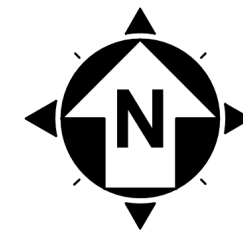


CITY OF FORT WRIGHT KENTON COUNTY, KENTUCKY

FORT WRIGHT SALT STORAGE BUILDING PHASE II

39973-02



LOCATION MAP



PROJECT RENDERING

****CONCEPT ONLY, NOT FOR CONSTRUCTION****

LIST OF DRAWINGS		
DRAWING NUMBER	SHEET NUMBER	SHEET NAME
1	CS	COVER SHEET
2	NOTES	GENERAL NOTES & LEGEND
3	DET1	CONSTRUCTION DETAILS
4	DET2	EROSION & SEDIMENTATION CONTROL DETAILS
5	C01	SITE & GRADING PLAN
6	A-1	PLANS AND ELEVATIONS
7	A-2	SECTIONS AND DETAILS
REF	DET1	PHASE 1 CONSTRUCTION DETAILS
REF	C02	PHASE 1 SITE & GRADING PLAN
REF	C03	PHASE 1 STORM SEWER PLAN

CITY OF FORT WRIGHT OFFICIALS

MAYOR
DAVE HATTER

CITY ADMINISTRATOR
JILL C. BAILEY

CITY CLERK
KERRIE HOLLAND

CITY COUNCIL MEMBERS

SCOTT WALL
BERNIE WESSELS
MARGE WITT
JUSTIN WEBER
JASON COLLINS
DONNA ROSS

CITY ATTORNEY
JOHN S. BROOKING

PUBLIC WORKS DIRECTOR
JEFF BETHELL

verdantas
300 BUTTERMILK PIKE, SUITE 332
FORT MITCHELL, KY 41017
TEL: (502) 526-0500
WWW.VERDANTAS.COM

DATE	REVISION	NO	BIDDING	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			07/09/2026	As Indicated	BS	BS	BS	BS	BS

**FORT WRIGHT SALT STORAGE
BUILDING - PHASE II
CITY OF FORT WRIGHT
KENTON COUNTY, KY**

COVERSHEET

PROJECT NO.	39973-02
DISCIPLINE	ARCHITECTURAL
SHEET NAME	CS
SHEET	OF
1	7

7/7/2026 11:33:46 AM



GENERAL NOTES
1. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE KENTON COUNTY SUBDIVISION REGULATIONS AND THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER OR THEIR REPRESENTATIVE. ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.
3. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY FOR ALL REQUIRED TESTING.
4. THE CONTRACTOR SHALL REVIEW THE SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT PREPARED BY VERDANTAS, LLC AND DATED MAY 7, 2026, AND ANY SUBSEQUENT REVISIONS. A COPY OF THIS REPORT WILL BE MADE AVAILABLE TO THE CONTRACTOR THROUGH THE OWNER. THE CONTRACTOR SHALL ADHERE TO ALL ASPECTS AND RECOMMENDATIONS OF THE REPORT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT STAKING INCLUDING HORIZONTAL AND VERTICAL CONTROL. ANY DISCREPANCIES DISCOVERED IN THE PLAN INFORMATION, OR BETWEEN THE PLAN AND ELECTRONIC DATA SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER SO THE APPROPRIATE ADJUSTMENTS MAY BE MADE.
6. ALL WORK SHALL BE LIMITED TO THE PROPERTIES AND EASEMENTS IDENTIFIED ON THE PLANS. ANY WORK WITHIN THE PUBLIC RIGHT OF WAY IS SUBJECT TO INSPECTIONS AND ENCROACHMENT PERMITS FROM THE JURISDICTION HAVING AUTHORITY OVER THE RIGHT-OF-WAY. REQUIREMENTS OF SUCH PERMITS ARE INCORPORATED INTO THESE DOCUMENTS BY REFERENCE.
7. ANY DEFECTS IN CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE OWNER WITH NO ADDITIONAL COMPENSATION.
8. CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS FOR REVIEW AND APPROVAL BY THE ARCHITECT THAT WILL INDICATE EQUIPMENT STAGING AREAS, STOCKPILE LOCATION AND SANITATION FACILITIES.
9. RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM KENTON COUNTY G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.
10. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
11. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL KENTON COUNTY AND THE CITY OF FORT WRIGHT PERMITS HAVE BEEN ISSUED AS REQUIRE
12. APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING ETC. SHALL BE ERCTED AROUND THE CONSTRUCTION AREA DURING NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL.
13. ANY EXISTING ROADWAY, LAWN, CURB, SIDEWALK OR OTHER APPURTENANCE DISTURBED DURING CONSTRUCTION NOT DESIGNATED FOR REMOVAL OR REPLACEMENT SHALL BE RESTORED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE.
14. ANY TEMPORARY UTILITY REQUIRED BY THE CONTRACTOR (ELECTRIC, WATER ETC.) SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
15. THE CONTRACTOR SHALL PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES, REFERENCE POINTS, STAKES AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE THE CONTRACTOR SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE, BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.
16. ALL PROPOSED CONCRETE PAVEMENT ABUTTING EXISTING PAVEMENT SHALL BE DOWELED INTO EXISTING CONCRETE PAVEMENT USING A ½" DEFORMED DOWEL WITH 9" MINIMUM EMBEDMENT.
17. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AND CONSTRAINTS OF THE SITE.
19. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

ACCESSIBILITY NOTES

1. ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) SHALL BE FOLLOWED IN ALL ASPECTS OF THE PROJECT.
2. ALL SIDEWALKS INSTALLED SHALL HAVE A MAXIMUM CROSS SLOPE OF 2%
3. HANDICAP ACCESSIBLE PARKING SPACES SHALL NOT EXCEED A SLOPE OF 2% IN ANY DIRECTION
4. ALL CURB RAMPS SHOWN ALONG A DESIGNATED ACCESSIBLE ROUTE SHALL BE FLUSH WITH THE ADJACENT PAVEMENT.

UTILITY NOTES
1. THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
2. PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
3. TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
4. FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE KENTUCKY UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF KENTUCKY UNDERGROUND PROTECTION.
5. THE SITE MAY CONTAIN EXISTING PRIVATELY OWNED UTILITIES. THESE HAVE BEEN SHOWN AS ACCURATELY AS POSSIBLE BASED ON EXISTING UTILITY INFORMATION, BUT THE PREPARER OF THESE DOCUMENTS DOES NOT ATTEST TO THEIR ACCURACY OR CORRECTNESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A PRIVATE UTILITY MARKING AGENCY TO IDENTIFY AND LOCATE ALL PRIVATE UTILITIES WITHIN THE WORK SITE. THIS MAY INVOLVE THE EXCAVATION AND UNCOVERING OF UTILITIES TO VERIFY LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS. CONTRACT SHALL MAKE RECORDS OF ALL PRIVATE UTILITIES ENCOUNTERED DURING THE PROJECT.
6. RECORD DRAWINGS OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.

STORM & SANITARY NOTES

1. ALL STORM AND SANITARY ITEMS SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS AND DETAILS FROM SD1. CONCRETE AND METAL PIPE MATERIALS SHALL NOT BE USED UNLESS OTHERWISE SPECIFIED ON THESE PLANS.
2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT. FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.
3. IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM AND SANITARY SEWER INSPECTIONS AS SET OUT IN THE PRECONSTRUCTION MEETING.
4. CONNECTIONS INTO EXISTING OR PROPOSED STORM OR SANITARY SEWER STRUCTURES OR PIPES SHALL BE COMPLETED BY A CERTIFIED TAPPER BY SD1.
5. DOWNSPOUT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST SPECIFICATION OF THE KENTON COUNTY SUBDIVISION REGULATIONS, SD-1 REGULATIONS AND STANDARD DRAWINGS, AND DETAILS SHOWN ON THIS PLAN. BEDDING, BACKFILLING, JOINTS, EXCAVATION AND INSTALLATION SHALL BE INCLUDED IN THE COST PER FOOT OF PIPE. STORM SEWER, DOWNSPOUT AND UNDERDRAIN PIPE MATERIAL SHALL HAVE A MANNING'S "N" VALUE OF 0.013 OR LESS (UNLESS OTHERWISE SHOWN) AND BE RIGID / SMOOTH INTERIOR WALLED PVC SDR-35 PIPE, RIBBED PVC PIPE, A-2000 PVC PIPE, UNLESS OTHERWISE SHOWN.
6. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
7. CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES, INLETS AND DETENTION SYSTEMS.
8. CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT

WATER NOTES

1. ALL WORK RELATING TO WATER MAINS OR WATER SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NORTHERN KENTUCKY WATER DISTRICT (NKWD).
2. CONTRACTOR MAY NOT USE WATER FROM FIRE HYDRANTS WITHOUT PRIOR PERMISSION FROM NKWD
3. MAINTAIN A MINIMUM 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION FROM ALL SANITARY SEWERS.

GAS NOTES

1. ALL WORK RELATING TO GAS MAINS OR GAS SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY

ELECTRIC NOTES

1. ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY

MAINTENANCE OF TRAFFIC NOTES
1. ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENT OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 112 OF KTC STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT.
3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF FORT WRIGHT AND THE FORT WRIGHT POLICE DEPARTMENT. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS.
4. RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.
5. ALTERNATE ROUTES OR CONTINUOUS TRAFFIC CONTROL SHALL BE EMPLOYED WHEN A PUBLIC WAY IS TEMPORARY BLOCKED DURING CONSTRUCTION, INCLUDING PEDESTRIAN AND BICYCLE FACILITIES. ADVANCED NOTICE SIGNS IN ACCORDANCE WITH THE MUTCD SHALL BE EMPLOYED.

GRADING AND EROSION CONTROL NOTES

1. ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION PER KDOT SPEC. 212. ALL DISTURBED AREAS SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.
2. ALL APPLICABLE RECOMMENDATIONS IN KENTUCKY'S BEST MANAGEMENT PRACTICES MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.
3. ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.
4. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS AND MATERIALS OF CONSTRUCTION. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY OF MATERIAL UNDERLYING THE PROJECT SITE. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS OR TESTING NECESSARY TO ADEQUATELY DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTING SITE CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), OBSTRUCTIONS ETC.
5. ALL TREES AND OTHER VEGETATION WITHIN THE PROJECT LIMITS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED, INCLUDED STUMP REMOVAL.
6. THE CONTRACTOR SHALL REMOVE ALL SURPLUS DEMOLISHED AND WASTE MATERIALS, INCLUDING TREES, STUMPS, TRASH AND DEBRIS, FROM THE PROJECT LIMITS AND DISPOSE OF OFF-SITE. IN NO INSTANCE SHALL MATERIAL BE BURIED ON-SITE.
7. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL MATERIAL DEEMED UNSUITABLE FOR EMBANKMENT BY THE OWNER'S REPRESENTATIVE AND BE DISPOSED OF OFF-SITE.
8. THE CONTRACTOR SHALL PROVIDE FINAL GRADING TO WITHIN 1" OF GRADES SHOWN ON THE PLANS.
9. TOPSOIL SHALL BE STRIPPED AND SOCKPILED FROM ALL AREAS TO BE GRADED, TO WHATEVER DEPTH ENCOUNTERED, AND IN A MANNER TO PREVENT INTERMIXING WITH UNDERLYING SUBSOIL. SOIL SHALL NOT BE STOCKPILED NEAR THE EDGE OF EXCAVATIONS OR WITHIN DRIP LINES OF TREES TO REMAIN.
10. EXCESS SOIL GENERATED FROM TRENCH EXCAVATIONS SHALL BE INCORPORATED IN THE UNIT PRICE BID FOR EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION. ANY EXCESS SOIL UNABLE TO BE PLACED ON-SITE OR DEEMED UNSUITABLE FOR EMBANKMENT BY THE ENGINEER SHALL BE DISPOSED OF OFF-SITE.
11. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS IN THE SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT FOR EXCAVATION AND EMBANKMENT TO CONSTRUCT THE IMPROVEMENTS AND ACHIEVE THE FINISHED GRADES SHOWN ON THE PLANS.
12. NO SLAG, RIVER GRAVEL, RECYCLED PORTLAND CEMENT CONCRETE, RECLAIMED ASPHALT CONCRETE PAVEMENT OR RECLAIMED BITUMINOUS AGGREGATE BASE SHALL BE USED AS FILL.
13. EXPOSED PAVEMENT SUBGRADE AREAS SHALL BE MAINTAINED IN CONDITIONS TO PREVENT PONDING OF WATER AFTER RAINS.
14. ALL EXISTING AND PROPOSED MANHOLE COVERS, VALVE BOXES, ETC. LOCATED WITHIN PEDESTRIAN ACCESS SHALL BE FLUSH MOUNTED WITH THE WALKING SURFACE.
15. SLOPE ALL PAVING AND LANDSCAPE AREAS AWAY FROM THE BUILDING AT A MINIMUM OF 1%
16. THE ENGINEER MAKES NO REPRESENTATION AS TO A BALANCED EARTHWORK SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE FINAL SITE GRADES AS INDICATED ON THE GRADING PLAN, INCLUDING THE IMPORT OR EXPORT OF MATERIAL IF REQUIRED TO ACHIEVE THE PROPOSED GRADES. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL SURPLUS EARTHWORK, DEBRIS OR WASTE FROM THE SITE. ALL COST FOR THE ABOVE SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE FOR EXCAVATION AND/OR EMBANKMENT.
17. THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES TO REMAIN FROM DAMAGE CAUSED BY EARTHWORK OPERATIONS.
18. MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR(S)
19. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF REPAIR AND/OR REPLACEMENT OF BMP'S

EARTHWORK NOTES
1. BACKFILL SOIL IS AVAILABLE AT 115 KENNEDY ROAD, FORT WRIGHT, KY 41011.

