IRRIGATION NOTES

1. The Contractor shall be familiar with the irrigation technical specifications for this project. Failure to do so shall not relieve him of meeting all of the requirements contained therein.

2. The irrigation plan is diagrammatic in nature, and some drafting liberties have been taken to maintain the graphic clarity of the drawings. All irrigation equipment shall be located in planting areas only, unless noted otherwise. The Contractor shall install piping to minimize changes in direction, avoid placement under large trees or large shrubs, and avoid placement under hardscape features. Refer to the irrigation equipment schedule, installation details, and specifications for equipment and its proper installation.

3. The Contractor shall use only the equipment and products specified in the construction drawings. No substitution of materials will be allowed on the irrigation system without prior authorization from the Landscape Architect and the Owner.

4. The Contractor shall visit and inspect the project site. He shall take into consideration known and reasonably inferable conditions affecting the proposed work. Failure to visit the site shall not relieve the Contractor of furnishing materials and performing the work required. Any discrepancies between existing site conditions and those indicated on the plans shall be called to the attention of the Landscape Architect prior to continuance of the project.

5. If the water point of connection is located other than as shown on the drawings, or if the water pressure is different than indicated on the plans, or appears to be unusually high or low, the Contractor shall immediately notify the Landscape Architect prior to proceeding with any irrigation work.

6. The Contractor shall keep the premises clean and free of excess equipment, materials, and rubbish incidental to work of this project. Work areas shall be swept clean and trash and debris picked up daily. Open trenches or hazards shall be protected with yellow caution tape. The Contractor is responsible for removal and legal disposal (offsite) of trash and debris generated by his work on this project.

7. Pipe fittings shall conform to the following standards unless otherwise noted:
   A. All main line fittings four (4) inches or larger shall be push-on, gasketed, and constructed of ductile iron material.
   B. All main line fittings three (3) inches and smaller shall be solvent weld Schedule 80 PVC.
   C. M.J. tees, Schedule 80 tees with SxT Schedule 80 bushings, or Harco ductile iron service tees are approved on PVC main lines for automatic control valve installation. M.J. fittings shall be greased and wrapped.
   D. All lateral line fittings shall be solvent weld Schedule 40 PVC.
   E. All risers and exposed fittings shall be solvent weld Schedule 80 PVC, including conversions to metal pipe and fixtures, unless otherwise noted on the plans.
   F. All main line fittings four (4) inches and larger, whether ductile iron or solvent weld, shall be thrust blocked.

8. Irrigation wire shall conform to the following:
   A. All irrigation control wire (hereafter referred to as 2-wire) from the controller to the field devices must be Polyethylene double-jacketed or UF-B UL PVC double-jacketed two-conductor solid core designed for direct burial systems. The following is recommended:

i. All 2-wire shall be soft drawn, annealed, solid copper conforming to ASTM 33. Conductor insulation must be 4/64-inch thick PVC, conforming to UL Standard #493 for thermoplastic-insulated style UF (Underground Feeder), rated at 60 degrees C.

ii. The two insulated conductors are laid in parallel and encased in a single outer jacket of 3/64-inch thick, high density, sunlight resistant polyethylene conforming to ICEA S-61-402 and NEMA WC5, having a minimum wall thickness of 0.045-inch.

iii. The two conductors must be color-coded: normally one conductor red and one black. Both conductors shall be the same size: 14 AWG.
   B. All wire crossing water, attached to bridges, going under paving, or where conditions require protection, shall be housed in conduit or sleeves. All out-of-ground conduits shall be rigid metal. All buried conduit may be PVC. In areas where rodents are a known issue, all wire shall be placed in a conduit.
   C. All splices shall be water-tight. All connections made inside the box to connect the 2-wire to the valve shall be made using a dry-splice connector DBR/Y. Each connector shall be completely sealed and water-proof.
   D. All other splices in 2-wire wire shall be housed in a separate round valve box and use DBR/Y connectors.
   E. Lightning arrestors and eight (8) foot long by 5/8-inch diameter copper ground rods shall be used as recommended by the controller manufacturer, and be installed per manufacturer recommendations and installation (8) inch round valve box.
   F. No aluminum wire shall be used on this project.

9. Run a single fourteen (14) gauge wire along the top of the main line to be used for tracking the location of the main line. The color of the tracing wire shall be different than any other wire color used.

10. All pressure main lines shall have between twenty (20) and thirty (30) inches of cover, while all lateral lines shall have between twelve (12) and fourteen (14) inches of cover. Trench bedding and backfill material shall consist of existing site soil free of rocks larger than one (1) inch in diameter and any other debris. Wasted pipe and other excess project materials or rubbish (tape, wire, trash, wrappers, boxes, plastic or glass bottles, etc.) shall not be backfilled into the trenches. All trenches shall be backfilled, and then watered sufficiently to insure no settling of the surface. In the event of any backfill settlement prior to the end of the guarantee period, the Contractor shall perform all required repairs at his own expense.

11. All control valves shall be located within shrub areas where possible and installed per the details shown on the plans. Each control valve shall have a shut-off valve, and only one (1) control valve and gate valve per valve box. Shut-off valve may be at beginning of manifolds. If manifolds are used, the manifold must be sized so that all valves in manifold are are able to water at the same time. The bottom of the remote control valve shall be a minimum of four (4) inches above the gravel. Isolation gate valves on the main line shall be located in separate valve boxes.

