

LEGEND

- PROPOSED BUILDING
- FUTURE PHASE
- PROPOSED FENCE
- PROPOSED SIDEWALK

NOTES:

- BOUNDARY AND LEASED AREA LEGAL DESCRIPTION PROVIDED BY OWNER. PART OF WAUKESHA COUNTY AIRPORT. FIELD WORK TO CONFIRM IS REQUIRED.**
- CONTOURS SHOWN ARE DIGITIZED FROM WAUKESHA COUNTY GIS. FIELD TOPOGRAPHY IS REQUIRED**
- PROPOSED DRAINAGE PATTERNS TO MATCH EXISTING GRADES. ASSUMED DITCH CAPACITY ADEQUATE.**
- UTILITIES SHOWN ARE APPROXIMATE FROM DATA PROVIDED. CONFIRMATION IS REQUIRED.**

UTILITY NOTES:

1. LOCATION OF EXISTING SEWER AND WATER MAIN IS ESTIMATED AND DETAILED AS-BUILT INFORMATION WAS NOT AVAILABLE AT TIME OF DESIGN. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS AND COORDINATING WITH ENGINEER AND TOWN WITH ANY CHANGES REQUIRED.
2. SANITARY DISTRICT HAD NO RECORD OF STUBS OF UTILITIES TO PROPERTY LINES. CONTRACTOR TO FIELD VERIFY IF ANY EXIST PRIOR TO CUTTING ROAD
3. ASSUMED EXISTING WATER MAIN DEPTH 6.5 FEET. FIELD VERIFY
4. ASSUME EXISTING SANITARY SEWER MAIN DEPTH 8 FEET. FIELD VERIFY
5. UTILIZE 10 GAUGE COPPERHEAD COPPERCLAD TRACER WIRE OR EQUAL.
6. TRACER WIRE SPLICE KITS SHALL BE COPPERHEAD 3WB-01 OR EQUAL
7. WATER SERVICE SHALL BE 1" COPPER, UNLESS COORDINATED WITH BUILDING PLUMBING PLANS OTHERWISE
8. SEE DETAIL FOR ALL OTHER WATER SPECIFICATIONS
9. SEWER LATERAL SHALL BE 4" SCH.40 PVC UNLESS COORDINATED WITH BUILDING PLUMBING PLANS OTHERWISE.
10. SEE DETAIL FOR ALL OTHER SEWER SPECIFICATIONS.
11. IN SERVICE CROSSINGS, WATER SERVICE MUST BE INSTALLED A MINIMUM OF 18 INCHES BELOW SANITARY SEWER OR 12 INCHES ABOVE THE TOP OF SANITARY SEWER, MEASURED FROM OUTSIDE OF PIPE FOR A HORIZONTAL DISTANCE OF 5 FEET EACH SIDE OF CROSSING. ALL MINIMUM COVER DEPTHS MUST BE MAINTAINED.
12. IF MINIMUM COVER DEPTH IS NOT PRACTICABLE, COORDINATE WITH ENGINEER FOR INSULATION REQUIREMENTS.

RESTORATION NOTES

1. MINIMUM 4" TOPSOIL REQUIRED IN ALL LAWN AREAS
2. UTILIZE WISDOT SEED MIXTURE No 40 OR AS RECOMMENDED BY LANDSCAPER PER LOCAL SOIL TEST.
3. UTILIZE WISDOT TYPE A FERTILIZER.
4. USE CLASS 1, URBAN, TYPE A ON ALL DISTURBED AREAS UNLESS SPECIFIED OTHERWISE.
5. UTILIZE TYPE B MATTING OF SAME CLASS 1 ALONG CENTERLINE OF SWALE AND UP MINIMUM 2FT VERTICAL OF SIDE SLOPES.
6. PROPERLY ANCHORED MULCH REQUIRED IN ALL AREA NOT STABILIZED WITH EROSION MATTING.
7. FOLLOW ALL EROSION CONTROL SEQUENCING, TRACKING PAD, SILT FENCE, DUST CONTROL, SEEDING, AND MATTING.



