

620 24TH STREET OGDEN, UT 84401 BP-ARCHITECTS.NET P **801.394.3033** F 801.394.9064

LIBERTY WARD PARKING LOT ADDITION Liberty, Utah



PROJECT TEAM:

OWNER:

CORPORATION OF THE PRESIDING BISHOP OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS A UTAH CORPORATION SOLE 50 EAST NORTH TEMPLE STREET SALT LAKE CITY, UTAH 84150

ARCHITECT:

BOTT PANTONE ARCHITECTS 620 24TH STREET OGDEN, UTAH 84401 801 394 3033

LANDSCAPING:

CACHE-LANDMARK 95 GOLF COURSE RD #101 LOGAN, UTAH 84321 435.713.0099

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G101 COVER SHEET / GENERAL INFORMATION

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L2.0 IRRIGATION PLAN

L2.1 IRRIGATION DETAILS

L2.2 IRRIGATION DETAILS

VICINITY MAP:



STANDARD SYMBOL LEGEND:

Building/Wall Section Reference Sheet Reference Detail Reference Sheet Reference

Elevation Marker Elevation Reference

Room Number Door Designation

Sheet Reference

Window Designation 108'-0" Reflected Ceiling Elevation

ROOM TITLE

100

Room Title Room Number Partition Type

Keyed Note

STANDARD SYMBOL LEGEND:

Gravel / Rock Fill Batt Insulation Ceramic Tile (in elevation) Gypsum Board Particle Board Sand, Plaster, Stucco & Sand Concrete & Plaster (in elevation) Setting Beds

Glass (in elevation)

Rigid Insulation

Metal Studs

Wood Framing (cont. member)

Wood Framing (interrupted

Concrete Masonry Units

Compacted Backfill

Finish Lumber

ABBREVIATIONS:

	217 (110 110)				
@	At	eb	Expansion Bolt	max	Maximum
Ø	Diameter	eifs	Exterior Insul Fin System	mech	Mechanical
#	Pound or Number	exp jt	Expansion Joint	mtl	Metal
ab	Anchor Bolt	elec	Electrical	mfr	Manufacturer
act	Acoustical Tile	elev	Elevation	min	Minimum
adj	Adjustable	eq	Equal	nic	Not In Contract
aff	Above Finish Floor	equip	Equipment	nts	Not To Scale
alum	Aluminum	ewc	Elec Water Cooler	O.C.	On Center
bd	Board	exist	Existing	pl	Plate
bldg	Building	ext	Exterior	P	Property Line
bm	Beam	fd	Floor Drain	plas lam	Plastic Laminate
bot	Bottom	fdn	Foundation	plywd	Plywood
brg	Bearing	fecb	Fire Extinguisher Cab	rb	Resilient Base
bur	Built Up Roofing	fin fl	Finish(ed) Floor	re:	Reference
cab	Cabinet	ft	Foot or Feet	reinf	Reinforce(d) (ing)
cjt	Control Joint	ftg	Footing	rfg	Roofing
Ψ	Center Line	fur	Furring	rm	Room
clg	Ceiling	ga	Gauge	SC	Solid Core
cmu	Concrete Masonry Units	galv	Galvanized	sch	Schedule
col	Column	gc	General Contractor	sec	Section
conc	Concrete	gl	Glass	sim	Similar
const	Construction	gyp bd	Gypsum Board	spec	Specification
const jt	Construction Joint	hc	Hollow Case	sq	Square
cont	Continuous	hdwd	Hardwood	stl	Steel
contr	Contract(or)	hdwr	Hardware	temp gl	Tempered Glass
corr	Corridor	hdrl	Handrail	typ	Typical
ct	Ceramic Tile	hm	Hollow Metal	vct	Vinyl Composition Tile
det	Detail	id	Inside Diameter	w/	With
dim	Dimension	incl	Include(d) (ing)	wd	Wood
dn	Down	insul	Insulation	wdw	Window
dr	Door	int	Interior	w/o	Without
ea	Each	jt	Joint	wsct	Wainscot

SITE DEVELOPMENT STATISTICS:

TOTAL LOT SIZE : 154,753 S.F. BUILDING & PARKING LOT AREA : 110,859.78 S.F. LANDSCAPING AREA : 43,893.22 S.F.

PARKING STALLS:

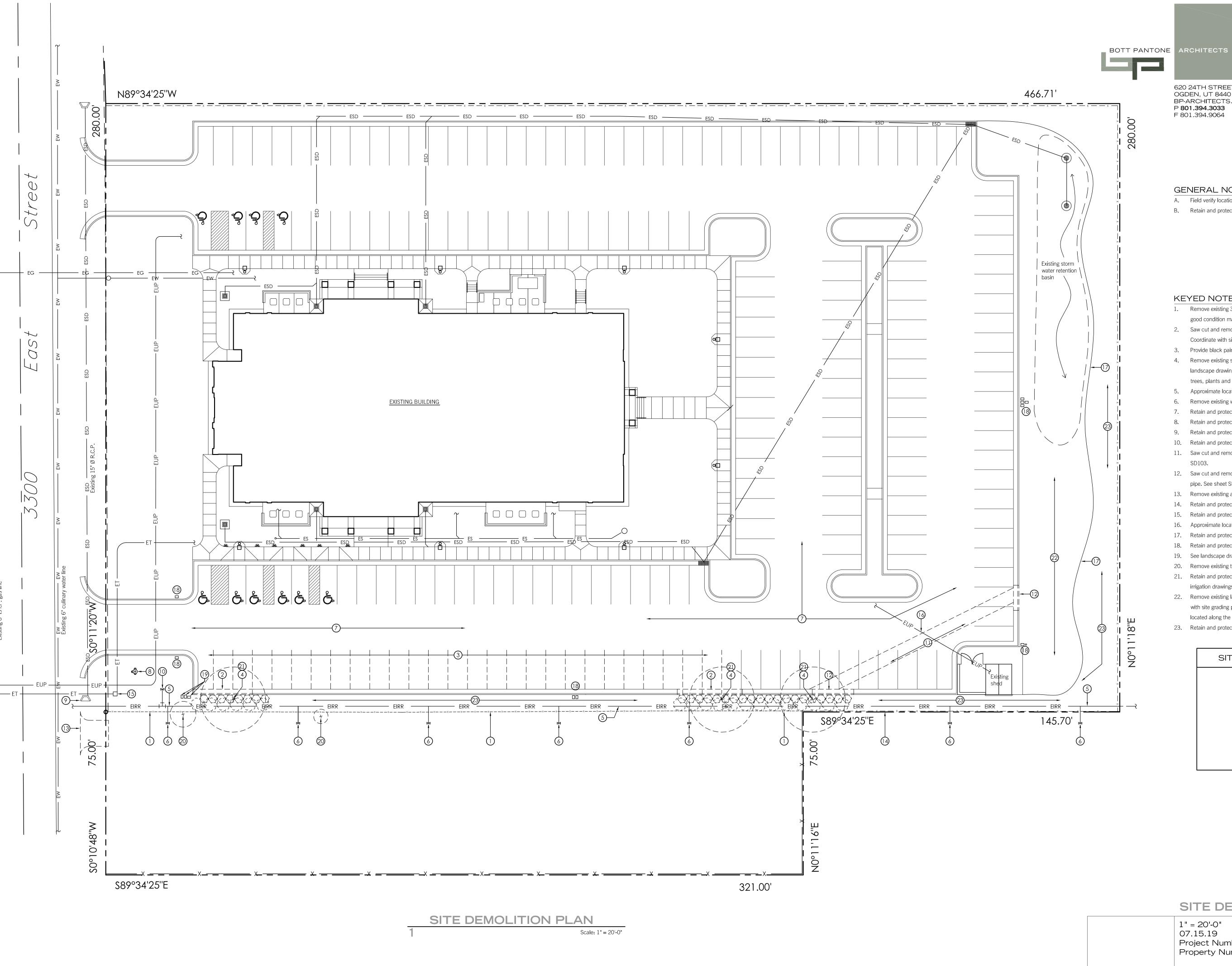
EXISTING STALL COUNT : 201 STALLS
NET GAIN WITH ADDITION : 49 STALLS
TOTAL STALL COUNT : 250 STALLS

HANDICAP STALLS REQUIRED : 7 STALLS (INCLUDING 2 VAN STALLS) HANDICAP STALLS PROVIDED : 10 STALLS (INCLUDING 2 VAN STALLS)

COVER SHEET / GENERAL INFORMATION

07.15.19 Project Number: 1922 Property Number: 538-7388





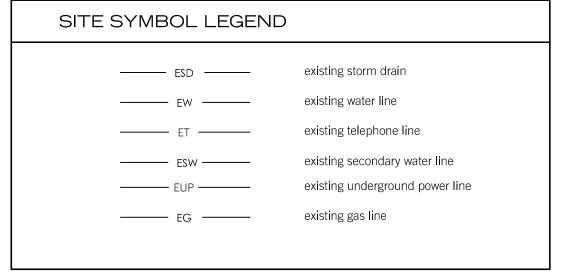
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GENERAL NOTES:

- A. Field verify locations of all utilities, improvements, etc.
- B. Retain and protect all existing site improvements except where noted to be removed.

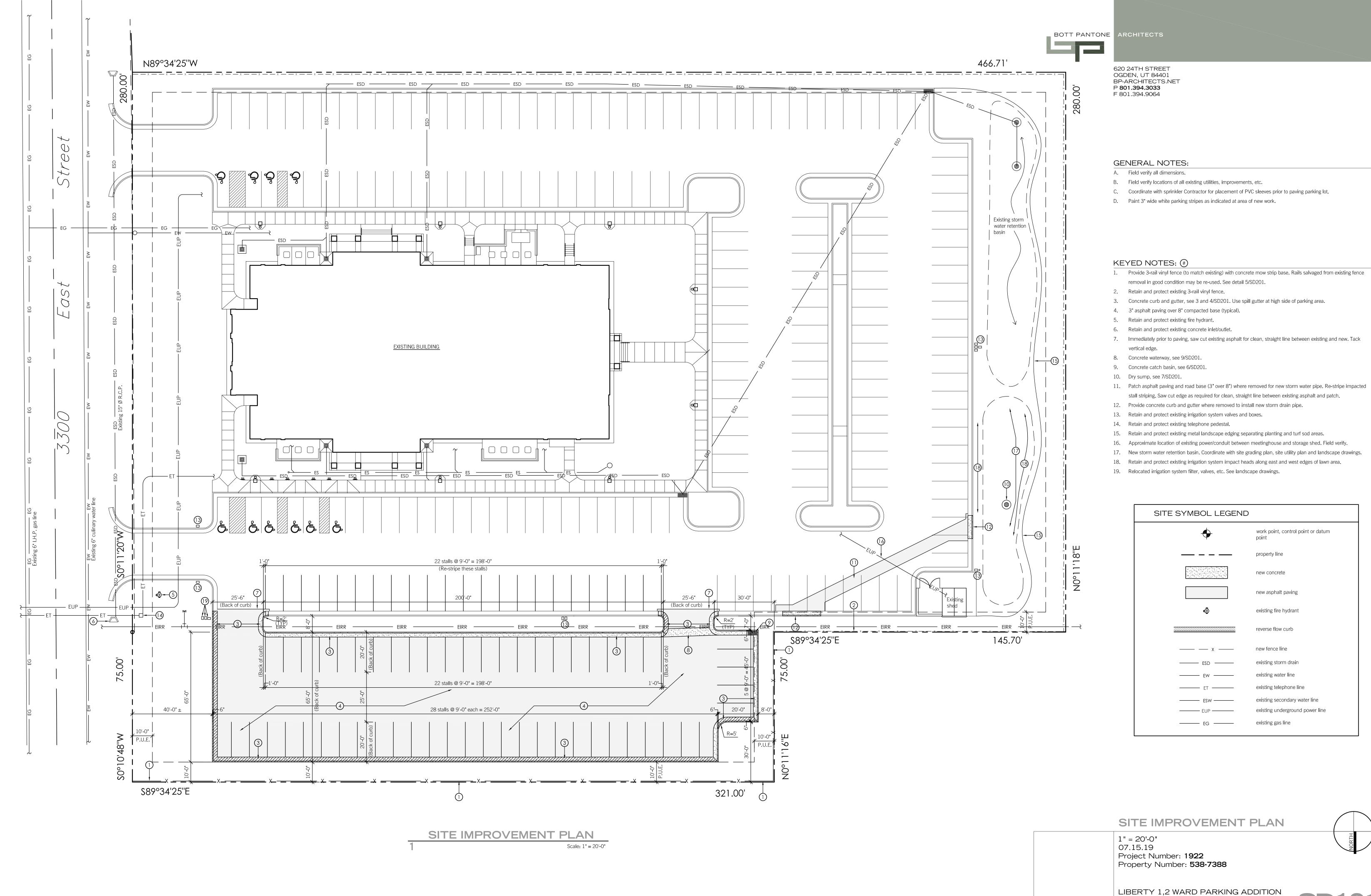
KEYED NOTES: (#)