EROSION CONTROL LEGEND

IP	INLET PROTECTION (SEE DETAIL)
CD	CHECK DAM
CE	CONSTRUCTION ENTRANCE
WA	CONCRETE WASHOUT
RCP	ROCK CHANNEL PROTECTION
SDD	SKIMMER DEWATERING DEVICE
SF	PROPOSED SILT FENCE

SYMBOL LEGEND	
	EXISTING GAS LINE
	EXISTING GAS SERVICE
	EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
	EXISTING CABLE (UNDERGROUND / OVERHEAD)
	EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)
	EXISTING WATER MAIN
	EXISTING WATER SERVICE
	EXISTING STORM SEWER
	EXISTING ROOF DRAIN
	EXISTING SANITARY SEWER
	EXISTING SANITARY FORCE MAIN
	EXISTING FIBER OPTICS
	EXISTING FENCE
	EXISTING CONTOURS (MAJOR)
	EXISTING CONTOURS (MINOR)
	EXISTING RIGHT OF WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING GUARDRAIL
	EXISTING TREE LINE
	PROPOSED GAS LINE
	PROPOSED GAS SERVICE
	EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
	PROPOSED CABLE (UNDERGROUND / OVERHEAD)
	PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD)
	PROPOSED WATER MAIN
	PROPOSED WATER SERVICE
	PROPOSED UNDERDRAIN
	PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBO
	PROPOSED SANITARY SEWER
	PROPOSED SANITARY FORCE MAIN
	PROPOSED FIBER OPTICS
	PROPOSED FENCE
	PROPOSED CONTOURS (MAJOR)
	PROPOSED CONTOURS (MINOR)
	PROPOSED RIGHT OF WAY
	PROPOSED PROPERTY LINE
	PROPOSED EASEMENT
	PROPOSED GUARDRAIL
	PROPOSED TREE LINE / CLEARING LIMITS
	PROPOSED DISTURBED LIMITS
	EXISTING FLAGPOLE
	EXISTING MAILBOX
	EXISTING SIGN
	EXISTING CABLE PEDESTAL
	EXISTING ELECTRIC PEDESTAL
	EXISTING PULL BOX
	EXISTING GROUND LIGHT
	EXISTING LIGHT POLE
	EXISTING ELECTRIC METER
	EXISTING ELECTRIC MANHOLE
	EXISTING GAS METER
	EXISTING GAS VALVE
	EXISTING GAS BOX
	EXISTING UTILITY POLE
	EXISTING GUY WIRE / ANCHOR
	EXISTING SANITARY MANHOLE
	EXISTING SANITARY CLEANOUT
	EXISTING STORM MANHOLE
	EXISTING SINGLE / DOUBLE CURB INLET
	EXISTING CATCH BASIN
	EXISTING STORM CLEANOUT
	EXISTING TELEPHONE MANHOLE
	EXISTING TELEPHONE PEDESTAL
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING BUSHES / TREES
	EXISTING SURVEY BENCHMARK
	TEST BORING LOCATION
	PROPOSED FLAGPOLE
	PROPOSED MAILBOX
	PROPOSED SIGN
	PROPOSED CABLE PEDESTAL
	PROPOSED ELECTRIC PEDESTAL
	PROPOSED PULL BOX
	PROPOSED GROUND LIGHT
	PROPOSED LIGHT POLE
	PROPOSED ELECTRIC METER
	PROPOSED ELECTRIC MANHOLE
	PROPOSED GAS METER
	PROPOSED GAS VALVE
	PROPOSED GAS BOX
	PROPOSED UTILITY POLE
	PROPOSED GUY WIRE / ANCHOR
	PROPOSED SANITARY MANHOLE
	PROPOSED SANITARY CLEANOUT
	PROPOSED STORM MANHOLE
	PROPOSED SINGLE / DOUBLE CURB INLET
	PROPOSED CATCH BASIN
	PROPOSED STORM CLEANOUT
	PROPOSED TELEPHONE MANHOLE
	PROPOSED TELEPHONE PEDESTAL
	PROPOSED FIRE HYDRANT
	PROPOSED WATER METER
	PROPOSED WATER VALVE
	REMOVE EXISTING BUSH / TREE
	PROPOSED SLOPE DIRECTION

300 BUTTERMILK PIKE, SUITE 332
FORT MITCHELL, KENTUCKY 41017
TEL: (609) 525-0644
WWW.VERDANTAS.COM

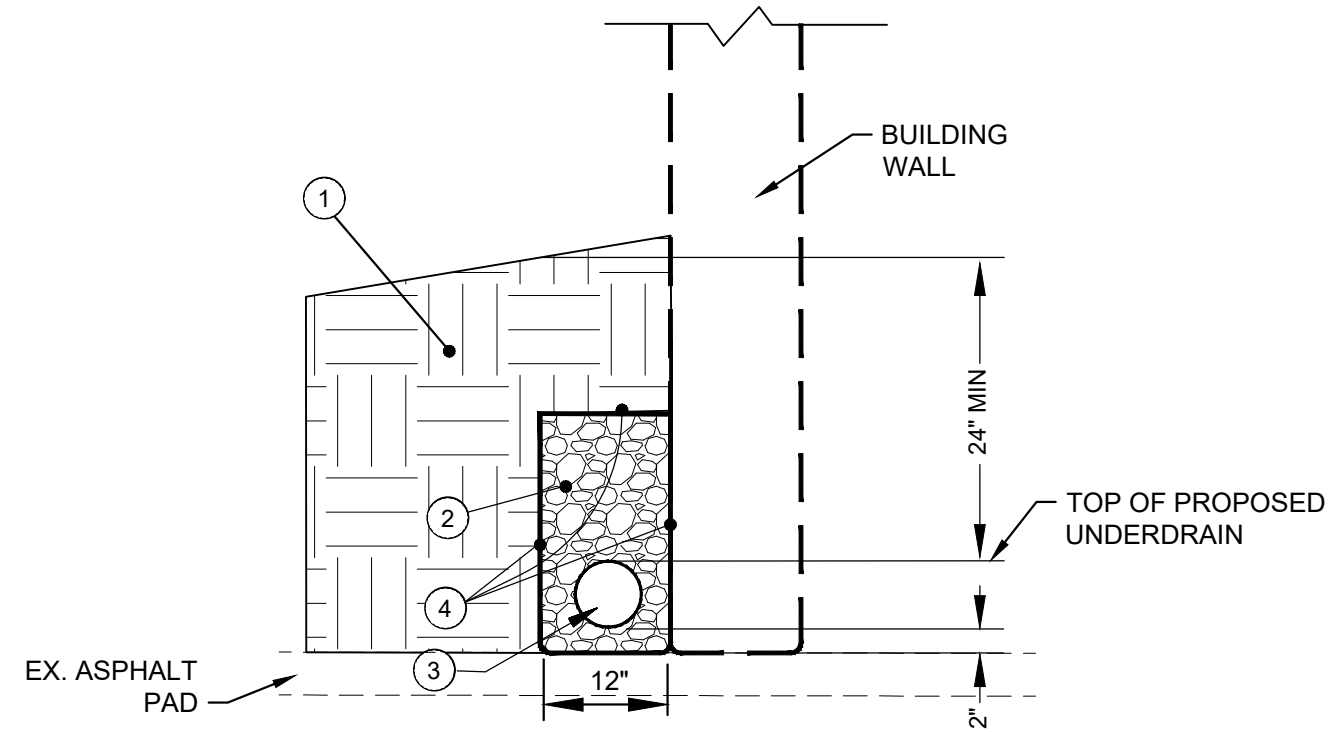
DATE	REVISION	NO

ISSUED FOR:	BIDDING	07/09/2026
ISSUE DATE:	SCALE:	DESIGNED BY:

**FORT WRIGHT SALT STORAGE
BUILDING - PHASE II
CITY OF FORT WRIGHT
KENTON COUNTY, KY**

GENERAL NOTES & LEGEND

PROJECT NO.	39973-02
DISCIPLINE	CIVIL
SHEET NAME	NOTES
SHEET	OF
2	7



- ① BACKFILL AGAINST PROPOSED BUILDING PER PLAN
- ② CLEAN NO. 57 CRUSHED STONE (LESS THAN 3% FINES), PLACED AND COMPACTED UP TO 4" BELOW TOPSOIL OR BOTTOM OF PAVEMENT
- ③ ITEM 704 - 4" RIGID PERFORATED PVC PIPE UNDERDRAIN
- ④ MIRAFI 140N OR EQUIVALENT NON WOVEN DRAINAGE GEOTEXTILE - CONSTRUCT AROUND BOTTOM AND SIDES OF TRENCH, ALSO LAPPED OVER TOP OF STONE BACKFILL.

UNDERDRAIN DETAIL
SCALE: NONE

verdantas

300 BUTTERMILK PIKE, SUITE 332
FORT MITCHELL, KENTUCKY 41017
TEL: (609) 525-0644
WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	07/09/2026			
SCALE:				
DESIGNED BY:	TPEL			
DRAWN BY:	TPEL			
CHECKED BY:	MHEL			

**FORT WRIGHT SALT STORAGE
BUILDING - PHASE II
CITY OF FORT WRIGHT
KENTON COUNTY, KY**

CONSTRUCTION DETAILS

PROJECT NO.	
39973-02	
DISCIPLINE	
CIVIL	
SHEET NAME	
DET1	
SHEET	OF
3	7

SEDIMENT BASINS

DEFINITION
A TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A WATERCOURSE OR AT OTHER SUITABLE LOCATION TO RETAIN SEDIMENT AND OTHER WATERBORNE DEBRIS.

SCOPE
THIS STANDARD ESTABLISHES MINIMUM ACCEPTABLE QUALITY FOR THE DESIGN AND CONSTRUCTION OF TEMPORARY SEDIMENT BASINS FORMED BY AN EMBANKMENT, EXCAVATION OR A COMBINATION OF EMBANKMENT AND EXCAVATION. THE STANDARD IS LIMITED TO SITES WHERE:

- FAILURE OF THE STRUCTURE WOULD NOT RESULT IN LOSS OF LIFE, DAMAGE TO HOMES, COMMERCIAL OR INDUSTRIAL BUILDINGS, DAMAGE TO HIGHWAYS OR RAILROADS OR INTERRUPTION OF USE OR SERVICE OF PRIVATE UTILITIES.
- THE HEIGHT OF DAM IS 25 FEET OR LESS, AS MEASURED FROM THE NATURAL STREAMBED AT THE CENTERLINE OF DAM TO THE TOP OF DAM.
- THE TOTAL VOLUME OF STORAGE IS 150 ACRE-FEET OR LESS.
- THE DRAINAGE AREA IS 100 ACRES OR LESS.
- THE BASIN WILL BE REMOVED WITHIN A THREE-YEAR PERIOD AFTER CONSTRUCTION.

PURPOSE
TEMPORARY SEDIMENT BASINS ARE USED AS A MEANS OF TRAPPING AND STORING SEDIMENT FROM ERODING AREAS IN ORDER TO PROTECT DOWNSTREAM AREAS FROM DAMAGE RESULTING FROM SEDIMENTATION AND WATERBORNE DEBRIS.

CONDITIONS WHERE PRACTICE APPLIES
TEMPORARY SEDIMENT BASINS APPLY WHERE PHYSICAL SITE CONDITIONS OR OTHER RESTRICTIONS PRECLUDE THE INSTALLATION OF EROSION CONTROL MEASURES TO ADEQUATELY CONTROL EROSION AND SEDIMENTATION. IT MAY BE USED DOWN-SLOPE FROM CONSTRUCTION OPERATIONS WHICH EXPOSE AREAS TO EROSION. TEMPORARY SEDIMENT BASINS WILL BE REMOVED AFTER THE EXPOSED AREAS ARE ADEQUATELY PROTECTED AGAINST EROSION BY VEGETATIVE OR MECHANICAL MEANS.

COMPLIANCE WITH LAWS AND REGULATIONS
DESIGN AND CONSTRUCTION SHALL COMPLY WITH ALL LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS.

LOCATION
TO IMPROVE THE EFFECTIVENESS OF THE BASIN, IT SHOULD BE LOCATED SO AS TO INTERCEPT THE LARGEST POSSIBLE AMOUNT OF RUNOFF FROM THE DISTURBED AREA. THE BEST LOCATIONS ARE GENERALLY LOW AREAS AND NATURAL DRAINAGEWAYS BELOW DISTURBED AREAS. DRAINAGE INTO THE BASIN CAN BE IMPROVED BY THE USE OF DIVERSION DIKES AND DITCHES. THE BASIN MUST NOT BE LOCATED IN A LIVE STREAM BUT SHOULD BE LOCATED TO TRAP SEDIMENT-LOADED RUNOFF BEFORE IT ENTERS THE STREAM. THE BASIN SHOULD NOT BE LOCATED WHERE ITS FAILURE WOULD RESULT IN THE LOSS OF LIFE OR IN INTERRUPTION OF THE USE OR SERVICE OF PUBLIC UTILITIES OR ROADS.

MULTIPLE USE
SEDIMENT BASINS MAY BE DESIGNED AS PERMANENT STRUCTURES TO REMAIN IN PLACE AFTER CONSTRUCTION IS COMPLETED. SITE CONDITIONS MAY MAKE THE USE OF THESE STRUCTURES DESIRABLE FOR STORMWATER DETENTION PURPOSES. WHEREVER THESE STRUCTURES ARE TO BECOME PERMANENT, OR IF THEY EXCEED THE SIZE LIMITATIONS OF THE DESIGN CRITERIA, THEY MUST BE DESIGNED AS PERMANENT PONDS BY A QUALIFIED PROFESSIONAL ENGINEER. PERMANENT PONDS ARE BEYOND THE SCOPE OF THESE STANDARDS AND SPECIFICATIONS. THE PERMANENT STRUCTURES MUST BE SUBMITTED WITH CONSTRUCTION DRAWINGS FOR REVIEW AND ACCEPTANCE BY THE CITY ENGINEER.

MAINTENANCE BASINS SHALL BE CHECKED WEEKLY AND CLEANED WHEN NO LONGER EFFECTIVE.

STORM DRAIN INLET PROTECTION

DEFINITION
A SEDIMENT FILTER INSTALLED AROUND A STORM DRAIN INLET OR CURB INLET TO REDUCE SEDIMENT DISCHARGE.

PURPOSE
TO PREVENT SEDIMENT FROM ENTERING THE STORM DISCHARGE SYSTEMS PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED DRAINAGE AREA. DIFFERENT TYPES OF STRUCTURES ARE APPLICABLE TO DIFFERENT CONDITIONS.

STORM WATER POLLUTION PREVENTION NOTES

- SANITATION DISTRICT NO. 1 IS TO BE CONTACTED 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AT 859-576-6892
- ALL EROSION AND SEDIMENTATION CONTROL SHALL BE PERFORMED AS SHOWN ON THE PLANS, AND SHALL BE IN COMPLIANCE WITH THE LATEST CONSTRUCTION ACTIVITY "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" RULES AND REGULATIONS.
- A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND A COPY OF THE "NOTICE OF INTENT" (NOI) SHALL BE KEPT ON SITE.
- AN AMENDMENT OF THE SWPPP IS REQUIRED WHENEVER A CHANGE IN DESIGN, CONSTRUCTION, AND OPERATION OR MAINTENANCE HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS, OR IF THE SWPPP PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF THE SWPPP.
- THE CONTRACTOR SHALL ALSO MAINTAIN THE FOLLOWING RECORDS ON SITE:
 - GENERAL CONTRACTOR AND/OR SUBCONTRACTOR SWPPP CERTIFICATIONS
 - THE DATE, TIME, AND EXACT LOCATION OF THE INSPECTION, AND THE NAME OF THE INSPECTOR
 - AN ASSESSMENT OF THE CONDITION OF THE EROSION CONTROLS
 - A DESCRIPTION OF ANY EROSION CONTROL IMPLEMENTATION AND MAINTENANCE PERFORMED
 - A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION AT THE SITE
- CONSTRUCTION SEQUENCE
 - ALL PERIMETER SILT FENCE, INLET PROTECTION AND OTHER EROSION CONTROLS SHALL BE IN PLACE BEFORE ANY OTHER EARTH MOVING ACTIVITIES BEGIN.
 - THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THE AREAS PLANNED FOR EARTH MOVING.
 - REMOVE TOPSOIL, STOCKPILE IT, AND INSTALL SILT FENCE AROUND PERIMETER.
 - SEED SOIL STOCKPILE WITH PERENNIAL RYE GRASS AND MULCH WITH STRAW IF NO TO BE DISTURBED FOR MORE THAN 21 DAYS.
 - CONSTRUCT DETENTION BASIN AND CONTROL STRUCTURE. DETENTION BASIN SHALL BE USED AS A SEDIMENT BASIN UNTIL THE SITE IS STABILIZED.
 - INSTALL STORM SEWER SYSTEM AND SURFACE STORM INLET AND MANHOLE PROTECTION.
 - ESTABLISH A TEMPORARY SEEDING ON ALL BARE AREAS THAT ARE TO REMAIN UNDISTURBED FOR MORE THAN 21 DAYS. SEED WITH PERENNIAL RYE GRASS MULCH WITH STRAW.
 - IMMEDIATE AFTER TOPSOIL HAS BEEN PLACED, STABILIZE THE SAME SURFACE AREA WITH FINAL SEED AND MULCH 7 DAYS AFTER REACHING FINAL GRADE.
 - AFTER THE VEGETATION HAS BECOME WELL ESTABLISHED, REMOVE TEMPORARY EROSION OR SEDIMENT CONTROL PRACTICES.
- EROSION CONTROLS MUST BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF 0.5" OR GREATER RAINFALL. REMOVE ACCUMULATED SEDIMENT FROM EROSION CONTROLS.
- TEMPORARY SEEDING SHALL BE PERENNIAL RYE GRASS (40 LB / ACRE) AND MULCH AT 3 BALES OF STRAW PER 1000 S.F.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING BORROW MATERIAL ONSITE AND / OR DISPOSING OF EXCESS MATERIAL OFF SITE AS REQUIRED TO MEET INDICATED DESIGN ELEVATIONS.
- DEBRIS SHALL BE COLLECTED WITHIN PROPERTY LIMITS WEEKLY OR AS NEEDED FOR PUBLIC SAFETY. SURROUNDING STREETS AFFECTED BY THE CONSTRUCTION SHALL BE CLEANED DAILY OR AS NEEDED FOR PUBLIC SAFETY. SEE CONSTRUCTION ENTRANCE DETAIL IN SWPPP DETAILS SHEET.
- THE CONSTRUCTION OF BMPs SHALL BE REVISED OR ADDED IF DEEMED NECESSARY PER SECTION 1000 OF THE SANITATION DISTRICT 1 REGULATIONS.
- CONTACT SANITATION DISTRICT NO. 1 72 HOURS PRIOR TO INSTALLATION OF THE WATER QUALITY FEATURE.

