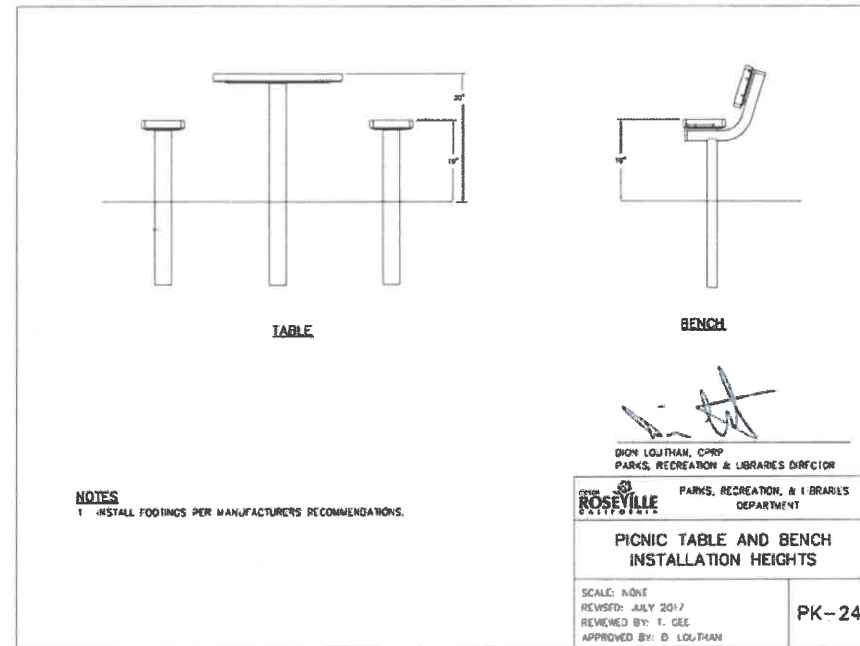
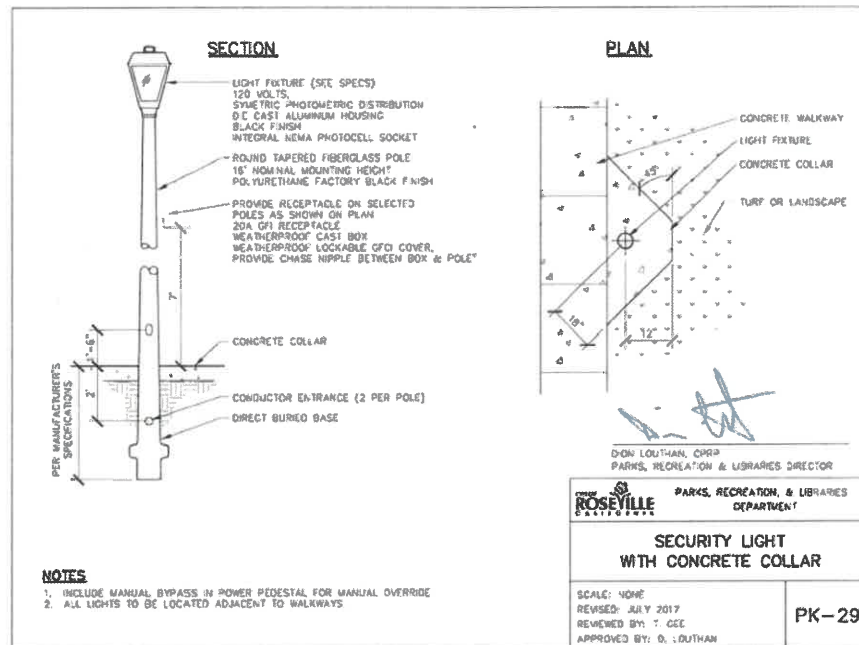
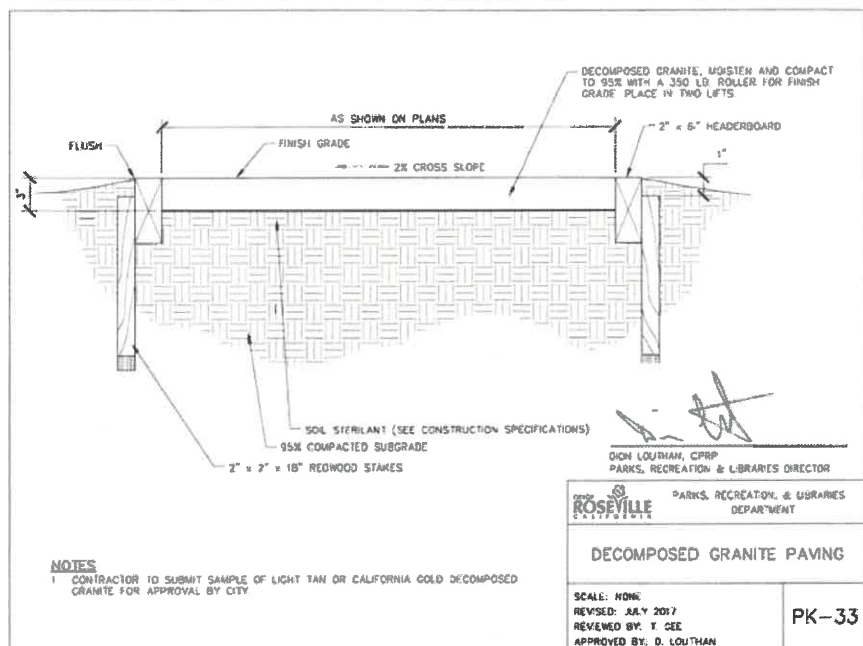
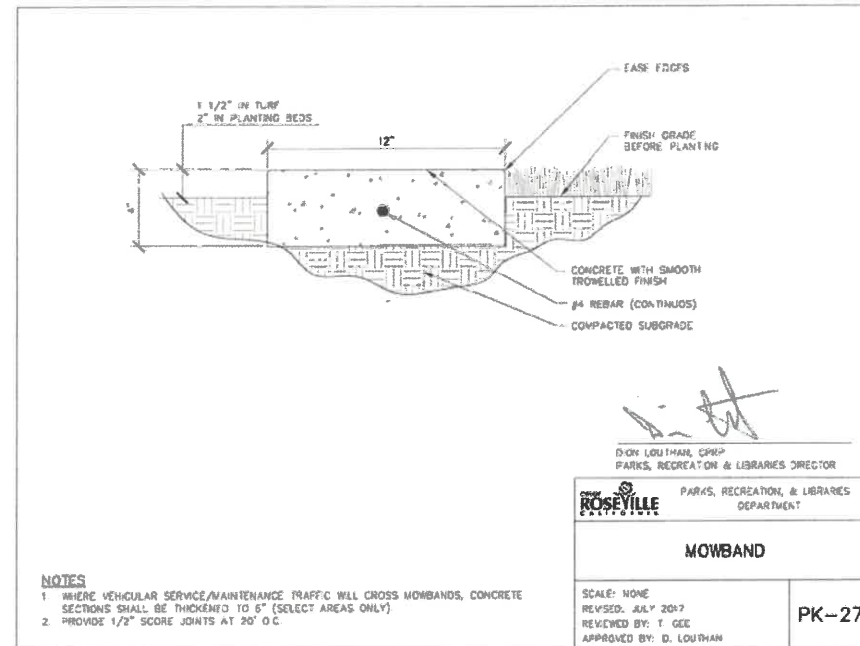
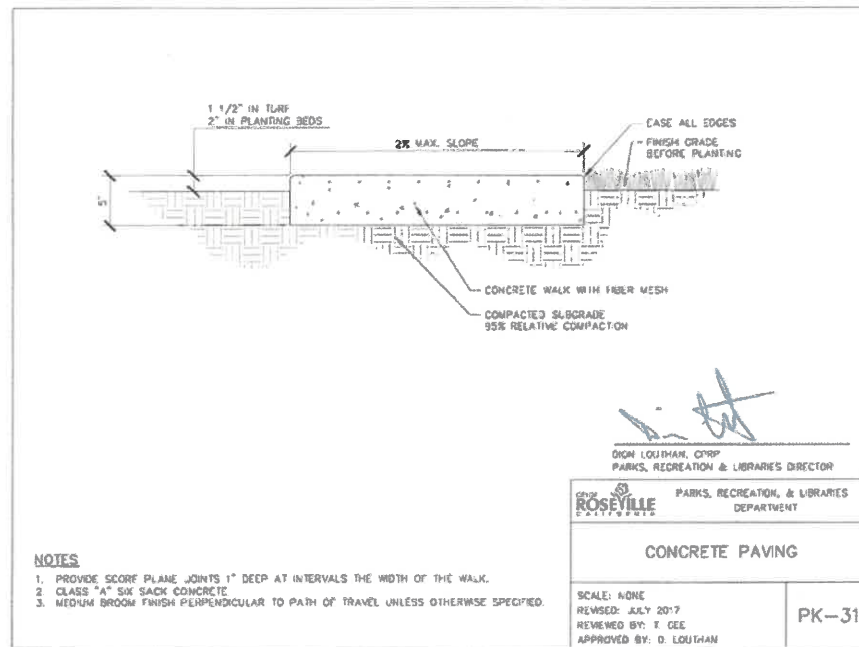
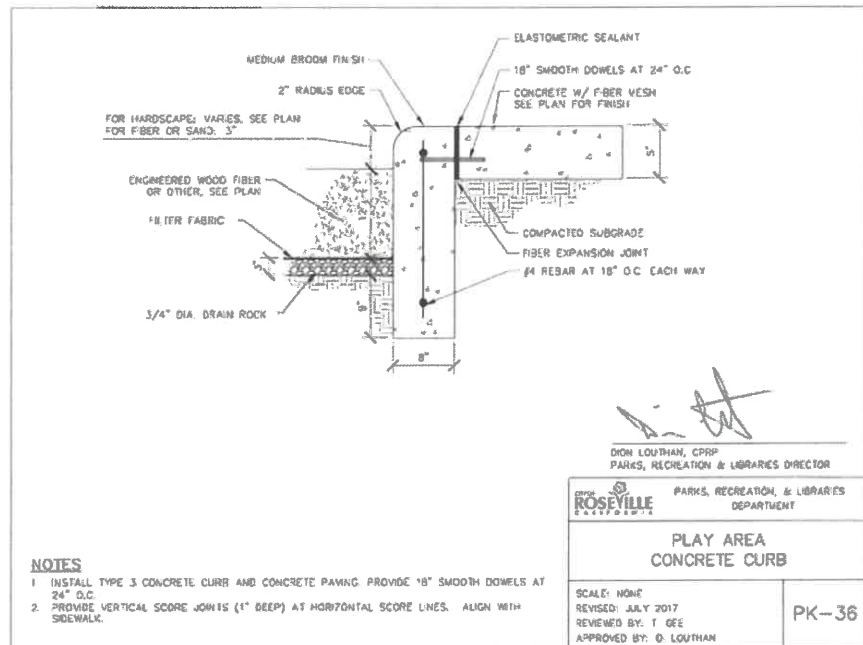


Layout Plan - South

Date: 20/01/21
Project Number: 18-1629
Scale: AS SHOWN

LS1.2

For Council Approval
Do Not Use for Bidding



Stamp



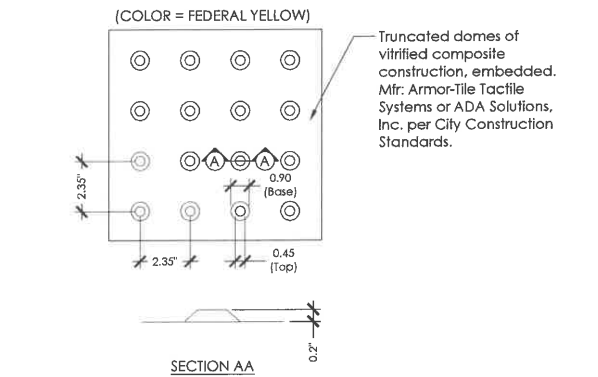
Issuances & Revisions

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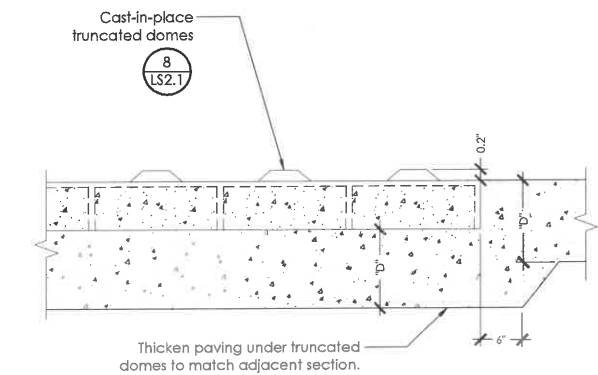
Construction Details

Date: 2/24/17
Project Number: 18-1629
Scale: AS SHOWN

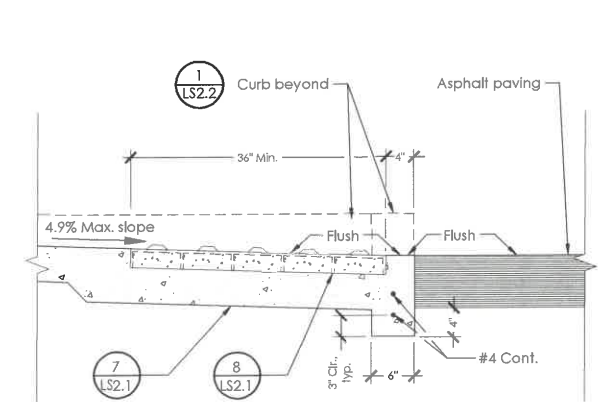
LS2.0



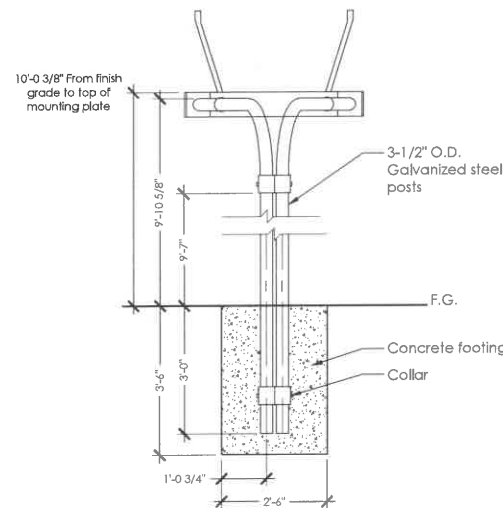
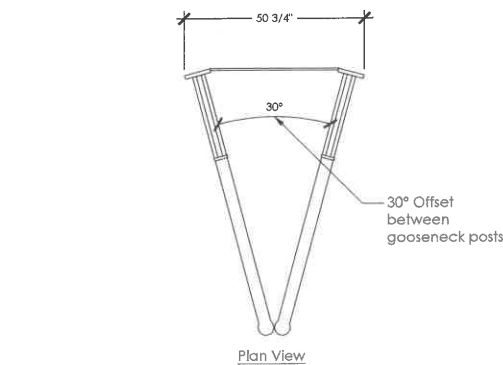
8 TRUNCATED DOMES
NOT TO SCALE P-PA-PF52-40



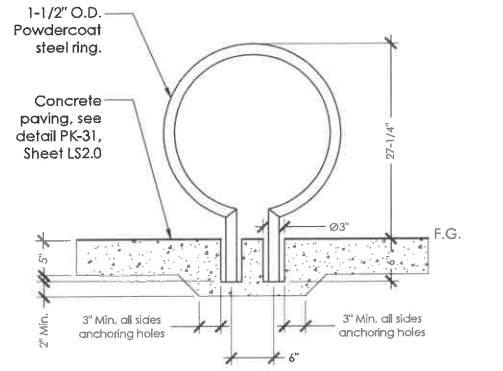
7 SLAB AT TRUNCATED DOMES
NOT TO SCALE P-PA-PF52-39



6 ACCESSIBLE CURB RAMP
NOT TO SCALE P-PA-PF52-38

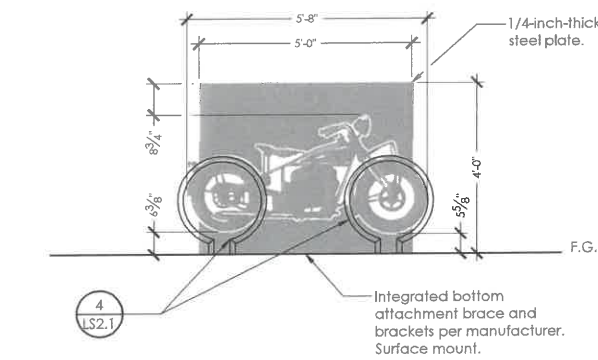


5 BASKETBALL GOAL
NOT TO SCALE P-PA-PF52-42



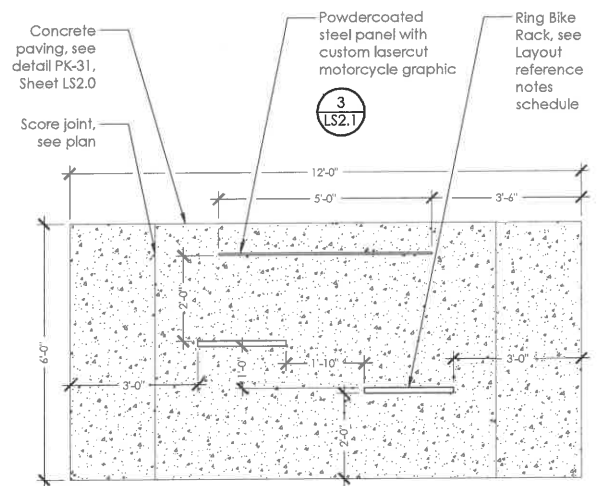
- Notes:
1. Support bike rack so it is plumb and level, 27-1/4\"/>
 2. Install per manufacturer's instructions.

4 BIKE RACK
NOT TO SCALE P-PA-PF52-46

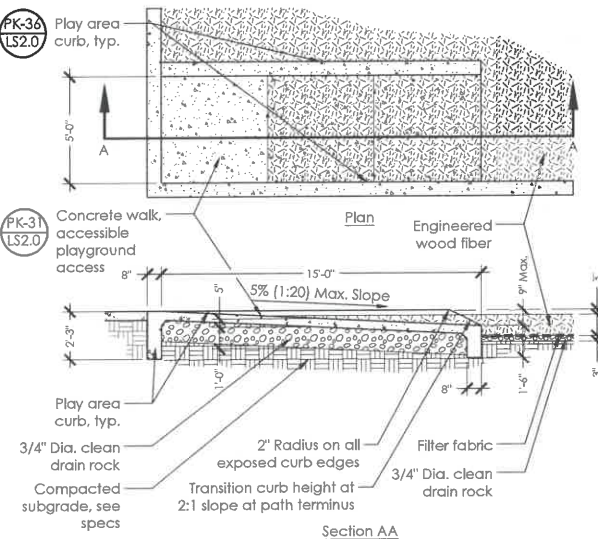


- Notes:
1. Contractor to work with Mfr. to convert motorcycle graphic from a CAD drawing format to a CNC cutting file.
 2. Contractor to work with Mfr. to prepare shop drawings for review by Landscape Architect.
 3. Custom panel shall be finished with factory-applied powder coat. Color: As selected by the City.

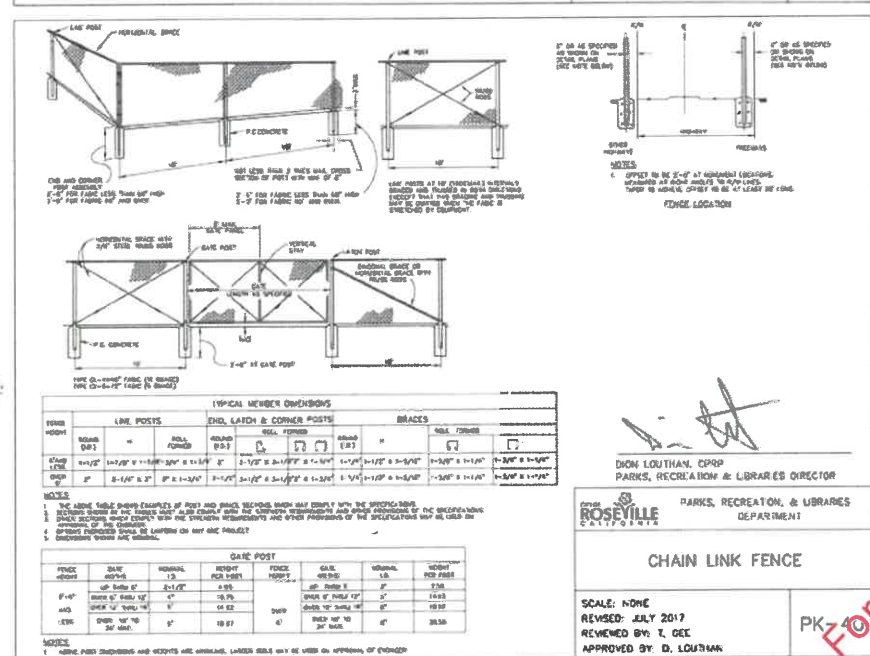
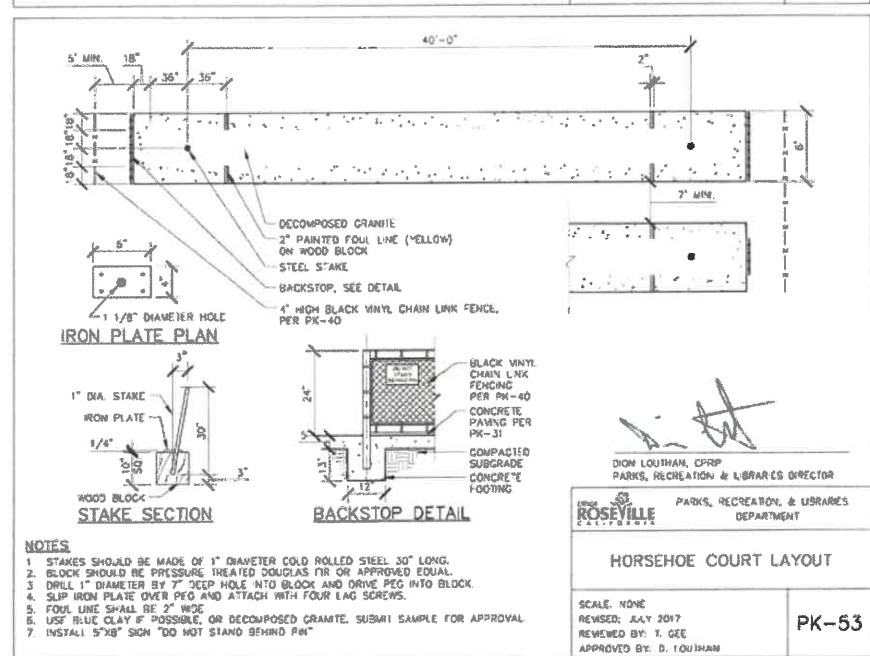
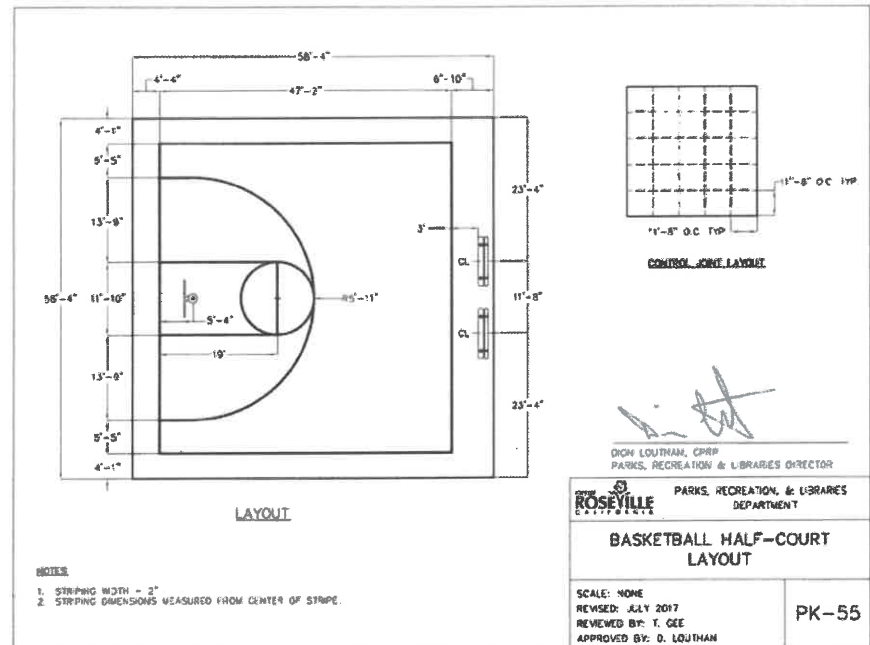
3 BIKE RACK AND CUSTOM PANEL ELEVATION
NOT TO SCALE P-PA-PF52-45

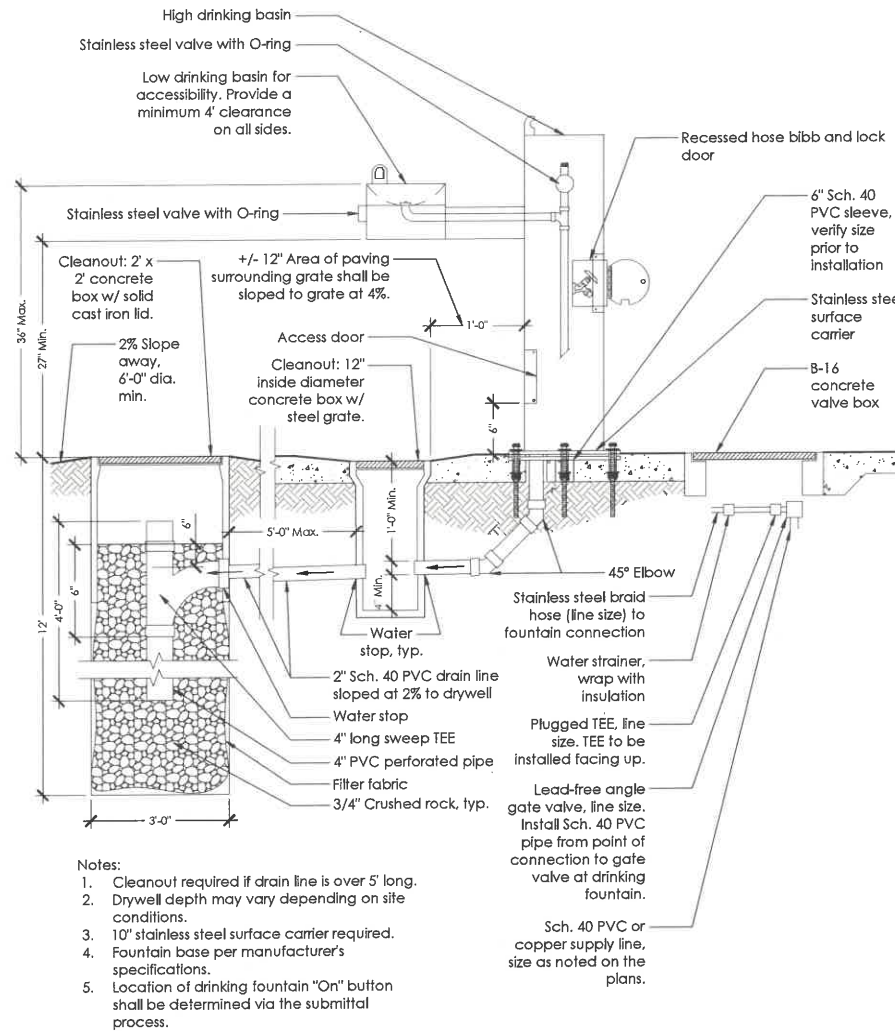


2 BIKE RACK AND CUSTOM PANEL LAYOUT
NOT TO SCALE P-PA-PF52-44

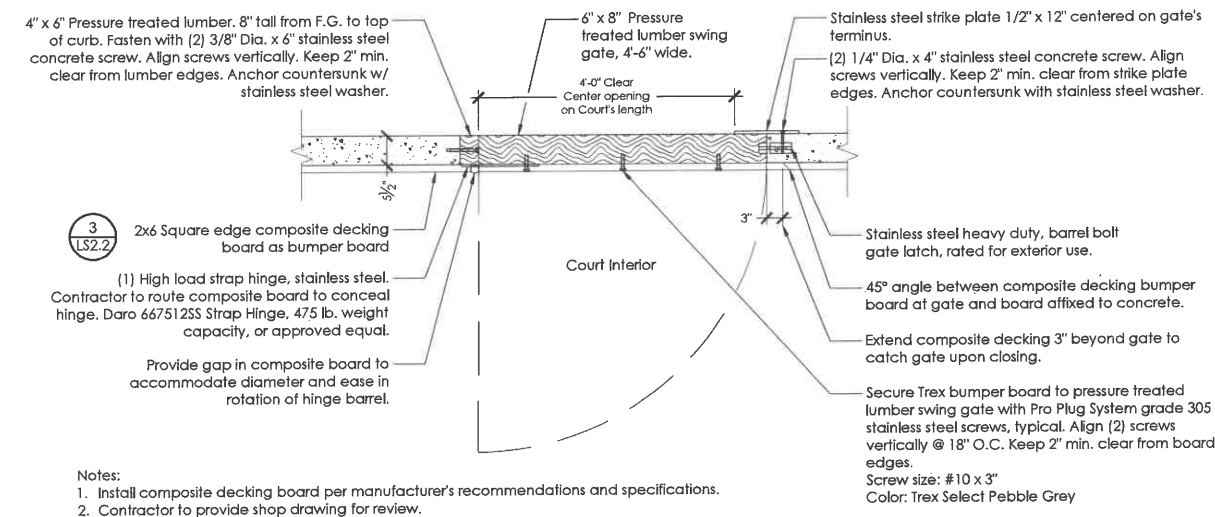


1 CONCRETE ACCESSIBLE PLAY AREA WALK
NOT TO SCALE P-PA-PF52-36

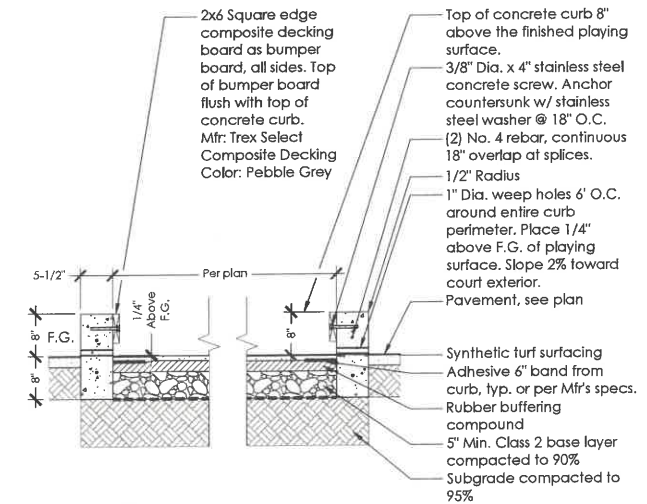




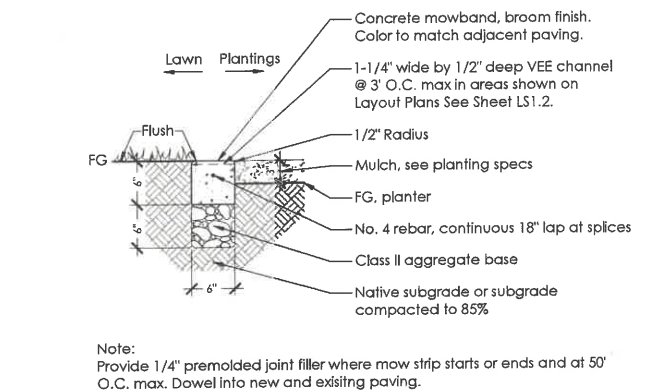
5 DRINKING FOUNTAIN WITH SUMP AND HOSE BIBB
NOT TO SCALE P-PA-PF52-37



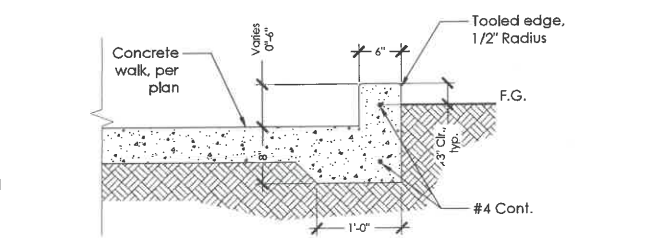
4 BOCCE ADA SWING GATE
NOT TO SCALE P-PA-PF52-48



