

GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE GOVERNING JURISDICTIONAL ENTITY(IES) FOR THIS PROJECT, UNLESS OTHERWISE NOTED. SEE PROJECT SPECIFICATIONS AND STANDARDS SECTION ON THIS SHEET FOR MORE INFORMATION.
- THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES A COPY OF THE APPROVED AND STAMPED CONSTRUCTION PLANS ON WHICH IS RECORDED THE ACTUAL LOCATIONS OF THE CONSTRUCTED UTILITIES AND ANY OTHER UTILITIES ENCOUNTERED. THE CONTRACTOR SHALL PROVIDE THESE LOCATIONS TO THE DESIGN ENGINEER.
- THE CONTRACTOR(S) SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE AND BELOW GROUND, AS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE CLEARING AND GRUBBING WHICH CONSISTS OF CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, UNDERGROWTH, HEDGES, HEAVY GROWTH OF GRASS OR WEEDS, FENCES, STRUCTURES, DEBRIS, RUBBISH, AND SUCH MATERIAL WHICH IN THE OPINION OF THE ENGINEER, IS UNSUITABLE FOR THE FOUNDATION OF PAVEMENTS. ALL MATERIAL NOT SUITABLE FOR FUTURE USE ON SITE SHALL BE DISPOSED OF OFF SITE.
- OWNER/DEVELOPER/CONTRACTOR IS REQUIRED TO CALL LOCAL UNDERGROUND UTILITY LOCATING SERVICES IN A SUFFICIENT AMOUNT OF TIME SO AS TO PROPERLY DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DELAYS TO THE CONSTRUCTION SCHEDULE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL RECOMMENDATIONS WITHIN THE PROJECT GEOTECHNICAL REPORT. SEE PROJECT SPECIFICATIONS AND STANDARDS SECTION ON THIS SHEET FOR MORE INFORMATION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK AND BETWEEN TRADES SUB-CONTRACTORS ARE ALSO RESPONSIBLE FOR COORDINATION WITH OTHER TRADES AND DISCIPLINES INCLUDED IN THE CONTRACT DOCUMENTS. IF ANY DISCREPANCIES ARE FOUND, THE GENERAL CONTRACTOR IS TO NOTIFY ENGINEER IMMEDIATELY BEFORE COMMENCEMENT OF WORK. NO EXTRA COSTS TO THE PROJECT WILL BE INCURRED DUE TO FAILURE OF GENERAL CONTRACTOR AND/OR SUB-CONTRACTORS TO REVIEW CONTRACT DOCUMENTS AND COORDINATE WITH OTHER TRADES.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL CITY STANDARDS.
- THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE BUILDING DEPARTMENT FOR ANY WALLS GREATER THAN 4' IN HEIGHT CONSTRUCTED WITHIN THE PROJECT. ALL ROCK WALLS CONSTRUCTED WITHIN THE PROJECT MUST BE CERTIFIED AND INSPECTED BY A LICENSED STRUCTURAL ENGINEER PRIOR TO THE UNIVERSITY'S FINAL ACCEPTANCE.

UTILITY NOTES

WATER

- ALL UNUSED WATER LINES SHALL BE COMPLETELY REMOVED.
- WATER METER SETTER BOXES MAY BE RE-USED OR SALVAGED.
- EXISTING WATER LATERALS MAY BE ABANDONED IN PLACE UNLESS SPECIFICALLY FORBIDDEN BY JURISDICTIONAL ENTITY.
- PROPOSED WATER LATERALS SHALL BE ALL NEW PIPE OF THE MATERIAL TYPE SHOWN ON PLANS AND/OR REQUIRED BY THE JURISDICTIONAL ENTITY.
- WATER VALVES MAY BE RE-USED AS APPROVED BY THE JURISDICTIONAL ENTITY.
- FIRE HYDRANTS MAY BE RE-USED AS APPROVED BY THE JURISDICTIONAL ENTITY.
- RAISE ALL UTILITIES, SUCH AS MANHOLES, METER SETTERS, FIRE HYDRANTS, WATER VALVE LIDS, ETC. TO ROADWAY OR PROJECT FINISHED GRADE AS MAY BE APPLICABLE.
- ALL BACKFLOW ASSEMBLY INSTALLATION AND TESTING SHALL COMPLY WITH THE BACKFLOW REQUIREMENTS OF THE JURISDICTIONAL ENTITY.
- 12 GAUGE COPPER LOCATE WIRE SHALL BE TAPED TO ALL WATER LINES FOR LOCATION PURPOSES. THE WIRE SHALL BE BROUGHT UP AT EACH VALVE BOX AND HYDRANT.
- ALL REMOVED EXISTING WATER UTILITIES SHALL EITHER BE SALVAGED OR PROPERLY DISPOSED OF ACCORDING TO GOVERNING REGULATIONS.