NOTES:

- SUBSOILING SHALL OCCUR WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT PERMITTED ON SLIP-PRONE AREAS.
- THE SITE SHALL BE GRADED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
- TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.
- THE SEEDBED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
- APPLY SEED UNIFORMLY ON FIRM, MOIST SEED BED.
- SEEDING SHOULD BE APPLIED FROM MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THESE DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHALL OCCUR WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND.
- SEEDING SHOULD NOT BE APPLIED FROM OCTOBER 1 TO NOVEMBER 20 BECAUSE SEEDS MAY GERMINATE, BUT WILL NOT SURVIVE THE WINTER. USE THE FOLLOWING METHODS FOR DORMANT SEEDING:
 - FROM OCTOBER 1 TO NOVEMBER 20, INCREASE THE SEEDING RATE BY 50%. PREPARE THE SEED BED, ADD LIME AND FERTILIZER, MULCH AND ANCHOR.
 - FROM NOVEMBER 20 TO MARCH 15, ONLY IF SOIL CONDITIONS PERMIT, INCREASE THE SEEDING RATE BY 50%. PREPARE THE SEED BED, ADD LIME AND FERTILIZER, APPLY THE SEED MIXTURE, MULCH AND ANCHOR.
- APPLY MULCH MATERIAL IMMEDIATELY AFTER SEEDING.
- PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS AS NEEDED. AVOID EXCESSIVE IRRIGATION AND MONITOR TO PREVENT EROSION AND DAMAGE FROM RUNOFF.
- PERMANENT SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF PLANTING. DURING THIS PERIOD, INSPECT FOR SOIL EROSION OR PLANT LOSS AND REPAIR BARE OR SPARSE AREAS. FILL GULLIES, RE-FERTILIZE, RE-SEED OR RE-MULCH AS NEEDED.
- A MINIMUM OF 70% GROWTH DENSITY, BASED ON A VISUAL INSPECTION, MUST EXIST FOR AN ADEQUATE PERMANENT VEGETATIVE PLANTING.

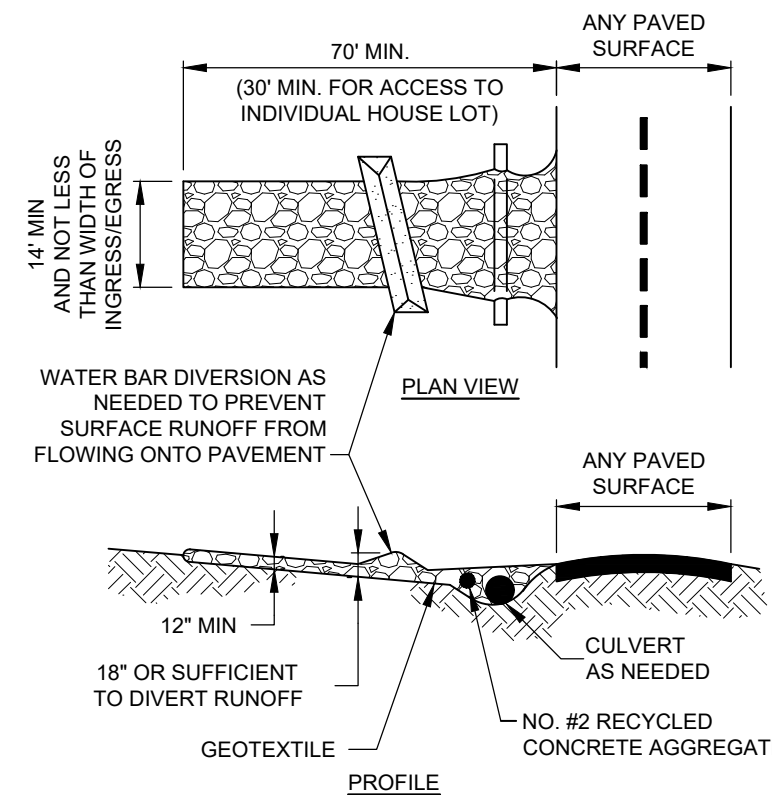
PERMANENT SEEDING FERTILIZATION AND MOWING CHART

MIXTURE	FORMULA	LB/ AC.	TIME	MOW
CREeping RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	10-10-10	500	FALL, YEARLY, OR AS NEEDED	≥3"
TALL FESCUE	10-10-10	500		≥4"
TURF-TYPE FESCUE	10-10-10	500		
CROWN VETCH FESCUE	0-20-20	400	SPRING, AND YEARLY AFTER ESTABLISHED	DO NOT MOW
FLAT PEA FESCUE	0-20-20	400		

PERMANENT SEEDING SPECIES SELECTION

SEED MIX	SEED RATE LB/AC.	NOTES:
GENERAL USE		
CREeping RED FESCUE	20 - 40	FOR CLOSE MOWING AND WATERWAYS WITH <2.0 FT/SEC. VELOCITY
DOMESTIC RYEGRASS	10 - 20	
KENTUCKY BLUEGRASS	20 - 40	
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE	90	
STEEP BANKS OR CUT SLOPES		
TALL FESCUE	40 - 50	
CROWN VETCH FESCUE	10 - 20	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20 - 30	
FLAT PEA FESCUE	20 - 25	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20 - 30	
ROAD DITCHES AND SWALES		
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE	90	
KENTUCKY BLUEGRASS	100 - 120	
PERENNIAL RYEGRASS	100 - 120	
LAWN		
KENTUCKY BLUEGRASS	100 - 120	FOR SHADED AREAS
PERENNIAL RYEGRASS	100 - 120	
CREeping RED FESCUE	100 - 120	

PERMANENT SEEDING DETAIL
SCALE: NONE



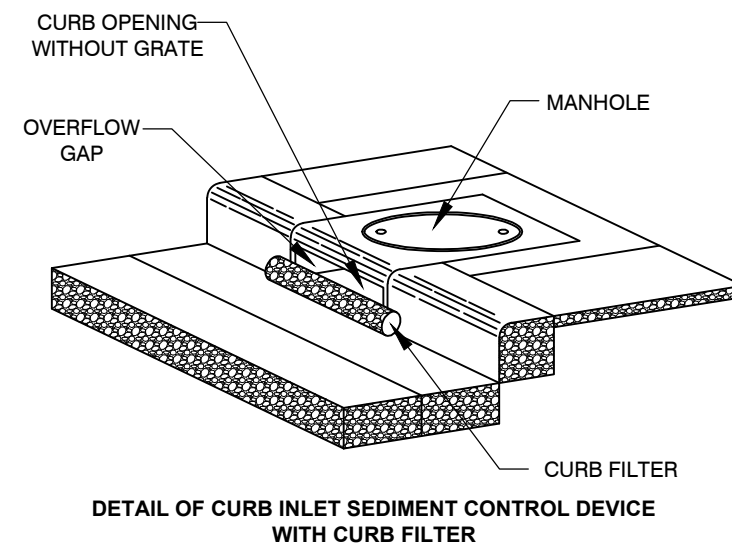
CONSTRUCTION ENTRANCE
SCALE: NONE

- PLACE GEOTEXTILE OVER THE ENTIRE AREA PRIOR TO PLACING STONE MEETING THE MIN. SPECIFICATIONS:
 - TENSILE STRENGTH = 200 LBS.
 - PUNCTURE STRENGTH = 80 PSI
 - TEAR STRENGTH = 50 LBS.
 - BURST STRENGTH = 320 PSI
 - ELONGATION = 20%
 - EQUIVALENT OPENING SIZE ≤ 0.6 MM
 - PERMITTIVITY = 0.001 CM/SEC
- APPLY ADDITIONAL STONE AS CONDITIONS DEMAND AND REPLENISH STONE WHEN THE DEPTH IS LESS THAN 6". REMOVE AND REPLACE IF STONES BECOMES MUD-LADEN.
- IMMEDIATELY REMOVE MUD DROPPED, WASHED OR TRACKED ONTO ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS BY SCRAPING OR SWEEPING.
- CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES OR TO PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

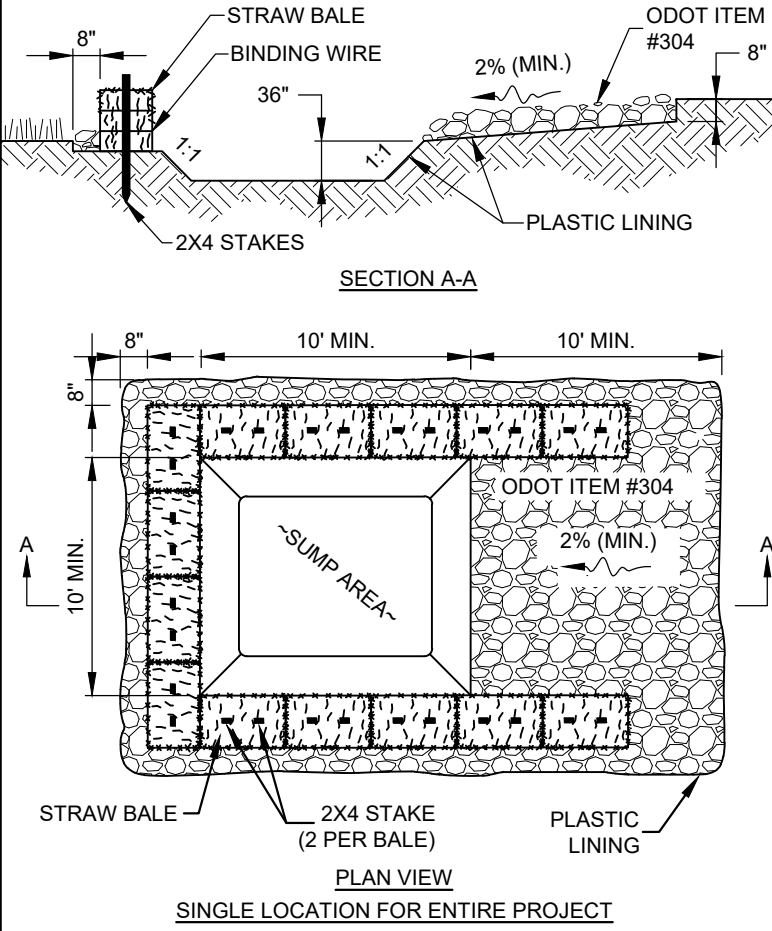
TEMPORARY SEEDING SPECIES SELECTION

DATES	SPECIES	LB/1,000 SF	LB/AC.
MARCH 1 TO AUGUST 15	OATS	3	128
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
AUGUST 16 TO NOVEMBER 1	PERENNIAL RYEGRASS	2	40
	TALL FESCUE	1	40
	RYE	3	112
NOVEMBER 1 TO SPRING	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	WHEAT	3	120
NOVEMBER 1 TO SPRING	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	TALL FESCUE	2	40
NOVEMBER 1 TO SPRING	PERENNIAL RYEGRASS	1	40
	TALL FESCUE	1	40
	ONLY MULCH OR DORMANT SEEDING.		

TEMPORARY SEEDING DETAIL
SCALE: NONE



DANDY CURB
SCALE: NONE



CONCRETE WASHOUT DETAIL
SCALE: NONE

- WASHOUT PIT SHALL BE LOCATED 100' MINIMUM FROM INLETS, STREAMS, WETLANDS AND ANY OTHER SURFACE WATERS.
- ALL EXCESS CONCRETE AND CONCRETE WASHOUT, INCLUDING FROM HAND MIXERS AND LIGHT EQUIPMENT, SHALL BE DISPOSED OF IN THE CONCRETE WASHOUT AREA. DISPOSAL OF EXCESS CONCRETE OR CONCRETE WASHOUT ON THE GROUND, OR IN STORM DRAINS, DITCHES OR WATER BODIES, IS PROHIBITED.
- CONCRETE WASHOUT AREA SHALL BE SUFFICIENT SIZE TO CONTAIN CONCRETE WASTE GENERATED. FOR LARGER SITES, MULTIPLE CONCRETE WASHOUT AREAS MAY BE REQUIRED.
- IF CONCRETE WASHOUT AREA IS LOCATED AWAY FROM A PAVED SURFACE, CONSTRUCT A GRAVEL ACCESS ROUTE EQUAL IN COMPOSITION TO THE CONSTRUCTION ENTRANCE.
- PLASTIC LINING SHALL BE DOUBLE-LINED, CONTINUOUS 10-ML POLYETHYLENE SHEETING FREE OF HOLES, TEARS OR OTHER DEFECTS, AND INSTALLED ON A SMOOTH, LEVEL SURFACE, FREE OF ROCKS OR DEBRIS.
- CONCRETE WASHOUT SIGNAGE SHALL BE CLEARLY VISIBLE AND LOCATED WITHIN 30 FEET OF EACH WASHOUT AREA.
- CONCRETE WASHOUT AREAS SHALL BE COVERED DURING INCLEMENT WEATHER TO PREVENT OVERFLOWS.
- PREFABRICATED, PORTABLE AND RE-USABLE CONCRETE WASHOUT CONTAINERS ARE ACCEPTABLE, BUT MUST BE SPECIFICALLY DESIGNED FOR CONCRETE WASHOUT USE.
- CONCRETE WASHOUT AREA SHALL BE INSPECTED DAILY TO CHECK FOR DAMAGE AND TO DETERMINE IF IT NEEDS CLEANED OR REPLACED. ANY DAMAGE TO THE SIDEWALLS OR POLYETHYLENE SHEETING SHALL BE REPAIRED IMMEDIATELY. THE CONCRETE WASHOUT AREA SHALL BE CLEANED OR REPLACED WHEN IT IS 75% FULL. THE POLYETHYLENE SHEETING SHALL BE REPLACED AFTER EACH CLEANING.
- SAW CUT CONCRETE, RESIDUE FROM SAW CUT, AND GRINDINGS SHALL BE DISPOSED OF IN THE WASHOUT PIT.