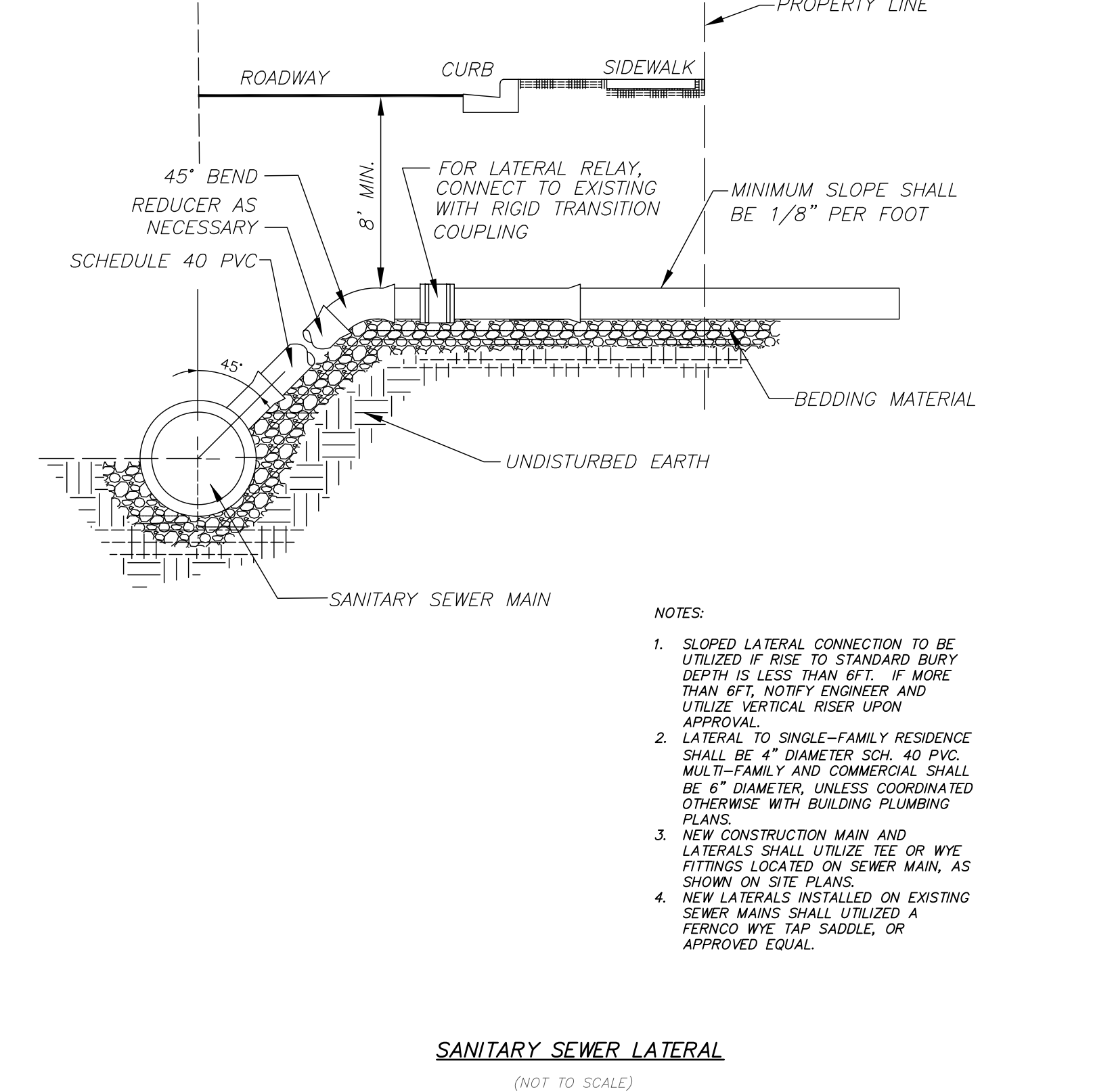
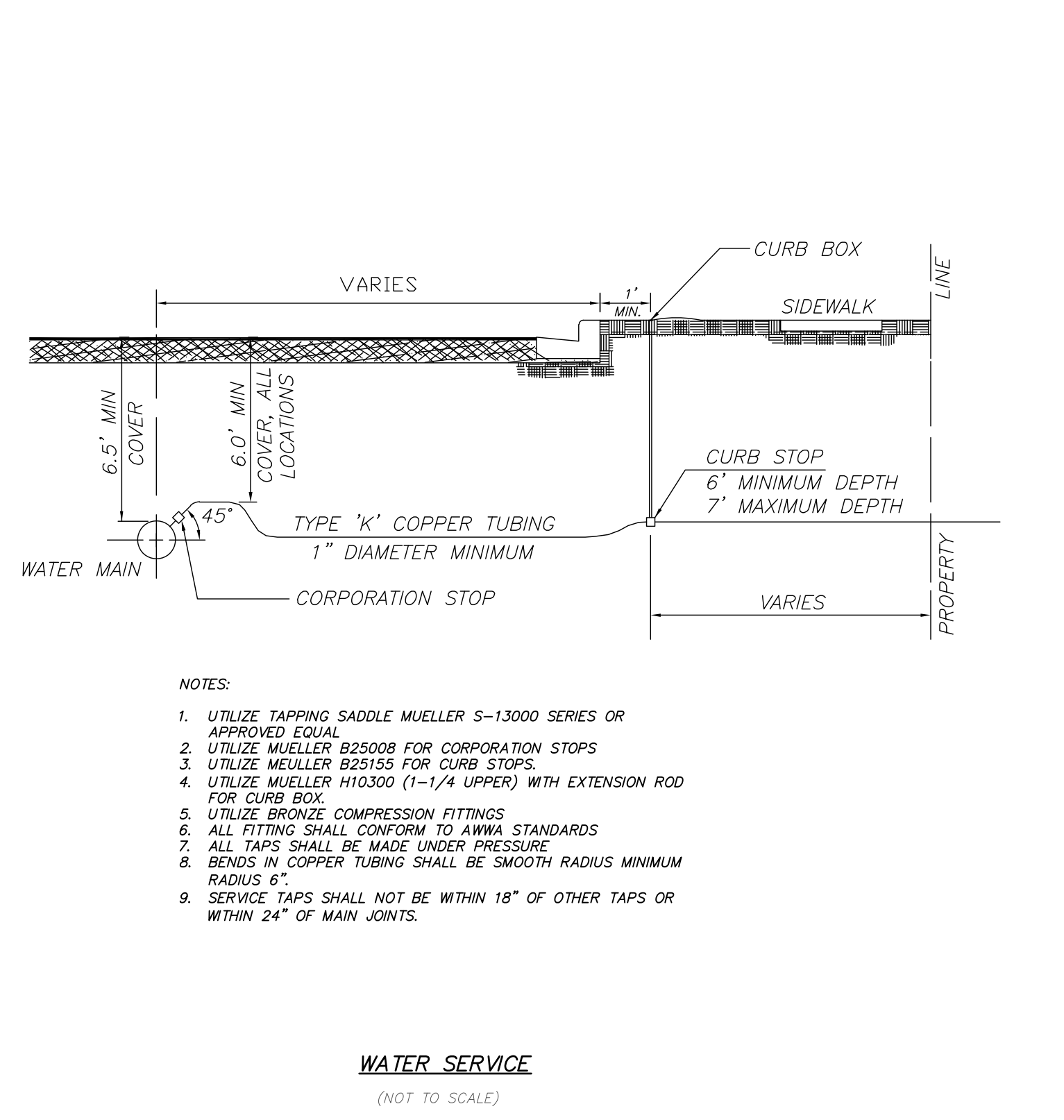
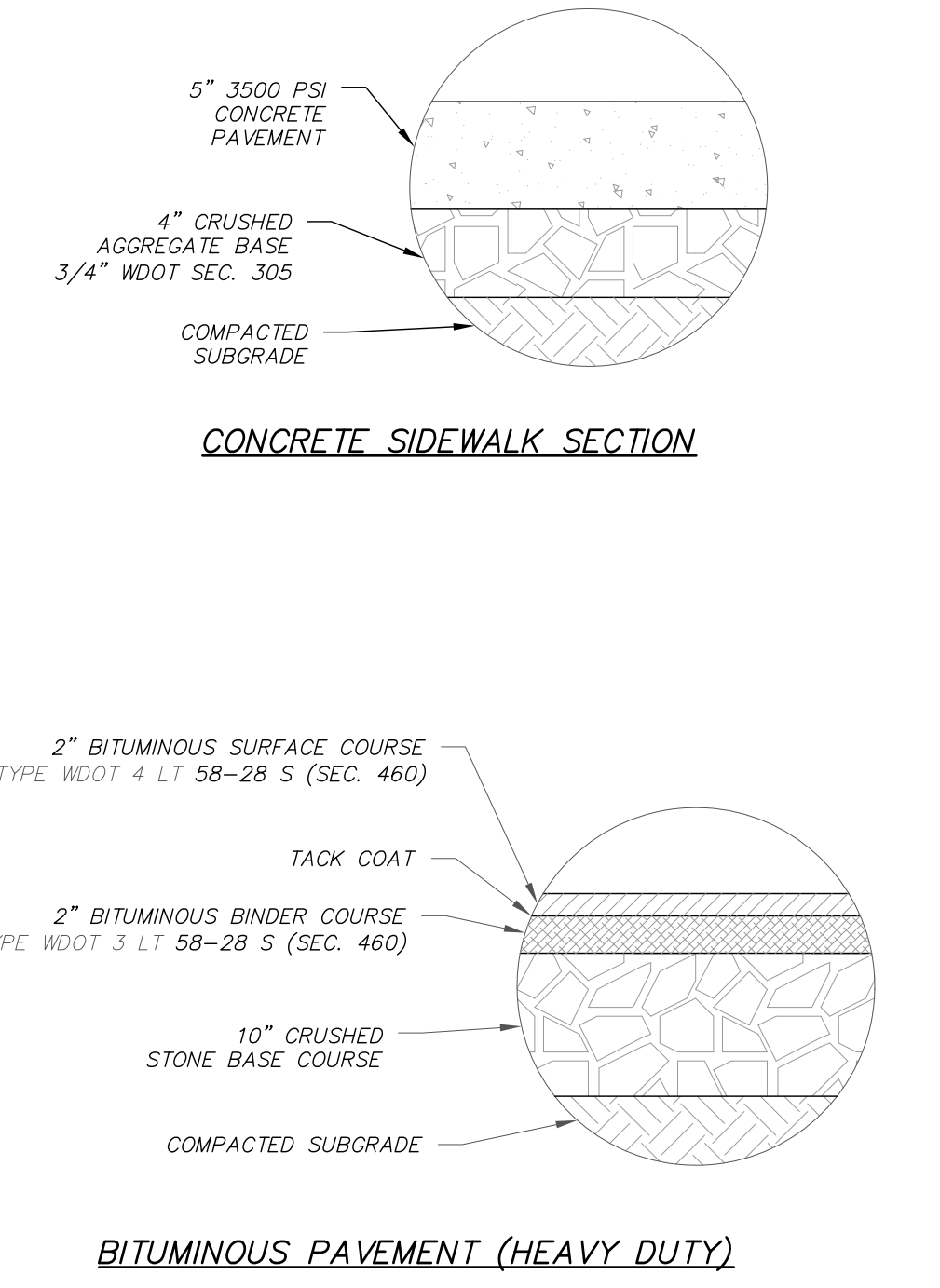
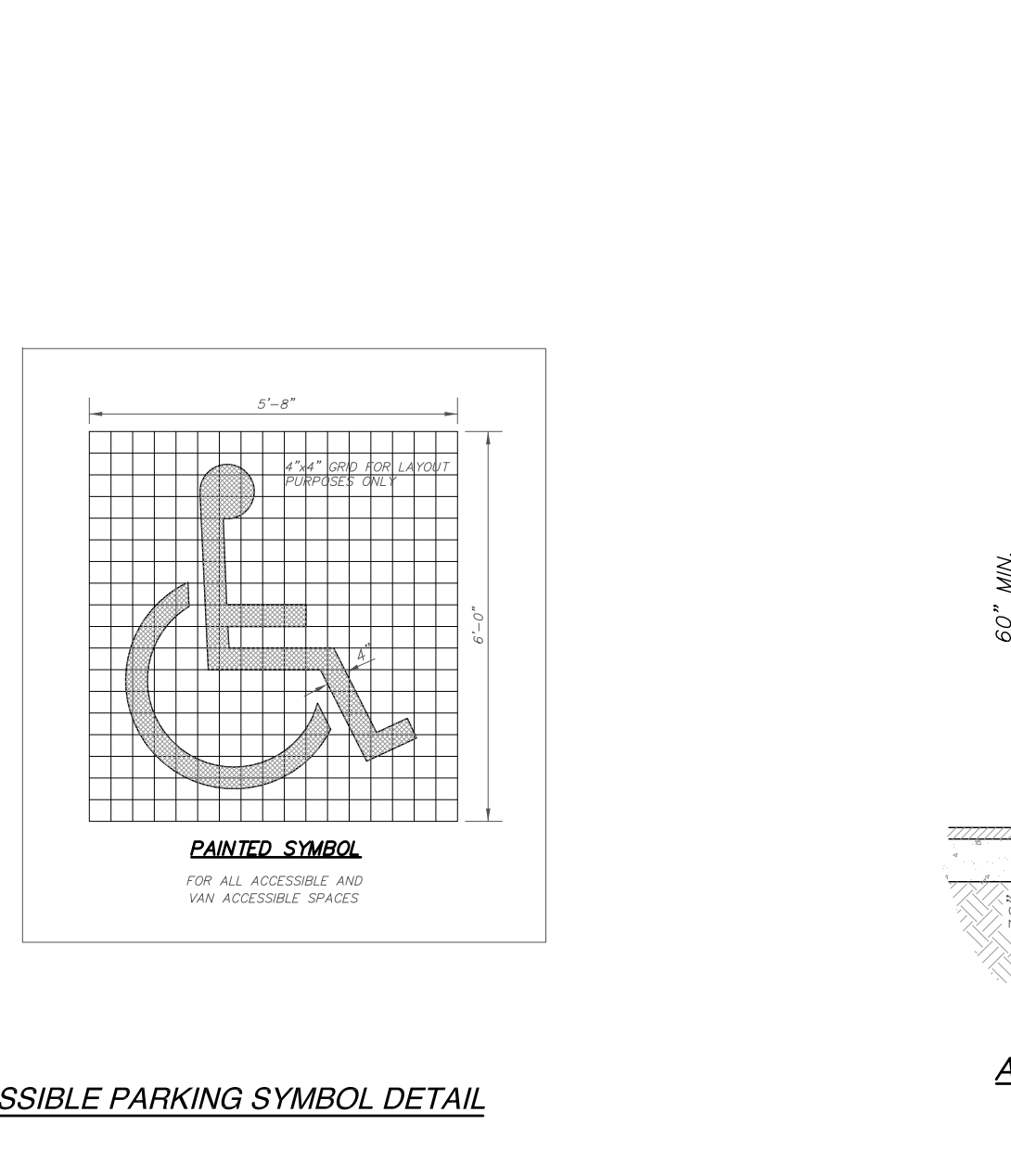
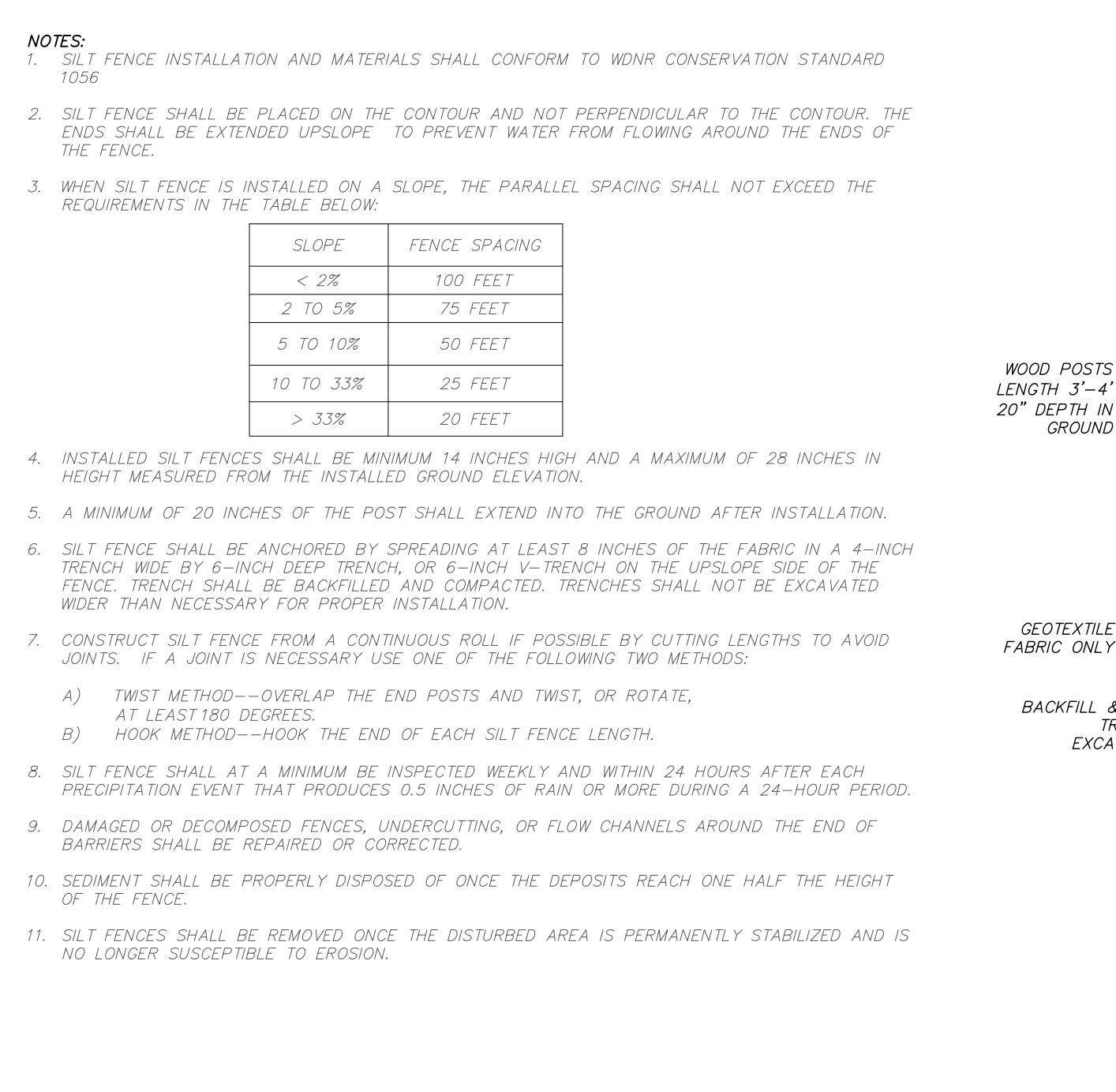
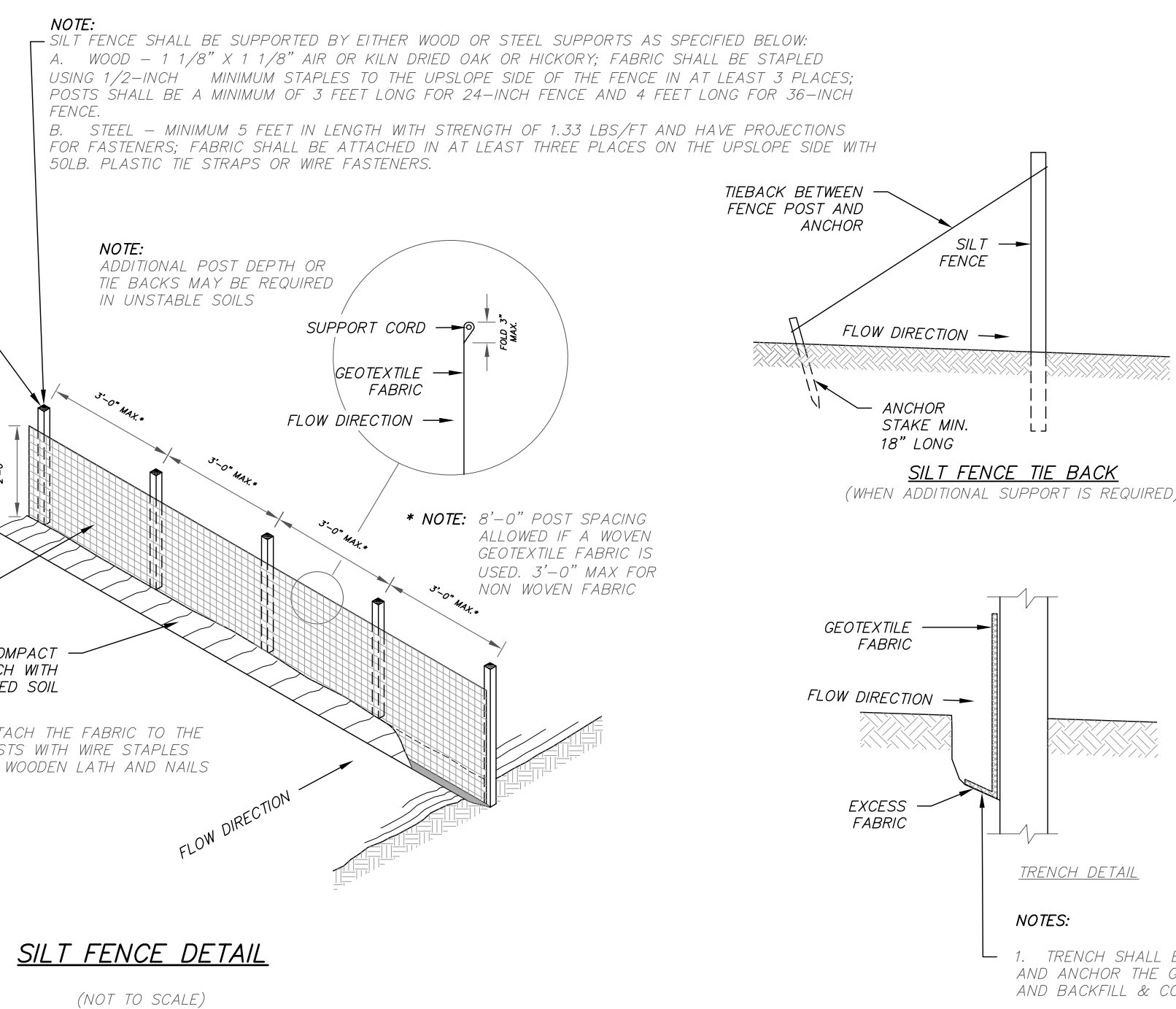
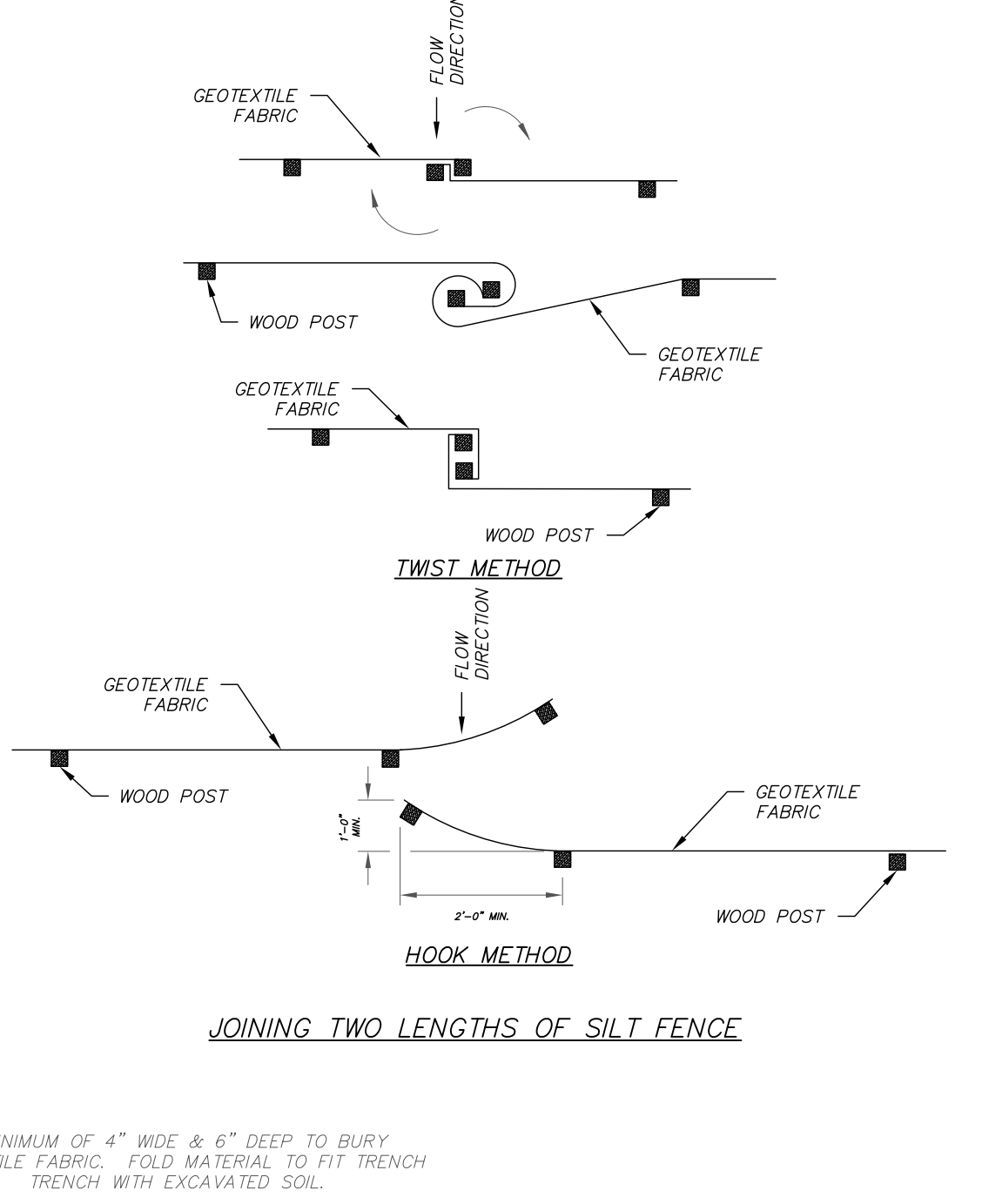
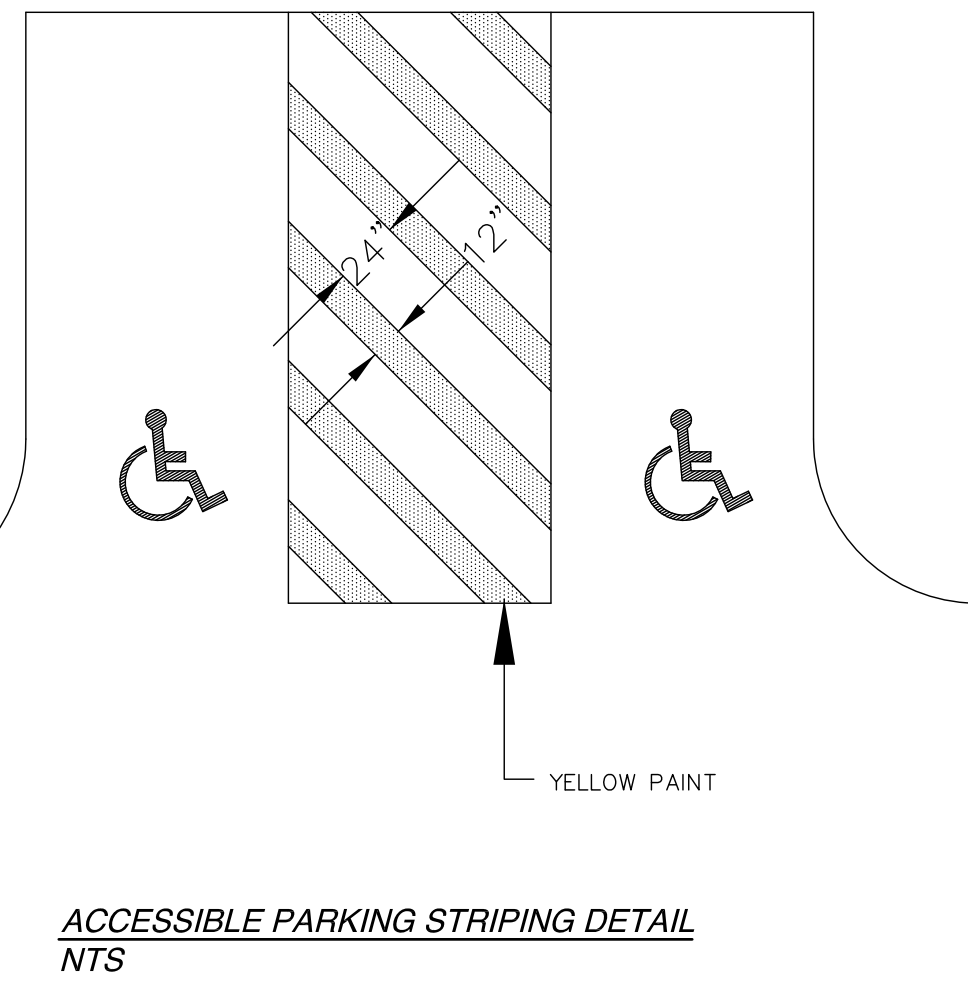
