GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- ALL WORK IN THE RIGHT-OF-WAY AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, JURISDICTIONAL SPECIFICATIONS, AND APPROVED BY THE JURISDICTION HAVING AUTHORITY.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND
- PROPERTY LINES. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM
- THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES
- CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS. ANY REFERENCES TO THE TERMS OR ENTITY ABBREVIATIONS IN THE FOLLOWING NOTES AND SPECIFICATIONS
- SHALL BE UNDERSTOOD AS FOLLOWS: 9.1. "JURISDICTION " - THE LOCAL GOVERNMENTAL AGENCY (I.E., CITY, VILLAGE, TOWN, COUNTY, STATE, OR UTILITY SERVICE PROVIDER) HAVING AUTHORITY.
- "STATE HIGHWAY SPECIFICATIONS" STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION AND SUPPLEMENTS 9.3. "STANDARD SPECIFICATIONS" - STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN
- WISCONSIN, CURRENT EDITION AND SUPPLEMENTS 9.4. WISCONSIN DEPARTMENT OF TRANSPORTATION - "WISDOT"
- 9.5. WISCONSIN DEPARTMENT OF NATURAL RESOURCES "WDNR" 9.6. DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES - "DSPS" OR "SPS"

DEMOLITION NOTES

- THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE, "DIGGERS HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVEGROUND OBSERVATION. OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS. INSPECT THE SITE, AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION, ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
- CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION-RELATED DIRT. DUST. AND DEBRIS.
- ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. STUMPS MAY BE GROUND TO PROPOSED SUBGRADE IN GRASSED AREAS ONLY UNLESS DIRECTED BY ENGINEER.
- ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
- ABANDONED/REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF OFFSITE UNLESS OTHERWISE NOTED. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES THAT WERE DAMAGED BY THE CONSTRUCTION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO: 7.1. EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION VERIFY UTILITY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE
- PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED. NOTIFY ALL UTILITIES OWNER'S PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES. 73 NOTIFY THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION
- ANY UTILITIES THAT ARE DAMAGED BY THE CONTRACTORS SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE PRIVATE UTILITY REMOVAL/ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES PRIOR TO CONSTRUCTION
- 10. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED JURISDICTION'S RECYCLING PLAN. ANY CONTAMINATED SOILS ENCOUNTERED SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROPRIATE AND APPROVED LANDFILL
- ALL EXISTING UTILITIES SHALL BE FIELD LOCATED AND CLEARLY MARKED BY CONTRACTOR PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING UTILITY LINE LOCATION(S). CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING UTILITY LINE OPENINGS (ULO) TO CONFIRM LOCATIONS OR ELEVATIONS. AS REQUESTED BY THE ENGINEER.
- SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24 OF THE STANDARD SPECIFICATIONS AND JURISDICTIONAL SPECIFICATIONS. WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS AND
- JURISDICTIONAL SPECIFICATIONS ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENTS FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT DUST AND DEBRIS
- RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHALL BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION, AND REMOVAL, THIS INCLUDES CURB AND GUTTER, SIDEWALK, TOPSOIL, SEEDING, AND MULCHING.

CONSTRUCTION SEQUENCING

- INSTALL PERIMETER SILT FENCE, WATTLES, INLET PROTECTION, AND CONSTRUCTION ENTRANCE.
- STRIP AND STOCKPILE TOPSOIL AND INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
- ROUGH GRADE RETENTION POND AND INSTALL POND OUTLET
- CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES.
- COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS. ETC.
- PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
- RESTORE RETENTION POND (FINAL GRADE RETENTION POND PER PLAN REQUIREMENTS).
- EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% CONTIGUOUS VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL

PAVING NOTES

- PAVING SHALL CONFORM TO STATE HIGHWAY SPECIFICATIONS AND THE GEOTECHNICAL REPORT PREPARED BY IFIRM NAMEL ALL REFERENCES TO THE "GEOTECHNICAL REPORT" SHALL
- 1.2. ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIF ALL SPOT GRADES ARE TO EDGE OF PAVEMENT UNLESS SPECIFI 13 SURFACE PREPARATION - NOTIFY ENGINEER/OWNER OF UNSATI 14
- WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTE ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTT
- EXISTING AND MEET JURISDICTIONAL REQUIREMENTS. 2. CRUSHED AGGREGATE BASE COURSE SPECIFICATIONS
- THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SEC SPECIFICATIONS
- 2.2. RECLAIMED OR RECYCLED ASPHALT MAY NOT BE USED AS (SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD. USI MATERIAL MUST FIRST BE APPROVED BY ENGINEER OF RECORD
- DO NOT PLACE BASE ON FROZEN FOUNDATIONS UNLESS THE EN 2.4. DO NOT PLACE BASE ON FOUNDATIONS THAT ARE SOFT, SPONG
- HOT MIXED ASPHALT (HMA) PAVING SPECIFICATION THE PLACING, CONSTRUCTION, AND COMPOSITION OF THE BAS BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS SPECIFICATIONS
- 3.2. WEATHER LIMITATIONS 3.2.1. DO NOT PLACE HMA WHEN BASE IS WET OR CONTAINS EXCE 3.2.2. DO NOT PLACE ASPHALTIC MIXTURE WHEN THE AIR TEMPER
- SHADE. AND AWAY FROM ARTIFICIAL HEAT SOURC ENGINEER-ACCEPTED COLD WEATHER PAVING PLAN IS IN EF 3.2.3. PLACE ASPHALTIC MIXTURE ONLY ON A PREPARED, FIRM, A
- EXISTING PAVEMENT SUBSTANTIALLY SURFACE-DRY AND FF PLACE OVER FROZEN SUBGRADE OR BASE, OR WHERE THE F
- APPLY TACK COAT ONLY WHEN THE AIR TEMPERATURE APPROVES OTHERWISE IN WRITING. ALL ASPHALT (BOTH UPPER AND LOWER LAYERS) SHALL TEMPERATURE NOT LOWER THAN 250°F
- 3.3. CONTRACTOR SHALL ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION BINDER COURSE AGGREGATE:
- 3.4.1. THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTION 460 OF THE STATE HIGHWAY SPECIFICATIONS SURFACE COURSE AGGREGATE
- 3.5.1. THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460 AND 465 OF THE STATE HIGHWAY SPECIFICATIONS. ASPHALTIC MATERIALS

SPECIFICATIONS.

