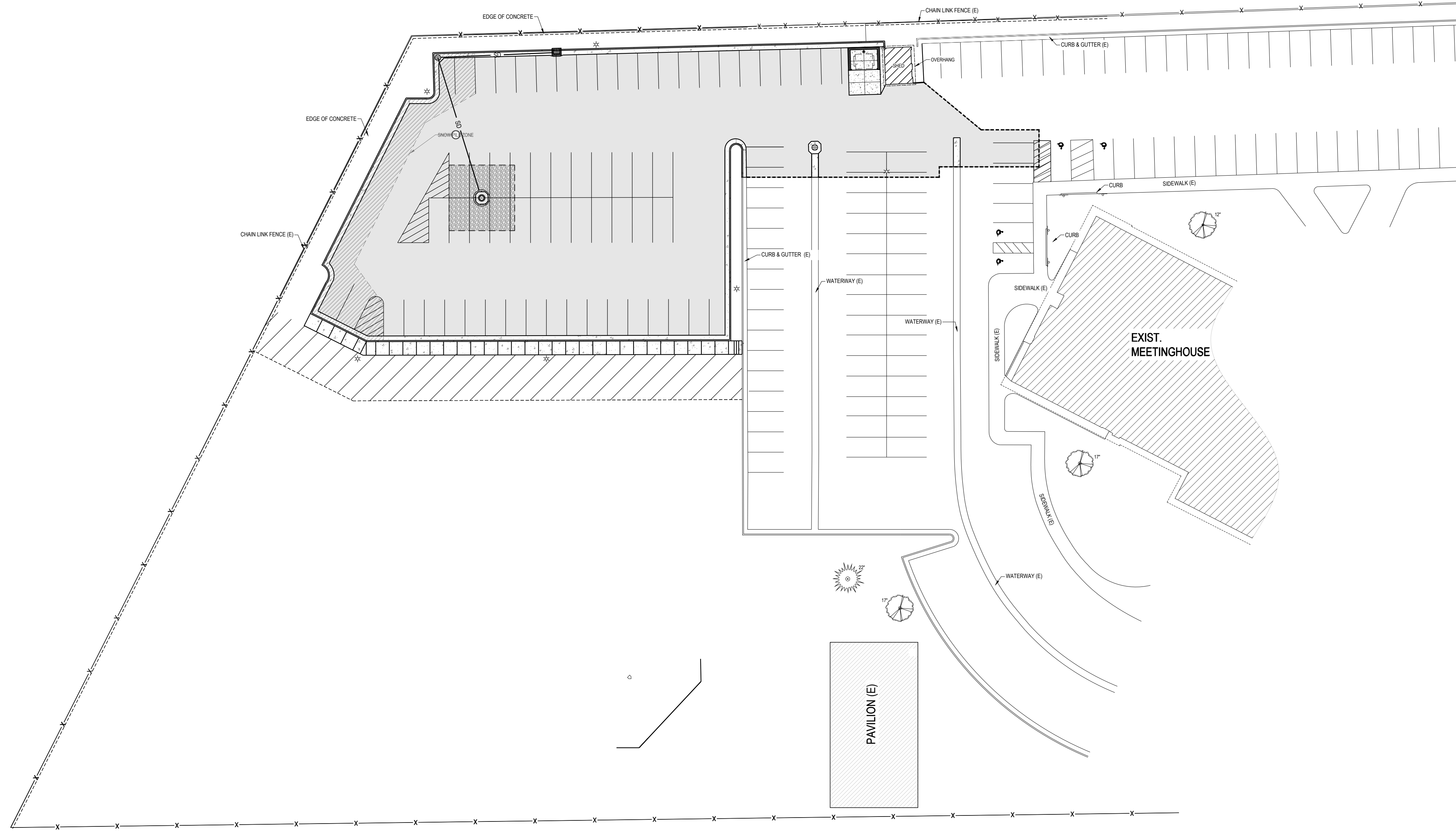
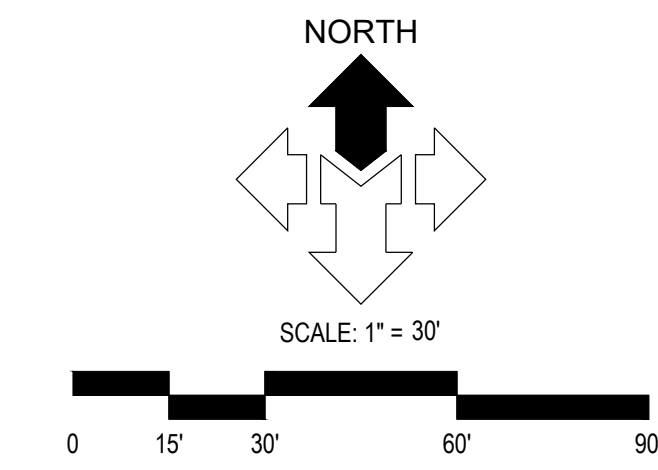


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SITE PLAN
SCALE: 1" = 30'-0"



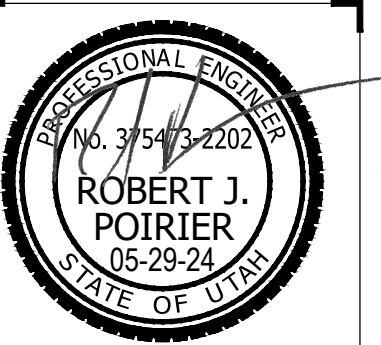
DESCRIPTION	AREA	%
HARDSCAPE	25,116 SQFT	18%
LANDSCAPE	70,308 SQFT	49%
BUILDINGS	46,756 SQFT	33%
TOTAL	142,179 SQFT	100%

EXIST STALLS	166
LOST STALLS	3
NEW STALLS	65
TOTAL STALLS	228



NOTICE!
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

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HYRUM 1, 5, 10 PARKING ADDITION

125 NORTH 400 WEST
HYRUM, UT 84319
HYRUM UTAH WEST STAKE

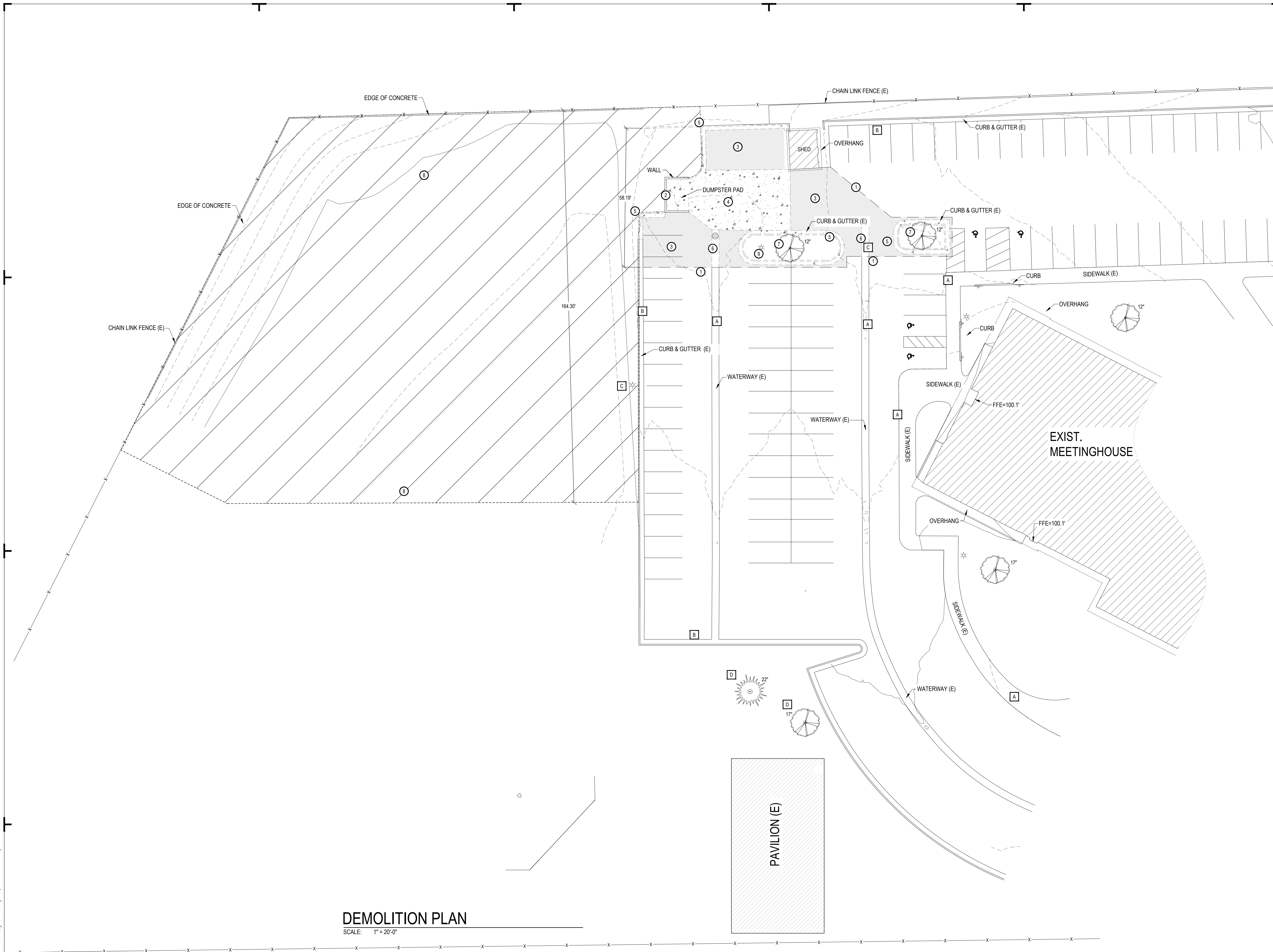
REV	DATE	DESCRIPTION

PROJECT NO: 24072
DRAWN BY: BKL
CHECKED BY: CEG
DATE: 05/17/24
PROPH 516922423010101

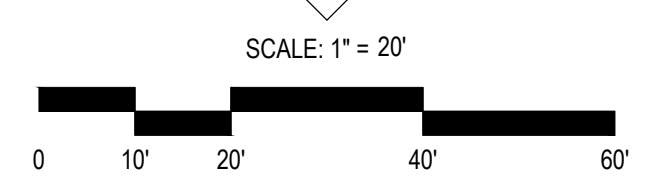
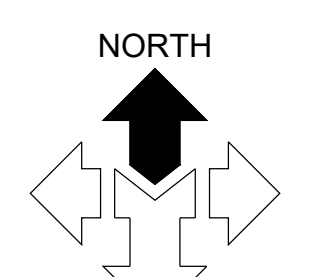
SITE PLAN

C0.01

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DEMOLITION PLAN
SCALE: 1" = 20'-0"



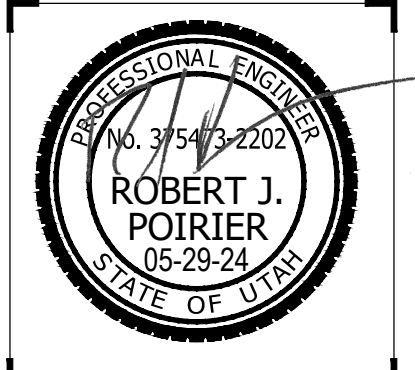
DEMOLITION SCOPE OF WORK:
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- ① SAWCUT EXISTING ASPHALT PAVEMENT.
- ② REMOVE EXISTING CMU DUMPSTER ENCLOSURE & DISPOSE.
- ③ REMOVE ASPHALT PAVEMENT AND ROAD BASE DOWN 11" BELOW FINISH GRADE AND PROPERLY DISPOSE.
- ④ REMOVE CONCRETE PAVEMENT AND ROAD BASE DOWN 11" BELOW FINISH GRADE AND PROPERLY DISPOSE.
- ⑤ SAWCUT FROM JOINT TO JOINT, REMOVE, AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER.
- ⑥ SAWCUT FROM JOINT TO JOINT, REMOVE, AND DISPOSE OF EXISTING CONCRETE WATERWAY.
- ⑦ REMOVE EXISTING TREE, SHRUBS, MULCH ETC. AT LANDSCAPE ISLAND. REMOVE IRRIGATION ACCESSORIES. EXCAVATE DOWN TO 11" BELOW FINISH GRADES. GRIND TREE STUMPS DOWN TO 12" BELOW EXCAVATION.
- ⑧ CLEAR AND GRUB EXISTING SOD AND LANDSCAPE AREAS. EXCAVATE DOWN TO 11" BELOW FINISH GRADES.
- ⑨ CAP IRRIGATION LINES AT POINT OF SOD REMOVAL CAREFULLY DISCONNECT EXIST. LIGHT POLE & PRESERVE FOR REUSE. REMOVE AND DISPOSE OF CONCRETE BASE

GENERAL KEYED NOTES:
THESE NOTES APPLY TYPICALLY TO ALL COMMON ELEMENTS THROUGHOUT THE WORK ZONE, WHETHER FLAGGED WITH A MARKER OR NOT:

- A** EXISTING CONCRETE FLATWORK TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING CONCRETE FLATWORK FROM DAMAGE DURING CONSTRUCTION.
- B** EXISTING CONCRETE CURB AND GUTTER AND/OR CURB WALL TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING CONCRETE CURB AND GUTTER AND/OR CURB WALL FROM DAMAGE DURING CONSTRUCTION.
- C** EXISTING UNDERGROUND UTILITY STRUCTURE, UNDERGROUND UTILITY LINE, ABOVE GROUND UTILITY STRUCTURE, AND ABOVE GROUND UTILITY LINE TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITY FROM DAMAGE DURING CONSTRUCTION.
- D** EXISTING TREES TO REMAIN. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING TREE FROM DAMAGE DURING CONSTRUCTION.

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HYRUM 1, 5, 10 PARKING ADDITION
125 NORTH 400 WEST
HYRUM, UT 84319
HYRUM UTAH WEST STAKE

REV	DATE	DESCRIPTION

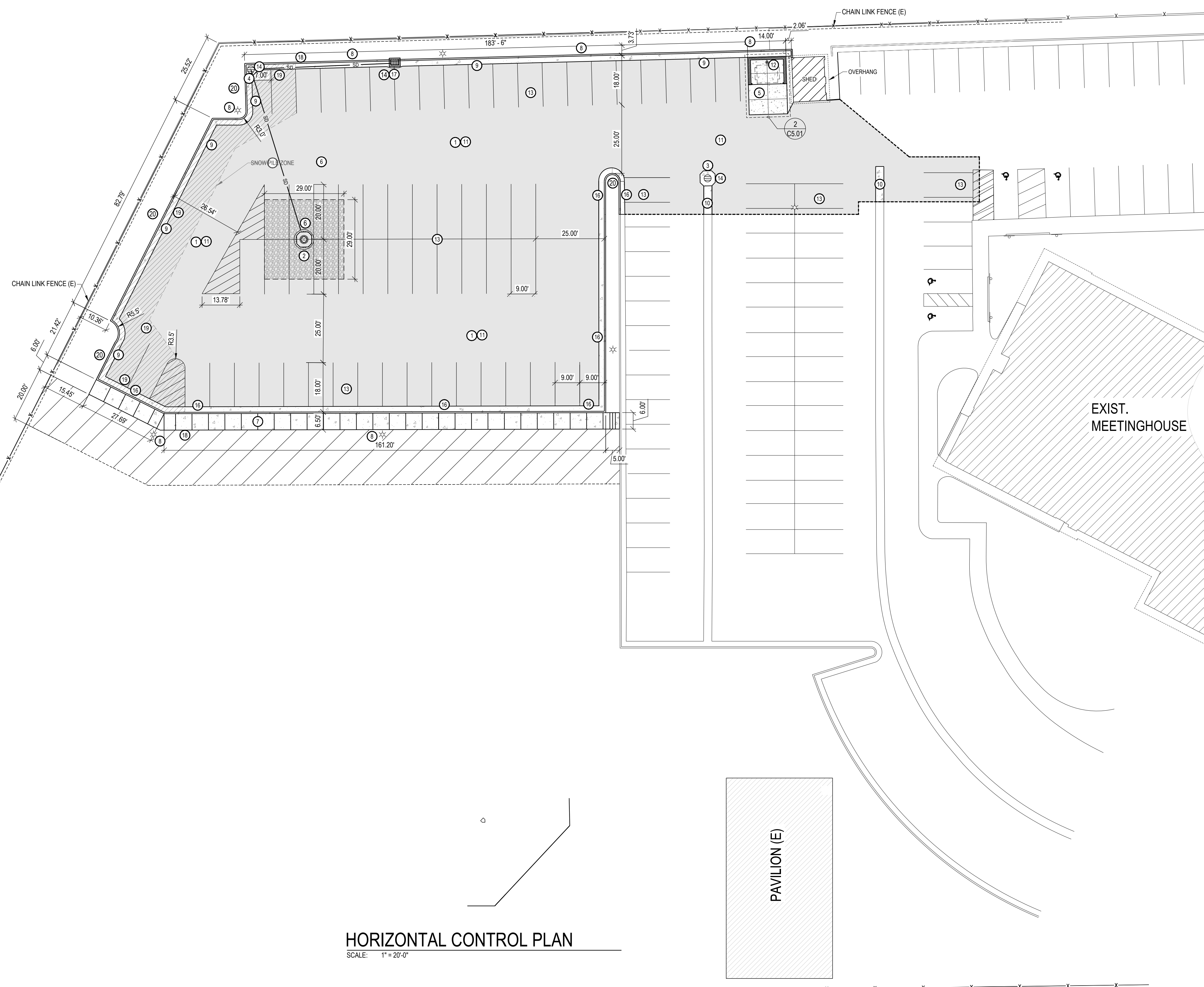
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DRAWN BY: BKL
CHECKED BY: CEG
DATE: 05/17/24
PROP# 516922423010101

Blue Stakes of UTAH 811
Bluestakes.org

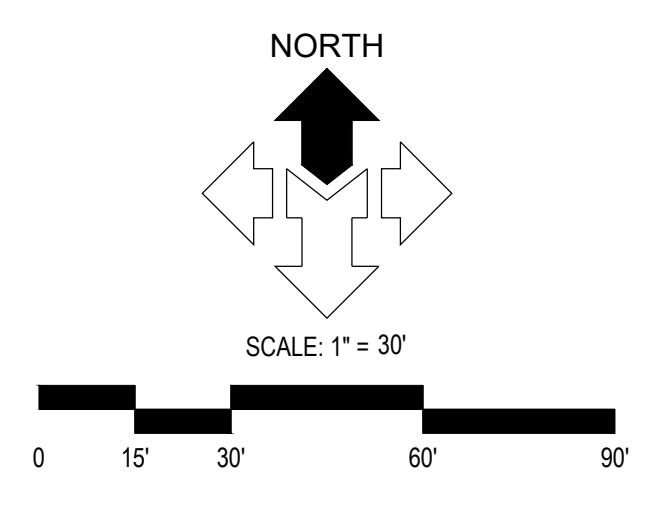
NOTICE!
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DEMO PLAN
C1.01

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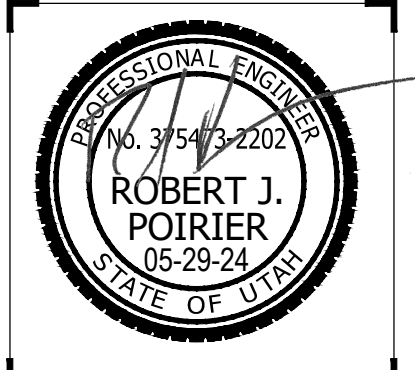
HORIZONTAL CONTROL PLAN
SCALE: 1" = 20'-0"



KEYED NOTES:
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- 1 PROOF ROLL EXPOSED SUB-GRADE. IF ANY SOFT SPOTS DISCOVERED NOTIFY CONSULTANT AND OWNER. SCARIFY PER GENERAL NOTES. PROVIDE IN BASE BID TO OVEREXCAVATE 24,705 SQ. FT. OF SOFT SUBGRADE (APPROX. 12" DEEP), AND TO INSTALL 15,000 SQ. FT. OF STABILIZATION FABRIC (MIRAFI 600X) AND FILL WITH 12" OF PIT-RUN MATERIAL. COORDINATE ALL WORK WITH CONSULTANT.
- 2 INSTALL NEW (3) 6'-0" DIA. x 3'-0" TALL, PRE-CAST CONCRETE DRY WELL RINGS PER DETAIL 'C2' AND CALCUS. SHEET C5.02. INSTALL NEW SLOTTED HEAVY DUTY BICYCLE SAFE METAL GRATE. COMPACT AND CONTINUE TO FILL REMAINING EXCAVATED AREA WITH CLEAN, 2" WASHED STONE UNTIL LEVEL WITH TOP OF DRY WELL COVER INCLUDING FILTER FABRIC.
- 3 INSTALL NEW PRECAST STORM DRAIN APRON OVER EXIST. BOX WITH NEW HEAVY DUTY METAL, BICYCLE SAFE GRATE. SEE DETAIL 'C2', SHEET C5.01.
- 4 INSTALL NEW PRECAST STORM DRAIN CATCH BASIN WITH HEAVY DUTY METAL, BICYCLE SAFE GRATE. SEE DETAIL 'B1', SHEET C5.02. INSTALL NEW CONCRETE APRON / CONCRETE PAD OVER NEW STORM DRAIN CATCH BASIN. SEE DETAIL 'C4', SHEET C5.01.
- 5 INSTALL NEW CMU DUMPSTER ENCLOSURE & CONCRETE SLAB. SEE DETAILS 'A1, A2, & B3', SHEET C5.01
- 6 CONNECT NEW STORM DRAIN CATCH BASIN TO NEW DRY WELL SUMP WITH NEW 12" HDPE. GROUT SEAL CONNECTIONS WATER-TIGHT. SEE C3.01 FOR LENGTH AND SLOPE.
- 7 INSTALL NEW 4" THICK CONCRETE SIDEWALK WITH THICKENED EDGE OVER COMP ROAD BASE. SEE DETAIL '8', SHEET C5.01 AND GENERAL NOTES.
- 8 INSTALL NEW CONCRETE LIGHT POLE BASE & NEW POLE & LAMP SEE SHEET E1.01 & DETAIL 'B2' A5.01.
- 9 INSTALL STANDARD CURB AND GUTTER. SEE DETAIL 'B1', SHEET C5.01.
- 10 INSTALL NEW CONCRETE WATERWAY TO MATCH EXISTING PROFILE. SEE DETAIL 'B4', SHEET C5.01.
- 11 GRADE WITH UNIFORM SLOPE AND INSTALL 8" ROAD BASE WITH 3" ASPHALT PAVEMENT PER PLAN AND SPECIFICATION. SEE DETAIL 'D2', SHEET C5.02.
- 12 INSTALL NEW 4" DIA., CONCRETE FILLED, STEEL PIPE BOLLARD WITH NEW HIGH DENSITY POLYETHYLENE (HDPE) COVER. SEE DETAIL 'A3', SHEET C5.01.
- 13 NEW 4" WIDE SOLID YELLOW PARKING STALL STRIPE LINES PER PLAN AND SPECIFICATION.
- 14 CLEAN OUT ALL DEBRIS FROM NEW STORM DRAIN SYSTEM IN AREA OF CONSTRUCTION AT END OF PROJECT. CHECK ALL PIPE CONNECTIONS INTO BOXES THAT THEY ARE SEALED WATER-TIGHT. SEAL AS REQUIRED. CLEAN OUT EXISTING DRY WELL SUMP.
- 15 RELOCATE LIGHT POLE & LAMP AND INSTALL OVER NEW CONC. BASE SEE DETAIL 'B2' A5.01. RECONNECT TO EXISTING ELECTRICAL CIRCUIT.
- 16 INSTALL RELEASE TYPE CURB. SEE DETAIL 'D3', SHEET C5.02.
- 17 INSTALL NEW STORM DRAIN GUTTER INLET. SEE DETAIL 'A3', SHEET C5.02.
- 18 INSTALL 6" TALL "SNOW FLAG" BEHIND CURB AND WALK TO INDICATE LIMITS OF SNOW PILE DURING WINTER MONTHS.
- 19 EXCESSIVE SNOW SHALL NOT BE PUSHED BEYOND THE CURB TO PREVENT HYDRAULIC TRESPASS AND DAMAGE TO THE FENCE.
- 20 MARKERS FOR SNOW LIMITS TO BE MAINTAINED BY THE OWNER.

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HYRUM 1, 5, 10 PARKING ADDITION
125 NORTH 400 WEST
HYRUM, UT 84319
HYRUM UTAH WEST STAKE

REVISIONS	
REV	DESCRIPTION

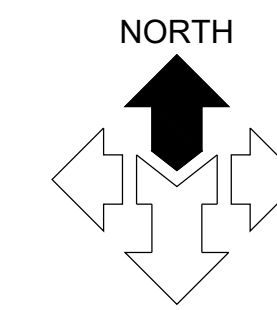
PROJECT NO: 24072
DRAWN BY: BKL
CHECKED BY: CEG
DATE: 05/17/24
PROPH 516922423010101

HORIZONTAL CONTROL PLAN

C2.01

Blue Stakes of UTAH 811
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NOTICE!
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.



SCALE: 1" = 20'



GENERAL NOTES:
 SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT (IF AVAILABLE). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557 EXCEPT UNDER BUILDING FOUNDATION WHERE IT SHALL BE 98% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER. VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAID AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS & SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C2.10 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.

ALL ELEVATIONS SHOWN AT TOP AND BOTTOM OF WALL(S), IF ANY, ARE ELEVATIONS AT FINISH GRADE, UNLESS OTHERWISE NOTED.