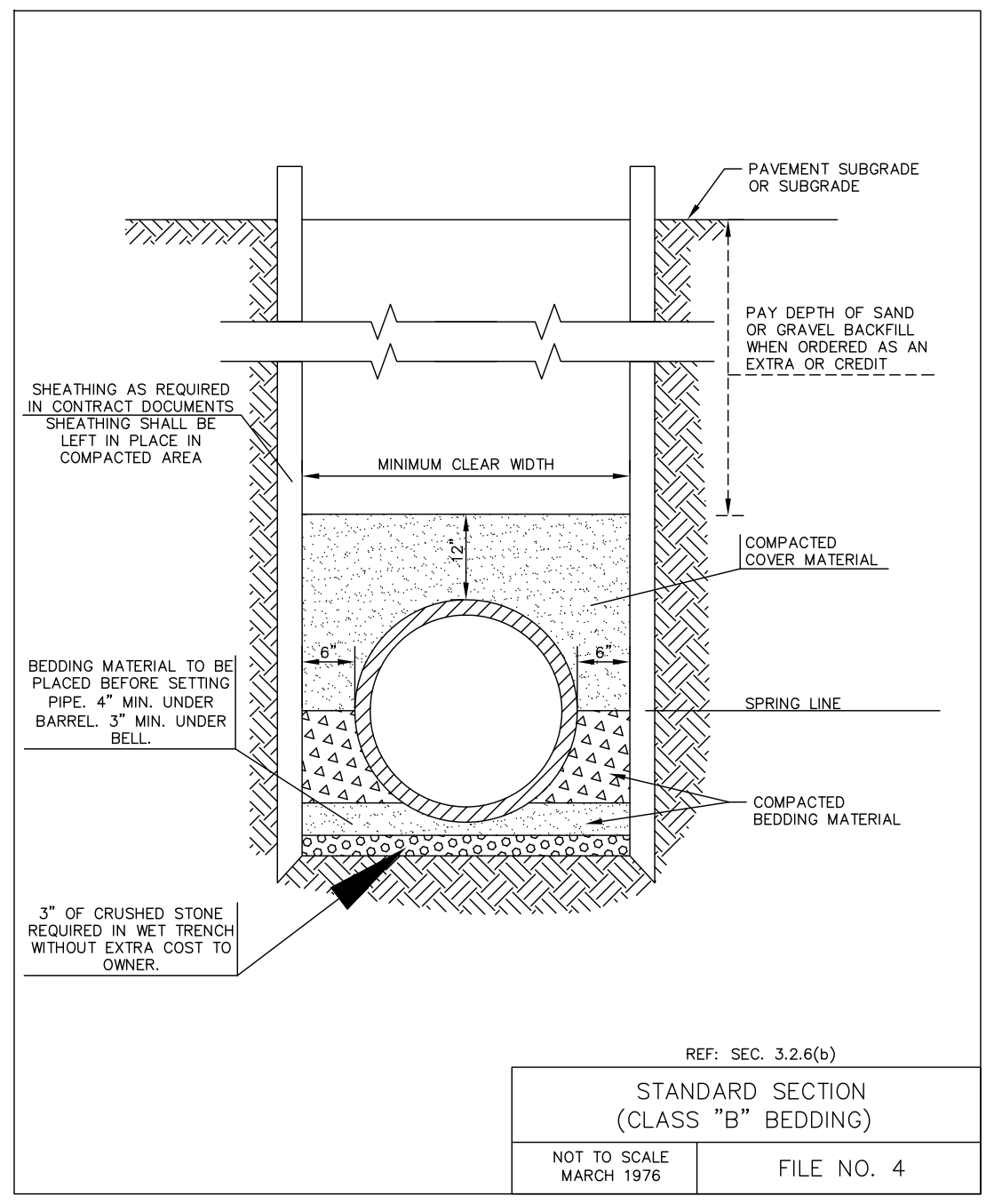
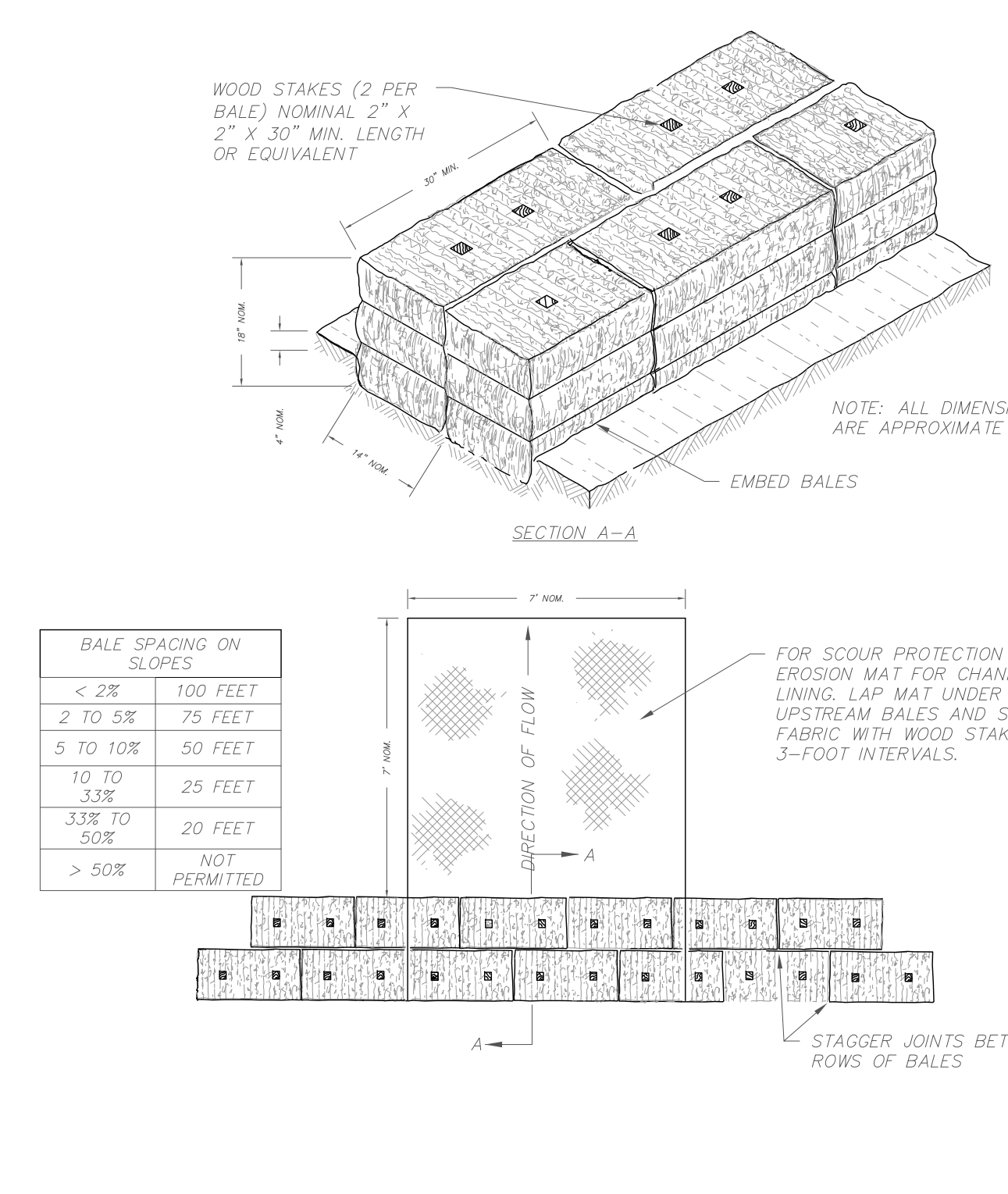
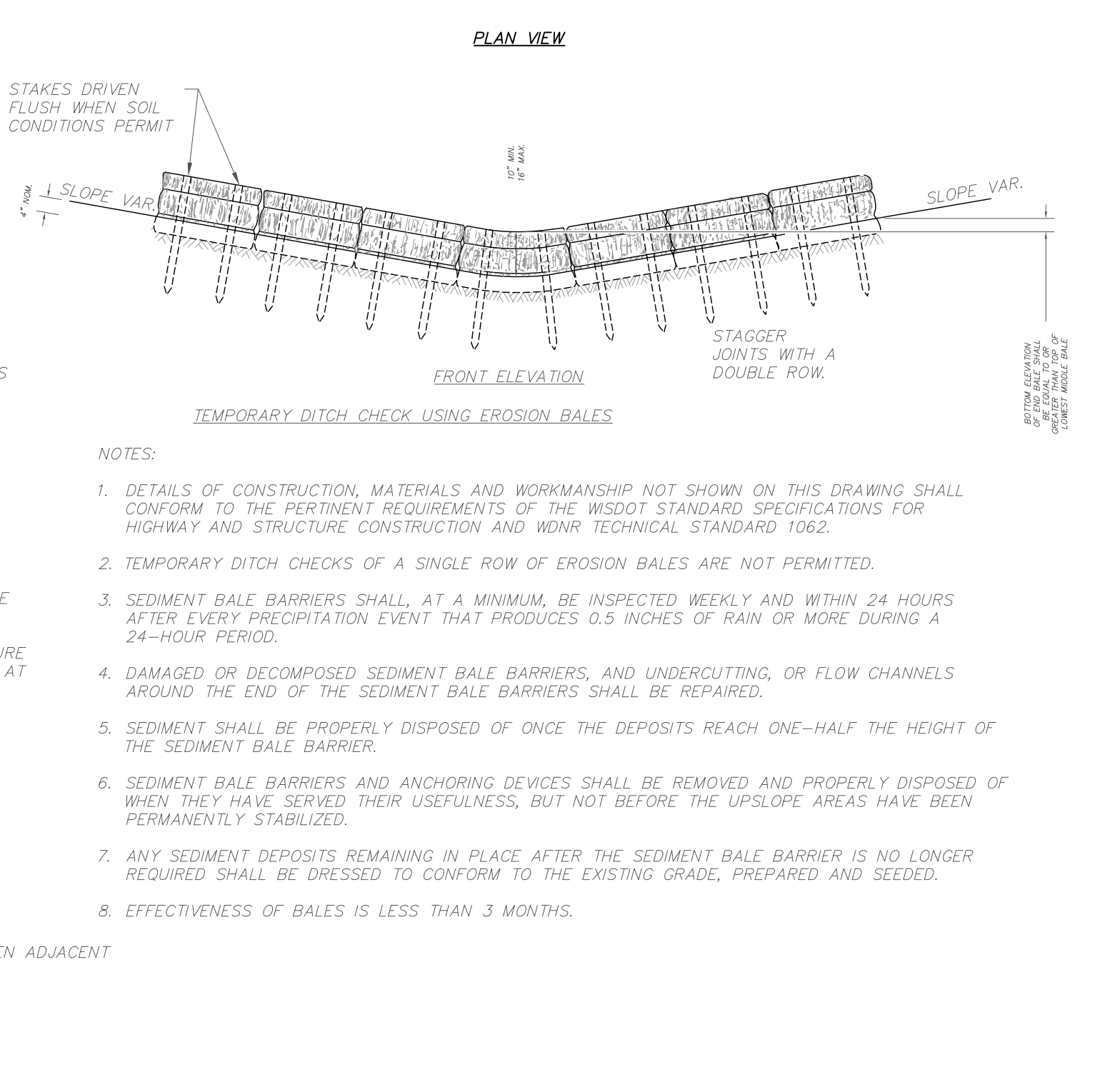
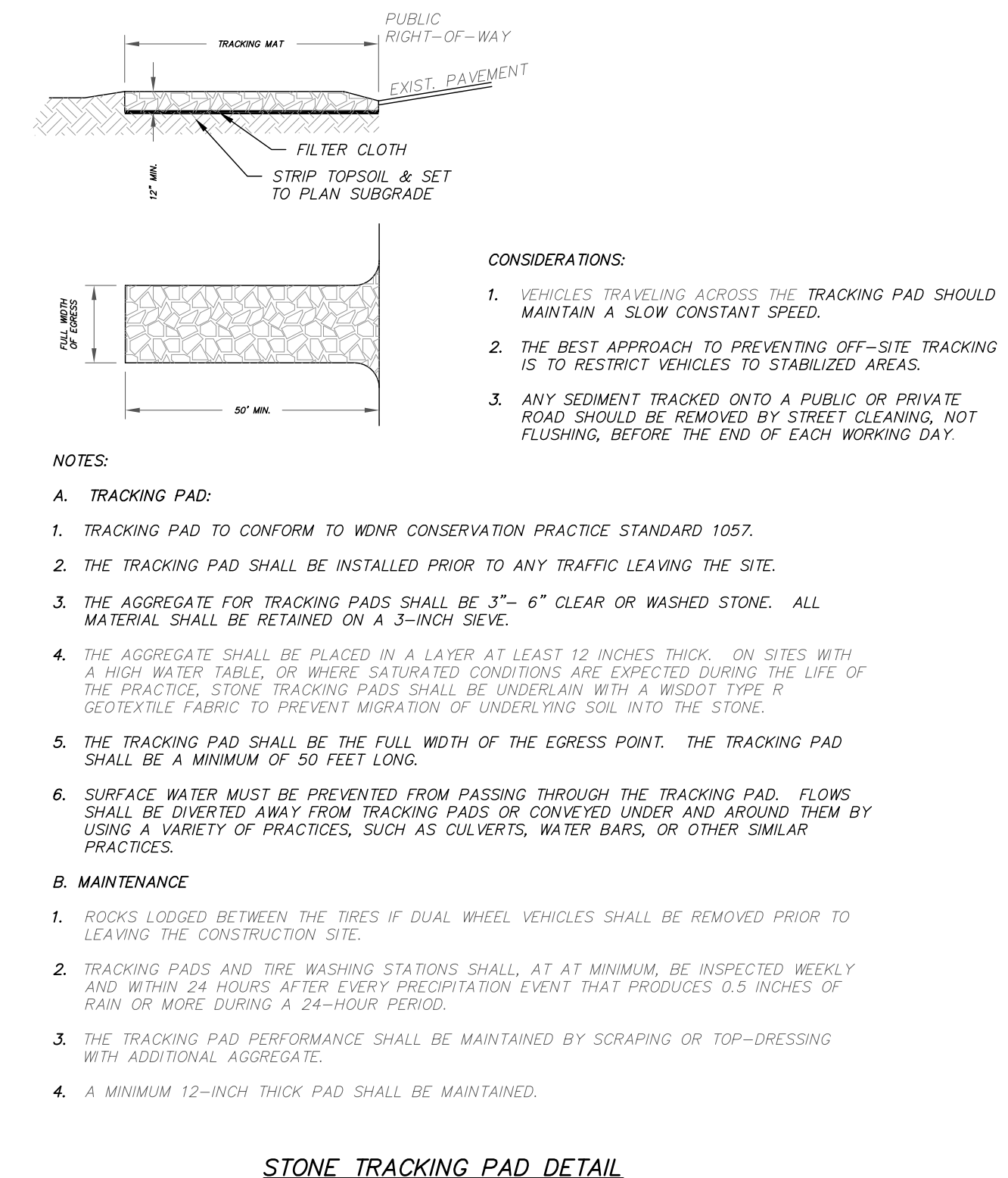
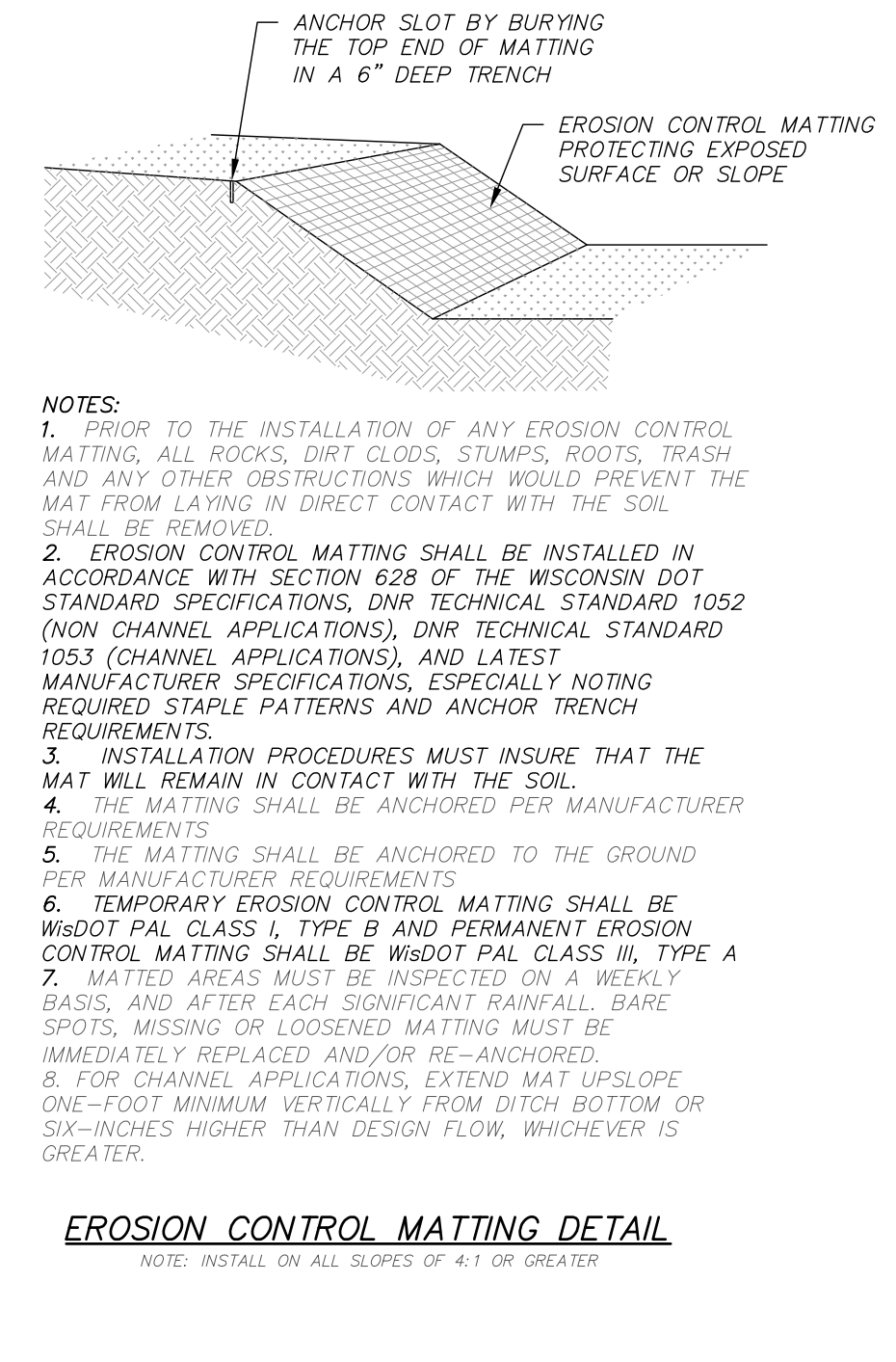
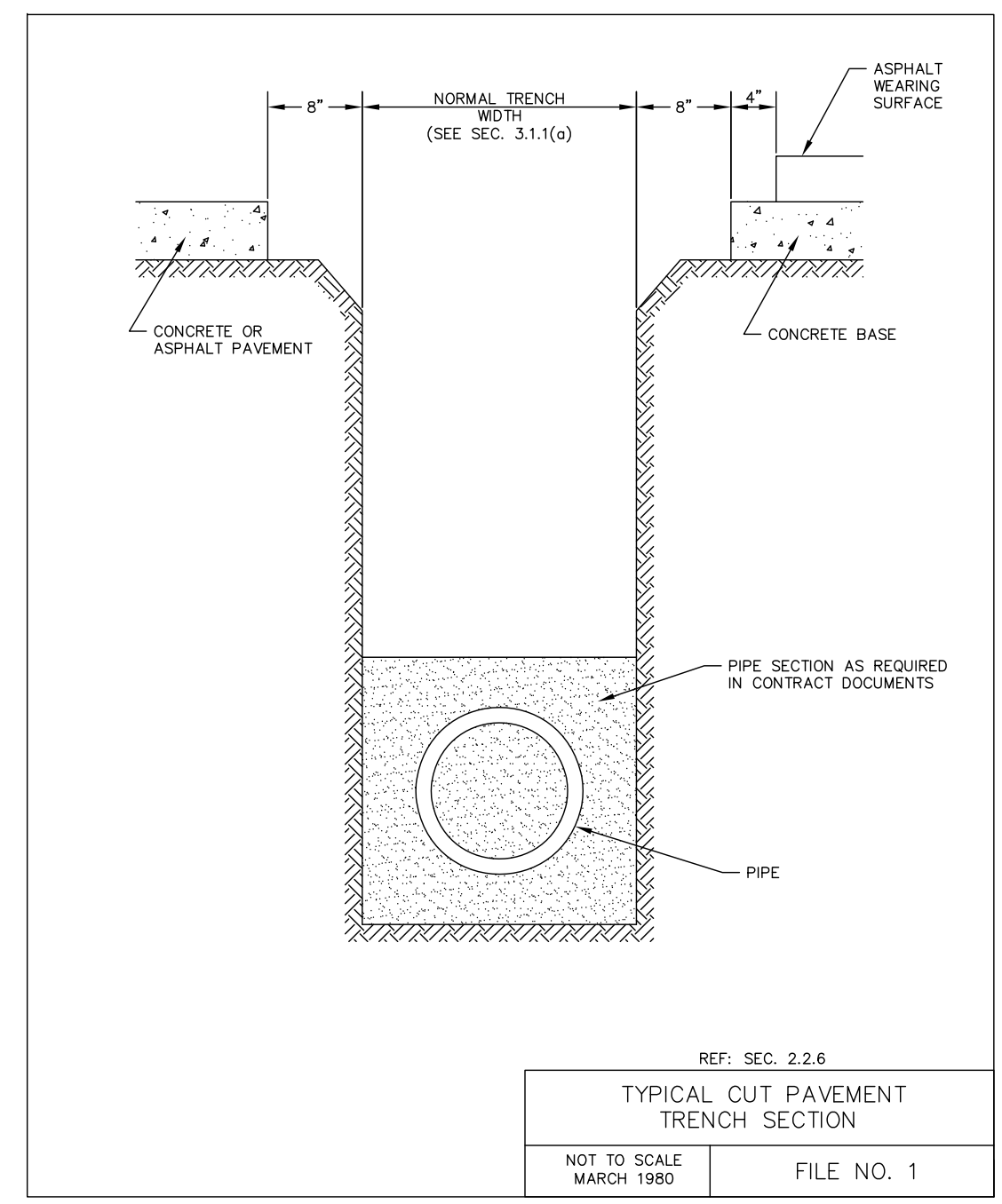
SPRING CITY JET CENTER
2451 AVIATION RD., WAUKESHA WI 53188-6900