- THE STATE HIGHWAY SPECIFICATIONS. CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS. 4.3. CONTRACTOR SHALL PROVIDE A JOINTING PLAN TO ENGINEER IF NOT INCLUDED IN THE PLANS. CONTRACTOR
- EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 15' 4.4. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 100' APART.
- PLACE EXPANSION JOINTS IN CURB. GUTTER, OR CURB AND GUTTER CONSTRUCTED NEXT TO ASPHALTIC 45 PAVEMENT OR SURFACING. LOCATE JOINTS EVERYWHERE THAT TANGENT AND RADIAL CURB OR CURB AND GUTTER MEET; ON EACH SIDE OF EVERY INLET 3' FROM THE INLET, BUT NO CLOSER THAN 6' FROM ANOTHER JOINT; AND ON TANGENT SECTIONS PLACE BETWEEN 6' AND 300'.
- CONSTRUCTED WITH EXPANSION JOINTS, THEN PLACE EXPANSION JOINTS TO MATCH THE EXPANSION JOINT LOCATIONS IN THE PAVEMENTS.
- WEAKNESS AT LEAST 2" DEEP IN THE CURB, GUTTER, OR CURB AND GUTTER DIRECTLY OPPOSITE CONSTRUCTION OR CONTRACTION JOINTS IN ADJOINING CONCRETE PAVEMENT AND AT THE REQUIRED
- SPACING IN CURB, GUTTER, OR CURB AND GUTTER ADJOINING ASPHALTIC PAVEMENT. SPACE JOINTS BETWEEN 6' AND APPROXIMATELY 20' APART. AS THE ENGINEER DIRECTS. 4.8. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED. 49
- PAVEMENT MARKING SPECIFICATIONS ALL PARKING STALL LINES SHALL BE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT.
- ALL PAVEMENT MARKINGS INCLUDING STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL
- LATEX PAINT PER SPECIFICATIONS.
- SEEDING AND RESTORATION NOTES
- 1. CONTRACTOR SHALL PROVIDE NOTICE TO THE JURISDICTIONAL AUTH ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
- 2. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE
- CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDED AREAS THERE IS A 7-DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
- 4. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARILY SEEDED, MU
- ON THEM WITHIN 2 WEEKS OF DISTURBANCE. REFER TO STABILIZAT NOTES FOR FURTHER SPECIFICATIONS.
- 5. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES ALL STORMWATER MANAGEMENT FACILITIES JUST PRIOR TO SODDING AND/OR SEEDING AND MULCHING TO PROMOTE INFILTRATION.

STORMWATER FACILITIES CONSTRUCTION NOTES

- . ENGINEER SHALL BE NOTIFIED PRIOR TO INSTALLATION OF STORMWATER MANAGEMENT FACILITIES. CONTRACTOR SHALL PROVIDE ENGINEER DOCUMENTATION OF CONSTRUCTION OF STORMWATER FACILITIES INCLUDING GEOTECHNICAL NOTES ON EXISTING SOILS PHOTOGRAPHS OF EACH STAGE OF BASIN CONSTRUCTION LOAD TICKETS AND SPECIFICATION OF MATERIALS USED IN THE BASIN, AND ELEVATION OF CRITICAL ITEMS SUCH AS PIPES, EXCAVATIONS, DRAINAGE STONE BOTTOM, ETC.
- 2. ERECT CONSTRUCTION FENCING OR SNOW FENCING AROUND PROPOSED STORMWATER FACILITIES INTENDED TO INFILTRATE STORMWATER TO PROTECT THESE SOILS FROM DISTURBANCE AND COMPACTION. CONSTRUCTION TRAFFIC, HEAVY EQUIPMENT, AND SOIL STOCKPILES SHALL NOT BE PLACED IN AREAS WHERE PROPOSED INFILTRATE AREAS ARE LOCATED
- 3. STORMWATER MANAGEMENT FACILITIES FOR INFILTRATION SHALL BE INSTALLED AFTER SUBSTANTIAL COMPLETION OF FINAL SITE GRADING AND SOILS HAVE BEEN STABILIZED.
- 4. TEMPORARY SEDIMENT BASINS SHALL BE REMOVED IN THEIR ENTIRETY AFTER CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES. PERMANENT STORMWATER BASINS USED AS TEMPORARY SEDIMENT BASINS SHALL BE
- 5. REFER TO PROJECT DETAILS FOR FURTHER INFORMATION AND SPECIFICATIONS FOR THE CONSTRUCTION OF THE STORMWATER FACILITIES

DREDGED TO DESIGN DEPTH AFTER SITE IS STABILIZED.

- REQUIREMENTS.
- INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.

, APPLICABLE JURISDICTIONAL SPECIFICATIONS, TITLED ["REPORT TITLE"] , ISSUE DATE [DATE.] . BE UNDERSTOOD AS THE AFOREMENTIONED
FIED OTHERWISE. IED OTHERWISE. SFACTORY CONDITIONS. DO NOT BEGIN PAVING ED AND ARE READY TO RECEIVE PAVING. ER, PAVEMENT, OR SIDEWALK SHALL MATCH
CTIONS 301 AND 305 OF THE STATE HIGHWAY
CRUSHED AGGREGATE BASE COURSE UNLESS E OF ANY OTHER REPROCESSED OR BLENDED
IGINEER APPROVES OTHERWISE. Y, OR COVERED BY ICE OR SNOW.
SE COURSE AND HMA SURFACE COURSE SHALL 150, 455, 460, AND 465 OF THE STATE HIGHWAY
ESS MOISTURE. RATURE IS APPROXIMATELY 3' ABOVE GRADE, IN ES IS LESS THAN 40°F UNLESS A VALID FFECT. ND COMPACTED BASE, FOUNDATION LAYER, OR REE OF LOOSE AND FOREIGN MATERIAL. DO NOT ROADBED IS UNSTABLE. E IS 32°F OR MORE UNLESS THE ENGINEER
BE DELIVERED TO THE PROJECT SITE AT A

3.6.1. THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTIONS 455, 460, AND 465 OF THE STATE HIGHWAY

<u>NCRETE PAVING SPECIFICATIONS:</u> CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 405, 415, AND 416 OF

SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN

4.6. IF CONSTRUCTING CURB, GUTTER, OR CURB AND GUTTER NEXT TO, OR ON, CONCRETE PAVEMENT FOR CURB AND GUTTER, FORM CONTRACTION JOINTS BY SAWING OR FORMING AN INDUCED PLANE OF

CONTRACTOR SHALL INSTALL TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS AS SPECIFIED ON PLANS AND IN ACCORDANCE WITH STATE AND FEDERAL REQUIREMENTS.

LINES, ADA STALL MARKINGS, NO PARKING ZONES, AND DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH

HORITIES IN ADVANCE OF ANY SOIL DISTURBING
MULCHED IMMEDIATELY FOLLOWING GRADING
S DURING THE SUMMER MONTHS WHENEVER
ULCHED, OR OTHER MEANS OF COVER PLACED ZATION PRACTICES IN THE EROSION CONTROL

UTILITY NOTES

1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGERS HOTLINE" PRIOR TO ANY CONSTRUCTION.