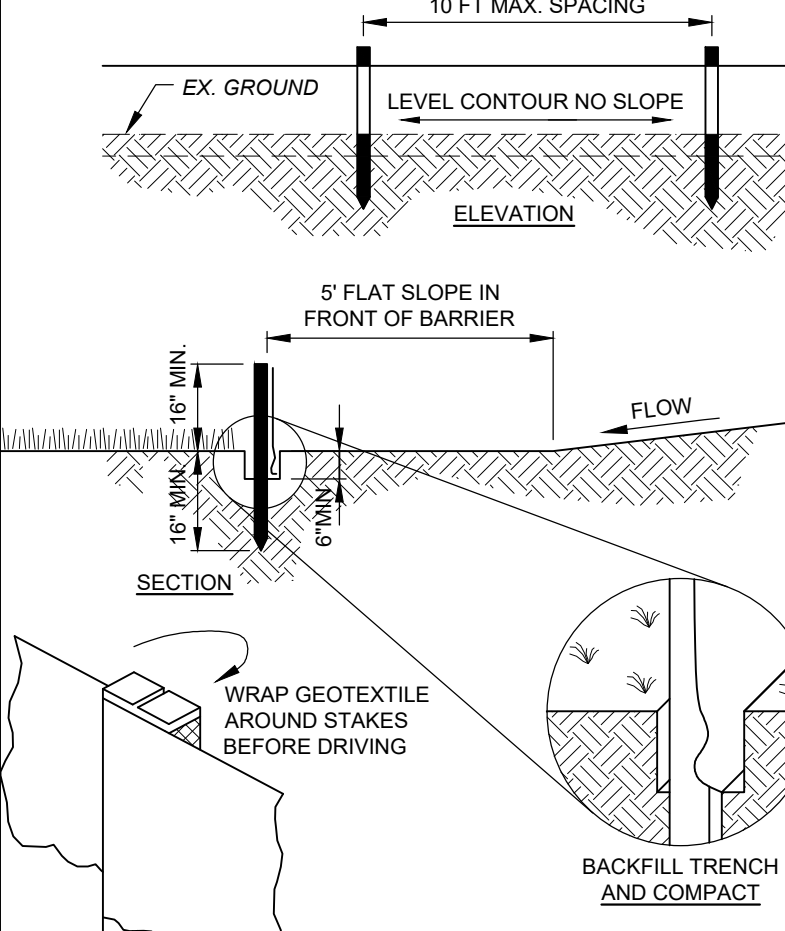
TEMPORARY SEEDING DETAIL
SCALE: NONE

- THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.
- SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH ADEQUATE VEGETATION. PERFORM SOIL TESTS ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
- APPLY SEED UNIFORMLY. COVER BROADCAST SEED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPING INTO PLACE.
- APPLY MULCHING IMMEDIATELY AFTER SEEDING.
- SEEDING SHALL BE INSPECTED FOR BARE SPOTS AND WASHOUTS, AND RESEEDED AS NECESSARY.

CONCRETE WASHOUT DETAIL
SCALE: NONE



ROCK CHANNEL PROTECTION
SCALE: NONE



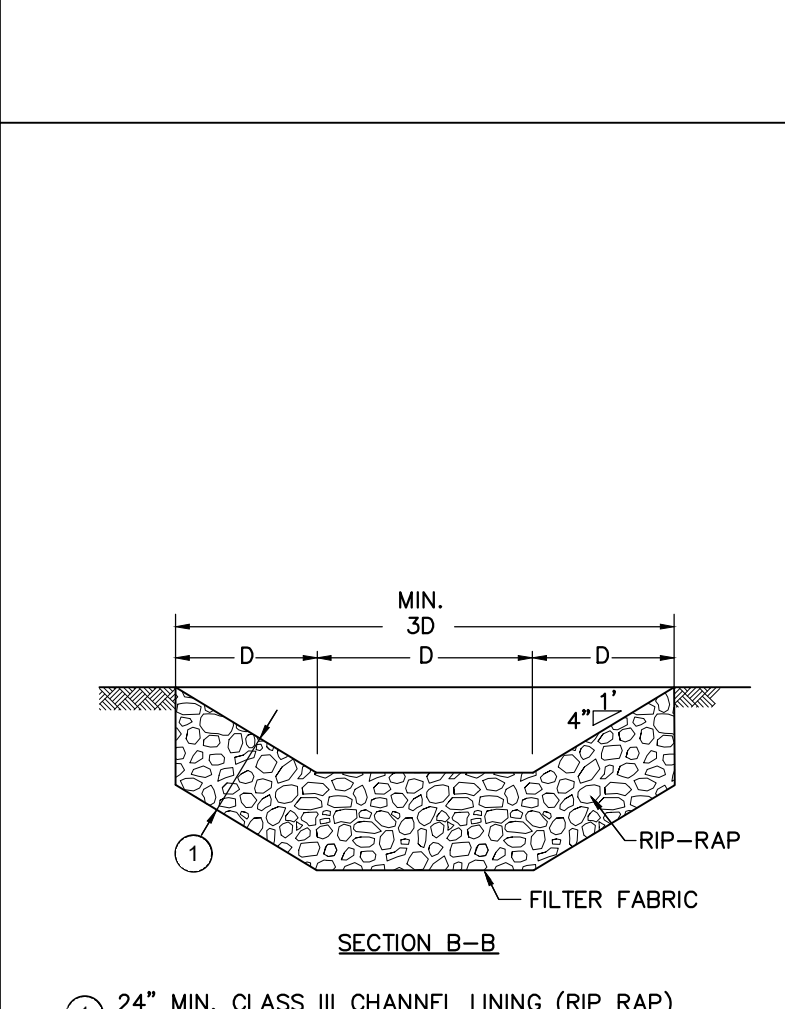
SILT FENCE
SCALE: NONE

- PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
- SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW:
 - CHANGE THE LAYOUT OF THE SILT FENCE.
 - REMOVE ACCUMULATED SEDIMENT.
 - INSTALL OTHER PRACTICES.

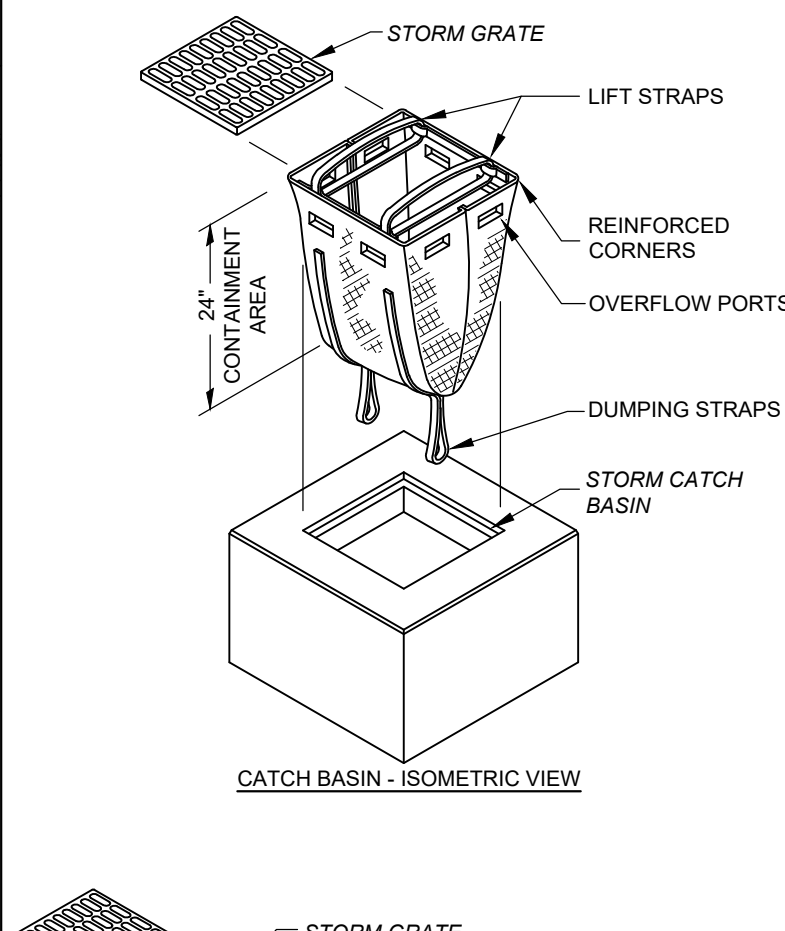
SILT FENCE
SCALE: NONE

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MIN	ASTM D-1682
MULLEN BURST STRENGTH	190 PSI MIN	ASTM D-3786
SLURRY FLOW RATE	0.3 GAL./MIN./S.F. MAX.	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MIN	ASTM-G-26

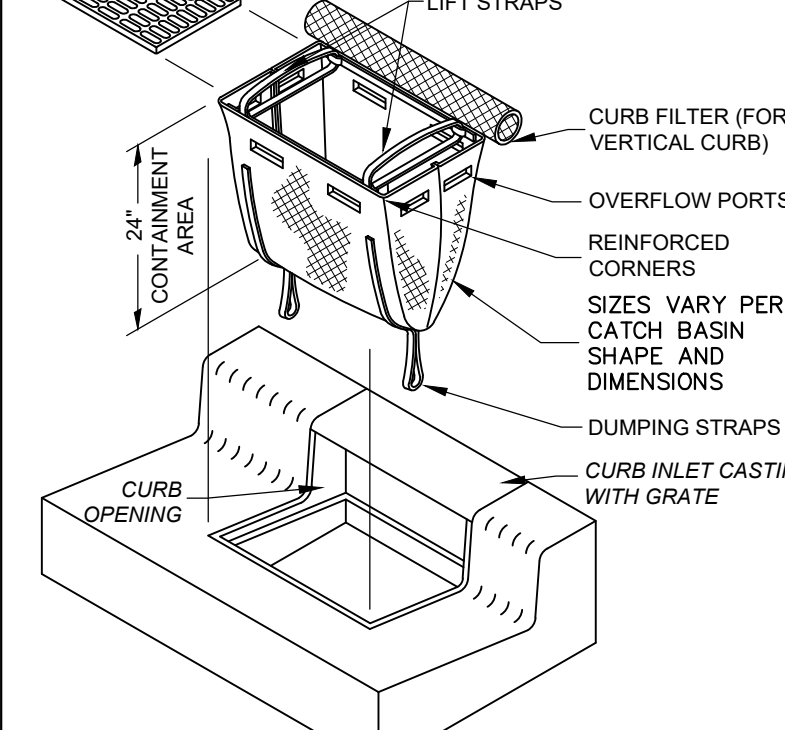
CONCRETE WASHOUT DETAIL
SCALE: NONE



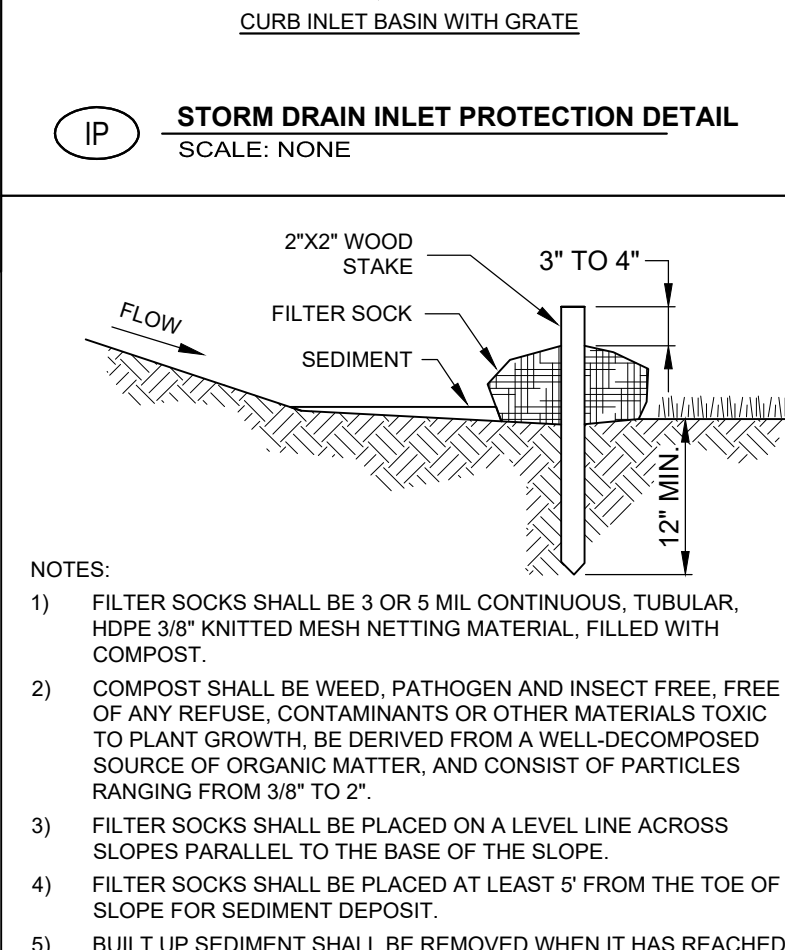
ROCK CHANNEL PROTECTION
SCALE: NONE



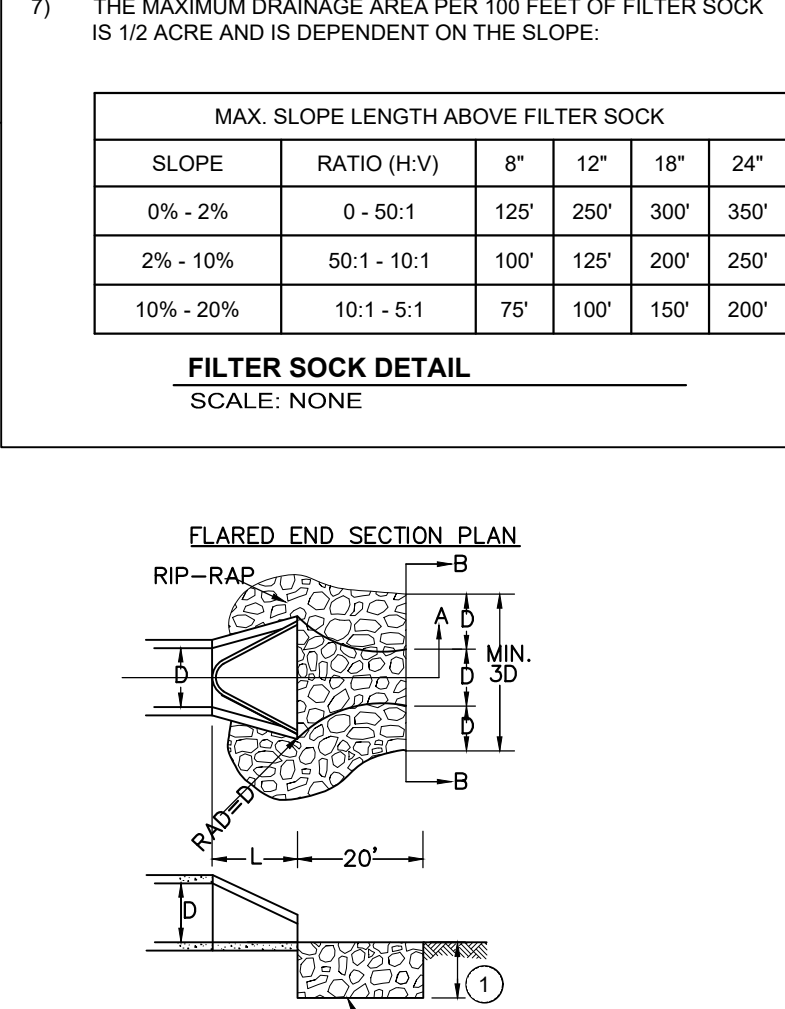
STORM DRAIN INLET PROTECTION DETAIL
SCALE: NONE



STORM DRAIN INLET PROTECTION DETAIL
SCALE: NONE



CONCRETE WASHOUT DETAIL
SCALE: NONE



ROCK CHANNEL PROTECTION
SCALE: NONE

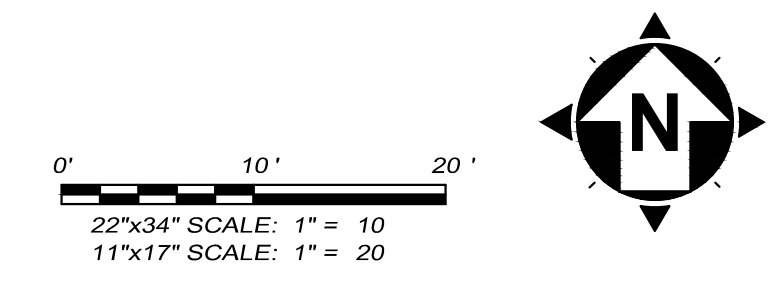


DATE	REVISION	NO	ISSUED FOR:	BIDDING	ISSUE DATE:	SCALE:	DESIGNED BY:	TPEL	TPEL	MHEL	CHECKED BY:
				07/09/2026							

FORT WRIGHT SALT STORAGE BUILDING - PHASE II
CITY OF FORT WRIGHT
KENTON COUNTY, KY

EROSION & SEDIMENTATION CONTROL DETAILS

PROJECT NO.	39973-02
DISCIPLINE	CIVIL
SHEET NAME	DET2
SHEET	4
OF	7



- CONSTRUCTION NOTES**
- 1 INSTALL RIGID 4" PERFORATED UNDERDRAIN
 - 2 CONNECT PROPOSED UNDERDRAIN TO EX. CLEANOUT (INCIDENTAL TO UNDERDRAIN ITEM).
 - 3 INSTALL 6" WHITE THERMOPLASTIC CROSSWALK STRIPING
 - 4 INSTALL 6" DIAMETER BOLLARD (SEE SHEET A-2 FOR DETAILS)
 - 5 EXTEND ELECTRICAL SERVICE FROM PUBLIC WORKS BUILDING'S OUTDOOR LIGHTING CIRCUIT THROUGH EX. 1" PVC CONDUIT (ADHERE TO THE NATIONAL ELECTRICAL CODE FOR WIRE SIZING).

