A: SWPPP Template (Utah) – Instructions

DWQ has developed this Storm Water Pollution Prevention Plan (SWPPP) template for construction sites permitted under the Construction General Storm Water Permit (CGP). The template gives you a framework to ensure that your SWPPP addresses the necessary elements required by the permit. It may be helpful to use this template with EPA's guidance on *Developing Your Storm Water Pollution Prevention Plan* (SWPPP Guide). Both are available on DWQ's construction storm water website at https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits

This template covers most of the SWPPP elements that the Utah CGP requires, however, you are encouraged to customize this template to reflect unique conditions at the site or address a requirement not covered in the provided sections.

Using the SWPPP Template

Each section of this template includes instructions and space for project information. You should read the instructions for each section before you complete that section. If you require additional clarification, the instructions often reference a permit section where you can find the exact wording for the requirement as well as other resources that may be useful. For a cleaner document you may want to delete instructions when finished. This template was developed in Word so that you can easily add tables and additional text. Some sections may require only a brief description or not apply at all to your project, while others may require several pages of explanation.

Tips for completing the SWPPP template

- If there is more than one key player affecting storm water for your project, consider coordinating development of your SWPPP with the other key players.
- Make sure you inform subcontractors about limitations or special requirements if their work intersects with SWPPP requirements. You might write a section of your SWPPP specifically for a subcontractor and deliver that section to the sub-contractor before his work commences.
- Modify this SWPPP template so that it addresses the requirements in your construction general permit and meets the needs of your project. Be sure to include important aspects of the SWPPP that go beyond the boundaries of the project.
- EPA's guidance on Developing Your Storm Water Pollution Prevention Plan (SWPPP Guide) can be accessed here: https://www3.epa.gov/npdes/pubs/sw_swppp_guide.pdf

Storm Water Pollution Prevention Plan

for:

Sky Ranch
1000 N 7300 E
Huntsville, UT 84317

Operator:

Peterson Builders Inc
Tyson DeMeyer
4794 E 2600 N
Eden, UT 84310
801-745-3573

Primary SWPPP Contact

Tyson DeMeyer
4794 E 2600 N
Eden, UT 84310
801-725-5132
tyson@petersonbuilders.com

SWPPP Preparation Date:

01.18.2022

UPDES Permit Tracking Number*:

UTRC04200

**This is the unique number assigned to your project after you have applied for coverage under the Utah Pollutant Discharge Elimination System (UPDES) construction general permit. If this template is filled out first, you can leave the tracking number blank until after you have applied for coverage.*

Contents

Appendix F – Training Logs (CGP Part 6) and Certifications
Appendix G – Additional Information (i.e., Other permits and out of date SWPPP documents)
Appendix H – BMP Specifications
Appendix I – Construction General Permit

SECTION 1: CONTACT INFORMATION/ RESPONSIBLE PARTIES

Instructions (CGP 7.3.1./7.3.7.):

Identify the staff members that are part of the project's storm water team as well as their responsibilities. The storm water team is comprised of individuals who are responsible for the development of the SWPPP, any later modifications to it, installing and maintaining storm water controls, conducting site inspections, and making corrective actions where required.

Each member of the storm water team must have ready access to either an electronic or paper copy of the 2019 CGP and the SWPPP.

Starting January 1, 2021: A SWPPP writer for a site greater than 5 acres, with a perennial surface water within 50 feet of the project, or with a steep slope (70% or 35 degrees or more) must hold a certification to demonstrate that they are a "qualified person" per CGP Part 7.2. A certification page is located in Section 11.

The following personnel, at a minimum, must receive training on their responsibilities (CGP Part 7.3.7/6.1):

- ✔ Personnel who are responsible for the design, installation, maintenance, and/or repair of storm water controls (including pollution prevention measures);
- ✔ Personnel responsible for the application and storage of treatment chemicals;
- ✔ Personnel who are responsible for conducting inspections (must hold a certification) as required in Part 4.1.; and
- ✔ Personnel who are responsible for taking corrective actions as required in Part 5.

~~A sample training log is provided in Appendix F. Certifications can also be recorded in this appendix.~~

For more on training, see *SWPPP Guide*, Chapter 8.

1.1 Storm Water Team

Name and/or Position, and Contact	Responsibilities, Qualifications, and Training
Tyson DeMeyer Peterson Builders Project Manager 801-725-5132 tyson@petersonbuilders.com	Project manager
Chad Furgeson Peterson Builders Superintendent 385-238-6593 chadfurg.pbi@gmail.com	Superintendent

[Insert or delete rows as necessary.]

SECTION 2: NATURE OF CONSTRUCTION ACTIVITIES

2.1 Construction Site Estimates

Instructions (CGP 7.3.2.b.-c.):

Estimate the area to be disturbed by excavation, grading, or other construction activities, including dedicated off-site borrow and fill areas.

The following are estimates for the construction site.

Total project area (lot size):	67.98	acres
Construction site area to be disturbed:	1.34	acres

2.2 Construction Activity Descriptions

Instructions (CGP 7.3.2.a., d. & g.):

Briefly describe the nature of the construction activity and approximate time frames.
For more information see CGP Part 7.3.2 and *SWPPP Guide*, Chapter 3.A.

Describe the general scope of the work for the project, major phases of construction, etc:
Grade for and place a paved roadway (driveway) that includes landscaping features
Describe any on-site and off-site construction support activity areas:
None
Typical site business days and times:
Monday- Friday 8-4

2.3 Phase/Sequence of Construction Activity

Instructions (CGP 7.3.2.e.):

Describe the intended construction sequencing and timing of major activities, including any opportunities for phasing grading and stabilization activities to minimize the overall amount of disturbed soil that will be subject to potential erosion at one time. Also, describe opportunities for timing grading and stabilization so that all or a majority of the soil disturbance occurs during a time of year with less erosion potential (i.e., during the dry or less windy season).

For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 2. It might be useful to develop a separate, detailed site map for each phase of construction.

Phase I

- Cut in road
- 4W
- Staked waddles, Portable toilet, Track out
- Berms

Phase II

- Run utilities along side road
- 2W
- Staked waddles, Portable toilet, Track out

Phase 3

- Landcaping, fine grading and features
- 8W
- Staked waddles, Portable toilet, Track out

[Repeat as needed]

2.4 Maps

Instructions (CGP 7.3.3.):

Attach site maps. For most projects, a series of site maps is recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or for more complicated sites show the major phases of development.

These maps should include the following:

Boundaries of the property
Locations of earth-disturbing activities, including demolition, and note any phasing;
Direction(s) of storm water flow and approximate slopes before and after major grading activities;
Type and extent of pre-construction cover (vegetative cover, pavement, etc.);
Locations of stockpiles and material storage;
Water crossings and all water of the state within one mile downstream of the site's discharge point;
Designated points where vehicles enter onto paved roads;
Locations of structures and other impervious surfaces upon completion of construction;
On-site and off-site construction support activity areas covered by the permit;
Storm water and authorized non-storm water discharge locations to inlets or waters of the state;
Locations of all potential pollutant-generating activities;
Locations of storm water controls, including natural buffer areas; and
Locations where polymers, flocculants, or other treatment chemicals will be used and stored.
For more information, see *SWPPP Guide*, Chapter 3.C.

The SWPPP site map(s) are filed in Appendix A

SECTION 3: WATER QUALITY

3.1 Discharge Information

Instructions(CGP 1.4.):

A Municipal Separate Storm Sewer System (MS4) is a storm water conveyance system owned and operated by a state, city, town, county, district, association, or other public body. If you discharge to one of these systems mark "yes" and identify which MS4.You must submit your SWPPP to this MS4 for review. A list of MS4s that are currently designed under a Utah municipal storm water permit can be found here: https://documents.deq.utah.gov/water-quality/stormwater/DWQ-2018-006843.xlsx

Does your project/site discharge storm water into a Municipal Separate Storm Sewer System (MS4)? x Yes ☐ No

List the MS4 that receives the discharge from the construction project: Pineview Reservoir

3.2 Receiving Waters

Instructions (CGP 3.1.):

In the below table, list the name of the first surface water(s) that would receive discharges from your site. Multiple rows are provided in case your site discharges in multiple locations which flow to different surface waters. For discharges that enter a storm sewer system prior to discharge, the first surface water to which you discharge is the water body that receives the storm water discharge from the storm sewer system. You may need to contact the storm sewer system owner to find out where it discharges to.

See http://wq.deq.utah.gov for impairment or quality information. Use this to identify the status in column 2 of Table 1. Select the waterbody you wish to look-up and find the results from the 20XX Assessment on the left hand side.

For more information on TMDLs and impaired waters visit https://deq.utah.gov/water-quality/watershed-monitoring-program/approved-tmdls-watershed-management-program or www.epa.gov/tmdl/impaired-waters-and-stormwater.

If any of the surface waters you listed are impaired, provide specified information about pollutants causing the impairment in column 3 of Table 1. Your SWPPP should specifically include measures to prevent the discharge of these pollutants.

If any of the surface waters you listed are identified as a Category 1 or 2 water (a Category 1 water is only found within Forest Service boundaries) provide the category in column 3 of Table 1.

For more information, see CGP Part 3.1 and 3.2 and *SWPPP Guide*, Chapter 3.B.

Names of Receiving Waters

Name of Receiving Water (first surface water that receives storm water or where storm system discharges to)	Is the water impaired or high quality?	If high quality: Is it Category 1 or 2? If impaired: List pollutants that the waterbody is impaired for
1. Pineview Reservoir	☐ Not high quality/impaired X Impaired, has approved TMDL ☐ Impaired, no TMDL ☐ High quality	Temperature dissolved oxygen and total phosphorus

[Insert or delete rows as necessary.]

3.3 Impaired Waters

Instructions (CGP 3.2.):

If you discharge to an impaired water as listed in the above table, provide information on additional efforts that will be taken to control the release of impairment causing pollutants. This is especially important for projects discharging to a surface water with an EPA approved TMDL for sediment or nutrients and an extra effort must be provided to prevent sediment from leaving the site.

No pollutants onsite, concrete washout utilized

3.4 High Water Quality

Instructions (CGP 3.2.):

If you discharge to a high quality water as listed in the above, provide information on additional efforts that will be taken to control the release of pollutants. Per CGP Part 1.1.7, you can discharge to a Category 1 water if your discharge is temporary and limited and where best management practices will be employed to minimize pollution effects. Discharge to Category 2 waters is allowed only if the discharge will not lower the water quality of the water body.

SECTION 4: POLLUTION PREVENTION STANDARDS

4.1 Potential Sources of Pollution

Instructions (CGP 7.3.2.f.):

Identify and list all potential sources of sediment, which may reasonably be expected to affect the quality of storm water discharges from the construction site.

Identify and describe all potential sources of pollution or pollutant-generating activity (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal), other than sediment, which could be exposed to rainfall or snowmelt, and may reasonably be expected to discharges from the construction site.

For more information, see *SWPPP Guide*, Chapter 3.A.

Pollutant-Generating Activity	**Pollutants or Pollutant Constituents** (that could be discharged if exposed to storm water)	**Location on Site** (or reference SWPPP site map where this is shown)
Pesticides (insecticides, fungicides, herbicides, rodenticide)	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic	Herbicides used for noxious weed control
Fertilizer	Nitrogen, phosphorous	Newly seeded areas
Plaster	Calcium sulfate, calcium carbonate, sulfuric acid	Building construction
Cleaning solvents	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	No equipment cleaning allowing in project limits
Asphalt	Oil, petroleum distillates	Streets and roofing
Concrete	Limestone, sand, pH, chromium	Curb and gutter, building construction
Glue, adhesives	Polymers, epoxies	Building construction
Paints	Metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic	Building construction
Curing compounds	Naphtha	Curb and gutter
Wood preservatives	Stoddard solvent, petroleum distillates, arsenic, copper, chromium	Timber pads and building construction
Hydraulic oil/fluids	Mineral oil	Leaks or broken hoses from equipment
Gasoline	Benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment/ staging area
Diesel fuel	Petroleum distillate, oil and grease, naphthalene, xylenes	Secondary containment/staging area
Kerosene	Coal oil, petroleum distillates	Secondary containment/ staging area

Pollutant-Generating Activity	Pollutants or Pollutant Constituents (that could be discharged if exposed to storm water)	Location on Site (or reference SWPPP site map where this is shown)
Antifreeze/ coolant	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)	Leaks from broken hoses from equipment
Sanitary toilets	Bacteria, parasites, and viruses	Staging area

[Include additional rows as necessary.]

4.2 Non-Storm Water Discharges

Instructions (CGP 7.3.4.):

Identify all allowable sources of non-storm water discharges and how they will be controlled. A list of allowable non-storm water discharges are found in the CGP Part 1.2.3.

For more information, see *SWPPP Guide*, Chapter 3.A.

Check allowable non-storm water discharges that are present and describe the measures used to reduce them or prevent them from contributing pollutants to discharges:

Authorized Non-Storm Water Discharges	Present	Comments/Controls
Discharges from emergency fire-fighting activities	N	
Fire hydrant flushing	N	
Properly managed landscape irrigation (excludes fertilizer injector systems)	N	
Properly managed vehicle and equipment wash water with no soaps, solvents, or detergents	N	
Water used to control dust	Y	Berms, use no more water than necessary don't saturate soil.
Drinking water, includes uncontaminated water line flushing	N	
External building washdown with no soaps, solvents, detergents, or hazardous substances	N	
Pavement wash waters with no detergents or toxic or hazardous materials. Must have a sediment basin, sediment trap, of similarly effective control prior to discharge.	N	
Uncontaminated air conditioning or compressor condensate	N	

Uncontaminated, non-turbid discharges of ground water (from natural sources) or spring water	N	
Uncontaminated foundation or footing drains	N	

4.3 Dewatering Practices

Instructions (CGP 1.2.5. and 2.3.7.):

f you will be discharging storm water that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, it must be permitted by UPDES permit UTG070000 (Construction Dewatering and Hydrostatic Testing Permit) unless it can be managed onsite through percolation or evaporation. The permit can be found at https://deq.utah.gov/water-quality/current-updes-permits in the bottom table. Call DWQ at 801-536-4300 for more information.

Include schedule and general locations of dewatering. Dewatering locations must be on the site map.

x Check box if section not applicable to this site (Note: If not applicable skip to next section)

Describe the general scope of dewatering practices for the project and any BMPs used to manage the dewatering practices:
INSERT TEXT HERE

4.3.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)
BMP Description:

Installation Schedule/Instructions:
Maintenance and Inspection:
Responsible Staff:
Design Specifications and Drawings:

4.4 Natural Buffers or Equivalent Sediment Controls

Instructions (CGP Part 7.3.5.b.(1), 2.2.1, and Appendix A):

This section only applies if a surface water is located within 50 feet your construction activities. If this is the case, review CGP Part 2.2.1. and Appendix A of the CGP for information on how to comply with the buffer requirements.

Describe the compliance alternative that was chosen to meet the buffer requirements, and include any required documentation supporting the alternative selected. The compliance alternative selected must be maintained throughout the duration of permit coverage. However, if you select a different compliance alternative during your period of permit coverage, you must modify your SWPPP to reflect this change.

If you qualify for one of the exceptions in CGP Part A.2.2., include documentation related to your qualification for such exceptions.

Review Appendix A of the CGP for step-by-step instructions and examples on how to comply with the different buffer alternatives.

Buffer Compliance Alternatives

Are there any surface waters within 50 feet of your project's earth disturbances?

NO

(Note: If "no", no further documentation is required. Delete the rest of Section 4.3 below this point.)

SECTION 5: EROSION AND SEDIMENT CONTROLS – BMPS

5.1 List of Erosion and Sediment BMPs on Site

Instructions (CGP Part 2.2. and 7.3.5):

- Identify best management practices (BMPs) that will be implemented on site to control erosion and sediment transport from storm water.
- Use the below CGP requirements and the pollutant generating activates identified in SWPPP section 4.1. to determine where BMPs are necessary. Fill out the rightmost column with BMPs you are selecting. Some requirements may not apply to your site.
- For each BMP you must provide a description of the control, any design specifications, routine maintenance specifications, a schedule for storm water control implementation/installation, and the staff responsible for maintaining the BMP. These details are listed in the BMP section below the table.
- BMPs are listed as examples, you may use BMPs not listed.
- Details and design specifications can be provided in this section or in Appendix H if they are large.
- Perimeter control maintenance must include removal of sediment before it has accumulated to one-half the above-ground height of the control.
- For more information, see *SWPPP Guide*, Chapter 4.
- BMP guidance may be found in your MS4's or other local jurisdiction's design manual, guidance manuals listed in Appendix D of the *SWPPP Guide*, or EPA's National Menu of BMPs https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

CGP Requirement	Example BMPs	EPA SWPPP Guide Section	BMPs Selected (Name and Reference Number if applicable)
Preserve vegetation where possible and direct storm water to vegetated areas when feasible (CGP 2.2.2.)	Phasing to minimize disturbance, signs/fences to protect areas not being disturbed.	Chapter 4, ESC Principle 1	Straw wattles
Install sediment controls along perimeter areas that receive pollutant discharges (CGP 2.2.3.).	Silt fence, fiber rolls, earth berms	Chapter 4, ESC Principle 7	Berms
Minimize sediment track-out (CGP 2.2.4.)	Restrict access, stabilize exits, track-out pads, tire washing station, clean-up sediments	Chapter 4, ESC Principle 9	Restrict access, stabilize exits, track-out pads, cleanup sediments
Manage stockpiles with perimeter controls and	Sediment barriers downgradient,	Chapter 4,	

locate away from storm water conveyances (CGP 2.2.5.)	proper location, covered stockpiles, diverting storm water from stockpiles	ESC Principle 4	
Minimize dust (CGP 2.2.6.)	Water application, mulching, chemical dust suppression techniques		water application
Minimize steep slope disturbance (CGP 2.2.7.)	Erosion control blankets, tackifiers, protect slopes from disturbance	Chapter 4, ESC Principle 5	
Preserve topsoil (CGP 2.2.8.)	Stockpile topsoil	Chapter 4, ESC Principle 1	
Minimize soil compaction where final cover is vegetation (CGP 2.2.9.)	Restrict vehicle access, recondition soils before seeding		
Protect storm drain inlets (CGP 2.2.10.)	Inserts, rock-filled bags, covers	Chapter 4, ESC Principle 6	
Slow down runoff with erosion controls and velocity dissipation devices (CGP 2.2.11.)	Check dams, riprap	Chapter 4, ESC Principle 3	
Appropriately design any sediment basins or impoundments (CGP 2.2.12.)	Design to 2-year 24-hour storm or 3,600 cubic feet per acre drained, include design specifications	Chapter 4, ESC Principle 8	
Follow requirements for any treatment chemicals (polymers, flocculants, coagulants, etc.)	Store in leak proof containers and cover, proper training, minimize use		
Stabilize exposed portions of site with 14 days of inactivity (CGP 2.2.14).	Seeding, erosion control blankets, gravel, hydromulch	Chapter 9	

5.1.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions: Straw wattles

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	superintendent
Design Specifications and Drawings:	

5.1.2: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions: Berms

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	superintendent
Design Specifications and Drawings:	

5.1.3: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions: restrict access, stabilize exits, track-out pads, cleanup sediment

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	superintendent
Design Specifications and Drawings:	

5.1.4: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions: water application

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	superintendent
Design Specifications and Drawings:	

[Repeat as needed]

Instructions (CGP 7.3.5.b.(2)):

For areas where perimeter controls are not feasible on a linear construction site, include a description of why it is not feasible and other practices that will be implemented to minimize discharges of pollutants from the site.

5.2 Linear Site Perimeter Control Exemption

x Check box if section not applicable to this site (Note: If not applicable skip to next section)

If the site is linear and perimeter controls are not feasible, describe other practices in use:
n/a

5.3 Final Stabilization

Instructions (CGP 7.3.5.b.(6) and 2.2.14.b.):

Describe procedures for final stabilization. If final cover is vegetation, you must establish uniform perennial vegetation that provides 70% or more of the vegetative cover that existed prior to earth-disturbing activities. Exception: Arid, semi-arid, and drought stricken areas are required to be seeded/planted so that the before mentioned vegetative requirement is expected to be met within 3 years. Establishment of vegetation is not required, however additional erosion controls may be needed.

You can amend or add to this section as areas of your project are finally stabilized.

Update your site plans to indicate areas that have achieved final stabilization.

Both vegetative and non-vegetative stabilization techniques must be described.

For more on this topic, see *SWPPP Guide*, Chapter 9.