KEYED NOTES:
 PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

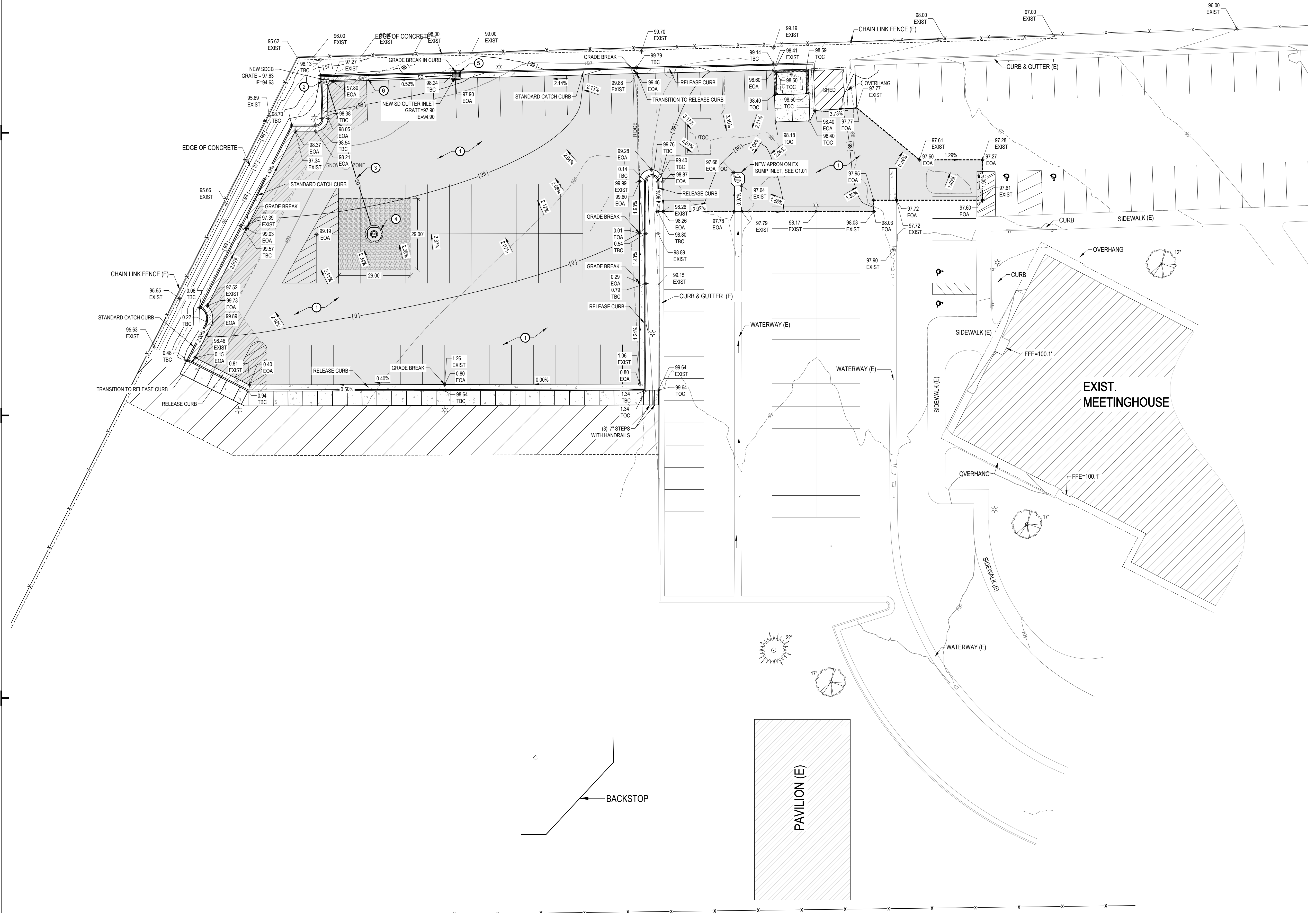
- GRADE SITE TO ELEVATIONS AND CONTOURS SHOWN ON PLAN.
- NEW CORNER STORM DRAIN CATCH BASIN WITH HEAVY DUTY BICYCLE SAFE GRATE. SEE SCOPE NOTE 4 SHEET C2.01 FOR ADDITIONAL INFORMATION. GRATE = 97.63 IE=94.63
- 60 LF 12" DIAMETER HDPE STORM DRAIN LINE @ 0.5%.
- NEW GRAVEL SUMP FOR FULL ONSITE RETENTION. SEE SCOPE NOTE 2, SHEET C2.01. SOLID LID= 99.27 IE(N)=94.33 BOTTOM SUMP=89.27 BOTTOM GRAVEL = 87.77
- NEW STORM DRAIN GUTTER INLET. SEE SCOPE NOTE SHEET C2.01. GRATE=97.90 IE=94.90
- 49 LF 12" DIAMETER HDPE STORM DRAIN LINE @ 0.55%.

COMMON GRADING ABBREVIATIONS:
 SEE SHEET C0.01 FOR ADDITIONAL ABBREVIATIONS

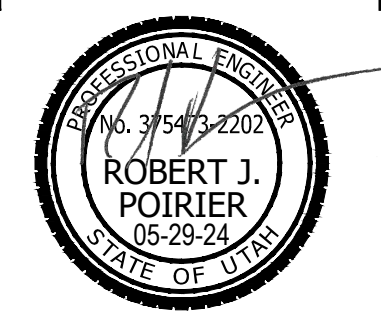
- BFE BASEMENT FLOOR ELEVATION
- BW FINISH GRADE AT BOTTOM OF WALL
- EX or EXIST EXISTING
- EOA EDGE OF ASPHALT
- EOC EDGE OF CONCRETE
- FFE FINISH FLOOR ELEVATION
- FG FINISH GRADE
- FL FLOW LINE
- GB GRADE BREAK
- HP HIGH POINT
- LP LOW POINT
- NG NATURAL GROUND
- SDCB STORM DRAIN CATCH BASIN
- SDCO STORM DRAIN CLEANOUT BOX
- SDOB STORM DRAIN BASIN
- SOMH STORM DRAIN MANHOLE
- TBC TOP BACK OF CURB
- TOA TOP OF ASPHALT
- TOC TOP OF CONCRETE
- TOG TOP OF GRATE
- TOW TOP OF WALL
- TW FINISH GRADE AT TOP OF WALL
- WW WATERWAY



NOTICE!
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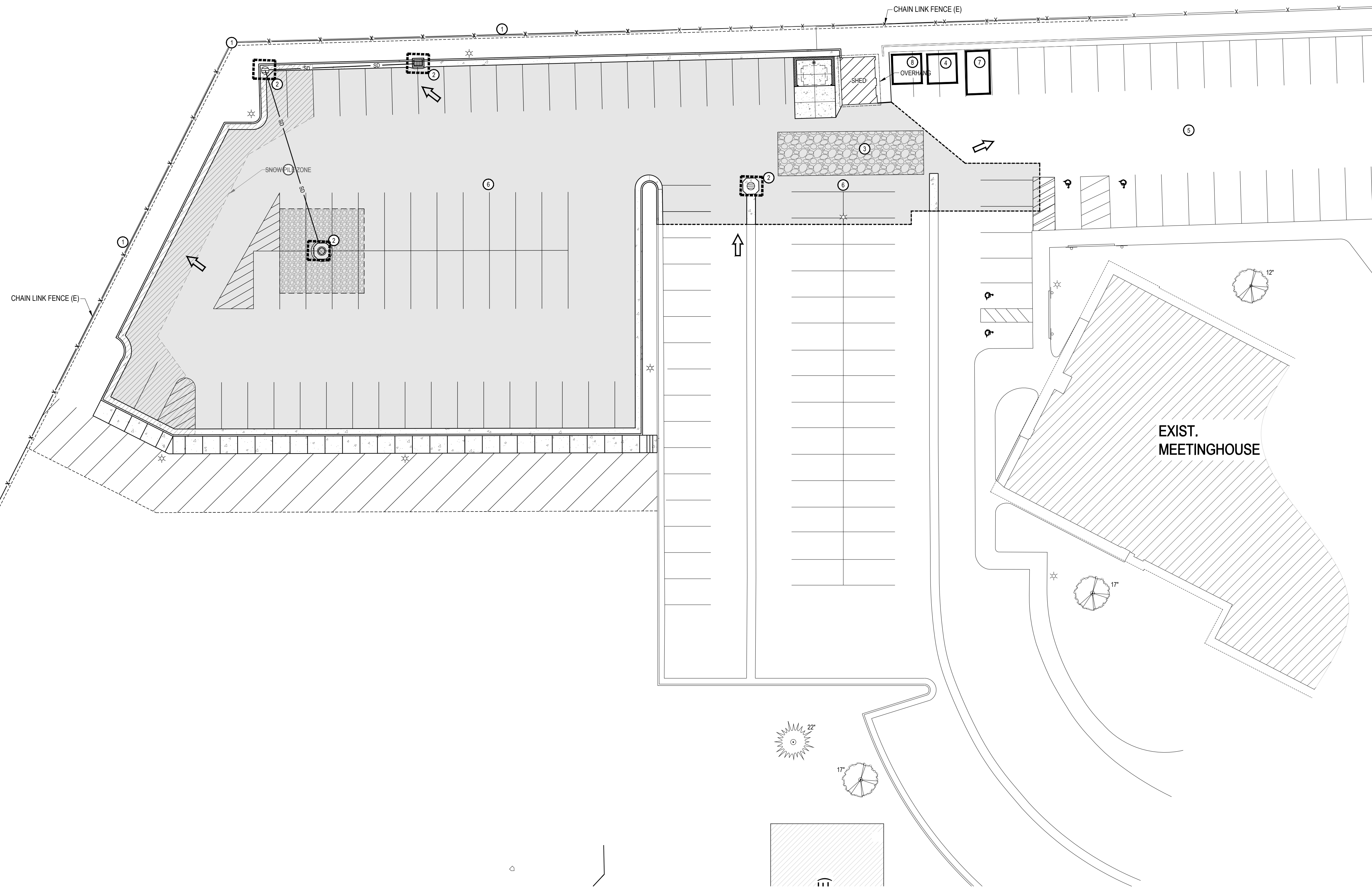
HYRUM 1, 5 PARKING ADDITION
 125 NORTH 400 WEST
 HYRUM, UT 84319

REVISIONS	
REV	DESCRIPTION

PROJECT NO: 24072
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 CHECKED BY: RJP
 DATE: 05-29-24

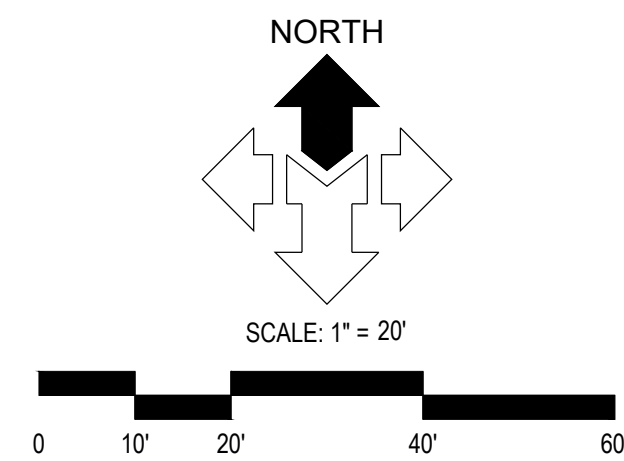
GRADING AND DRAINAGE PLAN
C3.01

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EROSION CONTROL PLAN

SCALE: 1" = 20'-0"



GENERAL NOTES:

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C5.02 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LOCAL AGENCY'S EROSION CONTROL STANDARDS AND SPECIFICATIONS AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE AGENCY HAVING JURISDICTION. ALSO INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATIONS OF ALL EXISTING UTILITIES. IF CONFLICTS OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.

THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL.

WHEN GRADING OPERATIONS HAVE BEEN COMPLETED AND THE DISTURBED GROUND SHALL BE LEFT "OPEN" FOR 30 DAYS OR MORE THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS OF THE AREA.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

MAINTENANCE:
THE OWNER'S REPRESENTATIVE SHALL MAKE ROUTINE CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIRS OR SEDIMENT REMOVAL IS NECESSARY. DUE TO CONDITIONS THAT MAY ARISE IN THE FIELD, ADDITIONAL CONTROL MAY BE DETERMINED TO BE NECESSARY.

SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT THE LEAST DAILY DURING PROLONGED RAINFALL.

CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCES, END RUNS, AND UNDERCUTTING BENEATH SILT FENCING.

NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF SILT FENCING SHALL BE ACCOMPLISHED PROMPTLY.

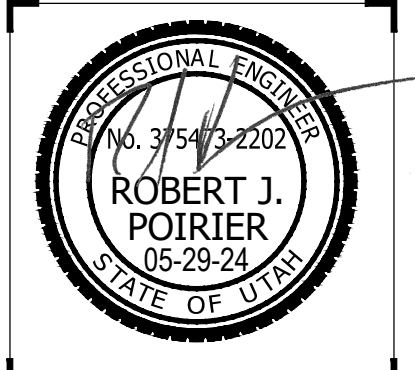
SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

KEYED NOTES:
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- ① SILT FENCE AS SHOWN ON PLAN. SEE DETAIL '2', SHEET C5.02.
- ② INLET PROTECTION AROUND EXISTING OR NEW STORM DRAIN CATCH BASINS OR CURB INLETS. SEE DETAIL '4', SHEET C5.02.
- ③ TEMPORARY CONSTRUCTION ENTRANCE. SEE DETAIL '1', SHEET C5.02. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
- ④ CONCRETE WASHOUT AREA. CREATE A MIN. 10'X10' AREA WITH A 1' HIGH BERM. LINE AREA WITH PLASTIC. DISCARD WASTE IN DUMPSTER WHEN FULL AND LEGALLY DISPOSE OF. SEE DETAIL '5', SHEET C5.02. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
- ⑤ NO TRACKING OF MUD ONTO STREETS IS ALLOWED. ANY OCCURRENCE SHALL BE SWEEPED IMMEDIATELY.
- ⑥ WATER SITE AS NECESSARY TO PREVENT FUGITIVE DUST. ONLY DISTURB AREAS AS NEEDED TO PERFORM REQUIRED TASK. SEE DETAIL '3', SHEET C5.02.
- ⑦ CONSTRUCTION DUMPSTER. CHECK LEVEL DAILY. LEGALLY DISPOSE OF WASTE AS NEEDED. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
- ⑧ PORTABLE CONSTRUCTION TOILET. TOILET TO BE PROPERLY SECURED TO PREVENT TIPPING. BUILD 6" BERM AROUND TOILET TO CONTAIN ANY SPILLS OR LEAKAGE. CHECK LEVEL DAILY. LEGALLY DISPOSE OF WASTE AS NEEDED. SEE DETAIL '6', SHEET C5.02. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.

⇨ FLOW PATH OF 100-YEAR STORM EVENT.

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HYRUM 1, 5, 10 PARKING ADDITION

125 NORTH 400 WEST
HYRUM, UT 84319
HYRUM UTAH WEST STAKE

REV	DATE	DESCRIPTION

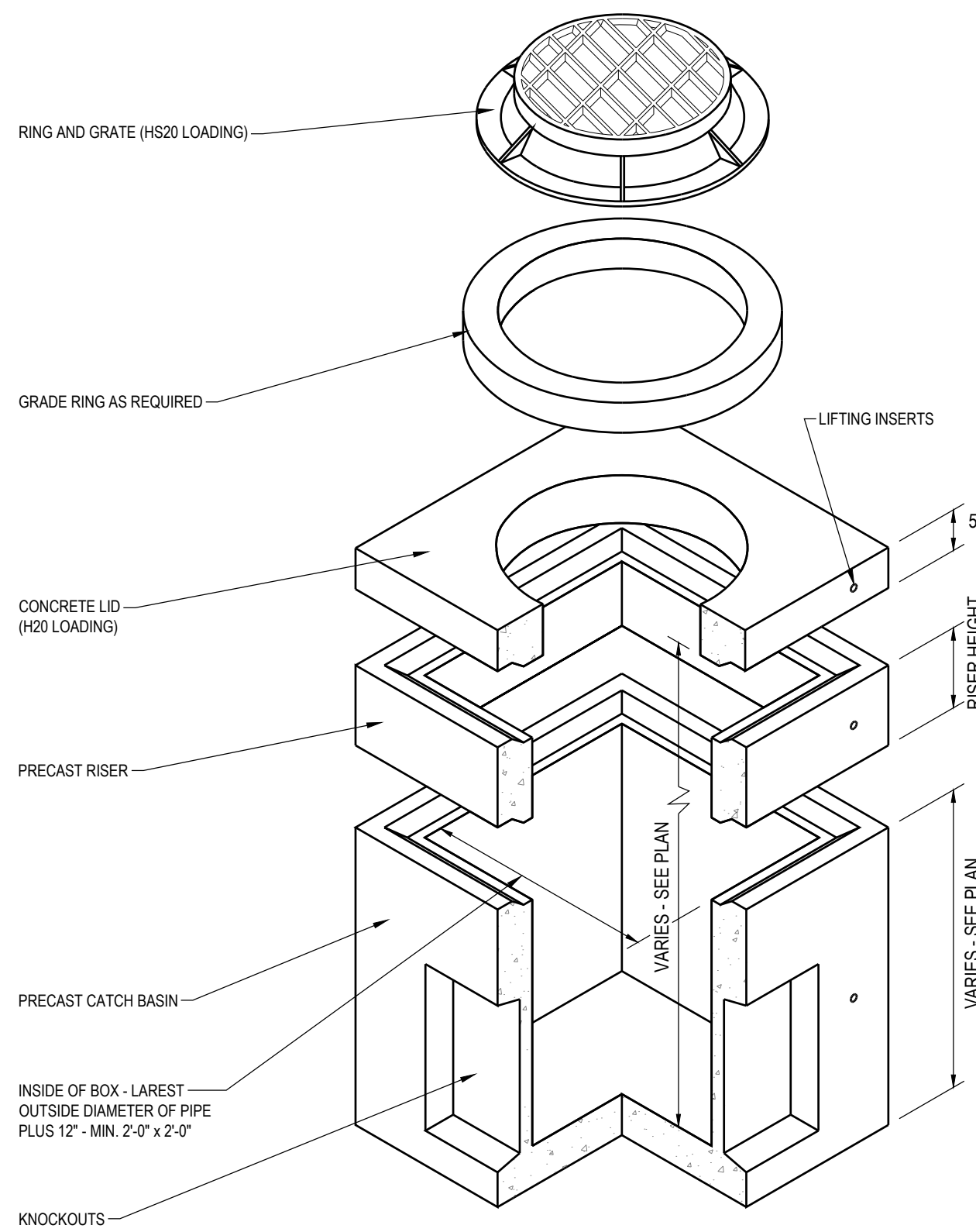
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CHECKED BY: CEG
DATE: 05/17/24
PROPH# 516922423010101

EROSION CONTROL PLAN

C3.02

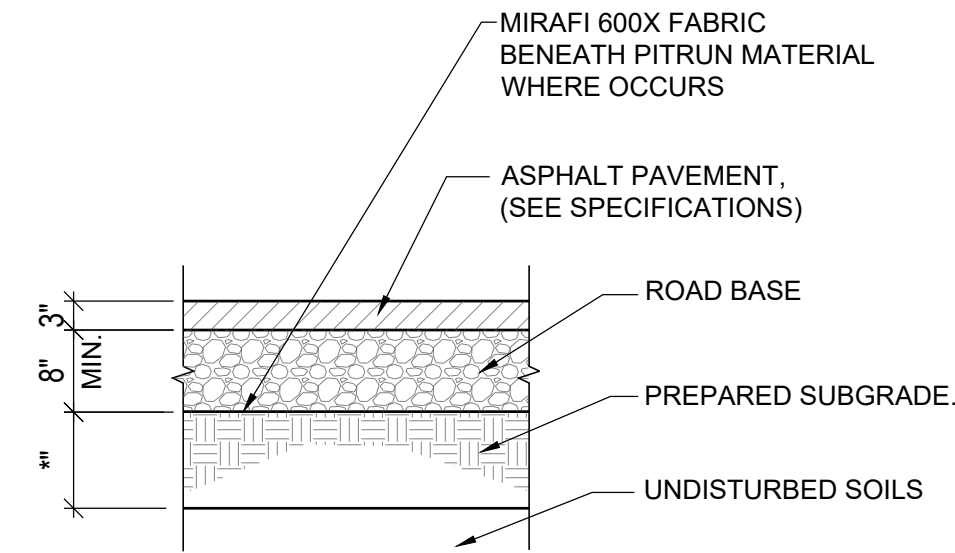
Blue Stakes of UTAH811
Bluestakes.org

NOTICE!
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- NOTES:
- CATCH BASINS SHALL BE DESIGNED TO MEET ASTM C658 WITH AASHTO HS-20 LOADING.
 - OPTIONAL GRATING OR COVER MATERIAL MAY BE CAST IN AS REQUIRED.
 - OPENINGS TO BE SIZED AND LOCATED AS REQUIRED.
 - DURACRETE, OR EQUAL.
 - CONNECTING PIPES TO BE GROUTED SMOOTH ON BOTH SIDES OF BOX OPENING.
 - PIPE CONNECTIONS TO BE SEALED WATER TIGHT.
 - IF DEPTH OF BOX IS OVER 3 1/2', MIN. 3'-0" X 3'-0" BOX IS TO BE USED.

B1 STD CATCH BASIN
SCALE: N.T.S.

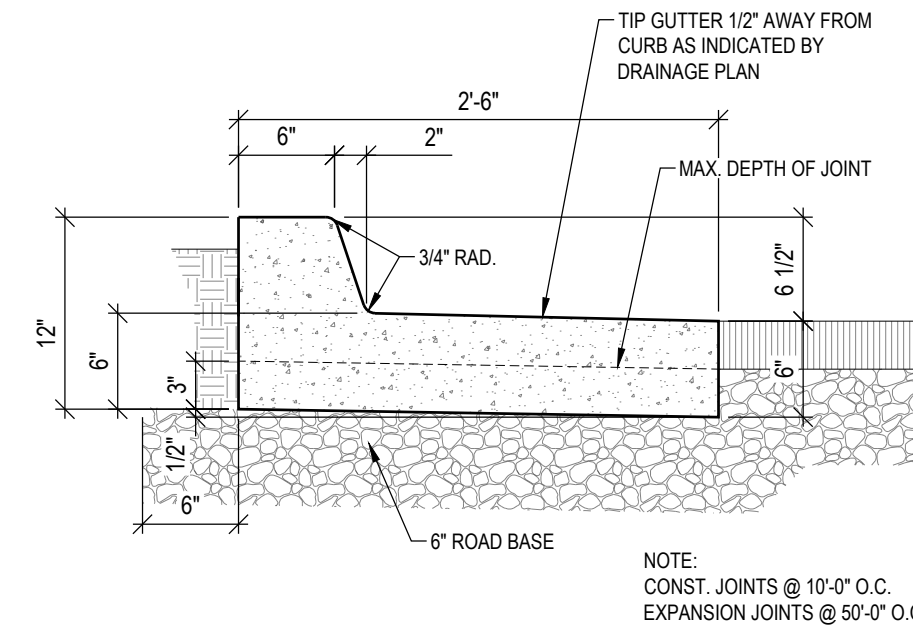


PARKING AREAS

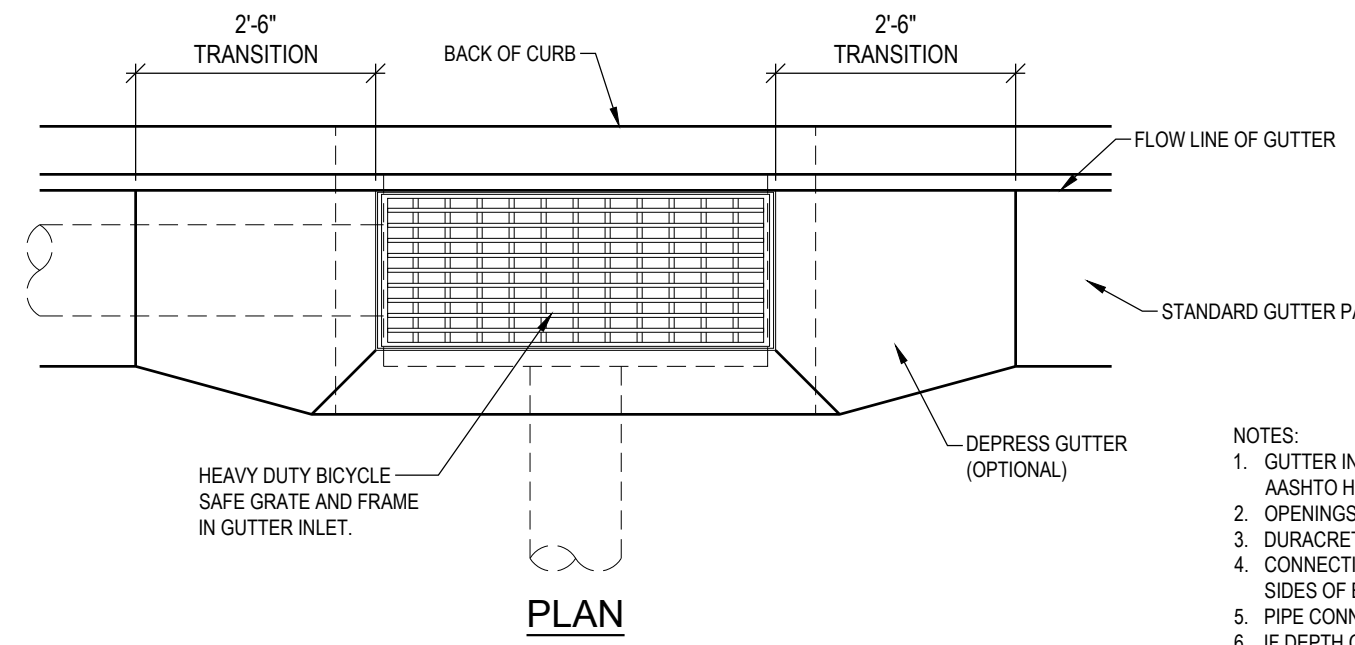
ASPHALT	3"
ROAD BASE	8"
PREPARED SUBGRADE	**

NOTE: REFER TO SOILS REPORT FOR PROJECT SECTION SOILS REPORT OVERRIDES.

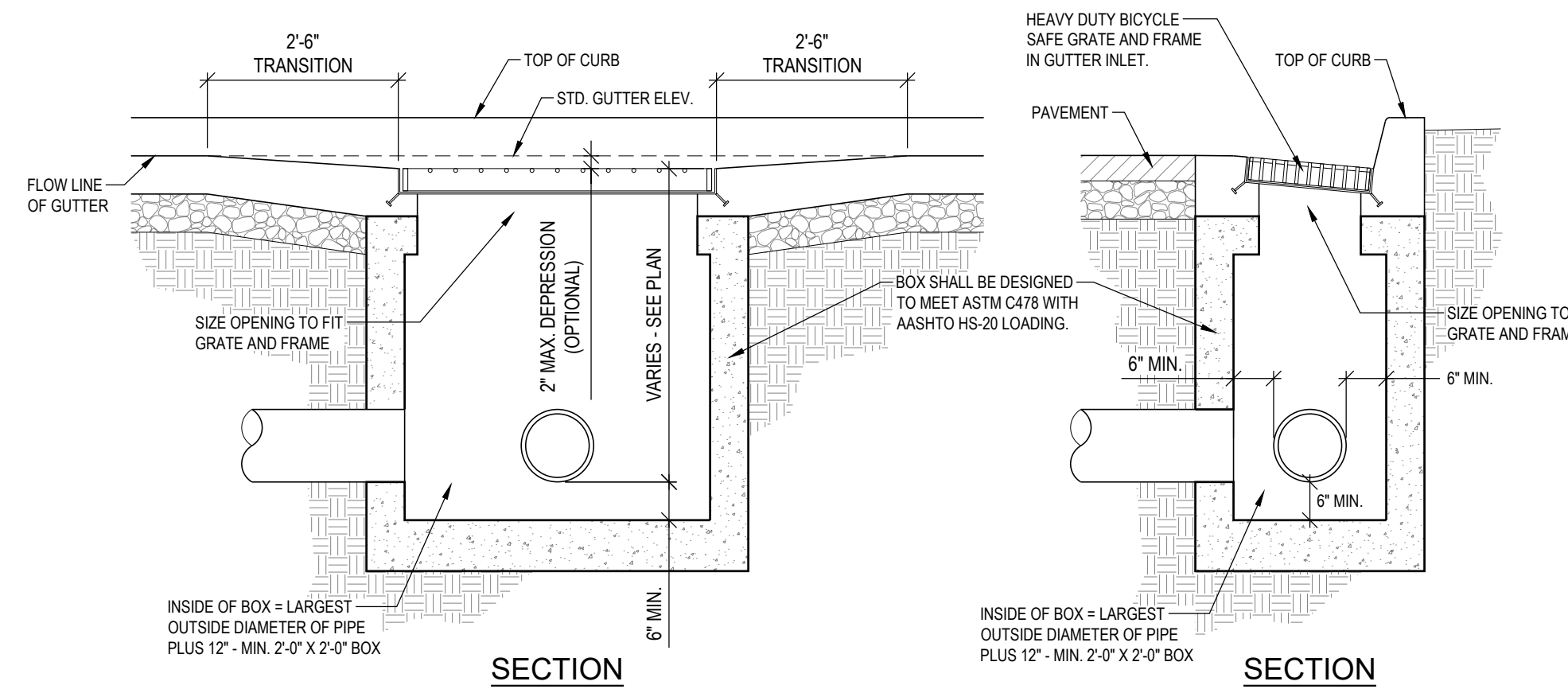
D2 ASPHALTIC PAVEMENT SECTION
SCALE: N.T.S.