GRADING LEGEND

EXISTING SPOT ELEVATION	EX 232.46
PROPOSED SPOT ELEVATION	232.60
PROPOSED SPOT ELEVATION AT TOP/BACK OF CURB	TC 232.60
PROPOSED SPOT ELEVATION AT FACE/BOTTOM OF CURB	FC 232.60
PROPOSED SPOT ELEVATION AT HIGH POINT	HP 232.60
PROPOSED SPOT ELEVATION AT LOW POINT	LP 232.60
PROPOSED SPOT ELEVATION AT STRUCTURE GRATE	GR 232.60
PROPOSED GRADE LABEL	10.8%
GRADING LIMITS	---

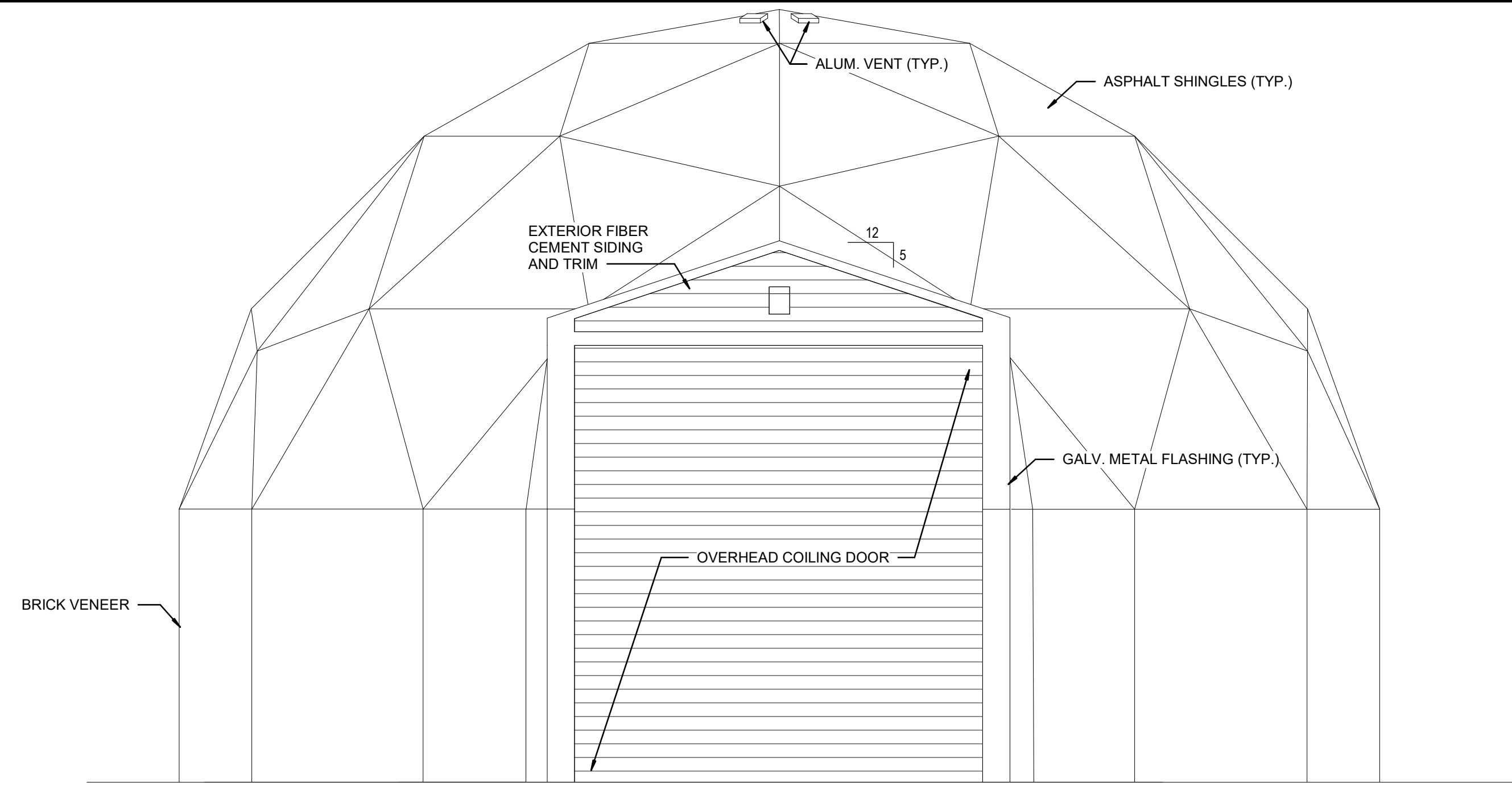


ISSUED FOR:	BIDDING	NO.	DATE
ISSUE DATE:	07/09/2026		
SCALE:	TPEL	REVISION	
DESIGNED BY:	TPEL		
DRAWN BY:	MHEL		
CHECKED BY:			

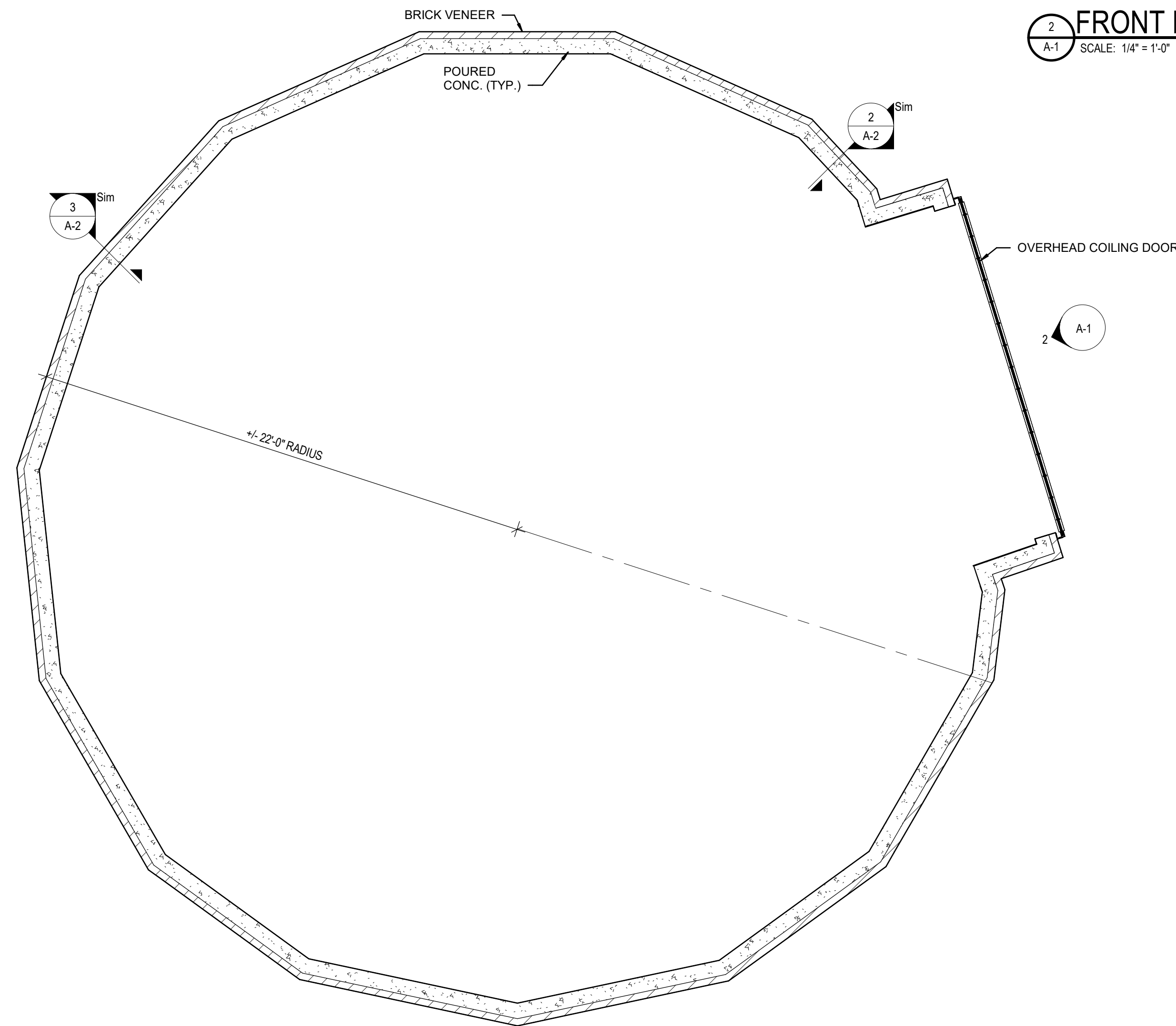
**FORT WRIGHT SALT STORAGE
BUILDING - PHASE II
CITY OF FORT WRIGHT
KENTON COUNTY, KY**

SITE & GRADING PLAN

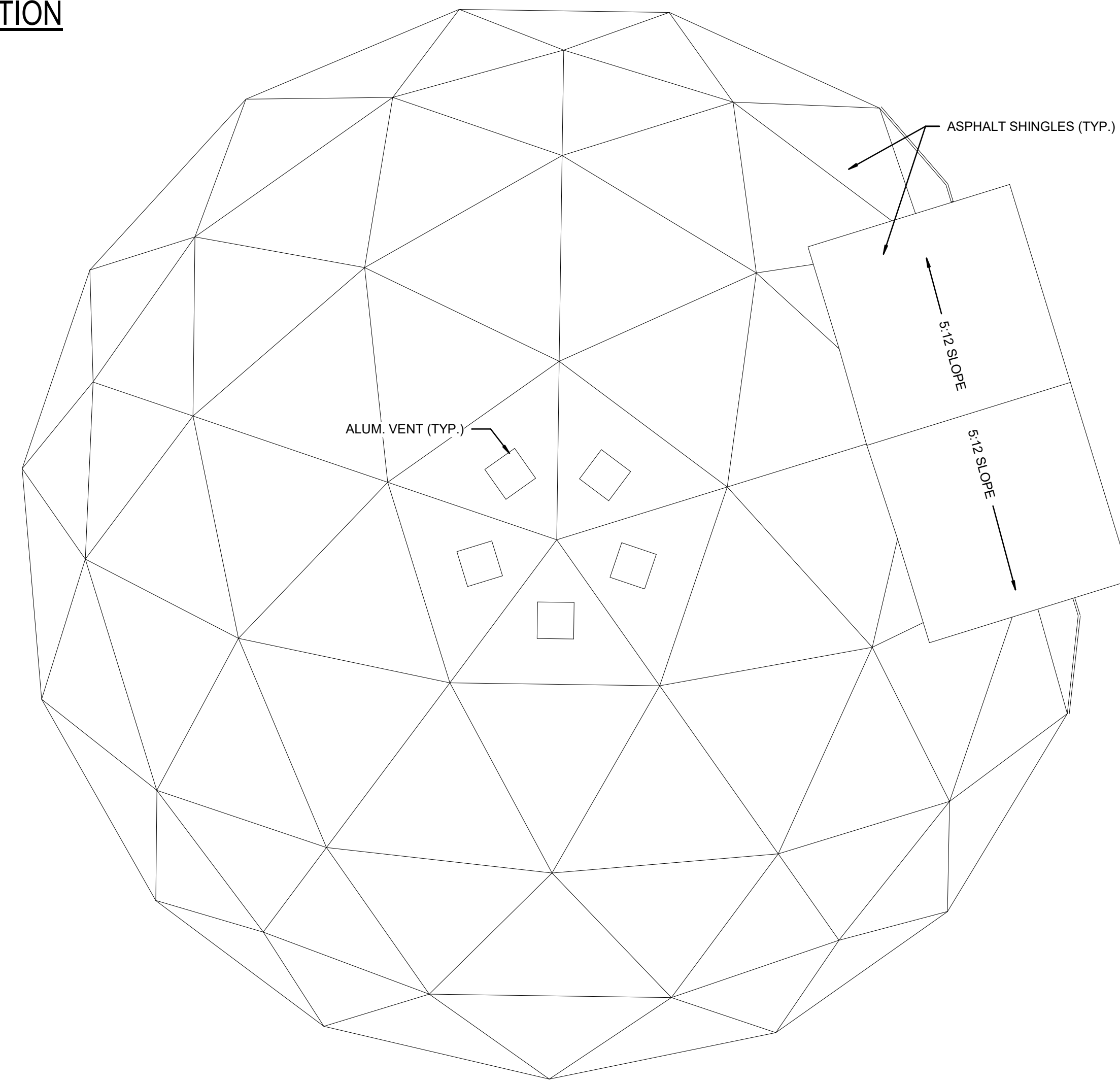
PROJECT NO.	39973-02
DISCIPLINE	CIVIL
SHEET NAME	C01
SHEET	OF
5	7



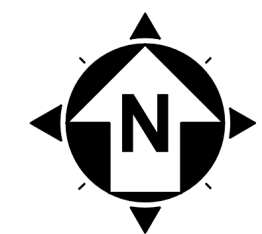
2 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



