MAPLETON CITY

MAPLETON BIKE PARK

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9 Feb. 2026
STATE OF UTAH

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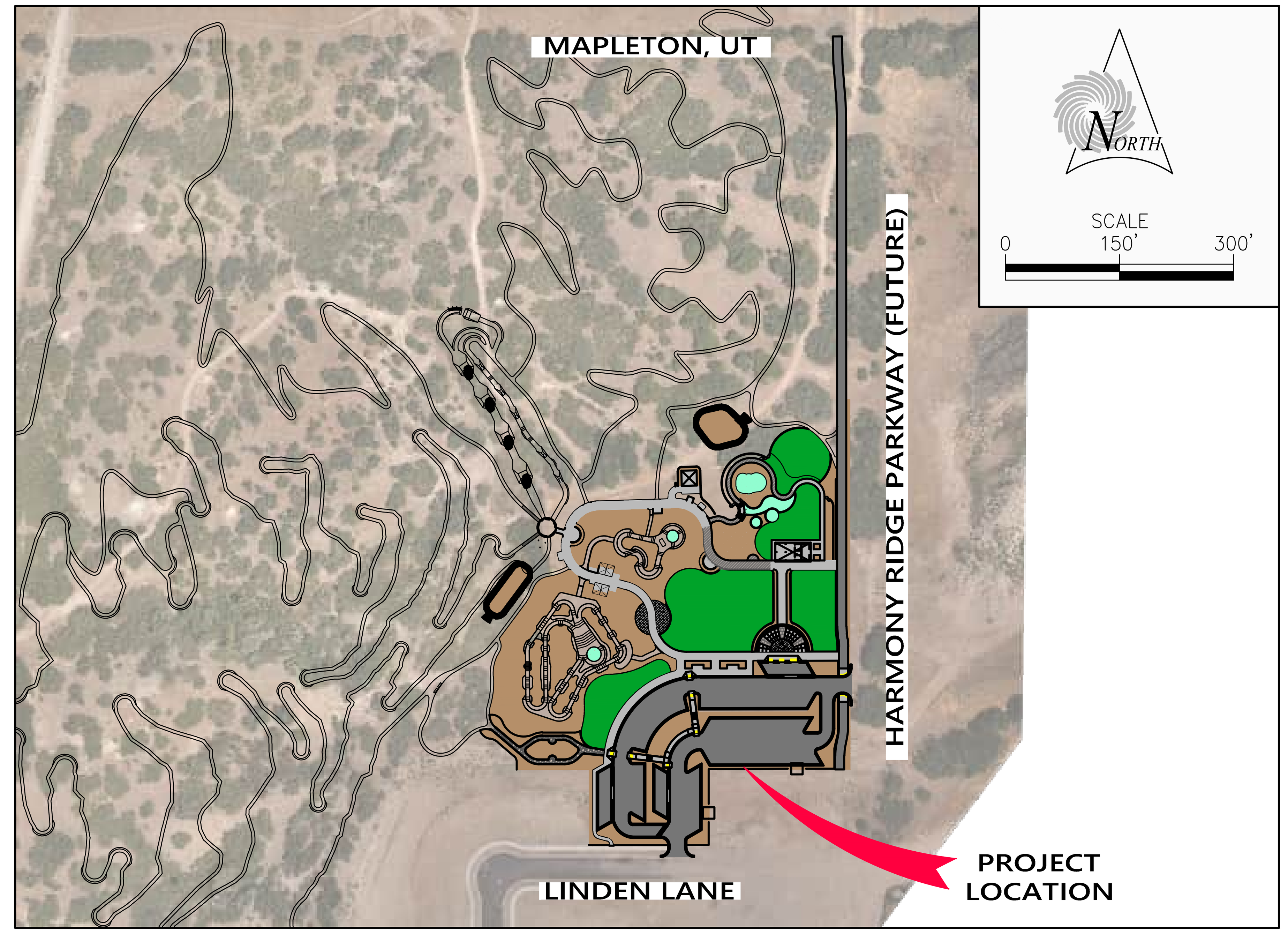
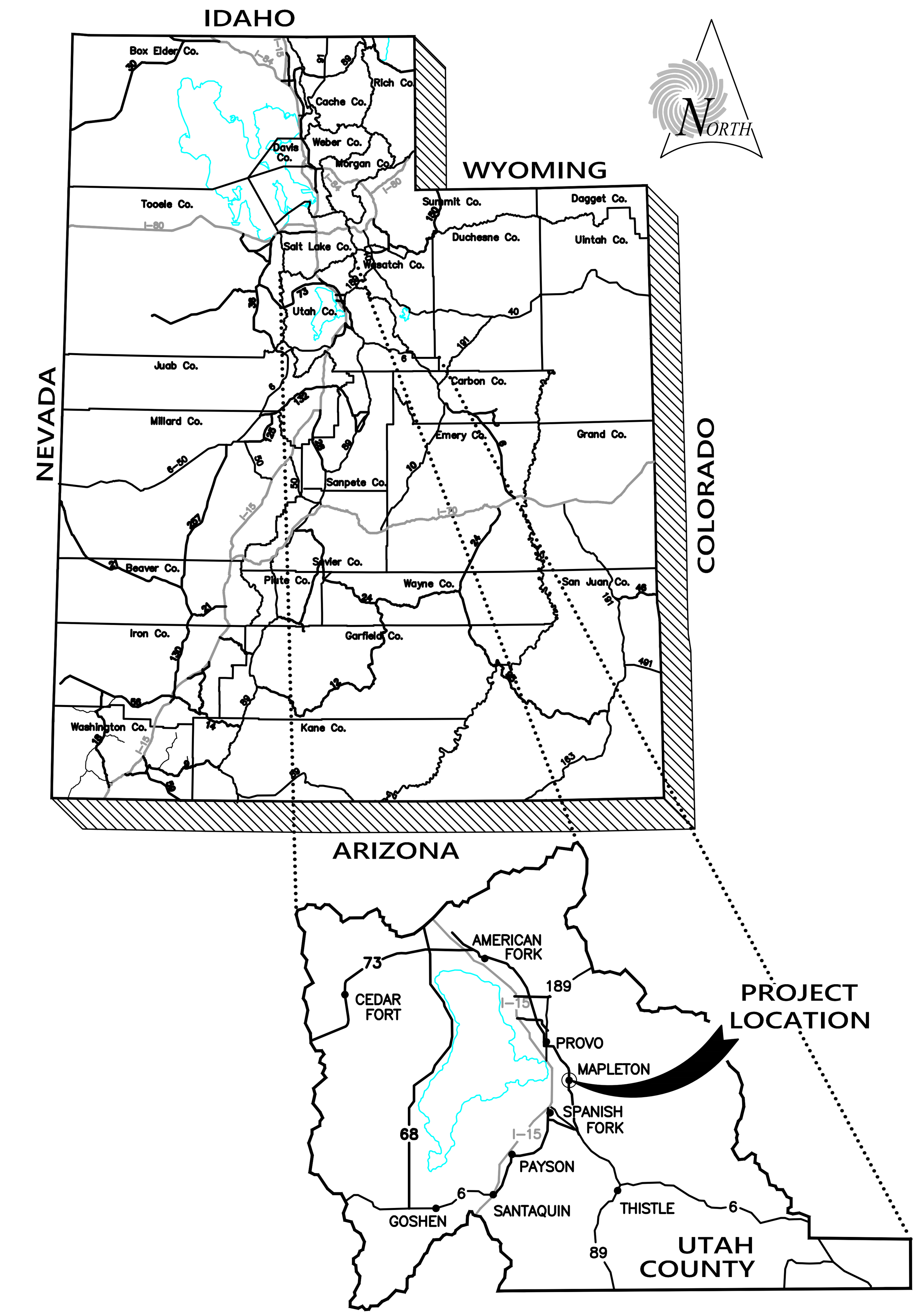
ABBREVIATIONS

AB	ANCHOR BOLT	JT.	JOINT
ALT.	ALTERNATE	J.B.	JUNCTION BOX
ALUM.	ALUMINUM	L	LENGTH
ACI	AMERICAN CONCRETE INSTITUTE	LN.	LINEAR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LF	LINEAR FEET
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	MH	MANHOLE
∠	ANGLE	MFR.	MANUFACTURER
APPROX. or ~	APPROXIMATELY	MATL.	MATERIAL
ASSY.	ASSEMBLY	MAX.	MAXIMUM
@	AT (MEASUREMENTS)	MECH.	MECHANICAL
AVG.	AVERAGE	MJ	MECHANICAL JOINT
B.M.	BENCH MARK	MGD	MILLIONS OF GALLONS PER DAY
BSC	BITUMINOUS SURFACE COURSE	MIN.	MINIMUM
B.F.	BLIND FLANGE	N	NORTH
B.W.	BOTH WAYS	NAC	NEVADA ADMINISTRATIVE CODE
BOT.	BOTTOM	NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
BLDG.	BUILDING	NDEP	NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BLM	BUREAU OF LAND MANAGEMENT	NO. OR #	NUMBER
BSDW	BUREAU OF SAFE DRINKING WATER (NV)	O.C.	ON CENTER
℄	CENTER LINE	OD	OUTSIDE DIAMETER
CO	CLEAN OUT	PERP.	PERPENDICULAR
CONC.	CONCRETE	PL.	PLATE
CONT.	CONTINUOUS	±	PLUS OR MINUS
CMP	CORRUGATED METAL PIPE	PE	POLYETHYLENE
CPLG.	COUPLING	PE. PIPE	POLYETHYLENE PIPE
CFS	CUBIC FEET PER SECOND	PVC	POLYVINYL-CHLORIDE
CU.	CUBIC	LB. OR #	POUND
CU. YD.	CUBIC YARD	PSI	POUNDS PER SQUARE INCH
DEG. OR °	DEGREE	PG	PRESSURE GAUGE
Δ	DELTA	⅊	PROPERTY LINE
DET.	DETAIL	R	RADIUS
DIAG.	DIAGONAL	RED.	REDUCER
DIA. OR ø	DIAMETER	REM.	REMOVE
DIM	DIMENSION	REQ'D	REQUIRED
DIST.	DISTRIBUTION	REV.	REVISION
DWG	DRAWING	R/W	RIGHT-OF-WAY
DIP	DUCTILE IRON PIPE	SCH	SCHEDULE
E	EAST	SHT.	SHEET
EA.	EACH	SL	SLOPE
E.F.	EACH FACE	S	SOUTH
ELEV. OR EL.	ELEVATION	SPEC.	SPECIFICATION
ELL.	ELBOW	SQ.	SQUARE
EOP	EDGE OF PAVEMENT	SF	SQUARE FEET
E.W.	EACH WAY	SQ. IN.	SQUARE INCHES
EXIST.	EXISTING	ST. STL.	STAINLESS STEEL
FT OR '	FEET	STD.	STANDARD
FG	FINISHED GRADE	STA	STATION
FS	FINISHED SURFACE	STL.	STEEL
FTG.	FITTING	SYM.	SYMMETRICAL
FLG	FLANGE	TBC	TOP BACK CURB
FLEX.	FLEXIBLE	TYP.	TYPICAL
FL	FLOW LINE	UAC	UTAH ADMINISTRATIVE CODE
GALV.	GALVANIZED	UBC	UNTREATED BASE COURSE
GPM	GALLONS PER MINUTE	UDOT	UTAH DEPARTMENT OF TRANSPORTATION
G.V.	GATE VALVE	VERT.	VERTICAL
GA.	GAUGE	VOL.	VOLUME
HDPE	HIGH DENSITY POLYETHYLENE	WS	WATER SURFACE
H.W.L.	HIGH WATER LEVEL	WT.	WEIGHT
HORIZ.	HORIZONTAL	W	WEST
IN. OR "	INCH	W/REQ'D	WHERE REQUIRED
ID	INSIDE DIAMETER	W/	WITH

LOCATION MAP



AREA MAP



SHEET INDEX

	DWG. NO	SHEET NO.
GENERAL SHEETS		
TITLE SHEET	G1	1
ABBREVIATIONS, LOCATION MAP, AREA MAP, & SHEET INDEX	G2	2
LEGEND	G3	3
STANDARD NOTES	G4	4
PROJECT NOTES & DESIGN CRITERIA	G5	5
SURVEY CONTROL	G6	6
SHEET INDEX	G7	7
DEMOLITION, SITE, & GRADING PLANS		
DEMOLITION PLAN	DPIDX,DP1–DP3	8–11
SITE PLAN	SPIDX,SP1–SP3	12–15
GRADING PLAN	GP1–GP5	16–20
ALIGNMENT & PROFILE SHEETS	APIDX,AP1–AP8	21–29
UTILITY, DRAINAGE PLAN, & STRIPING PLAN		
UTILITY PLAN	UTIL1	30
DRAINAGE PLAN	DRIDX,DR1–DR5	31–36
STRIPING PLAN	ST1	37
DETAILS		
DETAILS	D1–D7	38–44
ELECTRICAL PLANS		
NOTES, SYMBOLS, & SCHEDULES	E100–E203	1–4
SITE PLAN	E301–E302	5–6
PHOTOMETRICS	E303	7
SITE PLAN & DETAILS	E401–E402	8–9
RESTROOM BUILDING PLANS		
TITLE PAGE & SPECIFICATIONS	A1.1	1
FLOOR PLAN, ELEVATION VIEW, & SPECIFICATIONS	A2.1–A2.2	2–3
CMU & FOUNDATION PLANS, DETAILS, & SPECIFICATIONS	S3.1–S4.1	4–5
LANDSCAPE & IRRIGATION PLANS		
LAYOUT & MATERIAL PLANS & DETAILS	LM101–LM507	1–11
PLANTING PLANS, SCHEDULES, & DETAILS	LP101–LP501	12–17
IRRIGATION PLANS, SCHEDULES, & DETAILS	LI101–LI506	18–28
BIKE & TRAIL PLANS		
PUMP TRACK & JUMP LINE PLANS	TR1.0–TR1.5	1–6
CONSTRUCTION DETAILS	TR2.0–TR2.3	7–10
TRAILS PLANS	TR3.0–TR3.8	11–19

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MAPLETON CITY
MAPLETON BIKE PARK
ABBREVIATIONS, LOCATION MAP, AREA MAP, & SHEET INDEX

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	2 of 44	G2

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SYMBOL LEGEND

EXISTING	PROPOSED	
SD	SD	STORM DRAIN MANHOLE
W	W	WATER MANHOLE
S	S	SEWER MANHOLE
IR	IR	IRRIGATION MANHOLE
MH	MH	MANHOLE
		CATCH BASIN
		AIR RELEASE VALVE
		VALVE
		FIRE HYDRANT
		WATER METER
BF	BF	BACKFLOW PREVENTER
		TEE
		ELBOW
		45D FITTING
		22.5D FITTING
		11.25D FITTING
		REDUCER
		SEWER CLEANOUT
		IRRIGATION VALVE
POC	POC	IRR POINT OF CONNECTION
GM	GM	GAS METER
		GAS RISER
GV	GV	GAS VALVE
		FIELD DRAIN
		POWER POLE
		GUY WIRE
E	E	ELECTRIC MANHOLE/VAULT/CABINET
		JUNCTION BOX
		POWER PEDESTAL
T	T	TRANSFORMER
		STREET LIGHT
		PARKING LOT LIGHT
		TRAIL LIGHT
		FIELD/COURT LIGHT
C	C	COMMUNICATIONS VAULT
		SIGN
		VEGETATION
		BRASS CAP MONUMENT
		BENCHMARK

LINETYPE LEGEND

EXISTING	PROPOSED	
x" sd	x" SD	STORM DRAIN LINE (SIZE AS SHOWN)
x" w	x" W	WATER LINE (SIZE AS SHOWN)
x" s	x" S	SEWER LINE (SIZE AS SHOWN)
x" irr	x" IRR	IRRIGATION LINE (SIZE AS SHOWN)
x" fd	x" FD	FIELD DRAIN LINE (SIZE AS SHOWN)
g	G	GAS LINE
e	E	ELECTRIC
uge	UGE	UNDERGROUND ELECTRIC
ohe	OHE	OVERHEAD ELECTRIC
tel	TEL	TELECOMMUNICATIONS
fo	FO	FIBER OPTIC
		BARBED WIRE FENCE
		CHAINLINK FENCE
		WOOD FENCE
x	X	MISC. FENCE
		ROCK WALL
		CMU OR CONCRETE WALL
eop	EOP	EDGE OF PAVEMENT
		MAJOR CONTOUR
		MINOR CONTOUR
hw	HW	HIGH WATER ELEVATION
FL	FL	FLOWLINE
row	ROW	RIGHT-OF-WAY
		PERPETUAL EASEMENT
PL	PL	PROPERTY LINE
BL	BL	BOUNDARY LINE
		LOT LINE ON SECTION LINE
		SECTION LINE
		SETBACK LINE

STRIPING LEGEND

4" SOLID WHITE LINE

4" BROKEN WHITE LINE W/ 10' LINE SEGMENT & 30' GAP

4" BROKEN YELLOW LINE W/ 10' LINE SEGMENT & 30' GAP

4" SOLID DOUBLE YELLOW LINE W/ 4" SEPARATION

4" DOUBLE YELLOW LINE, ONE SOLID, ONE SKIP, W/ 4" SEPARATION

12" SOLID WHITE STOP LINE

8" SOLID WHITE LINE

4" DASHED WHITE LINE W/ 2' LINE SEGMENT & 4' GAP

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LEGEND

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S16247	KRM	KRM	TCT	3 of 44	G3

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GENERAL NOTES

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT DRAWINGS AND SPECIFICATIONS, LOCAL, STATE, AND FEDERAL CODES, AND SHALL OTHERWISE BE COMPLETED IN A NEAT, WORKMANLIKE MANNER.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING PERMITS, RENEWAL OF LAPSED PERMITS, AND OBTAINING ANY NEW PERMITS, INCLUDING, BUT NOT LIMITED TO A DUST CONTROL PERMIT, AND TRAFFIC CONTROL PERMITS AS REQUIRED BY THE OWNER. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL TERMS AND CONDITIONS IMPOSED BY THE PERMITTING AGENCIES.
3. CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS. IT IS CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS, AND TAKE WHATEVER MEASURES ARE NECESSARY TO ENSURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES. NO WORK WILL BE CONSIDERED COMPLETE UNTIL ALL PAVEMENTS HAVE BEEN SWEPT CLEAN OF DIRT AND DEBRIS.
4. CONTRACTOR SHALL PROVIDE MEANS OF MANAGING ANY STORM WATER, GROUND WATER, OR NUISANCE SURFACE WATER WHICH MAY INTERFERE WITH THE WORK.
5. DUST CONTROL AND WATERING SHALL BE PROVIDED BY CONTRACTOR PER THE BID SCHEDULE. WHERE A SPECIFIC BID ITEM IS NOT GIVEN IN THE BID SCHEDULE, DUST CONTROL AND WATERING SHALL BE CONSIDERED INCIDENTAL TO THE OTHER BID ITEMS. CONTRACTOR SHALL PROVIDE WATER FOR CONSTRUCTION IN THE QUANTITIES NECESSARY TO MEET THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS FOR DUST CONTROL.
6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, OWNER STANDARD SPECIFICATIONS, AND LOCAL, STATE, AND FEDERAL CODES, AND SHALL OTHERWISE BE COMPLETED IN A NEAT, WORKMANLIKE MANNER. WORK SHALL BE COMPLETED PER THESE PLANS AND SPECIFICATIONS AND IN ACCORDANCE WITH OWNER STANDARDS. IN THE CASE OF A CONFLICTING REQUIREMENT, THE MORE STRINGENT SHALL GOVERN.
7. WORK INTENDED BY THE DRAWINGS AND SPECIFICATIONS BUT NOT SPECIFICALLY IDENTIFIED IN A PARTICULAR BID ITEM SHALL BE CONSIDERED INCIDENTAL TO THE OTHER BID ITEMS.
8. PER THE CONTRACT DOCUMENTS FOR THIS PROJECT, THE WARRANTY PERIOD FOR WORK ON THIS PROJECT SHALL BE 1 YEAR.
9. THE CONTRACTOR RECOGNIZES THAT TIME IS OF THE ESSENCE WITH THIS PROJECT AND SHALL SELECT AND UTILIZE LABOR, EQUIPMENT, AND MATERIALS THAT MINIMIZE THE CONSTRUCTION TIMELINE. THE CONTRACTOR SHALL ALSO REGULARLY APPRISE THE OWNER OF ELEMENTS REQUIRING LONG LEAD, INSTALLATION, OR CURING TIMES.
10. THE CONTRACTOR SHALL FOLLOW GUIDELINES AND REGULATIONS SET FORTH BY OSHA. ENGINEER AND OWNER WILL NOT BE RESPONSIBLE FOR JOB-SITE SAFETY PROCEDURES OR CONDITIONS.
11. CONTRACTOR IS RESPONSIBLE TO VERIFY TIE IN POINTS TO EXISTING IMPROVEMENTS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER 5 WORKING DAYS PRIOR TO CONSTRUCTION IF THE EXISTING CONDITIONS ARE DIFFERENT FROM WHAT IS SHOWN ON THESE PLANS.
12. CONTRACTOR SHALL SUBMIT ALL COLOR SELECTIONS TO OWNER AS PART OF THE SUBMITTAL PROCESS AND OWNER WILL SELECT FINAL COLORS AS PART OF THAT PROCESS.
13. CONTRACTOR SHALL NOTIFY OWNER'S INSPECTION DEPARTMENT 24 HOURS PRIOR TO CONSTRUCTION. CONSTRUCTION CONCEALED WITHOUT THE REQUIRED INSPECTION SHALL BE SUBJECT TO EXPOSURE AT CONTRACTOR'S EXPENSE.
14. ANY AMBIGUITIES OR DEFICIENCIES DISCOVERED ON THESE PLANS ARE TO BE RESOLVED BY ENGINEER OR ITS APPOINTED REPRESENTATIVE. IF ANYONE OTHER THAN ENGINEER OR ITS APPOINTED REPRESENTATIVE MAKE ANY MODIFICATIONS, THEY ARE SOLELY RESPONSIBLE FOR THOSE MODIFICATIONS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT UTILITY SERVICES ARE TERMINATED PRIOR TO COMMENCING CONSTRUCTION.
16. OWNER HAS WITHIN ITS ROADS, STREETS, AND RIGHTS-OF-WAY; CULINARY WATER SYSTEMS, POWER AND TELEPHONE LINES, ETC. THE LOCATION OF THE UNDERGROUND UTILITIES HAVE BEEN SHOWN TO THE BEST OF ENGINEER'S ABILITY. HOWEVER, SOME OF THE UTILITIES MAY NOT BE SHOWN AND CONTRACTOR HAS THE ULTIMATE RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ANY UTILITIES DISTURBED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED AT CONTRACTOR'S EXPENSE. OWNER AND ENGINEER WILL COORDINATE WITH CONTRACTOR TO LOCATE OR RELOCATE PLANNED IMPROVEMENTS BASED ON ACTUAL SITE CONDITIONS.
17. NORMAL POT-HOLING TO LOCATE UNDERGROUND UTILITIES SHALL BE INCLUDED AS PART OF THE PRICE OF CONSTRUCTION.
18. AN EFFORT HAS BEEN MADE TO SHOW THE EXISTING UTILITIES AND THE PROPOSED IMPROVEMENTS AS ACCURATELY AS POSSIBLE. ALL PIPELINE LOCATIONS, SIZES, AND TYPES ARE SHOWN ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER. HOWEVER, ACTUAL FIELD CONDITIONS MAY VARY. ADDITIONAL WORK MAY BE REQUIRED AND LIKEWISE PROPOSED WORK MAY BE ELIMINATED BASED ON ACTUAL FIELD CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE LOCATION, SIZE, AND TYPE OF PIPELINES WHERE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL EXERCISE CAUTION AND USE BEST AVAILABLE CONSTRUCTION TECHNIQUES TO DETERMINE THE ACTUAL LOCATION OF AND PROTECTION FOR ALL UNDERGROUND UTILITIES WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR LOCATION OF SERVICE AND/OR RELOCATION OF UTILITIES IN CONFLICT WITH PROPOSED CONSTRUCTION. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF UTILITIES, POWER POLES, ETC.
20. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES IN CASE OF CONFLICTS WITH PEDESTALS OR OTHER IMPROVEMENTS.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION OF THE PROPER AUTHORITY(S) IF THERE ARE OBSTRUCTIONS TO PROPOSED IMPROVEMENTS AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY EXISTING ITEM REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION AT CONTRACTOR'S EXPENSE.
22. WHERE PROJECT GOES THROUGH OR ADJACENT TO PRIVATE PROPERTY, CONTRACTOR SHALL OBTAIN A PROPERTY OWNER'S RELEASE BEFORE RETENTION CAN BE RELEASED.
23. NO CONSTRUCTION WORK WILL BE ALLOWED ON SATURDAYS, SUNDAYS, OR HOLIDAYS OBSERVED BY THE OWNER UNLESS OTHERWISE AGREED IN WRITING.
24. ANY DEBRIS RESULTING FROM THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR. CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR DISPOSAL SITES AT WHICH SAID MATERIAL MAY BE LAWFULLY WASTED. FINAL GRADE OF DISTURBED AREAS IS SUBJECT TO ENGINEER'S AND OWNER'S APPROVAL AND IS TO BE DONE IN A NEAT WORKMANLIKE MANNER.
25. NO TRENCH MAY BE LEFT UNPAVED FOR MORE THAN 5 DAYS WITHOUT PRIOR APPROVAL FROM OWNER.
26. NO EXCAVATION OF ANY KIND SHALL BE LEFT OPEN OVERNIGHT.
27. CURB AND GUTTER WITH A GRADE LESS THAN 0.5% SHALL SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
28. ALL MANHOLES, VALVE BOXES, JUNCTION STRUCTURES, VAULTS AND CLEANOUTS THAT ARE LOCATED WITHIN THE ROADWAY LIMITS SHALL BE CONSTRUCTED TO, AND PLATED AT SUBGRADE LEVEL UNTIL SUCH TIME AS THE AGGREGATE BASE AND PLANT MIX BITUMINOUS SURFACE HAS BEEN COMPLETED. THEREAFTER, THESE ITEMS SHALL BE ADJUSTED TO FINISH GRADE.
29. UTILITY BOXES AND VAULTS LOCATED IN THE SIDEWALK AREA ARE TO BE CONSTRUCTED TO THE FINISH DESIGN GRADE. THE ELEVATION SHALL BE CONSISTENT WITH THAT REQUIRED FOR THE OWNERS STANDARD CONCRETE SIDEWALK CONSTRUCTION.
30. THE CONTRACTOR SHALL PROVIDE REASONABLE ACCOMMODATIONS FOR OWNER PERSONNEL TO OBTAIN GPS/GIS DATA ON ALL UNDERGROUND UTILITIES AND INFRASTRUCTURE.
31. ALL OFF-SITE IMPROVEMENT SUBGRADE MUST BE CERTIFIED BY THE GEOTECHNICAL ENGINEER.
32. THE CONTRACTOR SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
33. ALL EXISTING CONSTRUCTION, TO BE MET BY NEW CONSTRUCTION, SHALL BE FIELD VERIFIED FOR VERTICAL AND HORIZONTAL LOCATIONS BEFORE THE START OF DEPENDENT NEW CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OF EXISTING CONDITIONS FROM THOSE SHOWN ON THE PLANS BEFORE THE START OF THE NEW CONSTRUCTION SO THAT ANY CHANGES WHICH MAY BE REQUIRED CAN BE MADE.
34. ALL CLEARING AND GRADING WORK SHALL BE IN STRICT CONFORMANCE WITH THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT.
35. THE CONTRACTOR SHALL REVIEW THE ABOVE MENTIONED GEOTECHNICAL INVESTIGATION PRIOR TO STARTING THE WORK.
36. THE CONTRACTOR SHALL COORDINATE A PRE-CONSTRUCTION MEETING INVOLVING THE POWER COMPANY, TELEPHONE COMPANY(S), CABLE COMPANY(S), AND PUBLIC WORKS DEPARTMENT TO DETERMINE UTILITY LINES, JUNCTION BOXES AND TRANSFORMER LOCATIONS, AND EASEMENTS.
37. THE CONTRACTOR WILL FOLLOW GUIDELINES AND REGULATIONS SET FORTH BY O.S.H.A. SUNRISE ENGINEERING, INC. WILL NOT BE RESPONSIBLE FOR JOB-SITE SAFETY PROCEDURES OR CONDITIONS.
38. THE CONTRACTOR SHALL COORDINATE FIELD MODIFICATIONS WITH OWNER PRIOR TO MAKING SUCH VARIATIONS IN THE FIELD.

SEWER NOTES

1. THE CONTRACTOR IS TO FIELD VERIFY THE LOCATIONS, THE INVERT ELEVATIONS AND THE MATERIALS OF ALL EXISTING SEWER PIPES OR MANHOLES AT THE POINTS OF TIE-IN PRIOR TO COMMENCING ANY NEW SEWER CONSTRUCTION. SHOULD ANY LOCATION, ELEVATION OR MATERIAL DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR IS TO CONTACT THE ENGINEER FOR DIRECTION.
2. THE INLET AND OUTLET PIPE CONNECTIONS TO MANHOLES SHALL BE MADE BY THE USE OF FLEXIBLE COMPRESSION JOINTS NO CLOSER THAN 12 INCHES TO, AND NOT FARTHER THAN 36 INCHES FROM, THE MANHOLE WALL. NO FLEXIBLE COMPRESSION JOINTS SHALL BE EMBEDDED IN THE MANHOLE BASE OR BENCH.
3. SEWER PIPE JOINT DEFLECTION SHALL NOT EXCEED PIPE MANUFACTURER'S RECOMMENDATION. PIPES SHALL NOT BE DEFLECTED AT JOINTS UNLESS CALLED FOR IN THESE PLANS.
4. ALL TESTS REQUIRED BY THE PROJECT SPECIFICATIONS SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER/ENGINEER OR THEIR REPRESENTATIVE. ANY PIPE SEGMENT OR STRUCTURE FAILING TO PASS A TEST SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
5. ALL PIPELINES SHALL BE INSTALLED AT LOCATIONS AND DEPTH REQUIRED ON THE PLANS AND/OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL NOT MOVE THE PLANNED ALIGNMENT OF ANY IMPROVEMENTS WITHOUT THE WRITTEN CONSENT OF BOTH THE ENGINEER AND THE OWNER. STANDARD OFFSET DISTANCES FROM OTHER EXISTING UTILITIES ARE EXPECTED TO BE FOLLOWED DURING CONSTRUCTION OF NEW LINES.
6. FLOWABLE BACKFILL SHALL BE USED WHERE VERTICAL SEPARATION BETWEEN PIPES IS 9" OR LESS.
7. WHEN ADJUSTING MANHOLES, THE CONTRACTOR SHALL INSTALL PLYWOOD COVERS IN SANITARY SEWER MANHOLE INVERTS AS WELL AS STEEL PLATE COVERS OVER MANHOLES (AFTER MANHOLE RINGS/FRAMES ARE REMOVED) TO PREVENT DEBRIS FROM ENTERING SEWER MANHOLES AND CORRESPONDING LINES. DEBRIS IN THE MANHOLES SHALL BE REMOVED PRIOR TO PLYWOOD REMOVAL.
8. PLYWOOD AND STEEL COVERS FOR MANHOLES SHALL BE INSTALLED AND REMOVED IN THE PRESENCE OF THE OWNERS REPRESENTATIVE. ALL DEBRIS DROPPED IN TO THE SEWER MANHOLES AND CORRESPONDING LINES SHALL BE RETRIEVED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CLEAN (E.G., JET VAC OR EQUIVALENT) THE DEBRIS OUT OF THE AFFECTED MANHOLES AND/OR SEWER LINES IN THE PRESENCE OF THE OWNER REPRESENTATIVE.
9. ALL EXFILTRATION, INFILTRATION AND AIR TESTING OF LINES SHALL BE IN ACCORDANCE WITH OWNER STANDARDS.

WATER NOTES

1. ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PLACING OF ASPHALT SURFACE COURSE BY THE CONTRACTOR AS PER OWNER'S STANDARDS.
2. ALL WATERLINES SHALL HAVE MINIMUM COVER AS SPECIFIED BY THE OWNER'S STANDARDS
3. CONTRACTOR MUST MAINTAIN A CONSTANT SLOPE OF WATER LINES TO HIGH/LOW POINTS.
4. DUCTILE IRON PIPE WHEN REQUIRED SHALL BE A MINIMUM THICKNESS CLASS 52.
5. PAVEMENT REPLACEMENT AND TRENCH REPAIR SHALL BE DONE TO OWNER'S STANDARDS.
6. ALL PIPELINES SHALL BE INSTALLED AT LOCATIONS AND DEPTH REQUIRED ON THE PLANS AND/OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL NOT MOVE THE PLANNED ALIGNMENT OF ANY IMPROVEMENTS WITHOUT THE WRITTEN CONSENT OF BOTH THE ENGINEER AND THE OWNER. STANDARD OFFSET DISTANCES FROM OTHER EXISTING UTILITIES ARE EXPECTED TO BE FOLLOWED DURING CONSTRUCTION OF NEW LINES.
7. NO WATER MAIN MAY BE SHUT DOWN TO MAKE CONNECTIONS WITHOUT PRIOR APPROVAL OF THE OWNER.
8. PIPE DETECTOR RIBBON AND LOCATOR BALLS SHALL BE REQUIRED ABOVE ALL WATER MAINS, SERVICE LATERALS THAT ARE SIX INCHES AND LARGER, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN LINE.
9. ALL WATER MAINS SHALL BE FILLED, PRESSURE TESTED, DISINFECTED, IN ACCORDANCE TO THE SPECIFICATION AND/OR LOCAL/STATE REGULATIONS.

GRADING AND DRAINAGE NOTES

1. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
2. GRADING AND DRAINAGE PLAN APPROVAL INCLUDES THE CONSTRUCTION OF ALL SURFACE IMPROVEMENTS SHOWN ON THE APPROVED PLAN, INCLUDING, BUT NOT LIMITED TO, RETENTION AREAS, SEDIMENTATION BASINS AND/OR OTHER DRAINAGE FACILITIES, DRAINAGE PATTERNS, WALLS, CURBS, ASPHALT PAVEMENT AND BUILDING FLOOR ELEVATIONS.
3. CONTRACTOR SHALL PROVIDE LEVEL BOTTOM IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. SLOPE PROTECTION SHALL BE APPLIED TO PREVENT EROSION.
4. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING DEPTHS OF ALL THE EXISTING UTILITY LINES WITHIN PROPOSED RETENTION BASIN AREAS. IF THE BASIN CANNOT BE CONSTRUCTED PER PLAN BECAUSE OF CONFLICTS, THE CONTRACTOR SHOULD DISCUSS MODIFICATION OF BASIN CONFIGURATION WITH THE INSPECTOR TO DETERMINE IF A PLAN REVISION OR FIELD CHANGE IS REQUIRED.
5. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTOR DITCHES, PIPES, PROTECTIVE BERMS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT ADJACENT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO BUILDING CONSTRUCTION.
6. A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION AND SHALL DETERMINE THE EXACT LOCATION OF UTILITIES IN ADVANCE OF TRENCHING. THE ENGINEER WILL NOT GUARANTEE ANY ELEVATIONS AT LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS.
7. THE CONTRACTOR SHALL CERTIFY TO THE OWNER THAT ALL FILLS, FOUNDATIONS, AND SUBGRADES MEET THE MINIMUM COMPACTION REQUIREMENTS. CERTIFICATION SHALL BE MADE PRIOR TO POURING CONCRETE.

TRAFFIC CONTROL NOTES

1. PROPER SIGNING AND FLAGGING SHALL BE REQUIRED.
2. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL ROAD CONSTRUCTION BARRICADES, CHANNELING DEVICES, CONSTRUCTION SIGNS, AND FLAGGING PERSONNEL IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS.
3. THE CONTRACTOR SHALL MAINTAIN TRAFFIC AND PEDESTRIAN ACCESS.
4. THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION EQUIPMENT FROM THE ROADWAY DURING NIGHT AND NON-CONSTRUCTION HOURS.
5. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR TO THE OWNER AND APPROVED BY THE OWNER PRIOR TO THE COMMENCEMENT OF WORK IN THE ROADWAYS.
6. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE PROJECT ENGINEER.
7. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC CONTROL SIGNS OR ANY OTHER TRAFFIC CONTROL DEVICES, THEY SHALL BE MAINTAINED THROUGHOUT THE ENTIRE DURATION OF THE PROJECT AND SHALL BE RESTORE TO THE SATISFACTION OF THE PROJECT ENGINEER BY A CERTIFIED DESIGNATED TRAFFIC CONTROL MAINTAINER.

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MAPLETON CITY
MAPLETON BIKE PARK
STANDARD NOTES

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S16247	KRM	KRM	TCT	4 of 44	G4

FEBRUARY 2026

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PROJECT NOTES

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE MOST RECENT VERSIONS OF THE MAPLETON CITY AND APWA STANDARD SPECIFICATIONS, AS WELL AS THE PROJECT GEOTECHNICAL REPORT.
2. ALL MATERIALS, GRADING, EARTHWORK, ETC. SHALL MEET THE MAPLETON CITY STANDARD SPECIFICATIONS.
3. CONTRACTOR SHALL PREVENT DIRT AND FOREIGN MATTER FROM ENTERING MANHOLES, CATCH BASINS, INLETS, PIPE, ETC. THROUGHOUT THE DURATION OF THE PROJECT.
4. CONTRACTOR SHALL USE EXTREME CAUTION TO AVOID A CONFLICT, CONTACT OR DAMAGE TO EXISTING UTILITIES, SUCH AS POWER LINES, SEWER LINES, STORM DRAINS, STREET LIGHTS, TELEPHONE LINES, TELEVISION LINES, WATER LINES, POLES OR OTHER APPURTENANCES DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. ANY SUCH CONFLICT, CONTACT OR DAMAGE SHALL BE IMMEDIATELY COMMUNICATED TO THE PUBLIC WORKS DEPARTMENT.
5. CONTRACTOR MAY SECURE PICTURES OF THE CONDITIONS OF THE EXISTING PUBLIC RIGHT-OF-WAY IMPROVEMENTS SUCH AS CURBING, SIDEWALK, LANDSCAPING, ASPHALT SURFACES, ETC. IN THE EVENT THAT PUBLIC RIGHT-OF-WAY IMPROVEMENTS ARE DAMAGED AND NO PICTURES ARE TAKEN, THE PUBLIC WORKS DEPARTMENT WILL ASSUME THE CORRECTION OF THE DAMAGE IS THE RESPONSIBILITY OF CONTRACTOR.
6. NO EXCAVATIONS OR STREET CUTS SHALL BE PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT FIRST OBTAINING A PERMIT FROM THE CITY. SUCH PERMITS SHALL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT.
7. ALL UTILITY LOCATIONS ARE APPROXIMATE. PRIOR TO COMMENCING EXCAVATION OPERATIONS, CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING BLUE STAKES FOR LOCATION OF ALL UTILITIES. 1-800-662-4111. CONTRACTOR SHALL ALSO NOTIFY MAPLETON CITY PUBLIC WORKS DEPARTMENT.
8. IN ORDER TO AVOID UNNECESSARY DAMAGE TO PAVED SURFACES, BACKHOES, OUTRIGGERS, TRACK EQUIPMENT OR ANY OTHER CONSTRUCTION EQUIPMENT THAT MAY PROVE DAMAGING TO ASPHALT SHALL USE RUBBER CLEATS OR PAVING PAD WHEN OPERATING ON OR CROSSING SAID SURFACES.
9. VEGETATION AND OTHER DELETERIOUS MATERIALS SHOULD BE REMOVED FROM THE SITE. STRIPPED SOILS WILL BE UNSUITABLE AS STRUCTURAL FILL BUT MAY BE STOCKPILED FOR LATER USE IN LANDSCAPED AREAS.
10. TOPSOIL, MANMADE FILLS (WHERE ENCOUNTERED) AND SOILS LOOSENED BY CONSTRUCTION ACTIVITIES SHOULD BE REMOVED FROM THE BUILDING PAD, PAVEMENT AREAS, AND CONCRETE FLATWORK AREAS PRIOR TO FOUNDATION EXCAVATION AND PLACEMENT OF SITE GRADING FILLS. FOLLOWING STRIPPING, THE SUBGRADE SHOULD BE PROOF-ROLLED TO A FIRM, NON-YIELDING CONDITION OR 90% OF MAXIMUM DRY DENSITY (ASTM D1557).
11. SOFT AREAS DETECTED DURING PROOF-ROLLING OPERATIONS SHOULD BE REMOVED AND REPLACED WITH STRUCTURAL FILL. IF SOFT SOILS EXTEND MORE THAN 1.5 FEET DEEP, STABILIZATION MAY BE REQUIRED. THE USE OF STABILIZATION SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER AND WOULD LIKELY CONSIST OF OVER-EXCAVATING THE AREA BY AT LEAST 1.5 FEET, PLACING A GEOFABRIC (SUCH AS MIRAFI 600X)) OR GEOGRID (SUCH AS TENSAR BX-1100) AT THE BOTTOM OF THE EXCAVATION OVER WHICH A STABILIZING FILL CONSISTING OF ANGULAR COARSE GRAVEL WITH COBBLES IS PLACED UP TO THE DESIGN SUBGRADE.
12. ALL FINAL CUT AND FILL SLOPES SHOULD BE AT LEAST 2.0:1.0 (HORIZONTAL : VERTICAL) OR RETAINED.
13. SITE DRAINAGE DESIGN SHOULD PROVIDE FOR RAPID REMOVAL OF WATER FROM FOUNDATION SOILS AND PAVEMENT MATERIALS, BOTH DURING AND AFTER CONSTRUCTION. DRAINAGE DESIGN SHOULD PROVIDE FOR INTERCEPTING WATER AND DIRECTING IT AWAY FROM CUT AND FILL SLOPES.
14. ALL CONCRETE SHALL USE TYPE I/II CEMENT.

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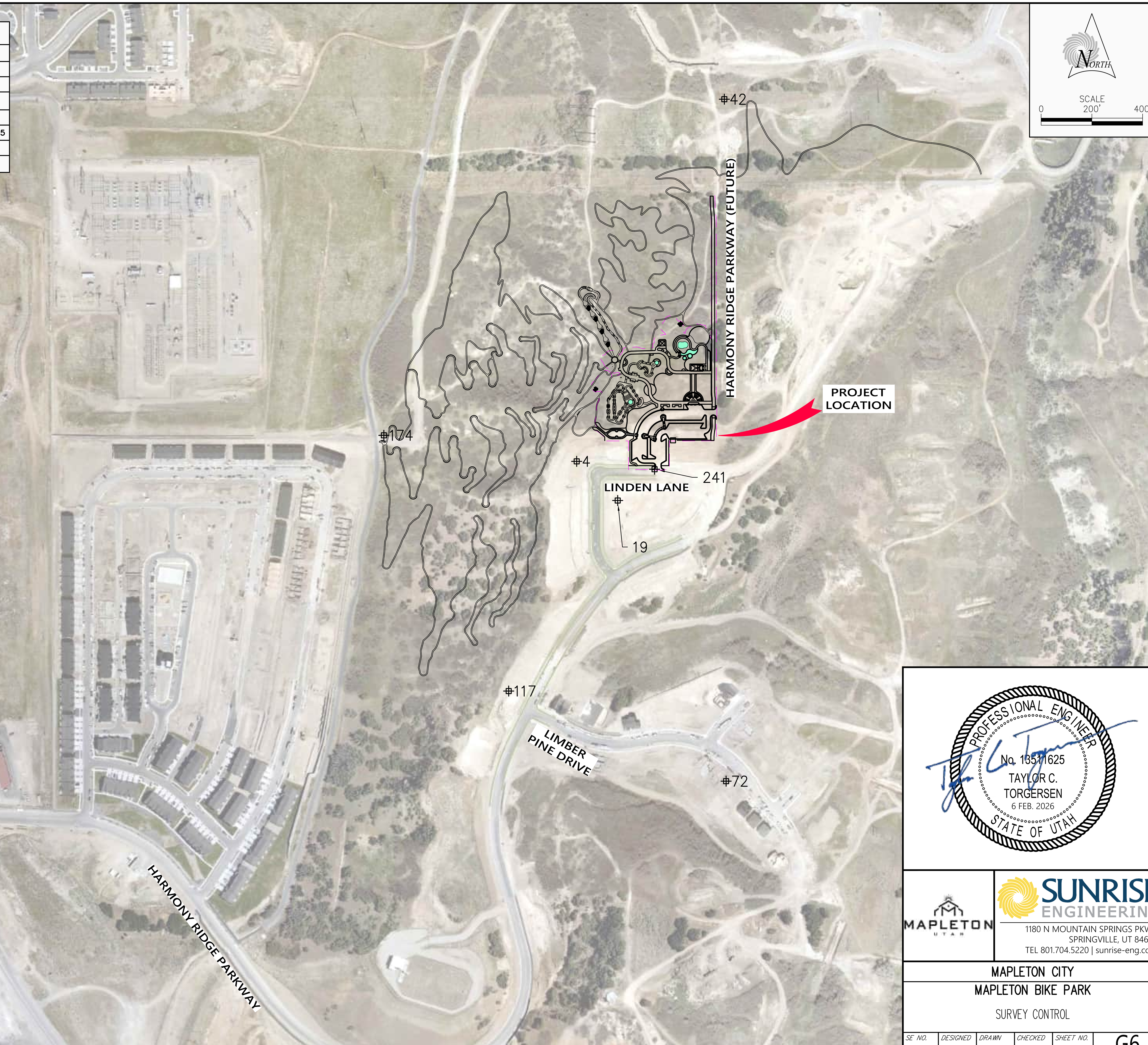
MAPLETON CITY
MAPLETON BIKE PARK
PROJECT NOTES & DESIGN CRITERIA

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	5 of 44	G5

FEBRUARY 2026

Point Table

Point #	Northing	Easting	Elevation	Description
4	7201412.32	1617868.16	5037.65	CPC-FOUND-LEICTRL
19	7201257.86	1618029.72	5043.55	CPC-FOUND-LEICTRL
42	7202840.10	1618450.31	4953.94	CBC 1/4 CORNER 27/26
72	7200151.30	1618457.01	5059.61	C-HUB FOUND
117	7200506.38	1617600.14	5033.68	CAC-THE ENSIGN BICKFORD CO CONTROLLED AREA 11 PLS 172675
174	7201514.70	1617108.12	4833.63	CPC- FOUND LEI
241	7201381.12	1618175.17	5037.93	cmag



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MAPLETON CITY
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SURVEY CONTROL

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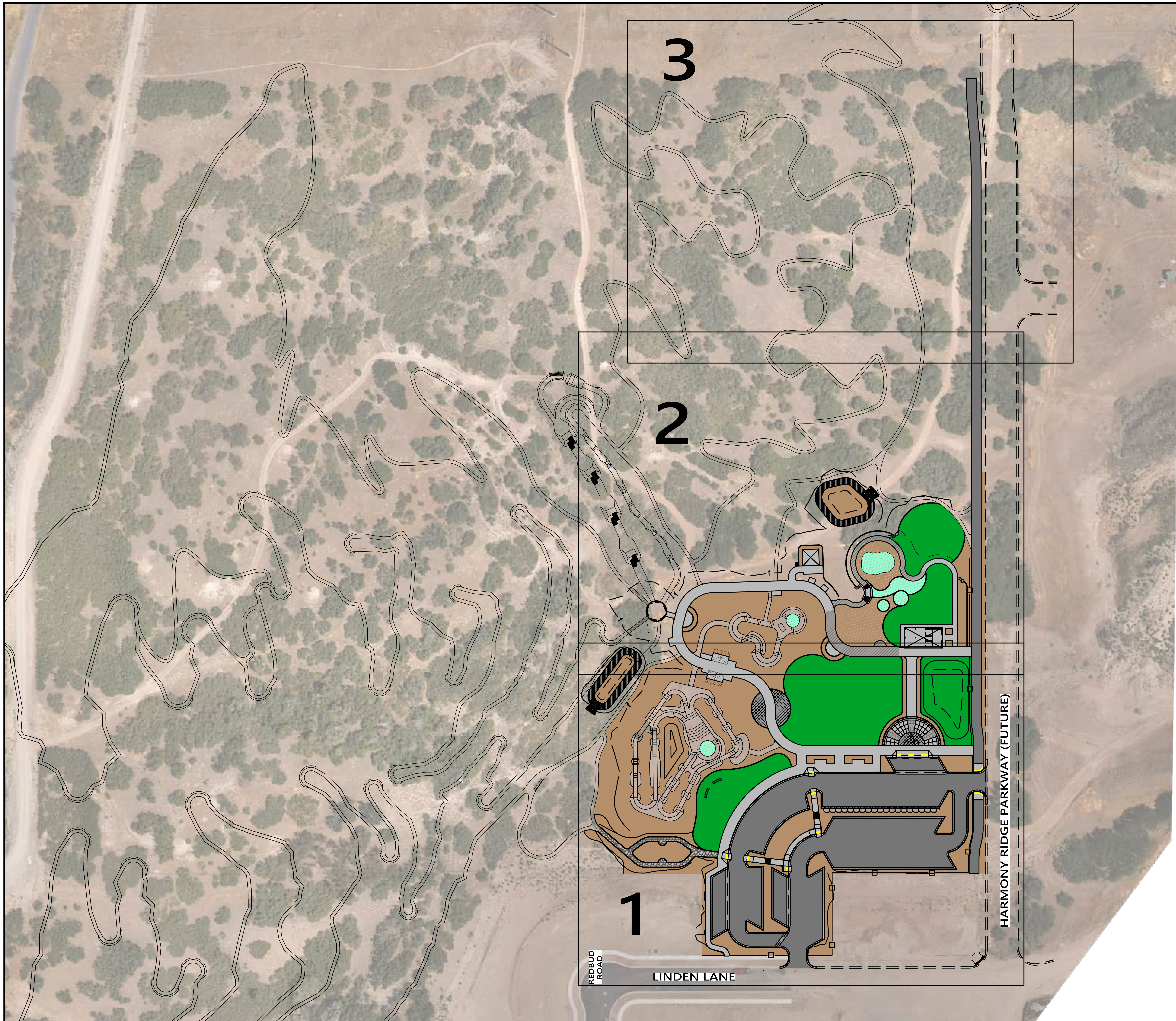

NORTH

SCALE

0 60' 120'

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MAPLETON CITY

MAPLETON BIKE PARK

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SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	7 of 44	G7

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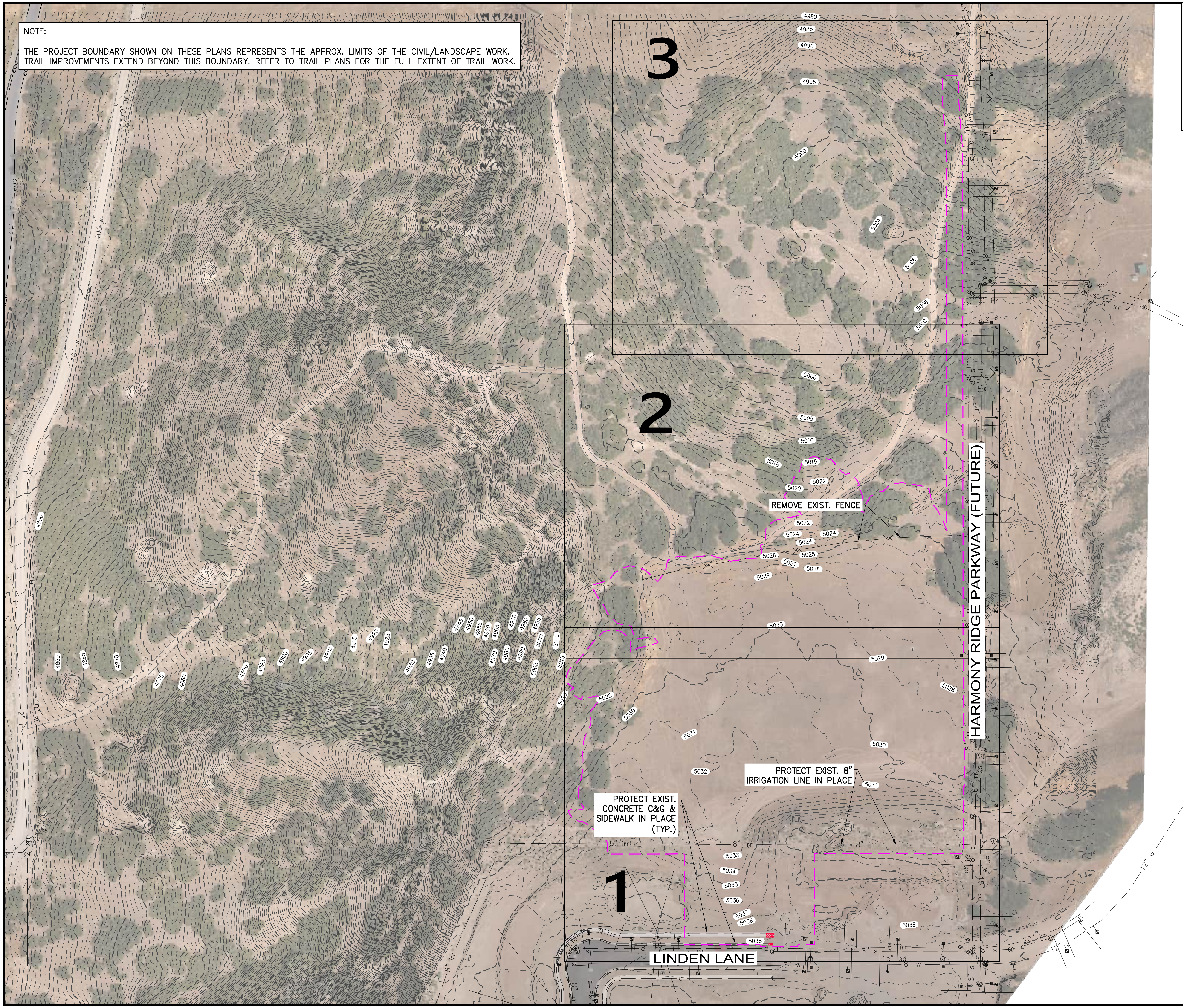

NORTH

SCALE
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GENERAL NOTES

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2. CONTRACTOR SHALL PERFORM ALL CLEARING, GRUBBING, DEMOLITION, REMOVAL, AND DISPOSAL NECESSARY FOR PROPER EXECUTION OF WORK INTENDED BY THE DRAWINGS AND SPECIFICATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING AT OWN EXPENSE ANY STRUCTURES, FACILITIES OR VEGETATION DAMAGED OR DESTROYED WHICH ARE NOT INTENDED TO BE DAMAGED OR DESTROYED AS A RESULT OF WORK. ALL SUCH DAMAGED OR DESTROYED ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.
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5. CONTRACTOR SHALL INCORPORATE MEANS NECESSARY TO PRESERVE EXISTING PAVED SURFACES INCLUDING ROADWAYS & DRIVEWAYS FROM DAMAGE BY HEAVY CONSTRUCTION EQUIPMENT DURING THE PROJECT.
6. CONCRETE TO BE REMOVED SHALL BE REMOVED TO NEAREST WHOLE PANEL OR JOINT.
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DEMOLITION PLAN NOTES

1 CLEARING, GRUBBING, AND DEMOLITION

LEGEND

APPROX. CIVIL/LANDSCAPE PROJECT EXTENTS

REMOVE CONCRETE C&G/SIDEWALK REQ'D

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MAPLETON CITY

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DEMOLITION PLAN

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S16247	KRM	KRM	TCT	8 of 44	DPIDX

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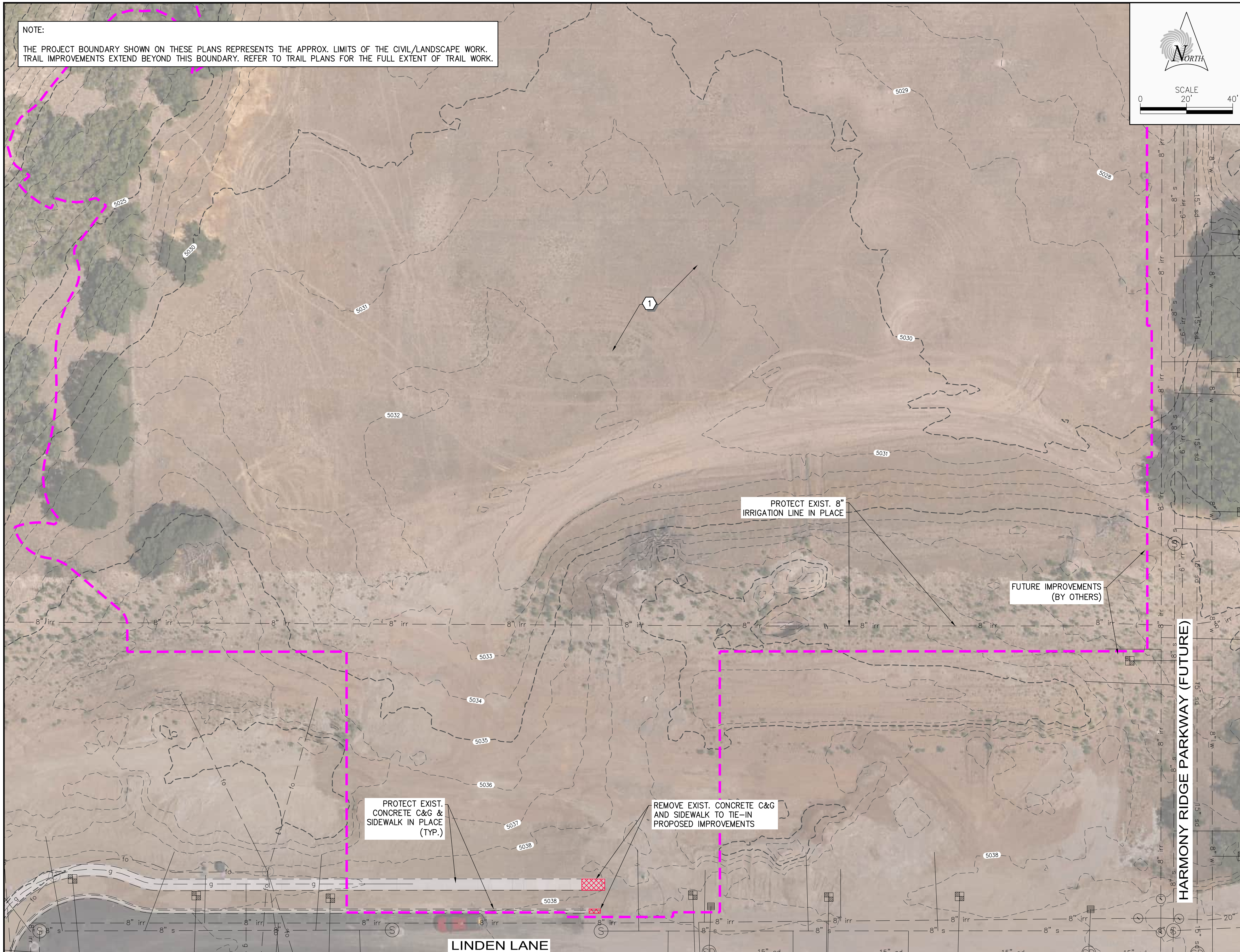

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MAPLETON CITY
MAPLETON BIKE PARK
DEMOLITION PLAN

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S16247	KRM	KRM	TCT	9 of 44	DP1

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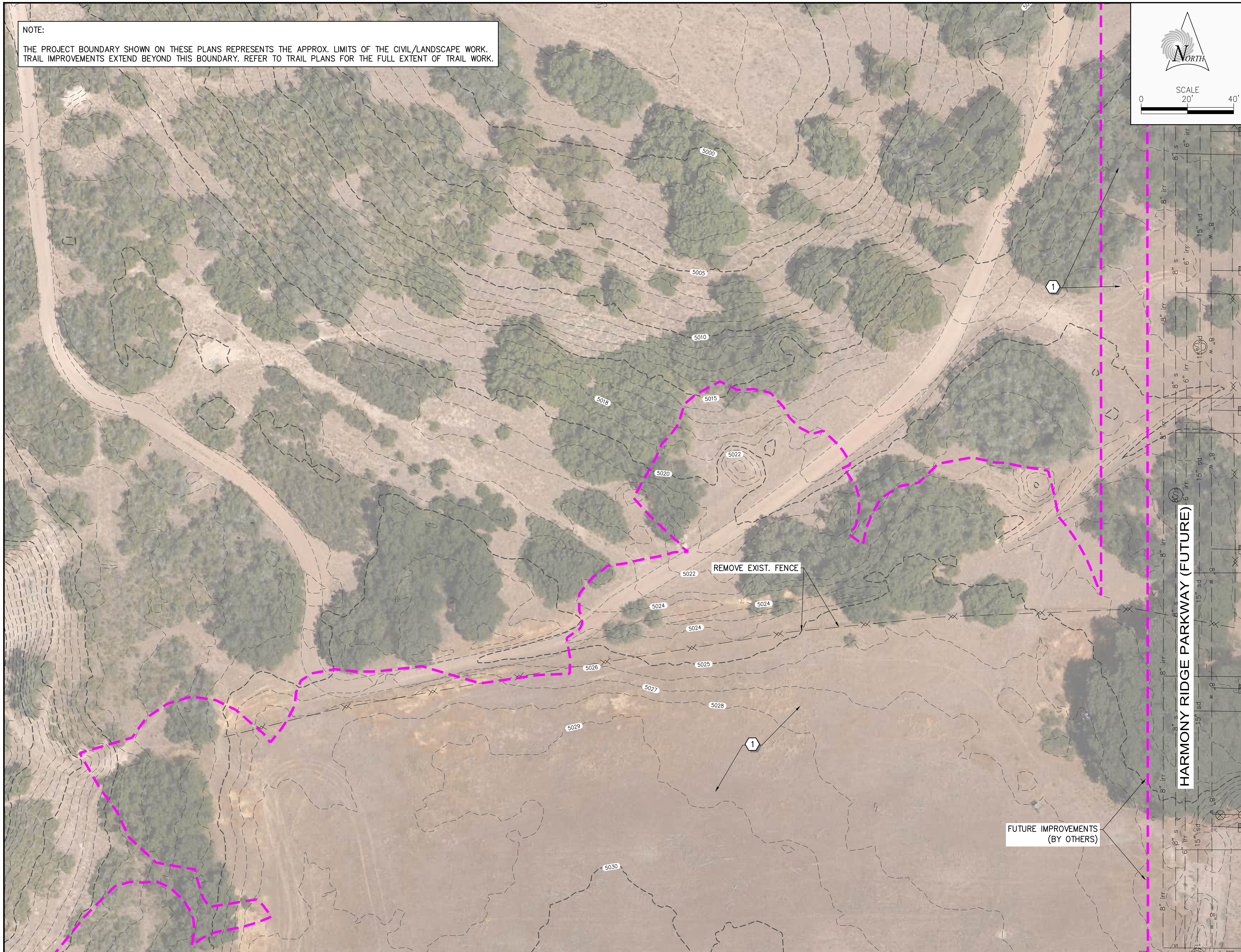

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LEGEND

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DEMOLITION PLAN

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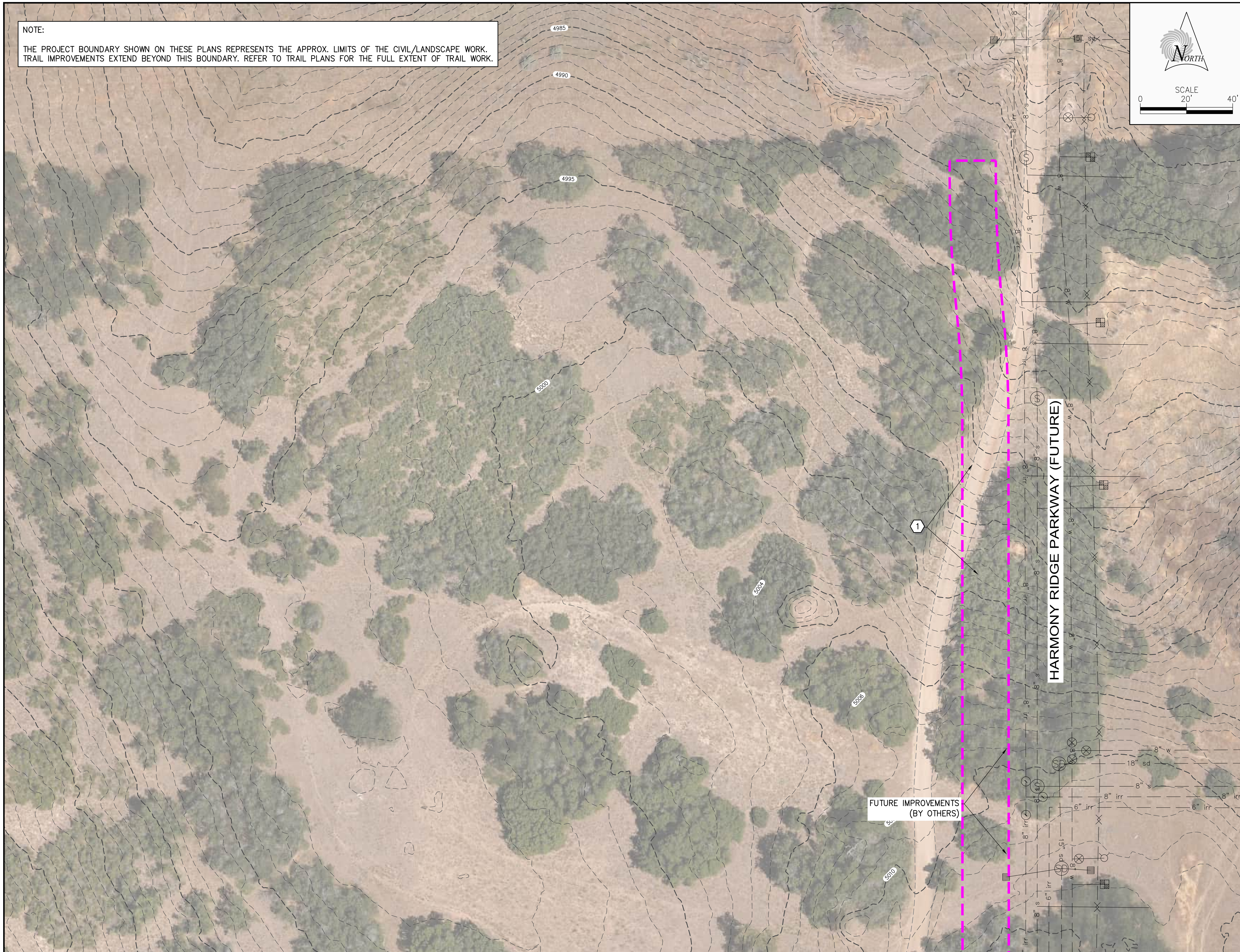

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DEMOLITION PLAN NOTES

1 CLEARING, GRUBBING, AND DEMOLITION

LEGEND

APPROX. CIVIL/LANDSCAPE PROJECT EXTENTS

REMOVE CONCRETE C&G/SIDEWALK REQ'D

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MAPLETON CITY
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DEMOLITION PLAN

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NOTE:

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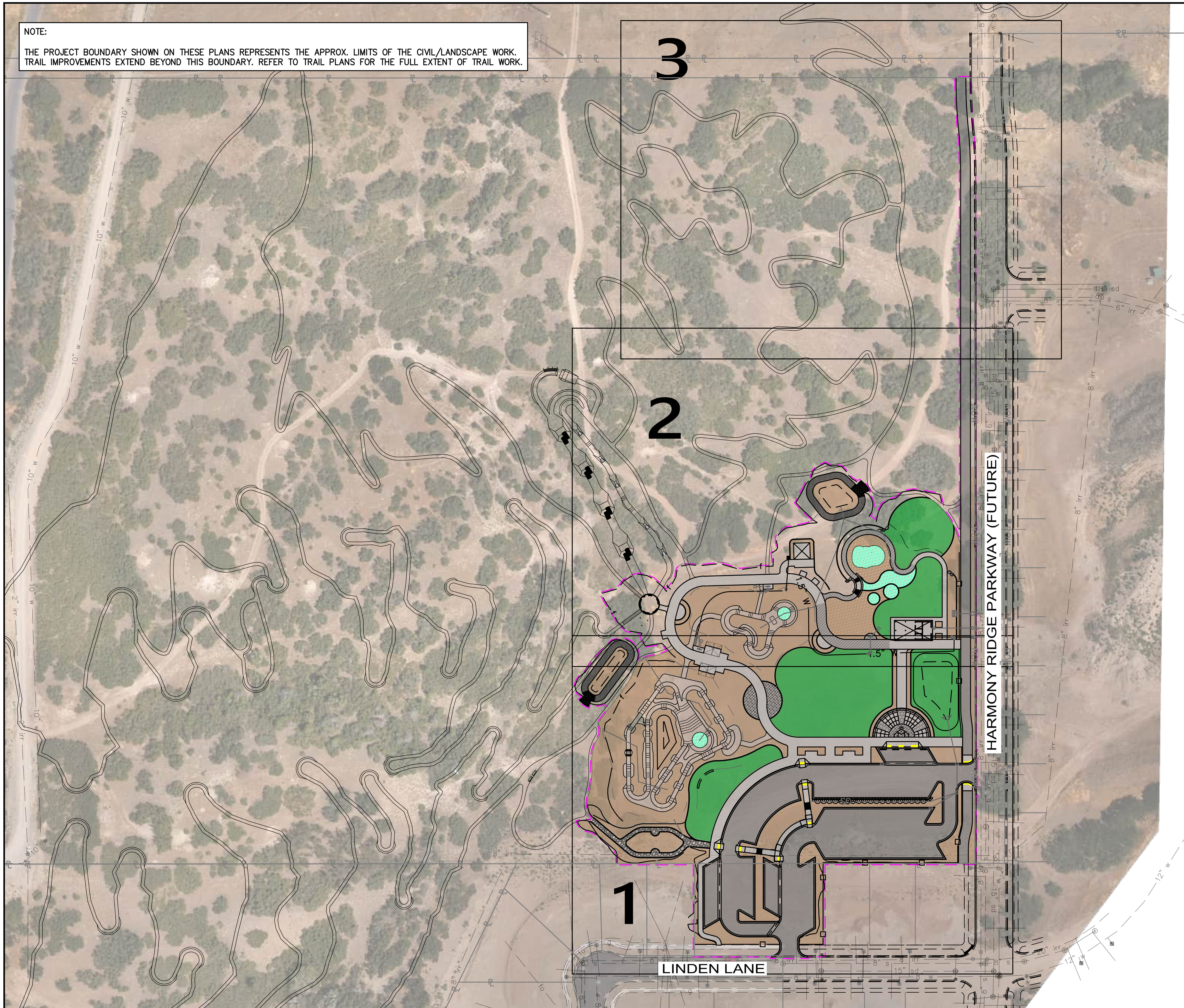

NORTH

SCALE
0 60' 120'

GENERAL NOTES

1. CONTRACTOR SHALL RAISE OR LOWER ALL EXISTING IRRIGATION, ELECTRICAL, OR OTHER UTILITY BOXES AS NEEDED TO MATCH ADJUSTED GRADES.