12. All main lines and lateral lines shall be sleeved where they pass under any paved areas. The size of the sleeve shall be twice the size of the pipe being sleeved, unless otherwise specified on the drawings.

13. The automatic controller will be the Vineyard Loop Road Controller, that is to be relocated into the pump house and mounted on the wall. Coordinate with City on location.

14. Prior to backfilling any trenches or irrigation lines:
   A. All main lines shall be capped and pressure tested at 120 psi for a period of 4 hours. Any leaks found shall be corrected by removing the leaking pipe or fittings and installing new material in its place. Repeat the pressure test to insure the absence of leaks.
   B. The Contractor shall not allow nor cause any of his work to be covered until it has been inspected, tested, and approved by the Landscape Architect.
   C. Where a main line has been allowed to sit in the trench uncovered for any length of time prior to testing, the line may be shaded with a thin layer of soil to minimize weather related expansion or contraction of the pipe.

16. The Contractor shall adjust all irrigation heads to provide an even coverage and to keep spray off of buildings, fences,
walkways, and paved surfaces.

17. When the sprinkler system has been completed, the Contractor shall, in the presence of the Landscape Architect or Owner's Representative, conduct a coverage test of the water afforded to the planting areas to insure that it is consistent and uniform. The Contractor shall provide, at his own expense, all materials and labor necessary to correct any deficiencies or inadequacies discovered during the coverage test.

The Contractor shall keep on site a current and accurate as-built record of his work. It shall include exact dimensioned locations, grades, elevations, and the size of all exterior and interior underground piping, valves, and drains. Dimensions shall indicate distances from columns, buildings, curbs, and similar permanent features on the site. This information shall be recorded on a print as the work progresses, but shall be permanently recorded on a reproducible. Please provide both a hard and digital copy.

18. The irrigation contractor shall maintain the system for the duration of the contract period, including the maintenance period.

19. Upon final acceptance of the sprinkler irrigation system as being operational and properly installed, the Contractor shall guarantee the workmanship, materials, fixtures, and equipment to be free from defects for a period of one (1) year after that date.

PLANTING NOTES

1. The Contractor shall be familiar with the planting and irrigation technical specifications - failure to do so will not relieve the contractor of his responsibility to fulfill all requirements in said specifications.

2. Prior to any planting operations, the irrigation system shall be fully operational and all planting areas shall be thoroughly moistened.

3. The planting plan is diagrammatic, and all plant locations are approximate. Plant symbols take precedence over plant quantities shown on the plans and in the Plant Material Schedule. The Contractor shall verify all plant quantities and notify the Landscape Architect of any discrepancies between the quantities and the symbols shown. The Plant Materials Schedule is for the Contractor's convenience only.

4. No substitution of size, grade, variety or any species shall be permitted except by written permission of the Landscape Architect. Upon receiving Notice to Proceed, the Contractor shall provide written proof that the specified plant material is available and has been secured or reserved specifically for this project. Obtain nursery stock and other plant materials from reliable and stable sources prior to order and delivery.

5. Final Grade Preparation
   A. The subgrade Material Shall be rough graded to plus or minus one tenth (+0.1) foot of the final rough grade, which will allow the Contractor to achieve final finished grade through the placement of the topsoil.
   B. Protect existing trees, shrubs, lawns, existing structures, fences, roads, sidewalks, paving, curb and gutter and other features during Construction.
   C. Protect above or below grade utilities. Contact utility companies to repair damage to utilities. Contractor shall pay all cost of repairs which he causes.
   D. Maintain all benchmarks, control monuments and stakes, whether newly established by surveyor or previously existing. Protect from damage and dislocation.
   E. Grading Intent: Spot elevations and contours indicated are based on the best available data. The intent is to maintain constant slopes between spot elevations.
   F. Conduct work in an orderly manner. Do not create a nuisance. Do not permit soil accumulation on streets or sidewalks. Do not allow soil to be washed into sewers and storm drains.
   G. Grade slopes to provide adequate drainage after compaction. Do not create water pockets or ridges. Use all means necessary to prevent erosion of freshly graded areas during construction until surfaces have been constructed and landscaping areas have taken hold.
   H. Grades shall be smooth, even, and maintain a consistent uniform slope. Grades with undulating surfaces will be rejected and require re-grading.
   I. The Contractor shall maintain a minimum of two (2) percent drainage away from all buildings, structures, and walls. Finished grades shall be smoothed to eliminate puddling or standing water.
   J. All finished grades shall be approved by the Landscape Architect prior to installation of any plant materials.

6. All planting areas shall receive a minimum of four (4) inches of imported topsoil in turf areas and twelve (12) inches in planting beds. All topsoil used on this project shall be stockpiled and provided by owner. Contractor shall place and spread topsoil per these plans and specifications.

7. The following procedure shall be followed in placing all topsoil:
   A. All areas to receive topsoil which have a slope of less than ten (10) percent shall be cross-ripped to a depth of four (4) to six (6) inches.
   B. The surface of the subgrade shall be scarified to a depth of two (2) inches to provide a transition zone between the subgrade and the topsoil. Place the topsoil on the subgrade and fine grade to the final finished grade and topsoil depths as indicated on the drawings and in these notes.
   C. Any required soil amendments (i.e. organic matter, fertilizer, gypsum, etc.) shall be placed directly on the topsoil at the required rates and spread evenly over the planting area. The amendments shall then be thoroughly blended into the topsoil to a depth of four (4) inches. Where only a dry, granular fertilizer is to be added, it may be applied to the surface and raked in during the fine grading process.