D3 30" RELEASE CURB & GUTTER
SCALE: N.T.S.



- NOTES:
- GUTTER INLET SHALL BE DESIGNED TO MEET ASTM C478 WITH AASHTO HS-20 LOADING.
 - OPENINGS TO BE SIZED AND LOCATED AS REQUIRED.
 - DURACRETE, OR EQUAL.
 - CONNECTING PIPES TO BE GROUTED SMOOTH ON BOTH SIDES OF BOX OPENING.
 - PIPE CONNECTIONS TO BE SEALED WATER TIGHT.
 - IF DEPTH OF BOX IS OVER 3 1/2', MIN. 3'-0" X 3'-0" BOX IS TO BE USED.



A3 GUTTER INLET
SCALE: N.T.S.

HYRUM 1, 5, 10 PARKING LOT ADDITION

125 N 400 W HYRUM, UTAH

Design	
Percolation rate (min/inch)	60.00 min/inch
Discharge Rate Beneath Sumps	0.046 cfs
Design Storm	100 year
Rainfall Data from NOAA	

Storm water within the new parking lot will sheet flow to the northwest corner of the site where it will be collected by a pair catch basins and conveyed via 12" HDPE pipe to the new sump in the parking area. The runoff will infiltrate into the surrounding gravel. To be conservative pressure head was neglected in the calculations to increase longevity of the sump.

Solution using Rational Formula:

TRIBUTARY AREA 1

Q = CIA	where	
C _{roof} =		0.85
C _{paved} =		0.90
C _{landscaped} =		0.15

I = Rainfall Intensity
A = Tributary Area

Roof Area =	0
Paved Area =	26,893
Landscape Area =	0
Total Tributary Area =	26,893

Weighted Coefficient (C) = 0.90

C * A = 24,204

100 yr Design Storm

Time (min)	Rate (in/hr)	Rainfall (Inches)	Accum. Flow (cu.ft)	Discharge (cu.ft)	Req'd Storage (cu.ft)
5	6.48	0.54	1,089	14	1,075
10	4.92	0.82	1,654	28	1,626
15	4.04	1.01	2,037	42	1,995
30	2.72	1.36	2,743	83	2,660
60	1.68	1.68	3,389	167	3,222
120	0.92	1.84	3,711	334	3,378
180	0.62	1.86	3,752	500	3,251
360	0.33	1.99	4,014	1,001	3,013
720	0.20	2.34	4,720	2,001	2,719
1,440	0.10	2.46	4,962	4,002	960

New Sump Capacity per Design

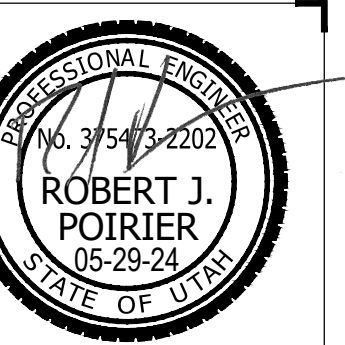
Diameter of Sump (ft)	6 ft	
Depth of sump (ft)	9	
Depth of Gravel (ft)	10 ft	Fraction of side wall considered
Storage in concrete sump=	254 cf	
depth of side considered for infiltration	9	1.00

Sump dimensions/vol	length (ft) 29	Width (ft) 29.0	Area (sq.ft) 841	Vol (cu.ft.) 8156 cuft	infil area s.f. 2,001
---------------------	----------------	-----------------	------------------	------------------------	-----------------------

Water storage in gravel assuming (40% voids)	3262 cuft
Total Storage in sump and gravel=	3517 cuft
Total Storage in parking area	0
Total Storage	3517 cuft

Infiltration rate (cfs)	0.046	cfs
Infiltration rate is based on infiltration through the bottom and sides. To be conservative head was neglected		

Storage Required:	3,378	Vol Cu.yds 302.0614815
Storage Available:	3,517	okay



HYRUM 1, 5, 10 PARKING ADDITION

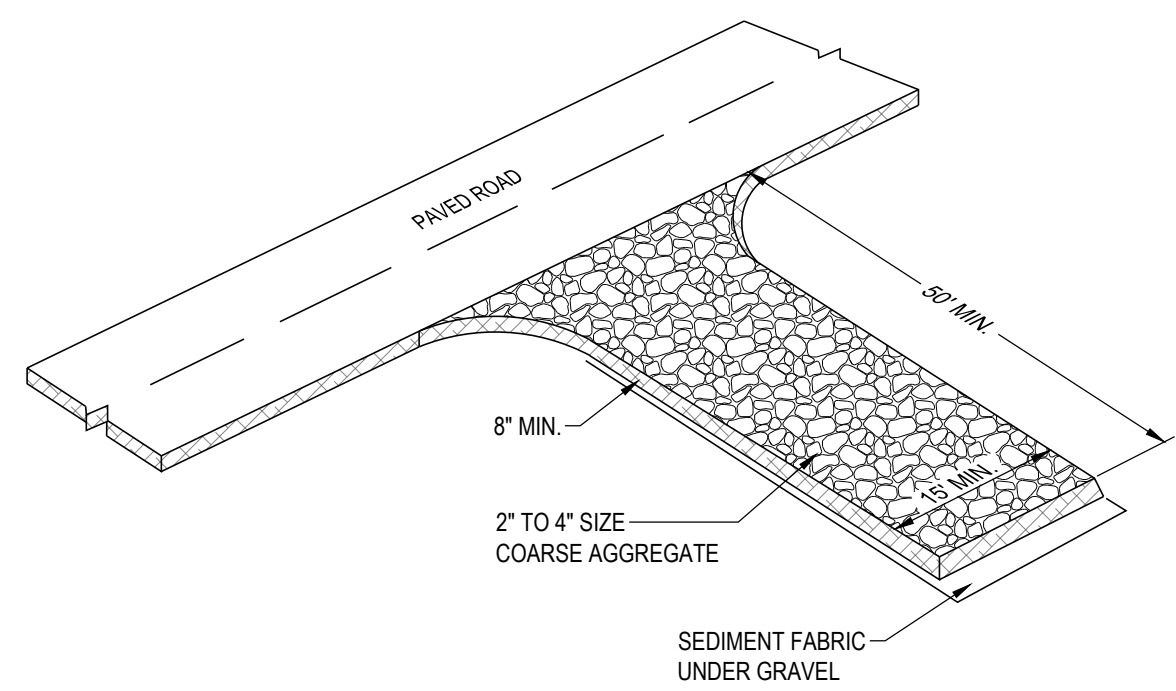
125 NORTH 400 WEST
HYRUM, UT 84319
HYRUM UTAH WEST STAKE

REV	DATE	DESCRIPTION

PROJECT NO:	24072
DRAWN BY:	BKL
CHECKED BY:	CEG
DATE:	05/17/24
PROPH	516922423010101

DETAIL SHEET

C5.02

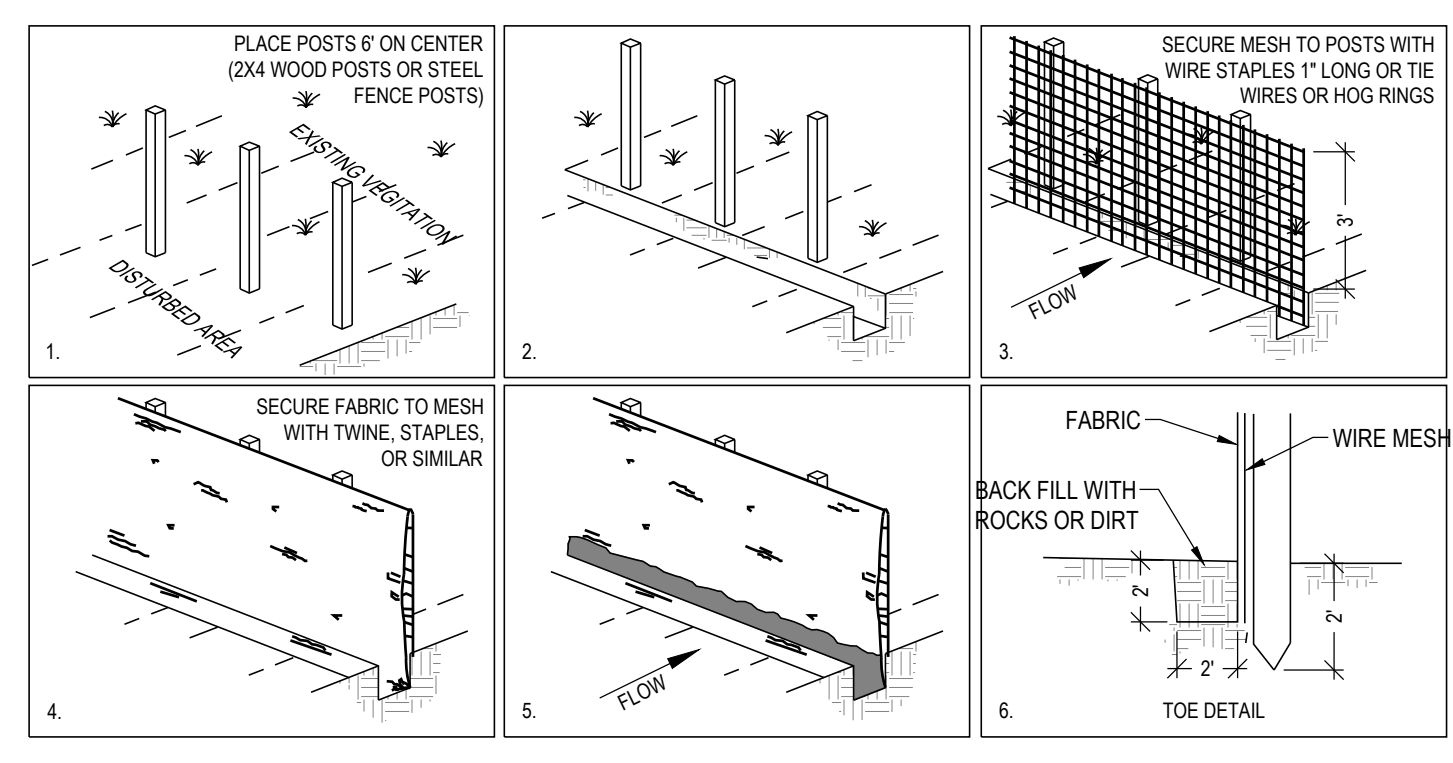


- OBJECTIVES**
- HOUSEKEEPING PRACTICES
 - CONTAIN WASTE
 - MINIMIZE DISTURBED AREA
 - STABILIZE DISTURBED AREA
 - PROTECT SLOPES/CHANNELS
 - CONTROL SITE PERIMETER
 - CONTROL INTERNAL EROSION

- TARGETED POLLUTANTS**
- SEDIMENT
 - NUTRIENTS
 - TOXIC MATERIALS
 - OIL & GREASE
 - FLOATABLE MATERIALS
 - OTHER WASTE

- IMPLEMENTATION REQUIREMENTS**
- CAPITAL COSTS
 - O & M COSTS
 - MAINTENANCE
 - TRAINING

1 STABILIZED CONSTRUCTION ENTRANCE
SCALE: N.T.S.

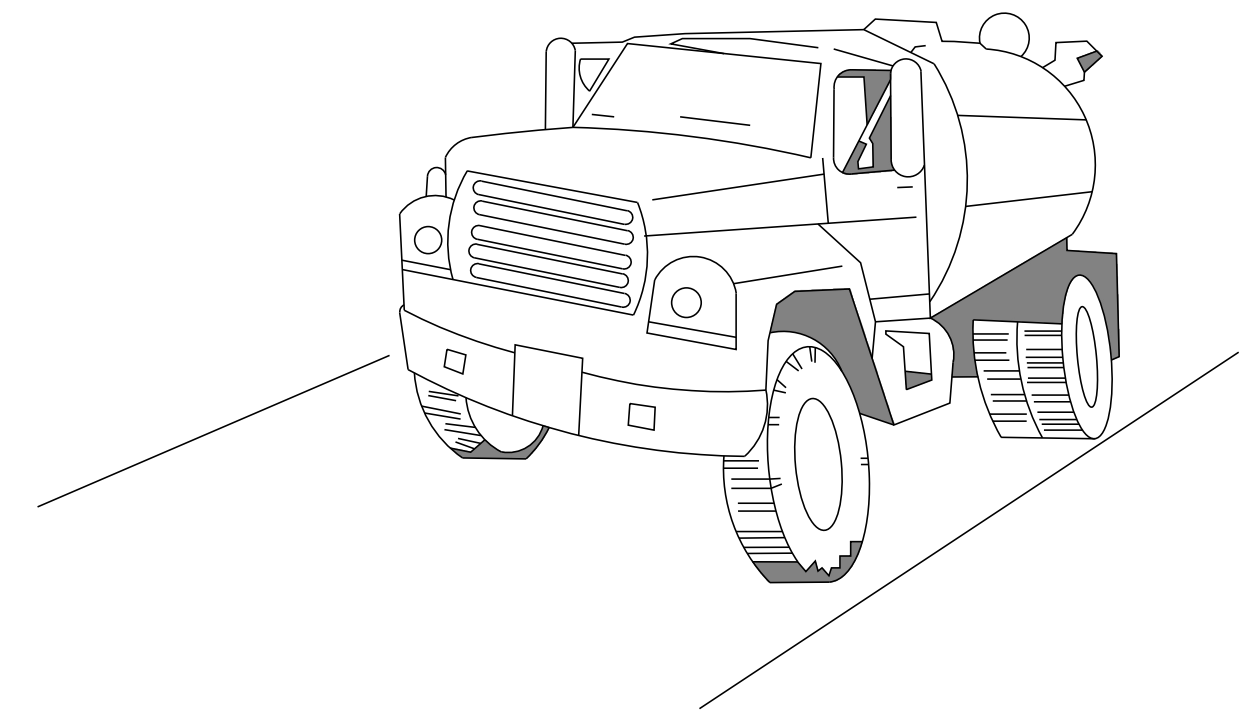


- OBJECTIVES**
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 - FLOATABLE MATERIALS
 - OTHER WASTE

- IMPLEMENTATION REQUIREMENTS**
- CAPITAL COSTS
 - O & M COSTS
 - MAINTENANCE
 - TRAINING

2 SILT FENCE
SCALE: N.T.S.



- OBJECTIVES**
- HOUSEKEEPING PRACTICES
 - CONTAIN WASTE
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 - STABILIZE DISTURBED AREA
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- DUST CONTROLS**
- 1.0 DESCRIPTION:**
DUST CONTROL MEASURES ARE USED TO STABILIZE SOIL FROM WIND EROSION, AND REDUCE DUST BY CONSTRUCTION ACTIVITIES.
- 2.0 APPLICATION:**
1. DUST CONTROL IS USEFUL IN ANY PROCESS AREA, LOADING AND UNLOADING AREA, MATERIAL HANDLING AREAS, AND TRANSFER AREAS WHERE DUST IS GENERATED. STREET SWEEPING IS LIMITED TO AREAS THAT ARE PAVED.
- 3.0 INSTALLATION/APPLICATION CRITERIA:**
1. MECHANICAL DUST COLLECTION SYSTEMS ARE DESIGNED ACCORDING TO THE SIZE OF DUST PARTICLES AND THE AMOUNT OF AIR TO BE PROCESSED. MANUFACTURERS' RECOMMENDATIONS SHOULD BE FOLLOWED FOR INSTALLATION (AS WELL AS THE DESIGN OF THE EQUIPMENT).
2. TWO KINDS OF STREET SWEEPERS ARE COMMON: BRUSH AND VACUUM. VACUUM SWEEPERS ARE MORE EFFICIENT AND WORK BEST WHEN THE AREA IS DRY.
3. MECHANICAL EQUIPMENT SHOULD BE OPERATED ACCORDING TO THE MANUFACTURERS' RECOMMENDATIONS AND SHOULD BE INSPECTED REGULARLY.
- 4.0 LIMITATIONS:**
1. IS GENERALLY MORE EXPENSIVE THAN MANUAL SYSTEMS.
2. MAY BE IMPOSSIBLE TO MAINTAIN BY PLANT PERSONNEL, (THE MORE ELABORATE EQUIPMENT).
3. IS LABOR AND EQUIPMENT INTENSIVE AND MAY NOT BE EFFECTIVE FOR ALL POLLUTANTS (STREET SWEEPERS).
- 5.0 MAINTENANCE:**
1. IF WATER SPRAYER ARE USED, DUST-CONTAMINATED WATERS SHOULD BE COLLECTED AND TAKEN FOR TREATMENT. AREAS WILL PROBABLY NEED TO BE RE-SPRAYED TO KEEP DUST FROM SPREADING.

3 DUST CONTROLS
SCALE: N.T.S.

FILTERSOCK SPECIFICATION:

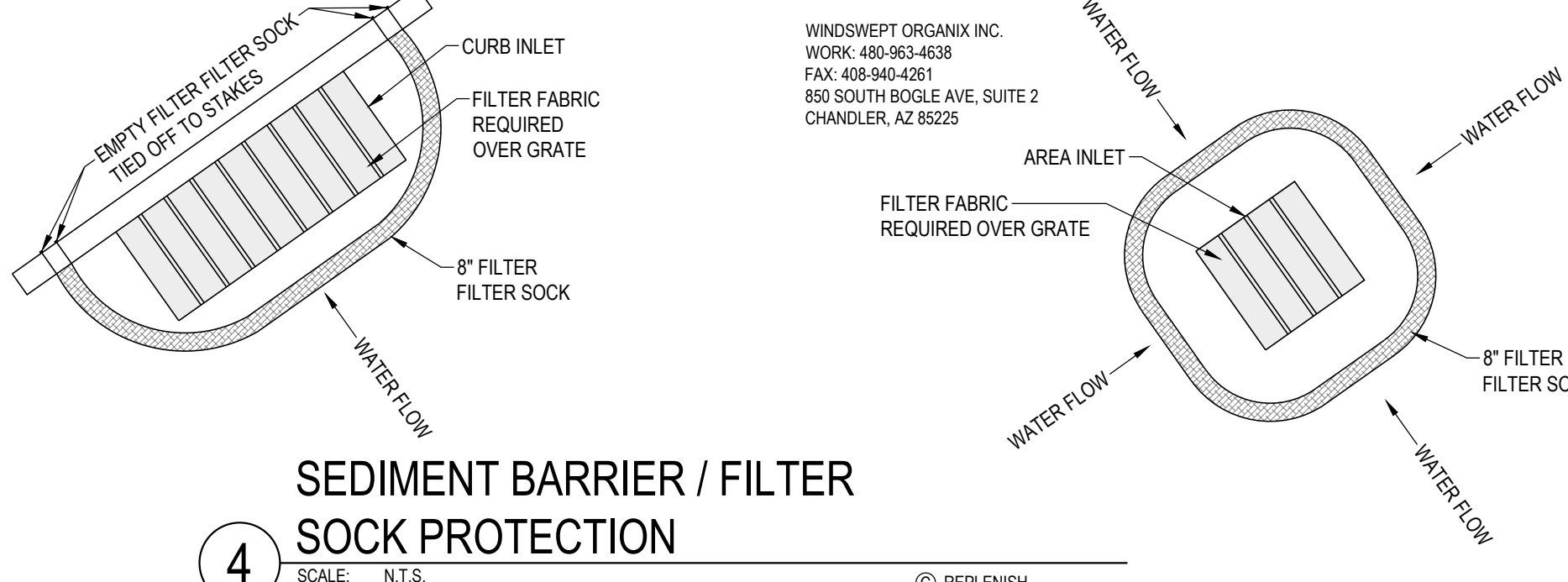
FILTREXX FILTERSOCK INSTALLATION AND MAINTENANCE

- 1.0 DESCRIPTION:**
THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING AND DISPERSING (IF NEEDED) A WATER PERMEABLE COMPOST FILTER SOCK (FILTREXX FILTERSOCK) TO CONTAIN SOIL EROSION AND SEDIMENT BY REMOVING SOIL PARTICLES FROM WATER MOVING OFF SITE INTO ADJACENT WATERWAYS OR STORM WATER DRAINAGE SYSTEMS. FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION FOR OPERATIONAL STORM DRAINAGE SYSTEMS.
- 2.0 COMPOST PRODUCTS USED TO FILL FILTREXX FILTERSOCKS**
1. COMPOST: COMPOST USED FOR FILTREXX FILTERSOCKS SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THE COMPOST SHALL BE PRODUCED USING AN AEROBIC COMPOSTING PROCESS MEETING CFR 503 REGULATIONS, INCLUDING TIME AND TEMPERATURE DATA INDICATING EFFECTIVE WEED SEED, PATHOGEN AND INSECT LARVAE KILL. THE COMPOST SHALL BE FREE OF ANY RESIDUE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW USDC TMECC GUIDELINES FOR LABORATORY PROCEDURES.
 - A. PH - 5.0-8.0 IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC PH DETERMINATIONS FOR COMPOST"
 - B. PARTICLE SIZE - 90% PASSING A 1/2" SIEVE AND A MINIMUM OF 70% GREATER THAN THE 3/8" SIEVE. A TOTAL OF 98% SHALL NOT EXCEED 3 INCHES IN LENGTH, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION"
 - C. MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION.
 - D. MATERIAL SHALL BE RELATIVELY FREE (<1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN MADE MATERIALS.
 - E. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
 2. FILTREXX FILTERSOCKS WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AS DIRECTED BY THE ENGINEER. FILTERSOCKS SHOULD BE INSTALLED IN A PATTERN THAT ALLOWS COMPLETE PROTECTION OF THE INLET AREA.
 3. INSTALLATION OF FILTREXX FILTERSOCKS WILL ENSURE A MINIMAL OVERLAP OF AT LEAST ONE FOOT ON EITHER SIDE OF THE OPENING BEING PROTECTED. THE FILTERSOCKS WILL BE ANCHORED TO THE SOIL BEHIND THE CURB USING STAPLES, STAKES OR OTHER DEVICES CAPABLE OF HOLDING THE FILTERSOCK IN PLACE.
 4. STANDARD SIZES OF FILTERSOCKS FOR INLET PROTECTION WILL BE 8" DIAMETER PRODUCTS. IN SEVERE FLOW SITUATIONS, LARGER FILTERSOCKS MAY BE RECOMMENDED BY THE ENGINEER.
 5. FILTERSOCKS SHALL BE CONSTRUCTED OF A WOVEN MATERIAL, AND FILLED WITH A COMPOST PRODUCT THAT PASSES THE CRITERIA LISTED IN SECTION 2.
 6. IF THE FILTERSOCKS BECOME CLOGGED WITH DEBRIS AND SEDIMENT, THEY SHALL BE MAINTAINED SO AS TO ASSURE A PROPER DRAINAGE AND WATER FLOW INTO THE STORM DRAIN. IN SEVERE STORM EVENTS, OVERFLOW OF THE FILTERSOCK MAY BE ACCEPTABLE IN ORDER TO KEEP THE AREA FROM FLOODING.

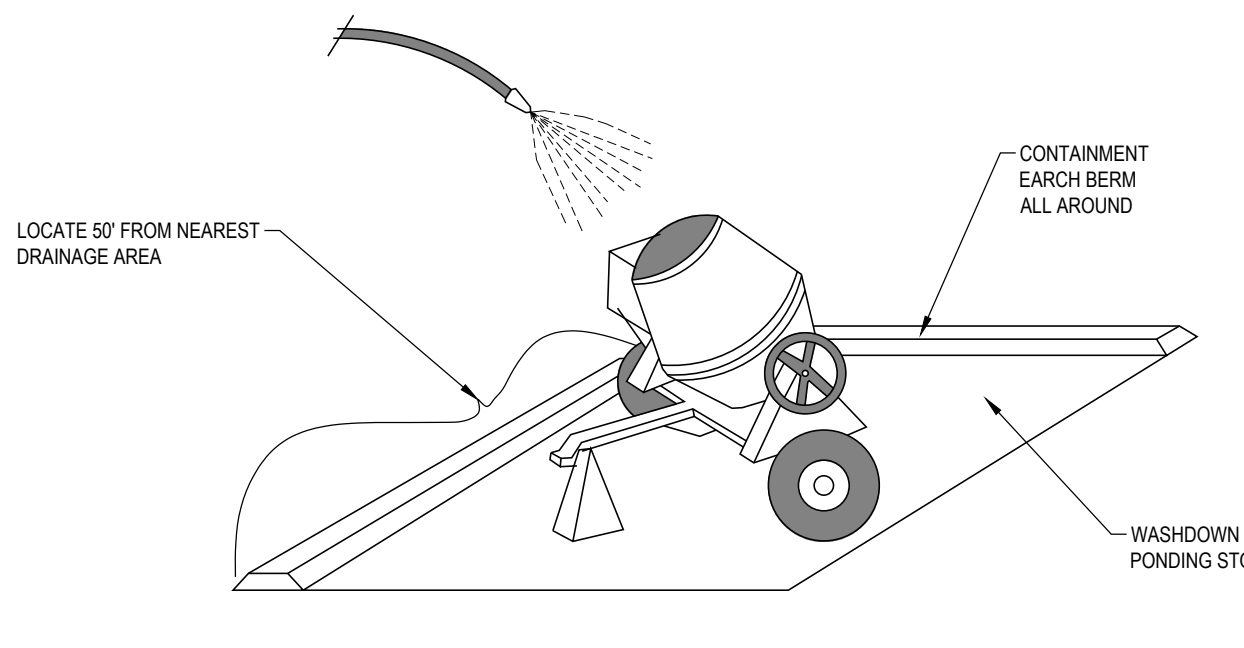
7. THE FILTERSOCKS SHALL BE POSITIONED SO AS TO PROVIDE COMPLETE PHYSICAL BARRIER TO THE DRAIN ITSELF, ALLOWING SEDIMENT TO COLLECT ON THE OUTSIDE OF THE FILTERSOCKS. SEE BELOW SCHEMATIC FOR FILTREXX FILTERSOCK INSTALLATION.
 8. FOR AREAS WHERE FILTERSOCKS ARE TO BE LEFT AS A PERMANENT PART OF THE LANDSCAPE, FILTERSOCKS MAY BE SEEDED DURING TIME OF MANUFACTURE TO CREATE A LIVING SOCK. FOR SEEDING OPTIONS, THE ENGINEER MAY SIMPLY REPLACE ALL LANGUAGE ABOVE WITH "LIVING FILTREXX FILTERSOCKS"
- 4.0 MAINTENANCE:**
1. THE CONTRACTOR SHALL MAINTAIN FILTREXX FILTERSOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
 2. WHERE THE FILTERSOCK REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED.
 3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTERSOCK WHEN THEY REACH 1/2 OF THE EXPOSED HEIGHT OF THE FILTERSOCK, OR AS DIRECTED BY THE ENGINEER.
 4. THE FILTREXX FILTERSOCK WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER. THE NETTING MATERIAL WILL BE DISPOSED OF IN NORMAL TRASH CONTAINERS OR REMOVED BY THE CONTRACTOR.
 5. REGULAR MAINTENANCE INCLUDES LIFTING THE FILTREXX FILTERSOCKS AND CLEANING UNDER THEM AS SEDIMENT COLLECTS.
- 5.0 METHOD OF MEASUREMENT:**
BID ITEMS SHALL SHOW MEASUREMENT AS "FILTREXX FILTERSOCK PER LINEAR FOOT, INSTALLED OR PER INLET, AS SPECIFIED BY THE ENGINEER."
- 6.0 PERFORMANCE:**
1. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A WORKING EROSION CONTROL SYSTEM AND MAY, WITH APPROVAL OF THE ENGINEER, WORK OUTSIDE THE MINIMUM CONSTRUCTION REQUIREMENTS AS NEEDED.
 2. WHERE THE FILTERSOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
 3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.