SITE PLAN NOTES

1. TYPE A – 24" C&G PER D/D1
2. CONCRETE FLATWORK PER E/D1
3. ASPHALT TRAIL PER E/D4
4. ASPHALT PARKING LOT PER A/D4
5. 4' WATERWAY PER F/D1
6. CORNER CURB CUT ASSEMBLY PER A/D2
7. MID-BLOCK CURB CUT ASSEMBLY PER B/D2
8. UBC SURFACING (6" THICK)
9. PARKING LOT ROCKERY WALL (2' HEIGHT) PER I/D4
10. STAIR HANDRAIL PER B/D5
11. CONCRETE STAIRS PER A/D5
12. CONCRETE WHEEL STOP PER H/D4

LEGEND

- NATURAL TURF PER LM SHEETS
- LANDSCAPE AREA PER LM SHEETS
- ASPHALT PAVEMENT
- CONCRETE FLATWORK
- COLORED CONCRETE FLATWORK
- THICKENED EDGE CONCRETE FLATWORK PER LM SHEETS
- STONE DUST SURFACING PER LM SHEETS
- PLAYGROUND SURFACING PER LM SHEETS
- APPROX. CIVIL/LANDSCAPE PROJECT EXTENTS

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MAPLETON CITY
MAPLETON BIKE PARK
SITE PLAN

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S16247	KRM	KRM	TCT	12 of 44	SPIDX

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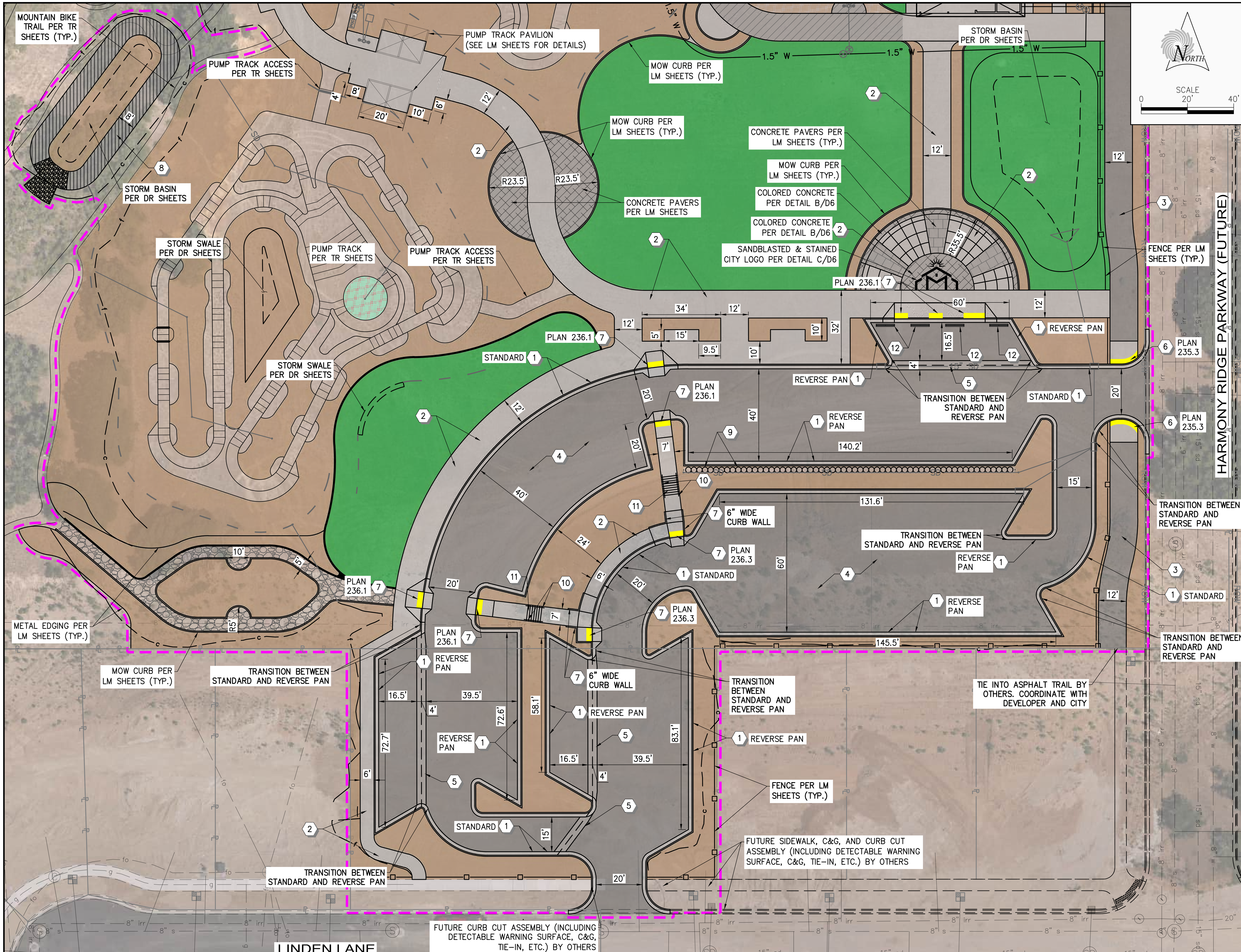

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LEGEND

- NATURAL TURF PER LM SHEETS
- LANDSCAPE AREA PER LM SHEETS
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- CONCRETE FLATWORK
- COLORED CONCRETE FLATWORK
- THICKENED EDGE CONCRETE FLATWORK PER LM SHEETS
- STONE DUST SURFACING PER LM SHEETS
- PLAYGROUND SURFACING PER LM SHEETS
- APPROX. CIVIL/LANDSCAPE PROJECT EXTENTS

PROFESSIONAL ENGINEER No. 13511625 TAYLOR C. TORGERSEN 6 FEB. 2026 STATE OF UTAH

MAPLETON UTAH

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MAPLETON CITY
MAPLETON BIKE PARK
SITE PLAN

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	13 of 44	SP1

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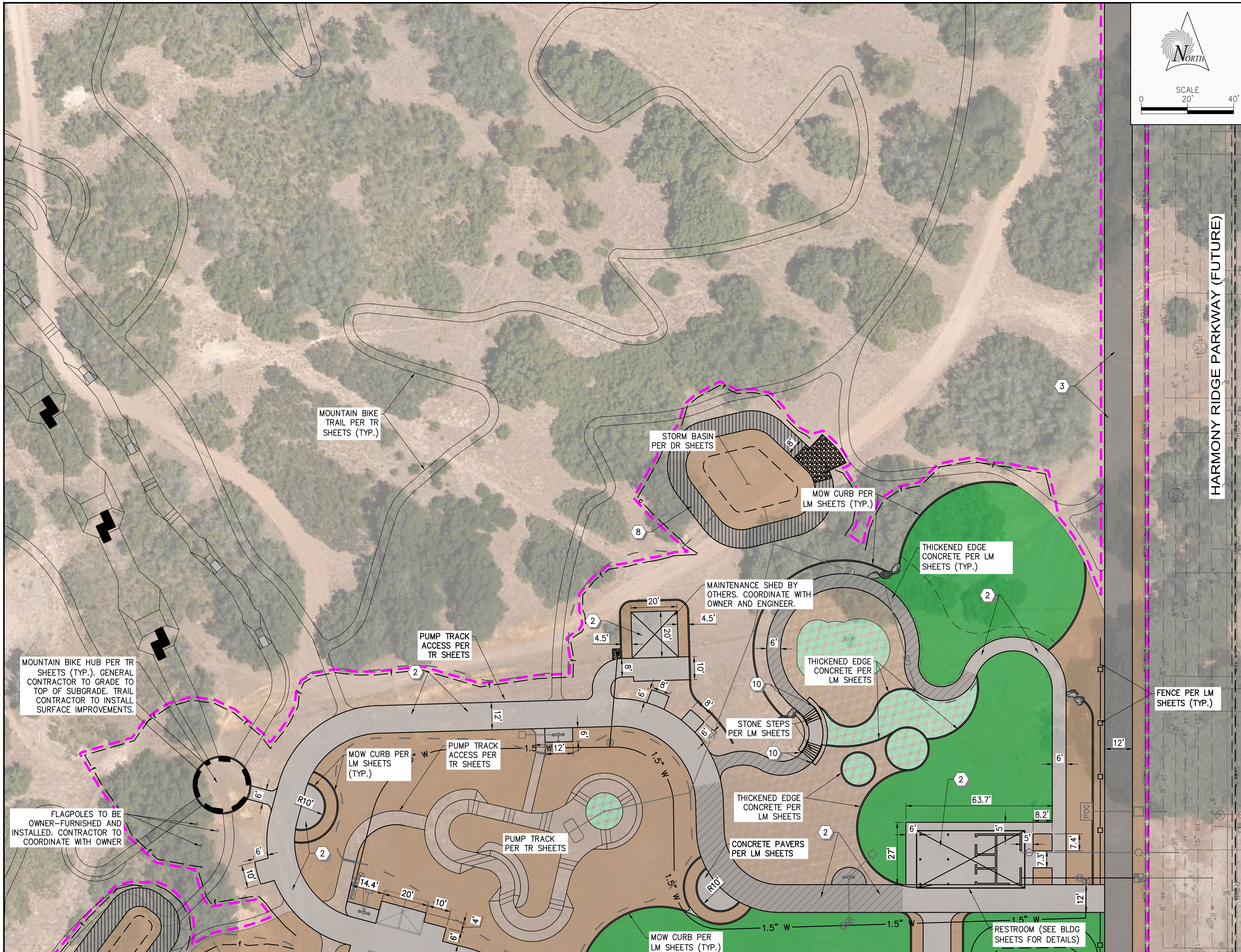

GENERAL NOTES

1. CONTRACTOR SHALL RAISE OR LOWER ALL EXISTING IRRIGATION, ELECTRICAL, OR OTHER UTILITY BOXES AS NEEDED TO MATCH ADJUSTED GRADES.

SITE PLAN NOTES

1. TYPE A – 24" C&G PER D/D1
2. CONCRETE FLATWORK PER E/D1
3. ASPHALT TRAIL PER E/D4
4. ASPHALT PARKING LOT PER A/D4
5. 4' WATERWAY PER F/D1
6. CORNER CURB CUT ASSEMBLY PER A/D2
7. MID-BLOCK CURB CUT ASSEMBLY PER B/D2
8. UBC SURFACING (6" THICK)
9. PARKING LOT ROCKERY WALL (2' HEIGHT) PER I/D4
10. STAIR HANDRAIL PER B/D5
11. CONCRETE STAIRS PER A/D5
12. CONCRETE WHEEL STOP PER H/D4

LEGEND

- NATURAL TURF PER LM SHEETS
- LANDSCAPE AREA PER LM SHEETS
- ASPHALT PAVEMENT
- CONCRETE FLATWORK
- COLORED CONCRETE FLATWORK
- THICKENED EDGE CONCRETE FLATWORK PER LM SHEETS
- STONE DUST SURFACING PER LM SHEETS
- PLAYGROUND SURFACING PER LM SHEETS
- APPROX. CIVIL/LANDSCAPE PROJECT EXTENTS

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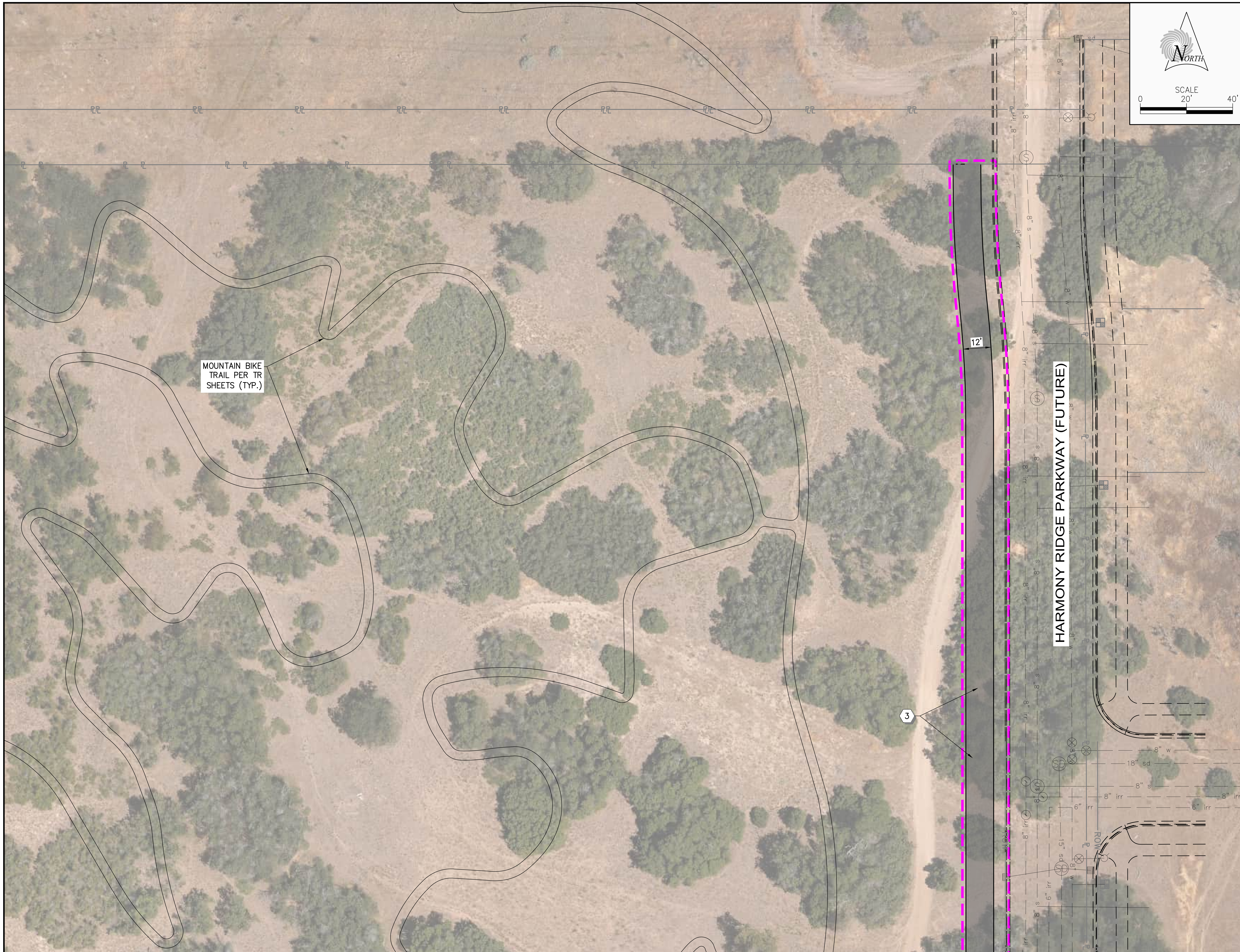

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SITE PLAN NOTES

1 TYPE A – 24" C&G PER D/D1
2 CONCRETE FLATWORK PER E/D1
3 ASPHALT TRAIL PER E/D4
4 ASPHALT PARKING LOT PER A/D4
5 4' WATERWAY PER F/D1
6 CORNER CURB CUT ASSEMBLY PER A/D2
7 MID-BLOCK CURB CUT ASSEMBLY PER B/D2
8 UBC SURFACING (6" THICK)
9 PARKING LOT ROCKERY WALL (2' HEIGHT) PER I/D4
10 STAIR HANDRAIL PER B/D5
11 CONCRETE STAIRS PER A/D5
12 CONCRETE WHEEL STOP PER H/D4

LEGEND

NATURAL TURF PER LM SHEETS
LANDSCAPE AREA PER LM SHEETS
ASPHALT PAVEMENT
CONCRETE FLATWORK
COLORED CONCRETE FLATWORK
THICKENED EDGE CONCRETE FLATWORK PER LM SHEETS
STONE DUST SURFACING PER LM SHEETS
PLAYGROUND SURFACING PER LM SHEETS
APPROX. CIVIL/LANDSCAPE PROJECT EXTENTS

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MAPLETON CITY
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SITE PLAN

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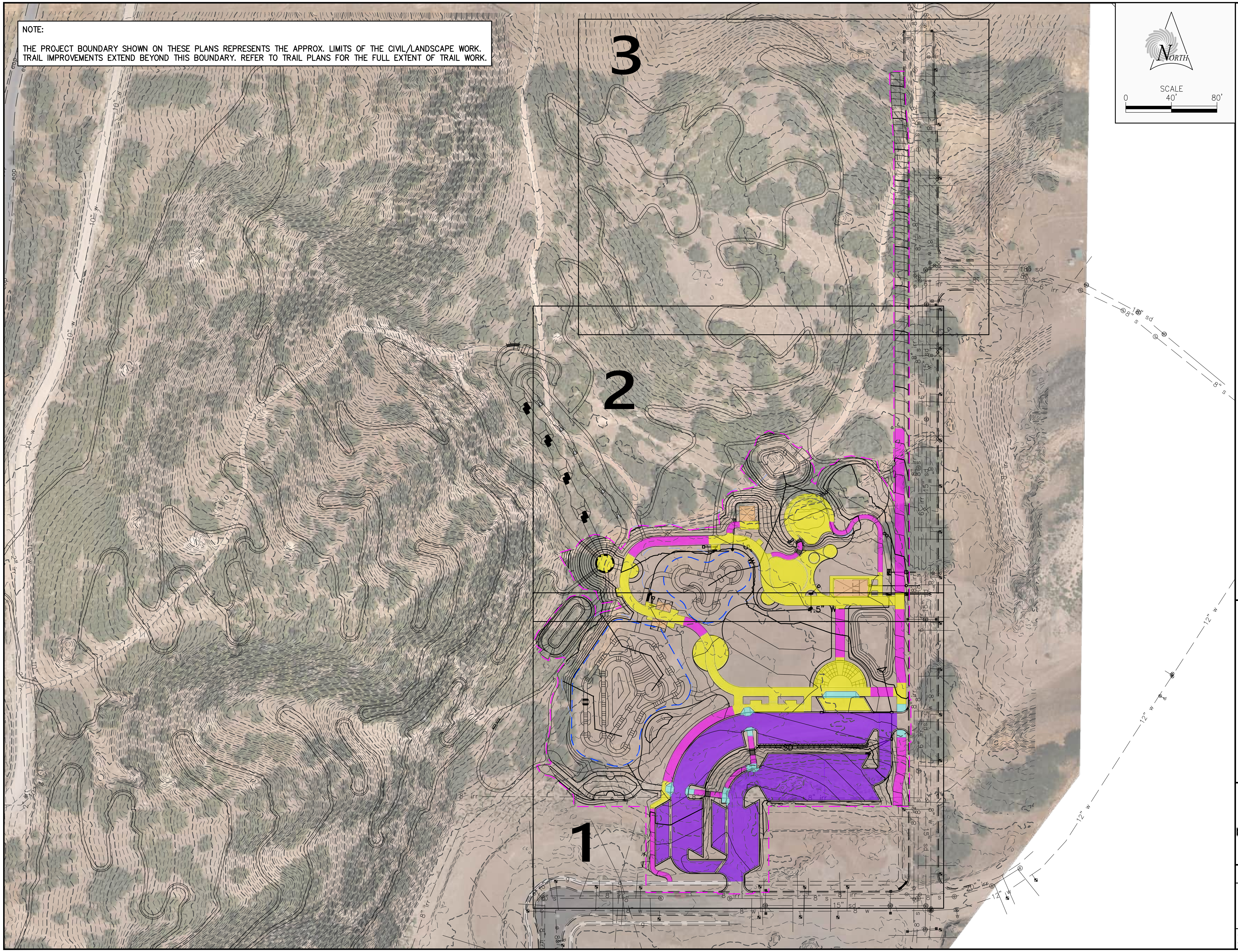

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4. SOFT AREAS DETECTED DURING PROOF-ROLLING OPERATIONS SHOULD BE REMOVED AND REPLACED WITH STRUCTURAL FILL.
5. IF SOFT SOILS EXTENDED MORE THAN 1.5 FEET DEEP ARE ENCOUNTERED, STOP WORK AND CONTACT OWNER AND ENGINEER.

LEGEND

- 2% MAX IN ANY DIRECTION
- 5% MAX. RUNNING SLOPE 2% MAX CROSS SLOPE
- 0.5% IN ANY DIRECTION
- 5% MAX IN ANY DIRECTION
- CURB CUT ASSEMBLY SLOPE REQUIREMENTS PER APWA STD DWGS
- APPROX. CIVIL/LANDSCAPE PROJECT EXTENTS
- APPROX. PUMP TRACK LIMITS

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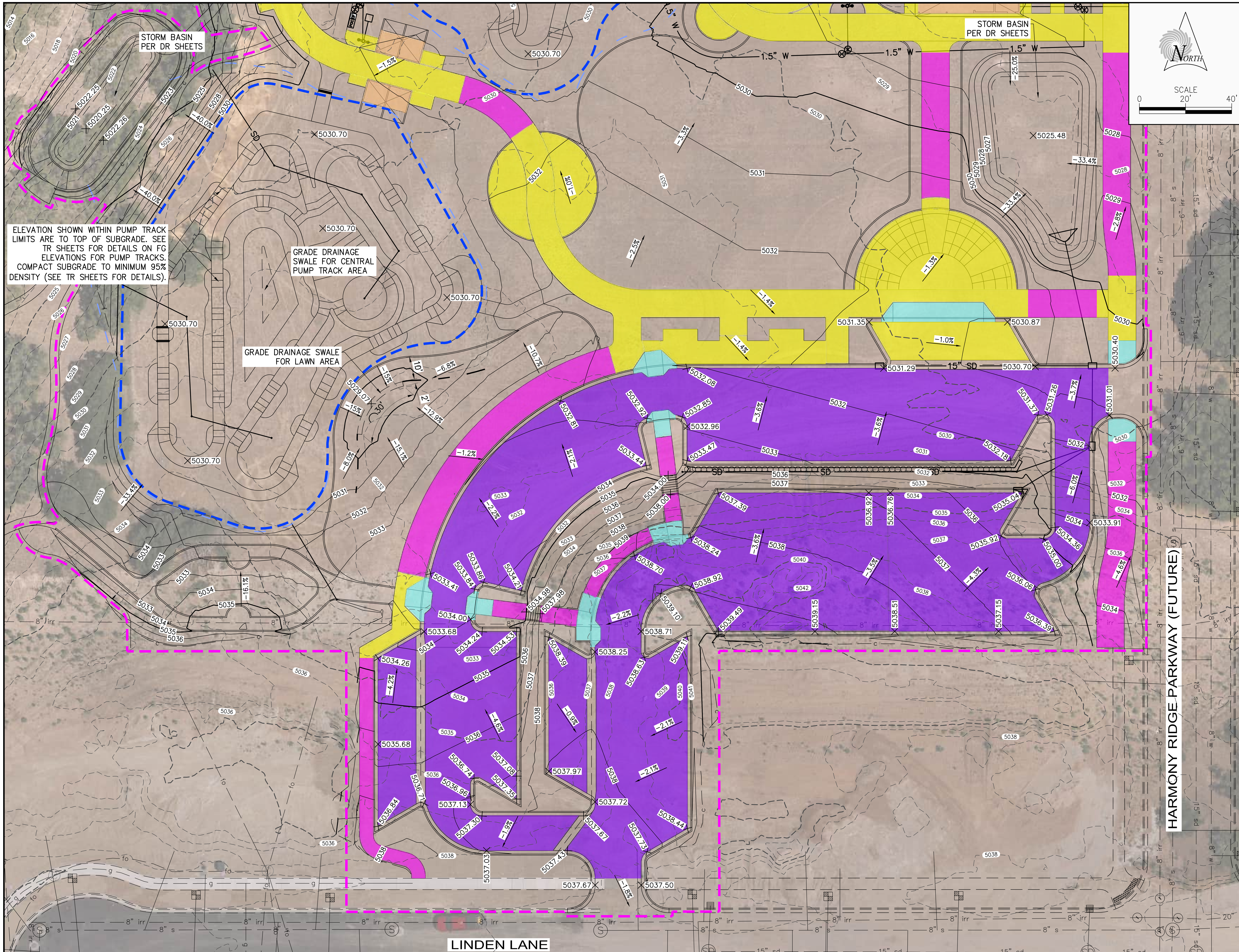

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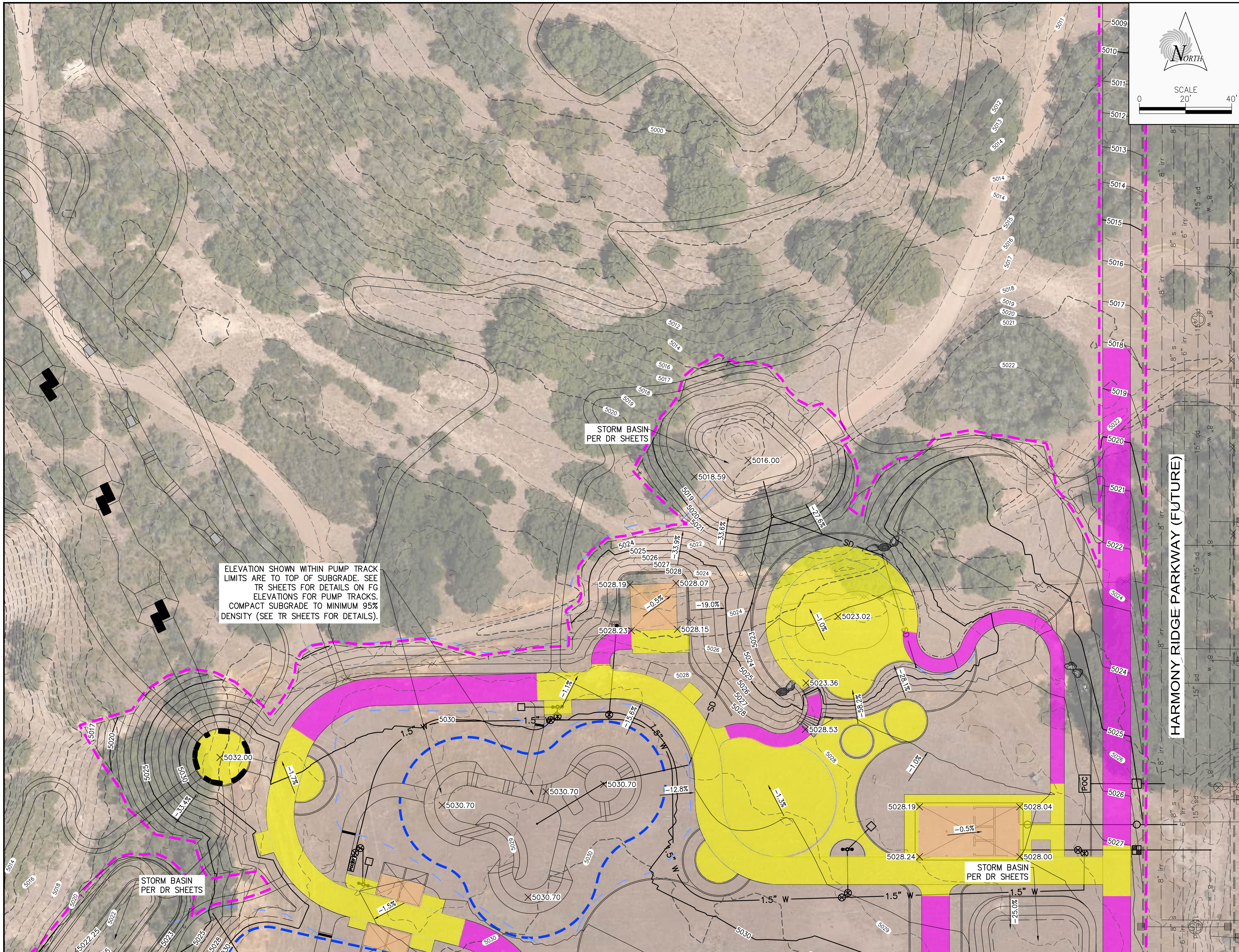
MAPLETON CITY
MAPLETON BIKE PARK
GRADING PLAN

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	17 of 44	GP1



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MAPLETON CITY
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GRADING PLAN

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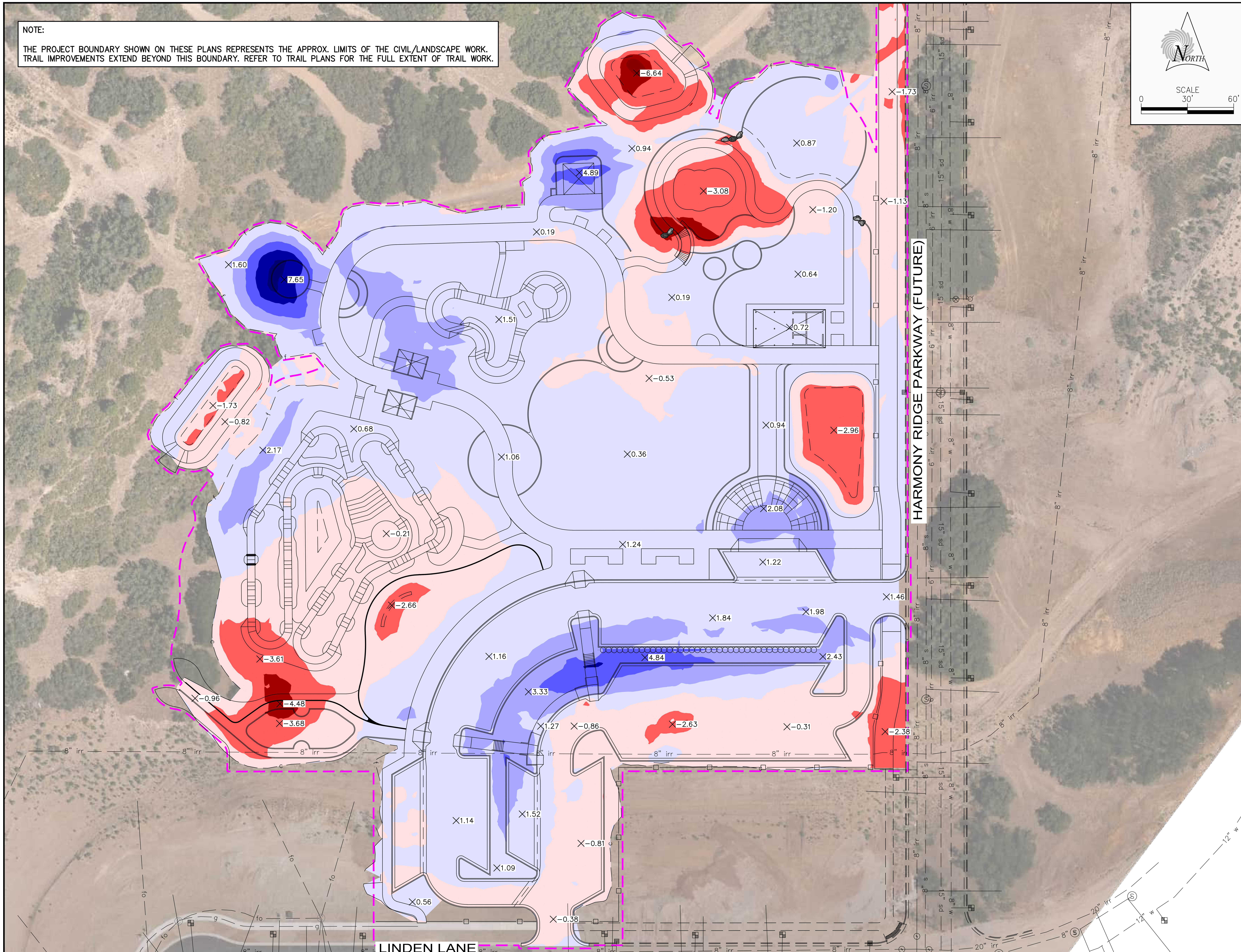

GENERAL NOTES

1. CUT/FILL BANDS AND DEPTHS SHOWN IN THE CUT/FILL GRADING SHEETS GIVE THE DIFFERENCE IN ELEVATION FROM EXISTING GROUND TO FINISHED GROUND ELEVATIONS. CONTRACTOR SHALL MAKE APPROPRIATE MEASUREMENTS AND CALCULATIONS OF SUBGRADE ELEMENTS AND PLAN IN THEIR BID TO COMPLETE THE WORK ACCORDINGLY.
2. CUT/FILL POINT DEPTHS SHOWN IN THE CUT/FILL GRADING SHEETS GIVE THE DIFFERENCE IN ELEVATION FROM EXISTING GROUND TO FINISHED GROUND ELEVATIONS AT THE POINT'S LOCATION. CUT/FILL DEPTHS THROUGHOUT THE CUT/FILL BAND WILL VARY.
3. CONTRACTOR SHALL ENSURE THAT LOCAL, STATE, AND FEDERAL ADA REQUIREMENTS ARE MET ON THE SITE.

CUT/FILL DEPTH LEGEND (EG TO FG)

BAND	CUT/FILL RANGE (FT)	AREA (SQ. FT)	COLOR
1	-8.0 TO -6.0	101.0	
2	-6.0 TO -4.0	1201.6	
3	-4.0 TO -2.0	15103.4	
4	-2.0 TO 0.0	52561.1	
5	0.0 TO 2.0	100833.8	
6	2.0 TO 4.0	24238.3	
7	4.0 TO 6.0	2964.0	
8	6.0 TO 8.0	692.8	
9	8.0 TO 10.0	151.8	

LEGEND

APPROX. CIVIL/LANDSCAPE PROJECT EXTENTS

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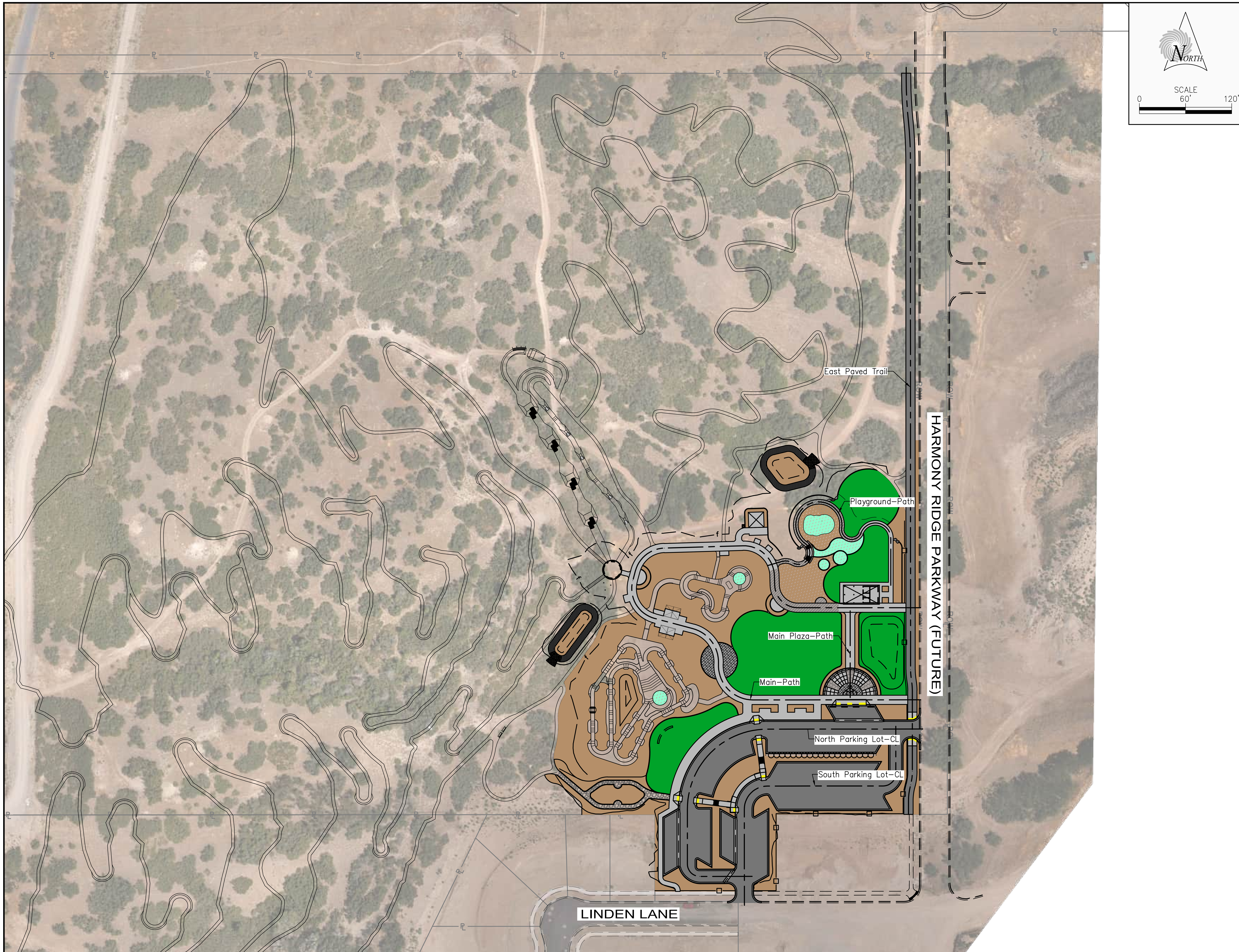

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3. VARY GRADE TO MATCH ADJACENT PROPOSED FEATURES.

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MAPLETON CITY
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ALIGNMENT & PROFILE OVERVIEW

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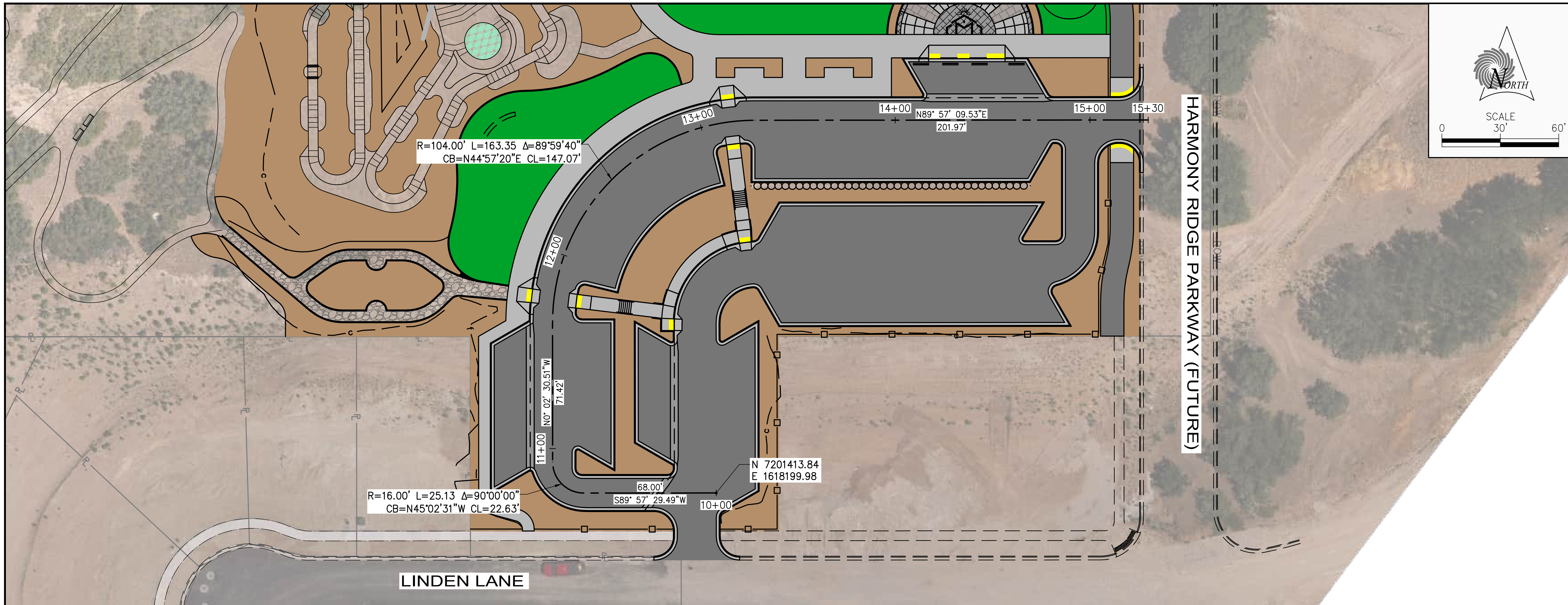

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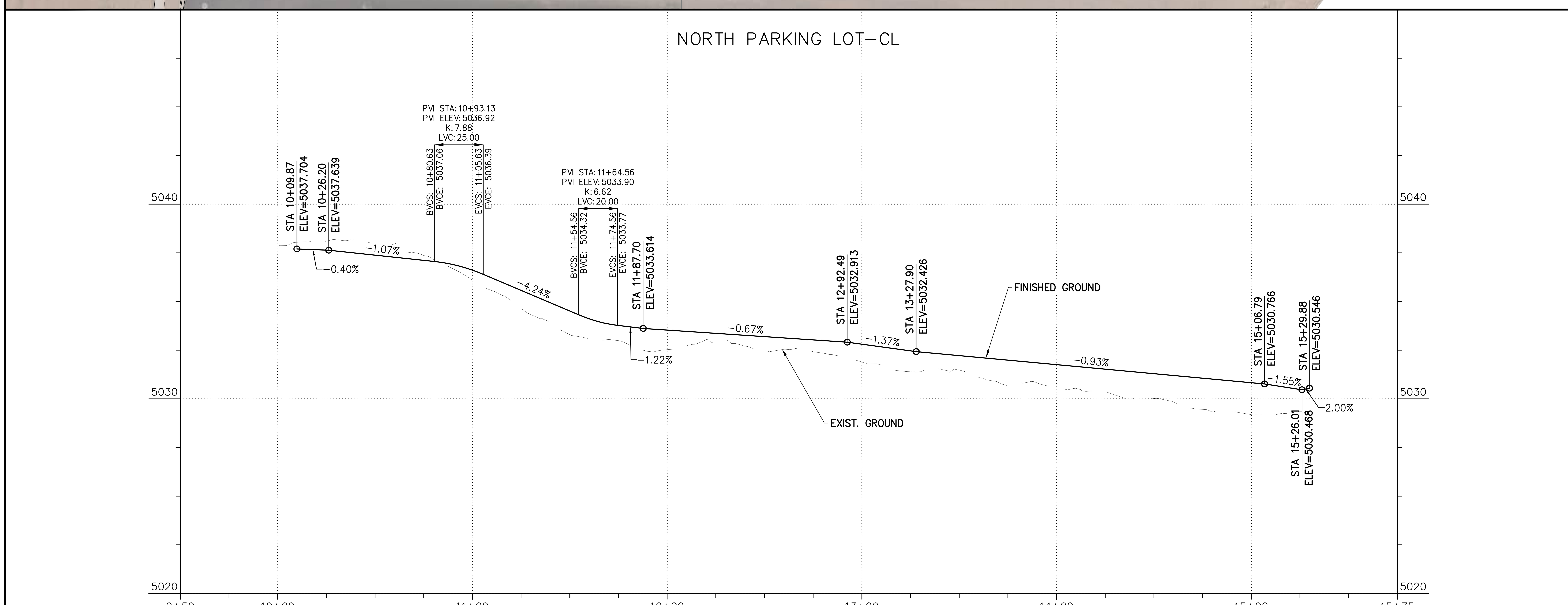

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MAPLETON CITY

MAPLETON BIKE PARK

ALIGNMENT & PROFILE - NORTH PARKING LOT-CL

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S16247	KRM	KRM	TCT	22 of 44	AP1

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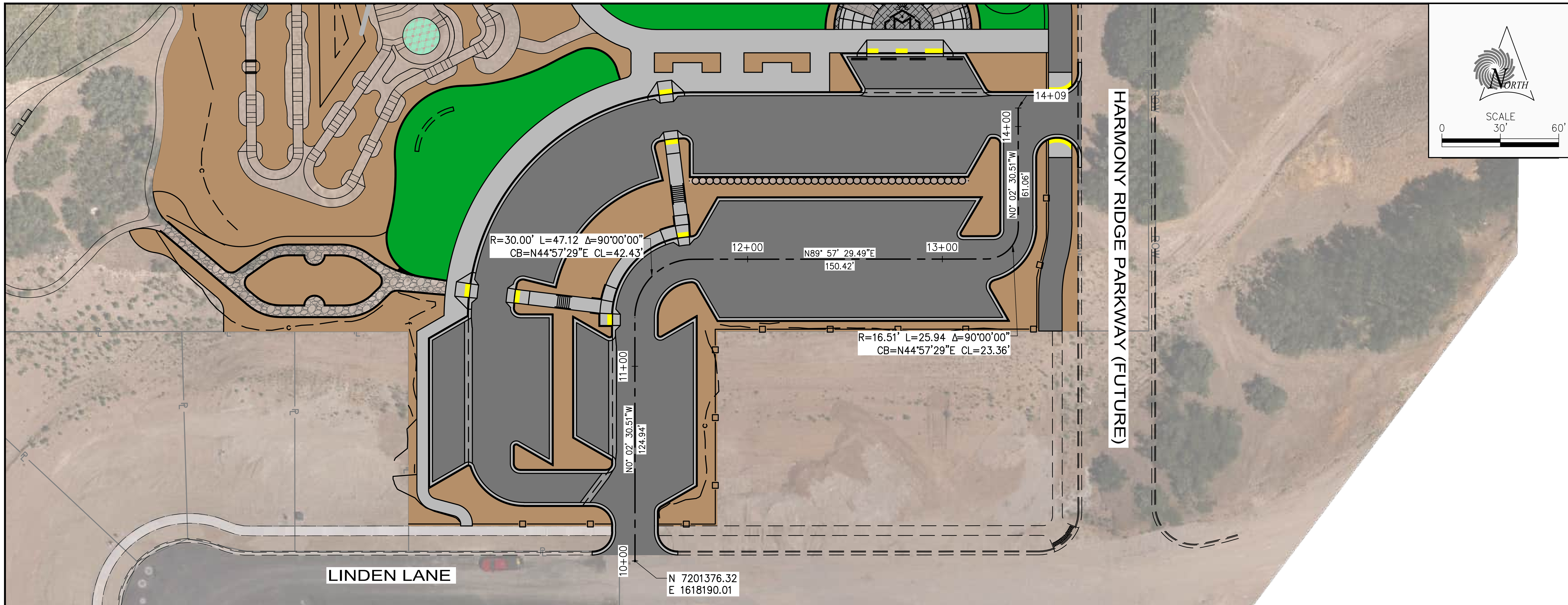

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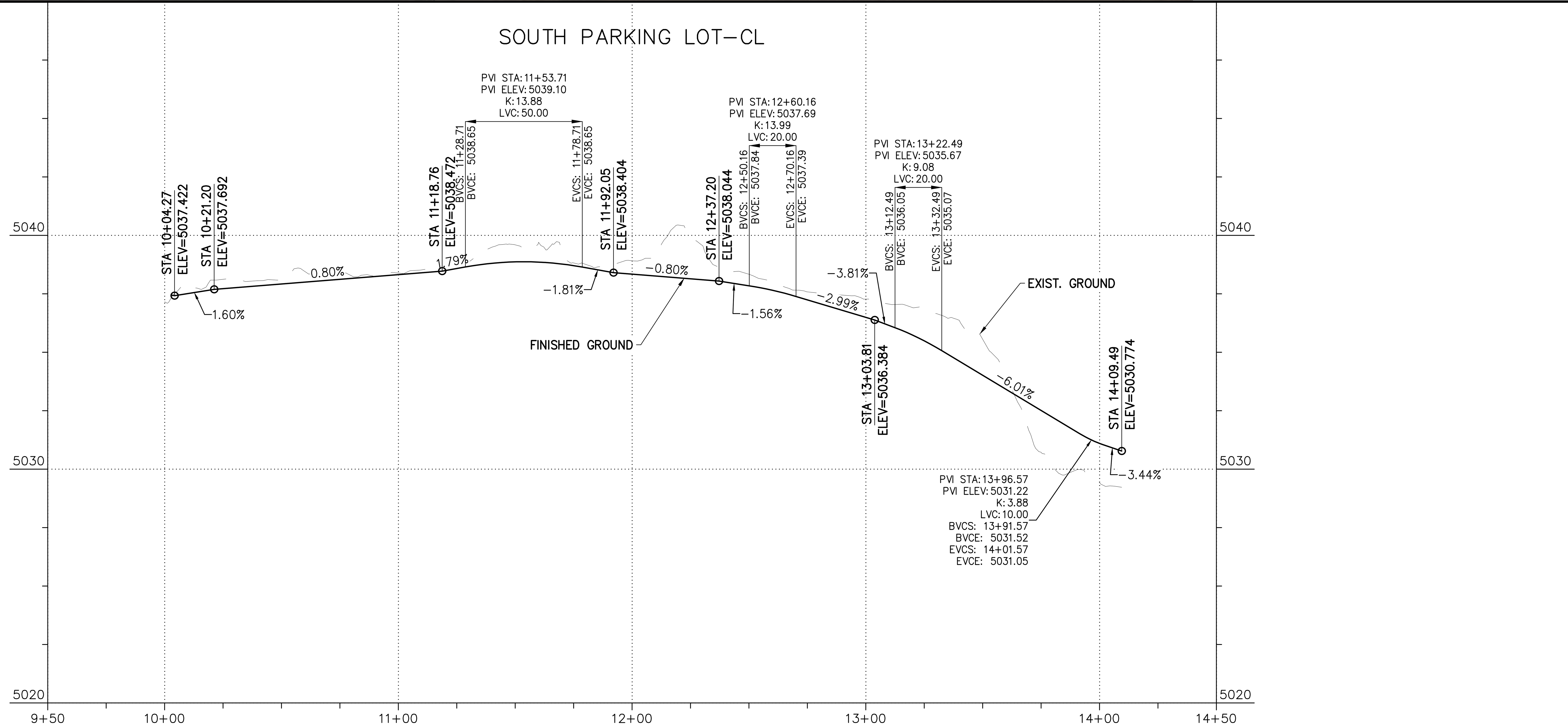

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ALIGNMENT & PROFILE – SOUTH PARKING LOT–CL

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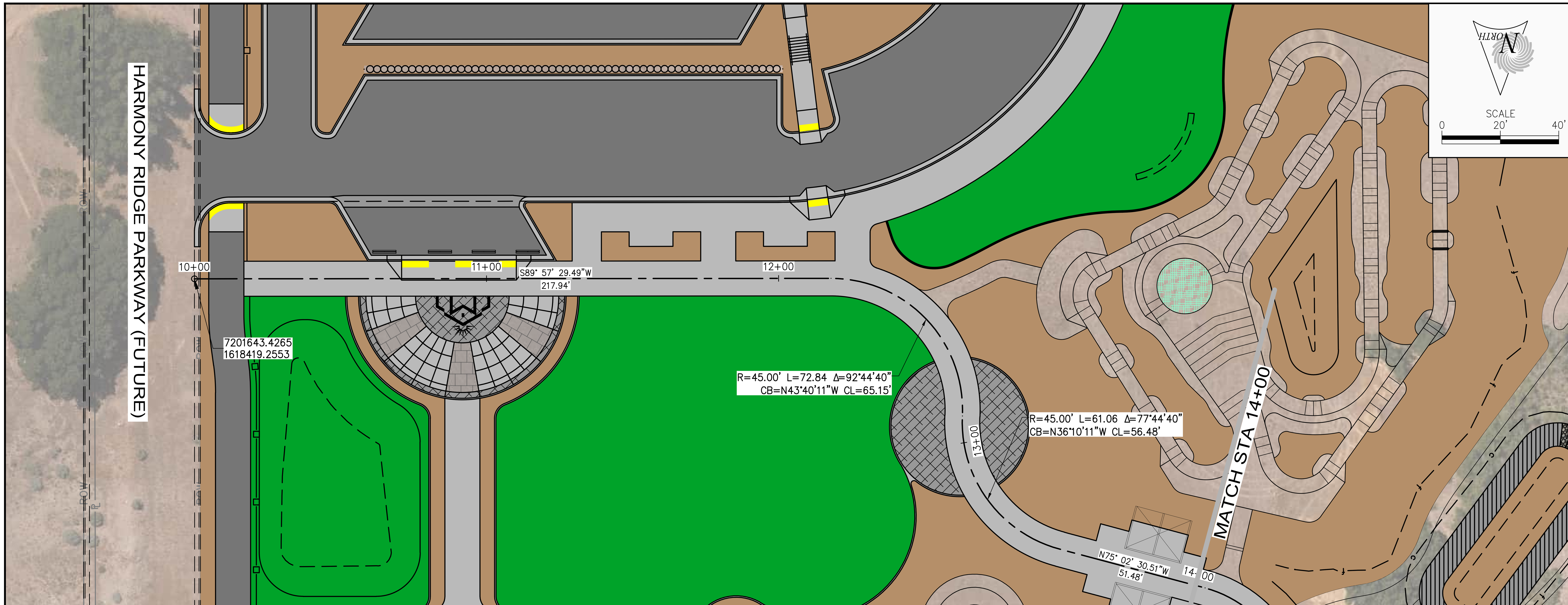

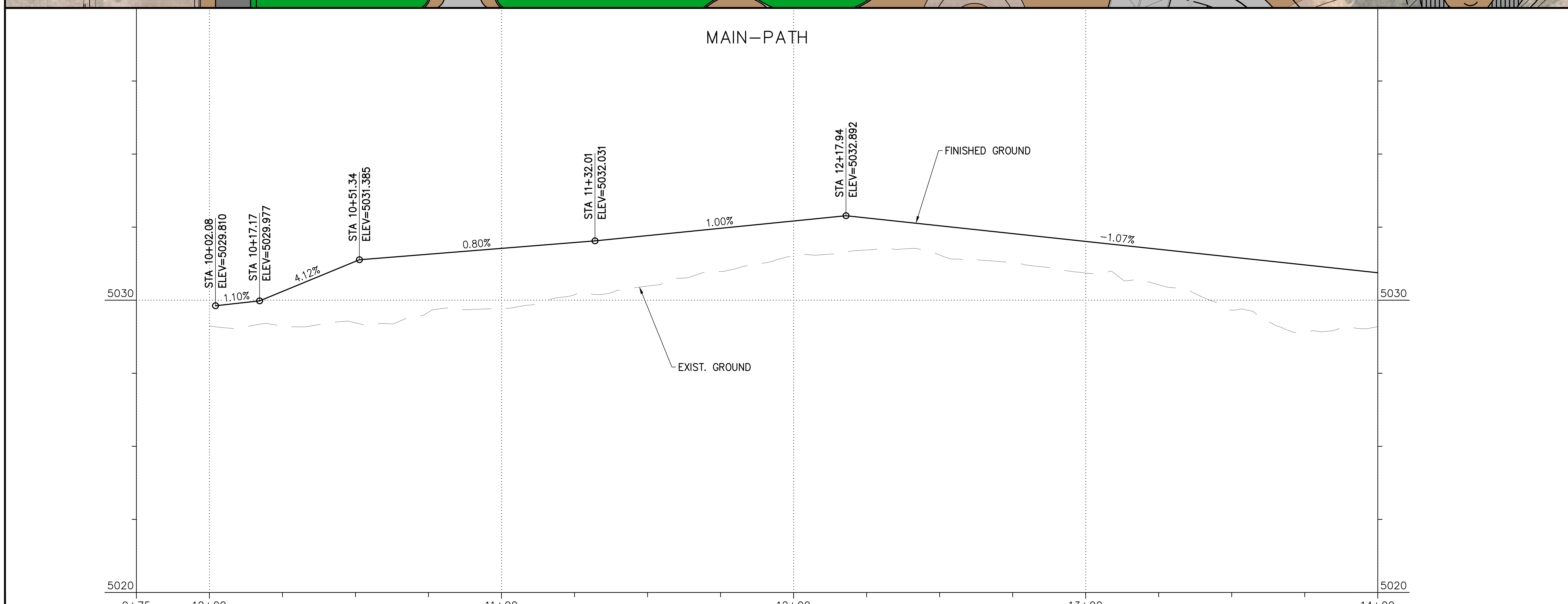

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ALIGNMENT & PROFILE - MAIN-PATH

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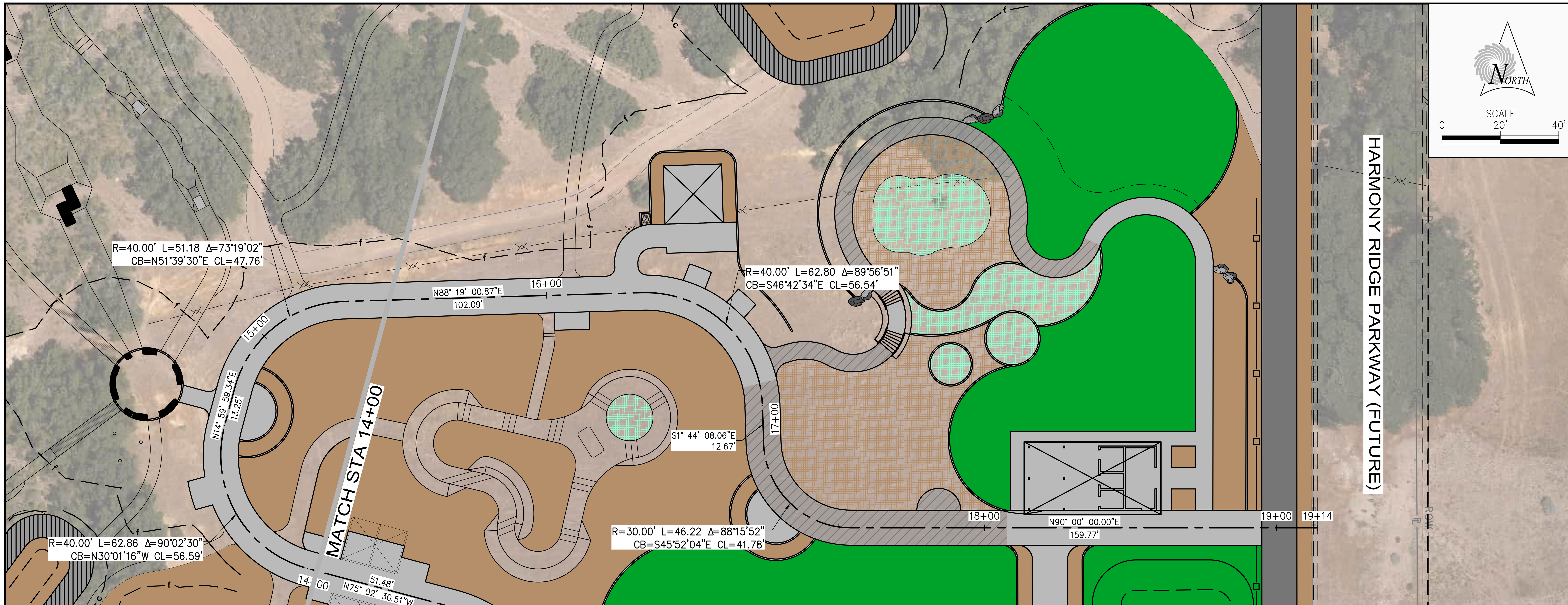

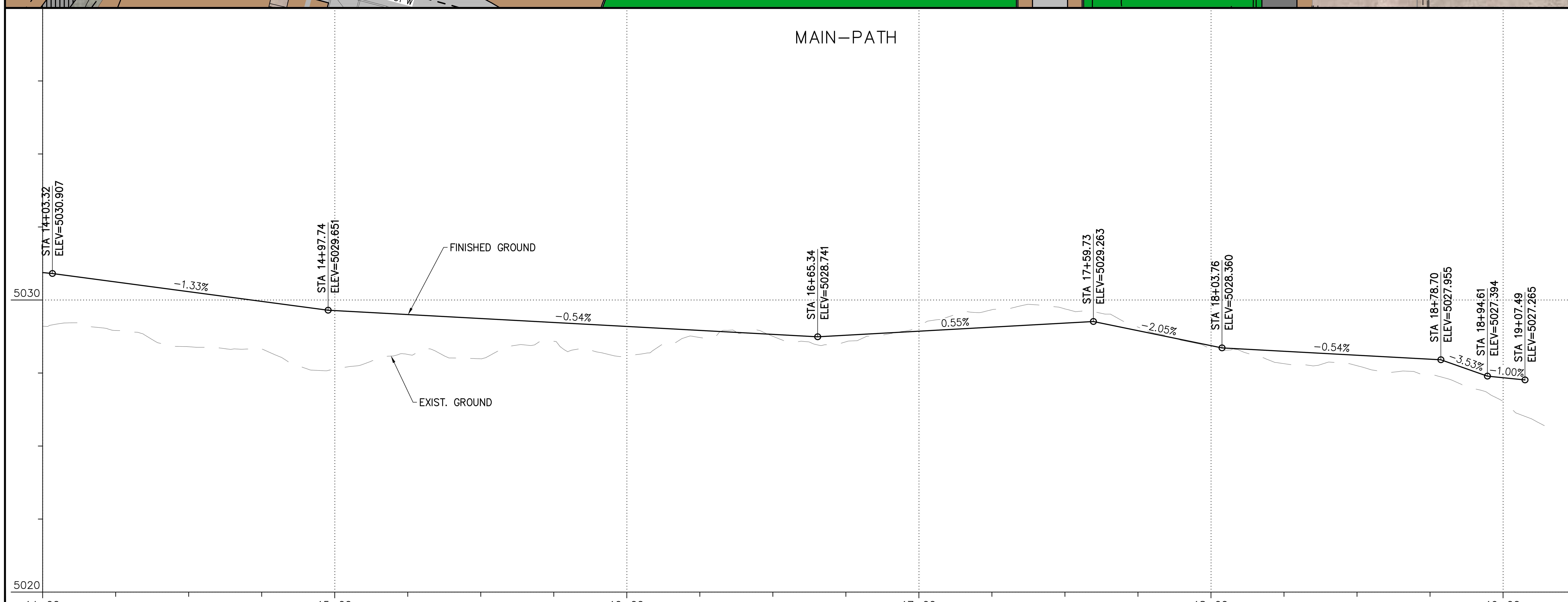

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ALIGNMENT & PROFILE – MAIN–PATH

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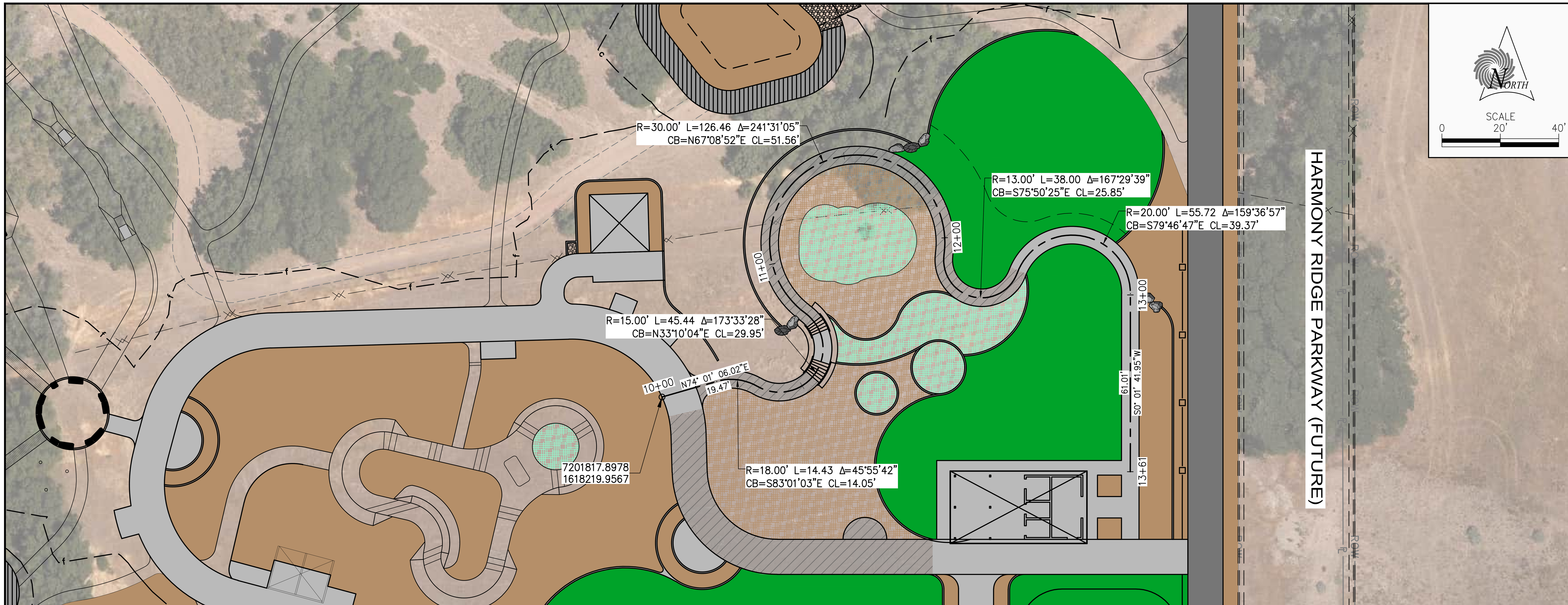

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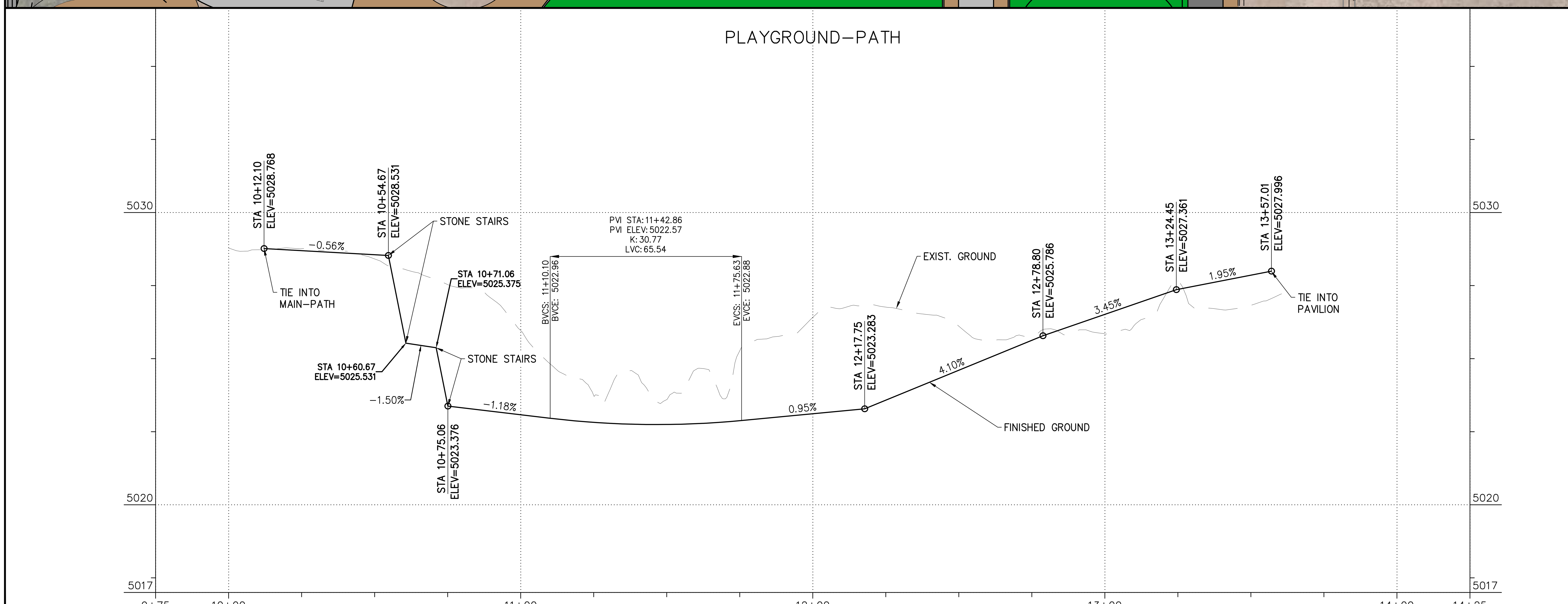
3. VARY GRADE TO MATCH ADJACENT PROPOSED FEATURES.



