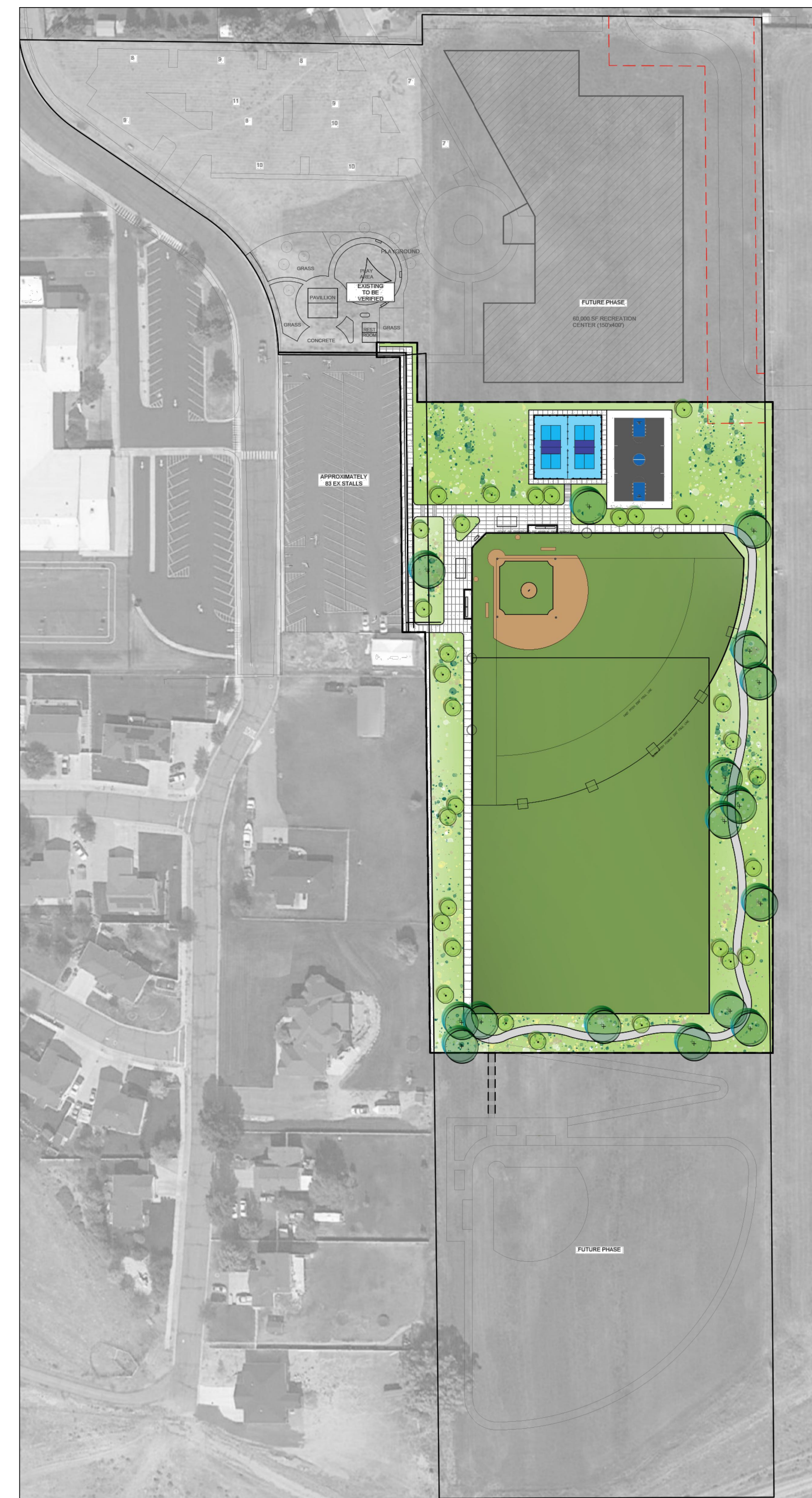


# NSSRD Outdoor Sports Complex

235 S Beacon Hill Dr,  
Coalville, UT 84017



# project team

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LI.501	IRRIGATION DETAILS/NOTES

**OWNER**  
60 N Main Street P.O. BOX 128  
Coalville, UT 84017

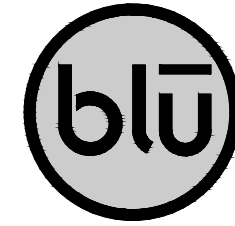
O: 435.336.3143 CONTACT: Ron Boyer  
E-MAIL: rboyer@summitcounty.org



**LANDSCAPE ARCHITECT**

blu line designs  
8719 S. Sandy Parkway  
Sandy, Utah 84070

P: 801.679.3157 CONTACT: Scott Stephens  
C: 801.318.548 E-MAIL: scott@blulinedesigns.com



**SURVEY/ CIVIL**

CMT Technical Services  
9270 S 300 W, Sandy, Utah 84070, US

O: 801.562.2521 x 112 CONTACT: Ryan Betz  
E-MAIL: ryan.betz@cmttechnicalservices.com



**ELECTRICAL ENGINEER**

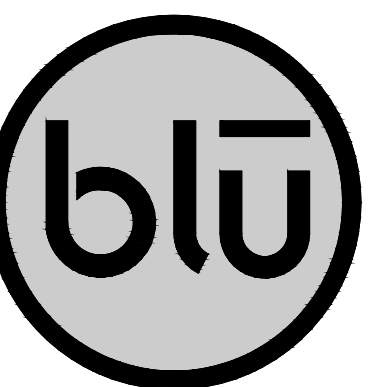
Spectrum Engineers  
324 S State St Suite 400, Salt Lake City, UT 84111

O: 801.401.8495 CONTACT: Spencer Little  
E-MAIL: scl@spectrum-engineers.com



# general notes

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND COALVILLE CITY STANDARDS, SPECIFICATIONS, AND DETAILS. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES, EASEMENTS, AND STRUCTURES SHOWN ON THE DRAWINGS ARE IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, TYPE, AND STRUCTURES TO BE ENCOUNTERED ON THE PROJECT PRIOR TO ANY EXCAVATION AND CONSTRUCTION IN THE VICINITY OF THE EXISTING UTILITIES AND STRUCTURES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL REQUIRED PERMITS, LICENSES, AND APPROVALS REQUIRED TO LEGALLY AND RESPONSIBLY COMPLETE THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, DISPOSAL, OR RELOCATION OF ALL OBSTRUCTIONS AND DEBRIS WITHIN THE DELINEATED CONSTRUCTION AREA PRIOR TO STARTING NEW CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY DEBRIS RESULTING FROM NEW CONSTRUCTION.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO EXISTING FEATURES AND FACILITIES SCHEDULED TO REMAIN AS PART OF THE FINISHED CONSTRUCTION. REPAIR, REPLACEMENT, AND/OR REMOVAL AS DETERMINED BY OWNER SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST THE TOPS OF ALL EXISTING MANHOLES, CATCH BASINS, INLETS, COVERS, AND SIMILAR STRUCTURES TO FINISH GRADE.
- THE CONTRACTOR SHALL CALL BLUE STAKES AT 1-800-662-4111 FOR UNDERGROUND UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION.
- ALL NEW UNDERGROUND UTILITIES SHALL HAVE UNDERGROUND UTILITY WARNING TAPE. INSTALL UNDERGROUND UTILITY WARNING TAPE A MAXIMUM OF 12 INCHES ABOVE THE UTILITY PIPE CROWN.
- TAPE SHALL BE A MINIMUM 3 INCH WIDTH. TAPE SHALL BE ACID AND ALKALI RESISTANT, REINFORCED FOR 100 LB. TENSILE STRENGTH AND METALLIC SUCH THAT THE TAPE CAN BE DETECTED WITH A STANDARD SURVEY-TAPE METAL DETECTOR TO A DEPTH OF 6 FEET. TAPE COLORS SHALL BE BLUE FOR WATER AND GREEN FOR SEWER. IMPRINT WITH THE WORD 'CAUTION' AT A MAXIMUM OF 2 FOOT INTERVALS, IDENTIFYING THE UTILITY LINE BEING PROTECTED, IRRIGATION MAINLINES INCLUDED.
- THE PROJECT SHALL NOT BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT, AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS.
- CONTRACTOR SHALL ROUGH GRADE TO WITHIN +/- A TENTH OF A FOOT FROM FINISH GRADE UNLESS OTHERWISE NOTED.
- ALL SPOT ELEVATIONS ARE FINISH GRADE UNLESS OTHERWISE NOTED.
- ALL CLARIFICATIONS OF DISCREPANCIES BETWEEN THE DRAWINGS AND THE SITE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING OF WORK.
- CROSS SLOPES ON ALL NEW HARDSCAPE AND PAVEMENT SHALL NOT EXCEED 2% UNLESS OTHERWISE SHOWN.
- ALL AREAS WITHIN AND AFFECTED BY THIS PROJECT SHALL HAVE POSITIVE DRAINAGE. POSITIVE DRAINAGE SHALL BE PROVIDED TO DIRECT STORMWATER AWAY FROM ALL STRUCTURES.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY SPANISH FORK CITY AND THE STATE OF UTAH.
- ALL CONSTRUCTION SHALL ADHERE TO THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORTS COMPLETED BY CMT ENGINEERING LABORATORIES INCLUDING OVER-EXCAVATION, COMPACTION, AND TREATMENT OF UNDOCUMENTED FILL. REPORTS SHALL BE PROVIDED BY THE OWNER.
- UNDER NO CIRCUMSTANCES IS THE CONTRACTOR TO EXCAVATE OR GRADE INTO THE EXISTING LEVEE. AS NECESSARY PER THE LANDSCAPE AND IRRIGATION PLANS THERE MAY BE INSTANCES WHERE FILL MATERIAL MAY BE PLACED ON TOP OF THE LEVEE.
- LAYOUT OF ALL EDGER SHALL BE REVIEWED AND APPROVED IN THE FIELD BY OWNER PRIOR TO INSTALLATION.

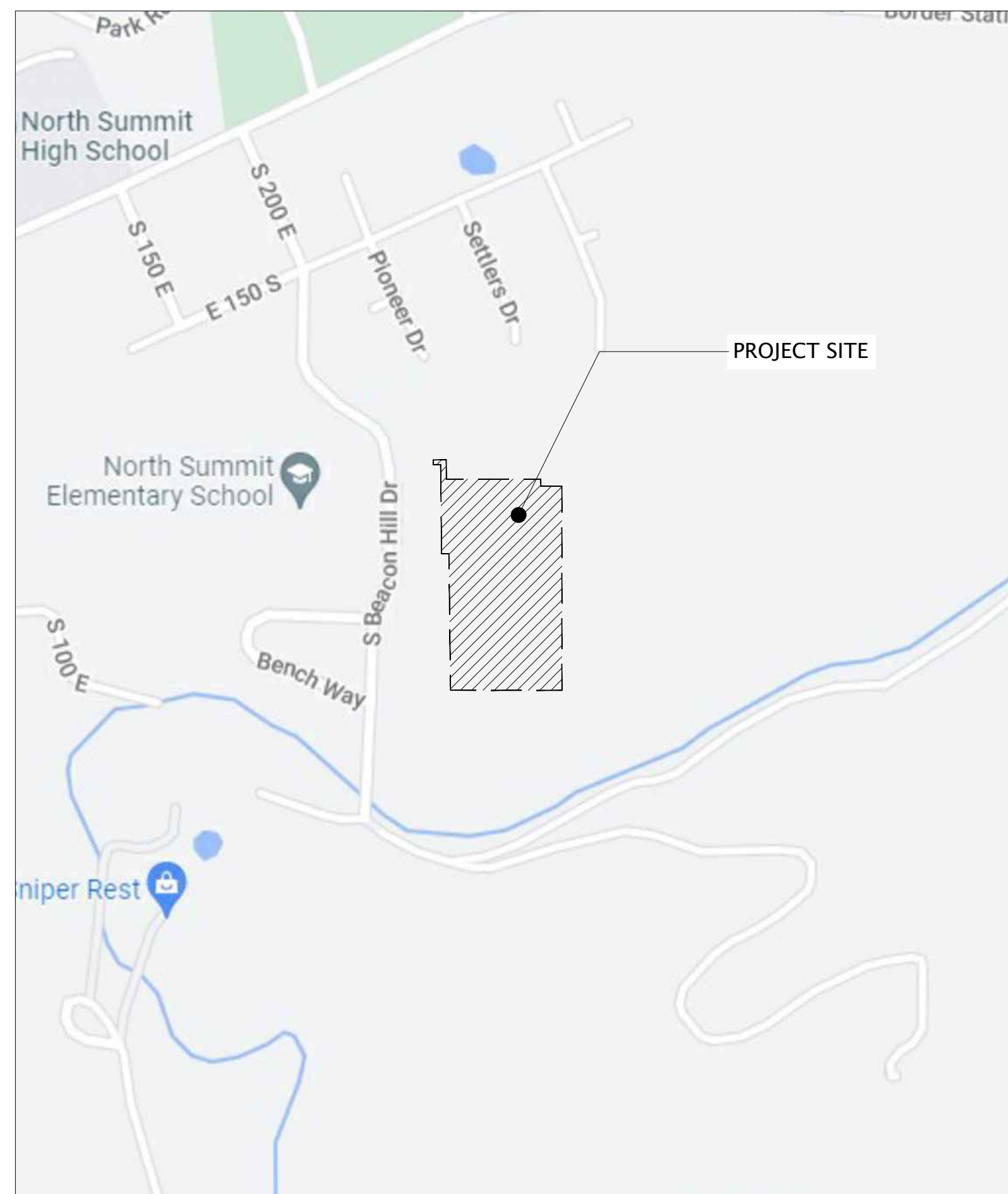


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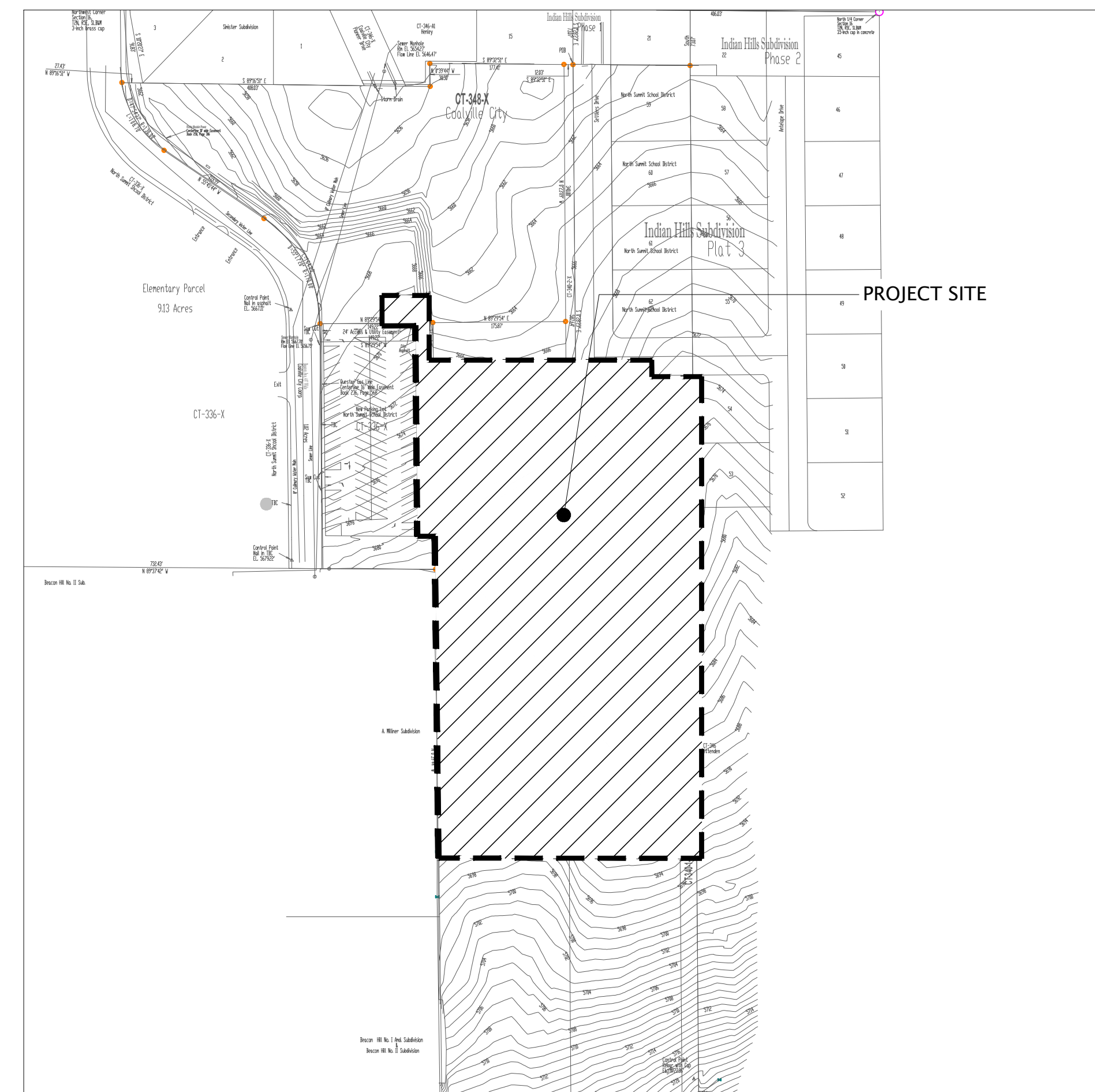
8719 S. Sandy Parkway  
Sandy, UT 84070  
p 801.913.7994

CONSULTANTS

# project location



vicinity map n.t.s.



project site n.t.s.

**NORTH SUMMIT RECREATION**  
**NSSRD OUTDOOR SPORTS COMPLEX**  
 235 S Beacon Hill Dr,  
 Coalville, UT 84017

REVISIONS

NO.	DATE	DESCRIPTION

Stamp

Designed By: SS  
 Drawn By: MTT\_BMP  
 Date: 07/19/2023  
 Checked By: CS  
 Project No: 21-252

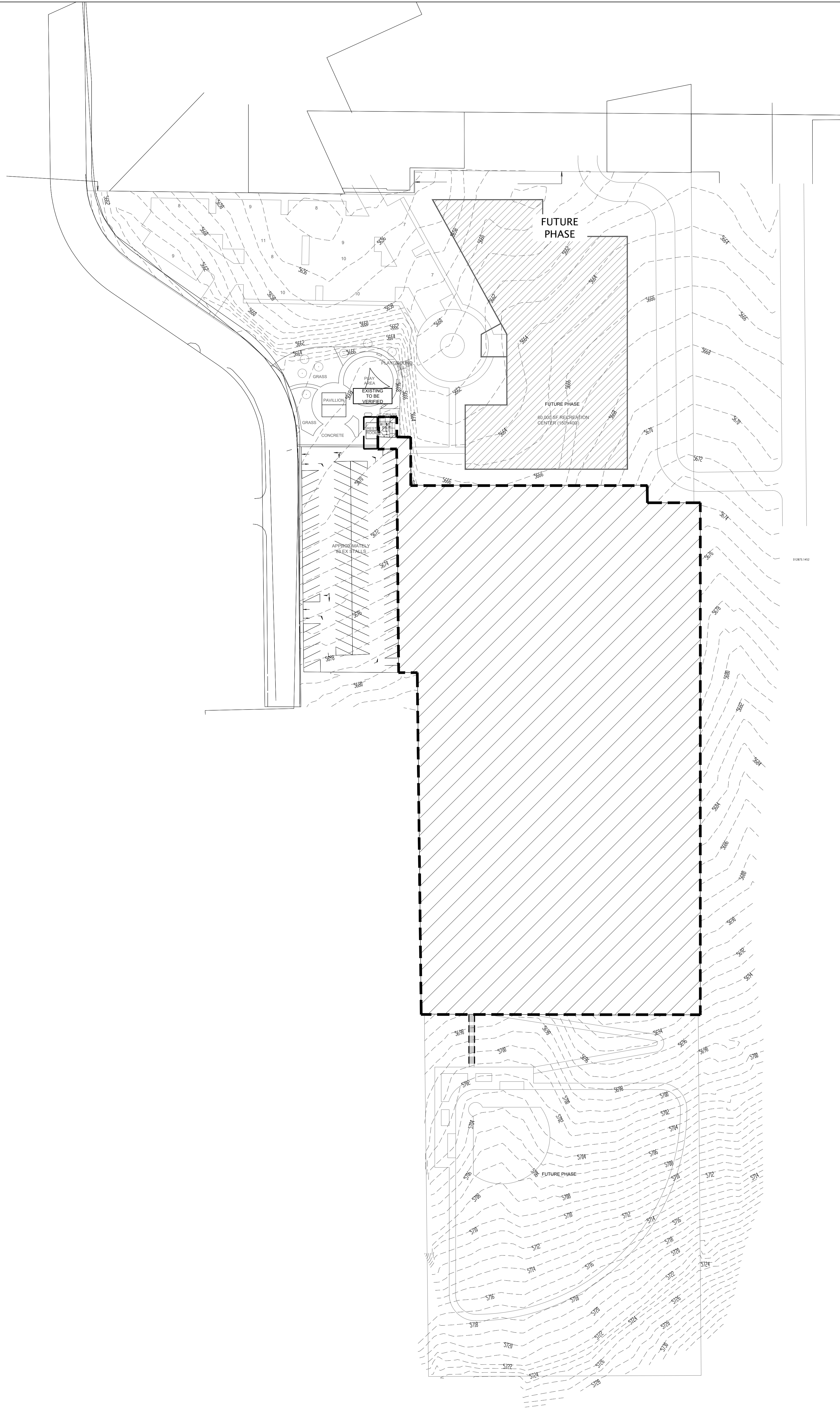
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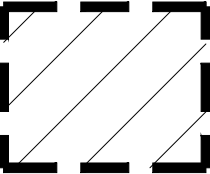

INDEX SHEET

Drawing number

L.100

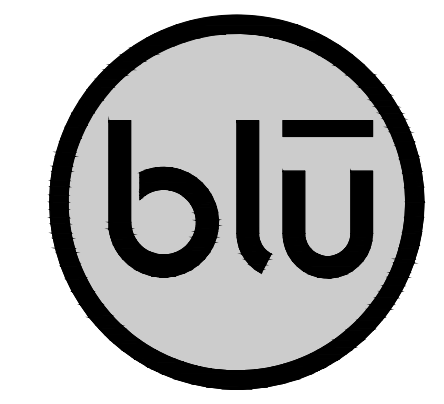
DESIGN REVIEW- NOT FOR CONSTRUCTION



- LEGEND**
-  DEMO BOUNDARY
  -  CLEAR AND GRUB TO THE DEPTH OF 6", TYP.
  -  REMOVE, AND DISPOSE OF TREES, STUMPS, LOGS, LIMBS, STICKS, VEGETATION, DEBRIS AND OTHER MATERIAL ON THE NATURAL GROUND SURFACE.

**NSSRD OUTDOOR SPORTS COMPLEX DEMOLITION NOTES:**

1. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO EXISTING FEATURES AND FACILITIES SCHEDULED TO REMAIN AS PART OF THE FINISHED CONSTRUCTION. REPAIR, REPLACEMENT, AND/OR REMOVAL AS DETERMINED BY OWNER SHALL BE AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL CLEAR, REMOVE, AND DISPOSE OF TREES, STUMPS, LOGS, LIMBS, STICKS, VEGETATION, DEBRIS AND OTHER MATERIAL ON THE NATURAL GROUND SURFACE.
3. CONTRACTOR SHALL CLEAR, REMOVE, AND DISPOSE OF TREES, STUMPS, LOGS, LIMBS, STICKS, VEGETATION, DEBRIS AND OTHER MATERIAL ON THE NATURAL GROUND SURFACE.
4. ALL CLEAN CLEARING AND GRUBBING MATERIAL (EXCLUDING DEBRIS, STUMPS, TREES, ETC.) SALVAGE AND STORE FOR REUSE.



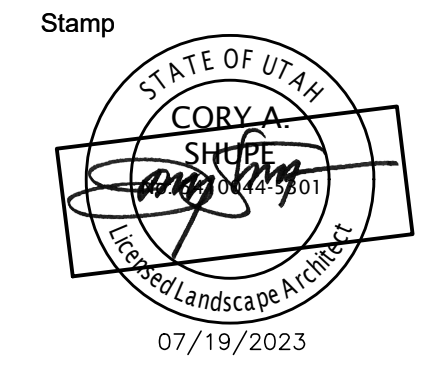
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**NORTH SUMMIT RECREATION  
 NSSRD OUTDOOR SPORTS COMPLEX**  
 235 S Beacon Hill Dr.  
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DESIGN REVIEW- NOT FOR CONSTRUCTION

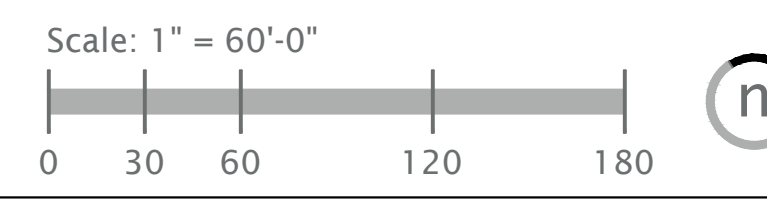
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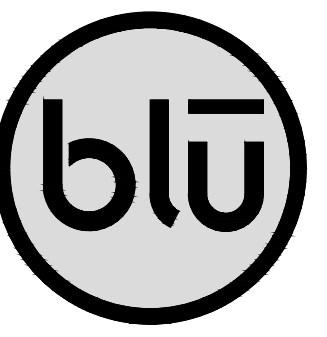


Designed By: SS  
 Drawn By: MTT\_BMP  
 Date: 07/19/2023  
 Checked By: CS  
 Project No: 21-252

Drawing Title  
**DEMO PLAN**  
 Drawing number

**LD.100**





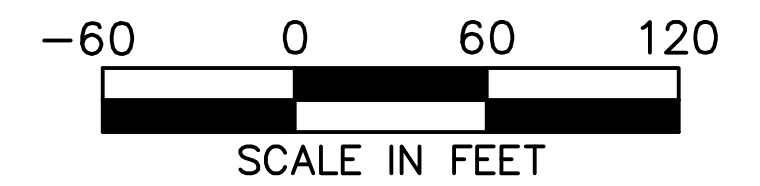
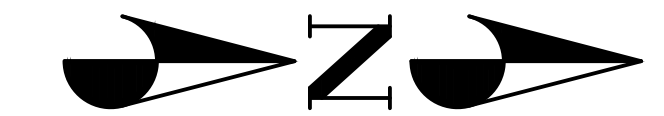
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CONSULTANTS  
CIVIL



CMT TECHNICAL SERVICES  
9270 SOUTH 300 WEST, SUITE A-2  
SANDY, UTAH 84070  
P: (801) 562-2521



**LEGEND**

---	5600	---	EXISTING 5' CONTOUR
---	5601	---	EXISTING 1' CONTOUR
---		---	EXISTING CURB & GUTTER
---		---	EXISTING SIDEWALK
---		---	EXISTING FENCE
---		---	EXISTING EDGE OF ASPHALT
---	SWR	---	EXISTING SEWER LINE
---	SD	---	EXISTING STORM DRAIN LINE
---	WR	---	EXISTING WATER LINE
---		---	EXISTING UNDERGROUND ELECTRICAL
---		---	EXISTING BUILDING PAD
---		---	EASEMENT LINE
---		---	PROJECT BOUNDARY
---		---	PROPOSED SAWCUT

**DEMOLITION NOTES**

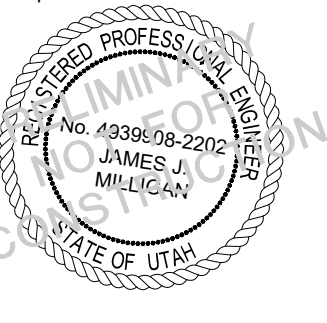
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND SPECIFICATIONS. IN THE ABSENCE OF PROJECT STANDARD AND SPECIFICATIONS APWA STANDARD AND SPECIFICATIONS SHALL GOVERN.
- CONTRACTOR SHALL RETAIN AND PROTECT ALL EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED. CONTRACTOR IS RESPONSIBLE TO REPAIR ALL SIDEWALK, PAVEMENT, GRAVEL, UTILITIES, LANDSCAPING, IRRIGATION, FENCING AND EXISTING IMPROVEMENTS DAMAGED AS PART OF CONSTRUCTION.
- SIDEWALKS AND CURBS DESIGNATED TO BE DEMOLISHED SHALL BE DEMOLISHED TO THE NEAREST EXPANSION JOINT, MATCHING THESE PLANS AS CLOSELY AS POSSIBLE.
- IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT BLUE STAKES OF UTAH PRIOR TO STARTING ANY ACTIVITIES. ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATIONS ONLY.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE. ENSURE ALL OSHA STANDARDS ARE FOLLOWED.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE, INSTALL AND MAINTAIN APPROPRIATE TRAFFIC CONTROL DEVICES, AS WELL AS ANY ADDITIONAL TRAFFIC CONTROL DEVICES THAT MAY BE REQUIRED TO INSURE SAFE AND EFFICIENT MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE WORK AREA AND TO PROVIDE MAXIMUM PROTECTION AND SAFETY TO ROAD WORKERS.
- IF DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH INDICATE AN UNIDENTIFIED SITUATION IS PRESENT, THE CONTRACTOR SHALL CONTACT THE OWNER AND ENGINEER IMMEDIATELY.



**NORTH SUMMIT RECREATION  
NSSRD OUTDOOR SPORTS COMPLEX**  
235 S Beacon Hill Dr,  
Coalville, UT 84017

**REVISIONS**

NO.	DESCRIPTION



Designed By: RPB  
Drawn By: RPB  
Date: 7/21/2023  
Checked By: JMM  
Project No: 21-252

Drawing Title

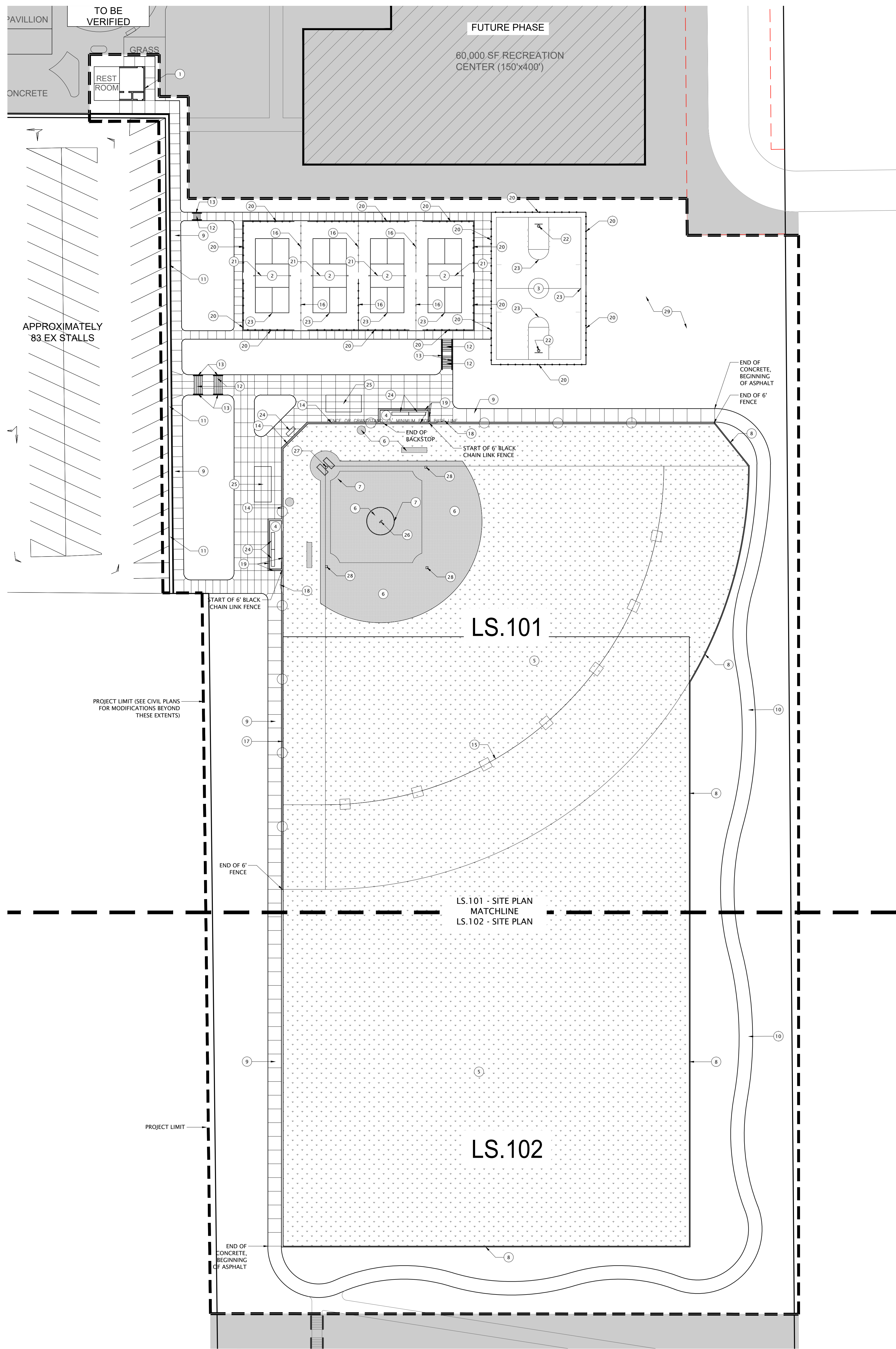
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PLAN**

Drawing Number

**C100**

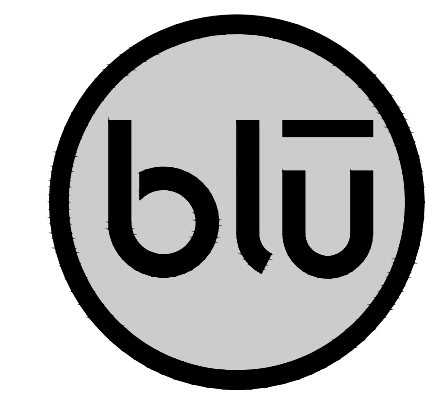
DESIGN REVIEW - NOT FOR CONSTRUCTION





REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
1	FUTURE CONCESSIONS BUILDING, EXPANSION OF EXISTING RESTROOM - CONTRACTOR TO PROVIDE SHOP DRAWINGS	
2	PICKLE BALL COURT	
3	BASKETBALL COURT	
4	DUGOUT	
5	GREEN SYNTHETIC TURF	1/LS.501
6	BROWN SYNTHETIC TURF	1/LS.501
7	WHITE STRIPING	1/LS.501
8	SYNTHETIC TURF EDGER	1/LS.501
9	8'-0" CONCRETE PATH- SEE CIVIL DRAWINGS	
10	8'-0" ASPHALT PATH- SEE CIVIL DRAWINGS	
11	CURB AND GUTTER- SEE CIVIL DRAWINGS	
12	CONCRETE STAIRS	2/LS.501
13	HANDRAIL	3/LS.501
14	BACKSTOP	
15	4' PORTABLE OUTFIELD FENCING	5/LS.501
16	4' INTERIOR PICKLE BALL FENCING	6/LS.501
17	6' BLACK CHAIN LINK FENCE	7/LS.501
18	6' BLACK CHAIN LINK DOUBLE GATE	
19	8' BLACK CHAIN LINK FENCE	8/LS.501
20	10' CHAIN LINK FENCING	8/LS.501
21	PICKLEBALL NET AND POSTS	9/LS.501
22	BASKETBALL STANDARD	10/LS.501
23	COURT STRIPING	
24	ALUMINUM BENCH	11/LS.501
25	ALUMINUM BLEACHERS	12/LS.501
26	PITCHER'S MOUND	
27	HOME PLATE	
28	REMOVABLE BASE	
29	DETENTION BASIN- SEE GRADING PLAN	

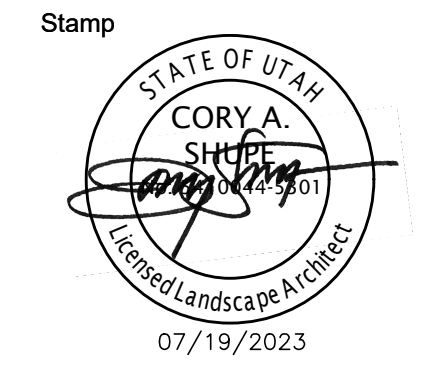


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NORTH SUMMIT RECREATION  
 NSSRD OUTDOOR SPORTS COMPLEX  
 235 S Beacon Hill Dr,  
 Coalville, UT 84017

DESIGN REVIEW- NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION

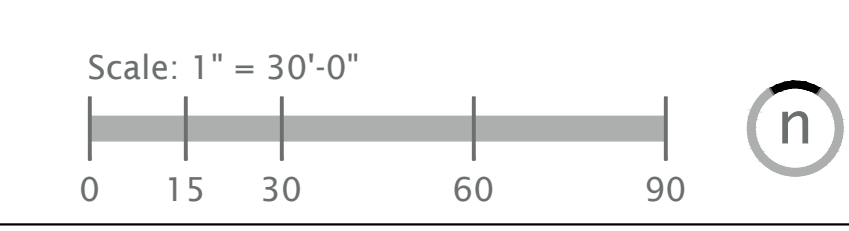


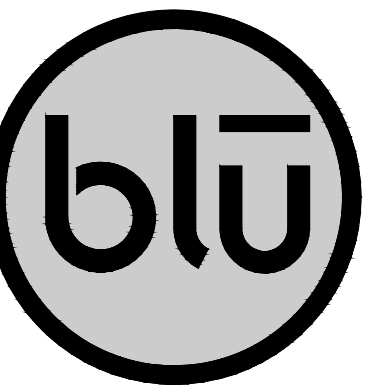
Designed By: SS  
 Drawn By: MTT\_BMP  
 Date: 07/19/2023  
 Checked By: CS  
 Project No: 21-252

OVERALL  
 SITE PLAN

Drawing number

LS.100





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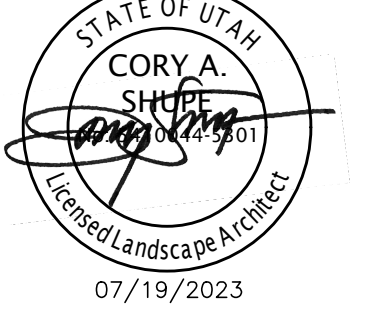
# NORTH SUMMIT RECREATION NSSRD OUTDOOR SPORTS COMPLEX

235 S Beacon Hill Dr.  
Coalville, UT 84017

## REVISIONS

NO.	DATE	DESCRIPTION

Stamp



Designed By: SS  
Drawn By: MTT\_BMP  
Date: 07/19/2023  
Checked By: CS  
Project No: 21-252

Drawing Title

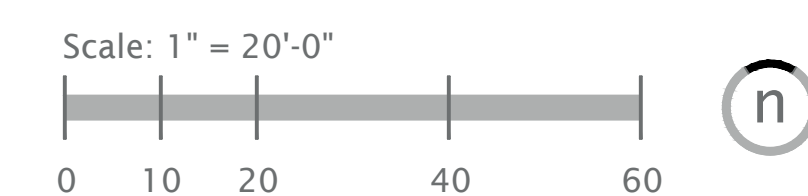
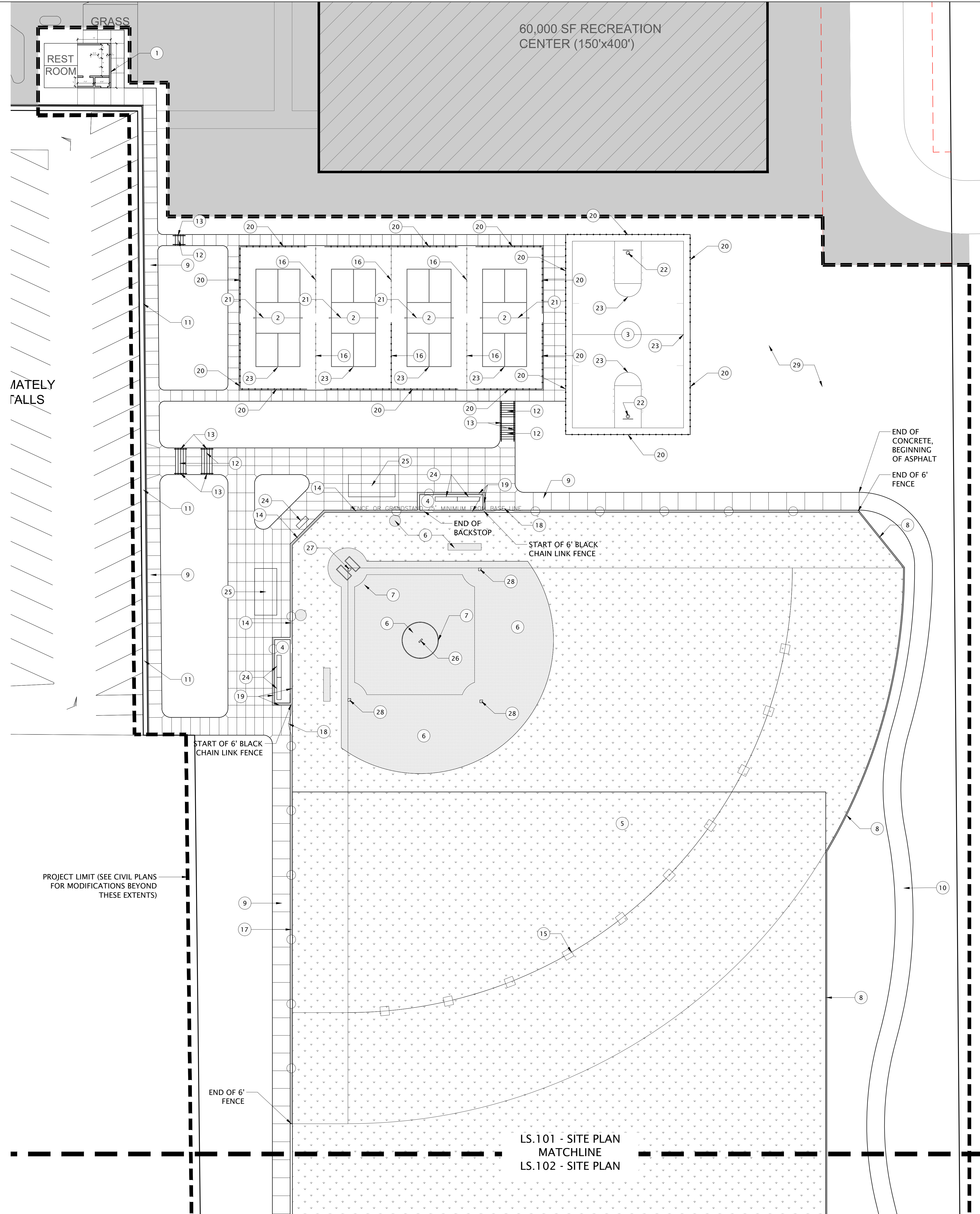
SITE PLAN