- 1. Remove existing 3-rail vinyl fence and concrete mowstrip at area of new property addition. Rails salvaged in good condition may be re-used in new fencing.
- 2. Saw cut and remove portion of existing concrete curb and gutter at area of new drive lane to new property. Coordinate with site improvement plan SD101.
- 3. Provide black paint over existing parking stripes in preparation for new striping shown on sheet SD101.
- 4. Remove existing shrubs, plants and tree from area of new work. Remove tree roots completely. Coordinate with landscape drawings for modifications to irrigation system in this area. Retain and protect remaining existing trees, plants and shrubs in this planting bed during course of construction.
- 5. Approximate location of existing 6" PVC irrigation waterline to be abandoned in place.
- 6. Remove existing water valve and salvage for re-use.
- 7. Retain and protect existing asphalt-paved parking lot, except where noted otherwise.
- 8. Retain and protect existing fire hydrant.
- 9. Retain and protect existing concrete inlet/outlet.
- 10. Retain and protect existing 2" irrigation connection serving meetinghouse site.
- 11. Saw cut and remove existing asphalt paving as required for installation of new storm drain pipe. See sheet
- 12. Saw cut and remove portion of existing concrete curb and gutter as required for installation of new storm drain pipe. See sheet SD103.
- 13. Remove existing asphalt/gravel drive approach.
- 14. Retain and protect existing 3-rail vinyl fence beyond area of new work.
- 15. Retain and protect existing telephone pedestal.
- 17. Retain and protect existing metal landscape edging separating planting and turf sod areas. 18. Retain and protect existing irrigation valve box.
- 19. See landscape drawings for relocation of existing irrigation valves, filter, etc.
- 20. Remove existing tree, including roots.
- 21. Retain and protect existing 2" PVC meetinghouse irrigation system main line shown on original meetinghouse irrigation drawings to run through this area.
- 22. Remove existing lawn from this area and re-grade for new storm water sump and retention basin. Coordinate with site grading plan and landscape drawings. Retain and protect existing irrigation system impact heads located along the east and west sides of this lawn area.
- 23. Retain and protect existing trees and shrubs in planting area.



SITE DEMOLITION PLAN

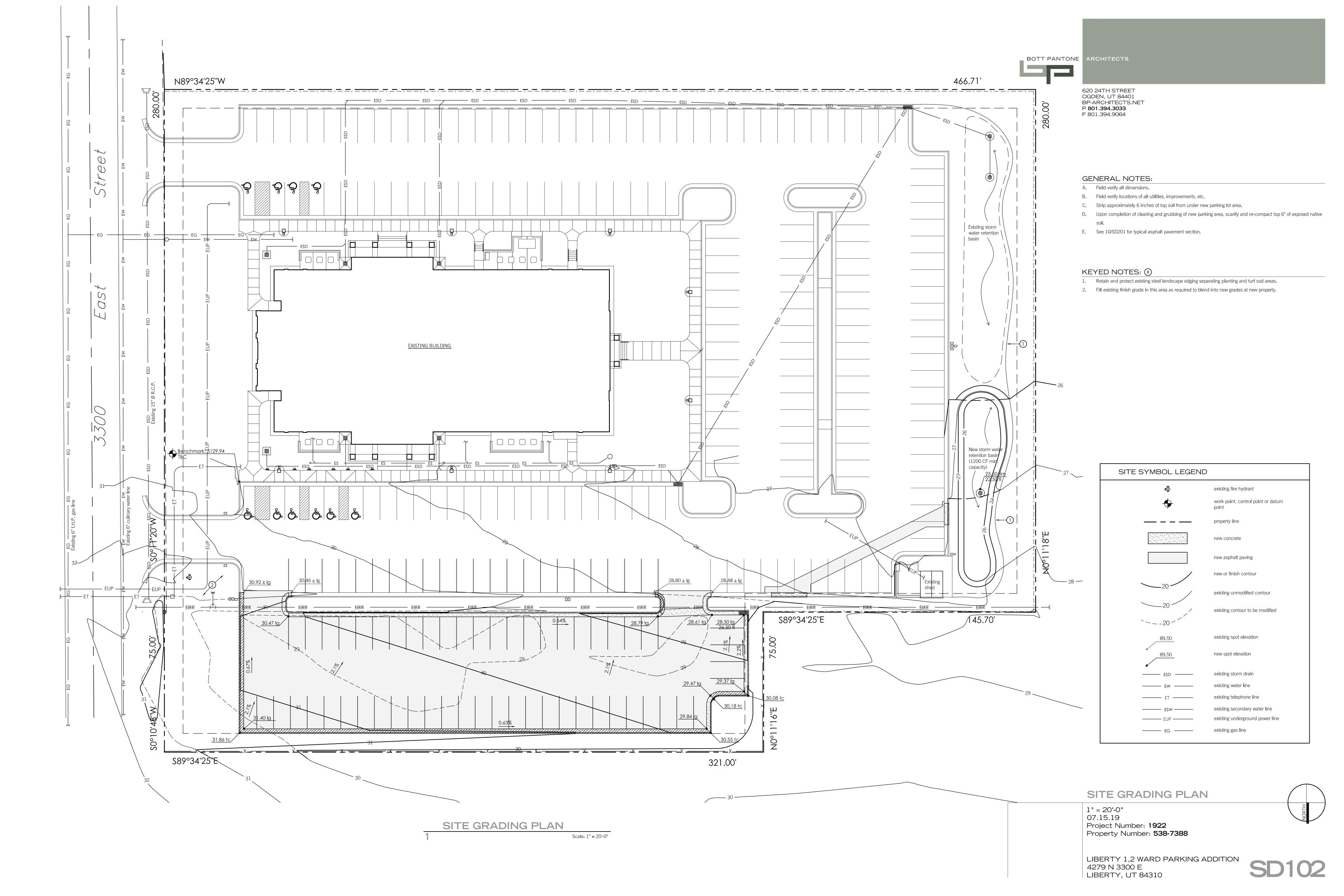
1" = 20'-0" 07.15.19 Project Number: 1922 Property Number: 538-7388

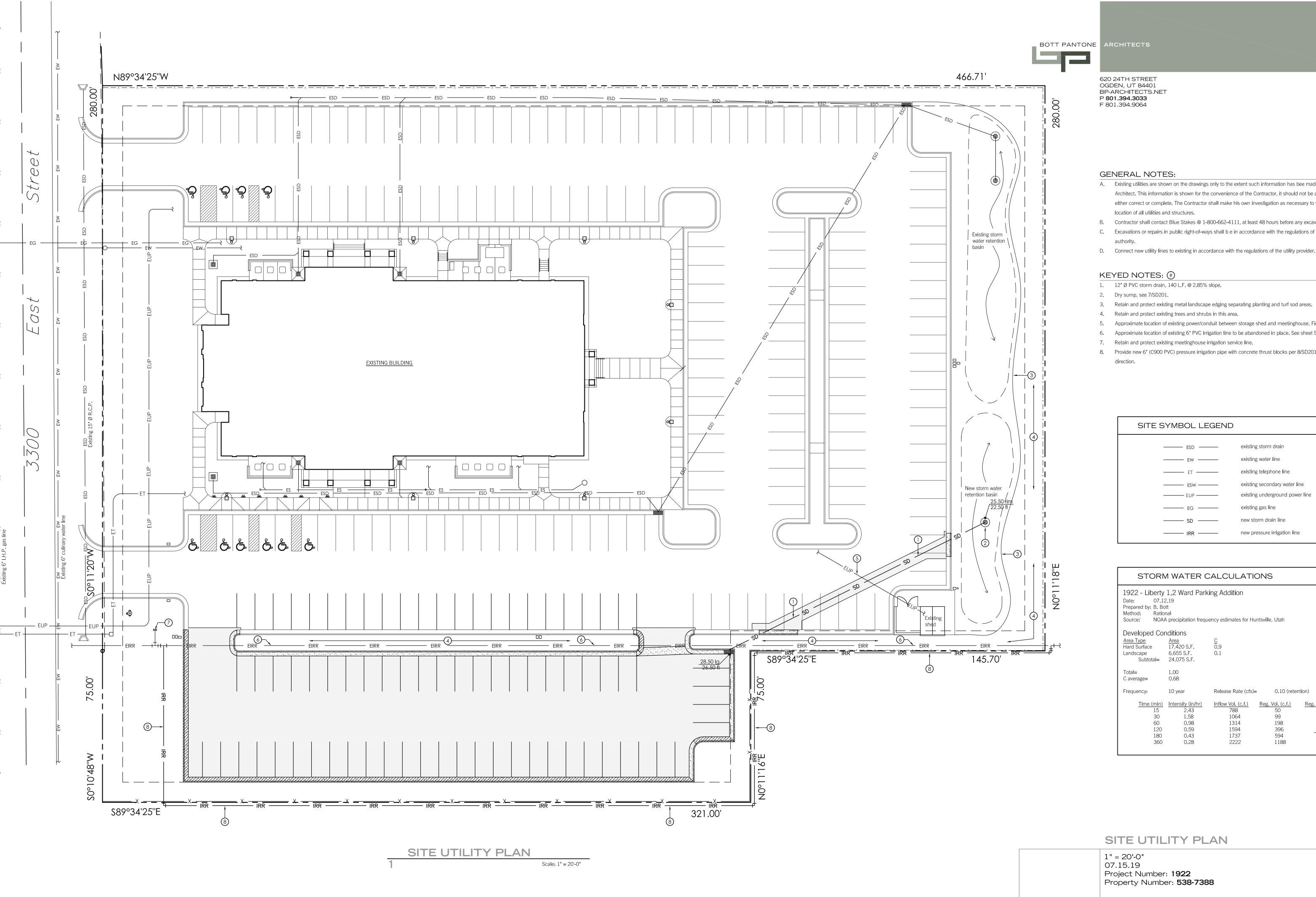


SD101

4279 N 3300 E

LIBERTY, UT 84310





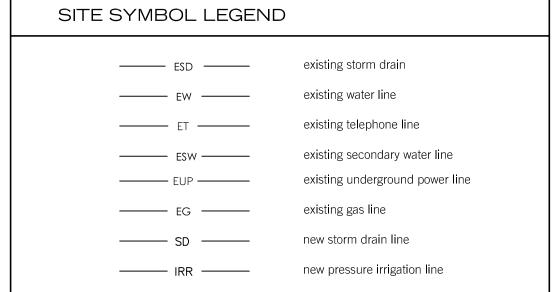
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GENERAL NOTES:

- A. Existing utilities are shown on the drawings only to the extent such information has bee made available to the Architect. This information is shown for the convenience of the Contractor, it should not be assumed to be either correct or complete. The Contractor shall make his own investigation as necessary to verify the exact location of all utilities and structures.
- B. Contractor shall contact Blue Stakes @ 1-800-662-4111, at least 48 hours before any excavation begins.
- C. Excavations or repairs in public right-of-ways shall be in accordance with the regulations of the local governing authority.
- D. Connect new utility lines to existing in accordance with the regulations of the utility provider.