PROFESSIONAL ENGINEER
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TAYLOR C. TORGERSEN
6 FEB. 2026
STATE OF UTAH

MAPLETON UTAH

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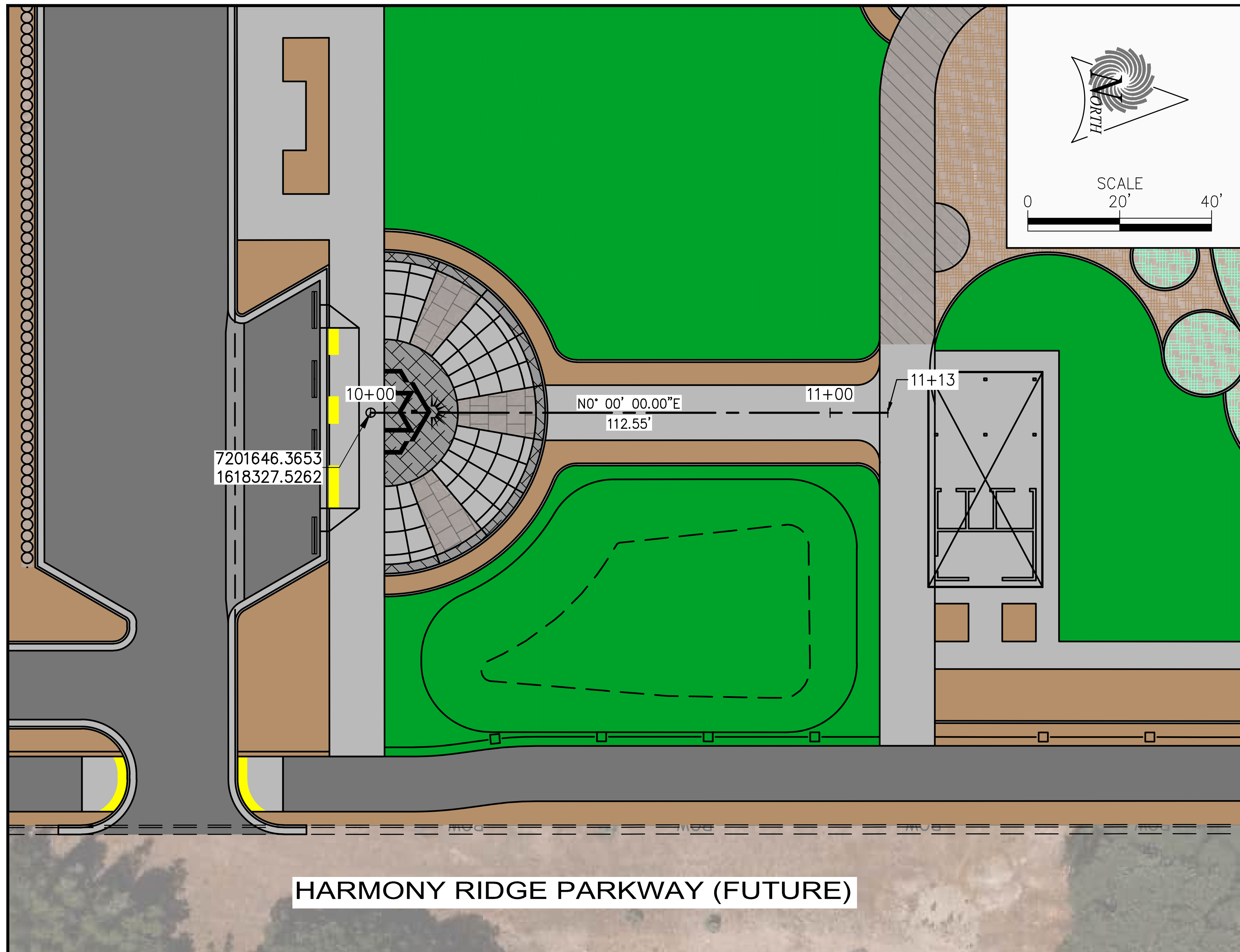
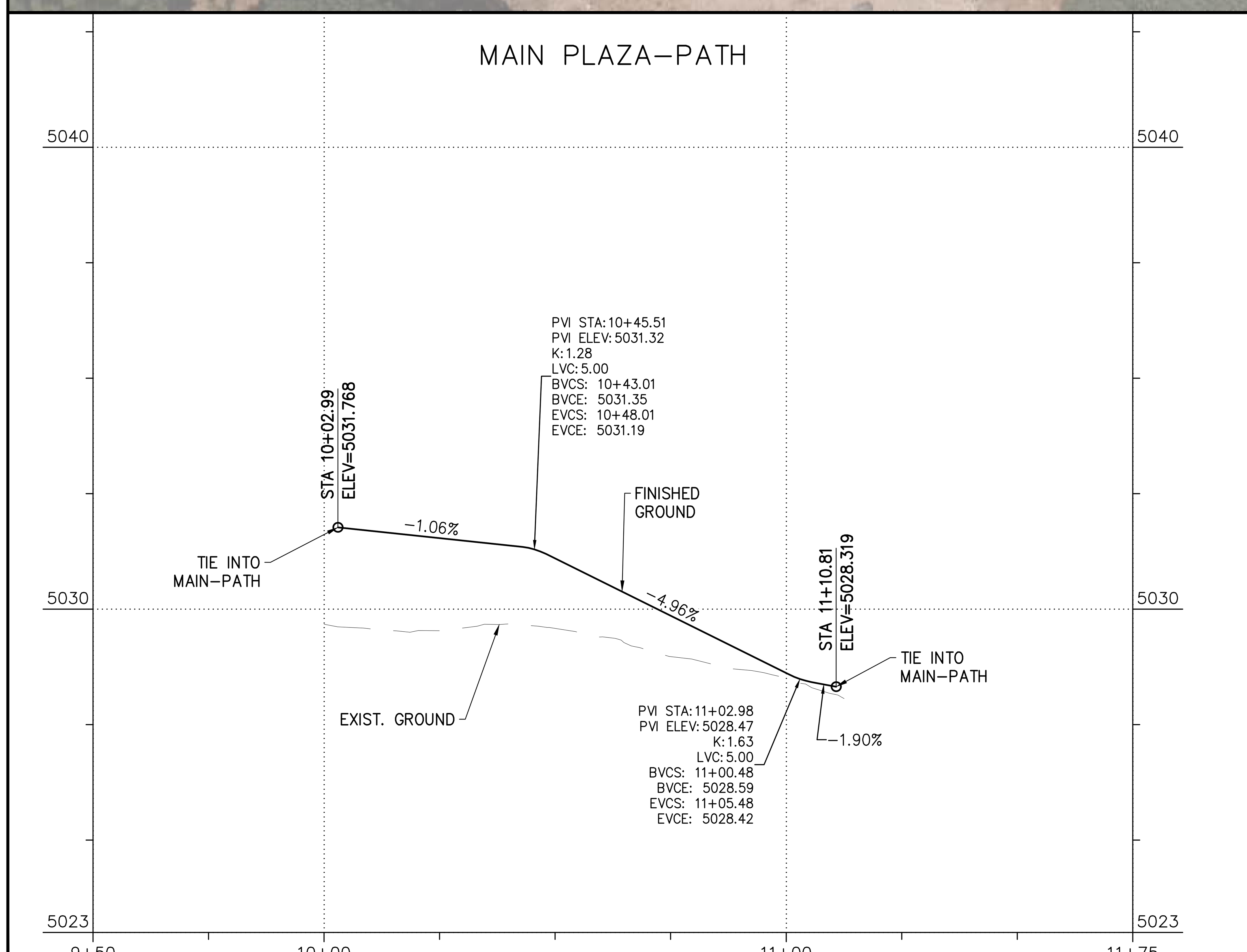
MAPLETON CITY
MAPLETON BIKE PARK
ALIGNMENT & PROFILE – PLAYGROUND–PATH

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	26 of 44	AP5

FEBRUARY 2026





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MAPLETON CITY
MAPLETON BIKE PARK
ALIGNMENT & PROFILE - MAIN PLAZA-PATH

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S16247	KRM	KRM	TCT	27 of 44	AP6

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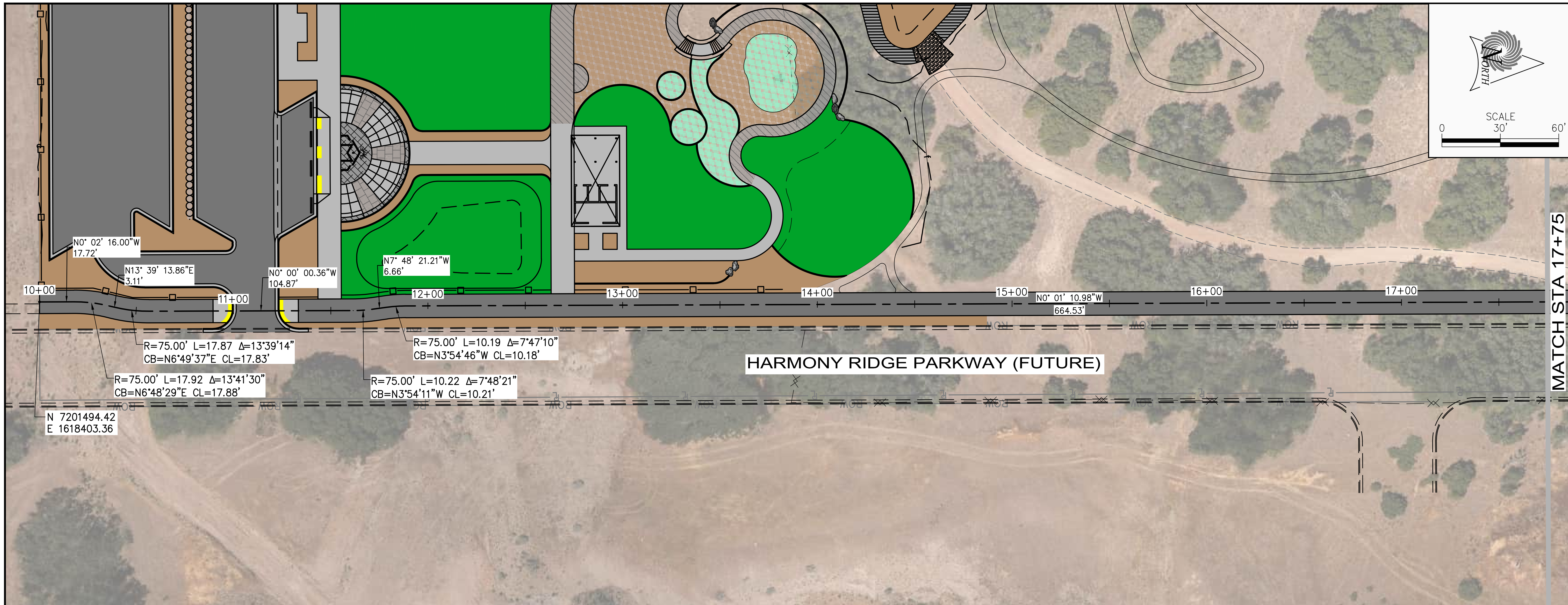

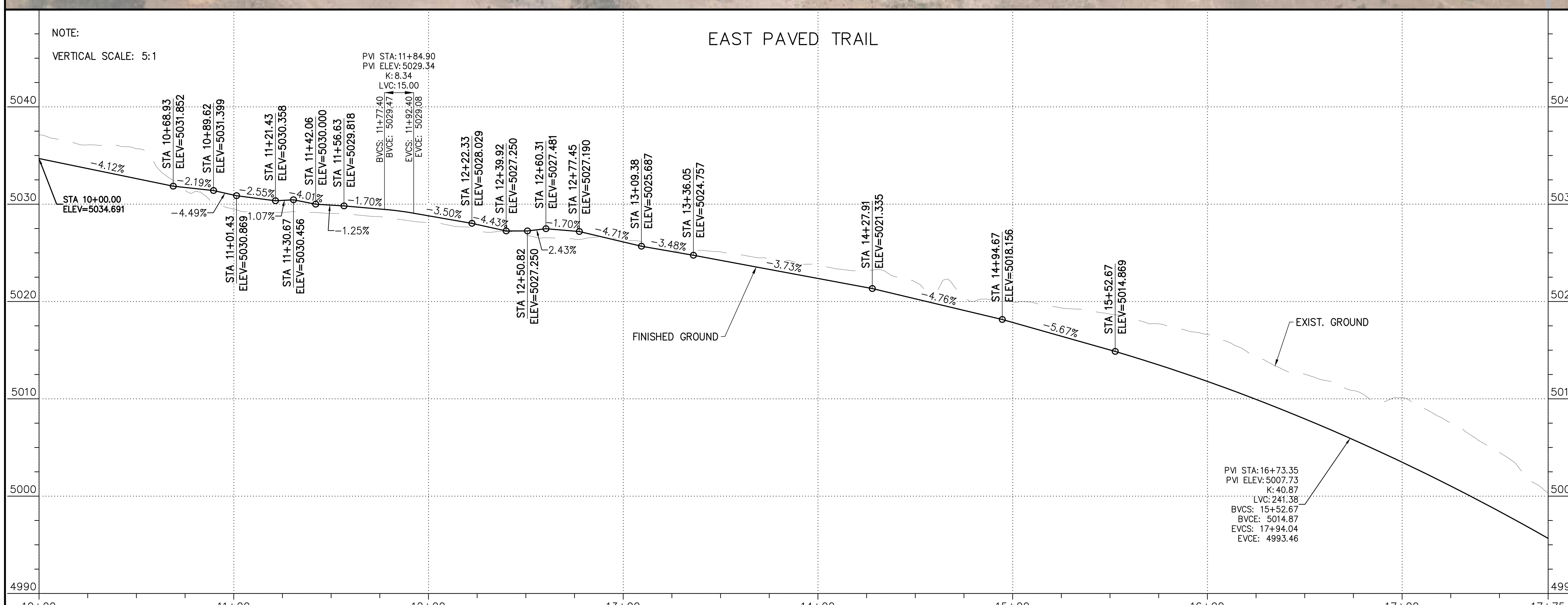

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MAPLETON CITY
MAPLETON BIKE PARK
ALIGNMENT & PROFILE − EAST PAVED TRAIL

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S16247	KRM	KRM	TCT	28 of 44	AP7

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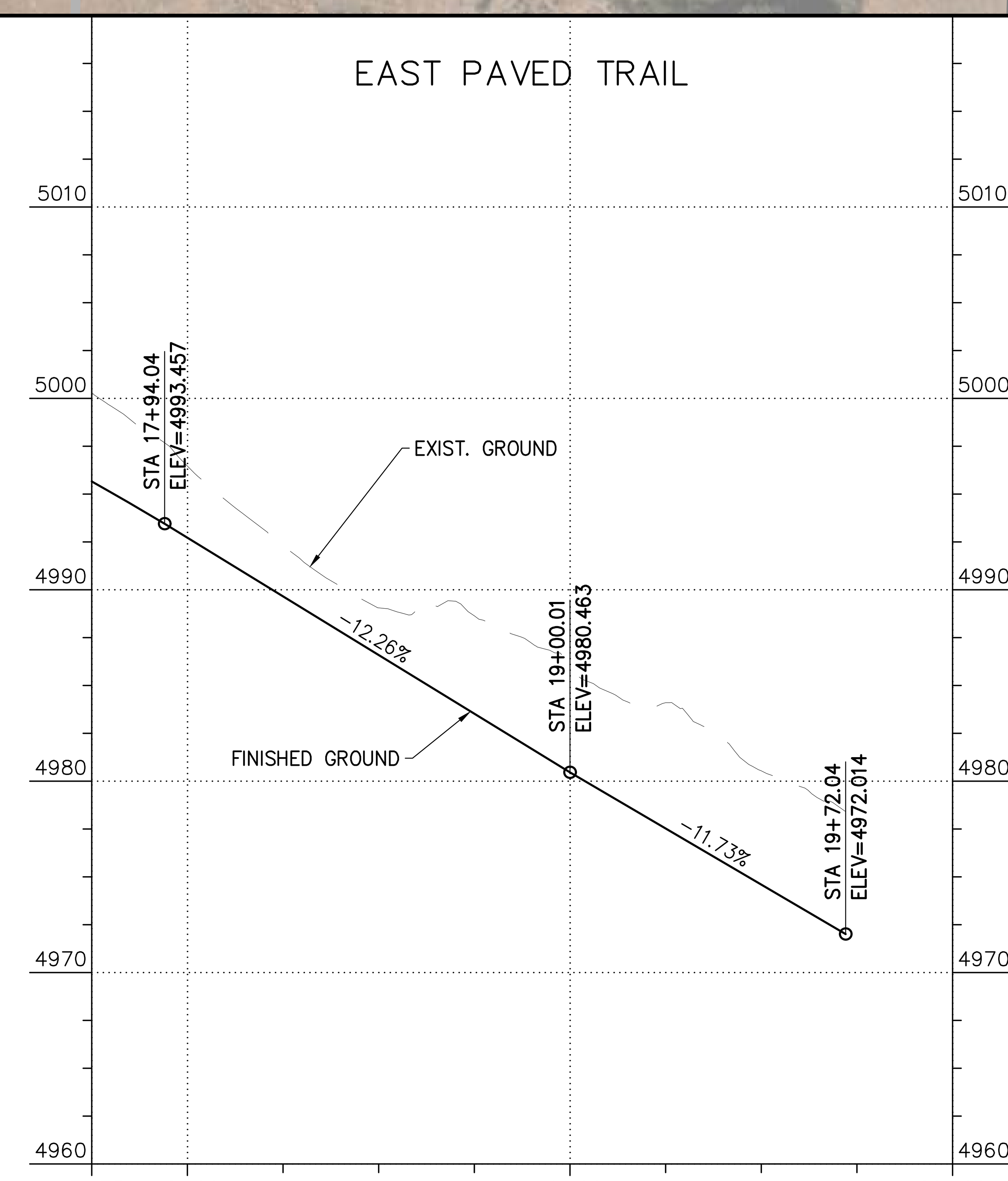
NOTE:

VERTICAL SCALE: 5:1



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MAPLETON CITY

MAPLETON BIKE PARK

ALIGNMENT & PROFILE – EAST PAVED TRAIL

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S16247	KRM	KRM	TCT	29 of 44	AP8

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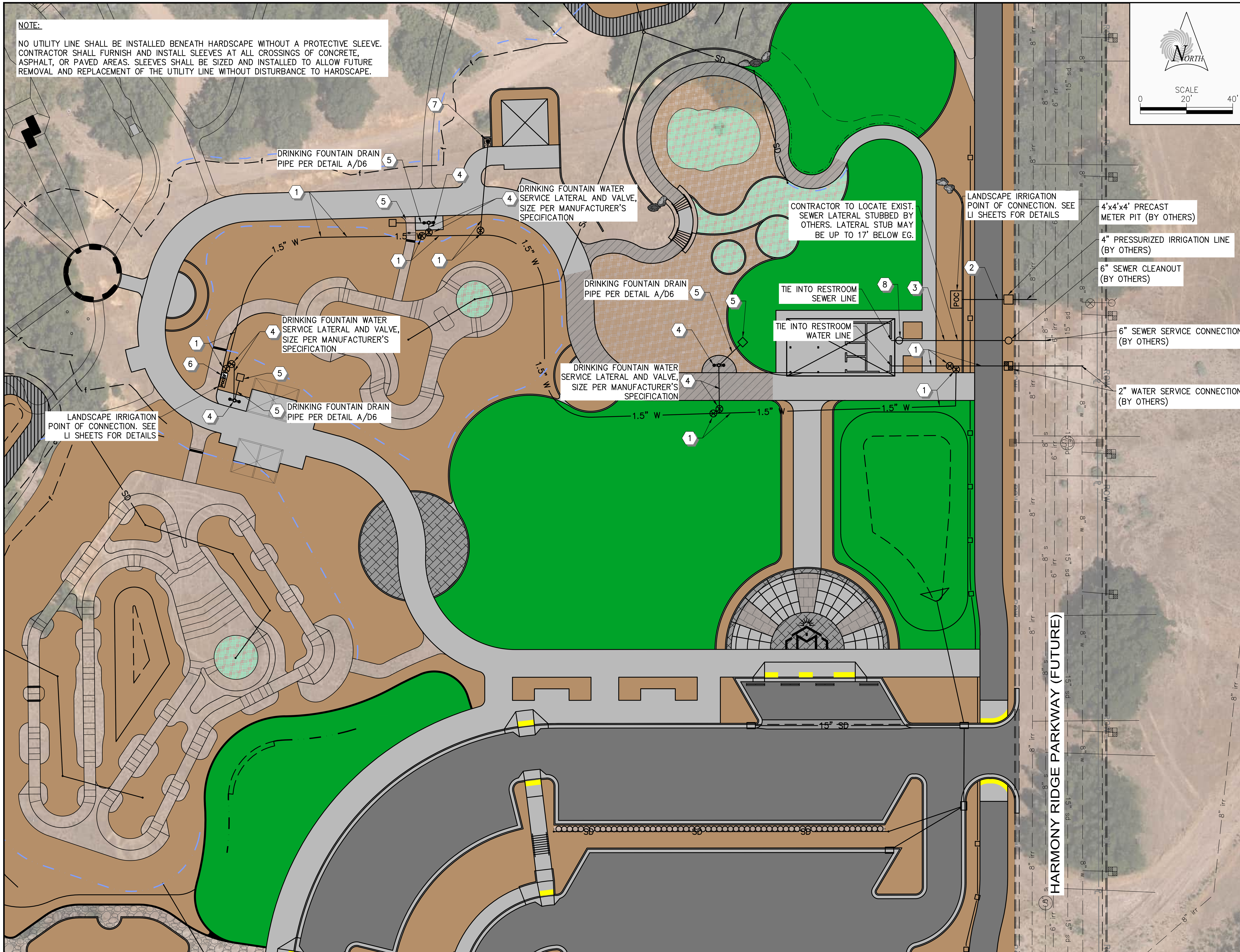

GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE CONSTRUCTION AND CHECK UTILITY ELEVATIONS SO AS TO ENSURE VERTICAL CLEARANCE OF CROSSING UTILITIES.
2. CONTRACTOR SHALL RAISE OR LOWER ALL EXISTING IRRIGATION, ELECTRICAL, OR OTHER UTILITY BOXES AS NEEDED TO MATCH ADJUSTED GRADES.
3. PLACE MAGNETIC MARKER TAPE AND TRACER WIRE ABOVE ALL WATER SERVICE LATERALS. SEE A/D3 FOR DETAILS.

WATER PLAN NOTES

1. 1-½" WATER SERVICE LATERAL
2. 4" PRESSURIZED IRRIGATION SERVICE LATERAL
3. 6" SEWER SERVICE LATERAL
4. INSTALL OWNER-FURNISHED DRINKING FOUNTAIN
5. SUMP PIT PER A/D6
6. 1" BACKFLOW PREVENTER ASSEMBLY (FEBCO 825YA) PER C/D7
7. FROST-FREE HYDRANT (WOODFORD MODEL S3)
8. 6" SEWER CLEANOUT

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MAPLETON CITY
MAPLETON BIKE PARK
UTILITY

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S16247	KRM	KRM	TCT	30 of 44	UTIL1

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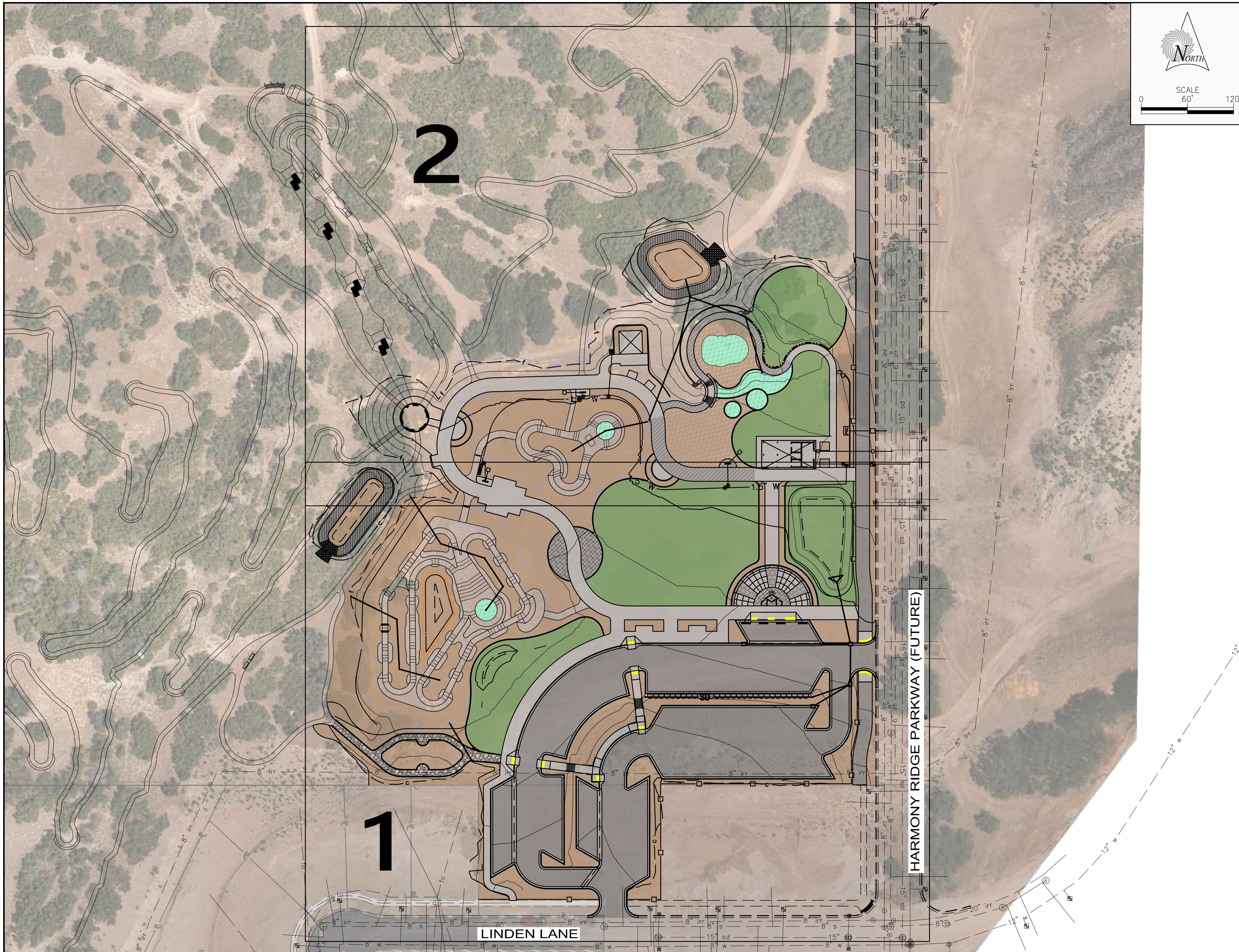

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3. HEAVY CONSTRUCTION VEHICLES WILL BE PROHIBITED FROM PERFORMING UNNECESSARY SOIL COMPACTION AT DRAINAGE BASIN LOCATIONS. ACCESS ROUTES FOR HEAVY EQUIPMENT WILL BE LOCATED AROUND BASINS.
4. LANDSCAPING WITHIN DRAINAGE BASINS SHALL BE NATIVE OR DROUGHT–TOLERANT SPECIES THAT CAN PROVIDE SLOPE PROTECTION, REDUCE EXCESS IRRIGATION RUNOFF, AND PROMOTE EFFECTIVE SURFACE FILTRATION TO OPTIMIZE BASIN PERFORMANCE.
5. TEMPORARY CONSTRUCTION FENCING SHALL BE MAINTAINED IN GOOD CONDITION THROUGH THE DURATION OF THE PROJECT.

STORM DRAIN PLAN NOTES

1. 4" FIELD DRAIN PIPE
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3. 8" FIELD DRAIN BASIN PER D/D3
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6. CATCH BASIN SINGLE GRATE PER B/D3
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8. 4" PERFORATED DRAIN PIPE
9. RIPRAP DRAINAGE SWALE PER G/D4
10. PUMP TRACK BASIN AND SUMP PER B/D7

LEGEND

RIPRAP DRAINAGE SWALE

TEMPORARY FENCING PER A/D7

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MAPLETON CITY
MAPLETON BIKE PARK
DRAINAGE PLAN

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S16247	KRM	KRM	TCT	31 of 44	DRIDX

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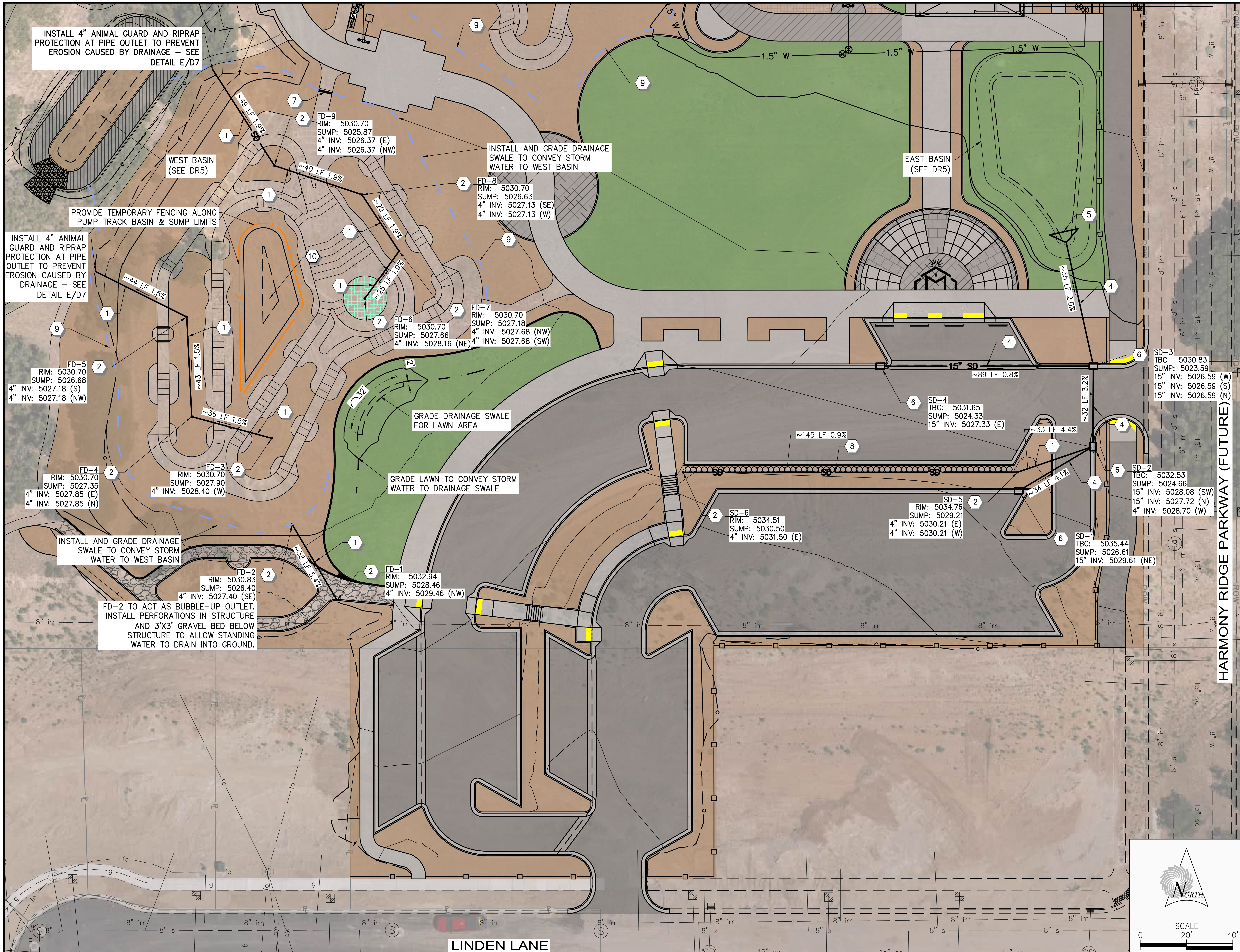

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LEGEND

RIPRAP DRAINAGE SWALE

TEMPORARY FENCING PER A/D7

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DRAINAGE PLAN

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S16247	KRM	KRM	TCT	32 of 44	DR1

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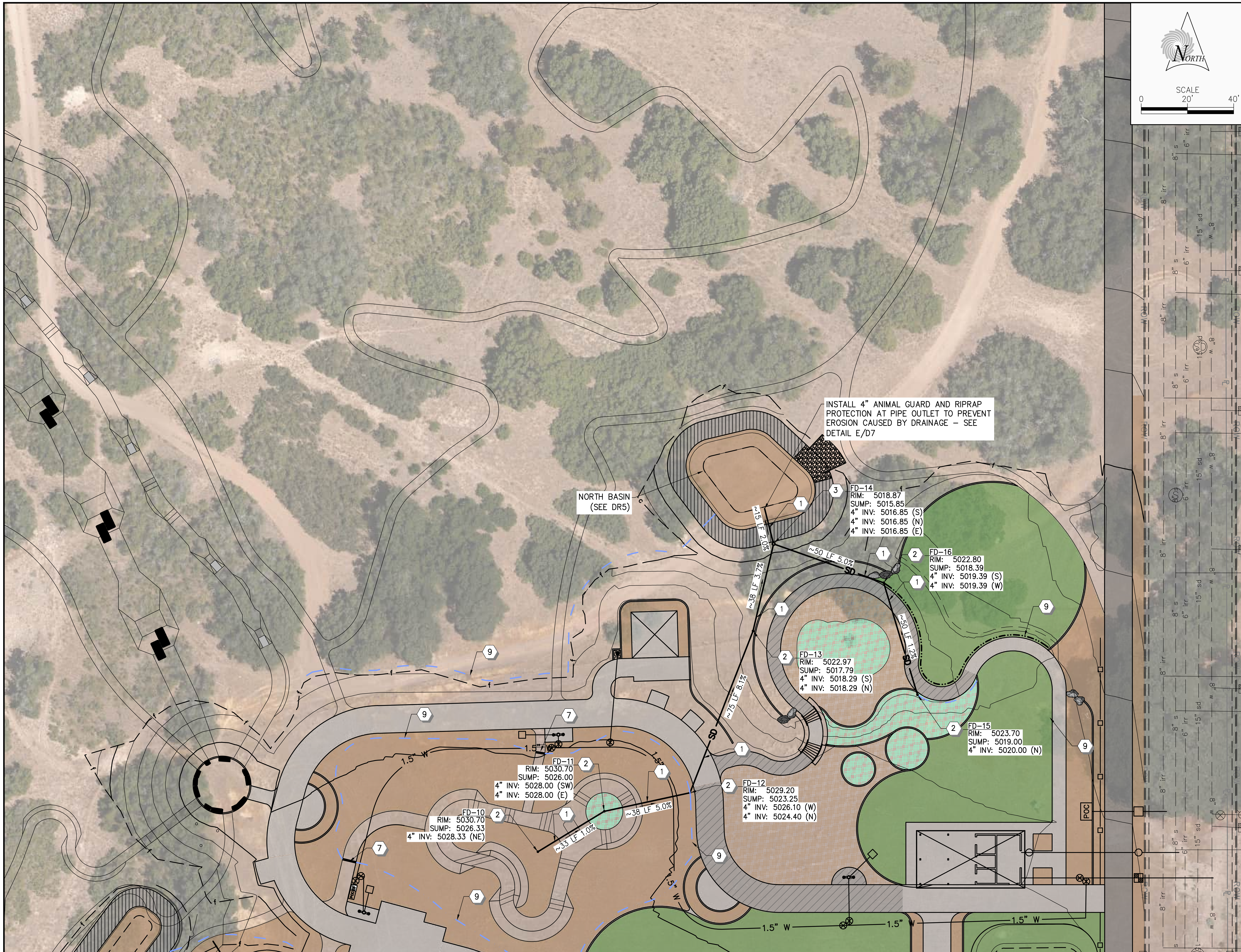

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RIPRAP DRAINAGE SWALE

TEMPORARY FENCING PER A/D7

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MAPLETON CITY
MAPLETON BIKE PARK
DRAINAGE PLAN

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S16247	KRM	KRM	TCT	33 of 44	DR2

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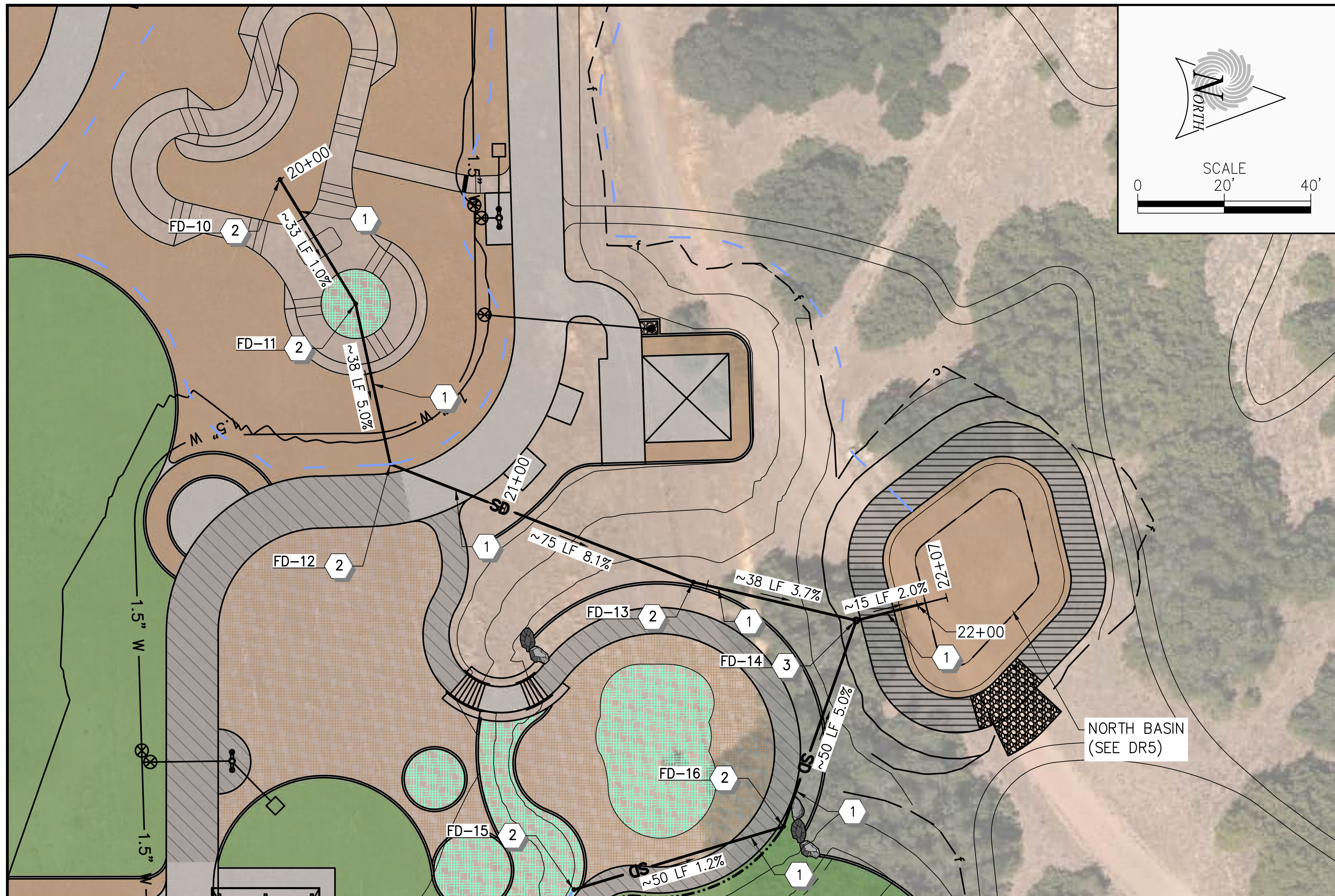

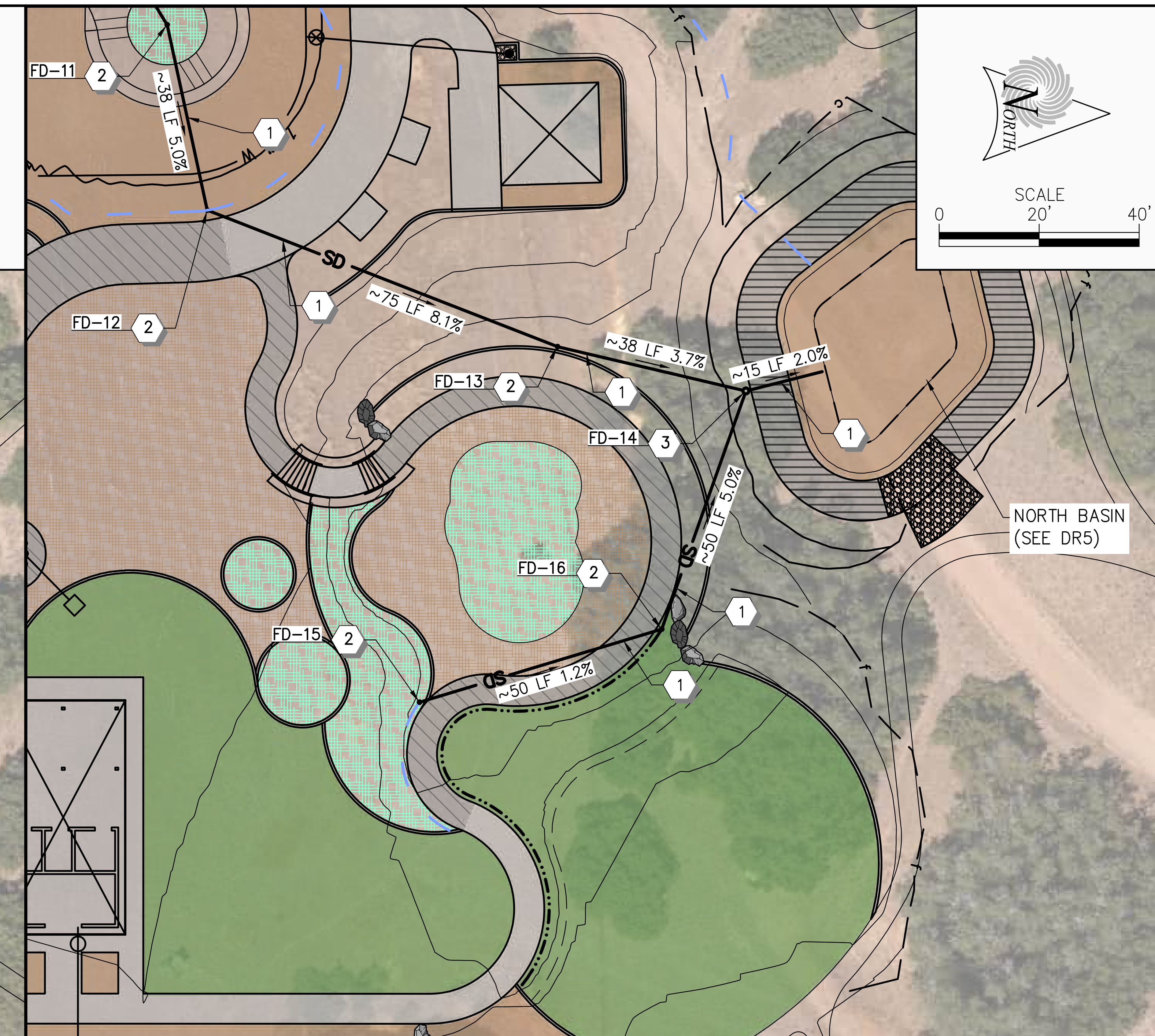

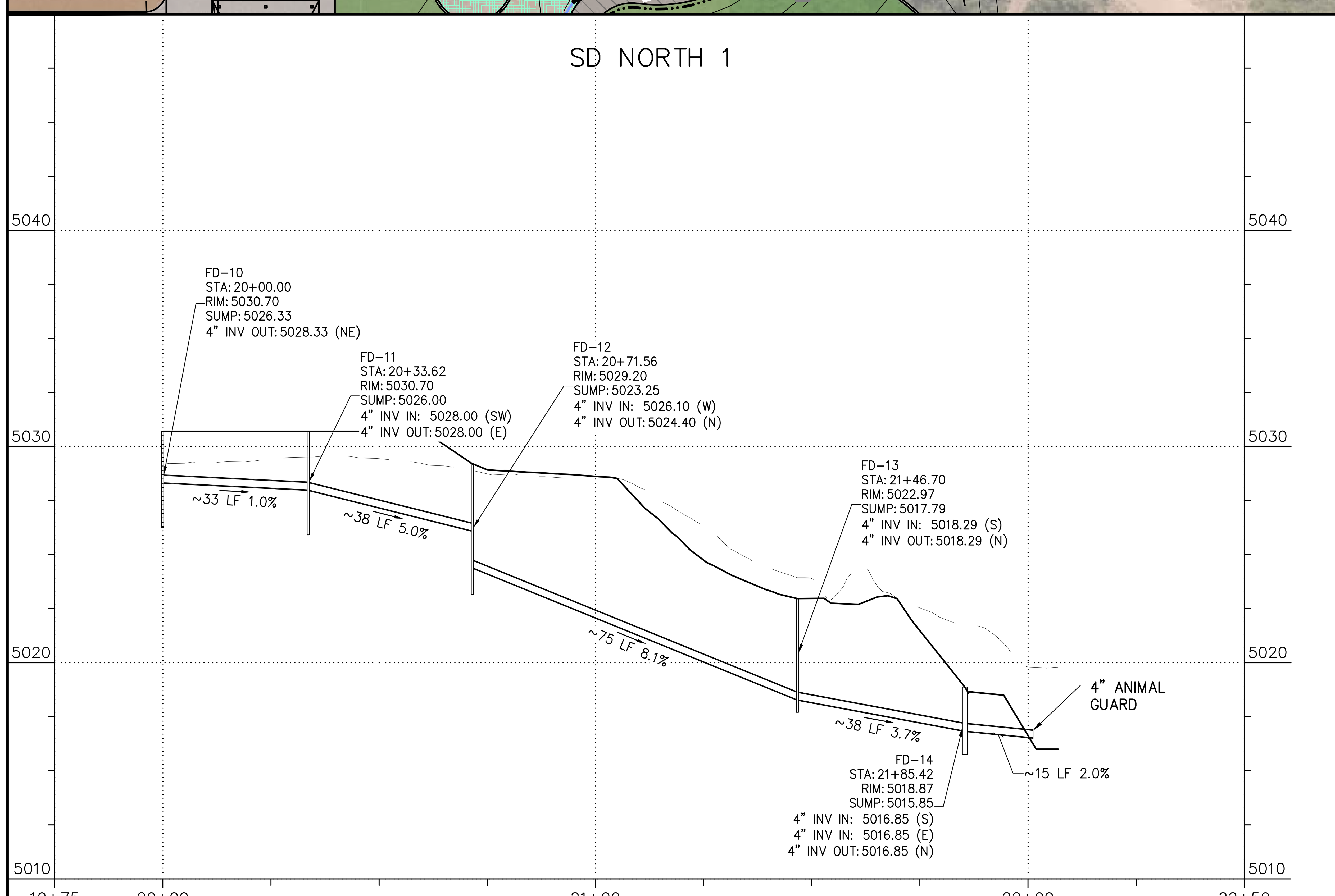

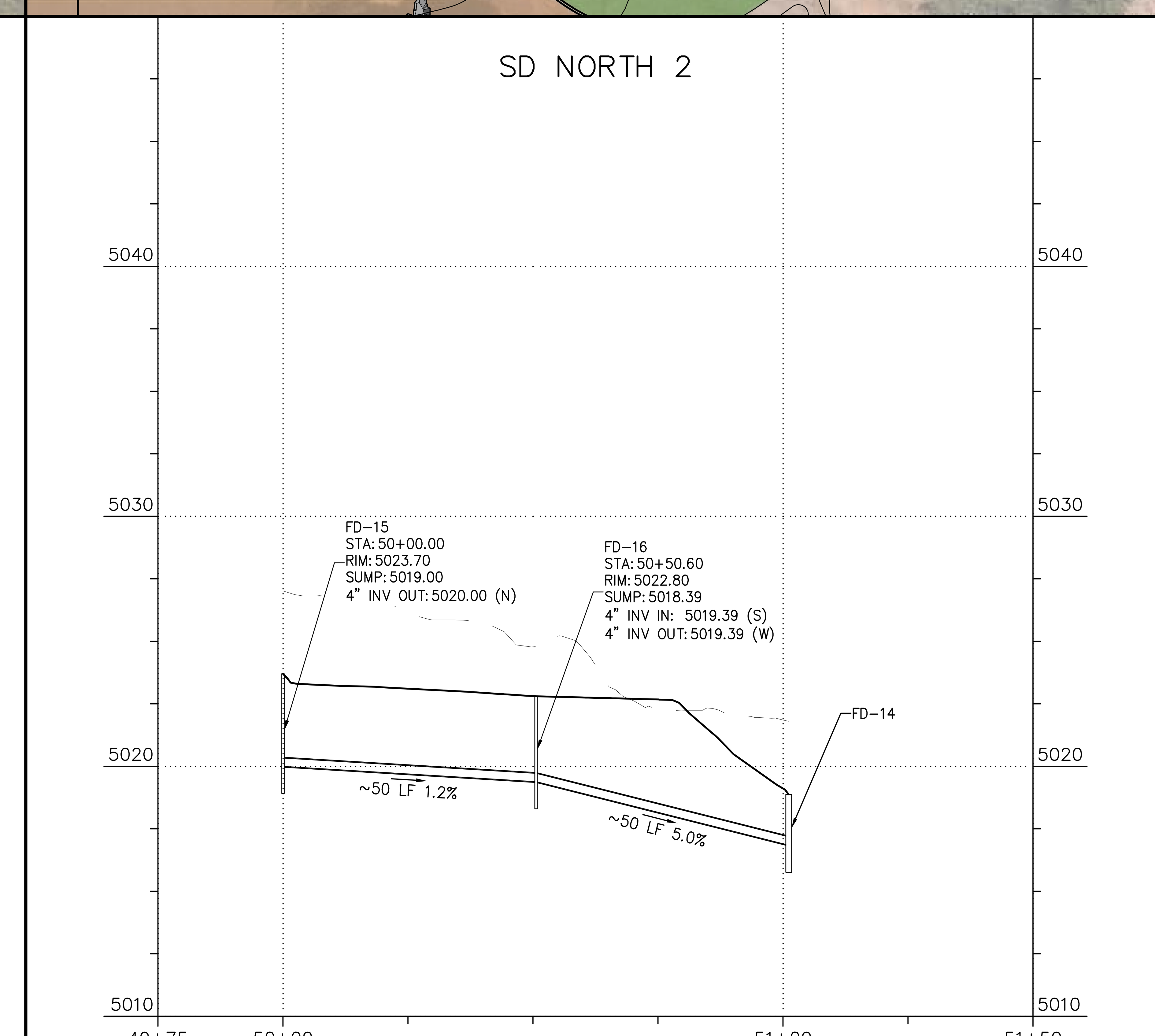

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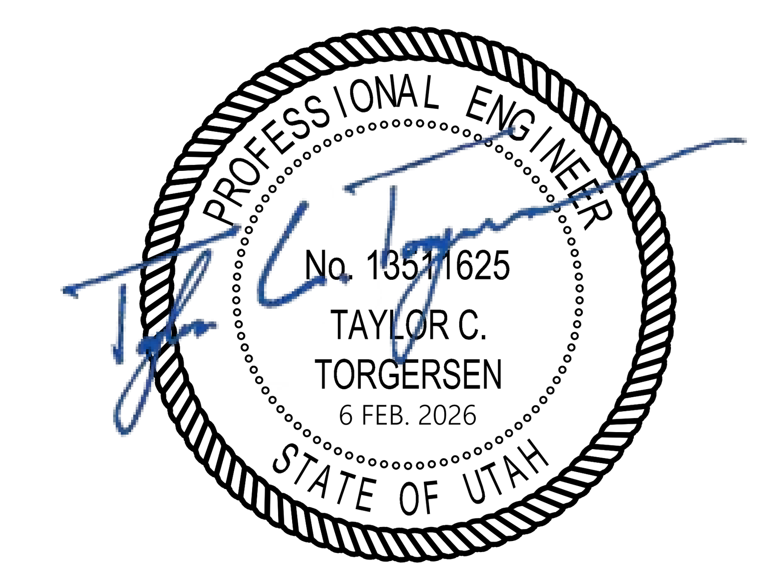
LEGEND

RIPRAP DRAINAGE SWALE

TEMPORARY FENCING PER A/D7



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DRAINAGE PLAN

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S16247	KRM	KRM	TCT	34 of 44	DR3

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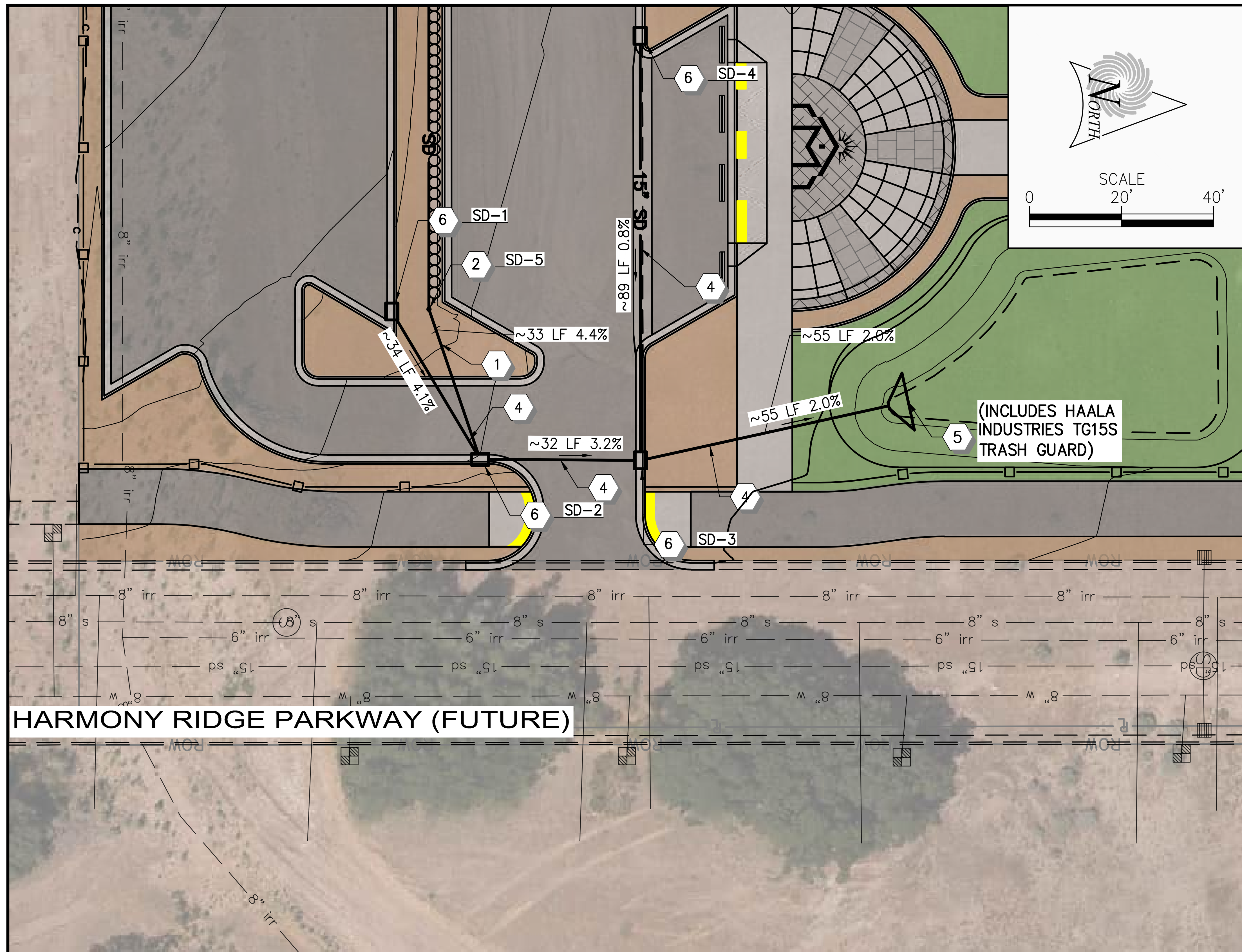