- 2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR: 2.1. EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS.
- ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION 2.2. OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES
- REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY. VERIFYING ALL FLEVATIONS LOCATIONS AND SIZES OF SANITARY WATER AND STORM LATERALS AND CHECK 23 ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE
- PERFORMED UNTIL THE DISCREPANCY IS RESOLVED. 2.4. NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS. NOTIFYING THE DESIGN ENGINEER AND JURISDICTIONAL AUTHORITY 48 HOURS PRIOR TO THE START OF
- 25 CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION. COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS

AND PLANS PREPARED BY OTHERS. 3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC UTILITIES AND STATE DSPS/SPS AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE JURISDICTIONAL AUTHORITIES.

- 4. SPECIFICATIONS SHALL COMPLY WITH THE JURISDICTIONAL AUTHORITY'S SPECIAL PROVISIONS.
- 5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
- 7. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.
- 8. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION. 9. ALL NON-METALLIC UTILITY PIPES (SANITARY SEWER, STORM SEWER, AND WATER PIPING) SHALL BE INSTALLED IN CONJUNCTION WITH TRACER WIRE AS REQUIRED BY SPS 382.30(11)(H), SPS 382.36(7)(C)10., AND SPS 382.40(8)(K).
- COLOR OF TRACER WIRE SHALL BE: SANITARY SEWER GREEN, STORM SEWER BROWN, WATER BLUE, NON-POTABLE WATER - PURPLE. 10. DRY UTILITIES (COMMUNICATION, TELEPHONE, GAS, ELECTRIC, ETC.) ARE SHOWN FOR GENERAL ROUTING ONLY.
- CONTRACTOR SHALL COORDINATE DESIGN AND FINAL LOCATION WITH APPROPRIATE UTILITY COMPANY. 11. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
- 12. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE JURISDICTIONAL AUTHORITY'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE INSTALLED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED. IF REQUIRED, ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
- 14. IN ANY LOCATIONS WHERE BUILDING SEWERS (STORM AND SANITARY) ARE INSTALLED WITH LESS THAN THE MINIMUM COVER AS SPECIFIED IN SPS 382.30(11)(c) OR WATER PIPING 382.40(8)(a), CONTRACTOR SHALL INSTALL INSULATION IN ACCORDANCE WITH SPS 382.30(11)(c)2. FOR PROTECTION FROM FROST. 5. STORM SEWER SPECIFICATIONS:
- 15.1.1. REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM CLASS III (MINIMUM) C76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C443. 15.1.2. HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE (HDPE) - SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATERTIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M294 TYPE "S"
- 15.1.3. POLYVINYL CHLORIDE (PVC) SHALL MEET REQUIREMENTS OF ASTM D3034, SDR 35 FOR PIPE SIZES 8"-15" WITH INTEGRAL BELL TYPE FLEXIBLE ELECTROMETRIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D3212. ASTM 1785 SCHEDULE 40 FOR PIPE DIAMETERS 4"-6". SDR 35 SHALL BE USED FOR DEPTHS 3'-15' AND SDR 26 FOR DEPTHS 16'-25' DEPENDENT ON LOCAL JURISDICTION. 15.2. INLETS AND CATCH BASINS:
- 15.2.1. INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 3.6.3 AND DETAIL DRAWINGS FILE. NO. 28 OR 29 OF THE STANDARD SPECIFICATIONS, OR APPROVED EQUAL WITH A 2'X3' MAXIMUM OPENING. 15.2.2. POLYVINYL CHLORIDE (PVC) INLETS BY NYLOPLAST ONLY WHEN SPECIFIED ON PLANS, CONFORMING TO ASTM D1781, ASTM D3212, ASTM F477, AND MANUFACTURER'S REQUIREMENTS. REFER TO PLANS FOR LID OR GRATE SPECIFICATION.
- 15.2.3. FRAME AND GRATE/LIDS: CURB FRAME AND GRATES SHALL BE NEENAH R-3067 WITH TYPE "R" GRATE OR EQUAL, UNLESS AS 15.2.3.1. SPECIFIED IN THE PLANS 15.2.3.2. SOLID LID FRAME AND GRATES SHALL BE NEENAH R-1550, HEAVY DUTY NON-ROCKING SOLID LID OR EQUAL, UNLESS AS SPECIFIED IN THE PLANS. GRATE FRAME AND GRATES SHALL BE NEENAH R-1550, HEAVY DUTY WITH A R-2578 GRATE OR EQUAL UNLESS AS SPECIFIED IN THE PLANS. 15.2.4. MANHOLES:
- 15.2.4.1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 3.5.0 AND DETAIL DRAWINGS FILE NO. 11 AND/OR 12 OF THE STANDARD SPECIFICATIONS. MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1550. HEAVY DUTY NON-ROCKING SOLID LID OR 15.2.3.2. EQUAL. UNLESS AS SPECIFIED IN THE PLANS. 15.3. BACKFILL AND BEDDING
- STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED 1531 AREAS AND TO A POINT 5' BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5' FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 15.3.2 8.43.5 OF THE STANDARD SPECIFICATIONS. 15.4. FIELD TILE CONNECTIONS
- 15.4.1. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.
- 16. WATER MAIN & WATER LATERAL SPECIFICATIONS 16.1.1. DUCTILE IRON PIPE SHALL BE CLASS 52 CONFORMING TO AWWA C151 AND CHAPTER 8.18.0 OF THE STANDARD SPECIFICATIONS 16.1.2. POLYVINYL CHLORIDE PRESSURE PIPE (PVC) SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C900 DR14 (CLASS 305) FOR SIZES UP TO 4" AND AWWA C900 DR18 (CLASS 235) UP TO 30".WITH INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS. 16.1.3. COPPER TYPE K TUBING SHALL CONFORM TO ASTM DESIGNATION B88 FOR WATER SERVICES LESS THAN 2" IN DIAMETER 16.1.4. HIGH DENSITY POLYETHYLENE (HDPE) SHALL CONFORM TO THE REQUIREMENTS OF AWWA C901. SDR 9 MINIMUM FOR SIZES UP TO 3" AND TO AWWA C906, SDR 17 MINIMUM FOR SIZES GREATER THAN 3". 17.2. VALVES AND VALVE BOXES: 17.2.1. GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C500 AND CHAPTER 8.27.0 OF THE STANDARD SPECIFICATIONS. 17.2.2. CURB STOPS AND CORPORATION VALVES SHALL BE AWWA C800 AND ASTM B62, AND CONFORM TO ANY LOCAL JURISDICTIONAL REQUIREMENTS 17.3. WATER SERVICES CONNECTIONS 17.3.1. SERVICES 2" IN DIAMETER OR LESS SHALL USE A TAP SERVICE WITH A CORPORATION STOP AND CURB STOP VALVE WITH SERVICE BOX PER JURISDICTIONAL REQUIREMENTS 17.3.2. SERVICES GREATER THAN 2" IN DIAMETER SHALL USE A TAPPING SLEEVE OR CUT-IN TEE CONNECTION WITH VALVE OF EQUIVALENT PIPE DIAMETER AND VALVE BOX PER JURISDICTIONAL REQUIREMENTS. 17.4. HYDRANTS: 17.4.1. HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL AUTHORITIES THE
- DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18 " AND NO GREATER THAN 23"(SEE DFTAIL) 17.5 JOINT RESTRAIN 17.5.1. WHERE SPECIFIED, DUCTILE IRON PIPE SHALL INCLUDE MECHANICAL JOINTS CONFORMING TO CHAPTER 4.4.2(b) OF THE STANDARD SPECIFICATIONS. POLYETHYLENE WRAP SHALL BE USED AROUND ALL MECHANICAL CONNECTIONS.
- 17.6 BEDDING AND COVER MATERIAL 17.6.1. PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE STANDARD SPECIFICATIONS. 17.6.2. BURY DEPTH SHALL CONFIRM TO LOCAL JURISDICTION REQUIREMENTS, OR DSPS REQUIREMENTS AT A MINIMUM, WHERE THERE IS NO LOCAL JURISDICTION REQUIREMENTS. 17.7 BACKELL
- 17.7.1. BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTERS 2.6.0 AND 4.17.0 OF THE STANDARD SPECIFICATIONS. GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5' BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5' FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL 17.7.2. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE STANDARD SPECIFICATIONS. 18. SEPARATION DISTANCES
- WHERE PRIVATE WATER MAIN OR WATER SERVICES CROSSES A SANITARY SEWER OR SANITARY LATERAL, THE WATER PIPE WITHIN 5 FEET OF THE CROSSING SHALL BE INSTALLED WITH THE FOLLOWING: •• WATER PIPING SHALL BE INSTALLED AT LEAST 12 INCHES ABOVE THE TOP OF SANITARY PIPING •• WATER PIPING SHALL BE INSTALLED AT LEAST 18 INCHES BELOW THE BOTTOM OF SANITARY PIPING. 9. SANITARY SEWER SPECIFICATIONS:
- POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D3212, ASTM 1785 SCHEDULE 40 FOR PIPE DIAMETERS 4"-6". SDR 35 SHALL BE USED FOR DEPTHS 3'-15' AND SDR 26 FOR DEPTHS 16'-25' DEPENDENT ON LOCAL JURISDICTION. 19.1.2. CONNECTION TO DISSIMILAR PIPE MATERIALS SHALL CONFORM TO CHAPTER 3.4.2 OF THE STANDARD SPECIFICATIONS. FERNCO COUPLER MAY BE USED WITH APPROVAL OF ENGINEER. 19.2 MANHOLES 19.2.1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 3.5.0 AND DETAIL DRAWINGS FILE NO'S. 12, 13 AND 15 OF THE STANDARD SPECIFICATIONS AND ALL SPECIAL PROVISIONS OF THE JURISDICTIONAL AUTHORITIES. 19.2.2. MANHOLES SHALL HAVE INTERNAL CHIMNEY SEALS INSTALLED IN ALL SANITARY MANHOLES IN ACCORDANCE WITH CHAPTER 3.5.4(F) AND DETAIL DRAWING FILE NO. 12A OF THE STANDARD SPECIFICATIONS. 19.2.3. MANHOLES SHALL HAVE ALL EXTERNAL JOINTS WRAPPED WITH MAC WARP OR EQUAL RUBBERIZED JOINT WRAP PER ASTM C923.
- 19.2.4. MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1550 HEAVY DUTY WITH NON-ROCKING SOLID LIDS OR EQUAL, UNLESS SPECIFIED IN THE PLANS. 19.3. BEDDING AND COVER MATERIAL 19.3.1. MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.43.2 (A). 19.3.2. MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO ENSURE
- ADEQUATE COMPACTION OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT." 19.4.1. MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE STANDARD SPECIFICATIONS, GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5' BEYOND THE
- EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5' FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKELL 19.4.2. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE STANDARD SPECIFICATIONS.