Description of final stabilization practices and schedule:

Type of stabilization (vegetation/landscaped, graveled, paved, etc.)	Location	Implementation Schedule
Pasture grass	Adjacent to roadway 50' wide 30' off of road	
Lawn grass	Adjacent to roadway 30' wide	

SECTION 6: BMPS - POLLUTION PREVENTION/OPERATIONAL CONTROLS

6.1 Spill Prevention and Response

Instructions CGP Part 7.3.5.b.(7):

Describe the spill prevention and control plan. Include ways to reduce the chance of spills, stop the source of spills, contain and clean up spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control.

Some projects/site may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.

The plan must include the materials and method of containment and for flowing liquid, cleanup, disposal and follow the minimum spill controls below.

For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 6.

Describe spill procedures and materials available for expeditious containment, clean-up and disposal of spills:
Keep toxins off of site, if present clean up, remove as soon as possible

Identify the employee responsible for detection and response of spills and leaks:
Tyson DeMeyer

Any discharges in 24 hours equal to or in excess of the reportable quantities listed in 40 CFR 117, 40 CFR 110, and 40 CFR 302 will be reported to the National Response Center and the Division of Water Quality (DWQ) as soon as practical after knowledge of the spill is known to the permittees. The permittee shall submit within 14 calendar days of knowledge of the release a written description of: the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and measures taken and/or planned to be taken to the Division of Water Quality (DWQ), 288 North 1460 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870. The Storm Water Pollution Prevention Plan must be modified within14 calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

Agency	Phone Number
National Response Center	(800) 424-8802
Division of Water Quality (DWQ) 24-Hr Reporting	(801)-231-1769 (801) 536-4123
Utah Department of Health Emergency Response	(801) 580-6681

Material	Media Released To	Reportable Quantity
Engine oil, fuel, hydraulic & brake fluid	Land	25 gallons
Paints, solvents, thinners	Land	100 lbs (13 gallons)
Engine oil, fuel, hydraulic & brake fluid	Water	Visible Sheen
Antifreeze, battery acid, gasoline, engine degreasers	Air, Land, Water	100 lbs (13 gallons)
Refrigerant	Air	1 lb

6.2 Pollution Prevention Controls

Instructions (CGP Part 2.3. and 7.3.5):

- Describe the key good housekeeping and pollution prevention (P2) BMPs that will be implemented to control pollutants in storm water (CGP Part 2.3).
- Use the below CGP requirements and the pollutant generating activates identified in SWPPP section 4.1. which were not addressed with the erosion and sediment BMPs to determine where BMPs are necessary.
- For each BMP you must provide a description of the control, any design specifications, routine maintenance specifications, a schedule for storm water control implementation/installation, and the staff responsible for maintaining the BMP.
- BMPs are listed as examples, you may use BMPs not listed.
- Details and design specifications can be provided in this section or in Appendix H.

For more information, see *SWPPP Guide*, Chapter 5.
Consult your state's or local jurisdiction's design manual or resources in Appendix D of the *SWPPP Guide*.
For more information or ideas on BMPs, see EPA's National Menu of BMPs
https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

CGP Requirements	Example BMPs	EPA SWPPP Guide Section	BMPs Selected (Name and Reference Number if applicable)
Equipment and vehicle fueling (CGP 2.3.1)	Spill kits, SPCCP, drip pans, locate activities away from conveyances, use secondary containment	Chapter 5, P2 Principle 4	
Equipment and vehicle washing (CGP 2.3.2.)	Locating away from surface waters and storm water conveyances, directing wash waters to a sediment basin or sediment trap, using filtration devices	Chapter 5, P2 Principle 5	
Storage, handling, and disposal of building	Cover (plastic sheeting / temporary roofs), secondary containment, leakproof containers, proper	Chapter 5, P2 Principle 1 and 2	

products and waste (CGP 2.3.3.)	dumpsters, secured portable toilets, locate away from storm water conveyances		
Washing of stucco, paint, concrete, form release oils, curing compounds, etc. (CGP 2.3.4.)	Leak proof containers, lined pits, locate away from storm water conveyances	Chapter 5, P2 Principle 3	
Properly apply fertilizer (CGP 2.3.5)	Follow manufacture specifications, document deviations in applications, avoid applications to frozen ground, before heavy rains, or to storm water conveyances		

6.2.1.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.2.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.3.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.4: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.5: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.6: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

[Repeat as needed]

SECTION 7: SPECIAL CONDITIONS

Instructions:

The conditions listed below require additional details or actions added to your SWPPP. If they do not apply you may delete them from this SWPPP.

7.1 Emergency Related Projects

Instructions (CGP 1.1.5):

For emergency activities that require immediate authorization but last longer than 30 days, a SWPPP may be submitted within 30 days of starting work.

To be an emergency related project it must be considered a public emergency and the cause must be documented along with the description of necessary construction to reestablish effected public services.

Emergency-Related Project? ☐ Yes x No

n/a

7.2 UIC Class 5 Injection Wells

Instructions (CGP 7.3.8.):

If you are using any of the following storm water controls at your site as they are described below, you must document any contact you have had with DWQ for implementing the requirements for underground injection wells in the Safe Drinking Water Act and DEQ's implementing regulation at UAC R317-7.

There may be additional local requirements related to such structures

For the State UIC Contact at DWQ call (801) 536-4300.

X Check box if section not applicable to this site (Note: If not applicable skip to next section)

Class V UIC Wells on site (all must be reported to DWQ for inventory):

- ☐ Infiltration trenches (if storm water is directed to any shaft or hole that is deeper than its widest surface dimension or has a subsurface fluid distribution system)
- ☐ Commercially manufactured pre-cast or pre-built subsurface detention vault/infiltration system
- ☐ Drywell, seepage pit, or improved sinkhole (if storm water is directed to any shaft or hole that is deeper than its widest surface dimension or has a subsurface fluid distribution system)

Description of your Class V Injection Well and any local requirements:

INSERT DESCRIPTION AND ANY DWQ OR LOCAL REQUIREMENTS

Description of any additional BMPs used in conjunction with the UIC well.

7.2.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

7.3 Chemical Treatment

Instructions (see CGP 2.2.13. and 7.3.5.b.(5)):

- If you are using treatment chemicals at your site, provide details for each of the items below. This information is required as part of the SWPPP requirements in CGP Part 7.2.9.b.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

Soil Types

List all the soil types (including soil types expected to be found in fill material) that are expected to be exposed during construction and that will be discharged to locations where chemicals will be applied: INSERT TEXT HERE

Treatment Chemicals

List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: INSERT TEXT HERE

Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: INSERT TEXT HERE

Provide information from any applicable Safety Data Sheets (SDS): INSERT TEXT HERE

Describe how each of the chemicals will stored: INSERT TEXT HERE

Include references to applicable state or local requirements affecting the use of treatment chemicals, and copies of applicable manufacturer's specifications regarding the use of your specific treatment chemicals and/or chemical treatment systems: INSERT TEXT HERE

Special Controls for Cationic Treatment Chemicals (if applicable)

If you have been authorized by DWQ to use cationic treatment chemicals, identify the specific controls and implementation procedures you are required to implement to ensure that your use of

cationic treatment chemicals will not lead to a violation of water quality standards or harm aquatic life: INSERT TEXT HERE

Schematic Drawings of Storm Water Controls/Chemical Treatment Systems

Provide schematic drawings of any chemically-enhanced storm water controls or chemical treatment systems to be used for application of treatment chemicals: INSERT TEXT HERE

Training

Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: INSERT TEXT HERE

SECTION 8: INSPECTIONS & CORRECTIVE ACTIONS

8.1 Inspections

Instructions (CGP Part 4.2-4.4.3):

Select an inspection schedule. These are minimum frequencies, you may inspect more frequently. If so describe what your schedule would be.

For more on this topic, see *SWPPP Guide*, Chapters 6 and 8.

Also, see suggested inspection form in Appendix B of the *SWPPP Guide*.

Minimum Inspection Schedule Requirements:

Standard Frequency:
☐ Once every 7 calendar days.
☐ Once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater. Rain gauge/weather station used: Gauge or station for rainfall depth
Increased Frequency (if applicable):
☐ *Sites discharging to impaired or high quality waters:* Once every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.
Decreased Frequency (if applicable):
☐ *Arid areas:* once a month and within 24 hours of a 0.5 inch storm event or greater.
☐ *Semi-arid areas*: once a month and within 24 hours of a 0.5 inch storm event or greater during the dry season: List months for dry season (also select the inspection schedule followed outside of the dry season).
☐ *Frozen conditions with work suspended – must have 3 months of continuous expected frozen conditions based on historical averages:* no inspections List months of suspended inspections(also select the inspection schedule followed when not frozen)
☐ *Frozen conditions with continued activities - must have 3 months of continuous expected frozen conditions based on historical averages*: once per month List months of frozen conditions (also select the inspection schedule followed when not frozen)
Other:
☐ Describe alternative frequency: List alternative schedule, must meet minimum requirements

Inspection Reports are filed in Appendix C

8.2 Corrective Actions

Instructions:

A sample corrective action report is provided in Appendix D.

Whenever a storm water control requires repair or replacement (beyond routine maintenance), a control necessary for permit compliance was never installed or was installed incorrectly, your discharges cause an exceedance of applicable water quality standards, or a prohibitive discharge has occurred, you must log corrective actions taken.

This log should describe actions taken, date completed, whether a SWPPP modification was required.

In some cases corrective actions may be documented on the inspection form. This is an acceptable alternative as long as corrective actions that occur outside of inspections are also documented.

Correction Action Report is filed in Appendix D.

8.3 Delegation of Authority

Instructions:

Identify the individual(s) or specifically describe the position where the construction site operator has delegated authority for the purposes of signing inspection reports, certifications, or other information in Section 1.1 of the SWPPP.

Each inspection report must be signed in accordance with CGP Part 9.16 of the permit.

If a delegation letter is necessary, see Appendix E of this template and keep a signed copy with this SWPPP.

For more on this topic, see *SWPPP Guide*, Chapter 7.

See the signed delegation of authority forms in Appendix E.

SECTION 9: RECORDKEEPING

9.1 Recordkeeping

Instructions (CGP 7.3.10. and 9.10.):

— The following is a list of records you must have accessible on site (electronically or paper) for inspectors to review:

- ✔ A copy of the construction general permit (Appendix I)
- ✔ The signed and certified NOI form or permit application form (Appendix B)

Copies of the SWPPP and all reports required by the permit must be retained for at least three years from the date that the site is finally stabilized.

For more on this subject, see *SWPPP Guide*, Chapter 6.C.

9.2 Log of Changes to the SWPPP

Instructions (CGP Part 7.5.3):

Create a log here of changes and updates to the SWPPP. You should include additions of new BMPs, replacement of failed BMPs, significant changes in the activities or their timing on the project, changes in personnel, changes in inspection and maintenance procedures, updates to site maps, and so on.

Instead of using the table, SWPPPs can also be redlined to show changes as long as the redlines are initialed and dated.

Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

SECTION 10: CERTIFICATION

Instructions:

The SWPPP should be signed and certified by the owner and/or the general contractor. Attach a copy of the NOI and a copy of the General Storm Water Permit for Construction Activity. You can get a copy of the General Storm Water Permit for Construction Activity on the same web page that this template was obtained (https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits)

Owner

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date:

General Contractor

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Tyson DeMeyer Title: Project Manager

Signature: Date: 1.18.2022

SECTION 11: SWPPP PREPARER CERTIFICATION

Instructions:

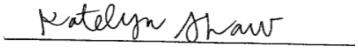
Starting January 1, 2021: A SWPPP writer for a site greater than 5 acres, with a perennial surface water within 50 feet of the project, or with a steep slope (70% or 35 degrees or more) must hold a certification to demonstrate that they are a "qualified person" per CGP Part 7.2..

SWPPP Preparer

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Katelyn Shaw | Title: Project Manager Assistant

Signature: | Date: 1.18.2022



SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps

Appendix B – NOI

Appendix C – Inspection Reports

Appendix D –Corrective Action Report

Appendix E – Subcontractor Certifications/Agreements/Delegation of Authority (see CGP 9.16(1)b.)

Appendix F – Training Logs and Certifications (see CGP 6)

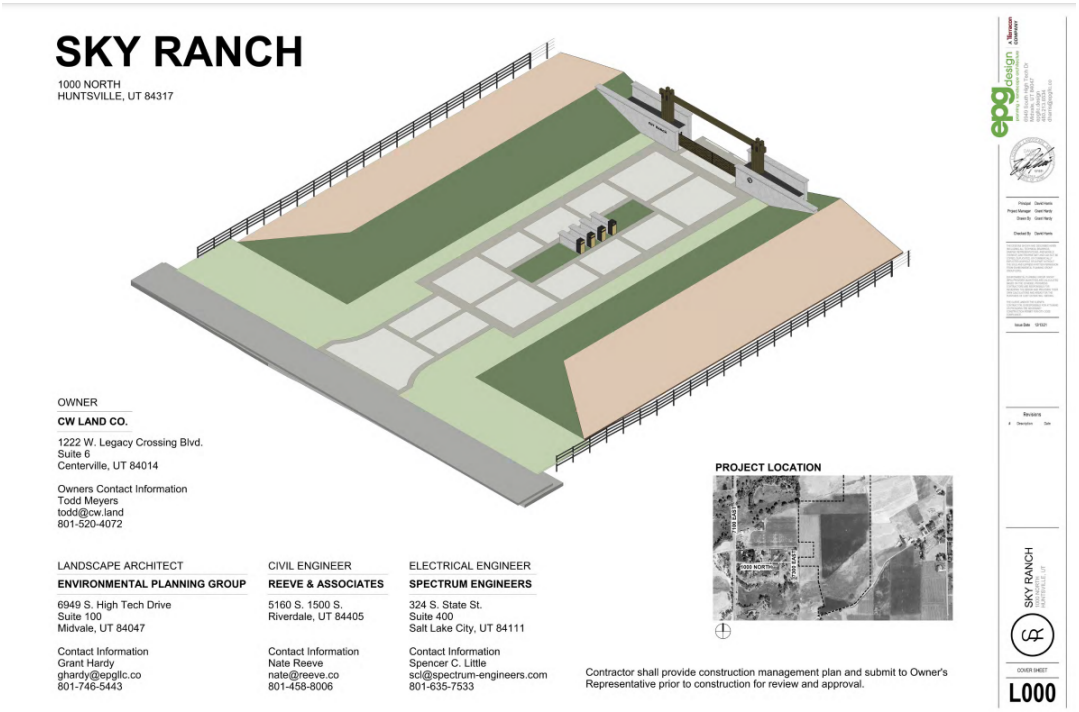
Appendix G – Additional Information (i.e., Other permits such as dewatering, stream alteration, wetland; and out of date swppp documents)

Appendix H – BMP Instruction and Detail Specifications

Appendix I – Construction General Permit

Appendix A: Site Maps

Include any site maps in this appendix. For site map requirements review SWPPP section 2.5.



SKY RANCH

1000 NORTH
HUNTSVILLE, UT 84317

OWNER
CW LAND CO.
1222 W. Legacy Crossing Blvd.
Suite 6
Centerville, UT 84014

Owners Contact Information
Todd Meyers
todd@cw.land
801-520-4072

LANDSCAPE ARCHITECT
ENVIRONMENTAL PLANNING GROUP
6949 S. High Tech Drive
Suite 100
Midvale, UT 84047

Contact Information
Grant Hardy
ghardy@epgllc.co
801-746-5443

CIVIL ENGINEER
REEVE & ASSOCIATES
5160 S. 1500 S.
Riverdale, UT 84405

Contact Information
Nate Reeve
nate@reeve.co
801-458-8006

ELECTRICAL ENGINEER
SPECTRUM ENGINEERS
324 S. State St.
Suite 400
Salt Lake City, UT 84111

Contact Information
Spencer C. Little
scl@spectrum-engineers.com
801-635-7533

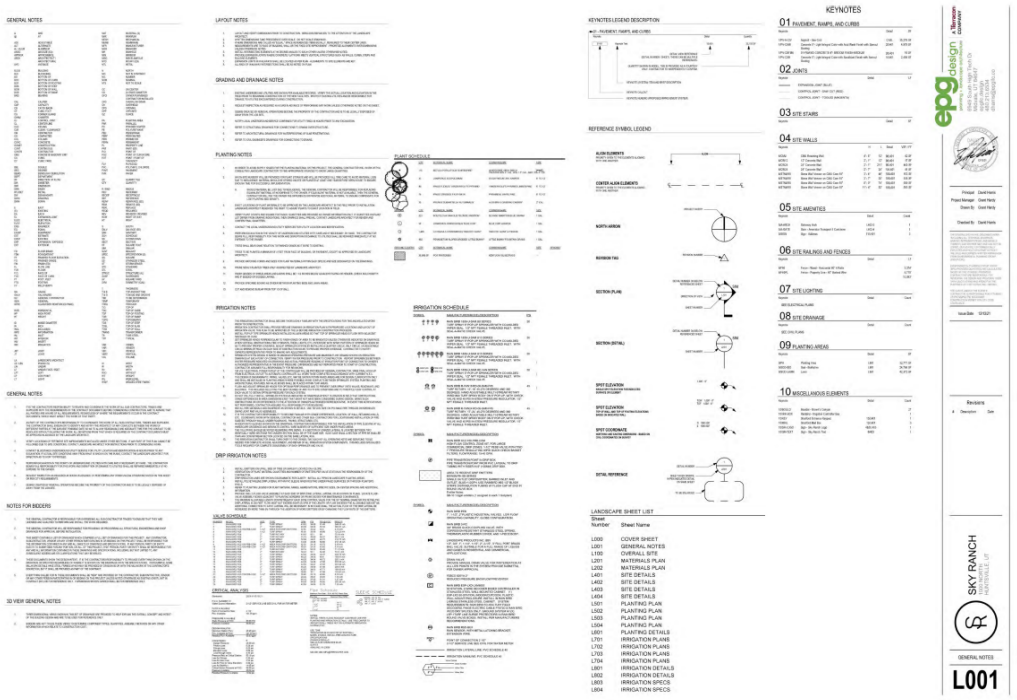
PROJECT LOCATION

Contractor shall provide construction management plan and submit to Owner's Representative prior to construction for review and approval.

epg design

SKY RANCH

L000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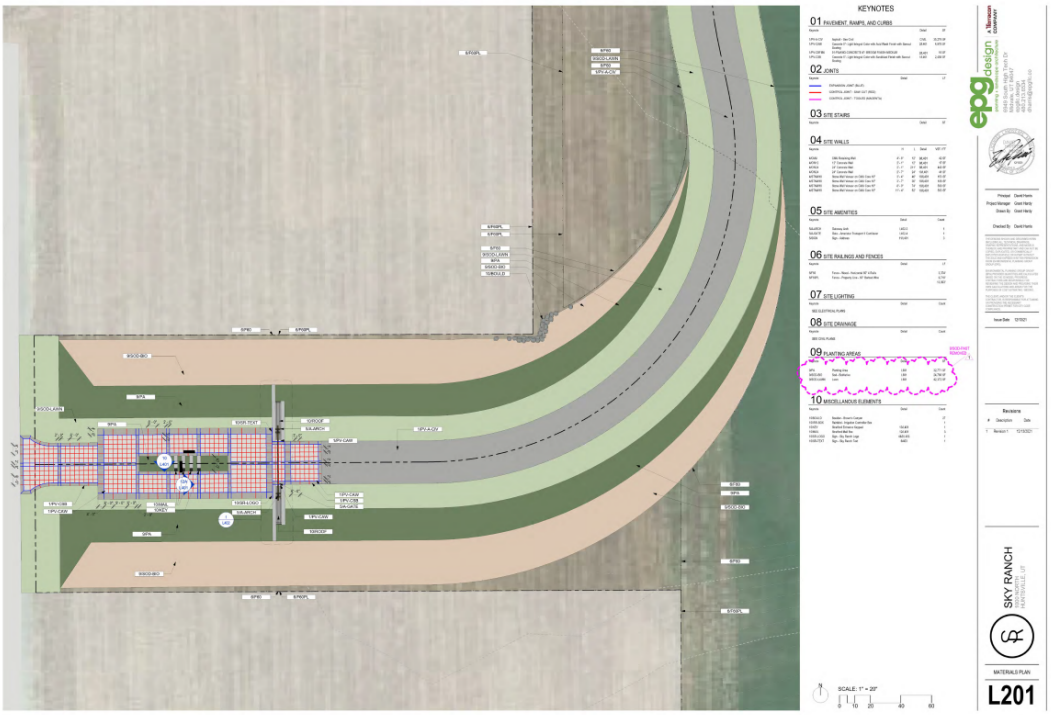
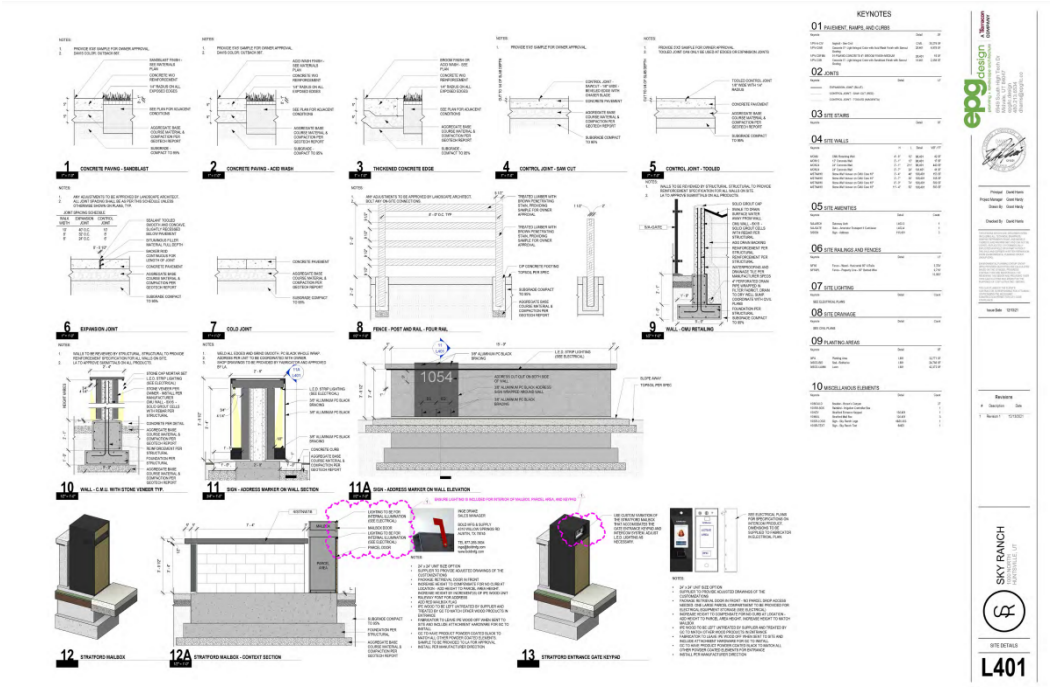
02 JOINTS
03 SITE STAIRS
04 SITE WALLS
05 SITE AMENITIES
06 SITE RAILINGS AND FENCES
07 SITE LIGHTING
08 SITE DRAINAGE
09 PLANTING AREAS
10 MISCELLANEOUS ELEMENTS
epg design
SKY RANCH
L001