KEYED NOTES:

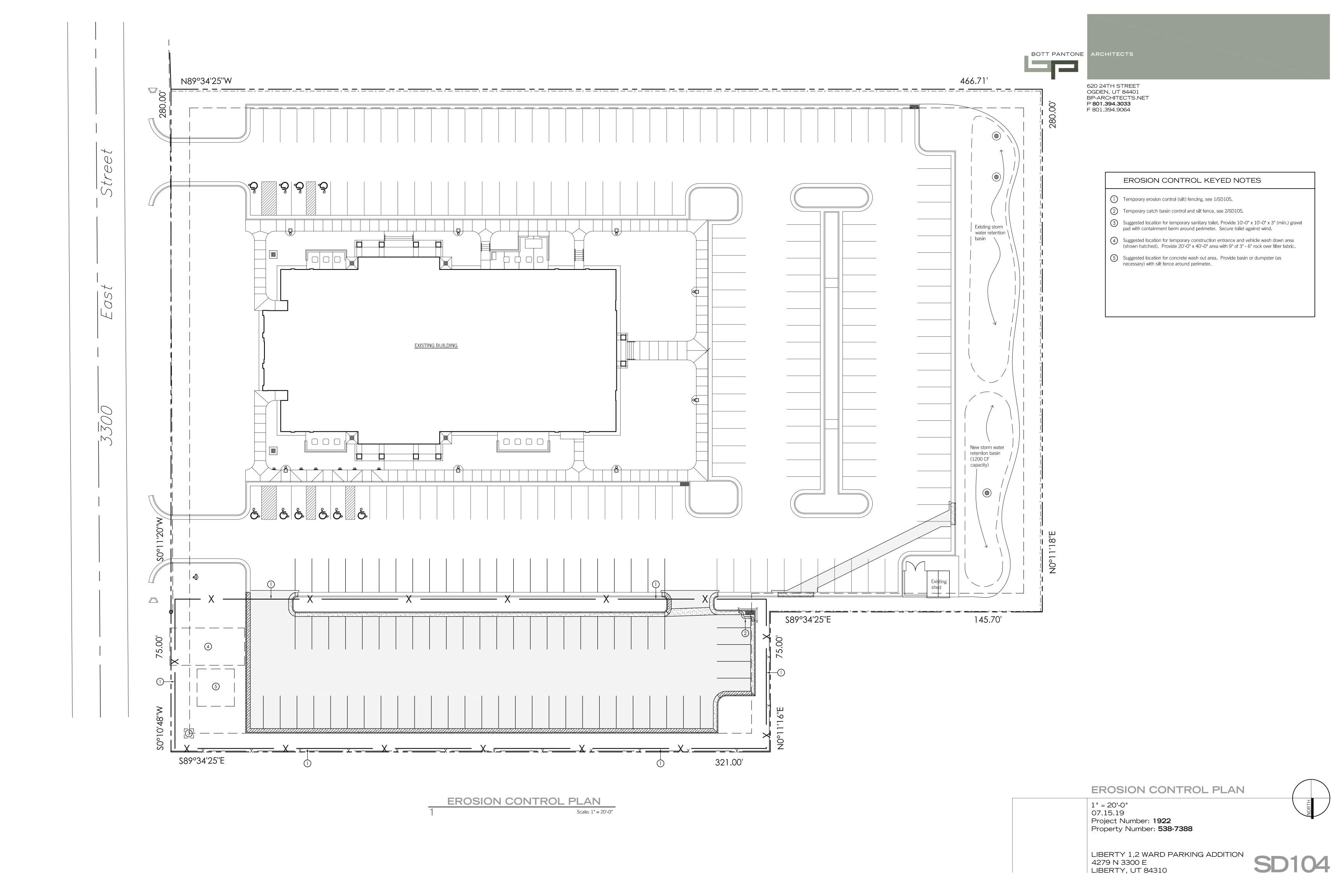
- 1. 12" Ø PVC storm drain, 140 L.F. @ 2.85% slope.
- 2. Dry sump, see 7/SD201.
- 4. Retain and protect existing trees and shrubs in this area.
- 5. Approximate location of existing power/conduit between storage shed and meetinghouse. Field verify location.
- 6. Approximate location of existing 6" PVC irrigation line to be abandoned in place. See sheet SD100.
- 7. Retain and protect existing meetinghouse irrigation service line.
- 8. Provide new 6" (C900 PVC) pressure irrigation pipe with concrete thrust blocks per 8/SD201 at change of

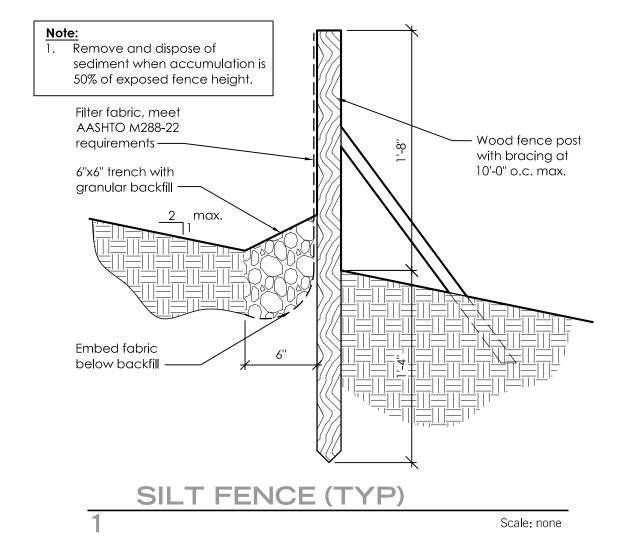


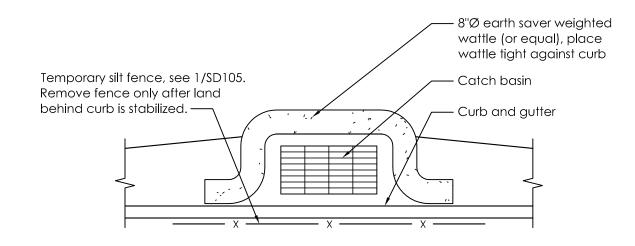
1000				
Date: 07.12 Prepared by: B. Bo Method: Ratio	ott nal	ing Addition	untsville, Utah	
Developed Cor <u>Area Type</u> Hard Surface Landscape Subtotal=	<u>Area</u> 17,420 S.F. 6,655 S.F.	<u>C</u> 0.9 0.1		
Total= C average=	1.00 0.68			
Frequency:	10 year	Release Rate (cfs)=	= 0.10 (rete	ntion)
Time (min) 15 30 60 120 180 360	Intensity (in/hr) 2.43 1.58 0.98 0.59 0.43 0.28	Inflow Vol. (c.f.) 788 1064 1314 1594 1737 2222	Reg. Vol. (c.f.) 50 99 198 396 594 1188	Reg. Stor. (c 738 965 1116 1198 1143 1034

SITE UTILITY PLAN

Project Number: 1922 Property Number: 538-7388







Inspect sediment at catch basin after each major storm event or at least bi-weekly. Remove sediment from catch basin immediately once it reaches 50% of wattle height.

CATCH BASIN CONTROL Scale: 1/4" = 1'-0"

EROSION CONTROL PLAN NOTES

- Contractor shall use vehicle tracking control at all locations where vehicle will enter or exit the site. Control facilities will be maintained while construction is in progress, moved when necessary and removed when the site is paved.
- 2. If the gravel construction entrances are not effective in removing the majority of the dirt or mud from the tires of the construction vehicles, then the tires must be washed before the vehicles enter a public road. If washing is used provisions must be made to intercept the wash water and trap the sediment from being carried off site.
- 3. All materials spilled, dropped, washed, or tracked from vehicles onto the roadways or into storm drains must be removed immediately.
- 4. The construction entrances shall be maintained in a fully functional condition until final stabilization of the site. This may require periodic top dressing of the construction entrances as conditions demand. All erosion and sedimentation control measures shall be checked and repaired by a qualified person at least once every seven calendar days and within 24 hours of the end of a rainfall event.
- 5. Equipment to clean vehicles (brooms, water hose, etc.) must be available on site in order to clean vehicles prior to exiting construction site.
- Storm water pollution prevention notes
- 1. Description of construction activity: site development for an addition to an existing church parking lot.
- 2. Sequence of major activities
 - a. Stripping of site b. Rough grading
 - c. Installation of underground utilities
 - d. Installation of curb and gutter
 - e. Finish grading f. Installation of base and pavement
 - g. Final landscaping
- 3. Total area of new work: 24,075 S.F.
- 4. Drainage patterns and slopes found on SD102.
- 5. Location of major structures and nonstructural controls found on SD101.

Erosion control general notes

- 1. No site work shall begin until siltation fences are in place and approved by the
- 2. Take all precautions necessary to prevent erosion and transportation of soils to adjacent properties, streets, sidewalks, and into on-site drainage systems.
- 3. Repair and correct damage caused by erosion within 48 hours. The surfaces of cut and fill slopes shall be prepared and maintained to control erosion. This may include plantings. The protection for the slopes shall be installed as soon as practicable and before calling for final approval.

Air quality control general notes

- 1. All on-site work, throughout the length of the project, must conform with the Utah Division of Air Quality regulations.
- 2. Contractor shall take all steps necessary to minimize fugitive dust from becoming airborne. Such control may include watering, temporary hydro-seeding and/or chemical stabilization. Keep active areas of construction damp, spray as often as required to prevent fugitive dust. Do not proceed with work during high wind periods if dust can not be controlled.
- 3. On-site burning of refuse is strictly forbidden.

EROSION CONTROL NOTES

Erosion control plan specific notes

- This plan identifies potential sources of pollutants of storm water, presents pollution control measures, and assists in insuring implementation and maintenance of the best management practices (bmp's) indicated herin.
- 2. A notice of intent has been filed with the state of utah water resources control board by the owner so that this construction project may be covered under the state general permit. The permit is national pollution discharge elimination system (npdes) general permit (no. utr 620000) for storm water discharges associated with construction activity.
- 3. In the event of a change in ownership, a new notice of intent shall be filed with the state water resources control board.
- 4. In the event of a release of a reportable quantity of a pollutant, the contractor shall advise the owner to notify the national response center. Weber county and the Architect. If necessary. this pollution prevention plan should be revised to reflect the change in conditions of the construction activity. A reportable quantity is established by 40 code of federal regulations (cfr) 117.3 or 40 cfr 302.4.
- All contractors and their personnel whose work can contribute to or cause pollution of storm water should be made familiar with this pollution prevention plan. Adequate training for implementation of the measures presented herein shall be provided to the contractors and their personnel.
- 6. Changes in construction or in conditions which are not covered by this plan should be brought to the attention of the owner, and county. If necessary, this pollution prevention plan will be revised to reflect the change in construction or in conditions.
- All prevention and clean up measures should be conducted in accordance with Weber county ordinances, as well as state and federal regulations. Waste materials should be disposed of in a legal manner. All dischargers of storm water must comply with the lawful requirements of Weber county and other local agencies regarding the discharges of storm water to storm drains.
- 8. This plan does not cover the removal of hazardous or toxic waste. In the event of a discharge or release of a reportable quantity of toxic waste, work should be stopped until the spill can be assessed and a mitigation report prepared by a qualified environmental consultant, and if necessary, reviewed by Weber county and any other agency having jurisdiction.
- This erosion control plan shall be made available to the public under section 308(b) of the clean water act. Upon request by members of the public, the discharger shall make available for eview a copy of this plan either to the regional water board o directly to the requester. This plan must be kept on site during construction activity and made available upon request of a representative of the regional water board and/or the local
- 10. The proposed construction activity is construction of a parking lot addition to an existing meetinghouse site for The Church of Jesus Christ of Latter-Day Saints.