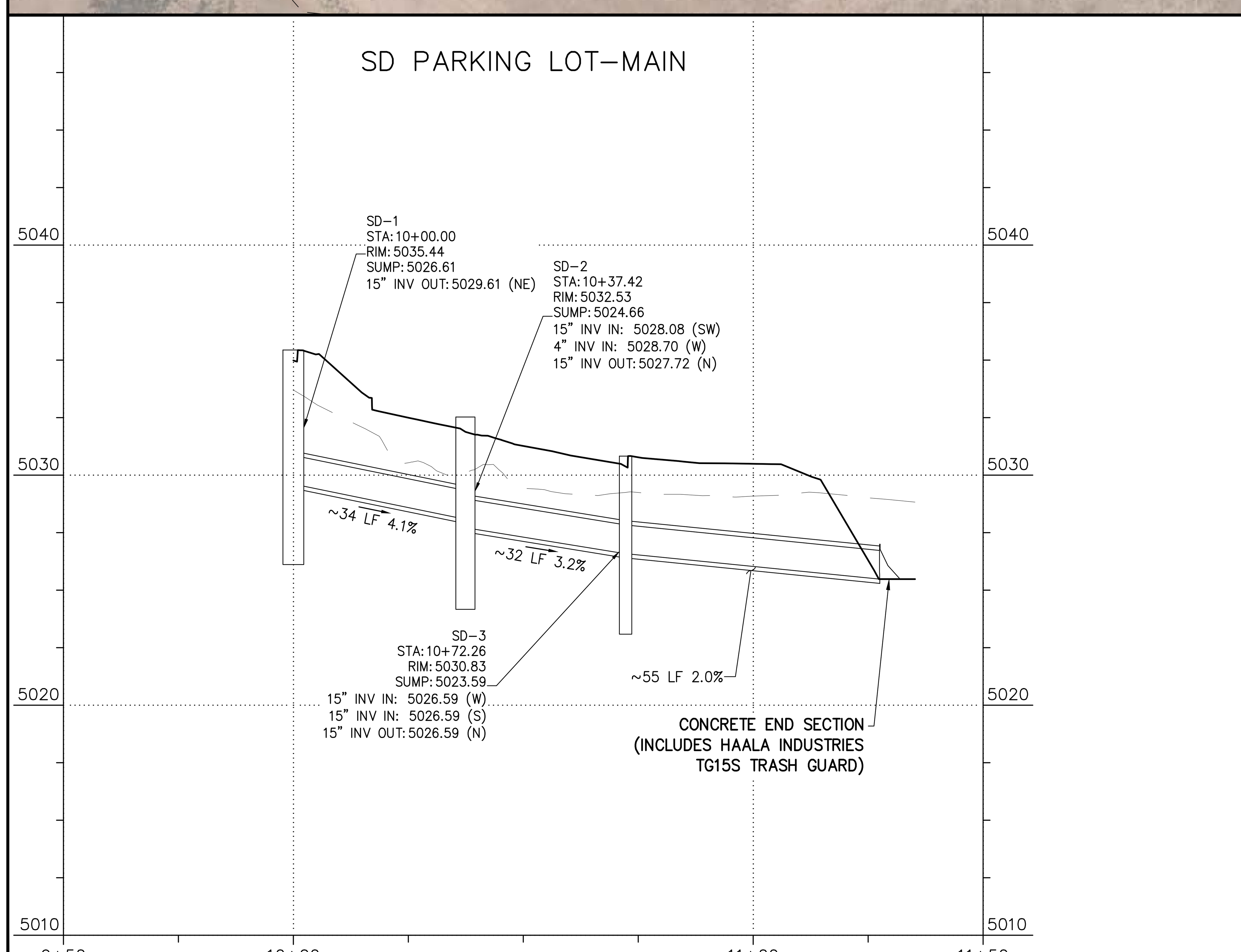

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LEGEND

RIPRAP DRAINAGE SWALE

TEMPORARY FENCING PER A/D7

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MAPLETON CITY
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DRAINAGE PLAN

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FEBRUARY 2026

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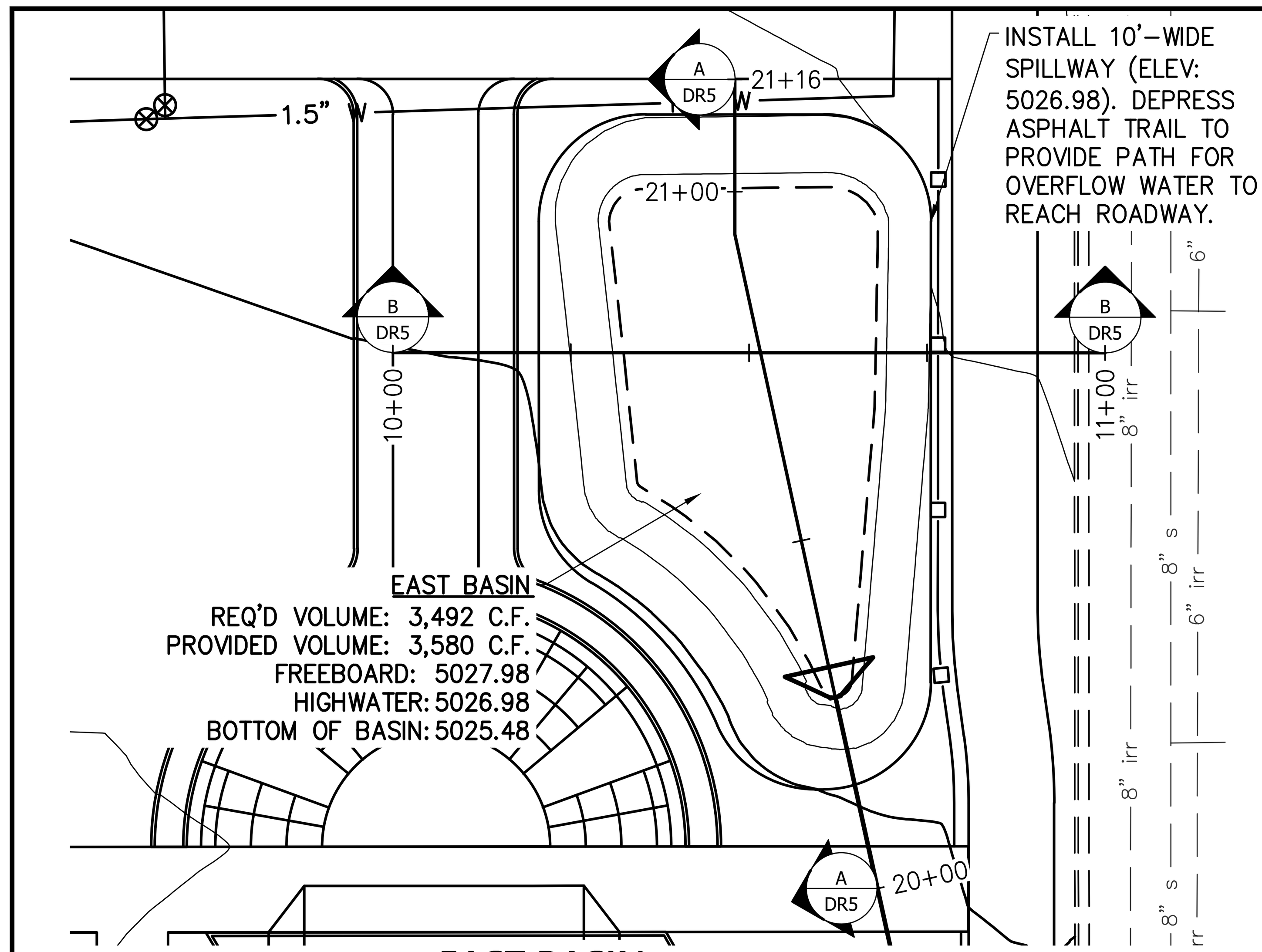
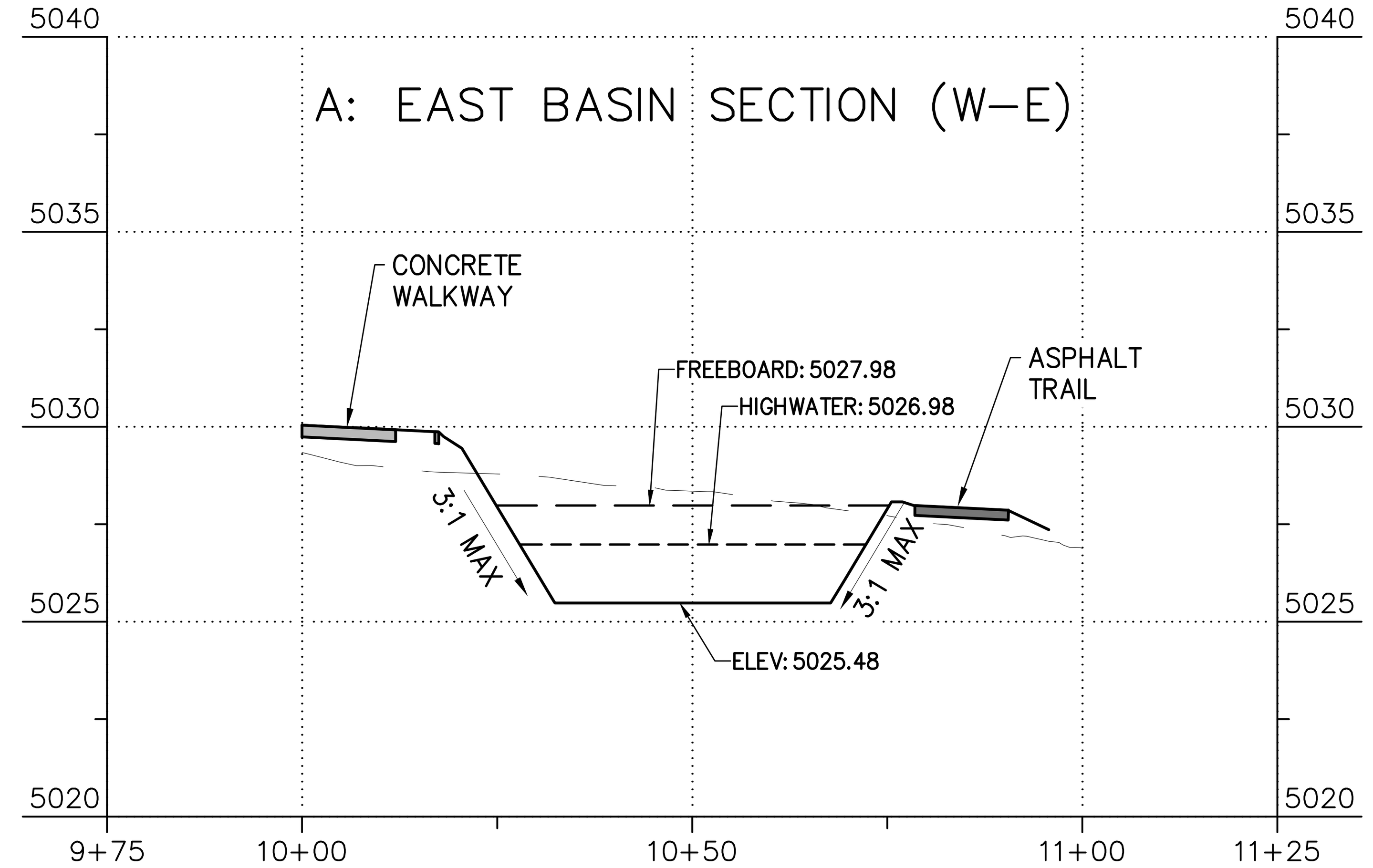
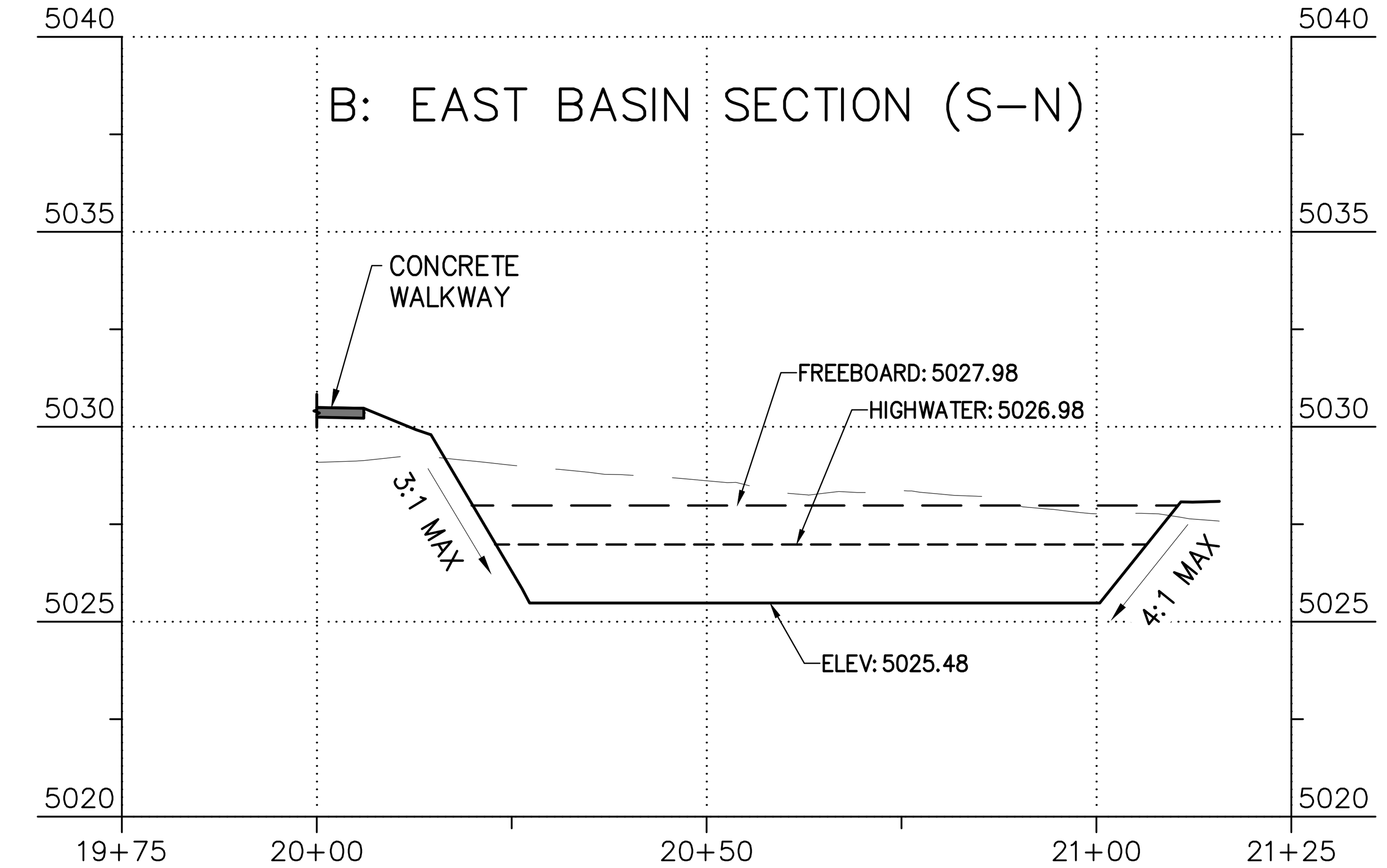
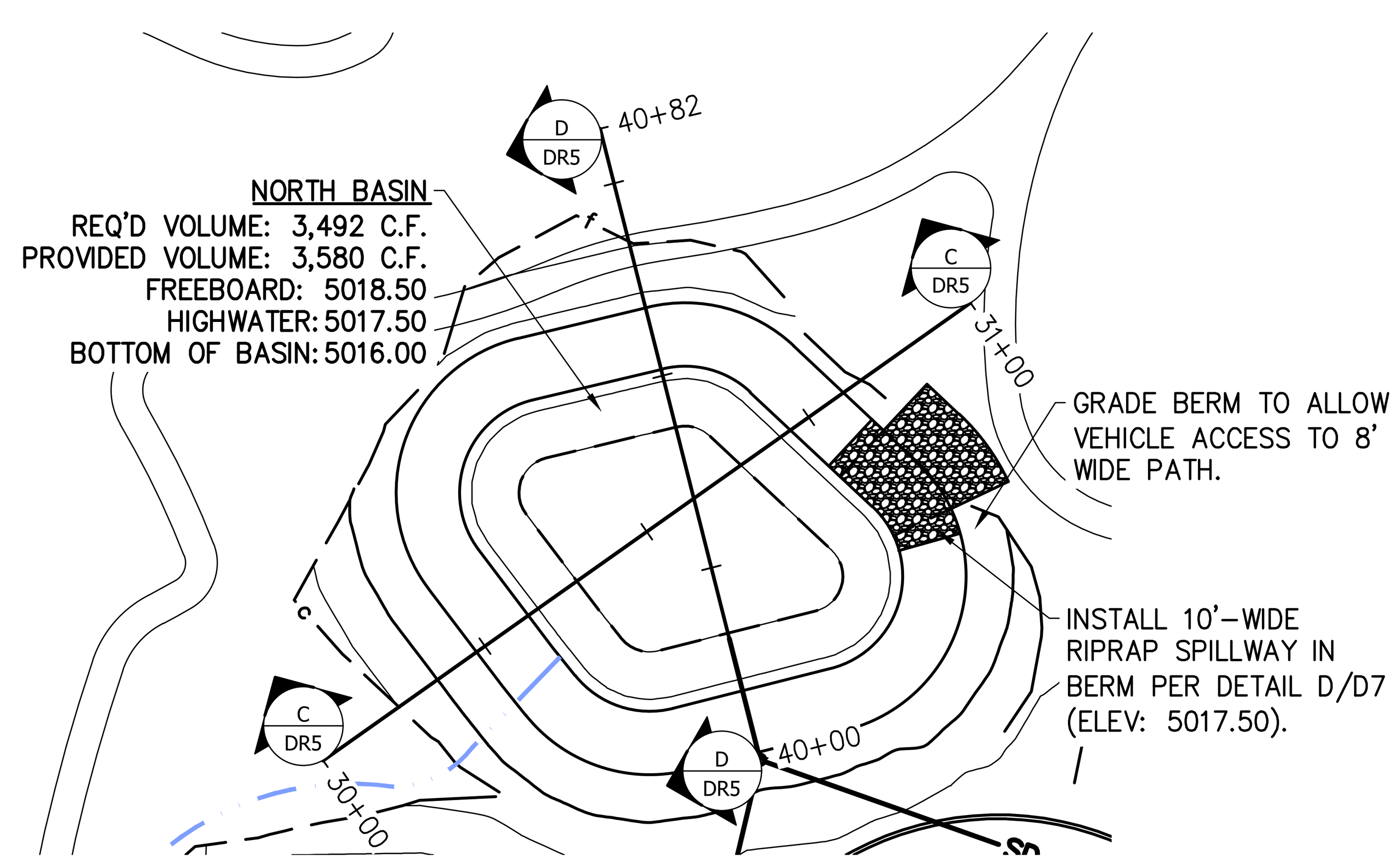


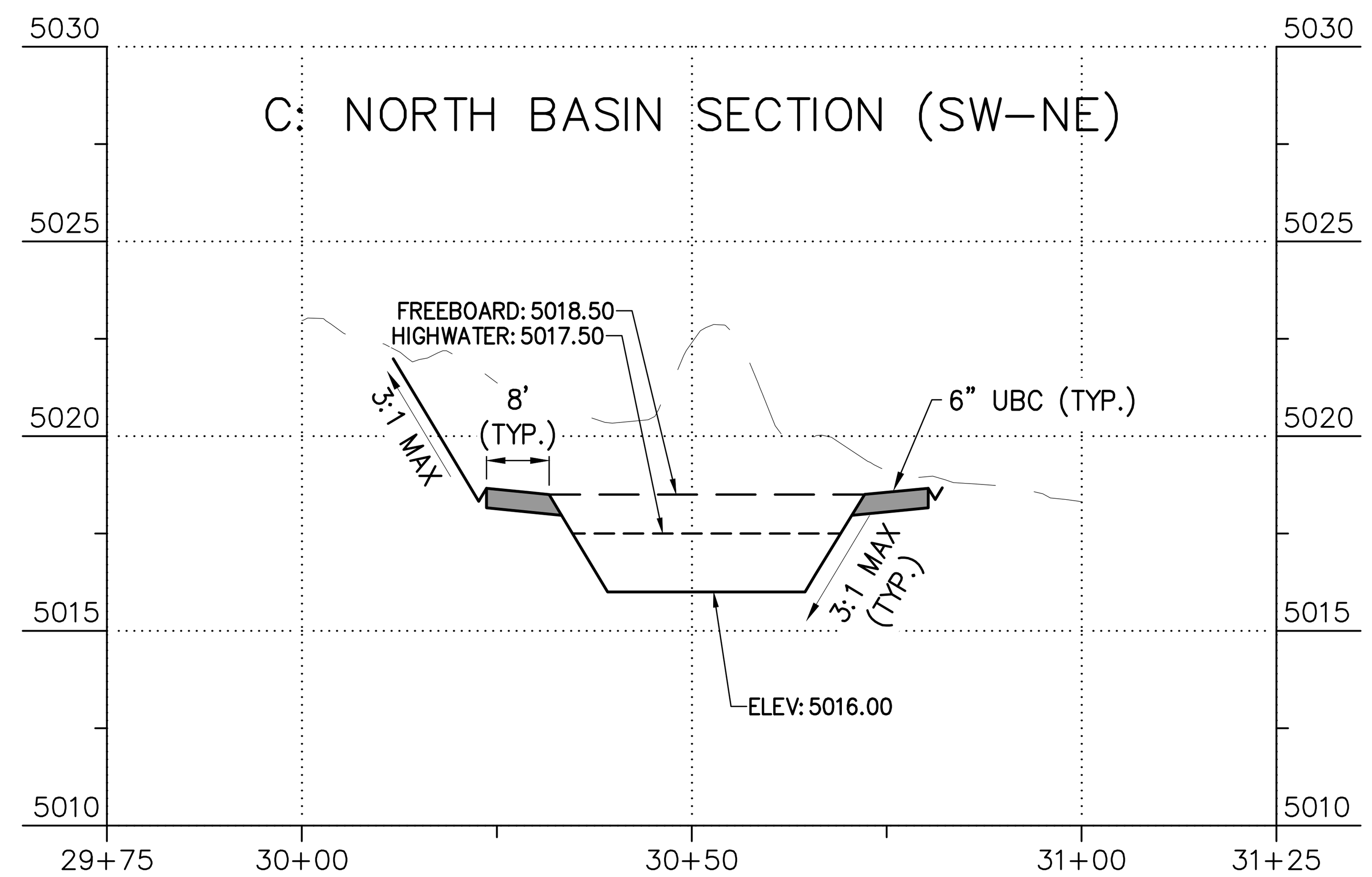
EAST BASIN

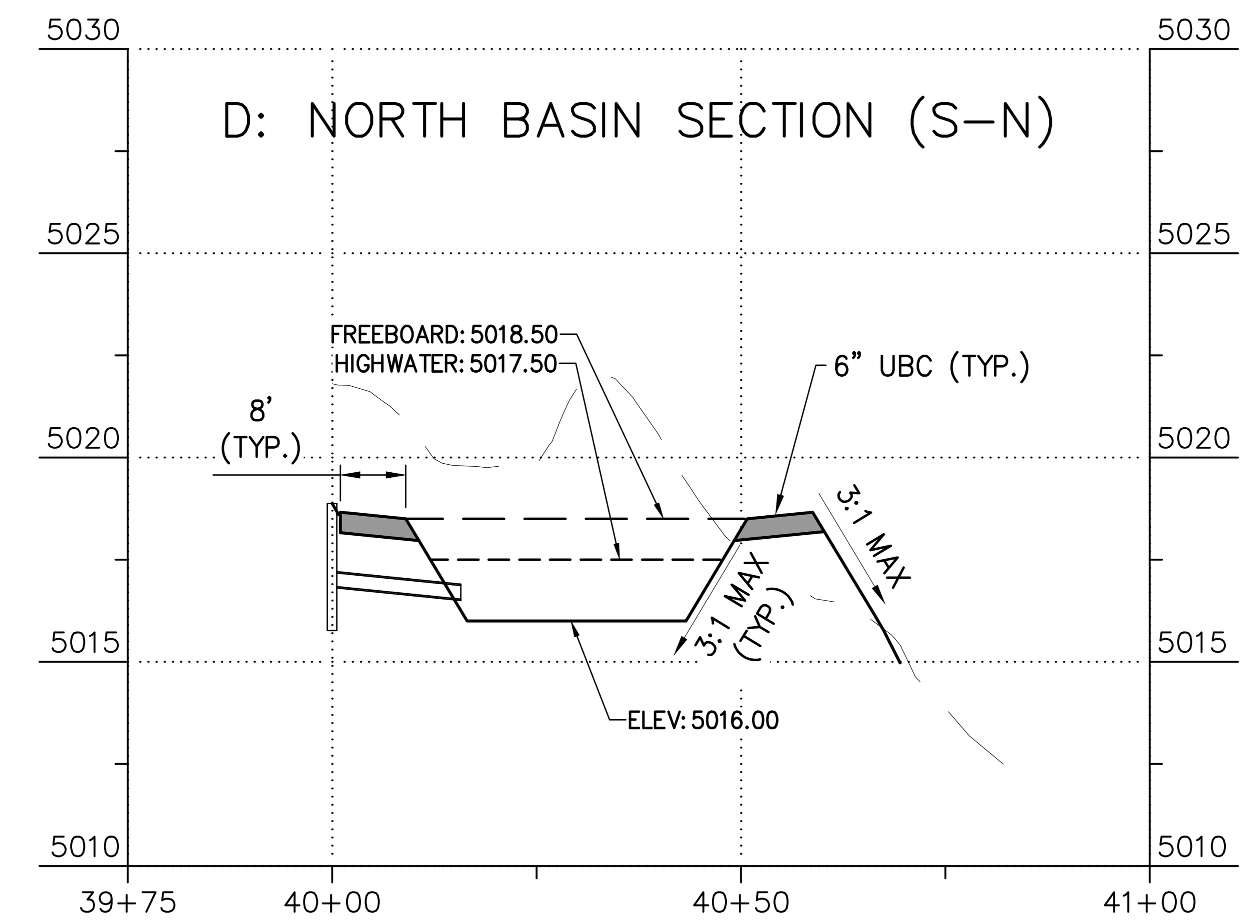


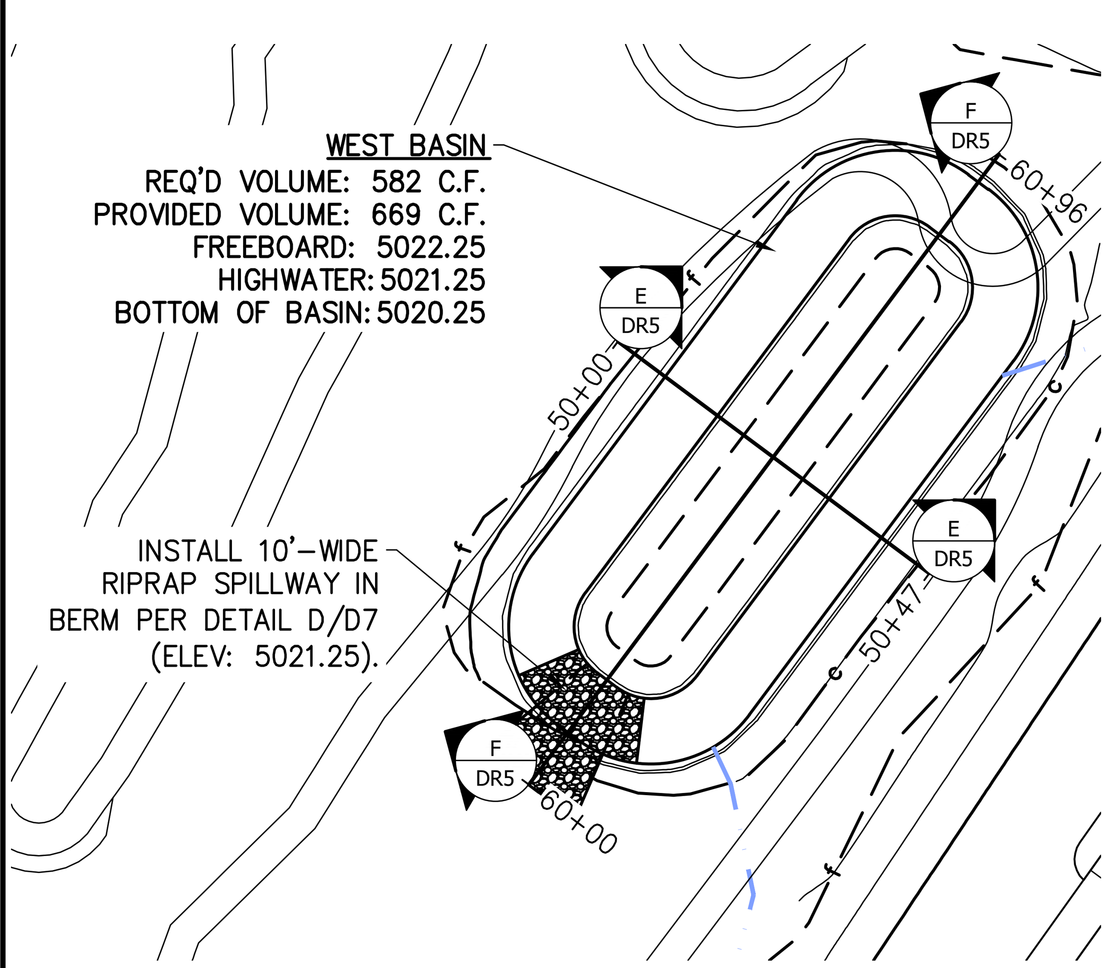




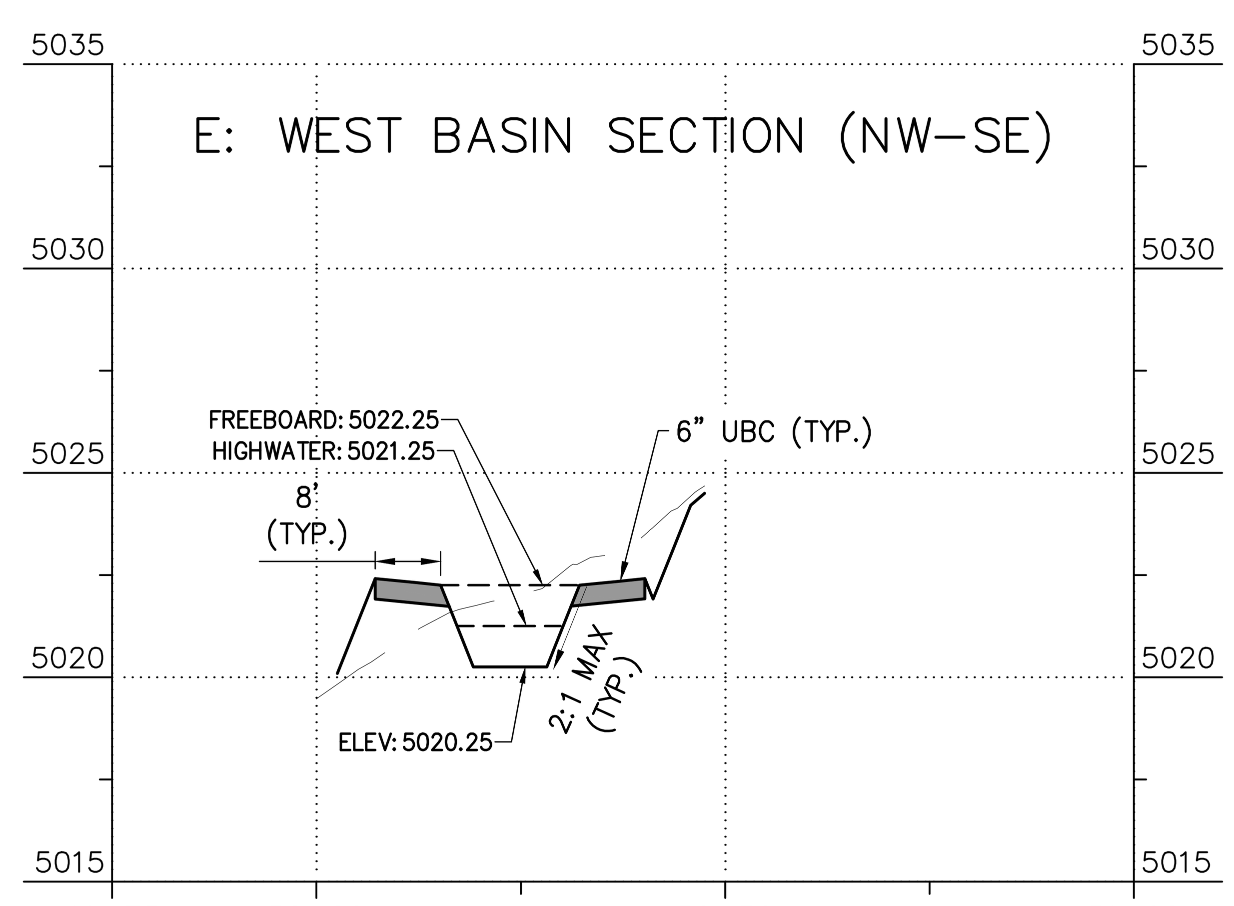
NORTH BASIN

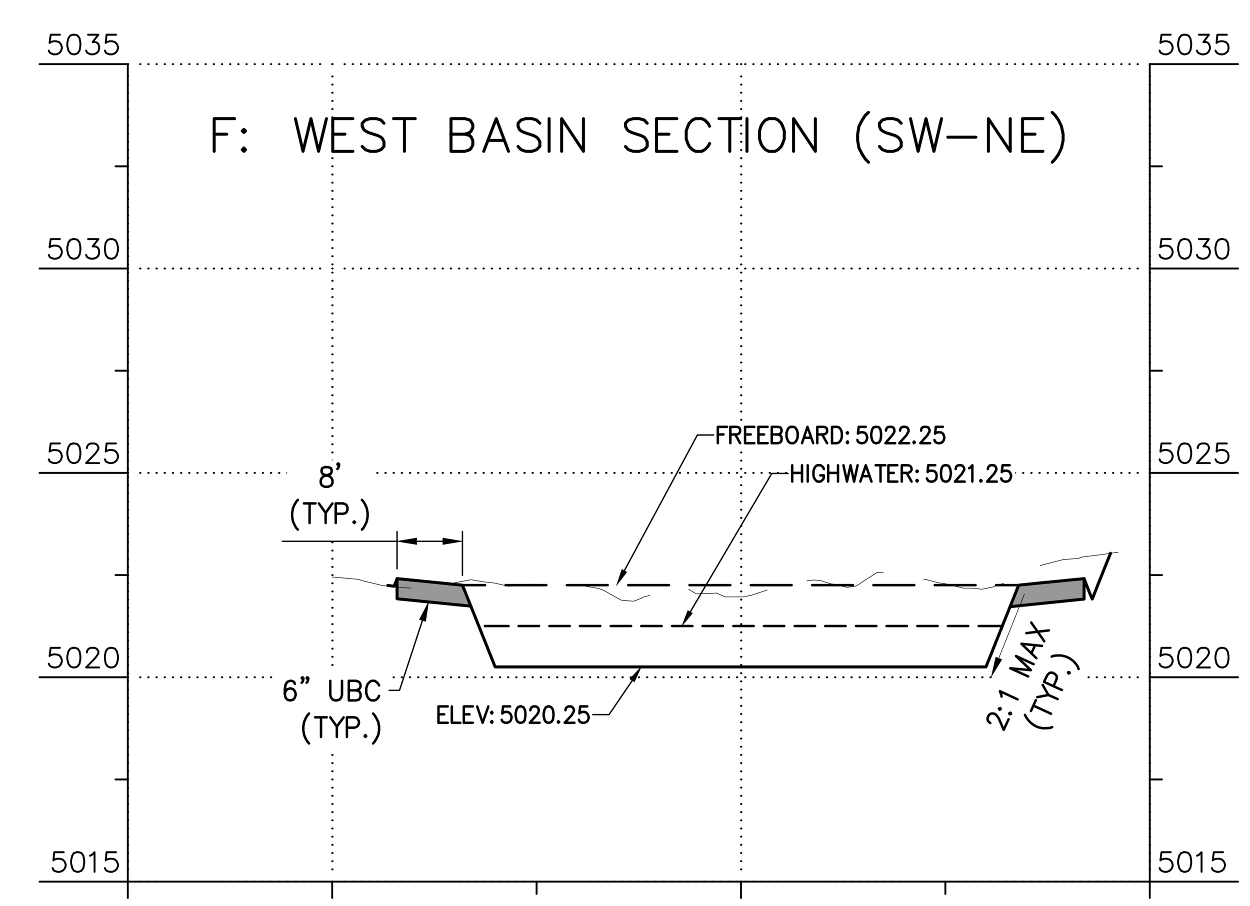






WEST BASIN





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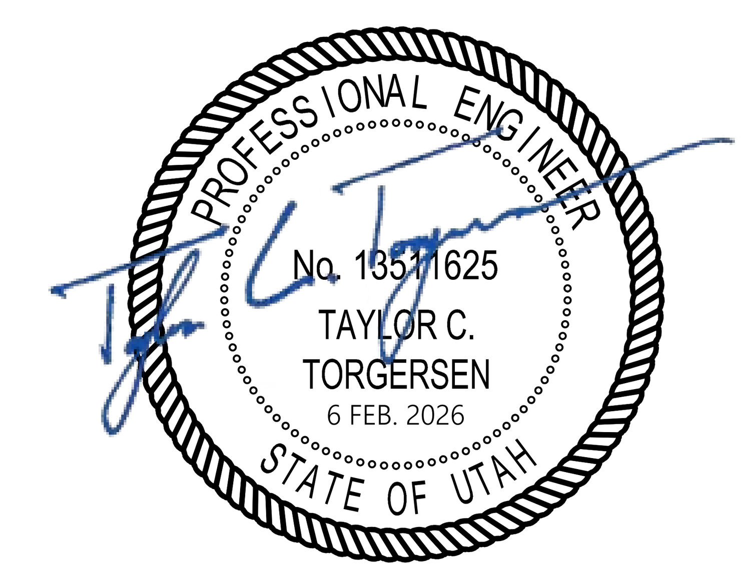
1. CONTRACTOR SHALL SEQUENCE CONSTRUCTION AND CHECK UTILITY ELEVATIONS SO AS TO ENSURE VERTICAL CLEARANCE OF CROSSING UTILITIES.
2. CONTRACTOR SHALL ENSURE THAT ALL FLOWLINES, TO DRAINAGE SYSTEM OR OTHERWISE, FUNCTION AS INTENDED. WHERE NECESSARY, ROUTE FLOWLINES AROUND OBSTRUCTIONS.
3. HEAVY CONSTRUCTION VEHICLES WILL BE PROHIBITED FROM PERFORMING UNNECESSARY SOIL COMPACTION AT DRAINAGE BASIN LOCATIONS. ACCESS ROUTES FOR HEAVY EQUIPMENT WILL BE LOCATED AROUND BASINS.
4. LANDSCAPING WITHIN DRAINAGE BASINS SHALL BE NATIVE OR DROUGHT-TOLERANT SPECIES THAT CAN PERFORM SLOPE PROTECTION, REDUCE EXCESS IRRIGATION RUNOFF, AND PROMOTE EFFECTIVE SURFACE FILTRATION TO OPTIMIZE BASIN PERFORMANCE.
5. TEMPORARY CONSTRUCTION FENCING SHALL BE MAINTAINED IN GOOD CONDITION THROUGH THE DURATION OF THE PROJECT.

STORM DRAIN PLAN NOTES

1. 4" FIELD DRAIN PIPE
2. 4" FIELD DRAIN INLET PER C/D3
3. 8" FIELD DRAIN BASIN PER D/D3
4. 15" RCP PIPE
5. 15" RCP END SECTION W/ TRASH GRATE
6. CATCH BASIN SINGLE GRATE PER B/D3
7. STEEL TUBE CULVERT PER E/D3
8. 4" PERFORATED DRAIN PIPE
9. RIPRAP DRAINAGE SWALE PER G/D4
10. PUMP TRACK BASIN AND SUMP PER B/D7

LEGEND

- RIPRAP DRAINAGE SWALE
- TEMPORARY FENCING PER A/D7



MAPLETON UTAH

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TEL 801.704.5220 | sunrise-eng.com

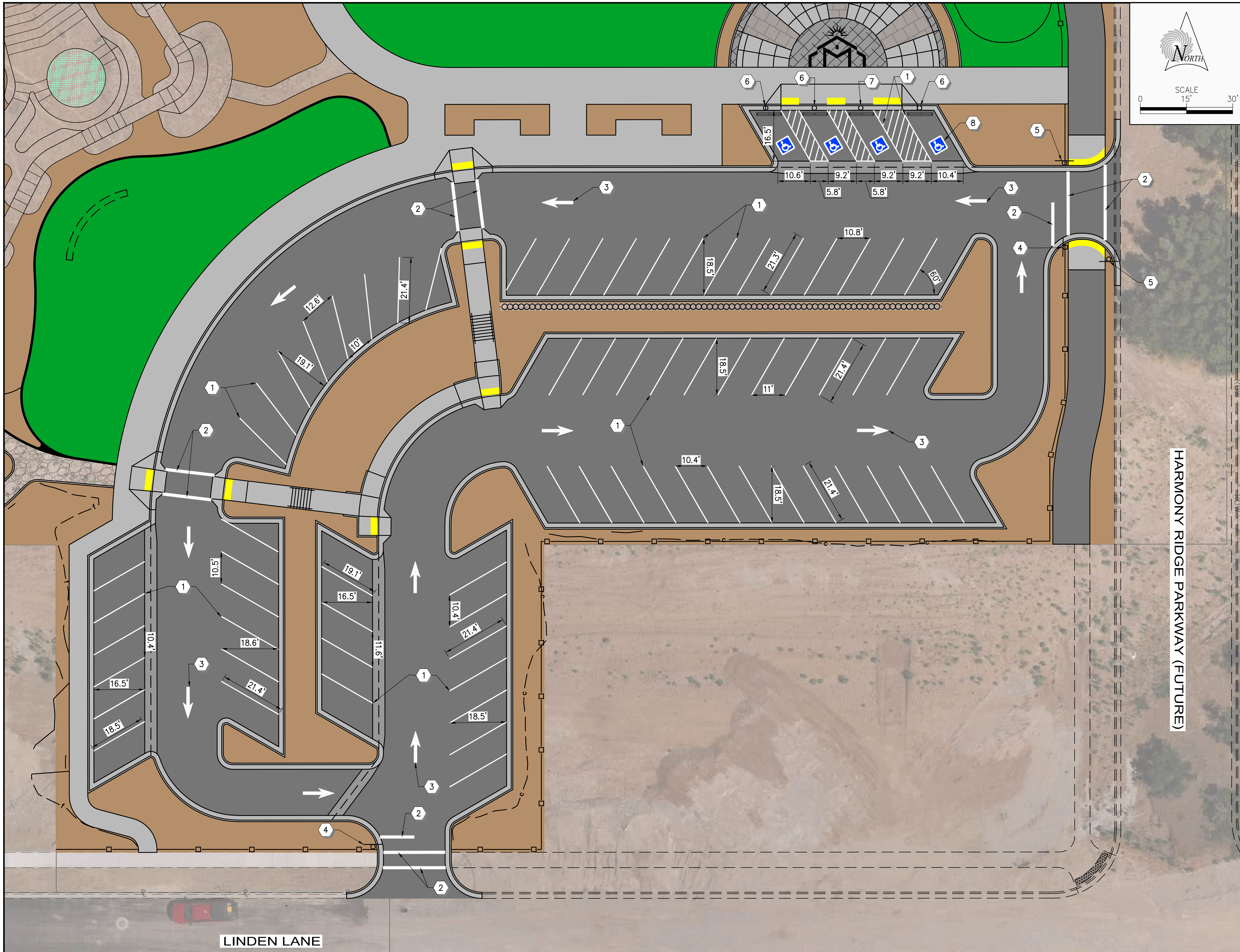
FEBRUARY 2026

MAPLETON CITY

MAPLETON BIKE PARK

DRAINAGE PLAN

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	36 of 44	DR5



GENERAL NOTES:

1. ALL SIGNING AND STRIPING MUST COMPLY WITH LOCAL, STATE, AND FEDERAL STANDARDS. THIS INCLUDES THE UTAH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND FEDERAL ADA STANDARDS.

STRIPING PLAN NOTES

1. 4" SOLID WHITE LINE
2. 12" SOLID WHITE LINE
3. PAVEMENT MESSAGE
4. STOP SIGN ASSEMBLY
5. TRAIL STOP SIGN ASSEMBLY PER J/D4
6. ADA PARKING SIGN ASSEMBLY PER K/D4
7. ADA PARKING WITH VAN ACCESSIBLE PLAQUE SIGN PER K/D4
8. PAINTED ADA SYMBOL PER F/D4

PROFESSIONAL ENGINEER
No. 13511625
TAYLOR C. TORGERSEN
6 FEB. 2026
STATE OF UTAH

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MAPLETON CITY

MAPLETON BIKE PARK

STRIPING PLAN

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	37 of 44	ST1

FEBRUARY 2026

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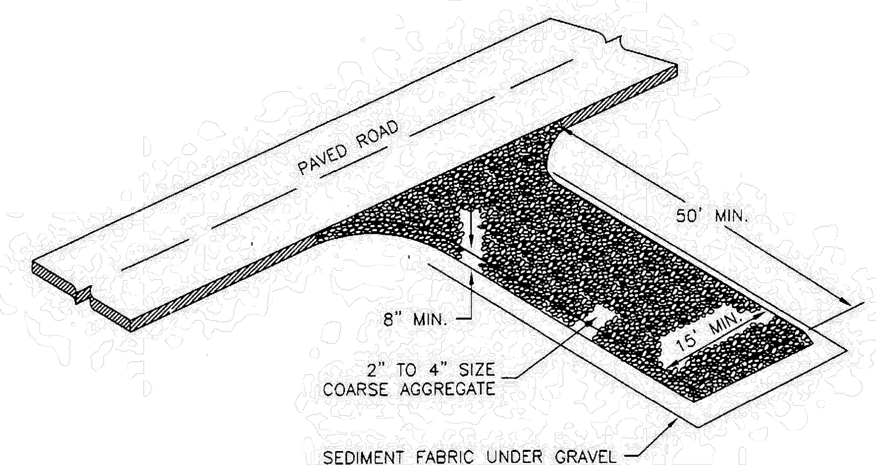
NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



APWA Utah Chapter

Stabilized roadway entrance

Plan 126

February 2006

A — STABILIZED ROADWAY ENTRANCE

NOT TO SCALE

NOTES

1. DETAIL PROVIDED FOR REFERENCE ONLY. FOR COMPLETE DETAIL, NOTES, SPECIFICATIONS, ETC., SEE UTAH APWA STANDARDS & SPECIFICATIONS (MOST CURRENT EDITION).

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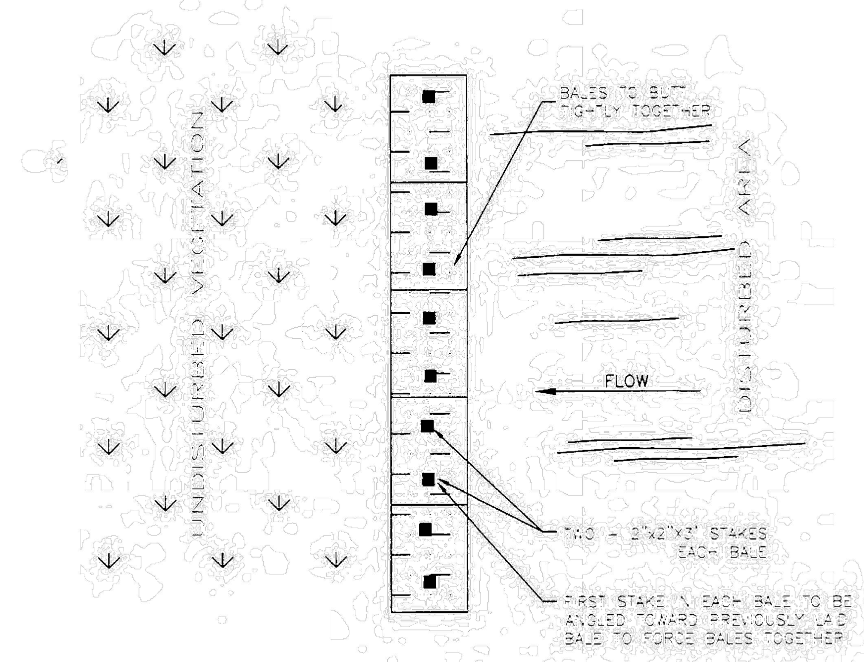
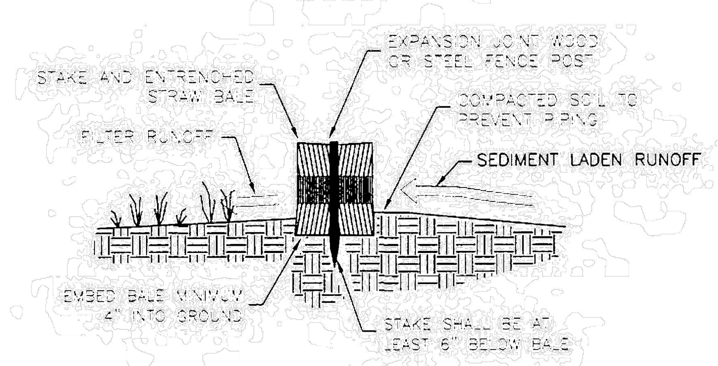


PLAN



SECTION

APWA Utah Chapter

Straw bale barrier

Plan 121

February 2006

B — STRAW BALE BARRIER

NOT TO SCALE

NOTES

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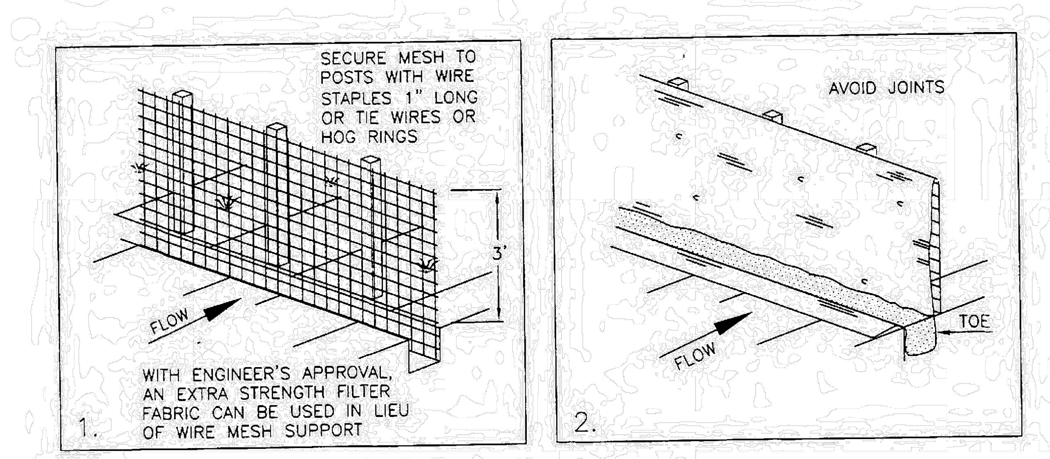
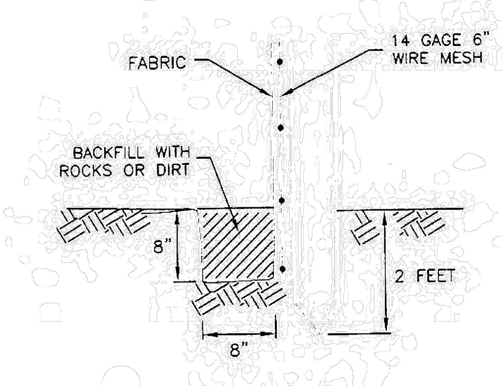


INSTALLATION SEQUENCE



TOE DETAIL

APWA Utah Chapter

Silt fence

Plan 122

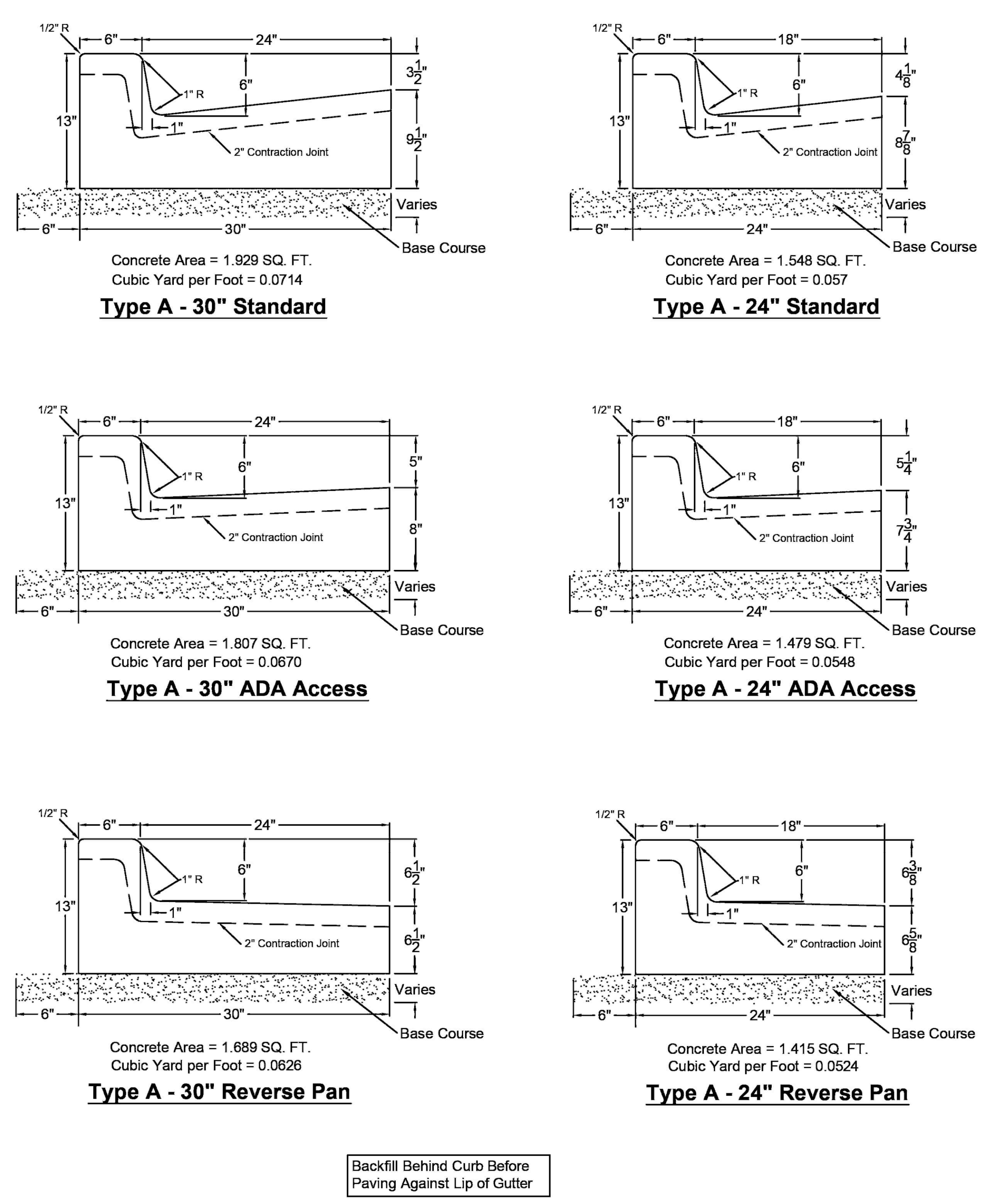
February 2006

C — SILT FENCE

NOT TO SCALE

NOTES

1. DETAIL PROVIDED FOR REFERENCE ONLY. FOR COMPLETE DETAIL, NOTES, SPECIFICATIONS, ETC., SEE UTAH APWA STANDARDS & SPECIFICATIONS (MOST CURRENT EDITION).



APWA AMERICAN PUBLIC WORKS ASSOCIATION

Type A Curb and Gutter

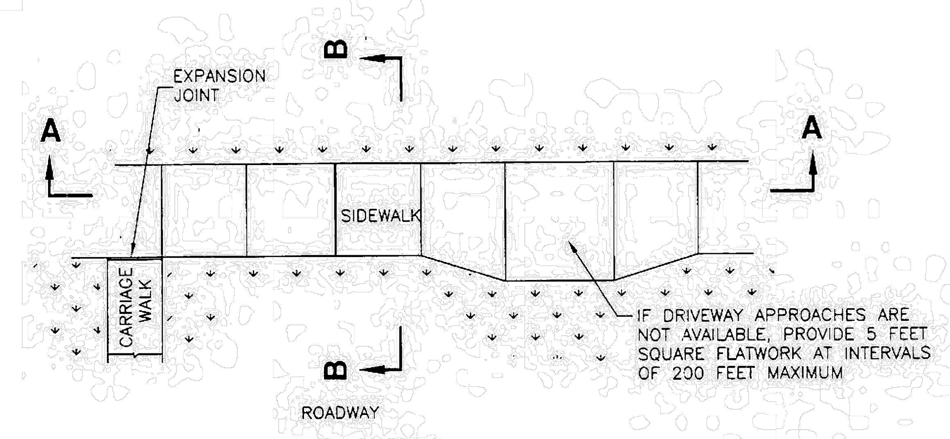
Plan **205.1**

D — TYPE A CURB & GUTTER

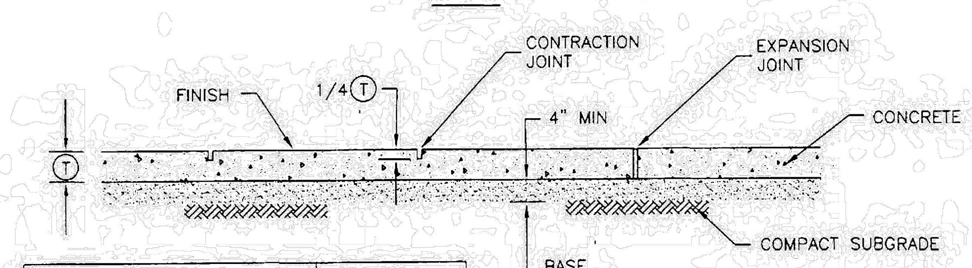
NOT TO SCALE

NOTES

1. DETAIL PROVIDED FOR REFERENCE ONLY. FOR COMPLETE DETAIL, NOTES, SPECIFICATIONS, ETC., SEE UTAH APWA STANDARDS & SPECIFICATIONS (MOST CURRENT EDITION).



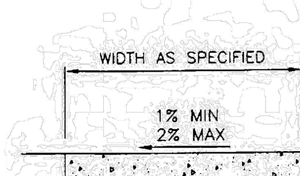
PLAN



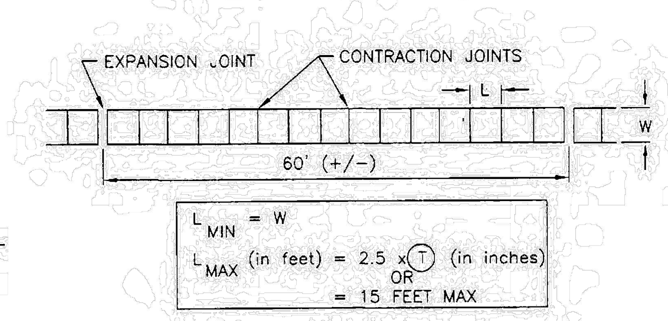
STREET TYPE	T
RESIDENTIAL (WITH PARK STRIP)	4"
RESIDENTIAL (NO PARK STRIP)	6"
OTHER	
REPLACING EXISTING SIDEWALK	MATCH EXISTING (4" MIN.)

SEE DRIVEWAY APPROACH PLANS FOR SIDEWALK THICKNESS AT DRIVEWAYS

SECTION A-A



SECTION B-B



SIDEWALK JOINT DETAIL

APWA Utah Chapter

Sidewalk

Plan 231

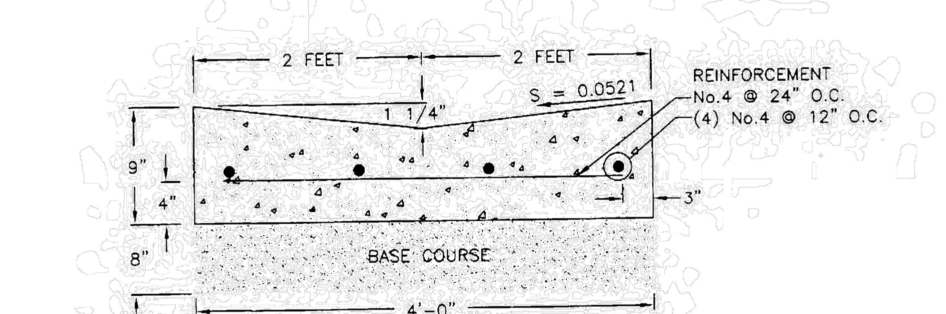
March 2009

E — SIDEWALK

NOT TO SCALE

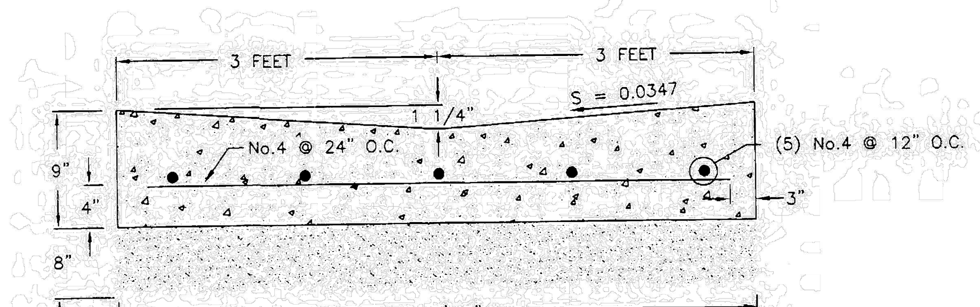
NOTES

1. DETAIL PROVIDED FOR REFERENCE ONLY. FOR COMPLETE DETAIL, NOTES, SPECIFICATIONS, ETC., SEE UTAH APWA STANDARDS & SPECIFICATIONS (MOST CURRENT EDITION).



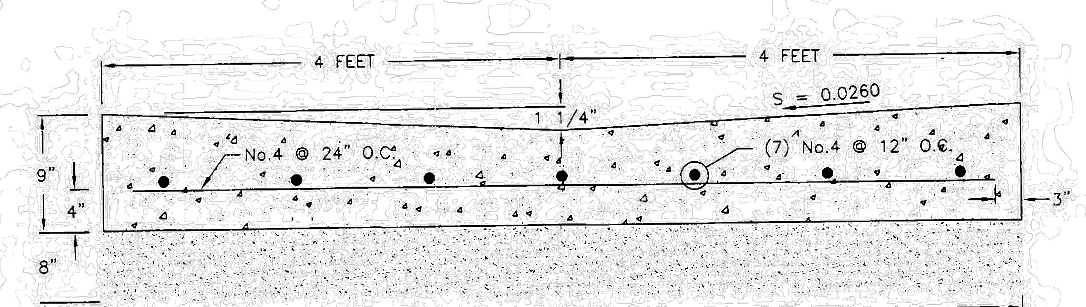
4'-0" WATERWAY

CONCRETE AREA = 2.583 SQ. FT.



6'-0" WATERWAY

CONCRETE AREA = 3.875 SQ. FT.



8'-0" WATERWAY

CONCRETE AREA = 5.166 SQ. FT.

APWA Utah Chapter

Waterway

Plan 211

July 2011

F — WATERWAY

NOT TO SCALE

NOTES

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MAPLETON CITY

MAPLETON BIKE PARK

DETAILS

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	38 of 44	D1

FEBRUARY 2026

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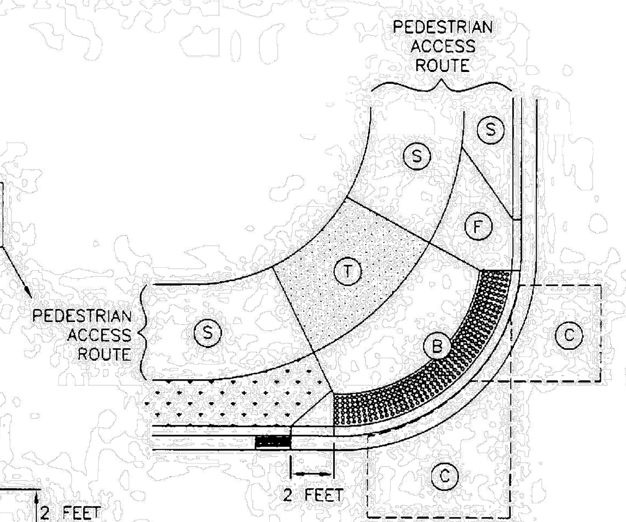
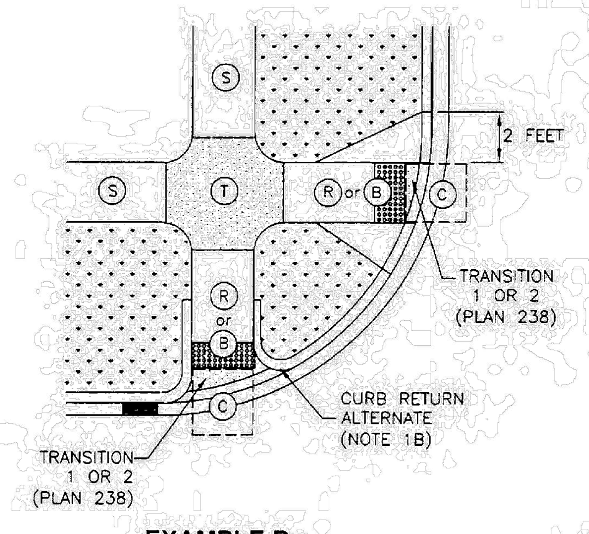
TURNING SPACE AT SIDEWALK LEVEL

THE LOCATION OF THE PEDESTRIAN ACCESS ROUTE AFFECTS FLARE SLOPE CONSTRUCTION.