LX01
LX02
OUT OF SCOPE
KEYNOTES
epg design
SKY RANCH
L100


KEYNOTES
01 PAVEMENT, RAMPS, AND CURBS
02 JOINTS
03 SITE STAIRS
04 SITE WALLS
05 SITE AMENITIES
06 SITE RAILINGS AND FENCES
07 SITE LIGHTING
08 SITE DRAINAGE
09 PLANTING AREAS
10 MISCELLANEUS ELEMENTS
epg design
SKY RANCH
MATERIALS PLAN
L201


KEYNOTES
01 PAVEMENT, RAMPS, AND CURBS
02 JOINTS
03 SITE STAIRS
04 SITE WALLS
05 SITE AMENITIES
06 SITE RAILINGS AND FENCES
07 SITE LIGHTING
08 SITE DRAINAGE
09 PLANTING AREAS
10 MISCELLANEUS ELEMENTS
epg design
SKY RANCH
MATERIALS PLAN
L202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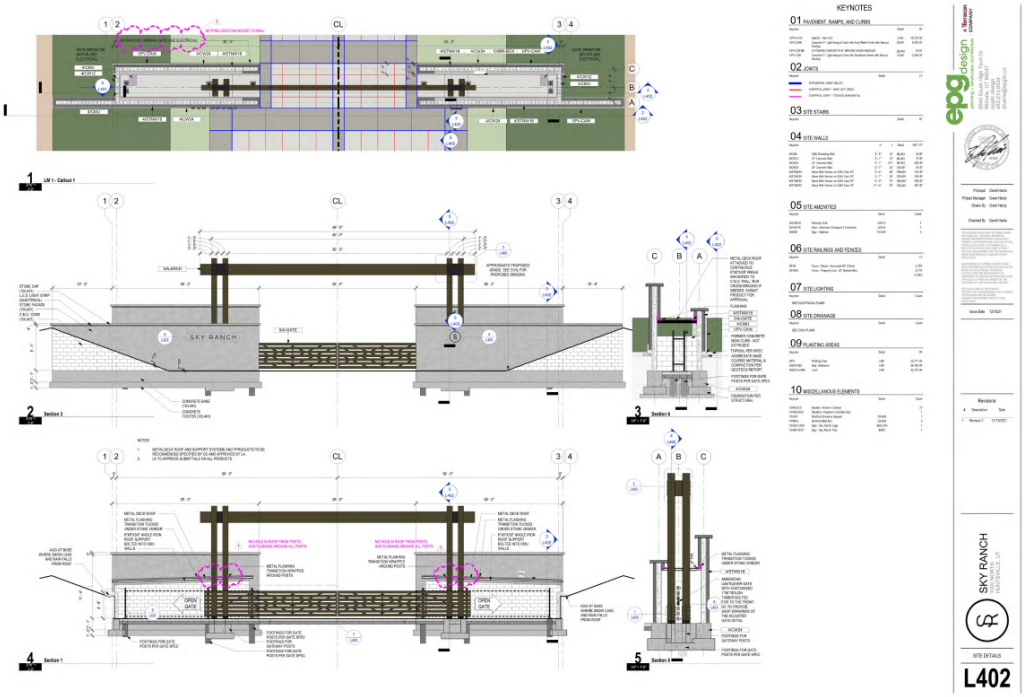
SKY RANCH
L401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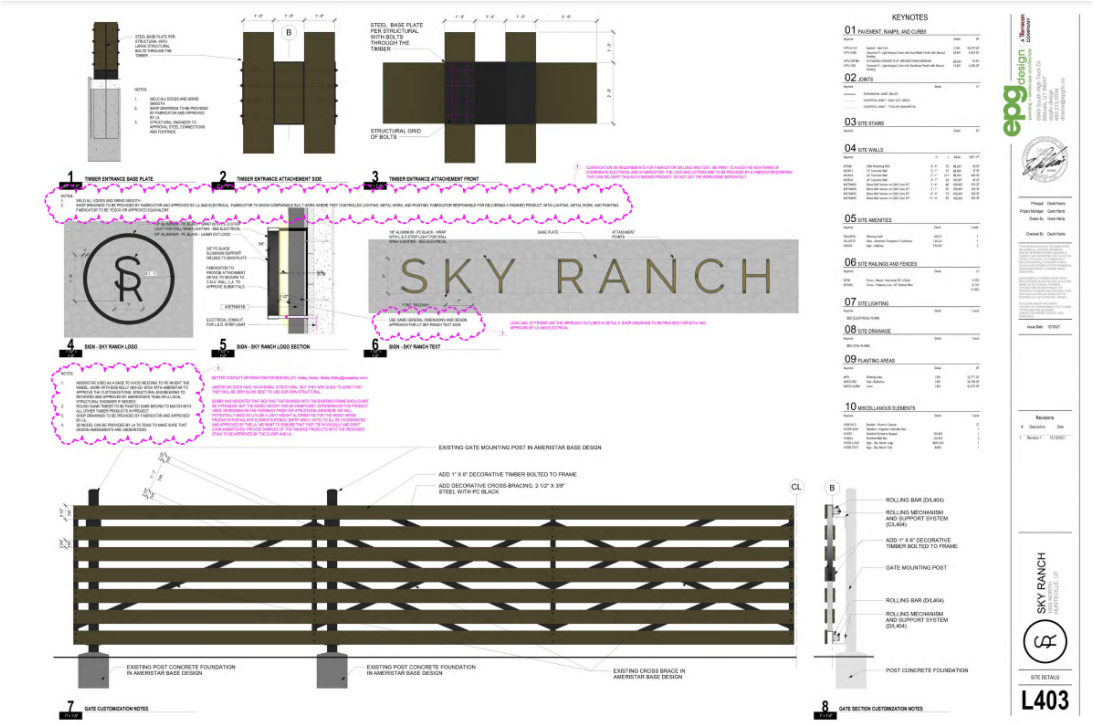
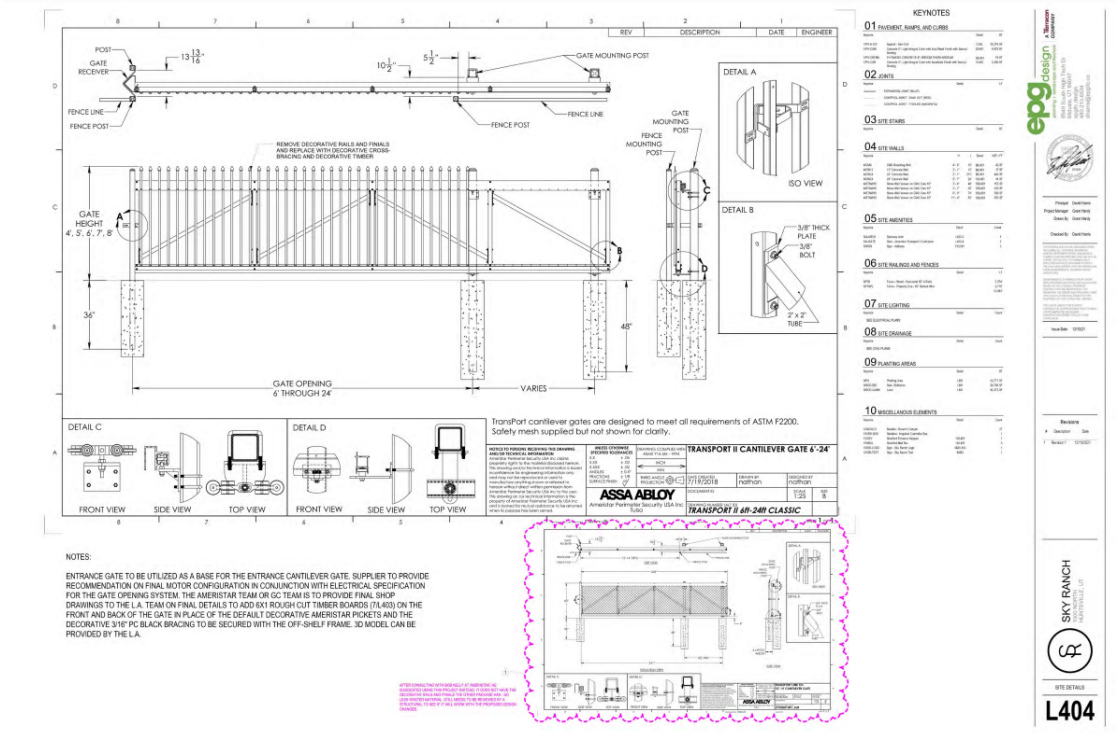
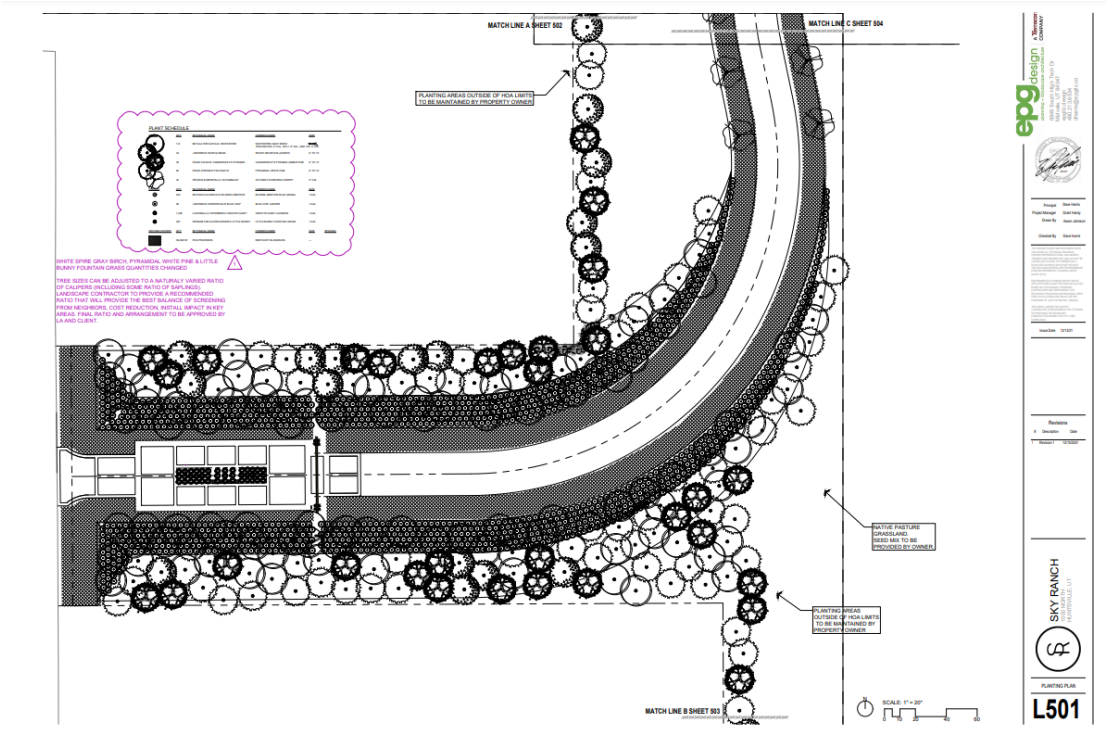
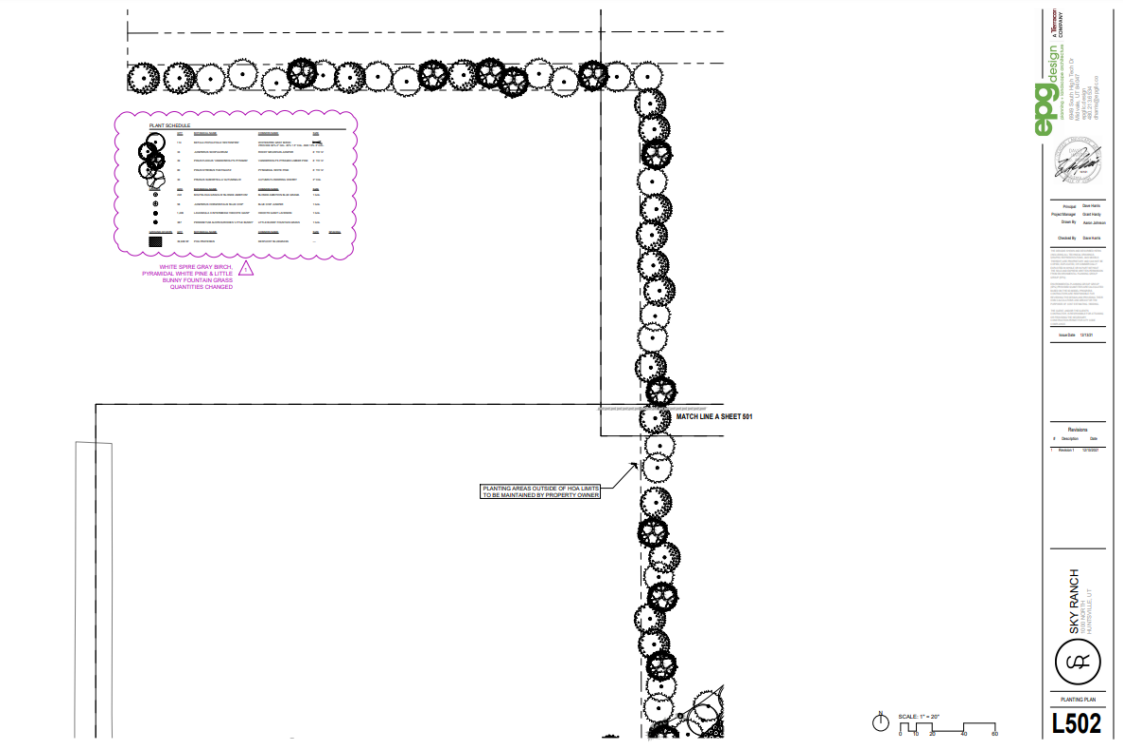
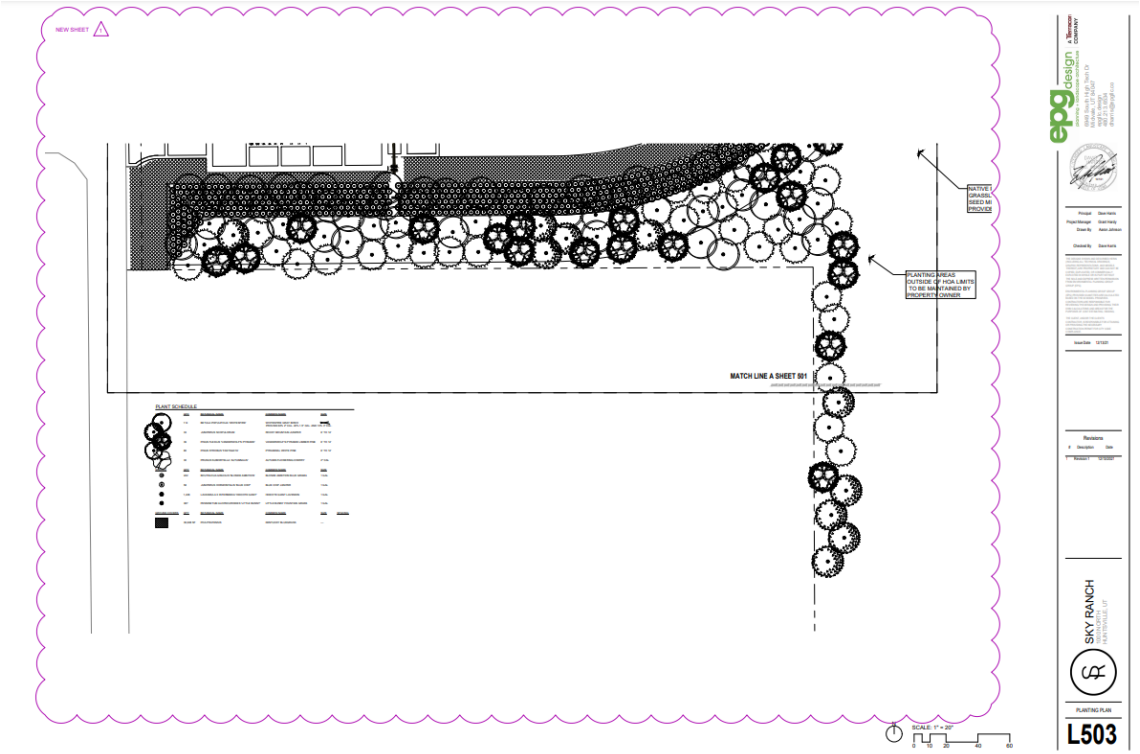
SKY RANCH
L402

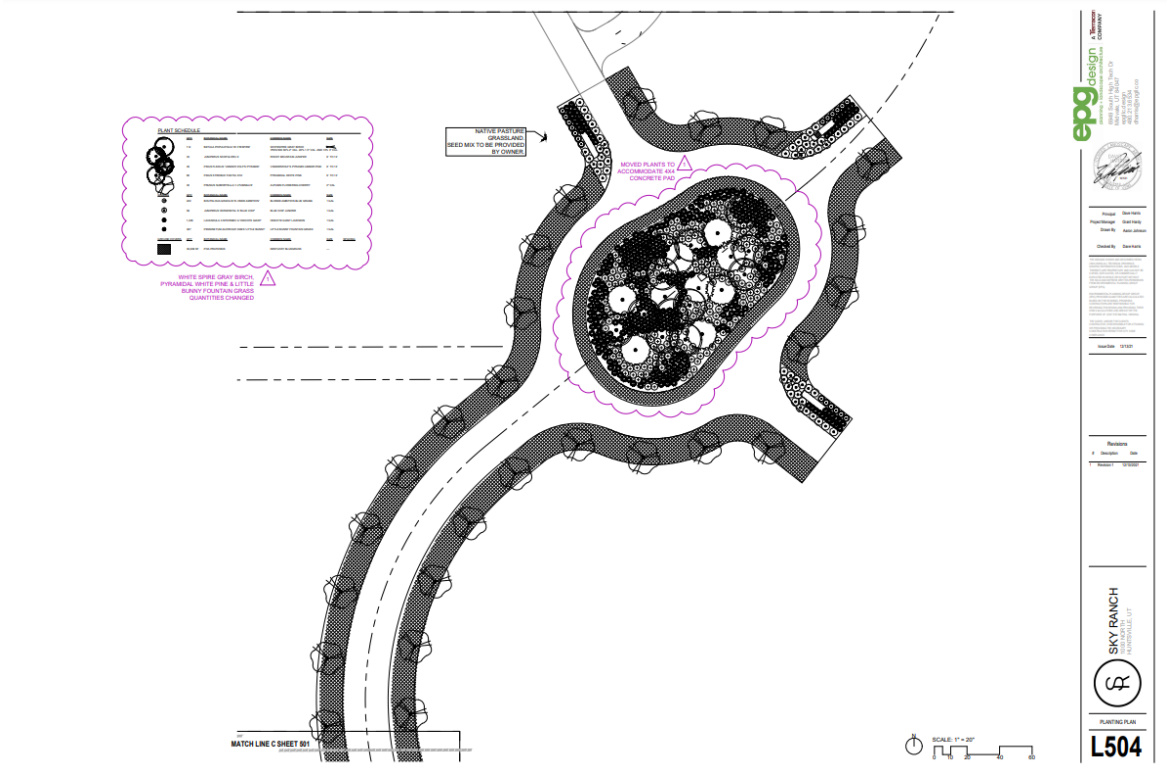

KEYNOTES
SKY RANCH
EXISTING GATE MOUNTING POST IN AMERISTAR BASE DESIGN
ADD 1" X 6" DECORATIVE TIMBER BOLTED TO FRAME
ADD DECORATIVE CROSS-BRACING, 2 1/2" X 3/8" STEEL WITH PC BLACK
EXISTING POST CONCRETE FOUNDATION IN AMERISTAR BASE DESIGN
EXISTING CROSS BRACE IN AMERISTAR BASE DESIGN
ROLLING BAR (DL404)
ROLLING MECHANISM AND SUPPORT SYSTEM (CL404)
GATE MOUNTING POST
POST CONCRETE FOUNDATION
SKY RANCH
L403