8. All plants used for this project shall conform to the following:
   A. Any inspection certificates required by law shall accompany each delivery of plants and such certificate shall be filed with the Landscape Architect. All plants shall be subject to inspection and approval at the place of growth or upon delivery to the site for their quality, size, species, and variety. Such approval shall not impair the right of inspection and rejection at the site or during progress of work for size and condition of the plants, latent defects, or injuries. Any and all rejected plants shall be removed immediately from the premises by the Contractor. The
   Contractor shall make all replacements at his expense should he fail to comply in full with any of the specifications. Necessary replacements will be made as soon as weather conditions permit and all such plants replaced shall conform to all specifications herein.
   B. Plants shall be fresh and vigorous, of normal habit and growth, and free of disease, insects and insect eggs and insect larvae, weeds and weed seed. No heeled-in plants from cold storage shall be accepted except on approval by the Landscape Architect prior to installation.

9. All plants shall be installed using the following procedures:
   A. Plants shall be generally located as indicated by the drawing. The Contractor shall stake out the location of all plants and planting areas, and no excavation or installation shall commence until such locations have been approved by the Landscape Architect.
   B. All trees and shrubs shall be planted in pits as detailed in the planting details contained herein or as noted on the drawings. Tree and shrub pits shall be circular in outline, with a diameter at least two (2) times the diameter of the rootball depth. When the plant is properly placed in the plant pit, the root collar shall be at or approximately one (1) inch above finished grade. The sides of the plant pit shall be roughened, and not smooth or sculpted.
   C. Plant backfill mix shall be one hundred (100) percent native site soil.
   D. For container grown plants, remove the container and place the plant vertically in the plant pit, directly on undisturbed soil. The root crown or collar shall be at or approximately one (1) inch above the finished grade. Perennial plants and ornamental grasses shall be planted with root collar at finished grade.
   E. For balled and burlapped plants, place the plant vertically in the center of the pit, with the rootball resting on undisturbed soil. Cut and remove the wire basket and burlap or other wrapping material from the rootball. This may be done with the rootball in the pit. Any burlap or wire pieces underneath the rootball may be left in place if they cannot be removed. Do not fold the burlap over, but cut away as much as possible without disturbing the rootball. No burlap shall be pulled from under the rootball. Backfill the bottom one third (1/3) of the pit as the wire and burlap are removed. In all cases, maintain the integrity of the rootball.
   F. Specified backfill material shall be carefully and firmly worked and tamped under and around the rootball to fill all voids. When backfilled and compacted to two thirds (2/3) the depth of the pit, thoroughly water with a hose to completely soak the roots and remove any air pockets.
   G. The plant pit shall then be completely backfilled with the specified backfill mix and tamped well. A shallow watering basin or rain cup shall be formed around each plant. This basin will be equal in diameter to that of the original planting pit.
   H. After planting, the following operations shall be performed:
   I. Stake and mulch all trees per installation details.
   II. Remove all nursery stakes ties, and tags from all plants. Prune and remove any dead, damaged, or broken branches. Maintain side growth on all trees.

10. Staking shall be performed as follows:
   A. Two (2) 2"x 2" square or 2' diameter round wood stakes, minimum ten (10) feet in length, shall be used to support each tree planted under this contract unless otherwise indicated. Metal t-posts shall not be used.
   B. Tree ties shall conform to the staking detail shown on the planting detail sheet. Wire and vinyl hose shall not be used.
   C. Each stake shall be located adjacent to the rootball, on opposing sides, to provide maximum support to the trunk. Do not penetrate the rootball with the stake.
   D. The stakes shall be driven into the pit bottom after the tree has been placed in the pit, but before backfilling begins so as to avoid damage to the roots.
   E. Stakes and ties shall be removed after one (1) full growing season from the time the tree was installed.

11. All plants shall be thoroughly watered immediately after planting. This shall mean full and thorough saturation of all backfill in the pits and beds during the same day of planting. Water shall be applied only by open end hose at very low pressure to avoid air pockets, injury to the plant, or washing away of backfill. When installed, watered, and fully settled, the plants shall be vertical. Subsequent watering shall be provided by the site's irrigation system. The Contractor shall insure that all plants, especially trees, receive sufficient water to maintain healthy growth and vigor. Over-watering shall be avoided, and prolonged saturation of the soil around the trees shall be eliminated by appropriately controlling the irrigation circuit which provides water to that area.

12. Mulch (see plant materials schedule and specifications for size requirements) shall be placed to a depth of three (3) inches on top of the topsoil in all planting beds and over tree planting pits. The finished grade of the mulch shall be as follows:
   A. Two (2) inches below the surface or finished grade of any paving, mow strips, or walks adjacent to the planting area.
   B. One (1) inch below top of metal edging.
   C. At adjacent finished grade of the turf surrounding tree planting pits.
   D. No mulch required in tree pits.
   E. Just prior to placement of the mulch, the Contractor shall treat the mulched areas with a pre-emergent herbicide according to the manufacturer's recommendations.

13. For projects with turf grass sod, all sod used for this project shall be free of grassy and broad-leaf weeds, contain no bare or burned spots, and be clean and strongly rooted. It shall be of the varieties noted in the plans and Plant Material Schedule. The sod shall be cut using approved methods and equipment. It shall be cut in pieces not exceeding one (1) square yard, with a uniform thickness on all pieces. Sod thickness may vary between a minimum of on (1) inch and a maximum of one and one half (1 ½) inches, but must be consistent throughout this project. The Contractor shall notify the Landscape Architect of the source of the sod prior to placement. The sod shall be stripped and delivered to the site not more than twenty-four (24) hours prior to laying. It shall be maintained in a moist and healthy condition to encourage immediate growth.