1 FOUNDATION/FLOOR PLAN
SCALE: 1/4" = 1'-0"



3 ROOF PLAN
SCALE: 1/4" = 1'-0"



7/7/2026 11:33:46 AM

verdantas
300 BUTTERMILK PIKE, SUITE 332
FORT MITCHELL, KY 41017
TEL: (502) 526-0500
WWW.VERDANTAS.COM

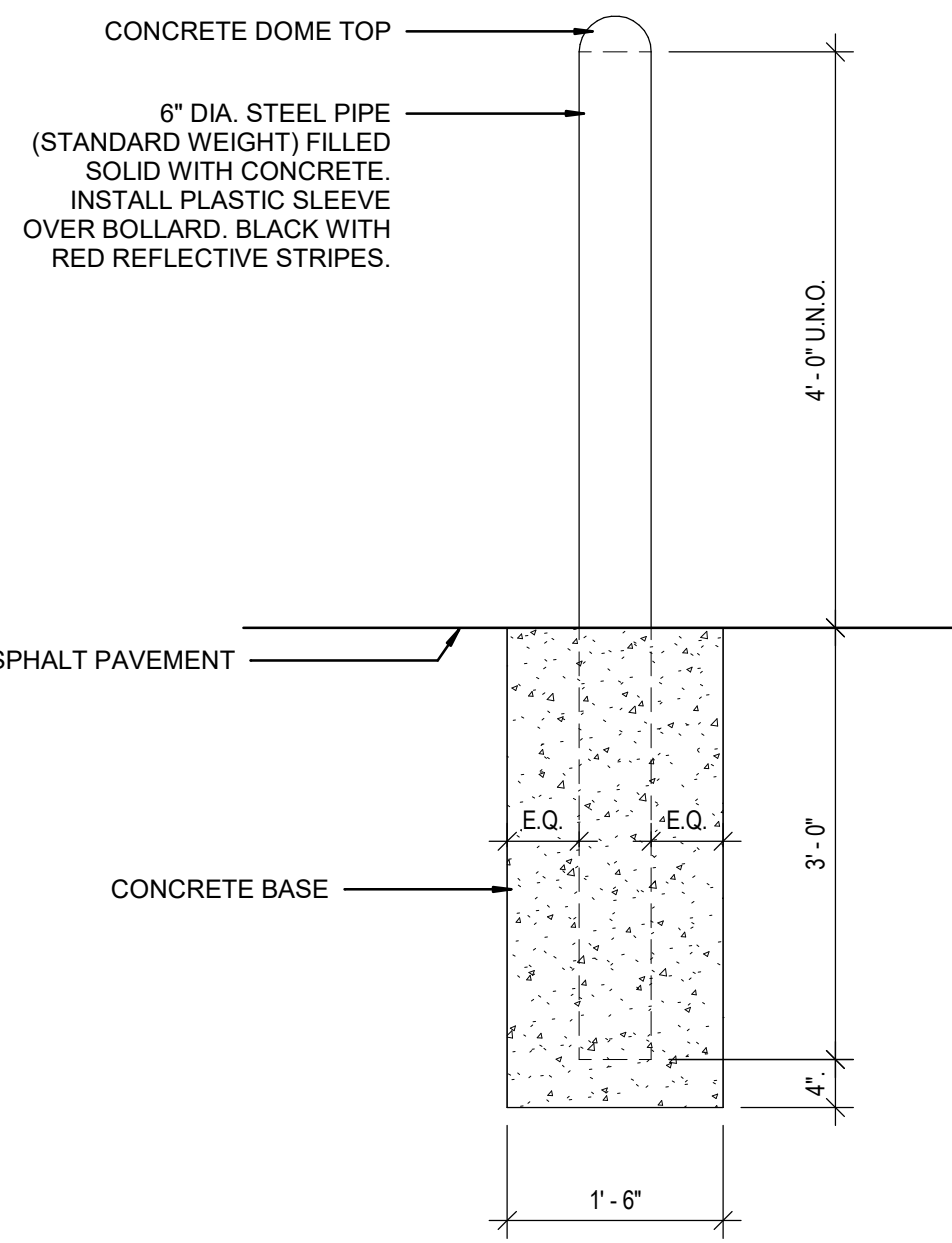
NO	REVISION	DATE

ISSUED FOR:	BIDDING	NO	
ISSUE DATE:	07/09/2026		
SCALE:	1/4" = 1'-0"		
DESIGNED BY:	BS		
DRAWN BY:	VMP		
CHECKED BY:	BS		

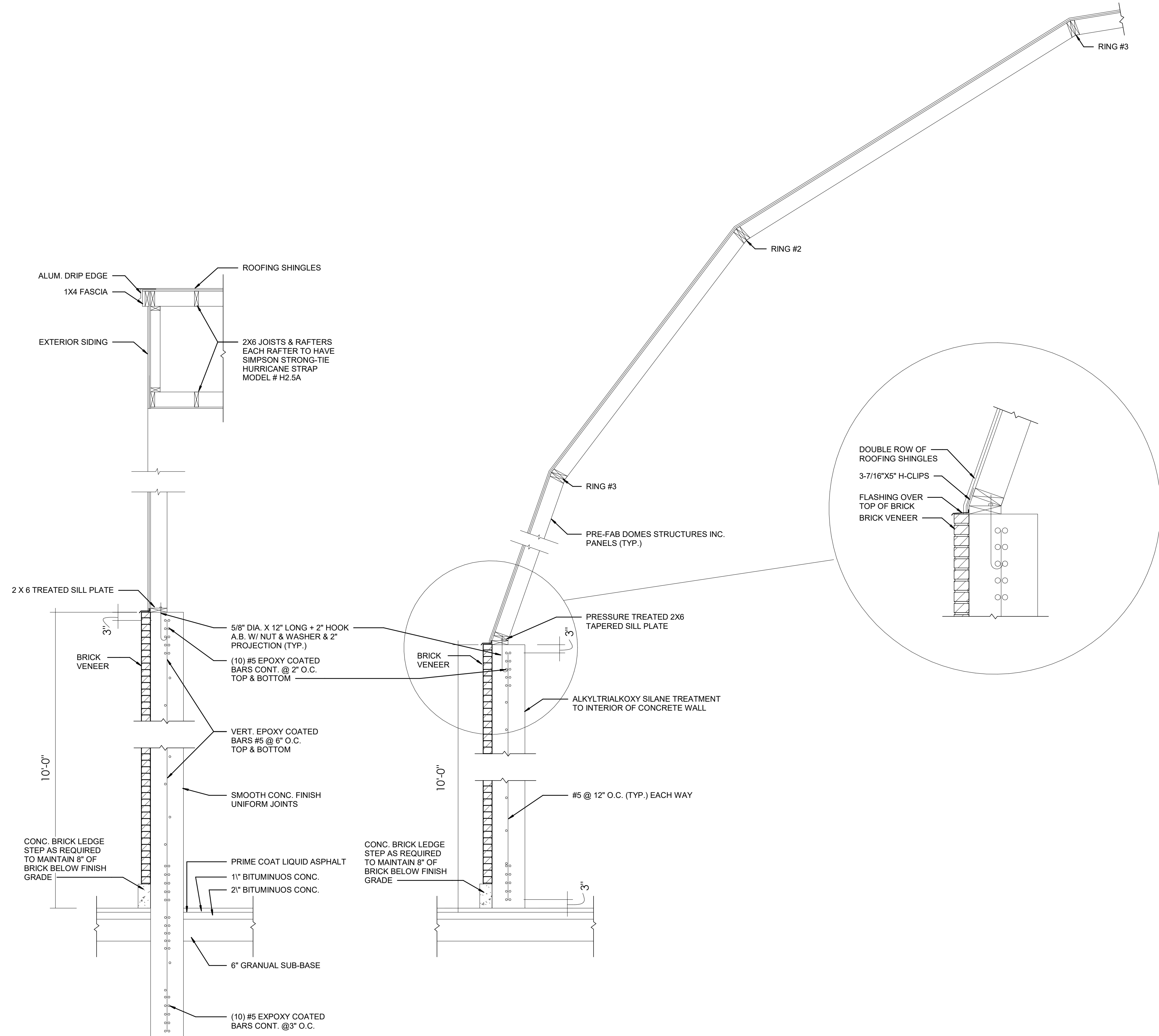
**FORT WRIGHT SALT STORAGE
BUILDING - PHASE II
CITY OF FORT WRIGHT
KENTON COUNTY, KY**

PLANS AND ELEVATION

PROJECT NO.	39973-02
DISCIPLINE	ARCHITECTURAL
SHEET NAME	A-1
SHEET	6
OF	7



1 BOLLARD DETAIL
SCALE: 3/4" = 1'-0"



2 SECTION
SCALE: 1/2" = 1'-0"

3 SECTION
SCALE: 1/2" = 1'-0"

7/7/2026 11:33:46 AM

NO	REVISION	DATE

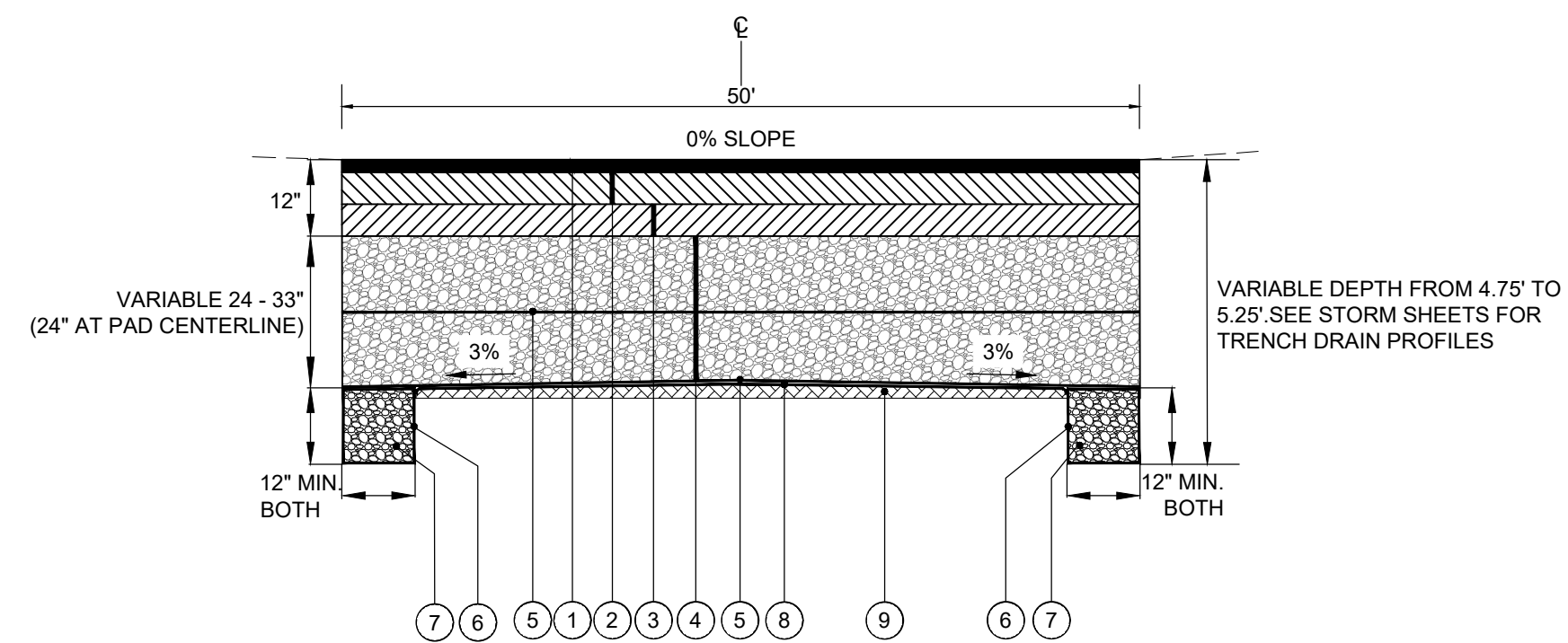
ISSUED FOR:	BIDDING	NO	REVISION	DATE

ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
07/09/2026	As Indicated	BS	VMP	BS

**FORT WRIGHT SALT STORAGE
BUILDING - PHASE II
CITY OF FORT WRIGHT
KENTON COUNTY, KY**

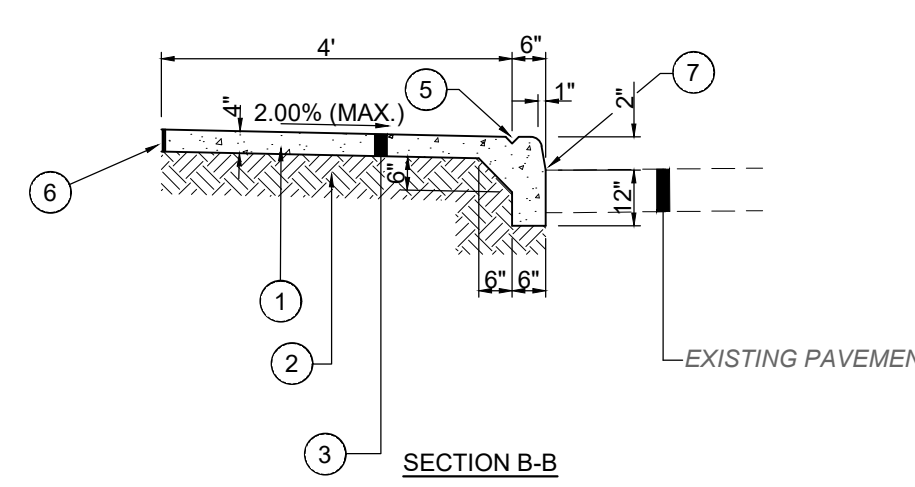
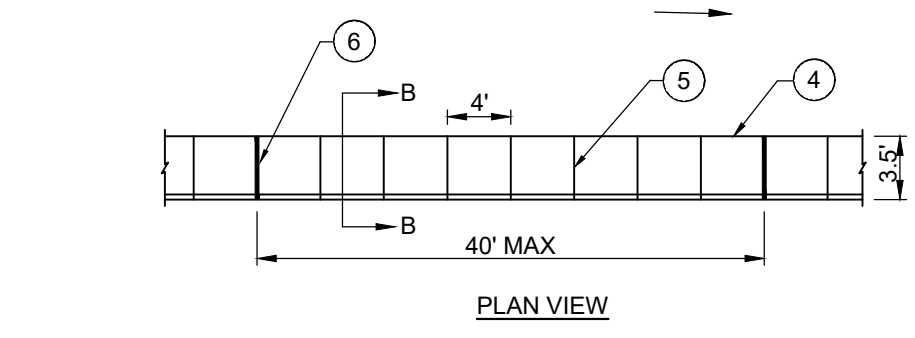
SECTIONS AND DETAILS

PROJECT NO. 39973-02	
DISCIPLINE ARCHITECTURAL	
SHEET NAME A-2	
SHEET 7	OF 7



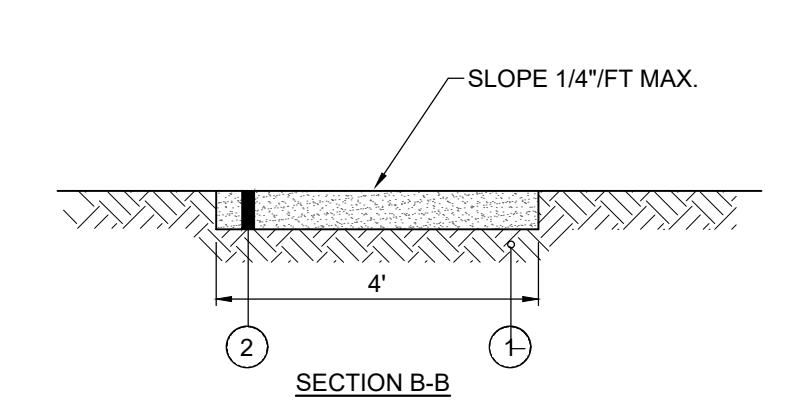
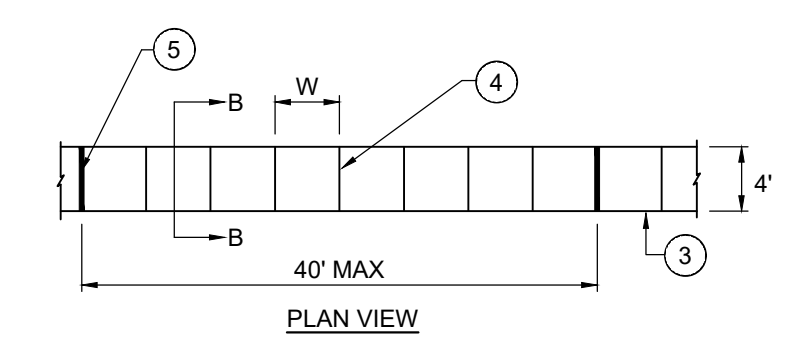
HEAVY DUTY ASPHALT PAVEMENT TYPICAL SECTION
N.T.S.