SEWER

- ALL NEW SEWER SYSTEMS WILL BE MANDREL AND AIR TESTED.
- SEWER LENGTHS AND SLOPES ON THE PROFILE VIEWS ARE MEASURED FROM CENTER-CENTER OF MANHOLES.
- ALL REMOVED EXISTING SEWER UTILITIES SHALL EITHER BE SALVAGED OR PROPERLY DISPOSED OF ACCORDING TO GOVERNING REGULATIONS.
- ALL ABANDONED OR UNUSED SEWER MANHOLES SHALL BE COMPLETELY REMOVED AND REPLACED WITH SUITABLE BACKFILL MATERIAL THAT MEETS PROJECT SPECIFICATIONS.
- SEWER MANHOLES MAY BE RE-USED IF APPROVED BY THE JURISDICTIONAL ENTITY.
- SEWER MAINS ABANDONED IN PLACE SHALL BE CUT AT EACH END, AND SHALL EITHER BE PLUGGED OR CAPPED WITH A PLASTIC OR CONCRETE CAP.
- SEWER LATERALS TO BE REMOVED SHALL BE CUT AT THE MAIN AND CAPPED ON BOTH ENDS AS INDICATED IN NOTE 6 ABOVE.

IRRIGATION

- RAISE ALL UTILITIES, SUCH AS MANHOLES, METER SETTERS, WATER VALVE LIDS, ETC. TO ROADWAY OR PROJECT FINISHED GRADE AS MAY BE APPLICABLE.
- ALL IRRIGATION PIPE SHALL BE INSTALLED AND AIR TESTED IN THE SAME MANNER AS THE CULINARY WATER SYSTEM PER THE JURISDICTIONAL ENTITY.
- METER SETTERS MUST BE INSTALLED WITHIN METER BOX CLEARLY MARKED "IRRIGATION".
- ALL IRRIGATION PIPING INCLUDING SERVICE MATERIALS MUST BE PURPLE IN COLOR AND CLEARLY MARKED "IRRIGATION".
- ALL IRRIGATION MATERIALS, SPECIFICATIONS, AND INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE JURISDICTIONAL ENTITY.
- 12 GAUGE PURPLE LOCATE WIRE SHALL BE TAPED TO ALL IRRIGATION MAINS FOR LOCATING PURPOSES. THE WIRE SHALL BE BROUGHT UP AT EACH VALVE BOX.
- ALL REMOVED EXISTING IRRIGATION UTILITIES SHALL EITHER BE SALVAGED OR PROPERLY DISPOSED OF ACCORDING TO GOVERNING REGULATIONS.

UTILITY NOTES

POWER

- CONTRACTOR TO FOLLOW ALL BLUE STAKES PROTOCOLS
- ALL POWER CONNECTIONS AND DESIGN SHALL BE PERFORMED BY THE LOCAL ENERGY SERVICES.
- ANY WORK BEING PERFORMED AT THE REQUEST OF THE LOCAL ENERGY SERVICES SHALL BE PERFORMED TO THE REQUIREMENTS AND SPECIFICATIONS OF SAID ENERGY SERVICE.
- ANY ELECTRICAL DESIGN WORK REQUIRED SHALL BE PERFORMED BY A LICENSED ELECTRICAL ENGINEER UNLESS OTHERWISE CONVEYED AS NOT REQUIRED BY THE LOCAL ENERGY SERVICES.
- ACCESS TO EXISTING ELECTRICAL EQUIPMENT MUST BE MAINTAINED THROUGHOUT THE PROJECT.
- CONTACT LOCAL ENERGY SERVICES FOR ANY REQUIRED CHANGES OR CONFLICTS WITH EXISTING ELECTRICAL INFRASTRUCTURE.
- CHANGES MADE TO EXISTING INFRASTRUCTURE WILL BE DONE TO THE LOCAL ENERGY SERVICES STANDARDS AND COMPLETED BY A PRE-QUALIFIED CONTRACTOR OR ENERGY SERVICES.

DOMINION ENERGY GAS

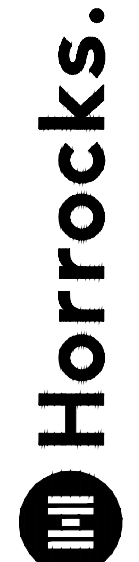
- CONTRACTOR NEEDS TO CONTACT DOMINION ENERGY GAS MARKETING DEPARTMENT, PRIOR TO BREAKING GROUND, FOR GAS SIGN UP.
- CONTRACTOR WILL BE RESPONSIBLE TO GET ALL COMPACTION TESTS DONE AT DEVELOPERS EXPENSE.
- IF CASINGS/CONDUITS ARE NEEDED, THEY ARE TO BE INSTALLED BY AND PAID FOR BY THE PROJECT. A MAP WILL BE AVAILABLE AT DOMINION ENERGY GAS FOR CASING LOCATIONS.
- ALL OF THE 10 FOOT UTILITY EASEMENTS BACK OF SIDEWALK WILL BE GRADED TO WITHIN 6 INCHES OF TOP BACK OF CURB BEFORE GAS LINES WILL BE INSTALLED.
- ALL TRENCHES SHALL BE BACKFILLED AND ALL DEBRIS, CONSTRUCTION MATERIALS AND EXCESS DIRT PILES SHALL BE CLEARED AWAY.
- PROPERTY LOT LINES, BACK OF CURB AND GRADE MUST BE STAKED BY DEVELOPER BEFORE GAS WILL BE INSTALLED.
- WATER AND SEWER LINES, CULVERTS OR OTHER HAZARDS NOT CLEARLY NOTICEABLE SHALL BE STAKED BY DEVELOPER.
- FAILURE TO COMPLY WITH THE ABOVE NOTES WILL RESULT IN DELAY OF GAS SERVICE TO THIS PROJECT.
- CONTRACTOR WILL CONTACT DOMINION ENERGY GAS AT LEAST TWO WEEKS PRIOR TO BEING READY, FOR SCHEDULING OF INSTALLATION.
- *****IMPORTANT NOTICE***** GAS WILL BE PUT ON THE SCHEDULE FOR INSTALLATION WHEN POWER TRENCH IS BURIED, STREETS ARE WITHIN 6 INCHES OF SUB-GRADE AND THE 10 FOOT UTILITY EASEMENT IS GRADED TO TOP BACK OF CURB.
- HIGH PRESSURE GAS NOTE: IF HIGH PRESSURE GAS LINES ARE LOCATED IN OR NEAR THE DIGGING AREA BEFORE DIGGING THE CONTRACTOR WILL CALL THE LOCAL DOMINION ENERGY GAS REPRESENTATIVE.