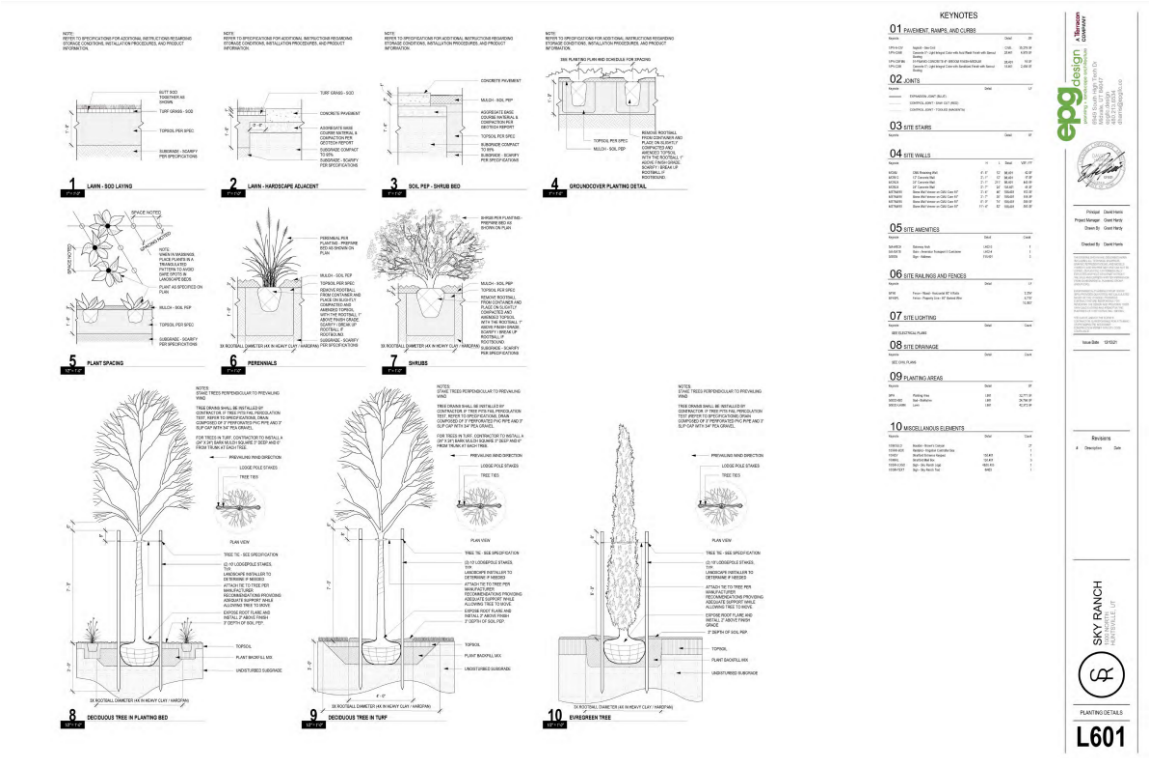

KEYNOTES
POST
GATE RECEIVER
FENCE LINE
FENCE POST
GATE MOUNTING POST
REMOVE DECORATIVE RAILS AND FINIALS AND REPLACE WITH DECORATIVE CROSS-BRACING AND DECORATIVE TIMBER
GATE HEIGHT 4', 5', 6', 7', 8'
36"
48"
GATE OPENING 6' THROUGH 24'
VARIES
DETAIL A
ISO VIEW
DETAIL B
3/8" THICK PLATE
3/8" BOLT
2" x 2" TUBE
DETAIL C
FRONT VIEW
SIDE VIEW
TOP VIEW
DETAIL D
TransPort cantilever gates are designed to meet all requirements of ASTM F2200. Safety mesh supplied but not shown for clarity.
TRANSPORT II CANTILEVER GATE 6'-24'
ASSA ABLOY
TRANSPORT II 6ft-24ft CLASSIC
NOTES:
ENTRANCE GATE TO BE UTILIZED AS A BASE FOR THE ENTRANCE CANTILEVER GATE. SUPPLIER TO PROVIDE RECOMMENDATION ON FINAL MOTOR CONFIGURATION IN CONJUNCTION WITH ELECTRICAL SPECIFICATION FOR THE GATE OPENING SYSTEM. THE AMERISTAR TEAM OR GC TEAM IS TO PROVIDE FINAL SHOP DRAWINGS TO THE L.A. TEAM ON FINAL DETAILS TO ADD 6X1 ROUGH CUT TIMBER BOARDS (7/L403) ON THE FRONT AND BACK OF THE GATE IN PLACE OF THE DEFAULT DECORATIVE AMERISTAR PICKETS AND THE DECORATIVE 3/16" PC BLACK BRACING TO BE SECURED WITH THE OFF-SHELF FRAME. 3D MODEL CAN BE PROVIDED BY THE L.A.
SKY RANCH
L404

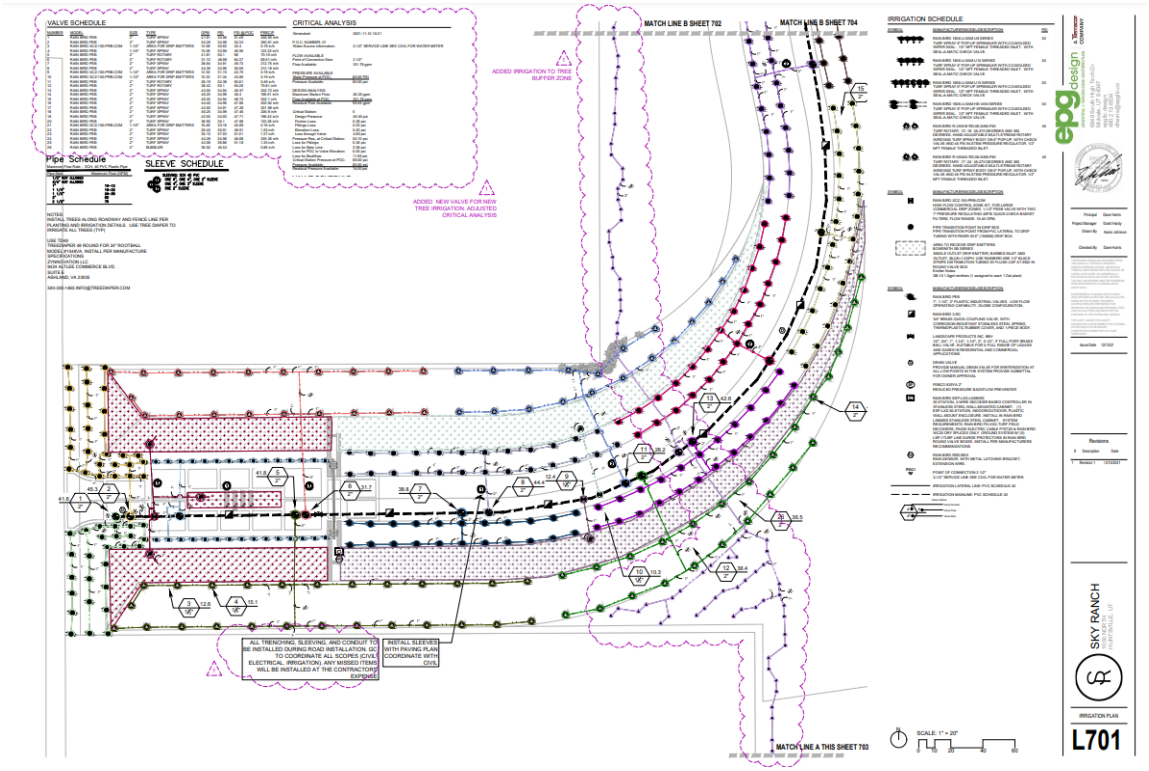

MATCH LINE A SHEET 502
MATCH LINE C SHEET 504
PLANTING AREAS OUTSIDE OF HOA LIMITS TO BE MAINTAINED BY PROPERTY OWNER
PLANT SCHEDULE
WHITE SPIRE GRAY BIRCH, PYRAMIDAL WHITE PINE & LITTLE BUNNY FOUNTAIN GRASS QUANTITIES CHANGED
TREE SIZES CAN BE ADJUSTED TO A NATURALY VARIED RATIO OF CALIPERS (INCLUDING SOME RATIO OF SAPLINGS). LANDSCAPE CONTRACTOR TO PROVIDE A RECOMMENDED RATIO THAT WILL PROVIDE THE BEST BALANCE OF SCREENING FROM NEIGHBORS, COST REDUCTION, INSTALL IMPACT IN KEY AREAS. FINAL RATIO AND ARRANGEMENT TO BE APPROVED BY LA AND CLIENT.
NATIVE PASTURE GRASSLAND. SEED MIX TO BE PROVIDED BY OWNER.
PLANTING AREAS OUTSIDE OF HOA LIMITS TO BE MAINTAINED BY PROPERTY OWNER
MATCH LINE B SHEET 503
SCALE: 1" = 20'
epg design
SKY RANCH
PLANTING PLAN
L501

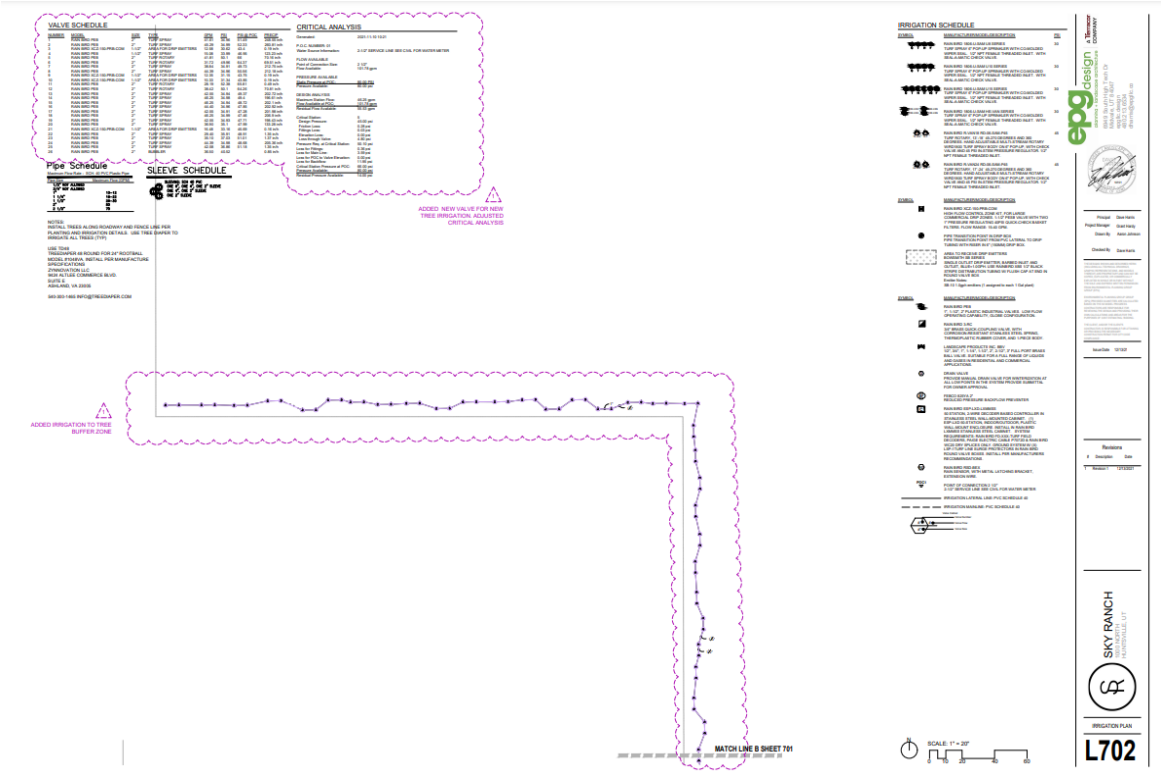

PLANT SCHEDULE
WHITE SPIRE GRAY BIRCH, PYRAMIDAL WHITE PINE & LITTLE BUNNY FOUNTAIN GRASS QUANTITIES CHANGED
MATCH LINE A SHEET 501
PLANTING AREAS OUTSIDE OF HOA LIMITS TO BE MAINTAINED BY PROPERTY OWNER
SCALE: 1" = 20'
epg design
SKY RANCH
PLANTING PLAN
L502

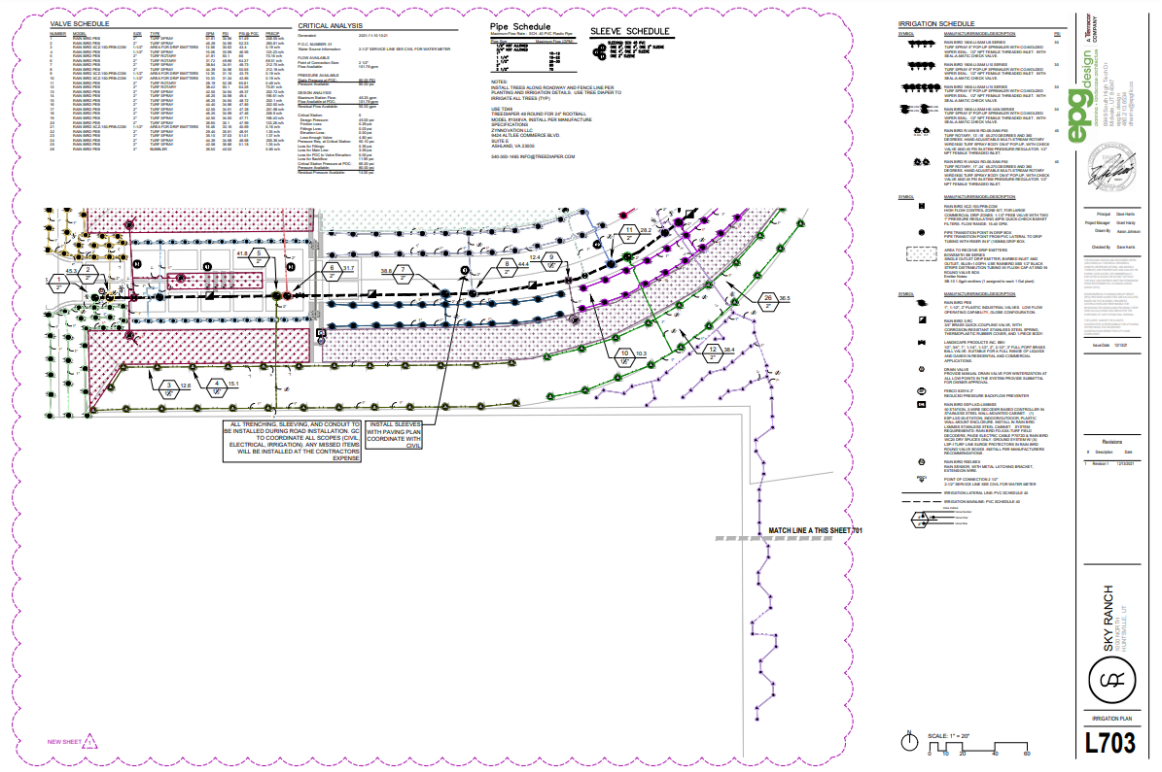

NEW SHEET
NATIVE GRASS SEED MI PROVIDE
PLANTING AREAS OUTSIDE OF HOA LIMITS TO BE MAINTAINED BY PROPERTY OWNER
MATCH LINE A SHEET 501
PLANT SCHEDULE
SCALE: 1" = 20'
epg design
SKY RANCH
PLANTING PLAN
L503

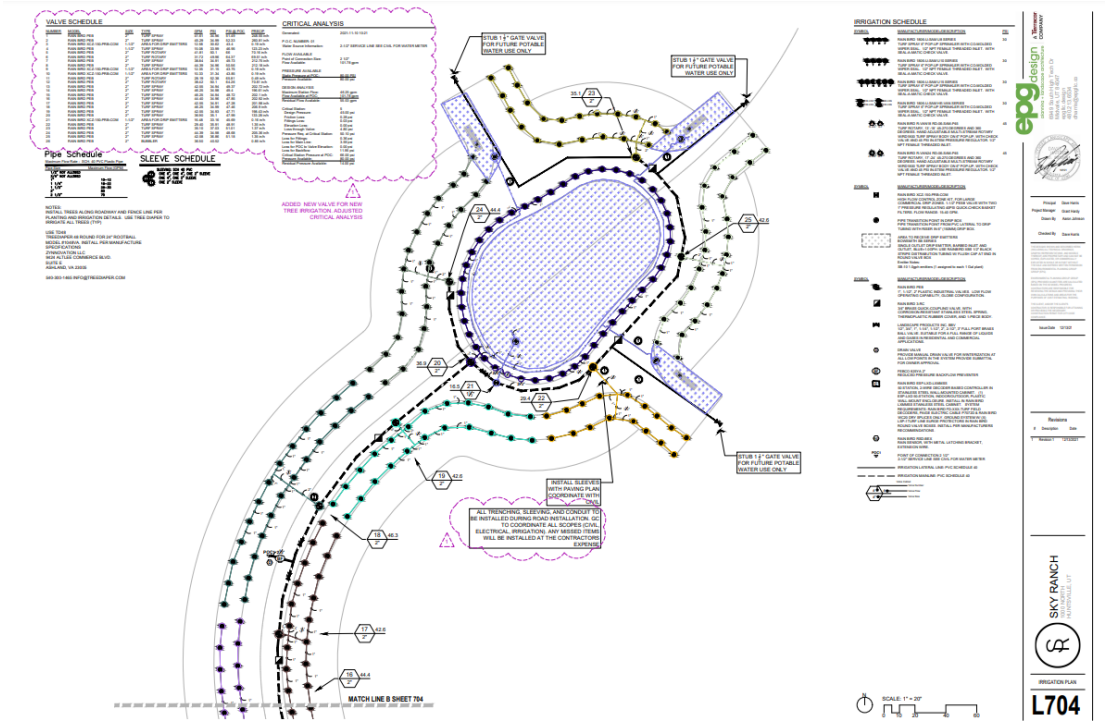

PLANT SCHEDULE
NATIVE PASTURE GRASSLAND SEED MIX TO BE PROVIDED BY OWNER.
MOVED PLANTS TO ACCOMMODATE 4X4 CONCRETE PAD
WHITE SPIRE GRAY BIRCH, PYRAMIDAL WHITE PINE & LITTLE BUNNY FOUNTAIN GRASS QUANTITIES CHANGED
MATCH LINE C SHEET 501
SCALE: 1" = 20'
epg design
SKY RANCH
PLANTING PLAN
L504