3 BOCCE COURT
NOT TO SCALE P-PA-PF52-41



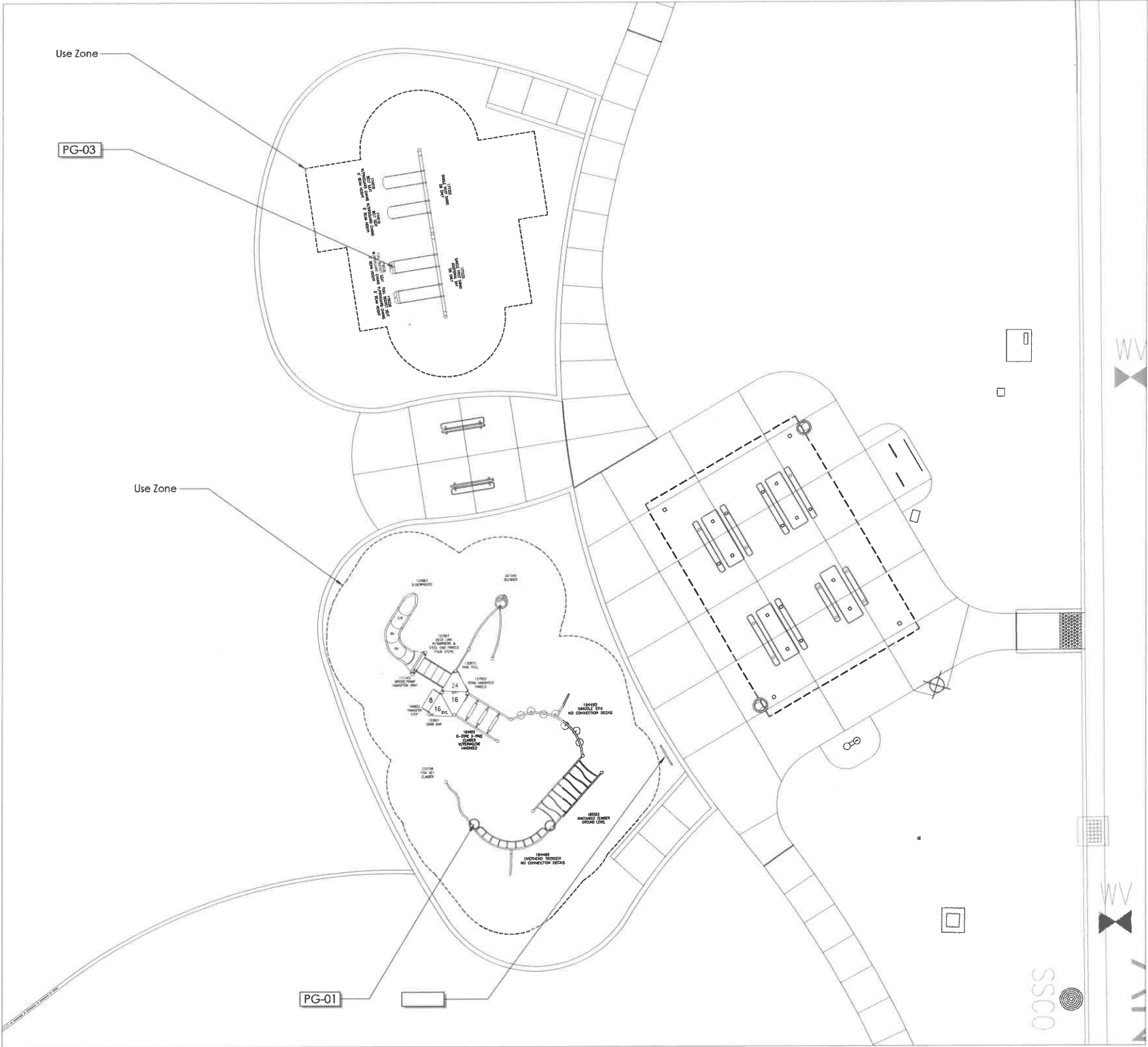
2 CONCRETE MOW STRIP
NOT TO SCALE P-PA-PF52-20



1 ACCESSIBLE CURB RAMP EDGE CURB
NOT TO SCALE P-PA-PF52-17

PLAYGROUND ENLARGEMENT CALLOUTS

| SYMBOL | DESCRIPTION |
|--------|---|
| PG-01 | Custom Playbooster & Evos 5-12 Playground Mfr: Landscape Structures Color: As selected by the City Install: Installation information per manufacturer Contact: Ross Recreation - Astrid Cynor (707) 538-3800 |
| PG-02 | Playground Rules Sign, per specs |
| PG-03 | Additive Alternate #2 Swing Set Mfr: Landscape Structures A) Single Post Swing Frame w/ Belt Seats for 8" Beam Height (2 total) B) Single Post Swing Frame Additional Bay w/ Full Bucket Seats for 8" Beam Height (2 total) Color: As selected by the City Install: Installation information per manufacturer Contact: Ross Recreation - Astrid Cynor (707) 538-3800 |



Note: City of Roseville standard 8'-0" use zone included in play equipment drawing (as shown).

QUADRIGA
landscape architecture and planning, inc.
SACRAMENTO | SANTA ROSA
916.441.2129 | www.quadrigainc.com



CWJ - 190070
EN - 18-0892
8D -

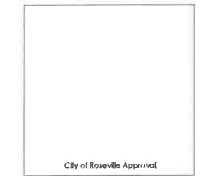
R.G. Phillips Park
Park Site F-52
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA

Stamp



Issuances & Revisions

| No. | Description | Date |
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Construction Details -
Playground Layout
Enlargement

Date: 2/7/21
Project Number: 18-1629
Scale: AS SHOWN

For Council Approval
Do Not Use for Bidding

LS2.3

CITY OF ROSEVILLE
RECYCLED WATER SPECIAL ON-SITE IRRIGATION NOTES

1.

The installation of the recycled water system shall conform to the regulations for the construction of recycled water systems within the City of Roseville and the accompanying plans and specifications.

2.

All on-site recycled and potable water piping installed on this project shall be identified in accordance with the City of Roseville Construction Standards for recycled water infrastructure and the irrigation specifications.

3.

City of Roseville Environmental Utilities Department shall be notified two days prior to the start of construction at (916) 774-5750 and each workday thereafter until completion of project for commercial irrigation systems. City of Roseville Parks Department shall be notified two days prior to the start of construction at (916) 746-1758 for landscape corridors and parks. A preconstruction materials inspection must be arranged prior to the start of construction.

4.

No facility is to be backfilled until inspected by the City of Roseville Environmental Utilities Department and/or Parks Department Inspector.

5.

All recycled water infrastructure, both on-site and off-site shall be inspected by City of Roseville Environmental Utilities and/or Parks Department. For inspection of recycled water system contact Environmental Utilities at 774-5750 forty-eight (48) hours in advance. Points of inspection are:

a.

Pre-construction materials inspection.

b.

Irrigation system installation before lines are covered.

c.

Pressure testing.

d.

System cross connection control test.

e.

System coverage test.

6.

All recycled water piping shall be purple colored PVC unless otherwise specified. Where purple PVC is not used, pipe shall be identified (marked) in accordance with the City of Roseville Construction Standards.

7.

Marking on the purple colored PVC pipe shall include the following: "CAUTION: RECYCLED WATER- DO NOT DRINK". Nominal pipe size. PVC—1 1/2". Pressure rating in pounds per square inch at 73 degrees. ASTM designations such as 1785, 2241, 1672, 3139. Printing shall be placed continuously on two sides of the pipe.

8.

All recycled water sprinkler control valves, valve risers, sprinkler risers, and swing joints shall be tagged with identification tags or adhesive labels.

a.

Tags shall be weatherproof plastic, 3" x 4", purple color with the words "WARNING: RECYCLED WATER- DO NOT DRINK" imprinted on one side, and "AVISA: AGUA IMPURA- NO TOMAR" on the other side. Imprinting shall be permanent and black in color. Use tags as manufactured by T. Christy Enterprises or approved equal.

b.

One tag shall be attached to each valve as follows:

1.

Attach to valve stem directly or with plastic tie-wrap, or

2.

Attach to solenoid wire directly or with plastic tie-wrap.

c.

Recycled water warning labels or stickers that are consistent with City of Roseville Construction Standards for recycled water infrastructure and the irrigation specifications must be attached to all piping not in compliance.

d.

All sprinkler heads must be designed for recycled water usage, with purple recycled water warning caps.

e.

Sprinkler risers and swing joints shall be identified with purple adhesive 3" X 3" labels. Each label shall state "Recycled Water – Do Not Drink" in English and Spanish.

9.

All recycled water control valve boxes shall be purple and have a warning label permanently molded into or affixed onto the lid with rivets, bolts, etc. Warning labels shall be constructed of a purple weatherproof material with the warning permanently stamped or molded into the label. The warning shall contain the following information:

a.

"NON-POTABLE" or "RECYCLED WATER".

b.

"DO NOT DRINK" in English and Spanish.

10.

Recycled water quick coupling valves shall have a purple rubber or vinyl cover. The cover shall be of a locking type and have a warning permanently stamped or molded as follows: "RECYCLED WATER- DO NOT DRINK" in English and Spanish.

11.

Plastic warning tape shall be used on all potable water piping, potable water warning tape shall be a minimum of 3 inches wide and shall run continuously for the entire length of each line. The tape shall be attached to the top of the pipe with nylon tie-wrap banded around the warning tape and the pipe every five feet on center. Warning tape for the potable water piping shall be blue in

12.

All pressure main line piping from the recycled water system shall be installed to maintain 10 feet minimum horizontal separation from all potable water piping. Where recycled and potable water pressure main line piping cross, the recycled water piping shall be installed 12" below the potable water piping OD to OD. Where the recycled water pressure main line must pass above potable water piping, the recycled water piping shall installed in a class 200 purple colored PVC sleeve which extends a minimum of five feet on either side of the potable water piping. A 12"vertical separation OD to OD must be maintained. Conventional (white) PVC pipe may be used for sleeving material if it is taped with three-inch wide purple warning tape, which read "RECYCLED WATER- DO NOT DRINK".

13.

All pressure main line piping from the recycled water system shall be installed to maintain a ten foot minimum horizontal separation from all sanitary sewer lines. Where recycled and sewer cross, the recycled water piping shall be installed a minimum of one foot above sewer.

14.

For on-site reclaimed water piping, the minimum depth from finish grade to top of pipe shall be as follows:

a.

Intermittent pressure lines (All sizes)..... 12"

b.

Constant pressure lines 2.5" and smaller..... 18"

c.

Constant pressure lines 3" and larger..... 24"

15.

Pressure and cross connection testing for On-Site Recycled water systems

a.

All testing of recycled water systems must be performed utilizing a potable water source via a construction water connection per City of Roseville Construction Standards. No recycled water may enter a recycled water system until all testing is successfully completed.

b.

The source of potable water used for testing must have a meter and an approved back flow prevention device. These can be obtained through the City of Roseville.

c.

The contractor shall provide a means to plumb in pressure and cross connection testing apparatus at the point of highest elevation, for both potable and constant pressure

d.

recycled water systems.

e.

The constant pressure recycled water system including all appurtenances shall be tested at 125 PSI at highest point of elevation for 1 hour with no detectable leakage.

f.

Pressure testing must be successfully completed prior to cross connection testing.

g.

The recycled water system shall be tested for cross-connection in accordance with Uniform Plumbing Code Appendix J prior to use.

h.

For projects being performed in phases, a cross connection test shall be performed on each phase independently, before it is put into service. The potable water source used for testing each phase must be independent of other previously completed phases.At the time a cross connection test is to be performed, construction on both the potable and the recycled water systems being tested must be complete, and both systems Fully operational and functioning as designed.

i.

Cross connection testing shall be performed on the system by City forces with the assistance of the Contractor. The test will be coordinated through the Environmental Utilities or Parks Department Inspector. Forty-eight (48) hours notice is required before the test. Depending on the complexity of the site, a preliminary field meet may also be required.

16.

Coverage test

a.

Adjust spray heads to eliminate overspray onto native oak areas and into areas not under the control of the customer. For example: pool decks, private patios, streets and sidewalks.






















17.

Meter Installation - Once the on-site recycled water system has been properly inspected and passed pressure and cross connection testing, a meter may be installed. The meter must be purchased from The City of Roseville and installed by city forces. Coordinate meter purchase and installation with the Environmental Utilities or Parks Department Inspector.

18.

No connection shall be made to the City's existing recycled water system until the new facilities have been successfully pressure and cross connection tested. Taps to the existing recycled system will be made by City forces only.


19.

Failure to comply with any or all of the above guidelines violates the City of Roseville design and construction standards for recycled water infrastructure and will result in termination of service until the appropriate corrective steps have been taken.
- RECLAIMED IRRIGATION
- | SYMBOL | DESCRIPTION | QTY | DETAIL |
|--------|--|--------|------------|
| RI-101 | Reclaimed Irrigation Mainline: PVC Class 200 SDR 21 for lines 3" or larger, per specs. PVC Schedule 40 for lines 2-1/2" or smaller, per specs. Sleeve under all paving. Purple pipe designated for recycled water use. | 455 IF | PK-5/LI1.4 |
| RI-102 | Recycled Water Warning/Information Sign per City of Roseville Construction Standards. Locate sign at all park entries, see irrigation plans, 6 total. | | RW-9/LI1.5 |
- Note:
- System is to be designed for Recycled Water, to be converted at a later date when the service is brought through to the North. All components shall contain identification for non-potable water.
- IRRIGATION SCHEDULE
- | SYMBOL | MANUFACTURER/MODEL | PSI | DETAIL |
|---|---|-----|------------|
|  | Hunter MP Strip PROS-06-PRS40-CV-R | 40 | PK-8/LI1.4 |
|  | Hunter MP1000 PROS-06-PRS40-CV-R | 40 | |
|  | Hunter MP2000 PROS-06-PRS40-CV-R | 40 | |
|  | Hunter MP800SR PROS-06-PRS40-CV-R | 40 | PK-9/LI1.4 |
|  | Hunter RZWS-SLEEVE-36-CV-R (2 Per Tree) | 50 | |
- | SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | PSI | GPM | RADIUS | DETAIL |
|---|---|-----|------|--------|------------|
|  | Pop-Up Turf Rotor Hunter I-40-06-SS-R. | 50 | 10.3 | 41' | PK-7/LI1.4 |
|  | Pop-Up Turf Rotor Hunter I-40-06-SS-R. | 50 | 13.8 | 45' | PK-7/LI1.4 |
- | SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | DETAIL |
|---|---|---------|
|  | Rain Bird PCT Single Outlet Emmitter Pressure Compensating Threaded Low-Flow Bubbler with Purple Diffuser Caps. Offered in 5 GPH, 7 GPH, and 10 GPH models, with 1/2" FPT threaded inlet. Light Brown = 5 GPH, Violet = 7 GPH, and Green = 10 GPH. | 5/LI1.5 |
- | SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | DETAIL |
|---|--|-------------|
|  | Rain Bird PESBR 1", 1-1/2", and 2" Durable Chlorine-Resistant Valves for Reclaimed Water Applications. With Purple Flow Control Handle. | PK-15/LI1.5 |
|  | Rain Bird 44-NP 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Non-Potable Purple Rubber Cover, and 2-Piece Body. | PK-14/LI1.5 |
|  | Gate Valve Nibco T-113. Line sized. Install with purple handle. | PK-11/LI1.4 |
|  | Buckner-Superior 3100-RW 2-1/2" Normally Open Brass Master Valve that Provides Dirty Water Protection. Available in 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" and 3". With Purple Cross Handle for Reclaimed Water Use. | PK-2/LI1.4 |
|  | Automatic Irrigation Controller Calsense CS3000 controller assembly by Ewing Irrigation. Part number CS3000-32-CS3-RR-S1-LR-STUBBY, see specs. Controller mounted inside Calsense stainless steel pedestal enclosure. | PK-1/LI1.4 |
|  | Flow Sensor FM-1.5B Calsense 1.5" Flow Meter. | PK-2/LI1.4 |
|  | Booster Pump. See Detail | 2/LI1.5 |
|  | Backflow Preventer See Civil Plans | |
|  | Pressure Reducing Valve Cla-Val Model # 90-01 Pressure Reducing Valve, 3" Ductile Iron. Install upstream of booster pump. | |
|  | Water Meter 3" See Civil Plans for more information | Per Civil |
- | | | |
|---|---|------------|
|  | Irrigation Lateral Line: Non-Pressure Lateral Line PVC Schedule 40. Size per plan. Sleeve under all paving. Purple pipe designated for recycled water use. | PK-5/LI1.4 |
|  | Irrigation Mainline: Pressure Mainline PVC Class 200 SDR 21 for lines 3" or larger, per specs. PVC Schedule 40 for lines 2-1/2" or smaller, per specs. Sleeve under all paving. Purple pipe designated for recycled water use. | |
|  | Pipe Sleeve: Pipe Sleeving PVC Schedule 40. Purple pipe designated for recycled water use. Size per plan. Sleeve under all paving. Mainline sleeve shall be a minimum of 6" in diameter. | |
- Valve Cabinet

Valve Number

Valve Flow

Valve Size


- IRRIGATION NOTES
1.

Install irrigation system in accordance with all local codes and ordinances.

2.

See details and specifications for procedures, material and installation requirements.

3.

The Landscape Contractor shall inspect the site and verify conditions and dimensions prior to construction.

4.

Prior to cutting into soil, locate all cables, conduits, sewers, and other utilities or architectural features that are commonly encountered underground and take proper precautions not to damage or disturb such improvements. Any damage made during the installation of the irrigation system of the aforementioned items shall be repaired and/or replaced to the satisfaction of the City's representative at the Contractor's own expense.

5.

The irrigation systems are designed to operate at 50 psi at point of connection to domestic water supply. Landscape Contractor shall test pressure at point of connection prior to installation of the irrigation backflow prevention device, or any other irrigation equipment. Notify Landscape Architect immediately if pressure is below 50 psi or over 50 psi to determine needed pressure regulation devices. (i.e. boost pump or regulating valve.)

6.

All valve boxes shall be located in shrub and groundcover areas whenever possible, and shall be bolted.



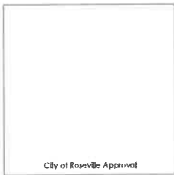
7.

Adjust irrigation heads to provide full coverage and to prevent overspray onto structures or paved areas.

8.

Station operation times shall not exceed the soil's infiltration rate as determined by the soils report.

9.

All lateral end runs shall be 3/4" size unless otherwise noted.
- LATERAL SIZING GUIDE
- | CIRCUIT GPM | PIPE SIZE | PIPE CLASS |
|-------------|-----------|-------------|
| 0-8 GPM | 3/4" | SCH. 40 PVC |
| 9-12 GPM | 1" | SCH. 40 PVC |
| 13-22 GPM | 1-1/4" | SCH. 40 PVC |
| 23-30 GPM | 1-1/2" | SCH. 40 PVC |
| 31-50 GPM | 2" | SCH. 40 PVC |
| 51-70 GPM | 2-1/2" | SCH. 40 PVC |
| 71-110 GPM | 3" | SCH. 40 PVC |
- CONTROL WIRE SIZING GUIDE
- | Control/
Common Wire | No. 14 | No. 12 | No. 10 | No. 8 |
|-------------------------|--------|--------|--------|-------|
| No. 14 | 1700' | 2000' | 2400' | 2700' |
| No. 12 | | 2700' | 3300' | 3800' |
| No. 10 | | | 4800' | 5200' |
| No. 8 | | | | 6700' |
- Note:
- The irrigation design is diagrammatic. All piping, valves, etc., shown within paved areas are for design clarification only and shall be installed in planting areas. No elbows or 45° ells may be placed under paving, these are to be located in planting areas only. Mainline and valves shall be installed in shrub/ground cover areas only. Avoid conflicts with utilities, new planting, new site or architectural elements.
- Note:
- Tree bubbler location is diagrammatic. Contractor to locate tree and shrub bubblers based on tree and shrub locations shown on Planting Plans.
- Note:
- The Contractor is to take a water pressure reading at the irrigation point of connection prior to installation of irrigation equipment. Contractor to immediately notify Owner's Representative and Landscape Architect if any discrepancies are found between plans and existing irrigation conditions.
- Note:
- Rotors are spaced an additional 15% more than head to head coverage of throw space.
- Note:
- All spray and rotor heads to be 12" minimum from hardscape in planter areas.
- System Operating Flow & Pressure
- Maximum flow: 100 GPM
Static Design Pressure: 95 psi
Normal Operating Pressure: 50 psi
- Note: System maximum flow meets and exceeds City requirement to not exceed 75% of the backflow preventer's maximum flow
- QUADRIGA
landscape architecture and planning, inc
SACRAMENTO | SANTA ROSA
916.541.2129 | www.quadrigainc.com
- 
- CWJ - 190070
EN - 18-0892
BD -
- R.G. Phillips Park
Park Site F-52
- Construction Documents 100%
- 1200 Old Coach Drive, Roseville, CA
- Stamp
- 
- Issuances & Revisions
- | No. | Description | Date |
|-----|-------------|------|
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- Irrigation Notes &
Legend
- Date: 20/01/21
Project Number: 18-1629
Scale: AS SHOWN
- LI1.0

IRRIGATION SCHEDULE: ESTABLISHMENT PERIOD

| Location: Roseville, CA | | | | | Eto: 50.5 | Soil Type: Sand | | Cycles per Week: | | 7 days per week | | | | | | | | | | | | |
|-----------------------------|------|-----------|------------|---------|-----------------|-----------------|------|------------------|---------------|-----------------|-----|-----|------|------|------|------|------|------|-----|-----|-----|-------------|
| Station | GPM | Soil Type | Plant Type | Area SF | Irrigation Type | EC (PPH) | ET | Precip Rate | No. of Cycles | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total In/yr |
| MINUTES PER CYCLE AT 100GPI | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | 19.0 | 1.0 | Low | 3,418 | Tree Bubble | 0.2 | 0.81 | 0.54 | 1 | 0.9 | 1.6 | 2.9 | 4.5 | 5.9 | 6.7 | 7.1 | 6.2 | 4.8 | 3.2 | 1.5 | 0.9 | 12.47 |
| 7.0 | 15.0 | 1.0 | Low | 2,900 | Tree Bubble | 0.2 | 0.81 | 0.52 | 1 | 1.0 | 1.7 | 3.0 | 4.6 | 6.1 | 6.9 | 7.3 | 6.5 | 5.0 | 3.3 | 1.6 | 0.9 | 12.47 |
| 9.0 | 10.4 | 1.0 | Low | 2,395 | Shrub Bubble | 0.2 | 0.81 | 0.35 | 1 | 1.4 | 2.5 | 4.5 | 6.9 | 9.1 | 10.3 | 10.9 | 9.6 | 7.4 | 4.9 | 2.4 | 1.4 | 12.47 |
| 10.0 | 18.1 | 1.0 | Med | 3,403 | Spray | 0.5 | 0.75 | 0.51 | 1 | 2.6 | 4.6 | 8.2 | 12.6 | 16.5 | 18.9 | 19.9 | 17.6 | 13.5 | 9.5 | 4.3 | 2.5 | 33.67 |
| 11.0 | 14.5 | 1.0 | Low | 7,428 | Shrub Bubble | 0.2 | 0.81 | 0.19 | 1 | 2.6 | 4.6 | 8.3 | 12.7 | 16.7 | 19.0 | 20.1 | 17.7 | 13.7 | 9.1 | 4.3 | 2.5 | 12.47 |
| 12.0 | 21.0 | 1.0 | Med | 2,400 | Tree Bubble | 0.2 | 0.81 | 0.84 | 1 | 0.6 | 1.0 | 1.8 | 2.8 | 3.7 | 4.2 | 4.5 | 4.0 | 3.0 | 2.0 | 1.0 | 0.6 | 12.47 |
| 16.0 | 18.7 | 1.0 | Med | 3,516 | Spray | 0.5 | 0.75 | 0.51 | 1 | 2.6 | 4.6 | 8.2 | 12.6 | 16.5 | 18.9 | 19.9 | 17.6 | 13.5 | 9.0 | 4.3 | 2.5 | 33.67 |
| 17.0 | 11.5 | 1.0 | Low | 2,162 | Shrub Bubble | 0.2 | 0.81 | 0.51 | 1 | 1.0 | 1.7 | 3.0 | 4.7 | 6.1 | 7.0 | 7.4 | 6.5 | 5.0 | 3.3 | 1.6 | 0.9 | 12.47 |
| 19.0 | 22.0 | 1.0 | Low | 4,200 | Tree Bubble | 0.2 | 0.81 | 0.50 | 1 | 1.0 | 1.7 | 3.1 | 4.7 | 6.2 | 7.1 | 7.5 | 6.6 | 5.1 | 3.4 | 1.6 | 0.9 | 12.47 |
| 23.0 | 6.3 | 1.0 | Med | 1,184 | Spray | 0.5 | 0.75 | 0.51 | 1 | 2.6 | 4.6 | 8.2 | 12.6 | 16.5 | 18.9 | 19.9 | 17.6 | 13.5 | 9.0 | 4.3 | 2.5 | 33.67 |
| 24.0 | 6.3 | 1.0 | Low | 2,212 | Shrub Bubble | 0.2 | 0.81 | 0.27 | 1 | 1.8 | 3.2 | 5.7 | 9.7 | 11.4 | 13.1 | 11.8 | 12.2 | 9.4 | 6.2 | 3.0 | 1.7 | 12.47 |
| 25.0 | 19.0 | 1.0 | Low | 3,800 | Tree Bubble | 0.2 | 0.81 | 0.48 | 1 | 1.0 | 1.8 | 3.2 | 5.0 | 6.5 | 7.4 | 7.8 | 6.9 | 5.3 | 3.5 | 1.7 | 1.0 | 12.47 |
| 2.0 | 82.8 | 1.0 | High | 8,509 | Rotor | 0.8 | 0.75 | 1.00 | 1 | 2.1 | 3.7 | 6.7 | 10.4 | 13.6 | 15.5 | 16.4 | 14.5 | 11.1 | 7.4 | 3.5 | 2.0 | 53.87 |
| 3.0 | 82.8 | 1.0 | High | 8,860 | Rotor | 0.8 | 0.75 | 0.90 | 1 | 2.4 | 4.1 | 7.5 | 11.5 | 15.1 | 17.2 | 18.1 | 16.0 | 12.3 | 8.2 | 3.9 | 2.1 | 53.87 |
| 4.0 | 96.6 | 1.0 | High | 8,859 | Rotor | 0.8 | 0.75 | 1.05 | 1 | 2.0 | 3.6 | 6.4 | 9.9 | 12.9 | 14.7 | 15.5 | 13.7 | 10.6 | 7.5 | 3.4 | 1.9 | 53.87 |
| 5.0 | 82.8 | 1.0 | High | 8,755 | Rotor | 0.8 | 0.75 | 0.97 | 1 | 2.3 | 4.1 | 7.4 | 11.4 | 14.9 | 17.0 | 17.9 | 15.8 | 12.2 | 8.1 | 3.9 | 2.2 | 53.87 |
| 6.0 | 82.8 | 1.0 | High | 8,207 | Rotor | 0.8 | 0.75 | 0.97 | 1 | 2.2 | 3.8 | 6.9 | 10.6 | 13.9 | 15.9 | 16.8 | 14.8 | 11.4 | 7.6 | 3.6 | 2.1 | 53.87 |
| 8.0 | 79.3 | 1.0 | High | 8,786 | Rotor | 0.8 | 0.75 | 0.87 | 1 | 2.5 | 4.3 | 7.7 | 11.9 | 15.6 | 17.8 | 18.8 | 16.6 | 12.8 | 8.5 | 4.0 | 2.3 | 53.87 |
| 13.0 | 82.8 | 1.0 | High | 8,284 | Rotor | 0.8 | 0.75 | 0.96 | 1 | 2.2 | 3.9 | 7.0 | 10.7 | 14.1 | 16.1 | 17.0 | 15.0 | 11.5 | 7.6 | 3.7 | 2.1 | 53.87 |
| 14.0 | 82.8 | 1.0 | High | 8,123 | Rotor | 0.8 | 0.75 | 0.98 | 1 | 2.2 | 3.8 | 6.9 | 10.6 | 13.9 | 15.9 | 16.7 | 14.8 | 11.4 | 7.5 | 3.6 | 2.1 | 53.87 |
| 15.0 | 82.8 | 1.0 | High | 8,597 | Rotor | 0.8 | 0.75 | 0.93 | 1 | 2.3 | 4.0 | 7.2 | 11.2 | 14.6 | 16.7 | 17.6 | 15.5 | 12.0 | 7.9 | 3.8 | 2.2 | 53.87 |
| 18.0 | 82.8 | 1.0 | High | 8,791 | Rotor | 0.8 | 0.75 | 0.91 | 1 | 2.4 | 4.1 | 7.4 | 11.4 | 14.9 | 17.1 | 18.0 | 15.9 | 12.2 | 8.1 | 3.9 | 2.2 | 53.87 |
| 20.0 | 96.6 | 1.0 | High | 8,466 | Rotor | 0.8 | 0.75 | 1.10 | 1 | 1.9 | 3.4 | 6.1 | 9.4 | 12.3 | 14.1 | 14.9 | 13.1 | 10.1 | 6.7 | 3.2 | 1.8 | 53.87 |
| 21.0 | 69.0 | 1.0 | High | 8,905 | Rotor | 0.8 | 0.75 | 0.75 | 1 | 2.9 | 5.0 | 9.0 | 13.9 | 18.2 | 20.7 | 21.9 | 19.3 | 14.9 | 9.9 | 4.7 | 2.7 | 53.87 |
| 22.0 | 89.6 | 1.0 | High | 7,356 | Rotor | 0.8 | 0.75 | 1.17 | 1 | 1.8 | 3.2 | 5.7 | 8.8 | 11.5 | 13.2 | 13.9 | 12.3 | 9.5 | 6.3 | 3.0 | 1.7 | 53.87 |

Note: During Maintenance Period irrigation times may be increased by 20% to allow for establishment of newly planted material.