14. The following procedure shall be followed when installing the sod:
   A. Lay the sod on smooth, moist topsoil, working off planks if required.
   B. Rake the topsoil to loosen and level prior to placing each course of sod.
   C. Lay strips perpendicular to the direction of the slope. Strips shall be parallel to each other, with their end seams staggered. The sod shall be neither stretched nor overlapped, and all joints shall be butted tightly together.
   D. Roll the sod immediately after placing and thoroughly water with a fine spray to a depth sufficient that the underside of the new sod and the soil immediately below the sod are thoroughly wet.
   E. On slopes two (2) horizontal to one (1) vertical or steeper, lay the sod perpendicular to the slope and secure every row with wooden pegs at two (2) feet maximum on center. Drive the pegs flush with the soil portion of the sod.
   F. Sod pieces shall be laid tightly together. Sod areas with gaps caused by pieces not being laid tightly enough together or areas with ridges from overlapping pieces shall not be accepted and the Contractor will be required to re-lay the sod.

15. For projects with grass seed, the contractor may choose to apply seed by drilling or hydroseeding. Hydroseeding shall conform to the following:
   A. Wood fiber mulch shall be echofiber or conwed or equal, that is virgin wood fiber, free of growth - or germination-inhibiting substances. The mulch shall be air dried with not more than fifteen (15) percent moisture by weight. The total organic weight shall be a minimum of ninety eight (98) percent. Inorganic ash content shall be 0.7±0.2 percent. Water holding capacity shall be 1000G/100G (oven dried weight). The PH range shall be 4.0 - 6.0. The fiber length shall meet the following:
   I. Fifty (50) percent shall be at least 0.15 inches in length or longer.
   II. Fifty (50) percent shall be retained on the twenty eight (28) mesh screen
   B. The seed mix shall be as specified on the plans. Provide written certification that the seed conforms to Utah Seed Law and is in compliance with Utah State Department of Agriculture Regulations.
   C. The tackifier shall be M-Binder or Plantego or equal.
   D. Application rates shall be as follows:
   I. Wood Fiber Mulch 50 Pounds (min.)/1,000 SF
   II. Seed Mix see plans (7 Pounds/1,000 SF TYP.)
   III. Tackifier 100 Pounds/Acre
   IV. Fertilizer 7-8 Pounds/1,000 SF
   V. Water 92 Gallons/1,000 SF

16. One-step preparation and application of hydroseed mulch shall be as follows:
   A. The wood fiber mulch, seed, tackifier, fertilizer, and water shall be mixed together in a hydroseeding machine having capacity of at least two thousand (2,000) gallons to allow for a homogeneous slurry which is thoroughly mixed and can be applied easily without clogging. The machinge shall be mounted on a traveling unit which is either self-propelled or drawn by a separate unit. Equipment used in the hydroseeding process shall be thoroughly cleaned of all seed and other materials used in any previous hydroseeding process, prior to hydroseeding on this project.
   B. The equipment shall have a built-in agitation system and operating capacity sufficient to agitate, suspend, and homogeneously mix a slurry containing not less than fifty (50) pounds of organic mulching amendment plus chemical additives and solids for each one hundred (100) gallons of water.
   C. The slurry shall be prepared at the site and its components shall be mixed to supply the rates of application as specified. The slurry preparation shall begin by adding water to the tank when the engine is at half (1/2) throttle. The engine throttle shall be open to full speed when the tank is one half (1/2) filled with water. All organic amendments, fiber, and chemicals shall then be added by the time the tank is two thirds (2/3) to three fourths (3/4) full. At this time and not before, the seed mix shall also be added. Spraying shall commence immediately when the tank is full, and the slurry is mixed.
   D. Apply the hydroseed to form even appearing cover over the required areas. The slurry shall be applied in a downward drilling motion via a fan stream nozzle. It is important to ensure that all the components enter and mix with the soil. Use only qualified and trained personnel to insure uniformity of the hydroseed applications.
   E. The hydroseeding slurry components shall not be left in the hydroseed machine for more than two (2) hours to avoid seed deterioration.

17. Throughout the course of planting, excess and waste materials as well as excavated subsoil shall be continuously and promptly removed. All areas shall be kept clear and all reasonable precautions taken to avoid damage to existing structures, plants, and grass. When planting has been completed in an area, it shall be thoroughly cleaned of all debris, rubbish, subsoil, and waste materials. These shall be removed from the property and disposed of legally. All planting tools shall also be put away.