EXAMPLE A



EXAMPLE B

ELEMENT	DIMENSION
(R) (B)	4 FEET WIDE MINIMUM
(C) (T)	4 FEET SQUARE MINIMUM

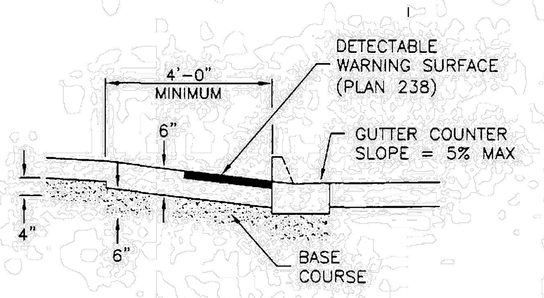
WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS

	RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE (T)	2	2
CURB RAMP (R)	8.33	2 (c)
BLENDED TRANSITION (B)	5	2 (c)
CLEAR SPACE (C)	5	2 (c)
SIDEWALK (S)	STREET GRADE	2
FLARE (F)	10	--

(a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB
(b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL
(c) SLOPE MAY EQUAL STREET OR HIGHWAY GRADE AT CROSSWALKS THAT ARE WITHOUT VEHICULAR YIELD OR STOP CONTROL

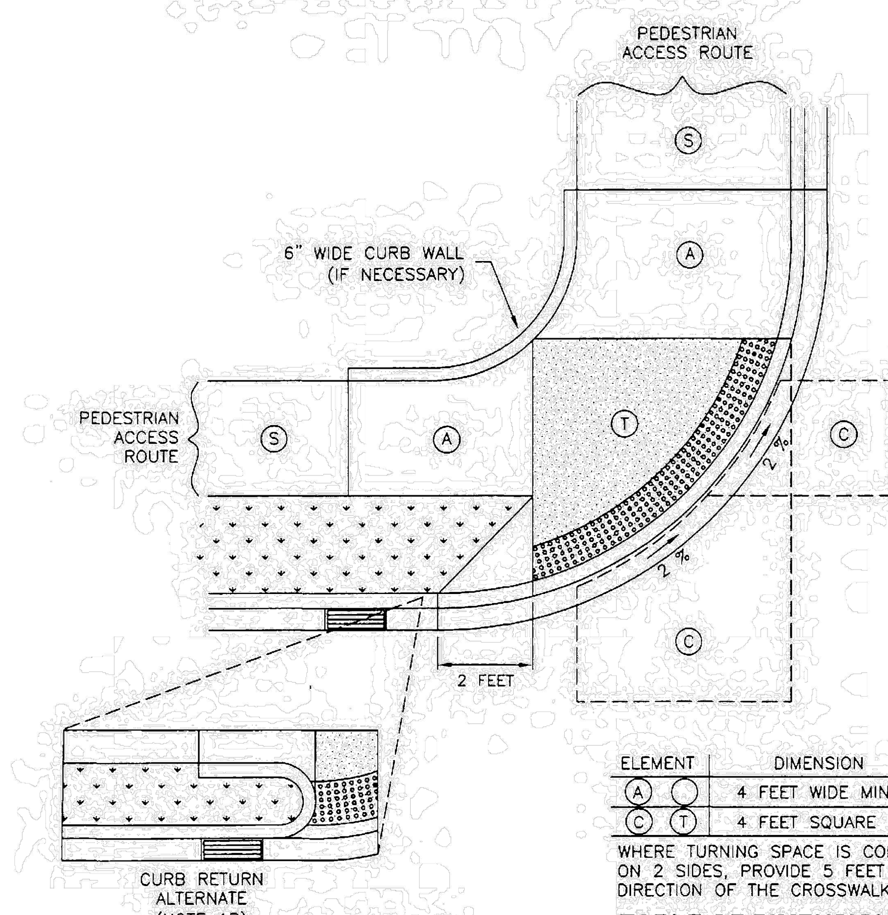
SLOPE TABLE



MATERIALS

APWA Utah Chapter — *Corner curb cut assembly* — Plan **235.1** September 2011

TURNING SPACE AT STREET LEVEL



EXAMPLE D

ELEMENT	DIMENSION
(A) ( )	4 FEET WIDE MINIMUM
(C) (T)	4 FEET SQUARE MINIMUM

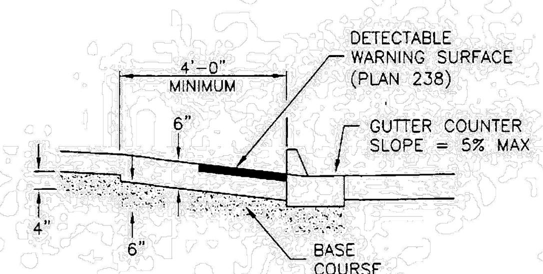
WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS

	RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE (T)	2	2
CLEAR SPACE (C)	5	2 (c)
SIDEWALK (S)	STREET GRADE	2
APPROACH (A)	8.33	2

(a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB
(b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL

SLOPE TABLE

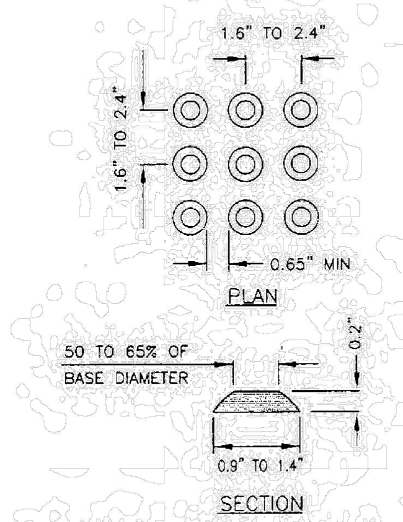


MATERIALS

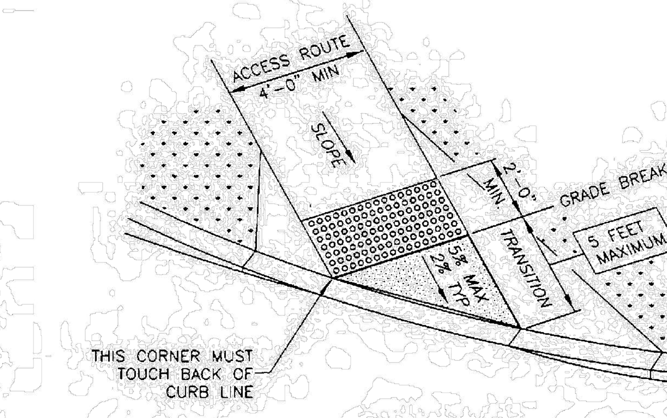
APWA Utah Chapter — *Corner curb cut assembly* — Plan **235.3** August 2011

(A) CORNER CURB CUT ASSEMBLY
NOT TO SCALE

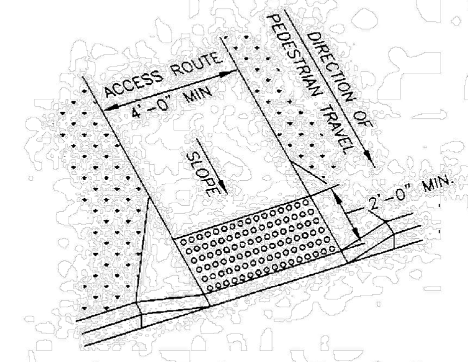
NOTES
1. DETAIL PROVIDED FOR REFERENCE ONLY. FOR COMPLETE DETAIL, NOTES, SPECIFICATIONS, ETC., SEE UTAH APWA STANDARDS & SPECIFICATIONS (MOST CURRENT EDITION).

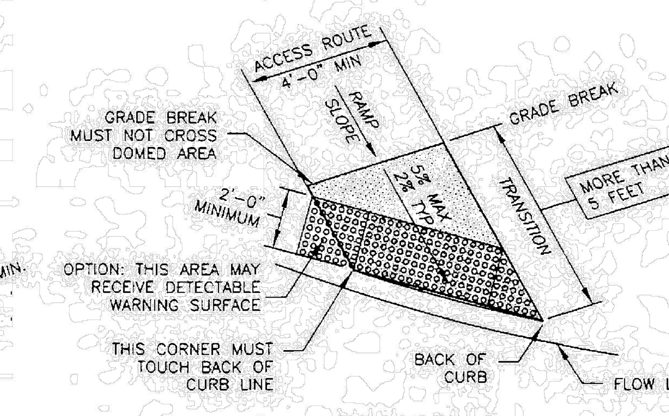


TRUNCATED DOME DETAIL



TRANSITION 1

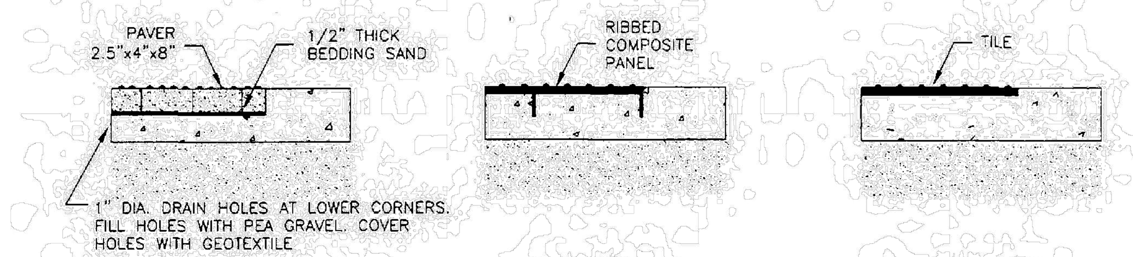




TRANSITION 2

PERPENDICULAR ASSEMBLY

NON-PERPENDICULAR ASSEMBLY



STYLE P

STYLE R

STYLE T

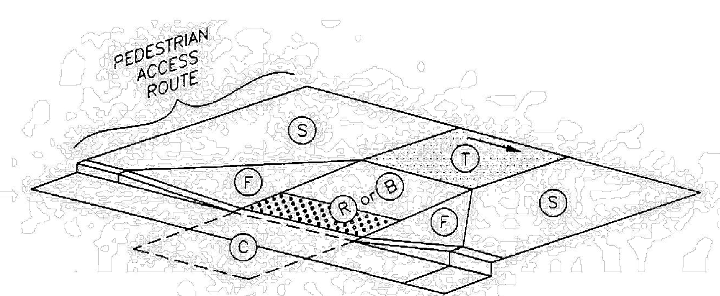
APWA Utah Chapter — *Detectable warning surface* — Plan **238** July 2011

(C) DETECTABLE WARNING SURFACE
NOT TO SCALE

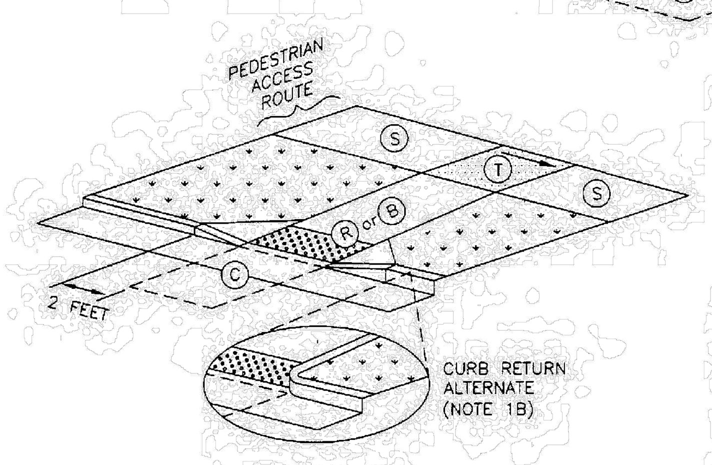
NOTES
1. DETAIL PROVIDED FOR REFERENCE ONLY. FOR COMPLETE DETAIL, NOTES, SPECIFICATIONS, ETC., SEE UTAH APWA STANDARDS & SPECIFICATIONS (MOST CURRENT EDITION).

TURNING SPACE AT SIDEWALK LEVEL

THE LOCATION OF THE PEDESTRIAN ACCESS ROUTE AFFECTS FLARE SLOPE CONSTRUCTION.



EXAMPLE 1



EXAMPLE 2

ELEMENT	DIMENSION
(R) (B)	4 FEET WIDE MINIMUM
(C) (T)	4 FEET SQUARE MINIMUM

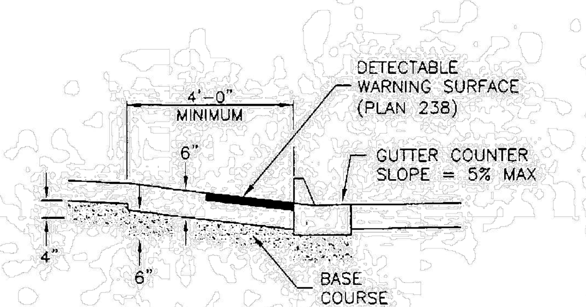
WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS

	RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE (T)	STREET GRADE	2
CURB RAMP (R)	8.33	2 (c)
BLENDED TRANSITION (B)	5	2 (c)
CLEAR SPACE (C)	5	2 (c)
SIDEWALK (S)	STREET GRADE	2
FLARE (F)	10	--

(a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB
(b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL

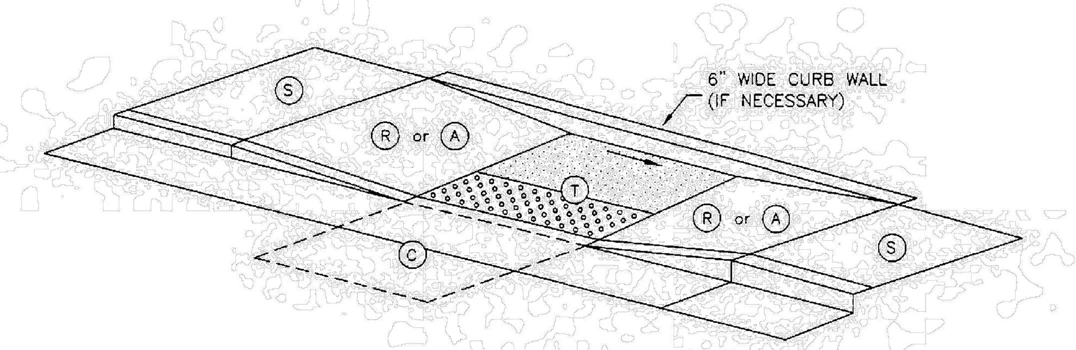
SLOPE TABLE



MATERIALS

APWA Utah Chapter — *Mid-block curb cut assembly* — Plan **236.1** September 2011

TURNING SPACE AT STREET LEVEL



EXAMPLE 5

ELEMENT	DIMENSION
(R) (A)	4 FEET WIDE MINIMUM
(C) (T)	4 FEET SQUARE MINIMUM

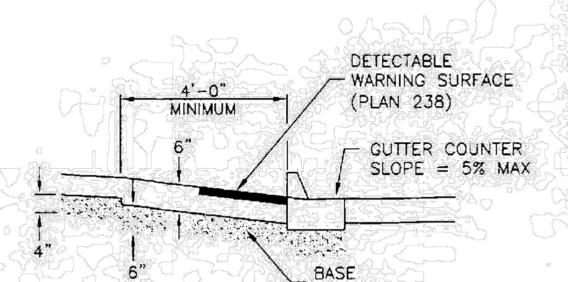
WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS

	RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE (T)	STREET GRADE	2
CURB RAMP (R)	8.33	2
CLEAR SPACE (C)	5	STREET GRADE
SIDEWALK (S)	STREET GRADE	2
APPROACHE (A)	8.33	2

(a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB
(b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL

SLOPE TABLE

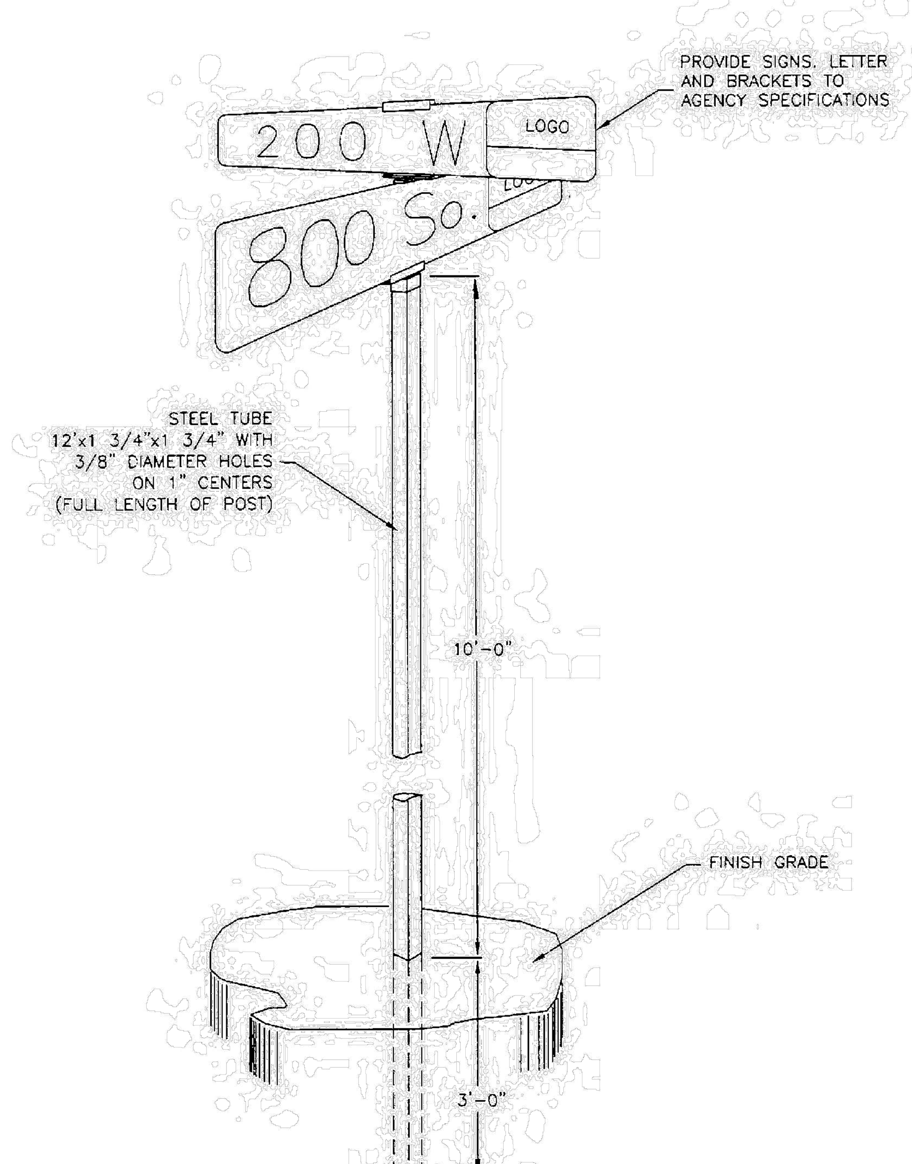


MATERIALS

APWA Utah Chapter — *Mid-block curb cut assembly* — Plan **236.3** September 2011

(B) MID-BLOCK CURB CUT ASSEMBLY
NOT TO SCALE

NOTES
1. DETAIL PROVIDED FOR REFERENCE ONLY. FOR COMPLETE DETAIL, NOTES, SPECIFICATIONS, ETC., SEE UTAH APWA STANDARDS & SPECIFICATIONS (MOST CURRENT EDITION).



APWA Utah Chapter — *Street name signpost* — Plan **292** April 1997

(D) SIGNPOST
NOT TO SCALE

NOTES
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6 FEB. 2026
STATE OF UTAH

MAPLETON UTAH

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MAPLETON CITY
MAPLETON BIKE PARK
DETAILS

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	39 of 44	D2

FEBRUARY 2026

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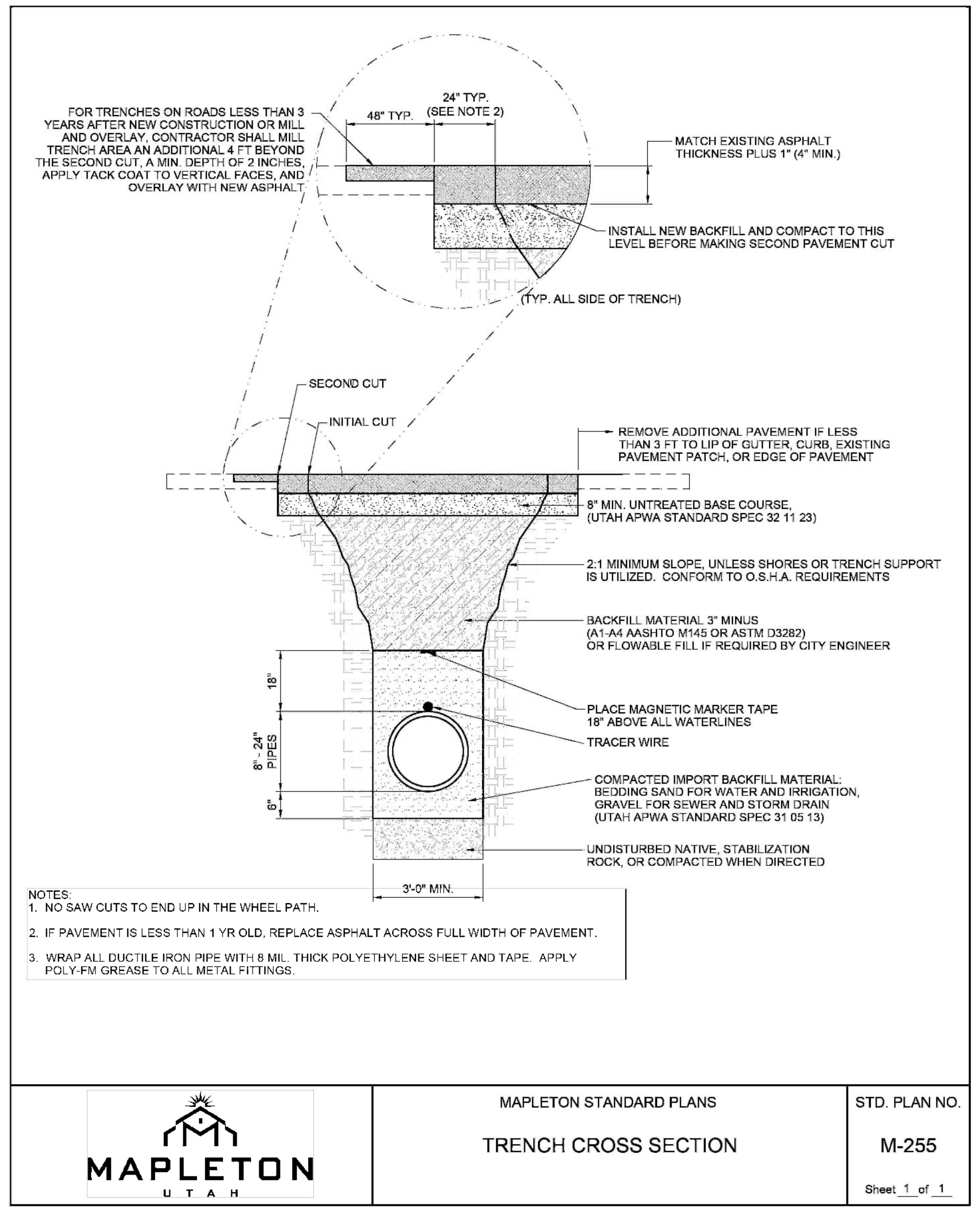
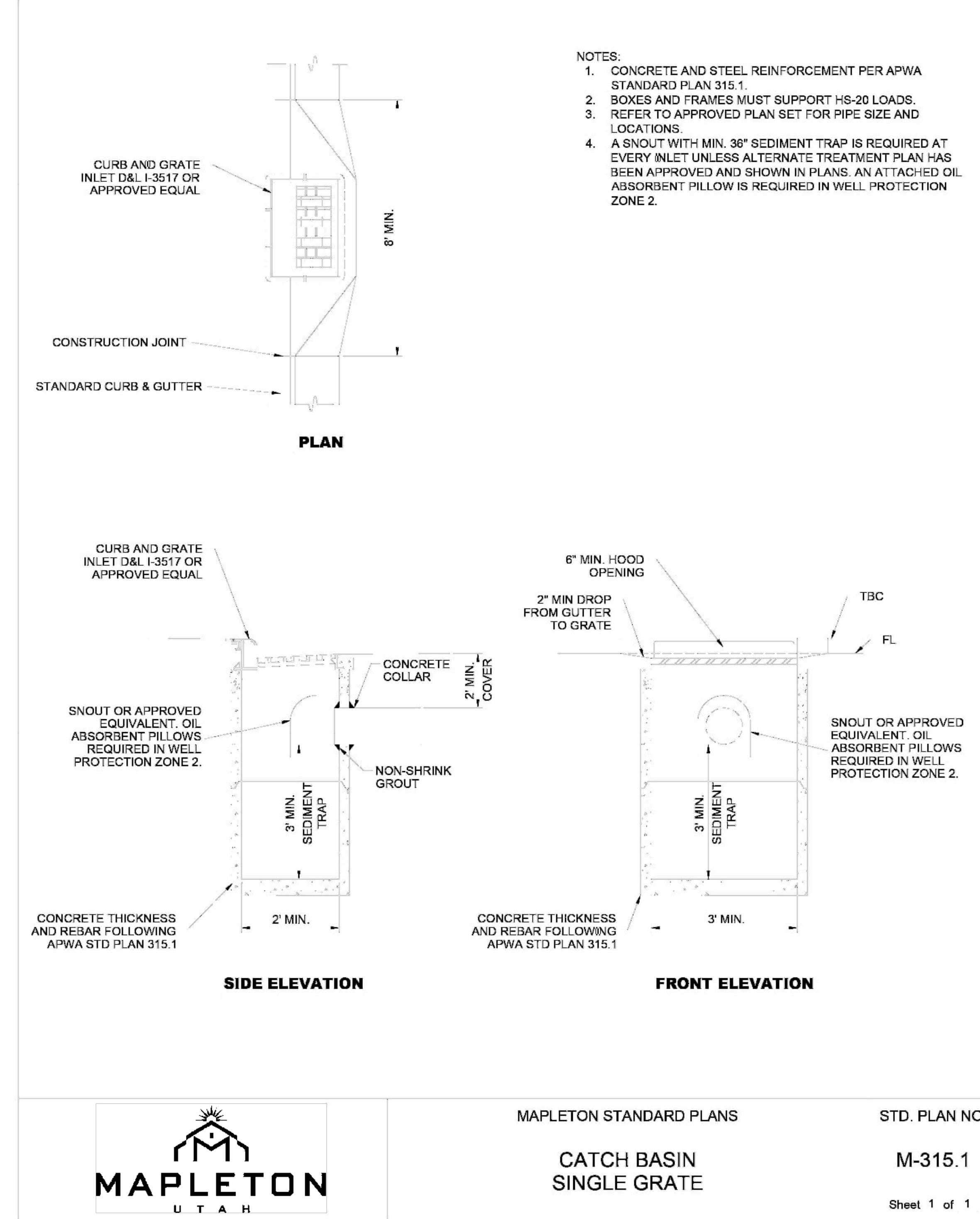


A ~ TRENCH CROSS SECTION
NOT TO SCALE

NOTES
1. DETAIL PROVIDED FOR REFERENCE ONLY. FOR COMPLETE DETAIL, NOTES, SPECIFICATIONS, ETC., SEE MAPLETON CITY STANDARDS & SPECIFICATIONS (MOST CURRENT EDITION).



B ~ CATCH BASIN SINGLE GRATE
NOT TO SCALE

NOTES
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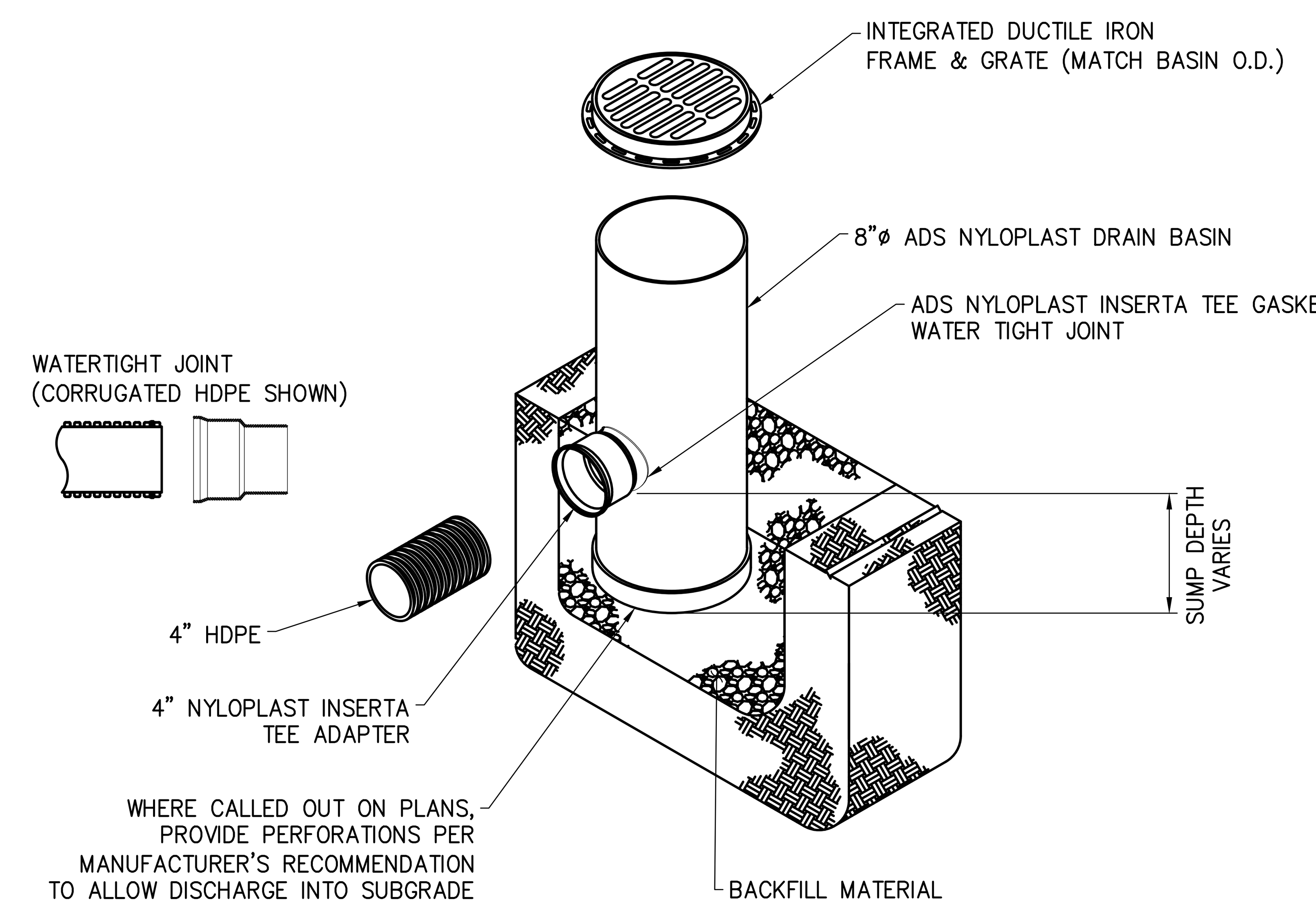
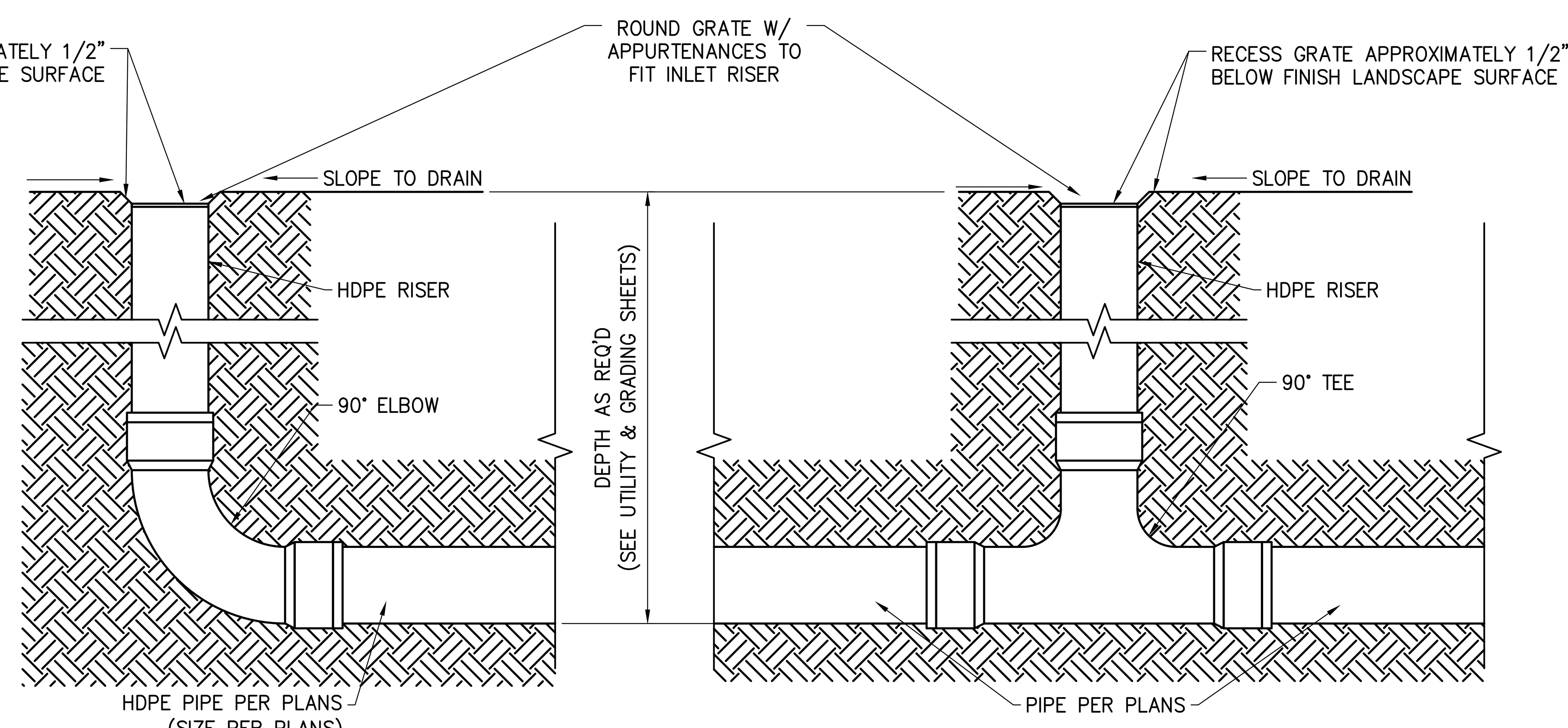


D ~ 8" FIELD DRAIN BASIN
NOT TO SCALE

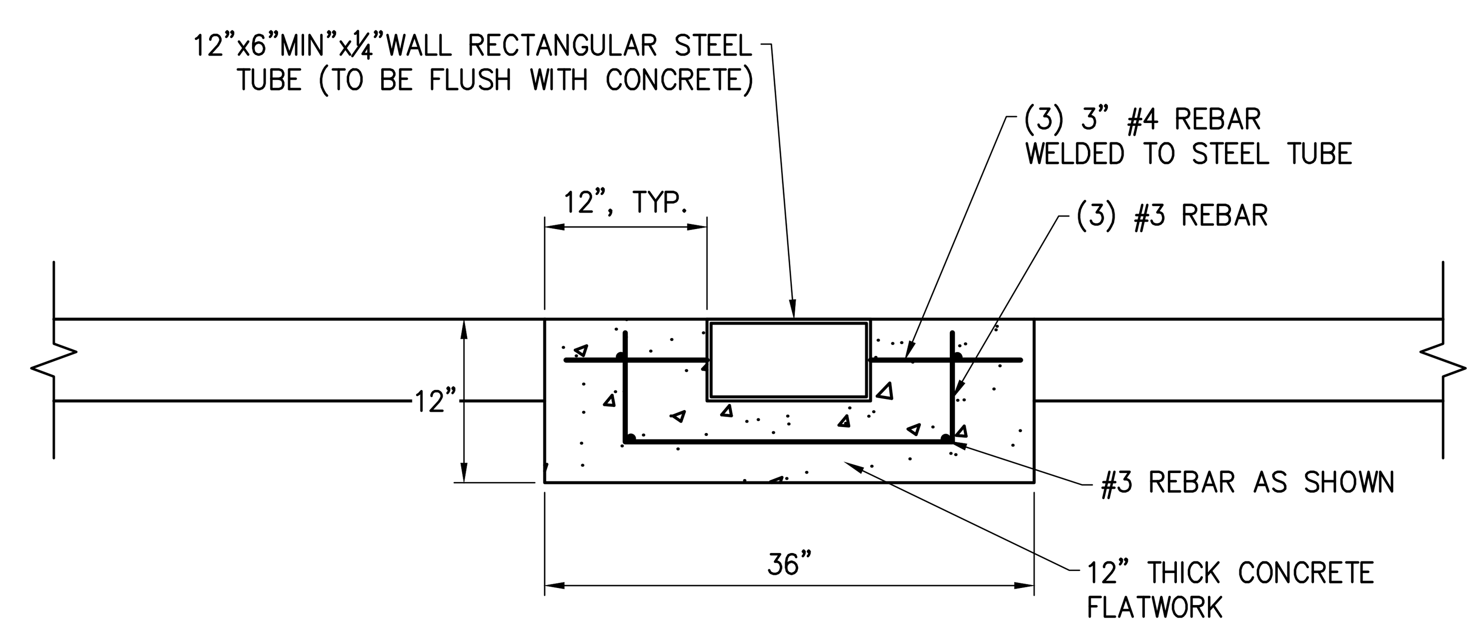
NOTES
1. BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.



C ~ 4" FIELD DRAIN INLET
NOT TO SCALE

FIELD DRAIN INLET NOTES:

1. GRATE SHALL BE CAST IRON.
2. GRATE OPENING SHALL ACCOMMODATE A MINIMUM OF 50 GALLONS PER MINUTE WITH 1/2" OF HEAD.
3. INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



E ~ STEEL TUBE CULVERT
NOT TO SCALE

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6 FEB. 2026
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MAPLETON UTAH

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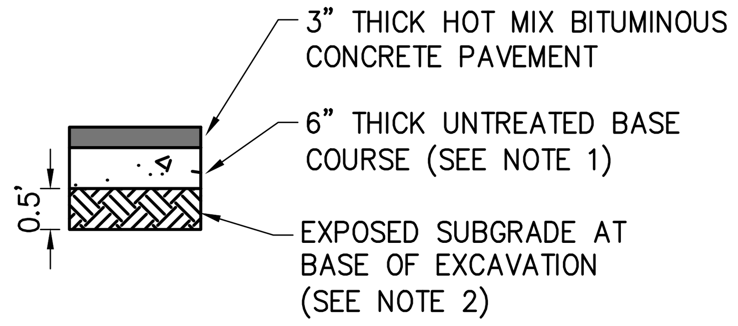
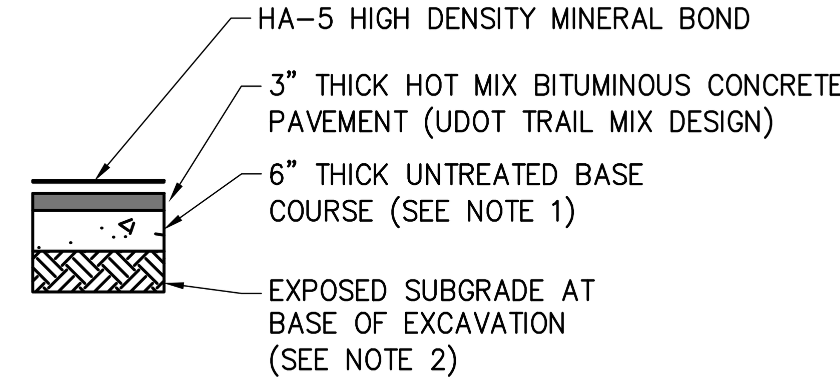


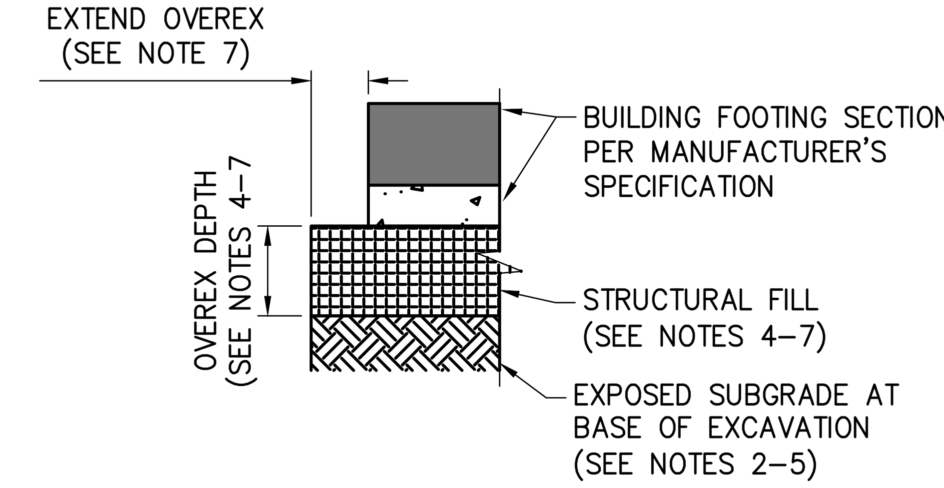
A PARKING LOT PAVEMENT SECTION
NOT TO SCALE

NOTES
1. REMOVE TOPSOIL, MANMADE FILLS (WHERE ENCOUNTERED) AND SOILS LOOSENED BY CONSTRUCTION ACTIVITIES PRIOR TO EXCAVATION AND PLACEMENT OF SITE GRADING FILLS.
2. EXPOSED SUBGRADE AT BASE OF EXCAVATION TO BE SCARIFIED TO A DEPTH OF 6", MOISTURE CONDITIONED, AND COMPACTED. SUBGRADE SHOULD BE PROOF–ROLLED TO A FIRM, NON–YIELDING CONDITION OR 90% OF MAXIMUM DRY DENSITY (ASTM D1557)
3. SOFT AREAS DETECTED DURING COMPACTION OPERATIONS SHOULD BE REMOVED AND REPLACED WITH STRUCTURAL FILL. COORDINATE WITH GEOTECHNICAL ENGINEER.



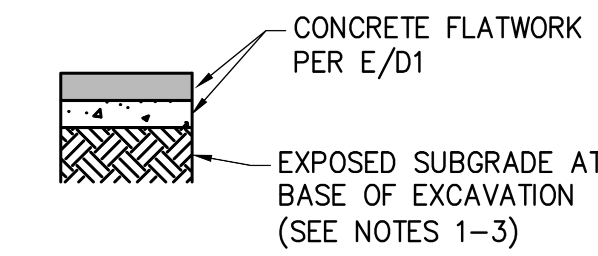
B TRAIL PAVEMENT SECTION
NOT TO SCALE

NOTES
1. REMOVE TOPSOIL, MANMADE FILLS (WHERE ENCOUNTERED) AND SOILS LOOSENED BY CONSTRUCTION ACTIVITIES PRIOR TO EXCAVATION AND PLACEMENT OF SITE GRADING FILLS.
2. EXPOSED SUBGRADE AT BASE OF EXCAVATION TO BE SCARIFIED TO A DEPTH OF 6", MOISTURE CONDITIONED, AND COMPACTED. SUBGRADE SHOULD BE PROOF–ROLLED TO A FIRM, NON–YIELDING CONDITION OR 90% OF MAXIMUM DRY DENSITY (ASTM D1557)
3. SOFT AREAS DETECTED DURING COMPACTION OPERATIONS SHOULD BE REMOVED AND REPLACED WITH STRUCTURAL FILL. COORDINATE WITH GEOTECHNICAL ENGINEER.



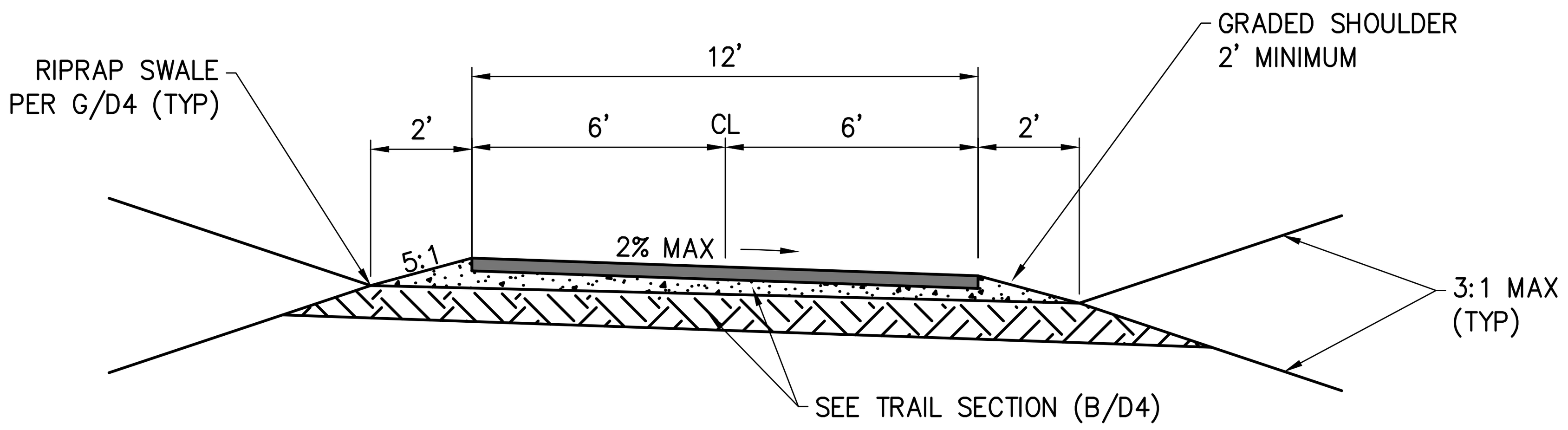
C BUILDING FOOTING SECTION
NOT TO SCALE

NOTES
1. PROPOSED STRUCTURES SHALL BE CONSTRUCTED ON SPREAD FOOTINGS. SEE GEOTECHNICAL REPORT.
2. REMOVE TOPSOIL, MANMADE FILLS (WHERE ENCOUNTERED) AND SOILS LOOSENED BY CONSTRUCTION ACTIVITIES PRIOR TO EXCAVATION AND PLACEMENT OF SITE GRADING FILLS.
3. EXPOSED SUBGRADE AT BASE OF EXCAVATION TO BE SCARIFIED TO A DEPTH OF 6", MOISTURE CONDITIONED, AND COMPACTED. SUBGRADE SHOULD BE PROOF–ROLLED TO A FIRM, NON–YIELDING CONDITION OR 90% OF MAXIMUM DRY DENSITY (ASTM D1557).
4. SOFT AREAS DETECTED DURING PROOF–ROLLING OR COMPACTION OPERATIONS SHOULD BE REMOVED AND REPLACED WITH STRUCTURAL FILL. COORDINATE WITH GEOTECHNICAL ENGINEER.
5. FOOTINGS SHOULD NOT BE INSTALLED ON LOOSE OR DISTURBED SOILS, UNDOCUMENTED FILL, TOPSOIL, CONSTRUCTION DEBRIS, FROZEN SOIL, OR WITHIN PONDED WATER. IF UNSUITABLE SOILS ARE ENCOUNTERED, THEY SHOULD BE OVER–EXCAVATED AND REPLACED WITH STRUCTURAL FILL. IF NECESSARY, STRUCTURAL FILL SHOULD BE PLACED BELOW FOOTINGS TO LEVEL THE GROUND AND SHOULD EXTEND LATERALLY BEYOND THE EDGES OF THE FOUNDATION.
6. IF REQUIRED, AT LEAST ONE FEET OF STRUCTURAL FILL SHALL BE PLACED BENEATH FOOTINGS UP TO FOUNDATION ELEVATION FOR ANY STRUCTURES IF THE SUBGRADE AT/BENEATH THE FOUNDATION DOES NOT MEET THE STRUCTURAL FILL REQUIREMENTS IN THE GEOTECHNICAL REPORT.
7. STRUCTURAL FILL PLACEMENT BELOW FOOTINGS SHALL EXTEND LATERALLY BEYOND THE EDGES OF THE FOUNDATION A MINIMUM DISTANCE EQUAL TO TWO–THIRDS (2/3) OF THE DEPTH OF THE STRUCTURAL FILL.



D CONCRETE FLATWORK SECTION
NOT TO SCALE

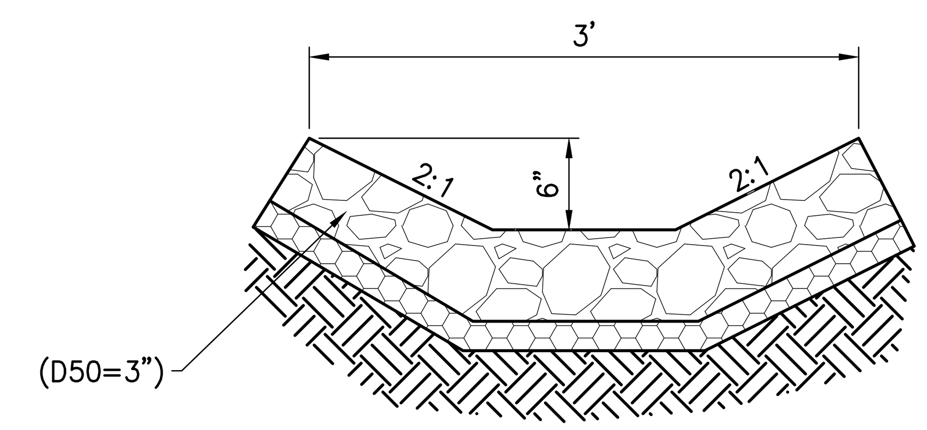
NOTES
1. REMOVE TOPSOIL, MANMADE FILLS (WHERE ENCOUNTERED) AND SOILS LOOSENED BY CONSTRUCTION ACTIVITIES PRIOR TO EXCAVATION AND PLACEMENT OF SITE GRADING FILLS.
2. EXPOSED SUBGRADE AT BASE OF EXCAVATION TO BE SCARIFIED TO A DEPTH OF 6", MOISTURE CONDITIONED, AND COMPACTED. SUBGRADE SHOULD BE PROOF–ROLLED TO A FIRM, NON–YIELDING CONDITION OR 90% OF MAXIMUM DRY DENSITY (ASTM D1557)
3. SOFT AREAS DETECTED DURING COMPACTION OPERATIONS SHOULD BE REMOVED AND REPLACED WITH STRUCTURAL FILL. COORDINATE WITH GEOTECHNICAL ENGINEER.



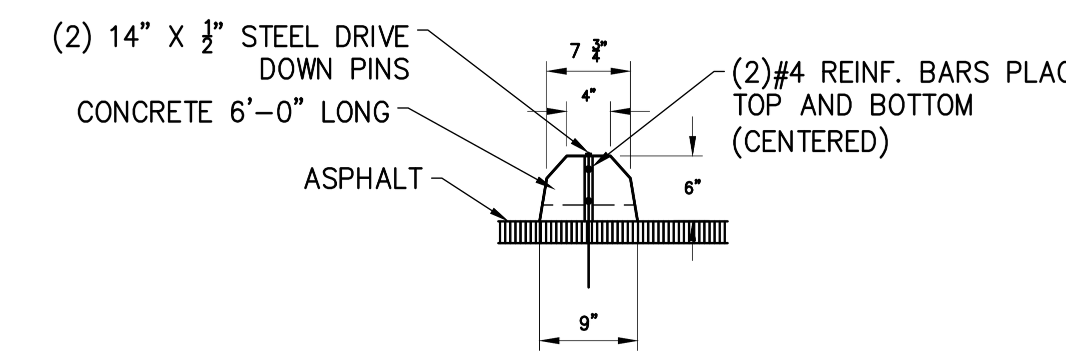
E TYPICAL SECTION - ASPHALT TRAIL
NOT TO SCALE

F PAINTED ADA SYMBOL
NOT TO SCALE

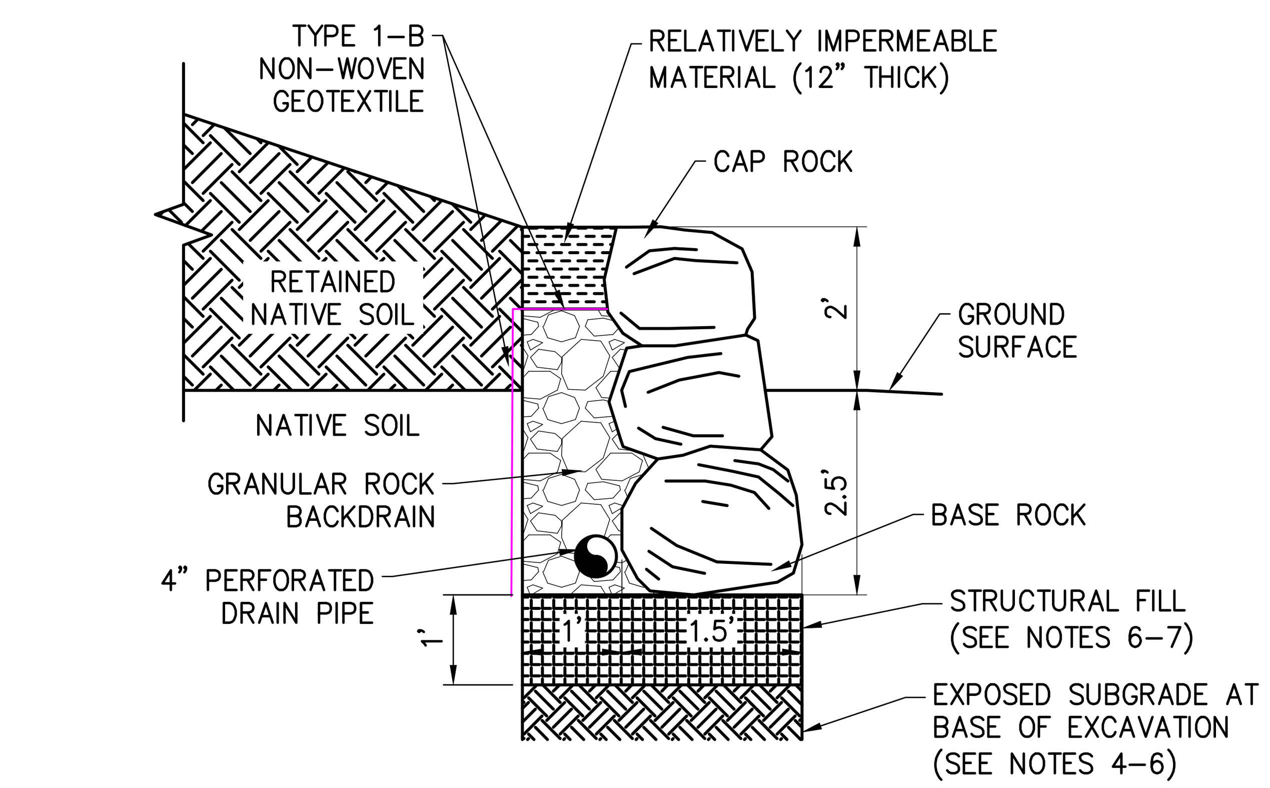
NOTE:
1. PROVIDE PAINTED ADA PARKING EMBLEM ON ASPHALT PAVING AT ALL ADA PARKING STALLS PER CITY REQUIREMENTS. PAINT TYPE AND COLOR PER SPECIFICATIONS. APPLY TWO (2) COATS.



G RIPRAP SWALE
NOT TO SCALE

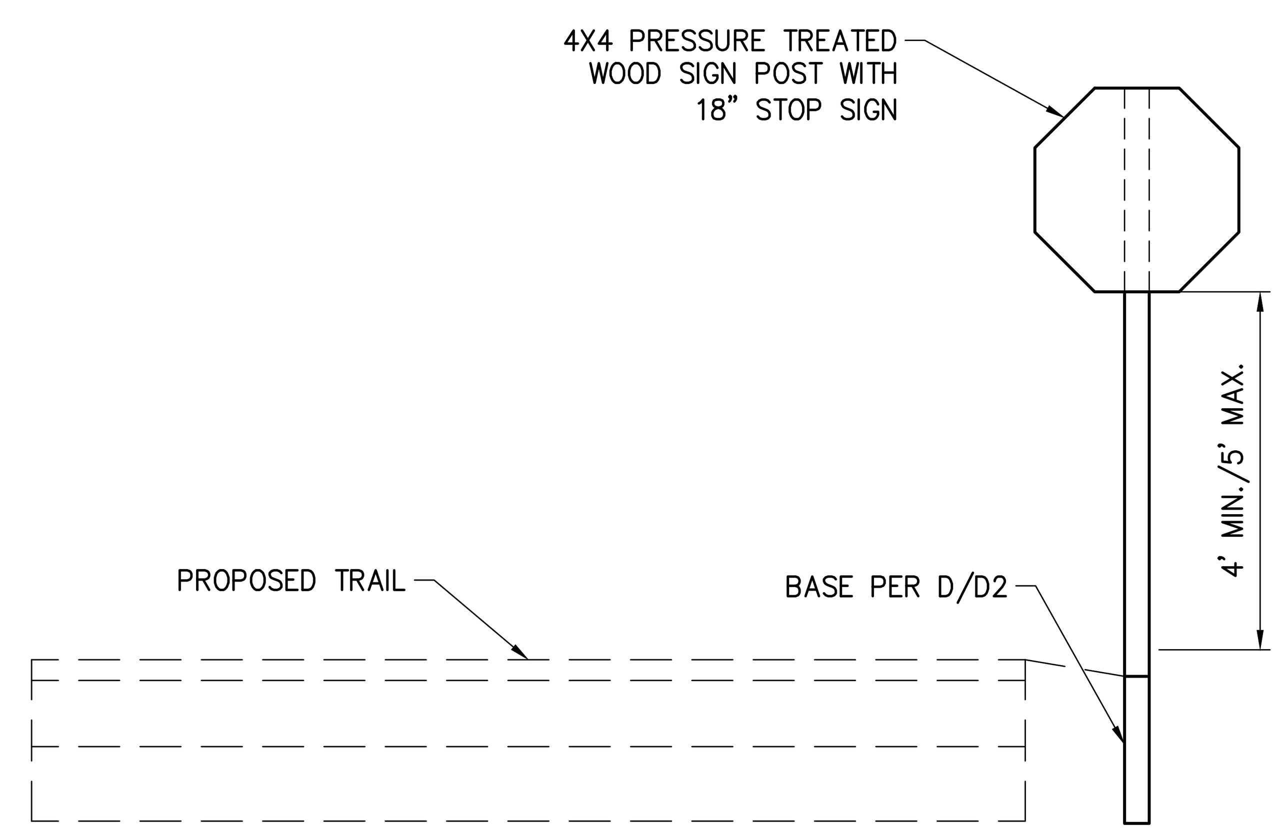


H CONCRETE WHEEL STOP
NOT TO SCALE

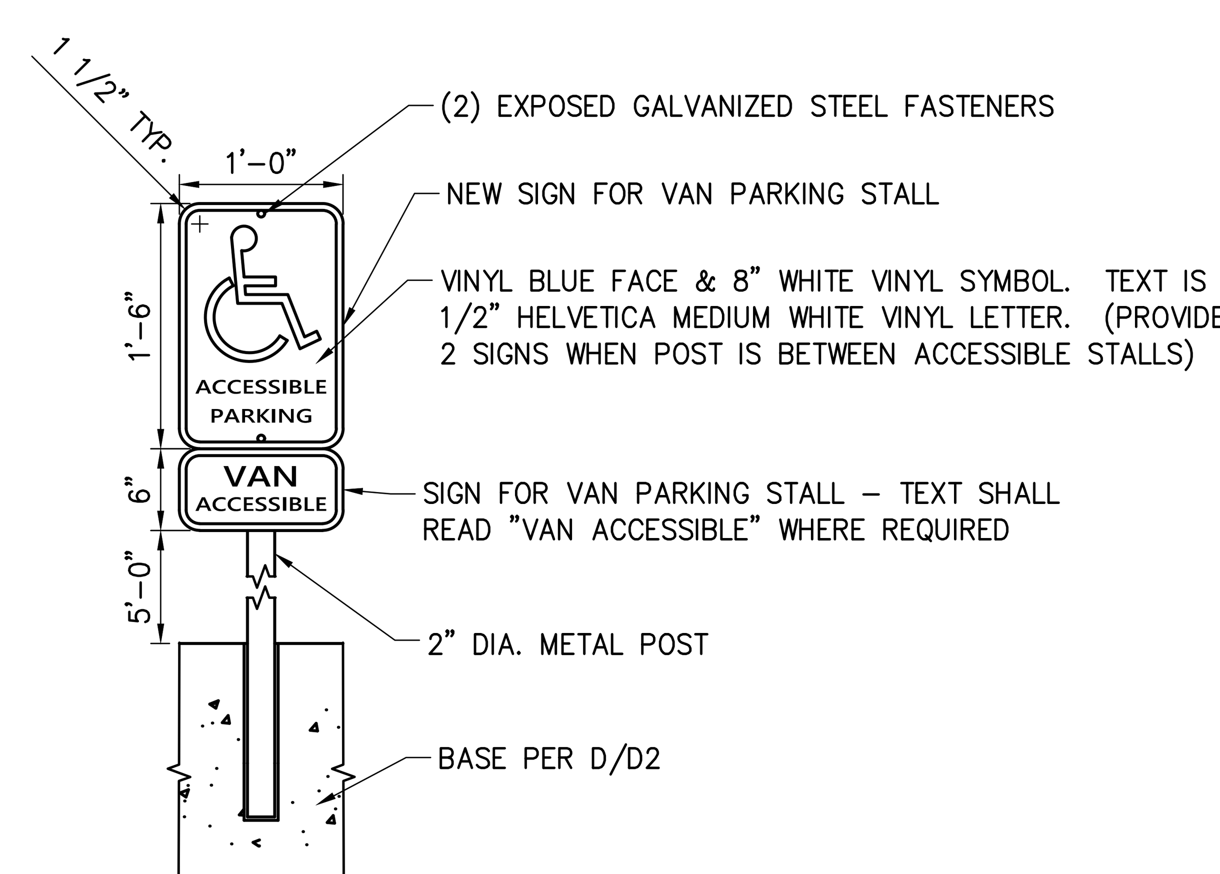


I PARKING LOT ROCKERY WALL (2' HEIGHT)
NOT TO SCALE

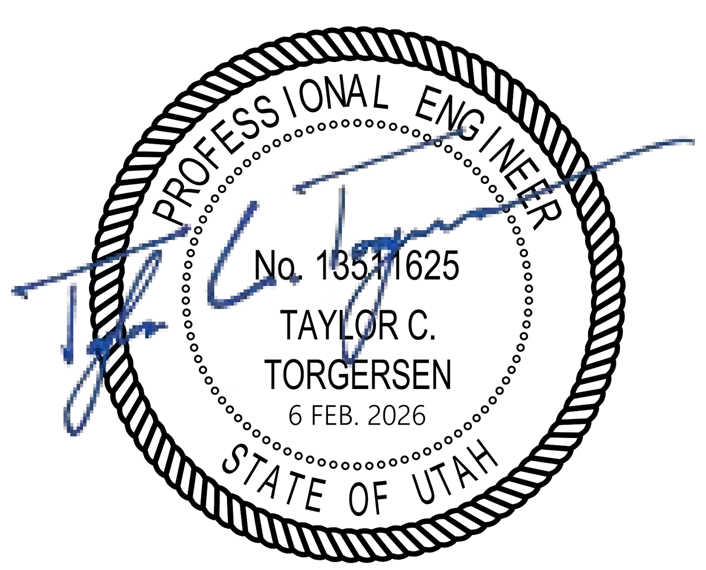
NOTES
1. ROCKS TO BE USED FOR THE ROCKERY CONSTRUCTION SHALL CONSIST OF HARD, ANGULAR AND DURABLE INTACT BLOCKS WITHOUT OPEN FRACTURES, FOLIATION, OR OTHER PLANES OF WEAKNESS AND SHALL CONFORM TO THE REQUIREMENTS OF THE GEOTECHNICAL REPORT.
2. MATERIALS AND INSTALLATION SHALL CONFORM WITH THE PROJECT GEOTECHNICAL REPORT.
3. AS THE ROCKERY IS CONSTRUCTED, PLACE THE ROCKS SO THAT THERE ARE NO CONTINUOUS JOINTS IN EITHER THE VERTICAL OR LATERAL DIRECTION.
4. REMOVE TOPSOIL, MANMADE FILLS (WHERE ENCOUNTERED) AND SOILS LOOSENED BY CONSTRUCTION ACTIVITIES PRIOR TO EXCAVATION AND PLACEMENT OF SITE GRADING FILLS.
5. EXPOSED SUBGRADE AT BASE OF EXCAVATION TO BE SCARIFIED TO A DEPTH OF 6", MOISTURE CONDITIONED, AND COMPACTED. SUBGRADE SHOULD BE PROOF–ROLLED TO A FIRM, NON–YIELDING CONDITION OR 90% OF MAXIMUM DRY DENSITY (ASTM D1557)
6. SOFT AREAS DETECTED DURING COMPACTION OPERATIONS SHOULD BE REMOVED AND REPLACED WITH STRUCTURAL FILL. COORDINATE WITH GEOTECHNICAL ENGINEER.
7. PLACE THE FIRST COURSE OF ROCK (BASE ROCK) ON FIRM, UNYIELDING SOIL OR BEDROCK WITH FULL CONTACT BETWEEN THE ROCK AND THE SUBGRADE. EXCAVATE ANY LOOSE, SOFT OR OTHERWISE UNSUITABLE MATERIAL PRESENT AT FOUNDATION GRADE AND REPLACE WITH FOUNDATION FILL.