Drawing number

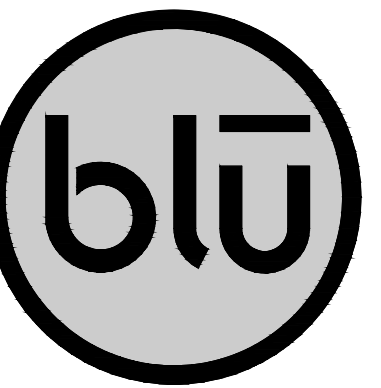
LS.101

## REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
1	FUTURE CONCESSIONS BUILDING. EXPANSION OF EXISTING RESTROOM - CONTRACTOR TO PROVIDE SHOP DRAWINGS	
2	PICKLE BALL COURT	
3	BASKETBALL COURT	
4	DUGOUT	
5	GREEN SYNTHETIC TURF	1/LS.501
6	BROWN SYNTHETIC TURF	1/LS.501
7	WHITE STRIPING	1/LS.501
8	SYNTHETIC TURF EDGER	1/LS.501
9	8'-0" CONCRETE PATH- SEE CIVIL DRAWINGS	
10	8'-0" ASPHALT PATH- SEE CIVIL DRAWINGS	
11	CURB AND GUTTER- SEE CIVIL DRAWINGS	
12	CONCRETE STAIRS	2/LS.501
13	HANDRAIL	3/LS.501
14	BACKSTOP	
15	4' PORTABLE OUTFIELD FENCING	5/LS.501
16	4' INTERIOR PICKLE BALL FENCING	6/LS.501
17	6' BLACK CHAIN LINK FENCE	7/LS.501
18	6' BLACK CHAIN LINK DOUBLE GATE	
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20	10' CHAIN LINK FENCING	8/LS.501
21	PICKLEBALL NET AND POSTS	9/LS.501
22	BASKETBALL STANDARD	10/LS.501
23	COURT STRIPING	
24	ALUMINUM BENCH	11/LS.501
25	ALUMINUM BLEACHERS	12/LS.501
26	PITCHER'S MOUND	
27	HOME PLATE	
28	REMOVABLE BASE	
29	DETENTION BASIN- SEE GRADING PLAN	



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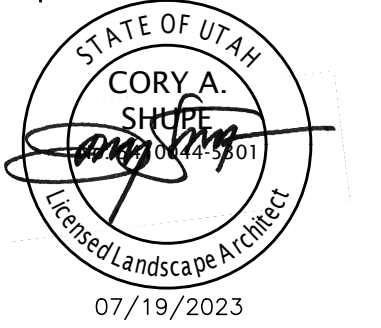
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**NORTH SUMMIT RECREATION  
NSSRD OUTDOOR SPORTS COMPLEX**  
235 S Beacon Hill Dr,  
Coalville, UT 84017

REVISIONS

NO.	DATE	DESCRIPTION

Stamp



Designed By: SS  
Drawn By: MTT\_BMP  
Date: 07/19/2023  
Checked By: CS  
Project No: 21-252

Drawing Title

SITE PLAN

Drawing number

LS.102

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
1	FUTURE CONCESSIONS BUILDING. EXPANSION OF EXISTING RESTROOM - CONTRACTOR TO PROVIDE SHOP DRAWINGS	
2	PICKLE BALL COURT	
3	BASKETBALL COURT	
4	DUGOUT	
5	GREEN SYNTHETIC TURF	1/LS.501
6	BROWN SYNTHETIC TURF	1/LS.501
7	WHITE STRIPING	1/LS.501
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23	COURT STRIPING	
24	ALUMINUM BENCH	11/LS.501
25	ALUMINUM BLEACHERS	12/LS.501
26	PITCHER'S MOUND	
27	HOME PLATE	
28	REMOVABLE BASE	
29	DETENTION BASIN: SEE GRADING PLAN	

LS.101 - SITE PLAN  
MATCHLINE  
LS.102 - SITE PLAN

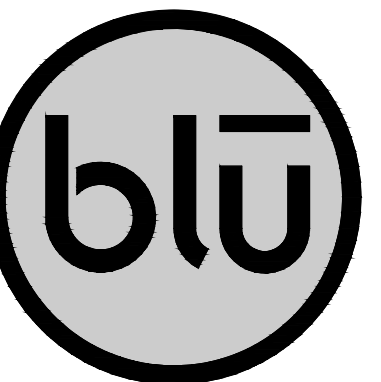
PROJECT LIMIT

END OF CONCRETE,  
BEGINNING  
OF ASPHALT

Scale: 1" = 20'-0"



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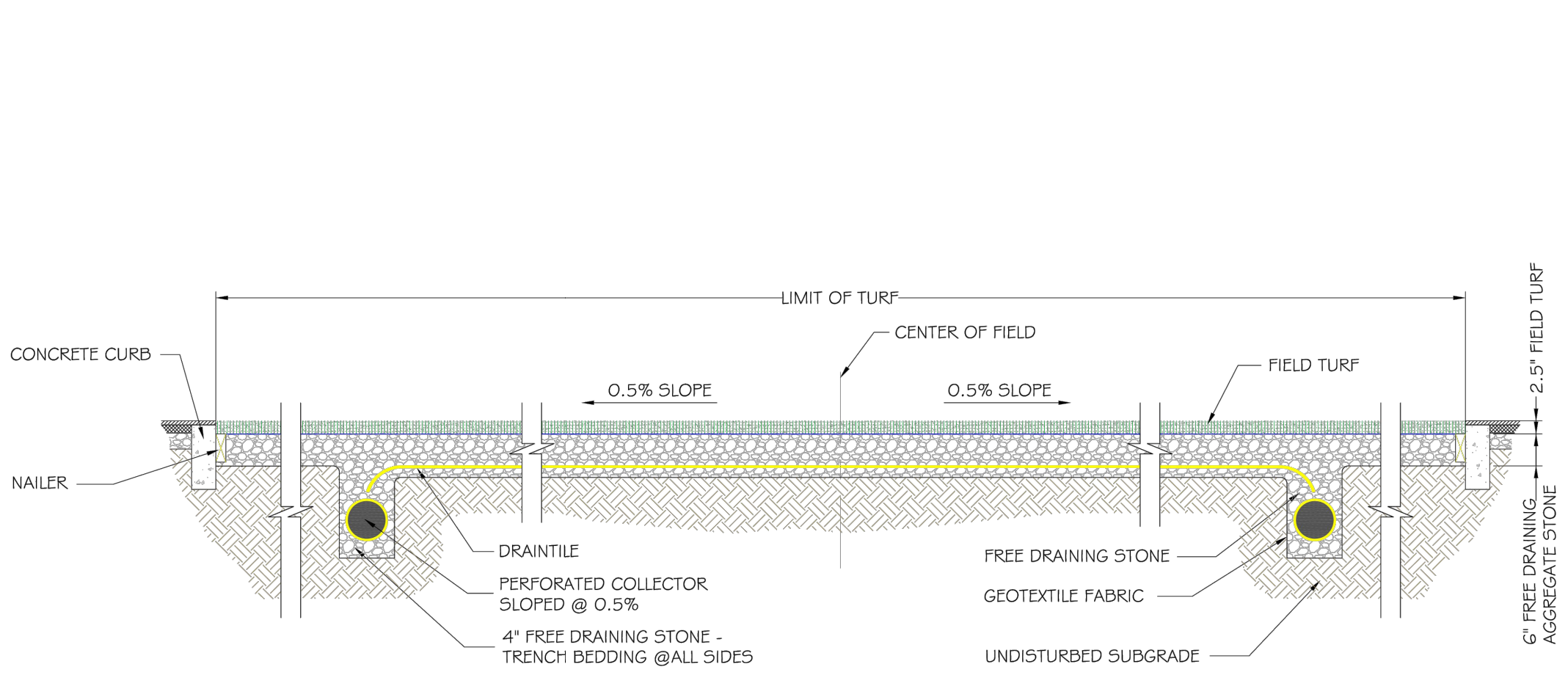
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 STATE OF UTAH  
 CORY A. SHREVE  
 LICENSED LANDSCAPE ARCHITECT  
 07/19/2023

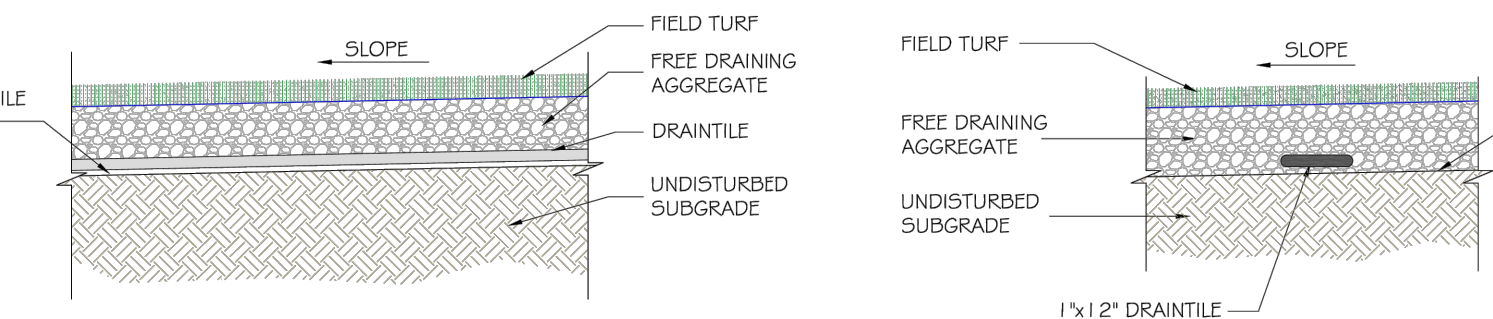
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 Drawn By: MTT\_BMP  
 Date: 07/19/2023  
 Checked By: CS  
 Project No: 21-252  
 Drawing Title

SITE DETAILS  
 Drawing number

LS.501

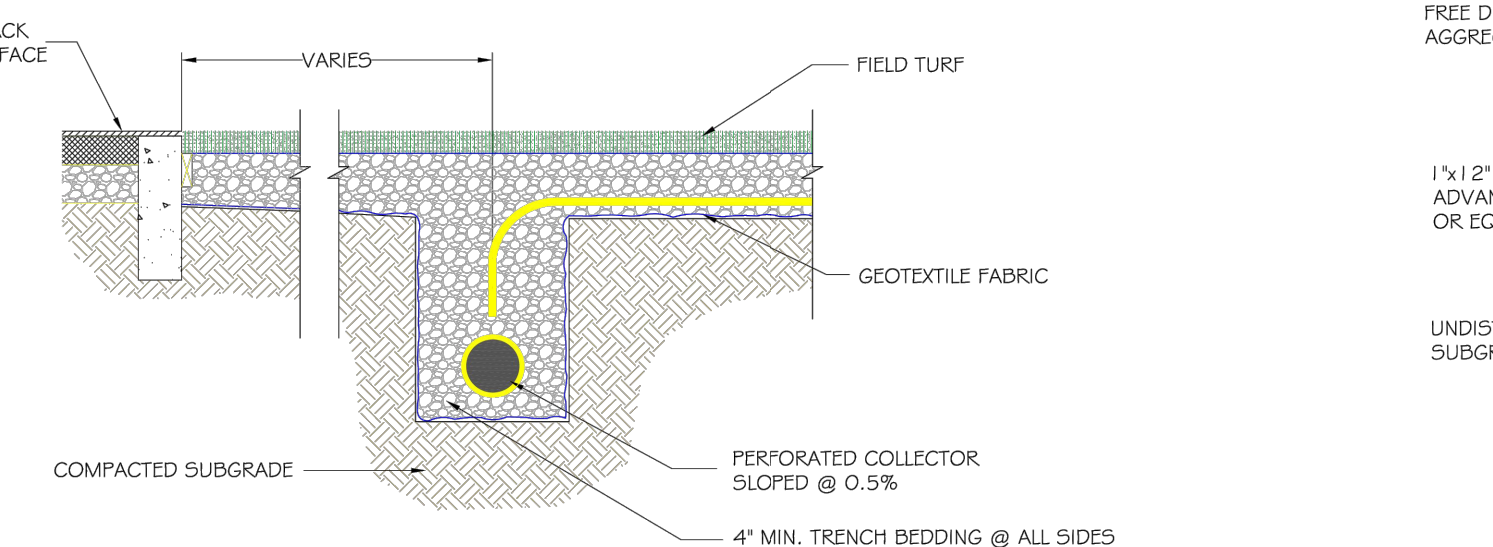


**1** TRANSVERSE SECTION THROUGH FIELD  
 N.T.S.

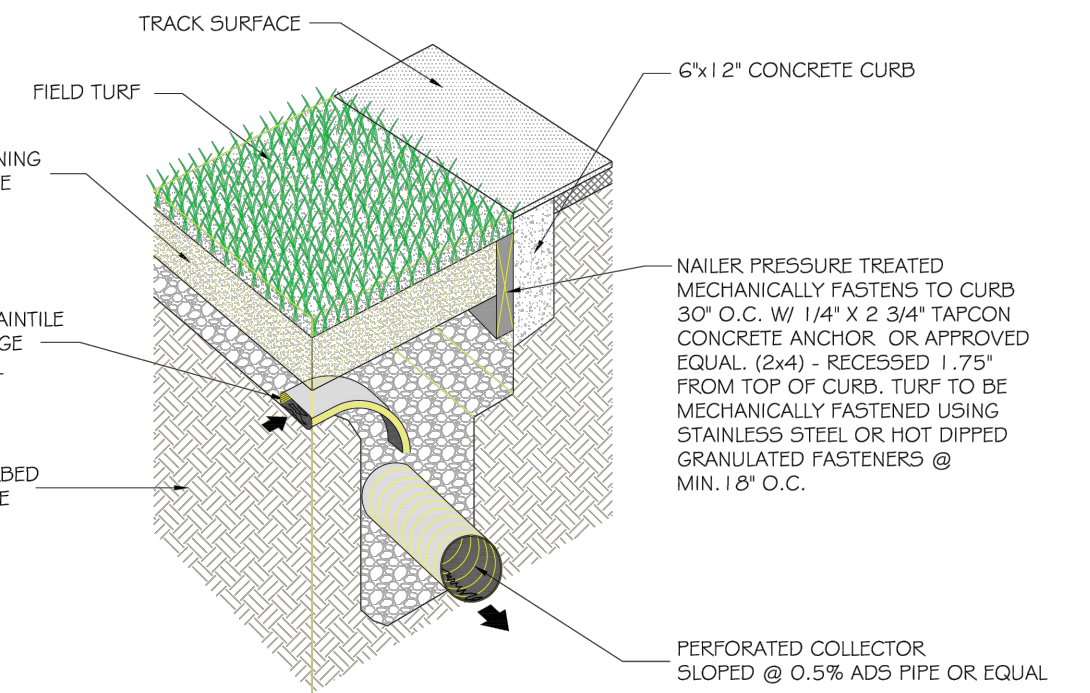


**B** SUB DRAINAGE SYSTEM  
 N.T.S.

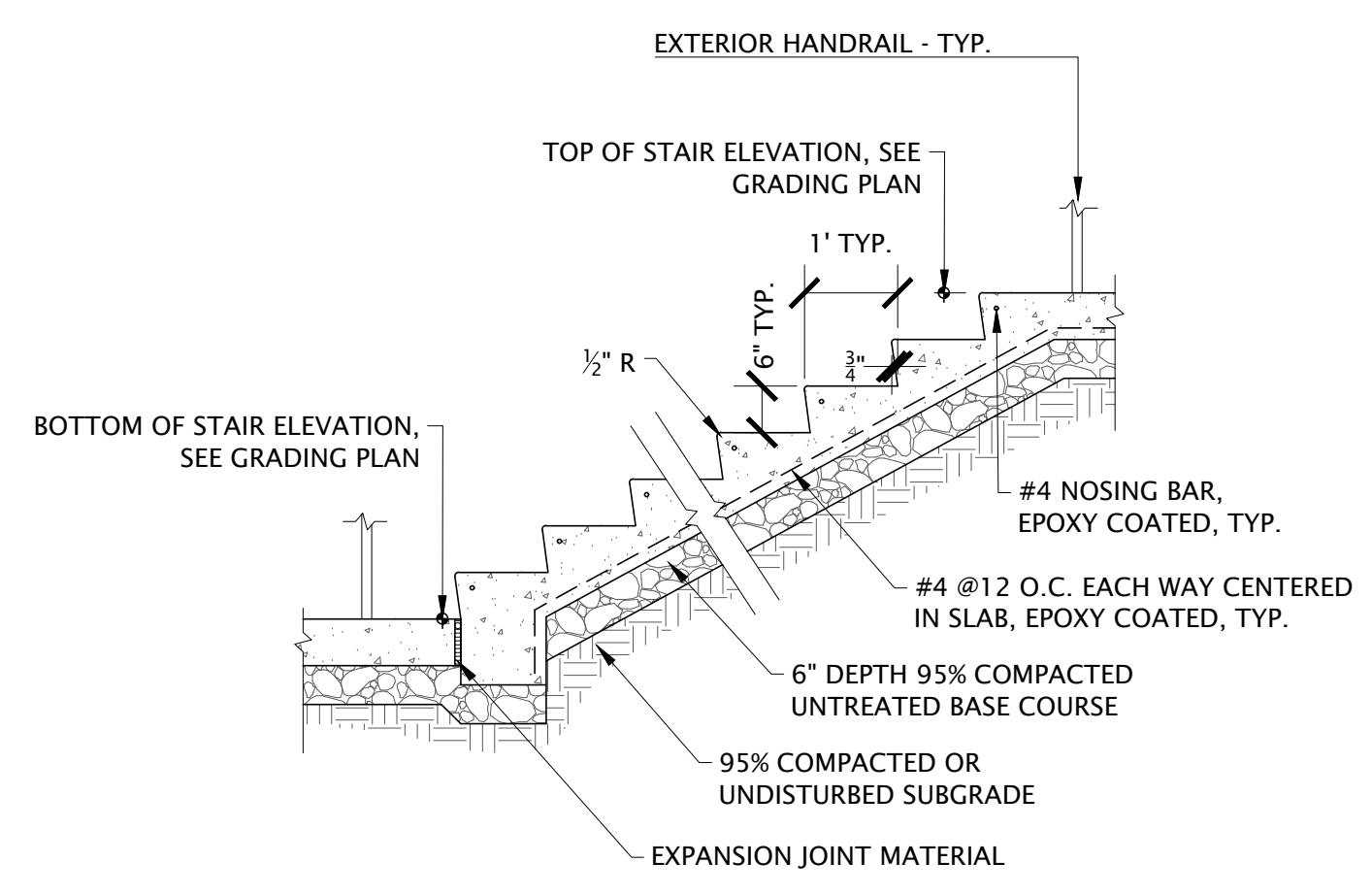
**C** SUB DRAINAGE SYSTEM  
 N.T.S.



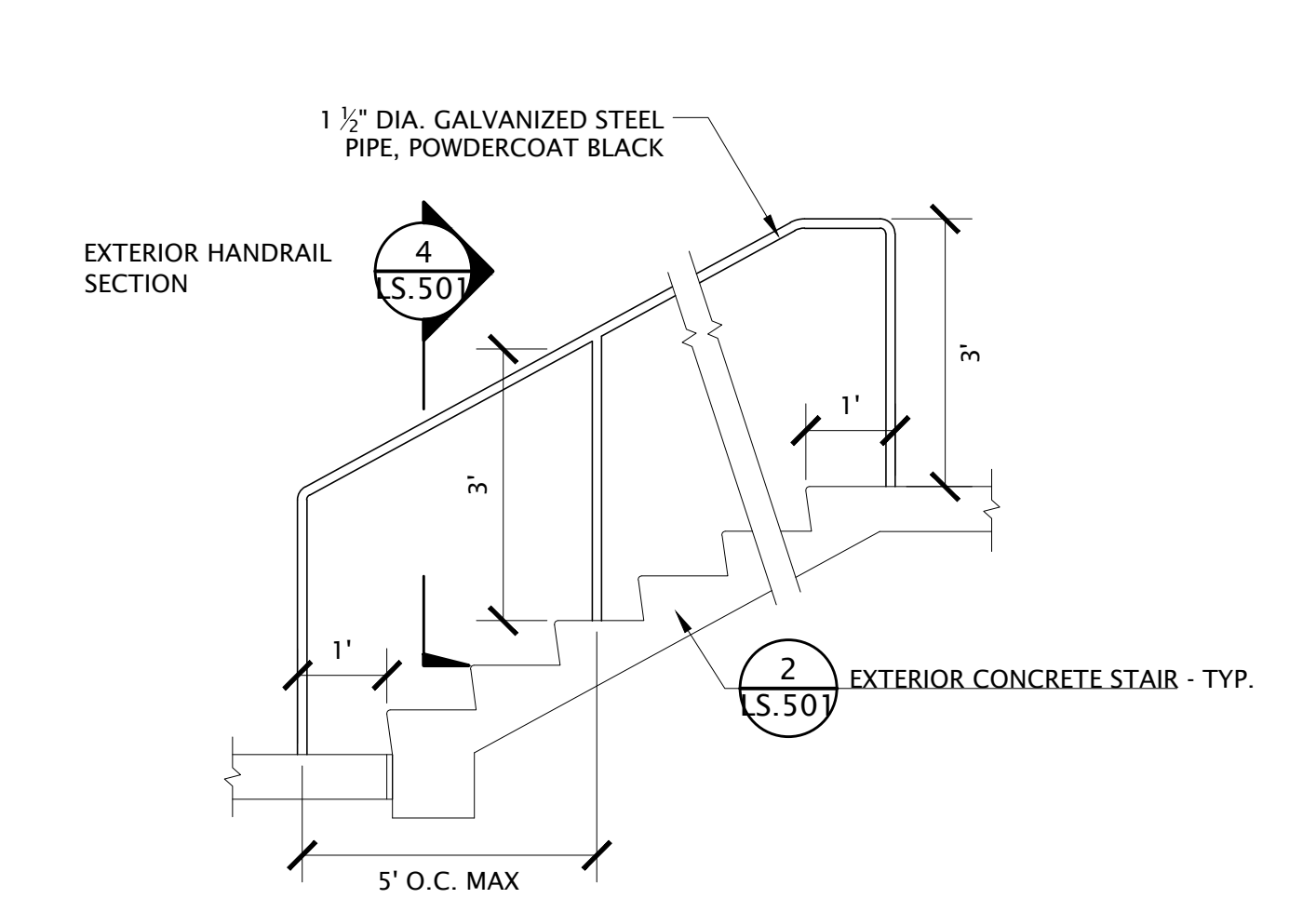
**D** EDGE DETAIL - TYP.  
 N.T.S.



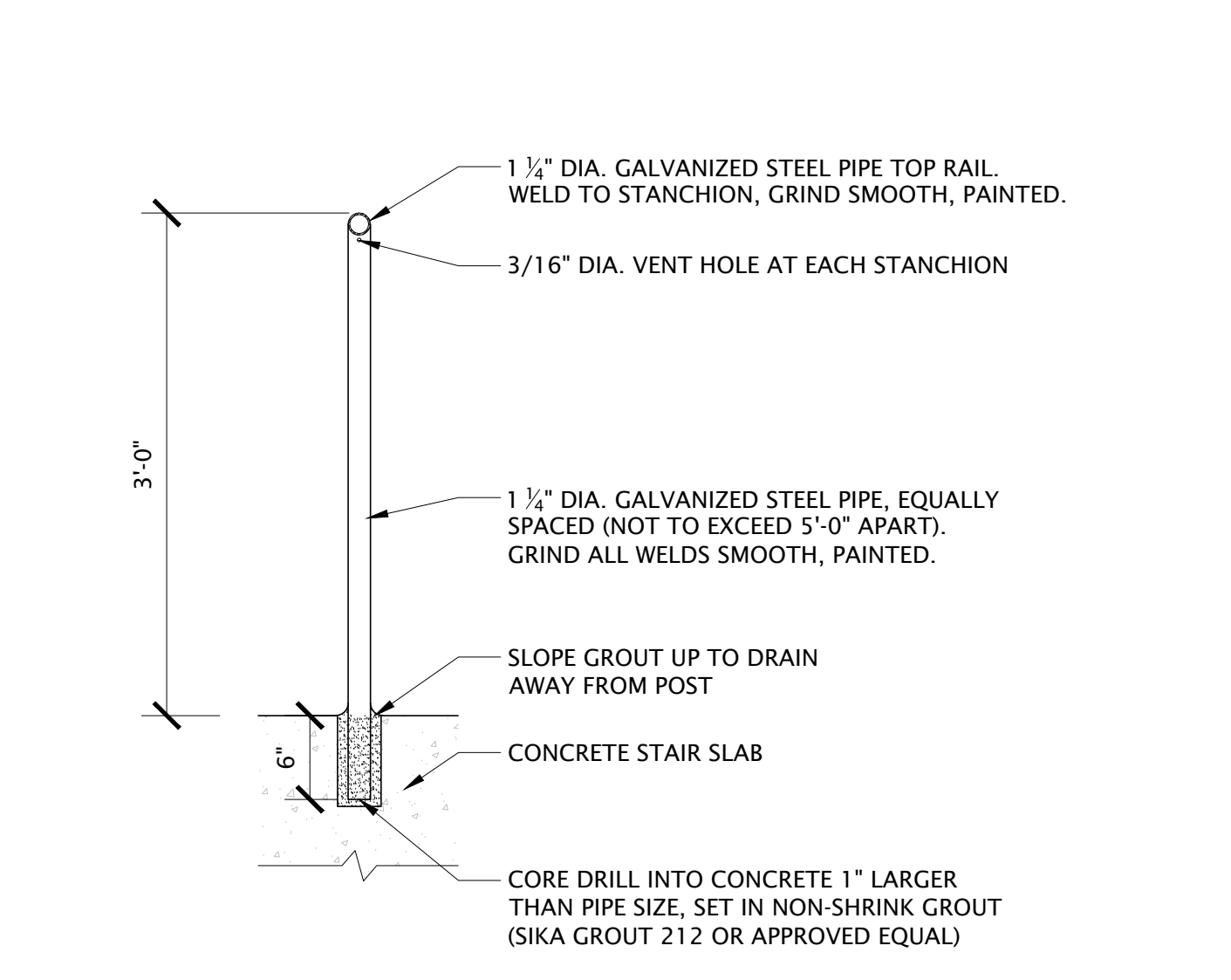
**E** FIELD DRAINAGE SECTION  
 N.T.S.



**2** EXTERIOR CONCRETE STAIR - TYP.  
 SCALE: 1/2" = 1'-0" P-21-252-15



**3** EXTERIOR HANDRAIL - TYP.  
 SCALE: NTS P-21-252-28

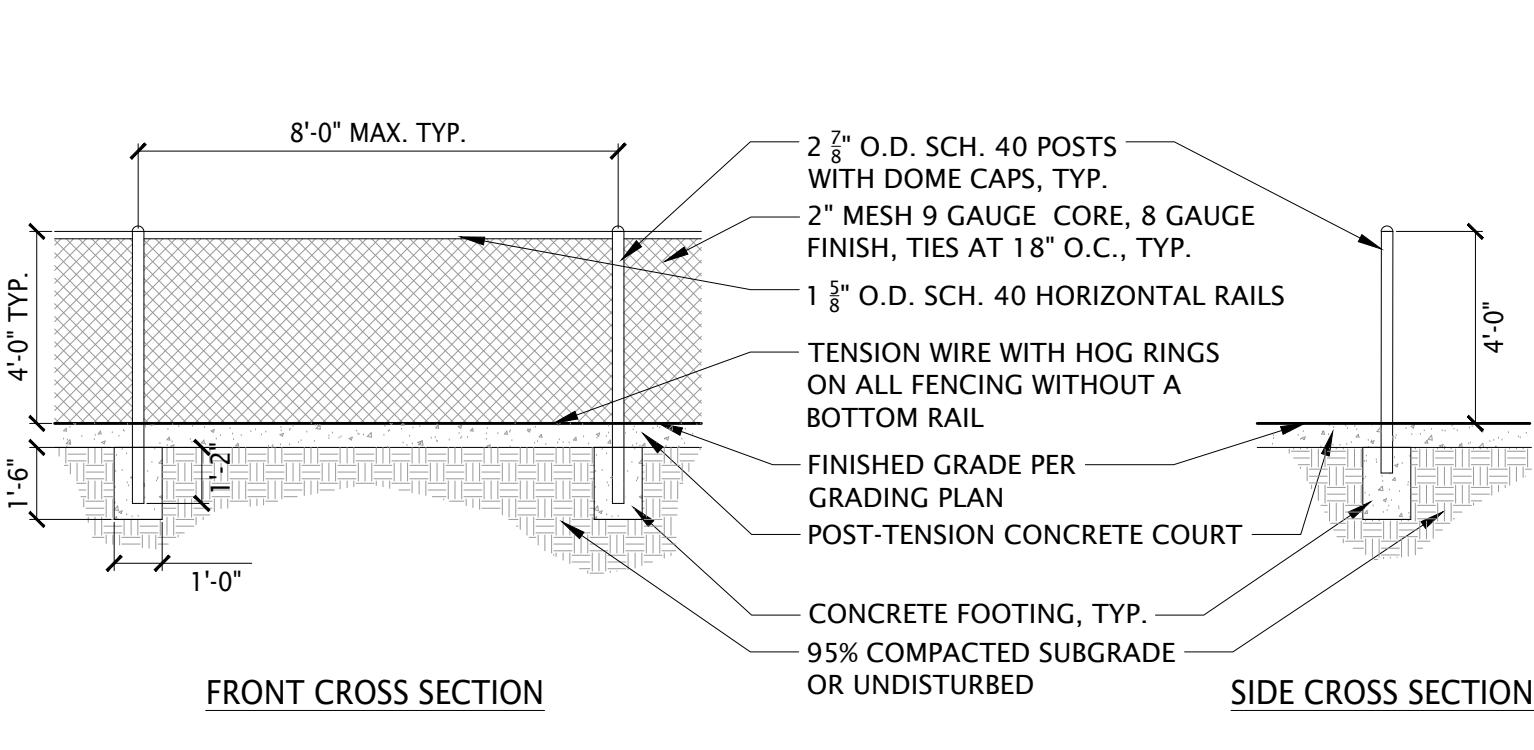


**4** EXTERIOR HANDRAIL SECTION  
 SCALE: 1" = 1'-0" P-21-252-45



NOTES:  
 1. PORTABLE CHAIN LINK FENCING PANELS SHALL BE 4' X 10'  
 2. FENCE CLEATS SHALL REST ON TOP OF SYNTHETIC TURF AND SHALL NOT PIERCE THROUGH IT.

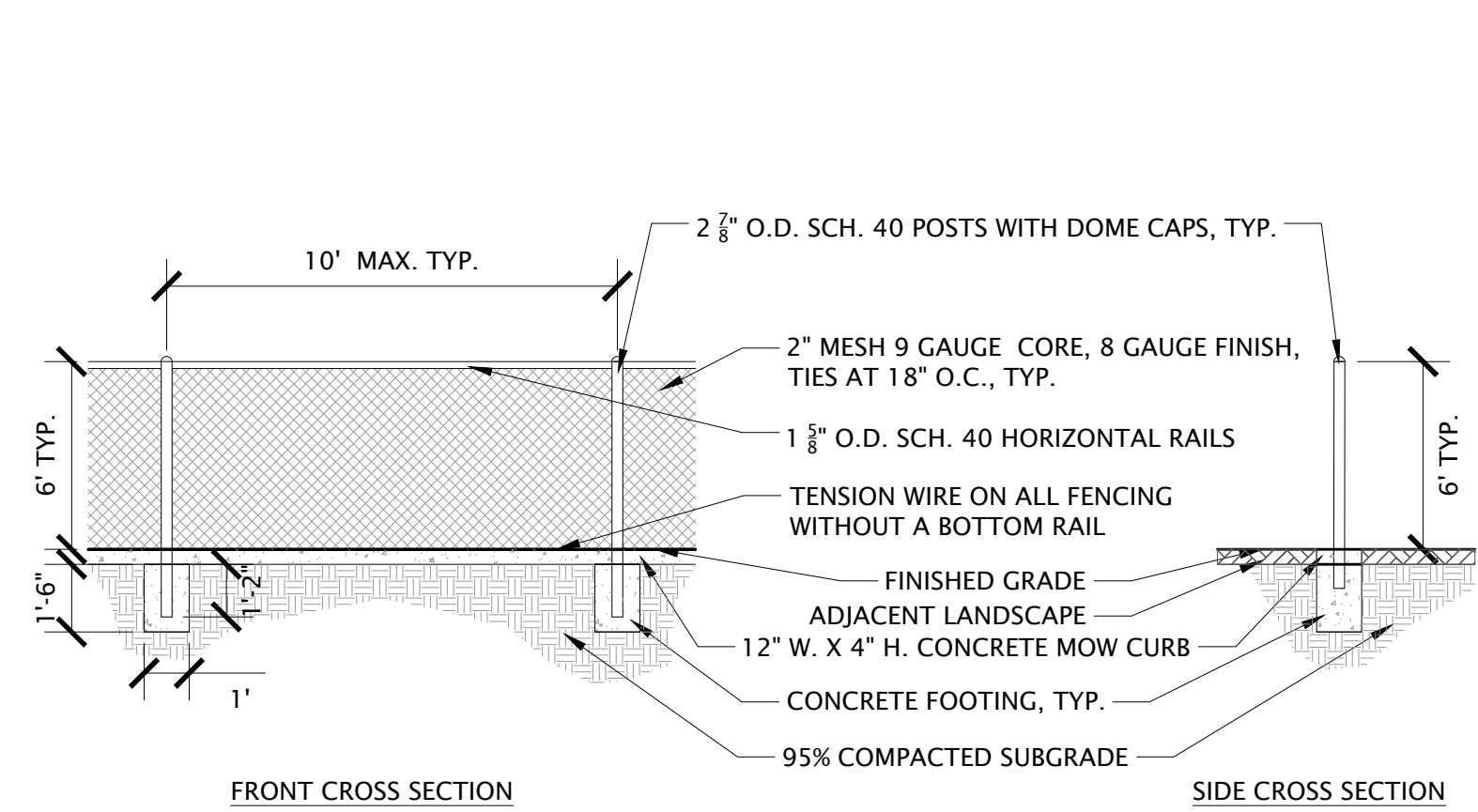
**5** PORTABLE FENCING  
 SCALE: NTS P-21-252-29



NOTES:  
 1. ALL PICKLEBALL FENCE POSTS, RAILS, CLAMPS AND HARDWARE SHALL BE POWDERCOATED BLACK.  
 2. ALL PICKLEBALL CHAIN LINK MESH SHALL BE FUSED AND BONDED BLACK VINYL COATED.  
 3. COURT CONTRACTOR SHALL PROVIDE STAMPED STRUCTURAL POST TENSIONED SLAB DESIGN FOR OWNER REVIEW AND APPROVAL.

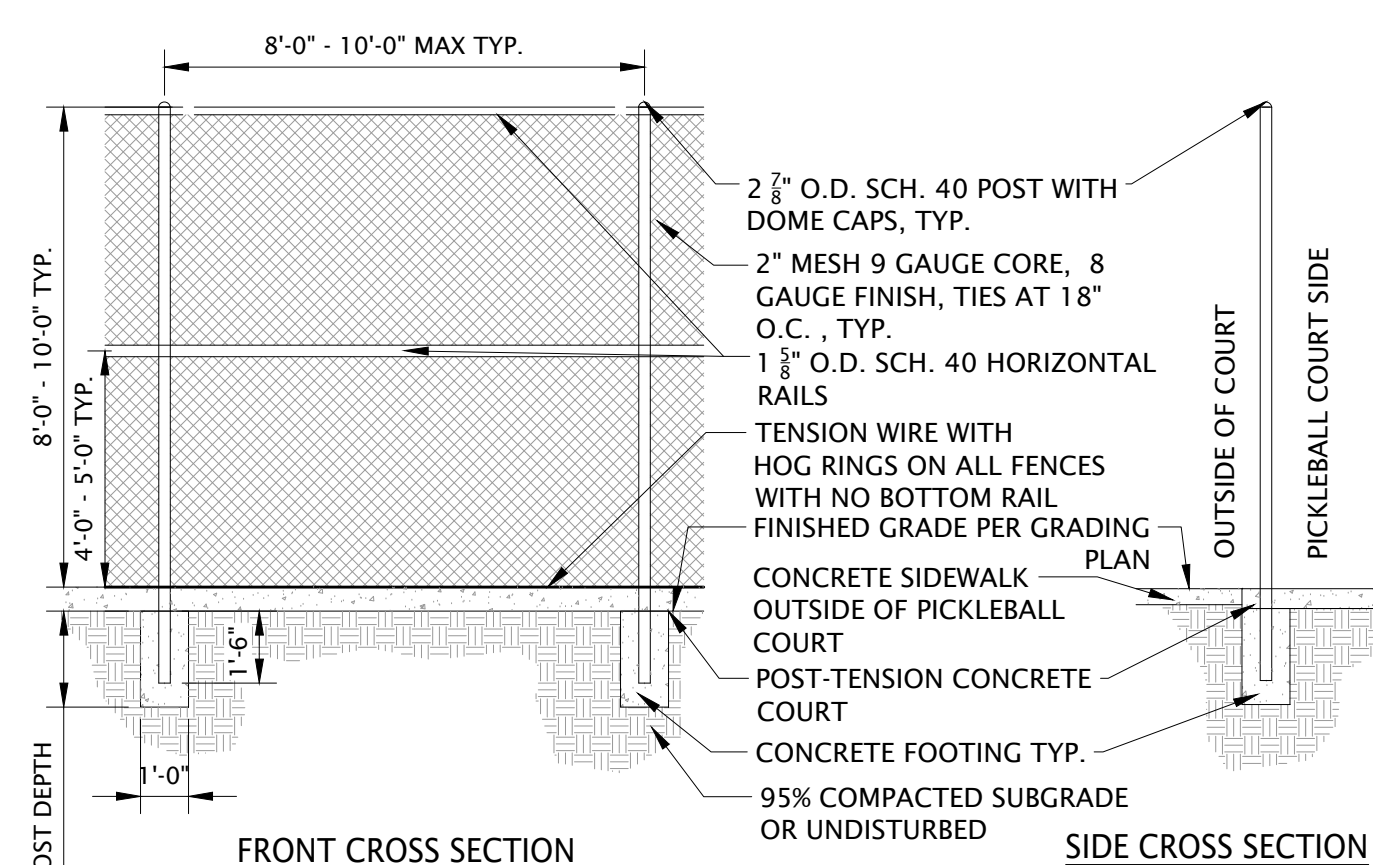
**6** PICKLEBALL COURT INTERIOR FENCE - 4' TALL  
 SCALE: NTS P-21-252-19

**1** SYNTHETIC TURF DETAILS  
 SCALE: NTS P-21-252-30



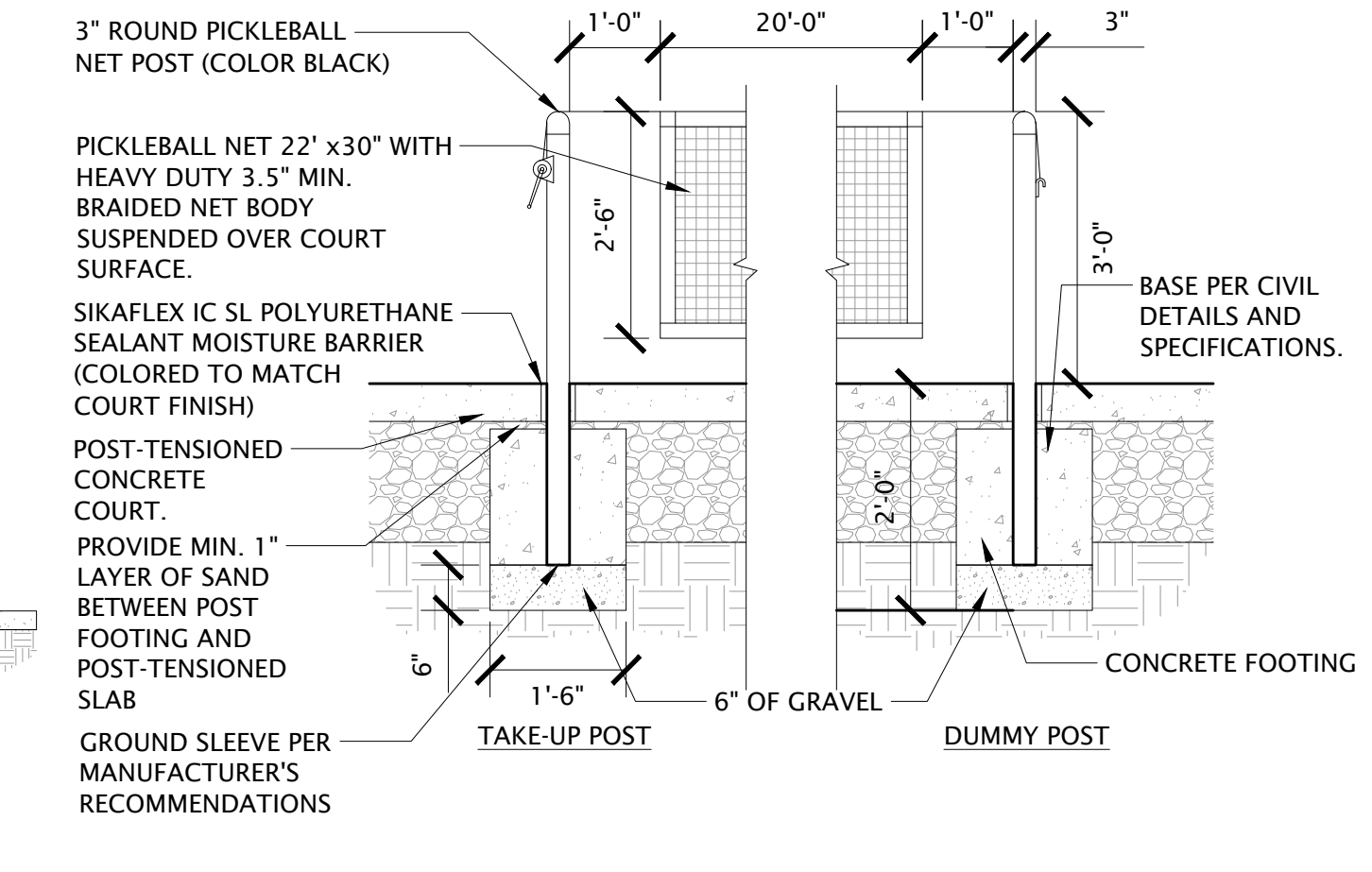
NOTES:  
 1. ALL FENCE POST, RAILS, CLAMPS, AND HARDWARE SHALL BE POWDERCOATED BLACK.  
 2. ALL CHAIN LINK MESH SHALL BE FUSED AND BONDED BLACK VINYL COATED.  
 3. FENCE SHALL BE INSTALLED CENTERED ON A 1" WIDE X 4" THICK MOW CURB.