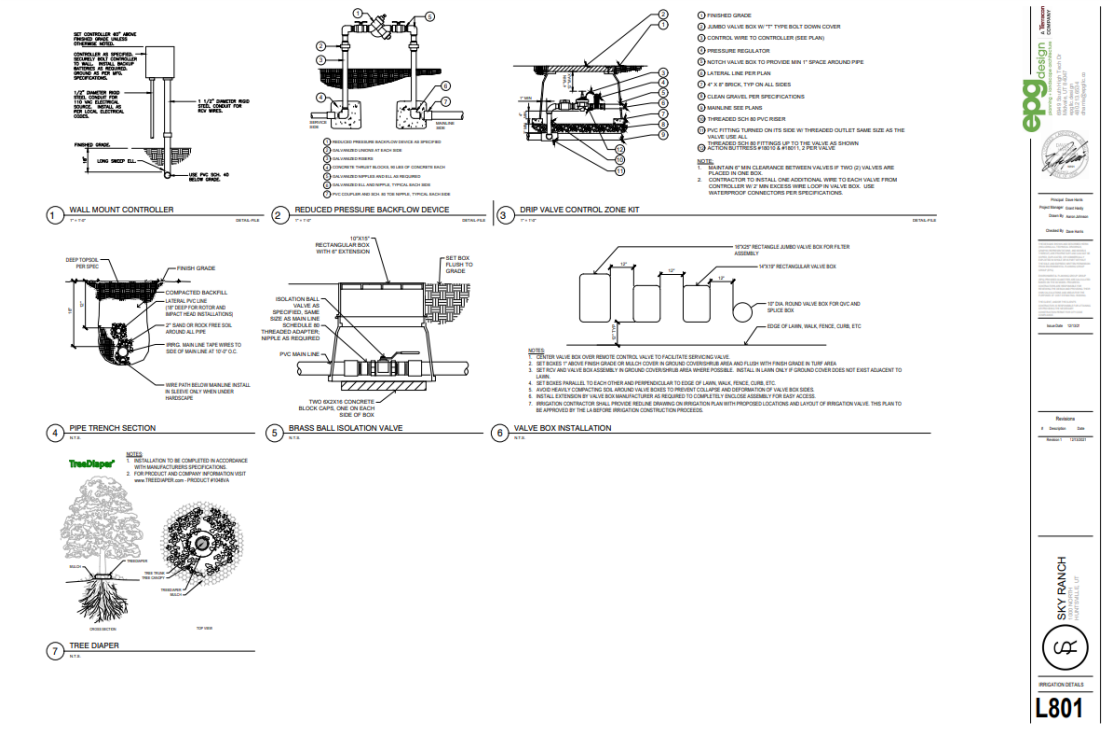

KEYNOTES
01 PAVEMENT, RAMPS, AND CURBS
02 JOINTS
03 SITE STAIRS
04 SITE WALLS
05 SITE AMENITIES
06 SITE RAILINGS AND FENCES
07 SITE LIGHTING
08 SITE DRAINAGE
09 PLANTING AREAS
10 MISCELLANOUS ELEMENTS
1 LAWN - SOD LAYING
2 LAWN - HARDSCAPE ADJACENT
3 SOIL PEP - SHRUB BED
4 GROUNDCOVER PLANTING DETAIL
5 PLANT SPACING
6 PERENNIALS
7 SHRUBS
8 DECIDUOUS TREE IN PLANTING BED
9 DECIDUOUS TREE IN TURF
10 EVERGREEN TREE
epg design
SKY RANCH
PLANTING DETAILS
L601

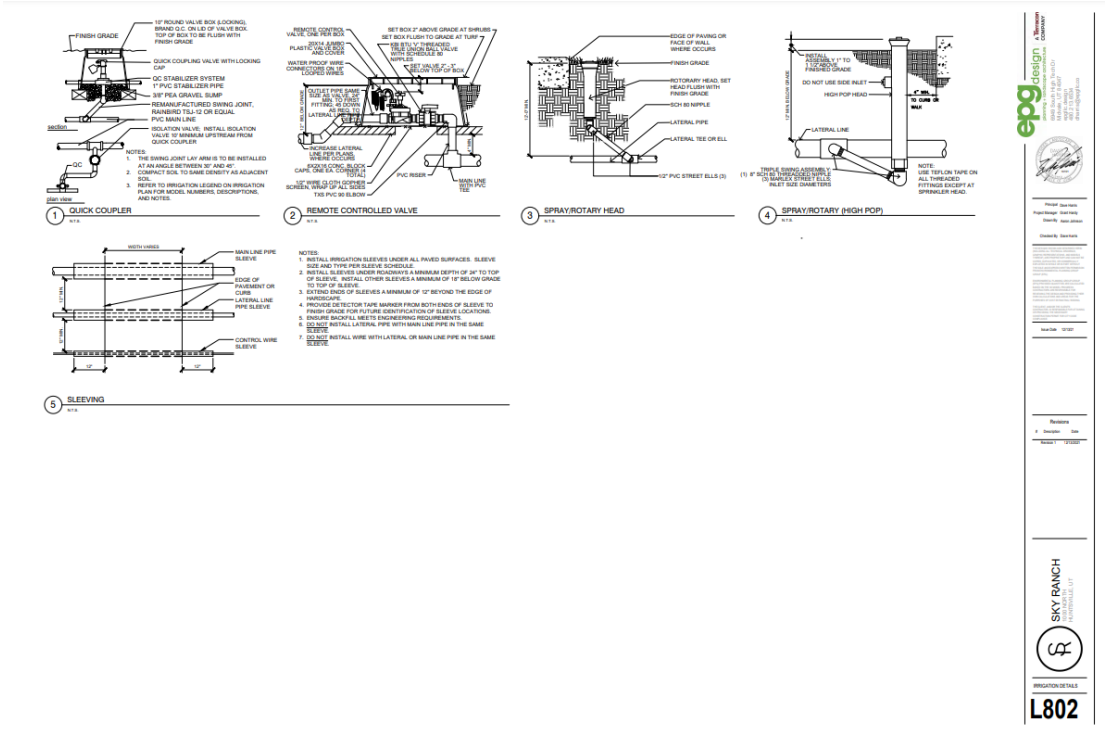

VALVE SCHEDULE
CRITICAL ANALYSIS
Pipe Schedule
SLEEVE SCHEDULE
ADDED IRRIGATION TO TREE BUFFER ZONE
ADDED NEW VALVE FOR NEW TREE IRRIGATION. ADJUSTED CRITICAL ANALYSIS
MATCH LINE B SHEET 702
MATCH LINE B SHEET 704
MATCH LINE A THIS SHEET 703
ALL TRENCHING, SLEEVING, AND CONDUIT TO BE INSTALLED DURING ROAD INSTALLATION. GC TO COORDINATE ALL SCOPES (CIVIL, ELECTRICAL, IRRIGATION). ANY MISSED ITEMS WILL BE INSTALLED AT THE CONTRACTORS EXPENSE
INSTALL SLEEVES WITH PAVING PLAN. COORDINATE WITH CIVIL
IRRIGATION SCHEDULE
SCALE: 1" = 20'
epg design
SKY RANCH
IRRIGATION PLAN
L701

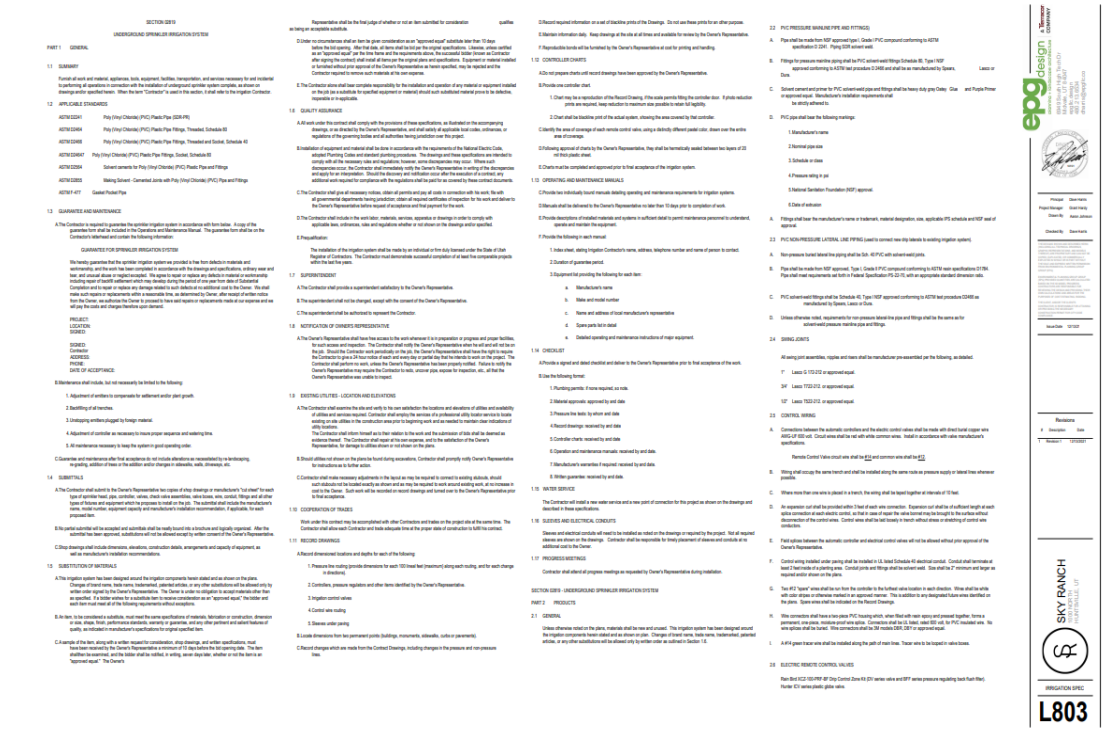

VALVE SCHEDULE
CRITICAL ANALYSIS
Pipe Schedule
SLEEVE SCHEDULE
ADDED NEW VALVE FOR NEW TREE IRRIGATION. ADJUSTED CRITICAL ANALYSIS
ADDED IRRIGATION TO TREE BUFFER ZONE
MATCH LINE B SHEET 701
IRRIGATION SCHEDULE
SCALE: 1" = 20'
SKY RANCH
IRRIGATION PLAN
L702

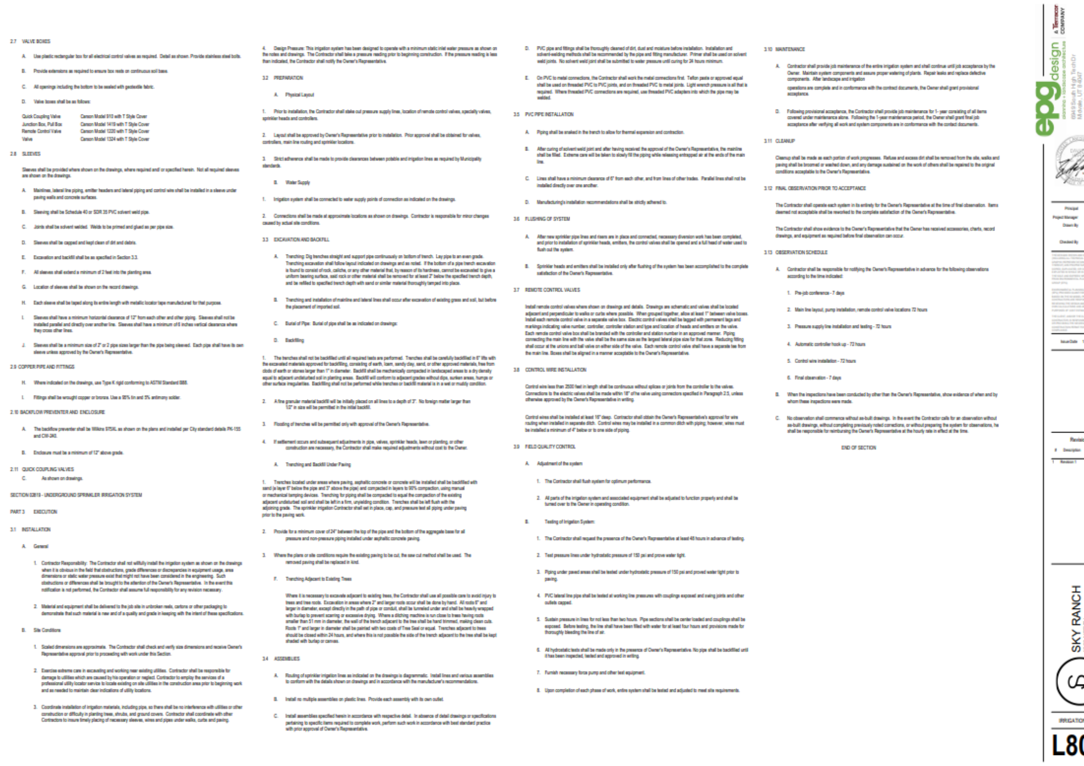

VALVE SCHEDULE
CRITICAL ANALYSIS
Pipe Schedule
SLEEVE SCHEDULE
ALL TRENCHING, SLEEVING, AND CONDUIT TO BE INSTALLED DURING ROAD INSTALLATION. GC TO COORDINATE ALL SCOPES (CIVIL, ELECTRICAL, IRRIGATION). ANY MISSED ITEMS WILL BE INSTALLED AT THE CONTRACTORS EXPENSE
INSTALL SLEEVES WITH PAVING PLAN COORDINATE WITH CIVIL
MATCH LINE A THIS SHEET 701
NEW SHEET
IRRIGATION SCHEDULE
SCALE: 1" = 20'
SKY RANCH
IRRIGATION PLAN
L703

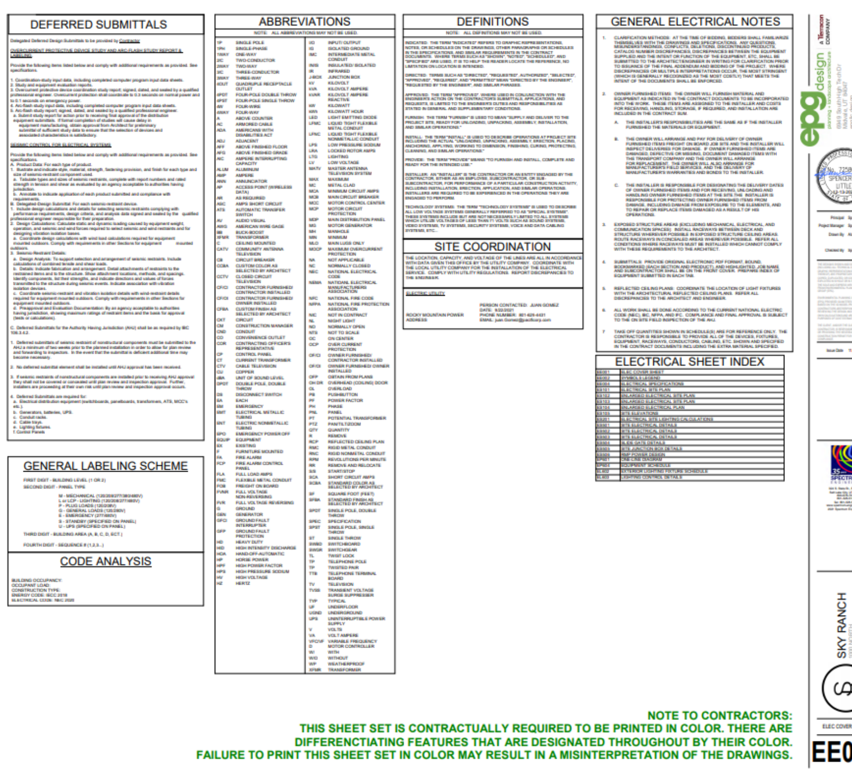

VALVE SCHEDULE
CRITICAL ANALYSIS
IRRIGATION SCHEDULE
Pipe Schedule
SLEEVE SCHEDULE
STUB 1 ½" GATE VALVE FOR FUTURE POTABLE WATER USE ONLY
STUB 1 ½" GATE VALVE FOR FUTURE POTABLE WATER USE ONLY
ADDED NEW VALVE FOR NEW TREE IRRIGATION. ADJUSTED CRITICAL ANALYSIS
INSTALL SLEEVES WITH PAVING PLAN. COORDINATE WITH CIVIL
ALL TRENCHING, SLEEVING, AND CONDUIT TO BE INSTALLED DURING ROAD INSTALLATION. GC TO COORDINATE ALL SCOPES (CIVIL, ELECTRICAL, IRRIGATION). ANY MISSED ITEMS WILL BE INSTALLED AT THE CONTRACTORS EXPENSE
MATCH LINE B SHEET 704
SCALE: 1" = 20'
epg design
SKY RANCH
IRRIGATION PLAN
L704

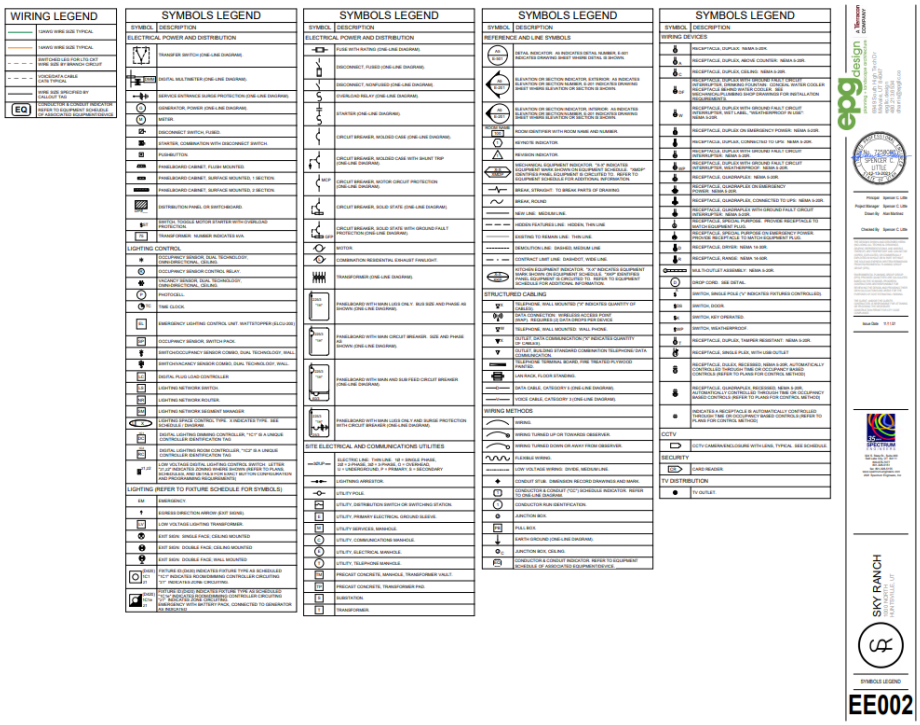

1 WALL MOUNT CONTROLLER
2 REDUCED PRESSURE BACKFLOW DEVICE
3 DRIP VALVE CONTROL ZONE KIT
4 PIPE TRENCH SECTION
5 BRASS BALL ISOLATION VALVE
6 VALVE BOX INSTALLATION
7 TREE DIAPER
TreeDiaper
epg design
SKY RANCH
IRRIGATION DETAILS
L801

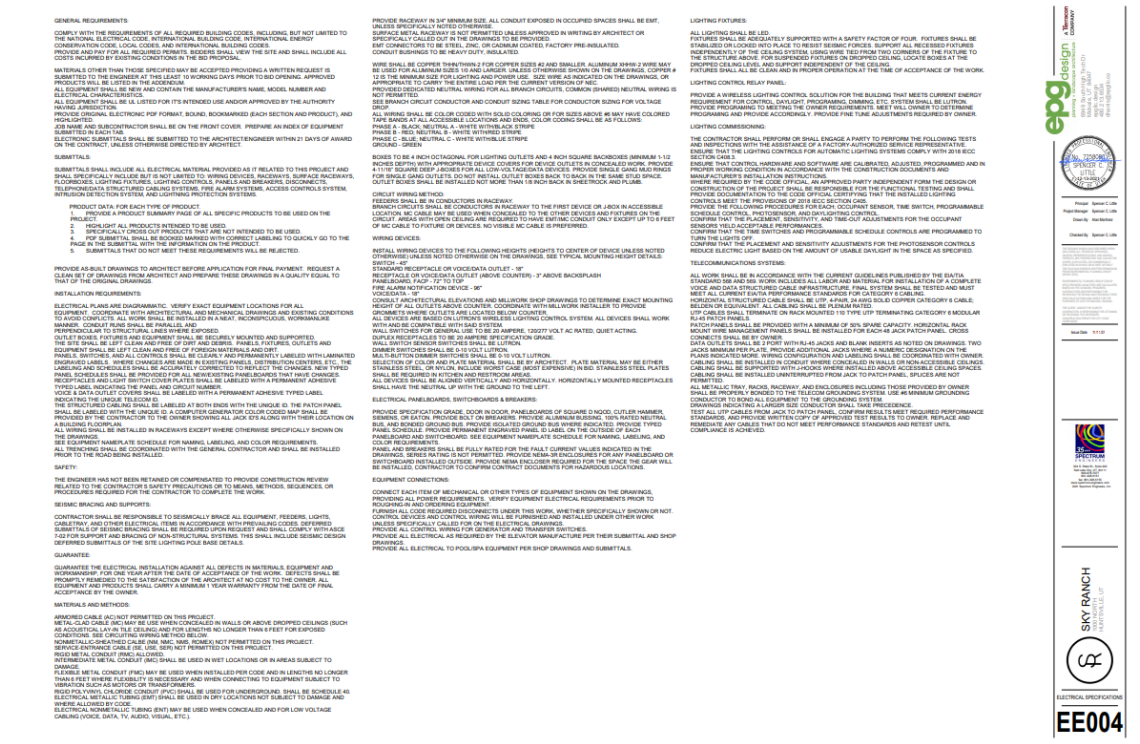

1 QUICK COUPLER
2 REMOTE CONTROLLED VALVE
3 SPRAY/ROTARY HEAD
4 SPRAY/ROTARY (HIGH POP)
5 SLEEVING
epg design
SKY RANCH
IRRIGATION DETAILS
L802


epg design
SKY RANCH
IRRIGATION SPEC
L803


SKY RANCH
IRRIGATION SPEC
L804


DEFERRED SUBMITTALS
ABBREVIATIONS
DEFINITIONS
GENERAL ELECTRICAL NOTES
SITE COORDINATION
GENERAL LABELING SCHEME
CODE ANALYSIS
ELECTRICAL SHEET INDEX
NOTE TO CONTRACTORS:
THIS SHEET SET IS CONTRACTUALLY REQUIRED TO BE PRINTED IN COLOR. THERE ARE
DIFFERENTIATING FEATURES THAT ARE DESIGNATED THROUGHOUT BY THEIR COLOR.
FAILURE TO PRINT THIS SHEET SET IN COLOR MAY RESULT IN A MISINTERPRETATION OF THE DRAWINGS.
SKY RANCH
ELEC COVER SHEET
EE001