J TRAIL STOP SIGN ASSEMBLY
NOT TO SCALE



K ACCESSIBLE PARKING SIGN
NOT TO SCALE



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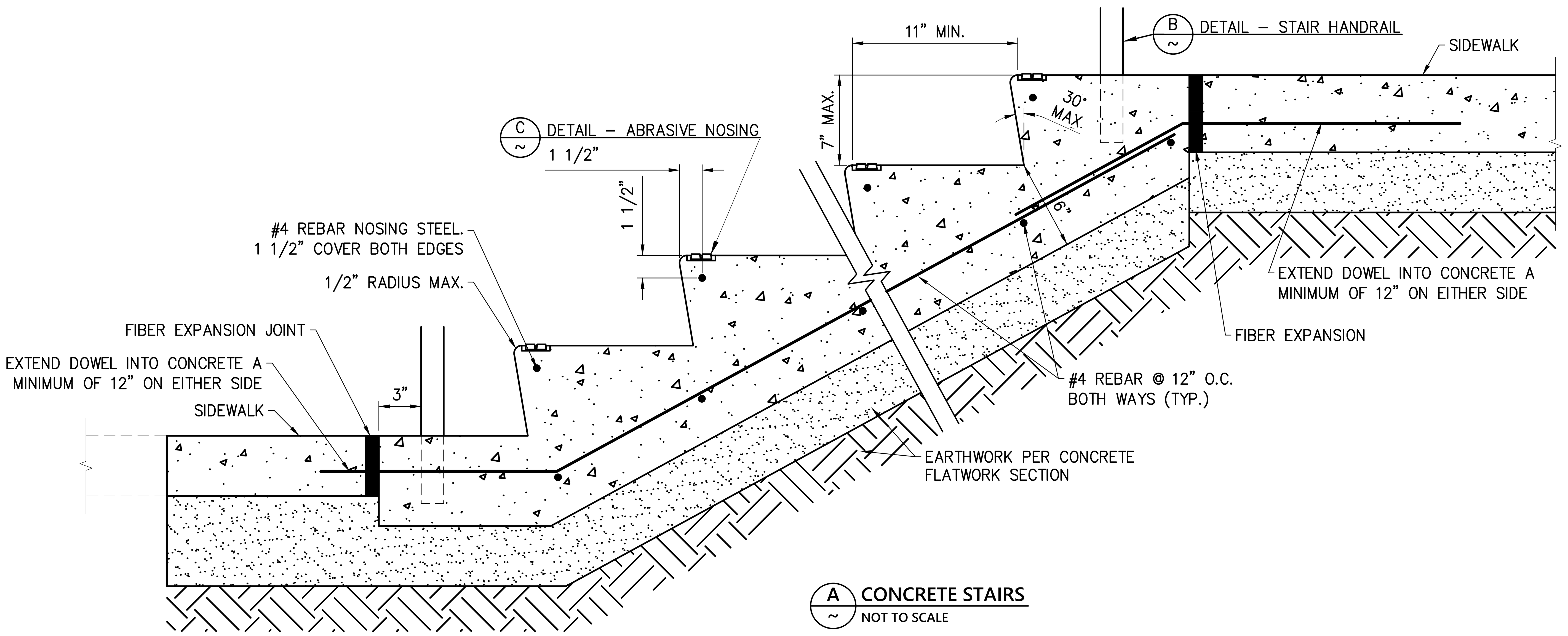
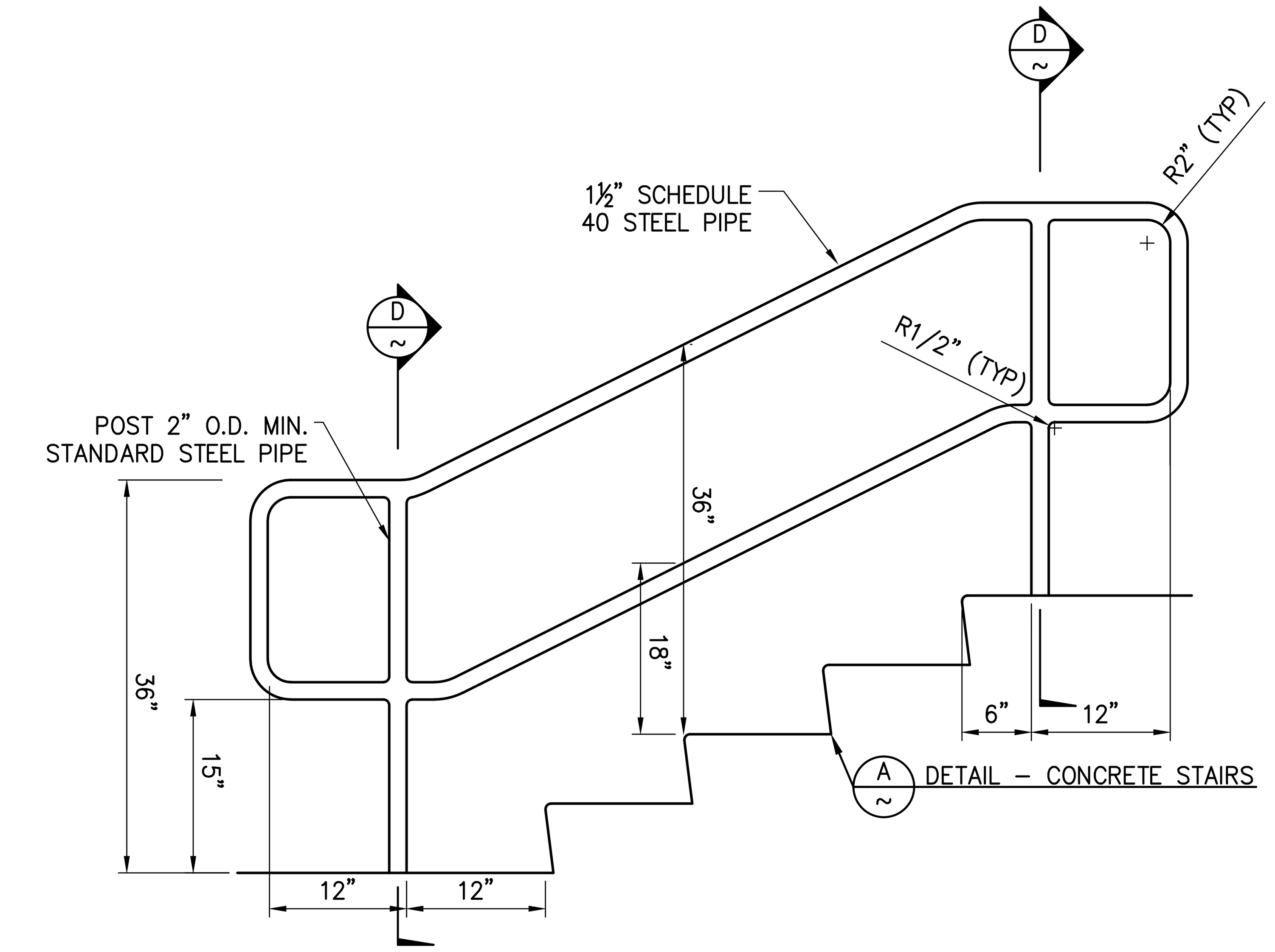


A CONCRETE STAIRS
NOT TO SCALE



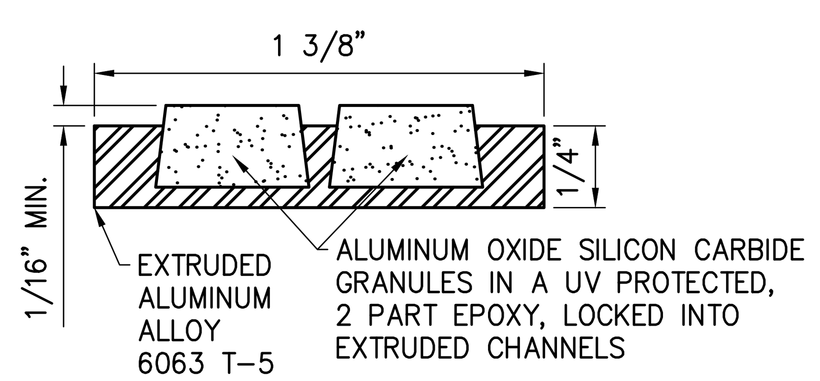
B STAIR HANDRAIL
NOT TO SCALE

CONCRETE STAIRS NOTES:

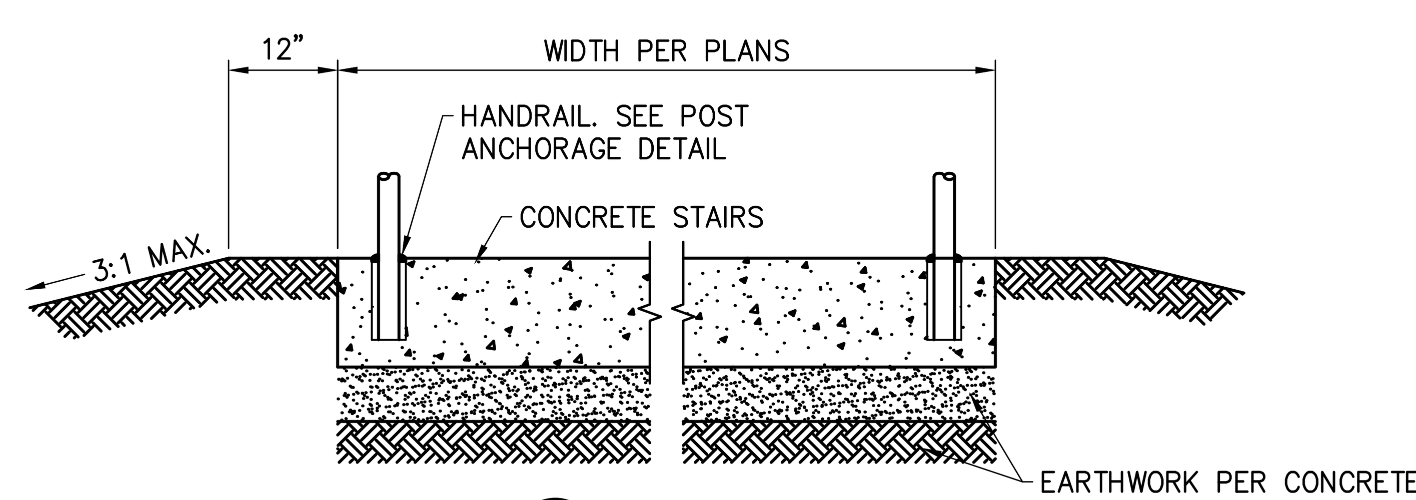
1. STAIRWAYS SHALL HAVE CONTINUOUS HANDRAILS ON BOTH SIDES OF STAIRS PER STAIR HANDRAIL DETAILS.
2. PROVIDE 1/2 INCH RADIUS ON ALL EXPOSED CONCRETE EDGES.
3. STAIRS SHALL BE CONSTRUCTED SUCH THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.
4. STAIRS SHALL NOT HAVE A VERTICAL RISE OF GREATER THAN 12 FEET BETWEEN LANDINGS.
5. STAIR TREADS AND RISERS SHALL BE OF UNIFORM SIZE AND SHAPE. THE TOLERANCE BETWEEN THE LARGEST AND SMALLEST RISER OR BETWEEN THE LARGEST AND SMALLEST TREAD SHALL NOT EXCEED 0.375 INCH IN ANY FLIGHT OF STAIRS.
6. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL NOT BE GREATER THAN 0.5 INCH.
7. RISERS SHALL BE VERTICAL OR SLOPED FROM THE UNDERSIDE OF THE LEADING EDGE OF THE TREAD ABOVE AT AN ANGLE NOT MORE THAN 30 DEGREES FROM THE VERTICAL.
8. THE LEADING EDGE (NOSINGS) OF TREADS SHALL PROJECT NOT MORE THAN 1.25 INCHES BEYOND THE TREAD BELOW AND ALL PROJECTIONS OF THE LEADING EDGES SHALL BE OF UNIFORM SIZE.
9. THE WALKING SURFACE OF TREADS SHALL NOT BE SLOPED STEEPER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2-PERCENT SLOPE) IN ANY DIRECTION.

STAIR HANDRAIL NOTES:

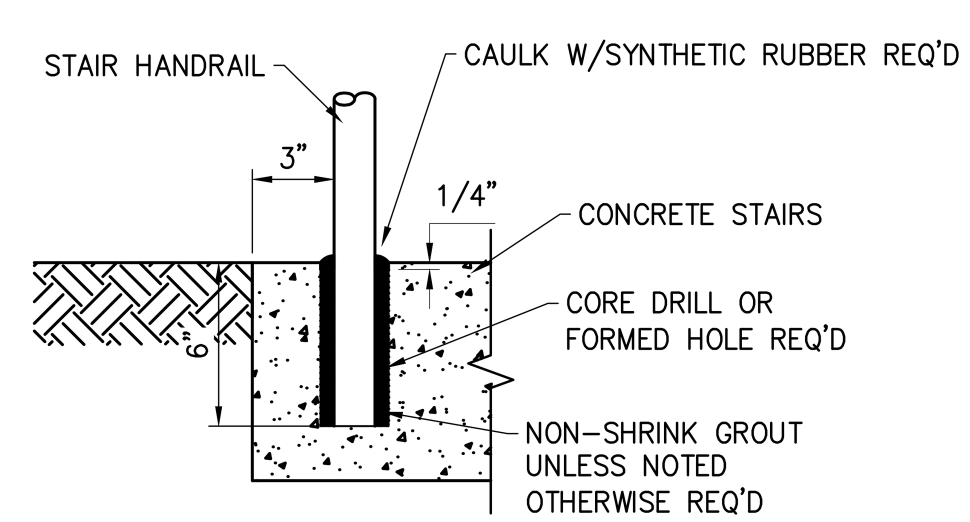
1. ALL PIPE SHALL BE SCHEDULE 40 STEEL POWDER COATED BLACK AFTER FABRICATION.
2. WELDED JOINTS SHALL BE GROUND SMOOTH.
3. HANDRAIL SHALL BE POURED IN CONCRETE OR CORE DRILLED/SLEEVED AND GROUTED IN.
4. GRIPPING SURFACES SHALL BE UNINTERRUPTED BY NEWEL POSTS, OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS.
5. TOP OF HANDRAIL GRIPPING SURFACE SHALL BE MOUNTED BETWEEN 34 AND 38 INCHES ABOVE STAIR NOSINGS.
6. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
7. HANDRAILS SHALL INCLUDE A SKATE DETERRENT.



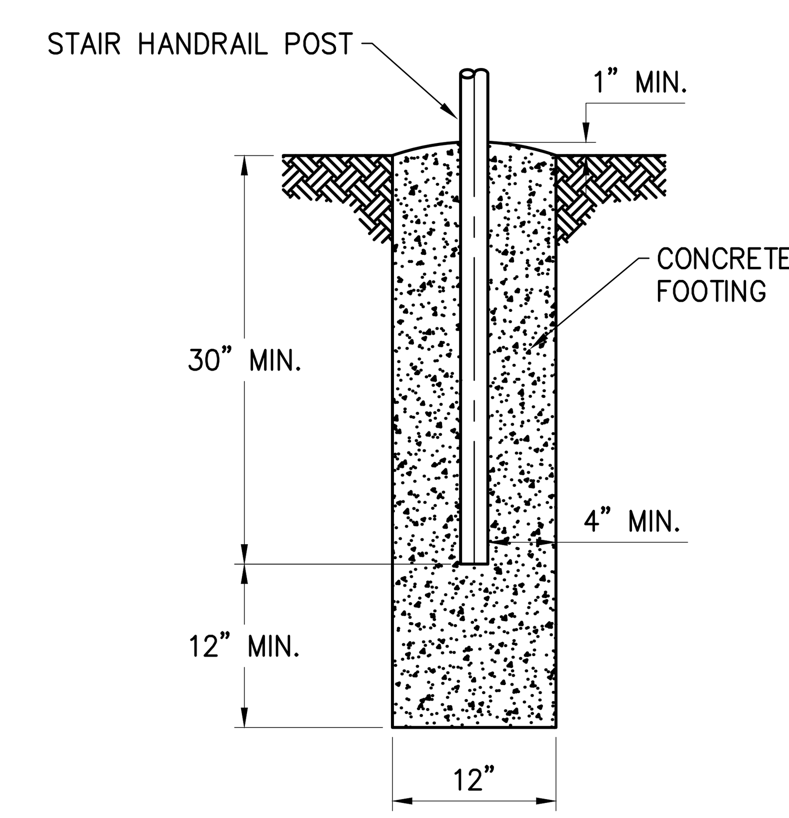
C ABRASIVE NOSING
NOT TO SCALE



D STAIR SECTION
NOT TO SCALE



E HANDRAIL POST ANCHORAGE IN SLAB
NOT TO SCALE



F HANDRAIL POST ANCHORAGE IN GROUND
NOT TO SCALE

ABRASIVE NOSING NOTES:

1. NOSING SHALL TERMINATE NO MORE THAN 3" FROM END OF STEPS.
2. 12'-0" MAXIMUM LENGTH.
3. COUNTER SUNK HOLES PRE-DRILLED FOR A #10 FASTENER SPACED 3" FROM ENDS AND APPROXIMATELY 12" TO 15" O.C.
4. UL 1994 LISTED: COMBINED WIDTH OF PHOTO-LUMINESCENT MATERIAL SHALL NOT BE LESS THAN 1".
5. COLOR SHALL BE SELECTED BY OWNER.

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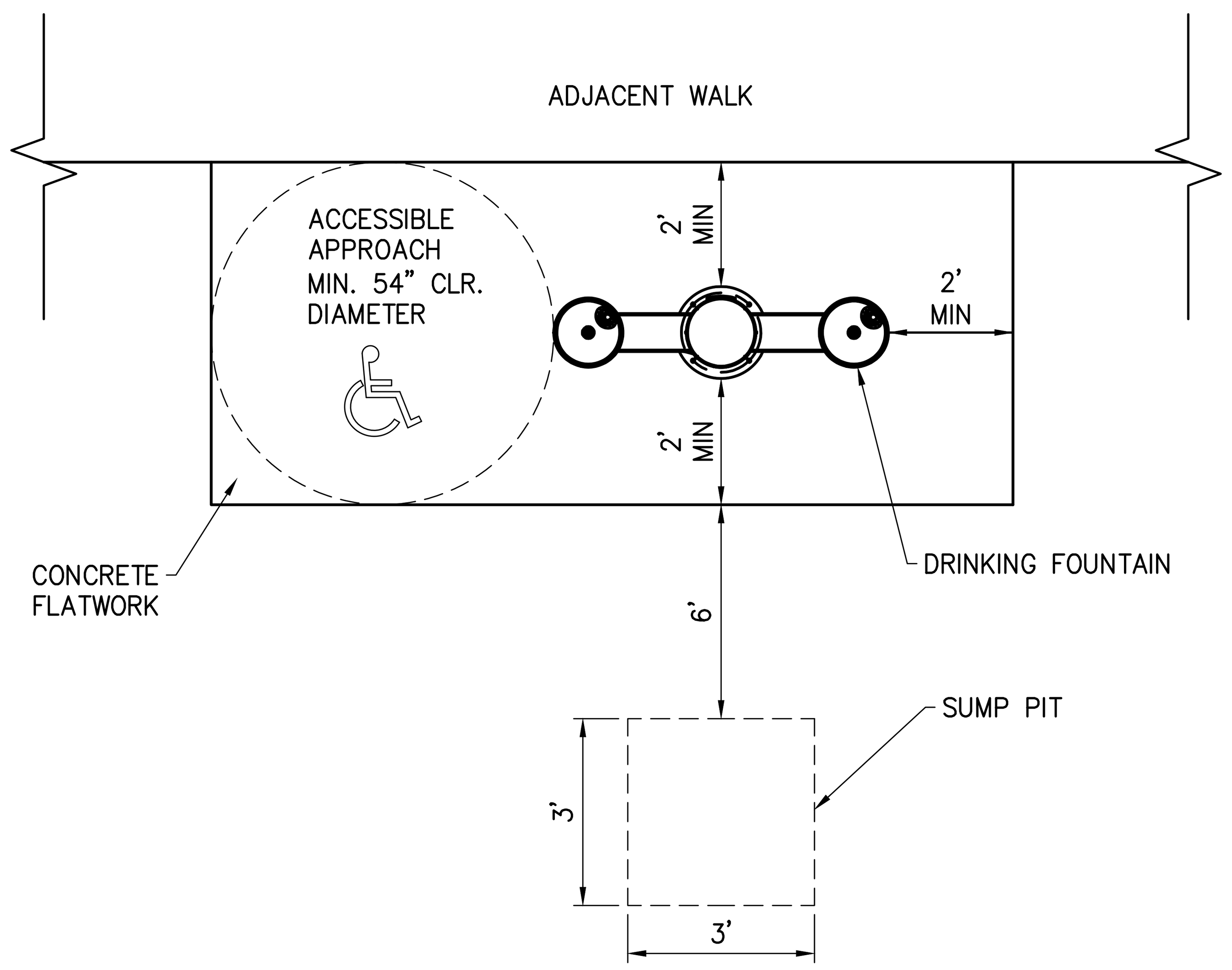
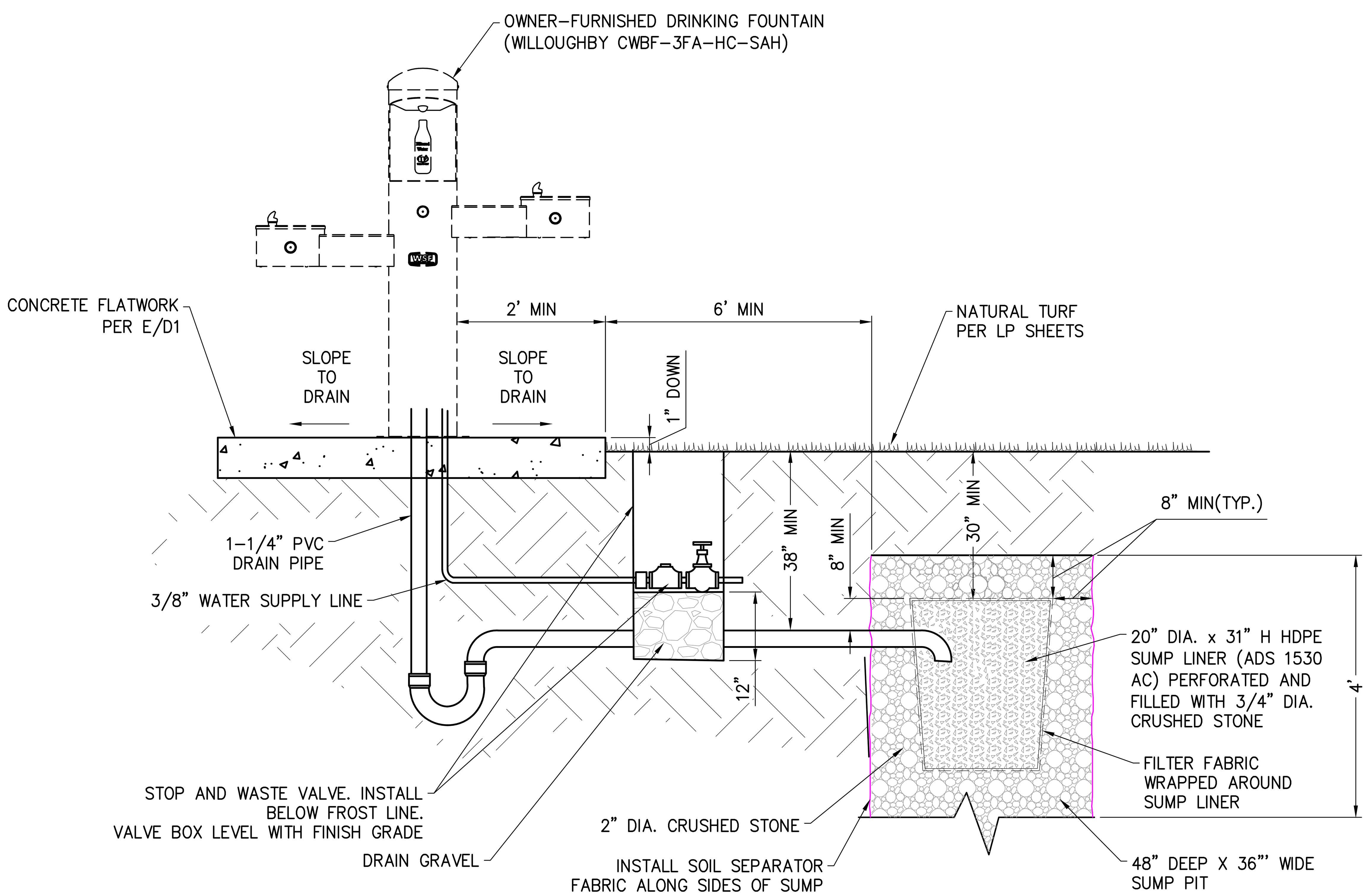


PLAN VIEW



SECTION VIEW

A ~ DRINKING FOUNTAIN PAD & SUMP
NOT TO SCALE

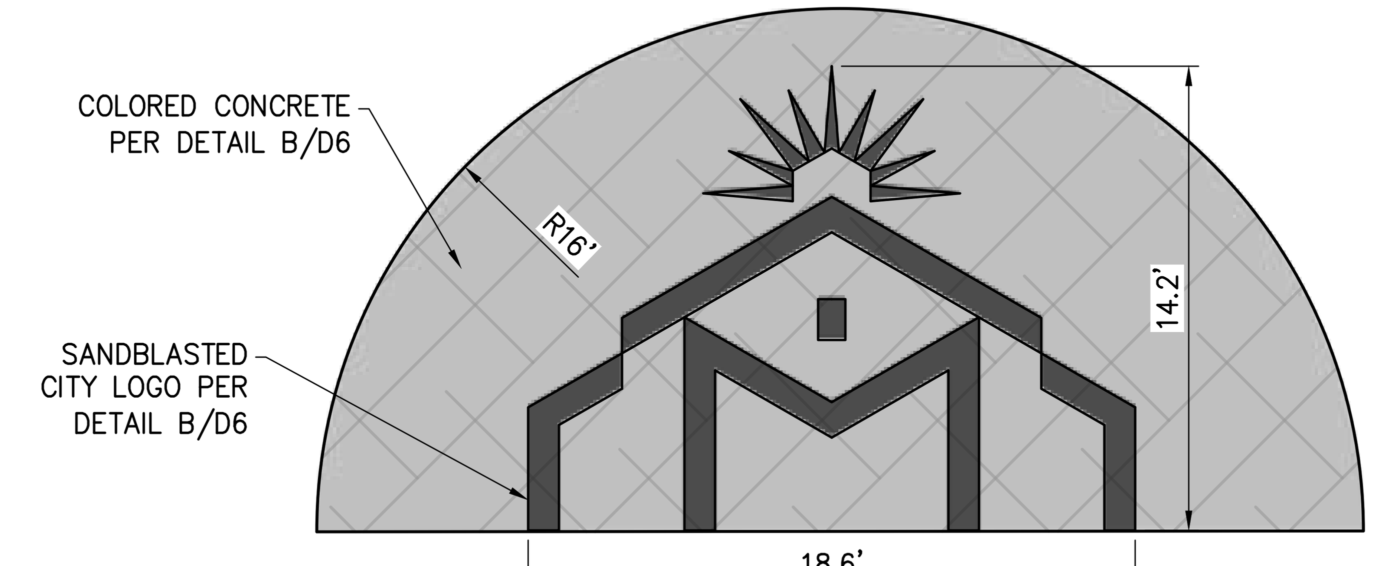
NOTES

1. COLOR OF DRINKING FOUNTAIN SHALL BE BEIGE.

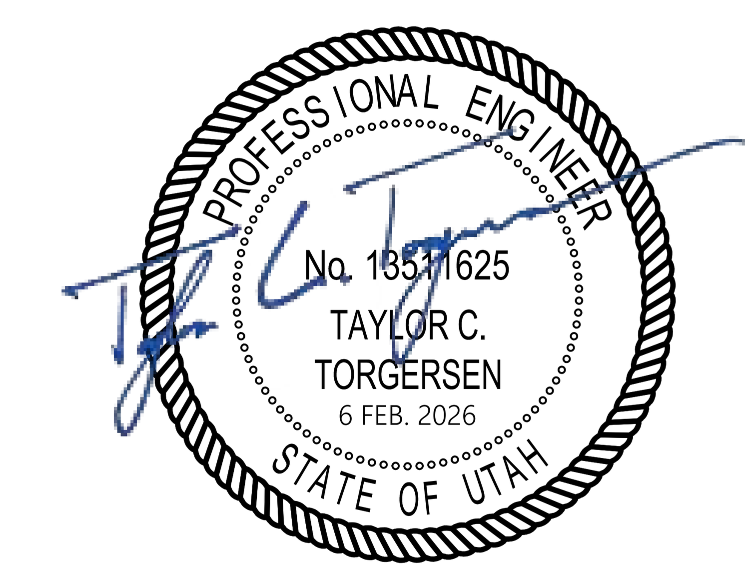
B ~ COLORED & SANDBLASTED CONCRETE - REFERENCE IMAGES
NOT TO SCALE

NOTES

1. REFERENCE IMAGE SHOWN ABOVE IS FOR INTENT ONLY. CONTRACTOR SHALL SUBMIT PROPOSED COLORS, STAMP PATTERNS, AND LOGO DETAILS TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL CONSTRUCT A MINIMUM 4'X4' SAMPLE CONCRETE PANEL AT LEAST 30 DAYS PRIOR TO CONSTRUCTION FOR CITY APPROVAL. SAMPLE PANEL SHALL BE CONSTRUCTED USING THE SAME MATERIALS, CONCRETE MIX, FINISHING METHODS, WORKMANSHIP, CURING PROCEDURES, AND SANDBLASTING TECHNIQUES TO BE USED THROUGHOUT PROJECT.
3. CONCRETE TEXTURE, COLOR, STAIN, ETC., SHALL PRODUCE THE INTENDED FINISHED APPEARANCE AS APPROVED DURING SAMPLE PANEL REVIEW.
4. CONCRETE TO BE INTEGRALLY COLORED. SEE LANDSCAPE PLANS FOR COLORS.
5. CONCRETE MIX DESIGN SHALL ACHIEVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.
6. CONCRETE SHALL BE CURED FOR A MINIMUM OF 28 DAYS PRIOR TO SANDBLASTING THE MAPLETON CITY LOGO.
7. CITY LOGO SHALL BE SANDBLASTED TO A MICRO–EXPOSED (MEDIUM DENSITY) FINISH. SANDBLASTING FINISH SHALL BE UNIFORM IN APPEARANCE.
7. LOGO STENCIL FOR SANDBLASTING SHALL BE STEEL AND SECURED TO ENSURE CLEAN, CRISP LOGO EDGES.
8. LOGO SHALL BE STAINED FOLLOWING SANDBLASTING. CONCRETE STAIN COLOR SHALL BE FAUX FUSION 401 – BLACK FURY (OR APPROVED EQUAL).
9. UPON COMPLETION OF SANDBLASTING AND STAINING, CONCRETE SHALL BE SEALED WITH BRICKFORM GEM SEAL 700, APPLIED PER MANUFACTURER'S RECOMMENDATIONS.



C ~ SANDBLASTED & STAINED CITY LOGO
NOT TO SCALE



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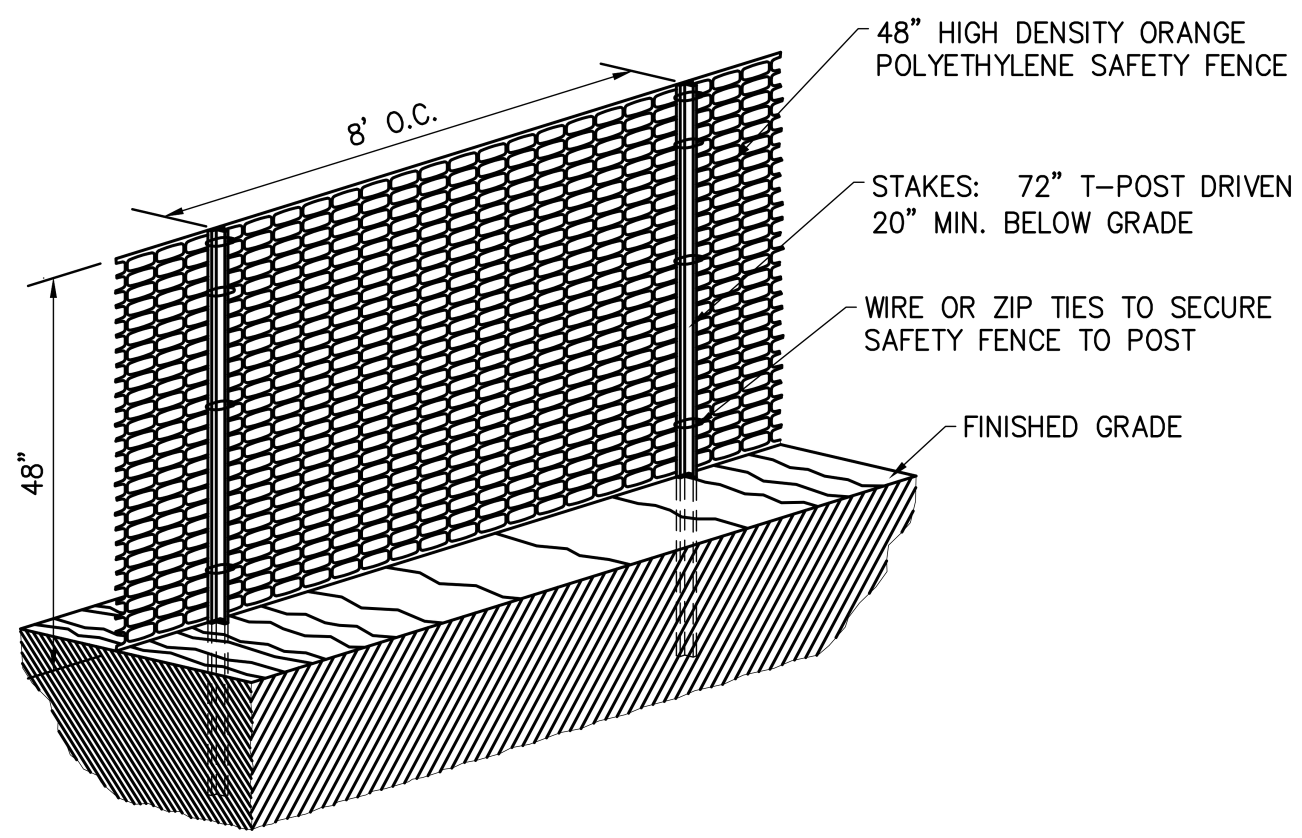
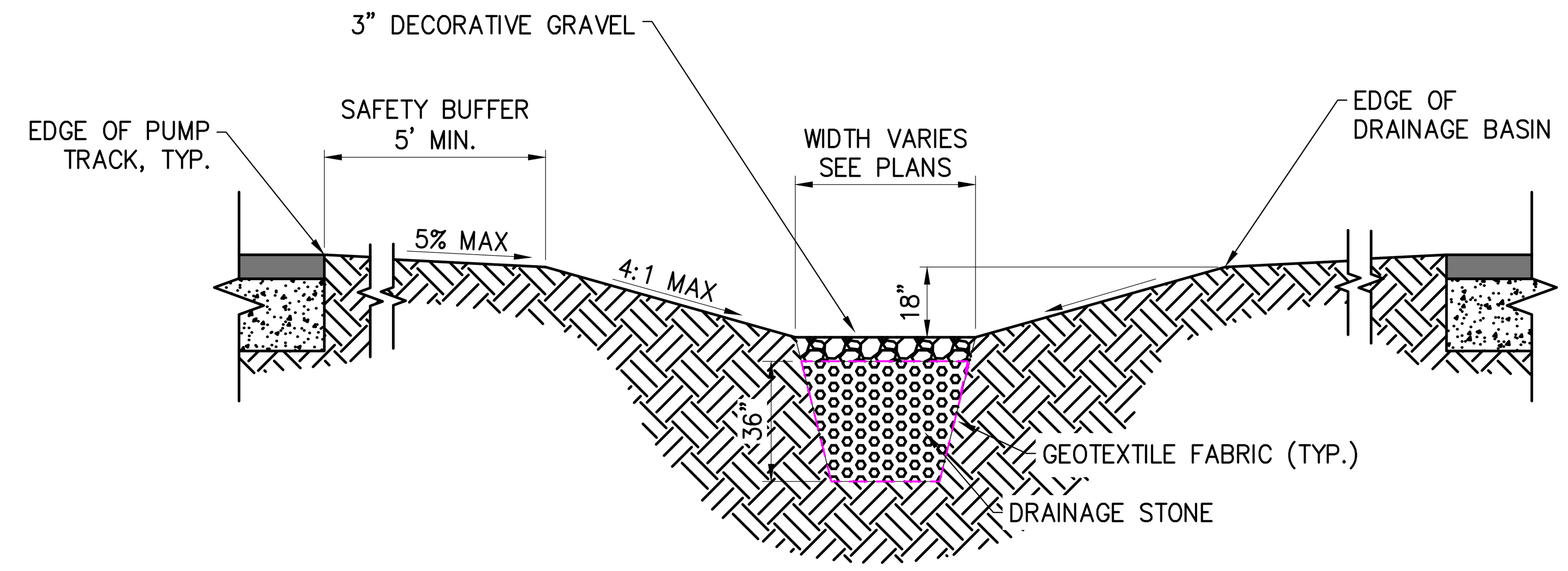


A TEMPORARY FENCING
NOT TO SCALE

NOTES

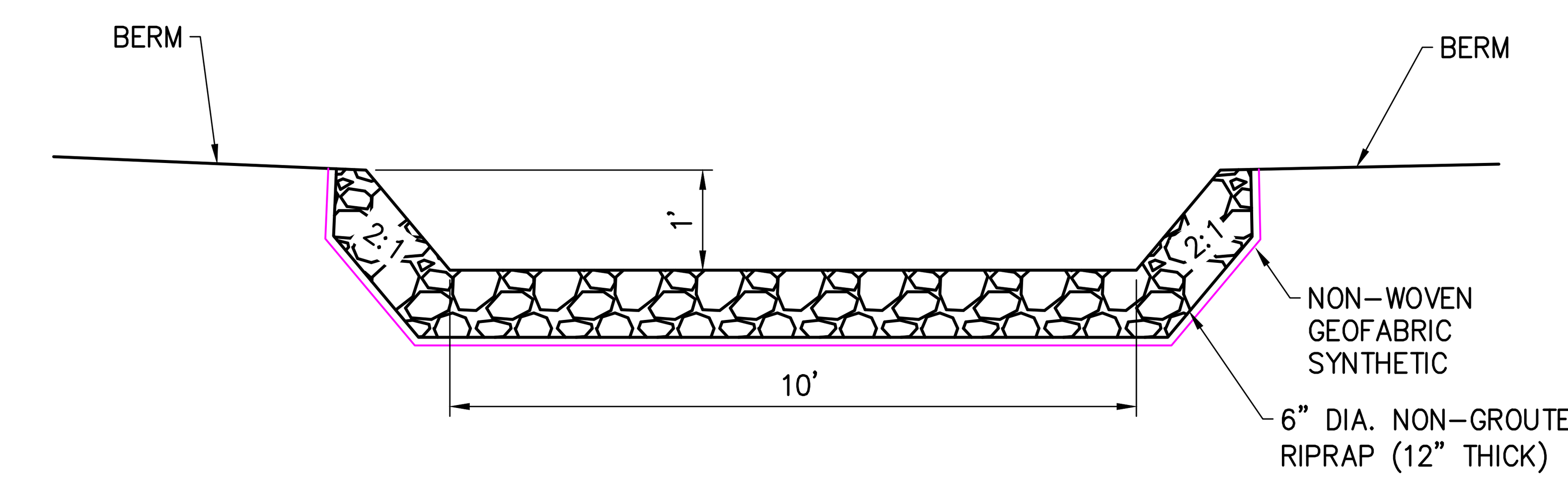
1. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
2. FENCING SHALL REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE TO PROTECTIVE FENCING MUST BE APPROVED BY ENGINEER.
3. ALL SENSITIVE AREAS SHALL BE PROTECTED ACCORDING TO PLAN.



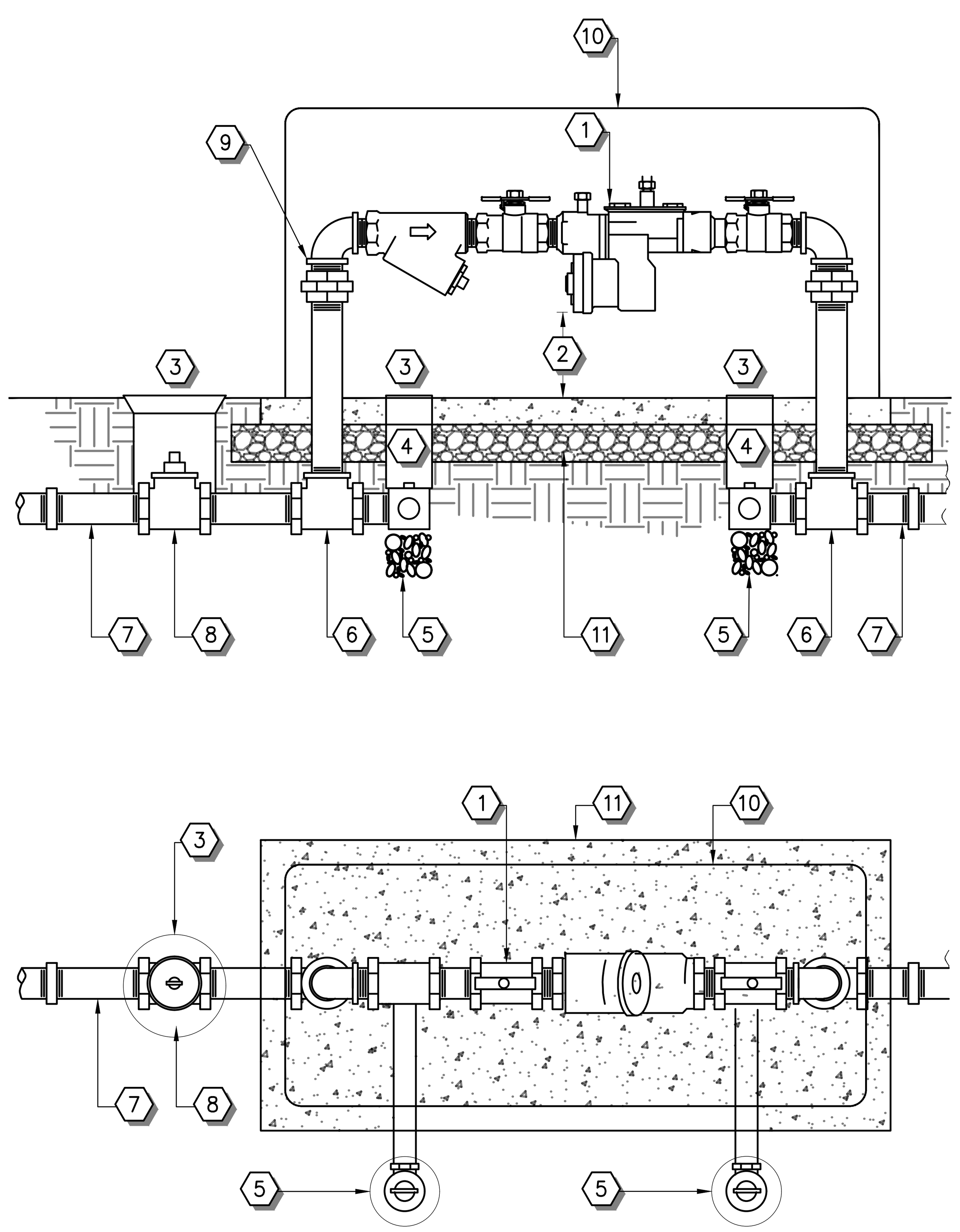
B PUMP TRACK BASIN AND SUMP
NOT TO SCALE

NOTES:

1. SEE LANDSCAPE PLANS FOR LANDSCAPE GRAVEL COLOR AND SIZE.
2. CONTRACTOR SHALL PLACE TEMPORARY FENCING ALONG EDGE OF DRAINAGE BASIN. FENCING SHALL BE PLACED FOLLOWING CONSTRUCTION OF PUMP TRACK SUBGRADE AND SHALL REMAIN IN PLACE THROUGHOUT CONSTRUCTION OF PUMP TRACK IMPROVEMENTS.
3. HEAVY CONSTRUCTION VEHICLES WILL BE PROHIBITED FROM PERFORMING UNNECESSARY SOIL COMPACTION AT THE LOCATION OF THE BASIN. ACCESS ROUTES FOR HEAVY EQUIPMENT WILL BE LOCATED AROUND THE BASIN.
4. LANDSCAPING SHALL BE NATIVE OR DROUGHT-TOLERANT SPECIES THAT CAN PROVIDE SLOPE PROTECTION, REDUCE EXCESS IRRIGATION RUNOFF, AND PROMOTE EFFECTIVE SURFACE FILTRATION TO OPTIMIZE BASIN PERFORMANCE.

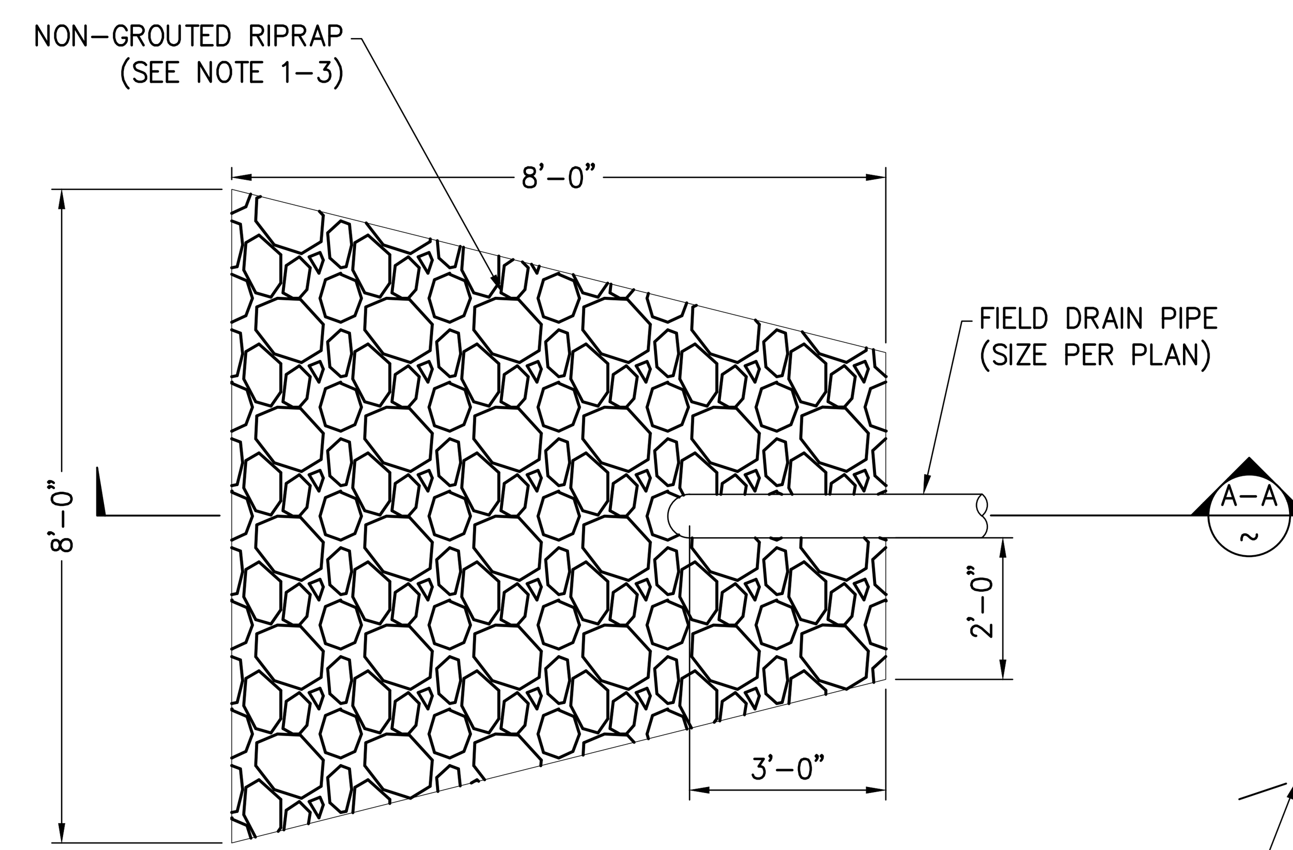


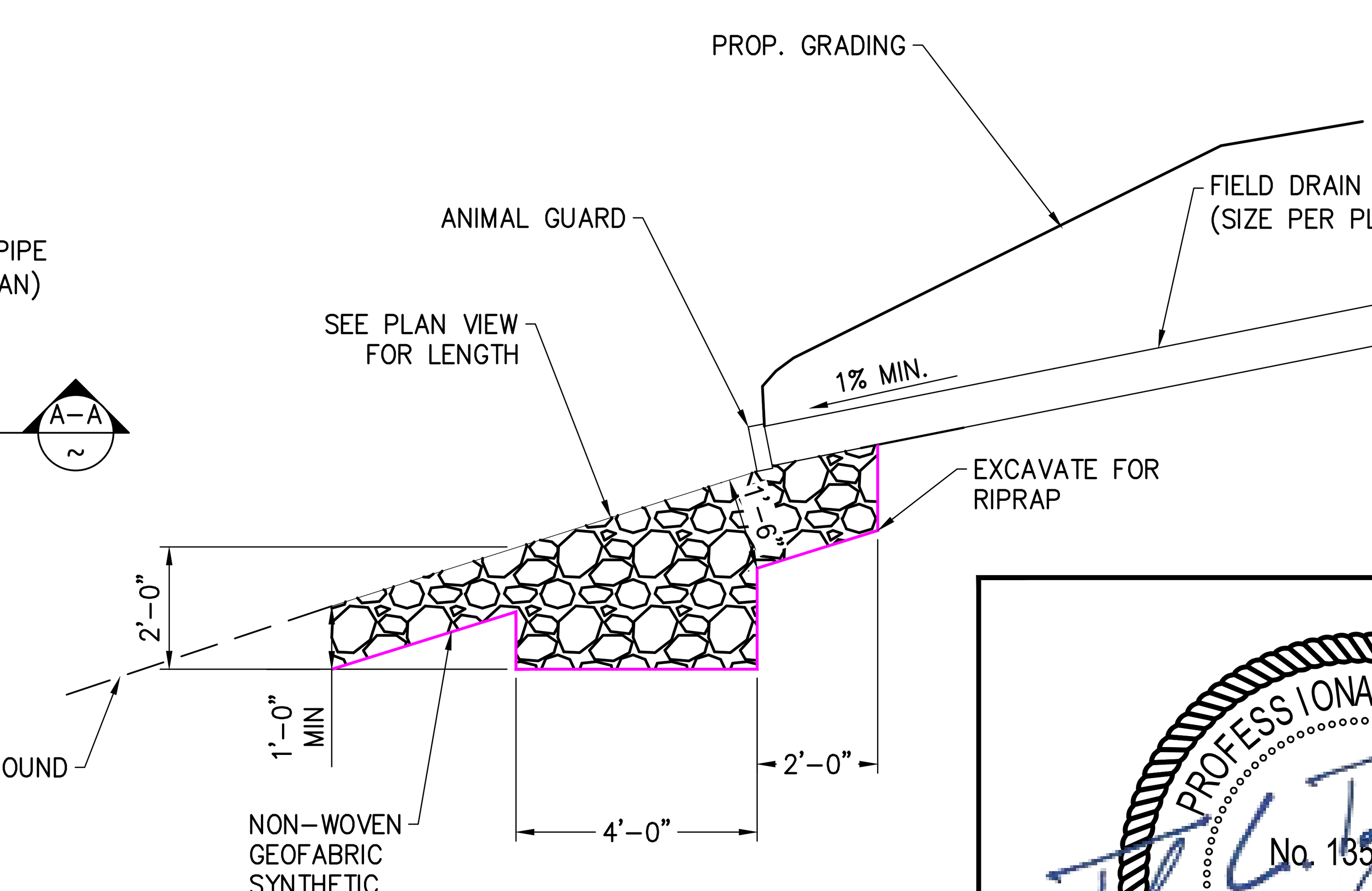
D 10'-WIDE RIPRAP SPILLWAY
NOT TO SCALE



C BACKFLOW PREVENTER ASSEMBLY
NOT TO SCALE

1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER ASSEMBLY (FEBCO LF825YA)
2. 12" TO 24" ABOVE FINISH GRADE
3. VALVE MARKERS
4. 2" SCHEDULE 40 PVC WITH 2-1/2" SCHEDULE 40 PVC ADJUSTABLE SLEEVE
5. DRAIN VALVES & SUMPS
6. TEE
7. GALVANIZED NIPPLE 2'-0" LONG TO MAIN LINE
8. MAIN LINE ISOLATION VALVE
9. SET UNIONS ABOVE GRADE
10. STAINLESS STEEL ABOVE GROUND ENCLOSURE. SIZED TO MEET CITY AND LOCAL CODES
11. 5" THICK REINFORCED FIBER CONCRETE PAD OVER 6" COMPACTED AGGREGATE BASE. SIZE PAD ACCORDING TO ABOVE GROUND ENCLOSURE RECOMMENDATION





E RIPRAP OUTFALL W/ PIPE
NOT TO SCALE

NOTES:

1. ALL RIPRAP TO BE NON-GROUTED 6" D50 @ 12" THICK
2. MAINTAIN CONTINUOUS DOWNSHILL SLOPE ON OUTLET PIPE.
3. OUTFLOW MUST DRAIN PAST INSTALLED RIPRAP TO PREVENT STANDING WATER.

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6 FEB. 2026
STATE OF UTAH

MAPLETON UTAH

SUNRISE ENGINEERING
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MAPLETON CITY
MAPLETON BIKE PARK
DETAILS

SE NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	KRM	KRM	TCT	44 of 44	D7

FEBRUARY 2026

Z:\SPR\Projects\Mapleton\16247 Mapleton Bike Park\08 Dwg\Sheet Sets\DETAIL SHEETS.dwg Feb 06, 2026 3:49pm ttorgersen

100% DESIGN

ELECTRICAL STANDARDS LEGEND

(ALL SYMBOLS MAY NOT BE USED IN DRAWINGS)

	DIRECT BURIED OR CONCRETE EMBEDDED CONDUIT
	CONDUIT RUN EXPOSED
	PROCESS FLOW
	PNEUMATIC SIGNAL
	ELECTRICAL SIGNAL
	PANEL OR ENCLOSURE
???KW G XXXA	STAND-BY GENERATOR ??? DENOTES SIZE GENERATOR MAIN BREAKER XXX DENOTES BREAKER SIZE
WP	WALL PACK FIXTURE. MOUNTING HEIGHT AS INDICATED IN DRAWINGS
FL	FLOOD LIGHT 7'-2" ABOVE FLOOR
EXIT	EMERGENCY EXIT SIGN 7'-2" ABOVE FLOOR
EM	EMERGENCY LIGHTING PACK 7'-2" ABOVE FLOOR
	HIGH/LOW BAY LED FIXTURE AS INDICATED IN DRAWINGS AND EQUIPMENT SCHEDULE
	1' X 4' LED FIXTURE AS INDICATED IN DRAWINGS AND EQUIPMENT SCHEDULE
G	INDICATOR LAMP – LETTER INDICATES COLOR
R	FLASHING BEACON – LETTER INDICATES COLOR
MS	MOTION SENSOR
	EXHAUST FAN
	OTHER LIGHT FIXTURE AS INDICATED IN DRAWINGS.
	AUDIBLE ALARM OR HORN
JB	UNDERGROUND JUNCTION/PULLBOX – SIZE 5 UNLESS OTHERWISE INDICATED
J	STEEL JUNCTION/PULLBOX
E	ELECTRIC MANHOLE
XX	FUSE; XX – DENOTES AMPERAGE
GFCI	120 V GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
WP	120 V DUPLEX RECEPTACLE, WP (WEATHERPROOF)
	240 V RECEPTACLE
	DISCONNECT SWITCH
20A 3P	CIRCUIT BREAKER – UPPER NUMBER INDICATES AMP TRIP RATING – LOWER NUMBER INDICATES POLES
	MOTOR OVERLOAD
	EQUIPMENT GROUND
$	LIGHT SWITCH, SINGLE POLE, MOUNT 4'-6" ABOVE FLOOR ON BUILDING WALL
$ WP	LIGHT SWITCH, SINGLE POINT MOUNT 4'-6" ABOVE FLOOR ON BUILDING WALL, WEATHER PROOF
R	RELAY
TR1	TIMING RELAY
TDR	TIMING DELAY RELAY
CR	CONTROL RELAY COIL
M	MAGNETIC RELAY
	MOMENTARY PUSH-BUTTON SWITCH
OFF HAND AUTO	HAND-OFF-AUTO SELECTOR SWITCH
	NORMALLY CLOSED PUSHBUTTON
	NORMALLY OPEN PUSHBUTTON
RTM	RUNNING TIME METER
OR 2	MOTOR STARTER – NUMBER INDICATES SIZE
	NORMALLY CLOSED CONTACTS
	NORMALLY OPEN CONTACTS
3	CONTACTOR OR STARTER, NUMBER DENOTES NEMA SIZE
10	MOTOR – NUMBER INDICATES HORSEPOWER RATING
FM	FLOW METER
ETM	ELAPSED TIME METER
	LIMIT SWITCH
	INSTRUMENT TRANSFORMER
CT	CURRENT TRANSFORMER
	POWER TRANSFORMER
T	THERMOSTAT
G.F.I.	GROUND FAULT INTERRUPTER
	AUXILIARY CONTACT
	INTERLOCK
	PUMP
S OR S	SOLENOID VALVE
	VALVE WITH MANUAL OPERATOR
M	ELECTRIC MOTOR OPERATED VALVE (MODULATING OR NON-MODULATING)
M	MOTOR OPERATED VALVE WITH LIMIT SWITCH ASSEMBLY
I	COMPUTER/CONTROL INPUT
O	COMPUTER/CONTROL OUTPUT
LP1-XX	CIRCUIT LABEL: LP1 – PANEL NAME XX – CIRCUIT NUMBER
	EXPLOSION PROOF SEAL OFF
X-YYY	CONDUIT IDENTIFICATION, REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR QUANTITY AND FILL: X = CONDUIT TYPE P-POWER C-CONTROL F-FIBER OPTIC CABLE X-OTHER YYY = ID
---	OTHER SYMBOLS AS SHOWN ON DRAWINGS

GENERAL ELECTRICAL ABBREVIATIONS

ACB	AIR CIRCUIT BREAKER	HMI	HUMAN MACHINE INTERFACE	MTU	MASTER TERMINAL UNIT	SE	SERVICE ENTRANCE
AFF	ABOVE FINISHED FLOOR	IC	INSTRUMENTATION CONDUIT	NC	NORMALLY CLOSED	SER	SERVICE ENTRANCE RATED
AFG	ABOVE FINISHED GRADE	IER	INTEGRATED EQUIPMENT RATING	NO	NORMALLY OPEN	SPC	SPARE CONDUIT
ATS	AUTOMATIC TRANSFER SWITCH	INST	INSTRUMENTATION CONDUIT	OL	MOTOR OVERLOAD	SPD	SURGE PROTECTIVE DEVICE
C	CONDUIT	JB	JUNCTION BOX	PB	PULL BOX	SPIC	SPARE INSTRUMENT CONDUIT
CB	CIRCUIT BREAKER	LCP	LOCAL CONTROL PANEL	PCP	PUMP CONTROL PANEL	SSSS	SOLID STATE SOFT START
CTRL	CONTROL	LP	LIGHTING PANEL	PLC	PROGRAMMABLE LOGIC CONTROLLER	TSP	TWISTED SHIELDED PAIR
DS	DISCONNECT SWITCH	MCB	MAIN CIRCUIT BREAKER	RGS	RIGID GALVANIZED STEEL CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPRESSOR
EMG	ELECTRICAL MANHOLE	MCP	MOTOR CIRCUIT PROTECTOR	PP	POWER PANEL	VFD	VARIABLE FREQUENCY DRIVE
EMT	ELECTRICAL METALLIC TUBING	MLO	MAIN LUG ONLY	RTU	REMOTE TERMINAL UNIT	WP	WEATHERPROOF

GENERAL ELECTRICAL REQUIREMENTS

1. THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE ORDINANCES AND REGULATIONS. CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES. ALL WORK SHALL BE DONE IN A NEAT, PROFESSIONAL, FINISHED AND SAFE MANNER, UNDER COMPETENT SUPERVISION. INSTALL GROUNDING AND ALL ELECTRICAL WORK AS REQUIRED BY THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ANY OTHER APPLICABLE CODES.
2. MATERIAL, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT.
3. VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND ALL OTHER FACTORS WHICH MAY AFFECT THE EXECUTION OF THIS WORK. INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL.
4. ALL MATERIALS SHALL BE NEW AND OF THE BEST QUALITY, MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, U.L. OR OTHER APPLICABLE STANDARDS. THE USE OF MANUFACTURER'S NAMES, MODELS AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, USEFULNESS AND BID PRICE. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING AND APPROVED BY THE ENGINEER BEFORE ORDERING.
5. PROTECT ALL ELECTRICAL MATERIAL AND EQUIPMENT INSTALLED UNDER THIS PROJECT AGAINST DAMAGE BY OTHER TRADES, WEATHER CONDITIONS OR ANY OTHER CAUSES. EQUIPMENT FOUND DAMAGED OR IN OTHER THAN NEW CONDITIONS WILL BE REJECTED AS DEFECTIVE.
6. LEAVE THE SITE CLEAN, REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAPS AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION. ALL COMPONENTS SHALL BE FREE OF DUST, GRIT AND FOREIGN MATERIALS, LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK.
7. ALL CONDUCTORS SHALL BE THHN/THWN COPPER, STRANDED RATED AT 600 VOLTS UNLESS OTHERWISE NOTED. ALUMINUM WIRE WILL NOT BE ALLOWED.
8. ALL CONDUCTORS SHALL BE INSTALLED IN A CONDUIT SYSTEM EXCEPT WHERE NOTED IN DRAWINGS. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT TYPE AND SIZE. WHERE CONDUIT SIZE IS NOT CALLED OUT, CONDUIT SHALL BE INSTALLED PER SPECIFICATION 16010 AND SIZED PER LATEST ADOPTED EDITION OF THE NEC.
9. ALL UNDERGROUND CONDUIT TO BE SCHEDULE 40 PVC. MINIMUM DEPTH 30", MINIMUM SIZE 3/4" EXCEPT AS NOTED IN DRAWINGS AND SPECIFICATIONS. ALL UNDERGROUND ELBOWS SHALL BE RIGID LONG SWEEP WRAPPED WITH 3M-50 10 MIL PIPE WRAP OR APPROVED EQUAL EXCEPT FOR COMMUNICATIONS CABLE AND CONDUIT WHEN SPECIFIED DIFFERENTLY ON THE DETAILED ELECTRICAL DRAWINGS.
10. ALL EXPOSED CONDUIT BELOW 4' AFG SHALL BE IMC OR RIGID STEEL CONDUIT, WITH A MINIMUM SIZE OF 1" EXCEPT AS NOTED IN DRAWINGS AND SPECIFICATIONS. EMT WILL BE PERMITTED, ONLY IN WALLS OR ABOVE 4' AFF. EXPOSED PVC CONDUIT SHALL NOT BE PERMITTED UNLESS NOTED OTHERWISE IN DRAWINGS.
11. ALL SAFETY SWITCHES AND OTHER DISTRIBUTION AND CONTROL ELECTRICAL EQUIPMENT SHALL BE RATED FOR HEAVY DUTY SERVICE.
12. ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE GROUNDED BODY TYPE DEVICES.
13. THE CONTRACTOR SHALL INSTALL ALL INSTRUMENTS AND CONTROLS, INCLUDING HVAC AND CONTROL PANELS. THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL INSTRUMENT, CONTROL AND HVAC DRAWINGS FOR TOTAL SCOPE OF WORK.
14. ALL PANELS, DISCONNECTS AND SWITCHGEAR ON THE OUTSIDE OF THE BUILDING SHALL BE NEMA 3R TYPE ENCLOSURES UNLESS OTHERWISE SPECIFIED. CT CABINET AND METER BASE SHALL BE OUTSIDE THE BUILDING.
15. SURGE PROTECTIVE DEVICES (SPD) SHALL BE SIZED FOR 160KA UNLESS OTHERWISE NOTED.
16. ALL CONDUIT FOR ALL EQUIPMENT, INCLUDING EQUIPMENT FURNISHED BY OTHERS, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
17. ALL CONDUIT, WHERE LEAVING ELECTRICAL EQUIPMENT TO GO UNDERGROUND, MUST BE ANCHORED TO THE FOUNDATION WITH STAND-OFF BRACKETS TO ALLOW FOR SUFFICIENT CLEARANCE FOR FOOTINGS AND WALL STUDS ON THE WALLS IN THE BUILDING. ALL RGS CONDUIT AND ELBOWS USED UNDERGROUND WILL BE WRAPPED WITH AN APPROVED PIPE WRAP. (TYP. FOR ALL BUILDINGS)
18. ALL WIRING IN CLASS I HAZARDOUS LOCATIONS SHALL COMPLY WITH NEC 501. AS DEFINED BY NFPA 820.