- 7.0 APPLICATION GUIDELINES:**
1. FILTREXX FILTERSOCKS SHALL EITHER BE MADE ON SITE OR DELIVERED TO THE JOB SITE USING A 3 MIL TUBULAR HOPE KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS AS OUTLINED IN 2.0.
 2. FILTREXX FILTERSOCKS NETTING MATERIALS ARE AVAILABLE ONLY FROM FILTREXX INTERNATIONAL, LLC AND ARE THE ONLY CERTIFIED MESH MATERIALS ACCEPTED IN CREATING FILTREXX PRODUCTS ON SITE OR AS DELIVERED TO THE JOB SITE. STANDARD FILTREXX COLOR CODING SYSTEMS INCLUDE YELLOW AND BLACK STRIPED MESH NETTING WITH 3/8" MESH OPENINGS FOR INLET PROTECTION. OTHER COLORS ARE ONLY ACCEPTABLE AS APPROVED BY BOTH THE ENGINEER AND FILTREXX INTERNATIONAL, LLC.
 3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.
- 8.0 AVAILABLE VENDORS FILTREXX FILTERSOCKS MAY BE PURCHASED FROM THE FOLLOWING CERTIFIED FILTREXX INSTALLERS:**

WINDSWEEP ORGANIX INC.
WORK: 408-943-4838
FAX: 408-940-4261
850 SOUTH BOGLE AVE, SUITE 2
CHANDLER, AZ 85225



4 SEDIMENT BARRIER / FILTER SOCK PROTECTION
SCALE: N.T.S.

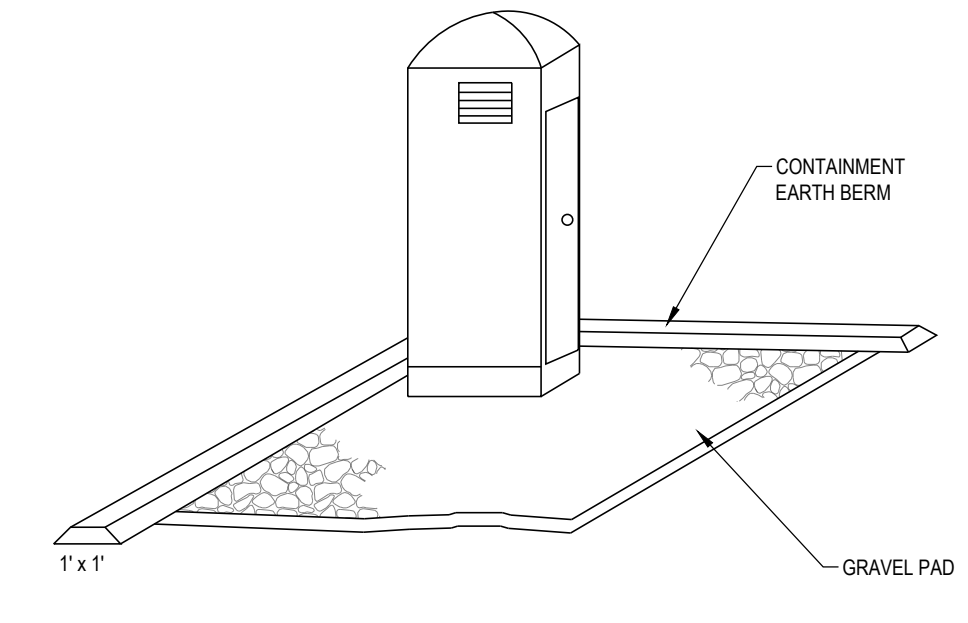


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- SEDIMENT
 - NUTRIENTS
 - TOXIC MATERIALS
 - OIL & GREASE
 - FLOATABLE MATERIALS
 - OTHER WASTE

- IMPLEMENTATION REQUIREMENTS**
- CAPITAL COSTS
 - O & M COSTS
 - MAINTENANCE
 - TRAINING

5 CONCRETE WASTE MANAGEMENT
SCALE: N.T.S.



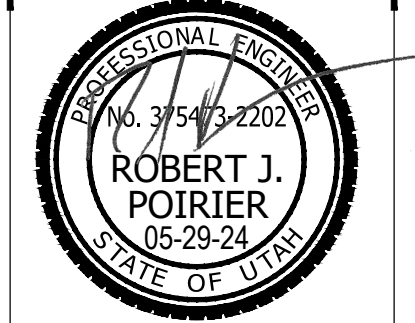
- OBJECTIVES**
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- SEDIMENT
 - NUTRIENTS
 - TOXIC MATERIALS
 - OIL & GREASE
 - FLOATABLE MATERIALS
 - OTHER WASTE

- IMPLEMENTATION REQUIREMENTS**
- NO LIMITATIONS
 - CAPITAL COSTS
 - O & M COSTS
 - MAINTENANCE
 - TRAINING

6 PORTABLE TOILETS
SCALE: N.T.S.

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8610 South Sandy Parkway, Suite 200, Sandy, Utah 84070 801.253.7700 mceilingneering.com
Civil Engineering • Consulting & Landscape Architecture
Structural Engineering • Land Surveying & HDS



HYRUM 1, 5, 10 PARKING ADDITION
125 NORTH 400 WEST
HYRUM, UT 84319
HYRUM UTAH WEST STAKE

REV	DATE	DESCRIPTION

PROJECT NO: 24072
DRAWN BY: BKL
CHECKED BY: CEG
DATE: 05/17/24
PROJ# 516922423010101

EROSION CONTROL DETAIL SHEET
C5.03

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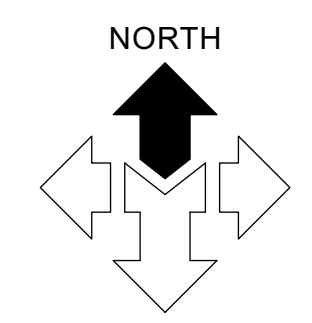
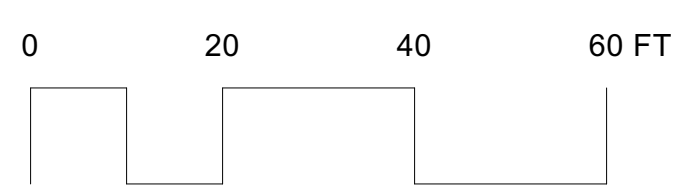
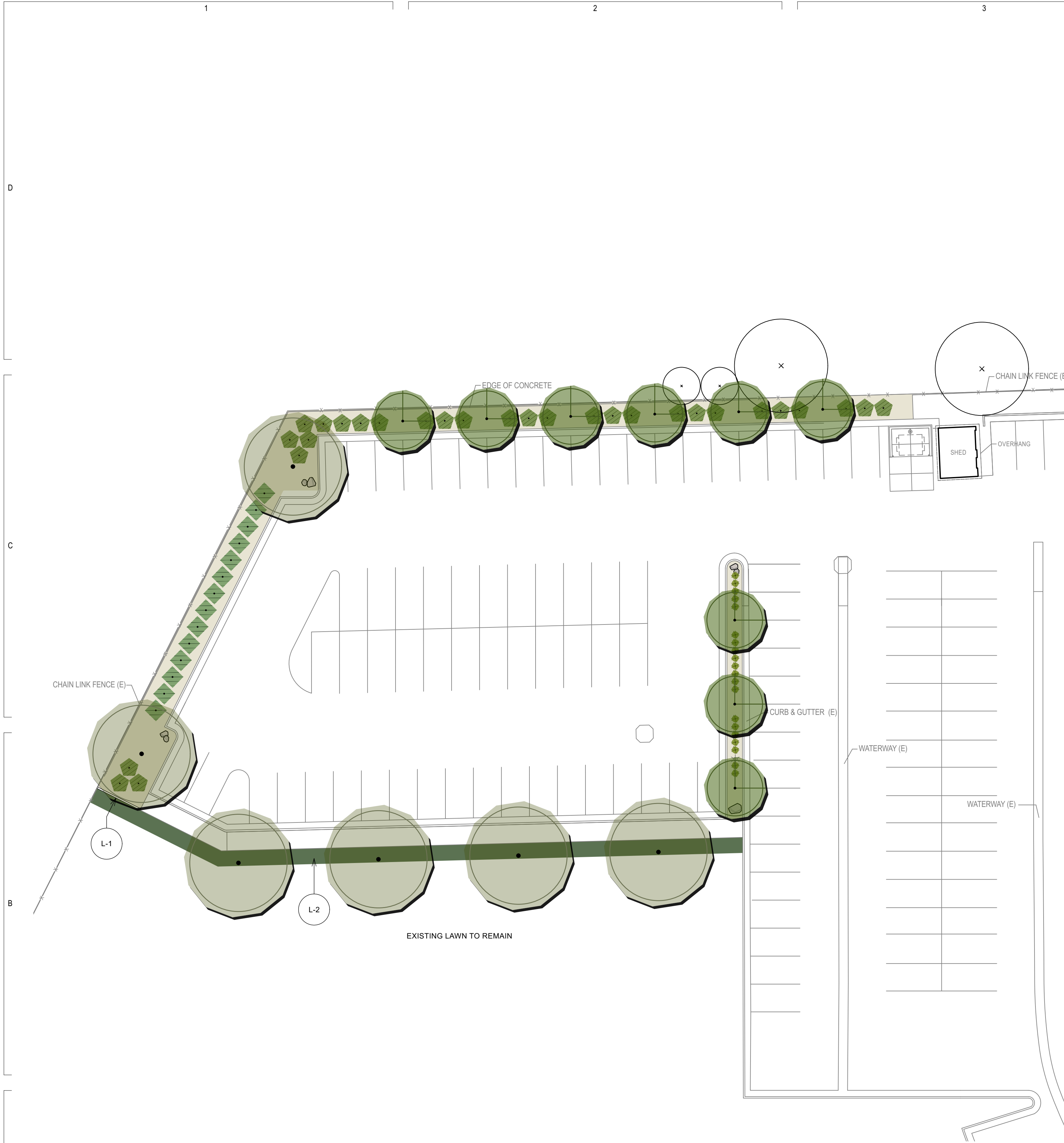
LANDSCAPE SCHEDULE

SYMBOL	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	DETAIL
DECIDUOUS TREES					
	9	AMERICAN HORNBEAM	CARPINUS CAROLINIANA	2" CAL.	D/L501
	6	ALLEE LACEBARK ELM	ULMUS PARVIFLORA 'ELMER II'	2" CAL.	D/L501
	4	EXISTING DECIDUOUS TREE TO REMAIN			
EVERGREEN TREES					
SHRUBS					
	14	HILLSIDE CREEPER SCOTCH PINE	PINUS SYLVESTRIS 'HILLSIDE CREEPER'	5 GAL	B/L501
	29	PAWNEE BUTTES WESTERN SAND CHERRY	PRUNUS BESSEYI 'PAWNEE BUTTES'	5 GAL	B/L501
ORNAMENTAL GRASSES					
	20	FOERSTER'S FEATHER REED GRASS	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	5 GAL.	A/L501

SYMBOL	QTY.	DESCRIPTION	INSTRUCTIONS	SIZE	SOURCE	DETAIL
	1,067 S.F.	"IMPERIAL BLUE" LAWN SOD	INSTALL OVER MINIMUM 5" TOPSOIL LAYER.		CHANSHARE FARMS (866) SOD-EASY OR APPROVED EQUAL	G/L501
	7	"BROWNS CANYON" BOULDERS	BURY 1/3 THE DEPTH OF THE BOULDER INTO FINISH GRADE. DO NOT USE BOULDERS THAT ARE LESS THAN 24" DIAMETER. BOULDER SHALL BE WASHED AND FREE OF DIRT AND OTHER FOREIGN DEBRIS.	2'-4" DIAMETER IN ALL DIRECTIONS	BOULDERS FROM BROWNS CANYON QUARRY. CONTACT ONE SOURCE MATERIALS. ONESOURCEMATERIALS.COM, (385) 447-9374.	E/L501
	3,629 S.F.	"BROWNS CANYON" CRUSHED ROCK	INSTALLED A MINIMUM 3" DEEP. INSTALL OVER DEWITTS 4.1 WEED BARRIER FABRIC. CRUSHED ROCK SHALL BE FREE OF DIRT & OTHER FOREIGN DEBRIS.	1" DIAMETER	CRUSHED ROCK FROM BROWNS CANYON QUARRY. CONTACT ONE SOURCE MATERIALS. ONESOURCEMATERIALS.COM, (385) 447-9374.	F/L501
			ALWAYS PLANT ACCORDING TO CENTER POINT OF THE SYMBOL			

REFERENCE NOTES

- L-1. NEW CONCRETE MOWSTRIP
DETAIL H/L501
- L-2. PROVIDE A SMOOTH AND STRAIGHT GRADE FROM TOP OF NEW WALKWAY TO EXISTING LAWN. FEATHER GRADE AS NEEDED.



AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.

Call Before You Dig
1-800-662-4111

NOTICE!

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

HYRUM 1, 5 PARKING EXPANSION

125 NORTH 400 WEST
HYRUM, UTAH

Project For:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Property Number:
516-9224

JOB NUMBER: 24072
OWNER: LDS CHURCH
DATE: APRIL 2024

REV DATE DESCRIPTION

LANDSCAPE PLANTING PLAN

L111



HYRUM 1, 5 PARKING EXPANSION
 125 NORTH 400 WEST
 HYRUM, UTAH

Project For:

**THE CHURCH OF
 JESUS CHRIST
 OF LATTER-DAY SAINTS**

Property Number:
516-9224

JOB NUMBER: 24072

OWNER: LDS CHURCH

DATE: APRIL 2024

REV DATE DESCRIPTION

**LANDSCAPE
 IRRIGATION PLAN**

L121

IRRIGATION SCHEDULE

SYMBOL	TYPE	MANUFACTURER	DETAIL	
o	NEW ROTOR HEAD TO MATCH EXISTING		AIL502	
DRIP AREAS				
[Symbol]	TREE DRIP RING AT NEW TREES SPACED @ 24" O.C.	NETAFIM	TLCV9-12 H/L502	
SYMBOL	TYPE	MANUFACTURER	DESCRIPTION	DETAIL
[Symbol]	VALVES			
[Symbol]	DRIP CIRCUIT CONTROL VALVE	RAIN BIRD	XCZ-100-PRB-COM DRIP ZONE KIT WITH 100-PEB CONTROL VALVE AND BASKET FILTER WITH BUILT-IN PRV	E/L502
OTHER EQUIPMENT				
[Symbol]	EXISTING SMART CONTROLLER TO REMAIN			
[Symbol]	NEW FILTER ASSEMBLY AND ENCLOSURE			AIL503
SYMBOL	TYPE	MATERIAL	DETAIL	
[Symbol]	PIPE			
[Symbol]	1" DRIP SUPPLY LINE, 1/2" FUNNY PIPE AND EMITTERS NOT SHOWN ON PLAN FOR GRAPHIC CLARITY.	SCHEDULE 40 PVC PIPE WITH SCHEDULE 40 PVC FITTINGS.	C/L502	
[Symbol]	2" MAIN LINE	SCHEDULE 40 PVC PIPE WITH SCHEDULE 80 PVC FITTINGS.	C/L502	
[Symbol]	1" LATERAL LINE	SCHEDULE 40 PVC PIPE WITH SCHEDULE 40 PVC FITTINGS.	C/L502	
[Symbol]	PIPE SLEEVE UNDER NEW PAVING	SCHEDULE 40 PVC	D/L502	

[Symbol]	#	VALVE NUMBER
[Symbol]	gpm	VALVE FLOW

EMITTER SCHEDULE

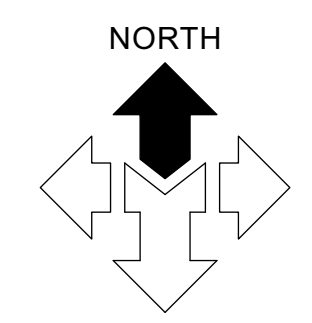
PLANT NAME	DRIP EMISSION DEVICE	MANUFACTURER	MODEL	DETAIL
ALLEE LACEBARK ELM	Tree Drip Ring (22 gph)	Netafim	TLCV9-12	H/L502
AMERICAN HORNBEE	Tree Drip Ring (22 gph)	Netafim	TLCV9-12	H/L502
FOERSTER'S FEATHER REED GRASS	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501
HILLSIDE CREEPER SCOTCH PINE	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501
PAWNEE BUTTES WESTERN SAND CHERRY	(1) 2-GPH Emitter	GPH IRRIGATION PRODUCTS	GPSTCV SPEC-CHECK PC 'DESERT CAMO' COLOR	I/L501

REFERENCE NOTES

- I-1. REMOVE EXISTING FILTER ASSEMBLY AND FITTINGS AS NEEDED FOR PROPER INSTALLATION OF NEW AUTOMATIC FILTER ASSEMBLY, INCLUDING NEW DRAIN VALVE, QUICK COUPLER VALVE, AND ISOLATION VALVE - SEE DETAIL C/L503. CONNECT NEW 2" MAINLINE ONTO EXISTING 2" MAINLINE AS NEEDED.
- I-2. INSTALL NEW DRIP CONTROL VALVE ONTO THE NEW MAINLINE PRIOR TO CONNECTING BACK INTO THE EXISTING MAINLINE.
- I-3. EXISTING LATERAL LINE TO REMAIN - FIELD VERIFY LOCATION, SIZE, AND DEPTH.
- I-4. NEW ROTOR HEAD - TYPE TO MATCH EXISTING IN ORDER TO MATCH EXISTING PRECIPITATION RATE. CONNECT ONTO EXISTING LATERAL LINE AS NEEDED.
- I-5. CONTROL WIRES FOR NEW DRIP VALVE AND HYDROMETER HOUSED IN A 1" PVC CONDUIT TO BE CONNECTED TO EXISTING CONTROLLER LOCATED WITHIN PAVILION. REPAIR DAMAGE TO EXISTING LANDSCAPE AND IRRIGATION AS NEEDED.

GENERAL NOTE

- I-1. REPROGRAM THE EXISTING SMART CONTROLLER AS NEEDED TO INCLUDE THE NEW DRIP IRRIGATION CONTROL VALVE AND HYDROMETER. ALL WORK REQUIRED FOR THE COMPLETE AND PROPER SETUP OF THE NEW HYDROMETER TO THE EXISTING SMART CONTROLLER SHALL BE A PART OF THIS CONTRACT.



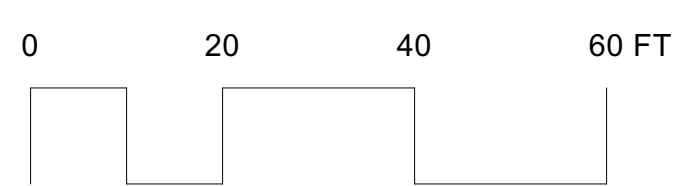
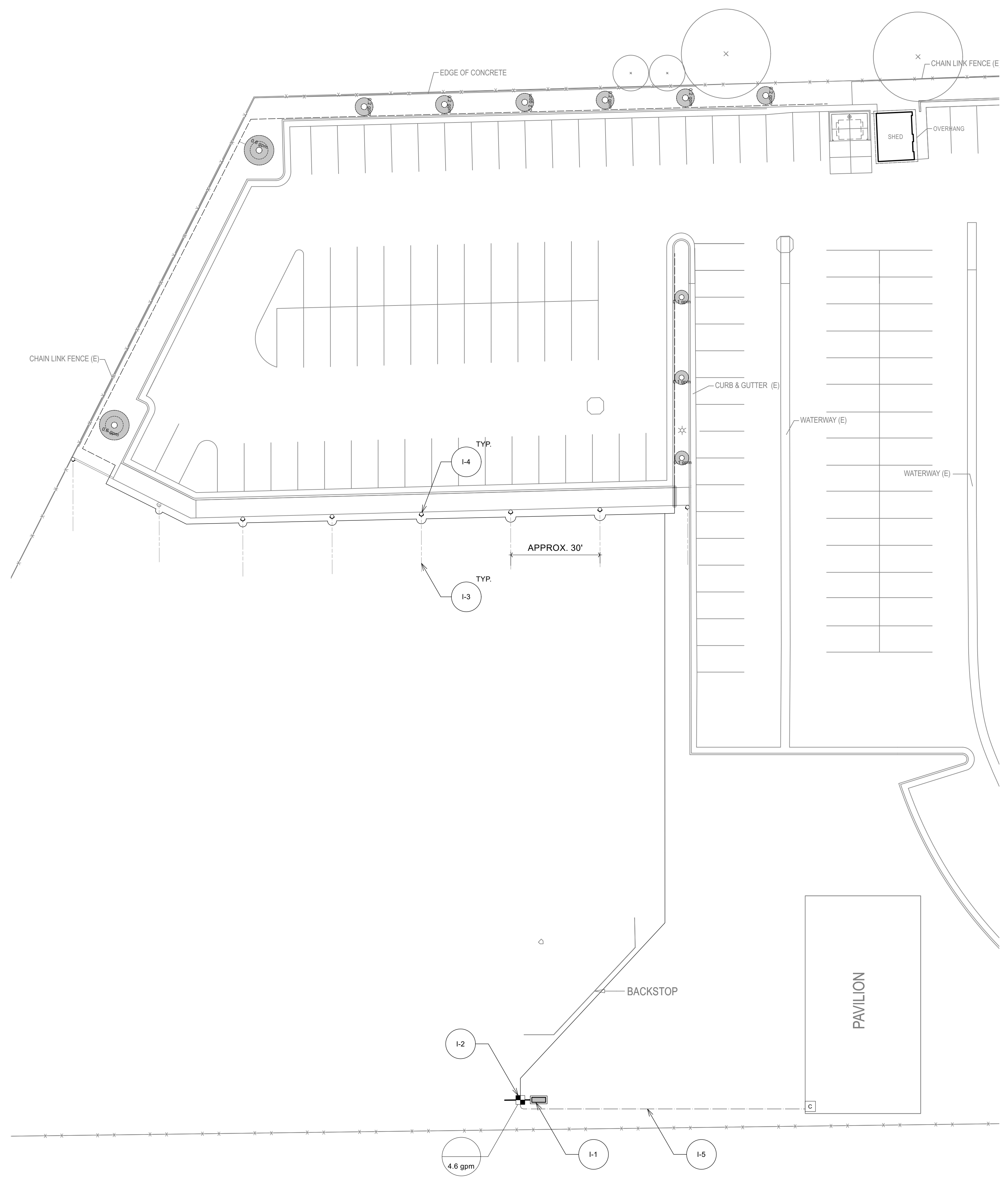
AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.

Call
BEFORE YOU
Dig

1-800-662-4111

NOTICE!

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.