Erosion control plan general notes

- A. Prohibition on most non-storm water discharges only storm water from the project site shall be allowed to flow into the on-site storm drain system. Clean, non-chlorinated water from the flushing of fire hydrants, water mains, and storm drains may be discharged to the storm drain if it is not allowed to collect dirt, debris, and trash while flowing to a storm drain inlet.
- B. Sources of storm water pollutants storm water pollutants include soil sediment and nutrients, oil, grease, toxic pollutants, and heavy metals. Sources of storm water pollutants include but are not limited to soil erosion by water and/or wind; clearing of vegetation; grading; vehicle and equipment refueling and maintenance; washing of concrete trucks, mixers and handling equipment; paints, solvents and adhesives; and landscaping work.

C. Erosion and sediment controls

- 1. Cover exposed stockpiles of soils, construction and landscaping materials with heavy plastic sheeting. 2. In landscaping areas where the vegetation has not established growth and taken hold, construct sandbag or dirt berms around their perimeter to insure that water will be contained inside the landscaping area and that it will not be conveyed to a storm drain inlet.
- 3. Re-vegetate areas where landscaping has died or not taken
- 4. Divert storm water runoff around disturbed soils with berms or dirt swales.

D. Other controls

- 1. Waste disposal a. Keep disposal containers covered.
- b. Provide for the weekly (or more frequent, if necessary) disposal of waste containers. c. Provide containers at convenient locations around the

Sweeping of site

- a. Provide weekly sweeping by hand or mechanical means to keep the paved areas of the site free of dust, dirt, and
- b. Dispose of accumulated dirt in waste containers, or haul it off the site to a landfill
- 3. Sanitary/septic disposal portable toilets and other sanitary facilities shall be serviced weekly and pumped clean by a waste disposal company. No toxic or hazardous waste shall be disposed in a portable toilet or in the on-site sanitary

4. Spills

- a. Store adequate absorbent materials, rags, brooms, shovels, and waste containers on the site to clean-up spills of materials such as fuel, paint, solvents, or
- cleaners. Clean up minor spills immediately. b. For reportable quantity of hazardous or toxic substance, secure the services of qualified personnel or clean-up and disposal.
- 5. Control of allowable non-storm water discharges landscaping irrigation, erosion control measures, pipe flushing and testing, and pavement washing are allowed if they cannot feasibly be eliminated, comply with this plan, do not cause or contribute to a violation of water quality standards, and are not required to be permitted by the local regional water quality control board.

6. Vehicles and equipment

- a. Fix leaks of fuel, oil and other substances immediately. b. Perform refueling and service of vehicles or equipment off-site when possible. If refueling or service of equipment is performed on-site, then provide an impervious, contained area where any spills can be contained without flowing to a storm water inlet or into
- the ground. c. Use drip pans to catch leaks and small spills.
- 7. Concrete trucks, mixers and handling equipment a. Do not dispose of washout from the washing of concrete trucks, mixers, and handling equipment where it will flow
- into a storm water inlet or into a public street. b. Provide a holding tank to receive any washout from concrete equipment. Disposal of tank contents should
- c. Provide a designated area for washing any vehicles or equipment. Drainage from this area should flow to the holding tank.

be conducted by a waste handling firm.

8. Landscaping operations

- a. Use only the minimum amount of landscaping fertilizes, nutrients, and other chemicals that are needed.
- b. Do not over water fertilized or treated landscape areas. Minimize runoff of irrigation water from landscaping.

9. Storm water inlets

keep all on-site storm water inlets clean and free of dirt and debris. In the event that sediment and debris may flow to an inlet, provide an 18-inch (minimum) strain barrier around the inlet to trap the dirt and debris and allow only clean storm water to enter the inlet.

E. Inspection

- 1. Regular interval inspection and inspection before and after
- a. Visually inspect the site weekly to insure that storm water inlets are free of dirt and debris. b. Before a storm, inspect the site to insure that storm
- water pollution control measures are in place. c. After a storm, inspect all storm water inlets to insure that
- they are clear of dirt and debris. Clean those storm water inlets that are not clear and free of debris. d. The regional water board may require the discharger to conduct additional site inspections, submit reports and certifications, or to perform sampling and analysis.
- 2. All dischargers are required to conduct inspections of the construction site prior to anticipated storm events and after actual storm events, to identify areas contributing to a storm water discharge, to evaluate whether measures to reduce pollutant loadings identified in this swppp are adequate, to properly implement in accordance with the terms of the general permit, and to determine whether additional control practices

3. Preparation of reports and retention of records

- a. Each discharger must certify annually that its construction activity is in compliance with the requirements of the general permit and this swppp. This certification must be based on the site inspections.
- b. The discharger is required to retain records of all monitoring information, copies of all reports required by this general permit, and records of all data used to complete the notice of intent for construction activity for a period of at least three years. This period may be extended by request of the state. With the exception of noncompliance reporting, dischargers are not required to submit the records except upon specific request by the state division of water quality.

F. Maintenance of controls

conditions.

repaired or restored

are needed.

- 1. Maintenance and repair all controls and measures indicated on this plan should be maintained in good and effective condition. If any controls or measures are damaged or removed, they should be promptly
- 2. Plan revisions if construction activity or conditions change from those shown in

G. Final stabilization and post-construction controls

1. After construction has been completed, the site shall be swept clean, storm water inlets (grates and basins) shall be cleaned, and all waste and leftover materials shall be removed from the

this plan, then this plan shall be revised to reflect the current

- 2. All landscaping and planting areas should be well maintained to prevent erosion. Avoid over watering of landscaping.
- 3. All paved areas should be swept weekly either by hand or by mechanical means to keep the site clear of dirt, dust, and
- 4. Waste materials on-site should be stored in covered containers which are cleaned out regularly.
- 5. Storm drain lines should be checked and cleaned annually to keep them clean and clear of debris.
- 6. All on-site storm water inlets should be clearly marked "storm water only".

<u>Definitions</u>

- 1. "best management practices" ("bmp's") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the united states. Bmp's also include treatment requirements, operating procedures, and practices to control site runoff, spillage or leaks, waste disposal, or drainage from raw material storage.
- Clean water act" ("cwa") means the federal water pollution control act enacted by public law 92-500 as amended by public laws 95-217, 95-576, 96-483, and 97-111; 33 usc 1251 et seq.

3. "construction site" is the location of the construction activity.

- 4. "non-storm water discharge" means any discharge to storm drain systems that is not composed entirely of storm water except discharge pursuant to an npdes permit and discharges resulting from fire fighting activities.
- 5. "significant materials" includes, but is not limited to raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production hazardous substances designated under section 101(14) of the comprehensive environmental response, compensation, and liability act (cerlca); any chemical the facility is required to report pursuant to section 313 of title iii of superfund amendments and reauthorization act (sara); fertilizers; pesticides, and waste products such as ashes, slag, and sludge that have the potential to be released with storm water discharges.
- "significant quantities" is the volume, concentrations, or mass of a pollutant in storm water discharge that can cause or threaten to cause pollution, contamination, or nuisance; adversely impact human health or the environment, and cause or contribute to a violation of any applicable water quality standards for the receiving
- 7. "storm water" means storm water runoff, snow melt runoff, surface runoff and drainage. It excludes infiltration and runoff from agricultural land.
- 8. Pollution" means the "man-made or man-induced alteration of the chemical, physical, biological, and radiological integrity of water" (clean water act section 502(19)). Pollution also means "an alteration of the quality of the waters of the state by waste to a degree which unreasonably affects either... The waters for beneficial uses... Or facilities which serve these beneficial uses." (california water code section 13050(I)).
- 9. "contamination" means "an impairment of the quality of the waters of the state by waste to a degree which creates a hazard to the public health through poisoning or through the spread of disease...Including any equivalent effect resulting from the disposal of waste, whether or not waters of the state are affected."
- 10. "nuisance" means "anything which meets all of the following requirements: (1) is injurious to health, or is indecent or offensive to the senses, or an obstruction to the free use of property, so as to interfere with the comfortable enjoyment of life and property; (2) affects at the same time an entire community or neighborhood, or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal; (3) occurs during or as a result of the treatment or disposal of
- 11. "local agency" means any agency that is involved with review. approval, or oversight of the construction sites' (a) construction activity, (b) erosion and sediment controls, (c) storm water discharge.