DRAWING SET:
PLAN
COMMISSION
REVIEW

REVISIONS	NUMBER	DESCRIPTION	DATE

Date: 12-03-2018
Project: 2018-08.009
Drawn by: BDP
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SHEET NUMBER
C-2





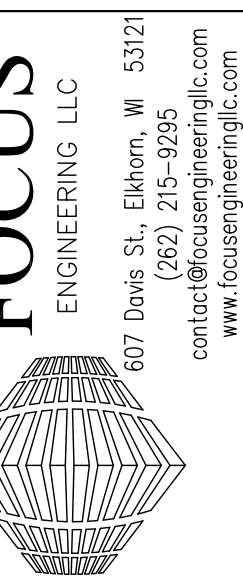
CONSTRUCTION NOTES

1. THE LANDOWNER OR THEIR AUTHORIZED AGENT SHALL KEEP APPROVED PLAN, PERMIT, AND EROSION CONTROL INSPECTION RECORDS ONSITE AT ALL TIMES UNTIL THE SITE IS STABILIZED AND NOTICE OF TERMINATION FILED.
2. CHANGES TO THIS PLAN MUST BE APPROVED BY CITY OF WAUKESHA, ENGINEER, AND OTHER JURISDICTIONAL AUTHORITIES PRIOR TO IMPLEMENTATION.
3. AT A MINIMUM, CONSTRUCTION SITE EROSION CONTROL INSPECTIONS SHALL BE CONDUCTED WEEKLY, AND WITHIN 24 HOURS OF AFTER A PRECIPITATION EVENT OF 0.5 INCH OR GREATER. A PRECIPITATION EVENT MAY BE CONSIDERED TO BE THE TOTAL AMOUNT OF PRECIPITATION IN ANY CONTINUOUS 24-HOUR PERIOD. CONTINUE THROUGH STABILIZATION.
4. MAINTAIN INSPECTION RECORDS WITH FORM 3400-017, CURRENT REVISION, OR DOCUMENT WITH EQUIVALENT INFORMATION AS PER NR 216.48(4)(c). RECORDS SHALL BE KEPT ONSITE AND AVAILABLE UPON REQUEST.
5. ALL EQUIPMENT USED FOR THE PROJECT SHALL BE DE-CONTAMINATED FOR INVASIVE AND EXOTIC VIRUSES AND SPECIES PRIOR TO AND AFTER USE. FOLLOW MOST RECENT DEPARTMENT APPROVED WASHING AND DISINFECTION PROTOCOLS AND DEPARTMENT APPROVED BEST MANAGEMENT PRACTICES.
6. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
7. IN THE EVENT DEWATERING BECOMES NECESSARY, NOTIFY ENGINEER IMMEDIATELY, AND OBTAIN APPROPRIATE PERMITS PRIOR TO CONTINUING WORK.
8. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
9. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
10. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE. MONITOR FOR ONE YEAR AFTER PROJECT COMPLETION. DURING MONITORING PERIOD, THE GRADING SITE SHALL BE INSPECTED REGULARLY, AND ANY AREAS REQUIRING ADDITIONAL STABILIZATION OR REVEGETATION SHALL BE ADDRESSED TO ENSURE FINAL STABILIZATION.
11. EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE AREAS THEY SERVE HAVE ESTABLISHED VEGETATIVE COVER, OR 70% GROWTH.
12. ONE YEAR AFTER PROJECT COMPLETION, A REPORT AND PHOTOGRAPHS SHALL BE SUBMITTED TO THE DEPARTMENT TO DEMONSTRATE THAT THE GRADING SITE IS STABILIZED. IF AFTER ONE YEAR, FINAL STABILIZATION HAS NOT BEEN ACHIEVED OR MAINTAINED, THE DEPARTMENT MAY REQUIRE THE LANDOWNER TO SUBMIT A REVISED VEGETATION PLAN TO THE DEPARTMENT, AND IMPLEMENT THE REVISED PLAN.
13. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE CITY OF WAUKESHA. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
14. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO RECEIVING CHANNEL.
15. MAKE PROVISIONS FOR WATERING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
16. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.), OR AS DIRECTED BY THE ENGINEER, CITY OF WAUKESHA, OR WDNR.
17. THIS PLAN INCLUDES WORK FOR THE CONSTRUCTION OF COMMERCIAL PROPERTY
18. THE FOLLOWING SEQUENCE OF EROSION CONTROL SHALL BE FOLLOWED:
 INSTALL PERIMETER EROSION CONTROL
 CONSTRUCTION GRADING STAGED TO MINIMIZE EXPOSED AREA
 REPAIR OF BREAKS AND GAPS IN SILT FENCE IMMEDIATELY
 ONGOING SITE DUST CONTROL
 TEMPORARY AND FINAL STABILIZATION AND EROSION MATTING

EROSION CONTROL NOTES

THE FOLLOWING EROSION CONTROL SPECIFICATIONS SHALL BE FOLLOWED FOR THIS PROJECT.