WIRING LEGEND
SYMBOLS LEGEND
SYMBOLS LEGEND
SYMBOLS LEGEND
SYMBOLS LEGEND
epg design
SKY RANCH
EE002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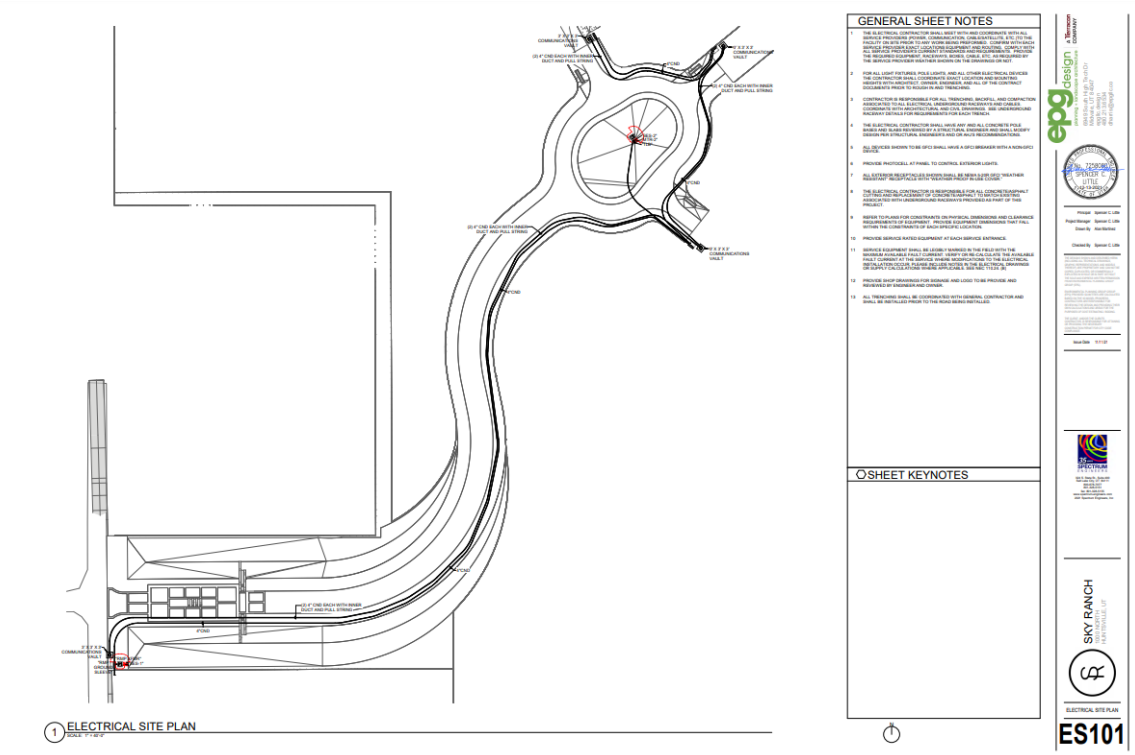
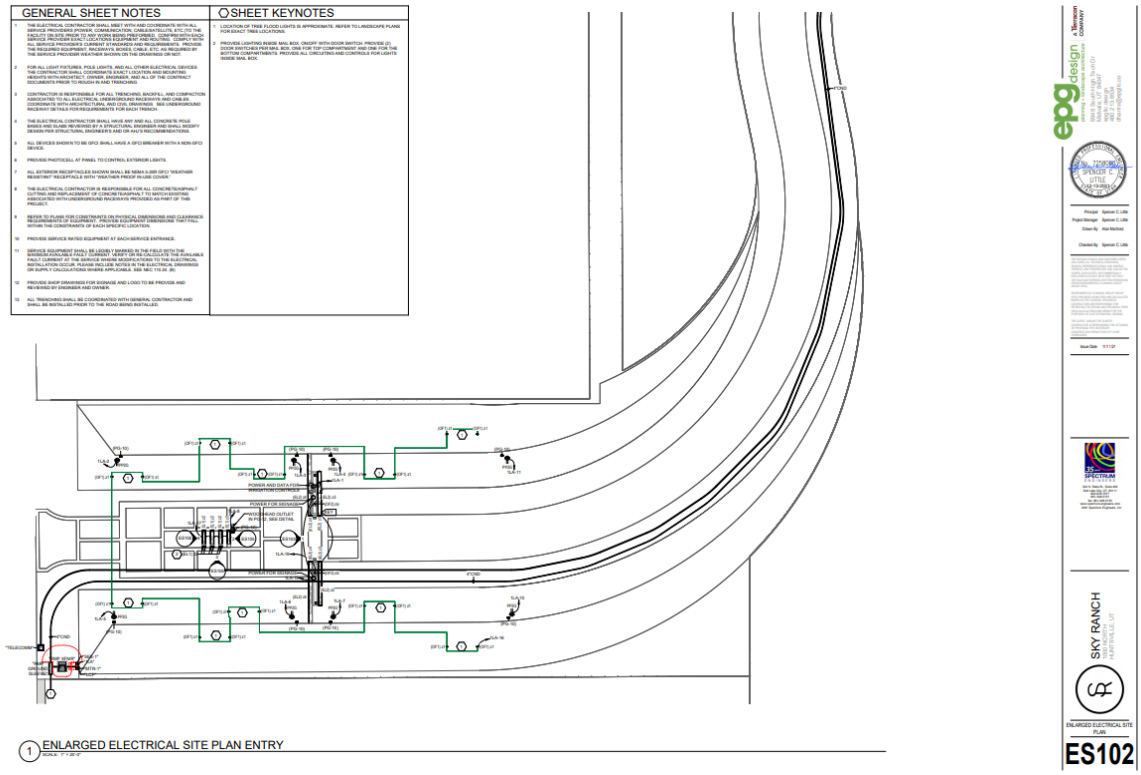
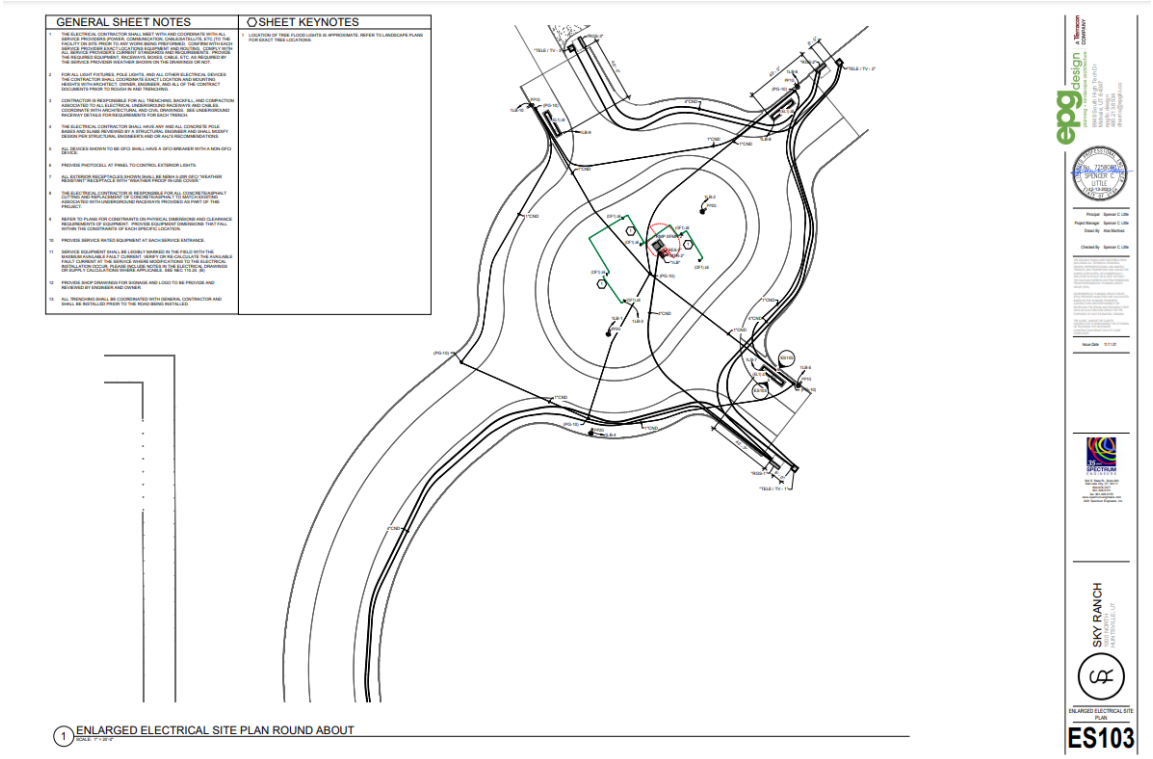
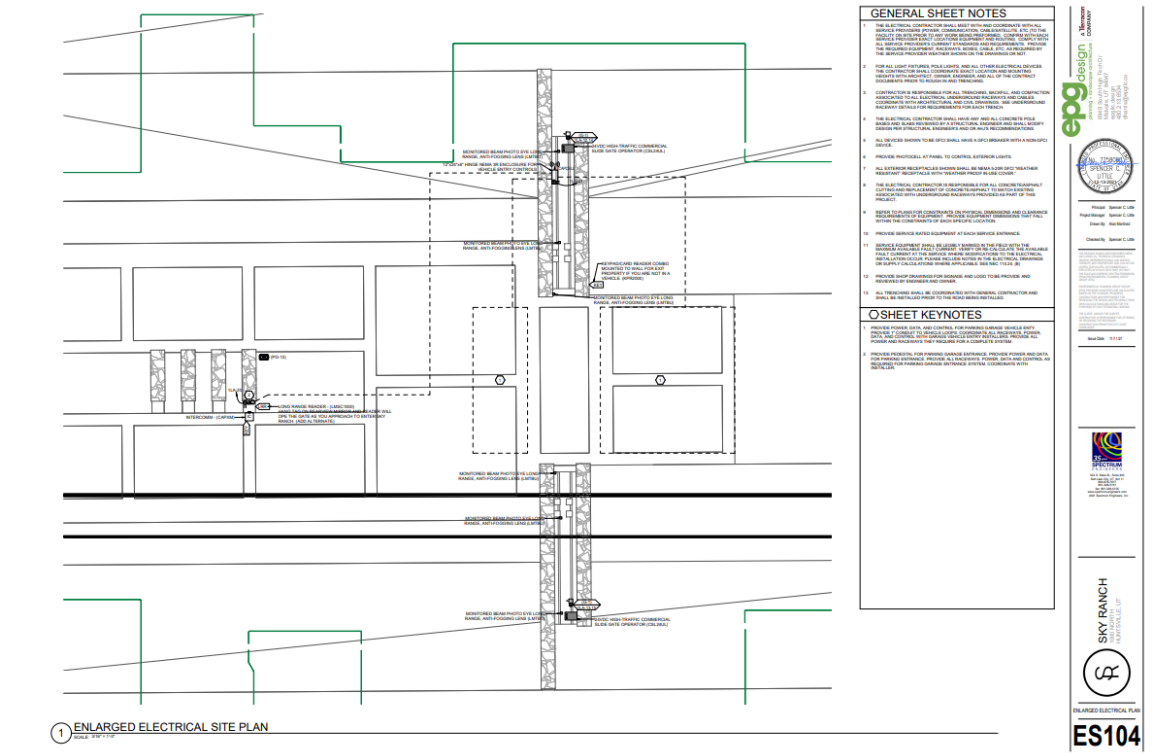
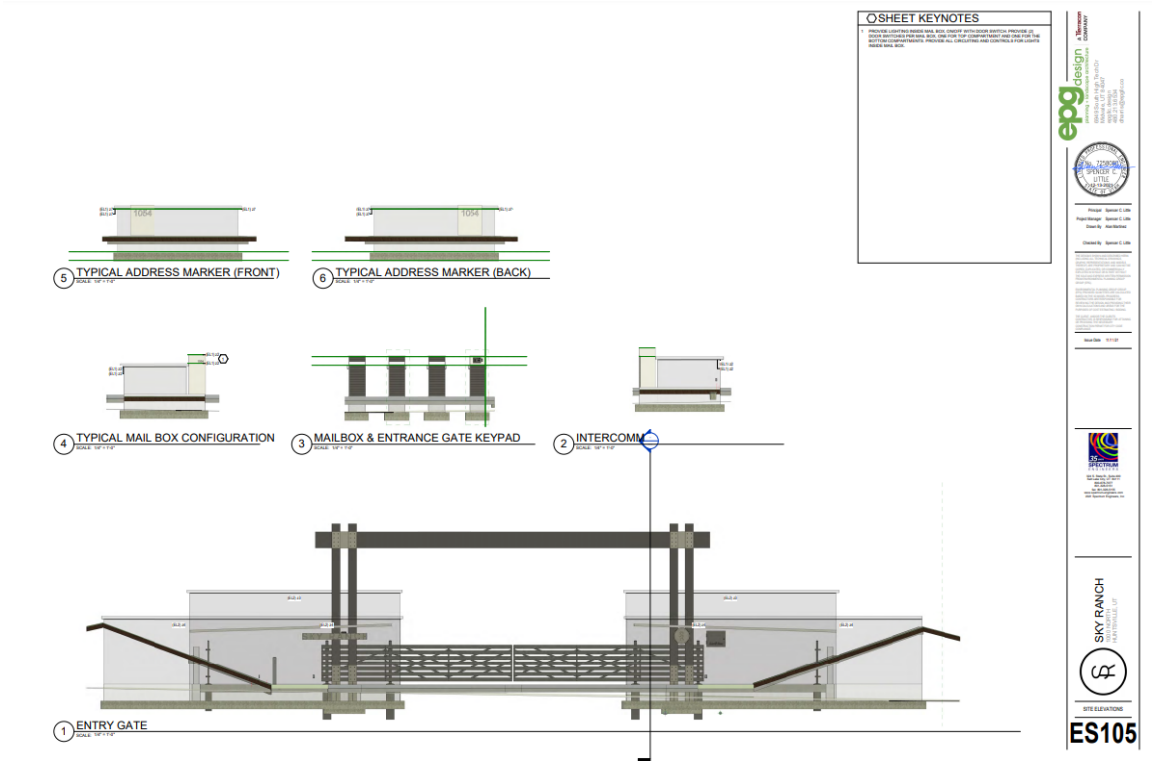
SKY RANCH
EE004

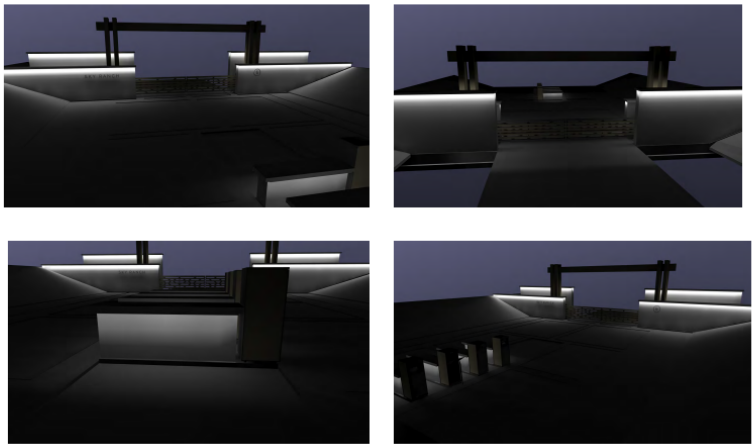

GENERAL SHEET NOTES
SHEET KEYNOTES
ELECTRICAL SITE PLAN
SKY RANCH
ES101

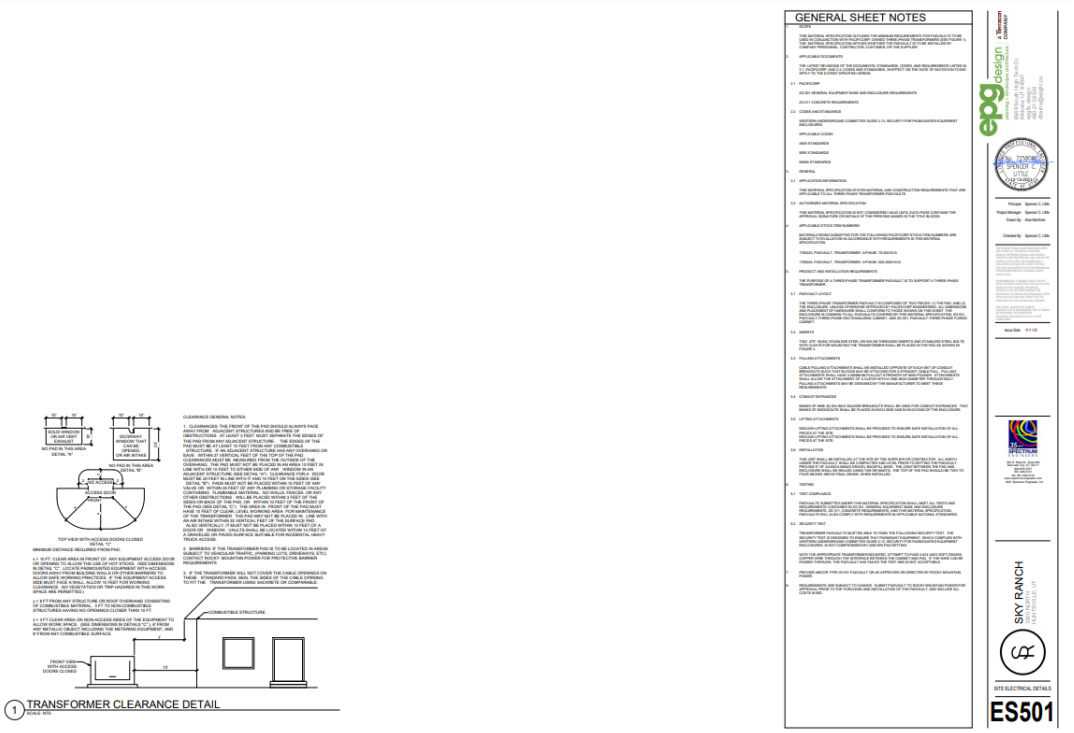

GENERAL SHEET NOTES
SHEET KEYNOTES
ENLARGED ELECTRICAL SITE PLAN ENTRY
SKY RANCH
ES102

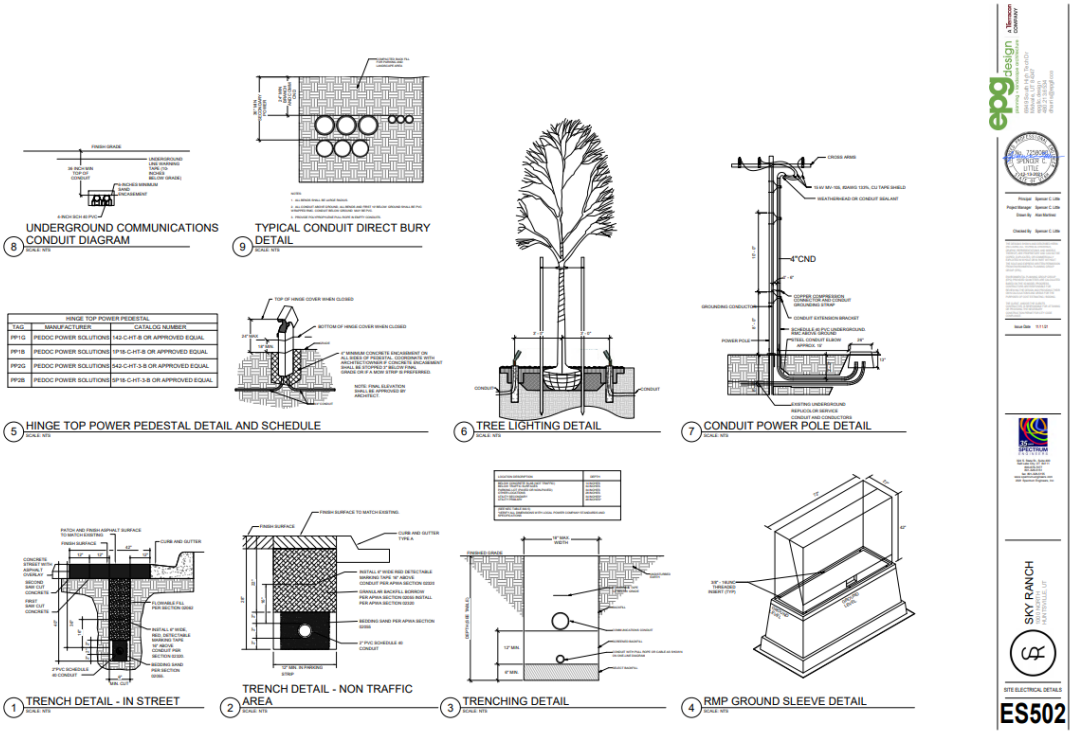

GENERAL SHEET NOTES
SHEET KEYNOTES
ENLARGED ELECTRICAL SITE PLAN ROUND ABOUT
SKY RANCH
ENLARGED ELECTRICAL SITE PLAN
ES103