01 January, 2000



HYRUM 1, 5 PARKING EXPANSION
 125 NORTH 400 WEST
 HYRUM, UTAH

Project For:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

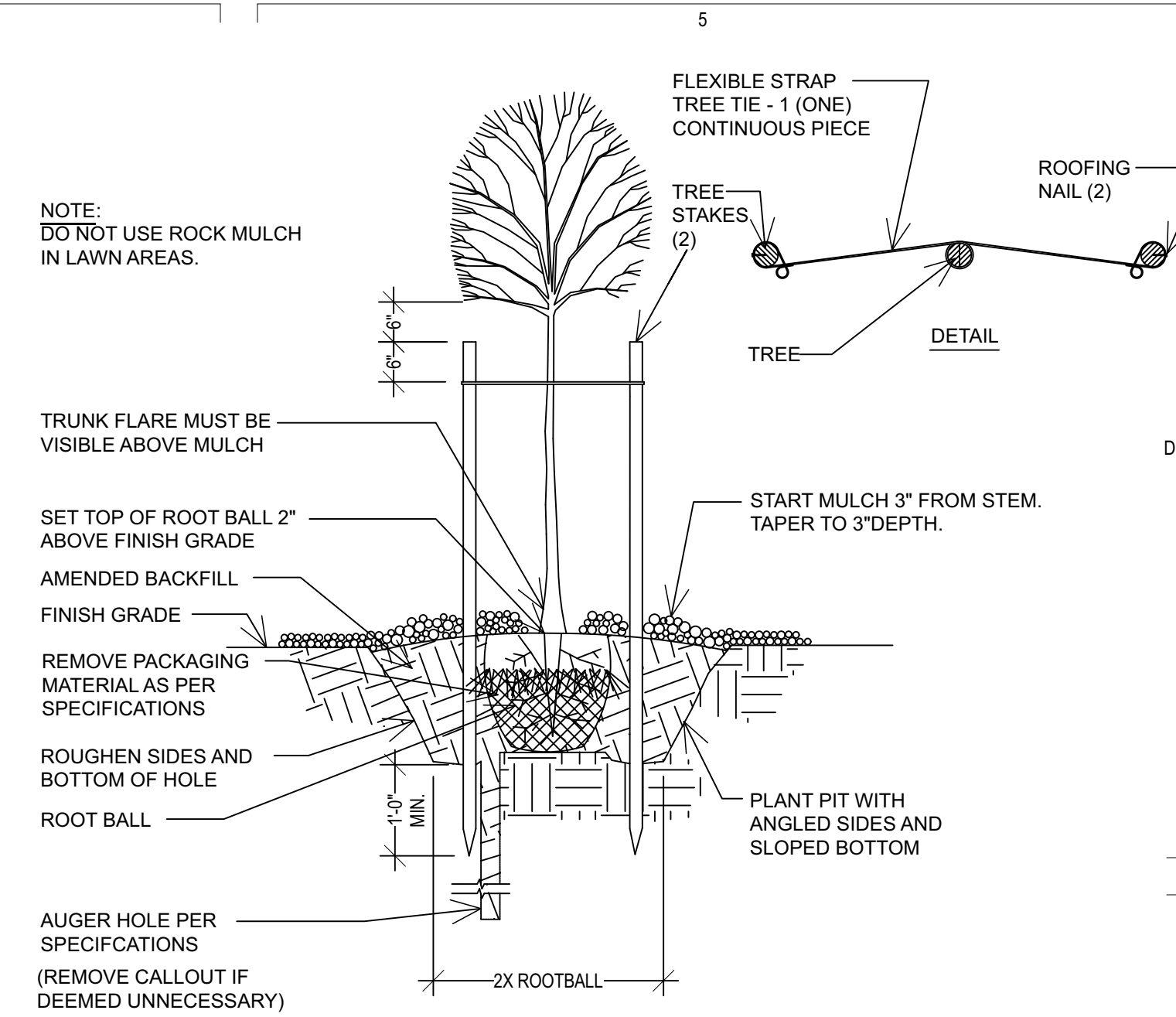
Property Number:
516-9224

JOB NUMBER: 24072
 OWNER: LDS CHURCH
 DATE: APRIL 2024

REV DATE DESCRIPTION

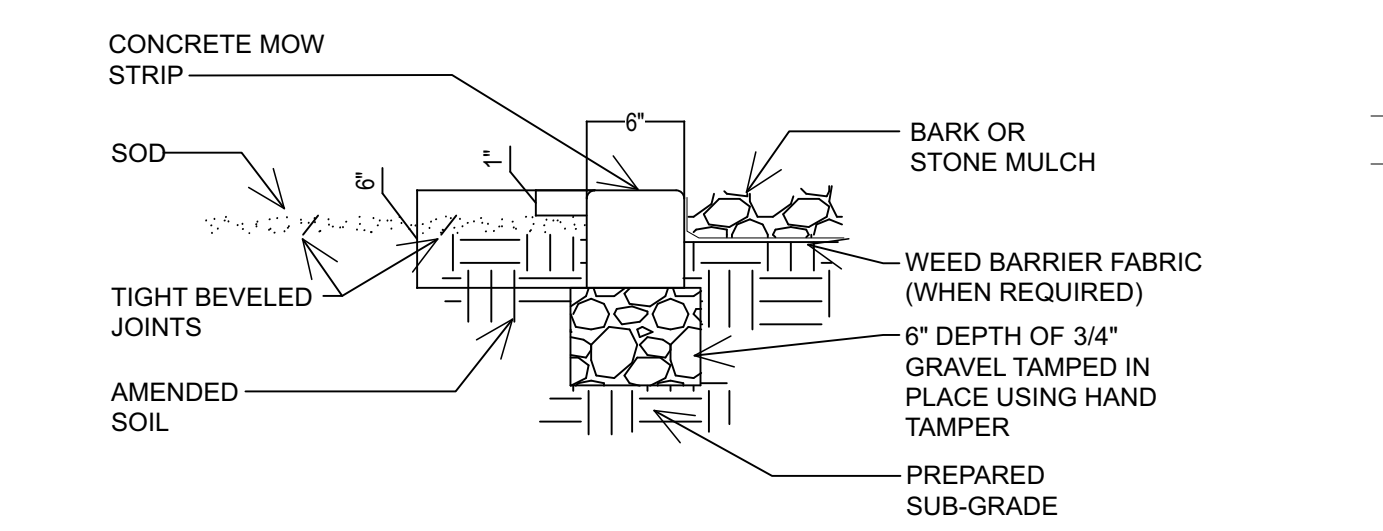
LANDSCAPE DETAILS

L501

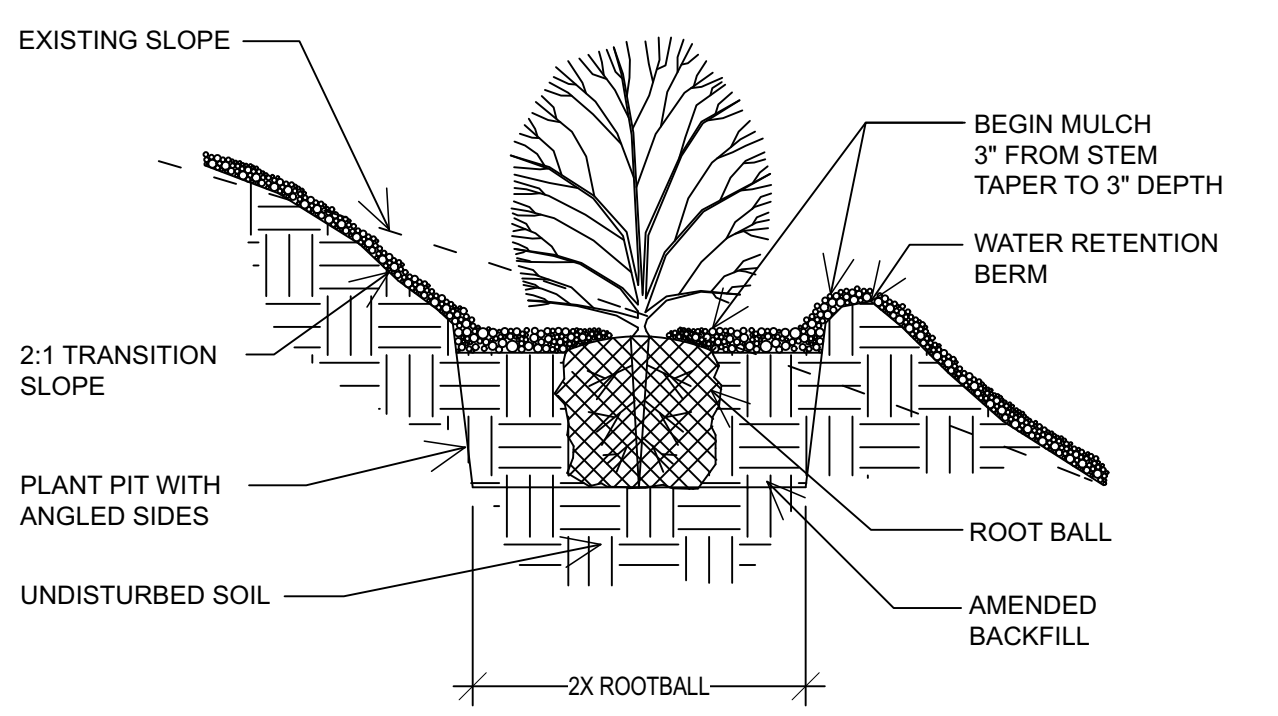


D TREE PLANTING AND STAKING
NOT TO SCALE

- NOTES:**
- MOW STRIP TO BE 4,500 PSI CONCRETE WITH 6% AIR ± 1 1/2.
 - INSTALL EXPANSION AND CONTROL JOINTS AS PER SPECIFICATIONS.
 - PROVIDE POSITIVE DRAINAGE AROUND MOW STRIPS. DO NOT CREATE A DAM EFFECT WITH PLACEMENT OF MOW STRIP.
 - MAXIMUM 1/2" WIDTH VARIATION.
 - FOLLOW LAYOUT PLAN PRECISELY AS SHOWN ON MOW STRIP/EDGING DIMENSION PLAN.
 - RAISE THE LAWN GRADE 1" WHEN SEEDING.

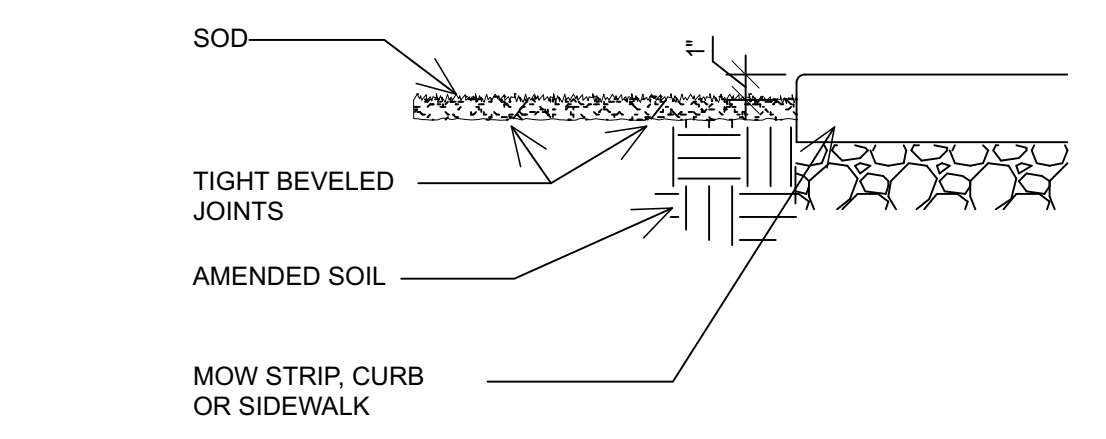


H CONCRETE MOW STRIP
SCALE:

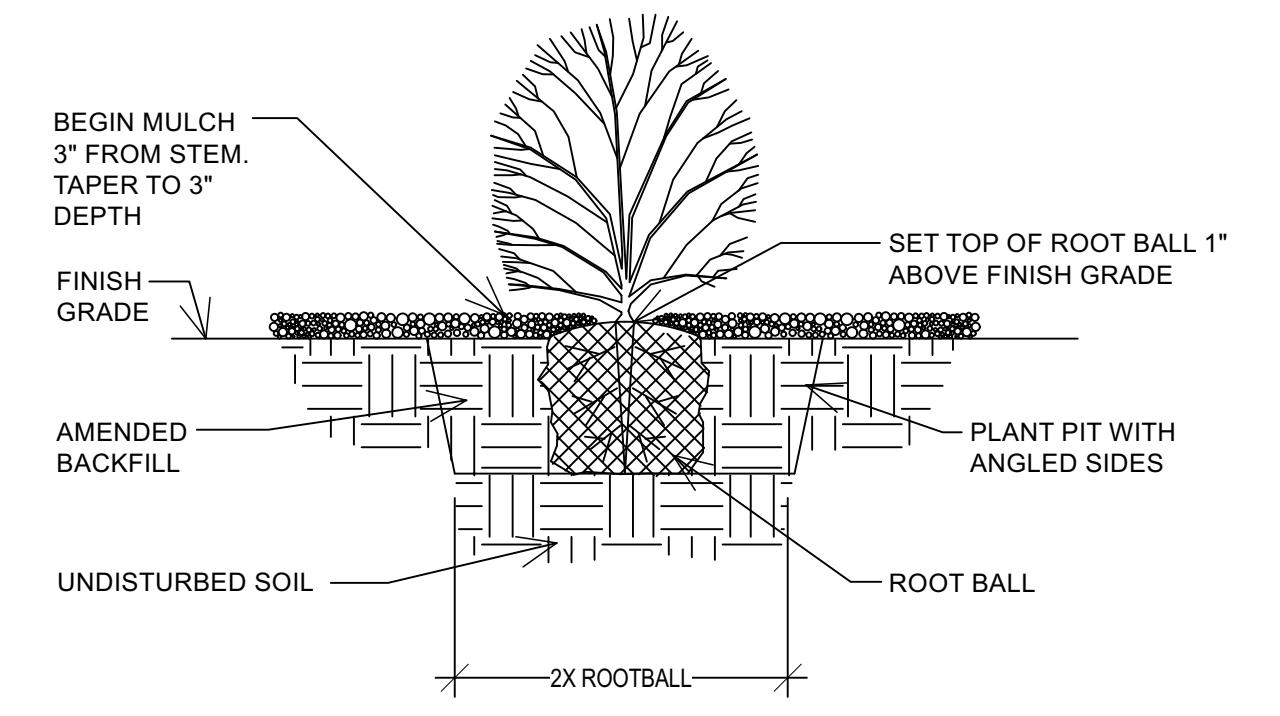


C PLANTING ON SLOPE
NOT TO SCALE

- NOTES:**
- A. LAYING OF SOD:**
- LAY SOD DURING GROWING SEASON AND WITHIN 48 HOURS OF BEING LIFTED.
 - LAY SOD WHILE TOP 6 INCHES OF SOIL IS DAMP, BUT NOT MUDDY. SODDING DURING FREEZING TEMPERATURES OR OVER FROZEN SOIL IS NOT ACCEPTABLE.
 - LAY SOD IN ROWS PERPENDICULAR TO SLOPE WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
 - LAY SOD FLUSH WITH ADJOINING EXISTING SODDED SURFACES.
 - DO NOT SOD SLOPES STEEPER THAN 3:1. CONSULT WITH ARCHITECT FOR ALTERNATE TREATMENT.
- B. AFTER LAYING OF SOD IS COMPLETE:**
- ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER.
 - REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS, OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT IRREGULARITIES IN GRADE WILL NOT BE PERMITTED.
 - WATER SODDED AREAS IMMEDIATELY AFTER LAYING SOD TO OBTAIN MOISTURE PENETRATION THROUGH SOD INTO TOP 6 INCHES OF TOPSOIL.

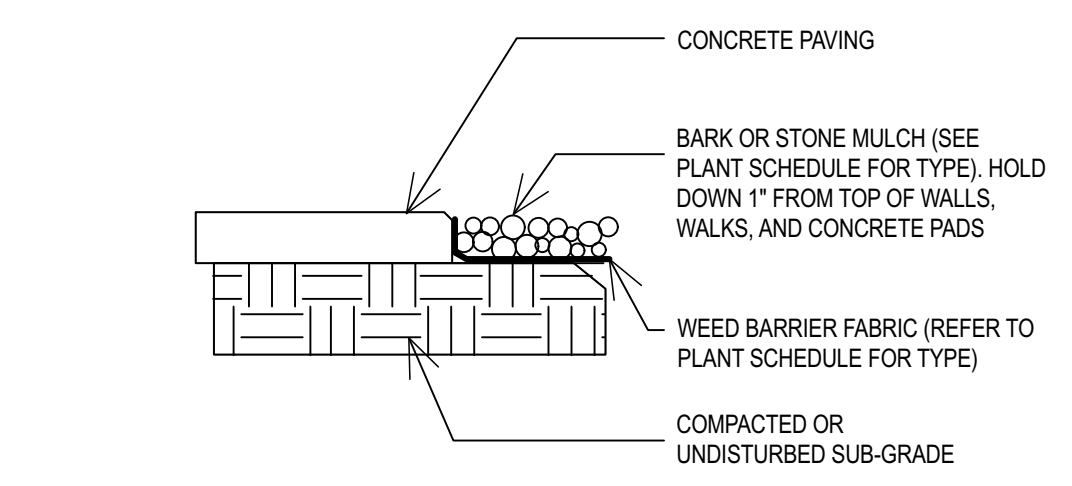


G SOD INSTALLATION
NO SCALE

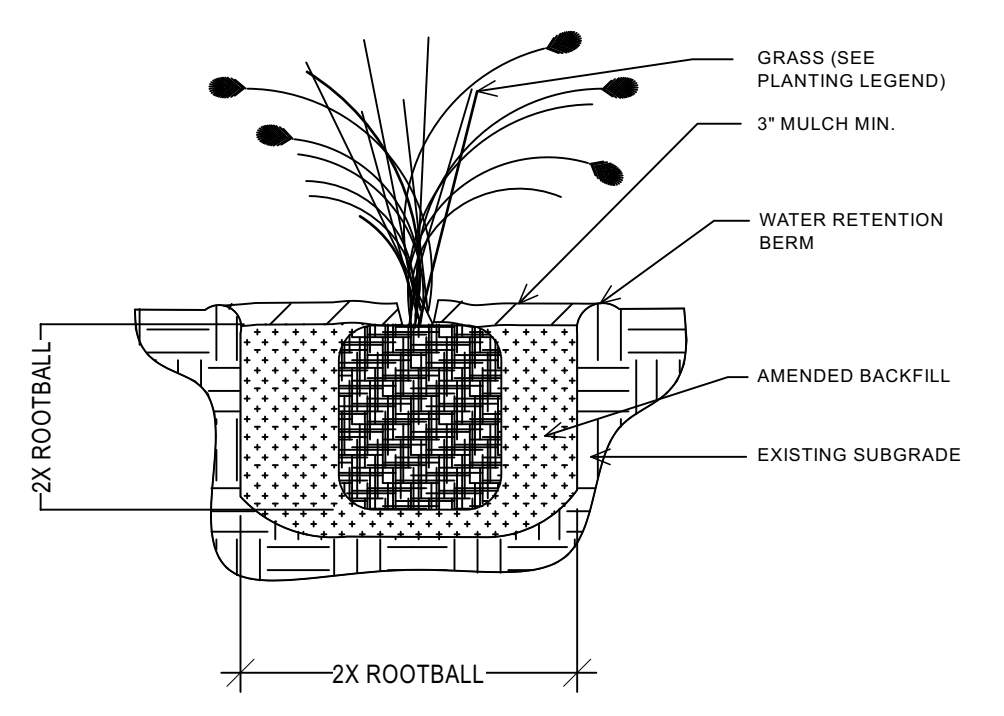


B SHRUB PLANTING
NOT TO SCALE

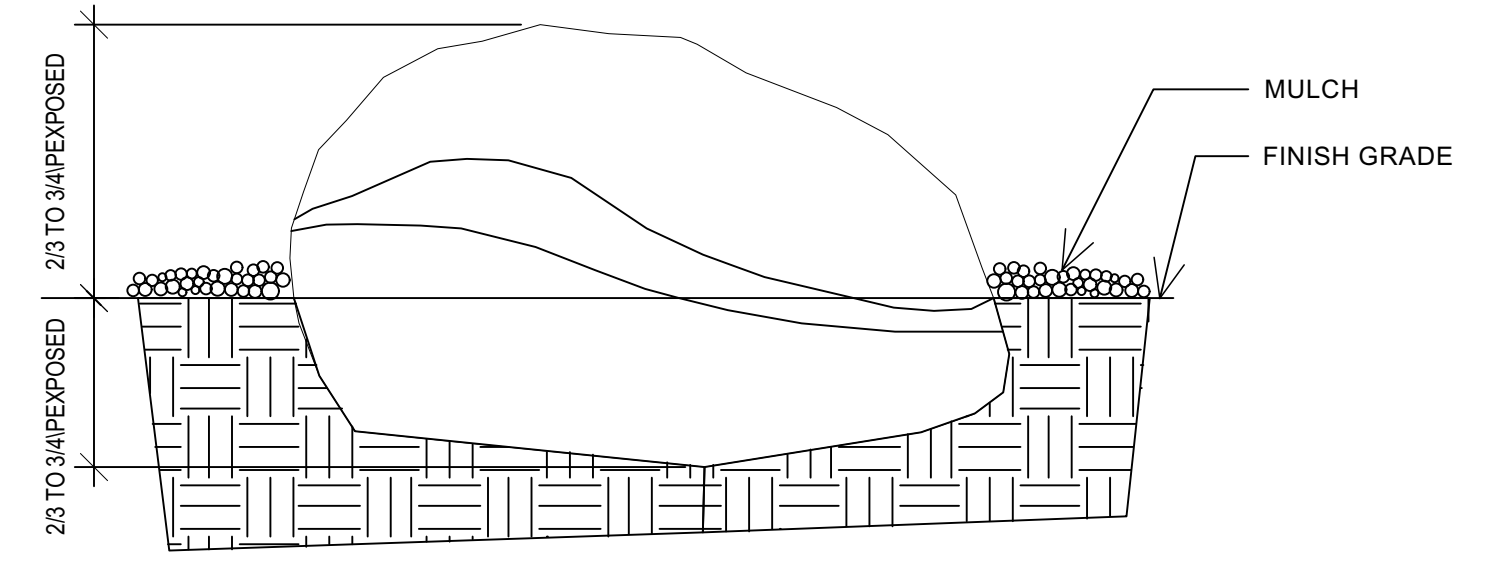
- NOTES:**
- APPLY PRE-EMERGENT HERBICIDE TO SHRUB AND GROUND COVER PLANTING AREAS AND GRASS-FREE AREAS AT TREES IN LAWN PRIOR TO PLACEMENT OF WEED BARRIER FABRIC AND MULCH.
 - PRE-EMERGENT SHALL BE "SURFLAN AS" (LIQUID) BY UNITED PHOSPHORUS INC, TRENTON, NJ, OR APPROVED EQUAL.
 - INSTALL MULCH TO UNIFORM DEPTH AND RAKE TO NEAT FINISHED APPEARANCE FREE OF HUMPS AND DEPRESSIONS.



F MULCH
NO SCALE

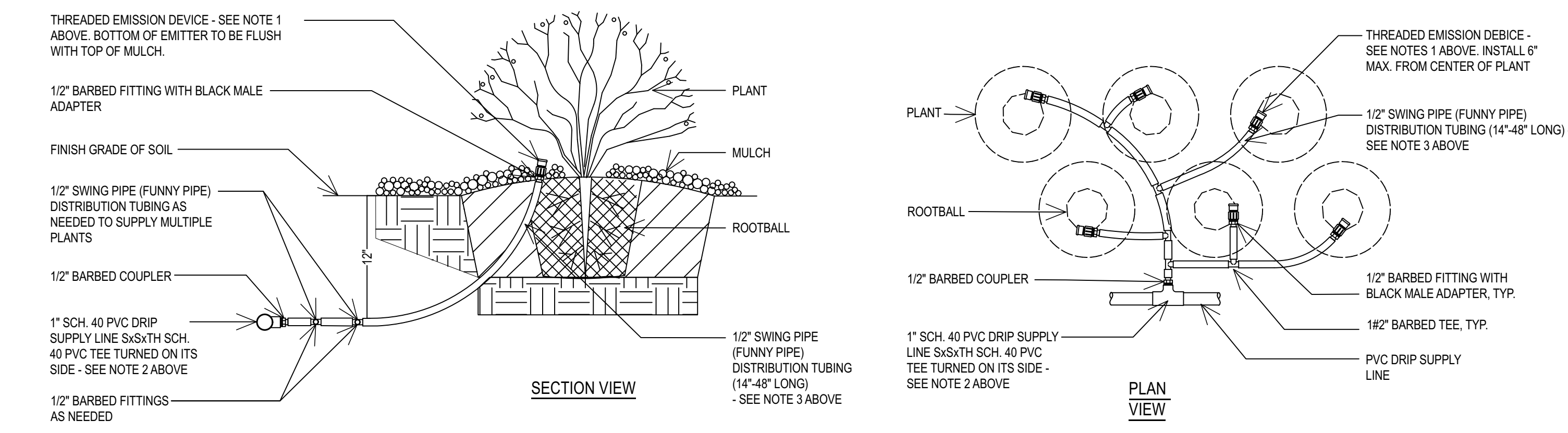


A ORNAMENTAL GRASSES PLANTING
NOT TO SCALE

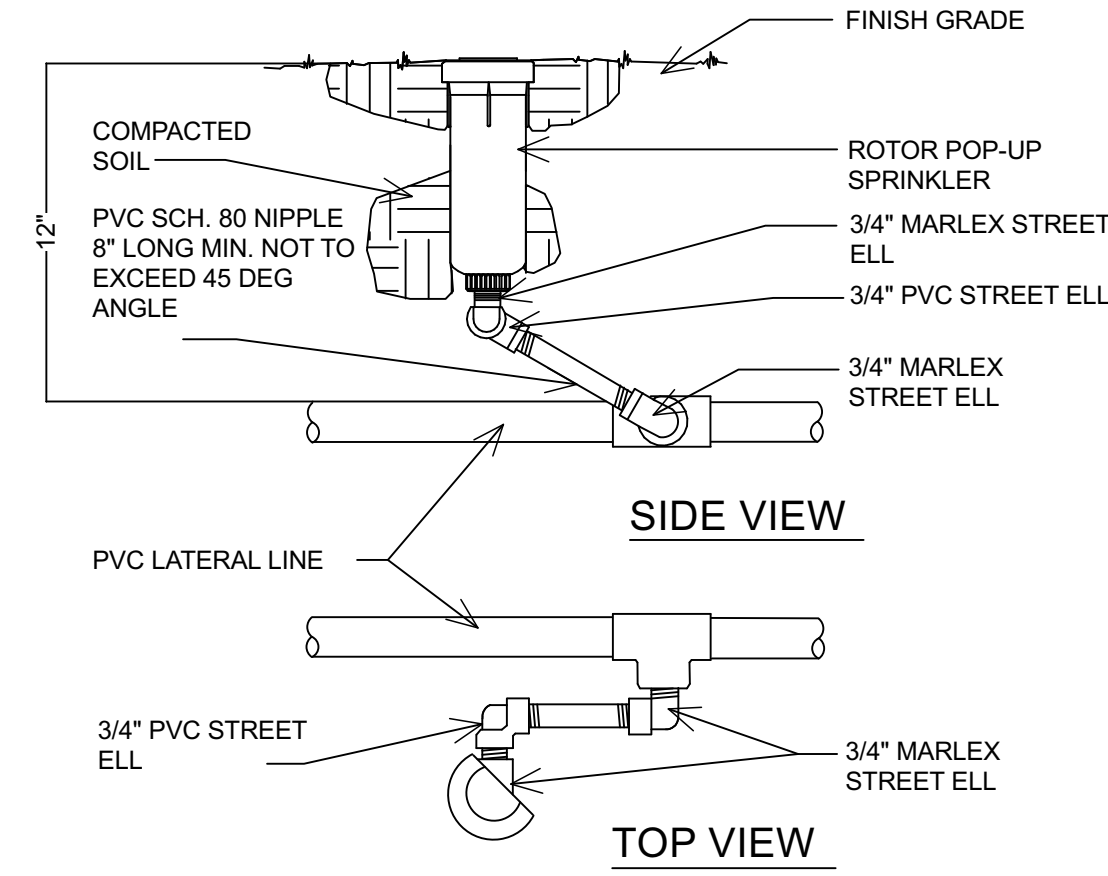
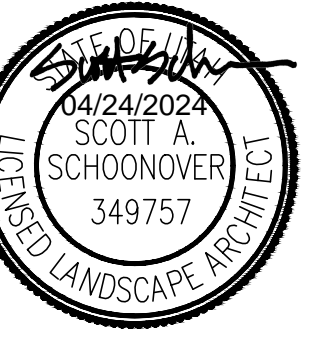


E BOULDER PLACEMENT DETAIL
NO SCALE

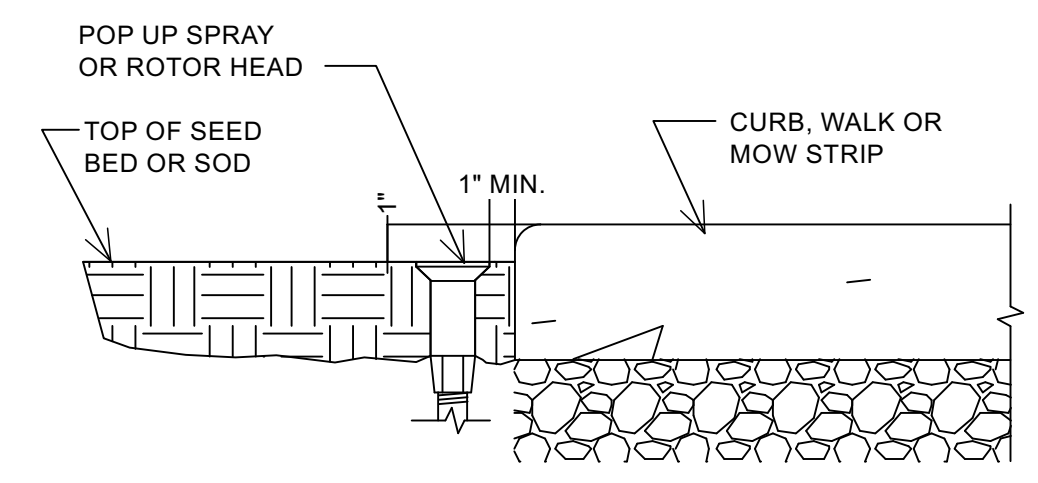
- NOTES:**
- SEE EMISSION DEVICE SCHEDULE ON IRRIGATION PLAN FOR TYPE, QUANTITY AND SIZE OF EMISSION DEVICE PER PLANT.
 - INSTALL A MAX. OF (6) EMISSION DEVICES PER PVC CONNECTION.
 - DISTRIBUTION TUBING SHALL BE INSTALLED A MINIMUM OF 12" BELOW FINISHED GRADE AND ONLY BE BROUGHT TO THE SURFACE AT EACH PLANT.