1. THESE BEST MANAGEMENT PRACTICES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES.
 - 1.1. SILT FENCE: SEE TECHNICAL STANDARD 1056 FOR FURTHER GUIDANCE.
 - 1.1.A. SILT FENCE SHALL BE PLACED ON THE CONTOUR, NOT PERPENDICULAR TO THE CONTOUR.
 - 1.1.B. THE ENDS OF THE FENCE SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE.
 - 1.1.C. INSTALLED SILT FENCE SHALL BE MINIMUM 14 INCHES HIGH AND SHALL NOT EXCEED 28 INCHES IN HEIGHT MEASURED FROM THE INSTALLED GROUND ELEVATION.
 - 1.1.D. SILT FENCES SHALL BE SUPPORTED BY WOOD SUPPORTS. FOR STEEL SUPPORTS, SEE FURTHER GUIDANCE IN WDNR TECHNICAL STANDARD 1056. THE FULL HEIGHT SHALL BE SUPPORTED BY 1-1/8" BY 1-1/8" AIR OR KILN DRIED POSTS OF HICKORY OR OAK.
 - 1.1.E. THE FABRIC SHALL BE STAPLED, USING AT LEAST 0.5-INCH STAPLES, TO THE UPSLOPE SIDE OF THE POSTS IN AT LEAST 3 PLACES. THE POSTS SHALL BE A MINIMUM 3 FEET LONG FOR 24-INCH SILT FENCE AND 4 FEET FOR 36-INCH SILT FENCE FABRIC.
 - 1.1.F. THE SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF THE FABRIC IN A 4-INCH WIDE BY 6-INCH DEEP TRENCH, OR A 5 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. THE TRENCH SHALL BE BACKFILLED AND COMPACTED. TRENCHES SHALL NOT BE EXCAVATED WIDER AND DEEPER THAN NECESSARY FOR PROPER INSTALLATION. ON THE TERMINAL ENDS OF SILT FENCE, THE FABRIC SHALL BE WRAPPED AROUND THE POST SUCH THAT THE STAPLES ARE NOT VISIBLE.
 - 1.1.G. THE GEOTEXTILE FABRIC SHALL BE LISTED ON THE WISDOT PAL, OR AS DETAILED ON WDNR TECHNICAL STANDARD 1056.
 - 1.1.H. SILT FENCES SHALL BE REMOVED ONCE THE DISTURBED AREA IS PERMANENTLY STABILIZED AND NO LONGER SUSCEPTIBLE TO EROSION.
 - 1.2. TRACKING PAD: SEE TECHNICAL STANDARD 1057 FOR FURTHER GUIDANCE.
 - 1.2.A. THE TRACKING PAD SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE.
 - 1.2.B. THE AGGREGATE FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIAL TO BE RETAINED ON A 3-INCH SIEVE.
 - 1.2.C. THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. ON SITES WITH A HIGH WATER TABLE, OR WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PRACTICE, STONE TRACKING PADS SHALL BE UNDERLAIN WITH A WISDOT TYPE R GEOTEXTILE FABRIC TO PREVENT MIGRATION OF UNDERLYING SOIL INTO THE STONE.
 - 1.2.D. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT. THE TRACKING PAD SHALL BE AT A MINIMUM 50 FEET LONG.
 - 1.2.E. SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY FROM TRACKING PADS OR CONVEYED UNDER AND AROUND THEM BY USING A VARIETY OF PRACTICES, SUCH AS CULVERTS, WATER BARS, OR OTHER SIMILAR PRACTICES.
 - 1.2.F. IF CONDITIONS ON THE SITE ARE SUCH THAT THE SEDIMENT IS NOT REMOVED FROM VEHICLE TIRES BY THE TRACKING PAD, THEN TIRES SHALL BE WASHED UTILIZING PRESSURIZED WATER BEFORE ENTERING A PUBLIC ROAD.
 - 1.2.G. THE WASHING STATION SHALL BE LOCATED ON-SITE IN AN AREA THAT IS STABILIZED AND DRAINS INTO SUITABLE SEDIMENT TRAPPING OR SETTLING DEVICE.
 - 1.2.H. THE WASH RACK SHALL CONSIST OF A HEAVY GRATING OVER A LOWERED AREA. THE RACK SHALL BE STRONG ENOUGH TO SUPPORT THE VEHICLES THAT WILL CROSS IT.
 - 1.2.I. ROCKS LODGED BETWEEN THE TIRES OF DUAL WHEEL VEHICLES SHALL BE REMOVED PRIOR TO LEAVING THE CONSTRUCTION SITE.
2. THE FOLLOWING MEASURES SHALL BE FOLLOWED DURING ALL LAND DISTURBING OPERATIONS.
 - 2.1. DUST CONTROL: SEE TECHNICAL STANDARD 1068 FOR FURTHER GUIDANCE.
 - 2.1.A. THE IMPLEMENTATION OF DUST CONTROL SHALL LIMIT THE AREA EXPOSED FOR DUST GENERATION.
 - 2.1.B. ASPHALT AND PETROLEUM BASED PRODUCTS CANNOT BE USED FOR DUST CONTROL.
 - 2.1.C. MUCH AND VEGETATION - MUCH OR SEED AND MULCH MAY BE APPLIED TO PROTECT EXPOSED SOIL FROM BOTH THE WIND AND WATER EROSION, PER APPROPRIATE TECHNICAL STANDARDS.
 - 2.1.D. WATER - WATER UNTIL THE SURFACE IS WET AND REPEAT AS NEEDED. WATER SHALL BE APPLIED AT RATES SO THAT RUNOFF DOES NOT OCCUR. TREATED SOIL SURFACES THAT RECEIVE VEHICLE TRAFFIC REQUIRE A STONE TRACKING PAD OR TIRE WASHING AT ALL POINTS OF ACCESS.
 - 2.1.E. TILLAGE - A CONTROL MEASURE PERFORMED WITH CHISEL TYPE PLOWS ON EXPOSED SOILS. TILLAGE SHALL BEGIN ON THE WINDWARD SIDE OF THE SITE. TILLAGE IS ONLY APPLICABLE TO FLAT AREAS.
 - 2.1.F. POLYMERS - POLYMERS CAN BE AN EFFECTIVE PRACTICE FOR AREAS THAT DO NOT RECEIVE VEHICLE TRAFFIC. DRY APPLIED POLYMERS MUST BE INITIALLY WATERED FOR ACTIVATION TO BE EFFECTIVE FOR DUST CONTROL.
 - 2.1.G. TACKIFIERS AND SOIL STABILIZERS TYPE A - PRODUCTS MUST BE SELECTED FROM AND INSTALLED AT RATES CONFORMING TO THE WISDOT EROSION CONTROL PAL.
 - 2.1.H. CHLORIDES - CHLORIDES SHALL BE APPLIED ACCORDING TO THE MOST RECENT VERSION OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
 - 2.1.I. BARRIERS - BARRIERS SHALL BE PLACED AT RIGHT ANGLES TO PREVAILING WIND CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT. SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND BLOWN SOIL.
3. THE FOLLOWING MEASURES SHALL BE FOLLOWED UPON TEMPORARY AND FINAL SITE RESTORATION
 - 3.1. SITE SEEDING: SEE TECHNICAL STANDARD 1059 FOR FURTHER GUIDANCE.
 - 3.1.A. TEMPORARY SEEDING REQUIRES A SEEDBED OF LOOSE SOIL TO A MINIMUM DEPTH OF 2-INCHES.
 - 3.1.B. FERTILIZER APPLICATION IS NOT GENERALLY REQUIRED FOR TEMPORARY SEEDING. HOWEVER, ANY APPLICATION OF FERTILIZER OR LIME SHALL BE BASED ON SOIL TESTING RESULTS.
 - 3.1.C. THE SOIL SHALL HAVE A pH RANGE OF 5.5 TO 8.0.
 - 3.1.D. TOPSOIL INSTALLATION SHALL BE COMPLETED PRIOR TO PERMANENT SEEDING.
 - 3.1.E. PERMANENT SEEDING REQUIRES A SEEDBED OF LOOSE TOPSOIL TO A MINIMUM DEPTH OF 4-INCHES WITH THE ABILITY TO SUPPORT A DENSE VEGETATIVE COVER.
 - 3.1.F. APPLICATION RATES OF FERTILIZER OR LIME SHALL BE BASED ON SOIL TESTING RESULTS.
 - 3.1.G. PREPARE A TILLED, FINE BUT FIRM SEEDBED. REMOVE ROCKS, TWIGS, FOREIGN MATERIAL AND CLODS OVER TWO INCHES THAT CANNOT BE BROKEN DOWN.
 - 3.1.H. THE SOIL SHALL HAVE A pH RANGE OF 5.5 TO 8.0.
 - 3.1.I. SEE MIXTURES THAT WILL PRODUCE DENSE VEGETATION SHALL BE SELECTED BASED ON SOIL AND SITE CONDITIONS AND INTENDED FINAL USE.
 - 3.1.J. SEED MIXTURES THAT CONTAIN POTENTIALLY INVASIVE SPECIES OR SPECIES THAT MAY BE HARMFUL TO NATIVE PLANT COMMUNITIES SHALL BE AVOIDED.
 - 3.1.K. SEED SHALL NOT BE USED LATER THAN ONE YEAR AFTER THE TEST DATE THAT APPEARS ON THE LABEL.
 - 3.1.L. SEED RATES, INOCULATION, AND SOWING, SHALL ALL CONFORM TO THE TECHNICAL STANDARD, MANUFACTURERS RECOMMENDATIONS, AND THE WISDOT PAL.
 - 3.2. NON-CHANNEL EROSION MAT: SEE TECHNICAL STANDARD 1052 FOR FURTHER GUIDANCE.
 - 3.2.A. ONLY WISDOT PAL APPROVED MATS WILL BE ACCEPTED FOR THIS PROJECT. SEE THE PAL FOR ACCEPTABLE SLOPE AND SLOPE LENGTH APPLICATIONS. TO DIFFERENTIATE APPLICATIONS, EROSION MATS ARE ORGANIZED INTO THREE CLASSES OF MATS, WHICH ARE FURTHER BROKEN DOWN INTO VARIOUS TYPES. FOLLOW THE INFORMATION CALLED FOR IN THE PLANS AND SPECIFICATIONS PROVIDED HEREIN AND IN THE WISDOT PAL.
 - 3.2.B. ECRM'S SHALL BE INSTALLED AFTER ALL TOPSOILING, FERTILIZING, LIMING, AND SEEDING IS COMPLETE.
 - 3.2.C. THE MAT SHALL BE IN FIRM AND INTIMATE CONTACT WITH THE SOIL. IT SHALL BE INSTALLED AND ANCHORED PER THE MANUFACTURER'S RECOMMENDATION.
 - 3.2.D. TRM SHALL BE INSTALLED IN CONJUNCTION WITH THE TOPSOILING OPERATION AND SHALL BE FOLLOWED BY ECRM INSTALLATION.
 - 3.2.E. AT TIME OF INSTALLATION, DOCUMENT THE MANUFACTURER AND MAT TYPE BY RETENTION OF MATERIAL LABELS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. RETAIN THIS DOCUMENTATION UNTIL THE SITE HAS BEEN STABILIZED.



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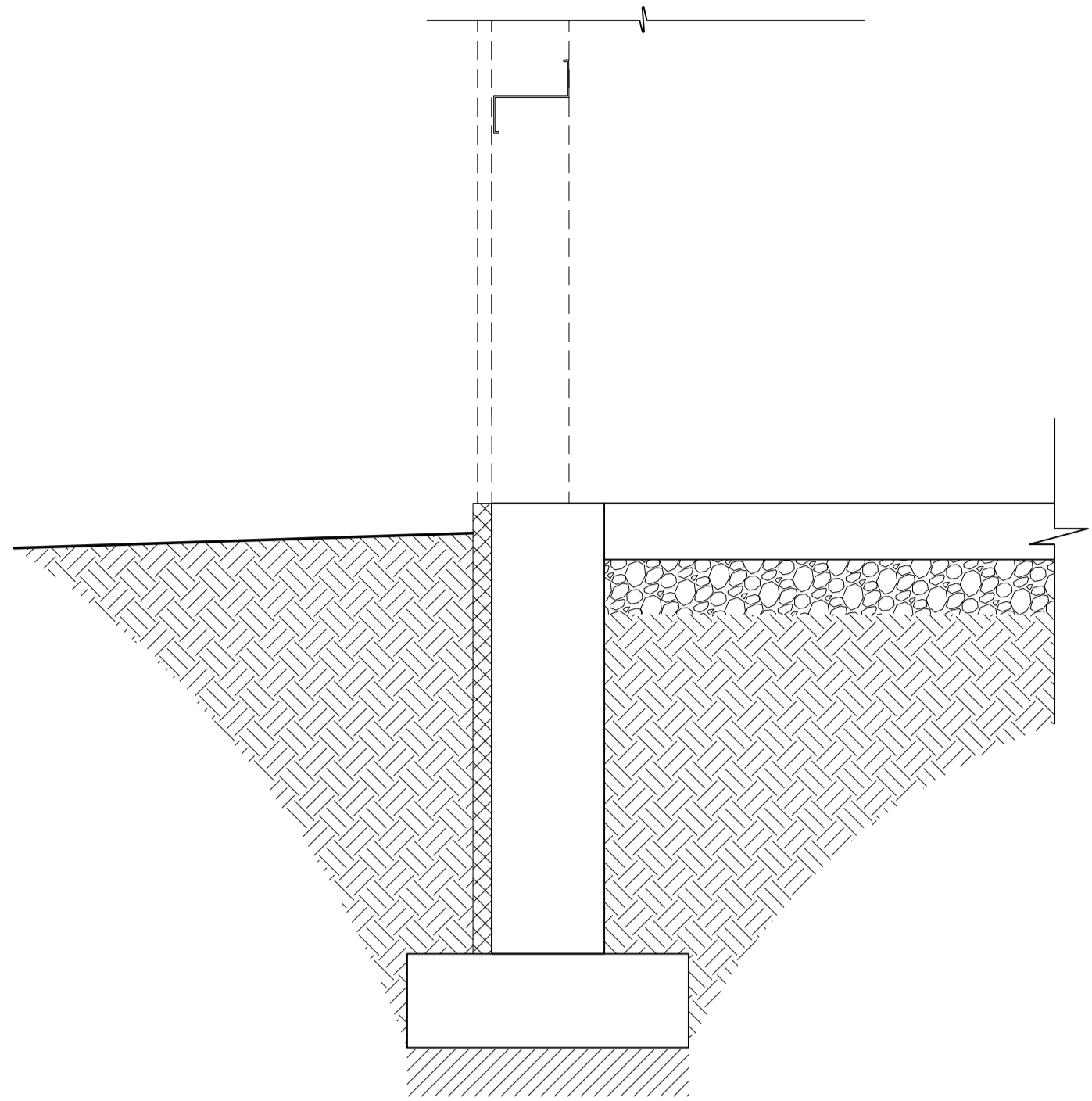
DRAWING SET:
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Date: 12-03-2018
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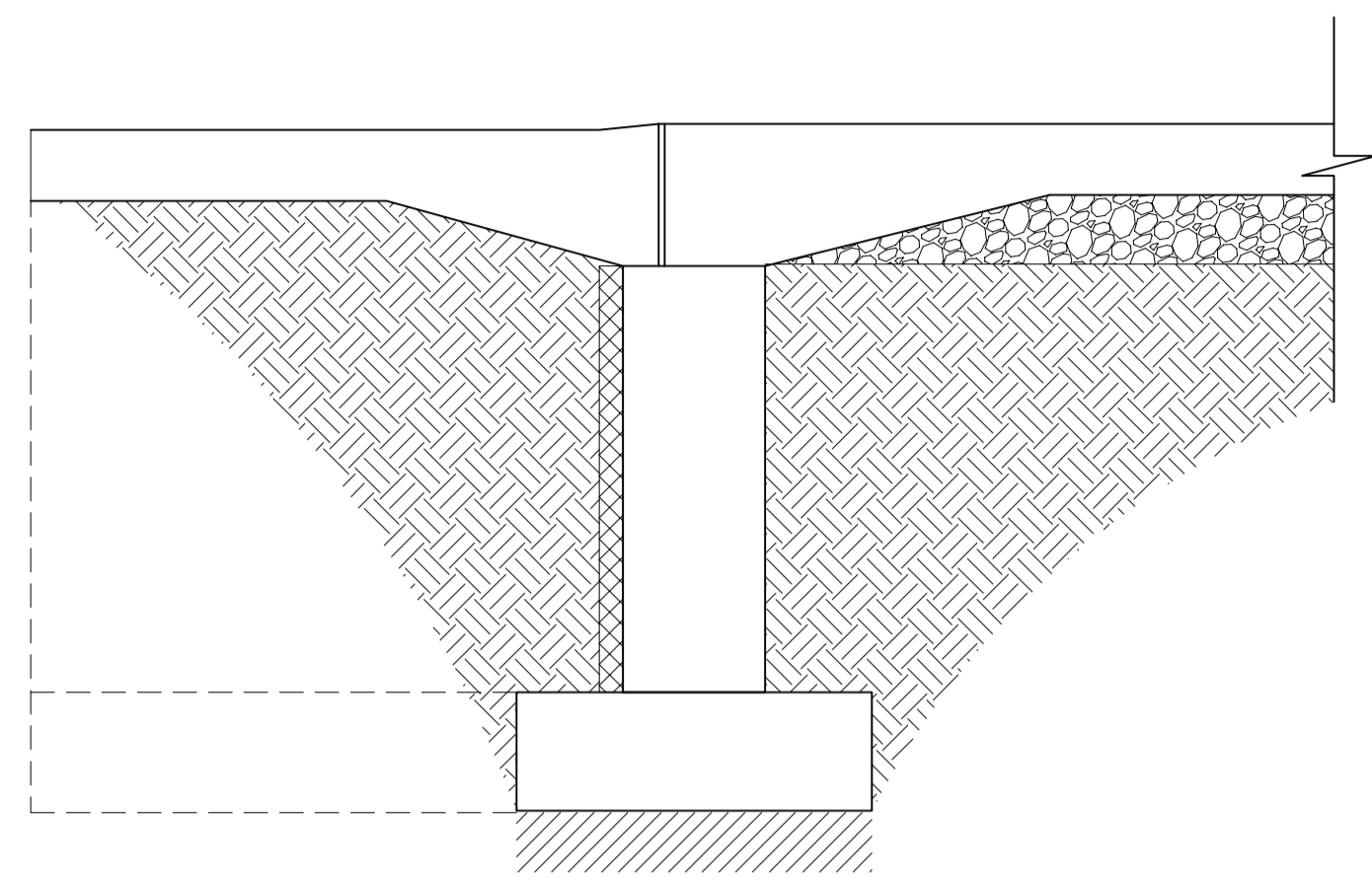
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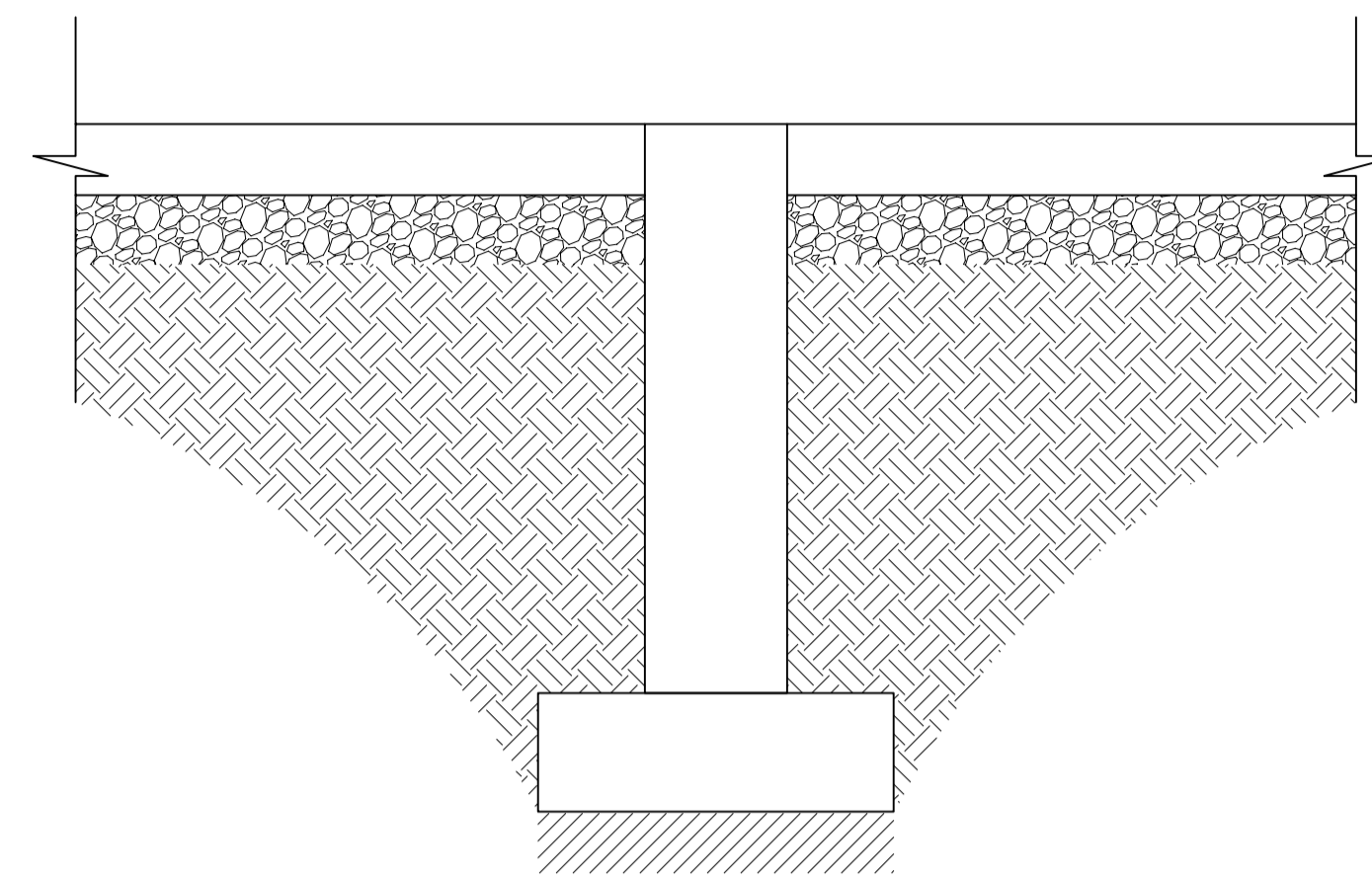
01 TYPICAL FOUNDATION WALL