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LANDSCAPE PLANS

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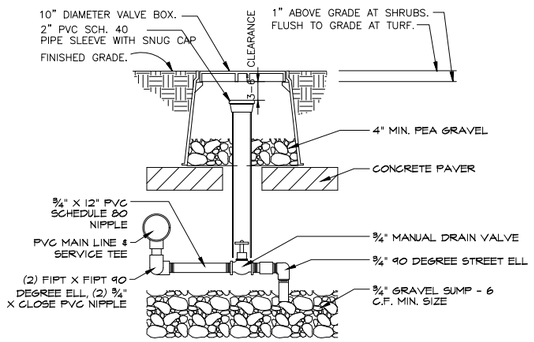
DECEMBER 2021

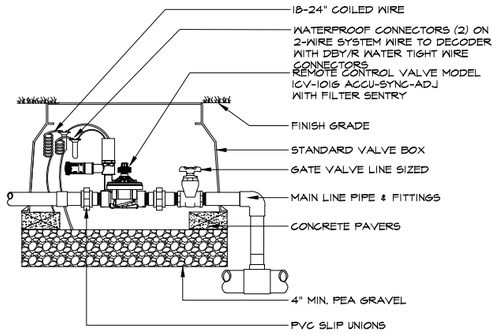
LANDSCAPE
notes & details

L0.1



1 MANUAL DRAIN VALVE ASSEMBLY

1 1/2" = 1'-0" B-05



2 REMOTE CONTROL VALVE ASSEMBLY

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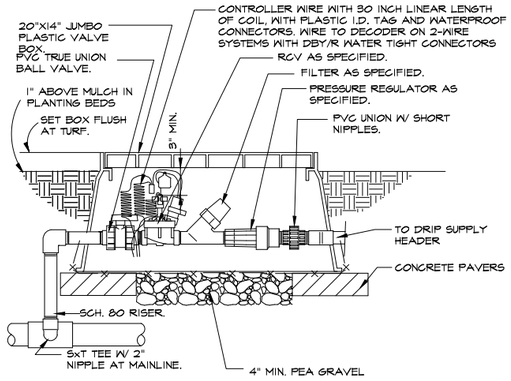
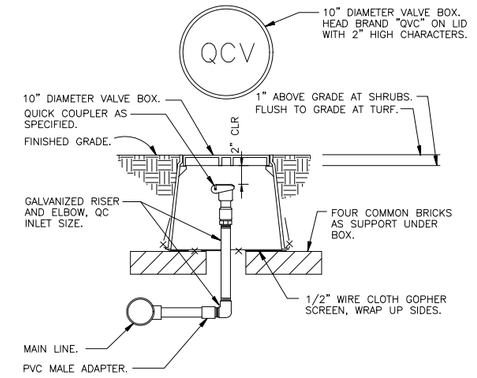