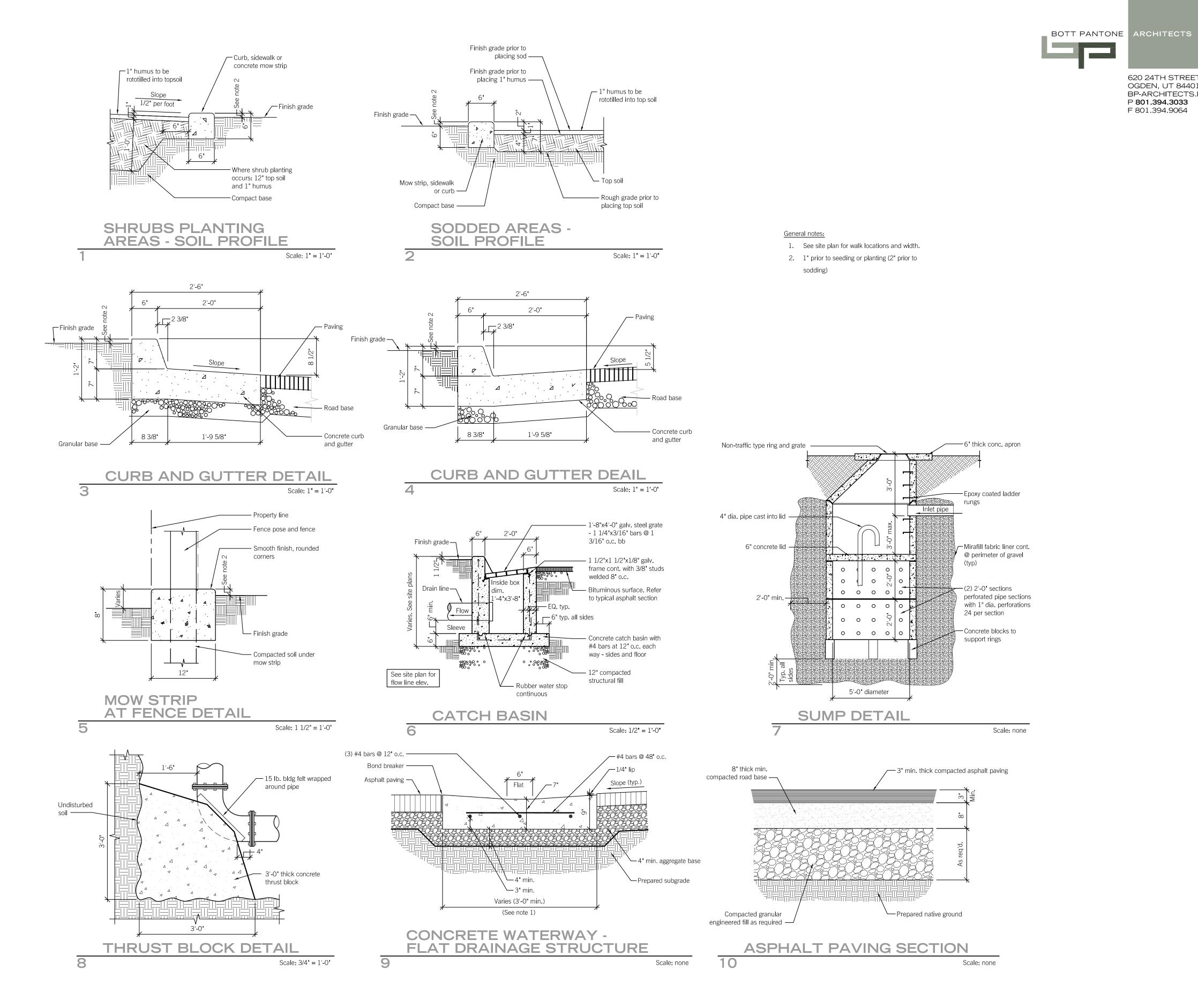
EROSION CONTROL NOTES

07.15.19 Project Number: 1922 Property Number: 538-7388

LIBERTY, UT 84310

LIBERTY 1,2 WARD PARKING ADDITION 4279 N 3300 E





SITE DETAILS

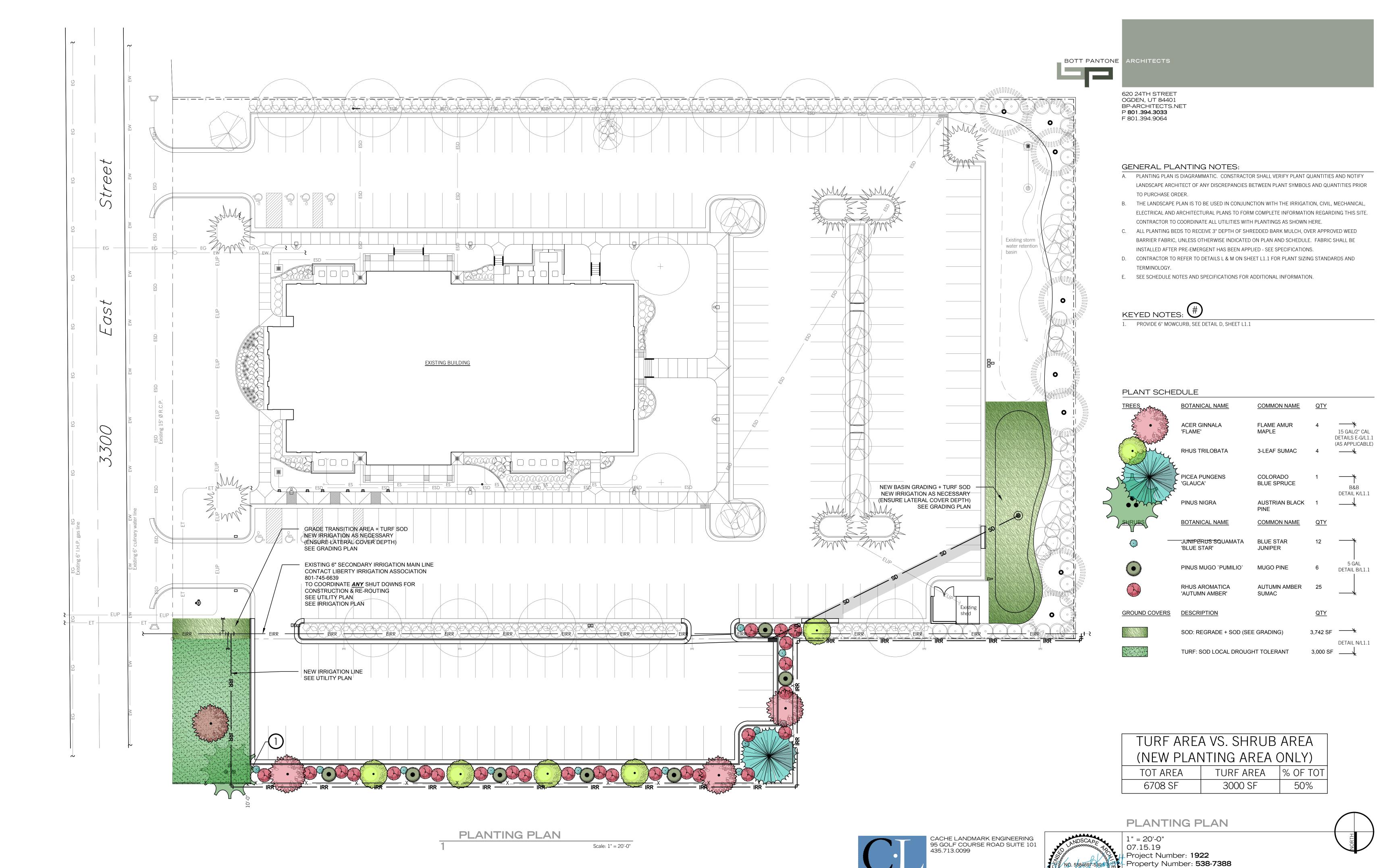
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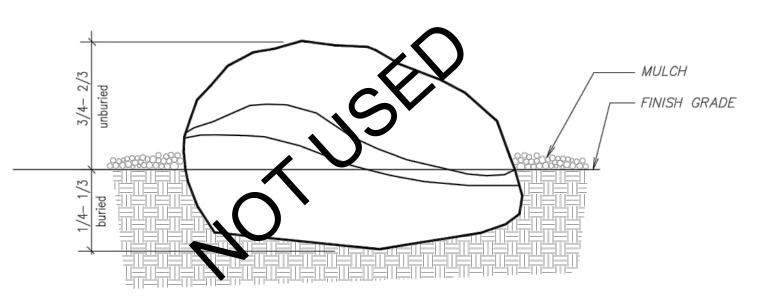
L1.0

KRISTOFOR L. KVARFORDT

LIBERTY 1,2 WARD PARKING ADDITION

4150 N 3300 E

LIBERTY, UT 84310





<u>NOTE;</u> DO NOT USE ROCK

TRUNK FLARE MUST -

SET TOP OF ROOT BALL-

BE VISIBLE ABOVE

2" ABOVE FINISH

FINISH GRADE-

GRAPTED BACKFILL-

MATERIAL AS PER

ROUGHEN SIDES AND-

BOTTOM OF HOLE

AUGER HOLE PER

SPECIFCATIONS

ROOT BALL -

MULCH

REMOVE

PACKAGING

MULCH IN LAWN AREAS.

FLEXIBLE STRAP ----TREE TIE - 1 (ONE) CONTINUOUS PIECE

TREE-

---- 3" MULCH TAPER TO TRUNK.

HOLD BACK 3" FROM BASE

STAKES

OF TRUNK

-PLANT PIT WITH

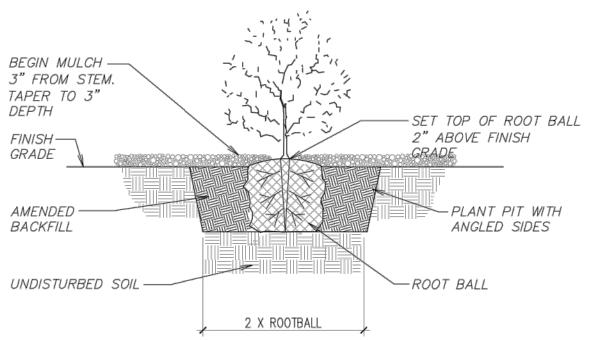
SLOPED BOTTOM

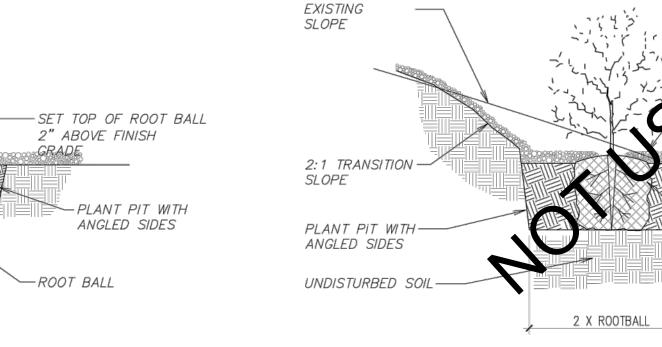
ANGLED SIDES AND

ROOFING -

NAIL (2)

<u>DETAIL</u>

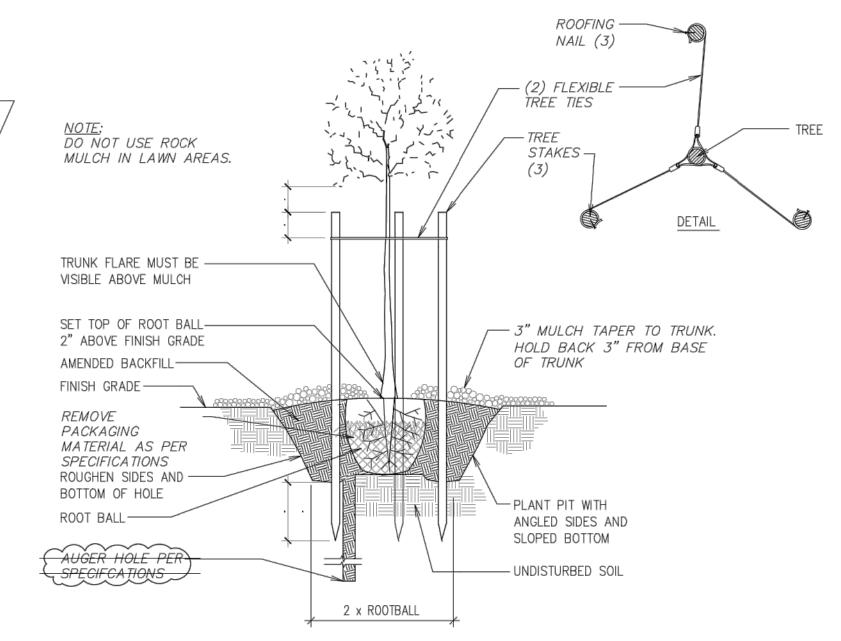




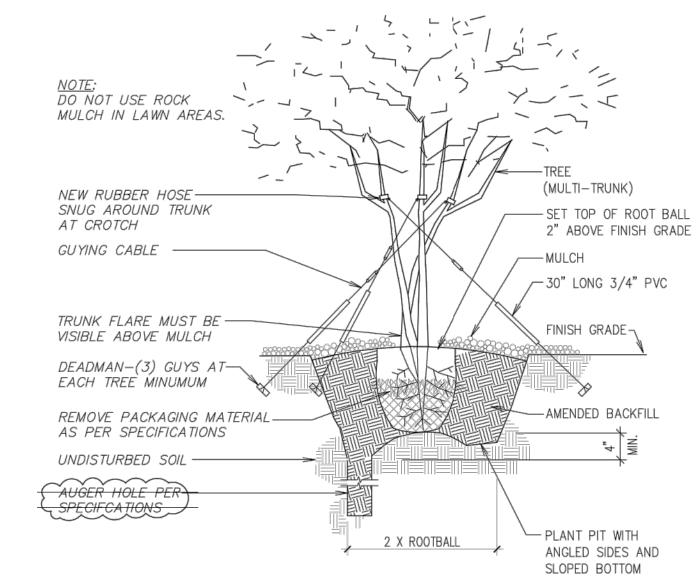


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TREE PLANTING AND STAKING (FOR WINDY AREAS ONLY)