GRADING & DRAINAGE NOTES

- IT IS THE PROPERTY OWNER'S RESPONSIBILITY (DEVELOPER, HOMEOWNER, HOMEOWNERS ASSOC. ETC.) TO COMPLETE AND MAINTAIN THE FINAL GRADING ON THEIR PROPERTY IN ACCORDANCE WITH THE DRAINAGE CONCEPT IDENTIFIED IN THE GRADING AND DRAINAGE PLAN.
- THE GRADING AND DRAINAGE PLANS DO NOT IDENTIFY THE CONSTRUCTION METHODS, EQUIPMENT, PROCEDURES, AND OR SEQUENCING TO BE EMPLOYED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONAL.
- THE CONTRACTOR SHALL PROVIDE SUITABLE METHODS & EQUIPMENT TO CONTROL DUST AND AIR POLLUTION CAUSED BY CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL ALSO PROVIDE SUITABLE MUD AND DIRT CONTAINMENT TO MAINTAIN THE WORK SITE, ACCESS ROADWAYS AND ADJACENT PROPERTIES IN A CLEAN CONDITION.
- ALL EXCAVATION AND GRADING SHALL BE IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE JURISDICTIONAL ENTITY AND UNIFORM BUILDING CODES.
- PRIOR TO CONSTRUCTION, AN EROSION AND SEDIMENT CONTROL PLAN WILL BE SUBMITTED TO THE PUBLIC WORKS DIRECTOR FOR APPROVAL.

REVISIONS

REV No.	SHEET No.	DATE OF REV	DESCRIPTION
△			



517 West 100 North, Suite 105
Providence, UT 84332
(435) 374-4670
www.horrocks.com

DRAWING INFO		REVISIONS	
DATE	REV #	REV #	DATE
02 Feb 2026			
DESIGNED	M. PIERCE		
DRAWN	K. QUINN		
CHECKED	M. PIERCE		
PROJECT	UT-1402-25		



USU GUNSHED PARKING IMPROVEMENTS

UTAH STATE UNIVERSITY, LOGAN, UTAH

NOTES

ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE DRAWINGS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN AND WE ASSUME NO RESPONSIBILITY AS TO THE ACCURACY OF THEIR DEPICTED LOCATION ON THESE DRAWINGS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN, AND ALL OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS BY VERIFICATION OF THEIR LOCATION IN THE FIELD PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL NOTIFY HORROCKS ENGINEERS OF ANY FOUND CONFLICTS PRIOR TO ANY WORK BEING DONE RELATED TO THE ISSUE.

LEGAL NOTICE TO CONTRACTOR

USE OF THE INFORMATION CONTAINED IN THIS INSTRUMENT FOR OTHER THAN THE SPECIFIC PURPOSE FOR WHICH IT WAS INTENDED AND FOR OTHER THAN THE CLIENT FOR WHOM IT WAS PREPARED IS FORBIDDEN UNLESS EXPRESSLY PERMITTED IN WRITING IN ADVANCE TO HORROCKS ENGINEERS, AND HORROCKS ENGINEERS SHALL HAVE NO LIABILITY TO ANY USE OF THIS INFORMATION WITHOUT THEIR WRITTEN CONSENT.



C.0.2

SEWER

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists pipe sizes from 4 inch to 36 inch and service types like SERVICE LATERAL and SEWER FORCE MAIN.

STORM

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists pipe sizes from 4 inch to 72 inch and LAND DRAIN.

WATER

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists pipe sizes from 3/4 inch to 72 inch and SERVICE LATERAL, FIRE LINE.

IRRIGATION

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists pipe sizes from 1 inch to 36 inch and SERVICE LATERAL.

POWER

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists overhead and underground power lines from 2 inch to 3 PH ABC 4/0.

GAS

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists gas pipe sizes from 1 inch to 12 inch and HIGH PRESSURE.