- 1 ITEM 402/403 - 2" ASPHALT CONCRETE SURFACE COURSE
- 2 ITEM 402/403 - 5" ASPHALT CONCRETE INTERMEDIATE COURSE
- 3 ITEM 402/403 - 5" ASPHALT CONCRETE BASE COURSE
- 4 ITEM 302 - 24 - 33" CRUSHED STONE BASE, (LESS THAN 7% FINES) COMPACTED TO 100% (ASTM D698).
- 5 ITEM SPL - TENSAR HX-165 GEOGRID OR APPROVED EQUAL PLACED AT BOTTOM AND MIDPOINT OF STONE BASE
- 6 ITEM SPL - MIRAFI 160N OR EQUIVALENT NONWOVEN GEOTEXTILE SEPARATION FABRIC, WRAPPED AROUND TRENCH DRAINS, LAPPED 12" ONTO ITSELF. (INCIDENTAL TO TRENCH DRAIN ITEM)
- 7 ITEM 302 - CLEAN NO. 57 CRUSHED STONE (LESS THAN 3% FINES), COMPACTED IN 6" TO 8" LIFTS TO 80% RELATIVE DENSITY (ASTM D4253, D4254) W/ A VIBRATORY COMPACTOR. (INCIDENTAL TO TRENCH DRAIN ITEM)
- 8 ITEM 214 - WOVEN TEXTILE, MIRAFI 600X OR EQUIVALENT. PLACED CONTINUOUSLY BETWEEN EDGES OF TRENCH DRAIN. ALL OVERLAPS TO BE 18" MIN.
- 9 ITEM 207 - SUBGRADE RESHAPING & COMPACTING. SUBGRADE SHALL BE TRIMMED AND ROLLED SMOOTH FOR DRAINAGE SO GEOTEXTILE CAN BE SPREAD SMOOTH, TAUT AND EVEN BEFORE STONE IS PLACED.



CONCRETE SIDEWALK W/ INTEGRAL CURB REPLACEMENT
N.T.S.

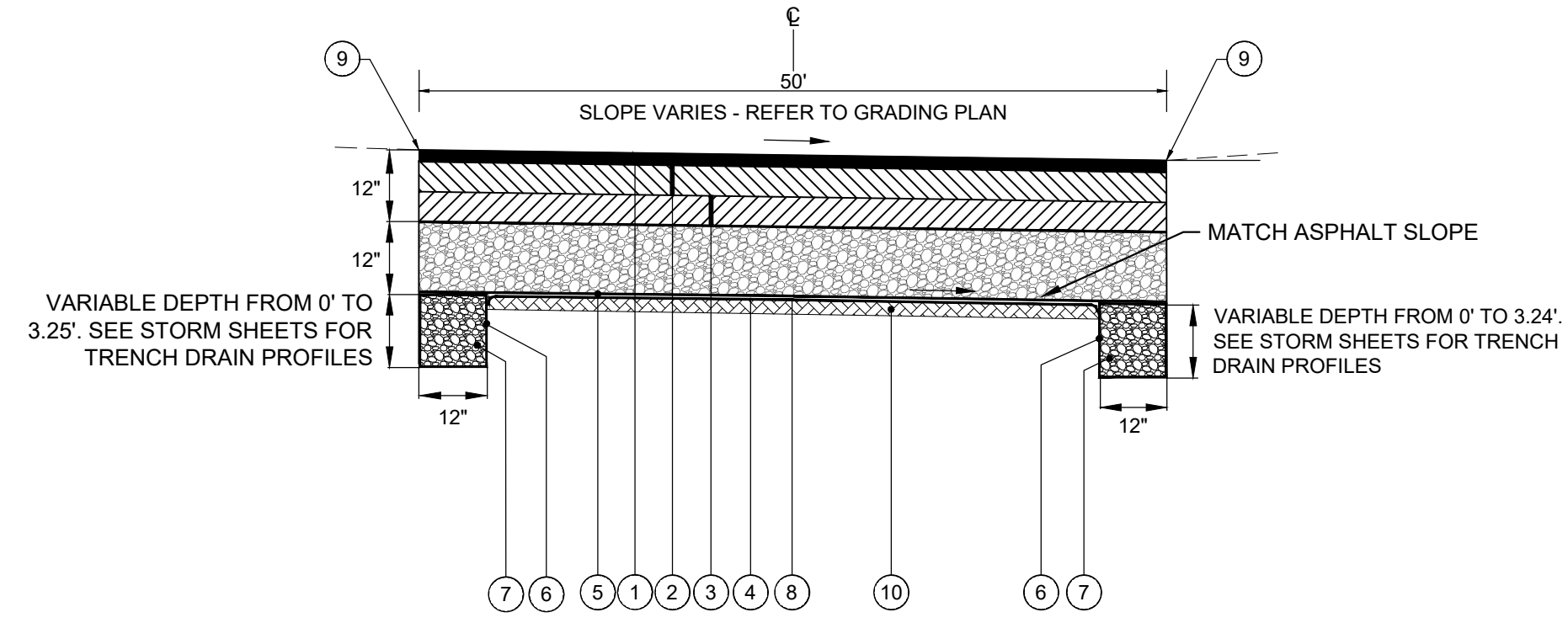
- 1 SAWCUT AND REMOVE EXISTING SIDEWALK
- 2 ITEM 207 - COMPACTED SUBGRADE (INCIDENTAL TO CONCRETE SIDEWALK)
- 3 ITEM SPL - 4" CONCRETE SIDEWALK WITH INTEGRAL CURB PER KENTON COUNTY SUBDIVISION REGULATIONS
- 4 TOOLED EDGE
- 5 TOOLED CONTRACTION JOINT
- 6 1/2" PREFORMED EXPANSION JOINT SPACED AS NOTED OR AT RIGID STRUCTURES
- 7 APPLY HOT ASPHALT SEALER WHERE ASPHALT MEETS CURB. INCIDENTAL TO SIDEWALK.



- 1 ITEM 207 - COMPACTED SUBGRADE (INCIDENTAL TO CONCRETE SIDEWALK)
- 2 ITEM SPL - 4" CONCRETE SIDEWALK PER KENTON COUNTY SUBDIVISION REGULATIONS
- 3 TOOLED EDGE
- 4 TOOLED CONTRACTION JOINT
- 5 1/2" PREFORMED EXPANSION JOINT

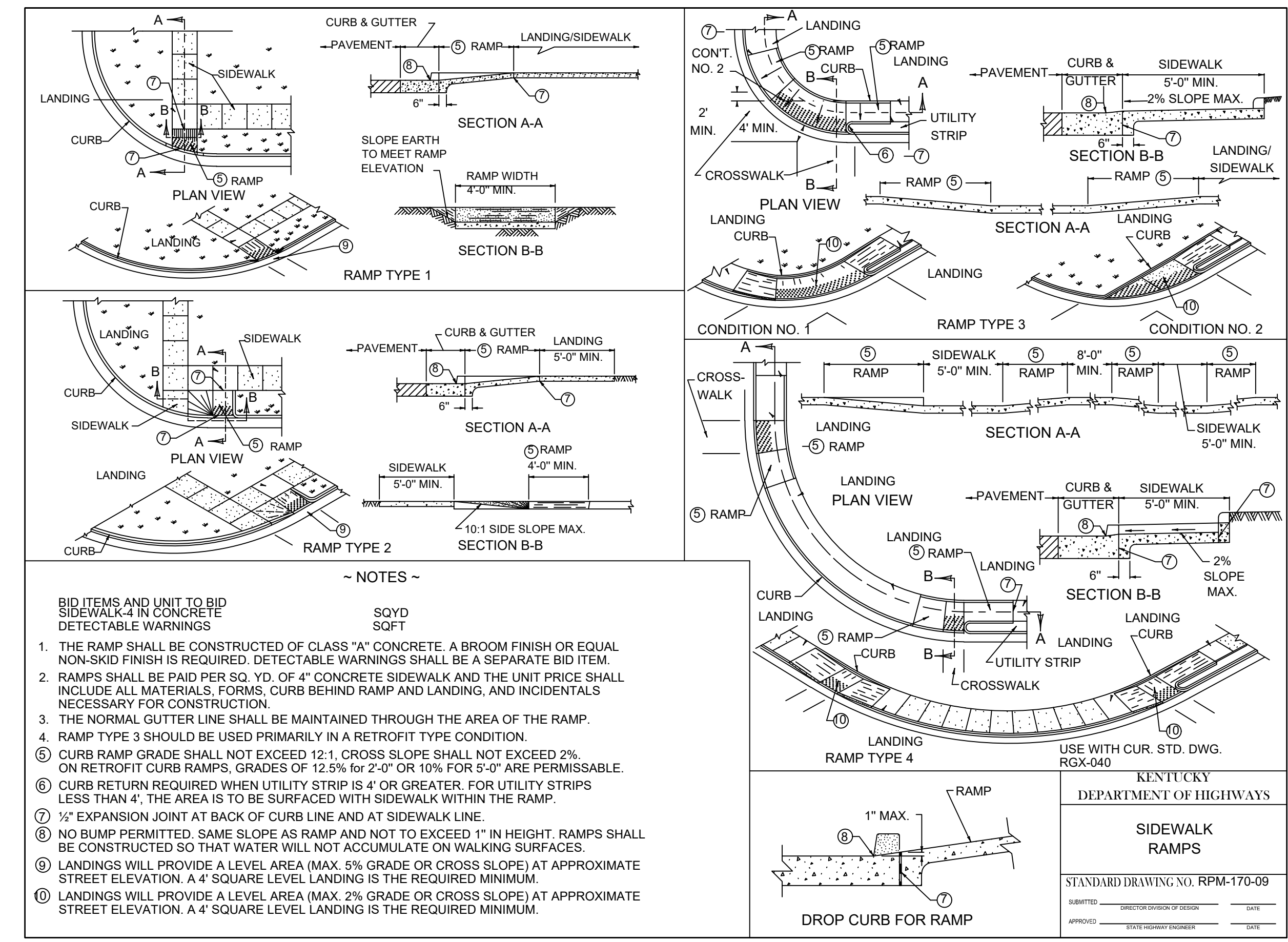
CONCRETE SIDEWALK DETAIL
N.T.S.

PHASE 1 DRAWINGS ARE BEING PROVIDED FOR REFERENCE ONLY SO BIDDERS AND CONTRACTORS ARE FAMILIAR WITH THE ANTICIPATED SITE CONDITIONS THAT WILL EXIST AT THE TIME THE SALT STORAGE BUILDING IS CONSTRUCTED



ASPHALT PAVEMENT APRON TYPICAL SECTION
N.T.S.

- 1 ITEM 402/403 - 2" ASPHALT CONCRETE SURFACE COURSE
- 2 ITEM 402/403 - 5" ASPHALT CONCRETE INTERMEDIATE COURSE
- 3 ITEM 402/403 - 5" ASPHALT CONCRETE BASE COURSE
- 4 ITEM 302 - 12" CRUSHED STONE BASE, (LESS THAN 7% FINES) COMPACTED TO 100% (ASTM D698).
- 5 ITEM SPL - TENSAR HX-165 GEOGRID OR APPROVED EQUAL PLACED AT BOTTOM OF STONE BASE
- 6 ITEM SPL - MIRAFI 160N OR EQUIVALENT NONWOVEN GEOTEXTILE SEPARATION FABRIC, WRAPPED AROUND TRENCH DRAINS, LAPPED 12" ONTO ITSELF. (INCIDENTAL TO TRENCH DRAIN ITEM)
- 7 ITEM 302 - CLEAN NO. 57 CRUSHED STONE (LESS THAN 3% FINES), COMPACTED IN 6" TO 8" LIFTS TO 80% RELATIVE DENSITY (ASTM D4253, D4254) W/ A VIBRATORY COMPACTOR. (INCIDENTAL TO TRENCH DRAIN ITEM)
- 8 ITEM 214 - WOVEN TEXTILE, MIRAFI 600X OR EQUIVALENT. PLACED CONTINUOUSLY BETWEEN EDGES OF TRENCH DRAIN. ALL OVERLAPS TO BE 18" MIN.
- 9 ITEM SPL - APPLY ASPHALT SEALER AT INTERFACE BETWEEN ASPHALT AND CONCRETE WHERE APPLICABLE (INCIDENTAL TO ITEM 402/403)
- 10 ITEM 207 - SUBGRADE RESHAPING & COMPACTING. SUBGRADE SHALL BE TRIMMED AND ROLLED SMOOTH FOR DRAINAGE SO GEOTEXTILE CAN BE SPREAD SMOOTH, TAUT AND EVEN BEFORE STONE IS PLACED.



- BID ITEMS AND UNIT TO BID**
- | ITEM | DESCRIPTION | UNIT |
|------|--------------------------------------|------|
| 1 | CONCRETE SIDEWALK WITH INTEGRAL CURB | SQYD |
| 2 | CONCRETE SIDEWALK WITH INTEGRAL CURB | SQFT |
1. THE RAMP SHALL BE CONSTRUCTED OF CLASS "A" CONCRETE. A BROOM FINISH OR EQUAL NON-SKID FINISH IS REQUIRED. DETECTABLE WARNINGS SHALL BE A SEPARATE BID ITEM.
 2. RAMP SHALL BE PAID PER SQ. YD. OF 4" CONCRETE SIDEWALK AND THE UNIT PRICE SHALL INCLUDE ALL MATERIALS, FORMS, CURB BEHIND RAMP AND LANDING, AND INCIDENTALS NECESSARY FOR CONSTRUCTION.
 3. THE NORMAL GUTTER LINE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
 4. RAMP TYPE 3 SHOULD BE USED PRIMARILY IN A RETROFIT TYPE CONDITION.
 5. CURB RAMP GRADE SHALL NOT EXCEED 12:1. CROSS SLOPE SHALL NOT EXCEED 2%. ON RETROFIT CURB RAMPS, GRADES OF 12.5% FOR 2'-0" OR 10% FOR 5'-0" ARE PERMISSIBLE.
 6. CURB RETURN REQUIRED WHEN UTILITY STRIP IS 4' OR GREATER. FOR UTILITY STRIPS LESS THAN 4', THE AREA IS TO BE SURFACED WITH SIDEWALK WITHIN THE RAMP.
 7. 1/2" EXPANSION JOINT AT BACK OF CURB LINE AND AT SIDEWALK LINE.
 8. NO BUMP PERMITTED. SAME SLOPE AS RAMP AND NOT TO EXCEED 1" IN HEIGHT. RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.
 9. LANDINGS WILL PROVIDE A LEVEL AREA (MAX 5% GRADE OR CROSS SLOPE) AT APPROXIMATE STREET ELEVATION. A 4' SQUARE LEVEL LANDING IS THE REQUIRED MINIMUM.
 10. LANDINGS WILL PROVIDE A LEVEL AREA (MAX 2% GRADE OR CROSS SLOPE) AT APPROXIMATE STREET ELEVATION. A 4' SQUARE LEVEL LANDING IS THE REQUIRED MINIMUM.