3" FROM STEM

- WATER RETENTION

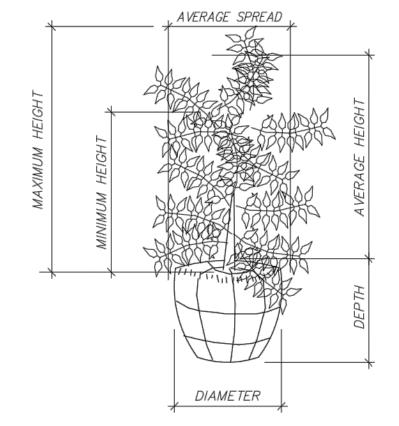
BERM

-ROOT BALL

- AMENDED **BACKFILL**

SLOPE PLANTING

TREE GUYING (G) (MULTI-TRUNK TREE)

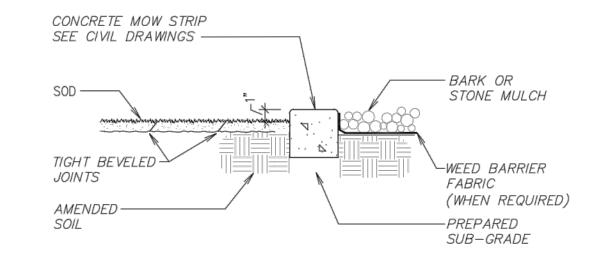


TYPICAL MEASUREMENT FOR M BROAD UPRIGHT TYPE

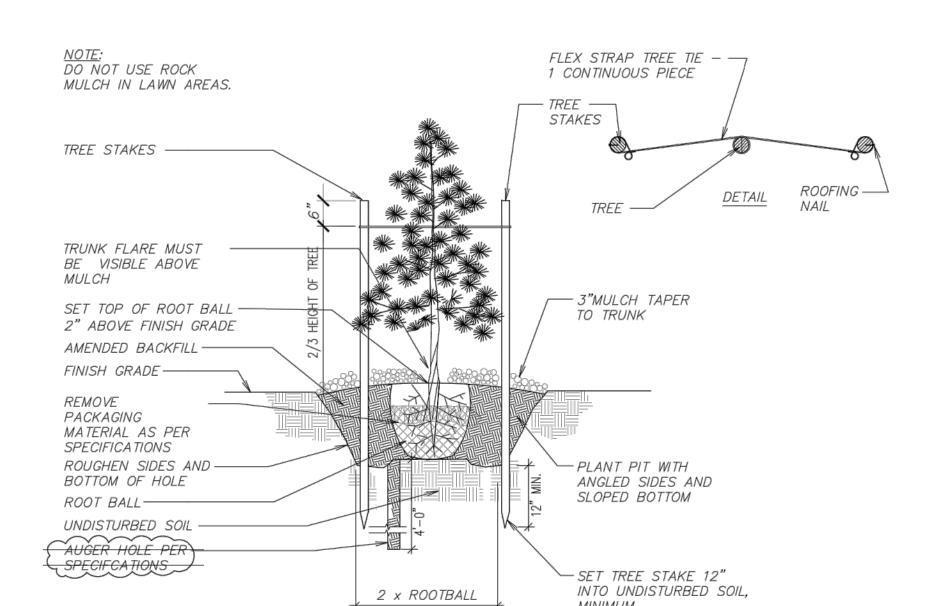
NOT TO SCALE



- STRUCTURAL CONCRETE. 2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AROUND MOW STRIPS-DO NOT CREATE A DAM EFFECT WITH PLACEMENT OF MOW STRIP.
- 3. MAXIMUM 1/2" WIDTH VARIATION. 4. PRECISELY FOLLOW LAYOUT AS SHOWN ON MOW STRIP/EDGING DIMENSION
- 5. RAISE THE LAWN GRADE 1" WHEN SEEDING.



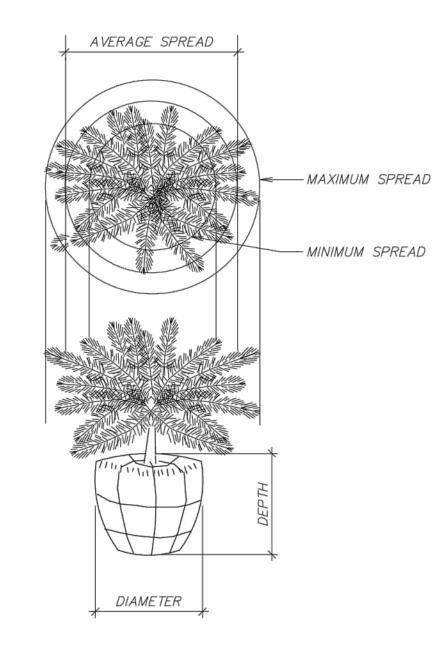
O CONCRETE MOW STRIP



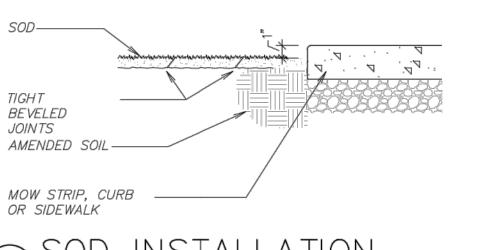
2 x ROOTBALL

E TREE PLANTING AND STAKING

CONIFER PLANTING AND STAKING
NO SCALE

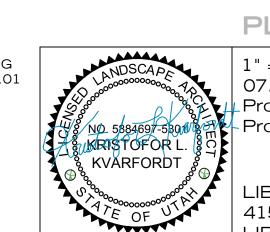


TYPICAL MEASUREMENT FOR PROSTRATE TYPE PLANTS



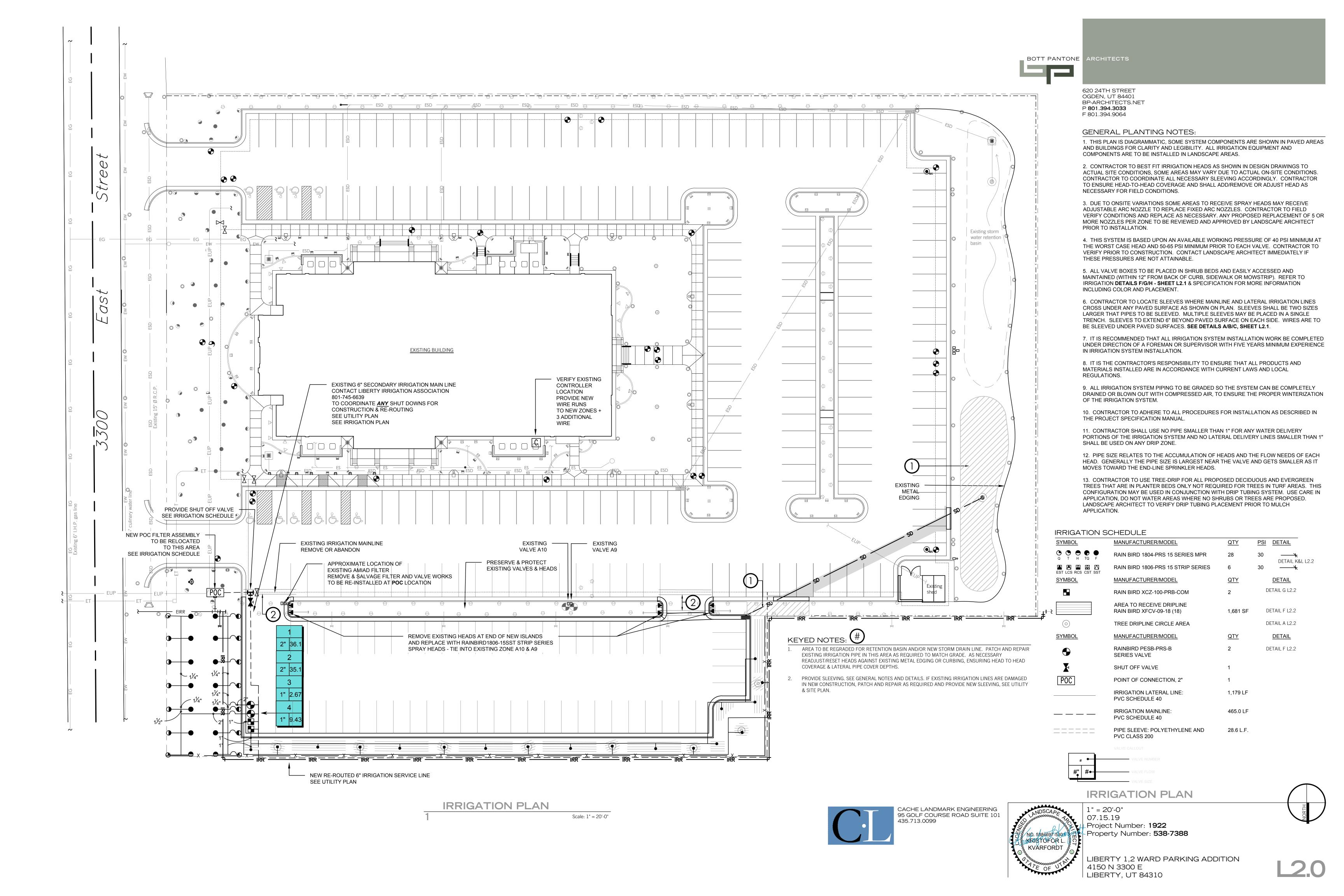
NOT TO SCALE

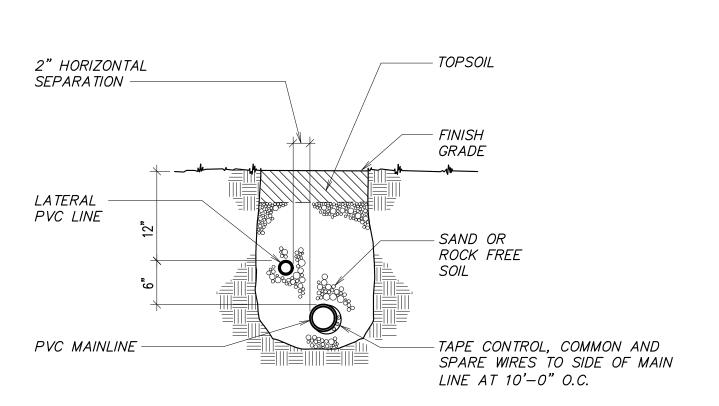




PLANTING DETAILS

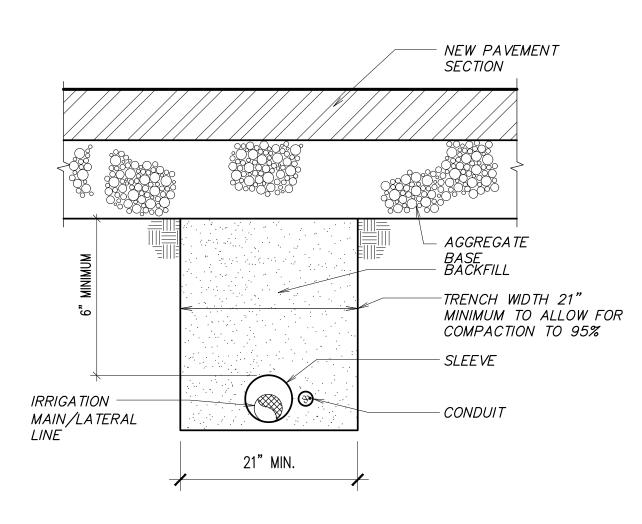
1" = 20'-0" 07.15.19 Project Number: 1922 Property Number: **538-7388**