COMMUNICATIONS

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists overhead and underground cable TV, fiber optic, and telephone lines.

ROADWAY

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists right of way, centerline, curb & gutter, and various traffic signal and conduit options.

MISCELLANEOUS

Table with columns: EXISTING, UNKNOWN, PROPOSED. Lists demo, unknown pipe, joint utility trench, and guardrail.

HATCH PATTERNS

Table showing various hatch patterns for building/pad, concrete sidewalk, decorative brick, pool deck, xeriscape, landscape areas, heavy and light duty pavement, ADA access ramp, riprap, and gravel.

SURFACE FEATURES

Table showing symbols for cut lines, fill lines, limits of disturbance, ditch, grade break, high water marks, fences, walls, and parcel boundaries.

CONSTRUCTION KEYNOTE TAGS

Table showing symbols for demo plan, grading plan, site plan, water, sewer, storm drain, irrigation, cable TV, telephone, gas, electrical, and miscellaneous.

CALLOUTS

Table showing symbols for finished floor elevation, TBC & TBDC spot elevation, FL & TG spot elevation, and parking stall count.

DETAIL REFERENCE

Table showing symbols for line 1, line 2, and aerial target.

STANDARD SYMBOLS

Large table showing symbols for existing and proposed electrical manholes, fiber optic manholes, telephone manholes, cable TV manholes, electrical power poles, signal poles, electrical boxes, fiber optic boxes, junction boxes, telephone boxes, telephone pedestals, cable TV boxes, light poles, gas manholes, gas meters, cleanouts, irrigation manholes, irrigation boxes, water manholes, water meters, water meter opt 2, fire hydrants, gate valves, crosses, tees, bends, reducers, caps, storm drain manholes, area drain rounds, drop inlets, curb inlets, curb double inlets, oil/water sand/grease, flared end plans, flared end profiles, signs, bollards, mailboxes, bore holes, test pits, benchmarks, section corners, control points, and aerial targets.

ABBREVIATIONS*

Table listing various abbreviations used in the drawing, such as ABC, AC, BC, BCR, BFE, BFF, BLDG, BM, BP, BV, BVC, BVCE, BVCS, BVP, BVW, C&G, CB, CL, CLR, CO, CONC, Cu, C.Y., DIA, DWG, E, EA, EG, ELEV, EOC, EOP, EP, ESMT, EV, EVCE, EVCS, EWP, EX, FF, FG, FJ, FL, FM, FPS, FT, FUT, G, GB, GFF, GV, HGL, HP, HRZ, IRR, K, L, LF, LP, LT, LVC, MAX, ME, MFR, MGD, MH, MID, MIN, MJ, N, N/A, NTS, OC, OD, OVHP, OVP, PC, PCC, PH, PI, PL, PRC, PT, PUE, PVI, Q, R, REV, RT, RW, S, SD, SDMH, SEC, SF, SL, SPEC, SS, SSMH, STA, STD, SVE, SW, TA, TBC, TBDC, TBM, TC, TEMP, TF, TG, TWB, TWF, TWR, TW, TYP, UTC, V, VC, VRT, W, WMH, WTR.

PIPE ABBREVIATIONS*

Table listing pipe abbreviations like RCB, RCEA, REC, RVEC, EGG, PVC, RCP, VCP, CIP, HDPE, DIP, CMP, CPP, POLY.

Horrocks logo and contact information: 517 West 100 North, Suite 105, Providence, UT 84332, (435) 374-4670, www.horrocks.com