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



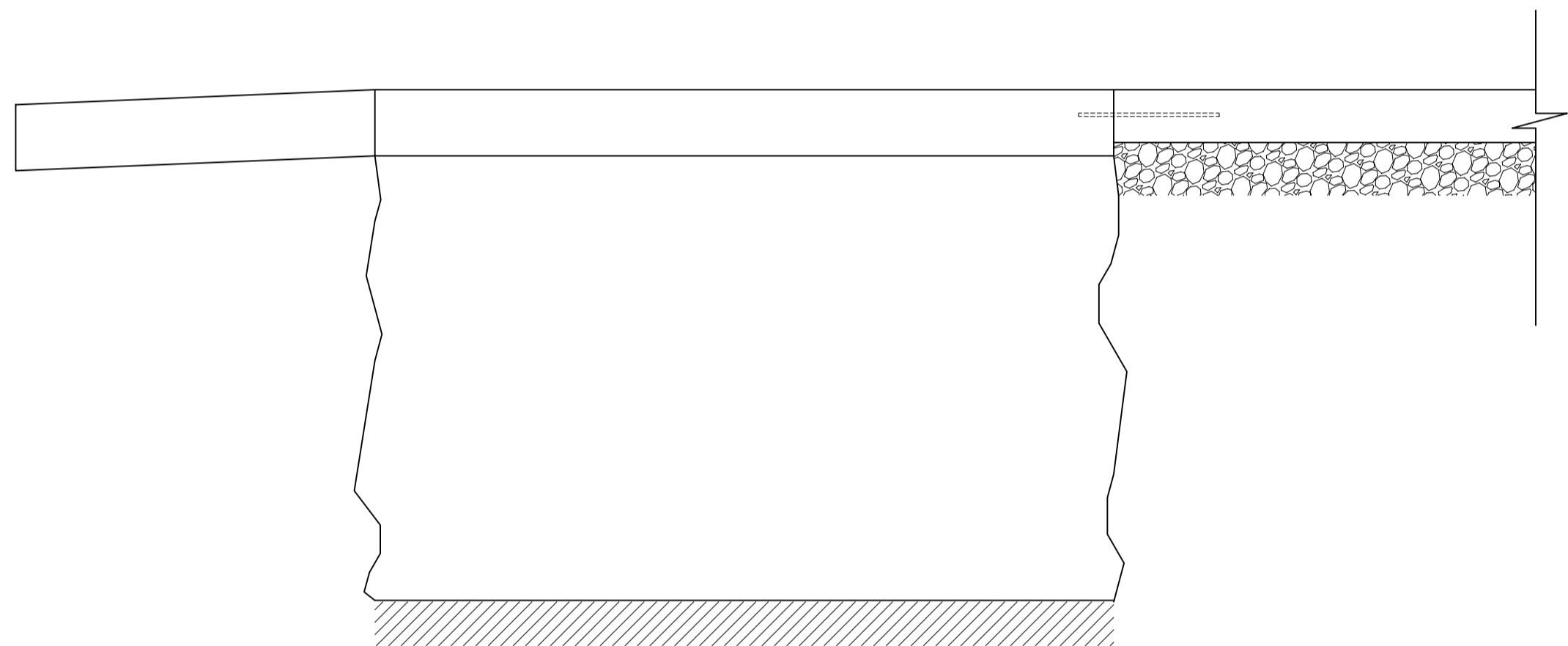
02 TYPICAL FOUNDATION WALL AT EXT. DOOR AND STOOP

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



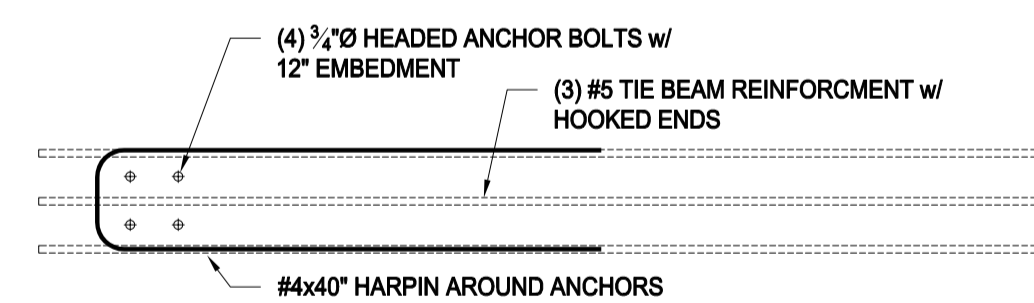
03 INTERIOR FOUNDATION WALL

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



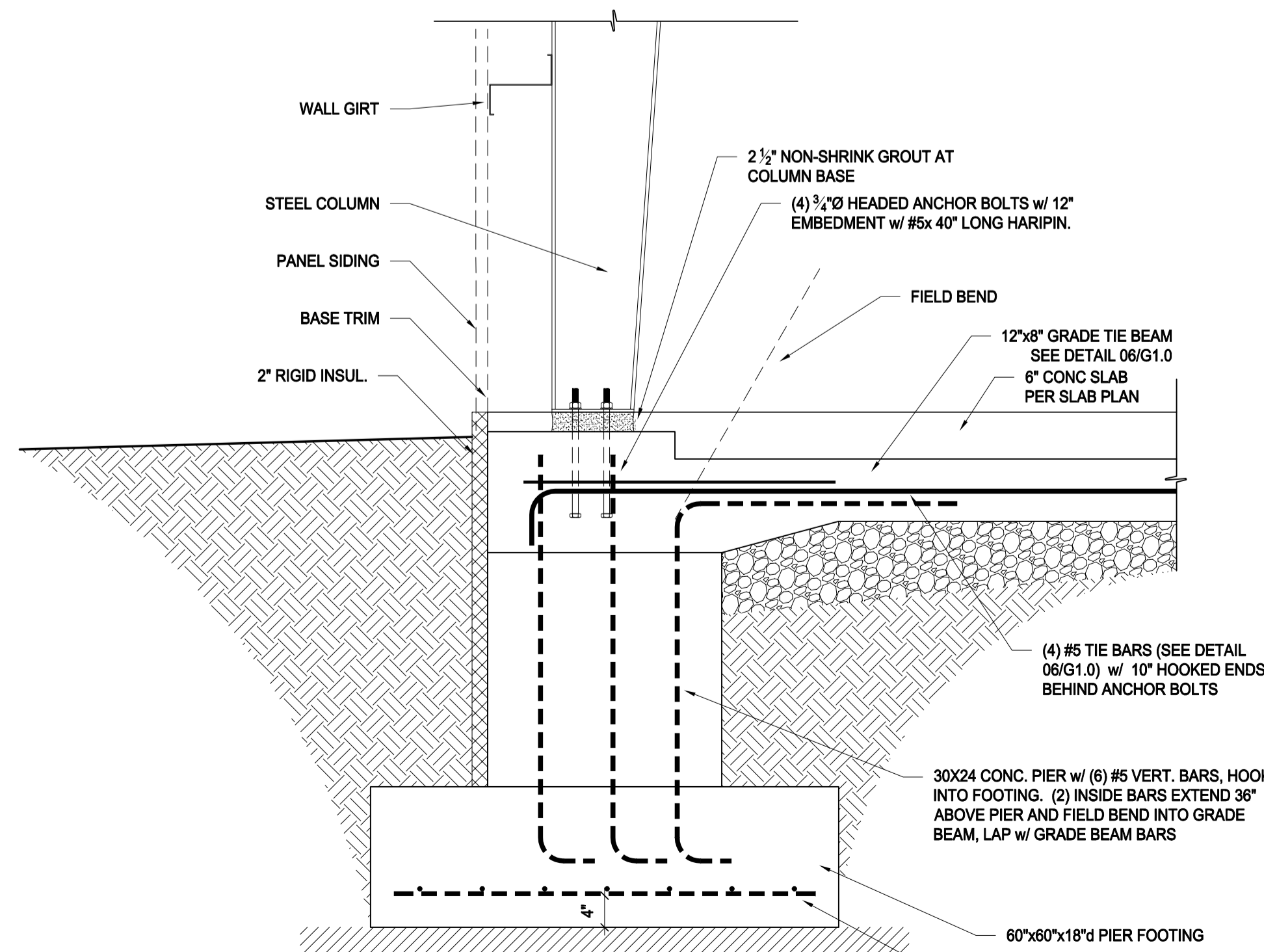
04 TRENCH WALL AT HANGER DOOR

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



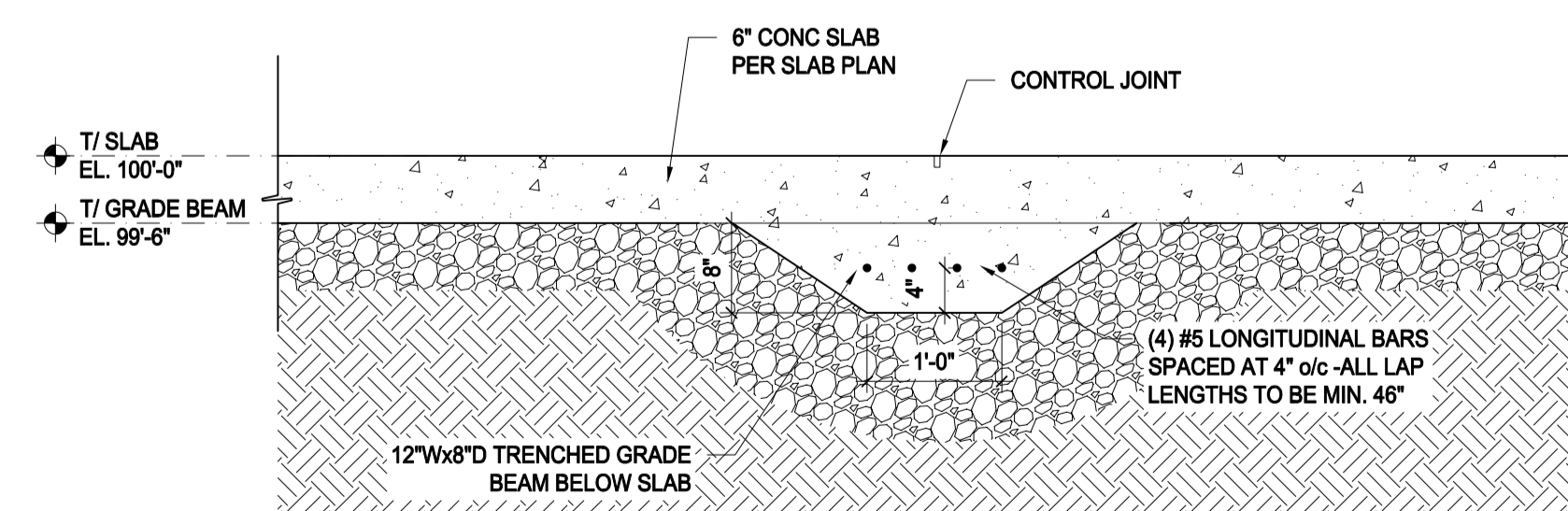
05A ANCHOR BOLT HAIRPIN

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



05 FOUNDATION AT FRAME PILASTER

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



06 AT GRADE TIE BEAM

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

GENERAL CONSTRUCTION NOTES

- NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ENGINEER.
- ALL DIMENSIONS CONTROLLED BY EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE.
- CONSTRUCTION AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ALL THE REQUIREMENTS OF ALL LEGALLY CONSTITUTED PUBLIC AUTHORITIES HAVING JURISDICTION ON THE PROJECT, INCLUDING ALL COUNTY AND LOCAL ORDINANCES, AND THE SAFETY ORDERS OF THE STATE INDUSTRIAL ACCIDENT COMMISSION (SIAAC).
- THE GENERAL CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS.
- ALL WORK PERFORMED SHALL CONFORM WITH THE REQUIREMENTS OF THE CURRENT BUILDING CODE AND OTHER APPLICABLE COVERING CODES AND BUILDING ORDINANCES. REFER TO BUILDING DESIGN LOADS FOR ADDITIONAL INFORMATION.
- ALL STRUCTURAL MATERIALS SHALL BE FURNISHED AS SHOWN IN THESE PLANS UNLESS ALTERNATES ARE APPROVED IN WRITING BY THE ENGINEER.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND PROTECTIVE BRACING DURING CONSTRUCTION ERECTION TO SUPPORT ALL CONSTRUCTION LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED.
- THE DRAWINGS AND SPECIFICATIONS FOR THE COMPLETED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER ARE FOR THE PURPOSE OF QUALITY CONTROL AND IN THE INTEREST OF ACHIEVING COMPLIANCE WITH THE CONTRACT DOCUMENTS. THEY DO NOT GUARANTEE THE CONTRACTORS PERFORMANCE AND SHALL NOT BE CONSTRUED AS CONSTRUCTION SUPERVISION.
- THE SHOP DRAWING REVIEW PROCESS BY THE ENGINEER WILL ONLY COMMENCE AFTER THE PREPARATION OF SHOP DRAWINGS HAVE BEEN AS FOLLOWS:
 - INITIALLY REVIEWED AND ACCEPTED AS CONFORMING WITH THE CONSTRUCTION DRAWINGS BY THE RESPONSIBLE SUPERVISOR AND DRAWING CHECKER WITH THEIR SIGNATURES.
 - APPROVED AND ACCEPTED WITH A STAMP FROM THE GENERAL CONTRACTOR AS CONFORMING TO THE CONSTRUCTION DOCUMENTS.
 - A MINIMUM OF 10 WORKING DAYS HAS BEEN ALLOCATED FOR THE REVIEW PROCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE SHOP DRAWING REVIEW SCHEDULE.
- SEE THE SPECIFICATIONS PACKAGE PRODUCED FOR ADDITIONAL REQUIREMENTS, IF APPLICABLE.