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REGISTERED PROFESSIONAL ENGINEER
06-Feb-2026
No. 362066
J. RANDALL KNAPP
STATE OF UTAH

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6875 SOUTH 900 EAST
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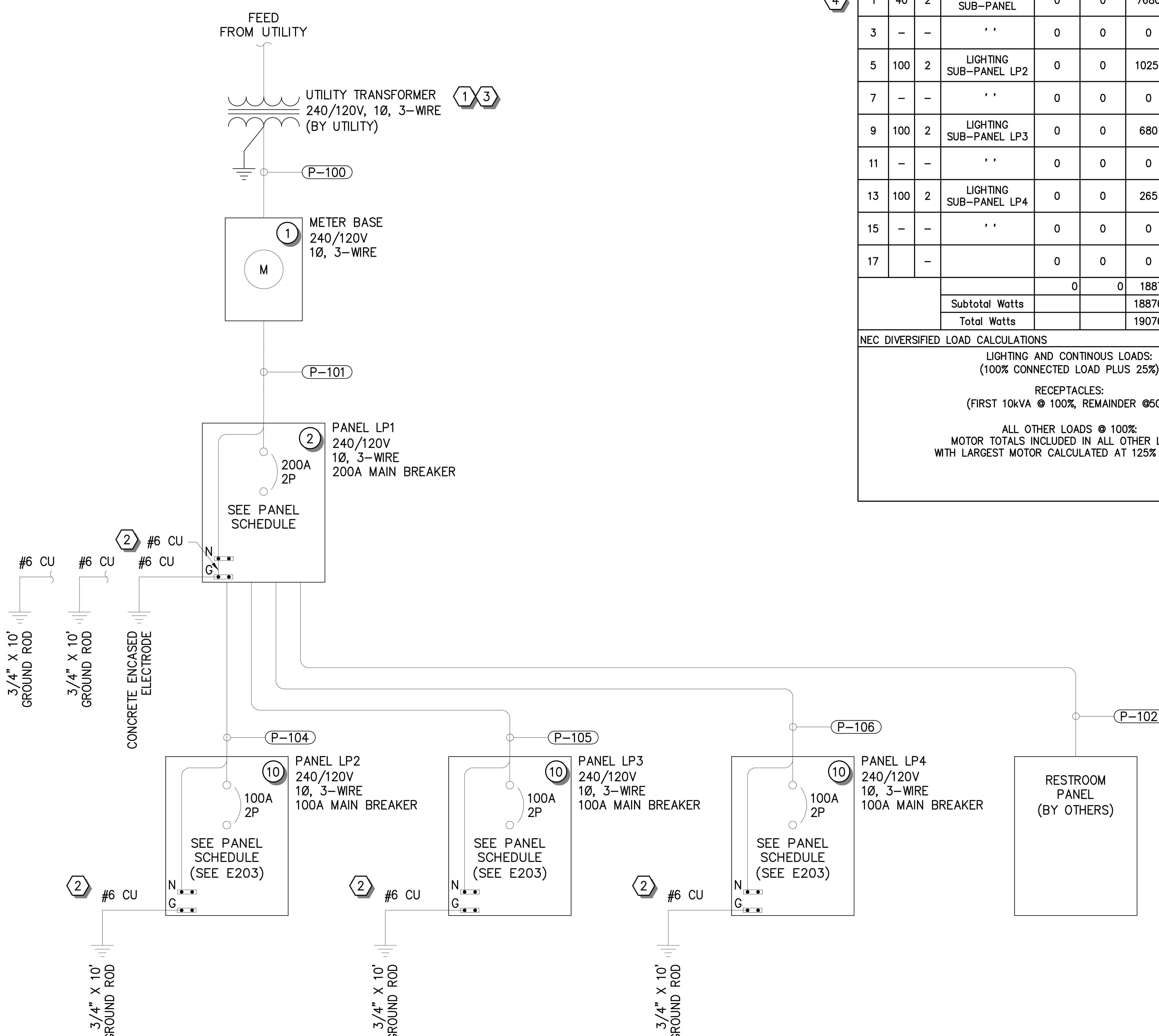
MAPLETON CITY

MOUNTAIN BIKE PARK
ELECTRICAL
NOTES AND SYMBOLS

SEI NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	CJP	CJP	JRK	01 of 09	E100



PANEL LP1 MAPLETON BIKE PARK														CU Bus 10 KA SC Rating (RMS)			
VOLTAGE	PH	WIRE															
240/120	1	3 -WIRE		PANEL SCHEDULE CIRCUIT										200 AMP MAIN CB			
CKT NO.	AMPS	POLE	DESCRIPTION	LOAD (VA)			AMPS				LOAD (VA)			DESCRIPTION	POLE	AMPS	CKT NO.
				LIGHT	RECEP	OTHER	L1		L2		OTHER	RECEP	LIGHT				
1	40	2	RESTROOM SUB-PANEL	0	0	7680	32.0	1.7			200	0	0	IRRIGATION PANEL	1	20	2
3	–	–	' '	0	0	0			32.0	0.0	0	0	0		–		4
5	100	2	LIGHTING SUB-PANEL LP2	0	0	10251	42.7	0.0			0	0	0		–		6
7	–	–	' '	0	0	0			42.7	0.0	0	0	0		–		8
9	100	2	LIGHTING SUB-PANEL LP3	0	0	680	2.8	0.0			0	0	0		–		10
11	–	–	' '	0	0	0			2.8	0.0	0	0	0		–		12
13	100	2	LIGHTING SUB-PANEL LP4	0	0	265	1.1	0.0			0	0	0		–		14
15	–	–	' '	0	0	0			1.1	0.0	0	0	0		–		16
17		–		0	0	0	0.0	0.0			0	0	0		–		18
				0	0	18876	80		79		200	0	0				
			Subtotal Watts			18876							200	Subtotal Watts			
			Total Watts			19076							80	Average Amps			

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING AND CONTINOUS LOADS: (100% CONNECTED LOAD PLUS 25%)	0.0 kVA	Lighting Total kVA:	0.0
RECEPTACLES: (FIRST 10kVA @ 100%, REMAINDER @50%)	0.0 kVA	Receptacles Total kVA:	0.0
ALL OTHER LOADS @ 100%: MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED AT 125% PER NEC	19.1 kVA	Other Loads Total kVA:	21.6
		DIVERSIFIED TOTAL kVA	21.6
		AVERAGE AMPS PER PHASE	90.2

4

SHEET NOTES:

1. ONE-LINE DIAGRAM SHOWS PROPOSED CONFIGURATION. CONTRACTOR SHALL CONFIRM ACTUAL CONFIGURATION WITH UTILITY PRIOR TO CONSTRUCTION AND PROVIDE ALL NECESSARY EQUIPMENT PADS, PULL BOXES OR OTHER ITEMS REQUIRED BY UTILITY.
2. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, COMPACTION, AND THE INSTALLATION OF CONDUIT SHOWN AS NEW OR TO BE EXTENDED TO NEW EQUIPMENT LOCATION.
4. PROVIDE BONDING AND GREEN INSULATED GROUND FOR ALL ELECTRICAL ENCLOSURES PER LATEST EDITION OF NEC.
5. REFER TO DRAWING E202 FOR CONDUIT AND CONDUCTOR SCHEDULE.
6. X DENOTES ELECTRICAL EQUIPMENT IDENTIFICATION, REFER TO DRAWING E202 FOR ELECTRICAL EQUIPMENT SCHEDULE.

KEY NOTES

1. COORDINATE ALL SERVICE ENTRANCE WORK WITH UTILITY PRIOR TO CONSTRUCTION TO CONFIRM EXACT LOCATION, CONDUIT SIZE AND OTHER REQUIREMENTS AND UTILITY STANDARDS.
2. BOND TO ALL ELECTRODES PRESENT PER NEC 250 AND LOCAL AHJ.
3. TRANSFORMER PROVIDED AND INSTALLED BY UTILITY, PAD PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL COORDINATE INSTALLATION WITH UTILITY PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO COORDINATE WITH OWNER TO CONFIRM BREAKER IS SIZED APPROPRIATELY FOR PRE-BUILT RESTROOM.

100% DESIGN

Z:\EIC\Projects\Mapleton\16247 mapleton bike park\04 Dwg\02 Electrical One-line Diagram & Schedules.dwg Feb 06, 2026 12:44pm connor.parker

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MOUNTAIN BIKE PARK
ELECTRICAL
ONE-LINE & PANEL SCHEDULE

SEI NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	CJP	CJP	JRK	02 of 09	E201

100% DESIGN

CONDUIT AND CONDUCTOR SCHEDULE

CONDUIT TAG	DESCRIPTION	ROUTING FROM	ROUTING TO	MIN. CONDUIT QTY	MIN. CONDUIT SIZE	CONDUCTORS (CU) PER C. (QTY) & SIZE	GND	VOLTAGE	REMARKS OR REFERENCE DRAWING
P-100	UTILITY FEEDER	UTILITY XFMR	METERBASE	1	2"			240	CONDUCTOR PROVIDED BY UTILITY
P-101	FEEDER TO PANEL LP1	METERBASE	LP1	1	1-1/2"	(3) #3 AWG	#6	240	
P-102	POWER TO RESTROOM SUB-PANEL	LP1-1,3	RESTROOM PANEL	1	1"	(3) #8 AWG	#10	240	
P-103	POWER TO IRRIGATION PANEL	LP1-2	IRRIGATION PANEL	1	3/4"	(2) #12 AWG	#12	120	
P-104	POWER TO SUB-PANEL LP2	LP1-5,7	LP2	1	1"	(3) #3 AWG	#8	240	VIA PULLBOX PB-1
P-105	POWER TO SUB-PANEL LP3	LP1-9,11	LP3	1	1"	(3) #3 AWG	#8	240	VIA PULLBOX PB-1
P-106	POWER TO SUB-PANEL LP4	LP1-13,15	LP4	1	1"	(3) #3 AWG	#8	240	VIA PULLBOX PB-1
P-107	POWER TO TRACK LIGHTS: ADVANCED TRACK	LP2-1,3	PULL BOX PB-2	1	1"	(2) #10 AWG	#10	240	
P-108	POWER TO ADVANCED TRACK: TIMER SWITCH	PULL BOX PB-2	TIMER SWITCH: ADVANCED	1	1"	(2) #10 AWG	#10	240	
P-109	POWER TO ADVANCED TRACK: EAST	PULL BOX PB-2	ADVANCED EAST LIGHTS	1	1"	(2) #10 AWG	#10	240	
P-110	POWER TO ADVANCED TRACK: WEST	PULL BOX PB-2	ADVANCED WEST LIGHTS	1	1"	(2) #10 AWG	#10	240	
P-111									LEFT BLANK INTENTIONALLY
P-112									LEFT BLANK INTENTIONALLY
P-113									LEFT BLANK INTENTIONALLY
P-114									LEFT BLANK INTENTIONALLY
P-115	POWER TO TRACK LIGHTS: BEGINNER TRACK	LP2-5,7	PULL BOX PB-4	1	1"	(2) #10 AWG	#10	240	
P-116	POWER TO BEGINNER TRACK: TIMER SWITCH	PULL BOX PB-4	TIMER SWITCH: BEGINNER	1	1"	(2) #10 AWG	#10	240	
P-117	POWER TO BEGINNER TRACK: NORTH	PULL BOX PB-4	BEGINNER NORTH LIGHTS	1	1"	(2) #10 AWG	#10	240	
P-118	POWER TO BEGINNER TRACK: SOUTH	PULL BOX PB-4	BEGINNER SOUTH LIGHTS	1	1"	(2) #10 AWG	#10	240	
P-119	POWER TO FLAGPOLE LIGHTS	LP2-9	FLAGPOLE LIGHTS	1	1"	(2) #12 AWG	#12	120	VIA PULLBOX PB-5
P-120	POWER TO PATHWAY LIGHTING	LP2-11	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-121	POWER TO PATHWAY LIGHTING	LP2-11	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-122	POWER TO PATHWAY LIGHTING	LP2-11	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	VIA PULLBOX PB-5
P-123	POWER TO PATHWAY LIGHTING	LP2-11	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-124	POWER TO RECEPTACLE PEDESTAL 1	LP2-2	RECEPTACLE PEDESTAL 1	1	1"	(2) #12 AWG	#12	120	VIA PULLBOX PB-5
P-125	POWER TO RECEPTACLE PEDESTAL 2	LP2-4	RECEPTACLE PEDESTAL 2	1	1"	(2) #12 AWG	#12	120	
P-126	POWER TO RECEPTACLE PEDESTAL 3 & 4	LP2-6	RECEPTACLE PEDESTAL 3 & 4	1	1"	(2) #12 AWG	#12	120	
P-127	POWER TO PARKING LOT LIGHTING	LP3-1,3	PULL BOX PB-6	1	1"	(2) #12 AWG	#12	240	
P-128	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	
P-129	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	
P-130	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	
P-131	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	
P-132	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	
P-133	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	
P-134	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	VIA PULLBOX PB-7
P-135	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	VIA PULLBOX PB-7
P-136	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	VIA PULLBOX PB-7
P-137	POWER TO PARKING LOT LIGHTING	PULL BOX PB-6	PARKING LOT LIGHTING	1	1"	(2) #12 AWG	#12	240	VIA PULLBOX PB-7
P-138	POWER TO ENTRANCE LIGHTING	LP3-7	ENTRANCE LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-139	POWER TO PATHWAY LIGHTING	LP3-5	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-140	POWER TO PATHWAY LIGHTING	LP3-5	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-141	POWER TO PATHWAY LIGHTING	LP3-5	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-142	POWER TO PATHWAY LIGHTING	LP3-5	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-143	POWER TO PATHWAY LIGHTING	LP3-5	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-144	POWER TO PATHWAY LIGHTING	LP4-1	PATHWAY LIGHTING	1	1"	(2) #12 AWG	#12	120	
P-145	POWER TO RECEPTACLE PEDESTAL 5	LP4-3	RECEPTACLE PEDESTAL 5	1	1"	(2) #12 AWG	#12	120	
P-146	POWER TO MAINTENANCE SHED (FUTURE)	LP4	MAINTENANCE SHED	1	1"				STUB AND CAP. INSTALL PULL TAPE. COORDINATE LOCATION W/ OWNER.
X-101	FUTURE COMMUNICATION	PB-8	PB-3	1	2"			COMM	STUB AND CAP. INSTALL PULL TAPE. COORDINATE LOCATION W/ OWNER.
X-102	FUTURE COMMUNICATION	PB-3	JB-1 (RESTROOM BUILDING)	2	2"			COMM	STUB AND CAP. INSTALL PULL TAPE. COORDINATE LOCATION W/ OWNER.
X-103	FUTURE COMMUNICATION	PB-3	MAINTENANCE SHED	1	2"			COMM	STUB AND CAP. INSTALL PULL TAPE. COORDINATE LOCATION W/ OWNER.

* CONDUITS TO LIGHTING AND RECEPTACLE CIRCUITS TYPICALLY NOT SHOWN.

ELECTRICAL EQUIPMENT SCHEDULE

	DESCRIPTION	QUANTITY	PROVIDED BY	MODEL / SPECIFICATION	MANUFACTURER	COMMENTS
1	METERBASE, 240V, 1Ø	1	CONTRACTOR	16010	MILBANK OR EQUAL	
2	PANEL LP1, 240/120V, 1Ø, 3-WIRE, 200A MAIN CB CU BUS 10 KAIC, 30 CIRCUIT	1	CONTRACTOR	16400	SQUARE D OR APPROVED	
3	ELECTRICAL PULL BOX (13" x 24"), POLYMER	AS SHOWN	CONTRACTOR	H1324	OLDCASTLE OR EQUAL	LID MARKED AS "ELECTRICAL"
4	FIXTURE AND POLE, LED, 30 WATT, 12' MOUNTING HEIGHT, AL DIRECT BURY POLE	11	CONTRACTOR			SEE DETAIL "A" ON SHEET E402 FOR COMPLETE SYSTEM
5	PATHWAY LIGHT FIXTURE, PEDESTAL MOUNT, LED, 8.5W	34	CONTRACTOR	303-B1-LEDB2-3000K-UNV-T2-DIM10 -SCBA-36	LUMIERE OR APPROVED EQUAL	
6	TRACK FIXTURE AND POLE, LED, 466 WATT, 20' MOUNTING HEIGHT	16	CONTRACTOR	DSX2 LED P8 35K 80CRI TFTM	LITHONIA OR EQUAL	
7	ENTRANCE LIGHTING, WALL MOUNTED, LED, 33W	2	CONTRACTOR	EMM2-HTN-SA1A-727-U-T3	INVUE OR EQUAL	
8	FLAG POLE LIGHTING, FLOOR MOUNTED, LED, 25W	3	CONTRACTOR	PLT-13085	PLT OR EQUAL	
9	HINGED COVER POWER PEDESTAL, DIRECT BURY WITH 120V DUPLEX RECEPTACLE	5	CONTRACTOR	142-C-HT-B	PEDOC OR EQUAL	
10	LIGHTING PANEL, 240/120V, 1Ø, 3-WIRE, 100A MAIN CB CU BUS 22 KAIC, 16 CIRCUIT	3	CONTRACTOR	CC104-2208	RIPLEY OR EQUAL	PANEL LP2, LP3, LP4
11	LIGHTING PANEL DAYLIGHT SENSOR	3	CONTRACTOR	6390TF	RIPLEY OR EQUAL	
12	GAME COURT TIMER CONTROL	2	CONTRACTOR	LC-2233	RIPLEY OR EQUAL	

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SUNRISE ENGINEERING
6875 SOUTH 900 EAST
SALT LAKE CITY, UTAH 84047
TEL 801.523.0100 · FAX 801.523.0990
www.sunrise-eng.com

MAPLETON CITY

MOUNTAIN BIKE PARK
ELECTRICAL
SCHEDULES

SEI NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	CJP	CJP	JRK	03 of 09	E202

Z:\EIC\Projects\Mapleton\16247 mapleton bike park\04 Dwg\02 Electrical One-line Diagram & Schedules.dwg Feb 06, 2026 12:44pm connor.parker

PANEL LP2 MAPLETON BIKE PARK														CU Bus 10 KA SC Rating (RMS)			
VOLTAGE		PH	WIRE														
240/120		1	3 –WIRE	PANEL SCHEDULE CIRCUIT										100 AMP MAIN CB			
CKT NO.	AMPS	POLE	DESCRIPTION	LOAD (VA)			AMPS				LOAD (VA)			DESCRIPTION	POLE	AMPS	CKT NO.
				LIGHT	RECEP	OTHER	L1		L2		OTHER	RECEP	LIGHT				
1	30	2	TRACK LIGHTS ADVANCED	4660	0	0	19.4	1.5			0	180	0	RECEPTACLE PEDESTAL 1	1	20	2
3	–	–	' '	0	0	0			19.4	1.5	0	180	0	RECEPTACLE PEDESTAL 2	1	20	4
5	20	2	TRACK LIGHTS BEGINNER	2796	0	0	11.7	3.0			0	360	0	RECEPTACLE PEDESTAL 3, 4	1	20	6
7	–	–	' '	0	0	0			11.7	0.0	0	0	0		–		8
9	20	1	FLAGPOLE LIGHTING	75	0	0	0.6	0.0			0	0	0		–		10
11	20	1	PATHWAY LIGHTING	94	0	0			0.8	0.0	0	0	0		–		12
13		–		0	0	0	0.0	0.0			0	0	0		–		14
15		–		0	0	0			0.0	0.0	0	0	0		–		16
				7625	0	0	36		33		0	720	0				
			Subtotal Watts			7625							720	Subtotal Watts			
			Total Watts			8345							35	Average Amps			

NEC DIVERSIFIED LOAD CALCULATIONS			
LIGHTING AND CONTINOUS LOADS: (100% CONNECTED LOAD PLUS 25%)	7.6 kVA	Lighting Total kVA:	9.5
RECEPTACLES: (FIRST 10kVA @ 100%, REMAINDER @50%)	0.7 kVA	Receptacles Total kVA:	0.7
ALL OTHER LOADS @ 100%: MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED AT 125% PER NEC	0.0 kVA	Other Loads Total kVA:	0.0
		DIVERSIFIED TOTAL kVA	10.3
		AVERAGE AMPS PER PHASE	42.7

PANEL LP3 MAPLETON BIKE PARK														CU Bus 10 KA SC Rating (RMS)			
VOLTAGE		PH	WIRE														
240/120		1	3 –WIRE	PANEL SCHEDULE CIRCUIT										100 AMP MAIN CB			
CKT NO.	AMPS	POLE	DESCRIPTION	LOAD (VA)			AMPS				LOAD (VA)			DESCRIPTION	POLE	AMPS	CKT NO.
				LIGHT	RECEP	OTHER	L1		L2		OTHER	RECEP	LIGHT				
1	20	2	PARKING LOT LIGHTING	350	0	0	1.5	0.0			0	0	0		–		2
3	–	–	' '	0	0	0			1.5	0.0	0	0	0		–		4
5	20	1	PATHWAY LIGHTING	128	0	0	1.1	0.0			0	0	0		–		6
7	20	1	ENTRANCE LIGHTING	66	0	0			0.6	0.0	0	0	0		–		8
9		–		0	0	0	0.0	0.0			0	0	0		–		10
11		–		0	0	0			0.0	0.0	0	0	0		–		12
13		–		0	0	0	0.0	0.0			0	0	0		–		14
15		–		0	0	0			0.0	0.0	0	0	0		–		16
				544	0	0	3		2		0	0	0				
			Subtotal Watts			544							0	Subtotal Watts			
			Total Watts			544							3	Average Amps			

NEC DIVERSIFIED LOAD CALCULATIONS			
LIGHTING AND CONTINOUS LOADS: (100% CONNECTED LOAD PLUS 25%)	0.5 kVA	Lighting Total kVA:	0.7
RECEPTACLES: (FIRST 10kVA @ 100%, REMAINDER @50%)	0.0 kVA	Receptacles Total kVA:	0.0
ALL OTHER LOADS @ 100%: MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED AT 125% PER NEC	0.0 kVA	Other Loads Total kVA:	0.0
		DIVERSIFIED TOTAL kVA	0.7
		AVERAGE AMPS PER PHASE	2.8

PANEL LP4 MAPLETON BIKE PARK														CU Bus 10 KA SC Rating (RMS)			
VOLTAGE		PH	WIRE														
240/120		1	3 –WIRE	PANEL SCHEDULE CIRCUIT										100 AMP MAIN CB			
CKT NO.	AMPS	POLE	DESCRIPTION	LOAD (VA)			AMPS				LOAD (VA)			DESCRIPTION	POLE	AMPS	CKT NO.
				LIGHT	RECEP	OTHER	L1		L2		OTHER	RECEP	LIGHT				
1	20	1	PATHWAY LIGHTING	68	0	0	0.6	0.0			0	0	0	MAINTENANCE SHED (FUTURE)	1	20	2
3	20	1	RECEPTACLE PEDESTAL 5	0	180	0			1.5	0.0	0	0	0		–		4
5		–		0	0	0	0.0	0.0			0	0	0		–		6
7		–		0	0	0			0.0	0.0	0	0	0		–		8
9		–		0	0	0	0.0	0.0			0	0	0		–		10
11		–		0	0	0			0.0	0.0	0	0	0		–		12
13		–		0	0	0	0.0	0.0			0	0	0		–		14
15		–		0	0	0			0.0	0.0	0	0	0		–		16
				68	180	0	1		2		0	0	0				
			Subtotal Watts			248							0	Subtotal Watts			
			Total Watts			248							2	Average Amps			

NEC DIVERSIFIED LOAD CALCULATIONS			
LIGHTING AND CONTINOUS LOADS: (100% CONNECTED LOAD PLUS 25%)	0.1 kVA	Lighting Total kVA:	0.1
RECEPTACLES: (FIRST 10kVA @ 100%, REMAINDER @50%)	0.2 kVA	Receptacles Total kVA:	0.2
ALL OTHER LOADS @ 100%: MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED AT 125% PER NEC	0.0 kVA	Other Loads Total kVA:	0.0
		DIVERSIFIED TOTAL kVA	0.3
		AVERAGE AMPS PER PHASE	1.1

100% DESIGN

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REV NO.	COMMENT	DATE

REGISTERED PROFESSIONAL ENGINEER
06-Feb-2026
No. 362066
J. RANDALL KNAPP
STATE OF UTAH

SUNRISE ENGINEERING
6875 SOUTH 900 EAST
SALT LAKE CITY, UTAH 84047
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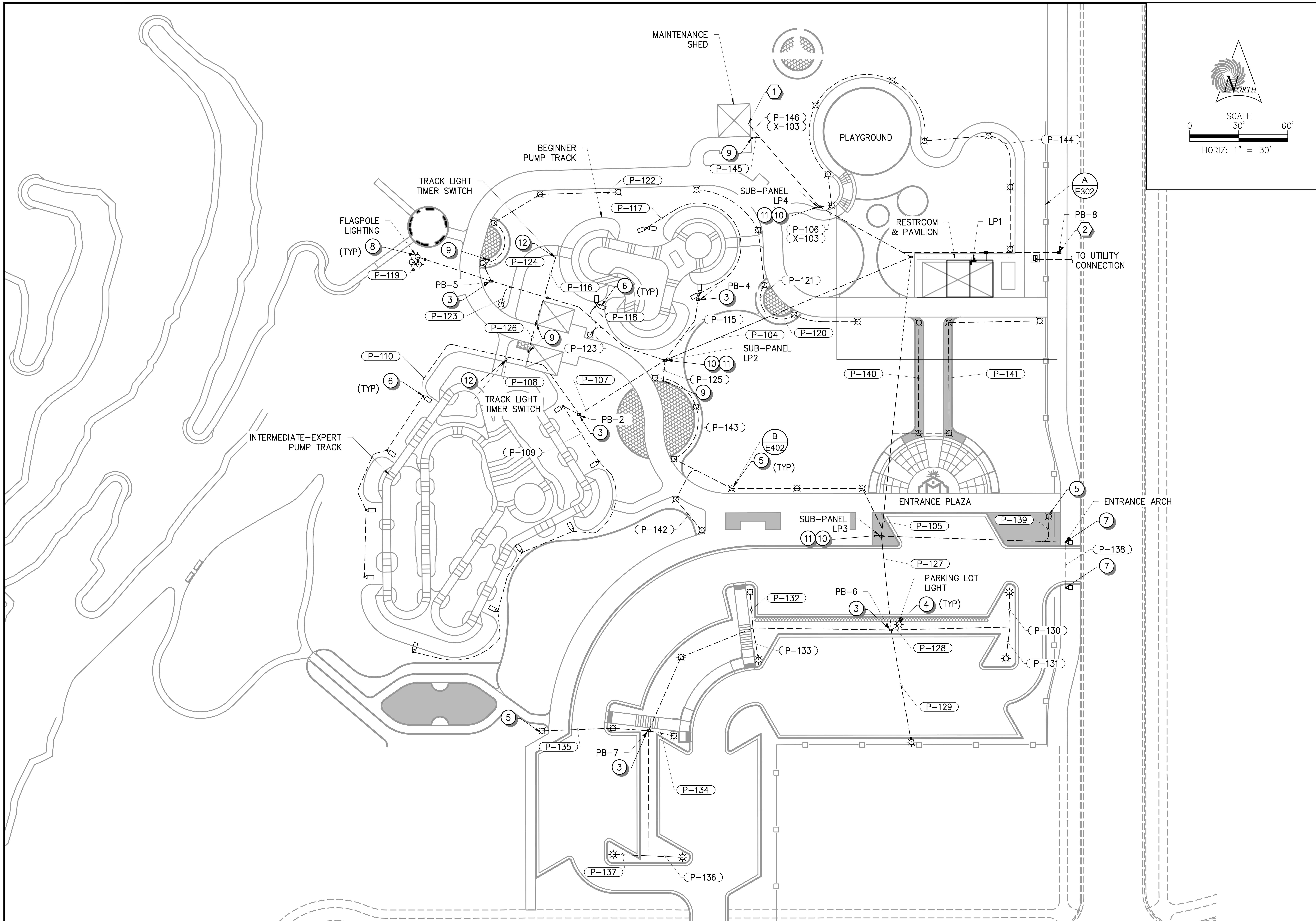
MAPLETON CITY

MOUNTAIN BIKE PARK
ELECTRICAL
SUB–PANEL SCHEDULES

SEI NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	CJP	CJP	JRK	04 of 09	E203

100% DESIGN



A ELECTRICAL SITE PLAN
SCALE 1" = 30' AT SHEET SIZE 22" x 34"

SHEET NOTES:

1. THE CONTRACTOR WILL BE RESPONSIBLE TO LOCATE ALL EXISTING UNDERGROUND UTILITIES BEFORE ANY EXCAVATION IS PERFORMED. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO NEW CONDITION OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. NOT ALL CONDUITS ARE SHOWN. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR INDIVIDUAL CONDUIT FILL REQUIREMENTS. CONDUIT LAYOUT SHOWN IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD ROUTE AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS AND AVOID OTHER STRUCTURES AS REQUIRED.
3. REFER TO DRAWING E202 FOR CONDUIT AND CONDUCTOR IDENTIFICATION.
4. X DENOTES ELECTRICAL EQUIPMENT IDENTIFICATION. REFER TO DRAWING E202 FOR ELECTRICAL EQUIPMENT SCHEDULE.

KEY NOTES

1. STUB AND CAP CONDUITS UP THROUGH FLOOR PAD FOR FUTURE USE.
2. REFER TO MAPLETON STANDARD SD-10 FOR ADDITIONAL INFORMATION REGARDING COMMUNICATIONS CONDUITS.

LIGHTING FIXTURE SYMBOL LEGEND

- PATHWAY LIGHTING (SEE EQUIPMENT SCHEDULE #5)
- TRACK LIGHTING (SEE EQUIPMENT SCHEDULE #6)
- PARKING LOT LIGHTING (SEE EQUIPMENT SCHEDULE #4)
- FLAGPOLE LIGHTING (SEE EQUIPMENT SCHEDULE #8)
- ENTRANCE LIGHTING (SEE EQUIPMENT SCHEDULE #7)

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06-Feb-2026
No. 362066
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MAPLETON CITY

MOUNTAIN BIKE PARK
ELECTRICAL
SITE PLAN

SEI NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	CJP	CJP	JRK	05 of 09	E301

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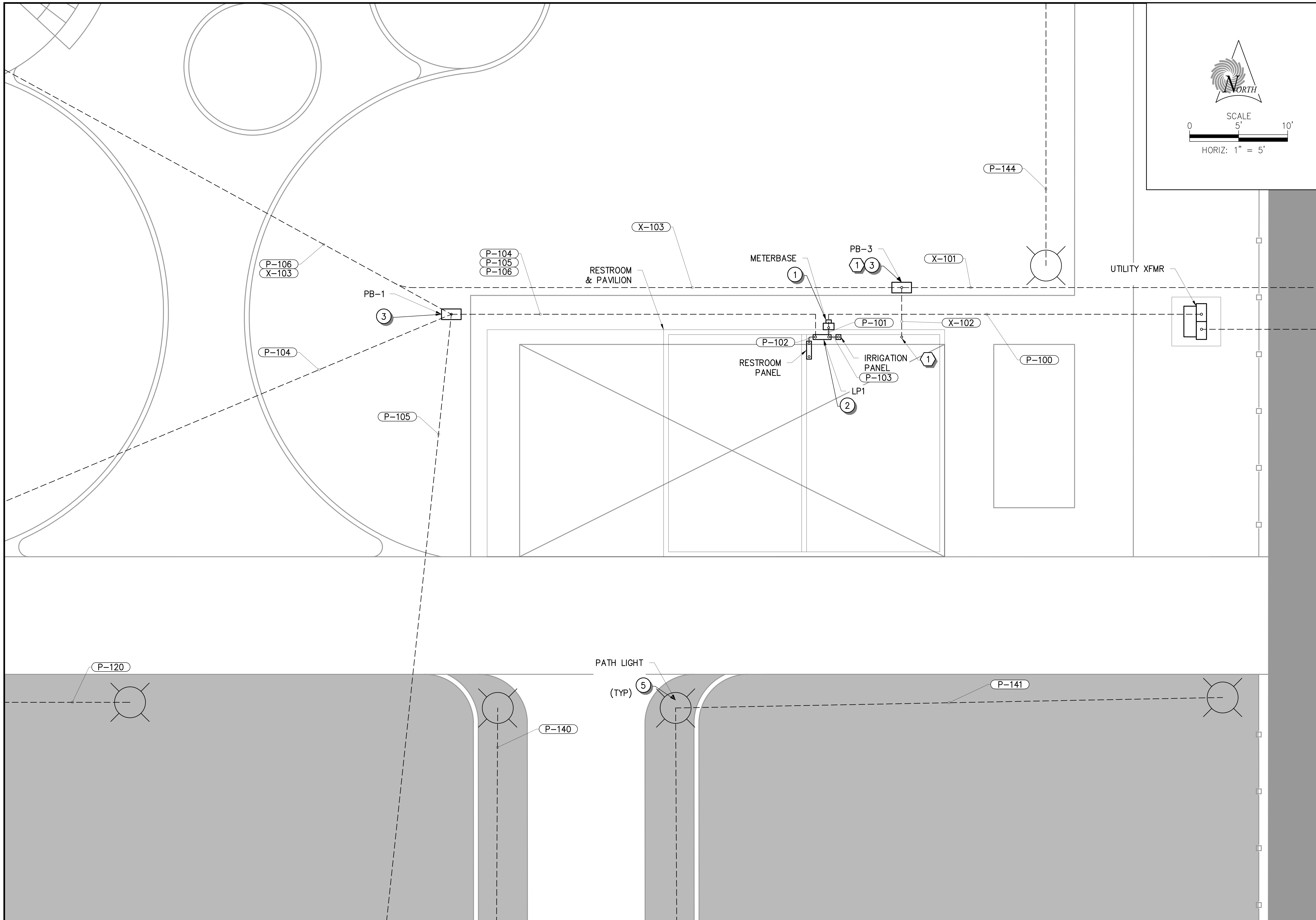

A ELECTRICAL SITE PLAN: RESTROOM / PAVILION
SCALE 1" = 5' AT SHEET SIZE 22" x 34"

100% DESIGN

SHEET NOTES:

1. THE CONTRACTOR WILL BE RESPONSIBLE TO LOCATE ALL EXISTING UNDERGROUND UTILITIES BEFORE ANY EXCAVATION IS PERFORMED. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO NEW CONDITION OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. NOT ALL CONDUITS ARE SHOWN. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR INDIVIDUAL CONDUIT FILL REQUIREMENTS. CONDUIT LAYOUT SHOWN IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD ROUTE AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS AND AVOID OTHER STRUCTURES AS REQUIRED.
3. REFER TO DRAWING E202 FOR CONDUIT AND CONDUCTOR IDENTIFICATION.
4. X DENOTES ELECTRICAL EQUIPMENT IDENTIFICATION. REFER TO DRAWING E202 FOR ELECTRICAL EQUIPMENT SCHEDULE.

KEY NOTES

1 REFER TO MAPLETON STANDARD SD-10 FOR ADDITIONAL INFORMATION REGARDING COMMUNICATIONS CONDUITS. COORDINATE EXACT CONDUIT STUB-UP LOCATION WITH OWNER PRIOR TO INSTALLATION.

LIGHTING FIXTURE SYMBOL LEGEND

PATHWAY LIGHTING (SEE EQUIPMENT SCHEDULE #5)

REV NO.	COMMENT	DATE

REGISTERED PROFESSIONAL ENGINEER
06-Feb-2026
No. 362066
J. RANDALL KNAPP
STATE OF UTAH

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MAPLETON CITY
MOUNTAIN BIKE PARK
ELECTRICAL
SITE PLAN: RESTROOM / PAVILION

SEI NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	CJP	CJP	JRK	06 of 09	E302

SCALE
0 15' 30'
HORIZ: 1" = 15'

SHEET NOTES:

1. THE CONTRACTOR WILL BE RESPONSIBLE TO LOCATE ALL EXISTING UNDERGROUND UTILITIES BEFORE ANY EXCAVATION IS PERFORMED. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO NEW CONDITION OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. NOT ALL CONDUITS ARE SHOWN. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR INDIVIDUAL CONDUIT FILL REQUIREMENTS. CONDUIT LAYOUT SHOWN IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD ROUTE AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS AND AVOID OTHER STRUCTURES AS REQUIRED.
3. X DENOTES ELECTRICAL EQUIPMENT IDENTIFICATION. REFER TO DRAWING E202 FOR ELECTRICAL EQUIPMENT SCHEDULE.

LIGHTING FIXTURE SYMBOL LEGEND

TRACK LIGHTING (SEE EQUIPMENT SCHEDULE #6)

100% DESIGN

A ~ ELECTRICAL PHOTOMETRIC SITE PLAN
SCALE 1" = 15' AT SHEET SIZE 22" x 34"

REV NO.	COMMENT	DATE

REGISTERED PROFESSIONAL ENGINEER
06-Feb-2026
No. 362066
J. RANDALL KNAPP
STATE OF UTAH

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MAPLETON CITY
MOUNTAIN BIKE PARK
ELECTRICAL
PHOTOMETRICS

SEI NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	CJP	CJP	JRK	07 of 09	E303

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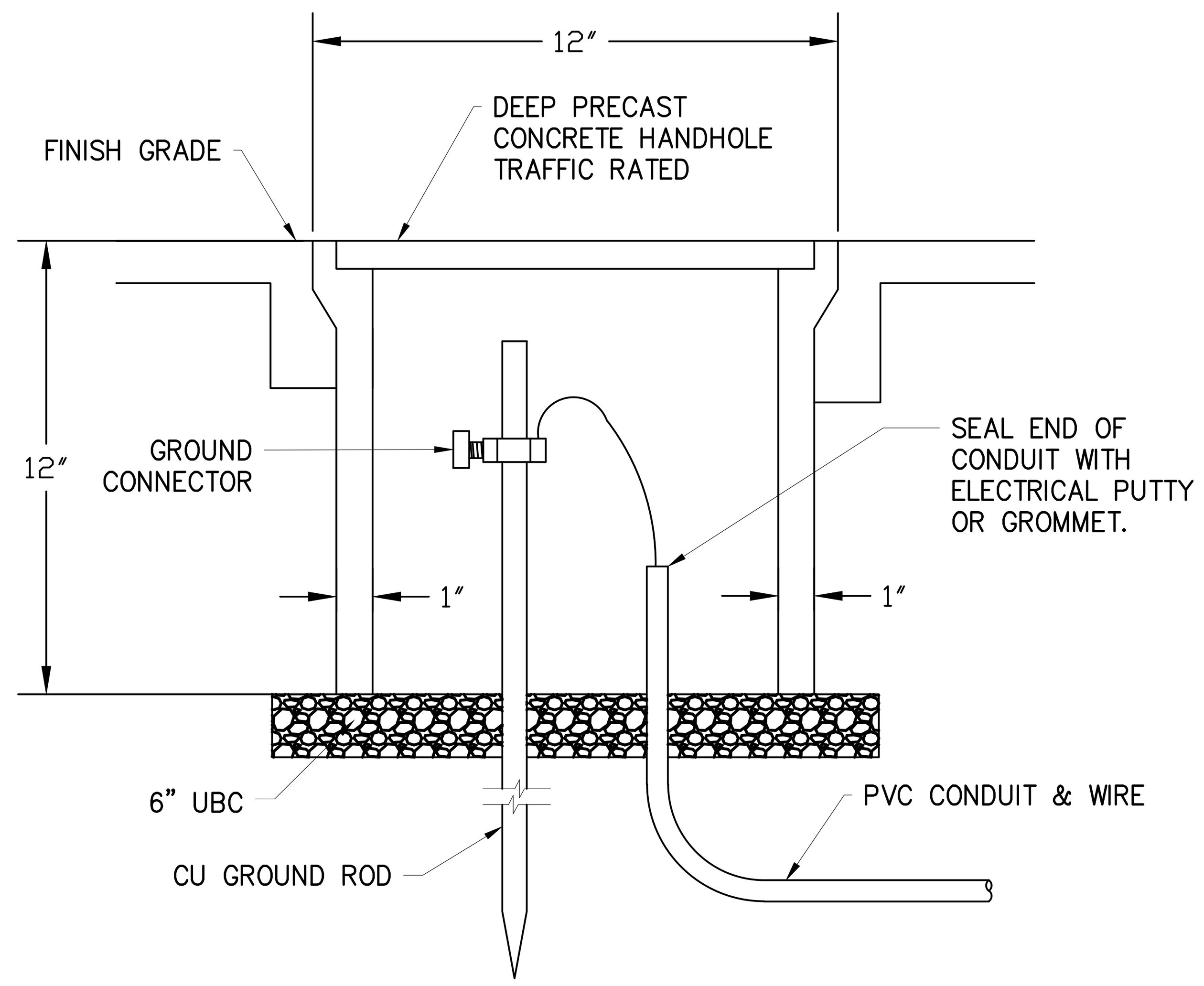
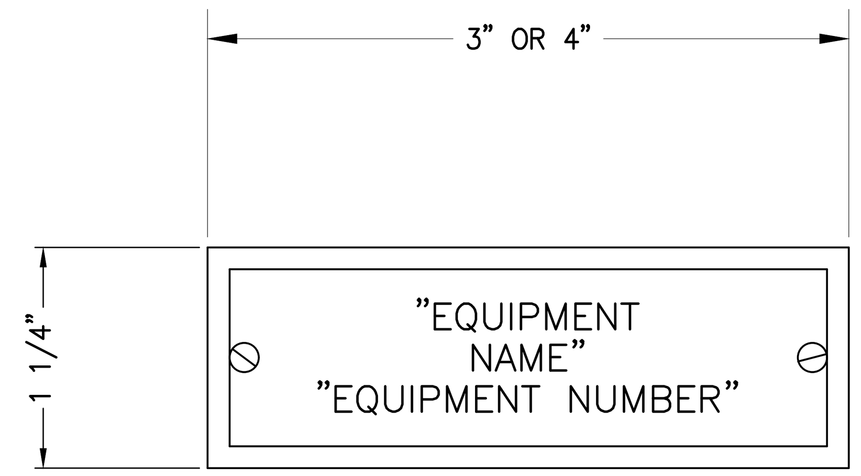
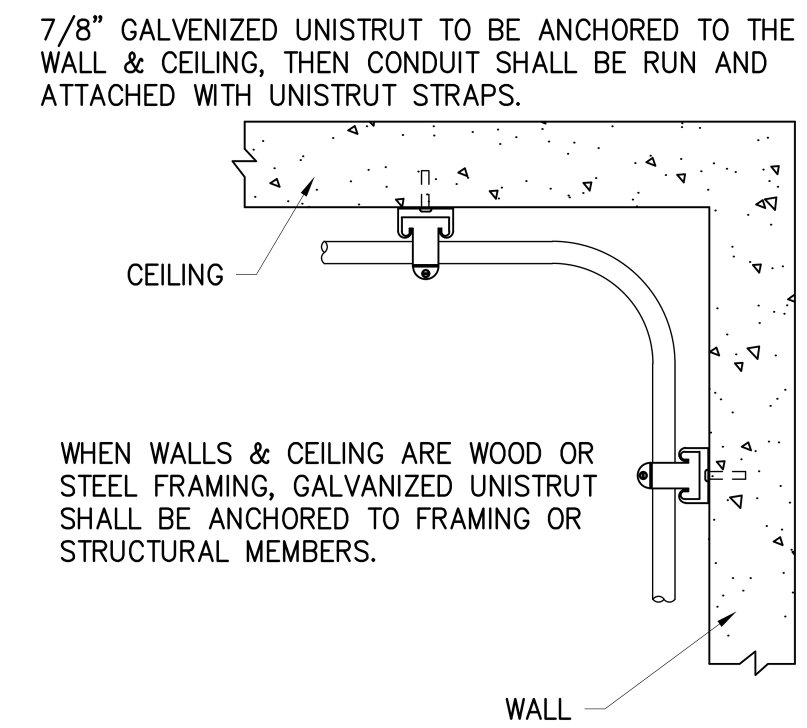


A ~ DETAIL - GROUND WELL
N.T.S.

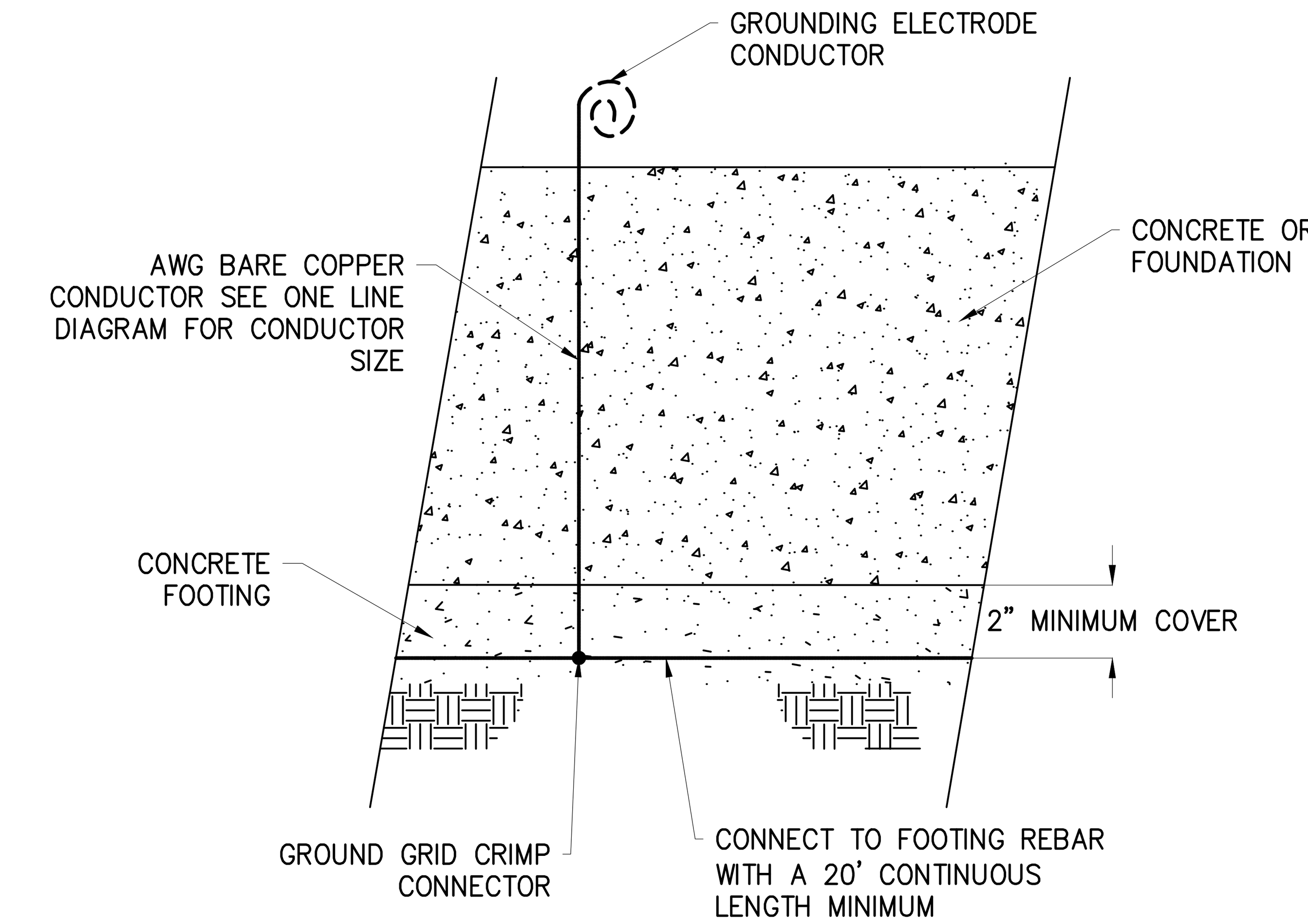


1. ALL LETTERS TO BE WHITE 1/4" HIGH, ON A BLACK BACKGROUND UNLESS NOTED OTHERWISE.
2. ALL NAMEPLATES TO BE MOUNTED ON THE VERTICAL CENTER LINE OF THE CUBICLE OR DEVICE.
3. ATTACH ALL NAMEPLATES WITH STAINLESS STEEL SCREWS.
4. PROVIDE BLANK NAMEPLATES FOR ALL SPARE AND AN ADDITIONAL TEN PERCENT FOR FUTURE DEVICES.

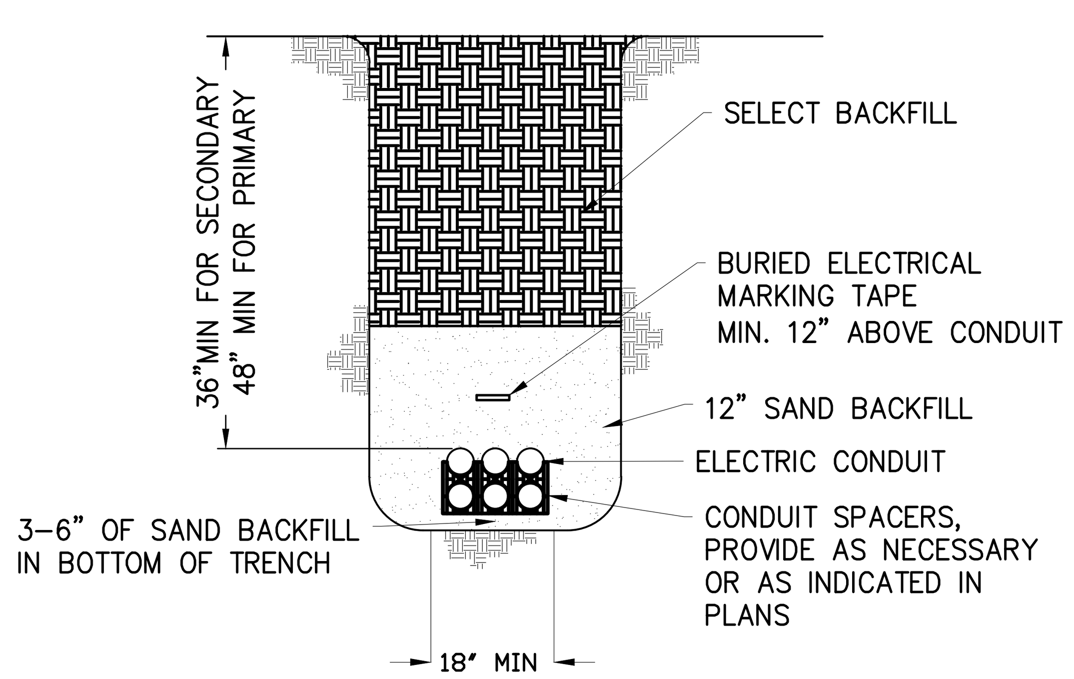
B ~ DETAIL - NAMEPLATE
N.T.S.



C ~ DETAIL - CONDUIT MOUNT
N.T.S.

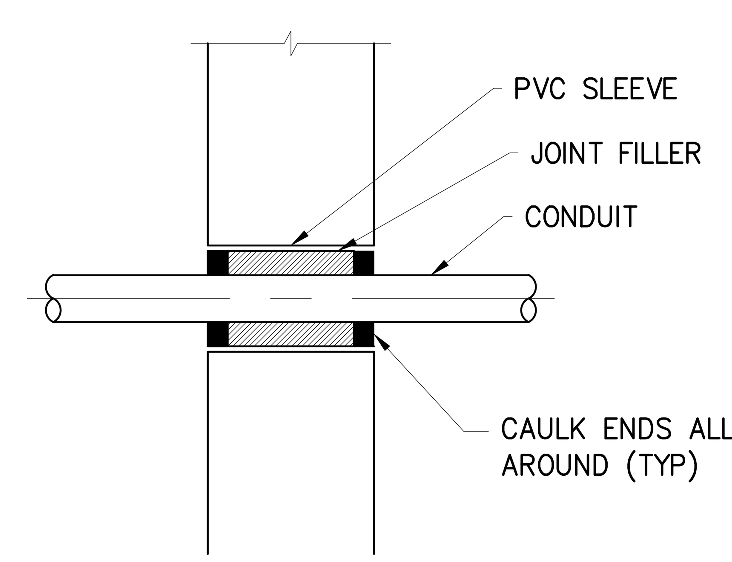


D ~ DETAIL - UFER CONCRETE ENCASED
N.T.S.



1. WARNING TAPE MUST BE PLACED ON TOP OF CONDUIT (5 MILS THICKNESS)
2. ALL TRENCHES MUST BE INSPECTED PRIOR TO BACKFILLING
3. TRENCHES SHOULD BE SPOT BACKFILLED TO PREVENT MOVEMENT OF TAPE DURING BACKFILL.
4. SELECT BACKFILL MUST BE COMPACTED IN 1 FOOT LIFTS TO PREVENT SETTLING.

E ~ DETAIL - UNDERGROUND CONDUIT POWER CABLE TRENCH
N.T.S.



F ~ CONDUIT PENETRATION
N.T.S.

100% DESIGN

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06-Feb-2026
No. 362066
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MAPLETON CITY

MOUNTAIN BIKE PARK
ELECTRICAL
DETAILS

SEI NO.	DESIGNED	DRAWN	CHECKED	SHEET NO.	
S16247	CJP	CJP	JRK	08 of 09	E401

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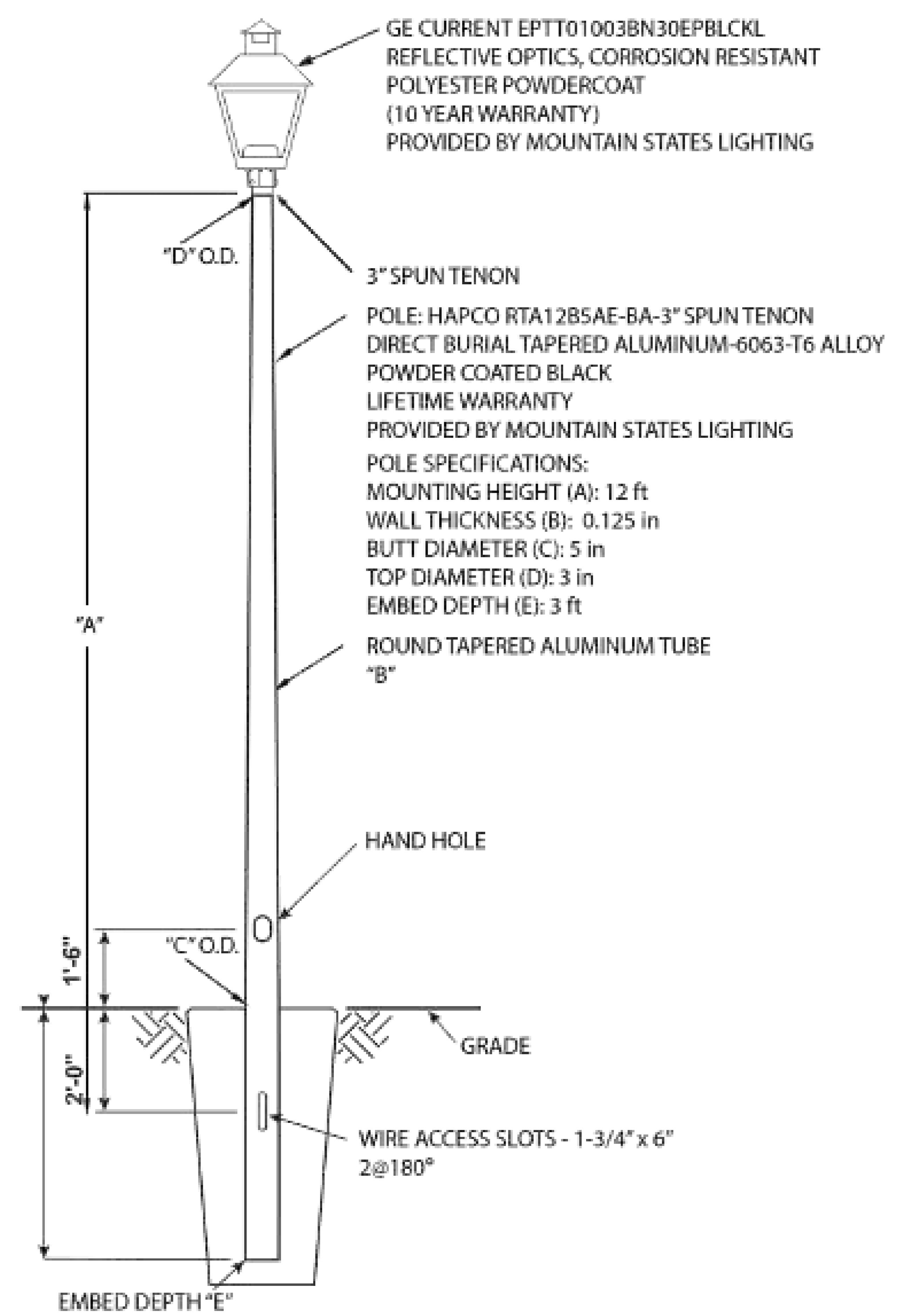
100% DESIGN

FIXTURE RATINGS

IP65
Weight: 18 lbs
EPA: 1.6FT²

MAPLETON
125 West 400 North
Mapleton, UT 84664
801-806-9114



MOUNTAIN STATES LIGHTING
MURRAY, UTAH
CONIFER, COLORADO
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Xavier Maestas
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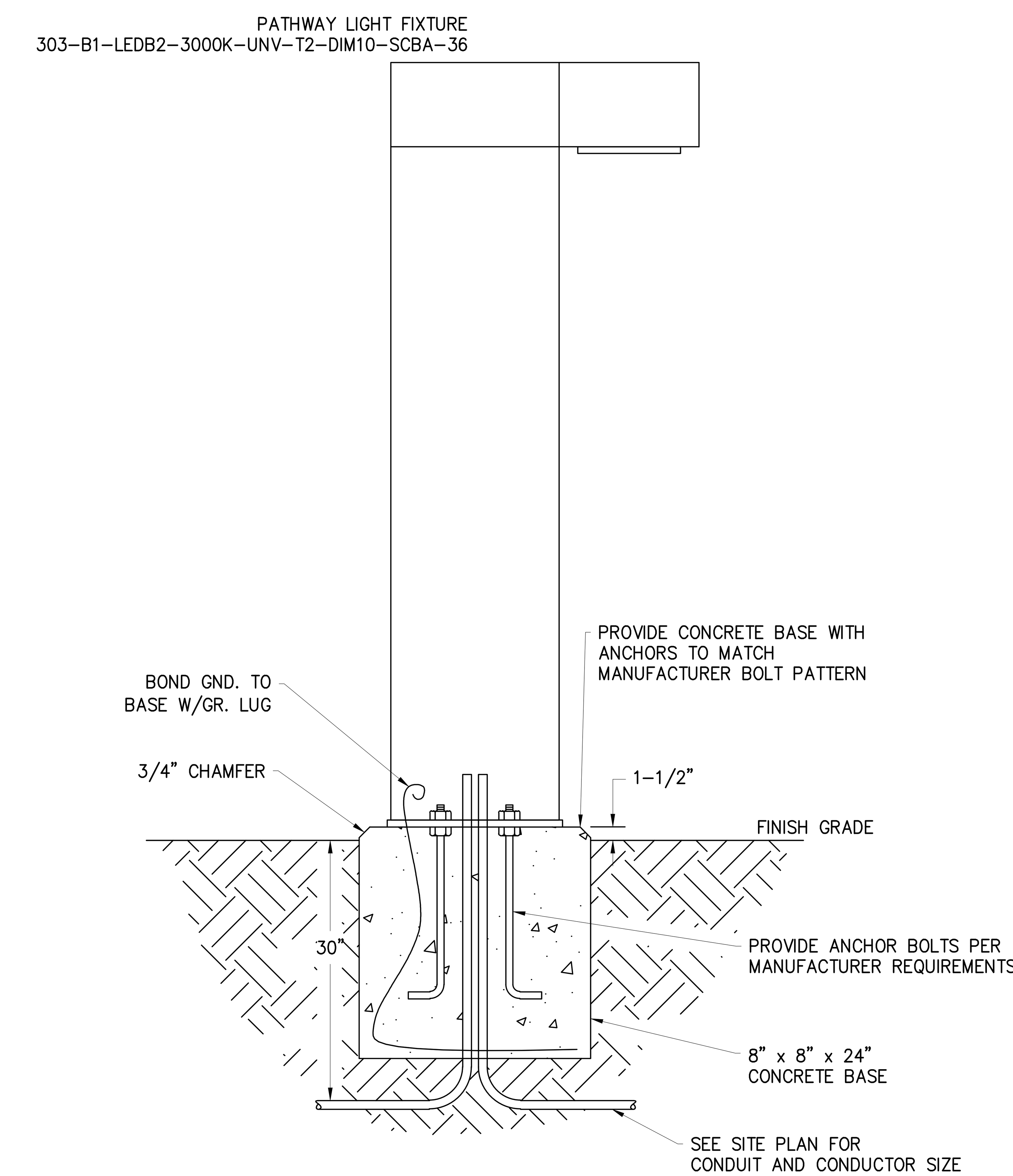
c:801-971-9643
o:801-268-4879

Residential EPTT

SCALE:	DATE:	DRAWN BY:	DRAWING NUMBER:
NTS	9-17-21	XEM	MC-LP01

CITY APPROVAL:

A ~ DETAIL - RESIDENTIAL EPTT
N.T.S.



B ~ DETAIL - TYPICAL BOLLARD FIXTURE MOUNTING
N.T.S.

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REV NO.	COMMENT	DATE

REGISTERED PROFESSIONAL ENGINEER 06-Feb-2026 No. 362066 J. RANDALL KNAPP STATE OF UTAH

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MAPLETON CITY
MOUNTAIN BIKE PARK
ELECTRICAL
DETAILS

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S16247	CJP	CJP	JRK	09 of 09	E402

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MAPLETON BIKE PARK

SHEET SCHEDULE	
SHEET	CONTENTS
A1.1	TITLE PAGE & SPECIFICATIONS
A2.1	FLOOR PLAN & SPECIFICATIONS
A2.2	ELEVATION VIEWS & SPECIFICATIONS
S3.1	CMU PLAN, DETAILS, & SPECIFICATIONS
S4.1	FOUNDATION PLAN, DETAILS, & SPEC'S

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

MAPLETON BIKE PARK STRUCTURES
SECTION 13 34 23 - PRE-ENGINEERED ROMTEC BUILDING

Specification Date: 1/16/2026

SECTION 1: BUILDING PACKAGE OVERVIEW

1.1. SUMMARY

A. Owner will provide a pre-engineered Romtec building package for onsite installation by the building installer and/or contractor (see definitions and scope of work in sections below).

B. The following is an overview of the scope and products included in the Romtec building package.

1.2. OVERVIEW

A. Building package design, engineering, and furnishing all specified building package components shall be provided by Romtec, Inc.

B. The building and its concrete footings, foundation, and slab shall be engineered by Romtec to meet site specific conditions including wind and snow loading, local frost depth, and ground conditions.

C. Building shall be designed to meet local codes and permitting authority approvals for permanent structures.

D. The reviewing authority reserves the right to review or reject all submittals at its sole discretion.

E. All work and materials shall comply with the latest industry building codes and regulations for the state where the project is located.

F. Americans with Disabilities Act Accessibility Guidelines (ADAAG) will be followed in design, manufacture, and construction.

1.3. DESIGN & SUBMITTAL DOCUMENTATION

A. Romtec's work shall include the design of the architectural, mechanical, structural, and electrical components that will be required for this building.

B. The building will be designed as a complete building package to be delivered to the job site for construction on-site by the building installer and/or contractor.

C. Romtec shall submit the packaged restroom building preliminary Scope of Supply and Design Submittal (SSDS), including the building plan view and elevation drawings.

D. Romtec will provide complete submittal documentation in the Romtec's standard electronic submittal format for review.

E. The preliminary SSDS will be reviewed by relevant parties and returned to Romtec with any required revisions to the terms, product data sheets, and/or building plan view and elevation drawings noted as comments.

F. Romtec shall make any required corrections or revisions and resubmit the preliminary SSDS until the preliminary SSDS is approved by the relevant parties.