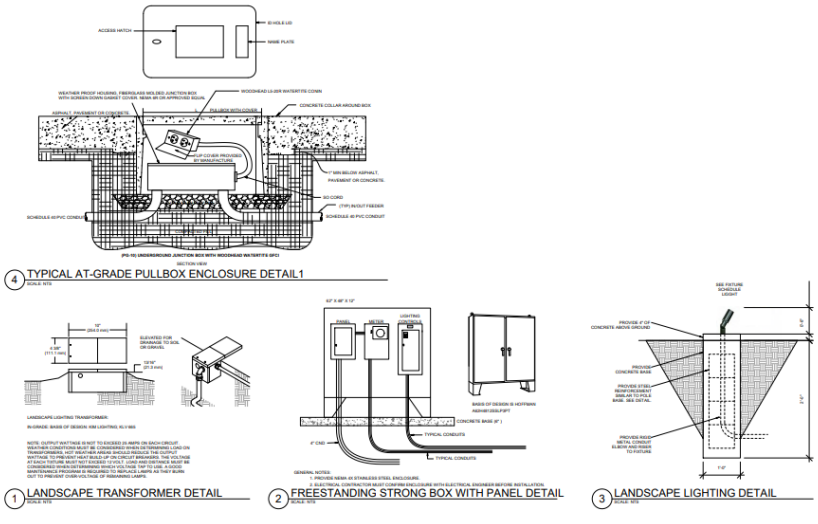

GENERAL SHEET NOTES
SHEET KEYNOTES
ENLARGED ELECTRICAL SITE PLAN
SKY RANCH
ENLARGED ELECTRICAL PLAN
ES104


SHEET KEYNOTES
5 TYPICAL ADDRESS MARKER (FRONT)
6 TYPICAL ADDRESS MARKER (BACK)
4 TYPICAL MAIL BOX CONFIGURATION
3 MAILBOX & ENTRANCE GATE KEYPAD
2 INTERCOM
1 ENTRY GATE
epg design
SKY RANCH
ES105

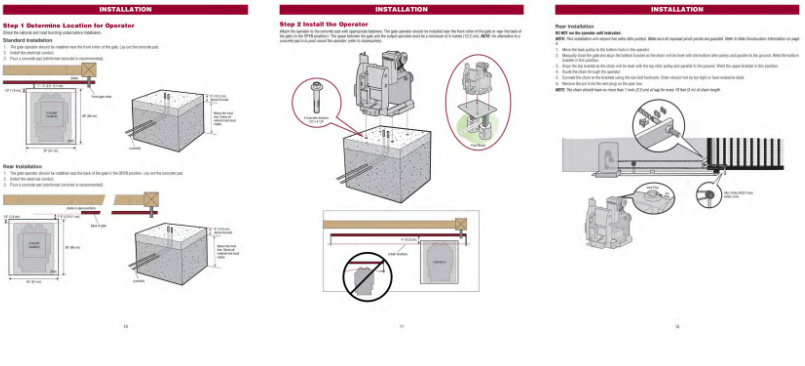

epg design
SKY RANCH
ES201


GENERAL SHEET NOTES
1 TRANSFORMER CLEARANCE DETAIL
epg design
SKY RANCH
SITE ELECTRICAL DETAILS
ES501

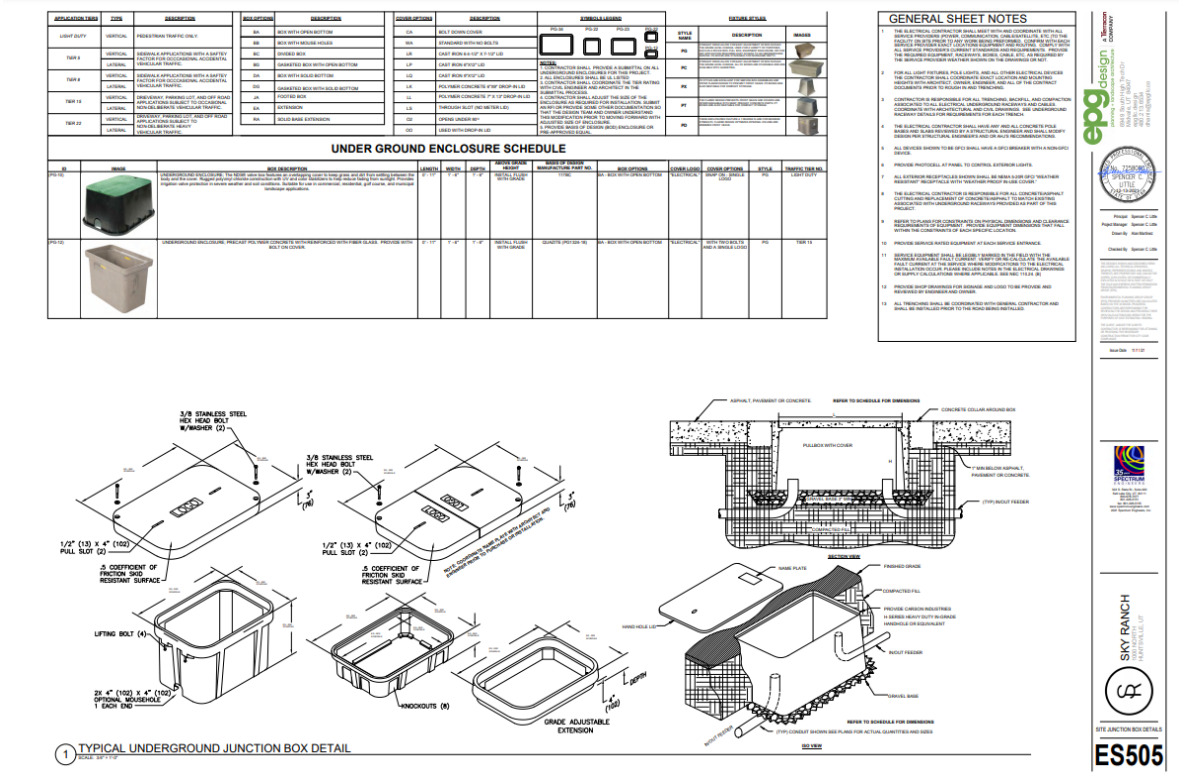

8 UNDERGROUND COMMUNICATIONS CONDUIT DIAGRAM
9 TYPICAL CONDUIT DIRECT BURY DETAIL
HINGE TOP POWER PEDESTAL
TAG | MANUFACTURER | CATALOG NUMBER
PP1G | PEDOC POWER SOLUTIONS | 143-C-HT-B OR APPROVED EQUAL
PP1B | PEDOC POWER SOLUTIONS | 1P1B-C-HT-B OR APPROVED EQUAL
PP2G | PEDOC POWER SOLUTIONS | 543-C-HT-3-B OR APPROVED EQUAL
PP2B | PEDOC POWER SOLUTIONS | 5P1B-C-HT-3-B OR APPROVED EQUAL
5 HINGE TOP POWER PEDESTAL DETAIL AND SCHEDULE
6 TREE LIGHTING DETAIL
7 CONDUIT POWER POLE DETAIL
1 TRENCH DETAIL - IN STREET
2 TRENCH DETAIL - NON TRAFFIC AREA
3 TRENCHING DETAIL
4 RMP GROUND SLEEVE DETAIL
epg design
SKY RANCH
SITE ELECTRICAL DETAILS
ES502

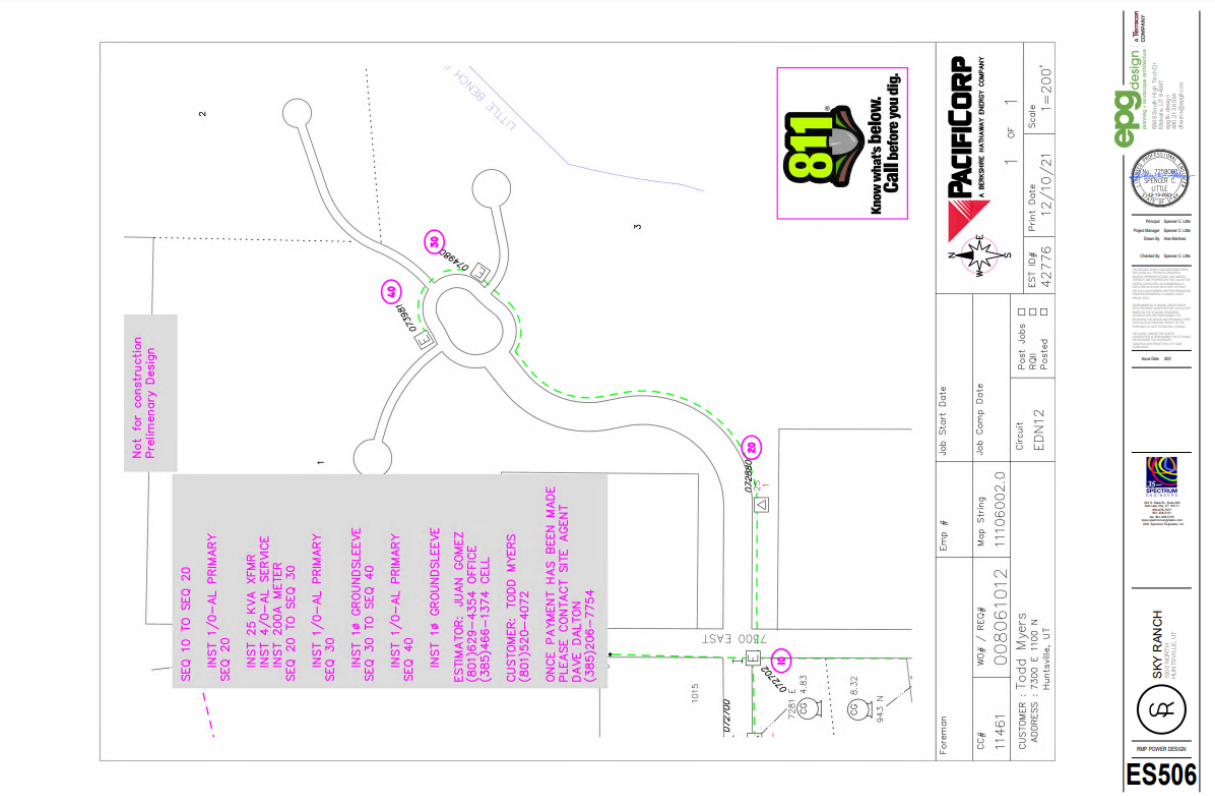

4 TYPICAL AT-GRADE PULLBOX ENCLOSURE DETAIL1
1 LANDSCAPE TRANSFORMER DETAIL
2 FREESTANDING STRONG BOX WITH PANEL DETAIL
3 LANDSCAPE LIGHTING DETAIL

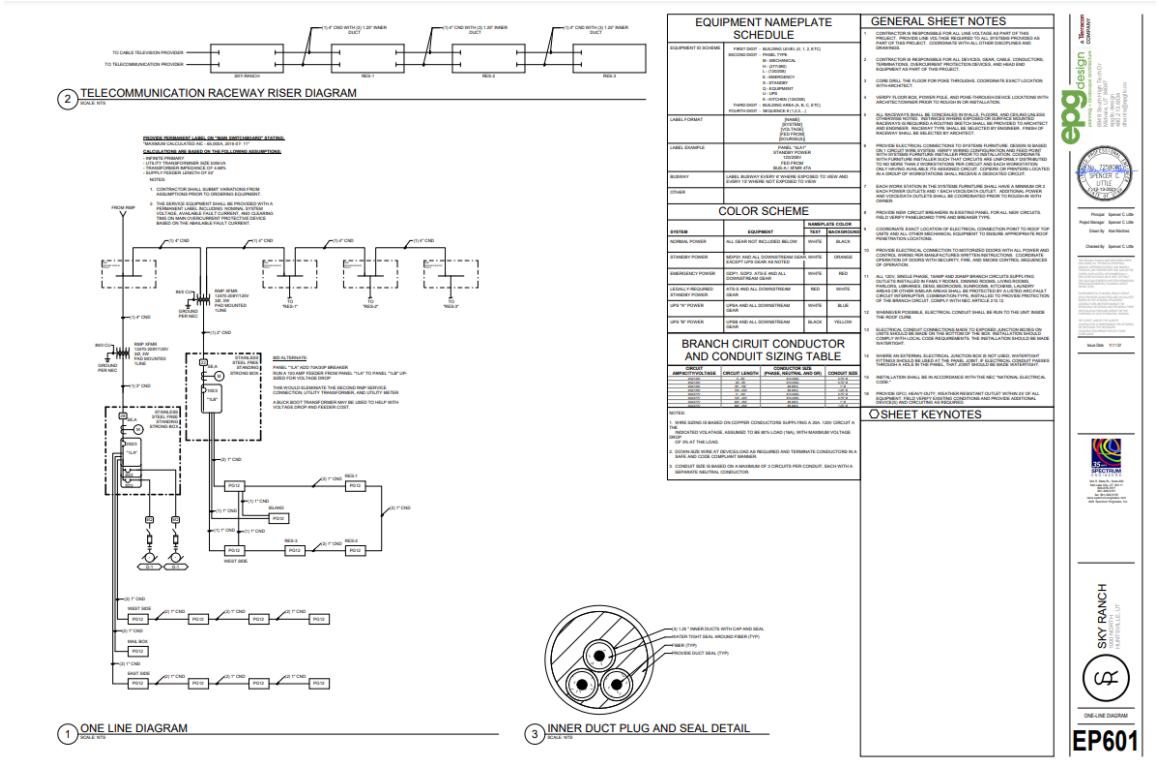

epg design
SKY RANCH
SITE ELECTRICAL DETAILS
ES503

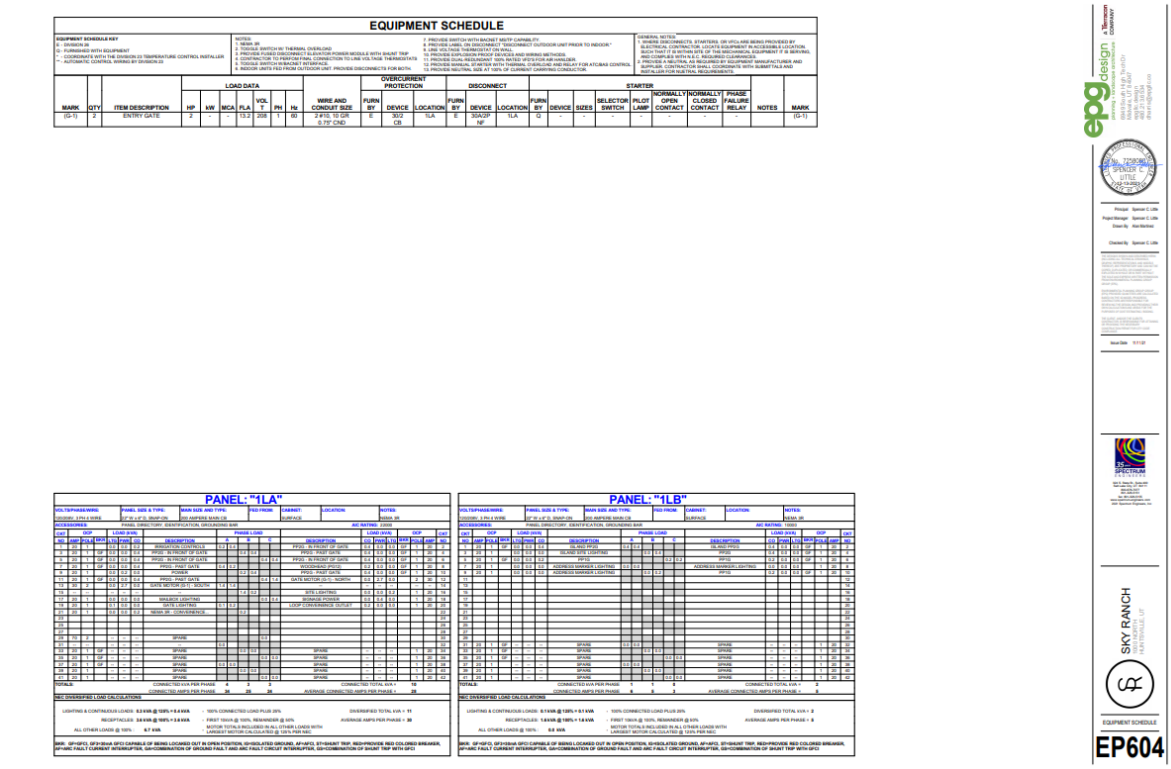

INSTALLATION
Step 1 Determine Location for Operator
INSTALLATION
Step 2 Install the Operator
INSTALLATION
1 VEHICLE ENTRY RISER DIAGRAM