EROSION CONTROL NOTES

- ACCORDANCE WITH WDNR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. IT SHALL BE THE CONDITIONS
- INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE, AND DEVIATION OF THE APPROVED PLAN.
- 4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY JURISDICTIONS HAVING AUTORITY AND/OR
- ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
- ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5". ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
- THE TRACKING OF MUD OR DRY SEDIMENTOFF-SITE AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED
- JURISDICTIONAL AUTHORITIES.
- DEPOSITION WITHIN STORM SEWER SYSTEMS
- 12.2 12.3.
- 13. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING PER STATE HIGHWAY GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
- 14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
- OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS TO MAINTAIN THE SYSTEMS EFFECTIVENESS.

	CONSTR	ZATION MEASURES SHALL BE INITIATED AS RUCTION ACTIVITIES HAVE TEMPORARILY OR P TER THE CONSTRUCTION ACTIVITY IN THAT PO
	6.1.	THE INITIATION STABILIZATION MEASURES BY CEASED OR IS PRECLUDED BY SNOW COVER AS PRACTICABLE.
16	6.2.	CONSTRUCTION ACTIVITY WILL RESUME ON WHEN ACTIVITY CEASED (I.E., THE TOTA TEMPORARILY CEASED IS LESS THAN FOURT
16	5.3.	NOT HAVE TO BE INITIATED ON THAT PORTION ACTIVITY HAS TEMPORARILY CEASED. STABILIZATION MEASURES SHALL BE DETEL ACTIVITY HAS CEASED INCLUDING, BUT NOT I MEASURE MUST BE EFFECTIVE. THE FOLLOWI
	16.3.1.	PERMANENT SEEDING; IN ACCORDANCE V
	16.3.2.	TEMPORARY SEEDING; MAY CONSIST OF
		OR CEREAL RYE (150LBS./ACRE) IN FALL
	16.3.3.	HYDRO-MULCHING WITH A TACKIFIER
	16.3.4.	WOVEN AND NON-WOVEN GEOTEXTILES
	4005	

- EROSION MATTING 16.3.5. 1636 SODDING 16.3.7.
- ACCORDANCE WITH WDNR REQUIREMENTS AND/OR REQUEST FOR PERMIT CLOSURE IN ACCORDANCE WITH JURISDICTION PERMIT AND SPECIFICATION REQUIREMENTS.