G. Once the preliminary SSDS has been approved, Romtec will provide full sealed plan sets stamped by an engineer licensed in the state that the building is located for review by the permitting authority.

H. Up to three (3) wet stamped sets of the plans and structural calculations shall be provided by Romtec before any additional fees apply. Standard plan set size is 11" x 17".

I. Permitting authority will review the full sealed plan set and return with any required revisions or corrections noted as comments.

J. Romtec shall provide one full round of sealed plan revisions in response to permitting authority comments before any additional fees are allowed.

K. The following sections shall be included in Romtec's preliminary Scope of Supply and Design Submittal. Incomplete submittals will be rejected and returned for revision.

(1) INTRODUCTION
(2) BUILDING DESIGN,
  (a) SUPPLIED ITEMS
  (b) EXCLUDED ITEMS
  (c) PLAN VIEW AND ELEVATION DRAWINGS
(3) PRODUCT DATA
(4) WARRANTY & LIMITATIONS

Note: Overall site plan is not part of Romtec's scope.

1.4. DELIVERY, STORAGE, AND HANDLING

A. Romtec's freight shall be based on delivering the product on a 48' to 53' flatbed or van truck and trailers, or as close to those dimensions as can legally access the site. Overall dimensions of the truck and trailers are: 70' overall length, 102" wide and 168" high.

B. Romtec shall deliver organized building package components in stages as shrink-wrapped pallets that correspond to a typical sequence of construction. A bill of material stating the stages of palletized components shall be included with every delivery. All stages as applicable.

(1) Stage 1 pallets shall include structural components such as block, frames, vents, beams, connectors, trusses, etc.

(2) Stage 2 pallets shall include second stage structural components such as filler wall material, windows, skylights, roofing, etc.

(3) Stage 3 pallets shall include structural finish components such as siding material, tile, doors etc.

(4) Stage 4 pallets shall include plumbing and electrical fixtures and other finish materials such as toilets, sinks, drinking fountains, electrical fixtures, accessories, etc.

C. Romtec shall coordinate the delivery with the receiving entity (owner, building installer, and/or contractor) as appropriate.

1.5. WARRANTY

A. The building package and all associated components provided by Romtec shall be warranted against defects in materials and workmanship for a period of not less than one (1) year from the date of acceptance. Acceptance is the date of delivery of the building package, or, if delivery is delayed for any reason beyond Romtec's control, the date that the building and all its associated components were ready to deliver.

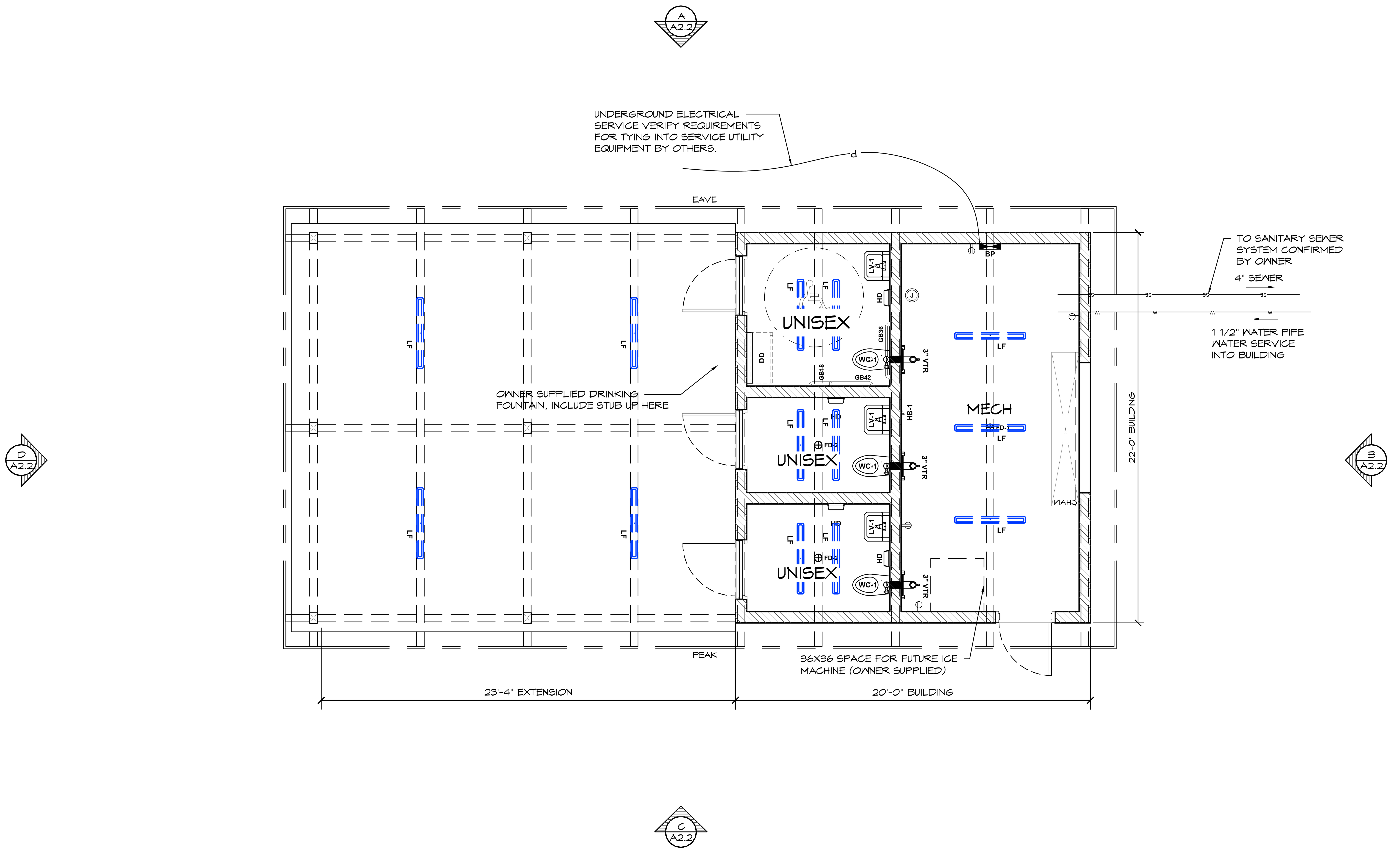
B. Romtec shall pass through to owner all relevant manufacturers' warranties for individual products and components of the building package.

PRELIMINARY

THESE PLAN VIEW AND ELEVATION DRAWINGS ARE A PRELIMINARY ARCHITECTURAL REPRESENTATION OF THE BUILDING. ALL DIMENSIONS, FEATURES AND COMPONENTS SHOWN ON THESE PRELIMINARY DRAWINGS MAY OR MAY NOT BE PART OF THE QUOTE. PLEASE REFER TO THE "SCOPE OF SUPPLY AND SERVICES" LETTER PROVIDED WITH YOUR QUOTE FOR ROMTEC'S PROPOSED SCOPE OF SUPPLY.

ROMTEC
www.romtec.com
(541) 496-3541 FAX (541) 496-0803

PROJECT: MAPLETON BIKE PARK
MAPLETON, UTAH
SHEET TITLE: TITLE PAGE & SPECIFICATIONS
PROJECT #: 2878A
DATE: 01/16/26
DRAWN BY: JMW
REV. DATE BY
REVISIONS:
SHEET NO. A1.1



1 FLOOR PLAN

SCALE: 1/4" = 1'-0"

A
D B
C

SECTION 2: BUILDING PACKAGE PRODUCTS

2.1. MANUFACTURER

A. Romtec, Inc.
18240 North Bank Road, Roseburg, OR 97470
Tel: 541-496-3541; Fax: 541-496-0803
Email: RIsales@romtec.com
Web: www.Romtec.com

2.2. BUILDING DESCRIPTION

A. Refer to plans for quantities, dimensions, locations, and installation methods for the materials and items described in this section.

B. Building dimensions shall match what is indicated on drawings.

C. Romtec will supply the building package products to owner.

D. Owner will supply the Romtec building package products to building installer and/or contractor.

2.3. PLUMBING FIXTURES & ACCESSORIES

A. Toilet shall be wall mount, top supply, white vitreous china.

(1) Flush valve shall be a exposed, sensor.

B. Lavatory shall be 19 in. x 17 in. white vitreous china and wall hung with anti-splash rim and concealed front overflow.

(1) Faucets shall be motion sensor, hard wired with transformer.

C. Grab bars shall be stainless steel.

D. Toilet paper dispenser shall be supplied by Owner.

E. Soap dispenser shall be supplied by Owner.

F. Surface mounted baby changing station shall be solid light grey (9631) molded bacterial-resistant, high-density polyethylene. Steel to steel support hinges with pneumatic gas shock mechanism. Unit shall have integrated liner dispenser and bag hooks. Unit shall have an anti-microbial safety belt. Unit shall be operable with less than 5lbs. of force and comply with ASTM F2285 Standard. Baby changing station for ADA restroom only.

G. Drinking fountain shall be supplied by Owner.

H. Hose bibs located in mechanical room and under pavilion by drinking fountain.

2.4. ELECTRICAL

A. Interior and exterior light fixtures shall be supplied by Owner.

(1) Restroom lights controlled by motion sensor.

(2) Mech room lights controlled by switch (switches by installer).

B. Electric, hard wired hand dryers.

C. Main breaker panel.

(1) Breaker Panel shall be 100 Amp, single-phase, indoor.

Note: Breaker panel shall be sized to accept only the loads of the Romtec electrical fixture package. Romtec should modify the main breaker panel as needed to be most efficient based on any design changes.

2.5. STRUCTURE

A. Concrete Masonry Units (CMU).

(1) Walls shall be constructed of 8"W x 16"L x 8"H smooth-face mortar joint concrete masonry units (concrete blocks).

(2) Blocks shall be manufactured to ASTM C90 designation for load bearing concrete masonry units.

(3) Block color to be Gray.

B. Exterior wall finish shall be fiber cement lap siding above Chardonnay Country Ledgestone stone veneer accent siding.

C. Sanitary tile cove base on interior restroom walls.

D. Wall vents for natural ventilation.

(1) Pre-assembled steel frame with 10-gauge, 1" square lock joint wire weave mesh and interior louver with integral insect screen.

(2) Vents are primed and painted black.

E. Door system components

(1) Doors shall be Steelcraft® SL18 standard laminated honeycomb core and 18-gauge galvanized steel.

(2) Door frame shall be pre-welded Steelcraft® 3-Sided flush frame, 16-gauge galvannealed A-60 steel.

(3) Doors and frames to be powder coated with undercoating (color to be selected by owner).

(4) Masonry door clips (3/16" dia.) for door frame shall be fitted between the doorframe and concrete blocks to bond frame to wall. Door clips allow full internal grouting of the frame during installation.

(5) Hinges shall meet ANSI A5112 with non-removable pin and two ball bearings.

(6) Hager 5100 Series Grade 1 door closer is constructed of cast iron, which makes it ideal for heavy duty, high use and abusive environments.

(7) Doors to have pull handles with stainless steel plates and deadbolt locks.

(8) Restroom doors to have Hager 3700 series interconnected locks with occupancy indicator.

(9) Door lock shall be Grade 2, standard duty commercial cylindrical lever locks with no exposed mounting screws.

PRELIMINARY

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ROMTEC
www.romtec.com

PROJECT: MAPLETON BIKE PARK
MAPLETON, UTAH

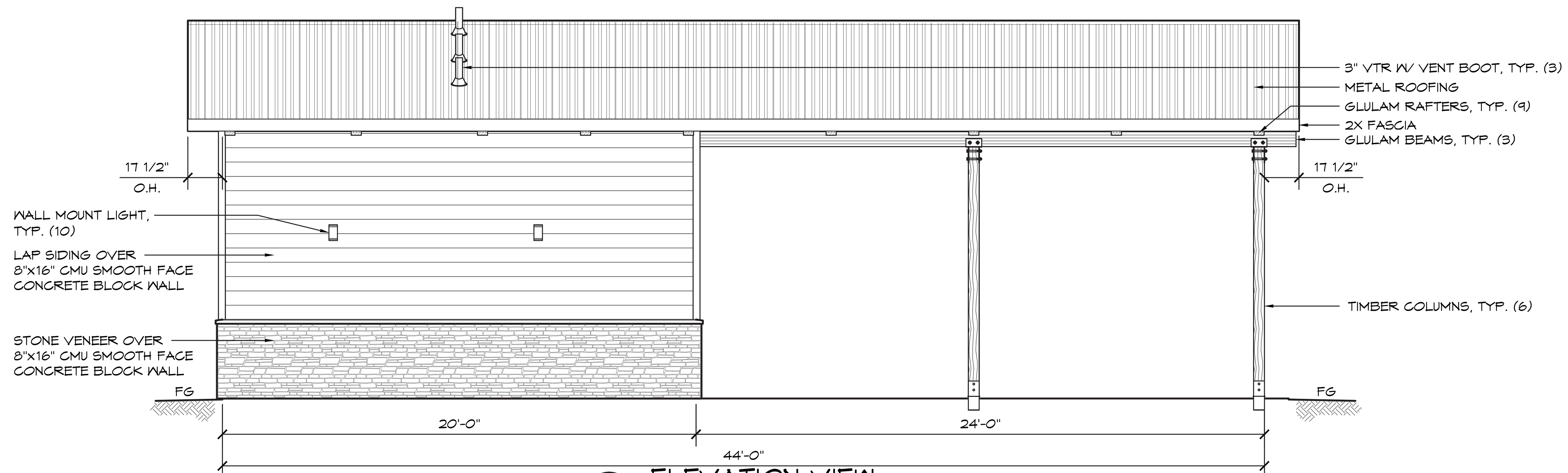
SHEET TITLE: FLOOR PLAN & SPECIFICATIONS

PROJECT #: 2878A
DATE: 01/16/26
DRAWN BY: JMW

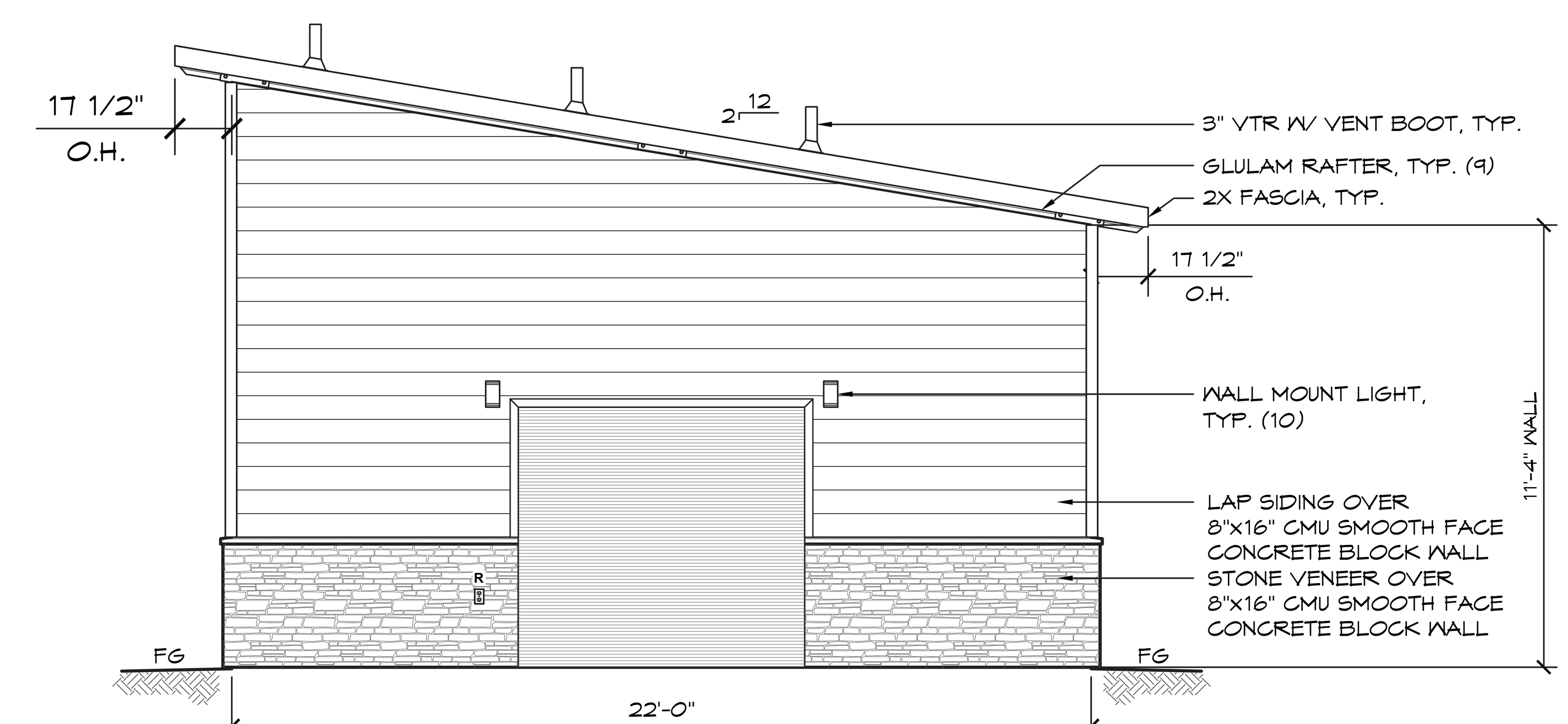
REV.	DATE	BY

REVISIONS:

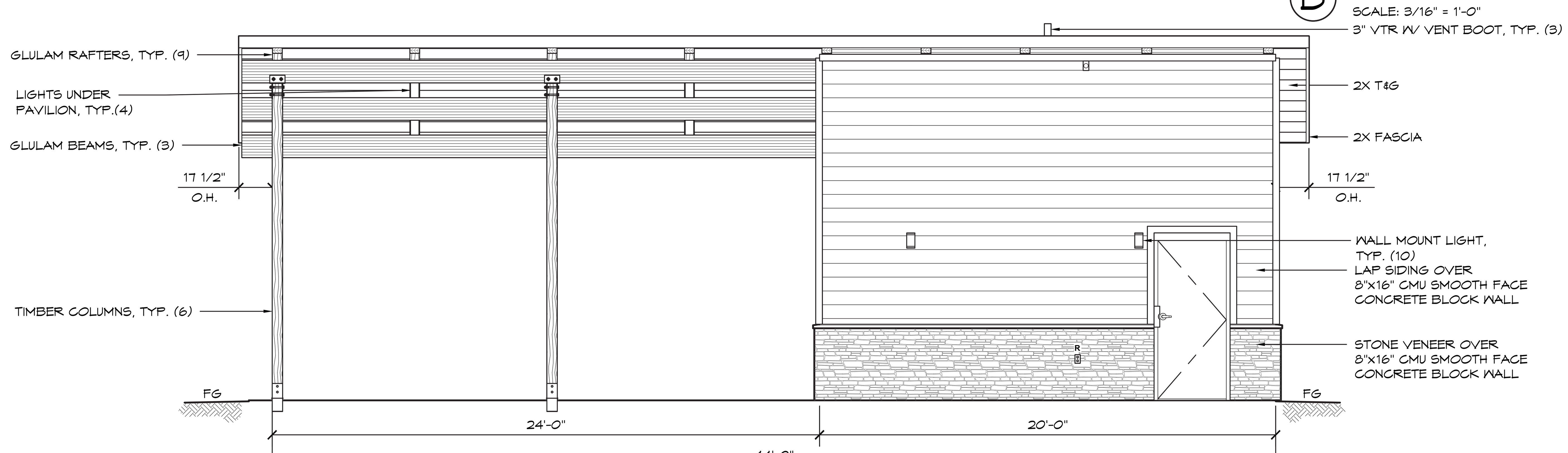
SHEET NO. A2.1



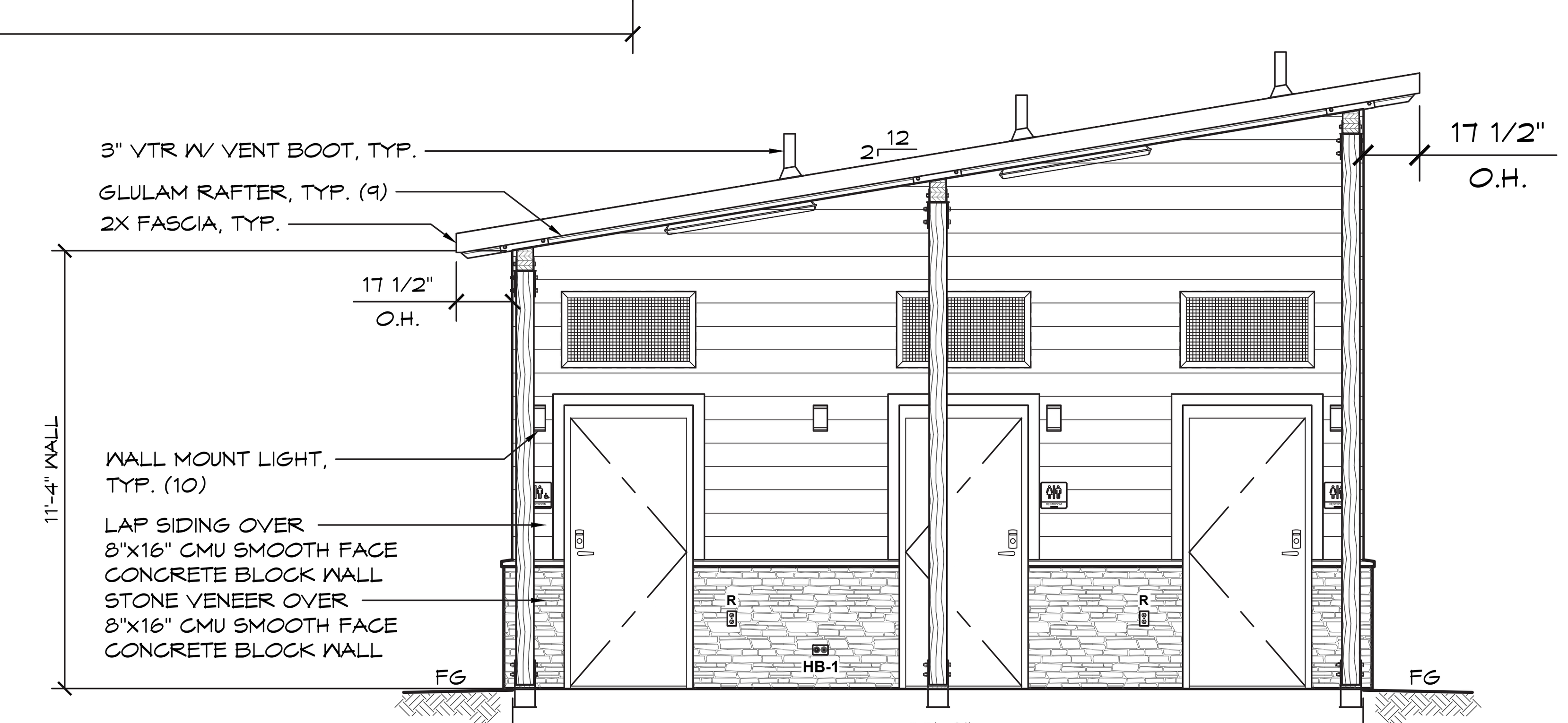
A ELEVATION VIEW
SCALE: 3/16" = 1'-0"



B ELEVATION VIEW
SCALE: 3/16" = 1'-0"



B ELEVATION VIEW
SCALE: 3/16" = 1'-0"



D ELEVATION VIEW
SCALE: 3/16" = 1'-0"

(10) Hager 341C latch protection plate with lock cut out.

(11) Roll-up utility door located on mechanical room.

2.6. ROOFING

A. Roof system.

(1) Glulam beam shall be 24F-V4 and architectural grade.

(2) Tongue & groove decking shall be 2x6 V-edge deck boards, select deck Douglas fir.

B. Roof Extension: 24' Glulam truss and post.

C. Roofing shall be Fabral, 26-gauge, Horizon 16, standing seam panels, with 16 in. coverage width.

(1) Roofing package shall include inside and outside foam closures, matching trim (eaves, gables, and ridge) and fasteners, sheet metal flashing (all sides), and 30# felt (under metal).

(2) Roofing color to be selected by the owner from the manufacturers standard color chart.

SECTION 3: BUILDING INSTALLER SCOPE

The installing contractor or subcontractor, hereafter designated as the building installer, is responsible for building package installation. Building installer work will generally include foundation/pad construction and building package assembly/construction.

Note: Romtec's scope is separate from the building installer's scope. Romtec, Inc., is the approved building package supplier, not a designated building installer.

3.1. CONSTRUCTION SUBMITTALS

A. If required by owner and/or reviewing authority, building installer shall submit product data sheets and relevant information about the specified building installer supplied products below for review and approval.

3.2. WARRANTY

A. Building installer's work shall be warranted against defects in materials and workmanship for a period of not less than one (1) year from the date of acceptance. Acceptance is the date that installation work for the building package is completed, including any relevant final punch list. If final acceptance of the completed building is delayed for reasons beyond building installer's control, the warranty shall be one (1) year from the completion of building installer's installation work and demobilization.

B. Building installer shall pass through to owner all relevant manufacturers warranties for individual products and components supplied by building installer.

3.3. STRUCTURE

A. Masonry (concrete) grout shall be supplied and installed by building installer.

(1) Grout shall have a minimum compressive strength of 2,500 psi at 28 days, 9+/-1" slump, with max ½" aggregate, or as required in final approved plans.

(2) Fine or coarse grout may be used in accordance with 2009 UBC.

(3) All CMU block must be fully grouted and may not be wetted.

Note: If required for installation, building installer will be responsible for providing appropriate equipment and labor for notching CMU block for bond beams, cutting CMU block to make any required shapes, and/or grinding CMU block for fixture mounting.

B. Rebar for walls shall be supplied and installed by building installer.

(1) All walls shall have # 4 and # 5 rebar. See final approved plans for spacing.

(2) All rebar used in the building must meet ASTM A615 manufacturing standards and is to be placed per the final approved plans.

C. Interior block wall finish shall be latex epoxy paint supplied and installed by building installer.

D. Ceiling finish shall be supplied and installed by building installer per the final approved plans.

E. Interior floors to be sealed concrete finish supplied by building installer.

F. Sealant for all exposed wood shall be supplied and installed by building installer.

G. Sealant for all exterior CMU block is required, to be supplied and installed by building installer.

H. Doors and frames are factory primed to be painted on-site by building installer.

I. Fiber cement siding is primed to be painted on-site by building installer.

J. Rain gutters and downspouts are supplied and installed by building installer.

3.4. ELECTRICAL

A. Electrical rough-in, installation and trim shall be provided by building installer.

(1) All underground and/or overhead service to building shall be as specified in the final site plan.

(2) Building installer is responsible for all necessary wire, connectors, grounding, conduit, and related items to install the building package electrical components and meet all relevant national, state, and local codes.

(3) Building installer shall supply and install all switches and outlets required to complete the building package installation.

3.5. CAST IN-PLACE CONCRETE FOR BUILDING PACKAGE

A. All equipment, labor, trades, and materials for cast-in-place concrete shall be

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ROMTEC
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(541) 496-3541 FAX (541) 496-0803

PROJECT: MAPLETON BIKE PARK
MAPLETON, UTAH

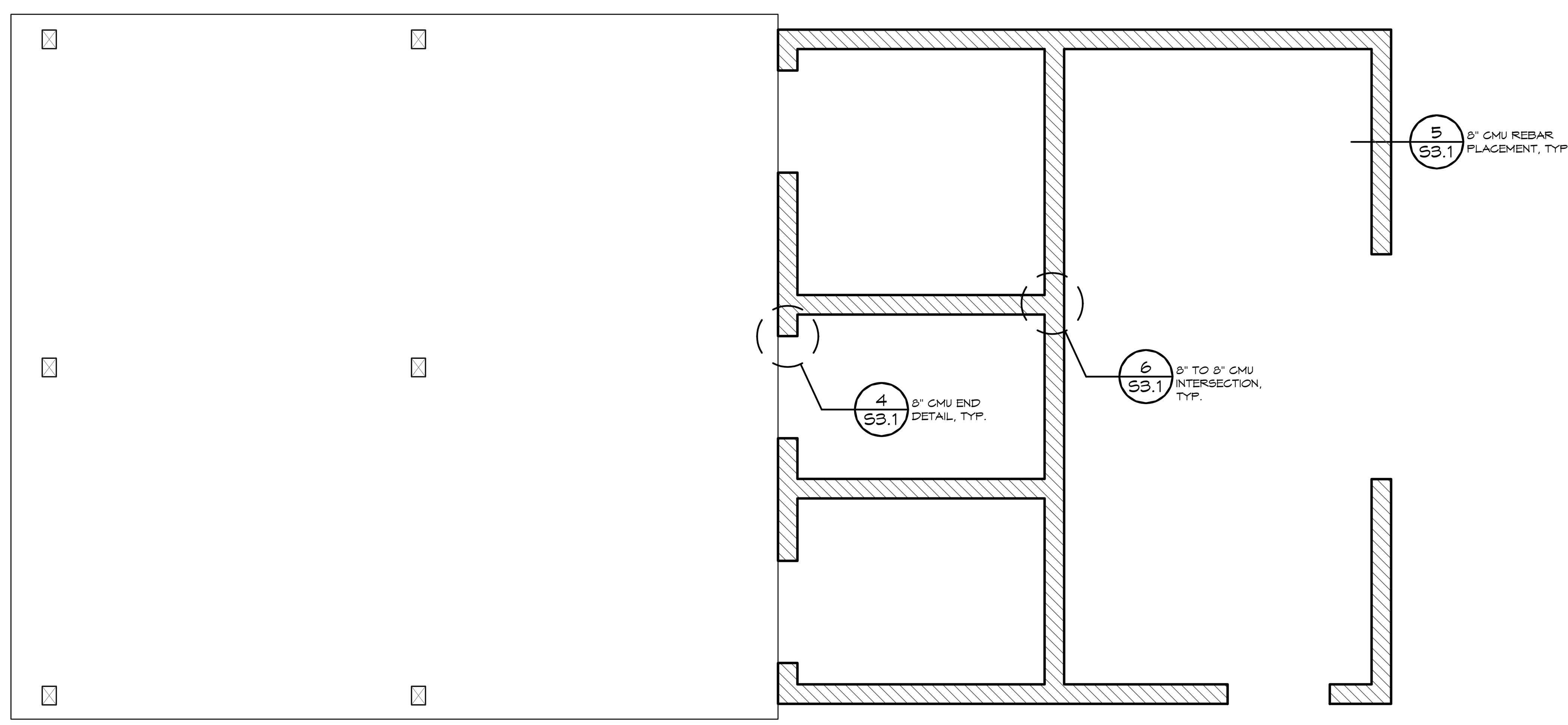
SHEET TITLE: ELEVATIONS & SPECIFICATIONS

PROJECT #: 2878A
DATE: 01/16/26
DRAWN BY: JMW

REV	DATE	BY

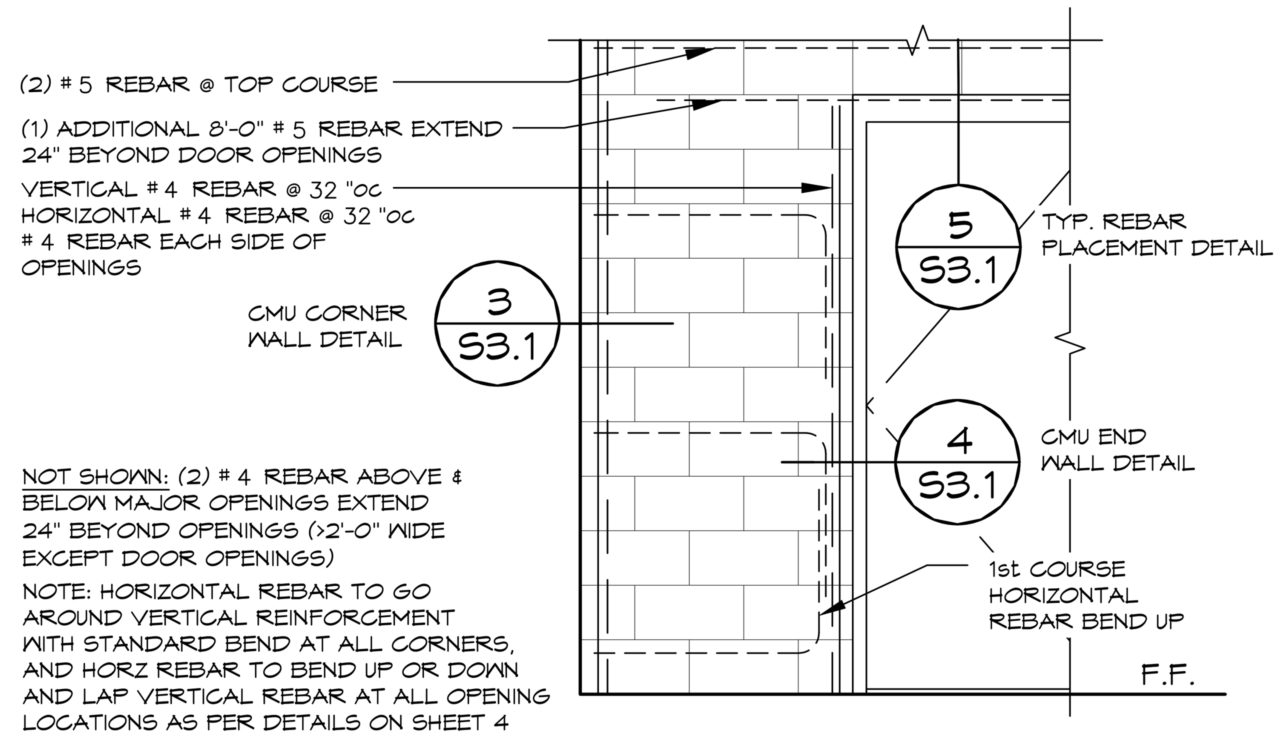
REVISIONS:

SHEET NO. A2.2



A STRUCTURAL CMU PLAN

SCALE: 1/4" = 1'-0"



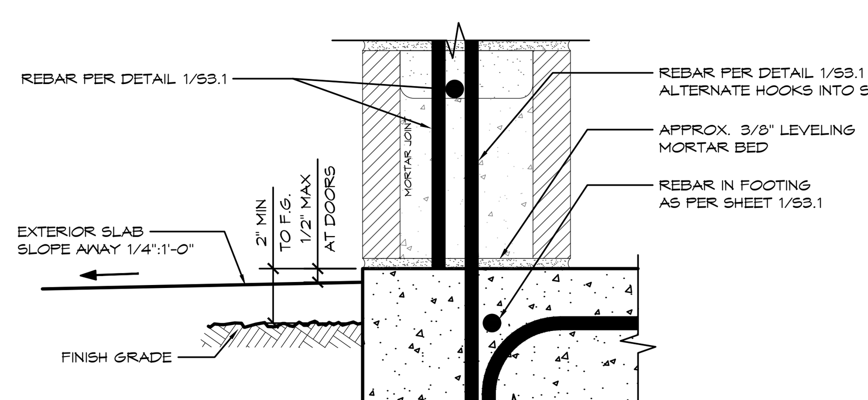
CMU REBAR SCHEDULE		
REBAR	MIN. LAP	BEND DIAMETER
#4	24"	3" MIN.
#5	30"	3-3/4" MIN.

CMU REBAR NOTES:
- BENDS: MIN. INSIDE BEND DIAMETER SHALL BE NOT LESS THAN 6d AS PER TMS 402-16 SECTION 6.1.8.2
- SPLICES: LAP SPLICES ARE PERMITTED AS PER TMS 402-16 SECTION 6.1.6.1.1

PIPES INSTALLED THROUGH CMU WALL NOTES:
- SUPPLY: THE FIXTURE SUPPLY LINE SHOULD BE BORED A 1/2" LARGER THAN REQUIRED LINE SIZE AND THE PORTION OF PIPE LOCATED IN CMU WALL SHALL BE WRAPPED WITH 10MIL BLACK TAPE
- WASTE PIPE: THE FIXTURE WASTE LINE SHOULD BE BORED A 1/2" LARGER THAN REQUIRED LINE SIZE.

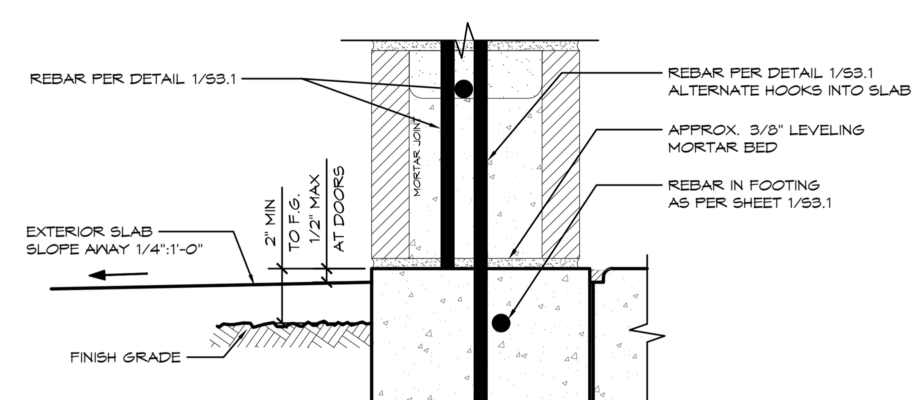
1 CMU REBAR LAYOUT DETAIL

SCALE: 1" = 1'-0"



2 WALL-SLAB CONNECTION - MONO

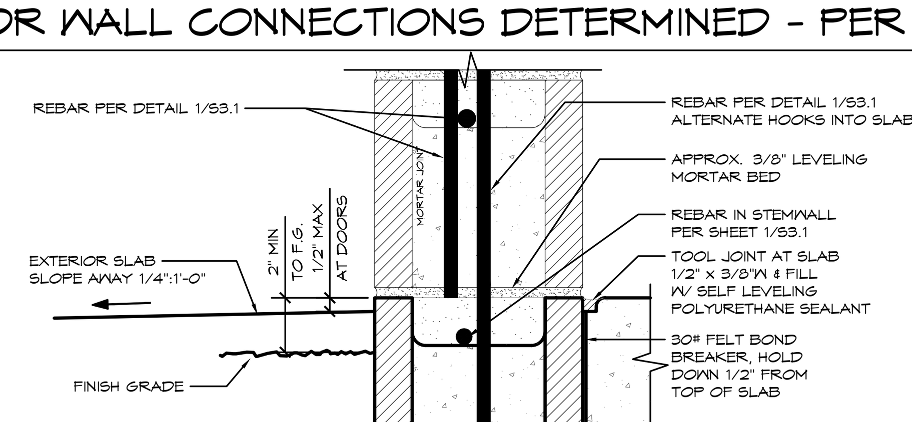
SCALE: 3" = 1'-0"



2 WALL-SLAB CONNECTION - STEM

SCALE: 3" = 1'-0"

EXTERIOR WALL CONNECTIONS DETERMINED - PER DETAIL 1/S4.1



2 WALL-SLAB CONNECTION - CMU STEM

SCALE: 3" = 1'-0"

provided by building installer.

(1) Includes all materials and labor for building package foundations/footings and interior slabs.

B. Footings for the building package are to be dug by the building installer and poured on-site to meet local code for permanent structures. A prefabricated, modular mat placed on compacted base is not an accepted equal to a site specific, site poured, engineered foundation.

C. Engineered fill shall be ¾" minus crushed aggregate around footings, foundations, and slabs, or as required in the final approved plans.

D. Slab vapor barrier shall be 6-mil continuous plastic under the concrete slab, or as required in the final approved plans.

E. The foundation shall be installed as designed with all cast in-place concrete poured to dimensions specified, or as required in the final plans.

(1) Footings will be built to minimum 24" depth or greater if required by local frost depth or permitting authority.

(2) Minimum compressive strength of foundation concrete shall be 3,000 psi at 28 days, 4" +/-1" slump, with max ¾" aggregate, cured in accordance with ACI 308, or as required in approved final plans.

(3) Slabs shall have a fine broom finish with joints required in flat work as shown on plans.

(4) Steel rebar shall be installed as specified in final plans.

F. Building installer shall supply and install concrete slab sealer.

(1) Concrete slab sealer shall be a water-based, transparent curing, sealing and dust proofing compound with two (2) coats to be applied per manufacturer's instructions.

3.6. PLUMBING

A. Plumbing rough-in, installation and trim within 10' of the building footprint shall be provided by building installer.

(1) All underground water service and sewer drain(s) from building to be as specified in final approved site plan.

(2) Building water shutoff valve, drain, and all rough piping shall be as shown on final building plans. Final installation location to be determined onsite.

(3) Install the building package plumbing fixtures per the final approved plans.

(4) Piping shall be installed per the final approved plans with minimum pipe sizing per 2009 Uniform Plumbing Code Section 610.

B. Floor drains in the building shall be supplied and installed by building installer.

(1) All floor drains shall be as shown on final approved plans.

C. Water service line for ice machine located in mechanical room shall be supplied and installed by building installer.

3.7. OTHER MATERIALS & EQUIPMENT

A. Unless otherwise specified, the following products and materials are supplied by building installer (if applicable).

(1) Building package installation

(2) Cast-in-place concrete foundations, footings, interior slabs

(3) Concrete slab sealer

(4) Mortar

(5) Concrete grout

(6) Rebar

(7) Latex epoxy paint

(8) Caulk for siding

(9) Plumbing rough in, installation and trim

(10) Electrical rough in, installation and trim

(11) Switches & outlets

(12) Typical fasteners; for example: roofing nails, staples, etc.

(13) Fasteners not included in product packaging

(14) Wood sealant for all decking, glulam beams, posts, and extensions

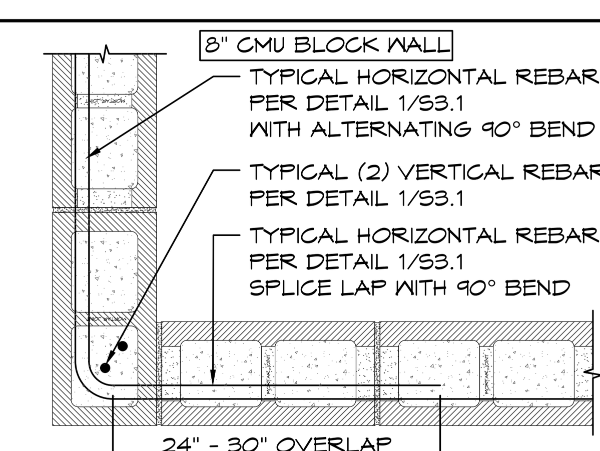
(15) All other items within the building footprint indicated on final plans or required by building codes to complete installation of the building package which are not specifically stated as supplied by owner or contractor.

3.8. DELIVERY, STORAGE, AND HANDLING

A. The building installer will coordinate with owner and/or Romtec to receive delivery of the building package onsite. This includes all equipment and labor required for off-loading of the delivered building package.

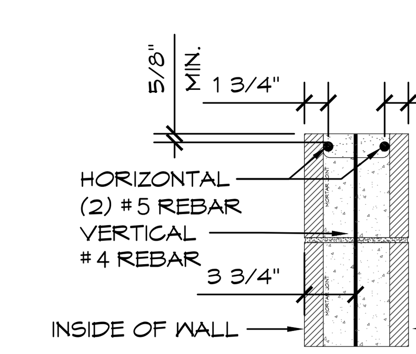
B. The building installer will assume responsibility for adequate protection and maintenance of delivered building package materials from weather, damage, and pilferage during installation work. Any failure to adequately protect building package materials that affects the warranty of those materials will be at building installer's expense.

C. Building installer shall collect and maintain for final delivery to owner any operation & maintenance manuals included by individual product manufacturers with their respective product packaging. Any failure to collect, maintain, and/or deliver these O&M manuals to the owner that results in fees from Romtec for additional copies shall be at building installer's expense.



3 MORTAR JOINT CMU CORNER DETAIL

SCALE: 1" = 1'-0"

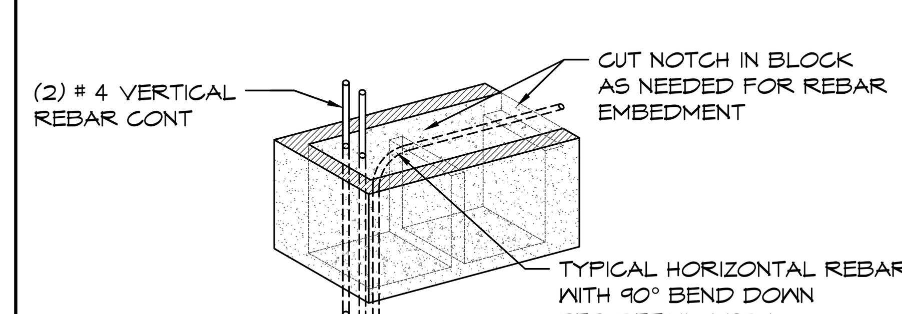


REBAR PLACEMENT FOR:
- ABOVE & BELOW MAJOR OPENINGS (>2'-0" WIDE)
- TOP COURSE OF CMU WALL

NOTE: REBAR INSTALLED AS PER TMS 602-13/ACI 530.1-13/ASCE 6-13

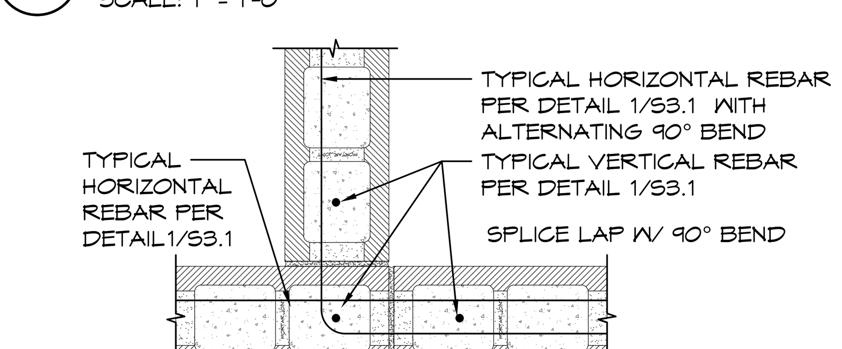
5 8" CMU REBAR PLACEMENT

SCALE: 1" = 1'-0"



4 MORTAR JOINT CMU WALL END DETAIL

SCALE: 1" = 1'-0"



6 8" TO 8" MORTAR JOINT CMU INTERSECTION DETAIL

SCALE: 1" = 1'-0"

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PROJECT: MAPLETON BIKE PARK, MAPLETON, UTAH

SHEET TITLE: STRUCTURAL CMU PLAN, DETAILS, & SPECIFICATIONS

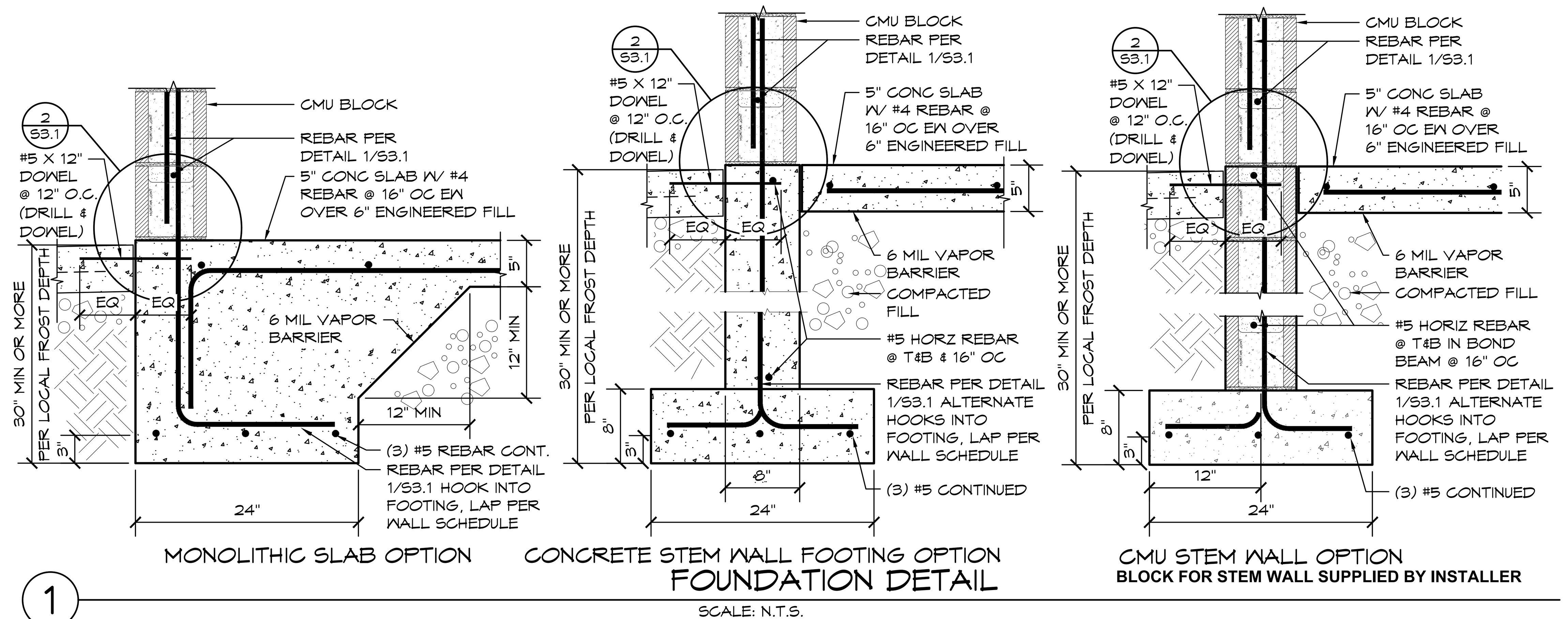
PROJECT #: 2878A

DATE: 01/16/26

DRAWN BY: JMW

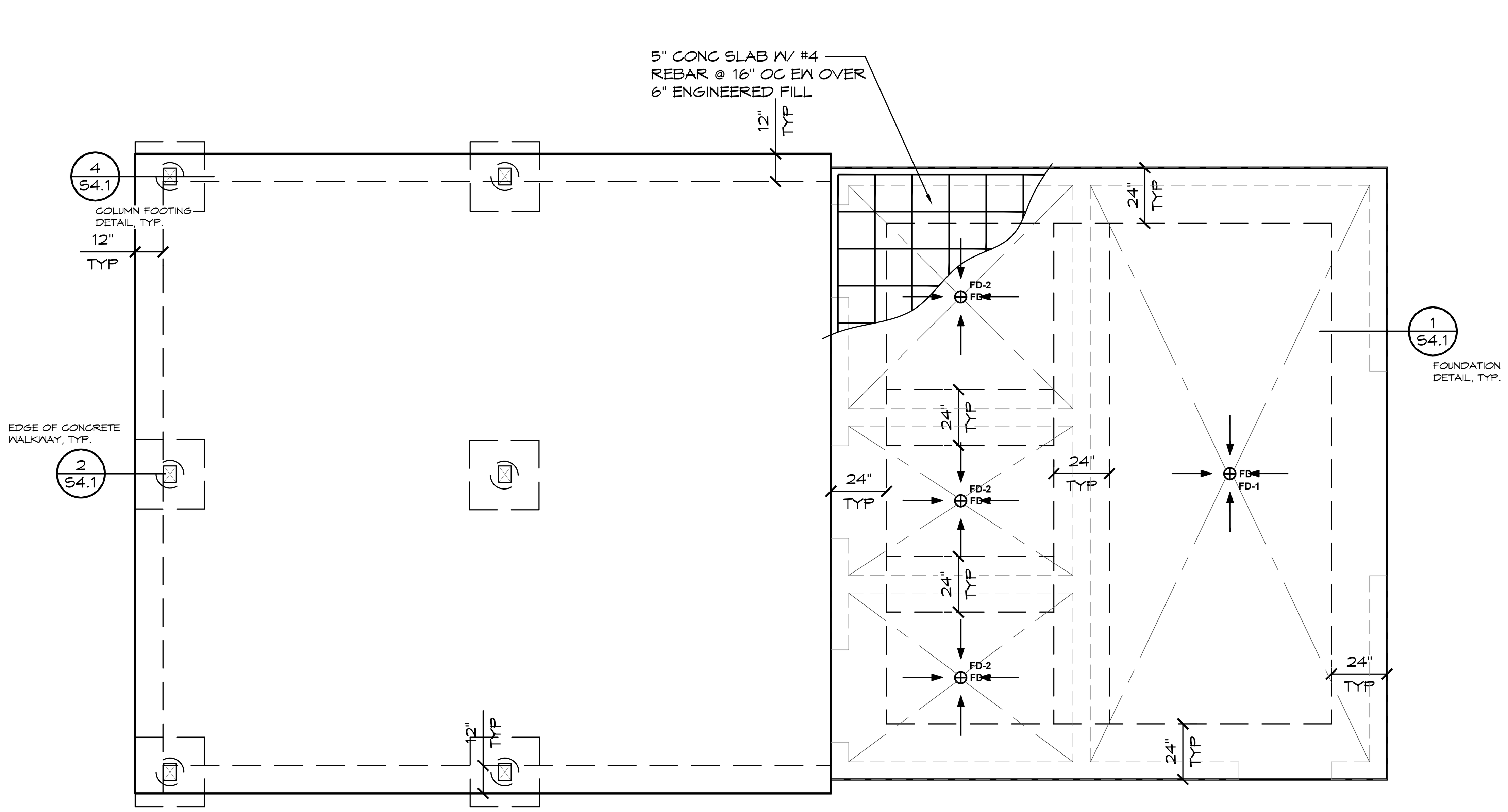
REVISIONS: REV. DATE BY

SHEET NO. S3.1



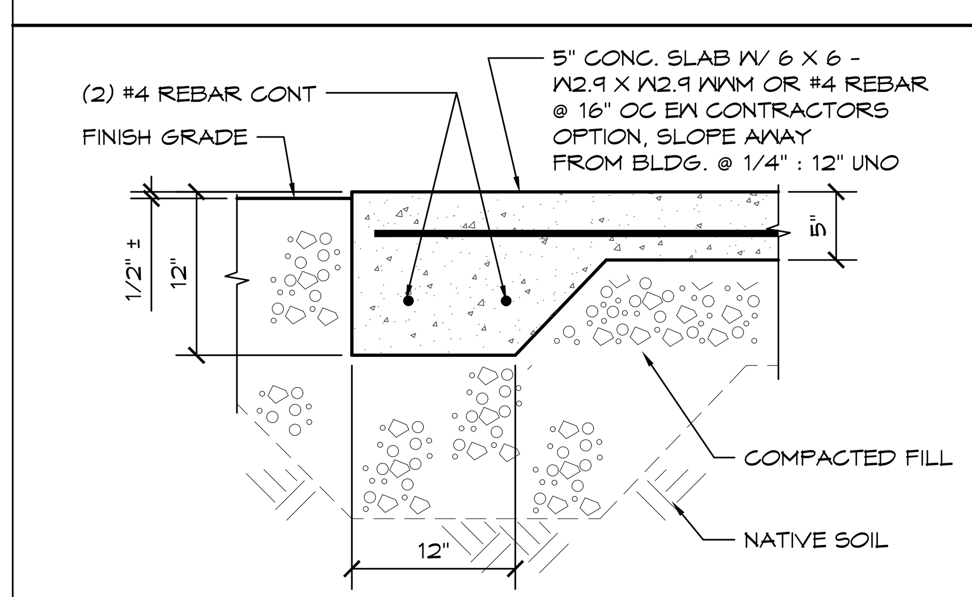
GENERAL NOTES:
* WHEN USING EITHER STEM WALL OPTION RECESS STEM WALL THE THICKNESS OF SLAB AT DOOR THRESHOLD
* PRIVACY WALLS TO HAVE A 30" WIDE x 12" DEEP FOOTING, IF APPLICABLE
* CMU STEM WALL OPTION, CMU BLOCK IS BY INSTALLER
* VERTICAL REBAR IN SLAB/STEM WALL TO MATCH VERTICAL WALL REINFORCEMENT LAP PER WALL SCHEDULE

FOUNDATION DESIGN SHOWN HERE IS PRELIMINARY AND SUBJECT TO CHANGE. FINAL FOUNDATION DESIGN TO BE DETERMINED DURING THE FORTHCOMING FULL DESIGN PHASE FOR THE BUILDING. ANY INCREASED COSTS OR TIME NEEDED TO CONSTRUCT THE FINAL FOUNDATION DESIGN IS BETWEEN THE END OWNER AND THE BUILDING INSTALLER



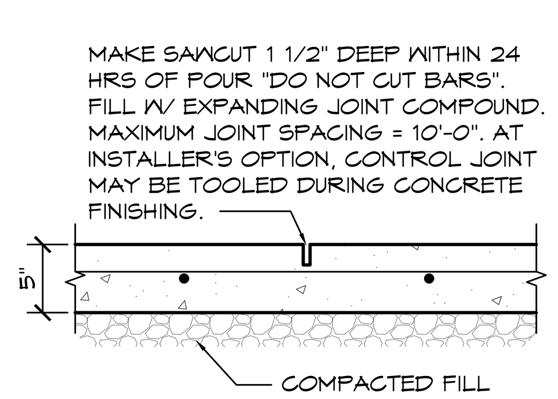
A FOUNDATION PLAN

SCALE: 1/4" = 1'-0"



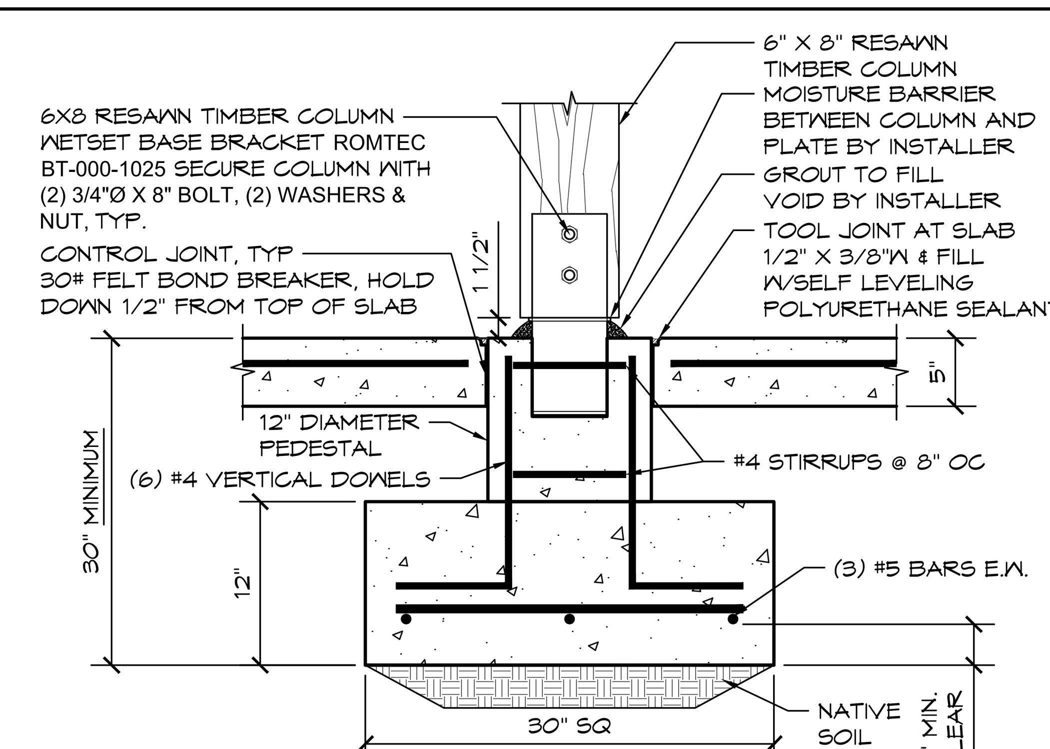
2 EDGE OF CONC. WALKWAY

SCALE: 1" = 1'-0"



3 SAWCUT JOINT

SCALE: 1" = 1'-0"



4 COLUMN FOOTING DETAIL

SCALE: 1" = 1'-0"

SECTION 4: CONTRACTOR SCOPE ITEMS

The items in this section may be provided by the same building installer as defined in Section 3 above (typically when a single entity is acting as both the building installer and contractor), or the items in this section may be provided by a separate entity such as a general contractor or site contractor, hereafter designated as contractor (typically when the building installer is a separate subcontractor). Contractor work will generally include site preparation and grading, excavations for structures, backfill and/or structural backfill, and any site or utility work outside the building package footprint.

Items in this section are generally to be completed prior to building installer beginning its installation work described in Section 3 above.

4.1. CONSTRUCTION SUBMITTALS

A. If required by owner and/or reviewing authority, contractor shall submit product data sheets and relevant information about the specified contractor supplied products below for review and approval.

4.2. WARRANTY

A. Building installer's work shall be warranted against defects in materials and workmanship for a period of not less than one (1) year from the date of acceptance. Acceptance is the date that installation work for the building package is completed, including any relevant final punch list. If final acceptance of the completed building is delayed for reasons beyond building installer's control, the warranty shall be one (1) year from the completion of building installer's installation work and demobilization.

B. Building installer shall pass through to owner all relevant manufacturers warranties for individual products and components supplied by building installer.

4.3. ELECTRICAL

A. Incoming electrical utility lines to within approximately 10' of the building shall be provided by contractor.

(1) All underground and/or overhead service to building shall be as specified in the final site plan.

(2) Electric meter base and all rough wiring, switches, plugs and circuit breakers shall be as shown on final plans.

(3) Contractor supplies and installs the meter base and meter.

4.4. CAST IN-PLACE CONCRETE FOR BUILDING EXTERIOR

A. All equipment, labor, trades, and materials shall be supplied by contractor.

(1) Includes all materials and labor for exterior/entry slabs and sidewalks.

B. Refer to drawings for sidewalks and entry slabs.

(1) Minimum concrete compressive strength of 2,500 psi at 28 days.

(2) Remesh or rebar reinforcement shall be used in sidewalks.

(3) All sidewalks shall be finished with a fine broom with control joints installed per the final approved site plan.

4.5. PLUMBING

A. Incoming plumbing to within approximately 10' of the building shall be provided by contractor.

(1) All underground water service and sewer drain(s) from building to be as specified in final approved site plan.

(2) Building water shutoff valve is to be supplied and installed by contractor.

(3) Contractor is responsible to ensure that incoming water pressure is sufficient to meet building package fixture demands.

(4) Minimum water pressure at toilet and urinal flush valves shall be 40 psi with minimum pipe sizing as per 2009 Uniform Plumbing Code Section 610, or as required in final approved plans.

B. Water line drain valve shall be supplied and installed by contractor.

C. Sewer line backflow check valve shall be supplied and installed by contractor.

4.6. OTHER MATERIALS & EQUIPMENT

A. Unless otherwise specified, the following products and materials are supplied by contractor.

(1) All items not specifically listed as supplied by owner or building installer.

(2) Any item listed as supplied by "contractor" or "others".

B. Unless specified in the plans or submittals, contractor supplies the following (if applicable):

(1) Incoming electrical, water, sewer, and gas utilities.

(2) Asphalt paving

(3) Masonry pavers

(4) Sidewalks

(5) Landscaping

(6) Site grading

(7) Exterior/entry slabs

(8) Drain valves and backflow check valves

(9) Branch circuit breakers

(10) Irrigation Equipment

(11) Fire alarm and fire suppression equipment

(12) Lighting equipment not attached to the building.

(13) All other items exterior of the building footprint indicated on final plans or required by building codes which are not specifically stated as supplied by owner or building installer.

4.7. DELIVERY, STORAGE, AND HANDLING

A. The contractor will assume responsibility for adequate protection and maintenance of the installed building package materials after completion of installation work by building installer. Any failure to adequately protect building package materials that affects the warranty of those materials will be at contractor's expense.

SECTION 5: OWNER'S SCOPE

5.1. ONGOING MAINTENANCE

A. Owner is responsible for ongoing maintenance of the completed restroom building after completion of work by building installer and contractor.

5.2. SITE PLAN

A. Owner (or owner's site engineer) is responsible for providing the final approved site plan to Romtec and/or building installer.

5.3. SPECIAL INSPECTION

A. If required, special inspection(s) services shall be provided by owner.

B. If special inspection(s) are required by the permitting authority or relevant agency(ies), then Romtec, building installer, and/or contractor shall provide reasonable assistance to the owner to accommodate the special inspection(s).

5.4. DELIVERY, STORAGE, AND HANDLING

A. Owner will coordinate with Romtec, building installer, and/or contractor to receive delivery of the building package onsite.

PRELIMINARY

THESE PLAN VIEW AND ELEVATION DRAWINGS ARE A PRELIMINARY ARCHITECTURAL REPRESENTATION OF THE BUILDING. ALL DIMENSIONS, FEATURES AND COMPONENTS SHOWN ON THESE PRELIMINARY DRAWINGS MAY OR MAY NOT BE PART OF THE QUOTE. PLEASE REFER TO THE "SCOPE OF SUPPLY AND SERVICES" LETTER PROVIDED WITH YOUR QUOTE FOR ROMTEC'S PROPOSED SCOPE OF SUPPLY.

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PROJECT: MAPLETON BIKE PARK
MAPLETON, UTAH

SHEET TITLE: FOUNDATION PLAN, DETAILS, & SPECIFICATIONS

PROJECT #: 2878A
DATE: 01/16/26
DRAWN BY: JMW

REVISIONS:

SHEET NO. S4.1