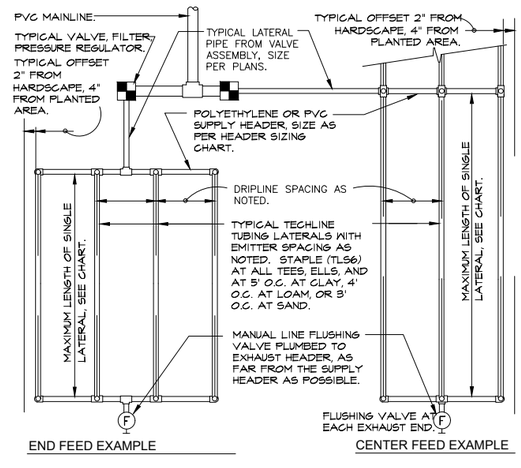
3 DRIP VALVE ASSEMBLY

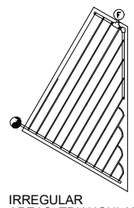
1 1/2" = 1'-0" B-06

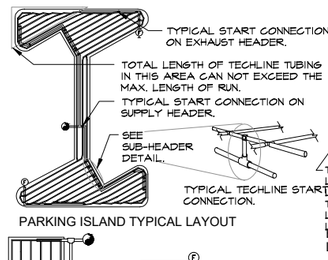


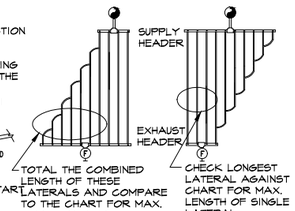
4 QUICK COUPLING VALVE IN BOX

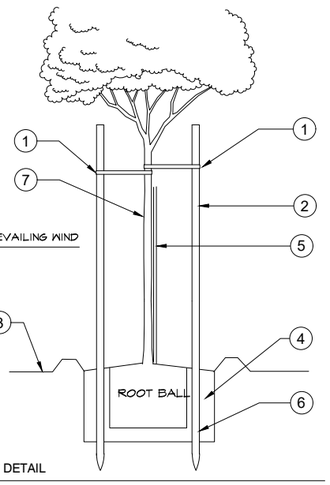
1 1/2" = 1'-0" FX-IR-FX-QUIC-04



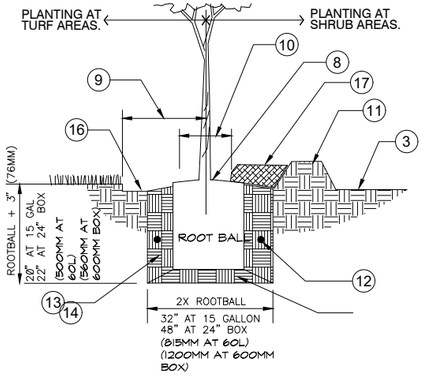




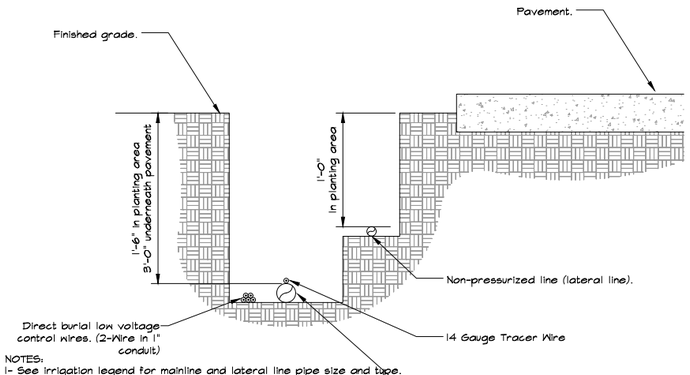




1 GNCH-TIE: DO NOT OVER TIGHTEN, ALLOW TREE TO MOVE SOMEWHAT TO BUILD CALIPER.
2 2" (50MM) DIAMETER LODGE POLE PINE TREE STAKE.
3 FINISHED GRADE.
4 BACKFILL AS PER PLANTING DETAIL.
5 REMOVE NURSERY STAKE BY THE END OF MAINTENANCE.
6 AVOID DAMAGE TO THE ROOT BALL WITH THE SUPPORT STAKES.
7 TREE AS SPECIFIED.
8 SET ROOTBALL CROWN 1 1/2" (38MM) HIGHER THAN THE SURROUNDING FINISHED GRADE. SLOPE BACKFILL AWAY FROM ROOTBALL FOR POSITIVE DRAINAGE.
9 KEEP TURF CLEAR FOR A 18" (450MM) RADIUS CIRCLE AROUND THE TREE. MULCH WITH A 3" (76MM) THICK LAYER OF SHREDDED BARK.
10 KEEP MULCH 6" TO 8" (150-200MM) FROM BASE OF TREE.
11 4" (100MM) HIGH WATER WELL AT SHRUB AREAS.
12 PLANT TABLETS AS NOTED OR SPECIFIED.
13 BACKFILL MIX AS NOTED OR SPECIFIED.
14 NATIVE SOIL MIX FIRMLY COMPACTED.
15 BACKFILL 1/2 OF PLANT PIT AND WATER THOROUGHLY. ALLOW WATER TO SOAK IN AND FINISH BACKFILL.
16 RECESS TURF AREA 1" (25MM) NO MULCH WHEN TREES ARE IN TURF
17 MULCH WATER WELL AREA TO 3" (75MM) DEPTH.



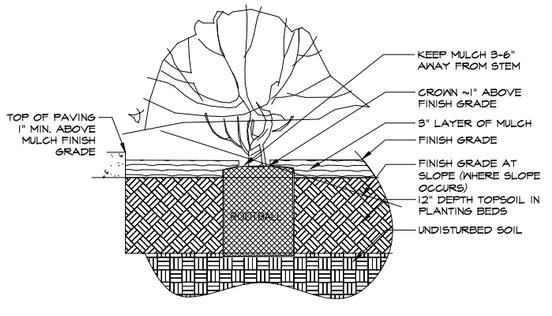
NOTES:
- STAKE ALL TREES 24" (600MM) BOX AND SMALLER. INSTALL V.I.T. PRODUCTS MODEL TG-4 TRIM GUARD ON ALL TREES PLANTED IN TURF.
- REFER TO PLANTING DETAIL AND SPECIFICATIONS FOR PLANT PIT SIZE.
- WRAP TIES AROUND THE TREE TRUNK AND STAKE USING THE STANDARD OR FIGURE EIGHT METHOD. SECURE WITH GALVANIZED NAILS DRIVEN THROUGH TIES AND INTO THE STAKE TO PREVENT SLIPPAGE.
- INSTALL CINCH-TIE PER MANUFACTURER'S RECOMMENDATIONS.



NOTES:
1- See irrigation legend for mainline and lateral line pipe size and type.
2- Direct burial control wires shall be installed in Sch. 40 PVC electrical conduit if required.
3- 2-wire irrigation wire shall be installed in Sch. 40 PVC electrical conduit.

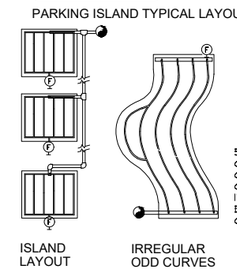
5 DRIPLINE ASSEMBLY

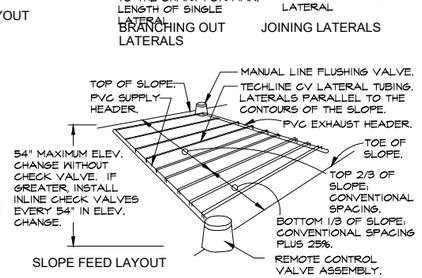
N.T.S. FX-IR-NETA-DRIP-02



6 IRRIGATION TRENCHING

N.T.S.





7 SHRUB/PRENNIAL/ORNAMENTAL GRASS PLANTING

1" = 1'-0" B-10

8 TREE PLANTING WITH CINCH-TIE STAKE

N.T.S. DETAIL-FILE

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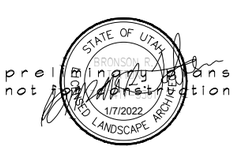


preliminary plans not for construction

call **811** or visit www.bluestakes.org before you dig to have all utilities located and marked