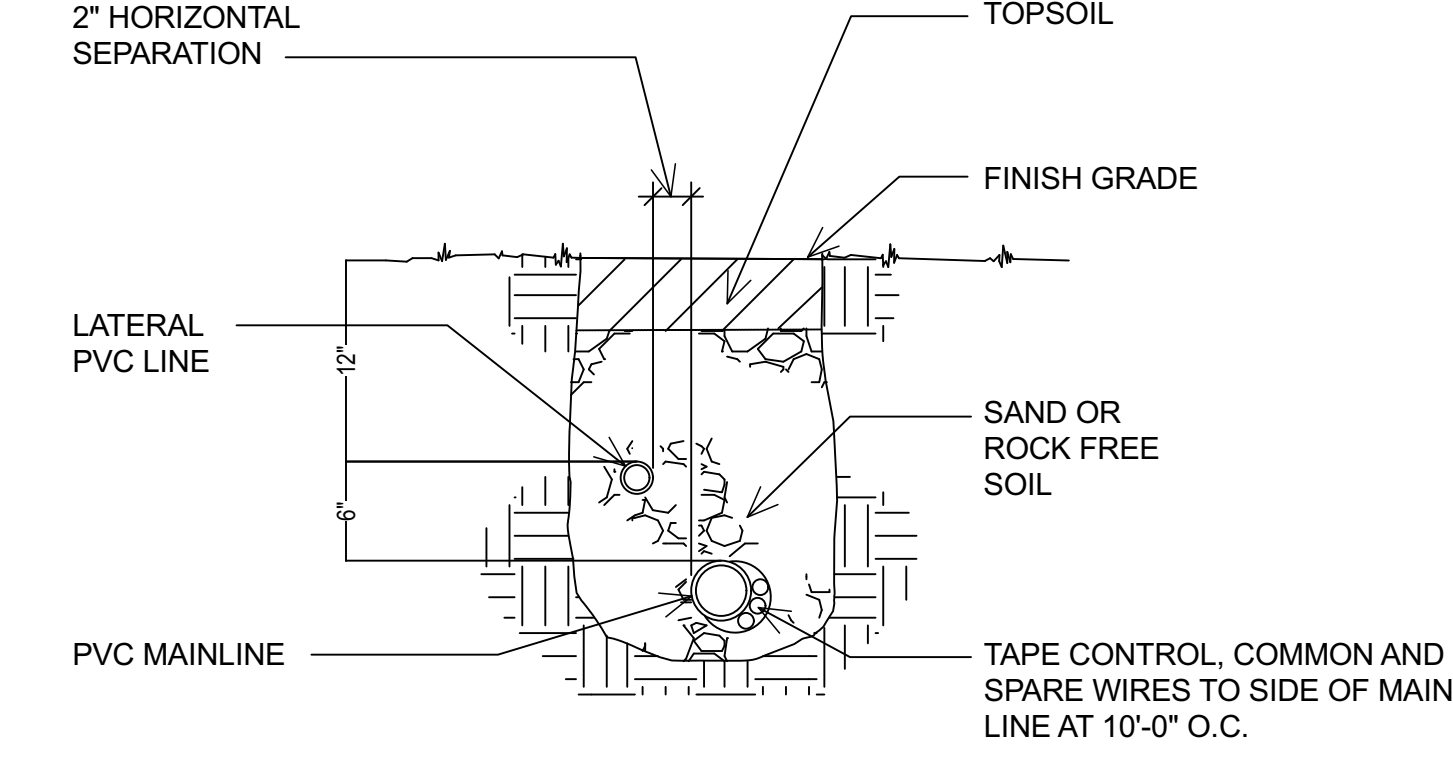
I DRIP EMISSION DEVICE @ SHRUBS
NO SCALE



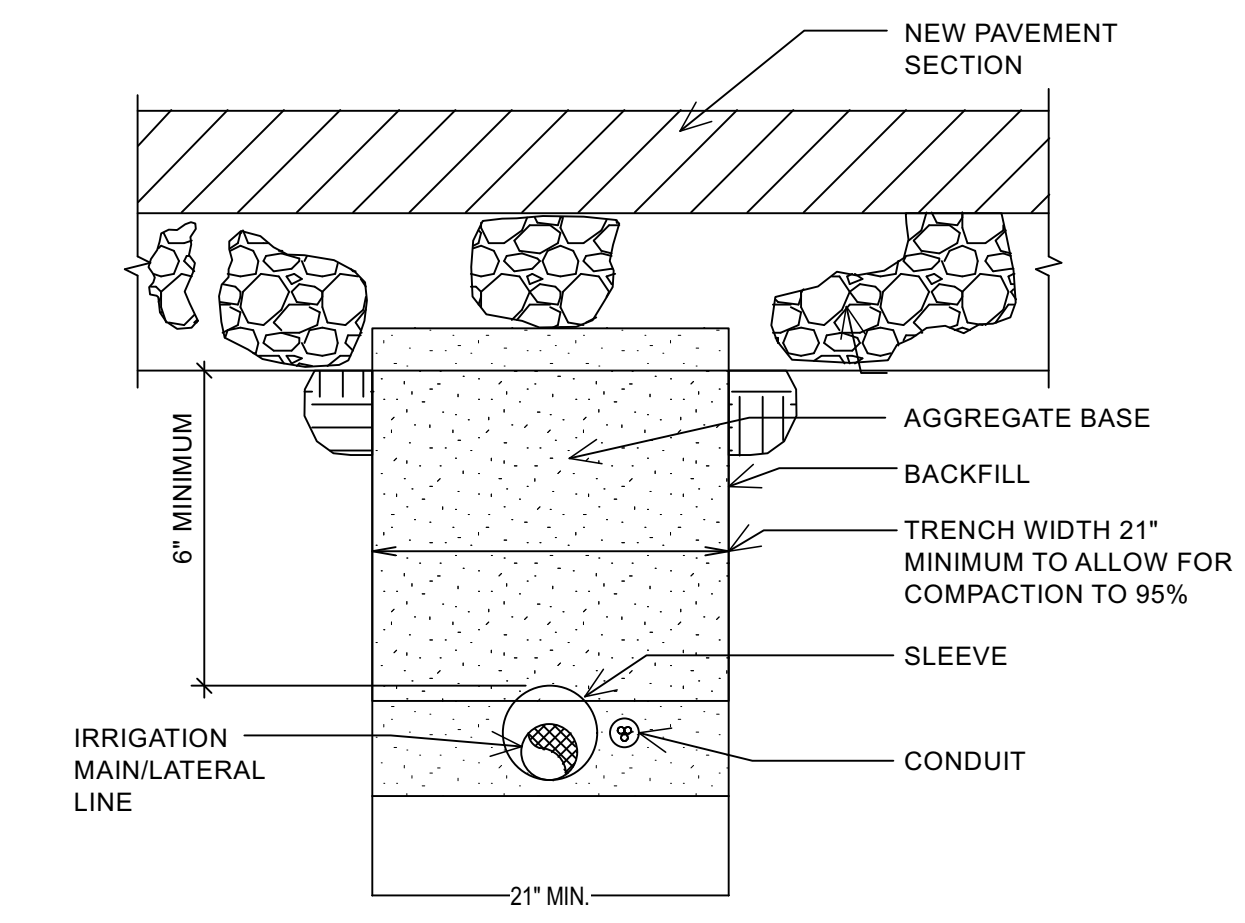
A ROTOR POP-UP HEAD
NO SCALE



B SPRINKLER HEAD OR ROTOR NEXT TO CURB OR WALK
NO SCALE

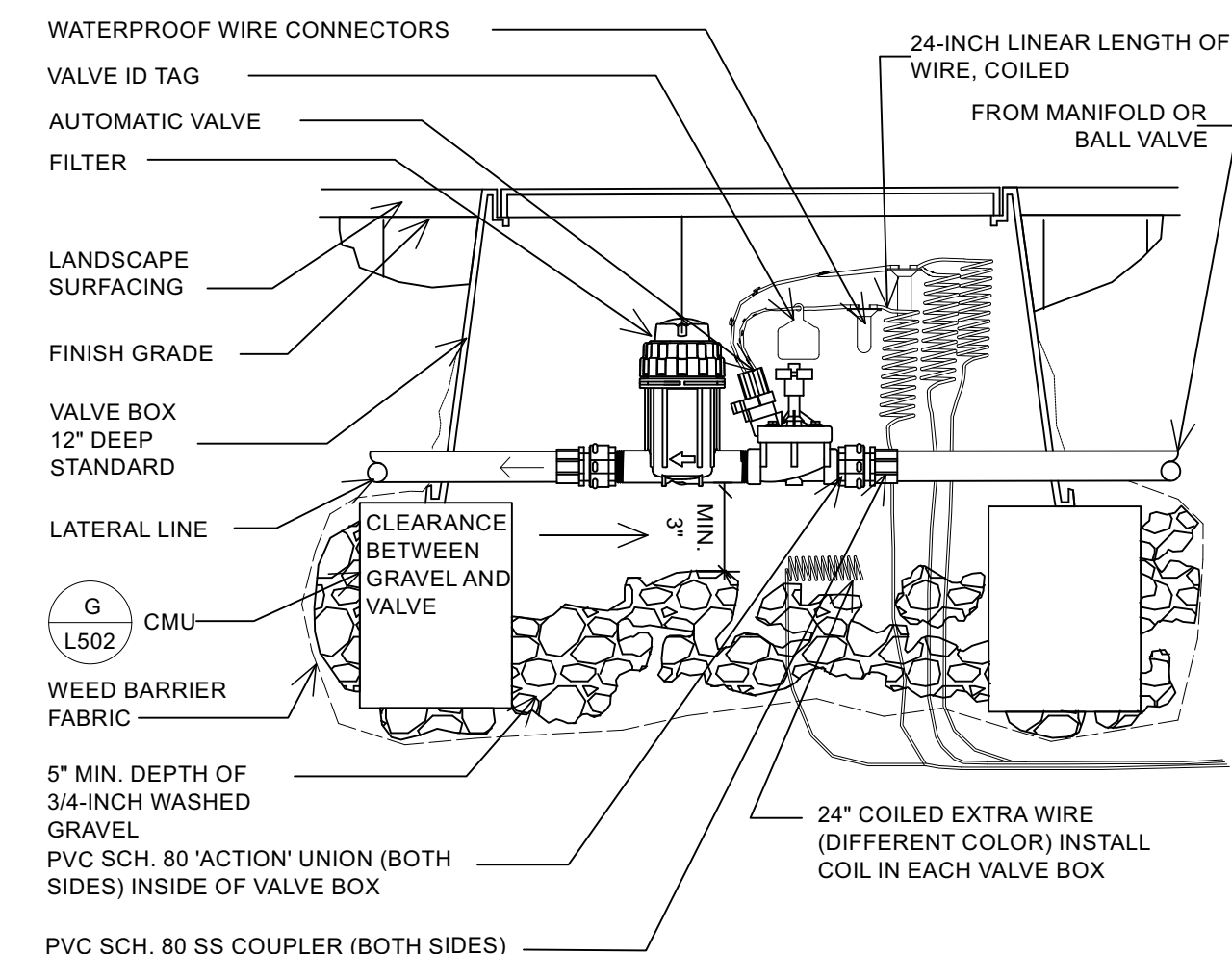


C TRENCH SECTION - CONVENTIONAL WIRE SYSTEM
NO SCALE



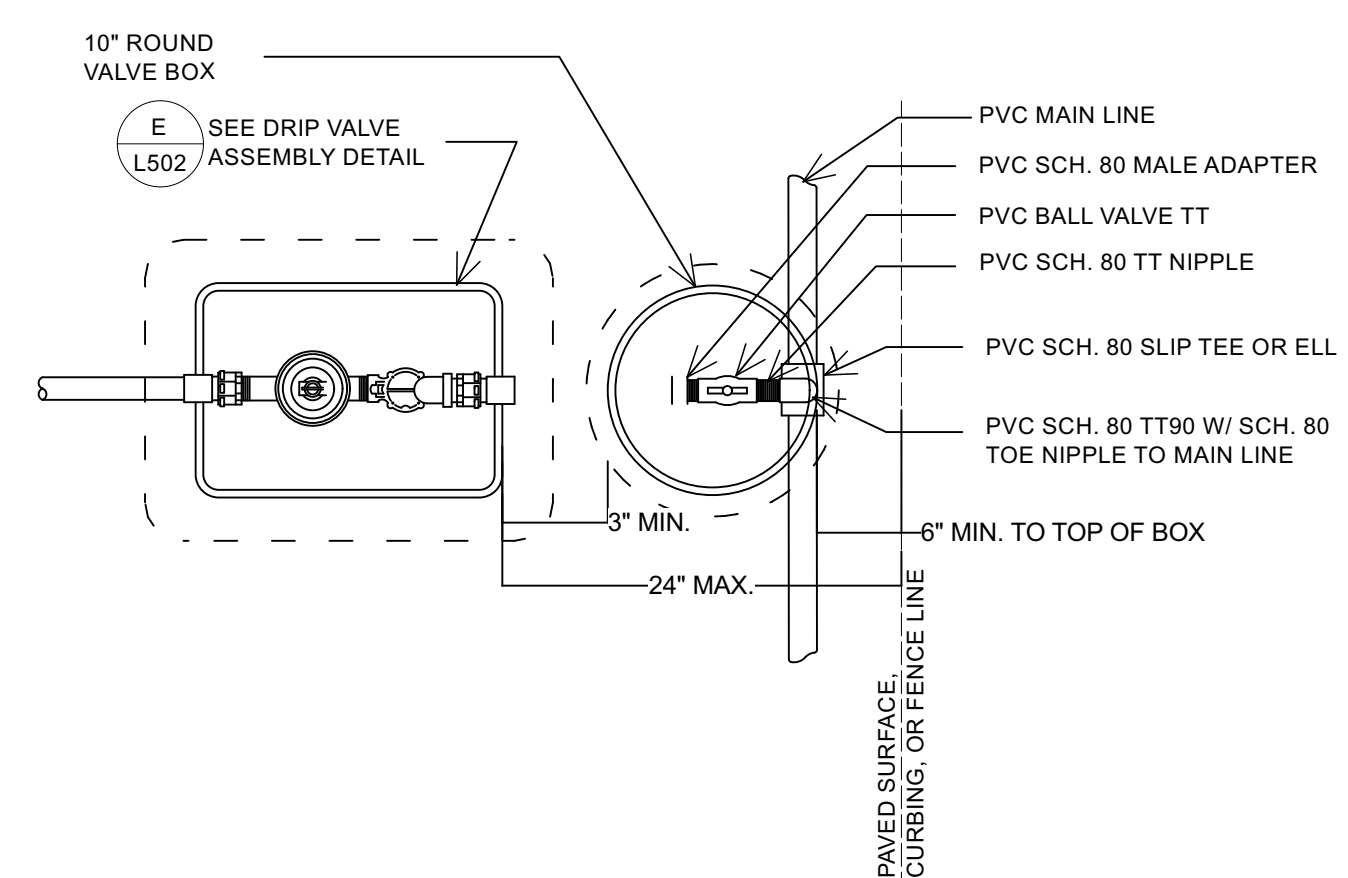
D MISC. PIPE TRENCH DETAIL NEW PAVEMENT AREAS
NO SCALE

NOTES:
 1. LIMIT 1 VALVE PER BOX.
 2. 10" MIN. LATERAL LINE DEPTH AT VALVE BOX, 12" MIN. LATERAL LINE DEPTH EVERYWHERE ELSE.
 3. PROVIDE MIN. 2" CLEARANCE BETWEEN WIRE AND CMU BLOCK.



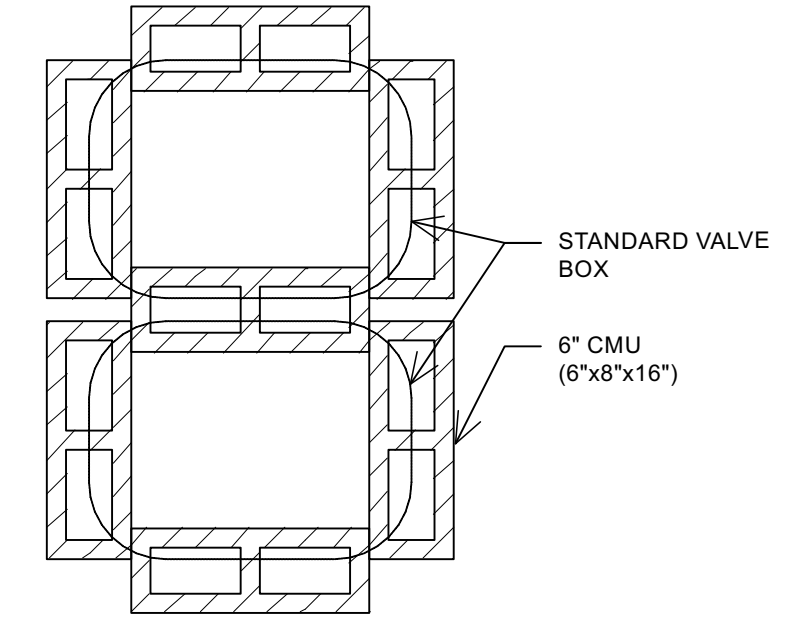
E DRIP VALVE ASSEMBLY-SECTION CONVENTIONAL WIRE SYSTEM
NO SCALE

NOTE:
 1. IF BALL VALVE IS INCLUDED WITH DRIP ZONE KIT, INCLUDE ENTIRE KIT WITHIN ONE BOX. REMOVE ROUND BOX. IF BALL VALVE IS PURCHASED SEPARATELY, INSTALL AS SHOWN, OR AS PER C/L502 FOR MULTIPLE DRIP VALVE ASSEMBLY.
 2. WIRING NOT SHOWN. INSTALL AS PER CONVENTIONAL OR TWO-WIRE AUTOMATIC VALVE SECTIONS

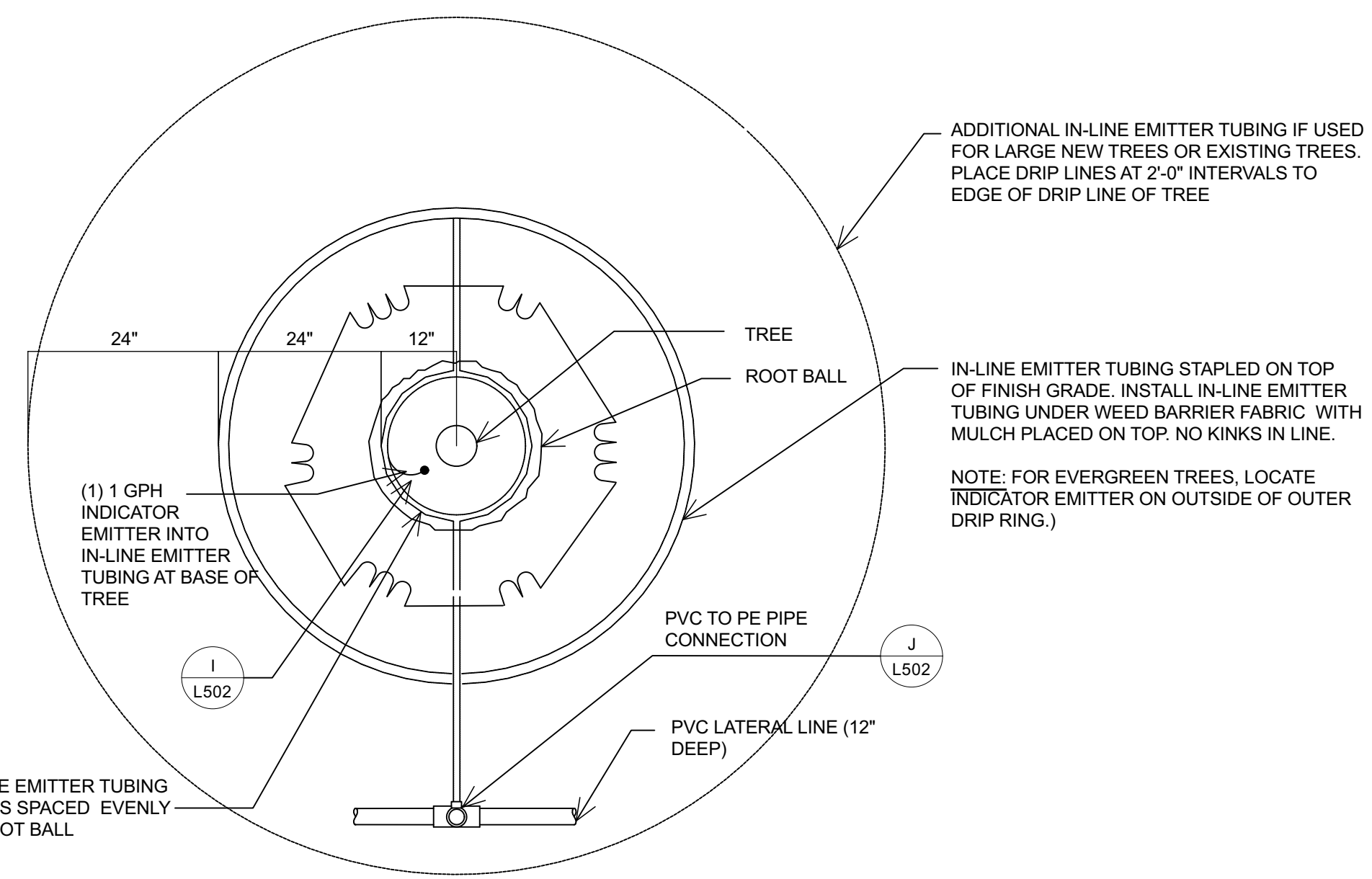


F DRIP VALVE ASSEMBLY
NO SCALE

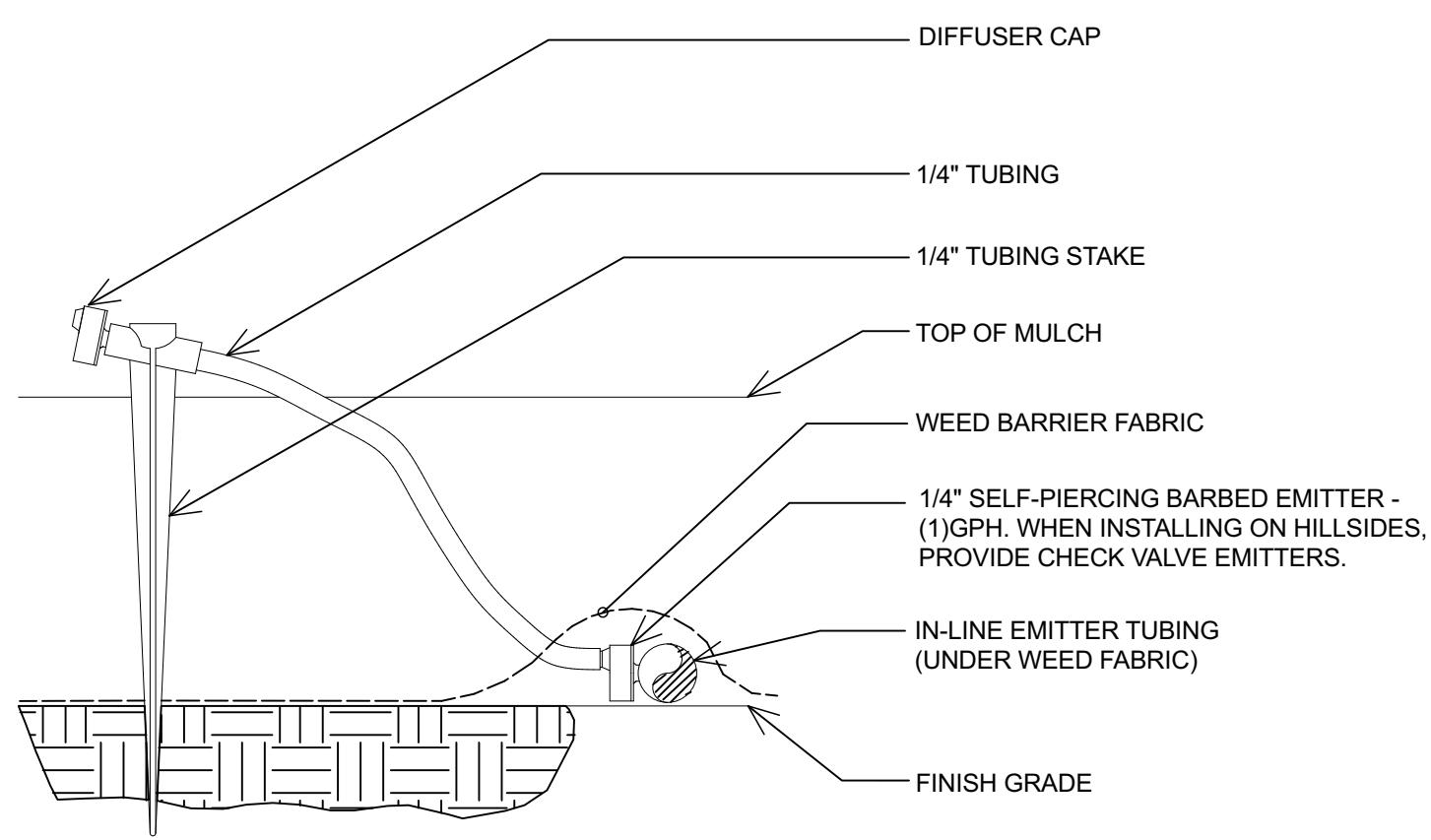
NOTES:
 1. VALVE BOX TO REST ON (4) CMU BLOCKS (ONE FOR EACH SIDE).
 2. CLUSTERED VALVE BOXES MAY SHARE A CMU BLOCK.