**7** 6' TALL CHAIN LINK FENCE  
 SCALE: NTS P-21-252-82



NOTES:  
 1. ALL PICKLEBALL FENCE POSTS, RAILS, CLAMPS AND HARDWARE SHALL BE POWDERCOATED BLACK.  
 2. ALL PICKLEBALL CHAINLINK MESH SHALL BE FUSED AND BONDED BLACK VINYL COATED.  
 3. COURT CONTRACTOR SHALL PROVIDE STAMPED STRUCTURAL POST TENSIONED SLAB DESIGN FOR OWNER REVIEW AND APPROVAL.

**8** 8'-10' CHAIN LINK FENCING  
 SCALE: NTS P-21-252-18



PICKLEBALL COURT NOTES:  
 1. CONTRACTOR SHALL CONSULT MANUFACTURER FOR RECOMMENDED INSTALLATION OF NET POSTS AND SHALL CONSULT WITH OWNER ON VARIATIONS FROM DETAIL.  
 2. VERTICAL AND HORIZONTAL LOCATIONS OF NET POSTS ON THE COURT SURFACE SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL FEDERATION OF PICKLEBALL (IFP) OFFICIAL TOURNAMENT RULE BOOK.  
 3. NETS AND POSTS SHALL BE PER SPECIFICATIONS.

**9** PICKLEBALL NET AND POSTS  
 SCALE: NTS P-21-252-18



**10** BASKETBALL STANDARD  
 SCALE: NTS P-21-252-08



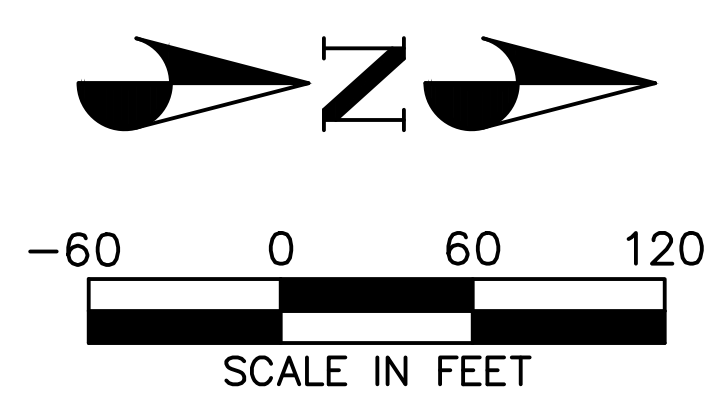
**11** ALUMINUM BENCH  
 SCALE: NTS P-21-252-85



NOTES:  
 1. BELSON OUTDOOR MOBILITY ACCESS ALUMINUM BLEACHERS, MODEL #BD-U0521C.  
 2. SURFACE MOUNT PER MANUFACTURER'S SPECIFICATIONS.

**12** ALUMINUM BLEACHERS  
 SCALE: NTS P-21-252-86





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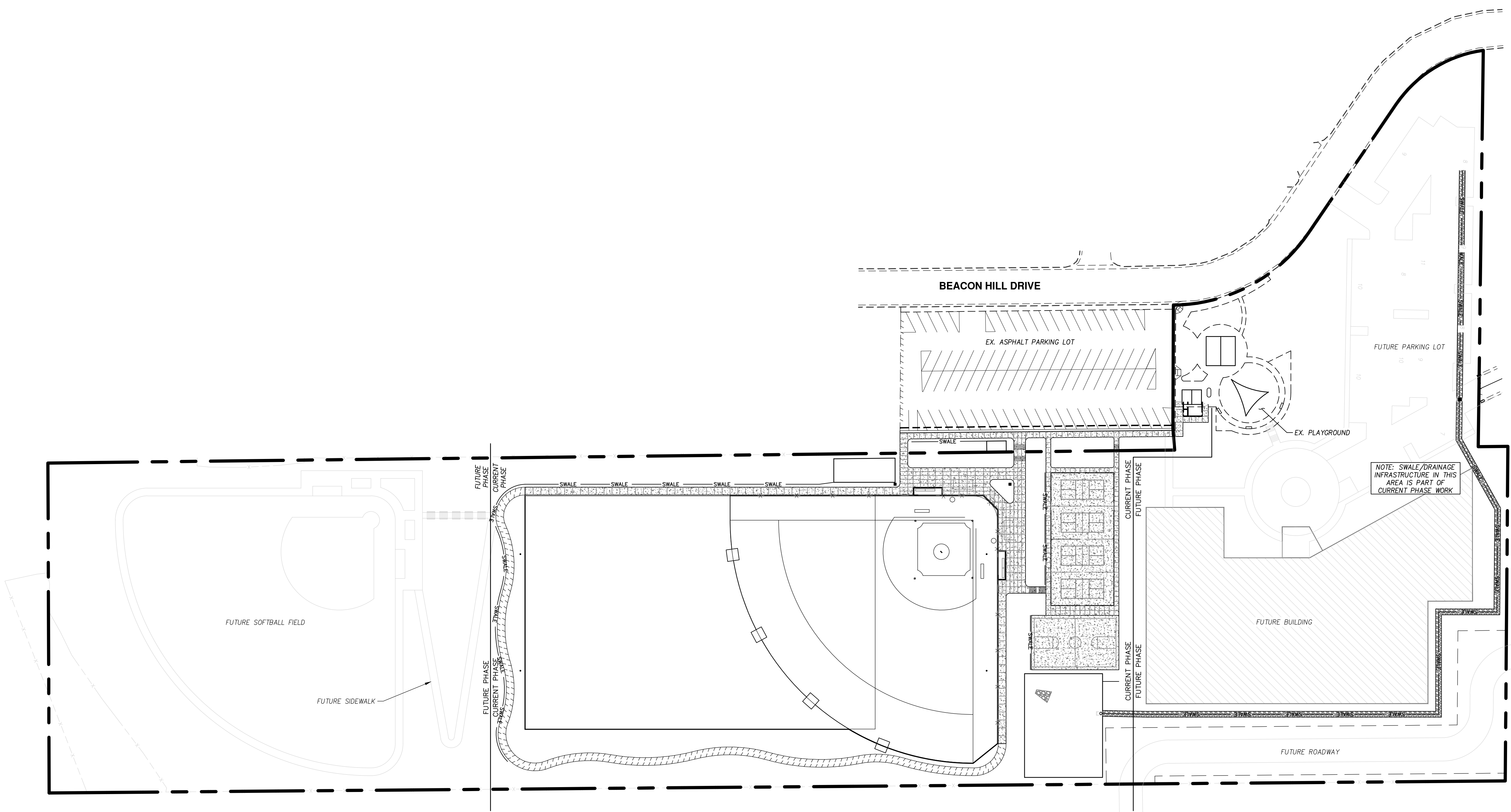


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**LEGEND**

	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING FENCE
	EXISTING EDGE OF ASPHALT
	EXISTING BUILDING PAD
	PROPOSED CURB & GUTTER
	PROPOSED SIDEWALK
	PROPOSED FENCE
	PROPOSED EDGE OF ASPHALT
	PROPOSED BUILDING PAD
	PROPOSED SAWCUT
	PROJECT BOUNDARY

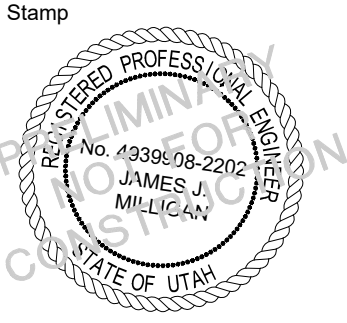
- SITE NOTES**
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  3. ALL CURB DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
  4. ALL WORK SHALL COMPLY WITH THE PROJECT PLANS, PROJECT SPECIFICATIONS, AND PROJECT GEOTECHNICAL ENGINEERING REPORT, WHICHEVER IS THE MOST STRINGENT.
  5. ALL STRIPING, PAVEMENT MARKINGS, AND SIGNAGE TO COMPLY WITH THE CURRENT M.U.T.C.D. EDITION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCAL CODE, WHICHEVER IS MORE STRINGENT.
  6. CONTRACTOR IS RESPONSIBLE FOR PERFORMING WORK ON OR ADJACENT TO A PUBLIC ROAD TO PROVIDE, INSTALL, AND MAINTAIN APPROPRIATE TRAFFIC CONTROL DEVICES, AS WELL AS ANY ADDITIONAL TRAFFIC CONTROL DEVICES THAT MAY BE REQUIRED TO INSURE SAFE AND EFFICIENT MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE WORK AREA AND TO PROVIDE MAXIMUM PROTECTION AND SAFETY TO ROAD WORKERS.
  7. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN CONTACT ENGINEER FOR CLARIFICATION.



**NORTH SUMMIT RECREATION  
 NSSRD OUTDOOR SPORTS COMPLEX**  
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REVISIONS

NO.	DESCRIPTION



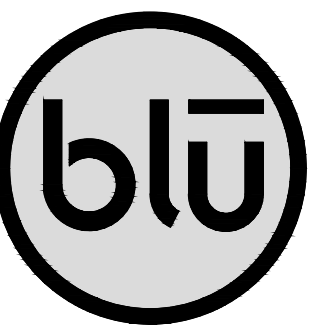
Designed By: RPB  
 Drawn By: RPB  
 Date: 7/21/2023  
 Checked By: JJM  
 Project No: 21-252

Drawing Title  
**OVERALL CIVIL  
 SITE PLAN**

Drawing Number  
**C200**

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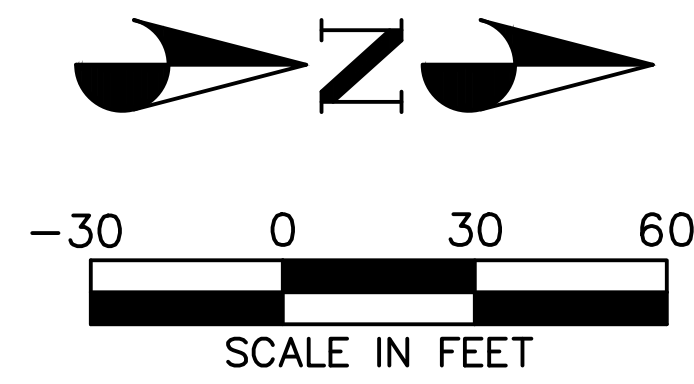
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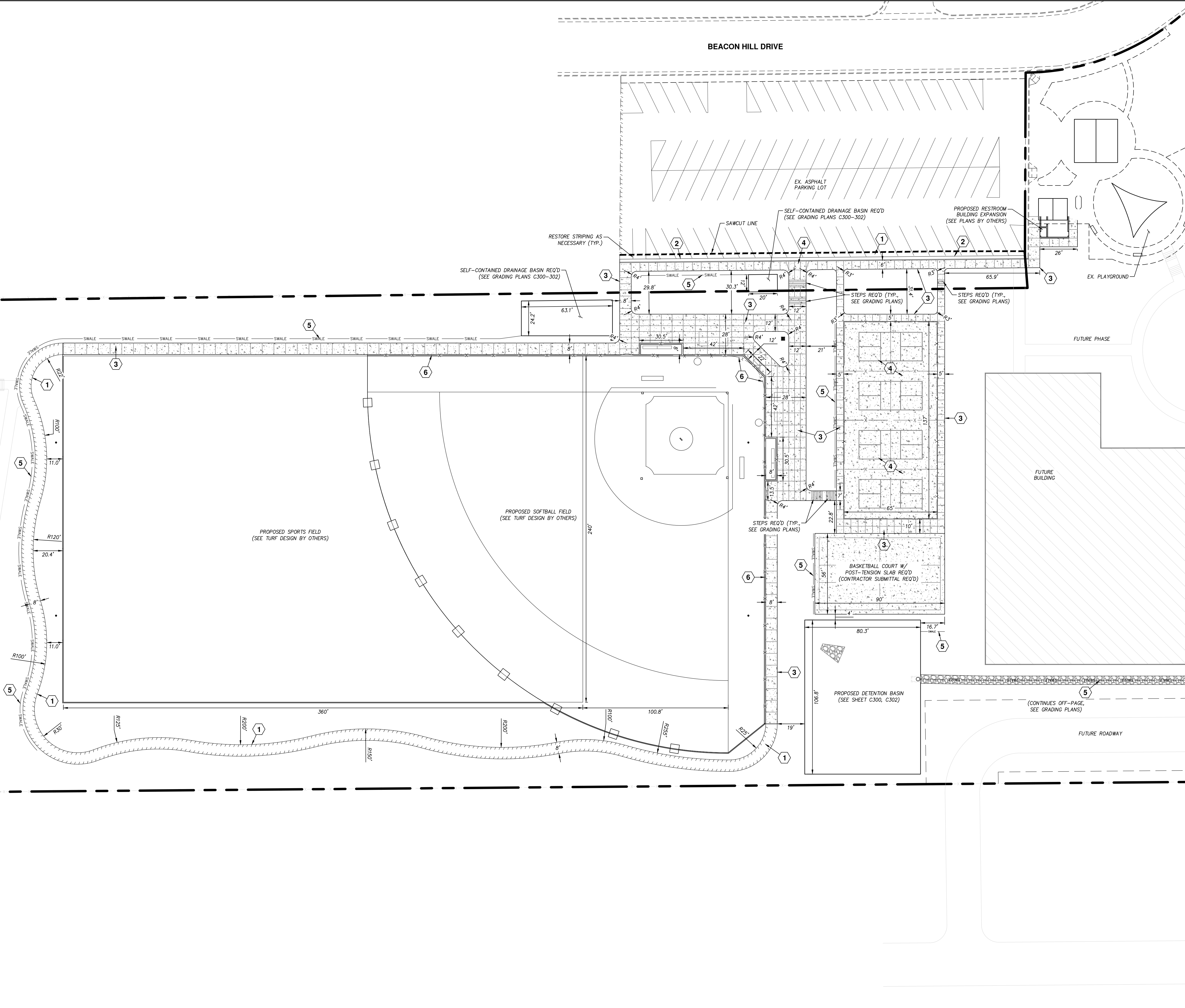
**LEGEND**

[Symbol]	EXISTING CURB & GUTTER
[Symbol]	EXISTING SIDEWALK
[Symbol]	EXISTING FENCE
[Symbol]	EXISTING EDGE OF ASPHALT
[Symbol]	EXISTING BUILDING PAD
[Symbol]	PROPOSED CURB & GUTTER
[Symbol]	PROPOSED SIDEWALK
[Symbol]	PROPOSED FENCE
[Symbol]	PROPOSED EDGE OF ASPHALT
[Symbol]	PROPOSED BUILDING PAD
[Symbol]	PROPOSED SAWCUT
[Symbol]	PROJECT BOUNDARY

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**KEYNOTE LEGEND**

1	ASPHALT PAVEMENT REQ'D (SEE DETAIL-1 ON SHEET C400)
2	30" TYPE "A" CURB & GUTTER REQ'D (SEE DETAIL-2 ON SHEET C400)
3	4" CONCRETE SIDEWALK REQ'D (SEE DETAIL-3 ON SHEET C400)
4	PICKLEBALL COURT W/ POST-TENSION SLAB REQ'D (CONTRACTOR SUBMITTAL REQ'D)
5	SWALE REQ'D (SEE GRADING PLANS)
6	FENCE REQ'D (SEE LANDSCAPE ARCHITECT PLANS)

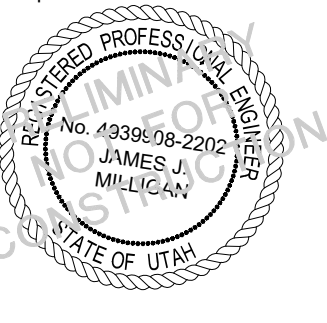


NORTH SUMMIT RECREATION  
NSSRD OUTDOOR SPORTS COMPLEX  
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REVISIONS

NO.	DESCRIPTION

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Designed By: RPB  
Drawn By: RPB  
Date: 7/21/2023  
Checked By: JMM  
Project No: 21-252

Drawing Title

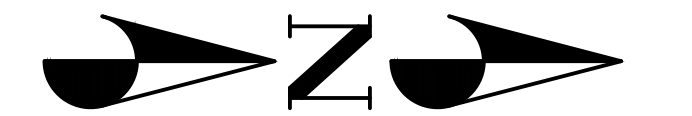
CIVIL SITE PLAN

Drawing Number

C201

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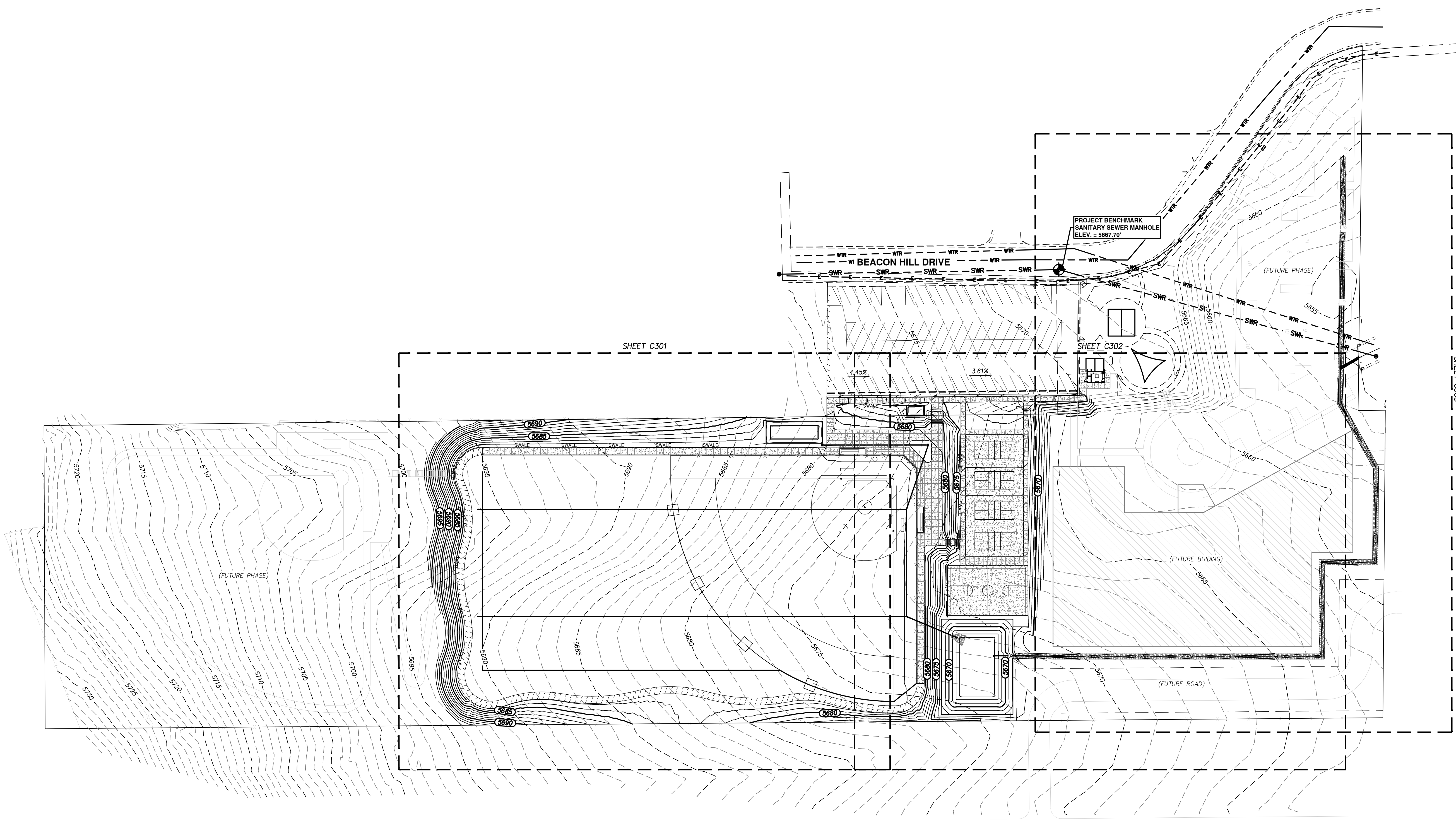
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**SERVICES**  
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 9270 SOUTH 300 WEST, SUITE A-2  
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**LEGEND**

---	5600	EXISTING 5' CONTOUR
---	5601	EXISTING 1' CONTOUR
---		EXISTING CURB & GUTTER
---		EXISTING SIDEWALK
---		EXISTING FENCE
---	SWR	EXISTING SEWER LINE
---	SD	EXISTING STORM DRAIN LINE
---	WTR	EXISTING WATER LINE
---	T	EXISTING TELECOMM LINE
---	G	EXISTING GAS LINE
---	E	EXISTING UNDERGROUND ELECTRICAL
---	OHE	EXISTING OVERHEAD ELECTRIC
---		EXISTING BUILDING PAD
---	5600	PROPOSED 5' CONTOUR
---	5601	PROPOSED 1' CONTOUR
---		PROPOSED CURB & GUTTER
---		PROPOSED SIDEWALK
---		PROPOSED SEWER LINE
---		PROPOSED STORM DRAIN LINE
---		PROPOSED FENCE
---		PROPOSED EDGE OF ASPHALT
---	WTR	PROPOSED WATER LINE
---		PROPOSED SPILL CURB & GUTTER
---		PROPOSED BUILDING PAD
---		PROJECT BOUNDARY

- GRADING NOTES**
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  3. ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND SPECIFICATIONS.
  4. ALL WORK SHALL COMPLY WITH THE PROJECT PLANS, PROJECT SPECIFICATIONS, AND PROJECT GEOTECHNICAL ENGINEERING REPORT, WHICHEVER IS THE MOST STRINGENT.
  5. THE CONTRACTOR SHALL STRIP AND CLEAR THE TOPSOIL, MAJOR ROOTS AND ORGANIC MATERIAL FROM ALL PROPOSED BUILDING AND PAVEMENT AREAS PRIOR TO SITE GRADING. (THE TOPSOIL MAY BE STOCKPILED FOR LATER USE IN LANDSCAPED AREAS.)
  6. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
  7. THE CONTRACTOR SHALL GRADE THE PROJECT SITE TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING ASPHALT, CURB AND GUTTER, AND ADJOINING SITE IMPROVEMENTS.
  8. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT BLUE STAKES OF UTAH PRIOR TO STARTING ANY ACTIVITIES. ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATIONS ONLY.
  9. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEN EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTIC TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE. ENSUF ALL OSHA STANDARDS ARE FOLLOWED.
  10. CONTRACTOR SHALL ENSURE FINISHED GRADE SLOPES AWAY FROM STRUCTURES ACCORDING TO BUILDING CODES AND AS SHOWN ON TH PLAN.
  11. CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES WITH WHICH TO REMOVE PROMPTLY AND TO PROPERLY DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVAT.



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 NSSRD OUTDOOR SPORTS COMPLEX**  
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REVISIONS

NO.	DESCRIPTION

Stamp

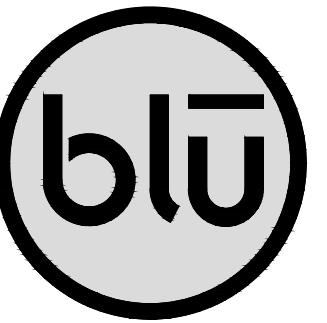
Designed By: RPB  
 Drawn By: RPB  
 Date: 7/21/2023  
 Checked By: JMM  
 Project No: 21-252

Drawing Title  
**OVERALL  
 GRADING &  
 DRAINAGE PLAN**

Drawing Number  
**C300**

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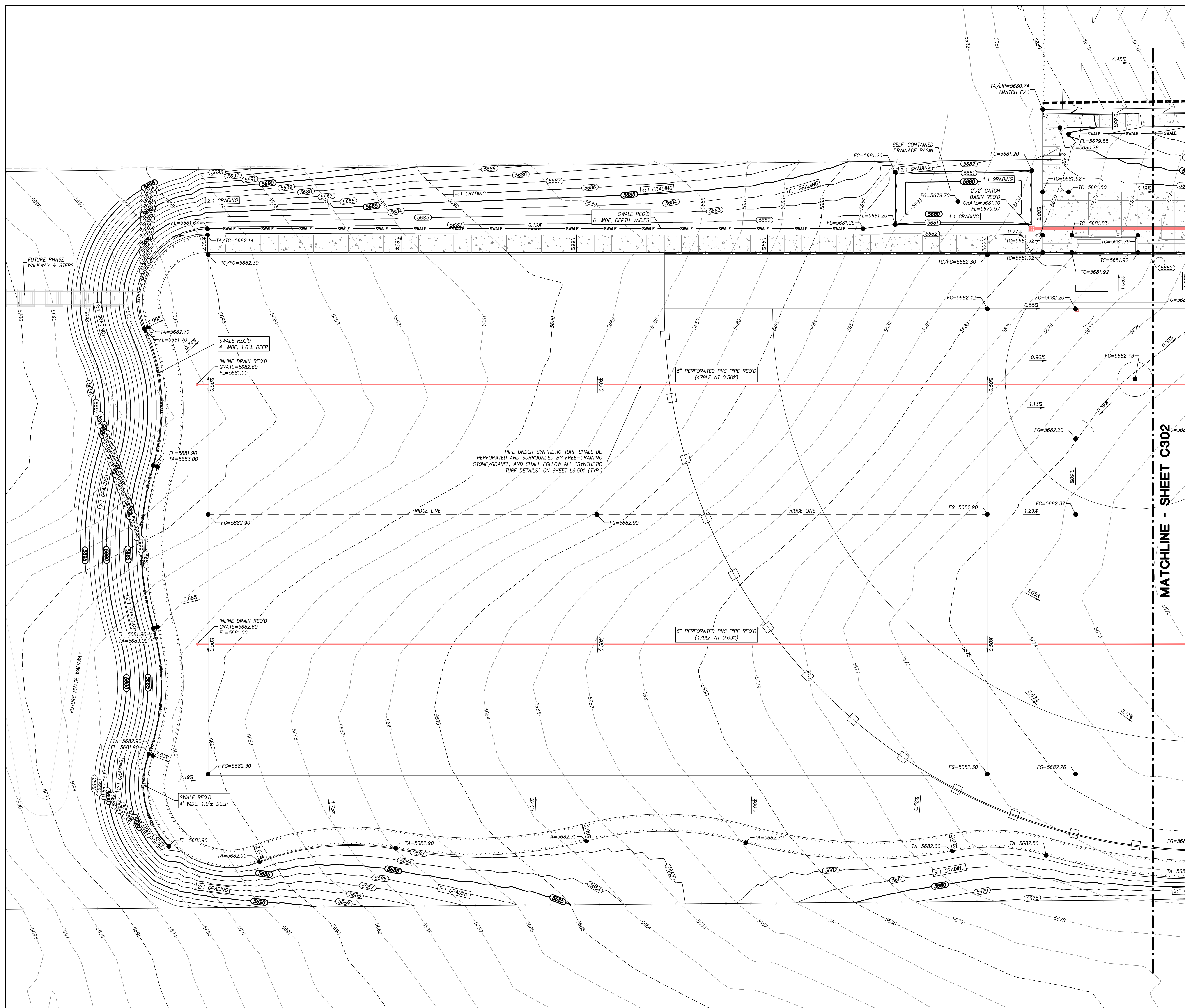
SCALE IN FEET

LEGEND

- - - 5600 - EXISTING 5' CONTOUR
- - - 5601 - EXISTING 1' CONTOUR
- - - - - EXISTING CURB & GUTTER
- - - - - EXISTING SIDEWALK
- - - - - EXISTING FENCE
- - - - - EXISTING EDGE OF ASPHALT
- - - - - EXISTING SEWER LINE
- - - - - EXISTING STORM DRAIN LINE
- - - - - EXISTING WATER LINE
- - - - - EXISTING TELECOMM LINE
- - - - - EXISTING GAS LINE
- - - - - EXISTING UNDERGROUND ELECTRICAL
- - - - - EXISTING OVERHEAD ELECTRIC
- - - - - EXISTING BUILDING PAD
- - - - - PROPOSED 5' CONTOUR
- - - - - PROPOSED 1' CONTOUR
- - - - - PROPOSED CURB & GUTTER
- - - - - PROPOSED SIDEWALK
- - - - - PROPOSED SEWER LINE
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- - - - - PROPOSED FENCE
- - - - - PROPOSED EDGE OF ASPHALT
- - - - - PROPOSED WATER LINE
- - - - - PROPOSED SPILL CURB & GUTTER
- - - - - PROPOSED BUILDING PAD
- - - - - PROJECT BOUNDARY

GRADING NOTES

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9. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEN EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTIC TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE. ENSUF ALL OSHA STANDARDS ARE FOLLOWED.
10. CONTRACTOR SHALL ENSURE FINISHED GRADE SLOPES AWAY FROM STRUCTURES ACCORDING TO BUILDING CODES AND AS SHOWN ON THE PLAN.
11. CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES WITH WHICH TO REMOVE PROMPTLY AND TO PROPERLY DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVATION.

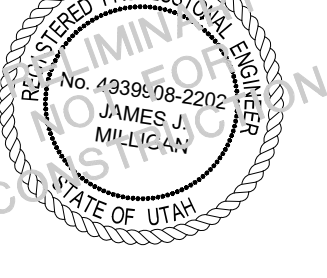


**NORTH SUMMIT RECREATION  
NSSRD OUTDOOR SPORTS COMPLEX**  
235 S Beacon Hill Dr,  
Coalville, UT 84017

REVISIONS

NO.	DESCRIPTION

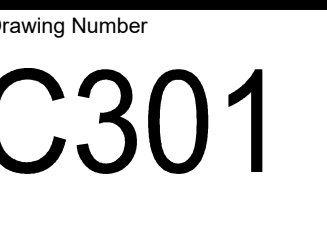
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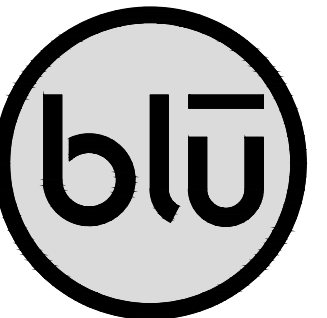
Designed By: RPB  
 Drawn By: RPB  
 Date: 7/21/2023  
 Checked By: JMM  
 Project No: 21-252

Drawing Title  
**GRADING & DRAINAGE PLAN**

Drawing Number  
**C301**



DESIGN REVIEW - NOT FOR CONSTRUCTION



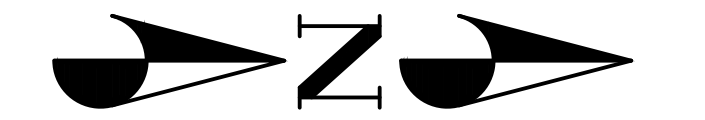
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-20 0 20 40

SCALE IN FEET

**LEGEND**

---	5600	EXISTING 5' CONTOUR
---	5601	EXISTING 1' CONTOUR
---	---	EXISTING CURB & GUTTER
---	---	EXISTING SIDEWALK
---	---	EXISTING FENCE
---	---	EXISTING EDGE OF ASPHALT
---	---	EXISTING SEWER LINE
---	---	EXISTING STORM DRAIN LINE
---	---	EXISTING WATER LINE
---	---	EXISTING TELECOMM LINE
---	---	EXISTING GAS LINE
---	---	EXISTING UNDERGROUND ELECTRICAL
---	---	EXISTING OVERHEAD ELECTRIC
---	---	EXISTING BUILDING PAD
---	---	PROPOSED 5' CONTOUR
---	---	PROPOSED 1' CONTOUR
---	---	PROPOSED CURB & GUTTER
---	---	PROPOSED SIDEWALK
---	---	PROPOSED SEWER LINE
---	---	PROPOSED STORM DRAIN LINE
---	---	PROPOSED FENCE
---	---	PROPOSED EDGE OF ASPHALT
---	---	PROPOSED WATER LINE
---	---	PROPOSED SPILL CURB & GUTTER
---	---	PROPOSED BUILDING PAD
---	---	PROJECT BOUNDARY

**GRADING NOTES**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS AND SPECIFICATIONS. IN THE ABSENCE OF PROJECT STANDARD AND SPECIFICATIONS APWA STANDARD AND SPECIFICATIONS SHALL GOVERN.
2. CONTRACTOR SHALL RETAIN AND PROTECT ALL EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED. CONTRACTOR IS RESPONSIBLE TO REPAIR ALL SIDEWALK, PAVEMENT, GRAVEL UTILITIES, LANDSCAPING, IRRIGATION, FENCING AND EXISTING IMPROVEMENTS DAMAGED AS PART OF CONSTRUCTION.
3. ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND SPECIFICATIONS.
4. ALL WORK SHALL COMPLY WITH THE PROJECT PLANS, PROJECT SPECIFICATIONS, AND PROJECT GEOTECHNICAL ENGINEERING REPORT, WHICHEVER IS THE MOST STRINGENT.
5. THE CONTRACTOR SHALL STRIP AND CLEAR THE TOPSOIL, MAJOR ROOTS AND ORGANIC MATERIAL FROM ALL PROPOSED BUILDING AND PAVEMENT AREAS PRIOR TO SITE GRADING. (THE TOPSOIL MAY BE STOCKPILED FOR LATER USE IN LANDSCAPED AREAS.)
6. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
7. THE CONTRACTOR SHALL GRADE THE PROJECT SITE TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING ASPHALT, CURB AND GUTTER, AND ADJOINING SITE IMPROVEMENTS.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT BLUE STAKES OF UTAH PRIOR TO STARTING ANY ACTIVITIES. ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATIONS ONLY.
9. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEN EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE. ENSUF ALL OSHA STANDARDS ARE FOLLOWED.
10. CONTRACTOR SHALL ENSURE FINISHED GRADE SLOPES AWAY FROM STRUCTURES ACCORDING TO BUILDING CODES AND AS SHOWN ON THE PLAN.
11. CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES WITH WHICH TO REMOVE PROMPTLY AND TO PROPERLY DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVATION.

**DRAINAGE NARRATIVE**

PROJECT AREA UPSTREAM OF DETENTION BASIN = 373,942 SQ FT (8.58 ACRES)

RATIONAL METHOD (100-YEAR, 24 HOUR STORM, PRECIPITATION = 2.88")

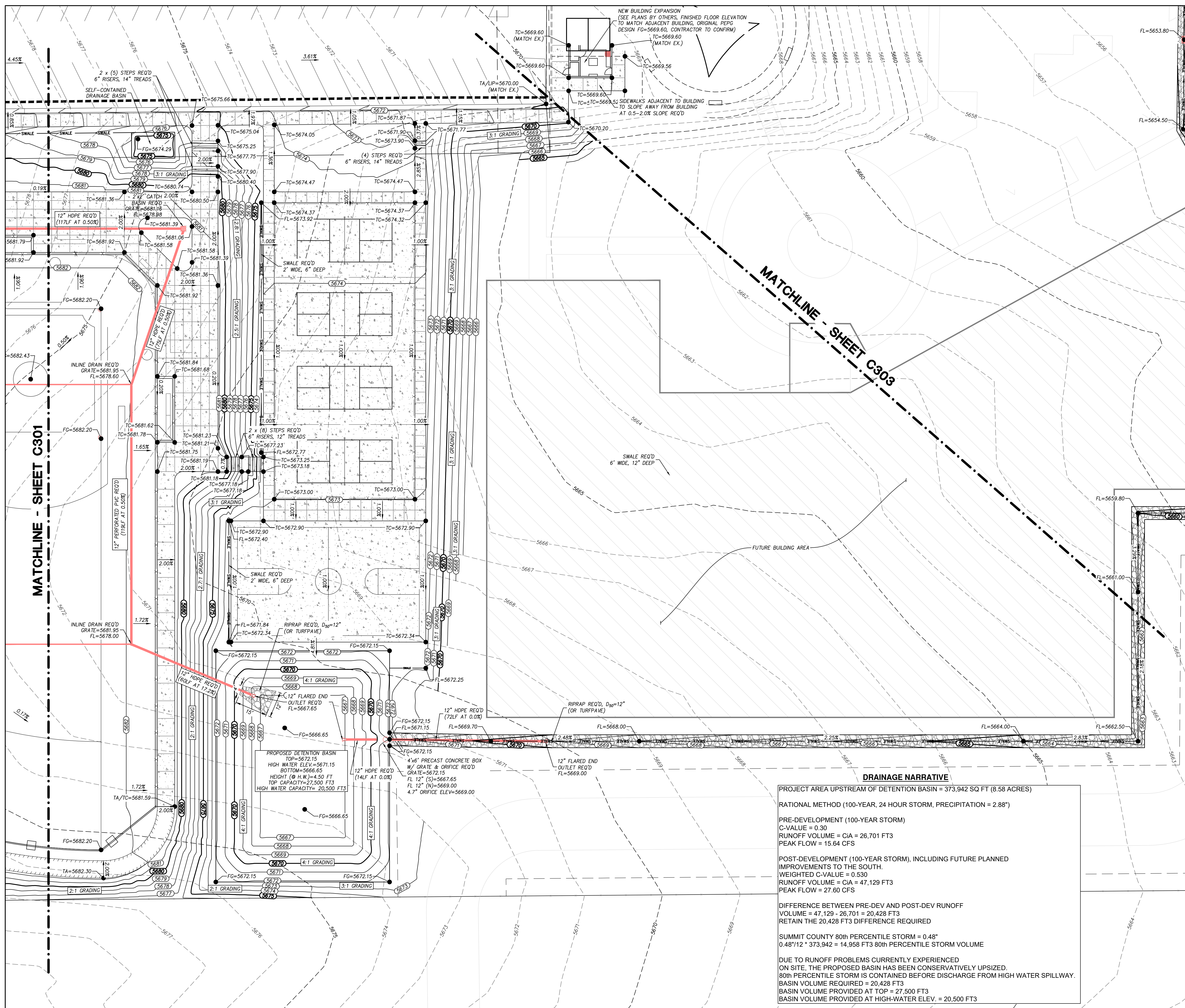
PRE-DEVELOPMENT (100-YEAR STORM)  
C-VALUE = 0.30  
RUNOFF VOLUME = CIA = 26,701 FT3  
PEAK FLOW = 15.64 CFS

POST-DEVELOPMENT (100-YEAR STORM), INCLUDING FUTURE PLANNED IMPROVEMENTS TO THE SOUTH.  
WEIGHTED C-VALUE = 0.530  
RUNOFF VOLUME = CIA = 47,129 FT3  
PEAK FLOW = 27.60 CFS

DIFFERENCE BETWEEN PRE-DEV AND POST-DEV RUNOFF  
VOLUME = 47,129 - 26,701 = 20,428 FT3  
RETAIN THE 20,428 FT3 DIFFERENCE REQUIRED

SUMMIT COUNTY 80th PERCENTILE STORM = 0.48"  
0.48"/12" \* 373,942 = 14,958 FT3 80th PERCENTILE STORM VOLUME

DUE TO RUNOFF PROBLEMS CURRENTLY EXPERIENCED ON SITE, THE PROPOSED BASIN HAS BEEN CONSERVATIVELY UPSIZED. 80th PERCENTILE STORM IS CONTAINED BEFORE DISCHARGE FROM HIGH WATER SPILLWAY.  
BASIN VOLUME REQUIRED = 20,428 FT3  
BASIN VOLUME PROVIDED AT TOP = 27,500 FT3  
BASIN VOLUME PROVIDED AT HIGH-WATER ELEV. = 20,600 FT3

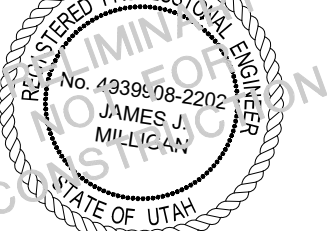


**NORTH SUMMIT RECREATION  
NSSRD OUTDOOR SPORTS COMPLEX**  
235 S Beacon Hill Dr,  
Coalville, UT 84017

**REVISIONS**

NO.	DESCRIPTION

Stamp



Designed By: RPB  
 Drawn By: RPB  
 Date: 7/21/2023  
 Checked By: JMM  
 Project No: 21-252

Drawing Title

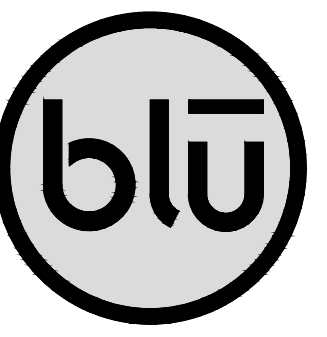
GRADING & DRAINAGE PLAN

Drawing Number

**C302**

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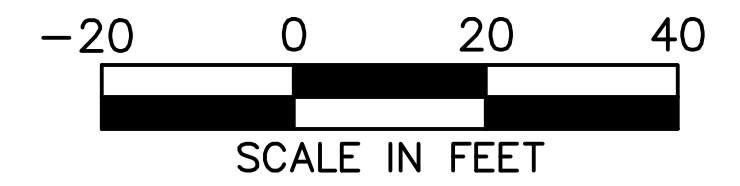
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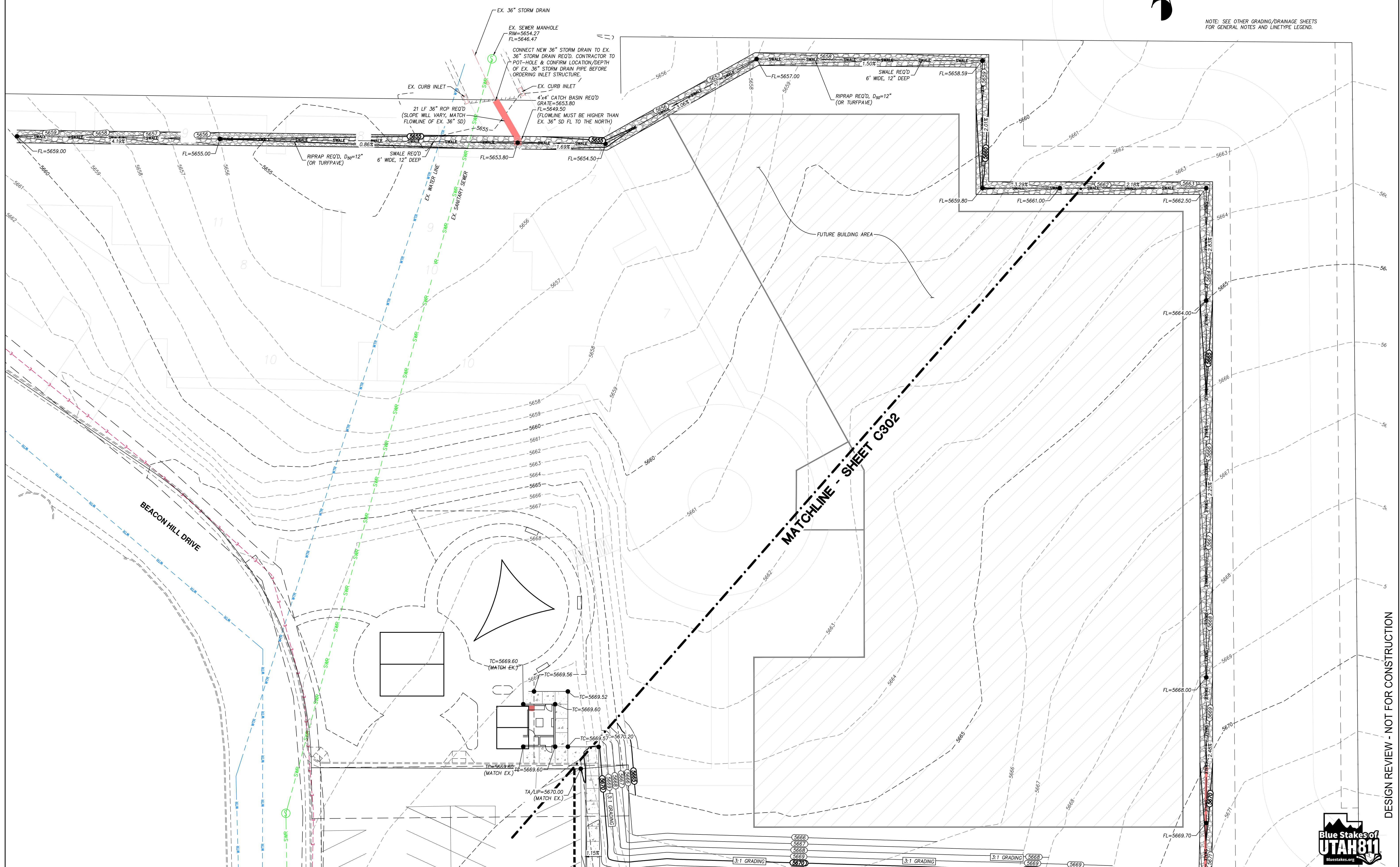
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9270 SOUTH 300 WEST, SUITE A-2  
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P: (801) 562-2521



NOTE: SEE OTHER GRADING/DRAINAGE SHEETS FOR GENERAL NOTES AND LINETYPE LEGEND.