GRADING AND EARTHWORK NOTES

- UNDERSTOOD AS THE AFOREMENTIONED REPORT
- ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL
- MATERIALS TO THE SPECIFIED DEPTHS.
- 5. CONTRACTOR SHALL NOT EXCAVATE BELOW ELEVATIONS OR DESIGN GRADES SHOWN ON THE DRAWINGS WITHOUT PRIOR AUTHORIZATION FROM ENGINEER AND OWNER
- REMOVED OR STRIPPED TOPSOIL SHALL BE SEGREGATED AND STOCKPILED ON-SITE IN AN APPROPRIATE LOCATION TO BE RESPREAD AS SPECIFIED ON THE DRAWINGS.
- PROVIDED BY OWNER OR ENGINEER. REPORT INCLUDING LIFT DEPTHS AND COMPACTION EFFORTS
- DIRECTION OF THE OWNER AND ENGINEER.
- SOIL MATERIAL SPECIFICATIONS FILL AND BACKFILL MATERIALS 10.2 IMPORTED FILL MATERIAL 10.2.1. MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR FROM OFFSITE BORROW AREAS WHEN SUFFICIENT,
- 10.3. GRANULAR FILL 10.3.1. MATERIAL SHALL CONSIST OF CLEAN MATERIAL MEETING THE REQUIREMENTS OF "GRADE 1" OR "GRADE 2"
- 10.4. BUILDING STRUCTURAL FILL

1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE

EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. 2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN

CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL FROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD.

EXISTING INLET PROTECTION) PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE COVER. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD. CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE JURISDICTIONAL AUTHORITIES PRIOR TO

ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES

CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRE-APPROVED BY THE JURISDICTION. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" SELECTED CRUSHED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT

8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT, AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE

9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLETS OF ALL INSTALLED STORM SEWER. STONE DITCH CHECKS FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT

10 INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES IF STOCKPILE REMAINS UNDISTURBED. FOR MORE THAN SEVEN (7) DAYS TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER." 11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER

COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION. 12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.): 12.1 PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH BACKFILL. COMPACT. AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.

DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE WDNR DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM. OR DRAINAGE DITCH.

SPECIFICATIONS OR APPLICATION OF A WISDOT APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF. AS REQUIRED WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE, DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II. TYPE B EROSION MATTING PER STATE HIGHWAY SPECIFICATIONS. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S

15. A CONCRETE WASHOUT AREA SHALL BE DESIGNATED ONSITE. CONTRACTOR SHALL USE PRE-MANUFACTURED ABOVE GROUND WASHOUT TOTE OR EQUIVALENT CONTAINMENT AREA FOR ALL CONCRETE WASTE. CONCRETE WASTE SHALL ONLY BE CONTAINED IN ABOVE GROUND PRE-FABRICATED CONTAINERS OR CONSTRUCTED CONTAINMENT AREA AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FREQUENTLY DISPOSE OF

> ALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE YE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL ON ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS: IZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS JDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON

> TY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM SED (I.E., THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS IS LESS THAN FOURTEEN (14) DAY). IN THAT EVENT, STABILIZATION MEASURES DO TED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ARILY CEASED. IRES SHALL BE DETERMINED BASED ONSITE CONDITIONS WHEN CONSTRUCTION INCLUDING. BUT NOT LIMITED TO. WEATHER CONDITIONS AND LENGTH OF TIME THE ECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES: NG; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION ING: MAY CONSIST OF SPRING OATS(100LBS.ACRE) IN SPRING/SUMMER OR WHEAT 50LBS (ACRE) IN FALL WITH A TACKIFIER

OTHER MEASURES AS APPROVED BY THE ENGINEER

17. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A CONTIGUOUS DENSITY OF AT I FAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES. 18. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN

1. ALL SITE PREP AND EARTHWORK SHALL CONFORM TO THE GEOTECHNICAL REPORT PREPARED BY [FIRM NAME], TITLED ["REPORT TITLE"], ISSUE DATE [DATE]. ALL REFERENCES TO THE "GEOTECHNICAL REPORT" SHALL BE

AREAS DRAIN PROPERLY. AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST-EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS. INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE

4. ALL EXCAVATIONS AND FILLS SHALL BE TO THE ELEVATIONS SHOWN ON THE DRAWINGS AND SHALL INCLUDE SUFFICIENT DEPTHS FOR PLACEMENT OF FILL MATERIALS, BASE COURSES, PAVEMENTS, TOPSOIL, AND OTHER

6. PRIOR TO ALL EXCAVATION OR FILLING OPERATIONS, CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TOPSOIL FROM PROPOSED LOCATIONS OF BUILDINGS, STRUCTURES, ROADS, WALKS, OTHER PAVED AREAS, STORM WATER FACILITIES OR WITHIN THE GRADING EXTENTS WHERE EXISTING GRADES ARE ALTERED BY MORE THAN 3".

7. CONTRACTOR SHALL NOT PLACE ANY FILL OR OTHER MATERIALS ON AREAS THAT HAVE NOT HAD TOPSOIL REMOVED, ARE FROZEN, SATURATED, OR YIELDING. CONTRACTOR SHALL NOTIFY OWNER OR ENGINEER IF SUBGRADE CONDITIONS ARE NOT SUITABLE FOR SUPPORTING FILL AND A FURTHER DETERMINATION SHALL BE

8. CONTRACTOR SHALL PLACE THE FILLS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL 9. PRIOR TO PLACEMENT OF BASE COURSE MATERIALS IN PAVEMENT OR HARD SURFACE AREAS OR CONDUCTING

EXCAVATION BELOW SUBGRADE (EBS) ELEVATIONS, CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER TO CONDUCT AN INSPECTION OF THE PREPARED SUBGRADE AND PROOF-ROLLING. PROOF-ROLLING SHALL BE CONDUCTED BY THE CONTRACTOR IN WITNESS OF THE OWNER AND ENGINEER OWNER AND ENGINEER SHALL DETERMINE IF AREAS OF EBS ARE REQUIRED. EBS SHALL BE COMPLETED BY THE CONTRACTOR PER THE

10.1.1. MATERIAL SHALL BE SATISFACTORY MATERIALS EXCAVATED FROM THE SITE, PER THE GEOTECHNICAL REPORT. IF SATISFACTORY MATERIALS ARE NOT AVAILABLE ONSITE OR ADDITIONAL MATERIALS ARE REQUIRED, REFER TO IMPORTED FILL MATERIAL SPECIFICATIONS.

SATISFACTORY MATERIALS ARE NOT AVAILABLE ONSITE. IMPORTED FILL MATERIAL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND CONSIST OF CLEAN MATERIAL OF INORGANIC SOILS OR A MIXTURE OF INORGANIC SOIL AND ROCK STONE OR GRAVEL THE MATERIAL SHALL BE FREE OF TOPSOIL VEGETATION PAVEMENT RUBBLE DEBRIS OR OTHER DELETERIOUS MATERIALS THE MAXIMUM NOMINAL DIMENSION OF MATERIALS CONSISTING OF ROCK, STONE, OR GRAVEL SHALL BE 6".

GRANULAR BACKFILL AS DEFINED IN SECTION 209.2.1 OF THE STATE HIGHWAY SPECIFICATIONS.