FOUNDATION NOTES

- IF A SOILS REPORT IS AVAILABLE IT SHALL BE INCLUDED IN ITS ENTIRETY AS PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR AND CONCRETE SUBCONTRACTOR SHALL REVIEW AND FAMILIARIZE THEMSELVES WITH THE SOILS REPORT. WHEN A SOILS REPORT IS NOT PROVIDED, MINIMUM ASSUMED VALUES SHALL BE USED.
- SOILS REPORT BY: N/A
- SOIL DESIGN VALUES:

SOIL TYPE: _____	ASSUMED GW OR GP (SANDY GRAVEL OR GRAVEL)
CONTINUOUS FOOTINGS: _____	ASSUMED 2000 P.S.F.
ISOLATED PAD FOOTINGS: _____	ASSUMED 2000 P.S.F.
LATERAL PASSIVE PRESSURE: _____	ASSUMED 30 P.S.F. PER FT.
FROST PENETRATION DEPTH: _____	4'
- IF ACTUAL CONDITIONS ARE DIFFERENT (SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, AND CLAYEY GRAVEL - TYPES SW, SP, SM, SC, GM, GC, OR ... CLAY, SMOEY CLAY, SILTY CLAY, CLAYEY SILT, SILT AND SANDY SILT TYPES CL, ML, MH, OH) WITH LOWER BEARING CAPACITIES, NOTIFY ENGINEER IMMEDIATELY.
- ALL FOOTINGS ARE INDICATED BY DASHED LINES. SEE DETAILS FOR SIZE AND TYP. REINFORCING.
- FOOTINGS SHALL BE CAST ON UNDISTURBED SUBSOIL OR COMPACTED FILL.
- UNSPECIFIED WALL FOOTINGS SHALL BE TWICE THE WIDTH OF THE SUPPORTED WALL AND AS DEEP AS THE WALL THICKNESS.
- EXCAVATION DEPTHS FOR THE FOUNDATIONS SHOWN ON THE DRAWINGS ARE TO BE MEASURED FROM THE LOWEST ADJACENT UNDISTURBED SOIL GRADE OR APPROVED COMPACTED EARTH GRADE WITH AT LEAST 5'-0" MINIMUM HORIZONTAL DISTANCE TO DAYLIGHT AT BOTTOM OF FOUNDATION EXCAVATION (U.N.C.).
- TOPSOIL OR UNSUITABLE FILL BELOW SLABS ON GRADE SHALL BE REMOVED, BACK FILL UNDER SLABS AND AGAINST WALLS SHALL BE BANK-RUN GRAVEL, COMPACTED IN 6" LAYERS. SLABS ON GRADE SHALL BE CAST ON AT LEAST 6" OF COMPACTED GRAVEL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING NECESSARY TO SUPPORT ANY CUT AND FILL BANKS DURING EXCAVATION AND FOR FORMING AND PLACEMENT OF CONCRETE AND DRAINAGE.
- FILLING AND BACK FILLING SHALL BE COMPACTED TO A MINIMUM OF 90% OR MORE IF SO NOTED, OF MAXIMUM DENSITY IN ACCORDANCE WITH THE SOILS REPORT AND ASTM TEST METHOD D-1557-78. FLOODING OF BACK FILL IS NOT PERMITTED.
- ALL FILL AND BACK FILL MATERIAL SHALL BE APPROVED BY THE PROJECT SOILS ENGINEER WHERE APPLICABLE.
- WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS PRIOR TO PLACEMENT OF CONCRETE. CARE SHALL BE TAKEN SO AS NOT TO DRY OUT THE UNDERLYING NATURAL SOILS.
- UNLESS NOTED OTHERWISE, CURBS, GUTTERS, AND SIDEWALK AREAS OF THE SLABS MAY BE PLACED DIRECTLY ON APPROVED 90% MIN. COMPACTED FILL.
- DO NOT BACK FILL AGAINST WALLS UNTIL THE STRUCTURAL FLOOR SLAB IS IN PLACE AND WALL IS CURED AT LEAST SEVEN (7) DAYS OR UNTIL THE WALL IS ADEQUATELY BRACED.

CONCRETE NOTES:

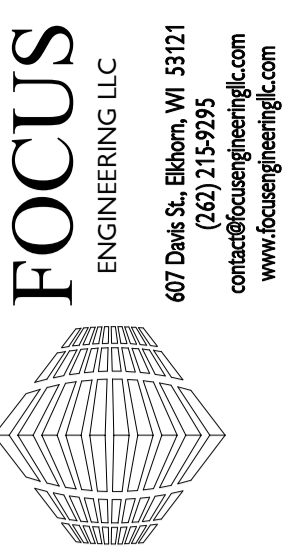
- ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM WITH THE CURRENT ADOPTED EDITION OF THE ACI CODE AND SPECIFICATIONS (ACI 318, ACI 301).
- THE SPECIFIED COMPRESSIVE STRENGTH OF THE CONCRETE (F_c) FOR EACH PORTION OF THE STRUCTURE SHALL BE AS DESIGNATED BELOW, UNLESS NOTED OTHERWISE ON THE PLANS. STRENGTH REQUIREMENTS SHALL BE BASED ON A 28-DAY COMPRESSIVE STRENGTH TEST.
- CONCRETE DESIGN STRENGTH (F_c):

FOOTINGS: _____	3000 P.S.I.
SLABS: _____	3000 P.S.I.
WALLS: _____	4000 P.S.I.
- AGGREGATE MUST HAVE A UNIFORM DISTRIBUTION OF PARTIAL SIZE RANGING FROM 0.118" TO 1" (TYP.) IN 4" WALLS MAXIMUM SIZE IS 3/4"
- AT THE TIME OF PLACEMENT, CONCRETE USED IN WALLS SHOULD HAVE A SLUMP VALUE OF 4". PLACE CONCRETE IN MAXIMUM OF 4' LIFTS. CONTRACTOR SHALL CONSOLIDATE PLACED CONCRETE WITH AN INTERNAL VIBRATOR OR PROVIDE EXTERNAL VIBRATION WHICH IS PROVEN TO ELIMINATE VOIDS THROUGH TESTING.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO PLACING CONCRETE.
- DO NOT PLACE OR CUT HOLES IN CONCRETE SLABS, BEAMS, COLUMNS OR WALLS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- ALL FOUNDATION WALL THICKNESS PER PLAN. SEE DETAILS FOR TYP. REINFORCING.
- EXTERIOR EXPOSED CONCRETE SHALL BE AIR-ENTRAINED. MINIMUM CONTENT SHALL BE SIX PERCENT (6%).
- ALLOW AT LEAST 24 HOURS BEFORE POURING ADJACENT WALL SECTIONS BETWEEN CONSTRUCTION JOINTS. MAXIMUM LENGTH OF POUR TO BE 40 FEET, UNLESS CRACK INDUCERS ARE USED.
- NO HOLES, TRENCHES, OR DISTURBANCES OF THE SOIL SHALL BE ALLOWED WITHIN THE VOLUME DESCRIBED BY 45 DEGREE LINES SLOPING FROM THE BOTTOM EDGE OF THE FOOTING. IF SUCH ARE REQUIRED, FOOTINGS MUST BE LOWERED.
- PIPES AND CONDUITS EMBEDDED IN OR PASSING THROUGH STRUCTURAL MEMBERS MUST BE APPROVED BY THE ENGINEER. PIPES AND CONDUITS EMBEDDED IN CONCRETE SHALL NOT BE LARGER IN OUTSIDE DIAMETER AT ITS WIDEST POINT OR FITTING THAN 2/3 OF THE THICKNESS OF THE SLAB, BEAM OR WALL.
- ELECTRICAL CONDUIT OR PIPES EMBEDDED IN OR PASSING THROUGH FLOORS, WALLS OR BEAMS SHALL BE LOCATED AND PLACED SO THAT:
 - THEY ARE NOT CLOSER THAN 3 DIAMETERS ON CENTER.
 - THE CONCRETE COVER IS NOT LESS THAN 1".
 - THEY RUN BETWEEN REINFORCING & DO NOT DISPLACE IT.
- SLABS ON GRADE SHALL BE CAST ALLOWING A SUFFICIENT NUMBER OF JOINTS TO ADEQUATELY CONTROL SHRINKAGE CRACKING. SAW CUTTING SHALL BE DONE AS SOON AS SAW CUT WILL NOT RAVEL CONCRETE OR WITHIN 16 HOURS MAXIMUM OF INITIAL POURING OPERATION. MAXIMUM SIZE OF PANELS 12' X 12' UNLESS APPROVED BY THE ENGINEER.
- SLABS ON GRADE SHALL BE THICKNESS AS NOTED ON DRAWINGS AND REINFORCED WITH 6" X 6" X #10 WELDED WIRE MESH U.N.C.

REINFORCING STEEL NOTES:

- INSTALL ALL REINFORCING STEEL IN ACCORDANCE WITH THE C.R.S.I. "MANUAL OF STANDARD PRACTICE" U.N.C.
- REINFORCING STEEL DESIGN STRENGTH:

#6 & #8 REINFORCEMENT BAR: _____	A-615 GRADE 60
#9 REINFORCEMENT BAR AND LARGER: _____	A-615 GRADE 60
WELDED WIRE REINFORCING MESH: _____	ASTM A-185
FIELD WELDED REINFORCING STEEL: _____	ASTM A-796 GRADE 60
- BAR SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR CONCRETE BONDING.
- LAP ALL SPLICES 72 BAR DIAMETERS. LAP WELDED WIRE MESH IF UNLESS OTHERWISE DETAILED.
- REINFORCING STEEL SHALL HAVE CONCRETE COVER PROTECTION FOR REINFORCING BARS AS LISTED IN SECTION 7 OF ACI 318 UNLESS OTHERWISE DETAILED.
- DOWELS SHALL BE PROVIDED AT CONSTRUCTION JOINTS AND SHALL BE THE SAME SIZE AND SPACING AS THE REINFORCING SHOWN FOR THE SUBSEQUENT CONCRETE CONSTRUCTION, U.N.C.
- PROVIDE 30" HOOK INTO INTERSECTING WALL AT ALL WALL CORNERS FROM HORIZONTAL REINFORCEMENT UNLESS OTHERWISE DETAILED.



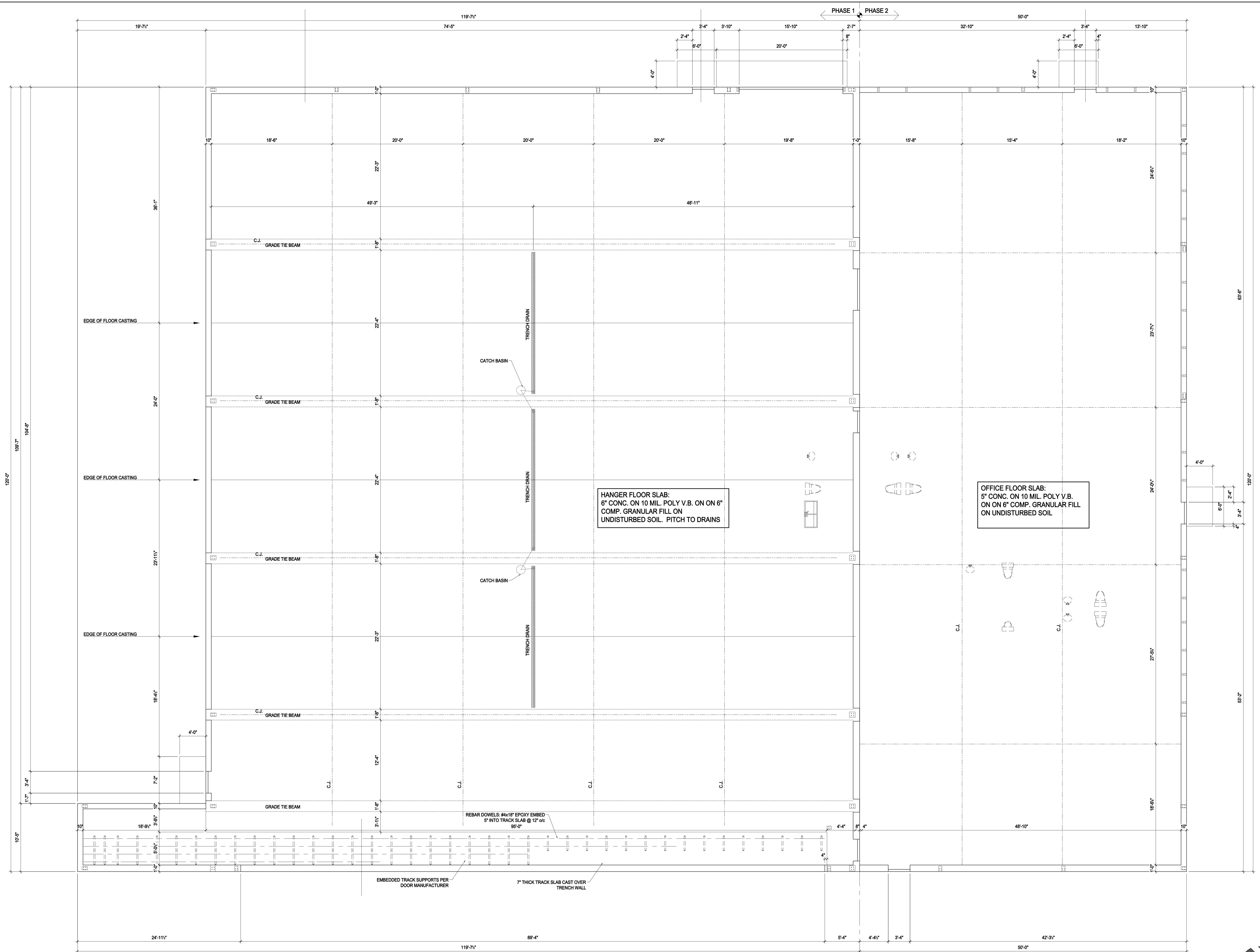
SPRING CITY JET CENTER
 2451 AVIATION RD., WAUKESHA WI 53188-6900

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REVIEW

REVISIONS	NUMBER	DESCRIPTION	DATE

Date: 12-03-2018
 Project: 2018-08-009
 Drawn by: KRG
 Checked by: MAP
 SHEET NUMBER

A1.0



HANGER FLOOR SLAB:
6" CONC. ON 10 MIL. POLY V.B. ON ON 6"
COMP. GRANULAR FILL ON
UNDISTURBED SOIL. PITCH TO DRAINS

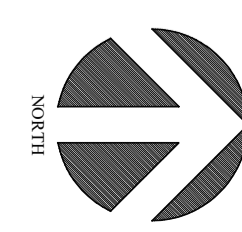
OFFICE FLOOR SLAB:
5" CONC. ON 10 MIL. POLY V.B.
ON ON 6" COMP. GRANULAR FILL
ON UNDISTURBED SOIL

REBAR DOWELS: #4x18" EPOXY EMBED
5" INTO TRACK SLAB @ 12" o/c
95'-0"

EMBEDDED TRACK SUPPORTS PER
DOOR MANUFACTURER

7" THICK TRACK SLAB CAST OVER
TRENCH WALL

OVERALL SLAB AND GRADE BEAM PLAN
SCALE: 3/16" = 1'-0"