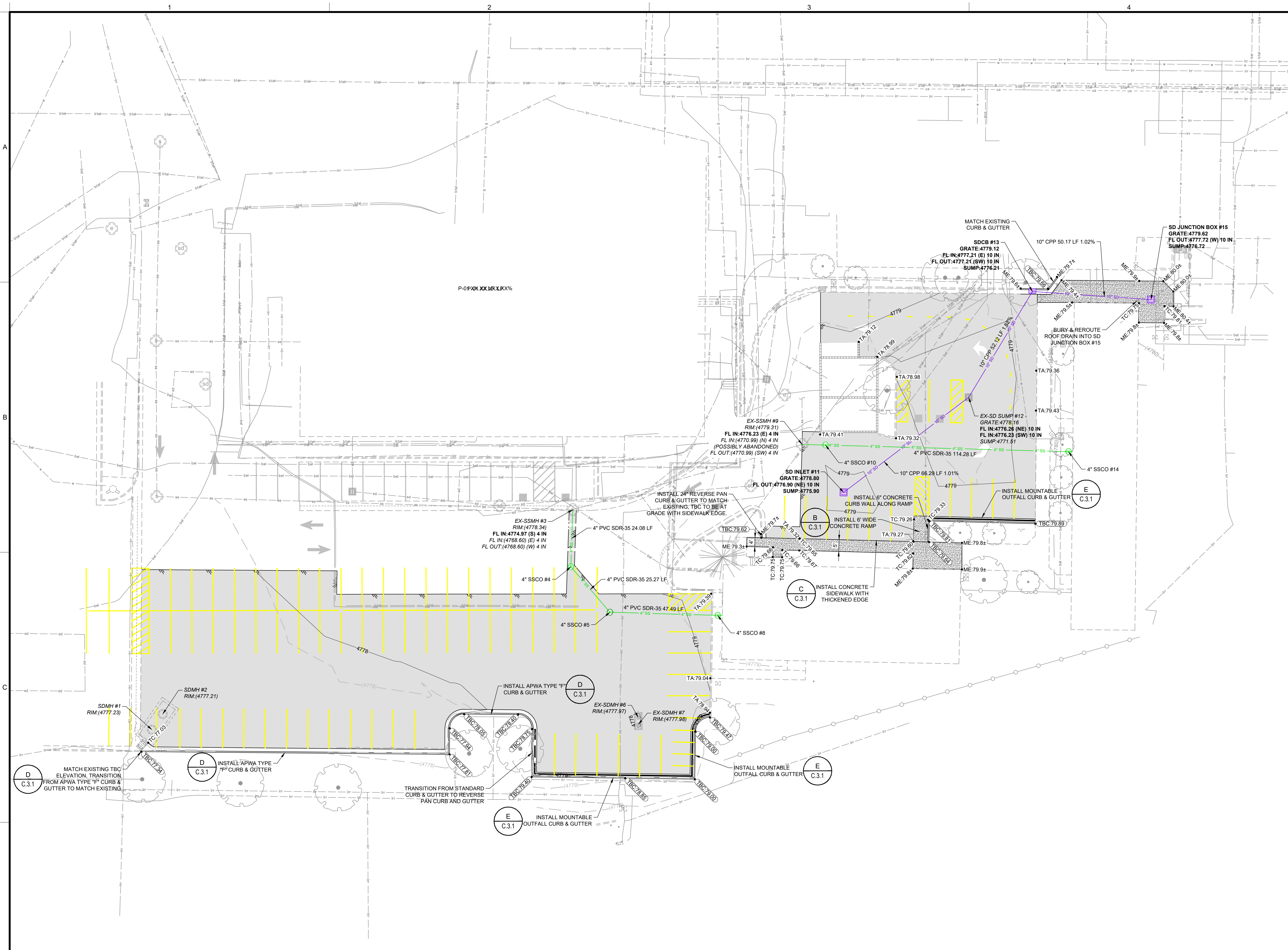
REVISIONS table with columns: DATE, REV #, DESCRIPTION, DESIGNED, DRAWN, CHECKED, PROJECT.



LEGEND

USU GUNSHED PARKING IMPROVEMENTS

C.O.3



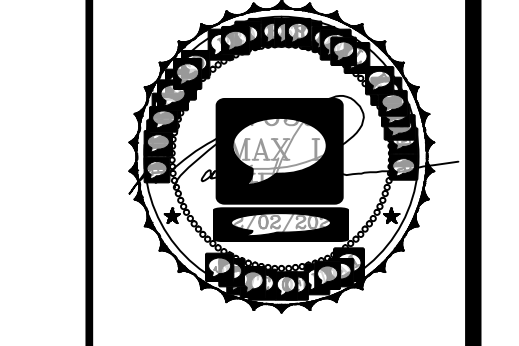
SITE PLAN NOTES:
 1. ELEVATIONS GIVEN AS XXXX HAVE BEEN TRUNCATED AND ARE EQUAL TO 4700.00 + XX.XX.
 2. VERIFY INVERT ELEVATION AND SLOPE OF SEWER LATERALS WITH UNIVERSITY PRIOR TO CONSTRUCTION.

LEGEND

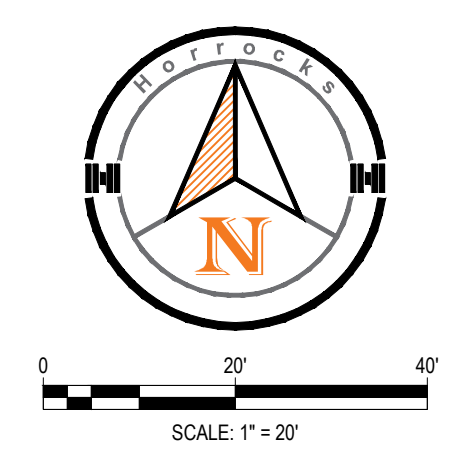
	INSTALL 3" FIBER REINFORCED ASPHALT PAVEMENT PER DETAIL A SEE SHEET C.3.1	A C.3.1
	INSTALL 5" CONCRETE FLATWORK PER DETAIL B, SEE SHEET C.3.1	B C.3.1