IRRIGATION SCHEDULE: ESTABLISHED LANDSCAPE

| Location: Roseville, CA | | | | | Eto: 50.5 | Soil Type: Sand | Cycles per Week: 4 days per week | | | | | | | | | | | | | | | |
|-------------------------|------|-----------|------------|---------|-----------------|-----------------|----------------------------------|--------------|---------------|----------------------------|-----|------|------|------|------|------|------|------|------|-----|-----|-------------|
| Station | GPM | Soil Type | Plant Type | Area SF | Irrigation Type | EC (PPH) | ET | Precip. Rate | No. of Cycles | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total In/yr |
| | | | | | | | | | | MINUTES PER CYCLE AT 100°F | | | | | | | | | | | | |
| 1.0 | 19.0 | 1.0 | Low | 3,418 | Tree Bubble | 0.2 | 0.8 | 0.54 | 1 | 1.6 | 2.8 | 5.1 | 7.8 | 10.3 | 11.7 | 12.4 | 10.9 | 8.4 | 5.6 | 2.7 | 1.5 | 12.47 |
| 7.0 | 15.0 | 1.0 | Low | 2,900 | Tree Bubble | 0.2 | 0.8 | 0.52 | 1 | 1.7 | 2.9 | 5.3 | 8.1 | 10.6 | 12.2 | 12.8 | 11.3 | 8.7 | 5.8 | 2.8 | 1.6 | 12.47 |
| 9.0 | 10.4 | 1.0 | Low | 2,395 | Shrub Bubble | 0.2 | 0.81 | 0.35 | 1 | 2.5 | 4.4 | 7.9 | 12.1 | 15.9 | 18.1 | 19.1 | 16.9 | 13.0 | 8.6 | 4.1 | 2.4 | 12.47 |
| 10.0 | 18.1 | 1.0 | Med | 3,403 | Spray | 0.5 | 0.75 | 0.51 | 1 | 4.6 | 8.0 | 14.4 | 22.1 | 28.9 | 33.1 | 34.9 | 30.8 | 23.7 | 15.7 | 7.5 | 4.3 | 33.67 |
| 11.0 | 14.5 | 1.0 | Low | 7,428 | Shrub Bubble | 0.2 | 0.8 | 0.19 | 1 | 4.6 | 8.1 | 14.5 | 22.3 | 29.2 | 33.4 | 35.2 | 31.1 | 23.9 | 15.9 | 7.6 | 4.4 | 12.47 |
| 12.0 | 21.0 | 1.0 | Low | 2,400 | Tree Bubble | 0.2 | 0.81 | 0.84 | 1 | 1.0 | 1.8 | 3.2 | 5.0 | 6.5 | 7.4 | 7.9 | 6.9 | 5.3 | 3.5 | 1.7 | 1.0 | 12.47 |
| 16.0 | 18.7 | 1.0 | Med | 3,516 | Spray | 0.5 | 0.75 | 0.51 | 1 | 4.6 | 8.0 | 14.4 | 22.1 | 28.9 | 33.1 | 34.9 | 30.8 | 23.7 | 15.7 | 7.5 | 4.3 | 33.67 |
| 17.0 | 11.5 | 1.0 | Low | 2,162 | Shrub Bubble | 0.2 | 0.81 | 0.51 | 1 | 1.7 | 3.0 | 5.5 | 8.2 | 10.7 | 12.2 | 12.9 | 11.4 | 8.8 | 5.8 | 2.8 | 1.6 | 12.47 |
| 19.0 | 22.0 | 1.0 | Low | 4,200 | Tree Bubble | 0.2 | 0.81 | 0.50 | 1 | 1.7 | 3.0 | 5.4 | 8.3 | 10.9 | 12.4 | 13.1 | 11.6 | 8.9 | 5.9 | 2.8 | 1.6 | 12.47 |
| 23.0 | 6.3 | 1.0 | Med | 1,184 | Spray | 0.5 | 0.75 | 0.51 | 1 | 4.6 | 8.0 | 14.4 | 22.1 | 28.9 | 33.1 | 34.9 | 30.8 | 23.7 | 15.7 | 7.5 | 4.3 | 33.67 |
| 24.0 | 6.3 | 1.0 | Low | 2,212 | Shrub Bubble | 0.2 | 0.81 | 0.27 | 1 | 3.2 | 5.5 | 9.9 | 15.3 | 20.0 | 22.9 | 24.1 | 21.3 | 14.4 | 10.9 | 5.2 | 3.0 | 12.47 |
| 25.0 | 19.0 | 1.0 | Low | 3,800 | Tree Bubble | 0.2 | 0.81 | 0.48 | 1 | 1.8 | 3.1 | 5.7 | 8.7 | 11.4 | 13.0 | 13.7 | 12.1 | 9.3 | 6.2 | 3.0 | 1.7 | 12.47 |
| 2.0 | 82.8 | 1.0 | High | 8,509 | Rotor | 0.8 | 0.75 | 1.00 | 1 | 3.8 | 6.6 | 11.8 | 18.2 | 23.8 | 27.2 | 28.7 | 25.3 | 19.5 | 12.9 | 6.7 | 3.6 | 53.87 |
| 3.0 | 82.8 | 1.0 | High | 8,860 | Rotor | 0.8 | 0.75 | 0.90 | 1 | 4.2 | 7.3 | 13.1 | 20.1 | 26.4 | 30.1 | 31.8 | 28.0 | 21.6 | 14.3 | 6.9 | 3.9 | 53.87 |
| 4.0 | 96.6 | 1.0 | High | 8,859 | Rotor | 0.8 | 0.75 | 1.05 | 1 | 3.6 | 6.2 | 11.2 | 17.3 | 22.6 | 25.8 | 27.2 | 24.0 | 18.3 | 12.3 | 5.9 | 3.4 | 53.87 |
| 5.0 | 82.8 | 1.0 | High | 8,755 | Rotor | 0.8 | 0.75 | 0.91 | 1 | 4.1 | 7.2 | 12.9 | 19.9 | 25.1 | 29.7 | 31.4 | 27.7 | 21.3 | 14.2 | 6.8 | 3.9 | 53.87 |
| 6.0 | 82.8 | 1.0 | High | 8,207 | Rotor | 0.8 | 0.75 | 0.87 | 1 | 3.8 | 6.7 | 12.1 | 18.7 | 24.4 | 27.9 | 29.4 | 26.0 | 20.0 | 13.3 | 6.3 | 3.7 | 53.87 |
| 8.0 | 79.3 | 1.0 | High | 8,786 | Rotor | 0.8 | 0.75 | 0.92 | 1 | 4.3 | 7.5 | 13.5 | 20.8 | 27.3 | 31.2 | 32.9 | 29.0 | 22.4 | 14.8 | 7.1 | 4.1 | 53.87 |
| 13.0 | 82.8 | 1.0 | High | 8,284 | Rotor | 0.8 | 0.75 | 0.96 | 1 | 3.9 | 6.8 | 12.2 | 18.8 | 24.6 | 28.1 | 29.7 | 26.2 | 20.2 | 13.4 | 6.4 | 3.7 | 53.87 |
| 14.0 | 82.8 | 1.0 | High | 8,173 | Rotor | 0.8 | 0.75 | 0.98 | 1 | 3.8 | 6.7 | 12.1 | 18.6 | 24.3 | 27.8 | 29.3 | 25.9 | 19.9 | 13.2 | 6.3 | 3.6 | 53.87 |
| 15.0 | 82.8 | 1.0 | High | 8,597 | Rotor | 0.8 | 0.75 | 0.93 | 1 | 4.0 | 7.0 | 12.7 | 19.3 | 25.6 | 29.2 | 30.6 | 27.2 | 20.9 | 13.9 | 6.6 | 3.8 | 53.87 |
| 18.0 | 82.8 | 1.0 | High | 8,791 | Rotor | 0.8 | 0.75 | 0.91 | 1 | 4.1 | 7.2 | 13.0 | 20.0 | 26.2 | 29.9 | 31.5 | 27.8 | 21.4 | 14.7 | 6.8 | 3.9 | 53.87 |
| 20.0 | 96.6 | 1.0 | High | 8,466 | Rotor | 0.8 | 0.75 | 1.10 | 1 | 3.4 | 6.0 | 10.7 | 16.5 | 21.6 | 24.7 | 26.0 | 23.0 | 17.7 | 11.7 | 5.6 | 3.2 | 53.87 |
| 21.0 | 69.0 | 1.0 | High | 8,905 | Rotor | 0.8 | 0.75 | 0.75 | 1 | 5.0 | 8.8 | 15.8 | 24.3 | 31.8 | 36.3 | 38.3 | 33.8 | 29.0 | 17.3 | 8.3 | 4.8 | 53.87 |
| 22.0 | 89.6 | 1.0 | High | 7,356 | Rotor | 0.8 | 0.75 | 1.17 | 1 | 3.2 | 5.6 | 10.0 | 15.4 | 20.2 | 23.1 | 24.4 | 21.5 | 16.6 | 11.0 | 5.3 | 3.0 | 53.87 |

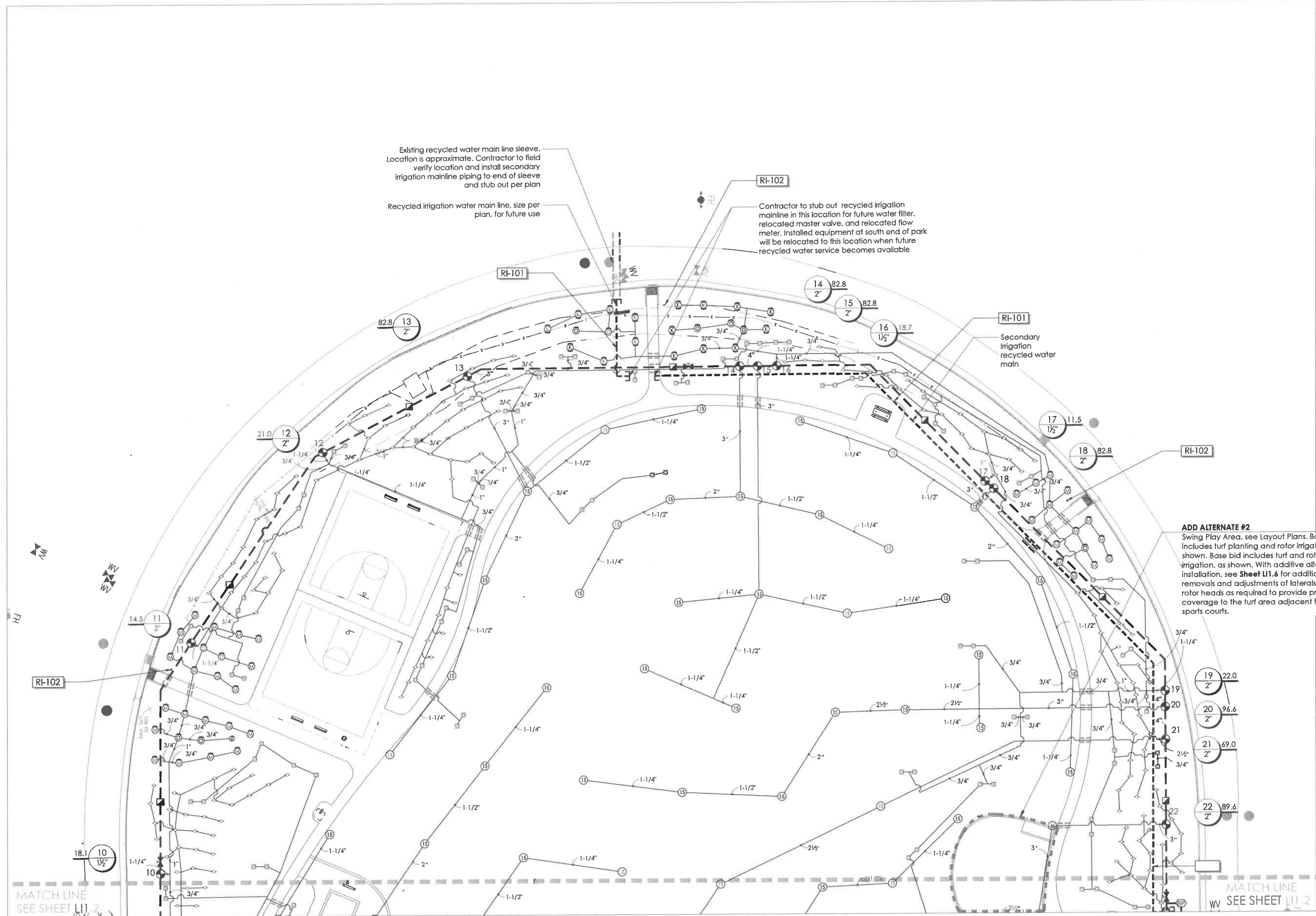
Note: During Maintenance Period irrigation times may be increased by 20% to allow for establishment of newly planted material.

MWELO CALCULATIONS

ETWU (Estimated Total Water Use) Annual Gallons Required

| REGULAR LANDSCAPE AREA | | | | | | | | | Eto: 50.5 | | Soil Type: Sand | | Cycles per Week: 7 days per week | |
|------------------------|------------------------|--------------|-------------------|-----------------------|---------------|--------------|-------------|-------------------------|-----------|--|-----------------|--|----------------------------------|--|
| Valve # | Plant Type (Hydrozone) | Plant Factor | Irrigation Method | Irrigation Efficiency | ETAF (ET x E) | Area (sq ft) | ETAF x Area | ETWU (Gallons per Year) | | | | | | |
| 1 | Low | 0.2 | Tree Bubble | 0.81 | 0.25 | 3,418 | 844 | 26,424 | | | | | | |
| 7 | Low | 0.2 | Tree Bubble | 0.81 | 0.25 | 2,900 | 691 | 21,646 | | | | | | |
| 9 | Low | 0.2 | Shrub Bubble | 0.81 | 0.25 | 2,395 | 715 | 22,381 | | | | | | |
| 10 | Med | 0.5 | Spray | 0.75 | 0.67 | 3,403 | 2,269 | 71,058 | | | | | | |
| 11 | Low | 0.2 | Shrub Bubble | 0.81 | 0.25 | 7,428 | 1,834 | 57,425 | | | | | | |
| 12 | Low | 0.2 | Tree Bubble | 0.81 | 0.25 | 2,400 | 593 | 18,554 | | | | | | |
| 16 | Med | 0.5 | Spray | 0.75 | 0.67 | 3,516 | 2,344 | 73,382 | | | | | | |
| 17 | Low | 0.2 | Shrub Bubble | 0.81 | 0.25 | 2,162 | 534 | 16,714 | | | | | | |
| 19 | Low | 0.2 | Tree Bubble | 0.81 | 0.25 | 4,200 | 1,037 | 32,470 | | | | | | |
| 23 | Med | 0.5 | Spray | 0.75 | 0.67 | 1,184 | 790 | 24,722 | | | | | | |
| 24 | Low | 0.2 | Shrub Bubble | 0.81 | 0.25 | 2,212 | 546 | 17,101 | | | | | | |
| 25 | Low | 0.2 | Tree Bubble | 0.81 | 0.25 | 3,800 | 938 | 29,377 | | | | | | |
| | | | | | 0.33 | 39,418 | 13,134 | 411,224 | | | | | | |

| SPECIAL LANDSCAPE AREA | | | | | | | | | | | | Eto: 50.5 | | Soil Type: Sand | | |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|--|-----------------|--|--|
|------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|--|-----------------|--|--|



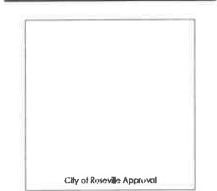
**R.G. Phillips Park
Park Site F-52**
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA

Stamp



Issuances & Revisions
No. Description Date

| No. | Description | Date |
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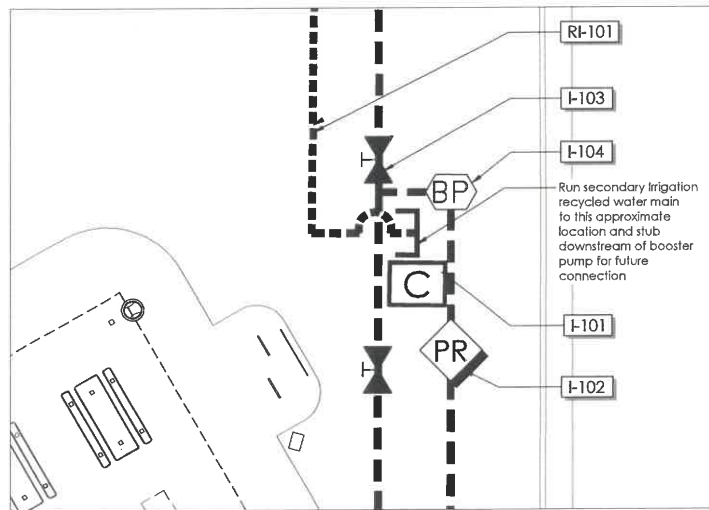
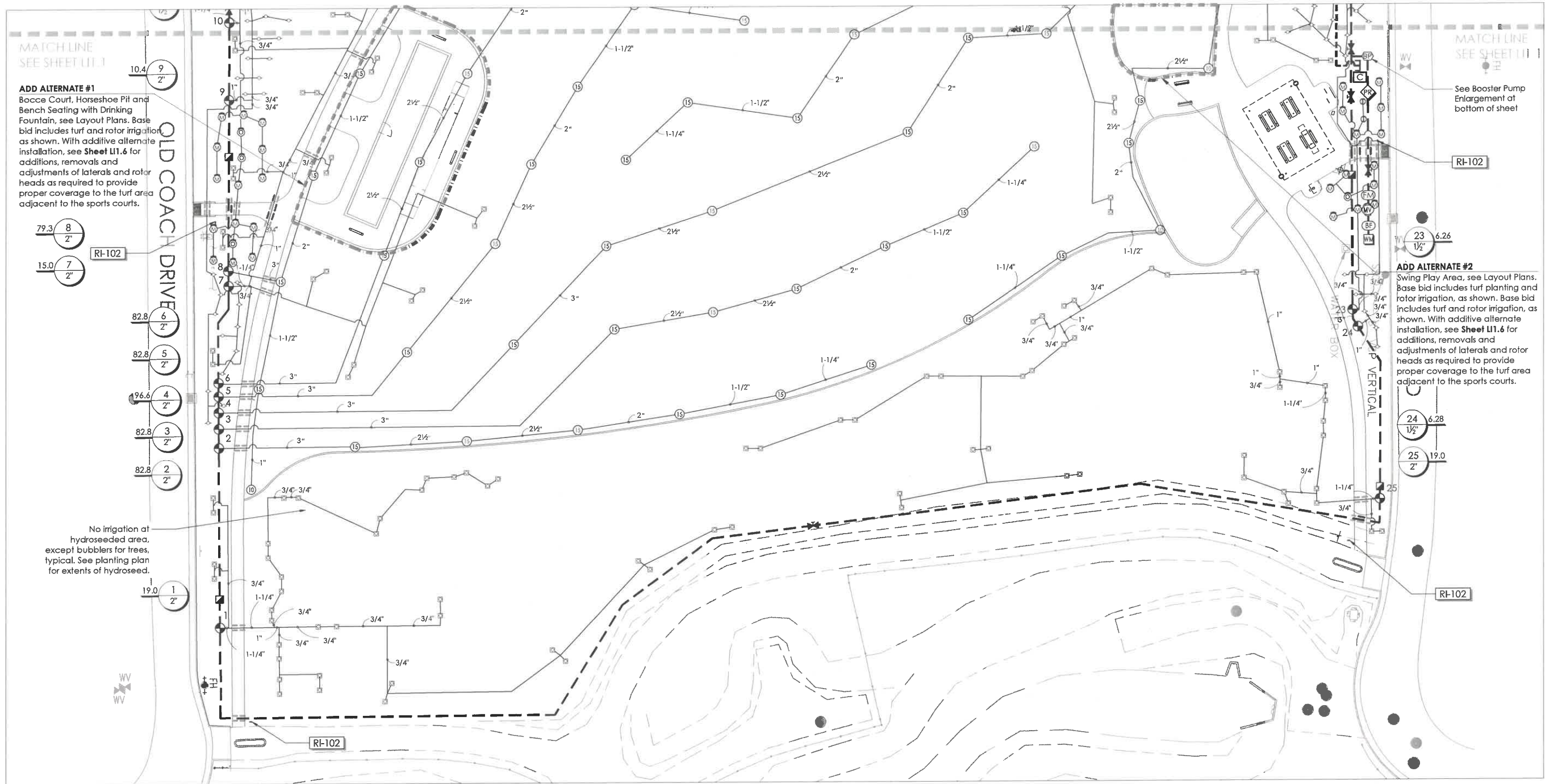
Irrigation Plan - North

Date: 20/11/21
Project Number: 18-1629
Scale: AS SHOWN

LI1.2



For Council Approval
Do Not Use for Bidding



BOOSTER PUMP ENLARGEMENT CALLOUTS

| SYMBOL | DESCRIPTION | DETAIL |
|--------|--|--------|
| RF-101 | Reclaimed Irrigation Mainline: PVC Class 200 SDR 21 for lines 3\" or larger, per specs. PVC Schedule 40 for lines 2-1/2\" or smaller, per specs. Sleeve under all paving. Purple pipe designated for recycled water use. | |
| I-101 | Automatic Controller Calsense CS3000 controller assembly by Ewing Irrigation. Part number CS3000-32-CS3-RR-S1-LR-STUBBY, see specs. Controller mounted inside Calsense stainless steel pedestal enclosure. | |
| I-102 | Pressure Reducing Valve Cia-Val Model #90-01 Pressure Reducing Valve, 3\" Ductile Iron. Install upstream of booster pump. | |
| I-103 | Gate Valve Nibco T-113. Line sized. Install with purple handle. | |
| I-104 | Booster Pump, see detail | |

--- Irrigation Mainline: Pressure Mainline
PVC Class 200 SDR 21 for lines 3\" or larger, per specs. PVC Schedule 40 for lines 2-1/2\" or smaller, per specs. Sleeve under all paving. Purple pipe designated for recycled water use.

2/LI1.4

See sheet LI1.0 for notes and legend.

0 20' 40'
Scale: 1\" = 20'-0\"



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Landscape Architecture and Planning, Inc.
SACRAMENTO | SANTA ROSA
916.441.2122 | WWW.QUADRIGA.COM

CITY OF
ROSEVILLE
CALIFORNIA
**Parks, Recreation
& Libraries**

CWJ - 190070
BN - 18-0892
BD -

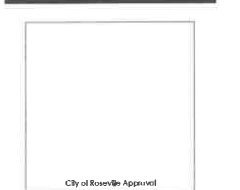
R.G. Phillips Park
Park Site F-52
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA

Stamp



Issuances & Revisions
No. Description Date

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Irrigation Plan - South

Date: 2/27/21
Project Number: 18-1629
Scale: AS SHOWN

LI1.3

For Council Approval
Do Not Use for Bidding

**R.G. Phillips Park
Park Site F-52**

Construction Documents 100%

1200 Old Coach Drive, Roseville, CA

Stamp



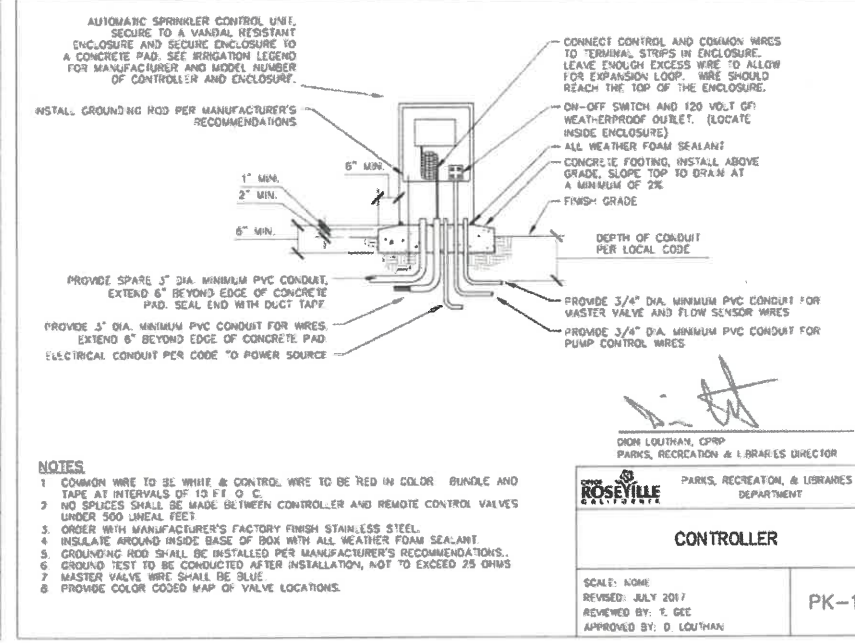
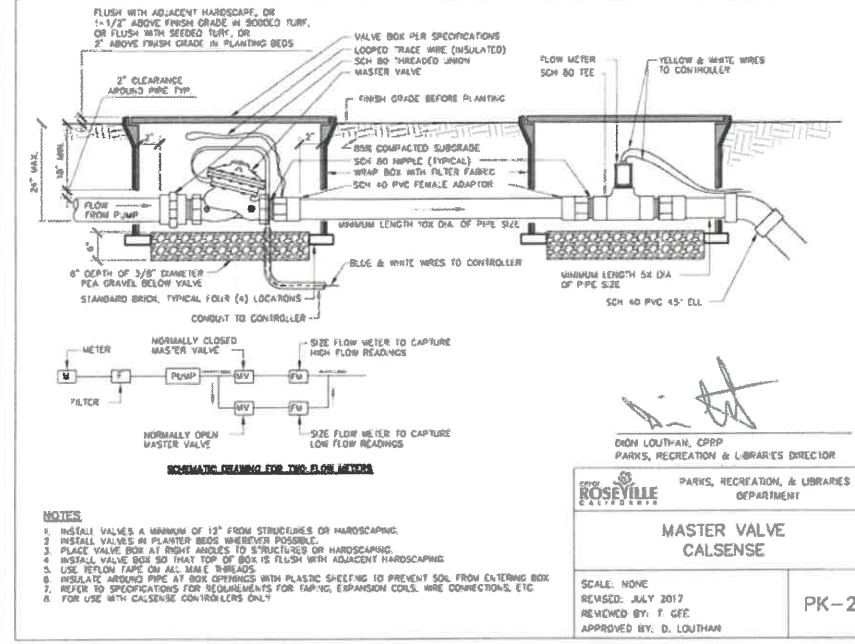
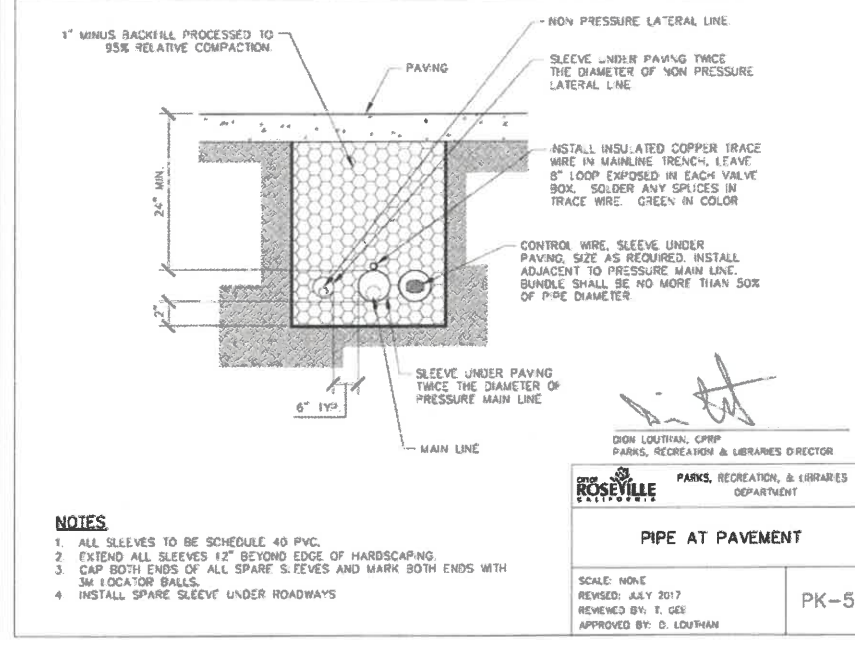
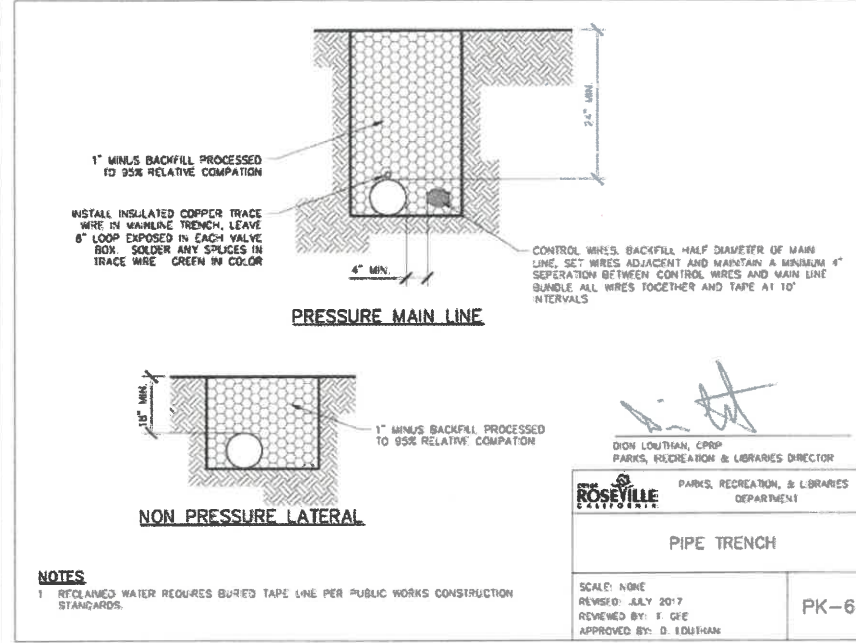
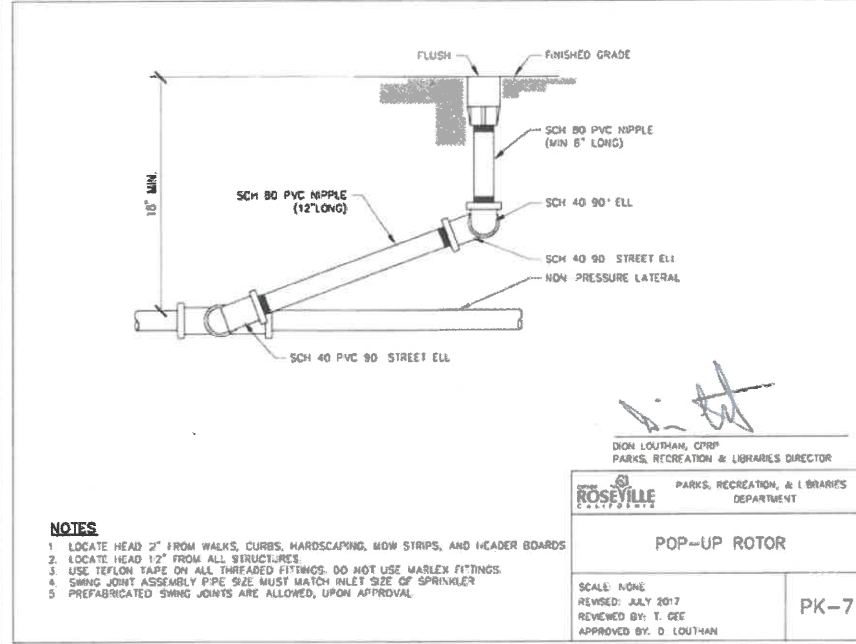
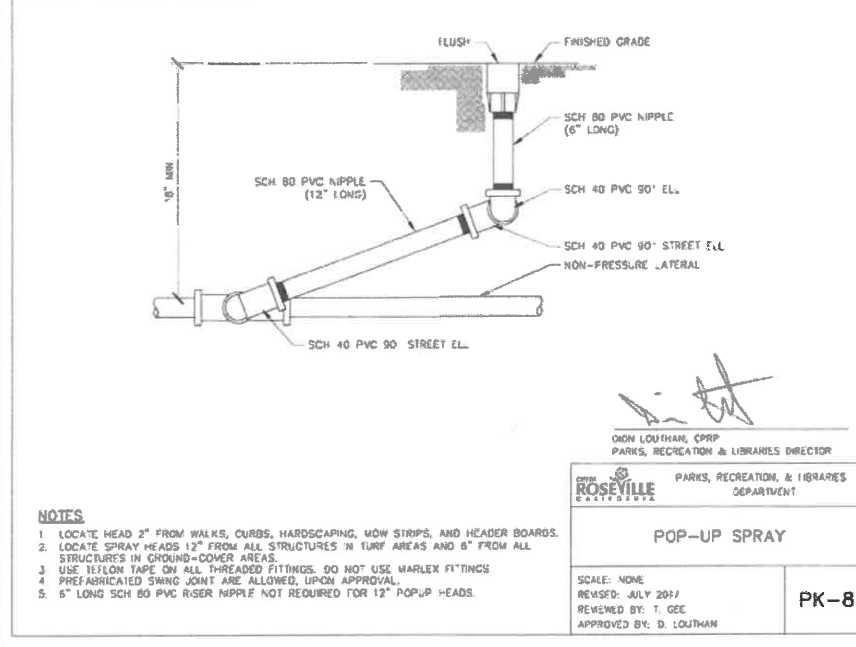
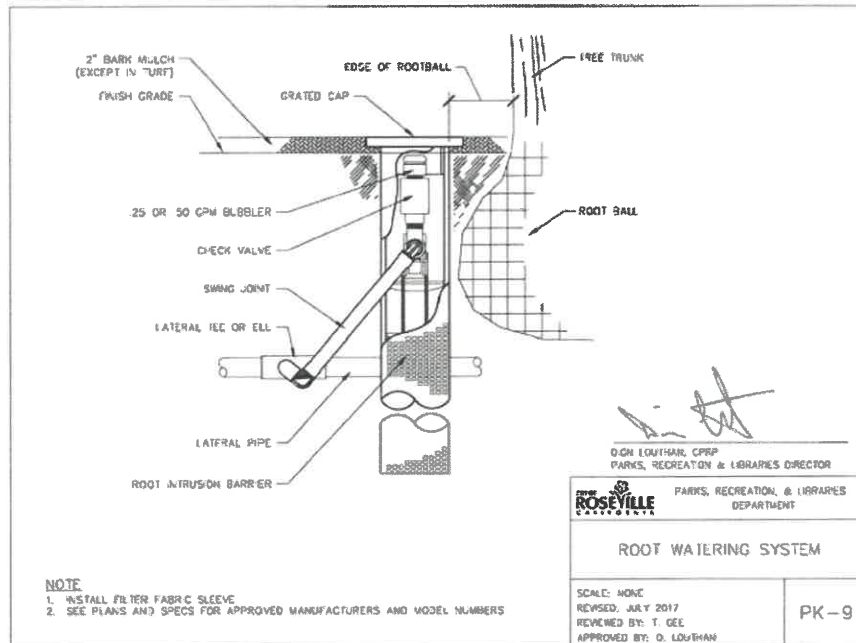
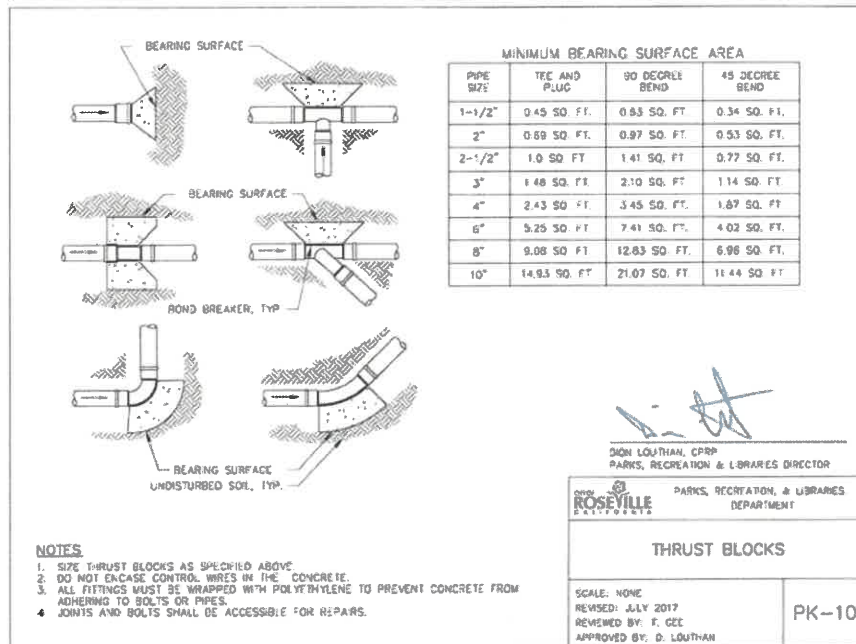
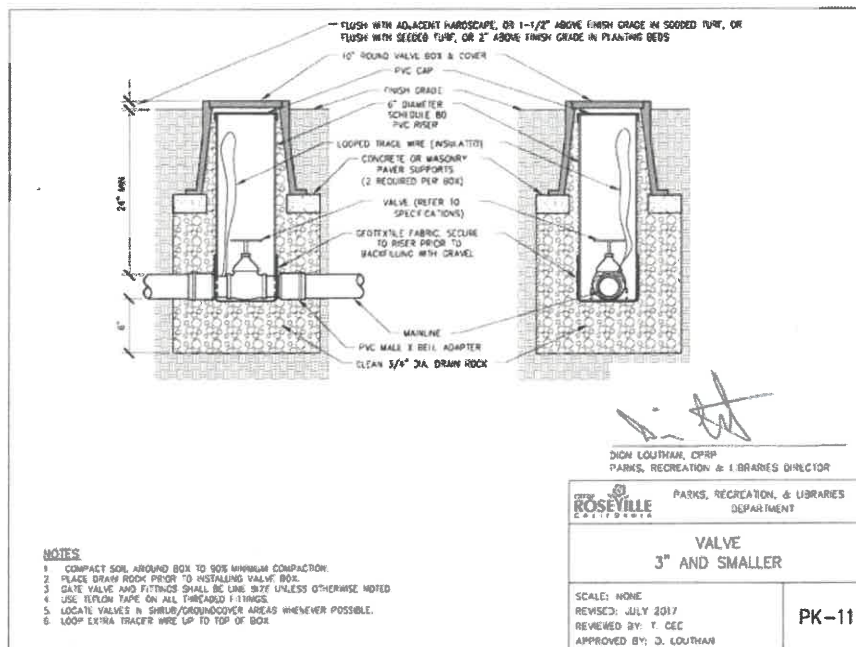
Issuances & Revisions

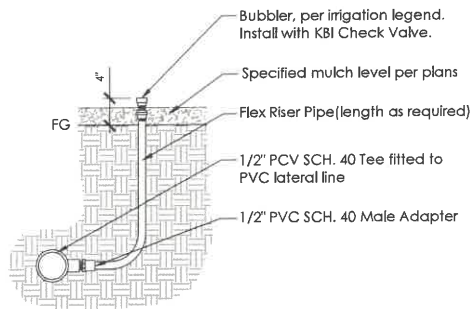
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Irrigation Details

Date: 2/19/21
Project Number: 18-1629
Scale: AS SHOWN

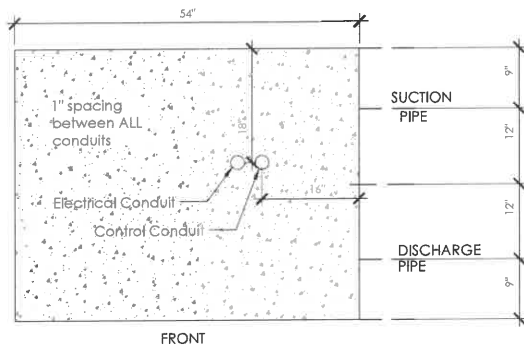
LI1.4





5 BUBBLER ON FLEX RISER

NOT TO SCALE P-PA-PF52-05



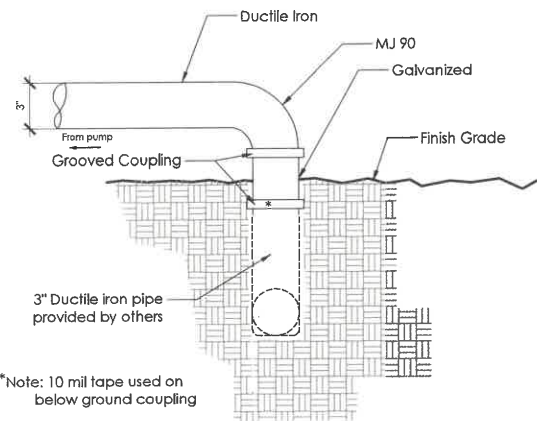
Slab dimensions with 3" apron around pump enclosure.

For permanent mounting to slab use 3/8" x 3" wedge anchors in all four corners. Anchoring holes and brackets are provided on each unit.



4 BOOSTER PUMP - SLAB DETAIL

NTS P-PA-PF52-30



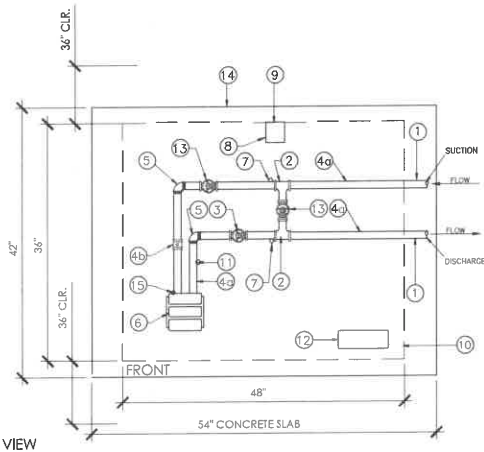
*Note: 10 mil tape used on below ground coupling

Ductile iron plumbing from the flanges above ground to the mainline by contractor.



3 BOOSTER PUMP - DROP PIPE

NTS P-PA-PF52-32



PLAN VIEW
CUSTOMFLOW REFERENCE: 100 QUAD 05242018-1 / 10 VFD

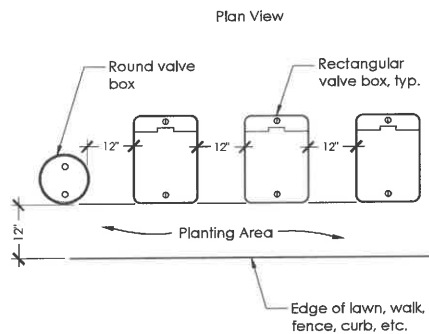
- 3" COMPANION FLANGE
- 3" GALVANIZED TEE (GROOVED)
- 2-1/2" AN 7721-3 GRUVLOK BUTTERFLY VALVE, GROOVED - FOR PUMP DISCHARGE
- 3" GALVANIZED SCHEDULE 40 GROOVED (LENGTH AS REQUIRED)
- 3" CENTRAL CHECK VALVE W/ GROOVED CONNECTION
- PUMP MODEL WITH BRONZE IMPELLER, RATED FOR 100 CFM AT 50 PSI INCREASE WITH 5 HP 3-PHASE, 3450 RPM, 230/460 ODP MOTOR.
- PRESSURE GAUGE, LIQUID FILLED (1) 160 PSI
- HOFFMAN 115 VOLT, 100 CFM AXIAL COOLING FAN
- HOODED COVER
- STEEL ENCLOSURE: TWO PIECE STEEL SIZE 48" x 36" x 40" X38", PIVOT TOP, SLANTED ROOF, POWDER COATED DARK GREEN COLOR. ALL STEEL BRACKETS AND HARDWARE.
- ELECTOR TRANSducer PA 3224 0-145 PSI
- FUJIRAPID PAK FRN01 0-20Y, 31 AMP, VFD, 60 AMP CIRCUIT BREAKER, 230 VOLT SINGLE-PHASE INPUT, THREE-PHASE OUTPUT, WITH (2) PUMP START RELAY TERMINALS, CONTROLS WITH RELAY-RESET FOR TEMPERATURE SWITCH.
- 3" AN 7721-3 GRUVLOK BUTTERFLY VALVE-BYPASS AND SUCTION.
- LEVEL CONCRETE PAD SIZE 42" X 54", 4" THICK, AND 1" ABOVE SURROUNDING GRADE. TOOL EDGES 1/2". NOTE: THE INLET/OUTLET ARE LOCATED ON THE RIGHT SIDE FACING THE FRONT. ALLOW 36" CLEARANCE IN FRONT AND REAR FOR SERVICE ACCESS.
- CUSTOM TEMPERATURE SWITCH PDNC

*NOTE: SINGLE-PHASE 230 VOLT ELECTRICAL SERVICE WITH 60-AMP BREAKER WITH GROUND AND CONTROL WIRES ARE REQUIRED. THE THREE CONDUITS AND WIRES ARE CONNECTED TO THE PANEL TERMINALS INSIDE THE ENCLOSURE. CUSTOM PUMP & POWER INC. TO PROVIDE SHOP ASSEMBLY, STARTUP, TRAINING AND OWNER'S MANUAL. PHONE: (916) 429-9729, 4 WATER REEF COURT, SACRAMENTO, CA, 95831



2 BOOSTER PUMP - DIAGRAM AND SPECIFICATION

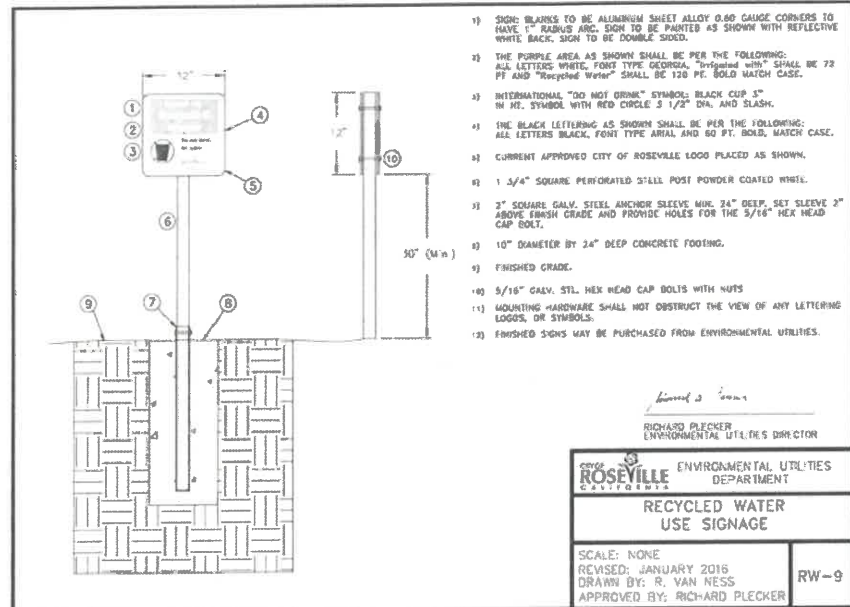
NTS P-PA-PF52-31



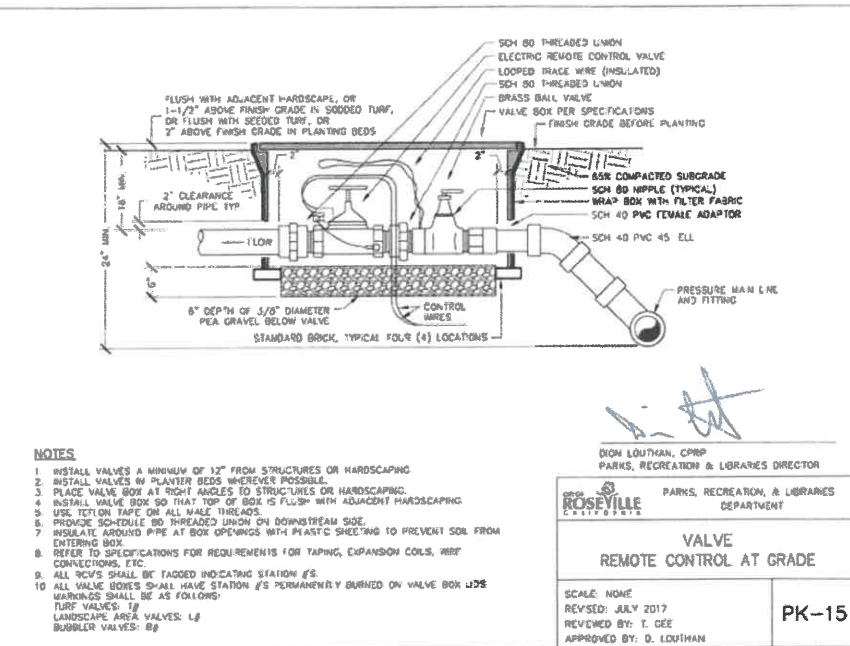
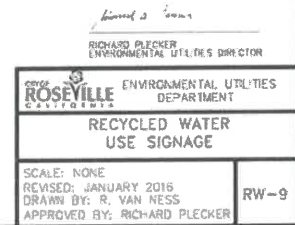
- Notes:
- Center boxes over valves.
 - Set boxes in ground cover/shrub area where possible.
 - Set boxes parallel to each other and perpendicular to edge of hardscape.
 - Valve box shall be Pantone 512 for reclaimed water.

1 VALVE BOX DETAIL

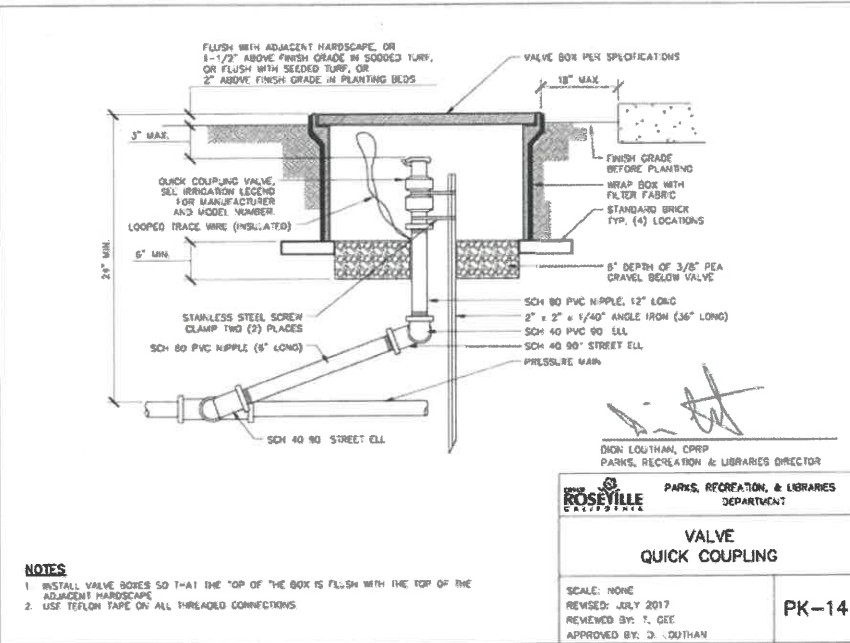
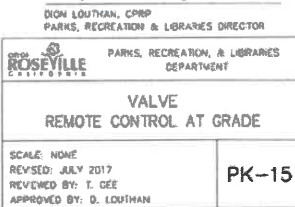
NOT TO SCALE P-PA-PF52-29



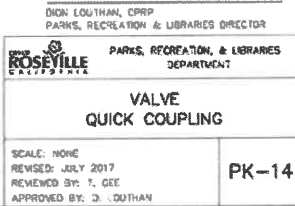
- SHO: BLANKS TO BE ALUMINUM SHEET ALLOY 0.60 GAUGE CORNERS TO HAVE 1" RADIUS ARC. SIGN TO BE PAINTED AS SHOWN WITH REFLECTIVE WHITE BACK. SIGN TO BE DOUBLE SIDED.
- THE PURPLE AREA AS SHOWN SHALL BE PER THE FOLLOWING: ALL LETTERS WHITE, FONT TYPE GEORGIA, "Recycled Water" SHALL BE 72 PT AND "Recycled Water" SHALL BE 120 PT. BOLD MATCH CASE.
- INTERNATIONAL "DO NOT DRINK" SYMBOL: BLACK CUP 1" IN HT. SYMBOL WITH RED CIRCLE 3 1/2" DIA. AND SLASH.
- THE BLACK LETTERING AS SHOWN SHALL BE PER THE FOLLOWING: ALL LETTERS BLACK, FONT TYPE ARIAL AND 80 PT. BOLD, MATCH CASE.
- CURRENT APPROVED CITY OF ROSEVILLE LOGO PLACED AS SHOWN.
- 1 3/4" SQUARE PERFORATED STEEL POST POWDER COATED WHITE.
- 3" SQUARE GALV. STEEL ANCHOR SLEEVE MIN. 24" DEEP, SET SLEEVE 2" ABOVE FINISH GRADE AND PROVIDE HOLES FOR THE 3/16" HEX HEAD CAP BOLT.
- 10" DIAMETER BY 24" DEEP CONCRETE FOOTING.
- FINISHED GRADE.
- 5/16" GALV. STL. HEX HEAD CAP BOLTS WITH NUTS
- MOUNTING HARDWARE SHALL NOT OBSTRUCT THE VIEW OF ANY LETTERING LOGOS, OR SYMBOLS.
- FINISHED SIGNS MAY BE PURCHASED FROM ENVIRONMENTAL UTILITIES.



- NOTES
- INSTALL VALVES A MINIMUM OF 12" FROM STRUCTURES OR HARDSCAPING.
 - INSTALL VALVES 4" PLANTER BEDS WHEREVER POSSIBLE.
 - PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPING.
 - INSTALL VALVE BOX SO THAT TOP OF BOX IS FLUSH WITH ADJACENT HARDSCAPING.
 - USE TEFLON TAPE ON ALL MATE THREADS.
 - PROMOTE SCHEDULE 40 THREADED UNION ON DOWNSTREAM SIDE.
 - INSULATE AROUND PIPE AT BOX OPENINGS WITH PLASTIC SHEETING TO PREVENT SOIL FROM ENTERING BOX.
 - REFER TO SPECIFICATIONS FOR REQUIREMENTS FOR TAPING, EXPANSION COILS, WIRE CONNECTIONS, ETC.
 - ALL 90'S SHALL BE TAGGED INDICATING STATION #S.
 - ALL VALVE BOXES SHALL HAVE STATION #S PERMANENTLY BURNED ON VALVE BOX JOBS.
 - WARNINGS SHALL BE AS FOLLOWS:
TURF VALVES: 1/8"
LANDSCAPE AREA VALVES: 1/8"
BUBBLER VALVES: 1/8"



- NOTES
- INSTALL VALVE BOXES SO THAT THE TOP OF THE BOX IS FLUSH WITH THE TOP OF THE ADJACENT HARDSCAPING.
 - USE TEFLON TAPE ON ALL THREADED CONNECTIONS.



Stamp



Issuances & Revisions

No. Description Date

| No. | Description | Date |
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Irrigation Details

Date: 2/7/2017
Project Number: 18-1629
Scale: AS SHOWN

LI1.5

For Council Approval
Do Not Use for Bidding

**R.G. Phillips Park
Park Site F-52**
Construction Documents 100%

1200 Old Coach Drive, Roseville, CA



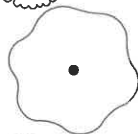
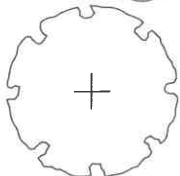
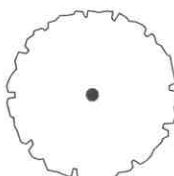
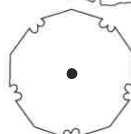




Stamp



Issuances & Revisions

| No. | Description | Date |
|-----|-------------|------|
| 24 | 1 1/2" | 6.28 |
| 25 | 2" | 19.0 |

PLANT SCHEDULE

| TREES | CODE | BOTANICAL NAME / COMMON NAME | SIZE | WATER USE | SPACING | QTY |
|---|---------|---|-----------|---------------|----------|------------|
|  | CER OCC | Cercis occidentalis / Western Redbud | 15 gal | Very Low | 10' O.C. | 23 |
|  | CHI RET | Chionanthus retusus / Chinese Fringe Tree | 15 gal | Medium | 15' O.C. | 6 |
|  | PIS KEI | Pistacia chinensis `Keith Davey` / Keith Davey Chinese Pistache | 15 gal | Low | 20' O.C. | 18 |
|  | QUE LOB | Quercus lobata / Valley Oak | 15 gal | Very Low | 40' O.C. | 29 |
|  | ULM ACC | Ulmus `Accolade` / Accolade Elm | 15 gal | Medium | 40' O.C. | 15 |
|  | ULM PRO | Ulmus propinqua `Emerald Sunshine` / Emerald Sunshine Elm | 15 gal | Medium | 30' O.C. | 5 |
| GROUND COVERS | CODE | BOTANICAL NAME / COMMON NAME | SIZE | WATER USE | SPACING | QTY |
|  | HYD | Hydroseed / 2 types, per specs | per specs | Non-Irrigated | N/A | 43,540 sf |
|  | TUR RTF | Turf from seed / RTF Fescue | seed | High | N/A | 110,042 sf |
|  | PL-101 | Bark mulch, per specs | | | | |
|  | PL-102 | 1-1/2" Rock mulch (3" Depth) | | | | |

PLANT SCHEDULE

| SHRUBS | CODE | BOTANICAL NAME / COMMON NAME | SIZE | WATER USE | SPACING | SPACING | QTY |
|---|---------|---|-------|-----------|----------|----------|-----|
|  | ACA LOW | Acacia redolens 'Lowboy' / Bank Catclaw | 5 gal | Low | 8' O.C. | 96" o.c. | 45 |
|  | ARC MIS | Arctostaphylos x 'Pacific Mist' / Pacific Mist Manzanita | 5 gal | Low | 8' O.C. | 96" o.c. | 61 |
|  | ELY CAN | Elymus condensatus 'Canyon Prince' / Canyon Prince Wild Rye | 1 gal | Low | 5' O.C. | 60" o.c. | 73 |
|  | MUH DUB | Muhlenbergia dubia / Pine Muhly | 1 gal | Low | 36" O.C. | 36" o.c. | 49 |
|  | MYO PUT | Myoporum parvifolium 'Putah Creek' / Putah Creek Myoporum | 5 gal | Low | 8' O.C. | 96" o.c. | 109 |
|  | PHL FRU | Phlomis fruticosa / Jerusalem Sage | 1 gal | Low | 4' O.C. | 48" o.c. | 59 |
|  | PHL PUR | Phlomis purpurea / Jerusalem Sage | 1 gal | Low | 4' O.C. | 48" o.c. | 38 |
|  | ROS NOA | Rosa x 'Noala' / Flower Carpet Coral Groundcover Rose | 1 gal | Medium | 36" O.C. | 36" o.c. | 8 |
|  | SAL WIN | Salvia clevelandii 'Winifred Gillman' / Cleveland Sage | 1 gal | Low | 5' O.C. | 60" o.c. | 40 |

PLANTING NOTES

1. The plant list is provided for the convenience of the Contractor. The Contractor shall verify all plant counts and if a discrepancy exists, the plan shall govern.
2. Substitution of specified plant material shall not be made unless otherwise approved by the Landscape Architect. Same genus different species substitutions are acceptable provided the variety is similar in growth habit to the specified plant and water use is the same. Example: Escallonia 'Terry' could sub for 'Red Elf'. Rhamphiolepis can not substitute for Escallonia as they have different water use requirements. Certificates of compliance will not be completed for projects which exceed the water use of specified plant materials until conformance with the water efficient landscape requirements is achieved.
3. Finish grade in planter areas shall be 3" below the top of adjacent curbs, walks or paved areas. Finish grade shall be smooth and even prior to installation of approved bark mulch, to a depth indicated in the City of Roseville Standard details, LP1.3. All landscape areas not covered with live material shall be covered with bark mulch.
4. Planting areas shall be kept clean and free from all waste materials such as concrete, asphaltic waste, lumber or other such materials. Waste materials shall be removed by excavation of the soil. Replace with clean native top soil.
5. See details and specifications for procedures, material, and installation requirements.
6. Adjacent streets, sidewalks and other areas shall be kept free of mud, dirt or similar nuisances resulting from earthwork operations.
7. Any damaged or destroyed landscaping shall be replaced to the satisfaction of the City.