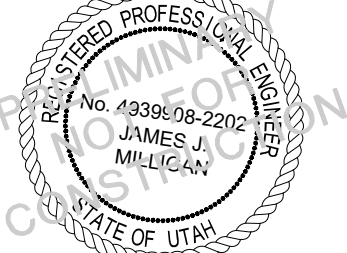


**NORTH SUMMIT RECREATION  
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235 S Beacon Hill Dr,  
Coalville, UT 84017

REVISIONS

NO.	DESCRIPTION

Stamp



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Drawn By: RPB  
Date: 7/21/2023  
Checked By: JMM  
Project No: 21-252

Drawing Title

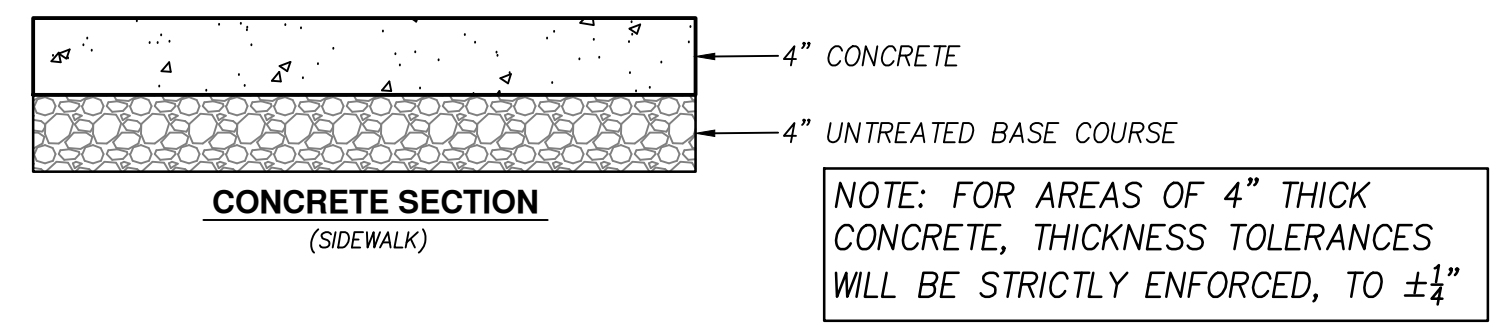
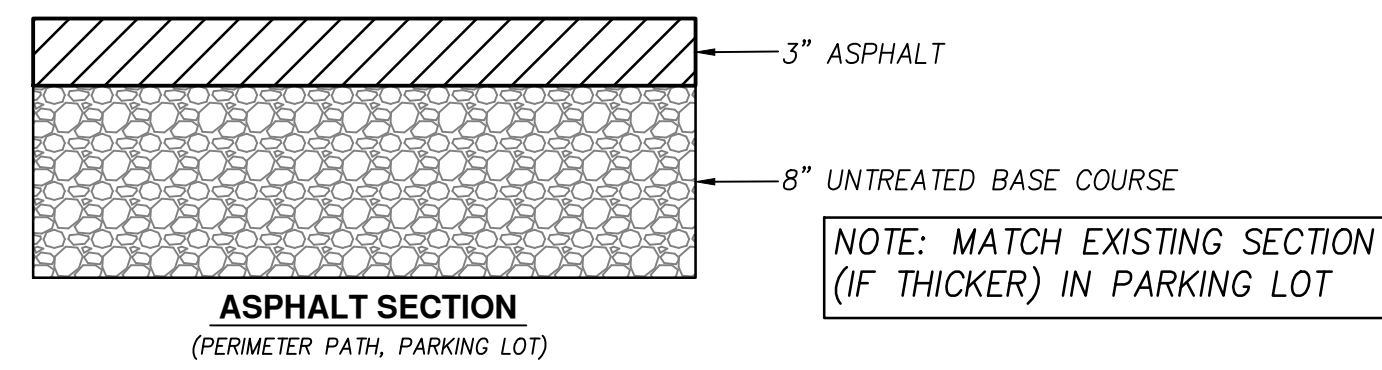
**GRADING &  
DRAINAGE PLAN**

Drawing Number

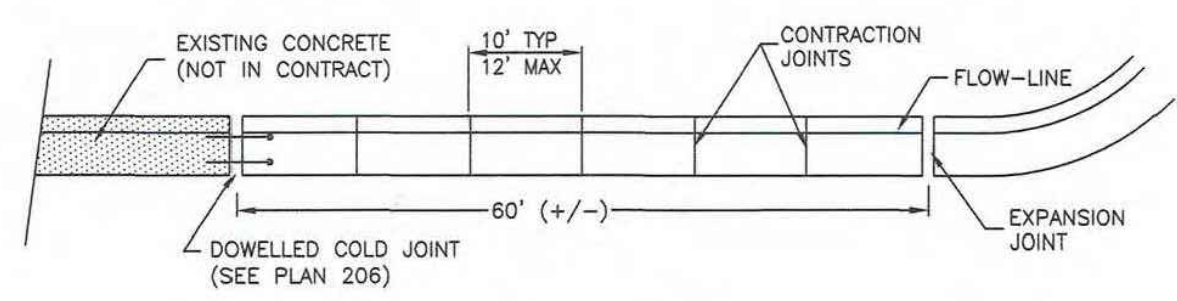
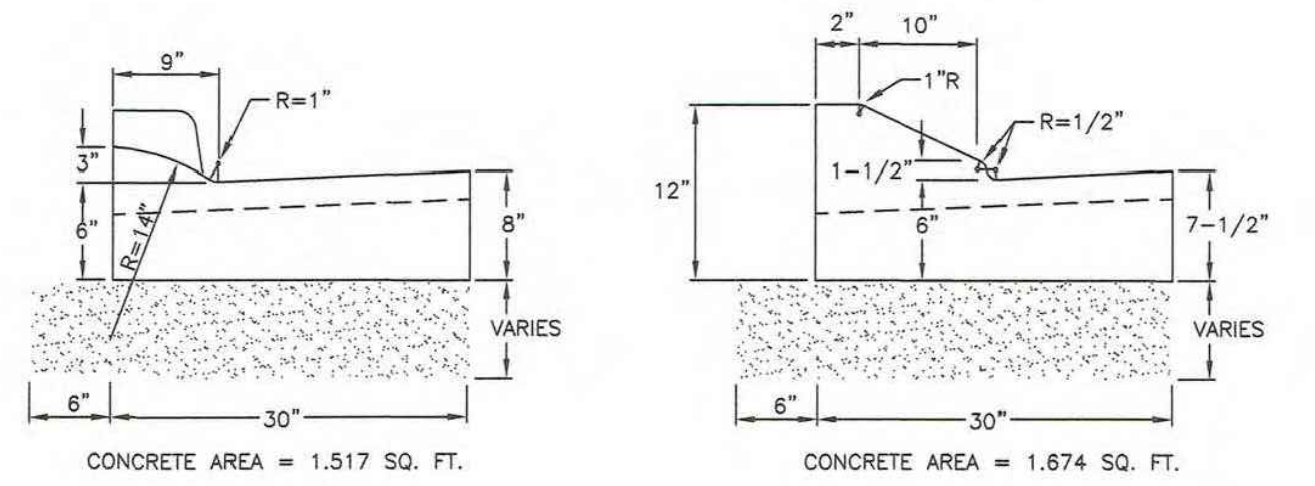
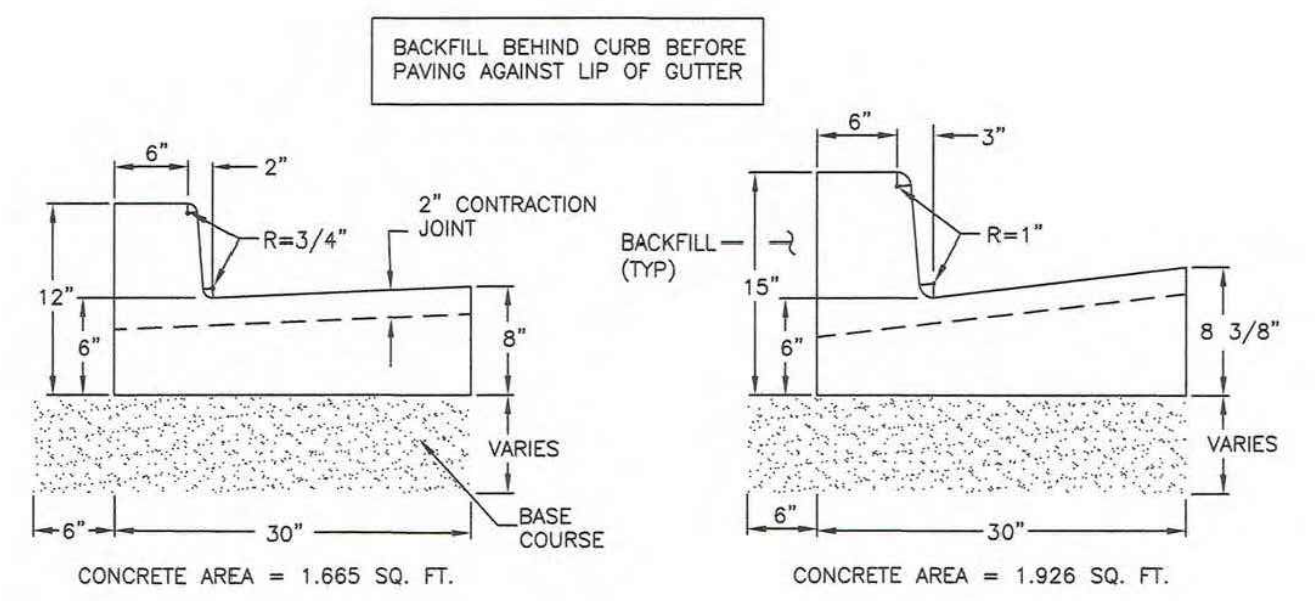
**C303**

DESIGN REVIEW - NOT FOR CONSTRUCTION



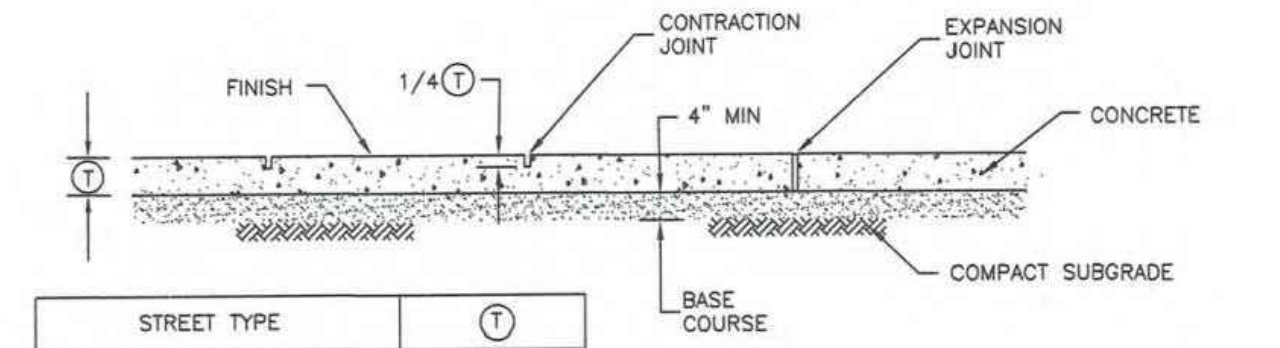
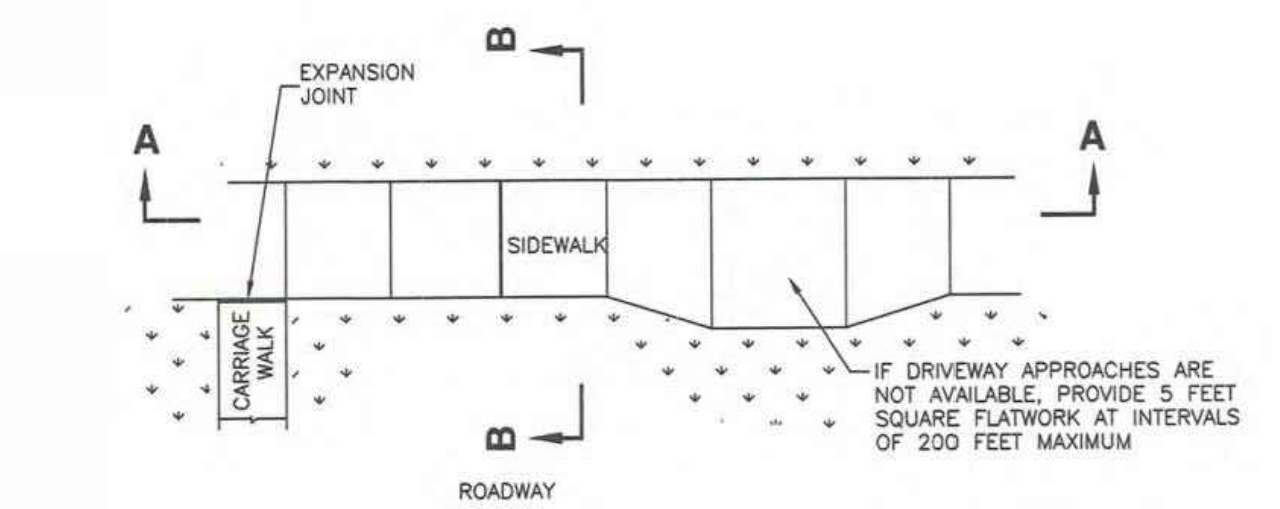


**DETAIL-1**  
**PAVEMENT SECTIONS**  
(NOT TO SCALE)



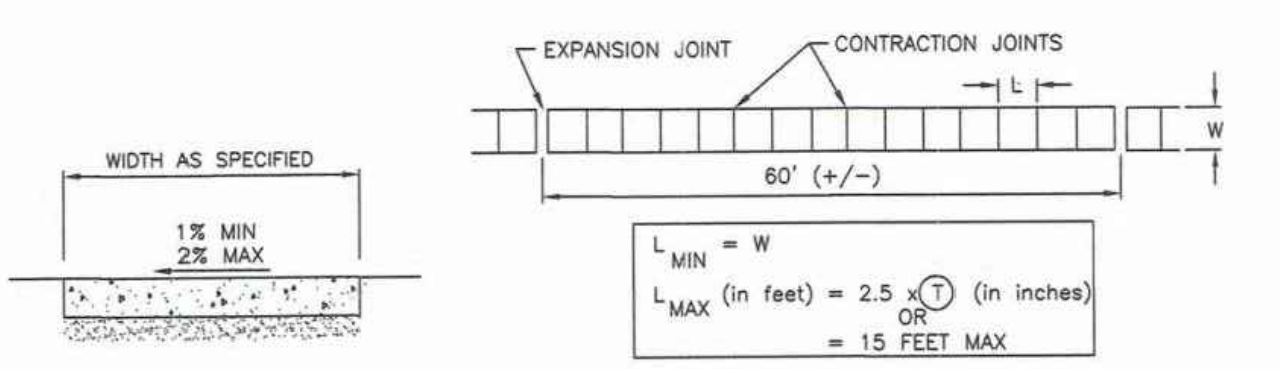
**Curb and gutter**  
Plan **205.1**  
December 2008

**DETAIL-2**  
**CURB & GUTTER**  
(SEE APWA STANDARD PLAN #205.1)



STREET TYPE	(T)
RESIDENTIAL (WITH PARK STRIP)	4"
RESIDENTIAL (NO PARK STRIP)	6"
OTHER	6"
REPLACING EXISTING SIDEWALK	MATCH EXISTING (4" MIN.)

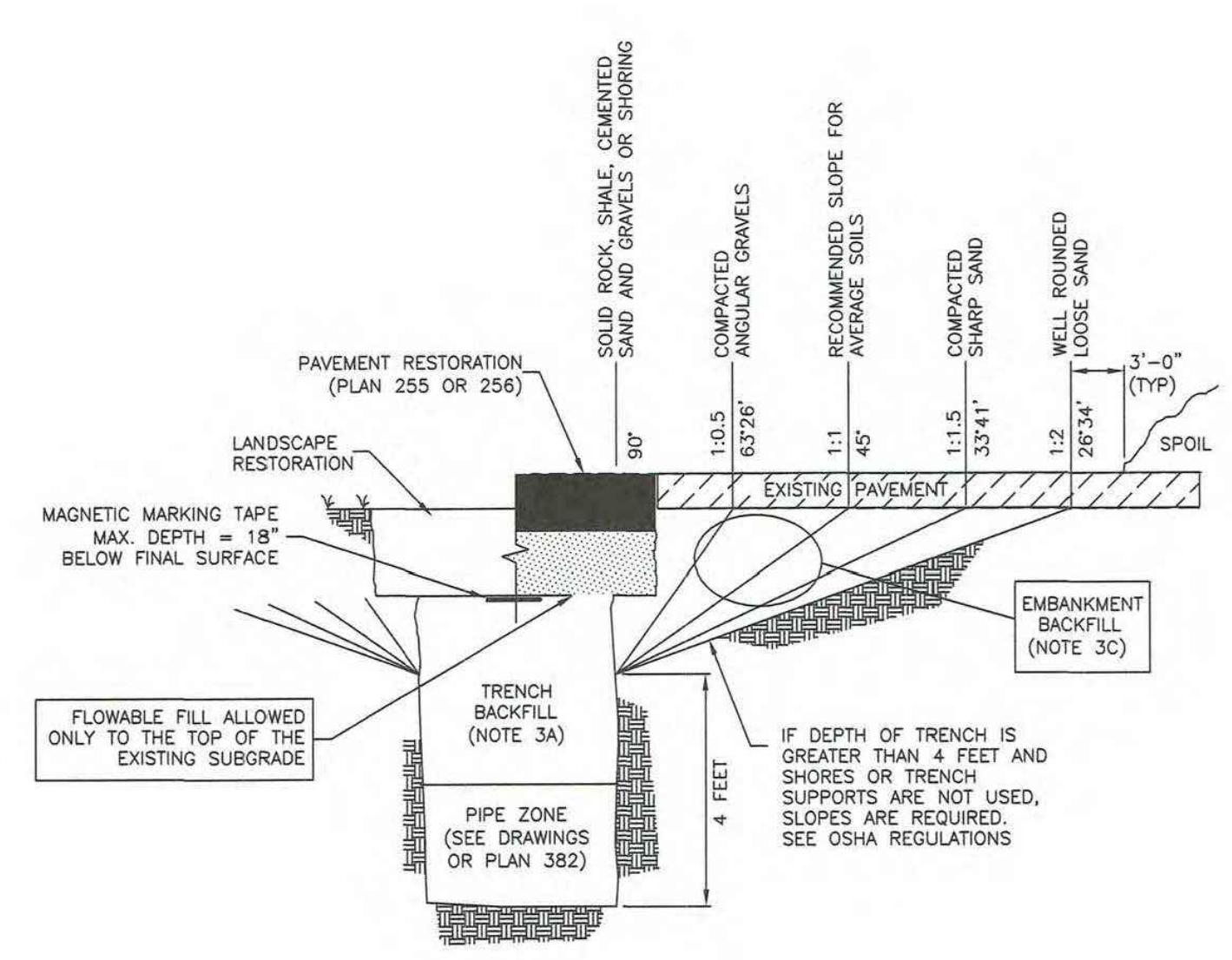
SEE DRIVEWAY APPROACH PLANS FOR SIDEWALK THICKNESS AT DRIVEWAYS



**Sidewalk**  
Plan **231**  
March 2009

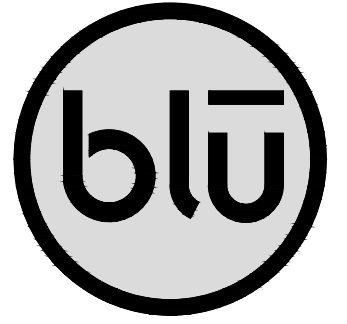
**DETAIL-3**  
**SIDEWALK**  
(SEE APWA STANDARD PLAN #231)

NARRATIVE: THIS PLAN SHOWS VARIOUS SLOPES RECOMMENDED FOR VARIOUS TYPES OF SLOPE STABILITY PROBLEMS. THE VERTICAL TEXT INDICATES VARIOUS MATERIALS THAT MAY BE ENCOUNTERED. THE SERVICES OF A PROFESSIONAL SOILS ENGINEER SHOULD BE USED TO VERIFY SLOPE STABILITY.



**Trench backfill**  
Plan **381**  
July 2016

**DETAIL-4**  
**TRENCH BACKFILL**  
(SEE APWA STANDARD PLAN #381)



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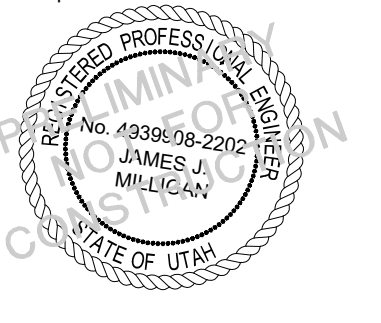
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**NORTH SUMMIT RECREATION  
NSSRD OUTDOOR SPORTS COMPLEX**  
235 S Beacon Hill Dr,  
Coalville, UT 84017

REVISIONS

NO.	DESCRIPTION



Designed By: RPB  
Drawn By: RPB  
Date: 7/21/2023  
Checked By: JMM  
Project No: 21-252

Drawing Title  
**TYPICAL SECTIONS & DETAILS**

Drawing Number  
**C400**

DESIGN REVIEW - NOT FOR CONSTRUCTION







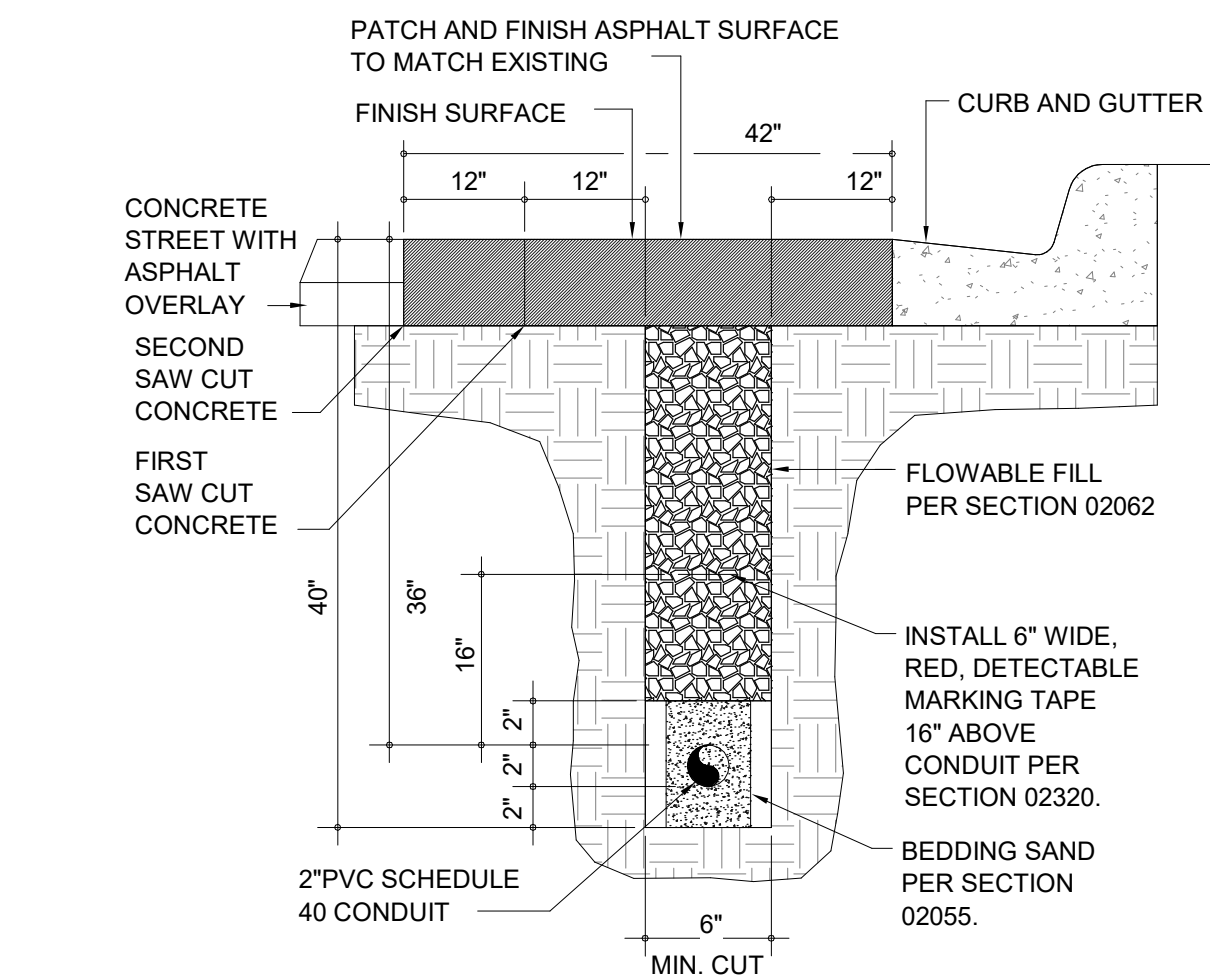


### LIGHT POLE PIER FOOTING SCHEDULE<sup>1</sup>

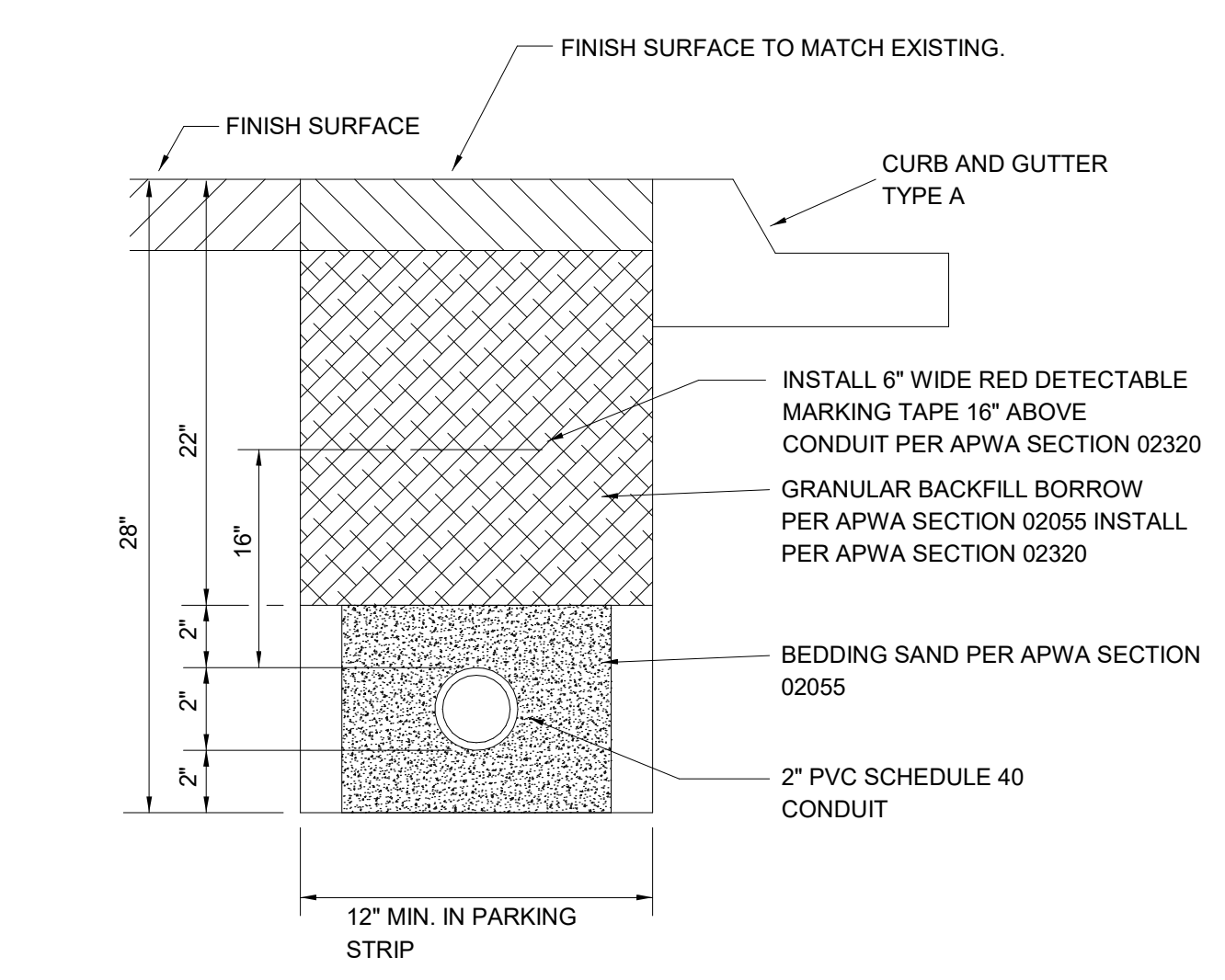
LEGEND  
 X<sup>n</sup> — SUPERSCRIPT, SEE CORRESPONDING NOTE

WIND SPEED (mph)	MAX EPA (FT)	LIGHT POLE HEIGHT (ft)	LIGHT POLE DIA (in) max	FOOTING DIAMETER d (in)	h=MIN FOUNDATION <sup>2</sup> EMBED. (ft)	VERTICAL REINF. BAR SIZE	VERTICAL BAR QUANTITY	CIRC. TIE BAR SIZE	CIRC. TIE SPACING (in)
120	2	30	8	24	7'-6"	#5	8	#4	12" O.C.
120	2	25	8	24	6'-6"	#5	8	#4	12" O.C.
120	2	20	8	24	6'-0"	#5	8	#4	12" O.C.
120	2	15	8	24	5'-0"	#5	8	#4	12" O.C.
120	2	10	8	24	4'-6"	#5	8	#4	12" O.C.
120	2	30 <sup>3</sup>	8	18	-	-	-	-	-
120	2	25 <sup>3</sup>	8	18	-	-	-	-	-
120	2	20	8	18	6'-0"	#5	5	#4	12" O.C.
120	2	15	8	18	5'-0"	#5	5	#4	12" O.C.
120	2	10	8	18	4'-6"	#5	5	#4	12" O.C.
120	2	30 <sup>3</sup>	6	16	-	-	-	-	-
120	2	25 <sup>3</sup>	6	16	-	-	-	-	-
120	2	20	6	16	6'-6"	#5	4	#4	12" O.C.
120	2	15	6	16	5'-6"	#5	4	#4	12" O.C.
120	2	10	6	16	4'-6"	#5	4	#4	12" O.C.

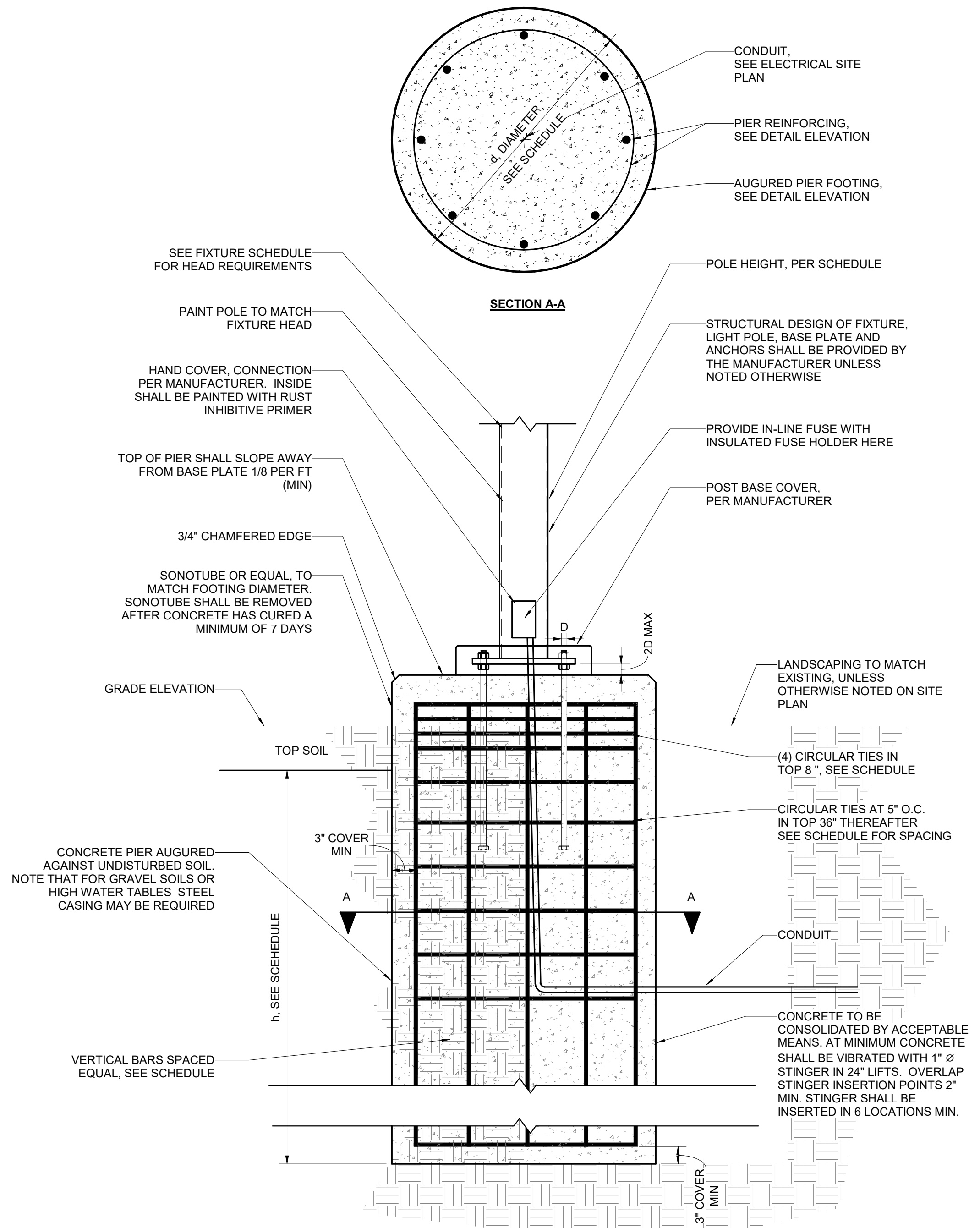
NOTE:  
 1. CONTRACTOR SHALL SUBMIT DEFERRED SUBMITTAL FOR LIGHT POST FOOTING TO ENGINEER OF RECORD. SCHEDULE ABOVE IS FOR BIDDING PURPOSES ONLY.  
 2. SCHEDULE ABOVE ASSUMES CLAY OR SILT SOIL CONDITIONS WITH SEISMIC CLASS D AND DEFAULT SOIL PARAMETERS FROM IBC SECTION 1806.2  
 3. EXCEEDS THE MAXIMUM BEARING CAPACITY OF 1500 PSF. VERIFY ALLOWABLE SOIL BEARING WITH SOILS REPORT.  
 4. TOP SOIL SHALL NOT BE USED TO RESIST LATERAL LOAD IN FOOTING. THE EMBED DEPTH IN THE TABLE SHALL BE BEGIN BELOW THE BASE OF THE TOP SOIL AS SHOWN IN THE ELEVATION.  
 5. SECTION VIEW IS FOR VISUAL REPRESENTATION ONLY. VERIFY BAR QUANTITY WITH SCHEDULE 60,000 PSI REBAR YIELD STRENGTH  
 6. CONCRETE MIX SHALL BE FOR EXTERIOR CONCRETE SUBJECT TO FREEZE THAW CONDITIONS WITH THE MINIMUM PROPERTIES.  
 A. 3000 PSI  
 B. TYPE II PORTLAND CEMENT  
 C. WATER TO CEMENT RATIO = 0.5%  
 D. AIR ENTRAINMENT = 5%  
 E. MAX AGGREGATE SIZE = 1"  
 F. CONCRETE EXPOSURE CLASS = F2, S0, C1  
 G. 4" SLUMP BEFORE ADDITION OF PLASTICIZER



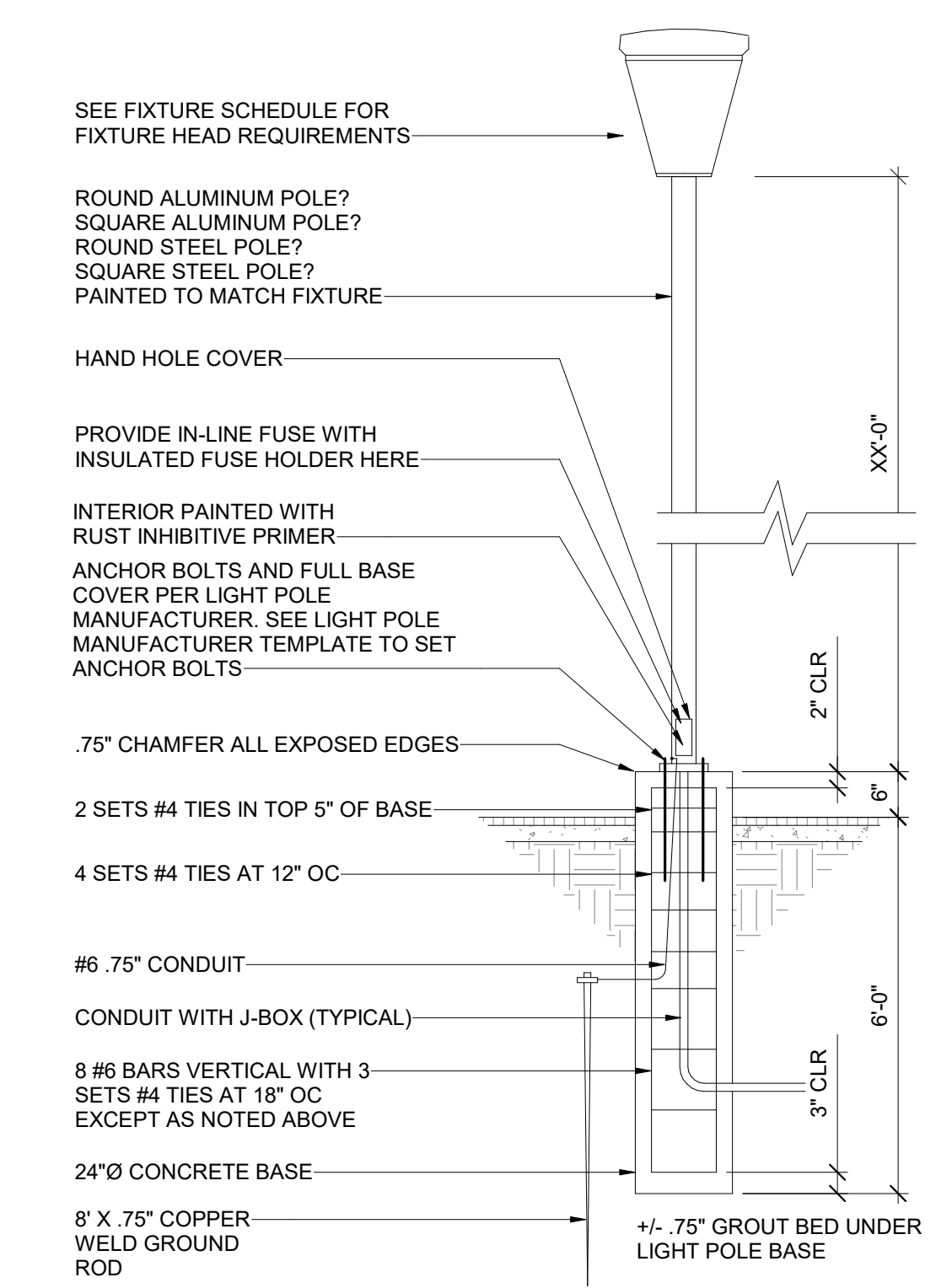
4 TRENCH DETAIL - IN STREET  
 SCALE: NTS