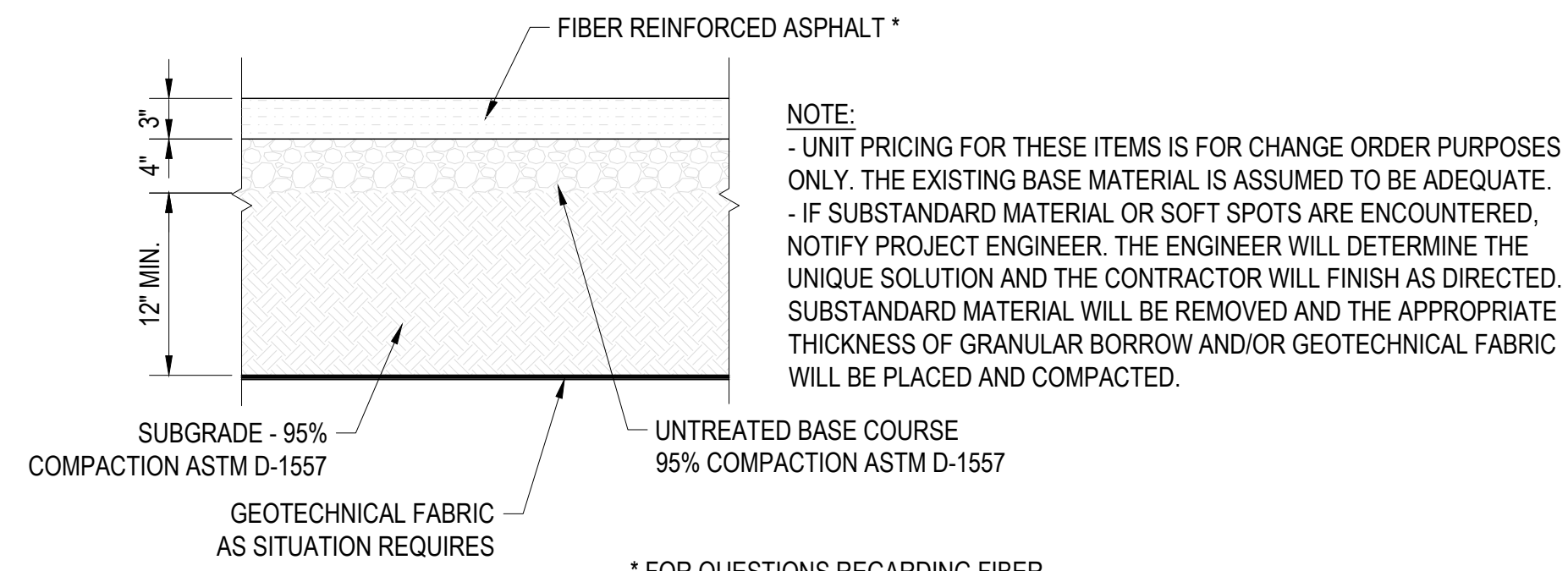
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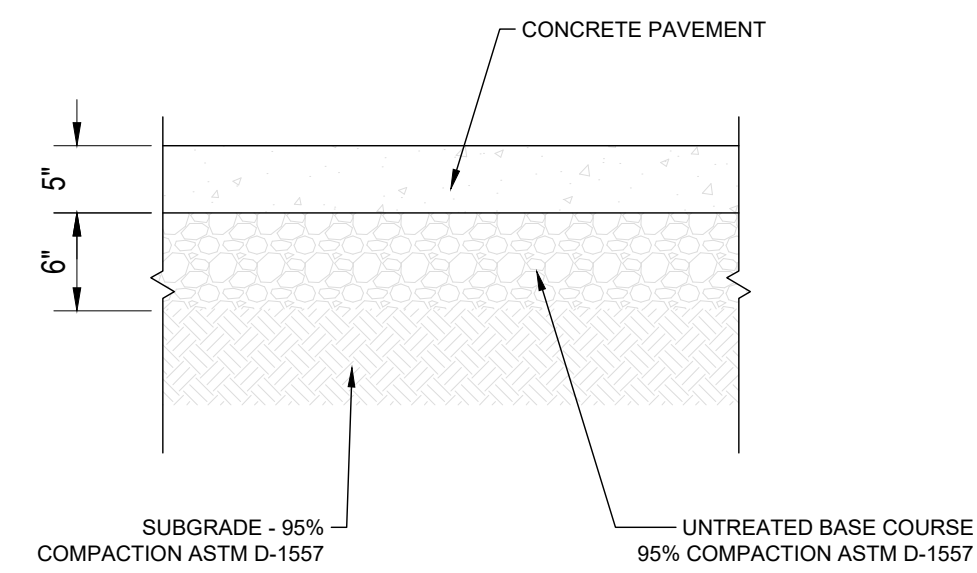
USU GUNSHED PARKING IMPROVEMENTS
 UTAH STATE UNIVERSITY, LOGAN, UTAH
 C.2.1 SITE PLAN