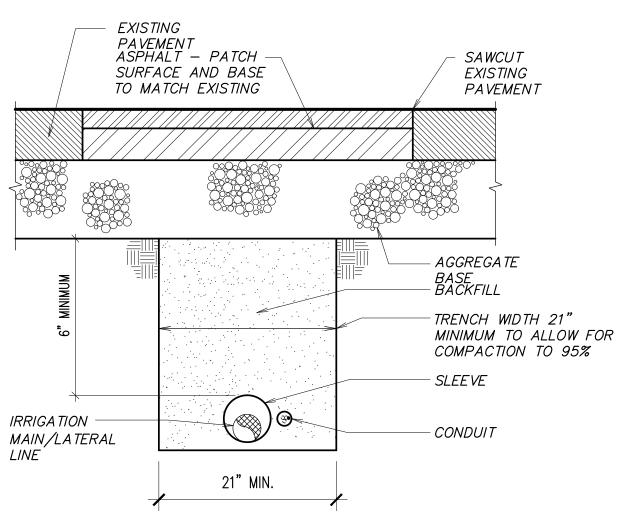


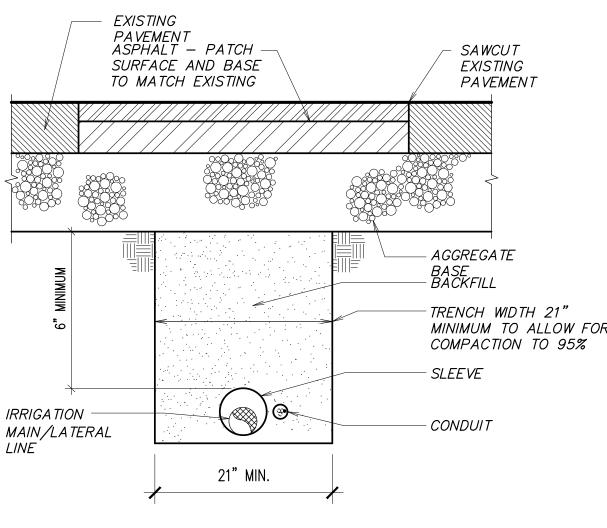
CONVENTIONAL WIRE SYSTEM

A TRENCH SECTION NO SCALE

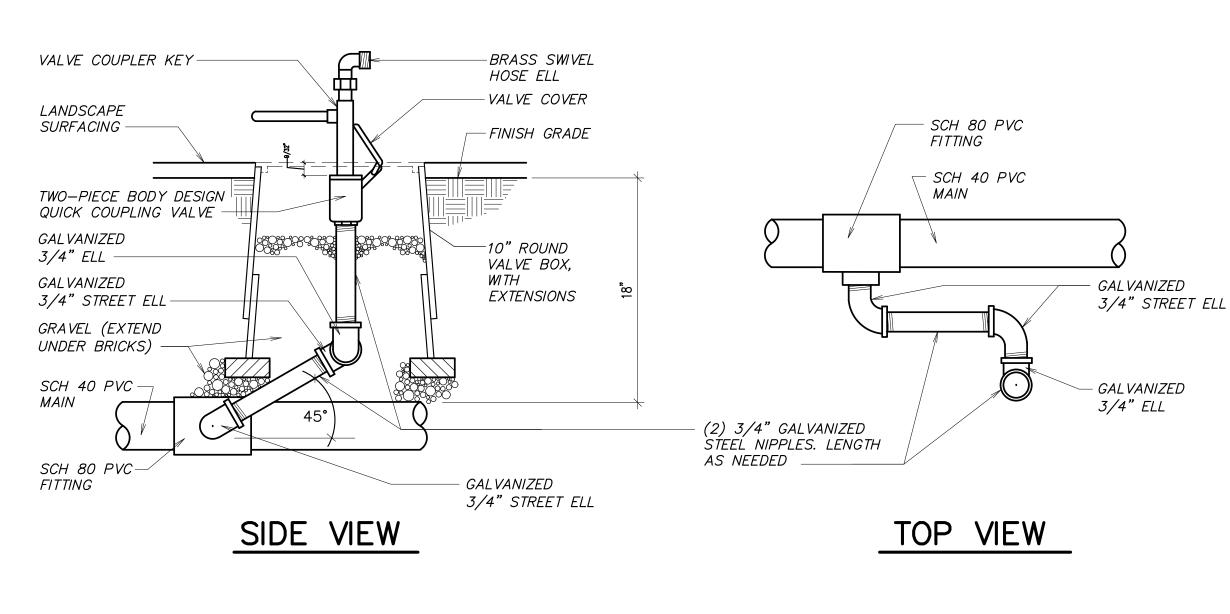


MISC. PIPE TRENCH DETAIL B NEW PAVEMENT AREAS
NO SCALE

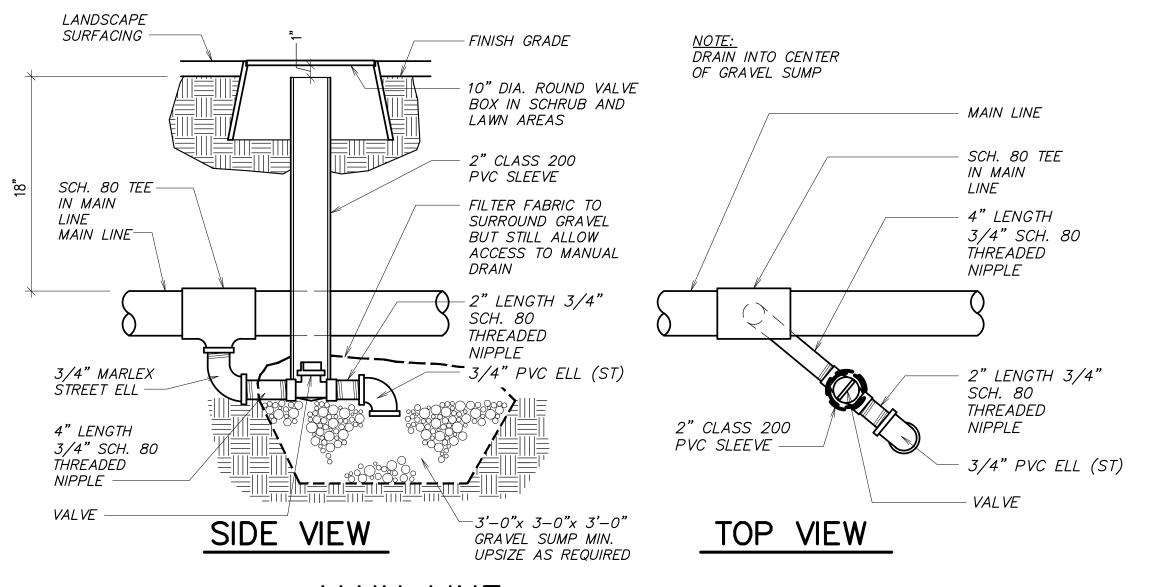




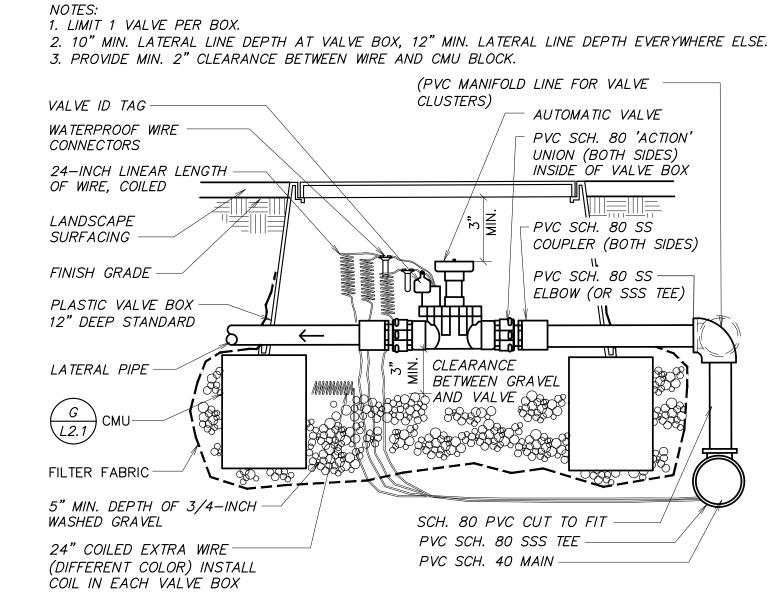
MISC. PIPE TRENCH DETAIL C EXIST. PAVEMENT AREAS



QUICK COUPLING VALVE



MAIN LINE DRAIN VALVE USE AT EVERY LOW SPOT ON MAINLINE



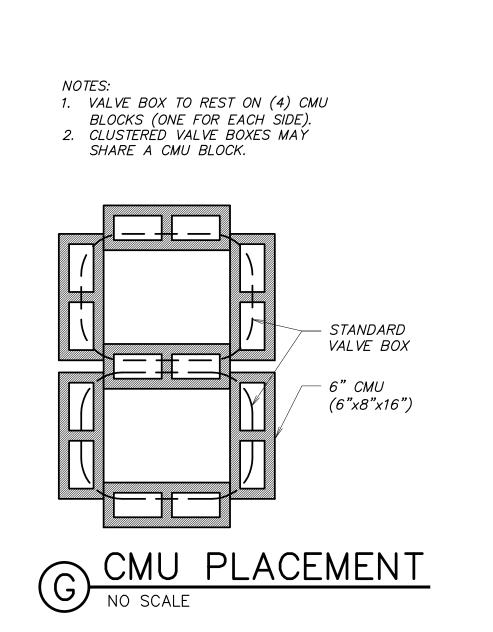
BOTT PANTONE ARCHITECTS

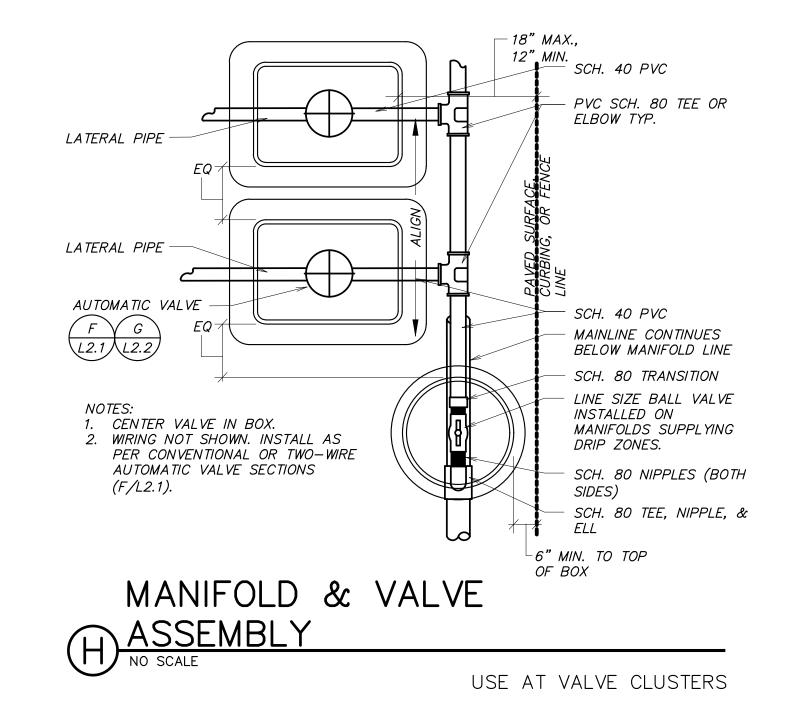
620 24TH STREET OGDEN, UT 84401 **BP-ARCHITECTS.NET**