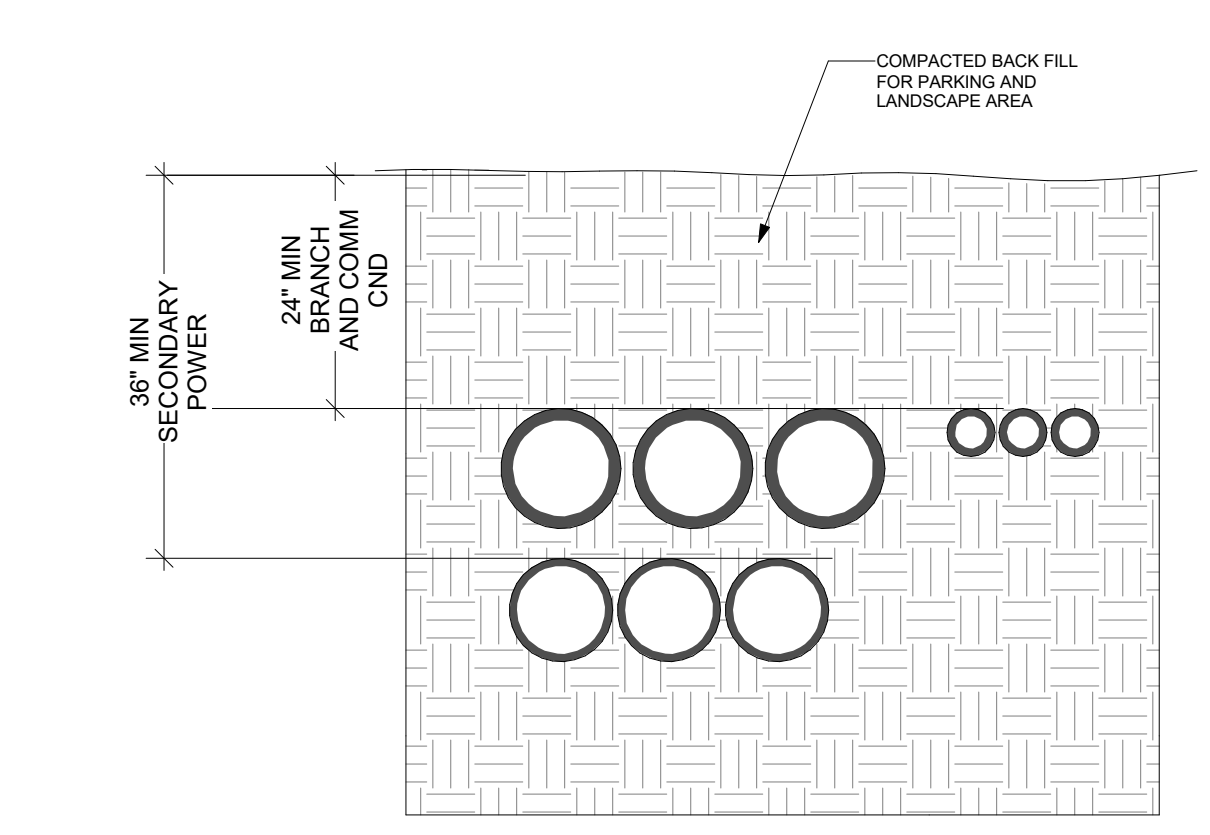
2 TRENCH DETAIL - NON TRAFFIC AREA  
 SCALE: NTS



8 TYPICAL LIGHT POLE FOOTING SCHEDULE  
 SCALE: NTS

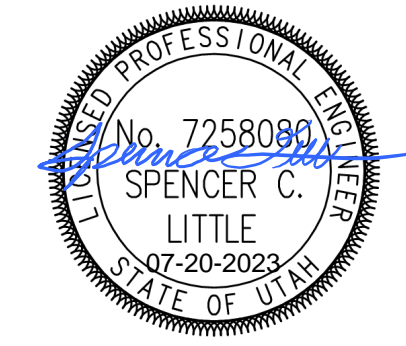


7 WALKWAY LIGHT POLE BASE DETAIL  
 SCALE: NTS



3 TYPICAL CONDUIT DIRECT BURY DETAIL  
 SCALE: NTS

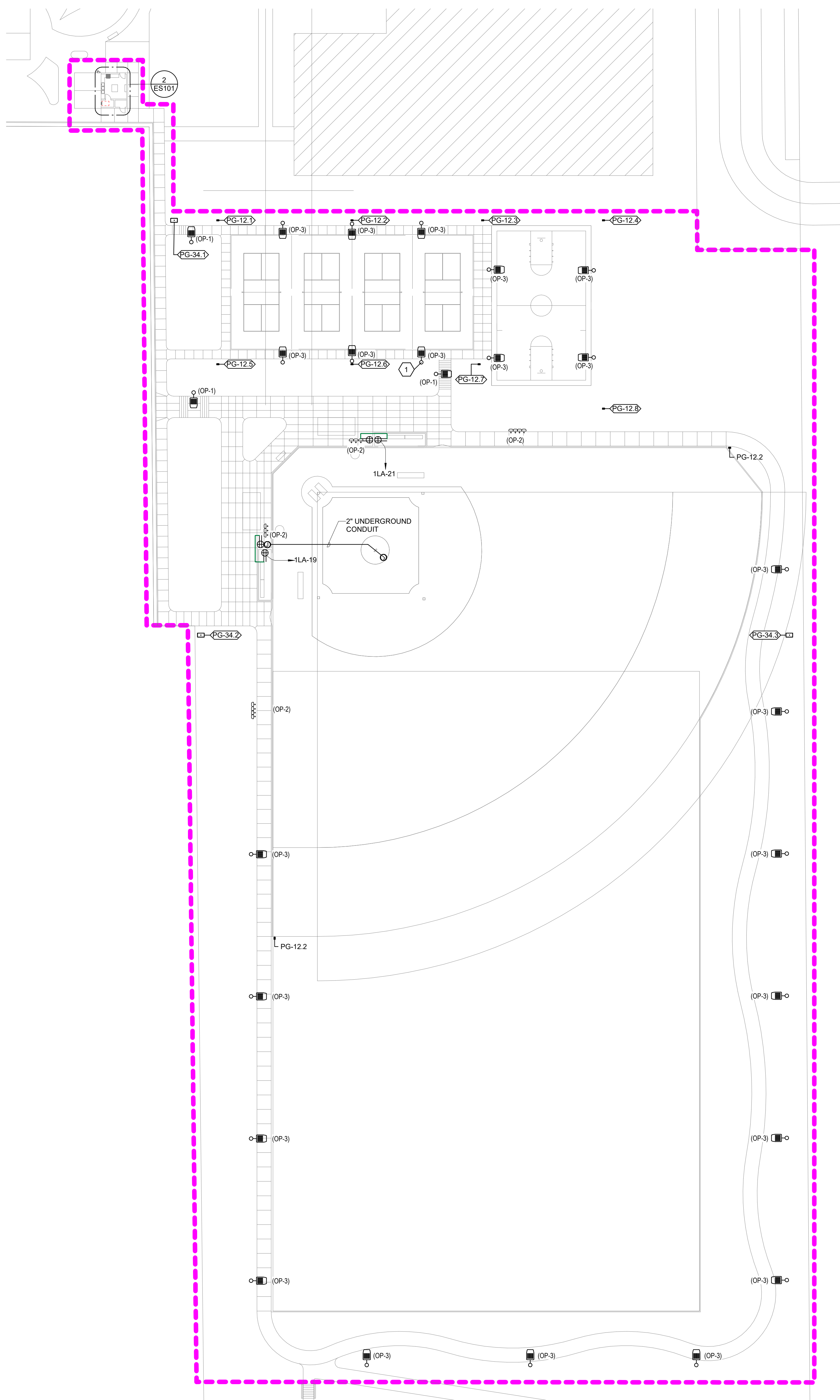
NO.	REVISIONS	DATE



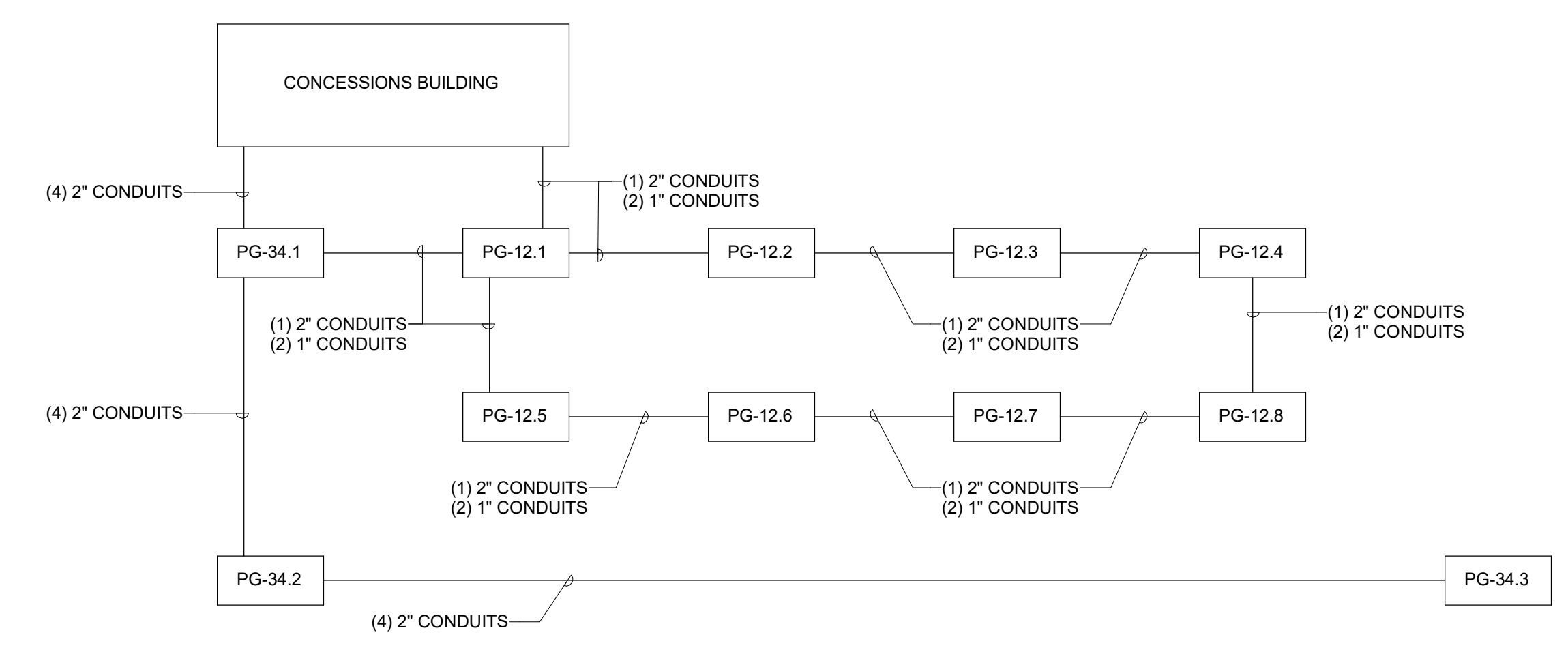
Designed By: JLN  
 Drawn By: AJM  
 Date: 07/17/23  
 Checked By: SCL  
 Project No: 23081

Drawing Title  
**SITE ELECTRICAL DETAILS**

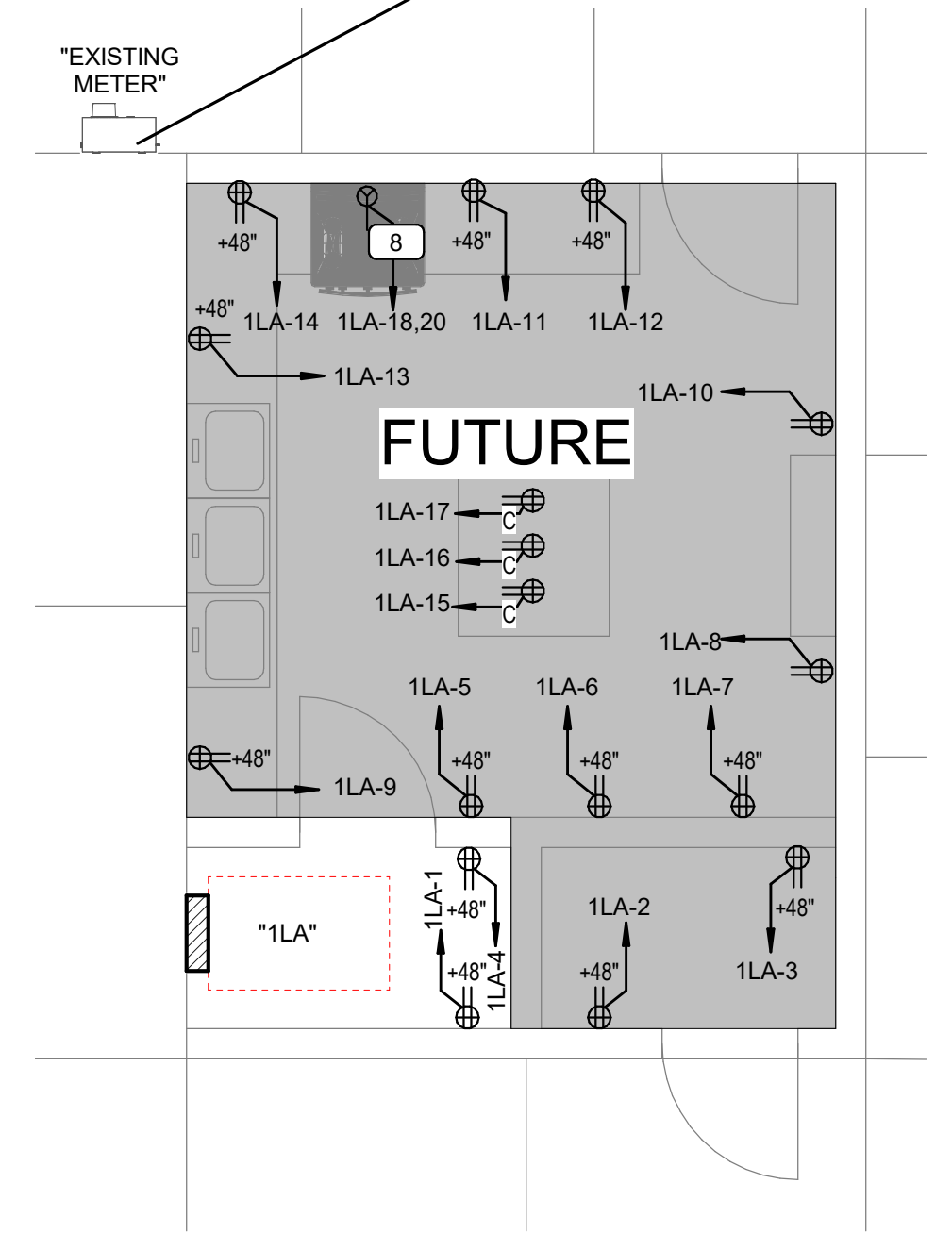
Drawing number



**1 SPORTS COMPLEX ELECTRICAL SITE PLAN**  
SCALE: 1" = 30'-0"



**3 POWER RACEWAY RISER DIAGRAM**  
SCALE: 1/8" = 1'-0"



**2 ENLARGED CONCESSIONS**  
SCALE: 1/4" = 1'-0"

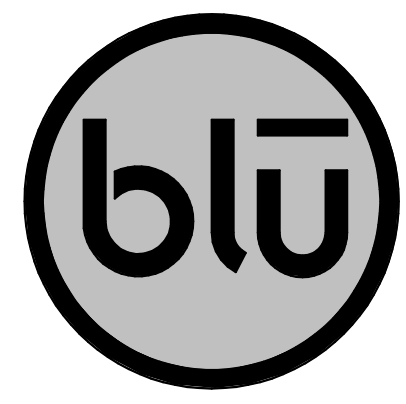


**GENERAL SHEET NOTES**

- 1 THE ELECTRICAL CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PERFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS EQUIPMENT AND ROUTING. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WEATHER SHOWN ON THE DRAWINGS OR NOT.
- 2 FOR ALL LIGHT FIXTURES, POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.
- 3 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.
- 4 CONTRACTOR SHALL INSTALL POLE MOUNTED LIGHTS IN STRAIGHT LINES, SQUARE, AND PLUMB. COORDINATE WITH ARCHITECT AND CIVIL DRAWINGS. CONTRACTOR SHALL INSTALL POLE MOUNTED LIGHTS IN STRAIGHT LINES, SQUARE, AND PLUMB. COORDINATE WITH ARCHITECT AND CIVIL DRAWINGS.
- 5 THE ELECTRICAL CONTRACTOR SHALL HAVE ANY AND ALL CONCRETE POLE BASES AND SLABS REVIEWED BY A STRUCTURAL ENGINEER AND SHALL MODIFY DESIGN PER STRUCTURAL ENGINEER'S AND OR AHJ'S RECOMMENDATIONS.
- 6 THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE/ASPHALT CUTTING AND REPLACEMENT OF CONCRETE/ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.
- 7 REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
- 8 PROVIDE SERVICE RATED EQUIPMENT AT EACH SERVICE ENTRANCE.
- 9 SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. VERIFY OR RE-CALCULATE THE AVAILABLE FAULT CURRENT AT THE SERVICE WHERE MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR. PLEASE INCLUDE NOTES IN THE ELECTRICAL DRAWINGS OR SUPPLY CALCULATIONS WHERE APPLICABLE. SEE NEC 110.24. (B)

**SHEET KEYNOTES**

- 1 LOCATE TIMER SWITCH AND SEE DETAIL 1 ON SHEET EL601



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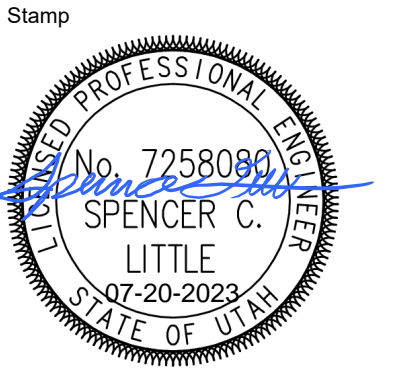
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**NORTH SUMMIT RECREATION  
NSSRD OUTDOOR SPORTS COMPLEX**  
235 S BEACON HILL DR,  
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NO.	REVISIONS	DATE



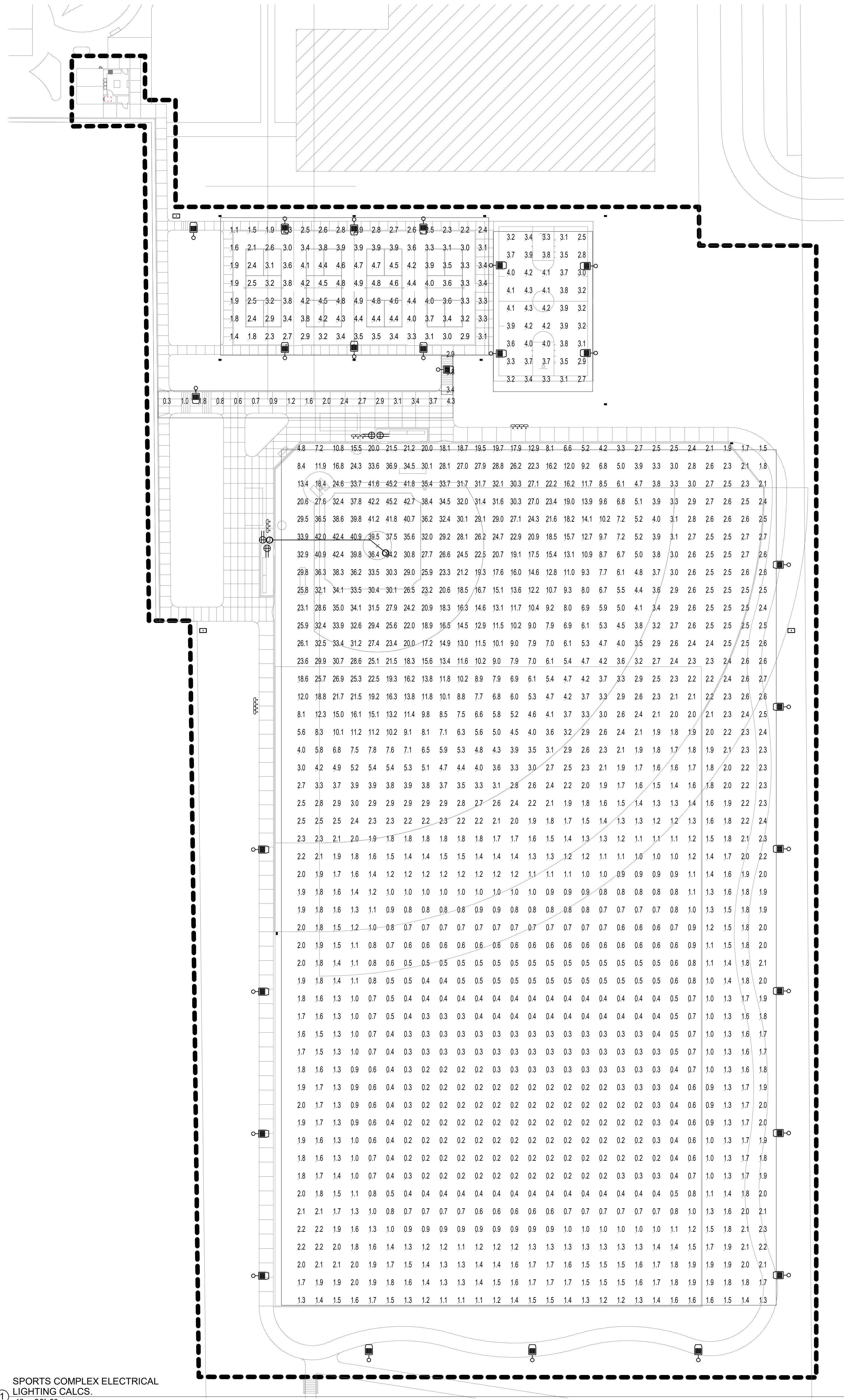
Designed By: JLN  
Drawn By: AXM  
Date: 07/17/23  
Checked By: SCL  
Project No: 23081

Drawing Title  
**ELECTRICAL  
SITE PLAN**

Drawing number

DESIGN REVIEW - NOT FOR CONSTRUCTION

**ES101**

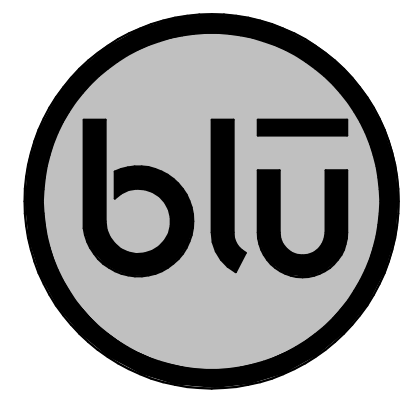


SPORTS COMPLEX ELECTRICAL  
 1 LIGHTING CALCS.  
 1" = 30'-0"

**GENERAL SHEET NOTES**

- 1 CENTER ALL CEILING MOUNTED LIGHT FIXTURES AND DEVICES SHALL BE CENTERED IN CEILING TILE, UNLESS OTHERWISE NOTED.
- 2 CIRCUIT ALL EXIT SIGNS TO NEAREST UNSWITCHED LEG OF EMERGENCY LIGHTING CIRCUIT.
- 3 ALL ENCLOSED SPACES SHALL HAVE MANUAL ON LIGHTING CONTROL WITH AUTOMATIC OFF VIA DUAL TECHNOLOGY SENSOR OR TIME CLOCK. SENSOR(S) SHALL PROVIDE A MINIMUM OF 90 PERCENT COVERAGE IN SPACE. PROVIDE ADDITIONAL SENSORS AS REQUIRED. COMPLY WITH 2018 IECC SECTION C405.
- 4 PROVIDE DAYLIGHTING CONTROL FOR ALL LIGHTING WITH IN DAYLIGHT ZONE AS DEFINED BY THE 2018 IECC. PROVIDE DIMMING LIGHTING FIXTURES AND DAYLIGHT SENSOR PHOTOCELL.
- 5 INSTALL LIGHT FIXTURES IN LINE AND CENTERED.
- 6 COORDINATE ALL LIGHT FIXTURE MOUNTING HEIGHTS WITH ARCHITECT.
- 7 ARCHITECT TO SELECT ALL LIGHT FIXTURE FINISHES.
- 8 LOCATE ALL VACANCY/OCCUPANCY SENSORS MINIMUM OF 6 FEET FROM SUPPLY AIR DIFFUSERS AND 3 FEET FROM RETURN AIR DIFFUSERS.
- 9 ALL CEILING AND WALL MOUNTED SENSORS SHALL BE DUAL TECHNOLOGY WITH BUILT IN LIGHT LEVEL SENSOR AND BASH/VAC ISOLATED RELAY.
- 10 ALL LIGHT FIXTURES THAT PENETRATE FIRE RATED SURFACE/ASSEMBLY SHALL BE IN A FIRE RATED ENCLOSURE OR BE PROVIDED WITH A FIRE RATED ASSEMBLY (LISTED PUTTY PADS) TO MAINTAIN A FIRE RATING OR SURFACE PENETRATED.
- 11 LOCATE ALL ROOM CONTROLLER IN ACCESSIBLE CEILINGS OR IN THE ELECTRICAL ROOM.

**SHEET KEYNOTES**



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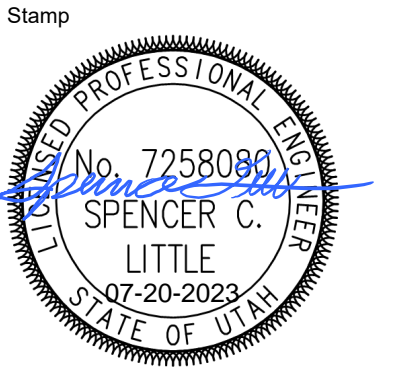
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NO.	REVISIONS	DATE



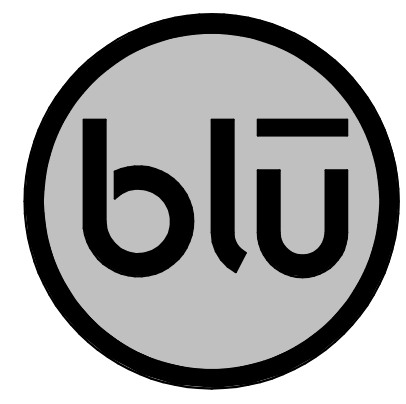
Designed By: SCL  
 Drawn By: BRE  
 Date: 07/17/23  
 Checked By: SCL  
 Project No: 230881

Drawing Title  
**ELECTRICAL  
 SITE LIGHTING  
 CALCULATIONS**

Drawing number

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**ES201**



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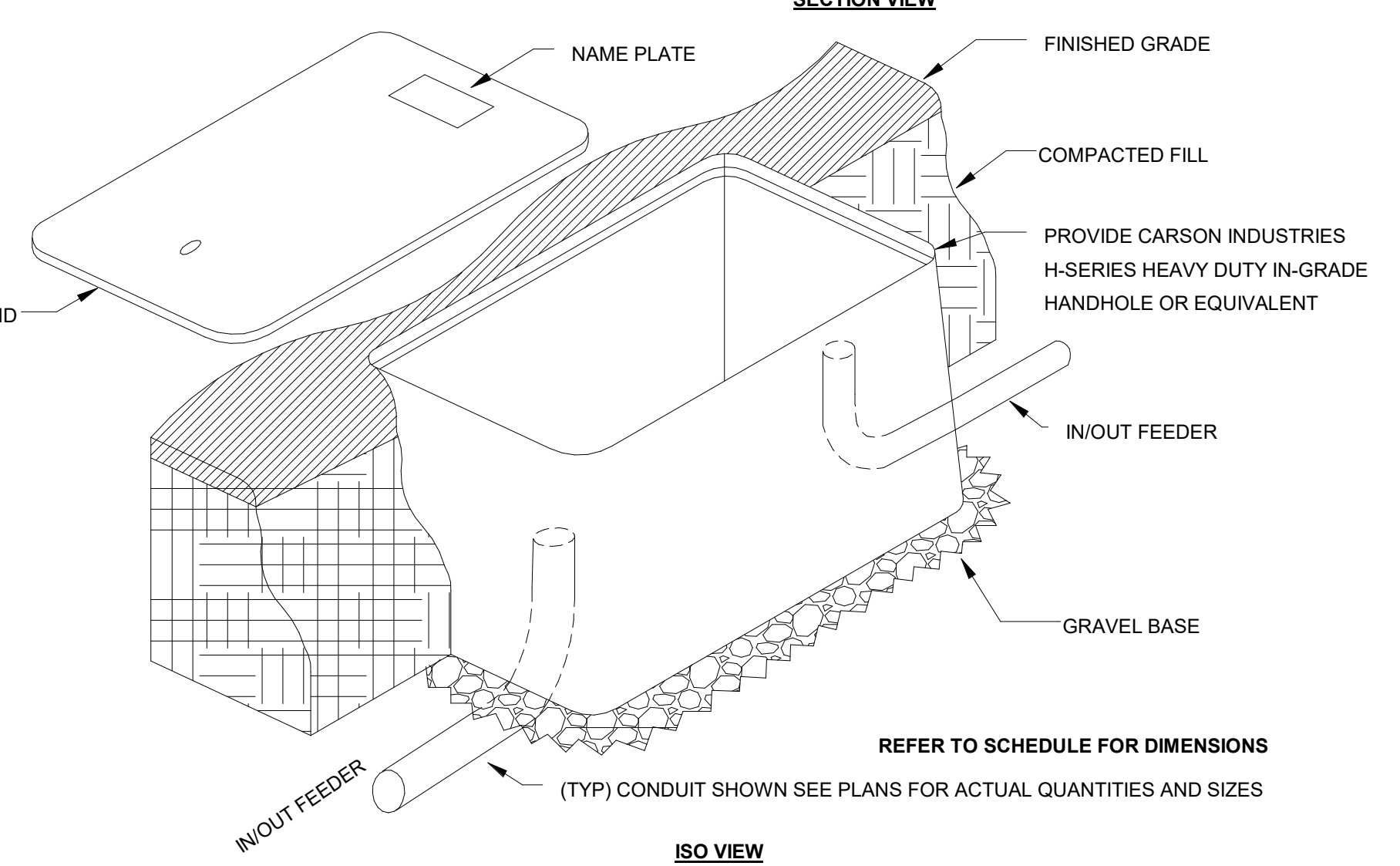
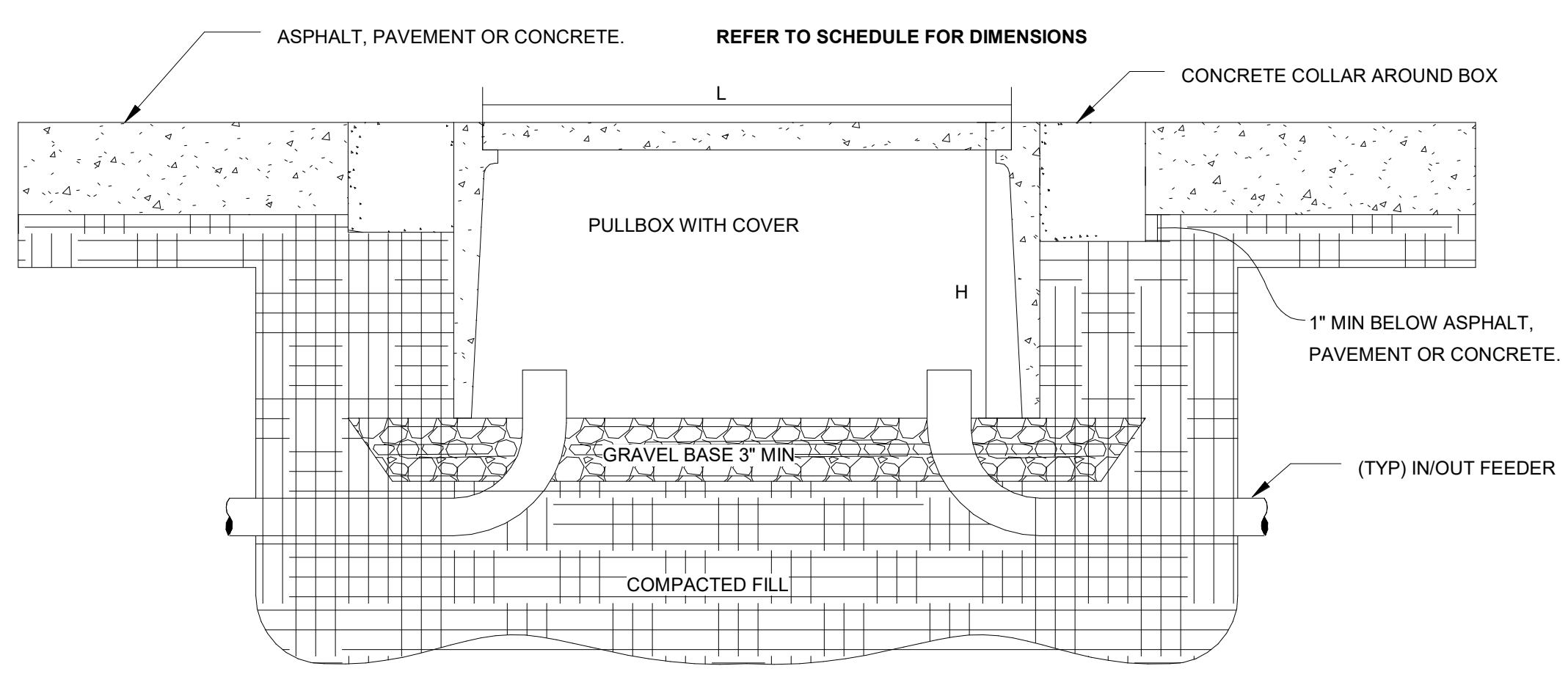
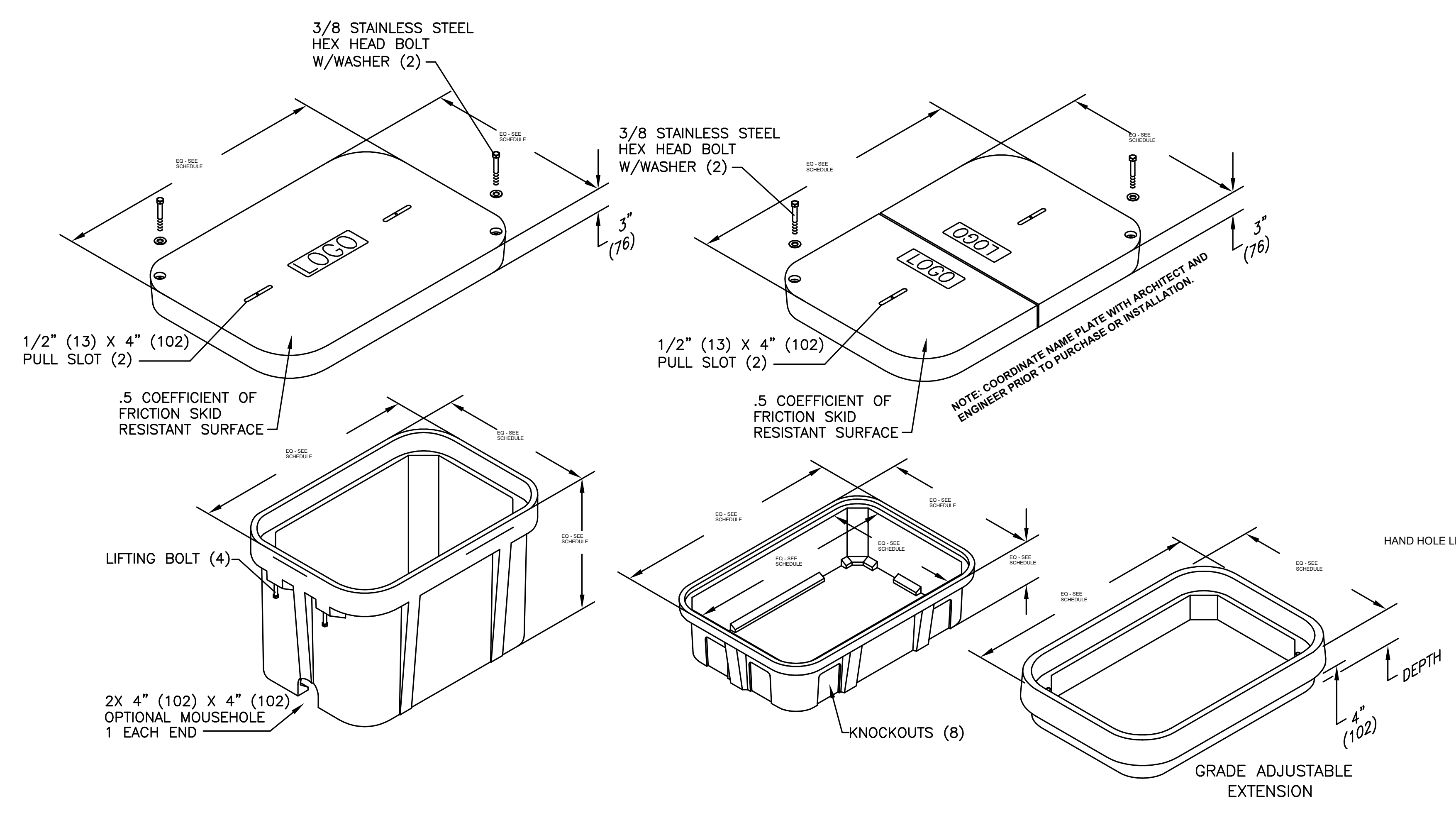
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APPLICATION TIERS	TYPE	DESCRIPTION	BOX OPTIONS	DESCRIPTION	COVER OPTIONS	DESCRIPTION	SYMBOLS LEGEND	PG-34	PG-22	PG-23	PG-22	PG-12	STYLE	DESCRIPTION	IMAGES
LIGHT DUTY	VERTICAL	PEDESTRIAN TRAFFIC ONLY.	BA	BOX WITH OPEN BOTTOM	CA	BOLT DOWN COVER							PG	STRAIGHT SIDES ALLOW FOR EASY ADJUSTMENT OF BOX HEIGHT. THE GRADE LEVEL CHANGE SHOULD BE A MINIMUM OF 1/2". IF A SERVICE BOX WILL BE USED FOR EQUIPMENT ENCLOSURE OR FOR NEW AND EXISTING UTILITIES, IT MUST BE TO THE UNDERGROUND SERVICE. PG BOXES ARE STACKABLE FOR INCREASED DEPTH.	
TIER 5	VERTICAL	SIDEWALK APPLICATIONS WITH A SAFETY FACTOR FOR OCCASIONAL ACCIDENTAL VEHICULAR TRAFFIC.	BB	BOX WITH MOUSE HOLES	WA	STANDARD WITH NO BOLTS							PC	THE GRADES FROM FINISHED FLOOR FINISH AND CONCRETE ARE INTERCHANGEABLE WITH MANY PRECAST CONCRETE PARTS. IT IS ALSO NEATABLE FOR COMPACT STORAGE.	
	LATERAL		BC	DIVIDED BOX	LR	CAST IRON 6 4-1/2" X 7-1/2" LID							PX	THE GRADES FROM FINISHED FLOOR FINISH AND CONCRETE ARE INTERCHANGEABLE WITH MANY PRECAST CONCRETE PARTS. IT IS ALSO NEATABLE FOR COMPACT STORAGE.	
TIER 8	VERTICAL	SIDEWALK APPLICATIONS WITH A SAFETY FACTOR FOR OCCASIONAL ACCIDENTAL VEHICULAR TRAFFIC.	BG	GASKETED BOX WITH OPEN BOTTOM	LP	CAST IRON 6"X12" LID							PT	THE GRADES FROM FINISHED FLOOR FINISH AND CONCRETE ARE INTERCHANGEABLE WITH MANY PRECAST CONCRETE PARTS. IT IS ALSO NEATABLE FOR COMPACT STORAGE.	
	LATERAL		DA	BOX WITH SOLID BOTTOM	LQ	CAST IRON 9"X12" LID							PD	THESE ENCLOSURES FEATURE A 1 DEGREE FLARE FOR MAXIMUM STRENGTH. A 1/2" MIN. DESIGN OPTIMIZED INTERNAL VOLUME AND MINIMIZED FRONT HEAVE.	
TIER 15	VERTICAL	DRIVEWAY, PARKING LOT, AND OFF ROAD APPLICATIONS SUBJECT TO OCCASIONAL NON-DELIBERATE VEHICULAR TRAFFIC.	DG	GASKETED BOX WITH SOLID BOTTOM	LK	POLYMER CONCRETE 6"X9" DROP-IN LID									
	LATERAL		JA	FOOTED BOX	LL	POLYMER CONCRETE 7" X 13" DROP-IN LID									
TIER 22	VERTICAL	DRIVEWAY, PARKING LOT, AND OFF ROAD APPLICATIONS SUBJECT TO NON-DELIBERATE HEAVY VEHICULAR TRAFFIC.	EA	EXTENSION	LS	THROUGH SLOT (NO METER LID)									
	LATERAL		RA	SOLID BASE EXTENSION	O2	OPENS UNDER 90°									
					OO	USED WITH DROP-IN LID									

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE A SUBMITTAL ON ALL UNDERGROUND ENCLOSURES FOR THIS PROJECT.  
 2. ALL ENCLOSURES SHALL BE UL LISTED.  
 3. CONTRACTOR SHALL COORDINATE THE TIER RATING WITH CIVIL ENGINEER AND ARCHITECT IN THE SUBMITTAL PROCESS.  
 4. CONTRACTOR SHALL ADJUST THE SIZE OF THE ENCLOSURE AS REQUIRED FOR INSTALLATION. SUBMIT AN RFI OR PROVIDE SOME OTHER DOCUMENTATION SO THAT THE DESIGN TEAM AND OWNER UNDERSTAND THIS MODIFICATION PRIOR TO MOVING FORWARD WITH ADJUSTED SIZE OF ENCLOSURE.  
 5. PROVIDE BASIS OF DESIGN (BOD) ENCLOSURE OR PRE-APPROVED EQUAL.