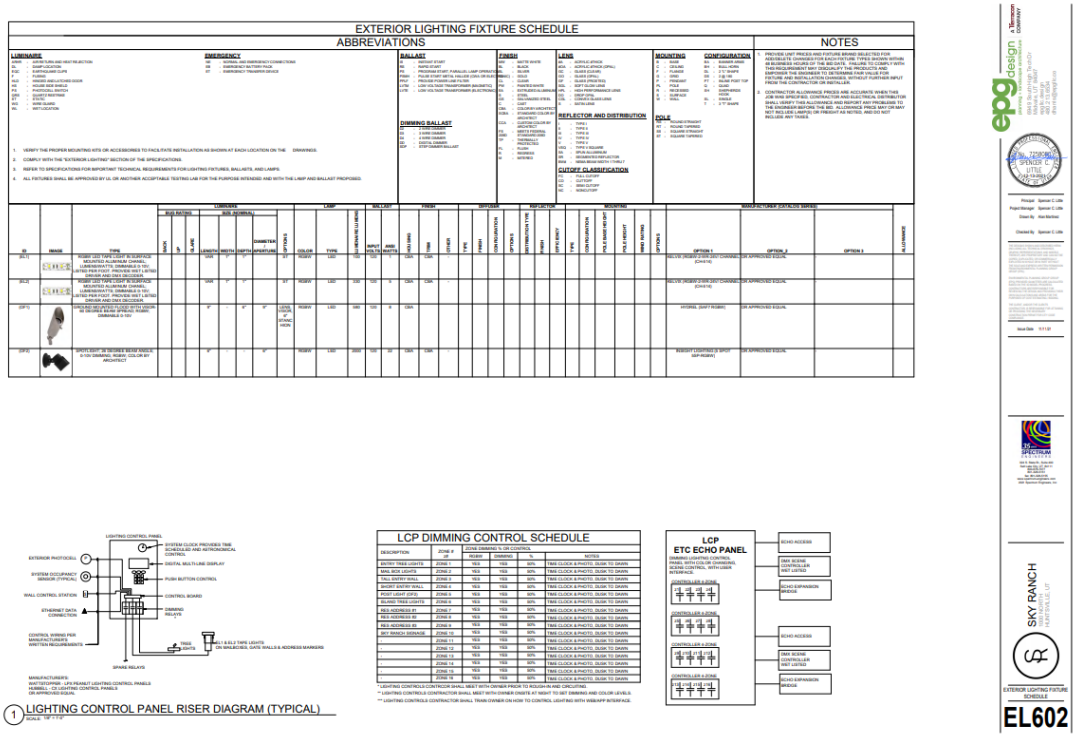

epg design
SKY RANCH
SLIDE GATE DETAILS
ES504


UNDER GROUND ENCLOSURE SCHEDULE
GENERAL SHEET NOTES
TYPICAL UNDERGROUND JUNCTION BOX DETAIL
ES505

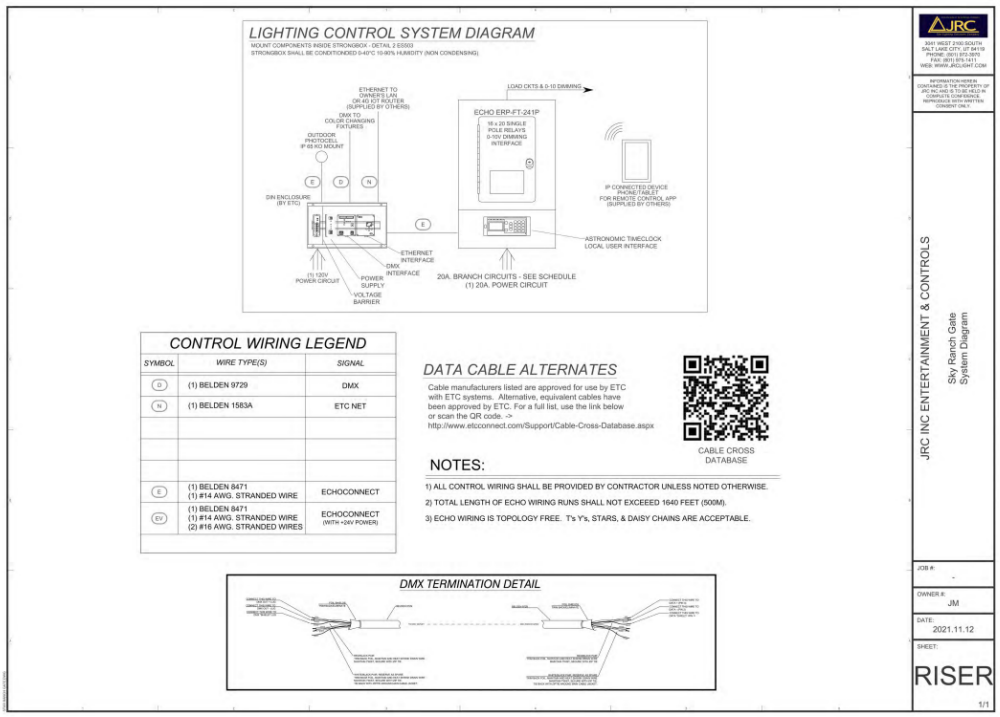

Know what's below. Call before you dig.
PACIFICORP
Not for construction Preliminary Design
SEQ 10 TO SEQ 20
INST 1/0-AL PRIMARY SEQ 20
INST 25 KVA XFMR
INST 4/0-AL SERVICE
INST 200A METER
SEQ 20 TO SEQ 30
INST 1/0-AL PRIMARY SEQ 30
INST 1ø GROUNDSLEEVE SEQ 30 TO SEQ 40
INST 1/0-AL PRIMARY SEQ 40
INST 1ø GROUNDSLEEVE
ESTIMATOR: JUAN GOMEZ (801)629-4354 OFFICE (385)466-1374 CELL
CUSTOMER: TODD MYERS (801)520-4072
ONCE PAYMENT HAS BEEN MADE PLEASE CONTACT SITE AGENT DAVE DALTON (385)206-7754
7800 EAST
ES506


2 TELECOMMUNICATION RACEWAY RISER DIAGRAM
1 ONE LINE DIAGRAM
3 INNER DUCT PLUG AND SEAL DETAIL
EQUIPMENT NAMEPLATE SCHEDULE
GENERAL SHEET NOTES
COLOR SCHEME
BRANCH CIRUIT CONDUCTOR AND CONDUIT SIZING TABLE
SHEET KEYNOTES
EP601


EQUIPMENT SCHEDULE
PANEL: "1LA"
PANEL: "1LB"
EP604


EXTERIOR LIGHTING FIXTURE SCHEDULE
ABBREVIATIONS
NOTES
LUMINAIRE
EMERGENCY
BALLAST
DIMMING BALLAST
FINISH
LENS
REFLECTOR AND DISTRIBUTION
MOUNTING
CONFIGURATION
POLE
CUTOFF CLASSIFICATION
LUMINAIRE
LAMP
BALLAST
FINISH
DRIVER
REFLECTOR
MOUNTING
MANUFACTURER CATALOG NUMBER
LCP DIMMING CONTROL SCHEDULE
LCP
ETC ECHO PANEL
LIGHTING CONTROL PANEL RISER DIAGRAM (TYPICAL)
1
SCALE: 1/8" = 1'-0"

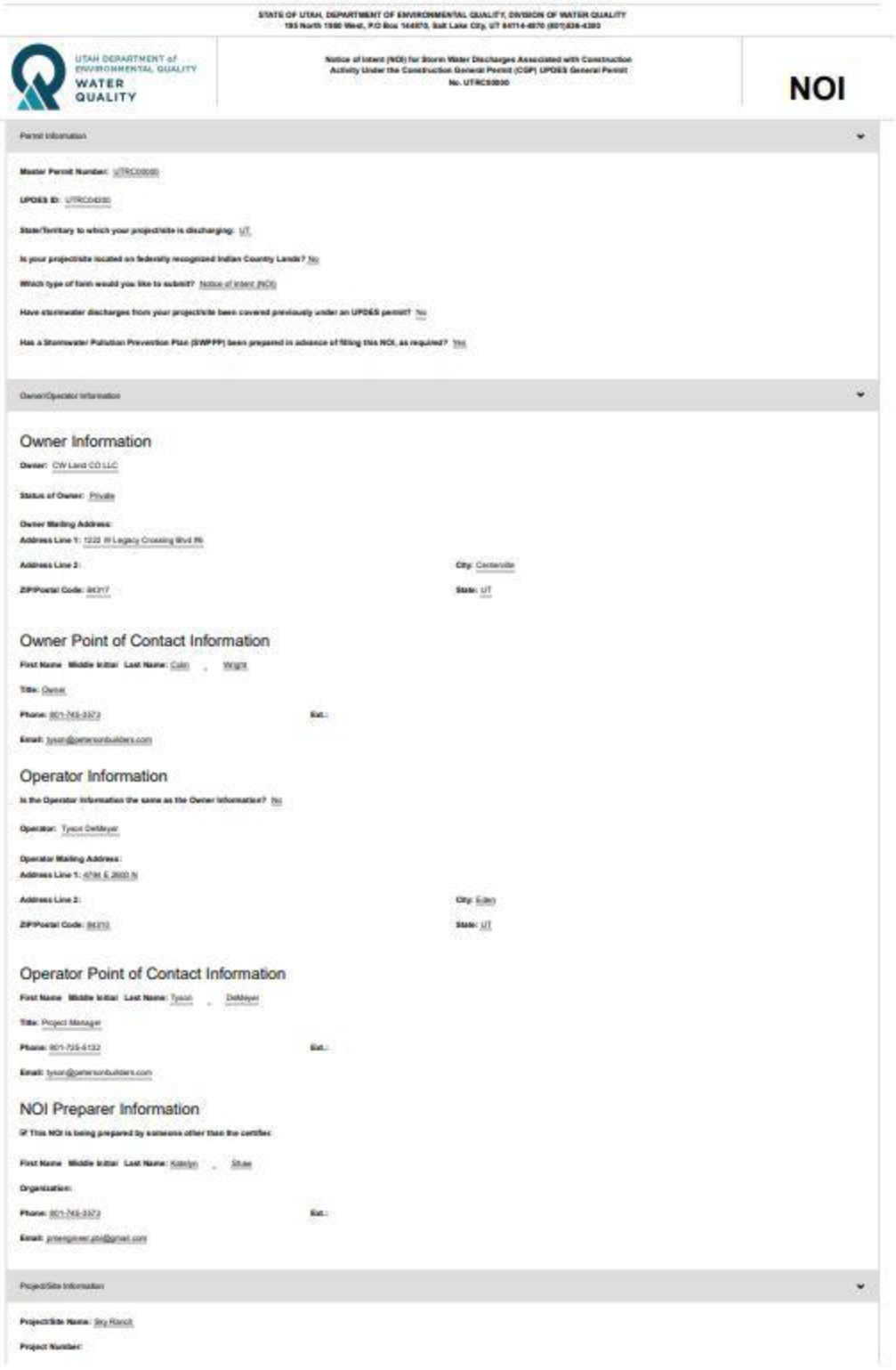
epg design
SKY RANCH
EXTERIOR LIGHTING FIXTURE SCHEDULE
EL602


LIGHTING CONTROL SYSTEM DIAGRAM
CONTROL WIRING LEGEND
DATA CABLE ALTERNATES
NOTES:
DMX TERMINATION DETAIL
JRC INC ENTERTAINMENT & CONTROLS
Sky Ranch Gate
System Diagram
RISER


epg design
SKY RANCH
LIGHTING CONTROL DETAILS
EL603

Appendix B: NOI

Include a copy of your NOI in this appendix. The NOI must be signed.



STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY
195 North 1950 West, P.O Box 144870, Salt Lake City, UT 84114-4870 (801)536-4300

UTAH DEPARTMENT of ENVIRONMENTAL QUALITY
WATER QUALITY

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity Under the Construction General Permit (CGP) UPDES General Permit No. UTRC00000

NOI

Permit Information

Master Permit Number: UTRC00000

UPDES ID: UTRC04000

State/Territory to which your project/site is discharging: UT

Is your project/site located on federally recognized Indian Country Lands? No

Which type of form would you like to submit? Notice of Intent (NOI)

Have stormwater discharges from your project/site been covered previously under an UPDES permit? No

Has a Stormwater Pollution Prevention Plan (SWPPP) been prepared in advance of filing this NOI, as required? Yes

Owner/Operator Information

Owner Information

Owner: CW Land CO LLC

Status of Owner: Private

Owner Mailing Address:
Address Line 1: 1222 W Legacy Crossing Blvd #6

Address Line 2:

City: Centerville

ZIP/Postal Code: 84017

State: UT

Owner Point of Contact Information

First Name Middle Initial Last Name: Colin . Wright

Title: Owner

Phone: 801-749-3373

Ext.:

Email: tyson@pinesonbuilders.com

Operator Information

Is the Operator information the same as the Owner information? No

Operator: Tyson DeMeyer

Operator Mailing Address:
Address Line 1: 4746 E 2600 N

Address Line 2:

City: Eden

ZIP/Postal Code: 84310

State: UT

Operator Point of Contact Information

First Name Middle Initial Last Name: Tyson . DeMeyer

Title: Project Manager

Phone: 801-725-6132

Ext.:

Email: tyson@pinesonbuilders.com

NOI Preparer Information

☑ This NOI is being prepared by someone other than the certifier.

First Name Middle Initial Last Name: Katelyn . Shaw

Organization:

Phone: 801-749-3373

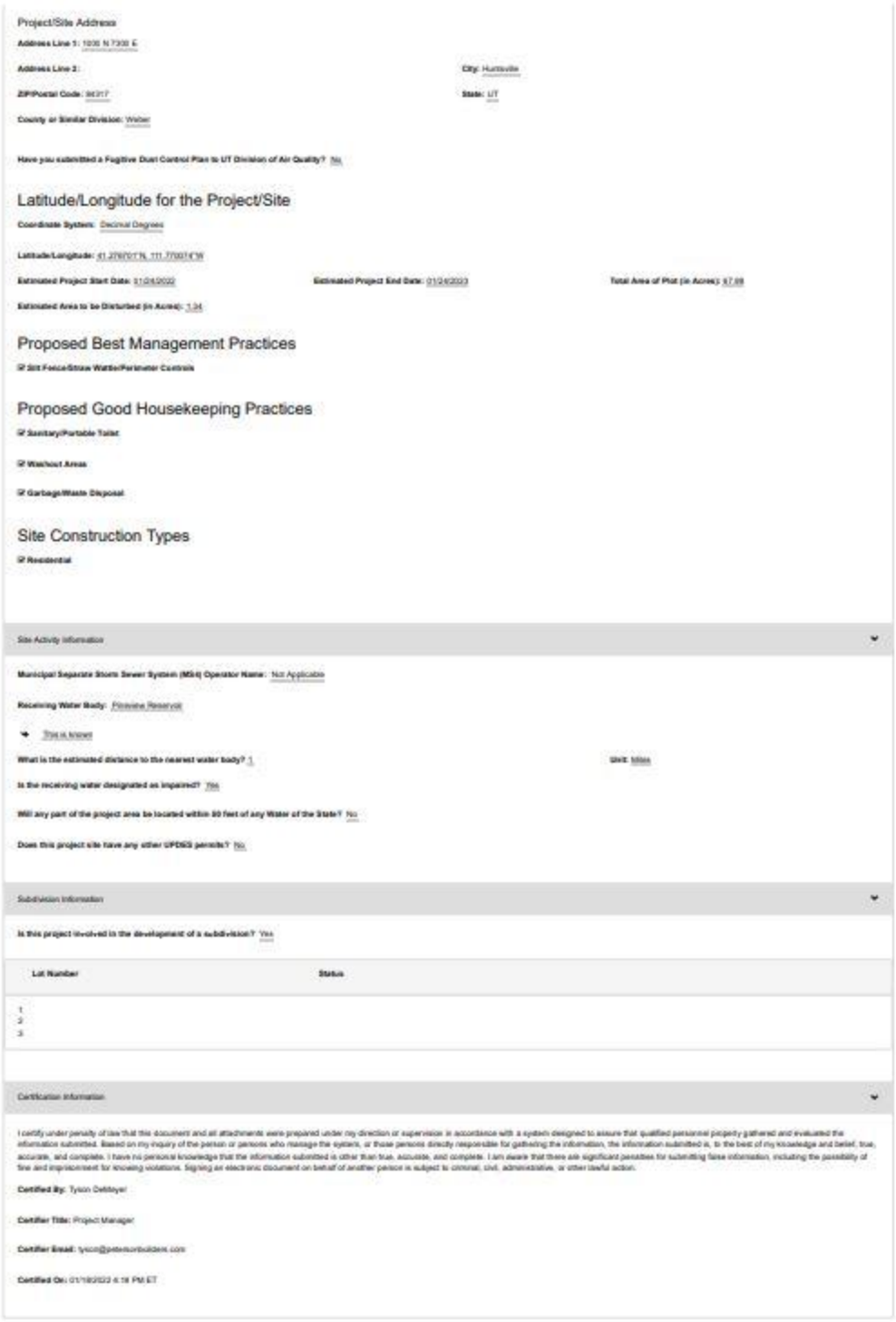
Ext.:

Email: pinesgrower.pm@gmail.com

Project/Site Information

Project/Site Name: Sky Ranch

Project Number:



Project/Site Address

Address Line 1: 1000 N 7300 E

Address Line 2:

City: Huntsville

ZIP/Postal Code: 84317

State: UT

County or Similar Division: Weber

Have you submitted a Fugitive Dust Control Plan to UT Division of Air Quality? No

Latitude/Longitude for the Project/Site

Coordinate System: Decimal Degrees

Latitude/Longitude: 41.2787077 N, 111.7700147 W

Estimated Project Start Date: 01/24/2022

Estimated Project End Date: 01/24/2023

Total Area of Plot (in Acres): 87.69

Estimated Area to be Disturbed (in Acres): 1.34

Proposed Best Management Practices

☑ Silt Fence/Straw Wattle/Perimeter Controls

Proposed Good Housekeeping Practices

☑ Sanitary/Portable Toilet

☑ Washout Areas

☑ Garbage/Waste Disposal

Site Construction Types

☑ Residential

Site Activity Information

Municipal Separate Storm Sewer System (MS4) Operator Name: Not Applicable

Receiving Water Body: Pineview Reservoir

This is known

What is the estimated distance to the nearest water body? 1

Unit: Miles

Is the receiving water designated as impaired? Yes

Will any part of the project area be located within 50 feet of any Water of the State? No

Does this project site have any other UPDES permits? No

Subdivision Information

Is this project involved in the development of a subdivision? Yes

Lot Number	Status
1	
2	
3	

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Tyson Debloyer

Certifier Title: Project Manager

Certifier Email: tyson@petersonbuilders.com

Certified On: 01/18/2022 4:18 PM ET

Appendix C: Inspection Reports

Place all completed inspection reports in this appendix. You may also put blank inspection reports here to be completed.

You are encouraged to create your own inspection forms for each site. Inspection reports must have the following information:

1) The inspection date.
2) The UPDES ID number (UTRXXXXX).
3) Name and title of personnel making the inspections.
4) Summary of inspection findings and any necessary corrective actions:
    a. Are storm water controls properly installed and operational? If failed then why?
    b. Presence of any conditions that could lead to spills or leaks.
    c. Locations where new or modified controls are necessary.
    d. Signs of visible erosion or sediment depositing related to your discharges.
    e. Any incidents of noncompliance.
    f. Visual quality of any discharges occurring.
5) Rainfall amount if the inspection was trigger by a precipitation event.
6) If it was unsafe to inspect any areas of the site, a description of the area and reason.

Appendix D: Corrective Action Report

An example corrective action report has been included in this appendix. Review SWPPP section 8.2 for corrective action requirements. You can also create your own form or include corrective actions on your inspection form.

Appendix D – *Sample* Corrective Action Report

Inspection Date	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

Appendix E: Subcontractor Certifications/Agreements/Delegation of Authority (CGP 9.16.(1)b.)

A sample subcontractor agreement form and delegation of authority form have been included in this appendix. If these are used, keep complete signed forms here.

SUBCONTRACTOR CERTIFICATION
STORM WATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Storm water Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at request.

Each subcontractor engaged in activities at the construction site that could impact storm water must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

_____

_____

Signature: _____

Title: _____

Date: _____

Delegation of Authority

I, _____, hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the UPDES "General Permit for Storm Water Discharges Associated with Construction Activity" (CGP), at the construction site:

_____, Permit No. UTR_____

The designee is authorized to sign all reports required by the Permit and other information requested by the Director of the Utah Division of Water Quality, or by an authorized representative of the Executive Secretary.

Name of Person or Position: _____

Owner/Operator:_____

Mailing Address: _____

City, State, Zip Code: _____

Phone Number: _____

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Part 9.16 of the CGP, and that the designee above meets the definition of a "duly authorized representative" as set forth in Part 9.16.b. of the CGP.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Title: _____

Signature: _____

Date: _____

Appendix F: Training Logs and Certifications (see CGP 6)

A sample training log has been included in this appendix to keep track of trainings that have been provided. At a minimum, storm water team members that require training should be provided with the following if it relates to their duties (CGP Part 6.3.):

- The permit deadlines associated with installation, maintenance, and removal of storm water controls and with stabilization;
- The location of all storm water controls on the site required by this permit and how they are to be maintained;
- The proper procedures to follow with respect to the permit's pollution prevention requirements; and
- When and how to conduct inspections, record applicable findings, and take corrective actions

Certifications for SWPPP inspectors or writers can also be placed in this appendix.

Appendix F – *Sample* SWPPP Training Log

Storm Water Pollution Prevention Training Log

Project Name:

Project Location:

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Storm Water Training Topic: *(check as appropriate)*

- ❑ **Erosion Control BMPs**
- ❑ **Emergency Procedures**
- ❑ **Sediment Control BMPs**
- ❑ **Good Housekeeping BMPs**
- ❑ **Non-Storm Water BMPs**

Specific Training Objective:_____

_____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Appendix G: Additional Information

Use this appendix for additional information such as other permits (dewatering, stream alteration, etc.) or out of date SWPPP documents.

Appendix H: BMP Instruction and Detail Specifications

Use this appendix if complete BMP specifications are not provided in Section 5 or 6 of the SWPPP.

Appendix I: Construction General Permit

If all storm water team members access the CGP via the internet while on site the following link to access the Construction General Permit is sufficient:

http://construction.stormwater.utah.gov

Otherwise, include a printed out copy of the Construction General Permit in this appendix.