10.4.1. CLEAN MATERIAL MEETING THE REQUIREMENTS OF TYPE A "STRUCTURE BACKFILL" AS DEFINED IN SECTIONS 210.2.1 AND 210.2.2. OF THE STATE HIGHWAY SPECIFICATIONS AND GEOTECHNICAL REPORT .

- · - · · - · - EASEMENT LINE BUILDING OUTLINE - - - - BUILDING OVERHANG ---- BUILDING SETBACK LINE EDGE OF PAVEMENT . <u>A</u> <u>A</u> <u>A</u> <u>A</u> + + + + + + + + + + + + - - GRADE BREAK

LEGEND

PROPERTY LINE

RETAINING WALL _____Y____ FENCE

_ ╺┝┝┝┝┝┝┝┝

 \sim

W WATERMAIN

RIP-RAP EROSION MATTING

FG: XXX.XX



---- PAVEMENT SETBACK LINE STANDARD CURB AND GUTTER REJECT CURB AND GUTTER MOUNTABLE CURB AND GUTTER ASPHALT PAVEMENT HEAVY DUTY ASPHALT PAVEMENT CONCRETE PAVEMENT HEAVY DUTY CONCRETE PAVEMENT ------959------ PROPOSED 1 FOOT CONTOUR 960 PROPOSED 5 FOOT CONTOUR - - ·959· - EXISTING 1 FOOT CONTOUR DRAINAGE DIRECTION ------ STORMWATER MANAGEMENT AREA LIGHT POLE (REFER TO PHOTOMETRIC PLAN) ADA PARKING SIGN FLAG POLE BOLLARD BOLLARD WITH ADA PARKING SIGN BIKE RACK DEMOLITION - REMOVAL OF ASPHALT SURFACES DEMOLITION – REMOVAL OF CONCRETE SURFACES DEMOLITION - REMOVAL OF UTILITIES

DEMOLITION - REMOVAL OF LANDSCAPE BEDDING SAWCUT EXISTING PAVEMENT SANITARY SEWER

D STORM SEWER

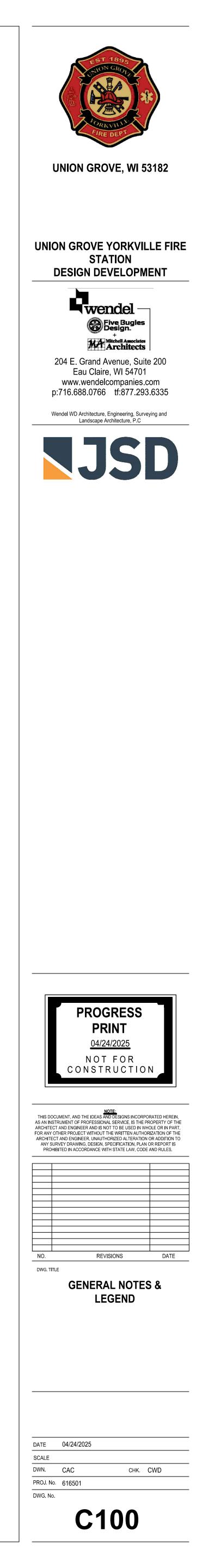
8'x4'x4" INSULATION (PLAN VIEW)

CONSTRUCTION ENTRANCE

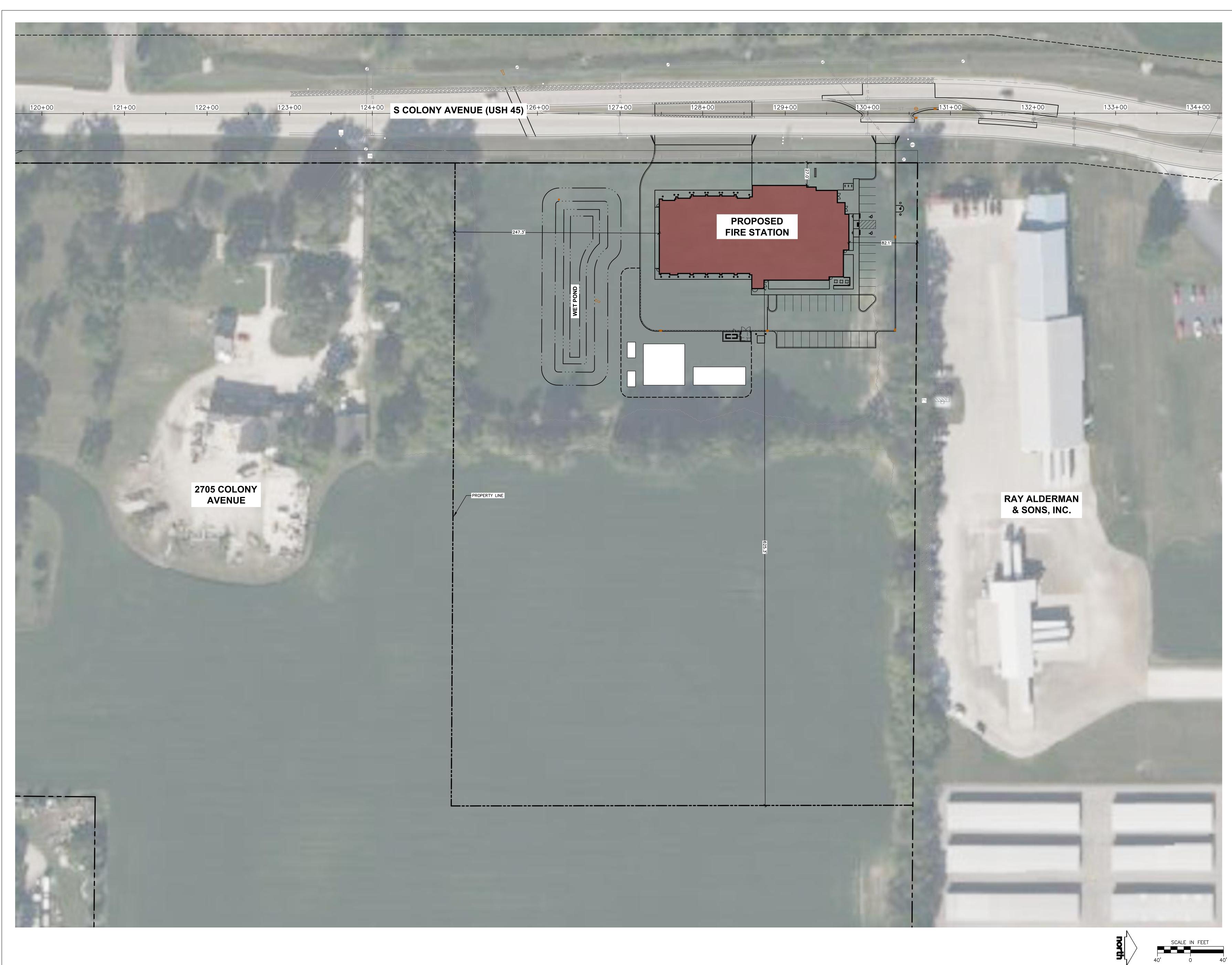
TURF REINFORCEMENT MATTING SPOT ELEVATION EP - EDGE OF PAVEMENT FG – FINISH GRADE EC – EDGE OF CONCRETE