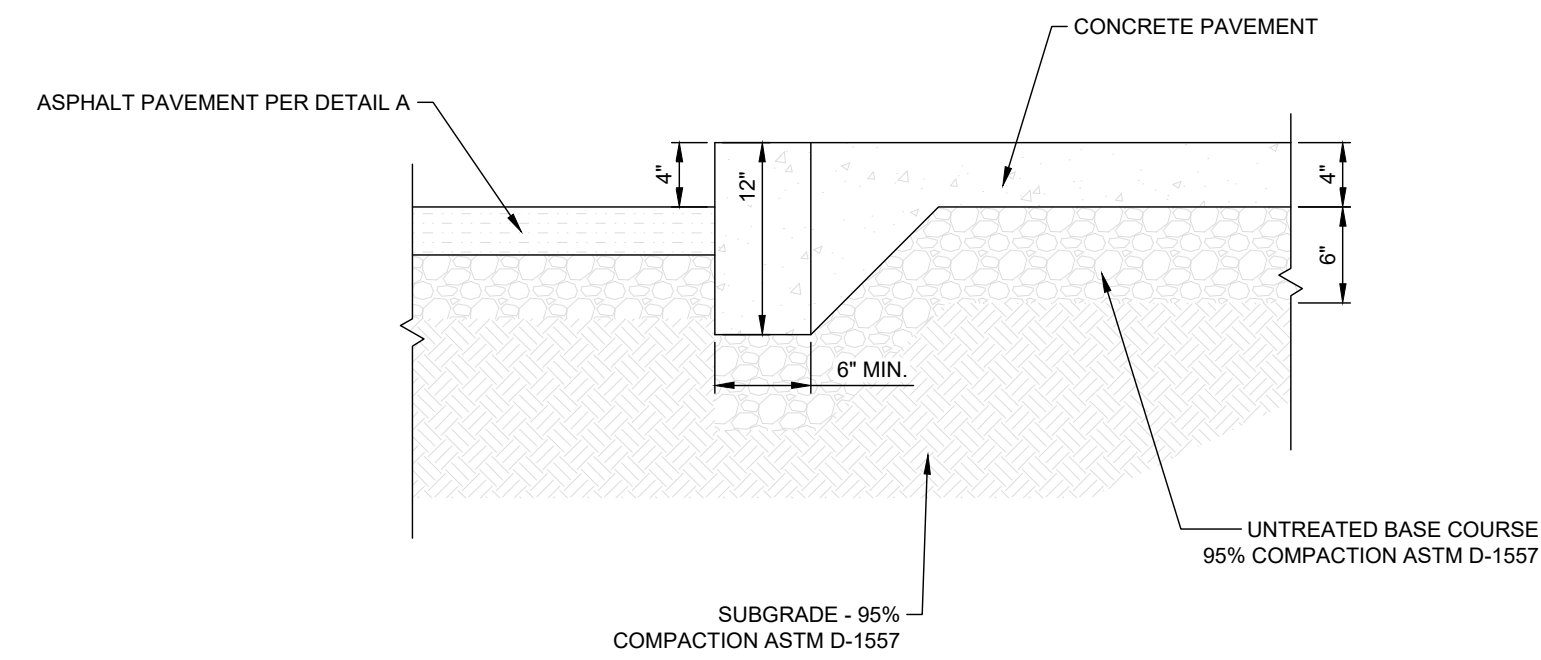
NOTE:
 - UNIT PRICING FOR THESE ITEMS IS FOR CHANGE ORDER PURPOSES ONLY. THE EXISTING BASE MATERIAL IS ASSUMED TO BE ADEQUATE.
 - IF SUBSTANDARD MATERIAL OR SOFT SPOTS ARE ENCOUNTERED, NOTIFY PROJECT ENGINEER. THE ENGINEER WILL DETERMINE THE UNIQUE SOLUTION AND THE CONTRACTOR WILL FINISH AS DIRECTED. SUBSTANDARD MATERIAL WILL BE REMOVED AND THE APPROPRIATE THICKNESS OF GRANULAR BORROW AND/OR GEOTECHNICAL FABRIC WILL BE PLACED AND COMPACTED.