**UNDER GROUND ENCLOSURE SCHEDULE**

ID	IMAGE	BOX DESCRIPTION	LENGTH	WIDTH	DEPTH	ABOVE GRADE HEIGHT	BASIS OF DESIGN MANUFACTURE PART NO.	BOX OPTIONS	COVER LOGO	COVER OPTIONS	STYLE	TRAFFIC TIER NO.
PG-12		UNDERGROUND ENCLOSURE; PRECAST POLYMER CONCRETE WITH REINFORCED WITH FIBER GLASS. PROVIDE WITH BOLT ON COVER.	0' - 11"	1' - 6"	1' - 6"	INSTALL FLUSH WITH GRADE	QUAZITE (PG1324-18)	BA - BOX WITH OPEN BOTTOM	"ELECTRICAL"	WITH TWO BOLTS AND A SINGLE LOGO	PG	TIER 15
PG-34		UNDERGROUND ENCLOSURE; PRECAST POLYMER CONCRETE WITH REINFORCED WITH FIBER GLASS. PROVIDE WITH BOLT ON COVER.	4' - 0"	2' - 6"	1' - 6"	INSTALL FLUSH WITH GRADE (0'-0")	QUAZITE (PG3648 18)	BA - BOX WITH OPEN BOTTOM	"ELECTRICAL"	WITH TWO BOLTS AND A SINGLE LOGO	PG	TIER 15

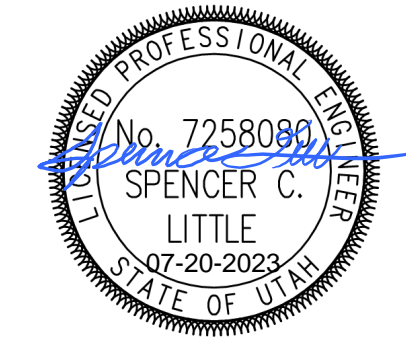


**A1 TYPICAL UNDERGROUND JUNCTION BOX DETAIL**  
 SCALE: NTS

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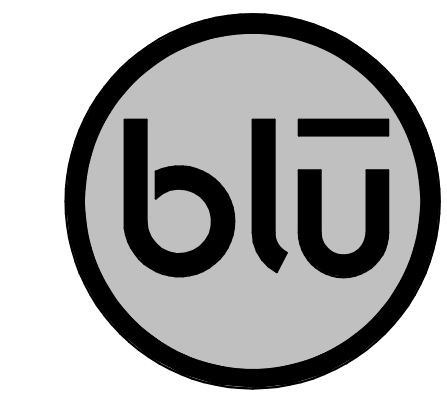


Designed By: JLN  
 Drawn By: AXM  
 Date: 07/17/23  
 Checked By: SCL  
 Project No: 23081

Drawing Title  
**SITE JUNCTION BOX DETAILS**

Drawing number

**ES505**



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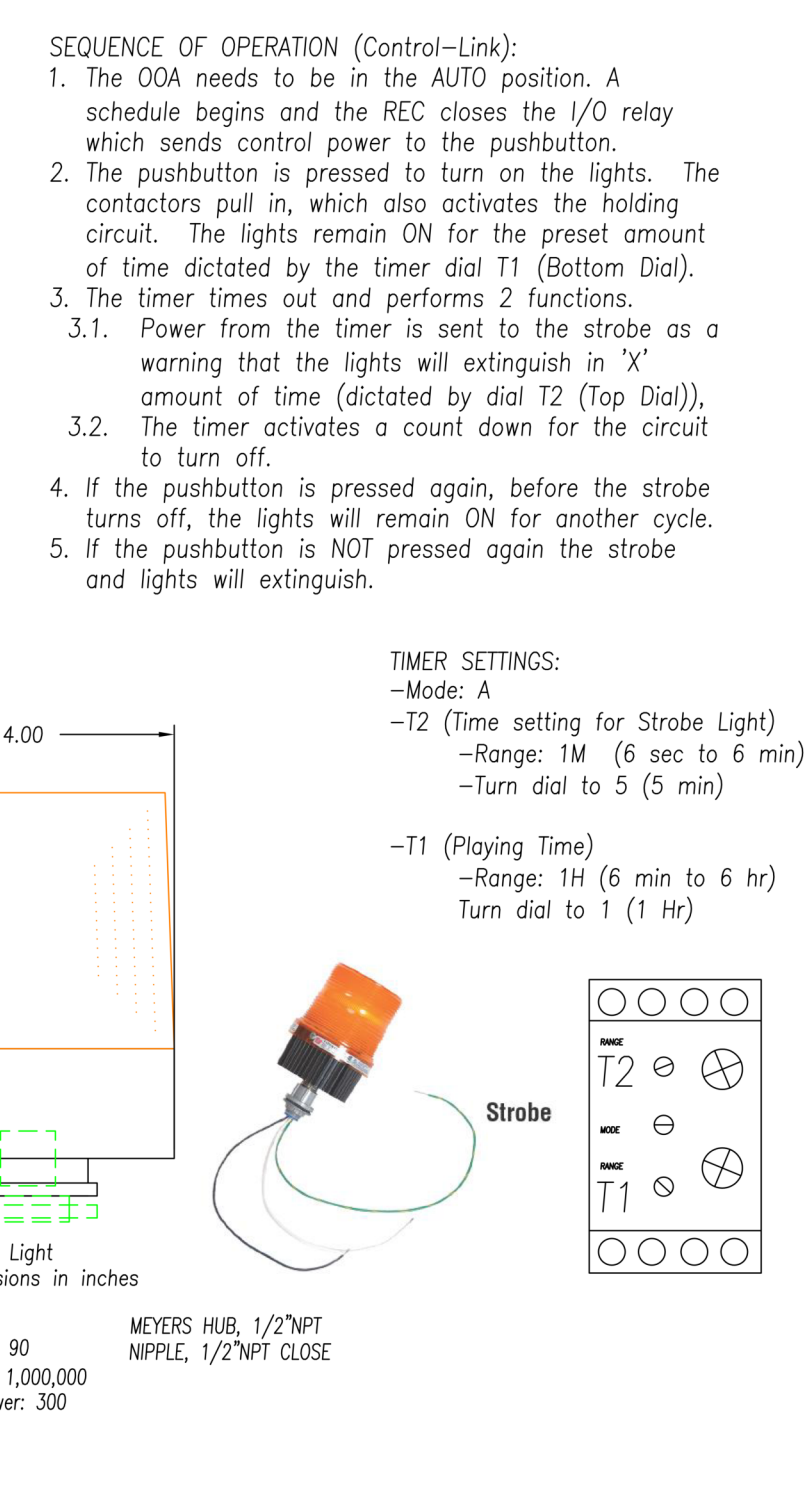
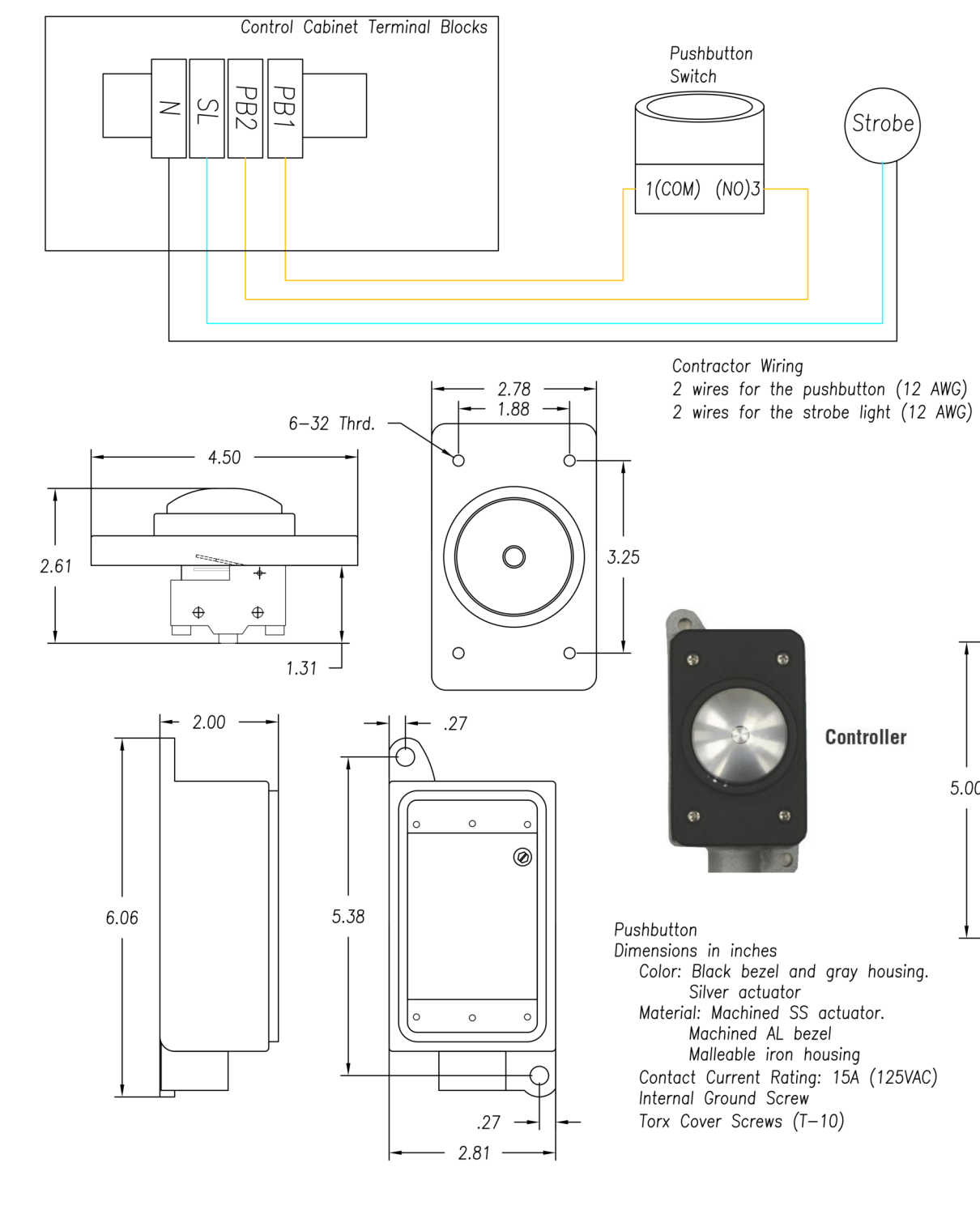
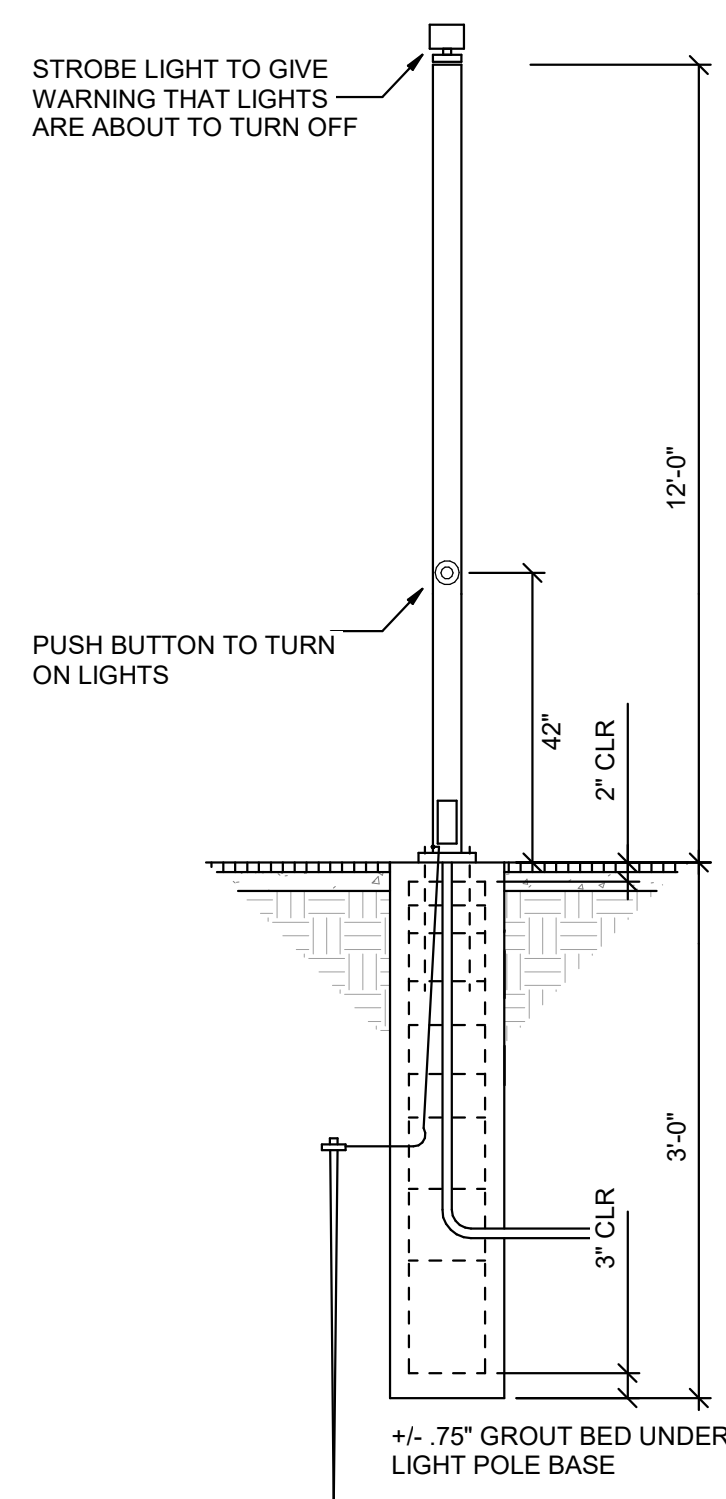
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EXTERIOR LIGHTING FIXTURE SCHEDULE

GENERAL NOTES

1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING. THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED. CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

ID	DESCRIPTION	SIZE (NOMINAL)	BUG RATING			LUMINAIRE				DRIVER			MANUFACTURER
			BACK	UP	GLARE	LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS		
(OP-1)	DESCRIPTION: LED AREA FLOOD LIGHT MOUNTING: POLE MOUNTED FINISH: SCBA OPTICS: OPTIONS: MOUNTED TO 15'-0" POLE EM:	LENGTH: 17" WIDTH: 10" POLE HEIGHT: 15'-0"	0	0	0	2,050	4000K	70	LED DRIVER	120/277	200	BEGA (AREA/ROADWAY LUMINAIRE - ASYMMETRIC - SINGLE)	
(OP-2)	DESCRIPTION: LED AREA FLOOD LIGHT MOUNTING: POLE MOUNTED FINISH: SCBA OPTICS: OPTIONS: MOUNTED TO 30'-0" POLE EM:	LENGTH: 22" WIDTH: 13" HEIGHT: 5"	5	0	1	35,000	4000K	70	LED DRIVER	120/277	280	CHM (FL SMALL SERIES)	
(OP-3)	DESCRIPTION: LED AREA FLOOD LIGHT MOUNTING: POLE MOUNTED FINISH: SCBA OPTICS: OPTIONS: MOUNTED TO 50'-0" POLE EM:	LENGTH: 12" WIDTH: 23" HEIGHT: 23" POLE HEIGHT: 50'-0"				94,800	4000K	70	LED DRIVER	208/480	200	CHM (REC FLOOD)	



SEQUENCE OF OPERATION (Control-Link)  
 1. The OGA needs to be in the AUTO position. A schedule begins and the REC closes the I/O relay which sends control power to the pushbutton.  
 2. The pushbutton is pressed to turn on the lights. The contactors pull in, which also activates the holding circuit. The lights remain ON for the preset amount of time dictated by the timer dial T1 (Bottom Dial).  
 3. The timer times out and performs 2 functions.  
 3.1. Power from the timer is sent to the strobe as a warning that the lights will extinguish in 'X' amount of time (dictated by dial T2 (Top Dial)).  
 3.2. The timer activates a count down for the circuit to turn off.  
 4. If the pushbutton is pressed again, before the strobe turns off, the lights will remain ON for another cycle.  
 5. If the pushbutton is NOT pressed again the strobe and lights will extinguish.

CONTRACTOR WIRING  
 2 wires for the pushbutton (12 AWG)  
 2 wires for the strobe light (12 AWG)

TIMER SETTINGS:  
 -Mode: A  
 -T2 (Time setting for Strobe Light)  
 -Range: 1M (6 sec to 6 min)  
 -Turn dial to 5 (5 min)  
 -T1 (Playing Time)  
 -Range: 1H (6 min to 6 hr)  
 -Turn dial to 1 (1 hr)

PUSHBUTTON  
 Dimensions in inches  
 Color: Black bezel and gray housing.  
 Silver actuator.  
 Material: Machined SS actuator.  
 Machined AL bezel.  
 Malleable iron housing.  
 Contact Current Rating: 15A (125VAC)  
 Internal Ground Screw  
 Torx Cover Screws (T-10)

STROBE  
 Dimensions in inches  
 Color: Amber  
 Flash Rate/Minute: 90  
 Candispower Peak: 1,000,000  
 Effective Candispower: 300  
 MEYERS HUB, 1/2" NPT  
 NPTLE, 1/2" NPT CLOSE

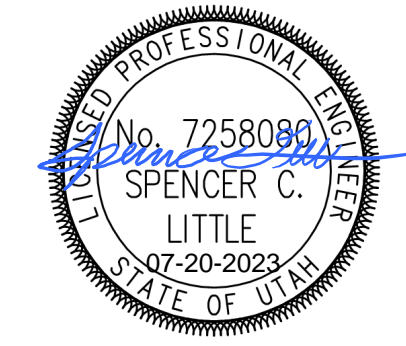
1 ACTUATOR POLE AND PUSH BUTTON DETAIL  
 SCALE: NTS

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Designed By: JLN  
 Drawn By: JLN  
 Date: 07/17/23  
 Checked By: SCL  
 Project No: 23081

Drawing Title  
 EXTERIOR LIGHTING FIXTURE SCHEDULE

Drawing number

EL601

PANEL: "1LA"
VOLTS/PHASE/WIRE: 120/208V, 1ØV, 1 PH 3 WIRE
PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON
MAIN SIZE AND TYPE: 400 AMPERE MAIN CB
FED FROM: SURFACE
CABINET: SURFACE
LOCATION:
NOTES:
ACCESSORIES:
AIC RATING: 22000
Table with columns: CKT NO, AMP, POLE, BKR, LOAD (kVA), PHASE LOAD (A, B), DESCRIPTION, LOAD (kVA), OCP, CKT NO.
Includes NEC Diversified Load Calculations and Lighting & Continuous Loads section.

ALUMINUM CONDUCTOR AND CONDUIT SCHEDULE
Table with columns: SYM, AMP, CONDUIT SIZE, CONDUCTOR (NOTE 1) QTY, SIZE, IG, SE, NOTES.
Includes Conduit and Conductor Schedule Notes.

COPPER CONDUCTOR AND CONDUIT SCHEDULE
Table with columns: SYM, AMP, HH AMPS, CONDUIT SIZE, CONDUCTOR (NOTE 1) QTY, SIZE, IG, SE, NOTES.
Includes Conduit and Conductor Schedule Notes.

GENERAL SHEET NOTES
1. COORDINATE ALL TRENCHING AND UNDERGROUND CONDUIT WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
2. PROVIDE COMPLETE SUBMITTALS OF ALL EQUIPMENT, DEVICES, CONDUIT, CABLE, MOUNTING, INSTALLATION METHODS, ETC. TO REPRESENT A COMPLETE UNDERSTANDING OF WHAT IS TO BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO INSTALL.
3. COORDINATE EXACT LOCATIONS OF SPEAKERS WITH ARCHITECT PRIOR TO INSTALL.
4. SPEAKERS SHALL BE LOCATED WITH THE SAME SPACING AND DIMENSIONS FROM THE PATHWAY TO OTHER FEATURES TO HAVE A UNIFORM LOOK AND CONSISTENCY.
5. MAINTAIN MAXIMUM SEPARATION BETWEEN AV SYSTEM CONDUIT AND ALL POWER CONDUIT. MINIMUM SEPARATION REQUIREMENTS ARE 24".
6. INSTALL NYLON PULL STRINGS IN ALL AV SYSTEM CONDUIT.
7. INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, CODES, AND INDUSTRY WIDE ACCEPTED BEST PRACTICE.
8. ALL ROUGH-IN SHALL BE IN COMPLIANCE WITH ANSI/TIA/EIA 568-B WHICH INCLUDES, BUT IS NOT LIMITED TO, ALL CONDUITS HAVING NO MORE THAN TWO 90 DEGREE BENDS.
9. ALL CONDUIT FOR AV ROUGH-IN SHALL BE RATED FOR OUTDOOR/UNDERGROUND INSTALLATION.
10. ALL AV CONDUITS SHALL BE INSTALLED USING SHORTEST RUNS POSSIBLE. THERE SHOULD BE NO UNNECESSARY BENDS IN CONDUITS RUNS.
11. CONDUITS AND JUNCTION BOXES SHOWN ON RISER DIAGRAMS ARE TYPICAL FOR EACH DEVICE ON SITE.
12. COVER ALL JUNCTION BOXES WITH A BLANK NYLON COVER PLATE.

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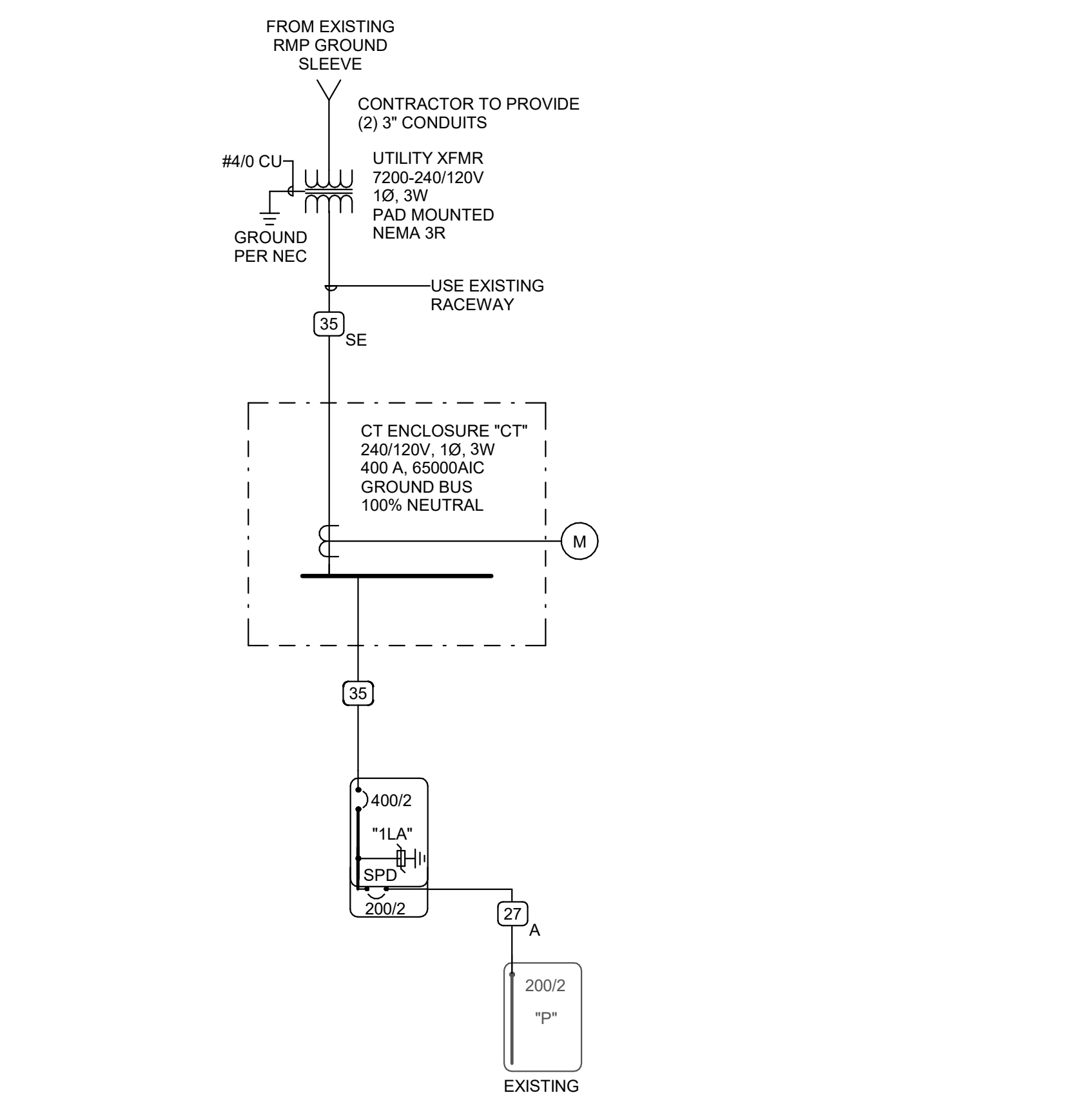
BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION. IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI

CONDUIT AND CONDUCTOR SCHEDULE NOTES
1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THIN UNLESS OTHERWISE NOTED.
2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
5. SYMBOL SUBSCRIPTS:
"2N": INCLUDE TWO NEUTRAL CONDUCTORS, SIZED AS SCHEDULED FOR PHASED AND NEUTRAL CONDUCTORS.
"CI": PROVIDE CIRCUIT INTEGRITY CABLE, TYPE TWO-HOUR FIRE RESISTIVE CABLES IN CONDUIT OR PROVIDE FEEDER ENCASED IN CONCRETE.
"FG": FULL SIZE GROUND, SIZE EQUIPMENT GROUNDING CONDUCTOR TO BE SAME SIZE AS THE PHASE CONDUCTORS.
"HF": NEUTRAL CURRENTS EXIST DUE TO HIGH HARMONIC "NONLINEAR" LOADS. CURRENT CARRYING CONDUCTORS DERATED ACCORDINGLY.
"IG": INCLUDE IG (INSULATED) ISOLATED GROUND CONDUCTOR(S) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
"MC": PROVIDE FEEDER IN METAL-CLAD CABLE, TYPE MC IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
"SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
"SER": PROVIDE SERVICE-ENTRANCE CABLE, TYPE SE OR SER IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.
7. ALUMINUM CONDUCTORS NOT TO BE USED FOR CONNECTION TO MOTORS OR MOTOR DRIVEN EQUIPMENT.

CONDUIT AND CONDUCTOR SCHEDULE NOTES
1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THIN UNLESS OTHERWISE NOTED.
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"IG": INCLUDE IG (INSULATED) ISOLATED GROUND CONDUCTOR(S) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
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6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.

SHEET KEYNOTES

- 1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
5. LOCATE AT BOTTOM OF BEAMS IF D/H < 1 OR W/H < 4. OTHERWISE, LOCATE IN BEAM POCKET. FOR D > 4 REDUCE SPACINGS .33 PERPENDICULAR TO BEAMS.

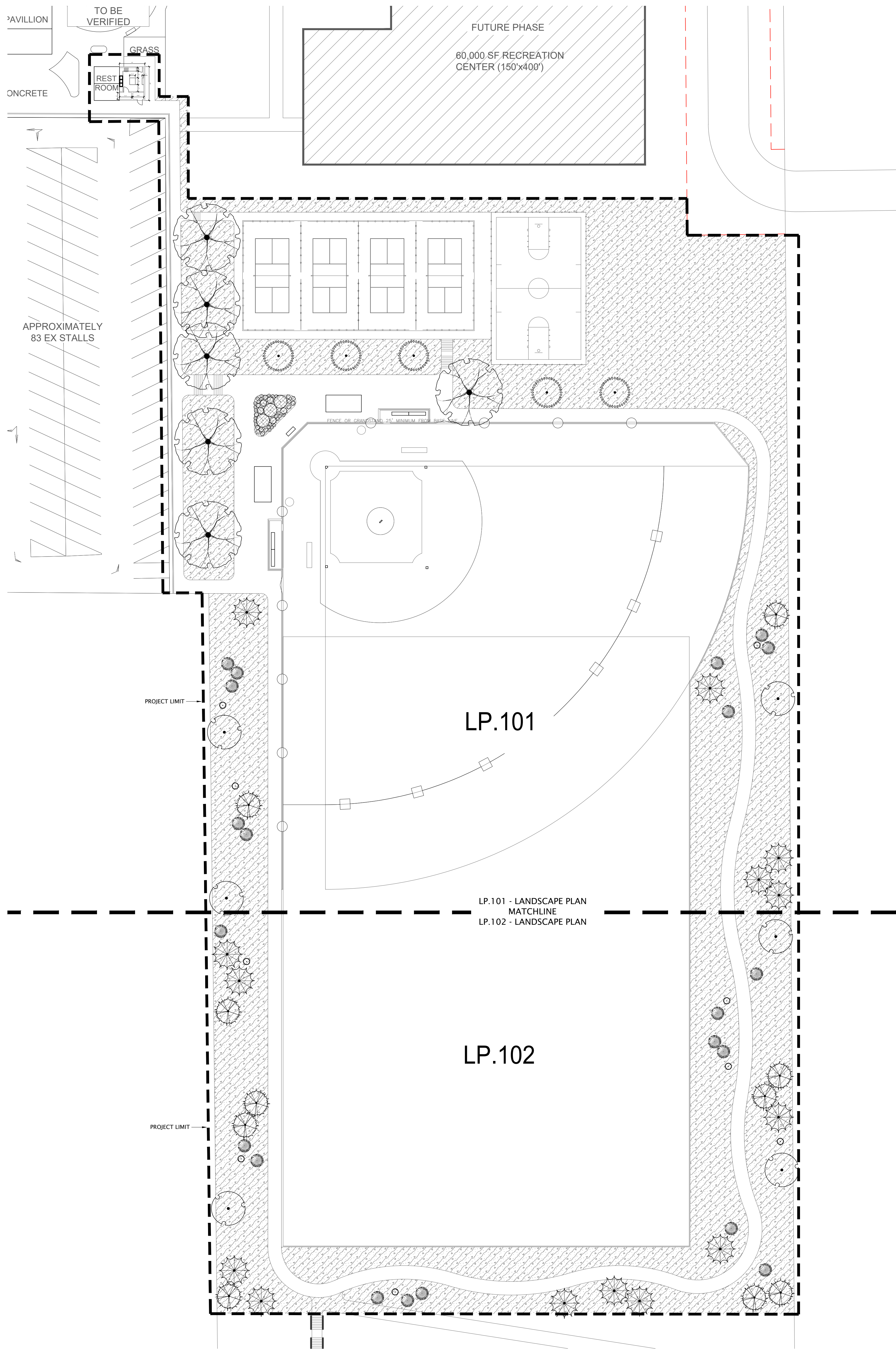


PROVIDE PERMANENT LABEL ON "MAIN SWITCHBOARD" STATING:
"MAXIMUM CALCULATED AIC - 4,995A, 2021-09-03"
CALCULATIONS ARE BASED ON THE FOLLOWING ASSUMPTIONS:
- INFINITE PRIMARY
- UTILITY TRANSFORMER SIZE 112KVA
- TRANSFORMER IMPEDANCE OF 2.7%
- SUPPLY FEEDER LENGTH OF 5'
NOTES:
1. CONTRACTOR SHALL SUBMIT VARIATIONS FROM ASSUMPTIONS PRIOR TO ORDERING EQUIPMENT.
2. THE SERVICE EQUIPMENT SHALL BE PROVIDED WITH A PERMANENT LABEL INCLUDING: NOMINAL SYSTEM VOLTAGE, AVAILABLE FAULT CURRENT, AND CLEARING TIME ON MAIN OVERCURRENT PROTECTIVE DEVICE BASED ON THE AVAILABLE FAULT CURRENT.

NORTH SUMMIT RECREATION
NSSRD OUTDOOR SPORTS COMPLEX
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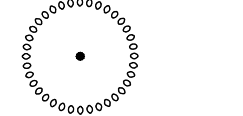
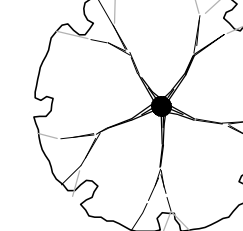
REVISIONS table with columns for date, description, and initials.

Professional Engineer seal for Spencer C. Little, License No. 7258090, State of Utah.







**PLANT SCHEDULE**



**DECIDUOUS TREES** BOTANICAL / COMMON NAME

-  CERCIS CANADENSIS / EASTERN REDBUD
-  MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE
-  ZELKOVA SERRATA / SAWLEAF ZELKOVA

**EVERGREEN TREES** BOTANICAL / COMMON NAME

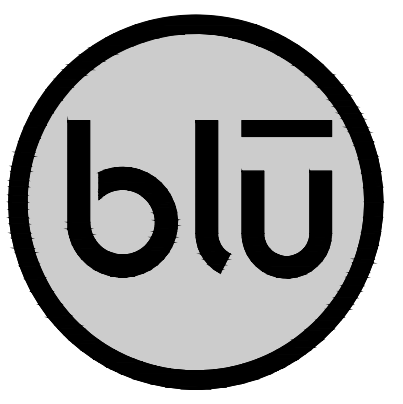
-  CUPRESSUS NOOTKATENSIS 'PENDULA' / WEEPING NOOTKA CYPRESS
-  PICEA OMORIKA / SERBIAN SPRUCE
-  PICEA PUNGENS 'HOOPSII' / HOOPSII COLORADO SPRUCE
-  PINUS SYLVESTRIS 'FASTIGIATA' / ERECT SCOTCH PINE

**GROUND COVERS** BOTANICAL / COMMON NAME

-  NATIVE CABIN BLEND BY GRANITE SEED / GRANITE SEED
-  PLANTING BED / MULCH

**NATIVE CABIN BLEND - SEED MIX:**

SPECIES  
 MOUNTAIN BROME (BROMUS MARGINATUS)  
 SLENDER WHEATGRASS (ELYMUS TRACHYCAULUS SSP. TRACHYCAULUS)  
 SANDBERG BLUEGRASS (POA SECUNDA SSP. SANDBERGII)  
 BIG BLUEGRASS (POA SECUNDA SSP. AMPLA)  
 ROCKY MOUNTAIN FESCUE (FESTUCA SAXIMONTANA)  
 WESTERN WHEATGRASS (PASCOPYRUM SMITHII)  
 BLUEBUNCH WHEATGRASS (PSEUDOROEGNERIA SPICATA SSP. SPICATA)  
 WESTERN YARROW (ACHILLEA MILLEFOLIUM VAR. OCCIDENTALIS)\*  
 ROCKY MOUNTAIN PENSTEMON (PENSTEMON STRICTUS)\*  
 PRAIRIE CONEFLOWER (RATIBIDA COLUMNIFERA)\*  
 COLORADO BLUE COLUMBINE (AQUILEGIA COERULEA)\*  
 ARROWLEAF BALSAMROOT (BALSAMORHIZA SAGITTATA)\*  
 ROCKY MOUNTAIN BEEPLANT (CLEOME SERRULATA)\*  
 BLUE FLAX (LINUM PERENNE)\*  
 UTAH SERVICEBERRY (AMELANCHIER UTAHENSIS)\*  
 BASIN BIG SAGEBRUSH (ARTEMISIA TRIDENTATA SSP. TRIDENTATA)\*  
 RUBBER RABBITBRUSH (ERICAMERIA NAUSEOSA)\*  
 ANTELOPE BITTERBRUSH (PURSHIA TRIDENTATA)\*  
 QUICKGUARD STERILE TRITICALE\*



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**NORTH SUMMIT RECREATION  
 NSSRD OUTDOOR SPORTS COMPLEX**  
 235 S Beacon Hill Dr.  
 Coalville, UT 84017

REVISIONS

NO.	DATE	DESCRIPTION

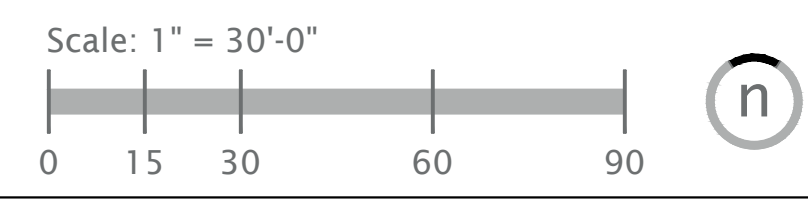
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Designed By: SS  
 Drawn By: MTT\_BMP  
 Date: 07/19/2023  
 Checked By: CS  
 Project No: 21-252

LANDSCAPE PLAN

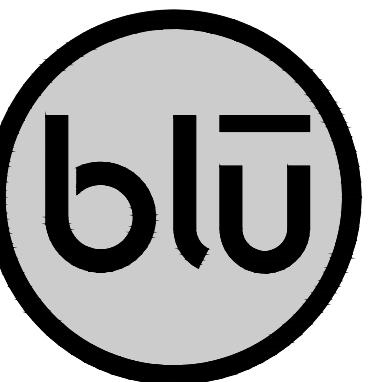
Drawing number

**LP.100**



DESIGN REVIEW- NOT FOR CONSTRUCTION





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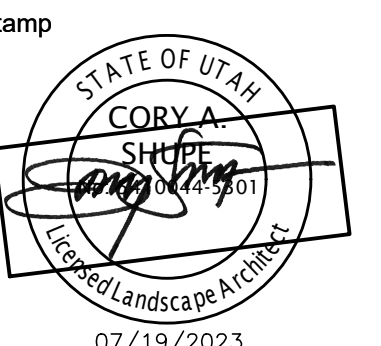
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Sandy, UT 84070  
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# NORTH SUMMIT RECREATION NSSRD OUTDOOR SPORTS COMPLEX

235 S Beacon Hill Dr,  
Coalville, UT 84017

REVISIONS	
NO.	DESCRIPTION



Designed By: SS  
Drawn By: MTT\_BMP  
Date: 07/19/2023  
Checked By: CS  
Project No: 21-252

Drawing Title

LANDSCAPE  
PLAN

Drawing number

LP.101

## PLANT SCHEDULE

DECIDUOUS TREES BOTANICAL / COMMON NAME

 CERCIS CANADENSIS / EASTERN REDBUD


 MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE

 ZELKOVA SERRATA / SAWLEAF ZELKOVA

EVERGREEN TREES BOTANICAL / COMMON NAME

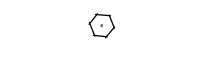
 CUPRESSUS NOOTKATENSIS 'PENDULA' / WEEPING NOOTKA CYPRESS

 PICEA OMORIKA / SERBIAN SPRUCE

 PICEA PUNGENS 'HOOPSII' / HOOPSII COLORADO SPRUCE

 PINUS SYLVESTRIS 'FASTIGIATA' / ERECT SCOTCH PINE

SHRUBS BOTANICAL / COMMON NAME

 BERBERIS THUNBERGII 'NCBT2'™ / SUNJOY NEO BARBERRY

 BUXUS MICROPHYLLA 'JULIA JANE' / JULIA JANE LITTLELEAF BOXWOOD

 CORNUS SERICEA 'FLAVIRAMEA' / YELLOW TWIG DOGWOOD

 PENSTEMON CARDINALIS 'NATIVE ROOTS' / CARDINAL BEARDTONGUE

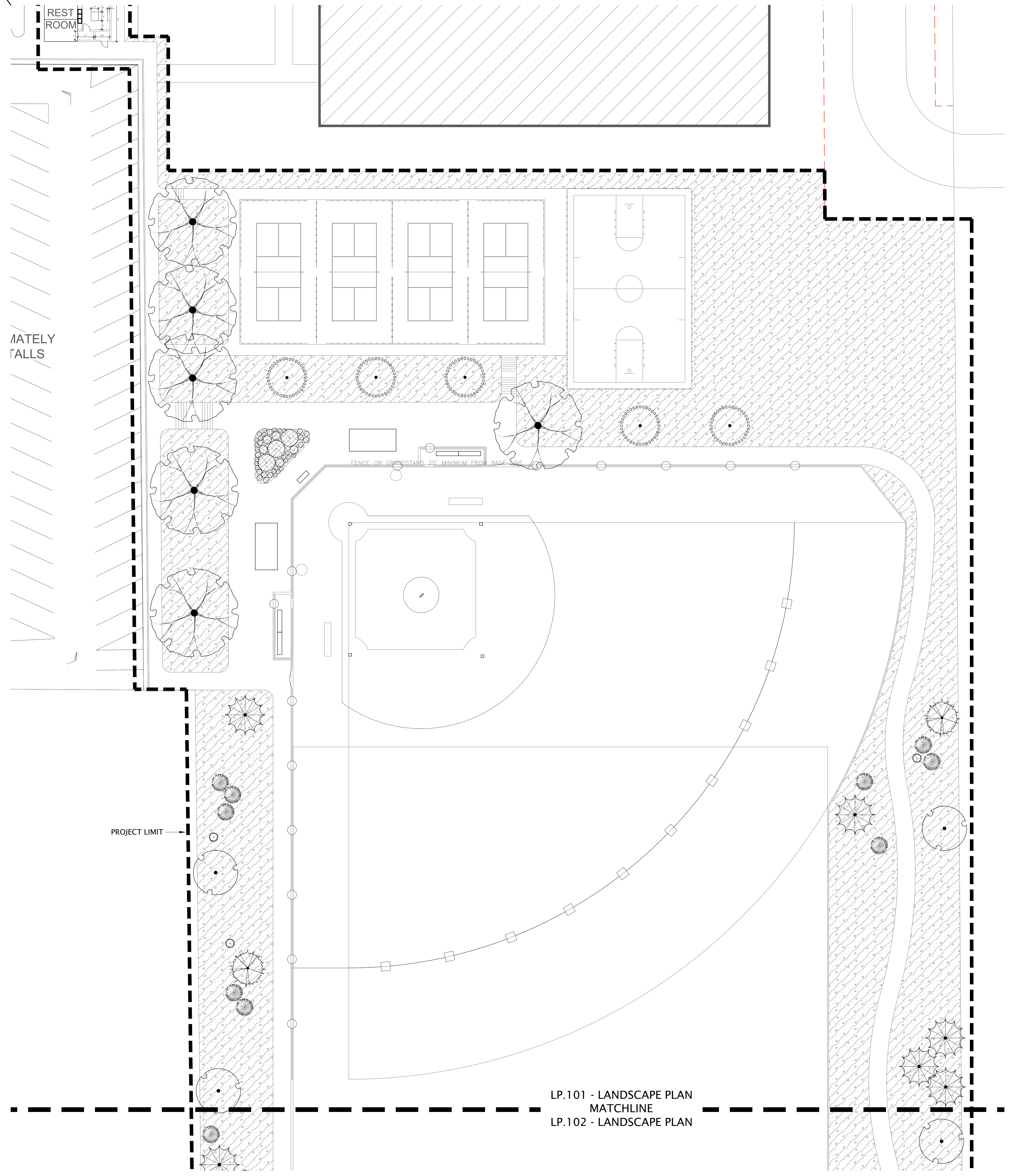
GROUND COVERS BOTANICAL / COMMON NAME

 NATIVE CABIN BLEND BY GRANITE SEED / GRANITE SEED

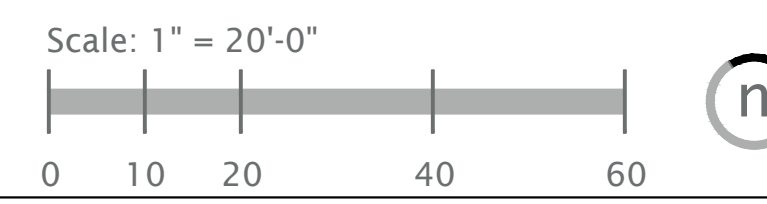
 PLANTING BED / MULCH

NATIVE CABIN BLEND - SEED MIX:

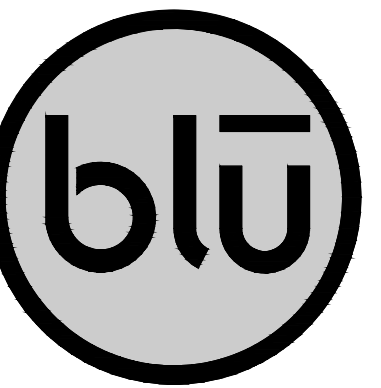
- SPECIES
- MOUNTAIN BROME (BROMUS MARGINATUS)
  - SLENDER WHEATGRASS (ELYMUS TRACHYCAULUS SSP. TRACHYCAULUS)
  - SANDBERG BLUEGRASS (POA SECUNDA SSP. SANDBERGII)
  - BIG BLUEGRASS (POA SECUNDA SSP. AMPLA)
  - ROCKY MOUNTAIN FESCUE (FESTUCA SAXIMONTANA)
  - WESTERN WHEATGRASS (PASCOPYLUM SMITHII)
  - BLUEBUNCH WHEATGRASS (PSEUDOROEGNERIA SPICATA SSP. SPICATA)
  - WESTERN YARROW (ACHILLEA MILLEFOLIUM VAR. OCCIDENTALIS)\*
  - ROCKY MOUNTAIN PENSTEMON (PENSTEMON STRICTUS)\*
  - PAIRIE CONEFLOWER (RATIBIDA COLUMNIFERA)\*
  - COLORADO BLUE COLUMBINE (AQUILEGIA COERULEA)\*
  - ARROWLEAF BALSAMROOT (BALSAMORHIZA SAGITTATA)\*
  - ROCKY MOUNTAIN BEEPLANT (CLEOME SERRULATA)\*
  - BLUE FLAX (LINUM PERCNE)\*
  - UTAH SERVICEBERRY (AMELANCHIER UTAHENSIS)\*
  - BASIN BIG SAGEBRUSH (ARTEMISIA TRIDENTATA SSP. TRIDENTATA)\*
  - RUBBER RABBITBRUSH (ERICAMERIA NAUSEOSA)\*
  - ANTELOPE BITTERBRUSH (PURSHIA TRIDENTATA)\*
  - QUICKGUARD STERILE TRITICALE\*



LP.101 - LANDSCAPE PLAN  
MATCHLINE  
LP.102 - LANDSCAPE PLAN



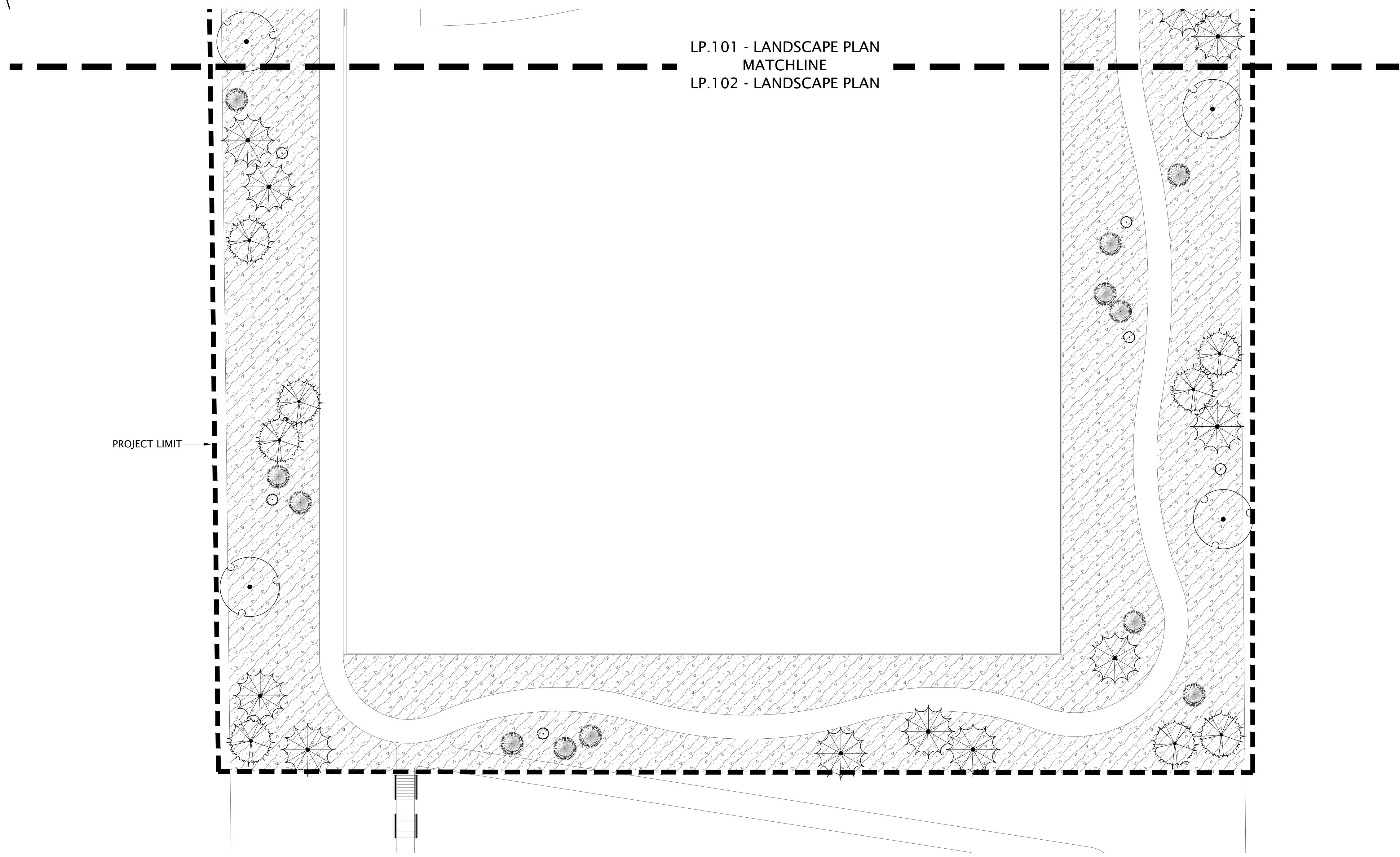
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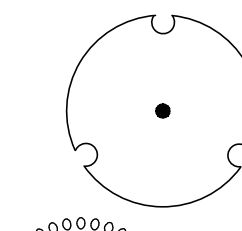
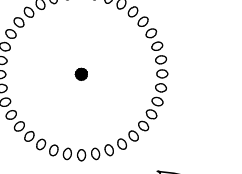
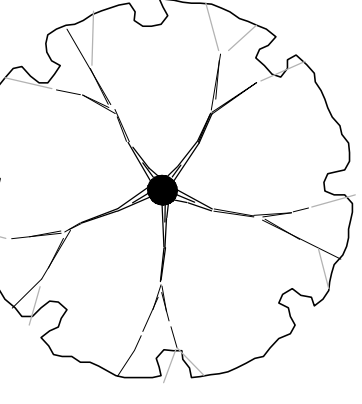


LP.101 - LANDSCAPE PLAN  
MATCHLINE  
LP.102 - LANDSCAPE PLAN


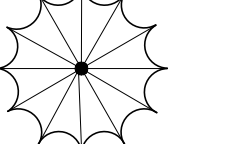
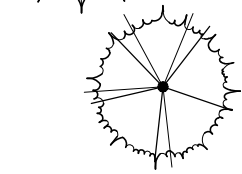

PROJECT LIMIT

### PLANT SCHEDULE





DECIDUOUS TREES    BOTANICAL / COMMON NAME

-  CERCIS CANADENSIS / EASTERN REDBUD
-  MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE
-  ZELKOVA SERRATA / SAWLEAF ZELKOVA

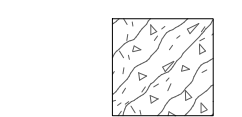
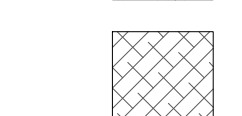
EVERGREEN TREES    BOTANICAL / COMMON NAME

-  CUPRESSUS NOOTKATENSIS 'PENDULA' / WEeping NOOTKA CYPRESS
-  PICEA OMORIKA / SERBIAN SPRUCE
-  PICEA PUNGENS 'HOOPSII' / HOOPSII COLORADO SPRUCE
-  PINUS SYLVESTRIS 'FASTIGIATA' / ERECT SCOTCH PINE

SHRUBS    BOTANICAL / COMMON NAME

-  BERBERIS THUNBERGII 'NCB2' TM / SUNJOY NEO BARBERRY
-  BUXUS MICROPHYLLA 'JULIA JANE' / JULIA JANE LITTLELEAF BOXWOOD
-  CORNUS SERICEA 'FLAVIRAMEA' / YELLOW TWIG DOGWOOD
-  PENSTEMON CARDINALIS 'NATIVE ROOTS' / CARDINAL BEARDTONGUE

GROUND COVERS    BOTANICAL / COMMON NAME

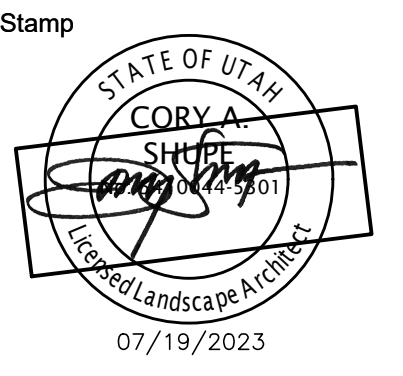
-  NATIVE CABIN BLEND BY GRANITE SEED / GRANITE SEED
-  PLANTING BED / MULCH

NATIVE CABIN BLEND - SEED MIX:

SPECIES  
MOUNTAIN BROME (BROMUS MARGINATUS)  
SLENDER WHEATGRASS (ELYMUS TRACHYCAULUS SSP. TRACHYCAULUS)  
SANDBERG BLUEGRASS (POA SECUNDA SSP. SANDBERGII)  
BIG BLUEGRASS (POA SECUNDA SSP. AMPLA)  
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WESTERN WHEATGRASS (PASCOPYRUM SMITHII)  
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ROCKY MOUNTAIN BEERPLANT (CLEOME SERRULATA)\*  
BLUE FLAX (LINUM PERENNE)\*  
UTAH SERVICEBERRY (AMELANCHIER UTAHENSIS)\*  
BASIN BIG SAGEBRUSH (ARTEMISIA TRIDENTATA SSP. TRIDENTATA)\*  
RUBBER RABBITBRUSH (ERICAMERIA NAUSEOSA)\*  
ANTELOPE BITTERBRUSH (PURSHIA TRIDENTATA)\*  
QUICKGUARD STERILE TRITICALE\*

NORTH SUMMIT RECREATION  
NSSRD OUTDOOR SPORTS COMPLEX  
235 S Beacon Hill Dr,  
Coalville, UT 84017

REVISIONS	
NO.	DESCRIPTION



Designed By: SS  
Drawn By: MTT\_BMP  
Date: 07/19/2023  
Checked By: CS  
Project No: 21-252

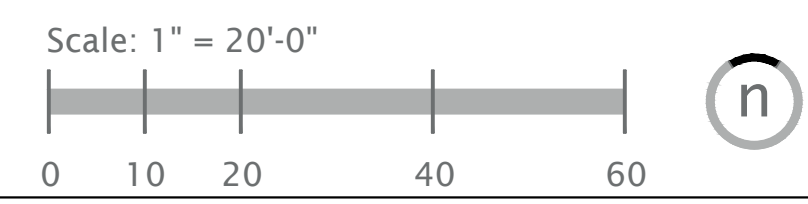
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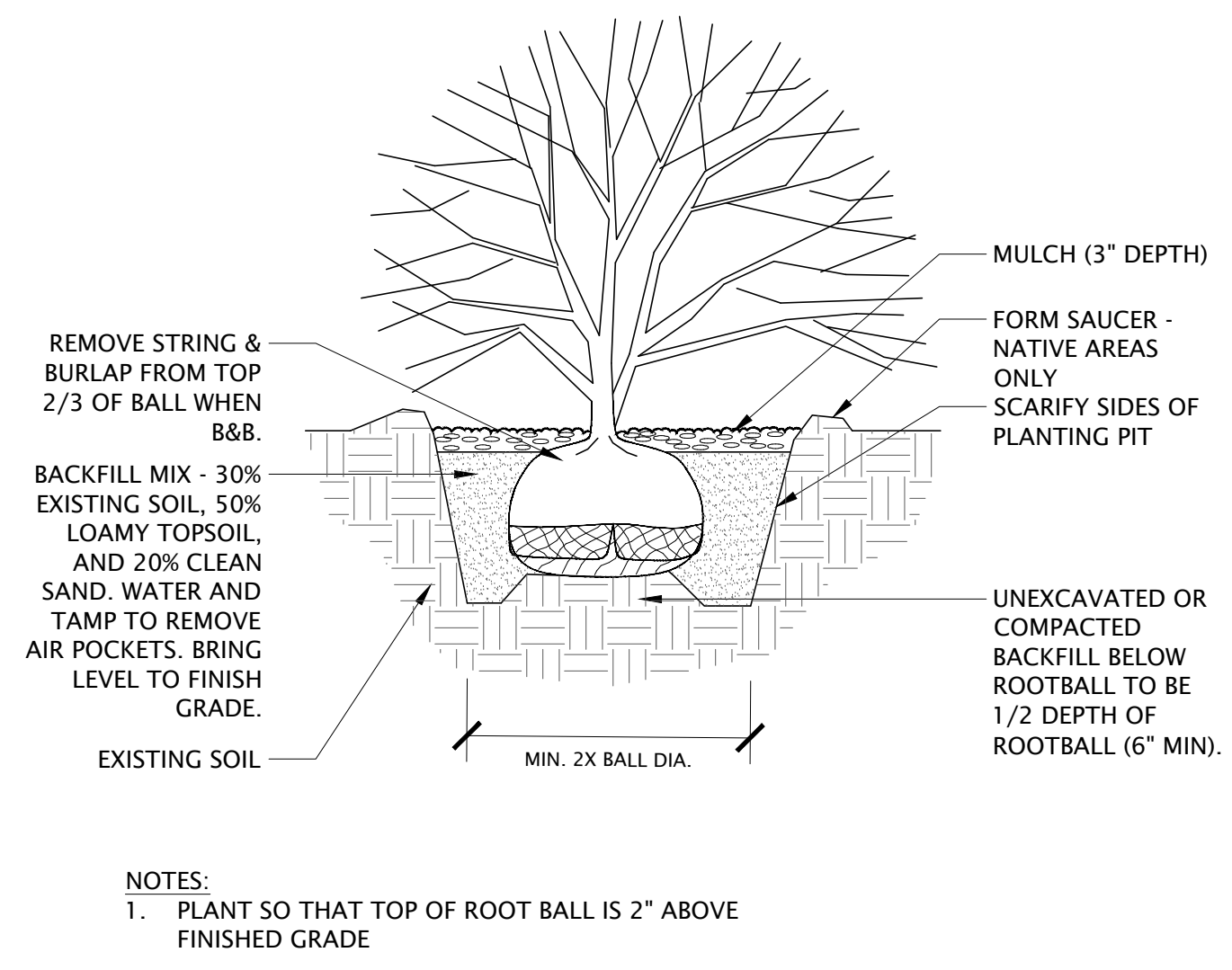
LANDSCAPE PLAN

Drawing number

LP.102

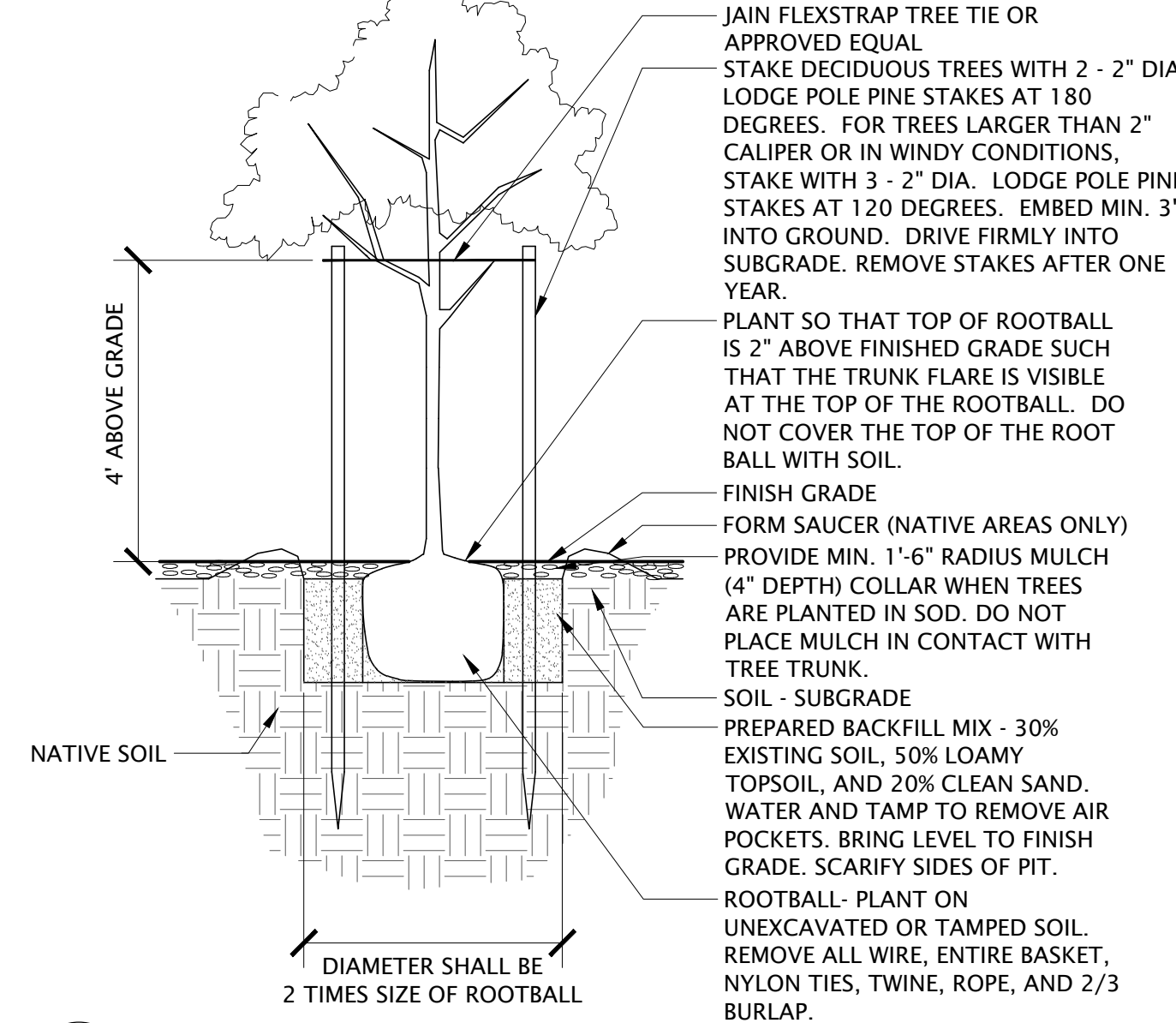
DESIGN REVIEW- NOT FOR CONSTRUCTION



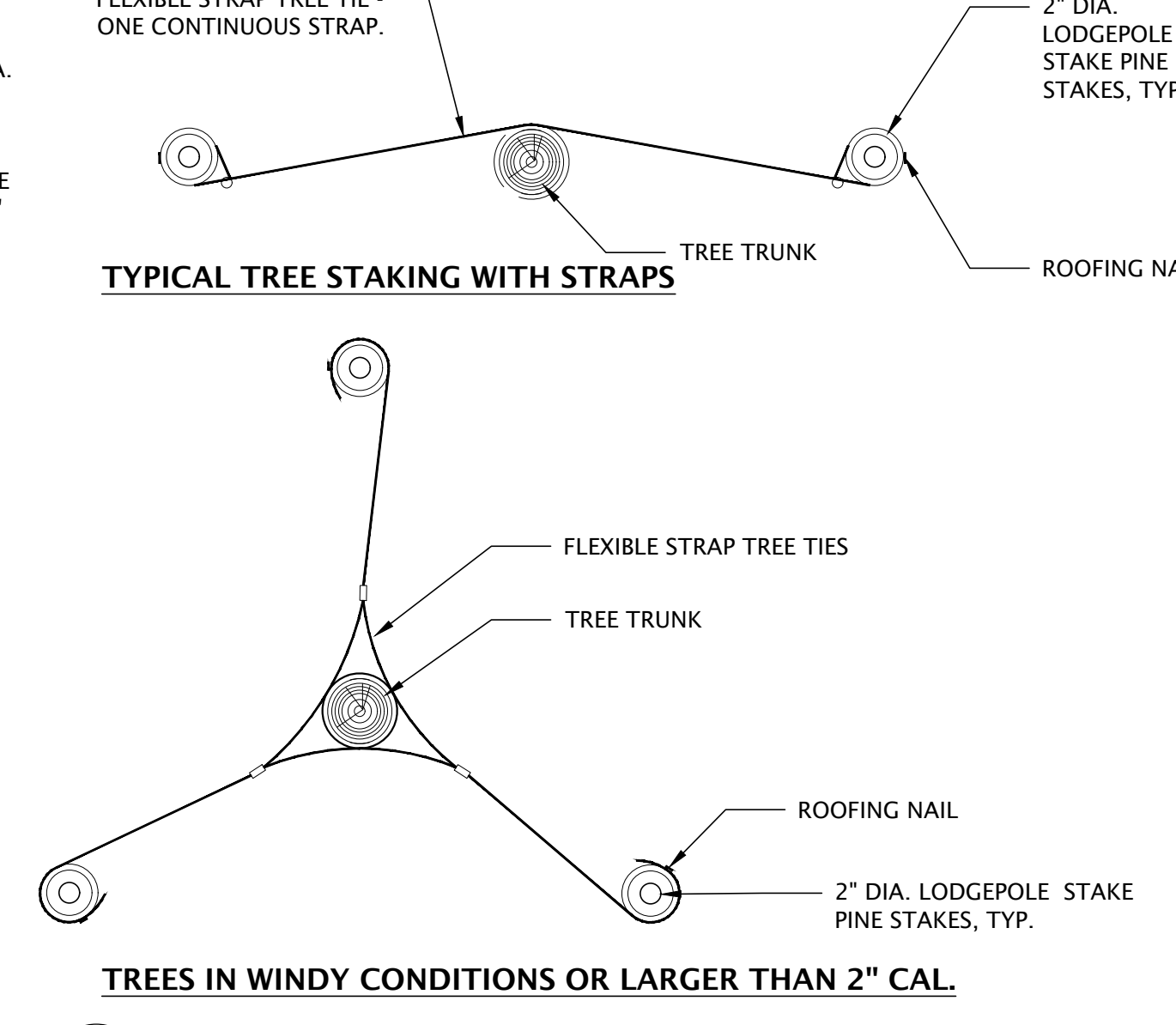


NOTES:  
1. PLANT SO THAT TOP OF ROOT BALL IS 2\"/>

**1 SHRUB DETAIL**  
NOT TO SCALE



**2 TREE PLANTING - FLEX STRAP**  
NOT TO SCALE



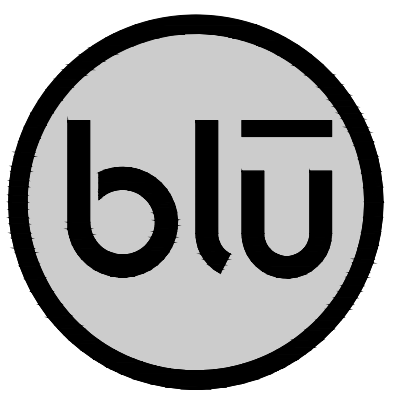
**3 TREE STAKING - FLEX STRAPS**  
NOT TO SCALE

**LANDSCAPE NOTES**

1. ALL PLANT MATERIAL SHALL BE GRADE A, GROWN IN CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THIS WORK AND SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 UNLESS OTHERWISE NOTED. PROVIDE TREES OF NORMAL GROWTH AND UNIFORM HEIGHTS, ACCORDING TO SPECIES, WITH STRAIGHT TRUNKS AND WELL DEVELOPED LEADERS, LATERALS, AND ROOTS.
2. EXISTING STRUCTURES SHOWN ON THE DRAWINGS ARE IN ACCORDANCE WITH AVAILABLE RECORDS. CONTRACTOR SHALL REFER TO CIVIL DRAWINGS FOR THE LOCATION OF UTILITIES AND EASEMENTS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, AND TYPE OF UTILITIES AND STRUCTURES TO BE ENCOUNTERED ON THE PROJECT PRIOR TO ANY EXCAVATION AND CONSTRUCTION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL REQUIRED PERMITS, LICENSES, AND APPROVALS REQUIRED TO LEGALLY AND RESPONSIBLY COMPLETE THE WORK.
4. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO EXISTING FEATURES AND FACILITIES SCHEDULED TO REMAIN AS PART OF THE FINISHED CONSTRUCTION. REPAIR, REPLACEMENT, AND/OR REMOVAL AS DETERMINED BY OWNER SHALL BE AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL CALL BLUE STAKES AT 1-800-662-4111 FOR UNDERGROUND UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION.
6. CONTRACTOR SHALL ROUGH GRADE TO WITHIN +/- A TENTH OF A FOOT FROM FINISH GRADE. ALL SOD AREAS SHALL BE GRADED 4 INCHES BELOW PROPOSED FINISH GRADE. ALL SHRUB AREAS SHALL BE GRADED 12 INCHES BELOW PROPOSED FINISH GRADE.
7. CONTRACTOR SHALL INSTALL A MIN. OF 4 INCHES OF PLANTING SOIL FOR ALL SOD AREAS AND 12 INCHES OF PLANTING SOIL FOR ALL SHRUB AND PERENNIAL BEDS. EXISTING TOPSOIL MAY BE AMENDED AS AVAILABLE AT 3 CY. OF ORGANICS PER 1000 SF.
8. ALL COMPACTED AREAS DEVELOPED THROUGH CONSTRUCTION WITHIN PROPOSED LANDSCAPE AREAS SHALL BE SCARIFIED AND LOOSENEED TO A DEPTH OF 12\"/>
- 9. NO PLANT SPECIES SUBSTITUTIONS WILL BE MADE WITHOUT APPROVAL OF OWNER.
- 10. ALL PLANT LAYOUT SHALL BE VERIFIED AND APPROVED IN FIELD BY OWNER PRIOR TO PLANTING. FAILURE TO RECEIVE APPROVAL MAY RESULT IN RE-WORK BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 11. ALL AREAS WITHIN AND AFFECTED BY THIS PROJECT SHALL HAVE POSITIVE DRAINAGE. POSITIVE DRAINAGE SHALL BE PROVIDED TO DIRECT STORMWATER AWAY FROM ALL STRUCTURES.
- 12. ALL CLARIFICATIONS OF DISCREPANCIES BETWEEN THE DRAWINGS AND THE SITE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO BEGINNING OF WORK.
- 13. CONTRACTOR TO PRESERVE AND PROTECT EXISTING LANDSCAPE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGES INCIDENT TO CONSTRUCTION AND RESTORING LANDSCAPE TO PRECONSTRUCTION CONDITION. CONTRACTOR TO ENSURE EXISTING LANDSCAPE RECEIVES ADEQUATE WATER THROUGHOUT CONSTRUCTION.

**PLANT SCHEDULE**

DECIDUOUS TREES	BOTANICAL / COMMON NAME	CONT	CAL	QTY
	CERCIS CANADENSIS / EASTERN REDBUD	B&B	1 1/2\"/>	
	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE	B&B	1 1/2\"/>	
	ZELKOVA SERRATA / SAWLEAF ZELKOVA	B&B	2\"/>	
EVERGREEN TREES	BOTANICAL / COMMON NAME	CONT	CAL	QTY
	CUPRESSUS NOOTKATENSIS 'PENDULA' / WEEPING NOOTKA CYPRESS	B&B	6\"/>	
	PICEA OMORIKA / SERBIAN SPRUCE	B&B	6\"/>	
	PICEA PUNGENS 'HOOPSI' / HOOPSII COLORADO SPRUCE	B&B	6\"/>	
	PINUS SYLVESTRIS 'FASTIGIATA' / ERECT SCOTCH PINE	B&B	6\"/>	
SHRUBS	BOTANICAL / COMMON NAME	CONT	QTY	
	BERBERIS THUNBERGII 'NCBT2' TM / SUNJOY NEO BARBERRY	5 GAL	13	
	BUXUS MICROPHYLLA 'JULIA JANE' / JULIA JANE LITTLELEAF BOXWOOD	5 GAL	5	
	CORNUS SERICEA 'FLAVIRAMEA' / YELLOW TWIG DOGWOOD	5 GAL	3	
	PENSTEMON CARDINALIS 'NATIVE ROOTS' / CARDINAL BEARDTONGUE	5 GAL	23	
GROUND COVERS	BOTANICAL / COMMON NAME	CONT		
	NATIVE CABIN BLEND BY GRANITE SEED / GRANITE SEED	SEED	71,617 SF	
	PLANTING BED / MULCH	BED	414 SF	
NATIVE CABIN BLEND - SEED MIX:			PLS/ACRE	
SPECIES				
MOUNTAIN BROME (BROMUS MARGINATUS)			6.0	
SLENDER WHEATGRASS (ELYMUS TRACHYCAULUS SSP. TRACHYCAULUS)			5.0	
SANDBERG BLUEGRASS (POA SECUNDA SSP. SANDBERGII)			1.0	
BIG BLUEGRASS (POA SECUNDA SSP. AMPLA)			1.0	
ROCKY MOUNTAIN FESCUE (FESTUCA SAXIMONTANA)			1.0	
WESTERN WHEATGRASS (PASCOPYRUM SMITHII)			4.0	
BLUEJUNCH WHEATGRASS (PSEUDOROEGNERIA SPICATA SSP. SPICATA)			2.0	
WESTERN YARROW (ACHILLEA MILLEFOLIUM VAR. OCCIDENTALIS)*			0.10	
ROCKY MOUNTAIN PENSTEMON (PENSTEMON STRICTUS)*			0.50	
PRAIRIE CONEFLOWER (RATIBIDA COLUMNIFERA)*			0.40	
COLORADO BLUE COLUMBINE (ACILEGIA COERULEA)*			0.50	
ARROWLEAF BALSAMROOT (BALSAMORHIZA SAGITTATA)*			2.00	
ROCKY MOUNTAIN BEEPLANT (CLEOME SERRULATA)*			2.00	
BLUE FLAX (LINUM PERENNE)*			1.00	
UTAH SERVICEBERRY (AMELANCHIER UTAHENSIS)*			1.00	
BASIN BIG SAGEBRUSH (ARTEMISIA TRIDENTATA SSP. TRIDENTATA)*			0.50	
RUBBER RABBITBRUSH (ERICAMERIA NAUSEOSA)*			0.25	
ANTELOPE BITTERBRUSH (PURSHIA TRIDENTATA)*			3.00	
QUICKGUARD STERILE TRITICALE*			10.0	



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REVISIONS

NO.	DATE	DESCRIPTION

Stamp

Designed By: SS  
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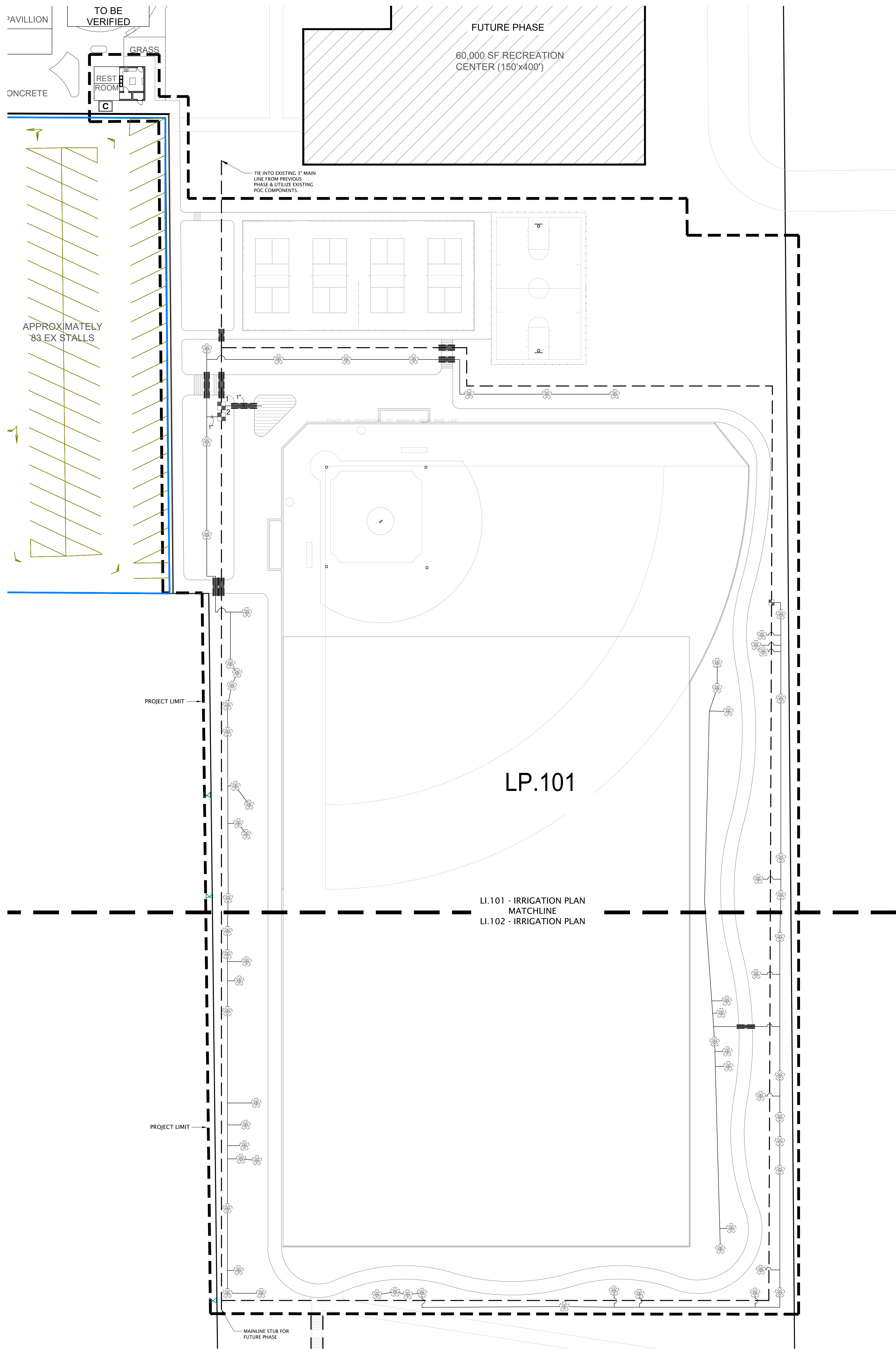
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LANDSCAPE  
DETAILS/NOTES

Drawing number

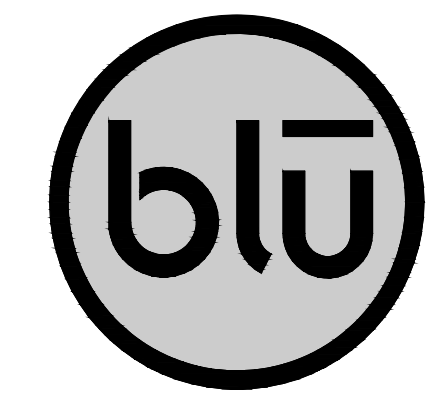
LP.501

DESIGN REVIEW- NOT FOR CONSTRUCTION



**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD KCZ-100-PR8-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1 IN. BALL VALVE WITH 1 IN. PESB VALVE AND 1 IN. PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3 GPM-20 GPM
	NETAFIM TLCV-09-12 DRIP RING
	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-04-18 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.4 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	CONTROLLER -CONNECT PROPOSED ZONES TO EXISTING SMART CONTROLLER - HUNTER PRO-HC-600 AND ACCESSORIES.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	PIPE SLEEVE: PVC SCHEDULE 40
Valve Callout	
	Valve Number
	Valve Flow
	Valve Size



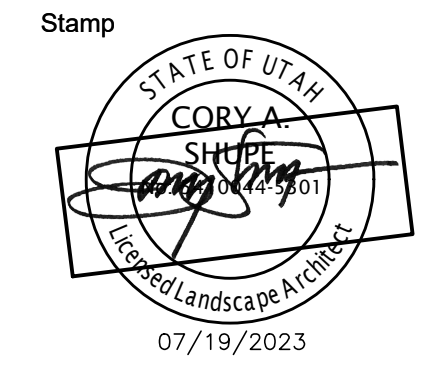
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**NORTH SUMMIT RECREATION  
 NSSRD OUTDOOR SPORTS COMPLEX**  
 235 S Beacon Hill Dr,  
 Coalville, UT 84017

REVISIONS

NO.	DATE	DESCRIPTION

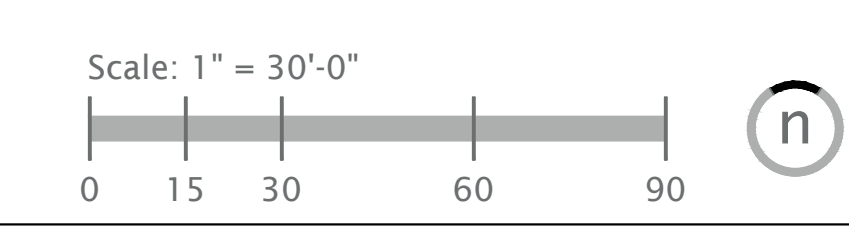


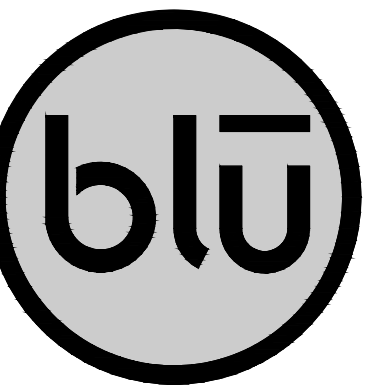
Designed By: SS  
 Drawn By: MTT\_BMP  
 Date: 07/19/2023  
 Checked By: CS  
 Project No: 21-252

Drawing Title  
**IRRIGATION PLAN**  
 Drawing number

**LI.100**

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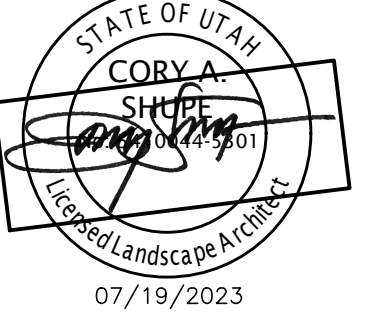
# NORTH SUMMIT RECREATION NSSRD OUTDOOR SPORTS COMPLEX

235 S Beacon Hill Dr.  
Coalville, UT 84017

## REVISIONS

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Stamp



Designed By: SS  
 Drawn By: MTT\_BMP  
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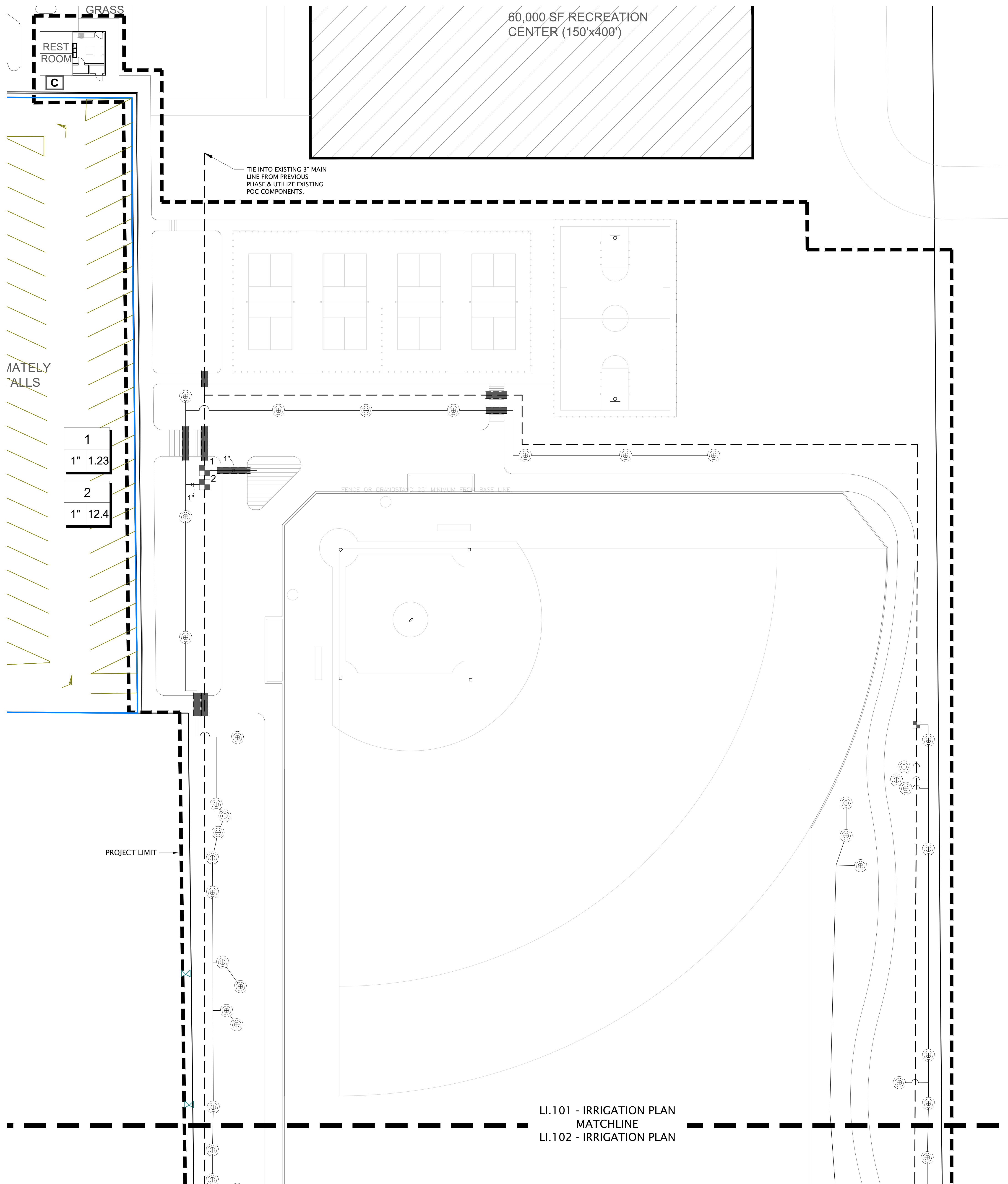
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PLAN