QUADRIGA
landscape architecture and planning, inc
SACRAMENTO | SANTA ROSA
916.841.9124 | www.quadriga.com



CWJ - 190070
EN - 18-0892
BD -

R.G. Phillips Park
Park Site F-52
Construction Documents 100%
1200 Old Coach Drive, Roseville, CA



| Issuances & Revisions | | |
|-----------------------|-------------|------|
| No. | Description | Date |
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Planting Notes & Legend

Date: 2/27/21
Project Number: 18-1629
Scale: AS SHOWN

LP1.0

R.G. Phillips Park
Park Site F-52
Construction Documents 100%

1200 Old Coach Drive, Roseville, CA

Stamp



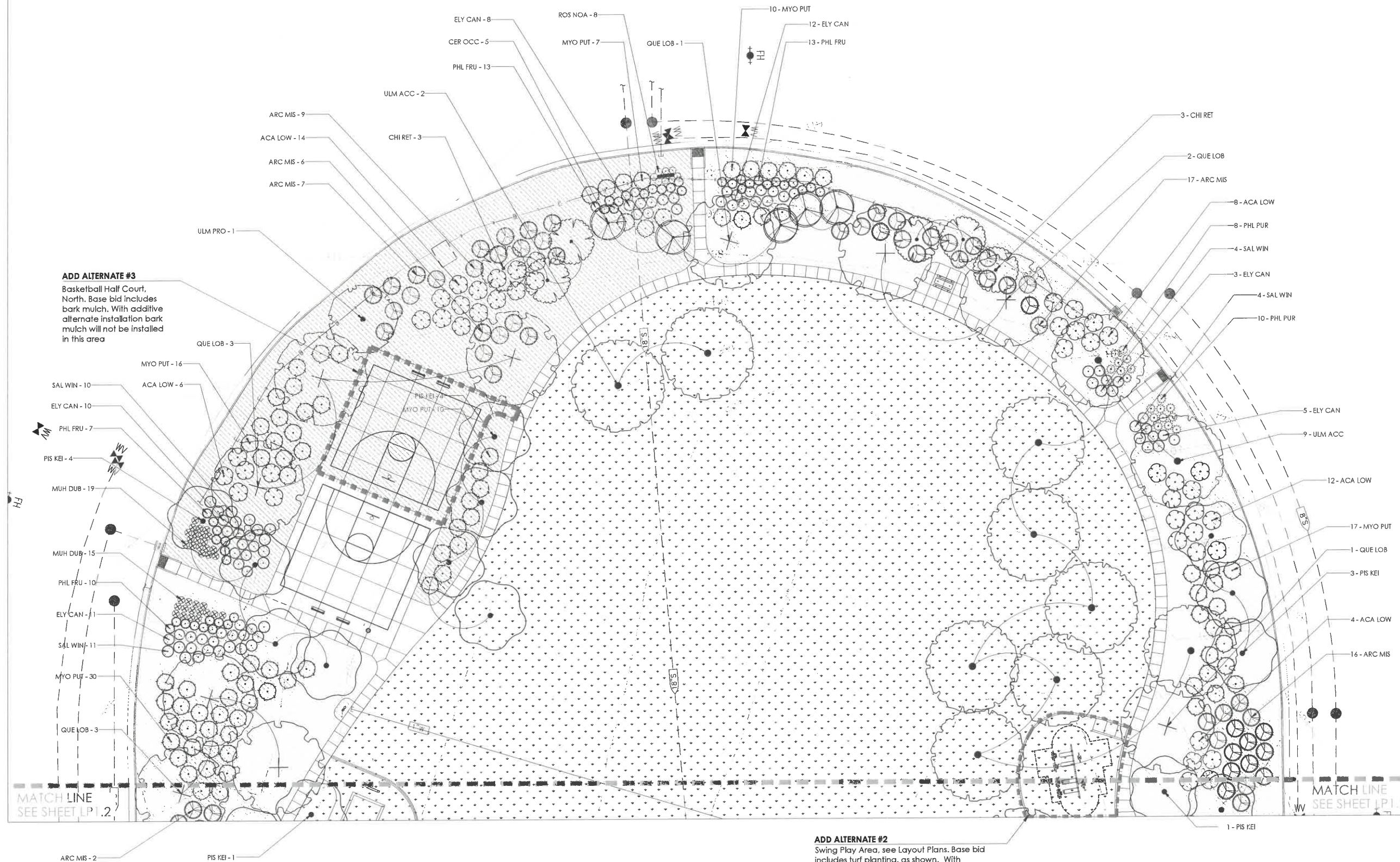
Issuances & Revisions

| No. | Description | Date |
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Planting Plan - North

Date: 2/7/21
Project Number: 18-1629
Scale: AS SHOWN

LP1.1



ADD ALTERNATE #3
Basketball Half Court,
North. Base bid includes
bark mulch. With additive
alternate installation bark
mulch will not be installed
in this area

ADD ALTERNATE #2
Swing Play Area, see Layout Plans. Base bid
includes turf planting, as shown. With
additive alternate installation, turf will not
be installed in this area

See sheet LP1.0 for notes
and legend.

0 20' 40'
Scale: 1" = 20'-0"



For Council Approval
Do Not Use for Bidding



Sunland Analytical

11419 Sunrise Gold Cycle, #10
Rancho Cordova, CA 95742
(916) 852-8557

Date Reported 04/04/2018
Date Submitted 03/30/2018

To: David Dean
Wallace-Kuhl & Assoc.
3050 Industrial Blvd
West Sacramento, CA 95691

From: Gene Oliphant, Ph.D. \ Randy Morney
General Manager \ Lab Manager

The reported analysis was requested for the following:
Location : 11817.01P Site ID : B1 @ 1 FT.
Thank you for your business.

* For future reference to this analysis please use SUN # 76542-159509.

SOIL ANALYSIS

| | | | |
|-----------------------------------|---------------|---------------|------------|
| Saturation Percent (SP) | 27 | Soil Texture | Sandy Loam |
| pH | 6.21 | | |
| S.C. | 0.15 | mmho/cm | |
| Tot. Dissolved Salts | 96 | ppm | |
| Infiltration Rate (6% Slope) | 0.75 | in/hr | |
| % Organic Matter | 3.1 | | |
| C.N.C. | 7.9 | meq/100g | |
| Sodium Absorption Ratio (SAR) | 2.1 | | |
| Exchangeable Sodium Percent (ESP) | 1.8 | | |
| Gypsum Req. (CaSO4*2H2O) | None Required | | |
| est. Nitrogen Release | 1.3 | #/1000 sq.ft. | |

| | | | |
|------------|---------|-----|--|
| Nitrate | 0.12 | ppm | |
| Phosphorus | 2.07 | ppm | |
| Potassium | 66.20 | ppm | |
| Sulfur | 2.08 | ppm | |
| Chloride | 4.01 | ppm | |
| Carbonates | 50.62 | ppm | |
| Sodium | 33.09 | ppm | |
| Calcium | 1102.94 | ppm | |
| Magnesium | 250.09 | ppm | |
| Boron | 0.16 | ppm | |
| Copper | 0.89 | ppm | |
| Iron | 97.49 | ppm | |
| Manganese | 25.06 | ppm | |
| Zinc | 0.57 | ppm | |

Very Low Adequate Excessive



Sunland Analytical

11419 Sunrise Gold Cycle, #10
Rancho Cordova, CA 95742
(916) 852-8557

DATE 04/04/2018
SUN NUMBER 159509

Information requested by:
David Dean
Wallace-Kuhl & Assoc.

Information for:
11817.01P
Sample ID: B1 @ 1 FT

SOIL RECOMMENDATIONS FOR LANDSCAPE GARDENING

SOIL pH (Acidity and Alkalinity)
The pH of this sample indicates the soil is moderately acid and should be modified for non acid-tolerant plants. Apply 13 pounds of Dolomite Lime per 1000 sq.ft. and work into ground before planting.

DISSOLVED SALTS (Indicated by S.C. & TDS)
These conditions are in the normal range for plant growth.

SOIL TEXTURE AND RATE OF WATER INFILTRATION
The infiltration rate for all soil textures decreases with increasing ground slope. At 0 to 4%, 5 to 8%, 9 to 12%, 13 to 16% and above 16% the infiltration rate of this sample decreases from 1.06 to 0.85, 0.64, 0.42, 0.27, respectively. Infiltration rate also decreases with percent of ground cover and by compaction.

WATER PENETRATION OF SOIL DUE TO CHEMICAL CHARACTERISTICS
When exchangeable Sodium increases in the soil, water penetration decreases. Based on SAR and ESP values this sample has no penetration problem due to soil Sodium. No Gypsum required.

ORGANIC MATTER
Organic matter provides a slow nitrogen release and aids water retention. This sample has a moderate Organic Matter content. To maintain moisture and provide sustained nitrogen release a level of 10% organic matter is recommended. This can be accomplished by adding 3 yards per 1000 sq.ft. of ground fir bark that is approximately 75% organic matter (i.e. typically found in ground fir bark which also has naturally low salt and boron concentrations). In California, the UNDEL ordinance requires a fixed application of four yards of COMPOST if the soil organic matter is less than 4%. However, of significant concern when applying COMPOST is the potential for the compost to have high salt, high boron content, high C to N ratio and having a highly variable pH (very high to very low). All of these COMPOST characteristics can have very negative affect on plant growth. Take care by having the compost analysed or by seeing a recent analysis of the compost to be used.



Sunland Analytical

11419 Sunrise Gold Cycle, #10
Rancho Cordova, CA 95742
(916) 852-8557

DATE 04/04/2018
SUN NUMBER 159509

Information requested by:
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Wallace-Kuhl & Assoc.

Information for:
11817.01P
Sample ID: B1 @ 1 FT

SOIL RECOMMENDATIONS FOR LANDSCAPE GARDENING

SOIL BORON

Boron concentrations are in a range allowing normal plant growth.

SOIL MICRONUTRIENTS

Micronutrients, Copper, Iron, Manganese and Zinc, in soil are present in small amounts. However, they play a necessary role in plant metabolism. Without appropriate amounts plants will not thrive. Apply the following per 1000/ sq.ft. Do not mix micronutrients during application (use a separate application for each element indicated).

Because copper, manganese and zinc are in very small amounts, dissolve (each) in 2 gallons of water and use a sprayer to obtain an even application.
Apply 0.2 # Copper Sulfate, 0.5 # Zinc Sulfate and water.

SOIL MACRONUTRIENTS : NITROGEN-PHOSPHORUS-POTASSIUM (N-P-K)

GENERAL N-P-K RECOMMENDATION

Use ONE of these NPK preparations for the first fertilizer application.

| Standard NPK Fertilizer Preparations | 4-20-20 | 5-20-10 | 16-16-16 | 0-10-10 | 28-3-4 | 21-0-0 | Customer Choice Name |
|--------------------------------------|---------|---------|----------|---------|--------|--------|----------------------|
| #/1000 sq.ft. | 21 | 15 | N/A | N/A | N/A | N/A | ** |

GRASS OR SOD PREPARATION

Till in organic matter, N,P,K and micro nutrients in addition to any lime gypsum or sulfur as directed above. Smooth soil surface and follow seed or sod producers direction for moisture and product application.

TREES AND SHRUBS

Excavate holes for planting shrubs and trees to at least twice the volume of the container. Prepare backfill for tree and shrub planting holes by mixing three parts of native soil (or imported top soil) with one part organic amendment (preferably nitrogen and iron fortified) and 3.5 pounds of 4-20-20 per yard of mix. For extended fertilization, place slow release fertilizer tablets in each hole per manufacturer's instructions. IE 4-20-20 was not directly added to backfill mix, during backfill apply uniformly 1/2 oz of 4-20-20 per gallon containers, 2.5 oz per 5 gallons, 6 oz per 24 inch boxes.



Sunland Analytical

11419 Sunrise Gold Cycle, #10
Rancho Cordova, CA 95742
(916) 852-8557

DATE 04/04/2018
SUN NUMBER 159509

Information requested by:
David Dean
Wallace-Kuhl & Assoc.

Information for:
11817.01P
Sample ID: B1 @ 1 FT

SOIL RECOMMENDATIONS FOR LANDSCAPE GARDENING

Summary and Suggested Sequence of Soil Improvements (#/1000 Sq.Ft.)

| | | |
|-------------------|-----------------|---|
| Dolomite Lime | 13 | # |
| Organic Amendment | 3 | Yd./1000 Sq.Ft. Bulk organic amendment (nitroified) or in Calif. if Org.Mat. less than 4% use 4 yd compost. |
| M-P-K Fertilizer | See above chart | |
| Micro Nutrients | | |
| Copper | 0.2 | # Copper Sulfate |
| Zinc | 0.5 | # Zinc Sulfate |
| Sulfate-Sulfur | 2 | # Ammonium Sulfate |

Maintenance Fertilization

Apply 5 pounds of Ammonium sulfate (21-0-0) per 1000 sq.ft. every month until plants become established. After established, apply 28-3-4 (or similar preparation) to provide desired growth rate and color.

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CITY OF
ROSEVILLE
CALIFORNIA
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CWJ - 190070
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R.G. Phillips Park
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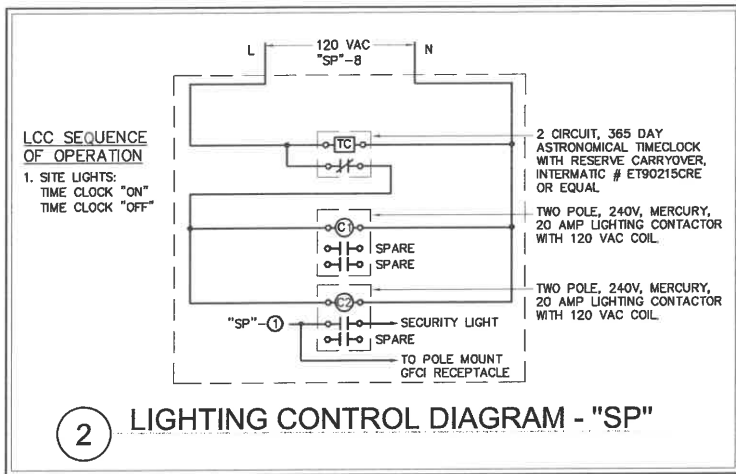
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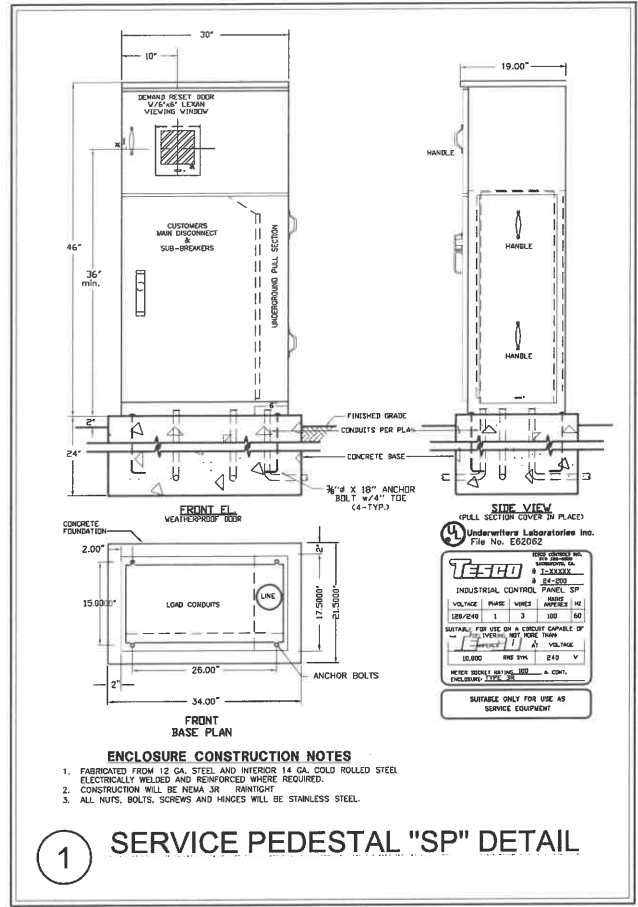


Issuances & Revisions

No. Description Date



| FIXTURE SCHEDULE | | | | | | |
|------------------|---|--|-------|--------|----|--------------------------------------|
| TAG | DESCRIPTION | MANUFACTURER | VOLTS | LAMPS | VA | REMARKS |
| A | POST TOP MOUNTED LED LUMINAIRE SYMMETRICAL DISTRIBUTION | HADCO # RL54-B-B-N-N-1-A-W-N-N-N-A-2-N-N-N-N-SP1 | 120 | 64 LED | 39 | 16FT POLE # RT34-16-BLK-DE -TXT30-30 |

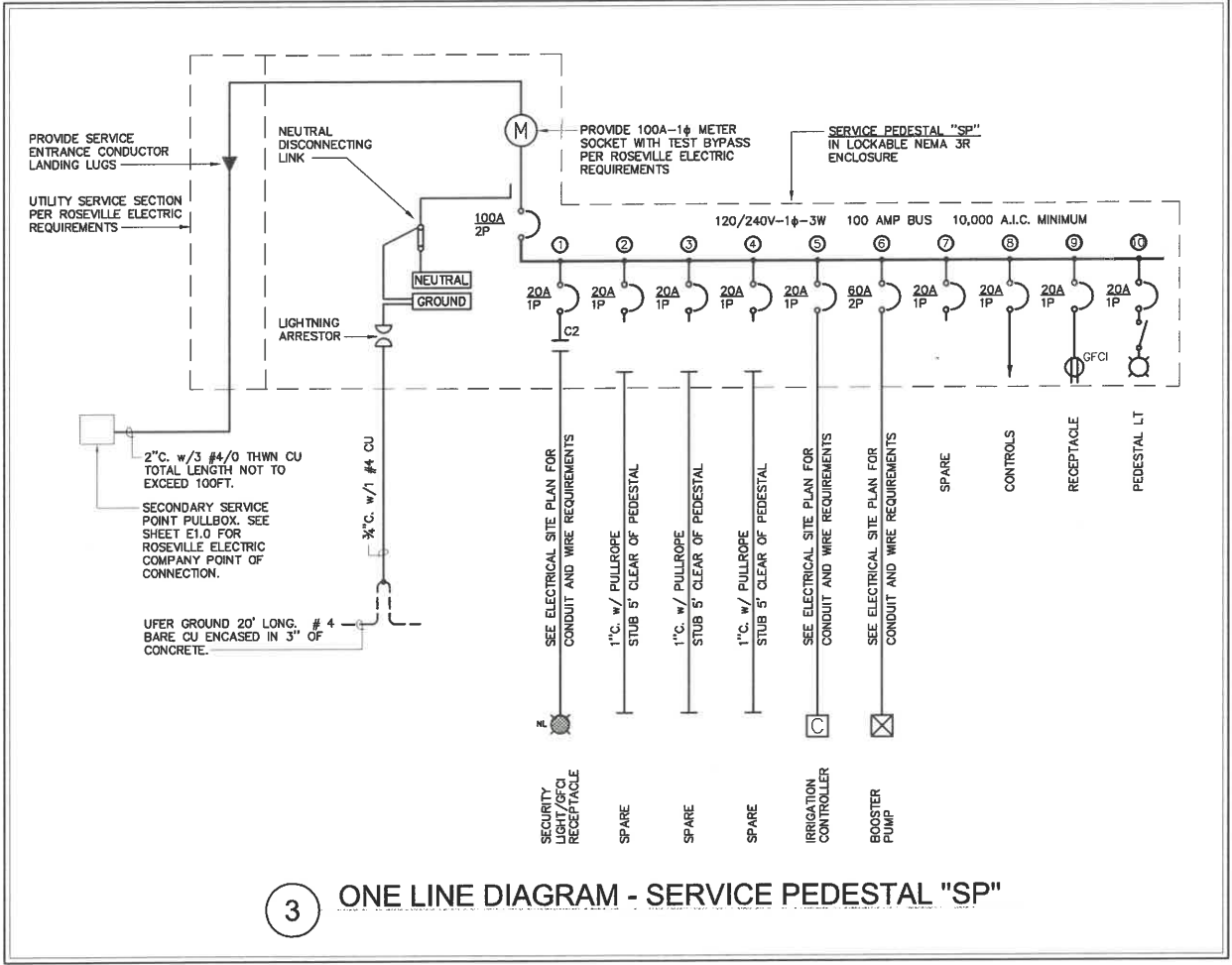


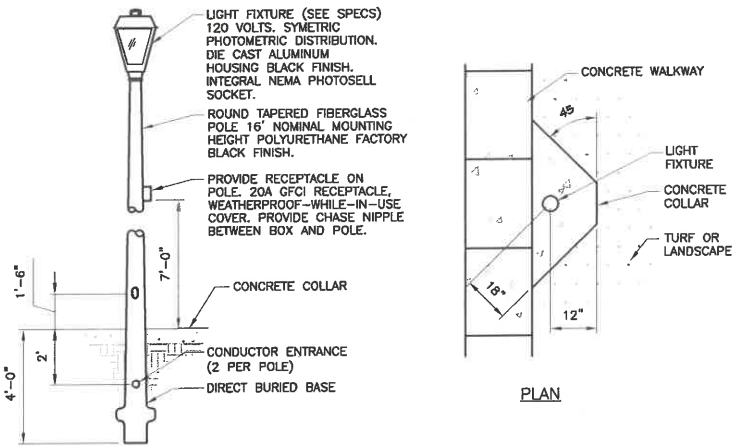
| ELECTRICAL ABBREVIATIONS | |
|--------------------------|--|
| SYMBOL | DESCRIPTIONS |
| A/AMP | AMPERES |
| AC | ALTERNATING CURRENT |
| AFF | ABOVE FINISHED FLOOR |
| AFC | ABOVE FINISHED CEILING |
| AFG | ABOVE FINISHED GRADE |
| AIC | AMPERES INTERRUPTING CAPACITY (SYMMETRICAL) |
| C | CONDUIT |
| CCT | CIRCUIT |
| CKT | CIRCUIT |
| DC | DIRECT CURRENT |
| (E) | EXISTING TO REMAIN |
| EC | EMPTY CONDUIT |
| EM | EMERGENCY |
| EMT | ELECTRICAL METALLIC TUBING |
| FACP | FIRE ALARM CONTROL PANEL |
| FLA | FULL LOAD AMPS |
| FLEX | FLEXIBLE METALLIC CONDUIT |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER |
| GND/G | GROUND |
| HP | HORSEPOWER |
| IG | ISOLATED GROUND |
| J-BOX | JUNCTION BOX |
| KVA | KILOVOLT-AMPS |
| KW | KILOWATTS |
| LTG | LIGHTING |
| MCA | MINIMUM CIRCUIT AMPACITY |
| MCB | MAIN CIRCUIT BREAKER |
| MLO | MAIN LUGS ONLY |
| MTD | MOUNTED |
| (N) | NEW |
| N | NEUTRAL CONDUCTOR (GROUNDED CIRCUIT CONDUCTOR) |
| N.I.E.S. | NOT IN ELECTRICAL SCOPE OR SPECIFICATIONS |
| NL | NIGHT LIGHT |
| PH/P | PHASE OR POLE |
| PNL | PANELBOARD |
| PVC | POLYVINYL CHLORIDE CONDUIT (SCHEDULE 40) |
| (R) | RELOCATE/RELOCATED |
| RECEP | RECEPTACLE |
| RSC | RIGID GALVANIZED STEEL CONDUIT |
| U | UNSWITCHED |
| UNO | UNLESS NOTED OTHERWISE |
| V | VOLTS |
| W | WATTS |
| WP | WEATHERPROOF |
| WPU | WEATHERPROOF WHILE IN USE |
| (X) | REMOVE |
| XFMR | TRANSFORMER |

| ELECTRICAL SHEET INDEX | |
|------------------------|--|
| SHEET NO. | SHEET TITLE |
| E0.1 | SYMBOL LEGEND, ABBREVIATIONS, ONE LINE DIAGRAM, DETAILS, DRAWING INDEX AND NOTES |
| E1.0 | OVERALL ELECTRICAL SITE PLAN |
| E1.1 | ENLARGED ELECTRICAL SITE PLAN |
| E2.1 | TITLE 24 OUTDOOR COMPLIANCE FORMS |
| E2.2 | TITLE 24 OUTDOOR COMPLIANCE FORMS |

| SYMBOL LEGEND | |
|---|---|
| ⊙ | POST TOP MOUNTED SECURITY LIGHT |
| ⊞ | LANDSCAPE CONTROLLER |
| ① | NOTE DESIGNATION |
| ⌚ | TIME CLOCK |
| ⊞ | CONTROL EQUIPMENT, N.I.E.S., CONNECT AS REQUIRED |
| ⊞ | FUSED DISCONNECT SWITCH |
| ⊞ | ELECTRICAL PULLBOX |
| — | CONDUIT HOMERUN TO SERVICE PEDESTAL |
| — | CONDUIT RUN CONCEALED 24" MIN. BELOW FINISHED GRADE |
| — | BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 WIRE CIRCUIT |
| — | ADDITIONAL NO. OF #12: —, 3 #12: —, 2 #12 & 1 #12 GND: —, 5 #12 & 1 #12 GND: —, ETC. OTHER WIRE SIZES: —, 2 #10 & 1 #12 GND: —, 3 #4 & 1 #8 GND: A LONGER HASH MARK DENOTES A NEUTRAL — |
| C. | CONDUIT, PVC SCHEDULE 40 |
| MT | EMPTY CONDUIT WITH 1/4" POLY PULLROPE |
| CU | COPPER |
| WP | WEATHERPROOF |
| NOTE: SYMBOLS INDICATED ABOVE MAY NOT NECESSARILY APPEAR AS PART OF THESE DRAWINGS IF NOT REQUIRED. | |

| GENERAL NOTES | |
|--|--|
| ALL GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED. | |
| 1. | THE ELECTRICAL SPECIFICATIONS DIVISION 26 ARE AN INTEGRAL PART OF THE ELECTRICAL CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL INFORMATION PROVIDED IN BOTH THESE DRAWINGS AND THE ASSOCIATED ELECTRICAL SPECIFICATIONS PRIOR TO PREPARING A BID FOR THE ELECTRICAL WORK AND SHALL AFFIRM HAVING DONE SO BY THE SUBMISSION OF A BID FOR STATED WORK. |
| 2. | FURNISH AND INSTALL ALL NECESSARY LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO INSTALL COMPLETE AND OPERATIONAL ELECTRICAL SYSTEMS ACCORDING TO THE INTENT OF THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS WHETHER ITEMIZED OR NOT. |
| 3. | EXAMINE THE DRAWINGS FOR IRRIGATION EQUIPMENT AND PROVIDE STARTERS, CIRCUIT BREAKERS, SWITCHES, PUSH BUTTONS AND APPURTENANCES WHICH ARE NOT SPECIFIED TO BE WITH THE IRRIGATION EQUIPMENT. ERECT ALL ELECTRICAL EQUIPMENT NOT DEFINITELY STATED TO BE ERECTED BY OTHERS, FURNISH AND INSTALL CONDUIT WIRE AND CABLE AND MAKE CONNECTIONS REQUIRED TO PLACE ALL EQUIPMENT IN COMPLETE OPERATION. |
| 4. | THE ELECTRICAL CONTRACTOR SHALL HAVE THOROUGHLY EXAMINED THE SITE AND FAMILIARIZED HIMSELF WITH THE EXISTING CONDITIONS, AND SHALL HAVE MADE ALLOWANCE THEREFORE IN PREPARING HIS PROPOSAL. HE SHALL VERIFY EXISTING CONDITIONS, PULL BOXES, ELECTRICAL DISTRIBUTION SYSTEMS AND DEMOLITION REQUIREMENTS PRIOR TO SUBMITTING A BID. |
| 5. | IN THE EVENT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE DRAWINGS, THE ELECTRICAL CONTRACTOR SHALL BID NEW CONDITIONS, WIRES AND NECESSARY EQUIPMENT IN ORDER TO COMPLETE THE JOB AND PROVIDE A FULLY OPERABLE AND ACCEPTABLE SYSTEMS. EXTRAS WILL NOT BE ALLOWED FOR WORK NOT INDICATED OR NOTED ON THE DRAWINGS WHEN SUCH WORK IS APPARENT FROM AN INSPECTION OF THE PREMISES AT THAT TIME. |
| 6. | ALL CONDUCTORS & PANELBOARD BUSSING FOR THIS PROJECT SHALL BE COPPER UNO. ALL CONDUCTORS SHALL BE IN CONDUIT. |
| 7. | PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR PANELBOARDS, SERVICE PEDESTAL AND DISTRIBUTION CIRCUIT BREAKERS, WHITE LETTERS, 1/2" HEIGHT ON BLACK BACKGROUND. SCREW ATTACH LABELS TO EQUIPMENT WITH TWO OVAL HEAD SCREWS. |
| 8. | ALL MATERIALS USED ON THIS PROJECT SHALL BE LISTED AND BEAR THE LABEL OF UNDERWRITERS LABORATORIES AND APPROVED FOR ITS INTENDED USE. |
| 9. | ELECTRICAL WORK SHALL COMPLY WITH THE LATEST ENACTED EDITIONS OF THE NEC AND ALL APPLICABLE STATE AND LOCAL CODES AND STANDARDS. |
| 10. | REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR ALL DIMENSIONS. DO NOT SCALE FROM ELECTRICAL DRAWINGS. |
| 11. | INSTALL A 3/16" POLYPROPYLENE PULL LINE IN ALL EMPTY CONDUITS. UNO. |
| 12. | ALL EQUIPMENT EXPOSED TO WEATHER CONDITIONS SHALL BE WEATHERPROOF, NEMA RATED AS REQUIRED PER NEMA & U.L. STANDARDS UNO. |
| 13. | REFER TO ONE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZE TO PANELS. CONDUIT RUNS MAY NOT BE SHOWN ON DRAWINGS, BUT ARE PART OF THIS CONTRACT. |
| 14. | ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND NEC 110.3(B). |
| 15. | ALL MOTOR CIRCUITS AND OVERCURRENT PROTECTION ARE TO COMPLY WITH MANUFACTURER'S NAMEPLATE RATING AND NEC 430. |
| 16. | ELECTRICAL CONTRACTOR SHALL PROVIDE ALL FINAL RUNS AND CONNECTIONS TO EQUIPMENT. |
| 17. | WORKMANSHIP SHALL BE OF THE HIGHEST GRADE. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE APPROVAL OF THE OWNER. |
| 18. | ALL RACEWAYS AND CONDUITS SHALL HAVE A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR COLOR GREEN, SIZED IN CONFORMITY WITH NEC TABLE 250.122. |
| 19. | DO NOT SCALE ELECTRICAL PLANS FOR EQUIPMENT LOCATIONS. USE FIGURED DIMENSIONS IF GIVEN OR CHECK CIVIL AND LANDSCAPE PLANS. |





SECTION

NOTES

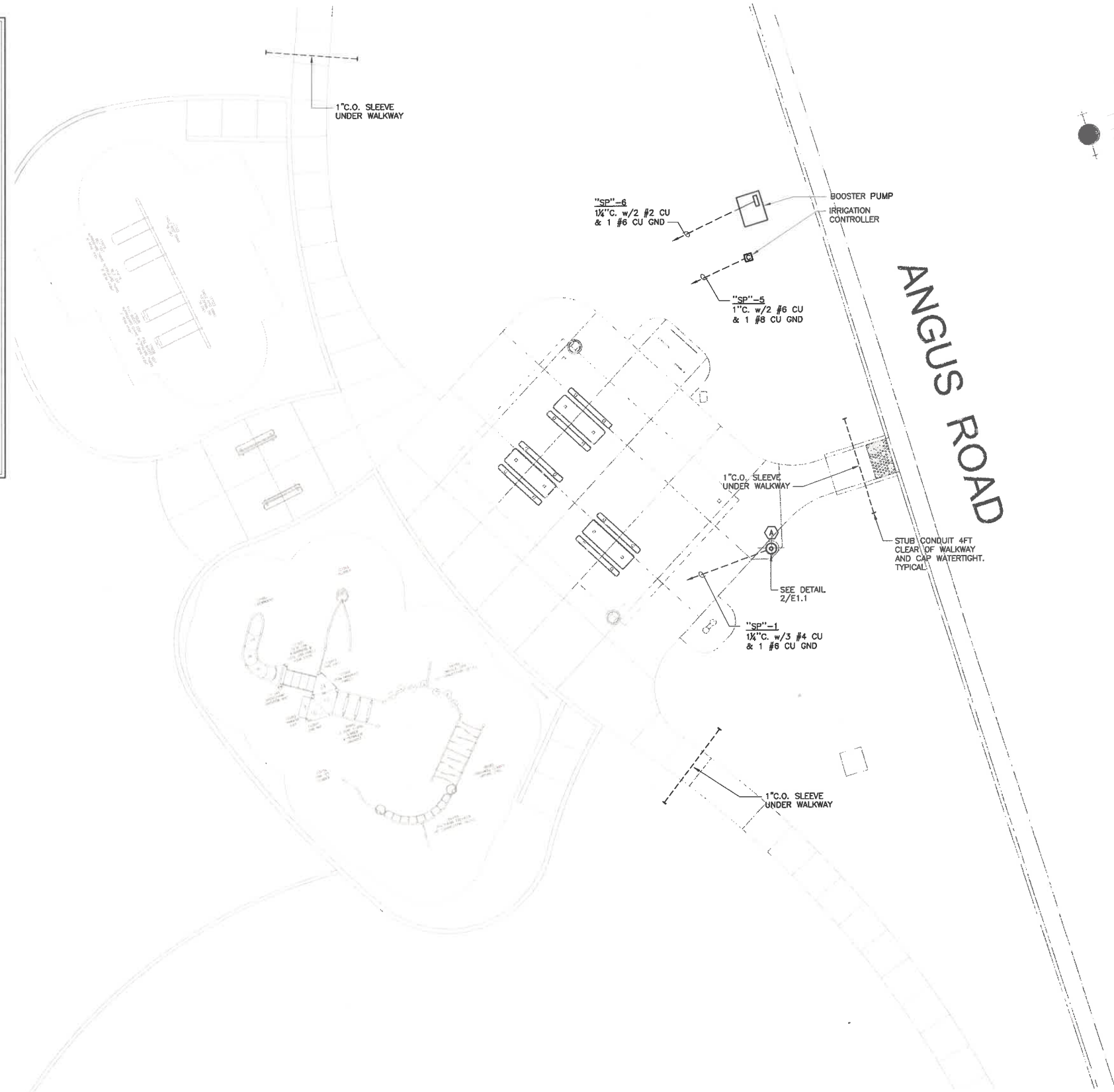
1. INCLUDE MANUAL BYPASS IN POWER PEDESTAL FOR MANUAL OVERRIDE.