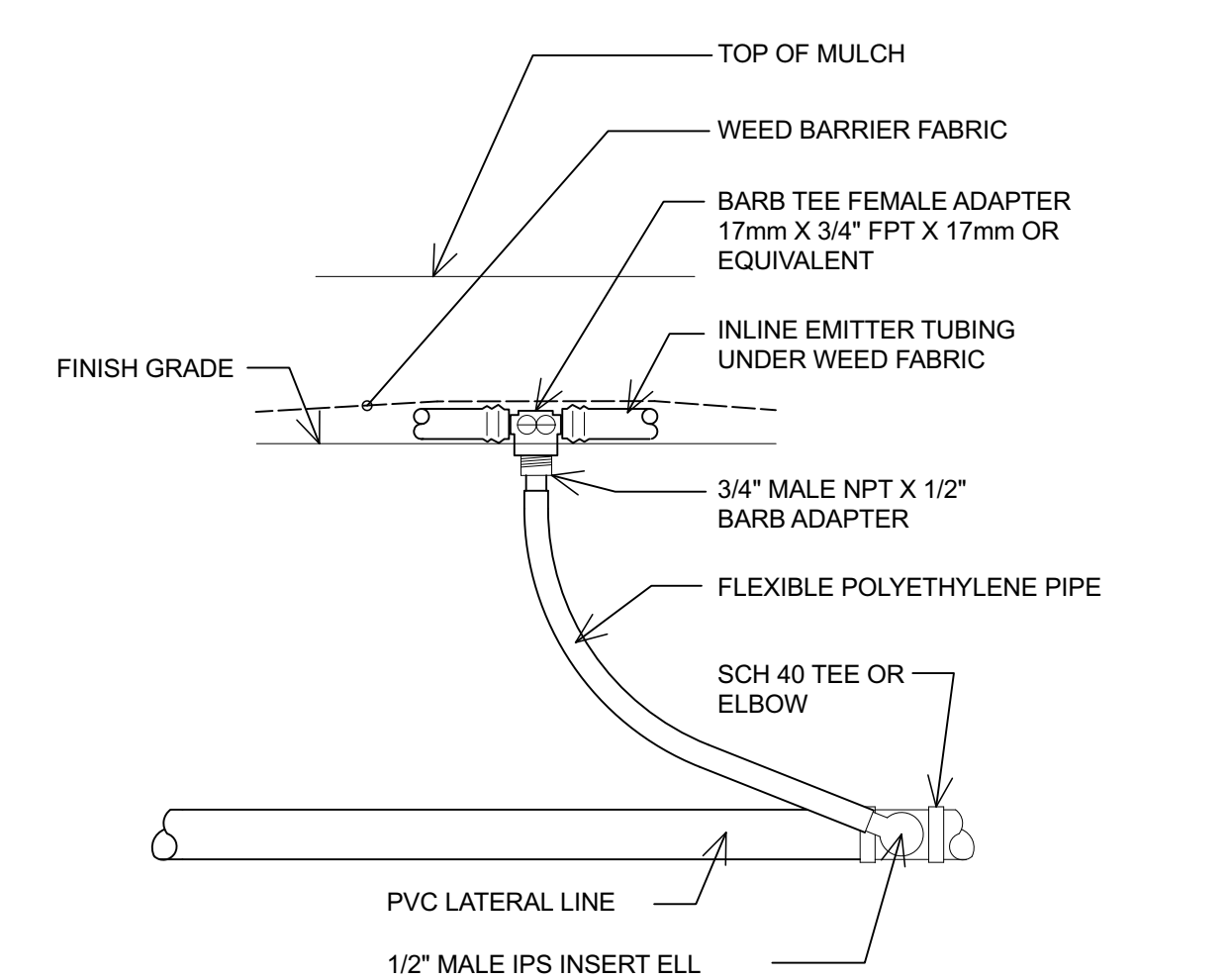
G CMU PLACEMENT
NO SCALE



H TREE DRIFT - PLAN VIEW (Planter Areas)
NO SCALE



I INDICATOR EMITTER
NO SCALE



J PVC TO IN-LINE EMITTER
NO SCALE

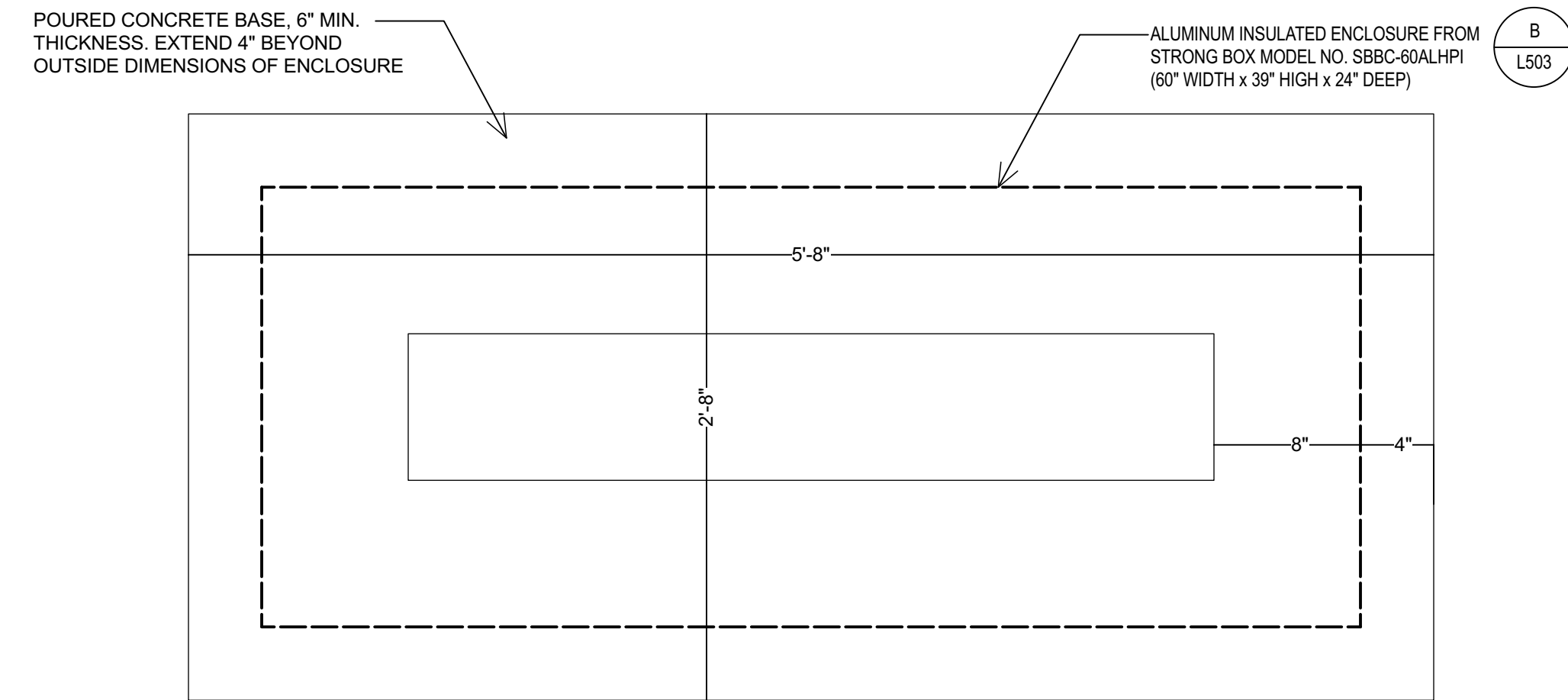
HYRUM 1, 5 PARKING EXPANSION
 125 NORTH 400 WEST
 HYRUM, UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

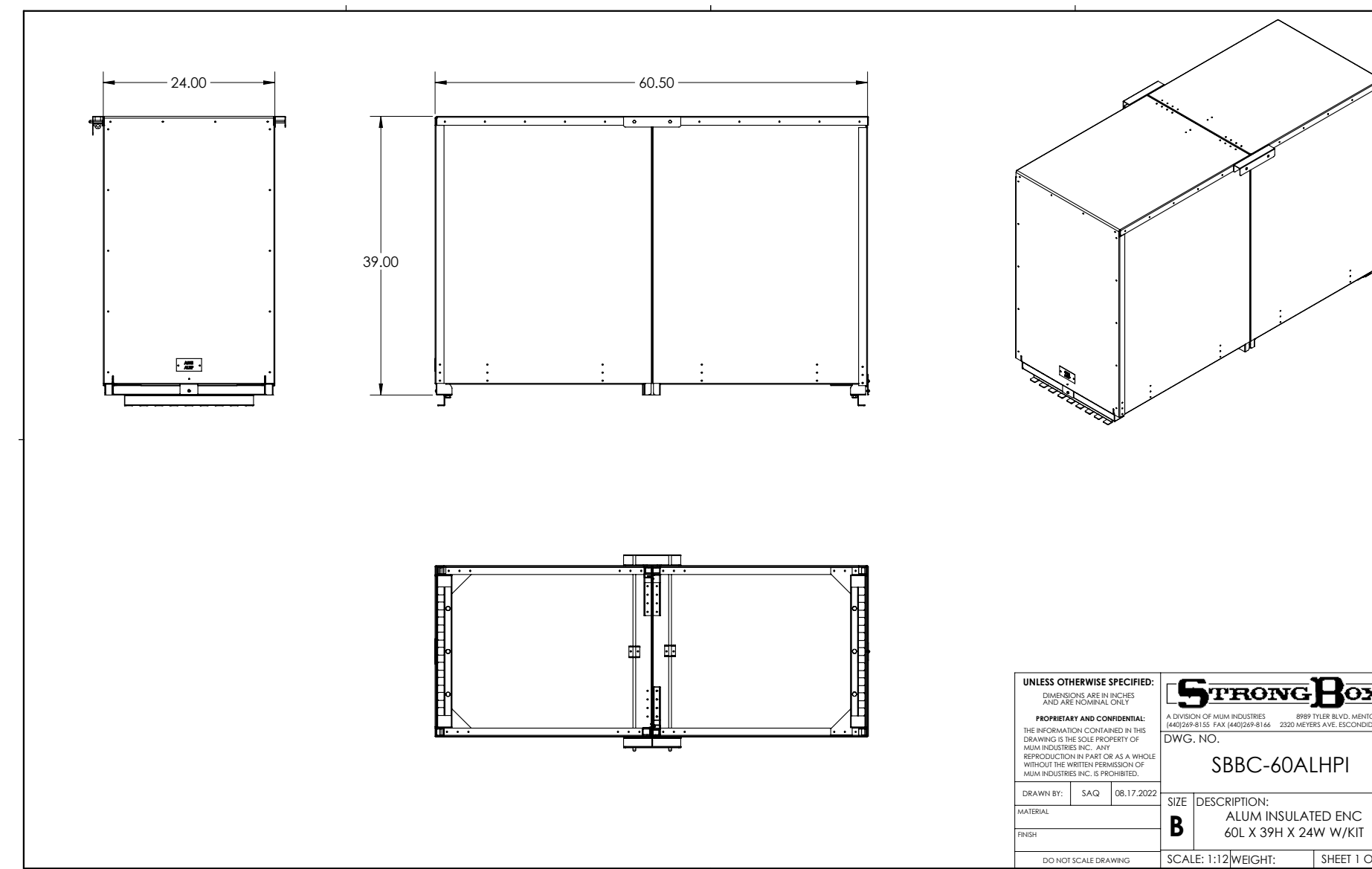
Property Number: 516-9224
 JOB NUMBER: 24072
 OWNER: LDS CHURCH
 DATE: APRIL 2024

LANDSCAPE IRRIGATION DETAILS

L502



TOP VIEW

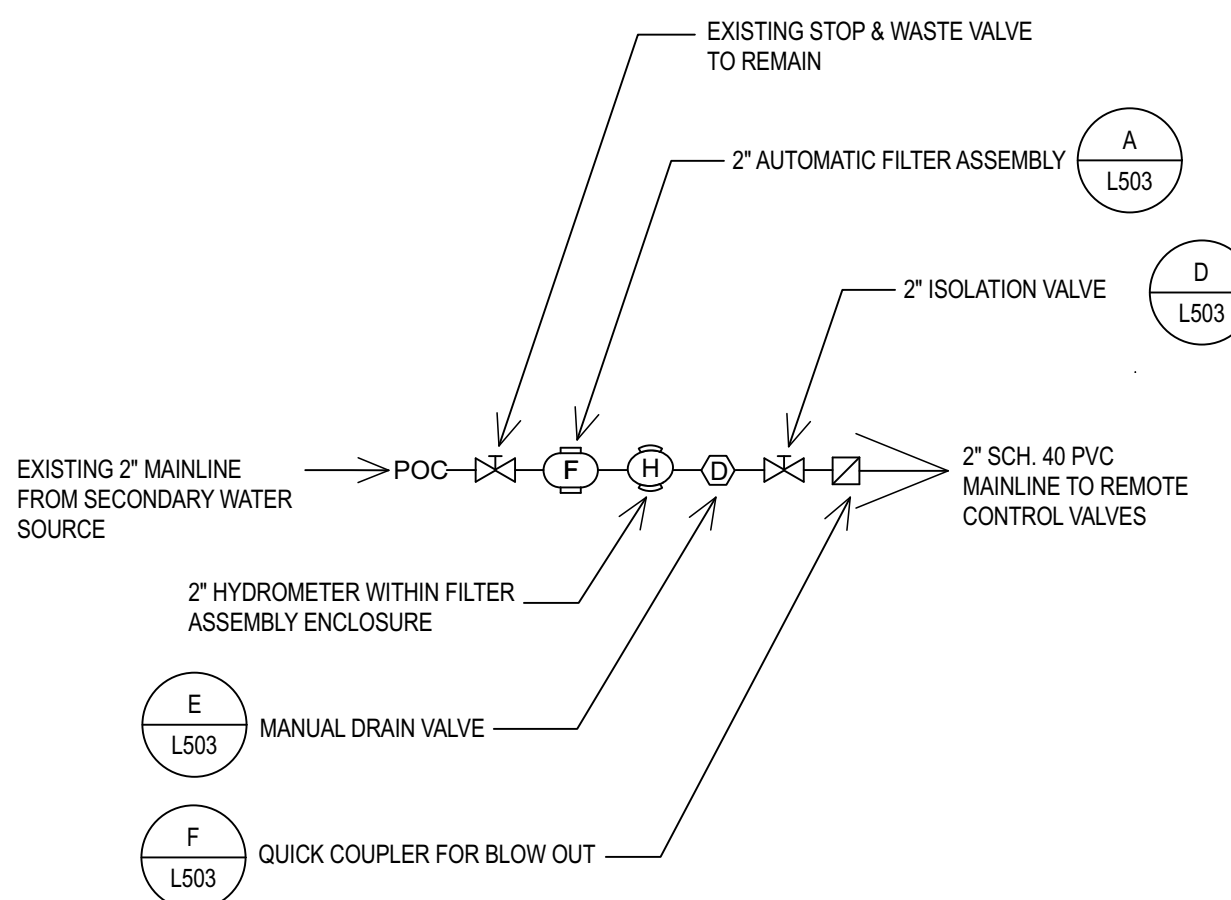


VALVES OTHERWISE SPECIFIED:	2\"/>
STRONG BOX	SBBC-60ALHPI
DESCRIPTION:	ALUMI INSULATED ENC 60L X 39H X 24W W/KIT
SCALE:	1:12 (WEIGHT)
SHEET:	1 OF 1

B FILTER ASSEMBLY ENCLOSURE

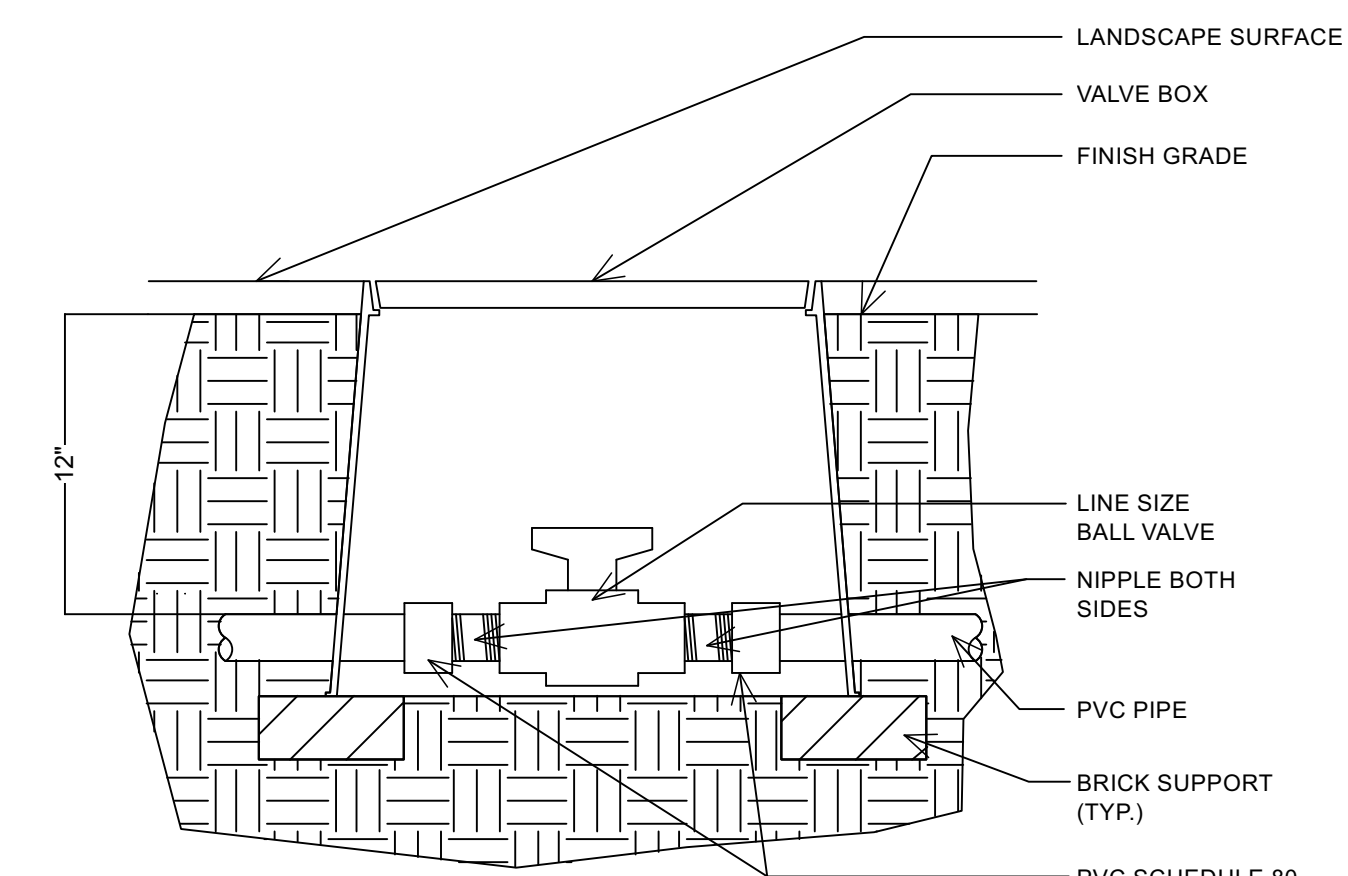
NO SCALE

NOTE:
 INSTALL ISOLATION VALVE AFTER THE HYDROMETER AND BEFORE THE QUICK COUPLER. THE FLOW SENSOR, MASTER VALVE, AND FILTER ASSEMBLY IS TO BE DRAINED MANUALLY.