SANTAQUIN ESTATES

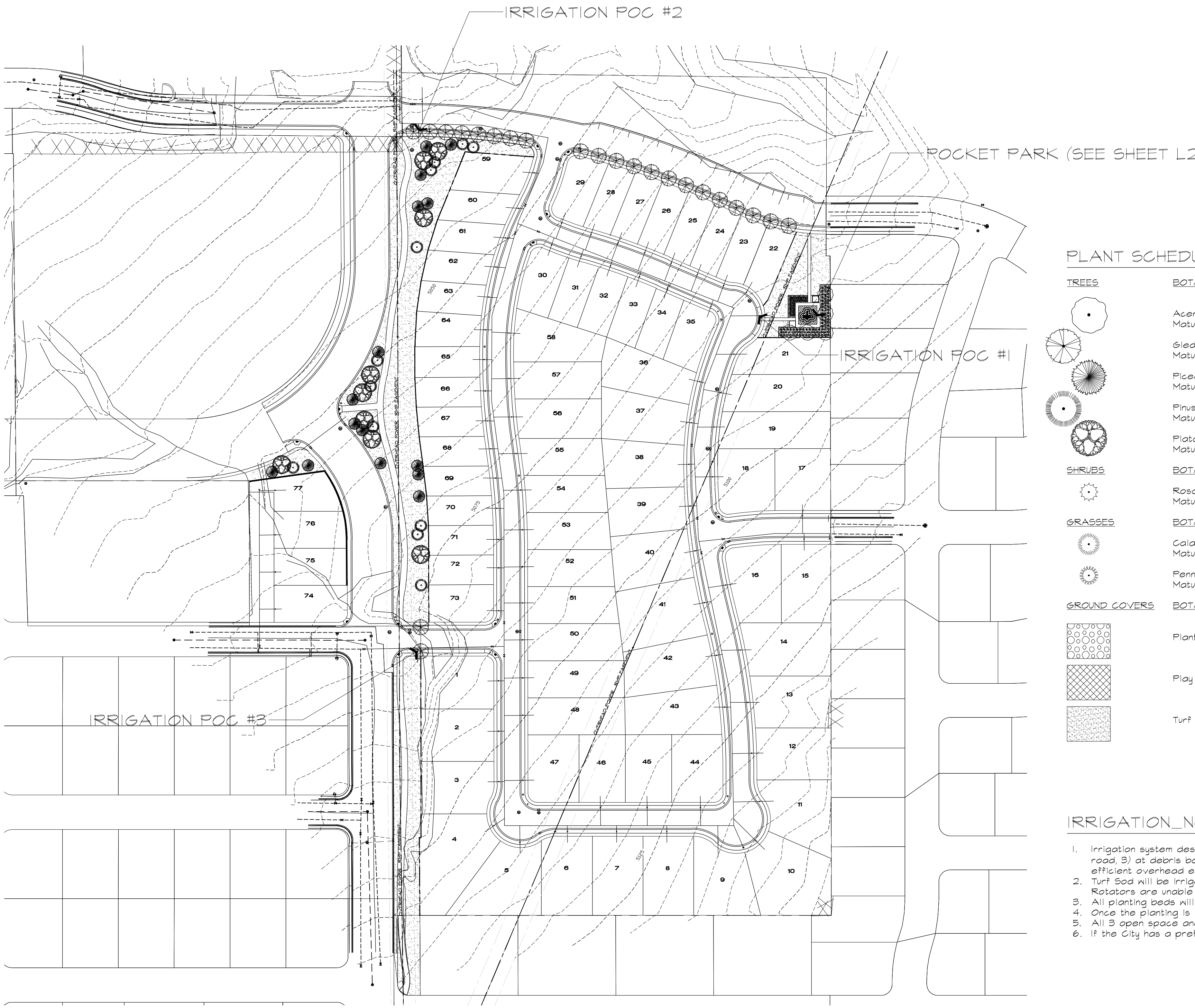
LANDSCAPE PLANS

Main Street & 900 East . Santaquin . Utah

DECEMBER 2021

LANDSCAPE notes & details

L0.2



PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY
	Acer x freemanii 'Jeffsred' / Autumn Blaze Maple Mature Size: H50' W40'	B & B	2\"Cal		5
	Gleditsia triacanthos 'Skyline' / Skyline Honey Locust Mature Size: H45' W35'	B & B	2\"Cal		23
	Picea pungens / Blue Phase Colorado Spruce Mature Size: H30-60' W10-20'	B & B		6-8' Ht.	15
	Pinus nigra / Austrian Black Pine Mature Size: H50-60' W20-40'	B & B		6-8' Ht.	12
	Platanus x acerifolia / London Plane Tree Mature Size: H40-60' W30-40'	B & B		6-8' Ht.	9
SHRUBS	BOTANICAL / COMMON NAME	SIZE			
	Rosa shrub 'Knock Out' / Knock Out Rose Mature Size: H3' W3'	5 gal			51
GRASSES	BOTANICAL / COMMON NAME	SIZE			
	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass Mature Size: H3-5' W2-3'	1 gal			31
	Pennisetum alopecuroides 'Hameln' / Hameln Dwarf Fountain Grass Mature Size: H2' W3'	1 gal			63
GROUND COVERS	BOTANICAL / COMMON NAME	CONT			
	Planting Bed Area Mulch (3" depth)	mulch			3,140 sf
	Play Area Surfacing / 12" min. depth of Engineered Wood Fiber	None			900 sf
	Turf Sod Bluegrass / Kentucky Bluegrass	sod			89,507 sf

IRRIGATION_NOTES

1. Irrigation system design intent is to include 3 points of connection - 1) at the pocket park, 2) at main street and frontage road, 3) at debris basin. All system will be designed with best water conservation practices including smart controllers, efficient overhead equipment, and drip irrigation.
2. Turf Sod will be irrigated with Rotors or MP Rotators. Spray heads will only be used in small areas where Rotors and MP Rotators are unable to water efficiently.
3. All planting beds will be irrigated with drip irrigation.
4. Once the planting is approved an irrigation plan will be designed and submitted for approval.
5. All 3 open space and irrigation systems will be turned over to the City upon completion to own and maintain.
6. If the City has a preferred irrigation brand or equipment please communicate those preferences in planting comments.