2 SECURITY LIGHT WITH CONCRETE COLLAR DETAIL
NO SCALE

UTILITIES SERVICE AND UNDERGROUND TRENCHING NOTES

1. THESE PLANS HAVE BEEN PREPARED WITHOUT UTILITY COMPANIES COMMITMENTS. LP CONSULTING ENGINEERS, INC. ACCEPTS NO RESPONSIBILITY AND SHALL NOT INCUR ANY COSTS DUE TO CHANGES IN SERVICE REQUIREMENTS BY THE UTILITY COMPANIES.
2. CONTRACTOR SHALL COORDINATE SPECIFIC REQUIREMENTS WITH THE UTILITY COMPANIES AS FOLLOWS:
A. POWER COMPANY:
ROSEVILLE ELECTRIC, 2090 HILLTOP CIR, ROSEVILLE, CA. 95747
REPRESENTATIVE: JEFF WILCOX, (916) 746-1661
3. CONTRACTOR SHALL CALL THE ROSEVILLE ELECTRIC REPRESENTATIVE TO ATTEND PRE-CONSTRUCTION MEETING.
4. CONTRACTOR SHALL PROTECT ANY APPLICABLE EXISTING STREET LIGHTING, UTILITY POLES, OVERHEAD LINES, UNDERGROUND WIRING, AND UTILITY PULLBOXES DURING CONSTRUCTION.
5. CONTRACTOR IS RESPONSIBLE FOR ON-SITE AND OFF-SITE IMPROVEMENTS AND TO COORDINATE POWER CONNECTIONS WITH ROSEVILLE ELECTRIC.
6. POWER SERVICE:
A. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ROSEVILLE ELECTRIC FOR ALL ASPECTS OF THIS PROJECT INCLUDING ARRANGING FOR TEMPORARY CONSTRUCTION POWER, SCHEDULING INSPECTIONS, AND OBTAINING SIGN-OFFS, SCHEDULING RELOCATION AND REMOVAL OF UTILITY EQUIPMENT, INSTALLING UTILITY EQUIPMENT AND INFRASTRUCTURE, AND SCHEDULING FINAL CONNECTION SERVICES. CONTRACTOR SHALL BE AWARE THAT ROSEVILLE ELECTRIC REQUIRES EXTENSIVE ADVANCE NOTIFICATION AND SHOULD SCHEDULE ALL WORK ACCORDINGLY. CONTRACTOR SHALL NOT MAKE ANY CLAIMS FOR TIME DELAY DUE TO ANY ROSEVILLE ELECTRIC WORK ASSOCIATED WITH THIS PROJECT.
B. ROSEVILLE ELECTRIC POWER SERVICE LINES SHALL NOT BE INSTALLED IN THE SAME TRENCH AS ANY WET UTILITIES.
7. UNDERGROUND TRENCHING:
A. USE EXTREME CAUTION WHEN DIGGING TO AVOID BURIED ELECTRICAL CABLES. CALL UNDERGROUND SERVICE ALERT (U.S.A.) 800-227-2600, 48 HOURS BEFORE DIGGING
B. BEFORE START OF ANY UNDERGROUND TRENCHING FOR CONDUIT RUNS, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ALL PLANS OF OTHER TRADES (ARCHITECTURAL, CIVIL, LANDSCAPE), AND SITE CONDITIONS TO AVOID CONFLICT.
C. TRENCHING AND BACKFILLING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. COORDINATE WITH CIVIL, LANDSCAPE, AND ARCHITECTURAL SITE PLAN PRIOR TO THE TRENCHING, ETC. AND THE INSTALLATION OF THE ELECTRICAL SYSTEM.
D. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC, UL LISTED FOR DIRECT BURIAL, AND TERMINATED WITH FACTORY END BELL FITTINGS. ALL ELBOWS, BENDS AND TURNS TRANSITIONING TO GRADE SHALL BE INSTALLED USING PER MANUFACTURED 40-MIL. PVC COATED GALVANIZED STEEL ELBOWS AND OFFSETS.
E. ALL UNDERGROUND SERVICE CONDUITS SHALL BE SEALED TO COMPLY WITH NEC 230.8.
F. PROVIDE 24" MINIMUM COVERAGE FOR UNDERGROUND CONDUITS, UNLESS OTHERWISE NOTED. THE EXCEPTION IS FOR ROSEVILLE ELECTRIC SERVICE CONDUITS WHICH SHALL HAVE A 36" MINIMUM BURIAL DEPTH AND BE INSTALLED WITH A RED OXIDE CONCRETE CAP. TRENCHES SHALL ALL BE INSTALLED WITH A RED POLYETHYLENE WARNING RIBBON LABELED "ELECTRICAL", LOCATED 8" BELOW GRADE IN THE TRENCH.
G. PROVIDE UNDERGROUND TRACER WHERE NON-METAL CONDUITS ARE INSTALLED.
H. PROVIDE PARTEX IDENTIFICATION TAGS TO IDENTIFY UNDERGROUND CIRCUITS.
I. ALL UNDERGROUND SPLICES SHALL BE MADE WATERPROOF BY PROVIDING WITH "SPlice-KOTE" SPLICE KITS OR OTHER ACCEPTED METHODS. ALL FUSEHOLDERS SHALL BE WATERTIGHT.
J. ALL UNDERGROUND RACEWAYS SHALL BE PROVIDED WITH A #10 AWG MINIMUM SIZE COPPER EQUIPMENT GROUNDING CONDUCTOR, WHETHER SHOWN ON PLAN OR NOT, UNLESS OTHERWISE NOTED.
K. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT TO REPAIR AND REPLACE ANY AND ALL DAMAGES TO EXISTING POC WALKS, AC PAVING, UTILITIES, TREES, TURF, PLANTED AREAS, AND OTHER FACILITIES RESULTING FROM THIS PROJECT. WHEN CUTTING OR TRENCHING THROUGH EXISTING CONCRETE SIDEWALKS, DRIVEWAYS, AND WALKWAYS, THE CONTRACTOR SHALL BE REQUIRED TO COMPLETELY REPLACE ENTIRE SECTIONS OF CONCRETE PANELS FROM SCOREMARK TO SCOREMARK AFFECTED BY THE CONSTRUCTION WORK. ALL SIDEWALKS, DRIVEWAYS, AND WALKWAYS SHALL BE REPLACED TO MATCH ADJACENT CONDITION AND AS DIRECTED BY THE ARCHITECT.

1 ENLARGED ELECTRICAL SITE PLAN
SCALE 1/8" = 1'-0"



QUADRIGA
landscape architecture and planning, inc.
SACRAMENTO | SANTA ROSA
916.441.2129 | www.quadrigo-lap.com



CWJ -
EN -
BD -

R.G. Phillips Park
Park Site F-52
99% Construction Documents
1200 Old Coach Drive, Roseville, CA



| Issuances & Revisions | | |
|-----------------------|-------------|------|
| No. | Description | Date |
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ENLARGED
ELECTRICAL
SITE PLAN

Date: 2/29/21
Project Number: 18-1629
Scale: AS SHOWN

E1.1

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Outdoor Lighting Controls
PARK SITE F-52
01/21/2019

A. Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- ☒ Lighting shall be controlled by self-contained lighting control devices which are limited to the energy Commission according to Title 20 Appliance Efficiency Regulations in accordance with §130.3(d).
- ☒ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §130.9. An installation certificate shall be submitted in accordance with §130.4(b).
- ☒ All lighting controls and management devices comply with the applicable requirements of §130.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.9(d).
- ☒ Two Night Outdoor Lighting Controls, as defined in Section 130.1(b), shall meet the requirements in Section 130.3(b).
- ☒ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☒ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and glare requirements in accordance with Section 130.2(b).
- ☒ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time switch control or other control capable of automatically switching off in accordance with Section 130.2(c).
- ☒ All installed outdoor lighting shall be controlled independently from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c).
- ☒ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c).
- ☒ For Outdoor Signs, Marquees, or Automatic Lighting Controls shall be installed in accordance with Section 130.2(c).
- ☒ For Building Facades, Ornamental Landscaping and Outdoor Design Lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c).
- ☒ Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4(d). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Appendix A-2.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Outdoor Lighting Controls
PARK SITE F-52
01/21/2019

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

| Outdoor Lighting Control Schedule | Standards Complied With (if all that apply or leave empty if exempt) | Field Inspection | | | | | | | | |
|---|---|------------------|----|----|----|----|----|----|----|----|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 |
| Location and Application of Luminaires Being Controlled | Type/Description of Lighting Control (e.g., photocontrol, outdoor astronomical time switch control, automatic scheduling control, etc.) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| SECURITY LIGHT BY PICNIC TABLES IN PARK | ASTRONOMICAL TIME-SWITCH CONTROL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Outdoor Lighting Controls
PARK SITE F-52
01/21/2019

DECLARATION AUTHORITY'S DECLARATION STATEMENT

I, the undersigned, hereby declare that the information provided on this Certificate of Compliance is true and correct.

DECLARATION AUTHORITY'S INFORMATION

Name: KEN RUBITSKY
Firm: LP CONSULTING ENGINEERS, INC.
Address: 1209 PLEASANT GROVE BLVD.
City: ROSEVILLE, CALIFORNIA 95678
Phone: 916-771-0778

DECLARATION AUTHORITY'S SIGNATURE

Signature: [Signature]
Date: 01/21/2019

DECLARATION AUTHORITY'S INFORMATION

Name: KEN RUBITSKY
Firm: LP CONSULTING ENGINEERS, INC.
Address: 1209 PLEASANT GROVE BLVD.
City: ROSEVILLE, CALIFORNIA 95678
Phone: 916-771-0778

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Outdoor Lighting Controls
PARK SITE F-52
01/21/2019

C. Outdoor Lighting Schedule and Field Inspection Energy Checklist

| Location | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
|----------------|----|----|----|----|----|----|----|----|----|
| Name or Symbol | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Location | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Name or Symbol | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
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| Location | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Name or Symbol | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Location | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Name or Symbol | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Location | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Name or Symbol | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
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| Location | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Name or Symbol | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Location | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Name or Symbol | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Location | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Name or Symbol | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Location | 01 | 02 | 03 | 04 | | | | | |

R.G. Phillips Park
Park Site F-52
99% Construction Documents
1200 Old Coach Drive, Roseville, CA

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(Blank lined area for notes)

Date: 21/01/21
Project Number: 18-1629
Scale: AS SHOWN



LP
**CONSULTING
ENGINEERS**

1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.Ipenglneers.com
Job #: 17-2263

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PROJECT NAME: R.G. PHILLIPS PARK

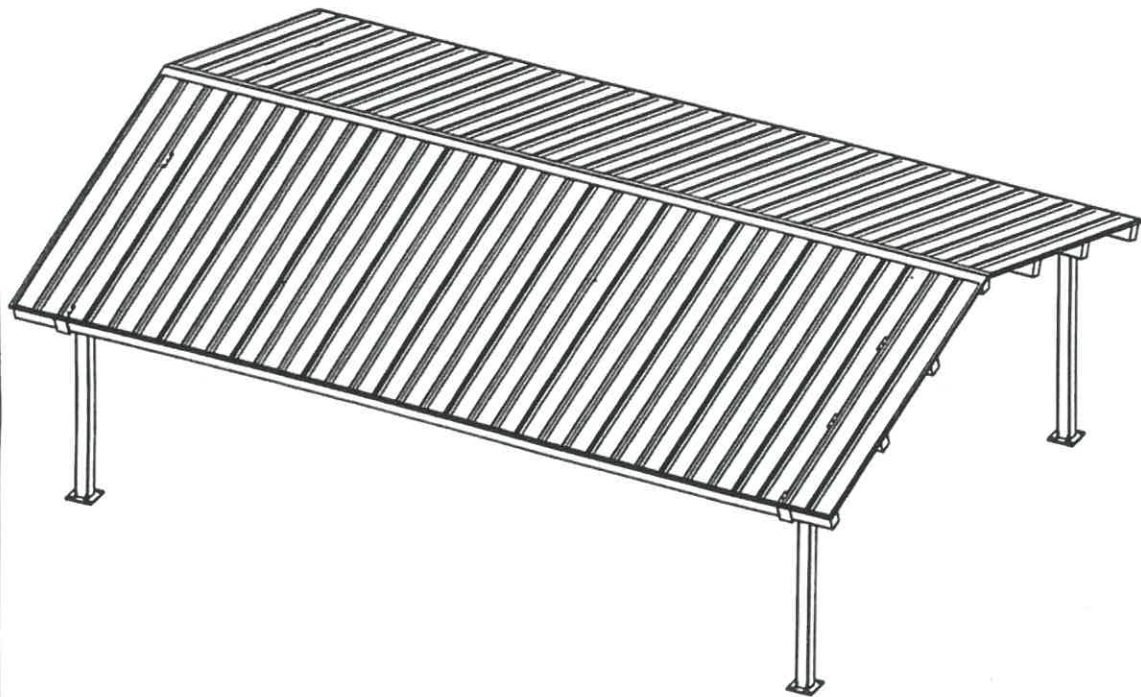
PROJECT LOCATION: ROSEVILLE, CA

BUILDING TYPE: REK 24X34

ROOF TYPE: MULTI-RIB

BUILDING NUMBER: 17987

ORDER NUMBER: 62689



DRAWING LIST:

| SHEET NUMBER | DRAWING DESCRIPTION |
|--------------|-------------------------------------|
| CS | COVER SHEET |
| 1 | ARCHITECTURAL ELEVATIONS |
| 2-2.1 | ANCHOR AND FOOTING LAYOUT / DETAILS |
| 3 | STRUCTURAL FRAMING PLAN |
| 4-4.1 | FRAME CONNECTION DETAILS |
| 5-5.1 | ROOF LAYOUT |
| 6-6.1 | ROOF CONNECTION DETAILS |

MANUFACTURER NOTES:

MATERIALS:

| DESCRIPTION | ASTM DESIGNATION |
|------------------------|------------------|
| TUBE STEEL | A500 (GRADE B) |
| SCHEDULE PIPE | A53 (GRADE B) |
| RMT PIPE | A519 |
| LIGHT GAGE COLD FORMED | A1003 (GRADE 50) |
| STRUCTURAL STEEL PLATE | A36 |
| ROOF PANELS (STEEL) | A653 |
| ANCHOR BOLTS | SEE SHEET 2.1 |

GENERAL NOTES:
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLIGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS AND FINAL INSTALLATION INSTRUCTIONS INCLUDED WITH THE STRUCTURE FOR POSSIBLE SUBSTITUTIONS AND IMPROVEMENTS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

FABRICATOR APPROVALS:
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SP06-0033
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CLARK COUNTY, NV APPROVED FABRICATOR #264
STATE OF UTAH APPROVED FABRICATOR 02008-14

CERTIFICATES:
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 16-1025.01
PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

DESIGN CRITERIA:

GENERAL:
2016 CALIFORNIA BUILDING CODE
RISK CATEGORY: II

DEAD LOAD:
ROOF DEAD LOAD: 2 PSF
FRAME DEAD LOAD: SELF WEIGHT

LIVE LOAD:
ROOF LIVE LOAD: 20 PSF

SNOW DESIGN DATA:
GROUND SNOW LOAD (Pg): 0 PSF
FLAT ROOF SNOW LOAD (Pf): 0 PSF
SNOW EXPOSURE FACTOR (Ce): 1.0
SNOW LOAD IMPORTANCE FACTOR (Is): 1.0
THERMAL FACTOR (Ct): 1.2

WIND DESIGN DATA:
BASIC WIND SPEED (V): 115 MPH
GUST EFFECT FACTOR (G): 0.85
INTERNAL PRESSURE COEFFICIENT (GCpi): 0
WIND EXPOSURE: C

SEISMIC DESIGN DATA:
STEEL ORDINARY CANTILEVER
COLUMN SYSTEMS
SEISMIC IMPORTANCE FACTOR (Ie): 1.0
SEISMIC DESIGN CATEGORY: D
SEISMIC SITE CLASS: D
SEE CALCULATIONS FOR ADDITIONAL DATA

ADDITIONAL CRITERIA:
NONE



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Do Not Use for Bidding

PROJECT: R.G. PHILLIPS PARK

PROJECT LOCATION: ROSEVILLE, CA

DRAWING: COVER SHEET

CREATION DATE: 5/27/2016

BUILDING NO: 17987

CAD MODEL: ~17987

PRINT DATE: 8/7/2018

SCALE: 1:64

REV LEVEL: A

DRAWN BY:

REV:

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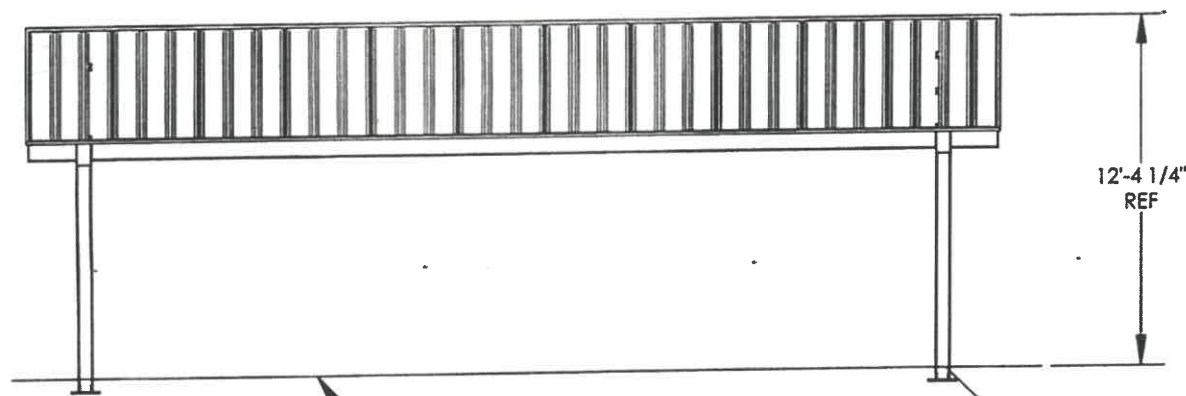
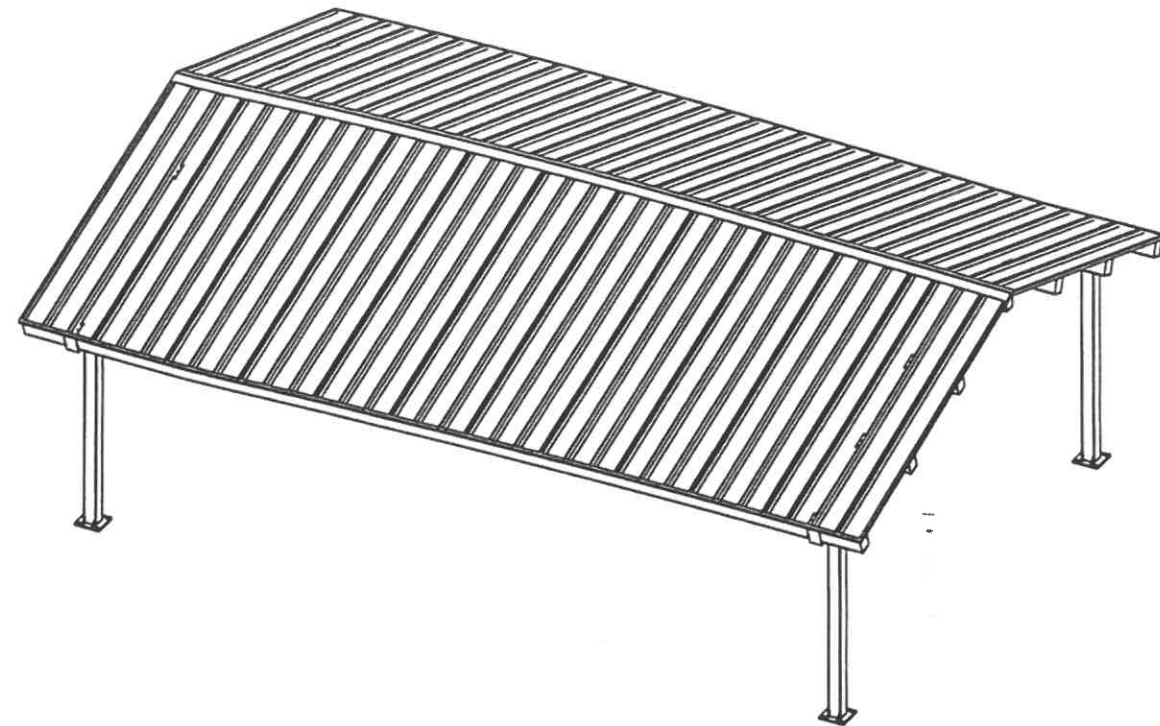
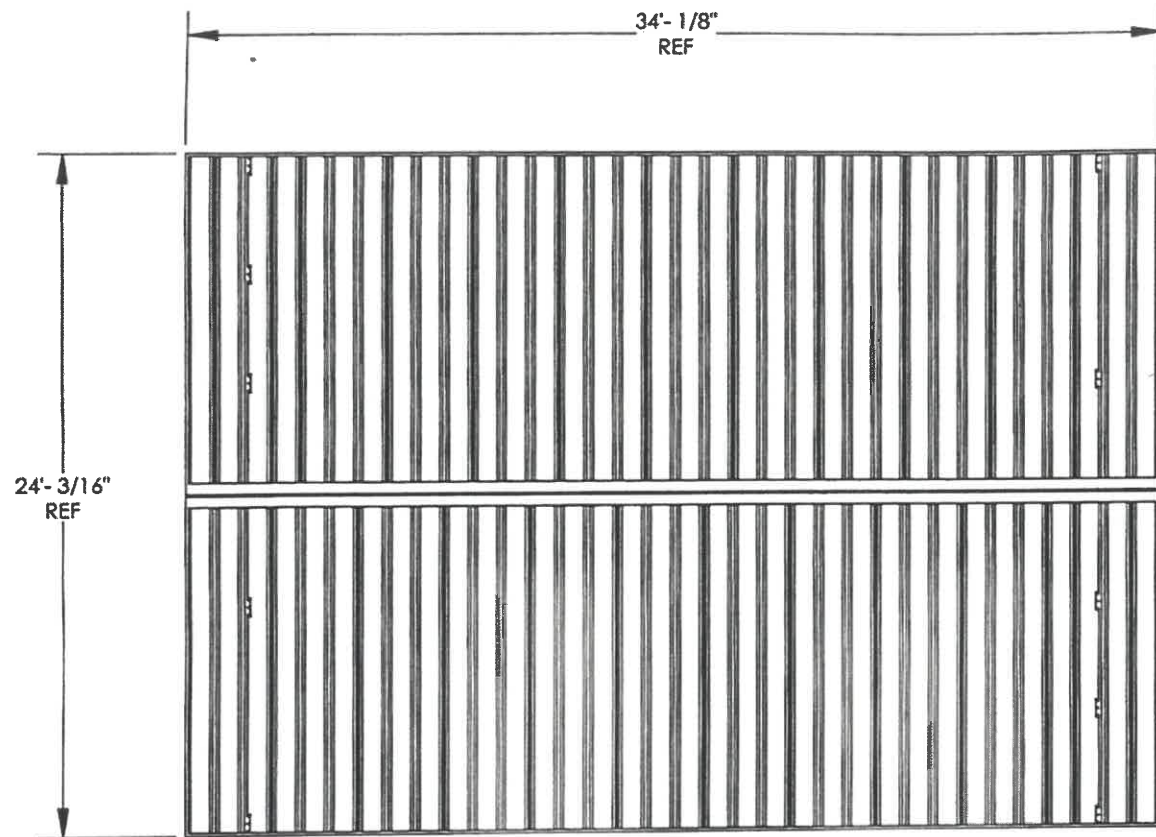
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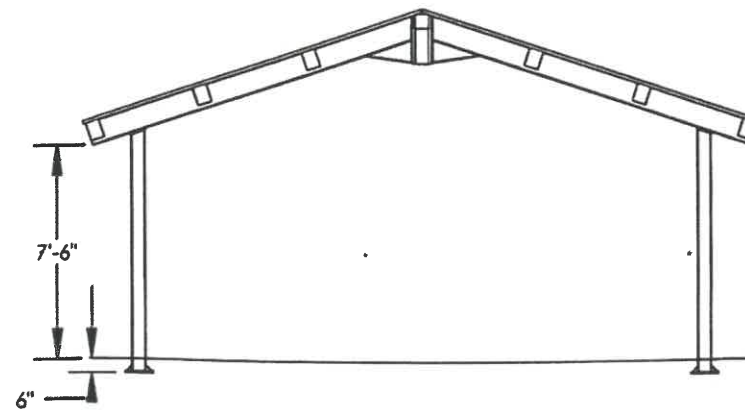
SHEET

CS

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FINISH GRADE
(ASSUMED AT CONSTANT
ELEVATION UNLESS
OTHERWISE NOTED)