KENTUCKY
DEPARTMENT OF HIGHWAYS
SIDWALK
RAMPS
STANDARD DRAWING NO. RPM-170-09
SUBMITTED: _____ DATE: _____
APPROVED: _____ DATE: _____

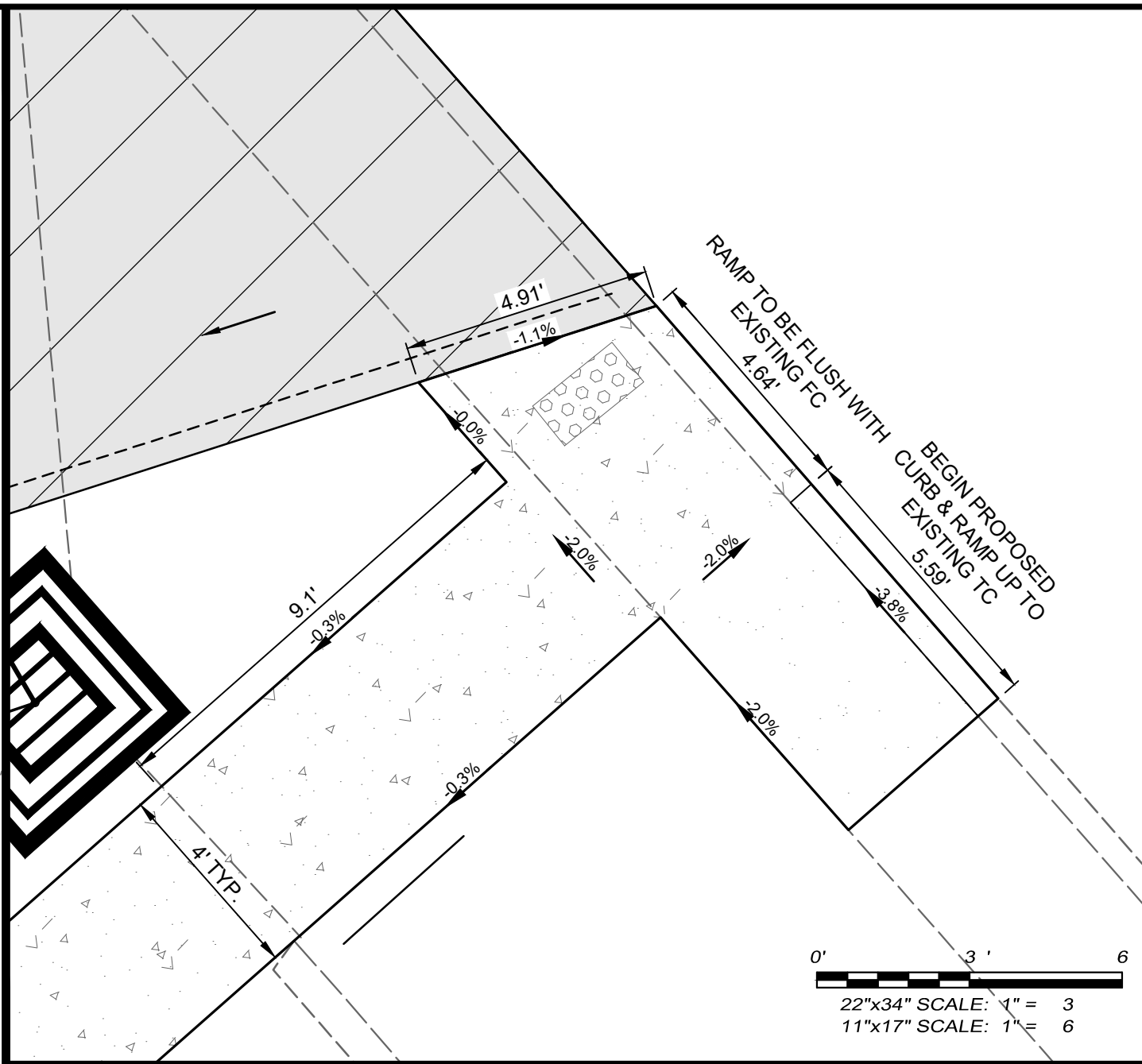
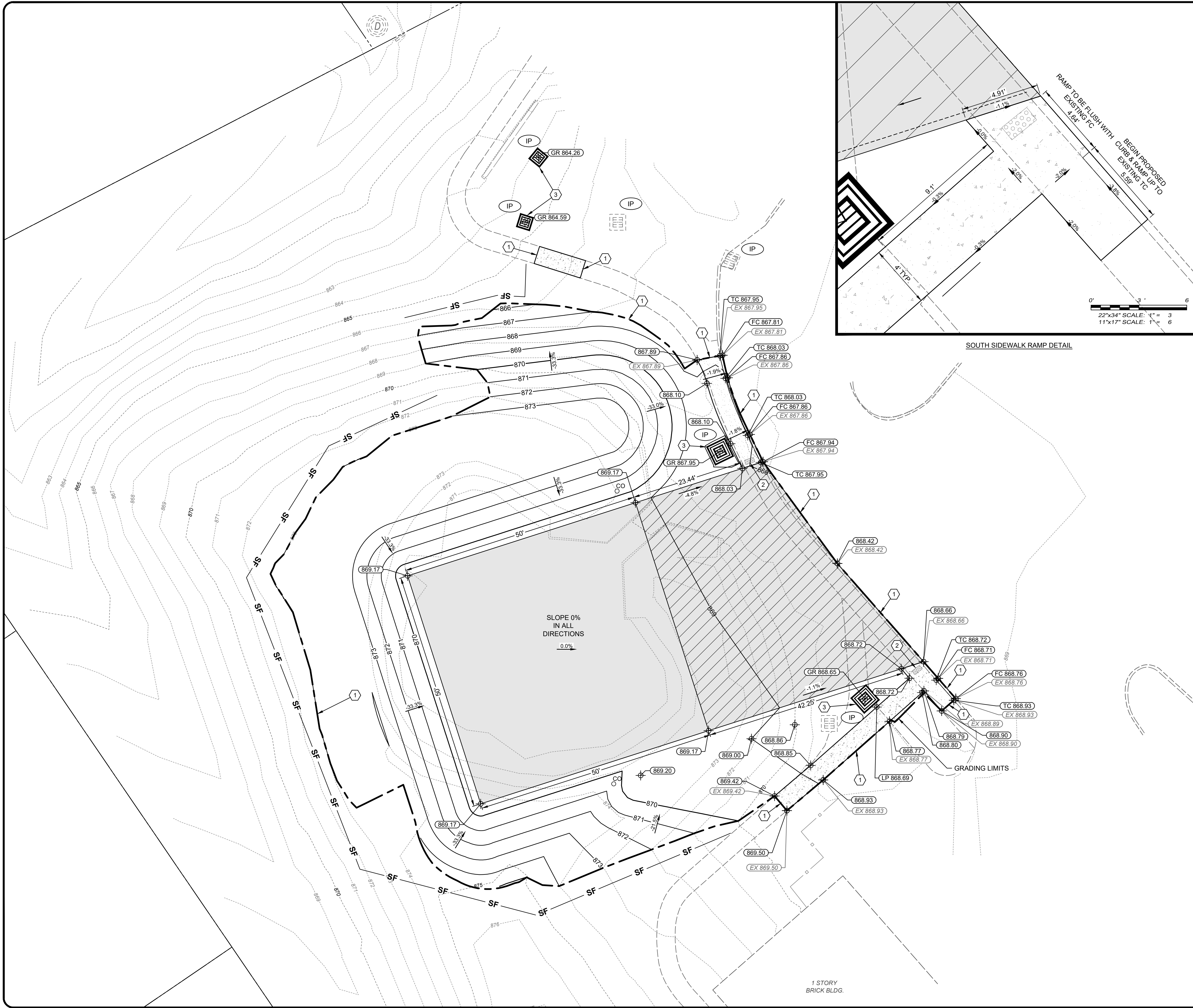
NO.	REVISION	DATE

ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	TPEL	TPEL	MHEL
BIDDING	05/14/2026					

**FORT WRIGHT SALT STORAGE
BUILDING PHASE 1 - SITE PREP**
CITY OF FORT WRIGHT
KENTON COUNTY, KY

CONSTRUCTION DETAILS

PROJECT NO.	
39973-01	
DISCIPLINE	
CIVIL	
SHEET NAME	
DET1	
SHEET	OF
REF	



CONSTRUCTION NOTES

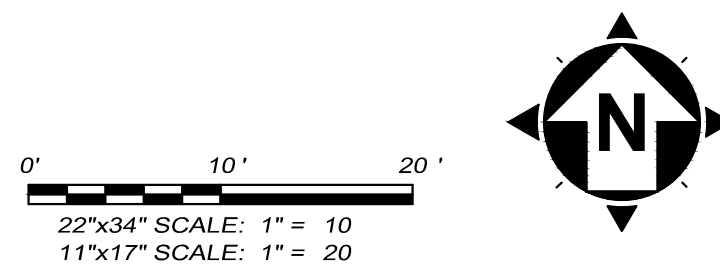
- 1 MATCH EXISTING GRADE
- 2 INSTALL PROPOSED ADA RAMP WITH DETECTABLE WARNING - SEE DETAIL SHEET
- 3 INSTALL PROPOSED CATCH BASIN - SEE DETAIL AND STORM SHEETS

HATCH LEGEND

- HEAVY DUTY ASPHALT PAVEMENT - SEE TYPICAL SECTIONS
- ASPHALT PAVEMENT APRON - SEE TYPICAL SECTIONS
- 4" CONCRETE WALK - SEE DETAIL SHEET
- 4" CONCRETE WALK WITH INTEGRAL CURB - SEE DETAIL SHEET

GRADING LEGEND

- EXISTING SPOT ELEVATION EX 232.46
- PROPOSED SPOT ELEVATION 232.60
- PROPOSED SPOT ELEVATION AT TOP/BACK OF CURB TC 232.60
- PROPOSED SPOT ELEVATION AT FACE/BOTTOM OF CURB FC 232.60
- PROPOSED SPOT ELEVATION AT HIGH POINT HP 232.60
- PROPOSED SPOT ELEVATION AT LOW POINT LP 232.60
- PROPOSED SPOT ELEVATION AT STRUCTURE GRATE GR 232.60
- PROPOSED GRADE LABEL 10.8%
- GRADING LIMITS



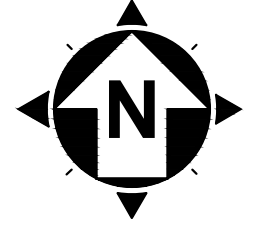
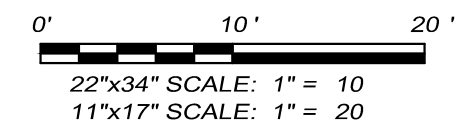
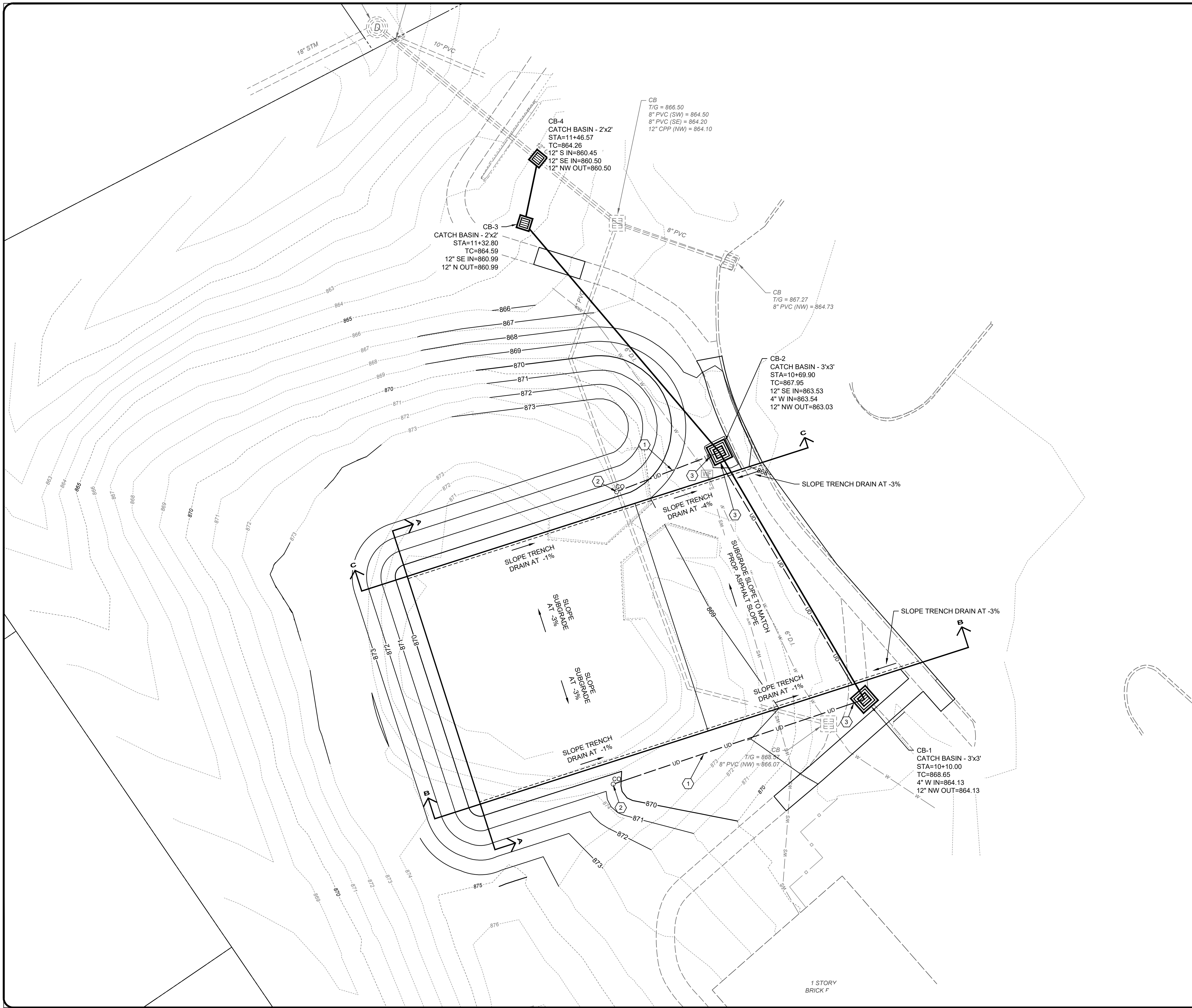
ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
BIDDING	05/14/2026		TPEL	TPEL	MHEL

**FORT WRIGHT SALT STORAGE
 BUILDING PHASE 1 - SITE PREP
 CITY OF FORT WRIGHT
 KENTON COUNTY, KY**

SITE & GRADING PLAN

PROJECT NO.	39973-01
DISCIPLINE	CIVIL
SHEET NAME	C02
SHEET	OF
REF	

PHASE 1 DRAWINGS ARE BEING PROVIDED FOR REFERENCE ONLY SO BIDDERS AND CONTRACTORS ARE FAMILIAR WITH THE ANTICIPATED SITE CONDITIONS THAT WILL EXIST AT THE TIME THE SALT STORAGE BUILDING IS CONSTRUCTED



CONSTRUCTION NOTES

- 1 INSTALL RIGID 4\"/>
 - 2 INSTALL 4\"/>
 - 3 CONNECT PROPOSED UNDERDRAIN TO CATCH BASIN, INCIDENTAL TO UNDERDRAIN ITEM.
- PROPOSED TRENCH DRAIN - SEE TYPICAL SECTIONS

verdantas
 300 BUTTERMILK PIKE, SUITE 332
 FORT MITCHELL, KENTUCKY 41017
 TEL: (609) 525-0644
 WWW.VERDANTAS.COM

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	05/14/2026			
SCALE:				
DESIGNED BY:	TPEL			
DRAWN BY:	TPEL			
CHECKED BY:	MHEL			

**FORT WRIGHT SALT STORAGE
 BUILDING PHASE 1 - SITE PREP
 CITY OF FORT WRIGHT
 KENTON COUNTY, KY**

STORM SEWER PLAN

PROJECT NO.	39973-01
DISCIPLINE	CIVIL
SHEET NAME	C03
SHEET	OF
REF	

PHASE 1 DRAWINGS ARE BEING PROVIDED FOR REFERENCE ONLY SO BIDDERS AND CONTRACTORS ARE FAMILIAR WITH THE ANTICIPATED SITE CONDITIONS THAT WILL EXIST AT THE TIME THE SALT STORAGE BUILDING IS CONSTRUCTED