Drawing number

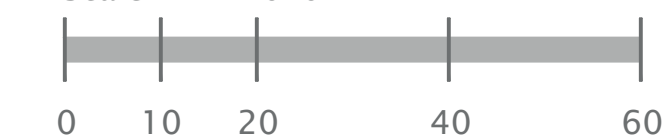
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## IRRIGATION SCHEDULE

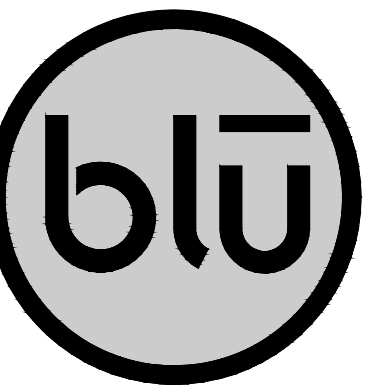
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	Valve Callout Valve Number Valve Flow Valve Size



Scale: 1" = 20'-0"



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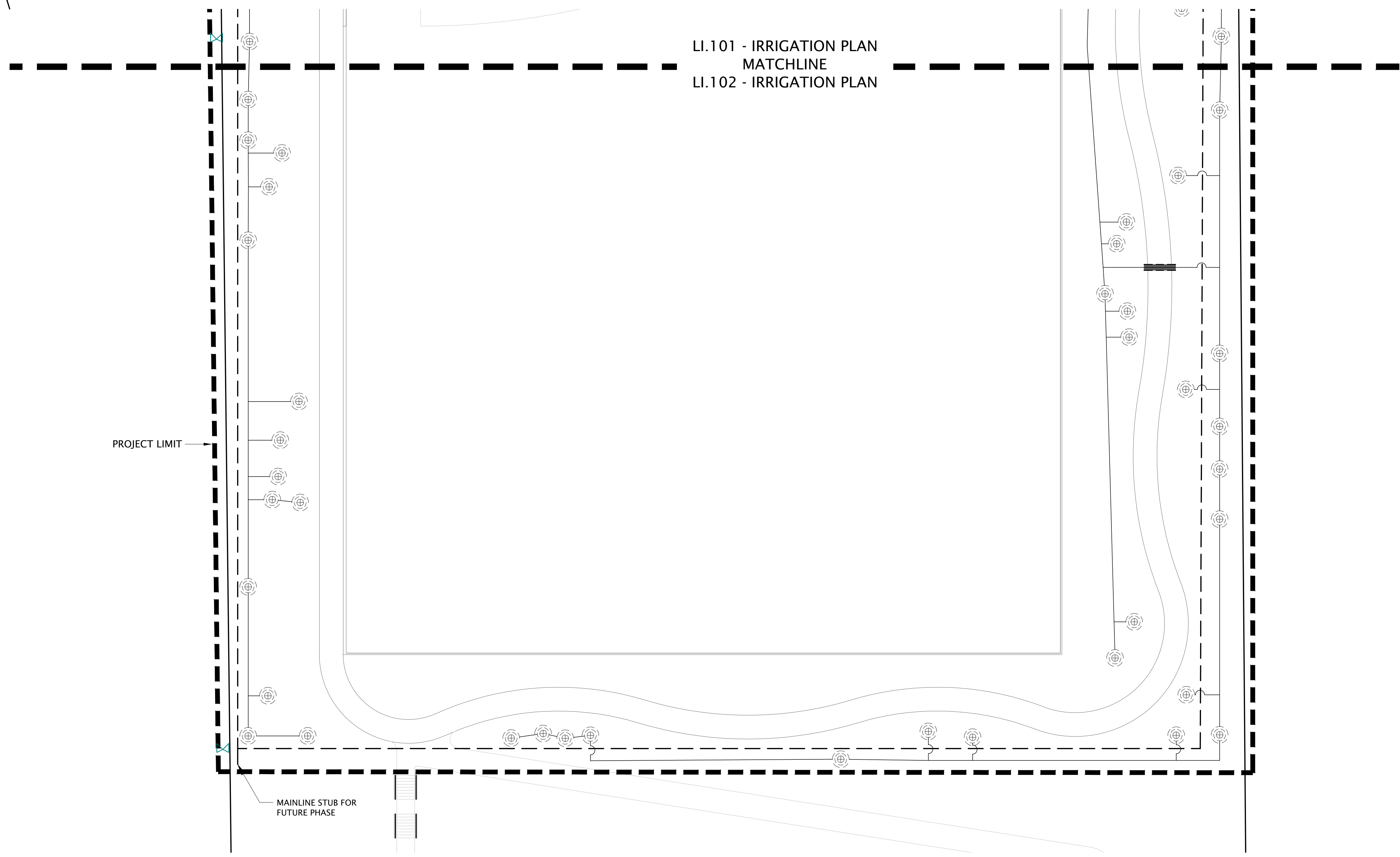
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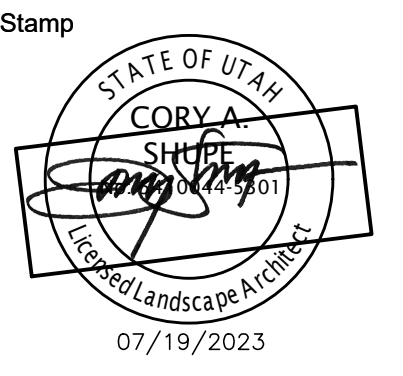
### IRRIGATION SCHEDULE

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**NORTH SUMMIT RECREATION**  
**NSSRD OUTDOOR SPORTS COMPLEX**  
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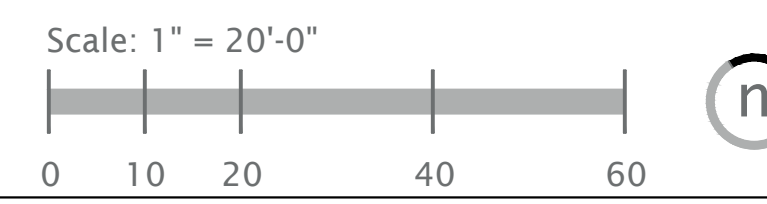
Designed By: SS  
 Drawn By: MTT\_BMP  
 Date: 07/19/2023  
 Checked By: CS  
 Project No: 21-252

Drawing Title

IRRIGATION PLAN

Drawing number

LI.102



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**IRRIGATION NOTES**

1. THIS DRAWING IS DIAGRAMMATIC AND IS INTENDED TO CONVEY THE GENERAL LAYOUT OF IRRIGATION SYSTEM COMPONENTS. ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE. LOCATE MAINLINE AND VALVES NEAR WALKS WHERE FEASIBLE.

2. THE CONTRACTOR SHALL VERIFY THE AVAILABLE WATER PRESSURE AT THE SITE PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES BETWEEN THE WATER PRESSURE SHOWN ON THE DRAWINGS AND ACTUAL PRESSURE READINGS AT THE POINT OF CONNECTION TO THE LANDSCAPE ARCHITECT. WATER PRESSURE AT THE POINT OF CONNECTION IS EXPECTED TO BE A MINIMUM OF 65-70 PSI. IN THE EVENT THAT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL STRUCTURES, SITE IMPROVEMENTS, WALKS, UTILITIES, AND GRADE CHANGES. COORDINATE LAYOUT OF THE IRRIGATION SYSTEM WITH OTHER TRADES SO THAT CONSTRUCTION CAN CONTINUE IN A NORMAL SEQUENCE OF EVENTS. ADJUSTMENTS MAY BE NECESSARY TO MAINTAIN FULL COVERAGE DEPENDING ON ACTUAL SITE CONDITIONS. ANY SIGNIFICANT CHANGES WILL REQUIRE WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO PLACEMENT. ALL MODIFICATIONS SHALL BE RECORDED ON 'AS-BUILT' DRAWINGS.

4. DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM WHEN IT IS APPARENT IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADING DIFFERENCES MAY NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.

5. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SITE CONDITIONS AND EXISTING IRRIGATION SYSTEM (IF ANY). IN THE EVENT THAT THE CONTRACTOR DAMAGES, DISPLACES OR OTHERWISE CAUSES OTHER TRADES WORK TO BE REINSTALLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL CONDITION AT HIS OWN EXPENSE.

6. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM PERFORMANCE. INSTALL HEADS WITH THE APPROPRIATE ARC AND RADIUS FOR THE AREA TO BE COVERED. ADJUST NOZZLES TO ELIMINATE OVERSPRAY ONTO WALKS, BUILDINGS, ETC.

7. IRRIGATION CONTROLLER(S) SHALL BE GROUNDED PER ESTABLISHED ASIC GUIDELINES.

8. IRRIGATION CONTROL WIRES SHALL BE COLOR CODED WIRE FOR DIRECT BURIAL. COMMON, HOT, & SPARE WIRES SHALL BE 14 AWG (WHITE, RED & YELLOW RESPECTIVELY). FOR CONTROL WIRE RUNS EXCEEDING 300 FEET OR COMMON WIRE RUNS EXCEEDING 1500 FEET, USE 12 AWG WIRE. CONTRACTOR SHALL RUN 1 DEDICATED SPARE WIRE 'HOMERUN' FROM CONTROLLER TO TERMINUS OF EACH WIRE LEG. WHERE REQUIRED, COMMUNICATION WIRE TO FLOW SENSOR SHALL BE PAIGE ELECTRIC PE-39-3 CABLE. ALL WIRE SPLICES TO BE LOCATED IN VALVE BOX. ALL WIRE CONNECTIONS SHALL BE 3M DBRY.

9. ALL MAINLINES, LATERAL LINES, AND CONTROL WIRES UNDER PAVING SHALL BE INSTALLED IN SEPARATE SLEEVES.

10. ALL MAINLINE AND LATERAL LINE PIPE SHALL BE SCHEDULE 40 PVC THROUGH 3" PIPE. 4" TO 6" PIPE SHALL BE CLASS 200 PVC. ALL LATERAL LINE FITTINGS SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED. ALL MAINLINE FITTINGS UNDER 3" SHALL BE SCHEDULE 80 PVC. MAINLINE FITTINGS 3" AND LARGER SHALL BE HARCO DUCTILE IRON. RESTRAIN PER MANUFACTURER'S RECOMMENDATIONS.

11. CONTRACTOR SHALL USE WELD-ON P-70 PRIMER AND 711 LOW VOC CEMENT FOR ALL SOLVENT WELDED JOINTS.

12. ALL LINES SHALL SLOPE TO DRAIN. ADD MANUAL DRAINS AT ALL MAINLINE LOW POINTS AS NECESSARY FOR COMPLETE DRAINAGE OF THE ENTIRE SYSTEM. INDICATE ALL DRAIN LOCATIONS ON 'AS-BUILT' DRAWINGS.

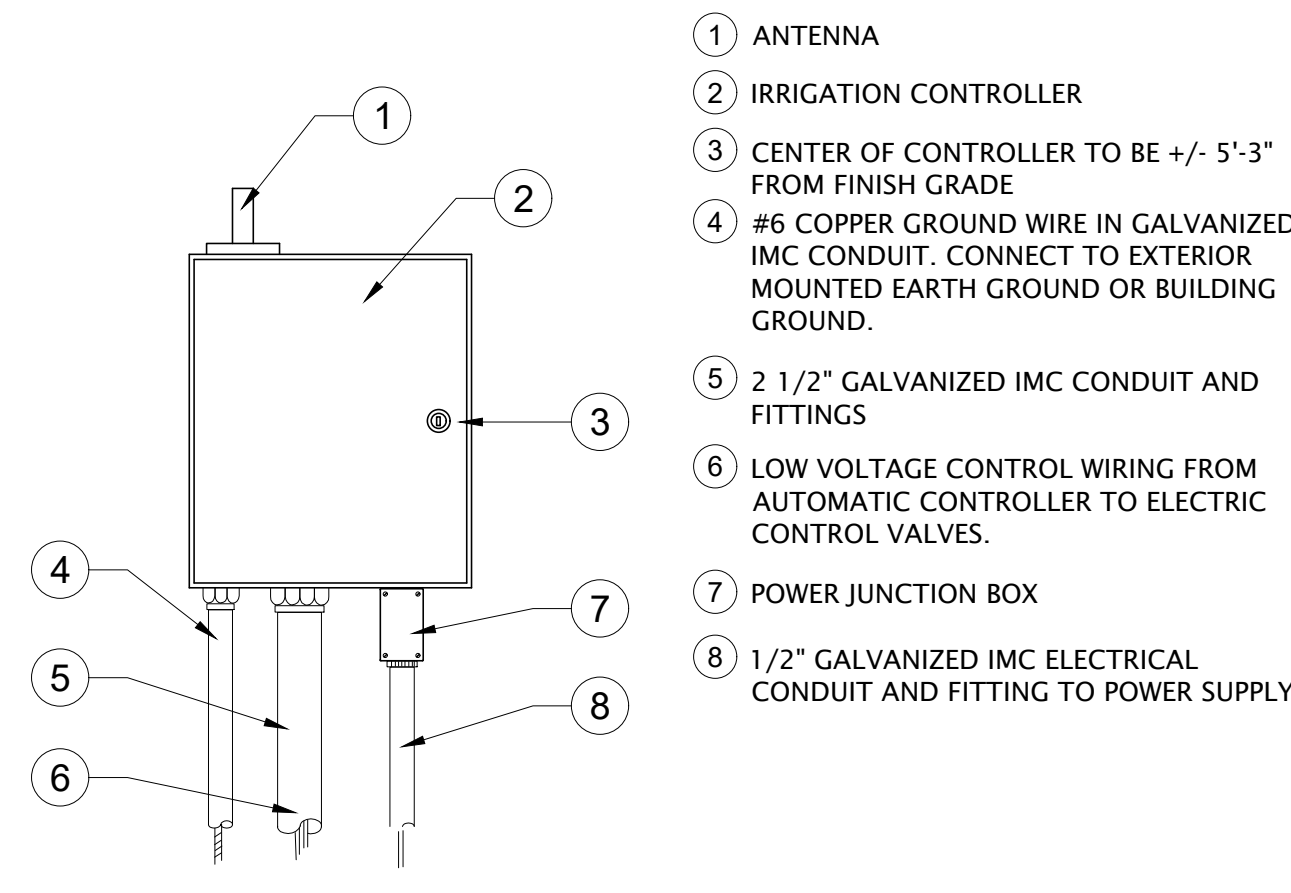
13. ALL VALVE BOXES AND LIDS IN ROCK MULCH AREAS ARE TO BE TAN IN COLOR. VALVE BOXES AND LIDS IN BARK MULCH AND LAWN AREAS ARE TO BE STANDARD GREEN. ALIGN VALVE BOXES PARALLEL WITH EDGE OF PAVEMENT/PLANTING BEDS. WHERE FEASIBLE, LOCATE THE EDGE OF VALVE BOX 12"-18" FROM EDGE OF PAVEMENT.

14. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE. HEADS SHALL BE LOCATED 1' AWAY FROM AND 1/4" BELOW ADJACENT CURBS, WALLS, WALKS, AND MOWSTRIPS.

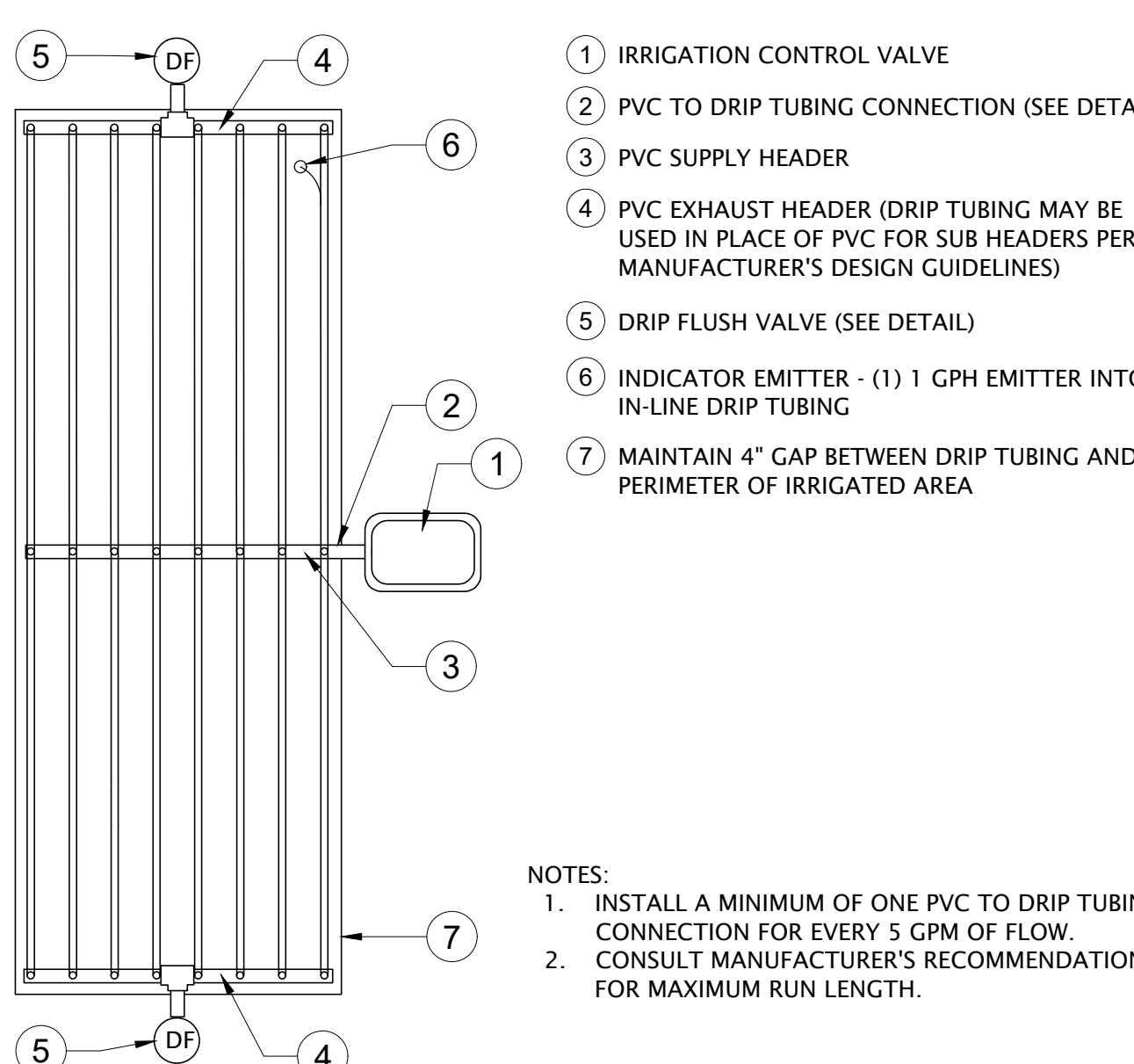
15. DRIP DISTRIBUTION TUBING TO BE BURIED BELOW MULCH AND STAKED AT MIN. 6" O.C. DRIP FITTINGS SHALL BE BARBED INSERT TYPE FITTINGS. COMPRESSION TYPE FITTINGS WILL NOT BE ACCEPTED. EMITTERS SHALL BE LOCATED ON UPHILL SIDE OF PLANTS. INSTALL DRIP FLUSH VALVE AT LOW POINT OF EACH DRIP ZONE AND AT THE END DRIP LINES.

16. GUARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE AGAINST ALL DEFECTS IN MATERIAL, EQUIPMENT, AND WORKMANSHIP. GUARANTEE SHALL COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT, OR WORKMANSHIP TO THE SATISFACTION OF THE OWNER. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AND AT NO ADDITIONAL COST TO THE OWNER.

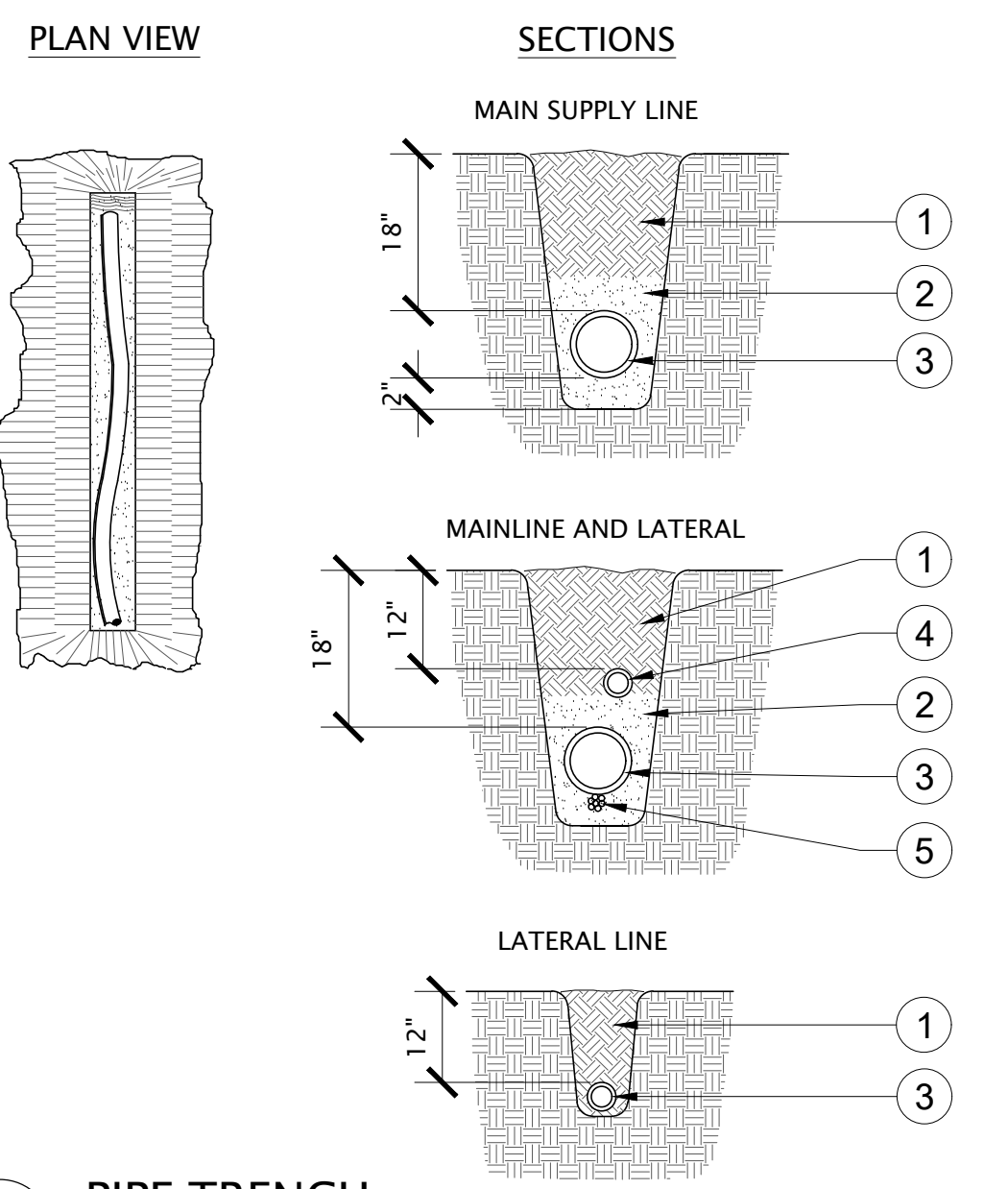
17. SEE DETAILS FOR ADDITIONAL INFORMATION. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.



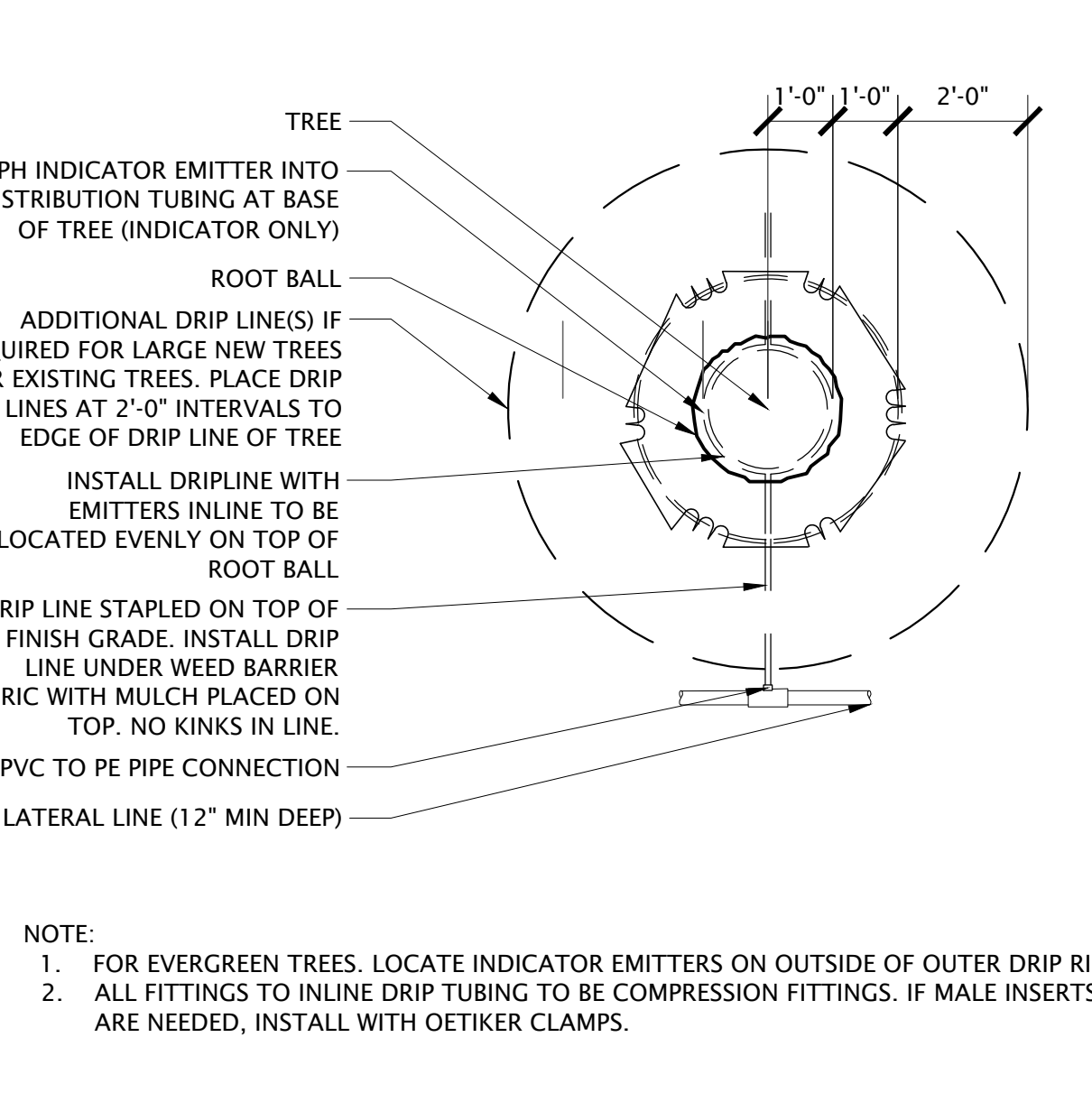
**1 CONTROLLER WITH WALL MOUNT**  
NOT TO SCALE



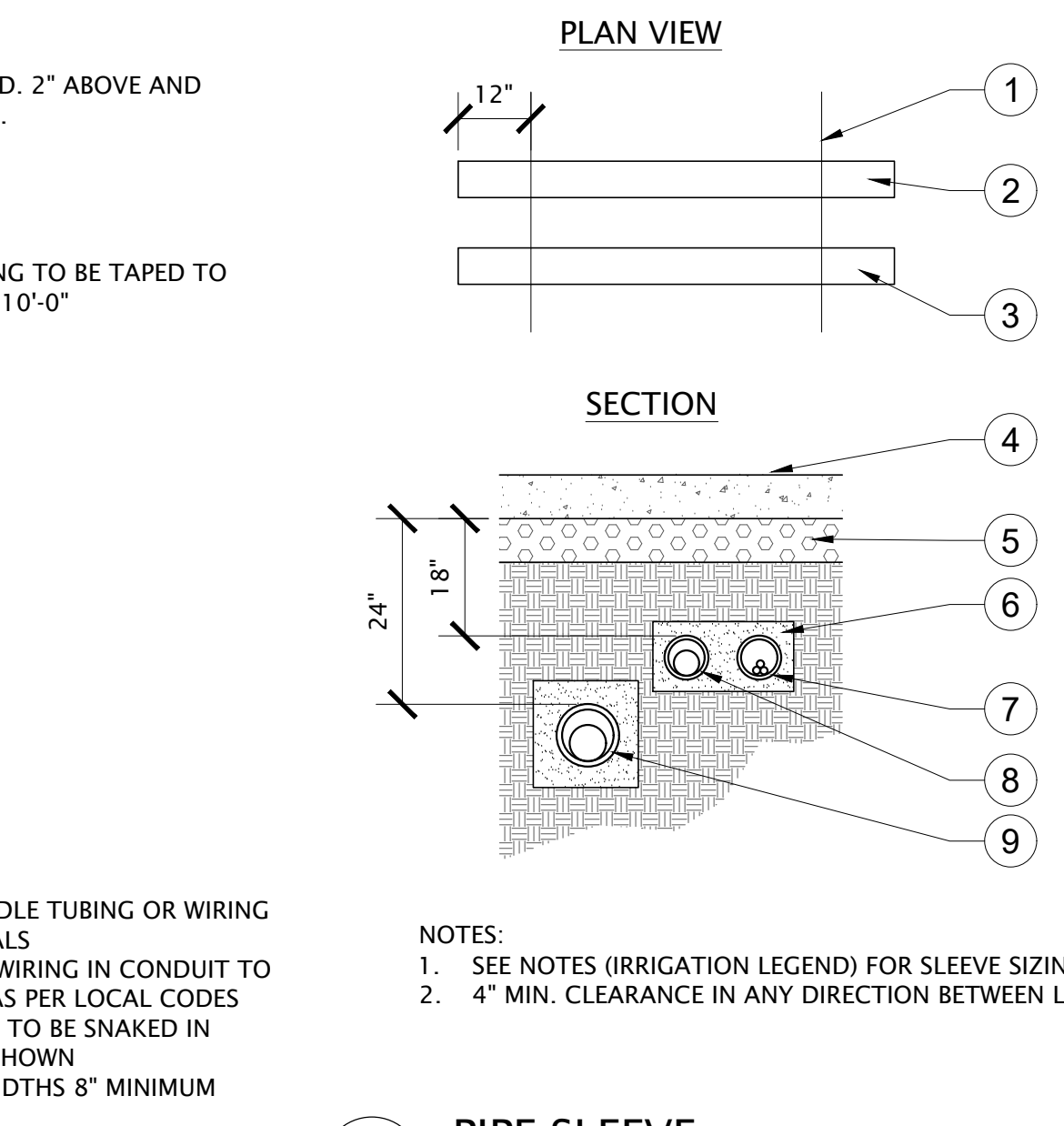
**5 CENTER FEED IN LINE DRIP**  
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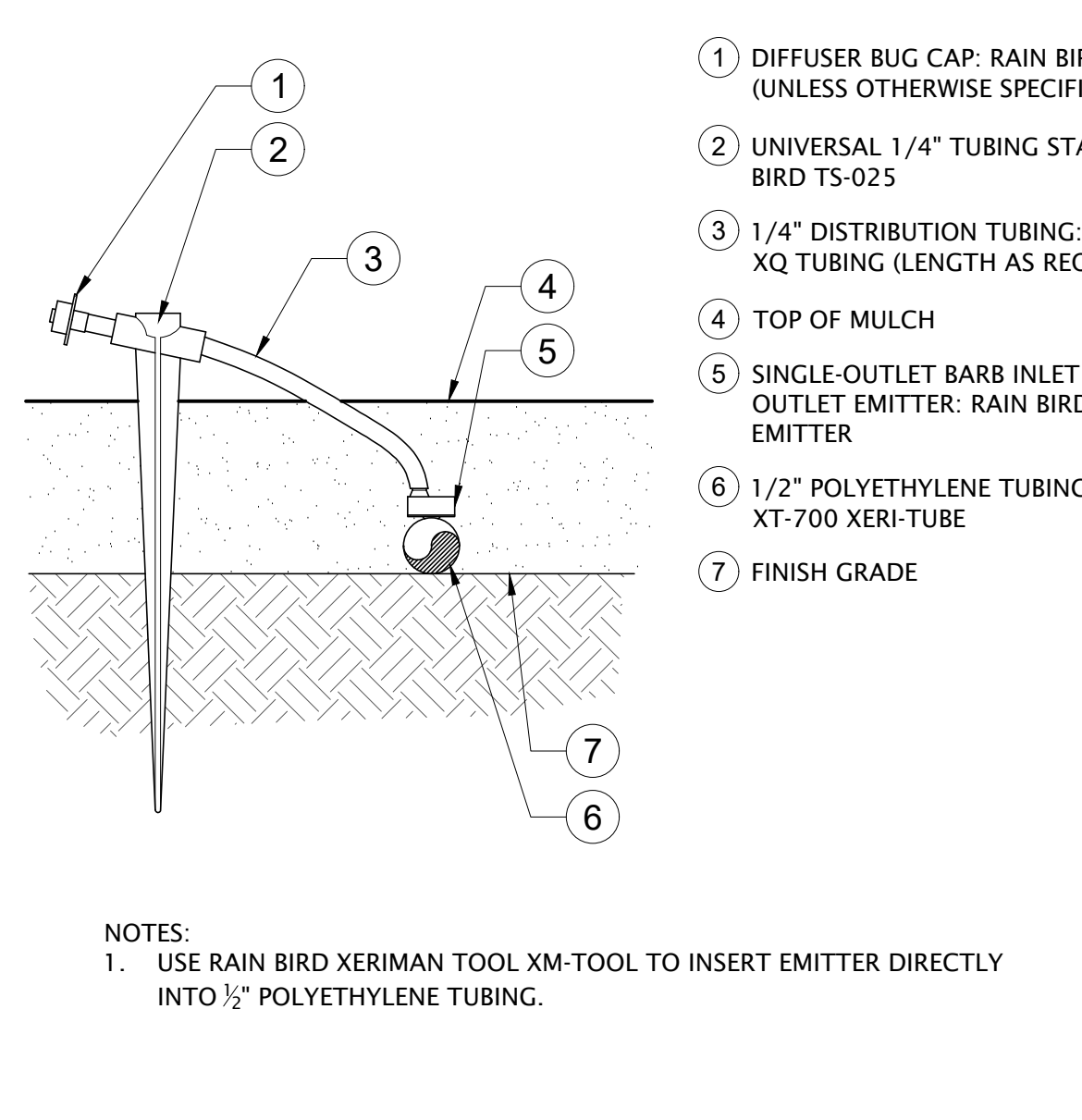
**2 PIPE TRENCH**  
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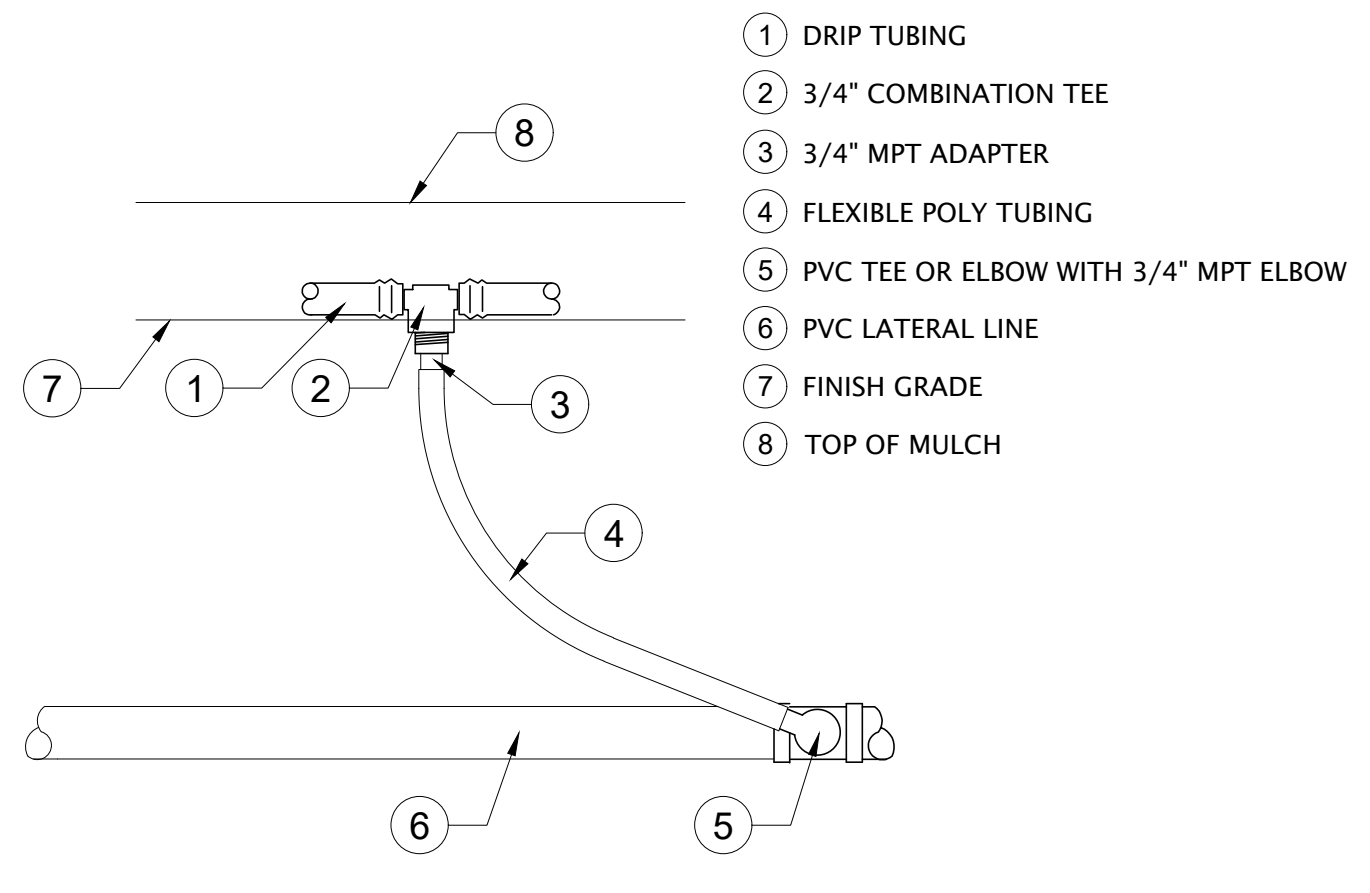
**6 TREE DRIP - PLAN VIEW (PLANTER AREAS)**  
NOT TO SCALE



**3 PIPE SLEEVE**  
NOT TO SCALE



**7 DRIP EMITTER**  
NOT TO SCALE



**4 PVC TO DRIP TUBING CONNECTION**  
NOT TO SCALE

NOTES:  
1. INSTALL A MINIMUM OF ONE PVC TO DRIP TUBING CONNECTION FOR EVERY 5 GPM OF FLOW.  
2. CONSULT MANUFACTURER'S RECOMMENDATIONS FOR MAXIMUM RUN LENGTH.

NOTES:  
1. FOR EVERGREEN TREES, LOCATE INDICATOR EMITTERS ON OUTSIDE OF OUTER DRIP RING.  
2. ALL FITTINGS TO INLINE DRIP TUBING TO BE COMPRESSION FITTINGS. IF MALE INSERTS ARE NEEDED, INSTALL WITH OETIKER CLAMPS.

NOTES:  
1. USE RAIN BIRD XERIMAN TOOL XM-TOOL TO INSERT EMITTER DIRECTLY INTO 1/2" POLYETHYLENE TUBING.

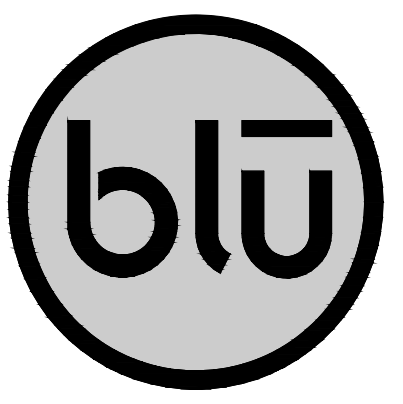
- 1 DEBRIS FREE FILL
- 2 DEBRIS FREE SAND, 2" ABOVE AND BELOW MAINLINE.
- 3 MAINLINE
- 4 LATERAL LINE
- 5 TUBING OR WIRING TO BE TAPED TO MAINLINE EVERY 10'-0"

- NOTES:  
1. TAPE AND BUNDLE TUBING OR WIRING AT 10' INTERVALS  
2. ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED AS PER LOCAL CODES  
3. ALL PVC PIPING TO BE SNAKED IN TRENCHES AS SHOWN  
4. ALL TRENCH WIDTHS 8" MINIMUM

- 1 PAVING SURFACE EDGE
- 2 SLEEVE, TYP.
- 3 EXTEND ALL SLEEVING MIN. OF 12" BEYOND EDGE OF PAVING, TYP.
- 4 PAVING SURFACE
- 5 COMPACTED BASE
- 6 SURROUND SLEEVE WITH 3" OF DEBRIS-FREE SAND.
- 7 IRRIGATION WIRES SLEEVE
- 8 LATERAL SLEEVING
- 9 MAIN LINE SLEEVE

- NOTES:  
1. INSTALL A MINIMUM OF ONE PVC TO DRIP TUBING CONNECTION FOR EVERY 5 GPM OF FLOW.  
2. CONSULT MANUFACTURER'S RECOMMENDATIONS FOR MAXIMUM RUN LENGTH.

- 1 DRIP TUBING
- 2 3/4" COMBINATION TEE
- 3 3/4" MPT ADAPTER
- 4 FLEXIBLE POLY TUBING
- 5 PVC TEE OR ELBOW WITH 3/4" MPT ELBOW
- 6 PVC LATERAL LINE
- 7 FINISH GRADE
- 8 TOP OF MULCH

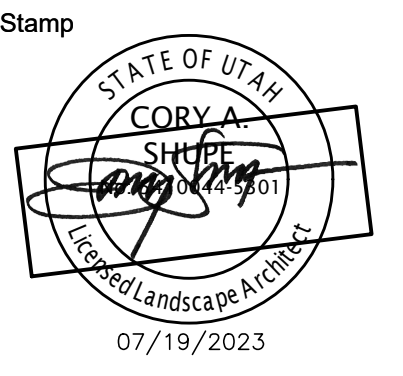


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REVISIONS	
NO.	DESCRIPTION



Designed By: SS  
Drawn By: MTT\_BMP  
Date: 07/19/2023  
Checked By: CS  
Project No: 21-252

Drawing Title

IRRIGATION  
DETAILS/NOTES

Drawing number

**LI.501**

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