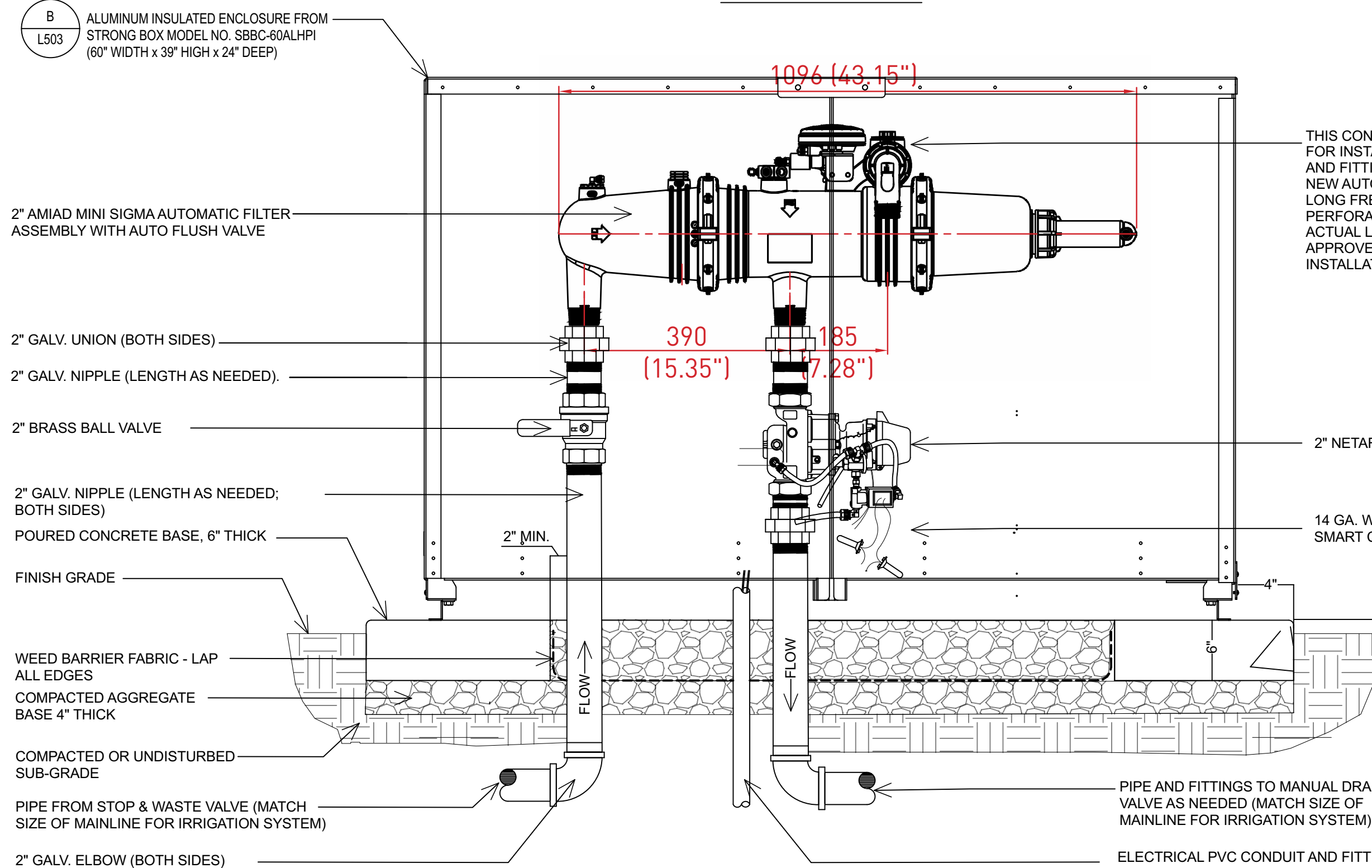
C POC SCHEMATIC LAYOUT

NO SCALE



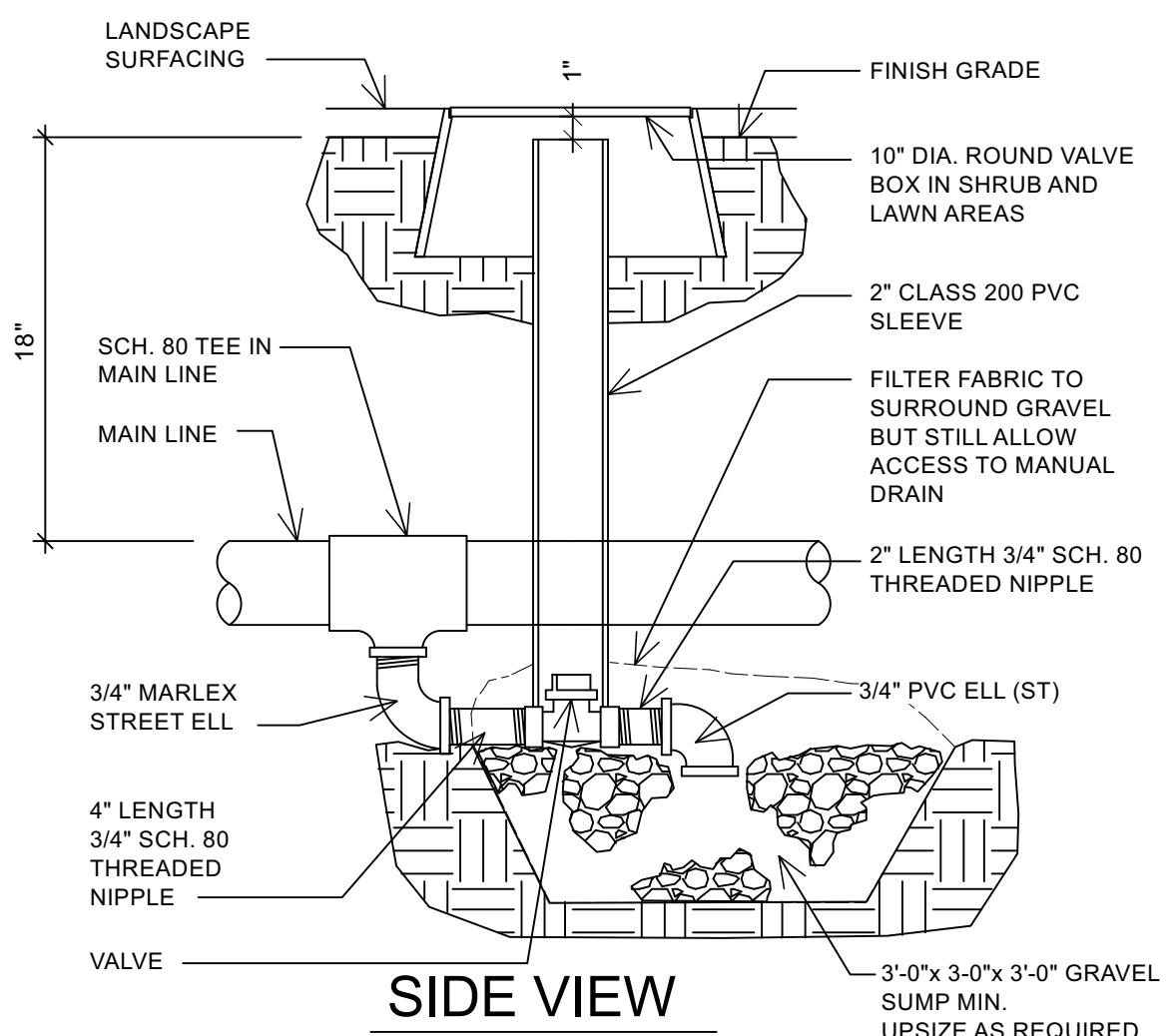
D ISOLATION VALVE

NO SCALE

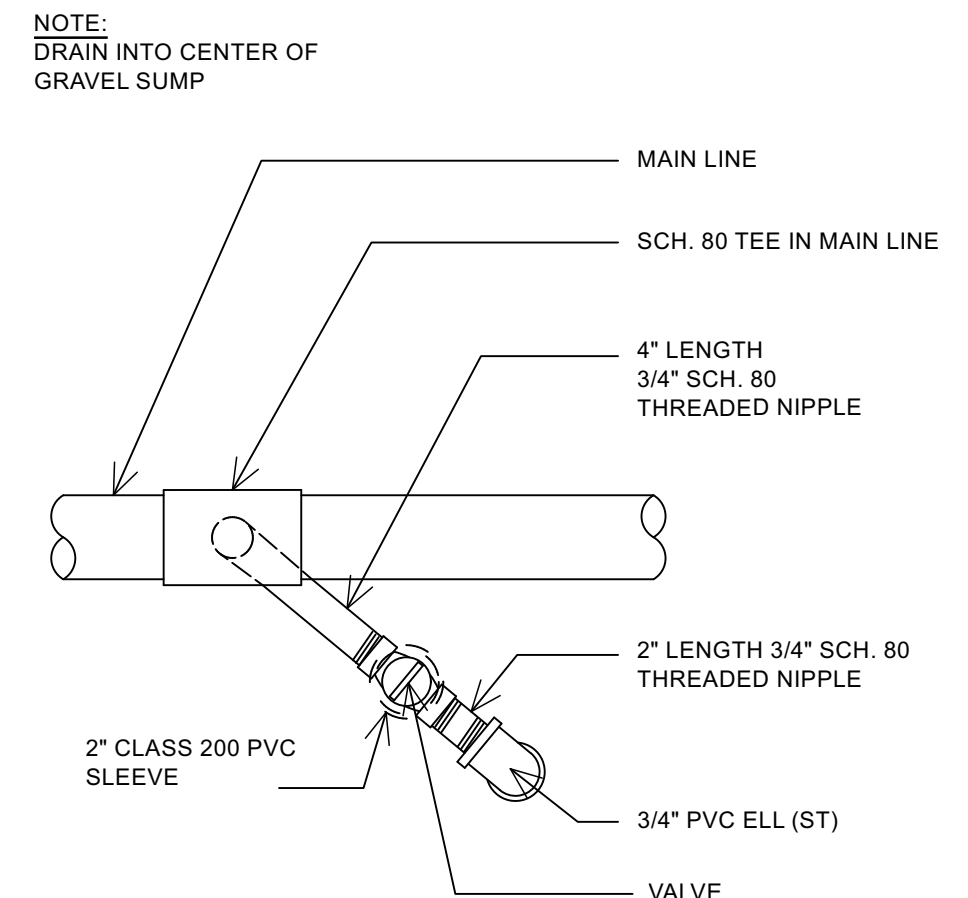


A AUTOMATIC FILTER ASSEMBLY WITH HYDROMETER

NO SCALE



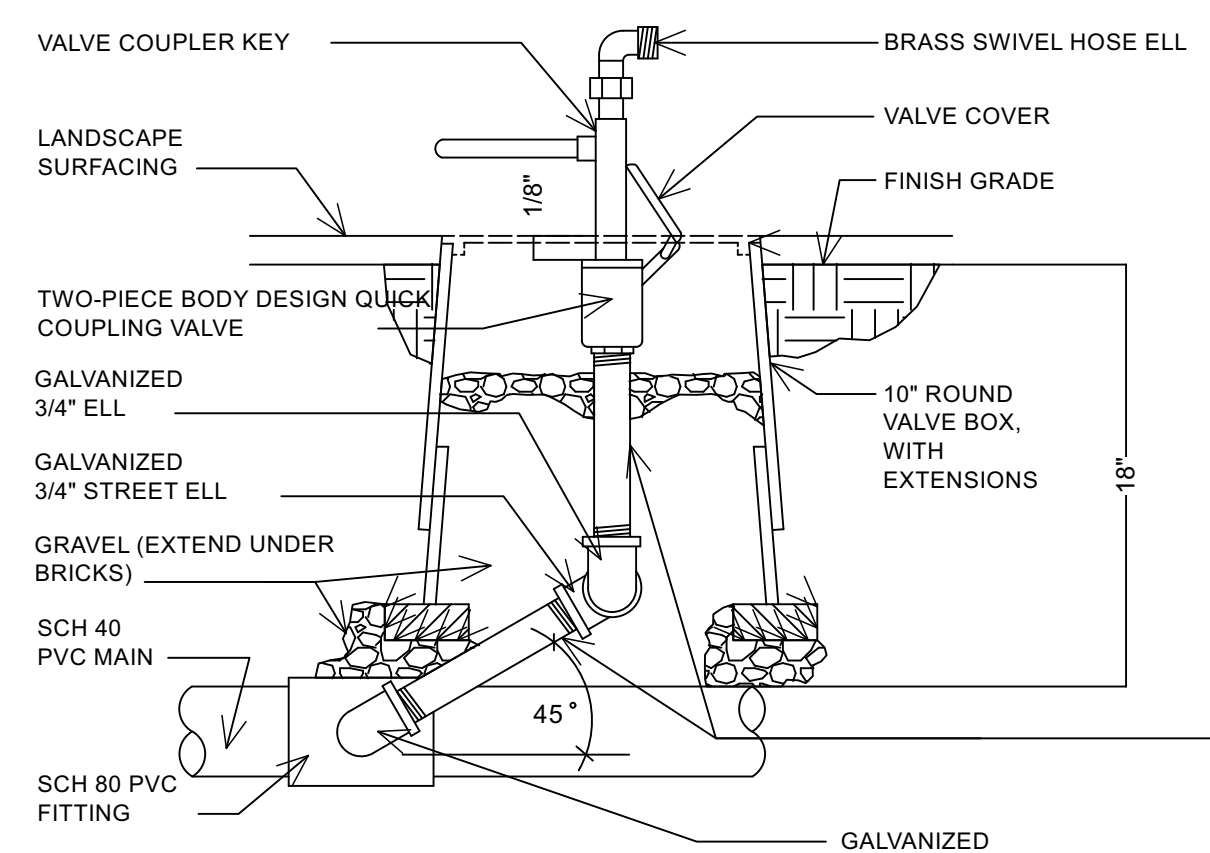
SIDE VIEW



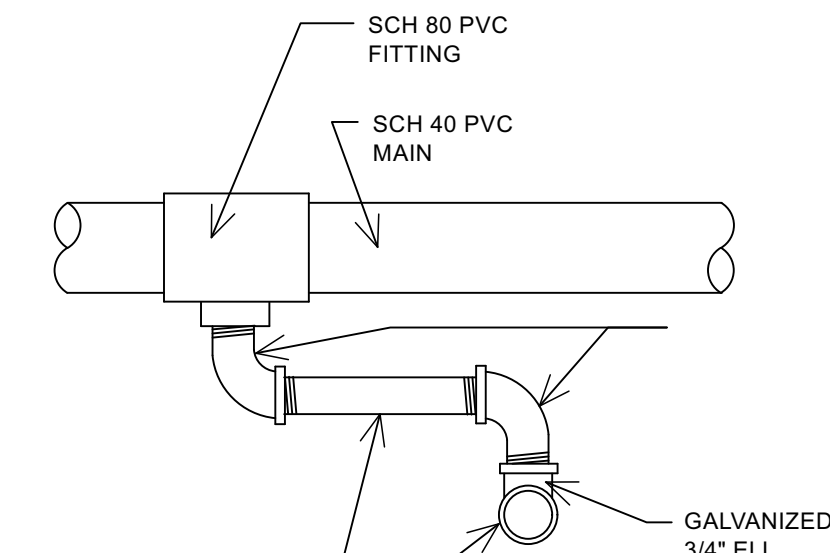
TOP VIEW

E MAIN LINE MANUAL DRAIN VALVE

NO SCALE



SIDE VIEW



TOP VIEW

F QUICK COUPLING VALVE

NO SCALE

HYRUM 1, 5 PARKING EXPANSION
 125 NORTH 400 WEST
 HYRUM, UTAH

Project For:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

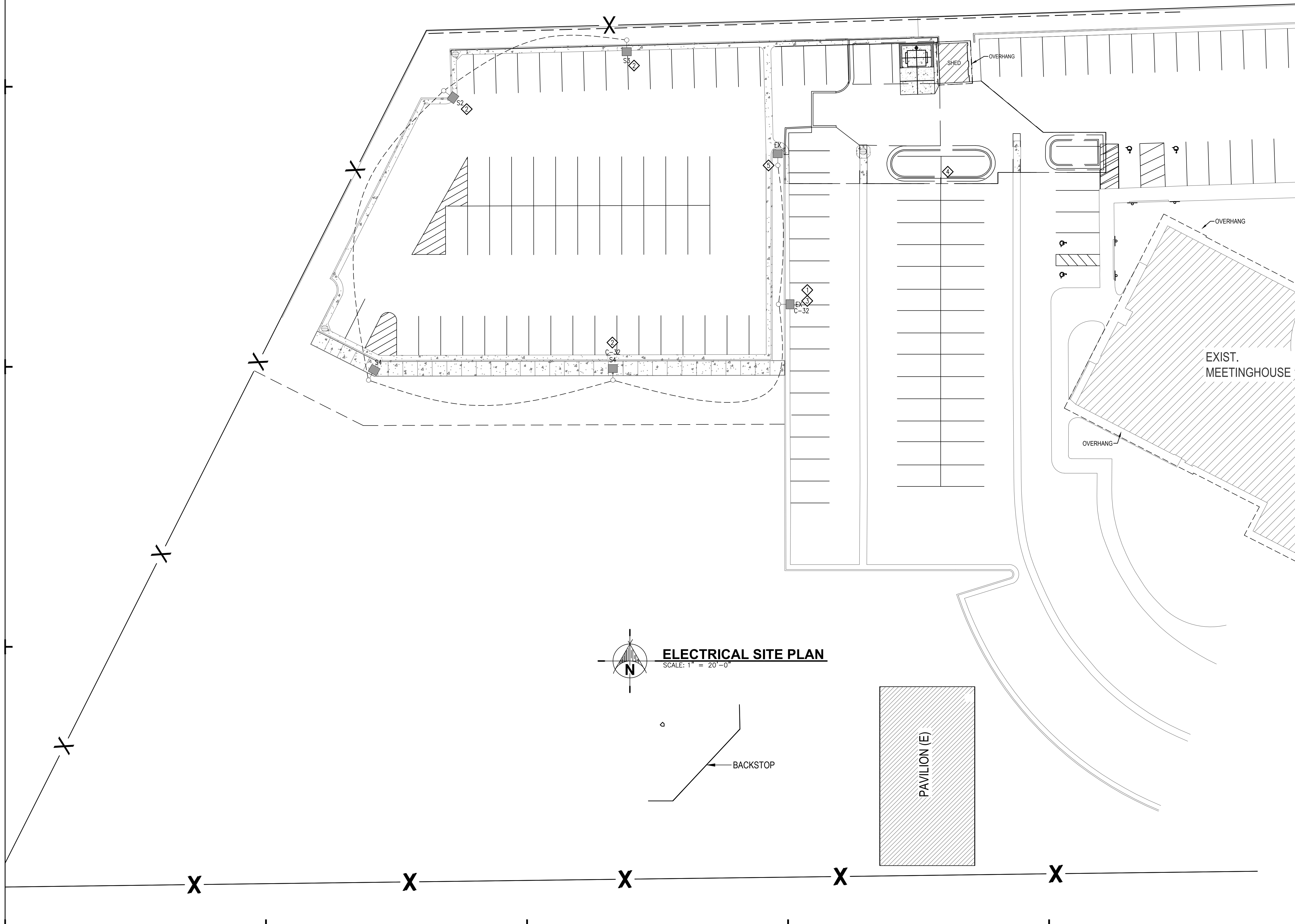
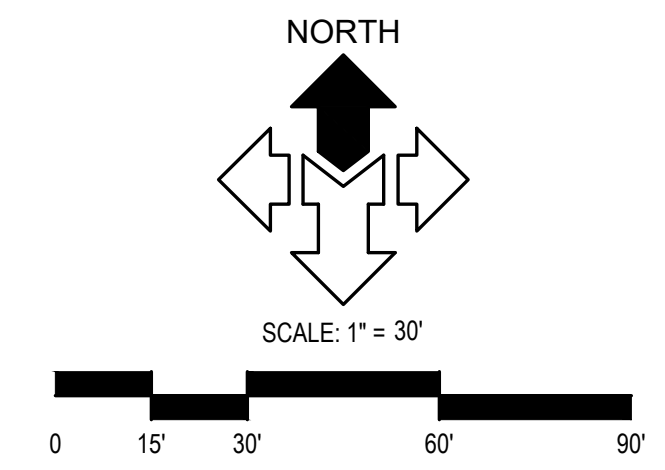
Property Number:
 516-9224
 JOB NUMBER: 24072
 OWNER: LDS CHURCH
 DATE: APRIL 2024
 REV DATE DESCRIPTION

LANDSCAPE IRRIGATION DETAILS

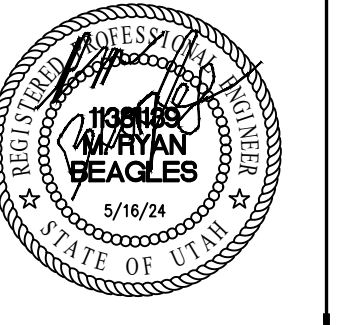
L503

ELECTRICAL KEYED NOTES:

- ◆ CONNECT NEW LIGHTING TO EXISTING PARKING LIGHTING CIRCUIT. CONNECT WITH 1" CONDUIT AND #10 COPPER CONNECTORS.
- ◆ NEW POLE LIGHT TO BE EQUIPPED WITH INTEGRAL PHOTOCELL AND OCCUPANCY SENSOR FOR CONTROL.
- ◆ EXISTING LIGHTING FIXTURE.
- ◆ REMOVE AND RELOCATE EXISTING LIGHT FIXTURE.
- ◆ NEW LOCATION OF RELOCATED LIGHT FIXTURE.



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HYRUM 1, 5, 10 PARKING ADDITION

125 NORTH 400 WEST
 HYRUM, UT 84319
 HYRUM UTAH WEST STAKE

REVISIONS	DESCRIPTION

PROJECT NO: 24072
 DRAWN BY: RUL
 CHECKED BY: MRB
 DATE: 05/16/24
 PROPH 516922423010101

ELECTRICAL SITE PLAN

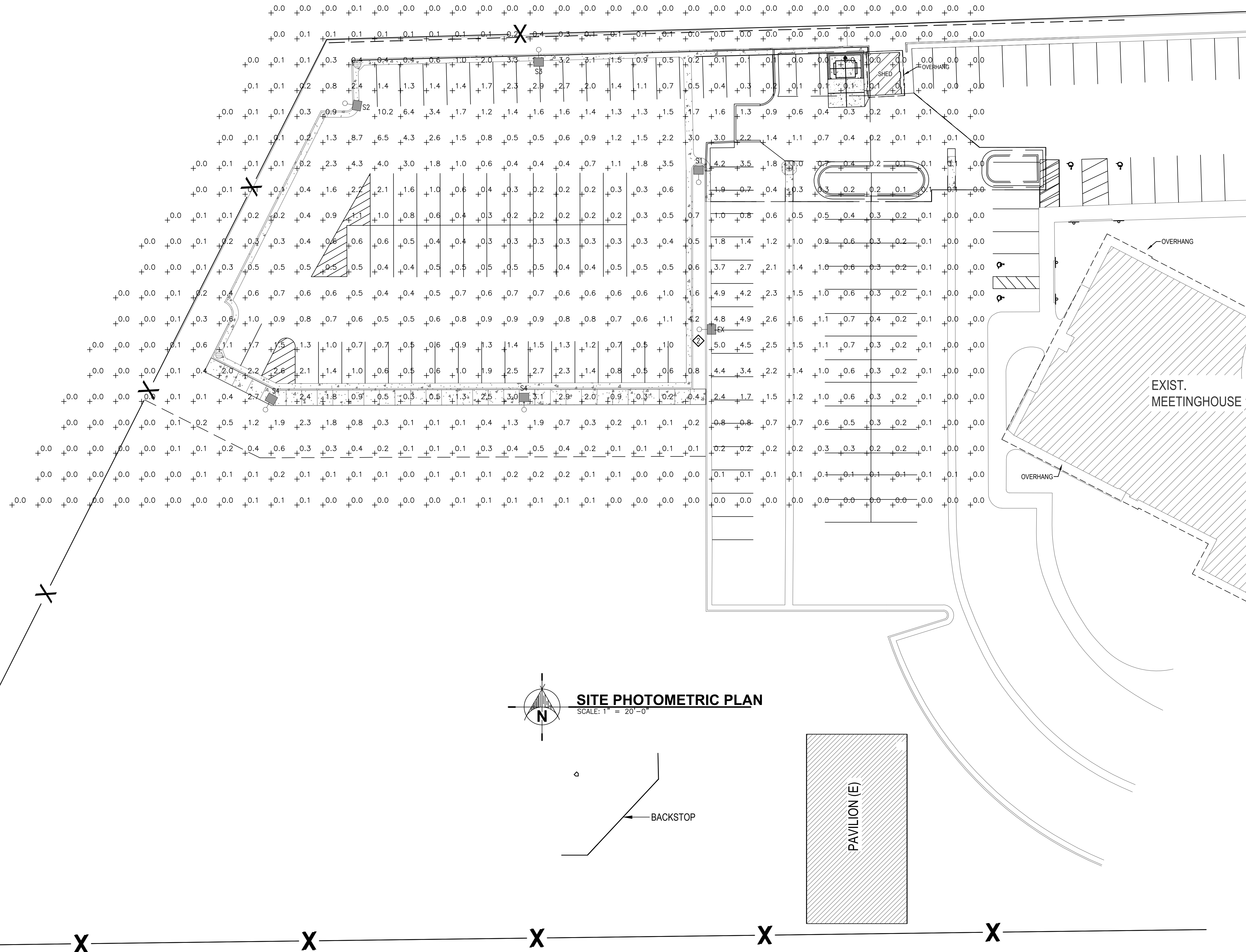
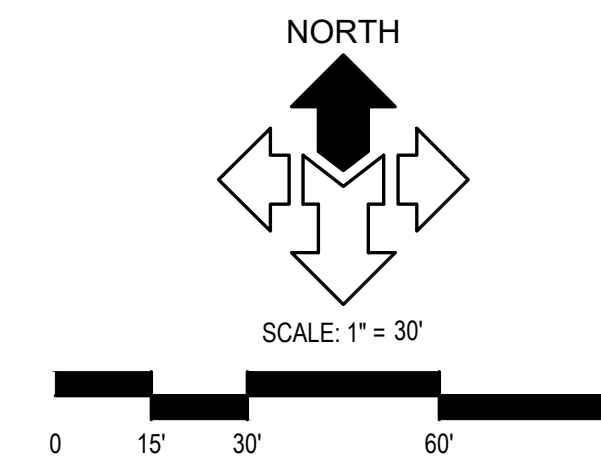
E0.2

ROYAL ENGINEERING
 ELECTRICAL 1837 S. EAST BAY BLVD. PROVO, UTAH 84606 PHONE: 801.375.2228
 MECHANICAL 1837 S. EAST BAY BLVD. PROVO, UTAH 84606 FAX: 801.375.2676
 COPYRIGHT © JOB# J24132.00 DATE PLOTTED: 05/16/2024

Blue Stakes of UTAH811
 NOTICE!
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ELECTRICAL KEYED NOTES:

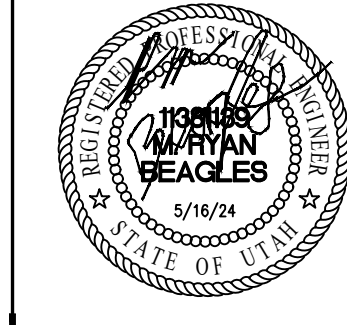
- ◇ ILLUMINATION LEVELS INDICATED IN FOOT-CANDELES.
- ◇ EXISTING LIGHT FIXTURE.



SITE PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"

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HYRUM 1, 5, 10 PARKING ADDITION

125 NORTH 400 WEST
 HYRUM, UT 84319
 HYRUM UTAH WEST STAKE

REVISIONS	DESCRIPTION

PROJECT NO: 24072
 DRAWN BY: RUL
 CHECKED BY: MRB
 DATE: 05/16/24
 PROPH 516922423010101

SITE PHOTO-METRIC PLAN

E0.3

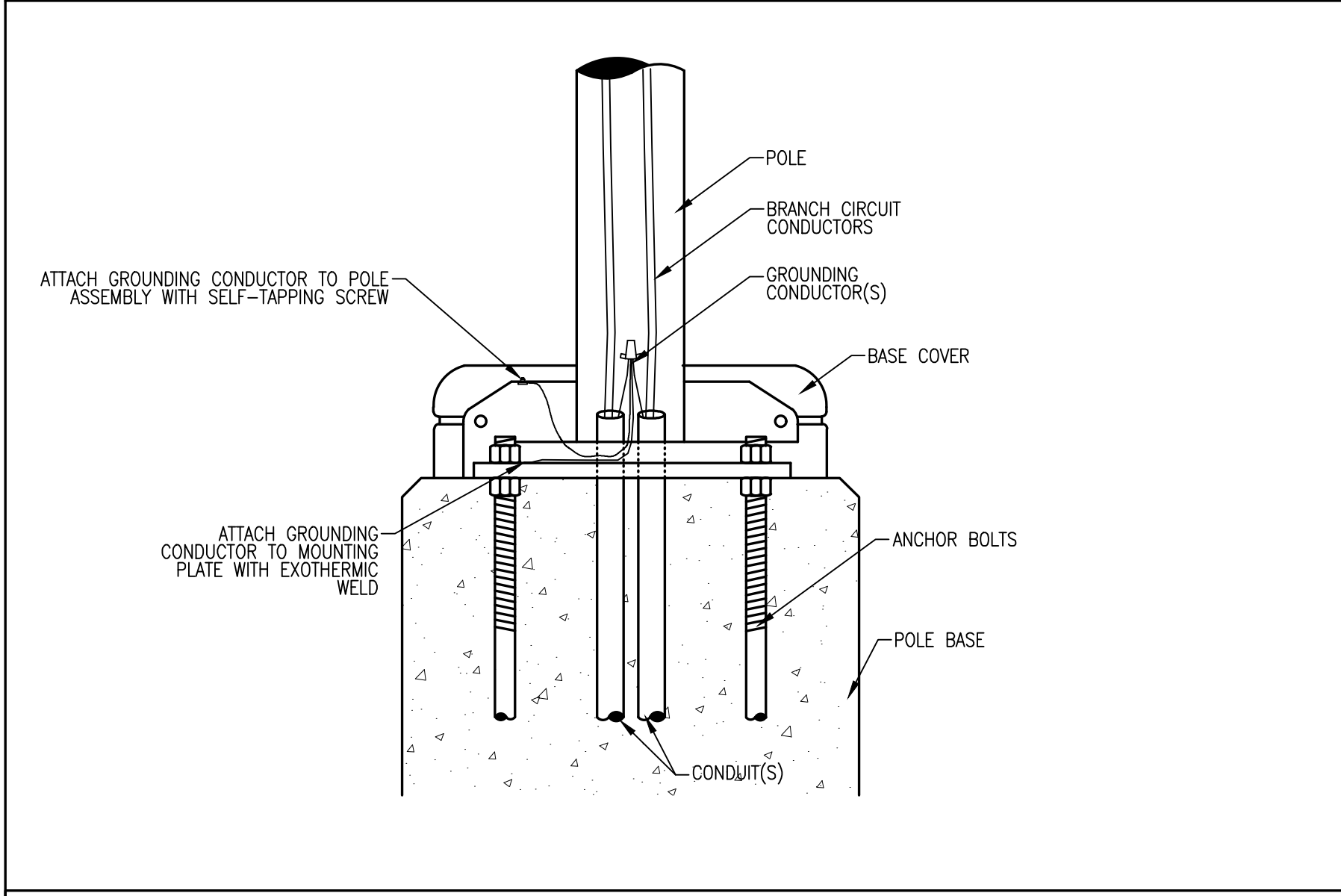
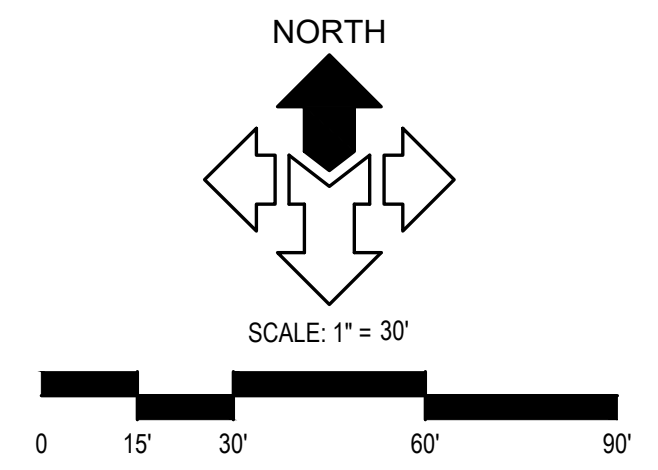
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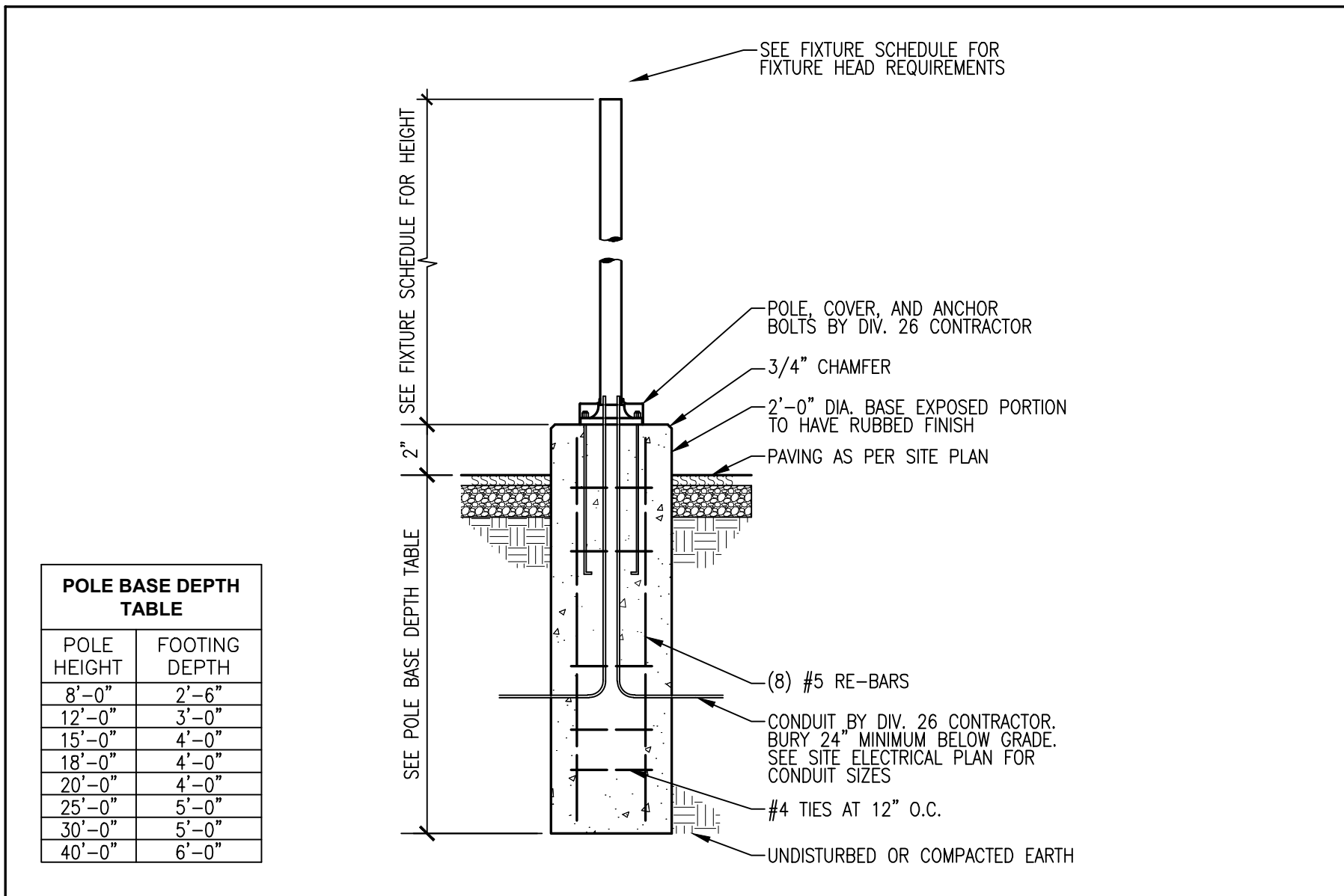


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SITE LIGHTING FIXTURE SCHEDULE													
FIXT #	MANUFACTURER	CATALOG #	FIXTURE					POLE					REMARKS
			VOLTS	#POLE	WATTS	MOUNTING	TYPE	QTY/FIXT.	MANUFACTURER	HEIGHT	CATALOG #		
S1	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T2	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPALDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-AA16-SFXXX SSS-16-40-1**SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.	
S2	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA2D-830-U-SLR	120	1	129	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPALDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-AA16-SFXXX SSS-16-40-1**SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.	
S3	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T2-HSS	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPALDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-AA16-SFXXX SSS-16-40-1**SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.	
S4	COOPER OR CHURCH APPROVED EQUAL	GLEON-SA1D-830-U-T4FT	120	1	67	POLE	LED 3,000 KELVIN 8,300 LUMENS 80 CRI	1	LITHONIA GARDCO McGRAW SPALDING LTG CMT UNITED LSI	16'-0"	SSS 16 4C SSS-16-4-11 SSS-AA16-SFXXX SSS-16-40-1**SCBA ZA16-4-0-HS-PC-BC RPSQ-16-4-11 4SQBX-S11G-16-X-4BC	FIXTURE WITH INTEGRATED PHOTOCELL AND MOTION SENSOR.	



1 POLE LIGHT GROUNDING DETAIL
SCALE: NTS



2 POLE BASE DETAIL
SCALE: NTS

POLE BASE DEPTH TABLE	
POLE HEIGHT	FOOTING DEPTH
8'-0"	2'-6"
12'-0"	3'-0"
15'-0"	4'-0"
18'-0"	4'-0"
20'-0"	4'-0"
25'-0"	5'-0"
30'-0"	5'-0"
40'-0"	6'-0"

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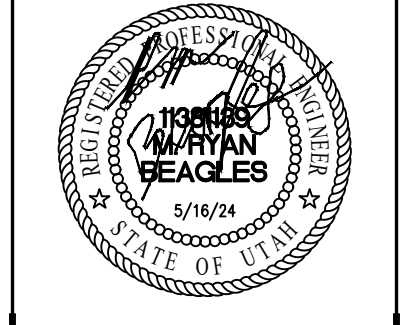
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PHONE: 801.375.2228 FAX: 801.375.2676

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HYRUM 1, 5, 10 PARKING ADDITION
125 NORTH 400 WEST
HYRUM, UT 84319
HYRUM UTAH WEST STAKE

REVISIONS	DESCRIPTION
REV	DATE

PROJECT NO: 24072
DRAWN BY: RUL
CHECKED BY: MRB
DATE: 05/16/24
PROPH 516922423010101

ELECTRICAL SCHEDULES
E6.1