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LANDSCAPE PLANS

Main Street & 900 East . Santaquin . Utah

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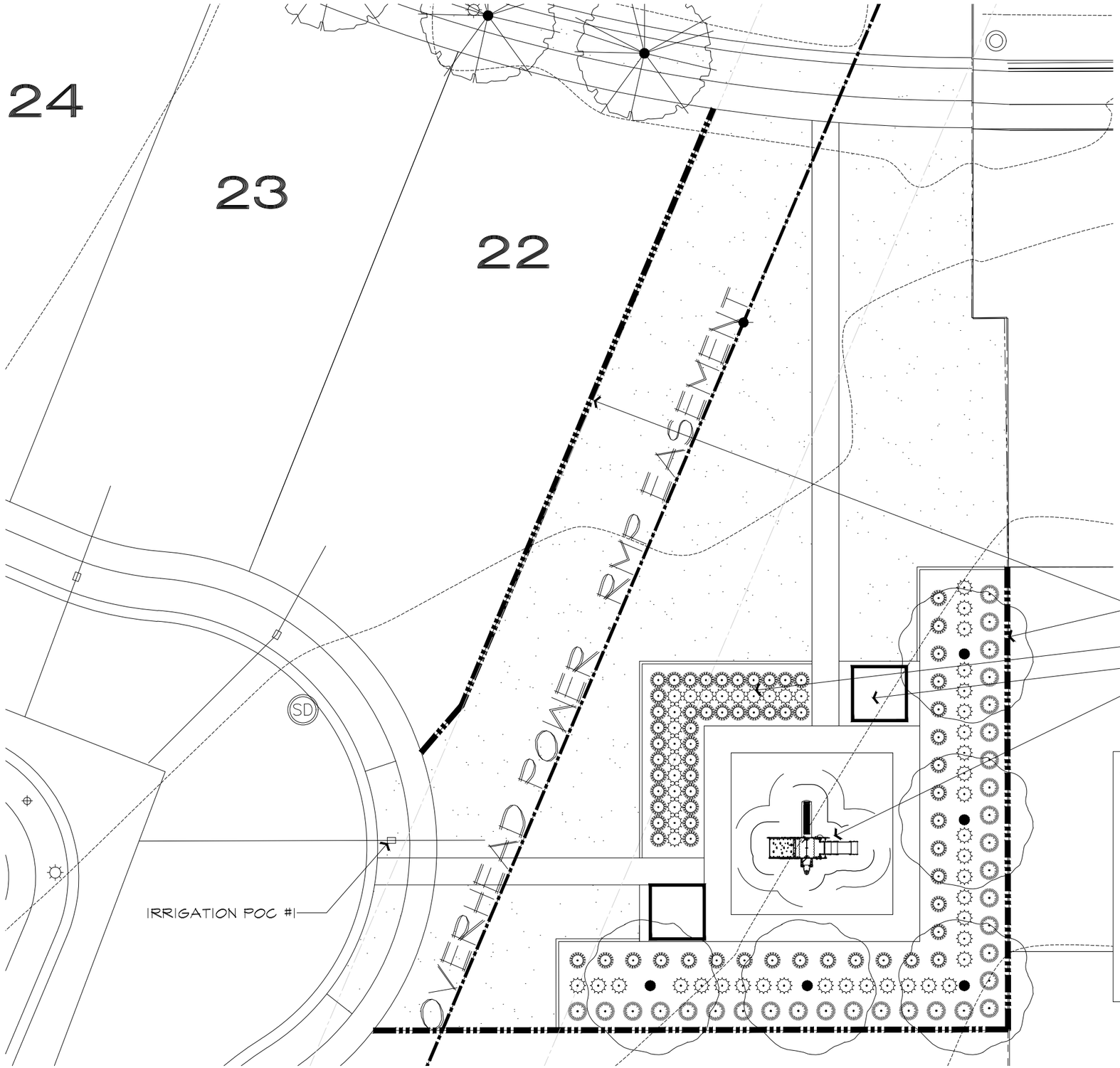
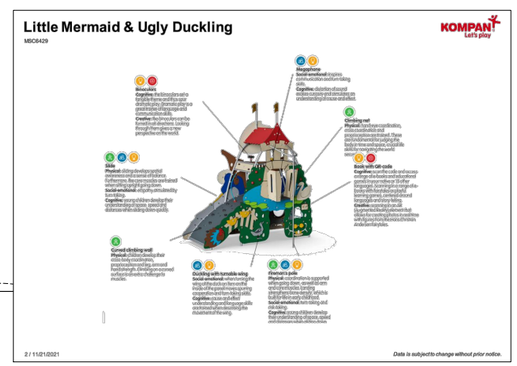
LANDSCAPE
overview

L1.0





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STATE OF UTAH
BRONSON R. [illegible]
LICENSED LANDSCAPE ARCHITECT
1/7/2022

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SANTAQUIN ESTATES

LANDSCAPE PLANS

Main Street & 900 East . Santaquin . Utah

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LANDSCAPE
planting plan

L1.1