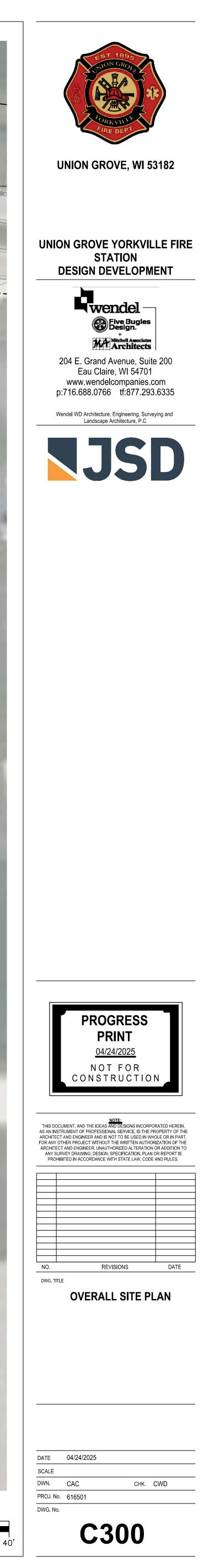
EX - MATCH EXISTING GRADE SW - SIDEWALK RIM - STRUCTURE RIM GRADE

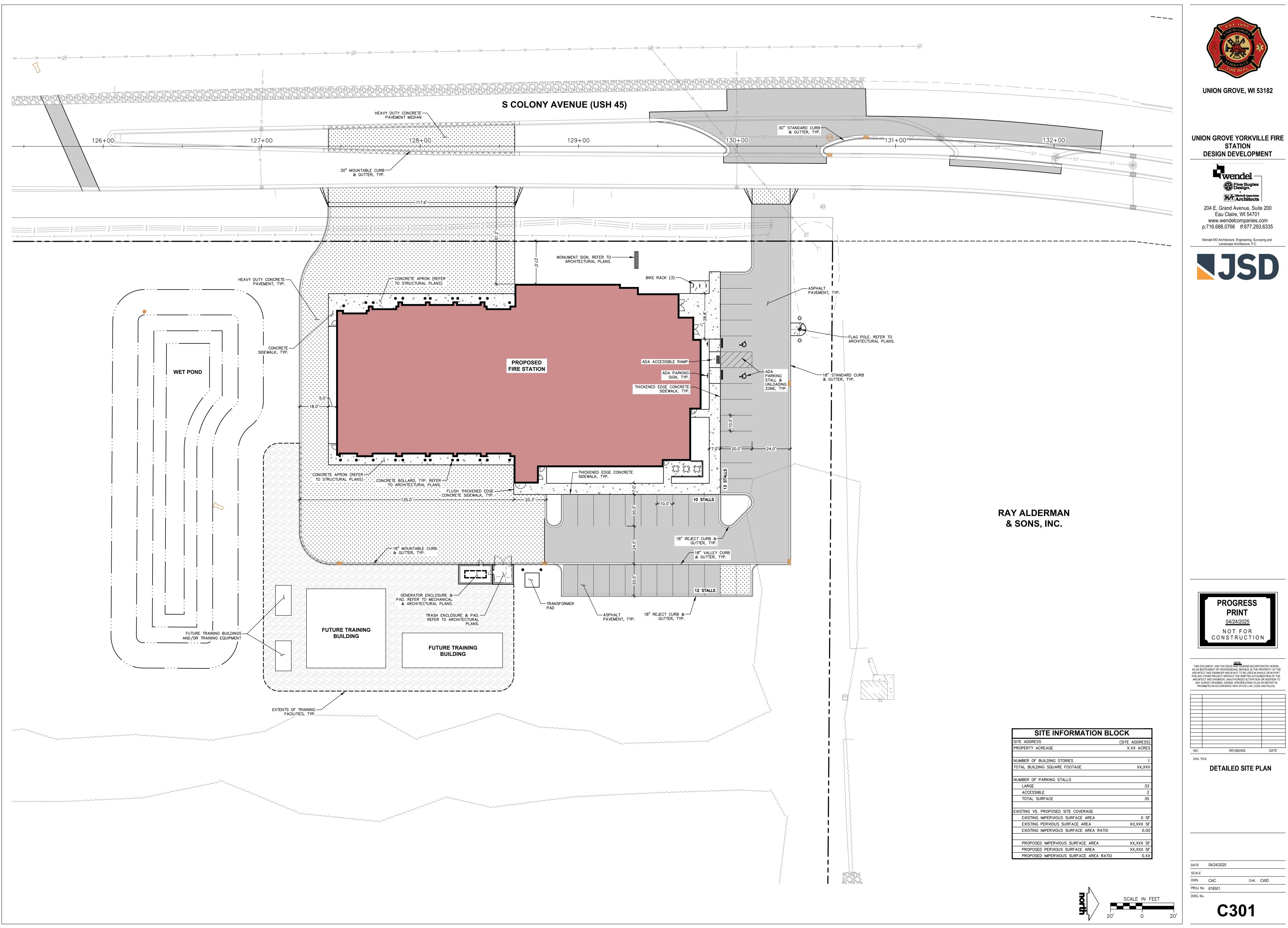
DITCH CHECK INLET PROTECTION



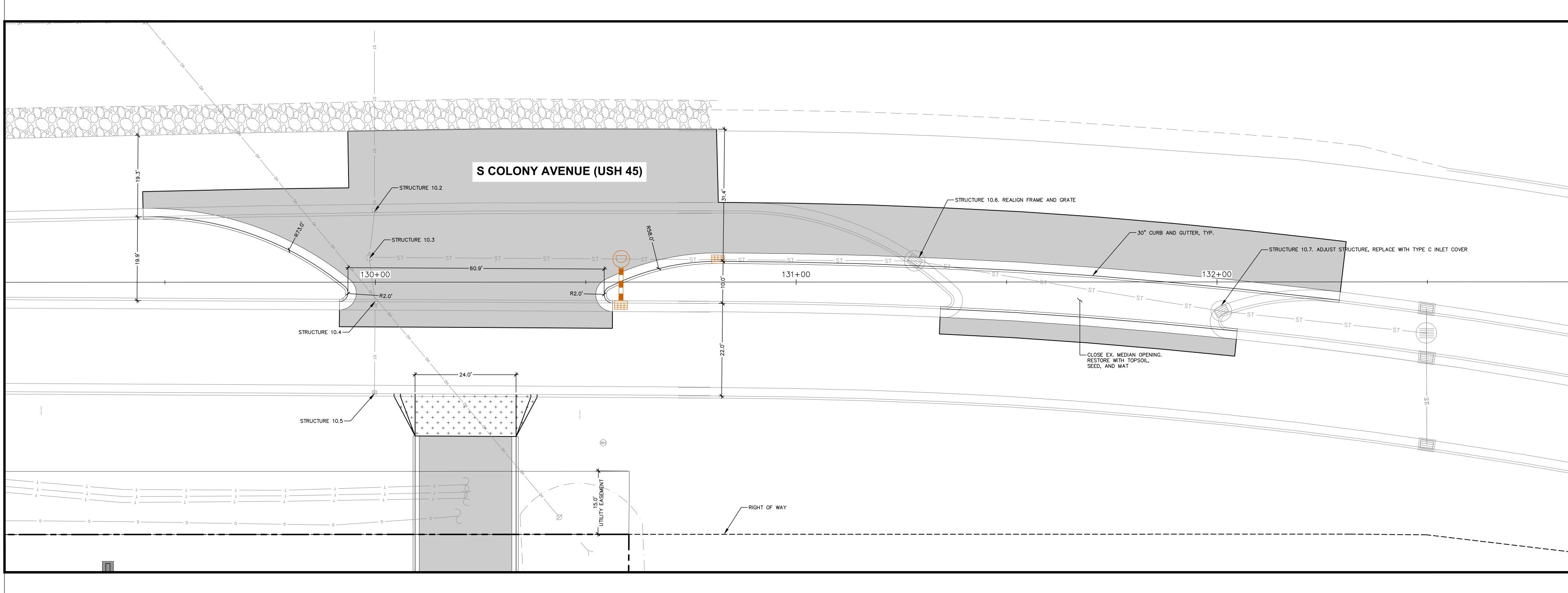