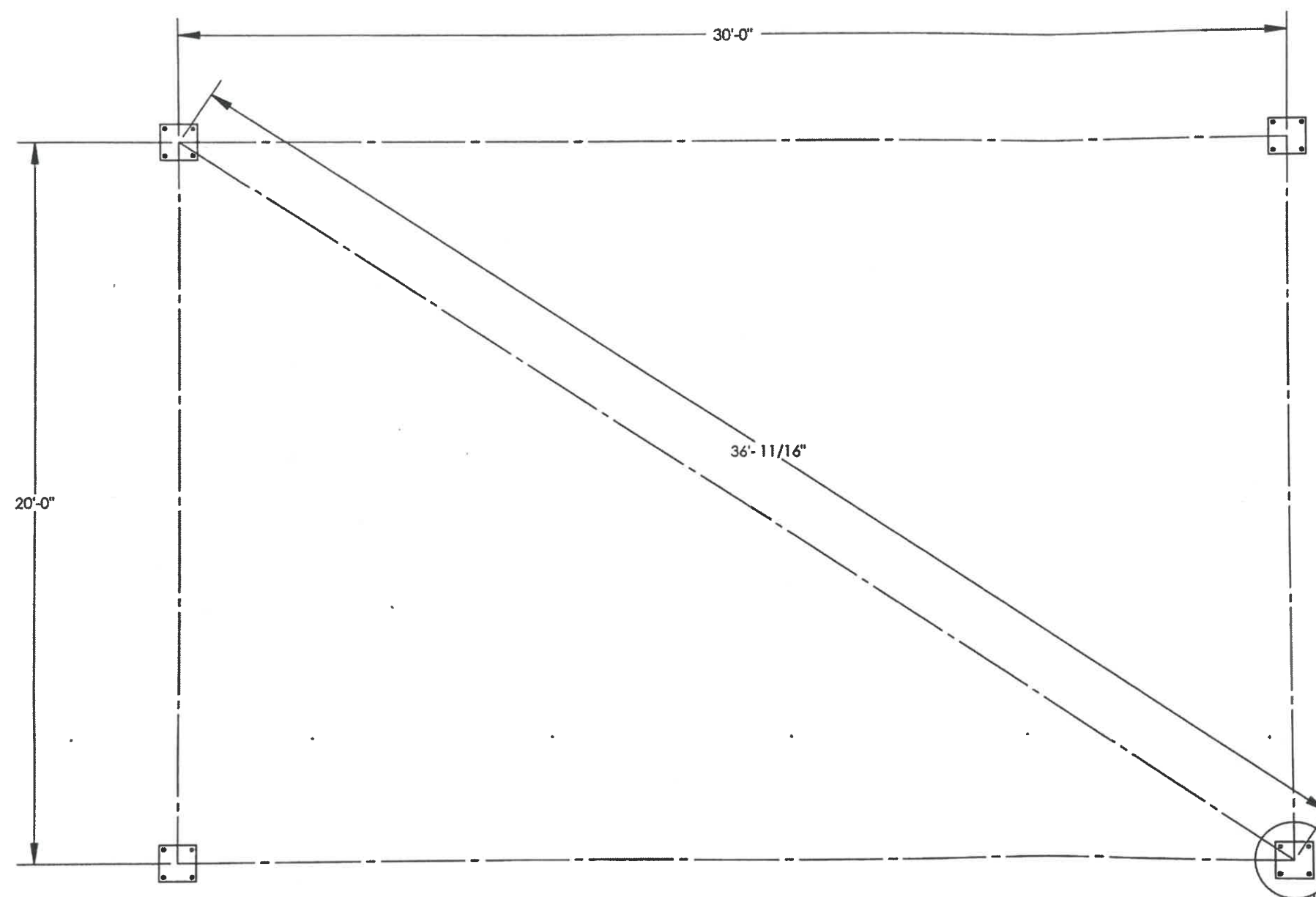


1
SHEET 2.1



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| | | | | | |
|------------|---|---|---------------------------|-------------------------------------|--|
| SHEET 1 | PROJECT: R.G. PHILLIPS PARK PROJECT LOCATION: ROSEVILLE, CA DRAWING: ARCHITECTURAL ELEVATIONS | CREATION DATE: 5/27/2016 BUILDING NO: 17987 CAD MODEL: ~17987 | DRAWN BY: REV LEVEL: A | PRINT DATE: 8/2/2018 SCALE: 1:80 |  (616)399-1963 www.poligon.com by PORTERCORP <small> COPYRIGHT 2014 PATENTED OR PATENT PENDING PORTERCORP 4140 N. 134th AVE HOLLAND, MI 49423 </small> |
|------------|---|---|---------------------------|-------------------------------------|--|



2
SHEET 2.1

ANCHOR AND FOOTING LAYOUT NOTES:

1. ANCHORS MUST BE CENTERED IN FOOTINGS
2. FOOTINGS MUST BE TURNED TO ALIGN WITH COLUMN AND TRUSS CENTERLINE.

PROFESSIONAL ENGINEER
CHRISTOPHER M. EVANS
C 78816
CIVIL
STATE OF CALIFORNIA

8/2/18

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| PROJECT: | R.G. PHILLIPS PARK | PRINT DATE: | 8/2/2018 | poligon ® | (616)399-1963 |
| PROJECT LOCATION: | ROSEVILLE, CA | DRAWN BY: | | www.poligon.com | |
| DRAWING: | ANCHOR AND FOOTING LAYOUT | BUILDING NO: | 17987 | REV LEVEL: | A |
| | | CAD MODEL: | ~17987 | SCALE: | 1:45 |
| SHEET | 2 | | | | |

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FOUNDATION NOTES:

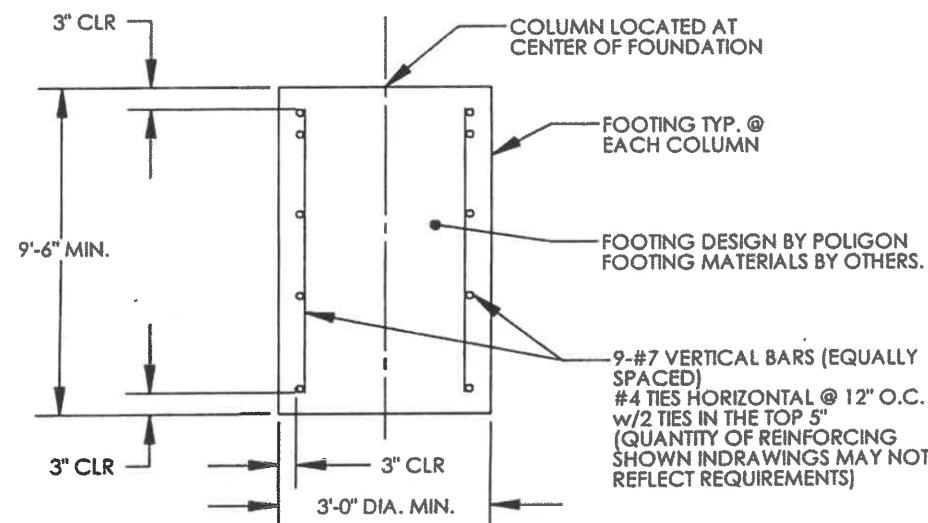
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE AND LOCAL ORDINANCES AND REQUIREMENTS.
- THE CONCRETE DESIGN IS BASED ON THE FOLLOWING PROPERTIES:
 - 28 DAY STRENGTH OF 4500 psi.
 - SLUMP OF 4" (+/-1").
- THE FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED.
- THE REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
- IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, THE DRILLED PIER FOOTING MAY BE EXTENDED. EXTEND VERTICAL BARS AS REQUIRED AND PROVIDE ADDITIONAL TIES TO MEET SPACING REQUIREMENTS AS SHOWN. IF LOCAL FROST DEPTH REQUIREMENTS ARE NOT MET AND NO DRILLED PIER FOOTING OPTION IS GIVEN, CONTACT ENGINEERING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

THE FOUNDATION DESIGN SHOWN ON THESE DRAWINGS IS NOT SITE SPECIFIC, BUT BASED ON THE PRESUMPTIVE ALLOWABLE FOUNDATION PRESSURES IN CHAPTER 18 OF THE BUILDING CODE (CLASS 5 SOIL). THE BUILDING OFFICIAL IN THE JURISDICTION IN WHICH THIS STRUCTURE IS LOCATED MAY REQUIRE A SITE SPECIFIC GEOTECHNICAL REPORT OR LETTER FROM A QUALIFIED LOCAL PROFESSIONAL ENGINEER ATTESTING TO WHETHER THE ACTUAL SITE CONDITIONS MEET THE ASSUMPTIONS IDENTIFIED ABOVE.

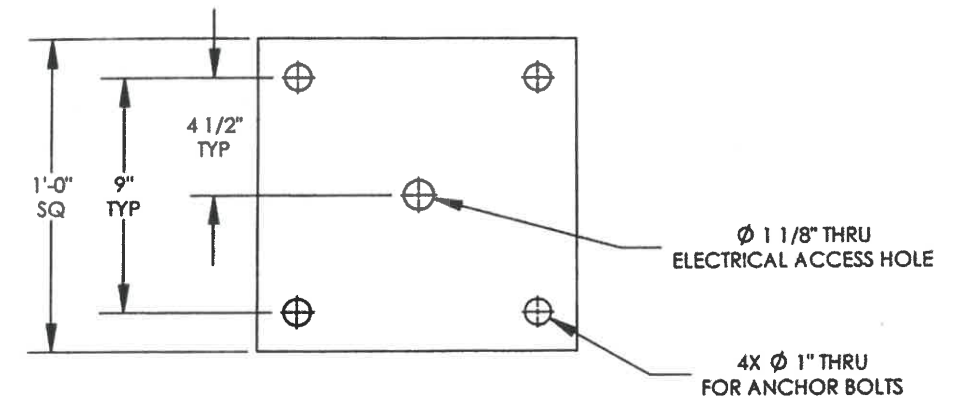
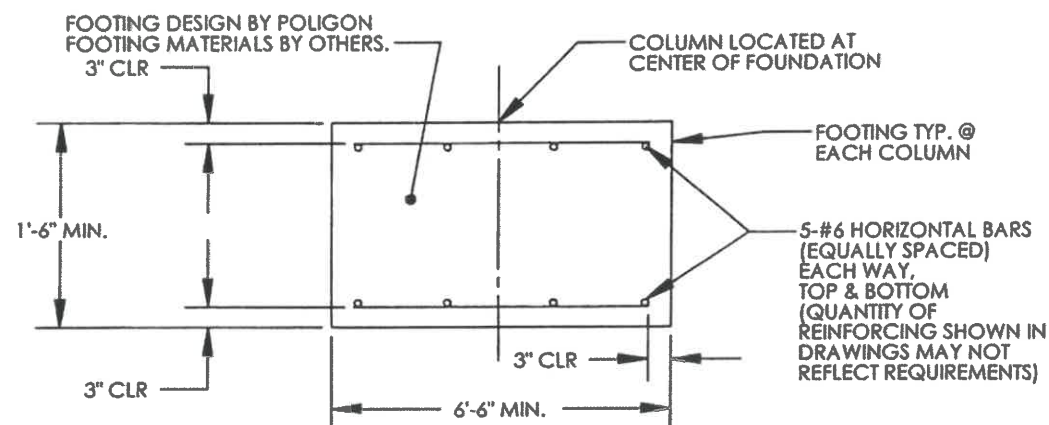
ANCHOR BOLT NOTES - FIXED BASE STRUCTURES (ANCHOR BOLTS LOCATED OUTSIDE COLUMN):

- ANCHOR BOLTS SHALL BE ASTM F1554 (GRADE 55) MATERIAL UNLESS OTHERWISE NOTED.
- ANCHOR BOLTS SHALL BE EITHER "HEADED" OR "THREADED WITH NUT" AS DEFINED IN THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL (PART 14), 13th EDITION.
- HOOKED ANCHOR BOLTS ARE NOT ACCEPTABLE.
- ACCURATE ANCHOR BOLT PLACEMENT IS CRITICAL. TO ENSURE THE ANCHOR BOLT LAYOUT MEETS THE DIMENSIONS REQUIRED ON THE DRAWINGS, SURVEY (OR MEASURE) THE LOCATION OF ALL ANCHOR BOLTS PRIOR TO POURING THE FOOTINGS. AN ADDITIONAL SURVEY (OR MEASUREMENT) SHOULD BE MADE AFTER THE FOOTINGS ARE POURED TO CONFIRM THE ANCHOR BOLTS DID NOT SHIFT DURING THE CONCRETE POUR.
- POLIGON STRONGLY RECOMMENDS USING ANCHOR BOLT TEMPLATES BECAUSE THEY SIGNIFICANTLY IMPROVE THE ACCURACY OF ANCHOR BOLT PLACEMENT.
- IF OUTSIDE CONSULTING ENGINEERS ARE DESIGNING THE FOUNDATIONS FOR THIS STRUCTURE, THEY MUST REFER TO POLIGON CALCULATIONS FOR MINIMUM CONCRETE PROPERTIES (COMPRESSIVE STRENGTH, EDGE DISTANCE, ETC.) REQUIRED FOR THE ANCHOR BOLT DESIGN.
- ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN.
- GROUT UNDER BASEPLATES SHALL BE NON-METALLIC, NON-SHRINK GROUT WITH MINIMUM $f_c=6500$ PSI.

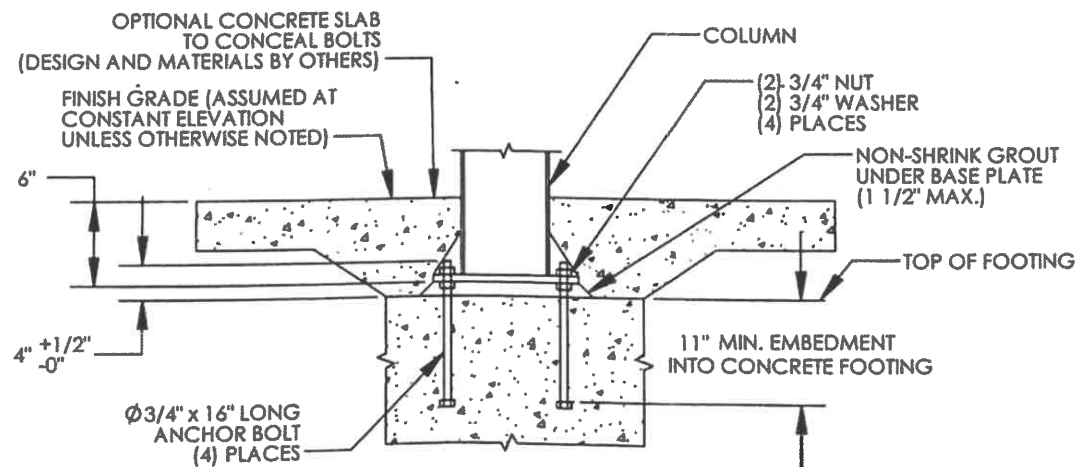
DRILLED PIER FOOTING OPTION



SQUARE FOOTING OPTION



- 2 ANCHOR BOLT PATTERN
- 2 BASE PLATE THICKNESS: 3/4"

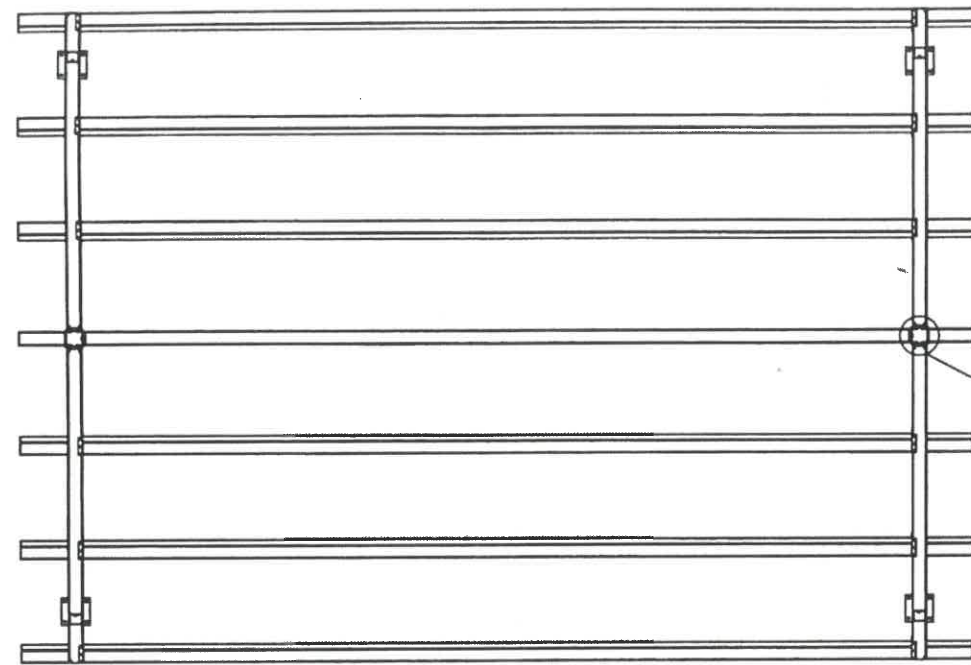


1 ANCHOR BOLT DETAIL

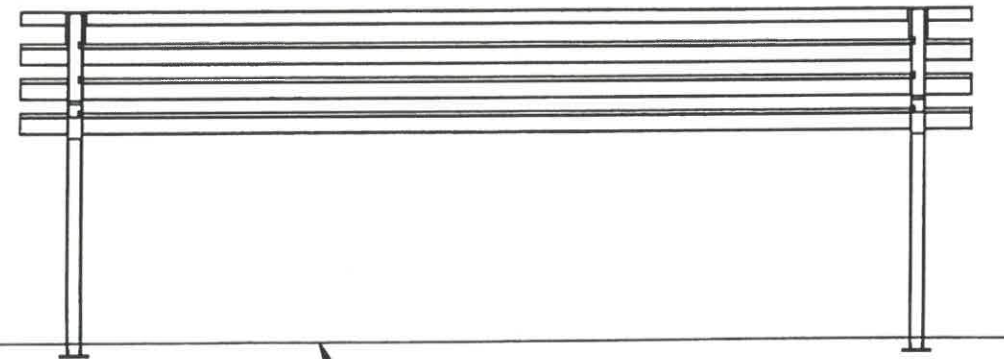


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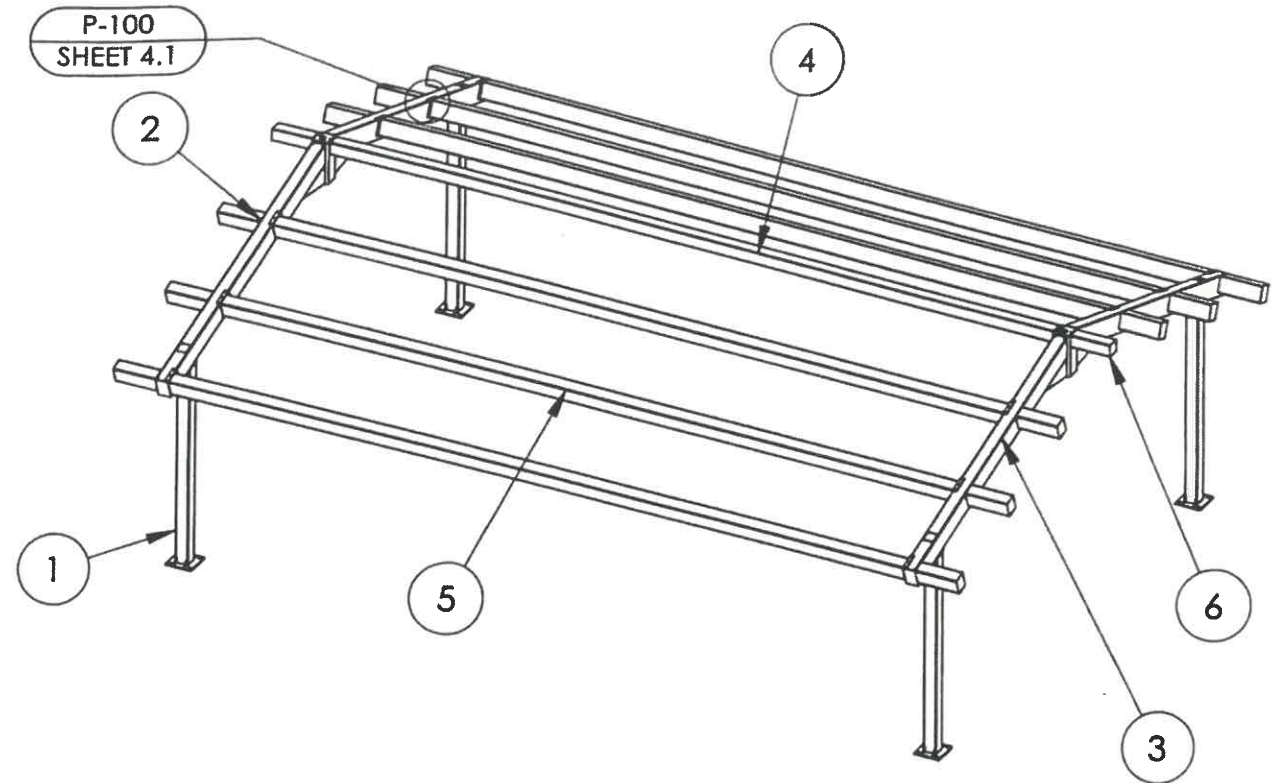
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| DRAWN BY: | REV LEVEL: A | CREATION DATE: 5/27/2016 | BUILDING NO: 17987 |
| CAD MODEL: ~17987 | | | |
| PROJECT: R.G. PHILLIPS PARK | PROJECT LOCATION: ROSEVILLE, CA | DRAWING: ANCHOR AND FOOTING DETAILS | SHEET: 2.1 |



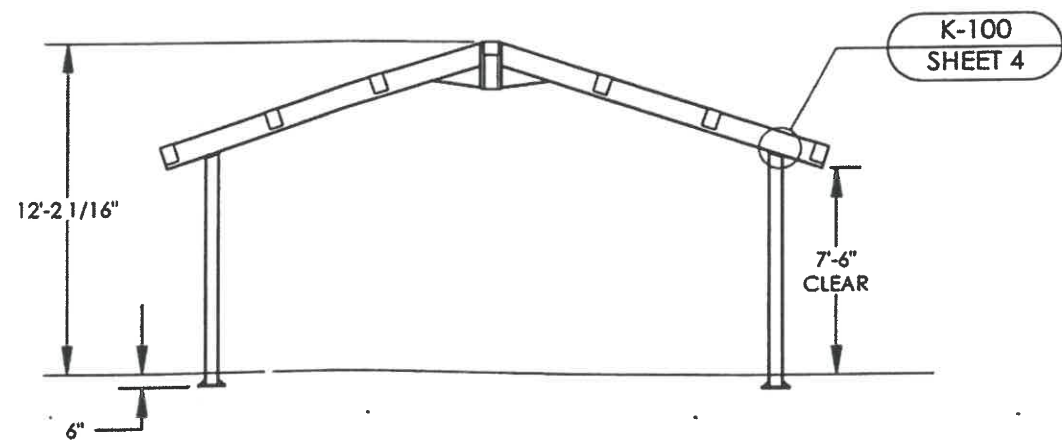
T-100
SHEET 4



FINISH GRADE
(ASSUMED AT CONSTANT
ELEVATION UNLESS
OTHERWISE NOTED)



P-100
SHEET 4.1



K-100
SHEET 4

| | | | | | |
|------|------------|-----------|-------------|--------------|--------|
| 6 | 2 | - | C-TUBE ASM | HSS8X8X5/8 | 124.62 |
| 5 | 6 | - | PURLIN ASM | HSS8X6X3/16 | 505.91 |
| 4 | 1 | - | RIDGE ASM | HSS6X6X3/16 | 433.59 |
| 3 | 2 | - | TRUSS-2-ASM | HSS10X6X3/16 | 361.91 |
| 2 | 2 | - | TRUSS 1 ASM | HSS10X6X3/16 | 361.91 |
| 1 | 4 | 1M1209113 | COLUMN ASM | HSS6X6X3/16 | 156.04 |
| ITEM | FRAME/QTY. | PART NO. | DESCRIPTION | MATERIAL | WEIGHT |



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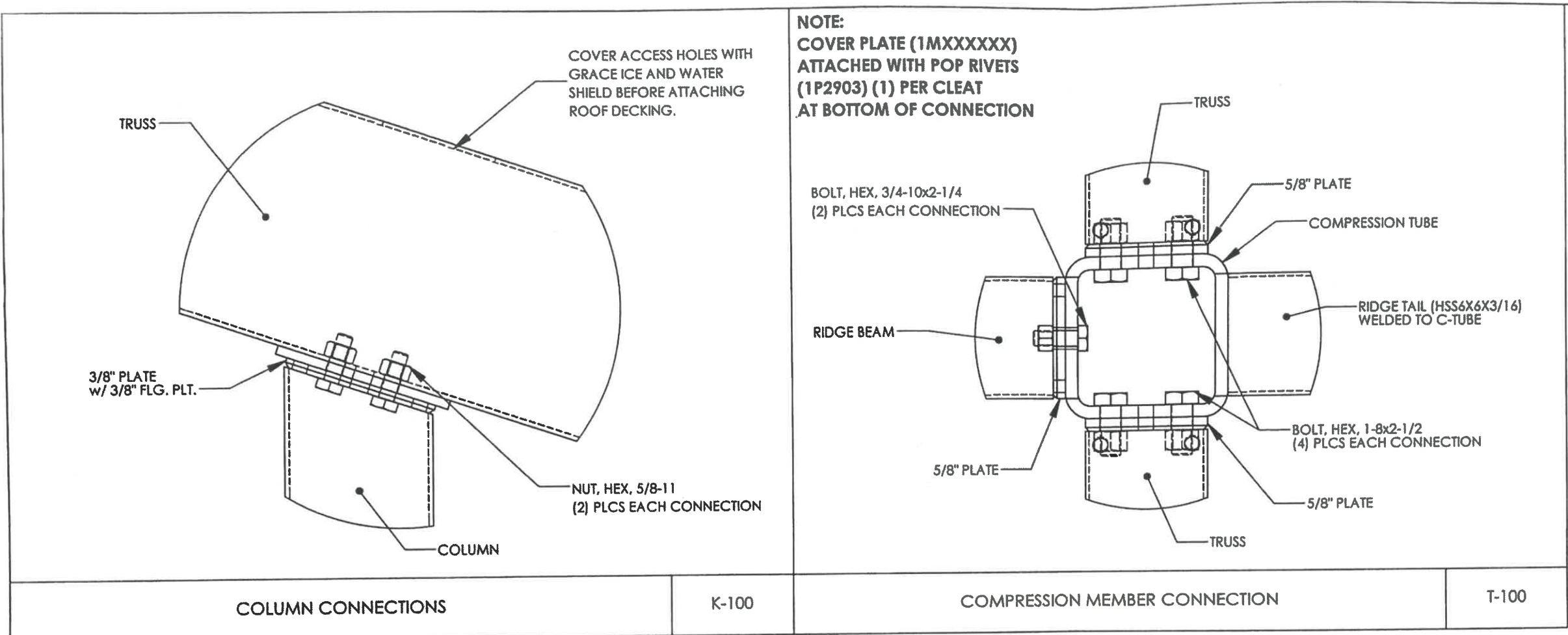
PRINT DATE: 8/7/2018
SCALE: 1:80

DRAWN BY: A
REV LEVEL: A

CREATION DATE: 5/27/2016
BUILDING NO: 17987
CAD MODEL: ~17987

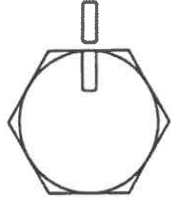
PROJECT: R.G. PHILLIPS PARK
PROJECT LOCATION: ROSEVILLE, CA
DRAWING: STRUCTURAL FRAMING PLAN

3

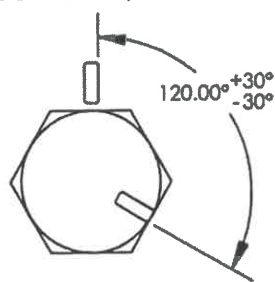


TURN-OF-NUT PRETENSIONING METHOD:
 THESE STEPS ILLUSTRATE THE REQUIREMENTS OUTLINED IN THE AISC SPECIFICATION. THE ROTATION INDICATED IS ACCURATE FOR MOST BOLT DIAMETERS AND LENGTHS BUT IT IS THE RESPONSIBILITY OF THE INSTALLER TO MEET AISC REQUIREMENTS.

STEP ONE:
 AFTER SNUG TIGHT, MATCH MARK PLATE



STEP TWO:
 THEN TURN BOLT/NUT PAST SNUG TIGHT 1/3 TURN



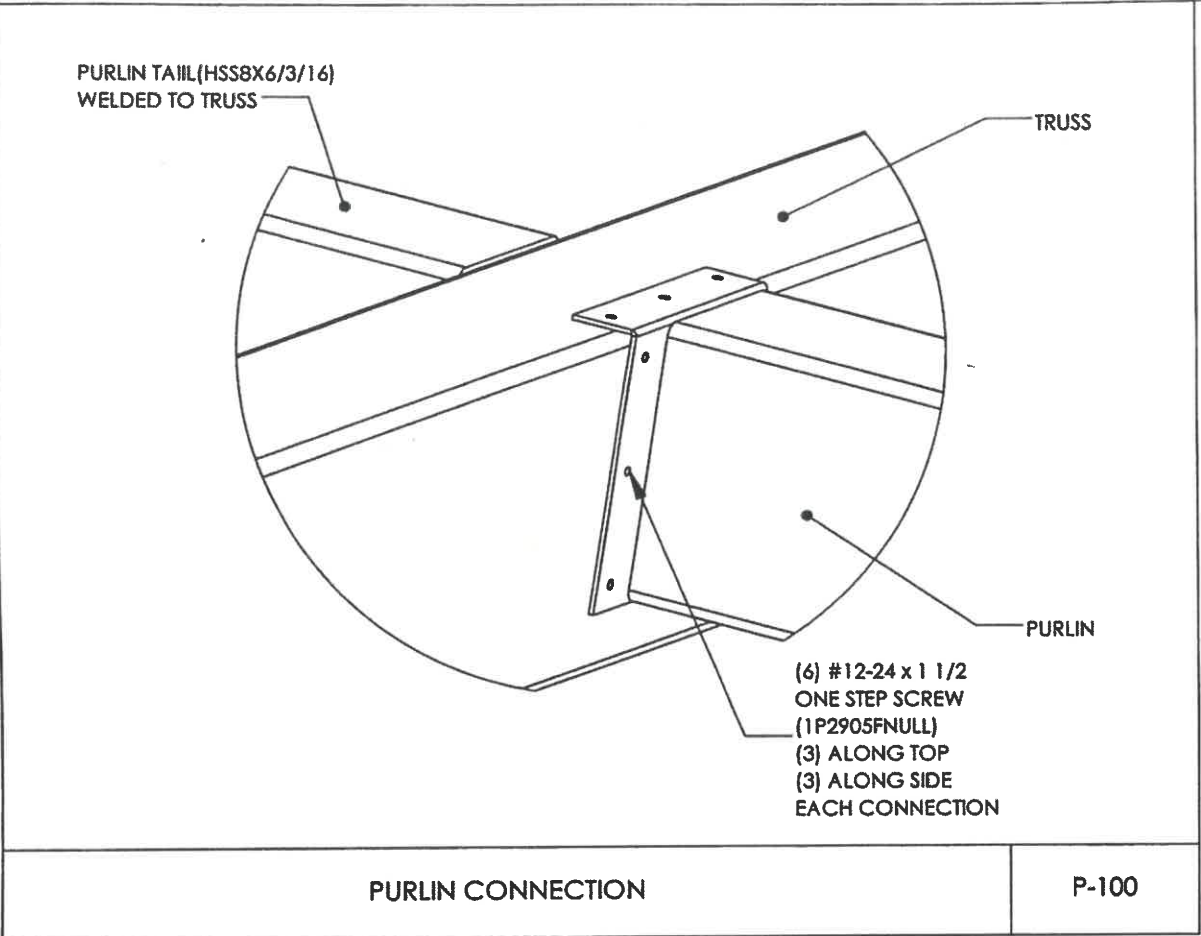
- CONNECTION NOTES:**
- ALL HIGH STRENGTH BOLTS ARE A325 BOLTS AND TO BE INSTALLED BY THE "TURN -OF-NUT" PRETENSIONING METHOD AS SPECIFIED IN THE 13TH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", SECTION 8 (SEE ILLUSTRATION). A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "TURN-OF-NUT" PRETENSIONING METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS. THIS METHOD IS ONLY REQUIRED ON 5/8" DIAMETER AND LARGER BOLTS. ANCHOR BOLTS NEED NOT BE TIGHTENED PAST SNUG TIGHT.
 - LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED PRIOR TO STEEL ERECTION.
 - ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS.
 - TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED BOLTS & NUTS. PERIODIC TOUCH-UP AT THESE BOLTED CONNECTIONS IS REQUIRED.
 - UNLESS THE BUILDING HAS A FACTORY APPLIED POWDERCOAT, E-COAT OR GALVANIZING, THE FRAME WILL BE PRIME PAINTED AND WILL BE REQUIRED TO BE FINISH PAINTED IN THE FIELD WITH ALL PAINT, MATERIALS AND LABOR NOT BY POLIGON (PORTERCORP). REFER TO FINAL SALES ORDER.
 - PRIOR TO THE ERECTION OF SHELTER COMPONENTS, IT IS RECOMMENDED TO CHASE AND TAP STRUCTURAL HARDWARE. EVEN THOUGH POLIGON MAKES EVERY EFFORT TO PROTECT THE HARDWARE DURING THE PROCESS OF PRODUCTION, FINISH, AND SHIPPING, THE ON-SITE CHASING AND TAPPING OF THREADS IS ALWAYS GOOD POLICY.
 - TO PREVENT RUST STAINING OF FINISH, ALL METAL SHAVINGS MUST BE REMOVED AFTER INSTALLATION. ENSURE NO SHAVING ARE TRAPPED BETWEEN MEMBER SURFACES.