* FOR QUESTIONS REGARDING FIBER REINFORCED ASPHALT, CONTACT: ALLIANCE GEOSYNTHETICS, INC (949)610-6098

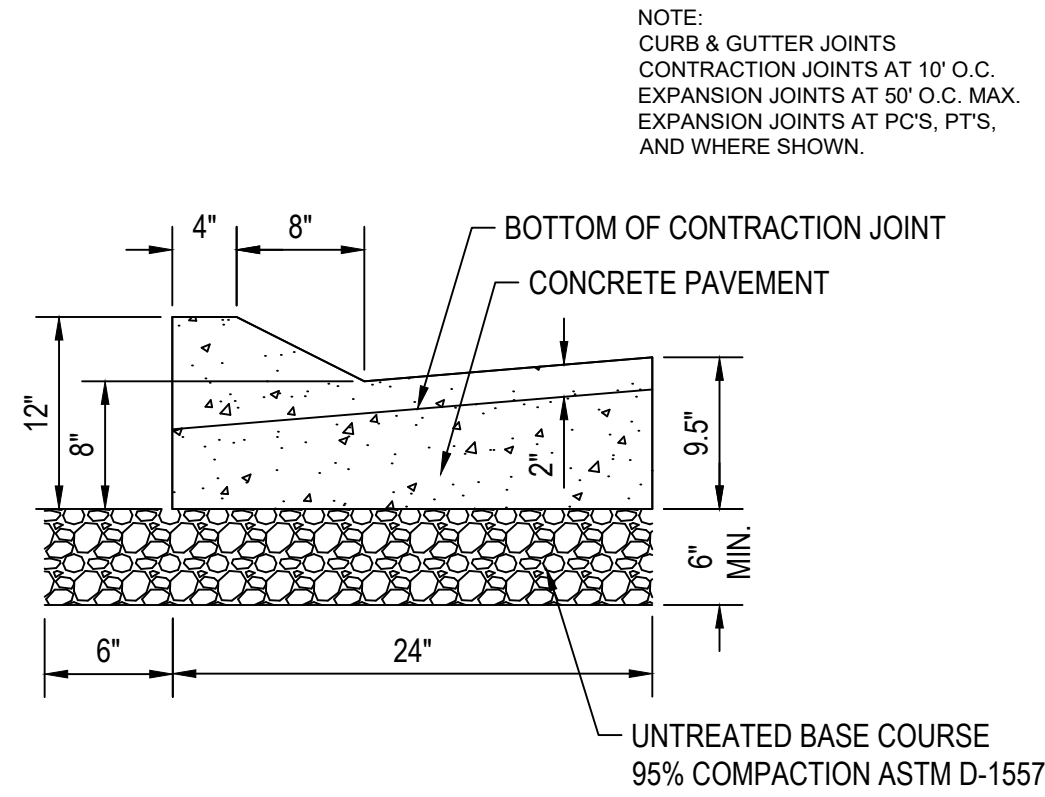


A FIBER REINFORCED ASPHALT SECTION OVERDESIGN
 SCALE: NTS

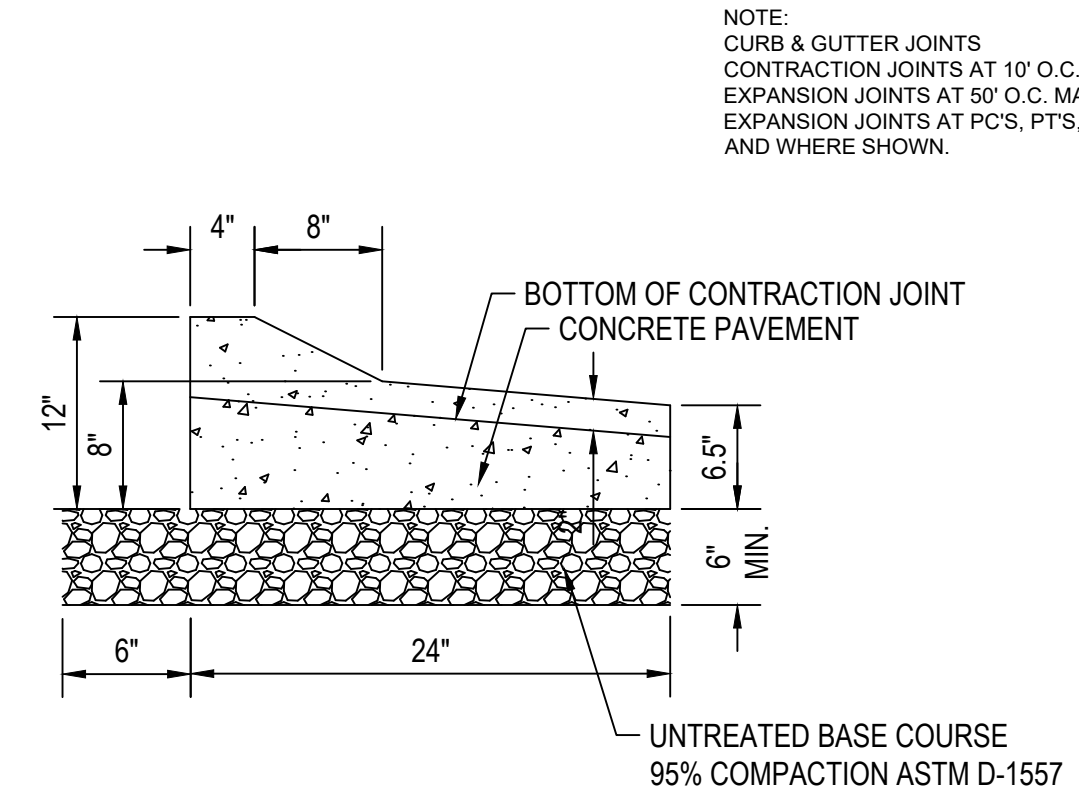
B USU LIGHT CONCRETE DETAIL
 SCALE: NTS



C THICKENED EDGE CONCRETE SIDEWALK DETAIL
 SCALE: NTS



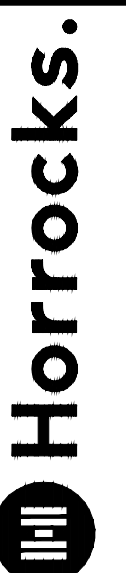
D APWA TYPE "F" CURB AND GUTTER
 SCALE: NTS



E MOUNTABLE OUTFALL CURB & GUTTER
 SCALE: NTS

NOTE:
 CURB & GUTTER JOINTS
 CONTRACTION JOINTS AT 10' O.C.
 EXPANSION JOINTS AT 50' O.C. MAX.
 EXPANSION JOINTS AT PCS, PTS,
 AND WHERE SHOWN.

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C.3.1 DETAILS