₽ 801.394.3033

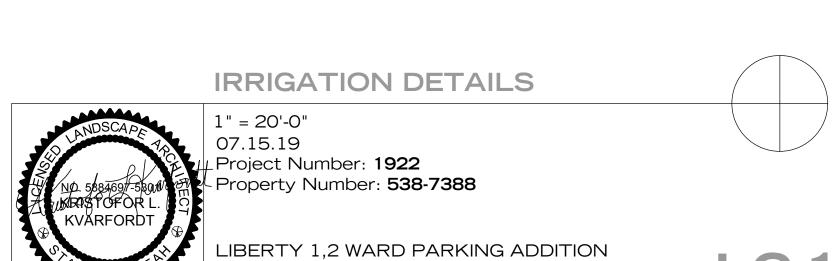
F 801.394.9064

AUTOMATIC VALVE WITH (F) CONVENTIONAL WIRE SYSTEM









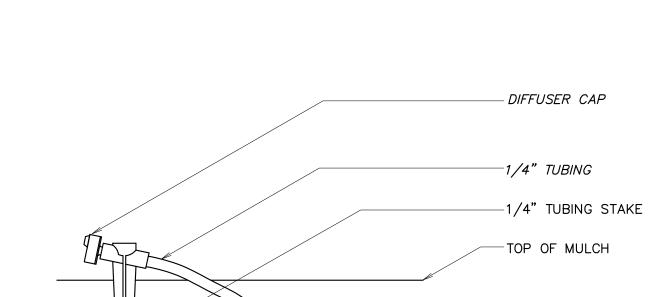
4150 N 3300 E

LIBERTY, UT 84310



BOTT PANTONE ARCHITECTS

620 24TH STREET OGDEN, UT 84401 BP-ARCHITECTS.NET ₽ 801.394.3033 F 801.394.9064



— PVC LATERAL LINE (12" DEEP) ADDITIONAL IN-LINE EMITTER TUBING IF REQUIRED FOR LARGE NEW TREES OR EXISTING TREES. PLACE DRIP LINES AT 2'-0" INTERVALS TO EDGE OF DRIP LINE OF TREE IN-LINE EMITTER TUBING STAPLED ON TOP OF FINISH GRADE. INSTALL IN-LINE EMITTER TUBING UNDER WEED BARRIER FABRIC WITH

TREE

PVC TO PE PIPE /

-PVC MAIN LINE

6 MIN. TO TOP OF BOX

PVC BALL VALVE TT

PVC SCH. 80 TT NIPPLE

PVC SCH. 80 SLIP TEE OR

PVC SCH. 80 TT90 W/ SCH.

80 TOE NIPPLE TO MAIN LINE

PVC SCH. 80 MALE ADAPTER

CONNECTION

ROOT BALL

MULCH PLACED ON TOP. NO KINKS IN LINE. NOTE: FOR EVERGREEN TREES, LOCATE INDICATOR EMITTER ON OUTSIDE OF OUTER DRIP RING.)

(1) 1 GPH -

INDICATOR

OF TREE

INSTALL IN—LINE — EMITTER TUBING WITH

EMITTERS SPACED

ROOT BALL

EVENLY ON TOP OF

10" ROUND VALVE BOX

G SEE DRIP VALVE

SECTIONS (G/L2.2)

1. PROVIDE BALL VALVE PER THIS DETAIL FOR SINGLE DRIP VALVE ASSEMBLY. IF MULTIPLE

VALVES INSTALL PER H/L2.1

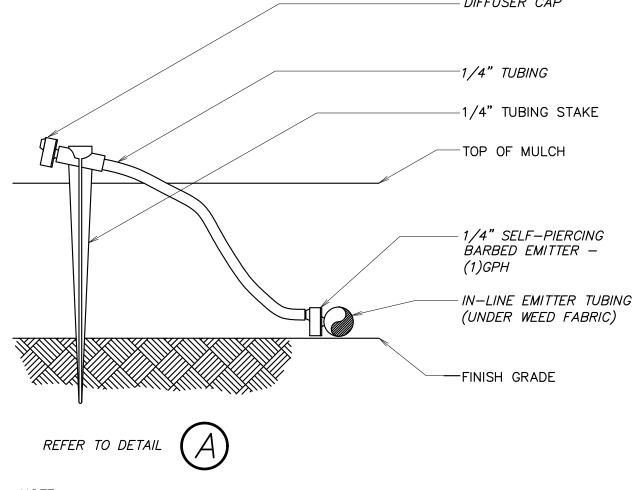
2. WIRING NOT SHOWN. INSTALL AS PER
CONVENTIONAL OR TWO—WIRE AUTOMATIC VALVE

L2.2) ASSEMBLY DETAIL

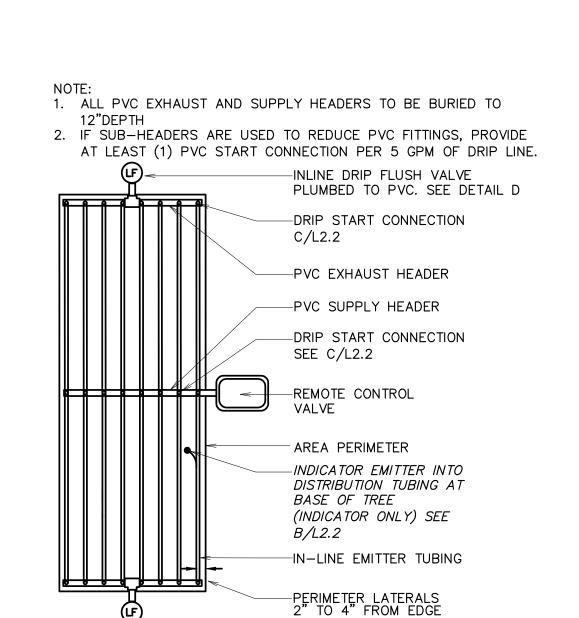
EMITTER INTO

IN-LINE EMITTER TUBING AT BASE

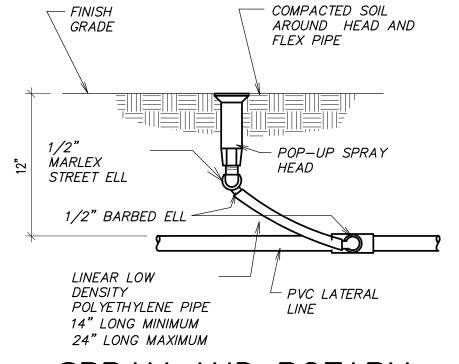
NOTE: ALL FITTINGS TO INLINE DRIP TUBING TO BE COMPRESSION FITTINGS. IF MALE INSERTS ARE NEEDED, INSTALL WITH OETICKER CLAMPS.



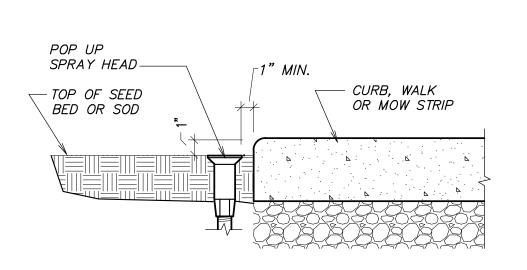
1. CONNECT SELF—PIERCING EMITTER DIRECTLY INTO IN—LINE EMITTER TUBING. 2. THIS IS AN INDICATOR ONLY EMITTER TO BE USED AT EACH TREE RING AND AREA WHERE IN-LINE EMITTER TUBING IS INSTALLED. 3. 1/4" TUBING LENGTH: MINIMUM 14", MAXIMUM 24".







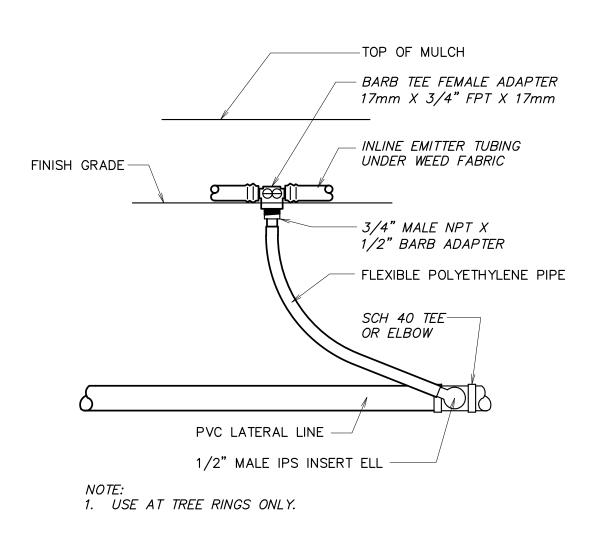
SPRAY AND ROTARY HEAD ASSEMBLY
NO SCALE



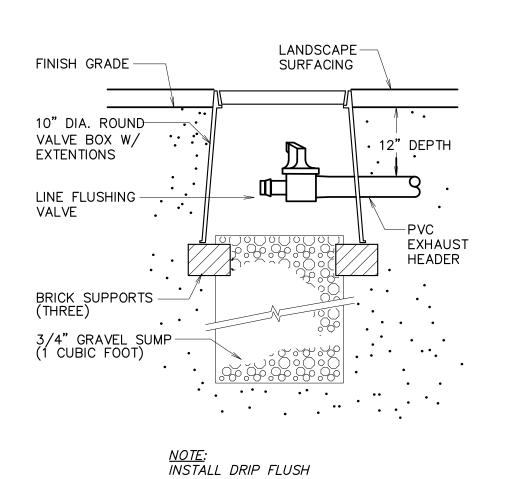
INLINE DRIP CENTER

FEED LAYOUT
NO SCALE

SPRAY HEAD OR ROTOR NEXT TO CURB OR WALK

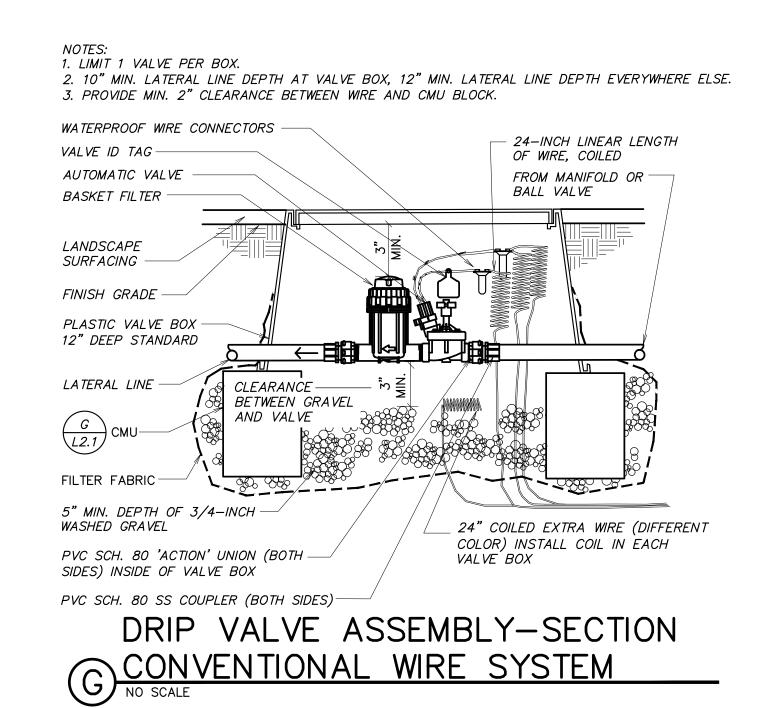


PVC TO IN-LINE EMITTER NO SCALE

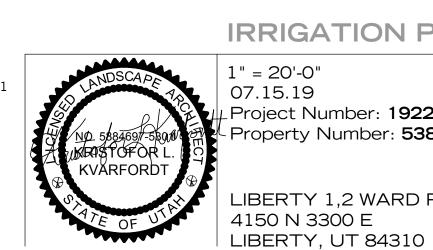


VALVE ONLY AT LOW POINT

OF EACH DRIP ZONE







IRRIGATION PLAN

1" = 20'-0" 07.15.19 Project Number: 1922 Property Number: **538-7388**

> LIBERTY 1,2 WARD PARKING ADDITION 4150 N 3300 E