THESE DRAWINGS ARE SEALED. THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

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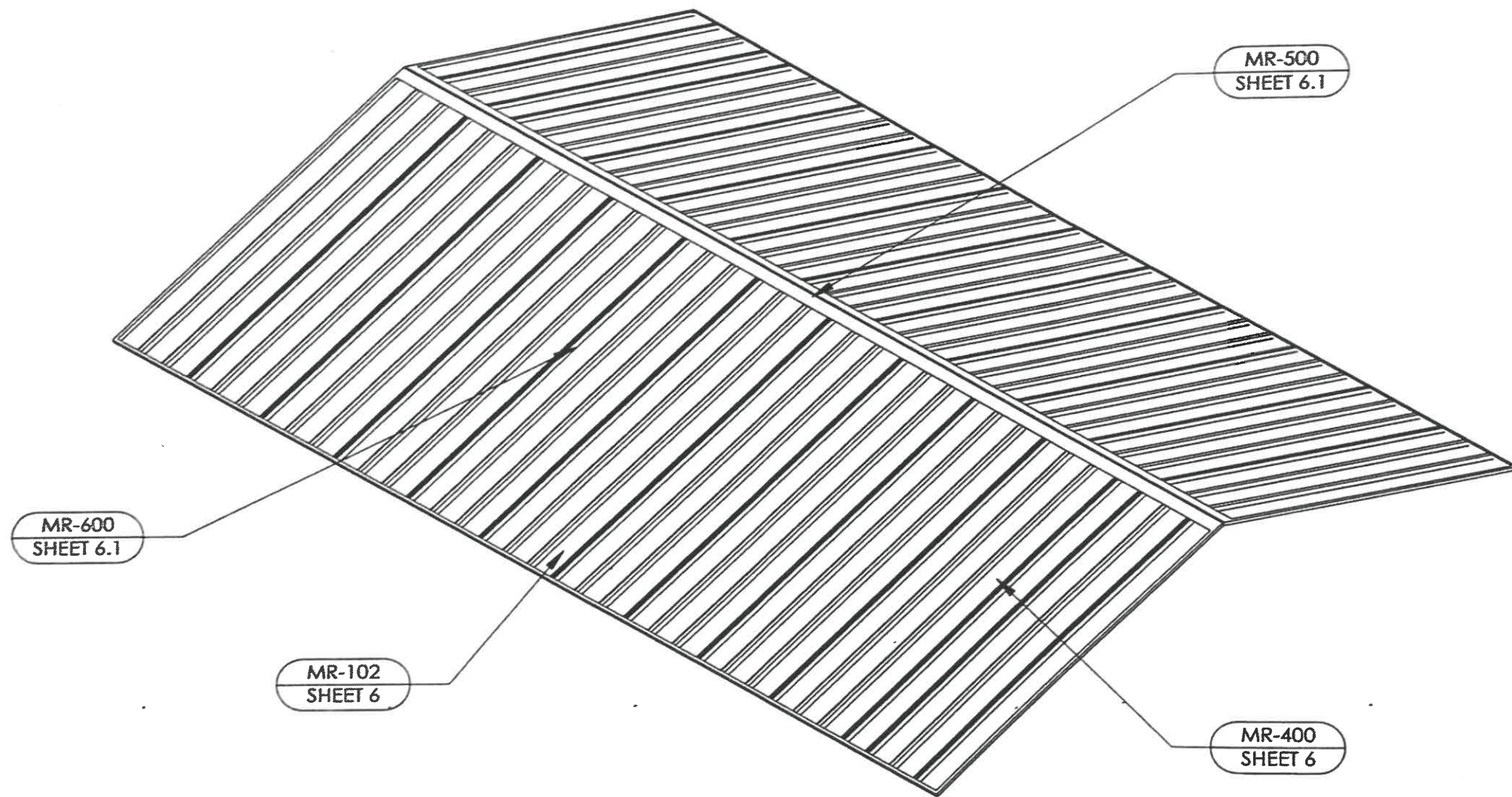
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| PROJECT: | R.G. PHILLIPS PARK | | PRINT DATE: | 8/2/2018 |
| | ROSEVILLE, CA | | SCALE: | 1:4 |
| DRAWING: | FRAME CONNECTION DETAILS | | DRAWN BY: | A |
| | | | REV LEVEL: | |
| SHEET | 4 | | CREATION DATE: | 5/27/2016 |
| | | | BUILDING NO: | 17987 |
| | | CAD MODEL: | ~17987 | |

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|--|-----------------------------|-----|-----------------|-------------------------|---|
| PROJECT: R.G. PHILLIPS PARK PROJECT LOCATION: ROSEVILLE, CA DRAWING: FRAME CONNECTION DETAILS | CREATION DATE: 5/27/2016 | | DRAWN BY: | PRINT DATE: 8/2/2018 | poligon [®] (616)399-1963 www.poligon.com by PORTER CORP COPYRIGHT 2014 PATENTED OR PATENT PENDING PORTER CORP 4240 N. 134th AVE HOLLAND, MI 48424 |
| | BUILDING NO: 17987 | | REV LEVEL: A | SCALE: 1:4 | |
| | CAD MODEL: ~17987 | | | | |
| | | | | | |
| SHEET | | 4.1 | | | |



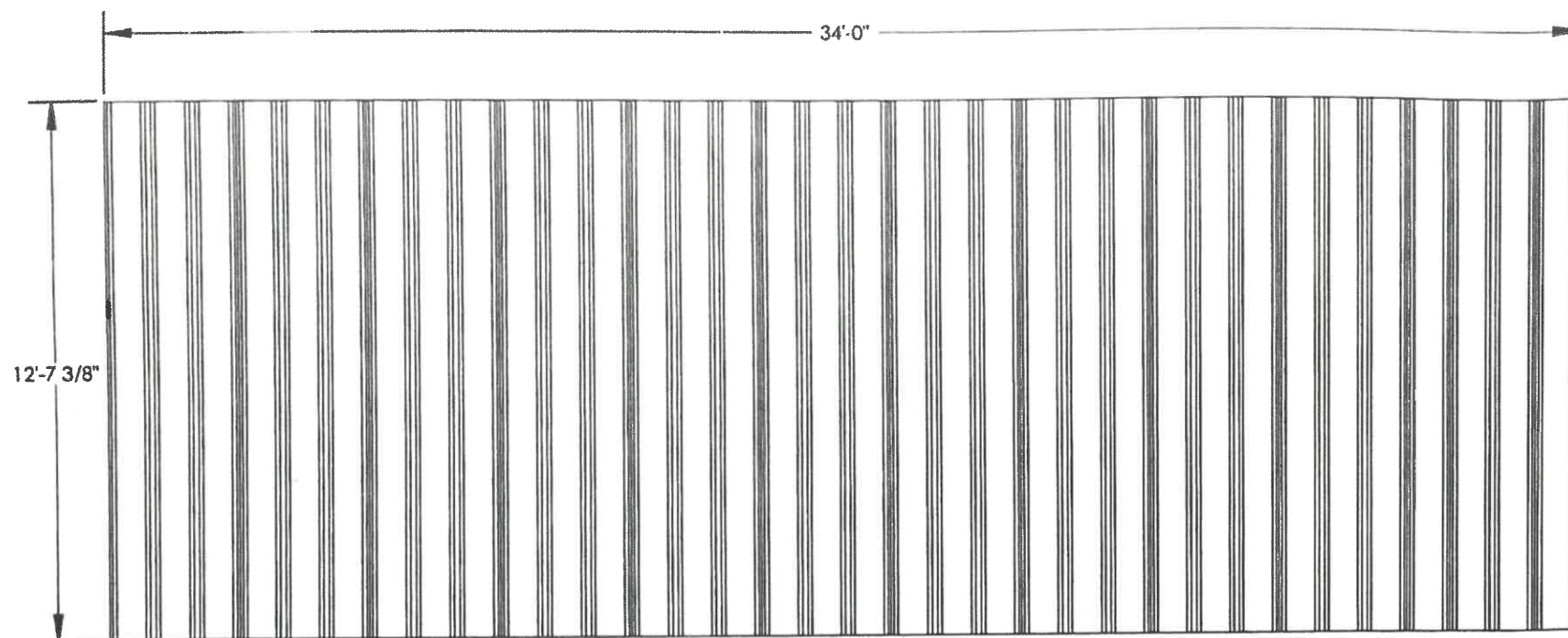
PROFESSIONAL ENGINEER
CHRISTOPHER M. EVANS
C 70816
CIVIL
STATE OF CALIFORNIA


1/2/18

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|-----------------|-------------------|--------------------|--|----------------|-----------|-----------|----------|-----------------|---|-----------------|
| <div>\$ 5</div> | PROJECT: | R.G. PHILLIPS PARK | | CREATION DATE: | 5/27/2016 | DRAWN BY: | POLYGON® | | [616]399-1963 | www.polygon.com |
| | PROJECT LOCATION: | ROSEVILLE, CA | | BUILDING NO.: | 17987 | REVIEW: | A | | POLYGON COPYRIGHT 2014 PATENTED OR PATENTS PENDING PORTER CORP. 4350 N. 136TH AVE HOLLAND, MI 48424 | |
| | DRAWING: | ROOF OVERVIEW | | CAD MODEL: | | ~17987 | | by PORTER CORP. | | |
| | | | | | | | | | | |



MULTI-RIB NOTES:

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

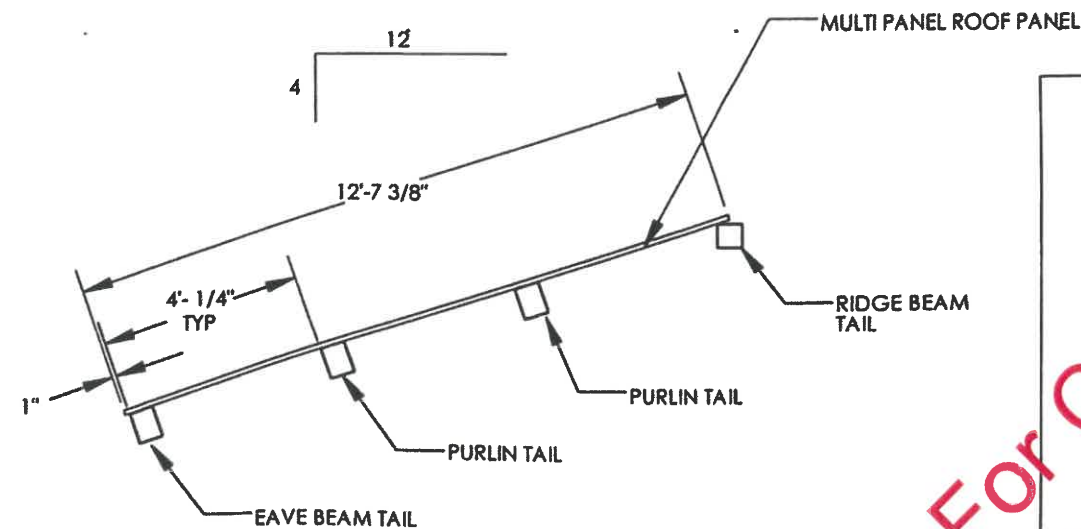
THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

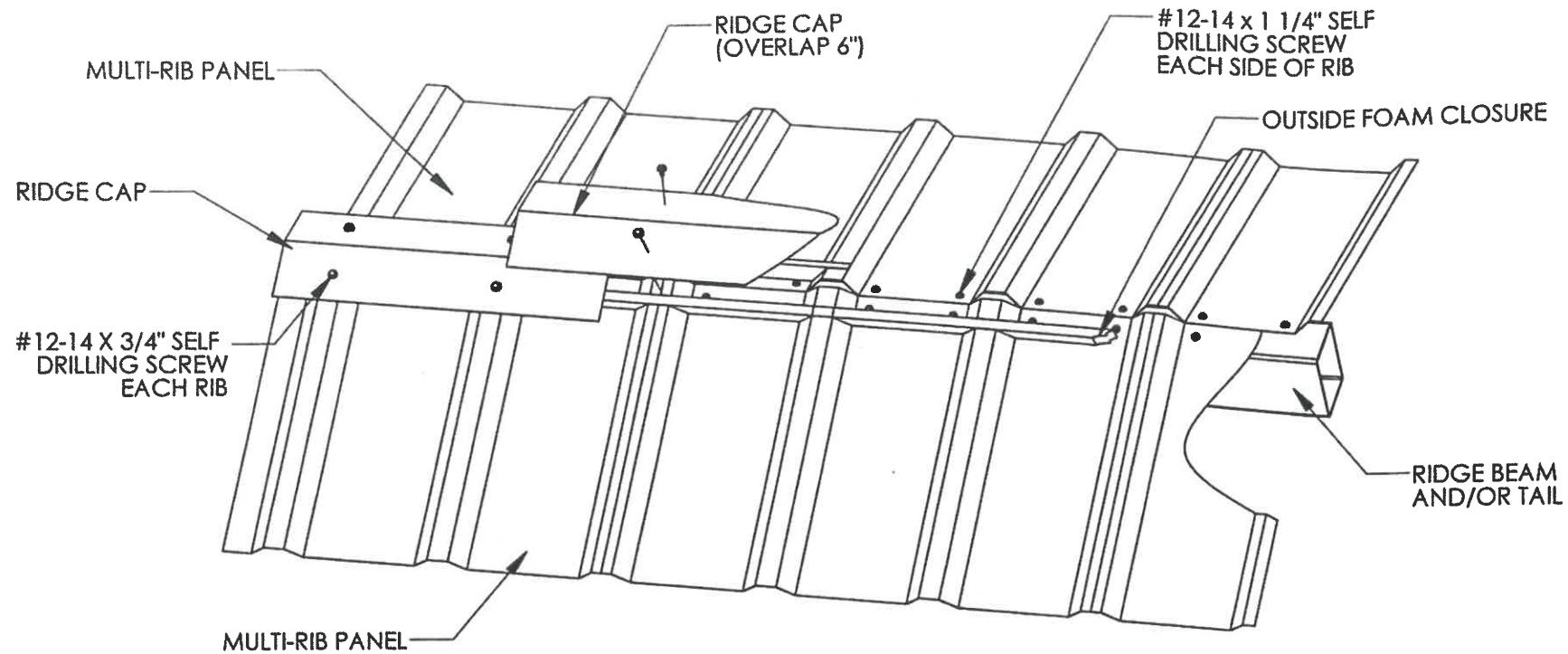
WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.

METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION. SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.



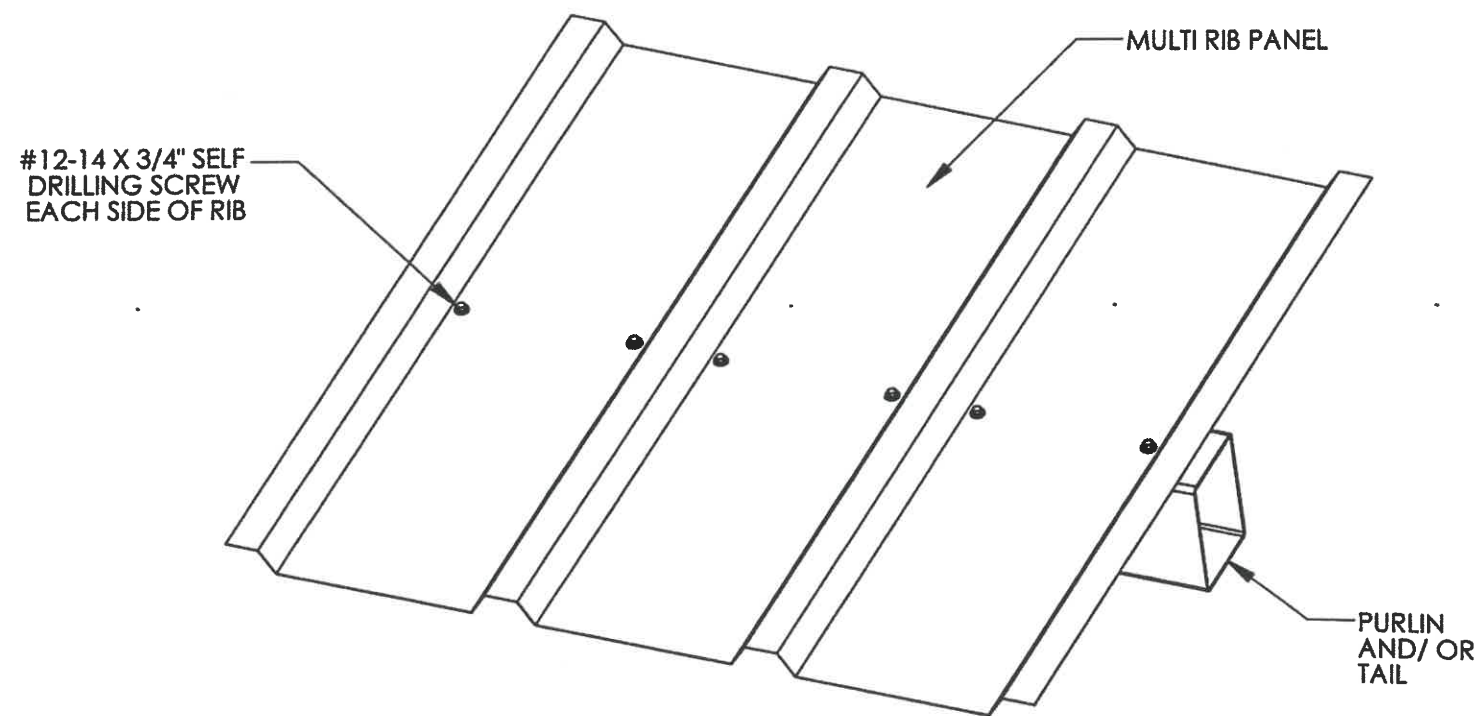
IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

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|---|--------------------|-------------------|---------------|------------|-------------|
| <p>poligon®</p> <p>16161399-1963</p> <p>www.poligon.com</p> <p>by PORTERCORP</p> <p>COPYRIGHT 2014</p> <p>PATENTED OR PATENTS PENDING</p> <p>PORTERCORP 4840 N. 134th AVE HOLLAND, MI 48424</p> | | PRINT DATE: | 8/2/2018 | SCALE: | 1:45 |
| DRAWN BY: | | REV LEVEL: | A | | |
| CREATION DATE: | 5/27/2016 | BUILDING NO: | 17987 | CAD MODEL: | ~17987 |
| PROJECT: | R.G. PHILLIPS PARK | PROJECT LOCATION: | ROSEVILLE, CA | DRAWING: | ROOF LAYOUT |
| SHEET | | 5.1 | | | |



RIDGE DETAIL

MR-500



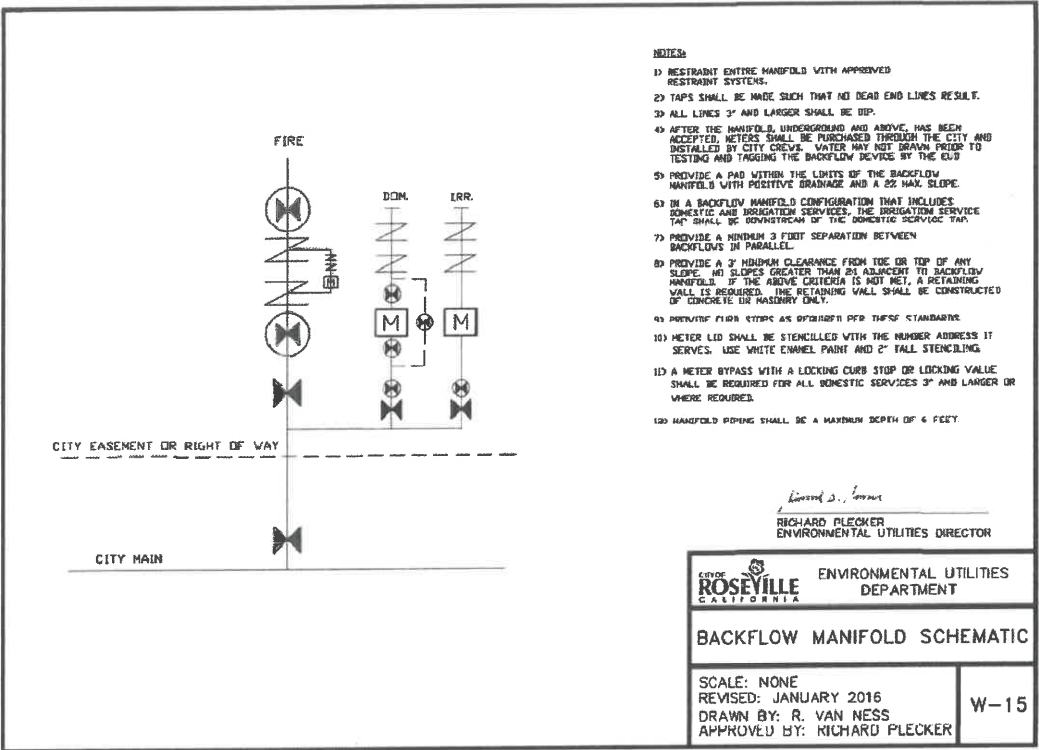
PURLIN DETAIL

MR-600

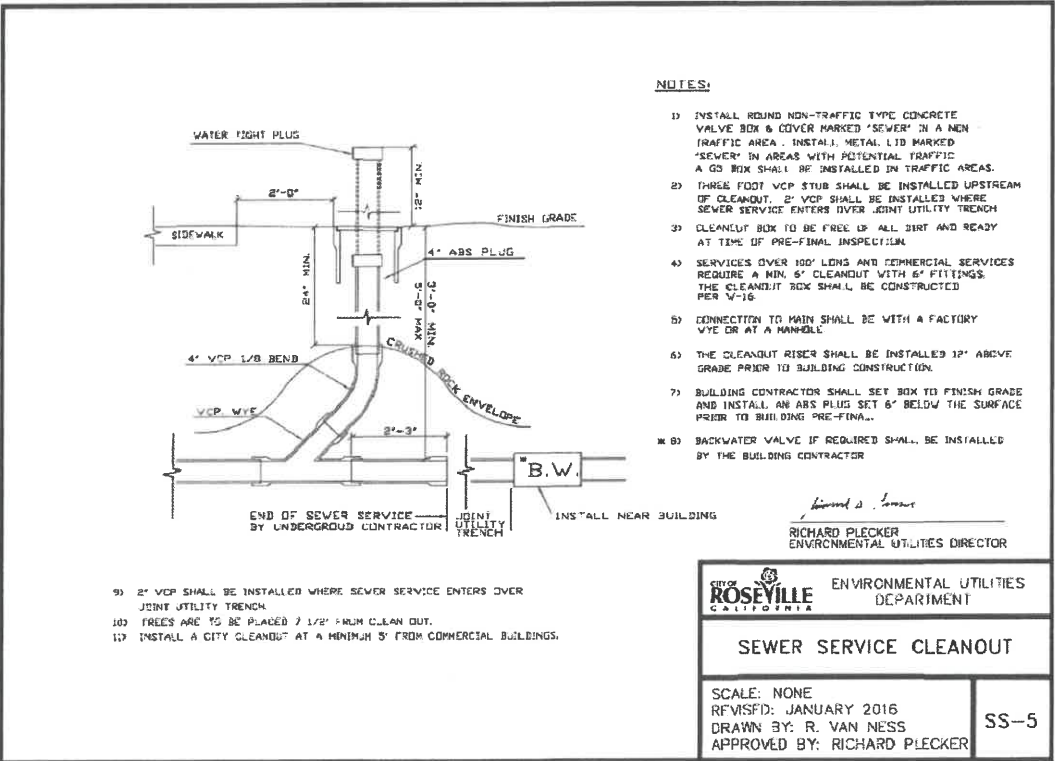


For Council Approval
Do Not Use for Bidding

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| (616)399-1963 | www.poligon.com | PRINT DATE: 8/2/2018 | DRAWN BY: | CREATION DATE: 5/27/2016 | PROJECT: R.G. PHILLIPS PARK | PROJECT LOCATION: ROSEVILLE, CA | SHEET |
| by PORTER CORP | PATENTED OR PATENT PENDING | SCALE: NTS | REV LEVEL: A | BUILDING NO: 17987 | DRAWING: ROOF CONNECTION DETAILS | | 6.1 |
| POLYGON® | PORTER CORP 4240 N. 134th AVE HOLLAND, MI 49424 | | | CAD MODEL: ~17987 | | | |



1 WATER MANHOLE
NOT TO SCALE



2 CLEAN OUT
NOT TO SCALE

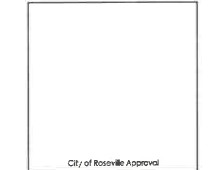
Stamp



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Issuances & Revisions

| No. | Description | Date |
|-----|-------------|------|
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CONSTRUCTION
DETAILS

Date: 2019/01/21
Project Number: 18-1629
Scale: AS SHOWN

For Council Approval
Do Not Use for Bidding



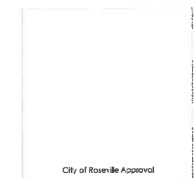
CWJ -
EN -
BD -

R.G. Phillips Park
Park Site F-52
99% Construction Documents
1200 Old Coach Drive, Roseville, CA



Issuances & Revisions
No. Description Date

| No. | Description | Date |
|-----|-------------|------|
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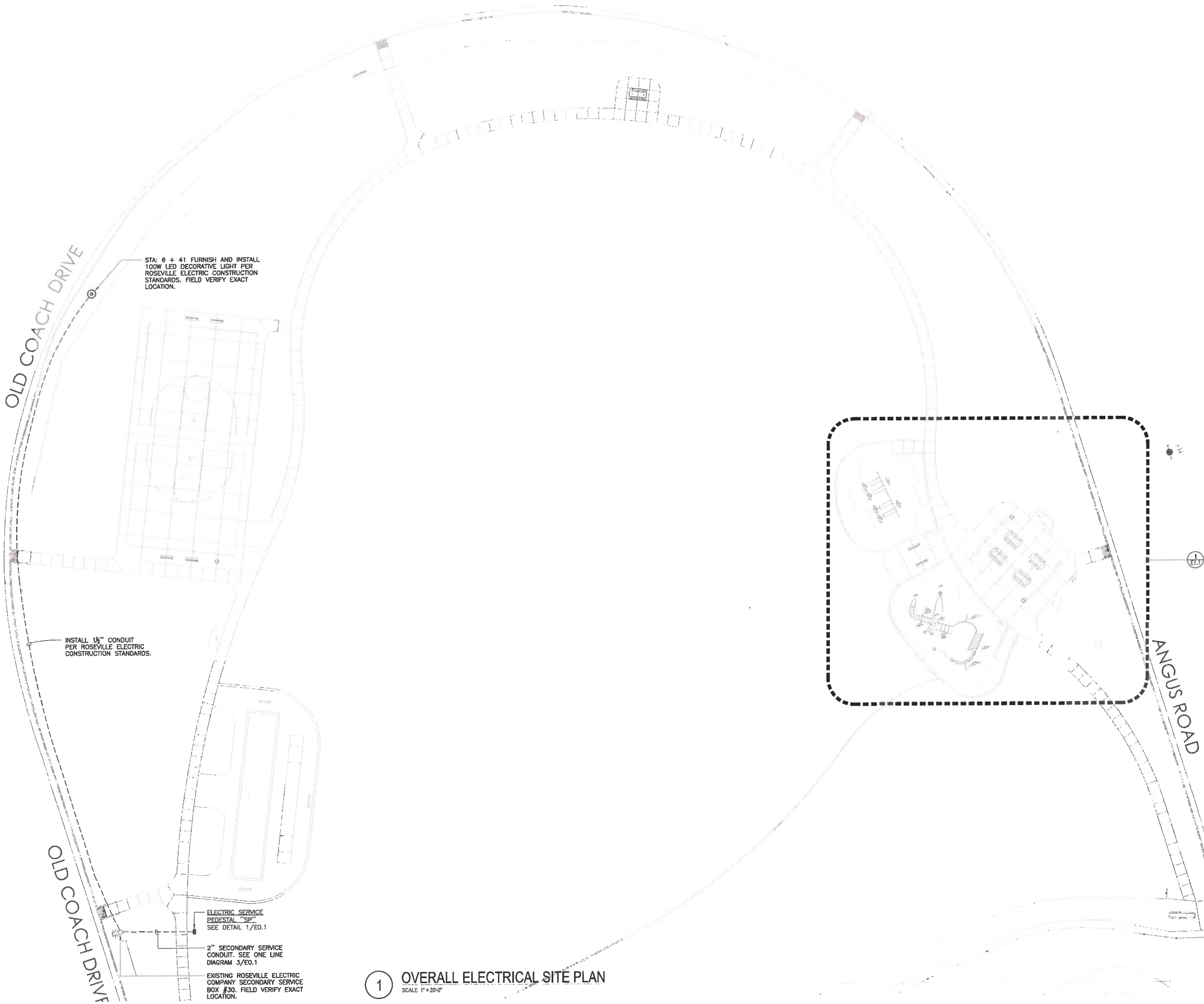
OVERALL
ELECTRICAL
SITE PLAN

Date: 20/04/21
Project Number: 18-1629
Scale: AS SHOWN



1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpeengineers.com
Job #: 17-2246

E1.0



1 OVERALL ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"