PHASE 1 PHASE 2
SEE SHEET A1.4

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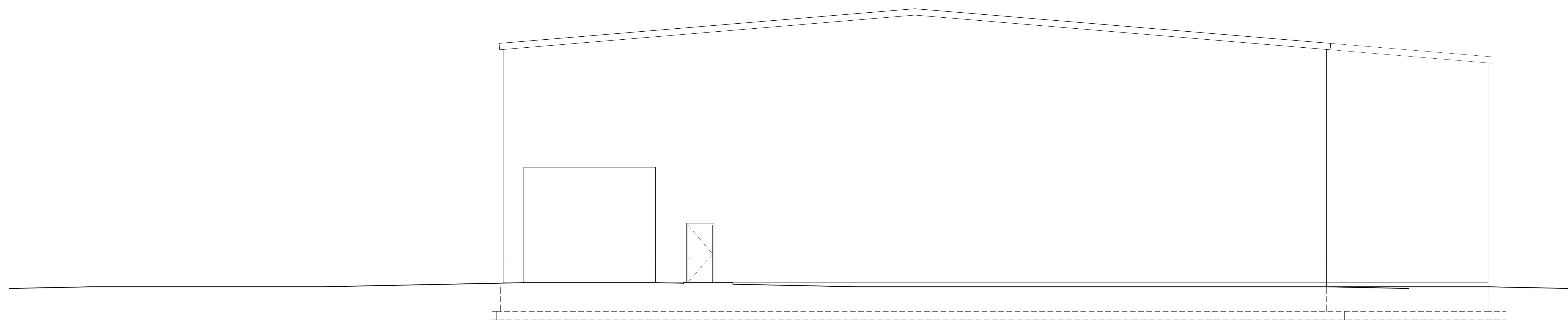
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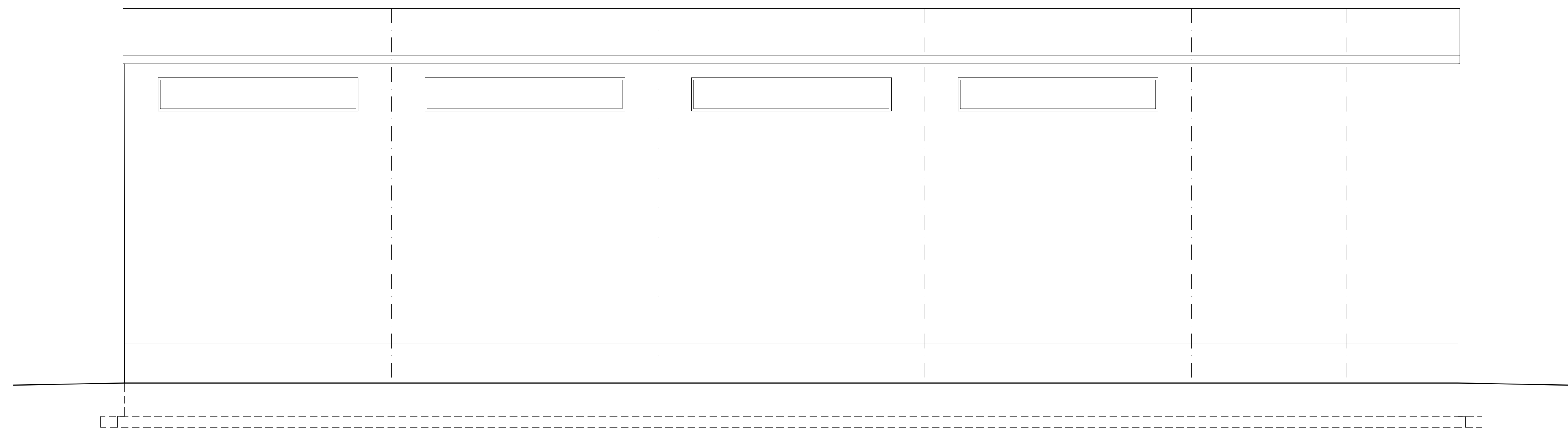
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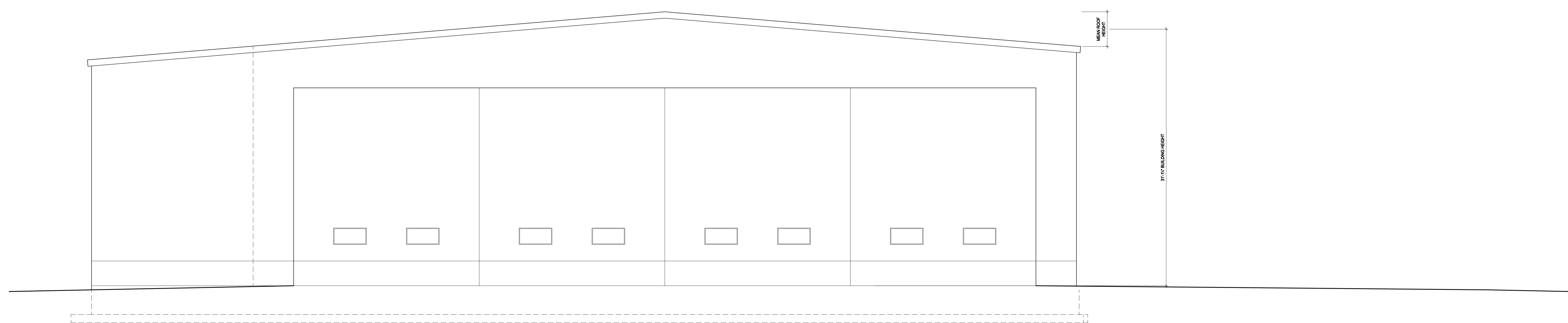
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WEST ELEVATION - PHASE 1
SCALE: 1/4" = 1'-0"



NORTH ELEVATION - PHASE 1
SCALE: 1/4" = 1'-0"



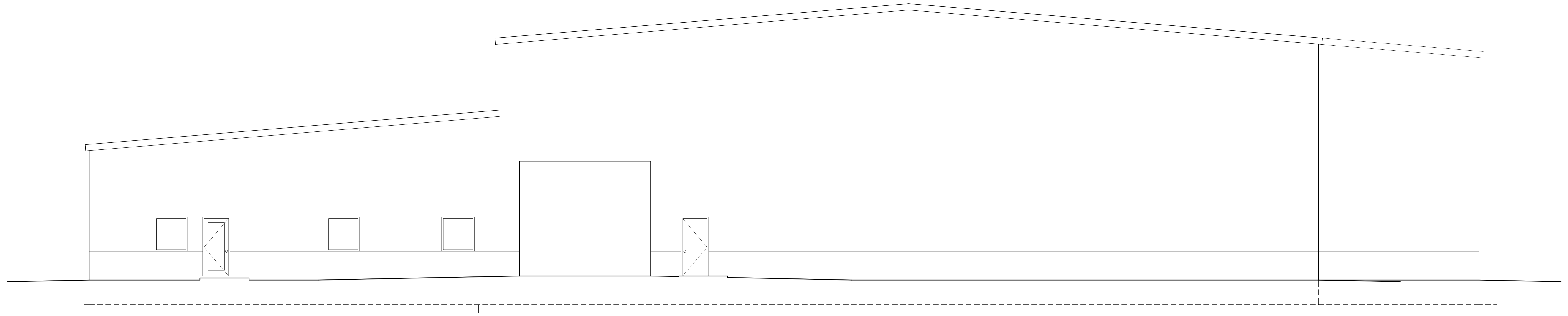
EAST ELEVATION - PHASE 1
SCALE: 1/4" = 1'-0"

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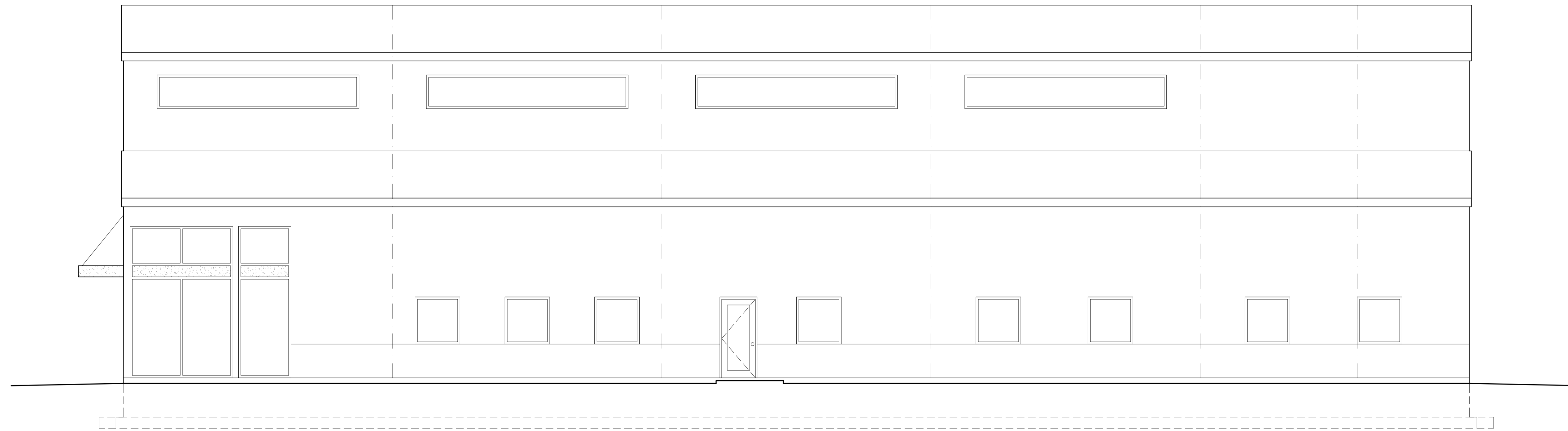
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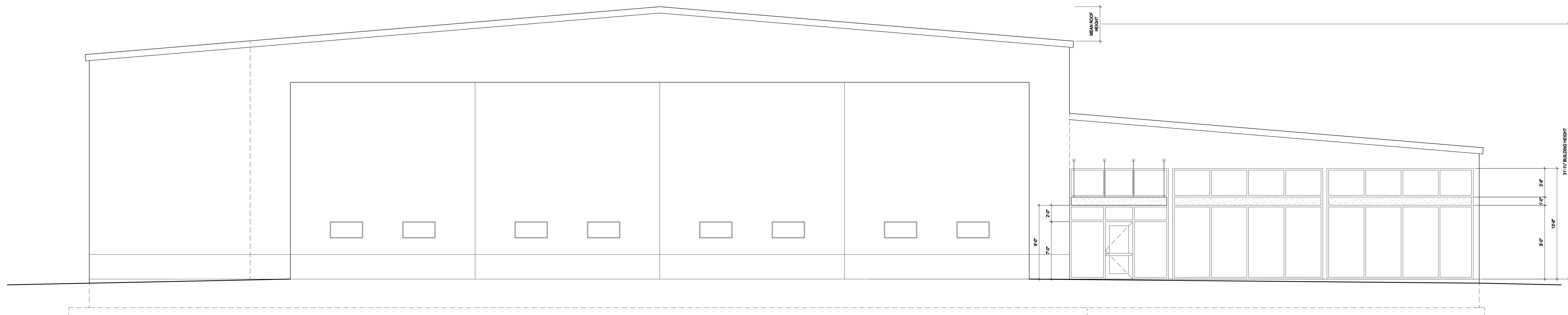
SHEET NUMBER
A2.1



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

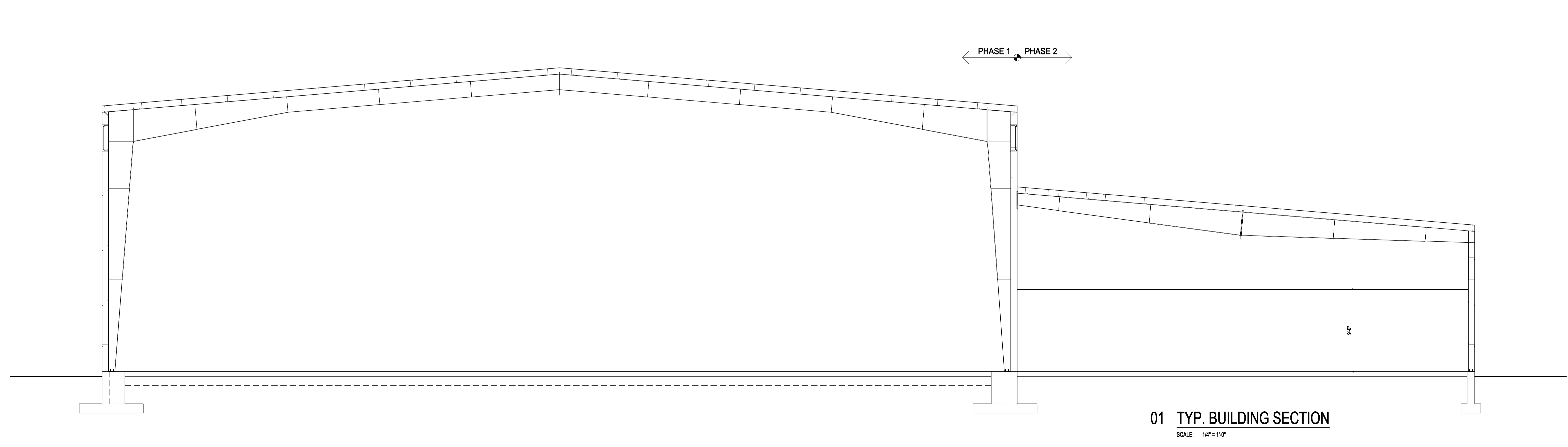
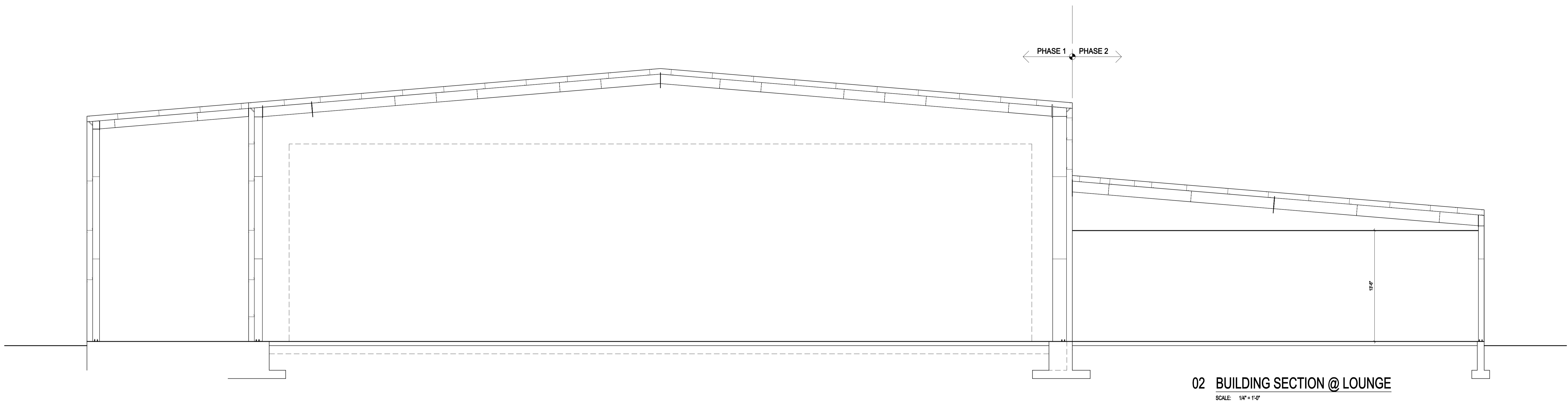
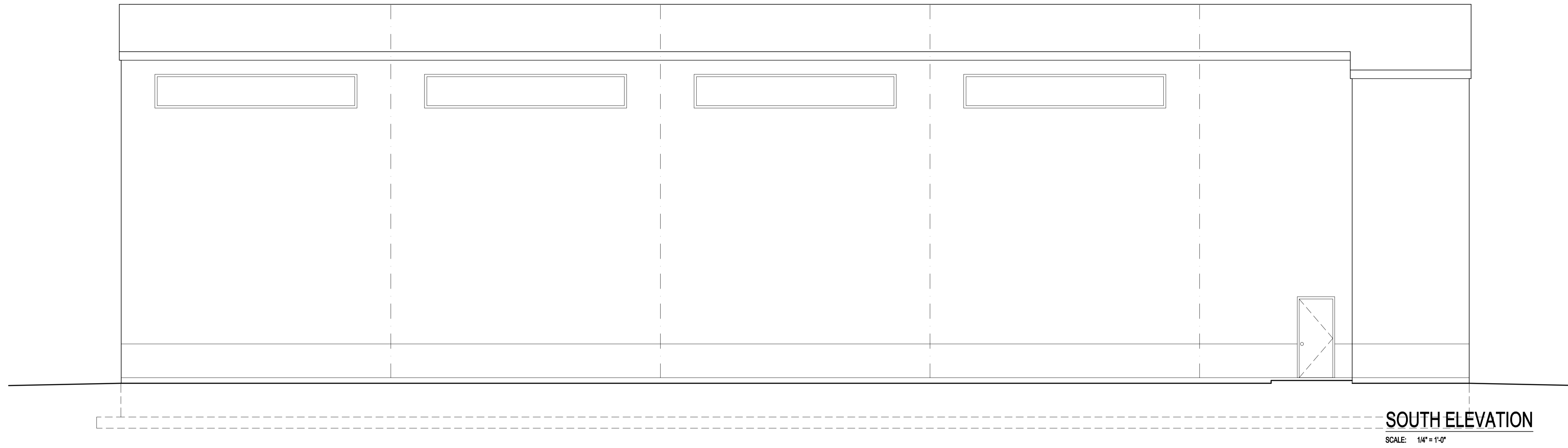


NORTH ELEVATION - PHASE 2
SCALE: 1/4" = 1'-0"



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

REVISIONS	DATE
NUMBER	DESCRIPTION



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