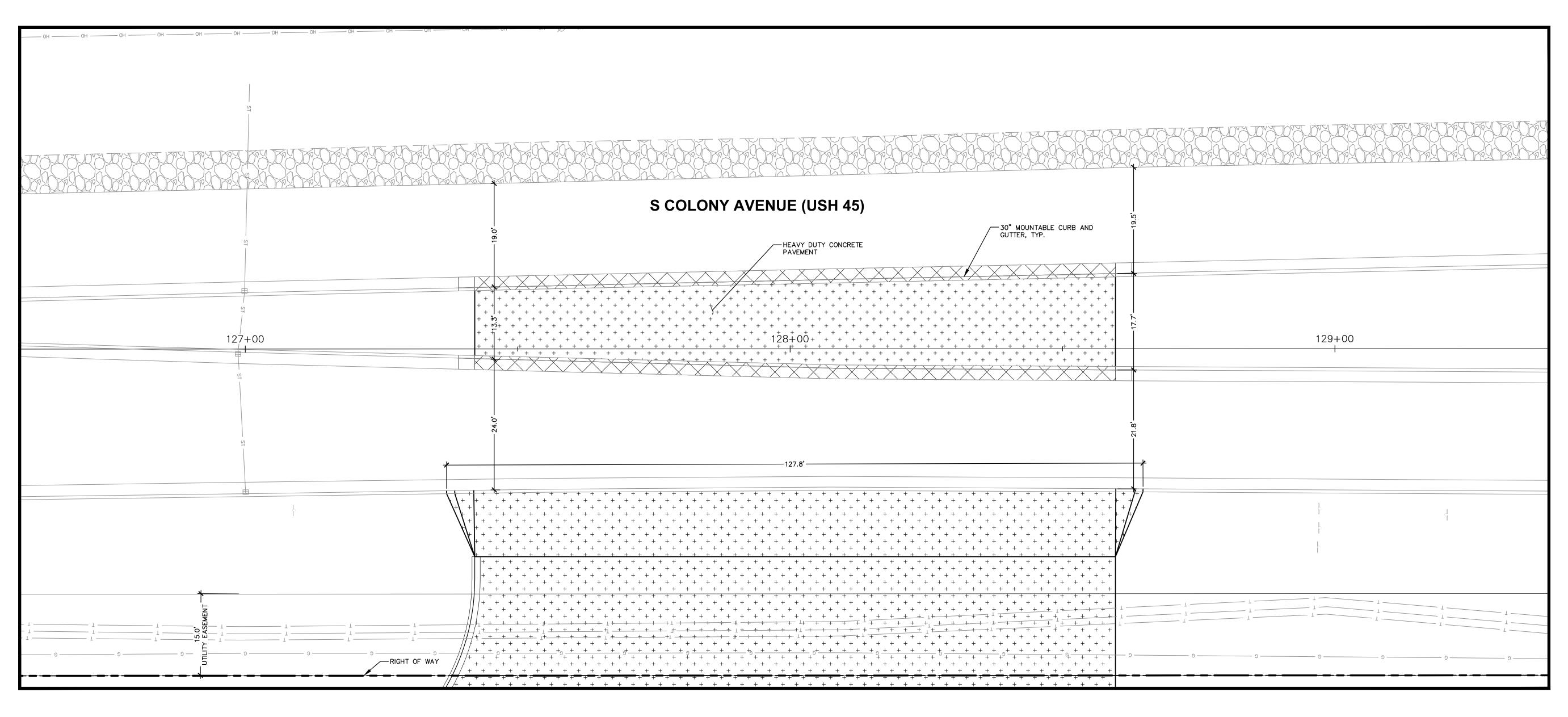






JSDINC/projects2/2024/2414019/DWG/Civil Sheets/2414019 - ConDocs.dwg Layout: C301 SITE User: courtney.cox Plotted: Apr 23, 2025 - 12:38p

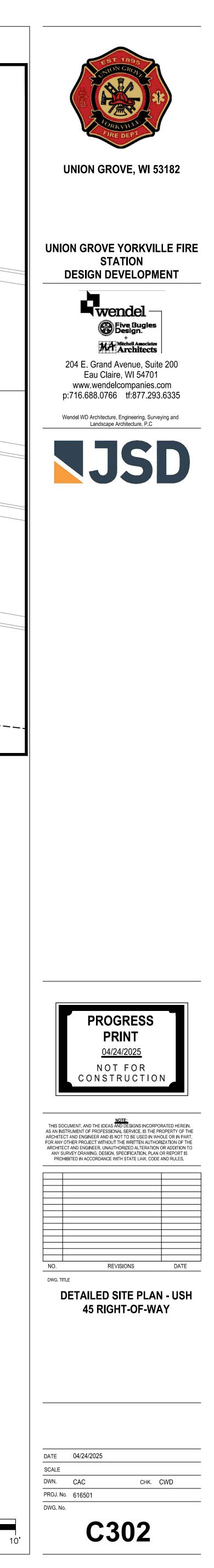


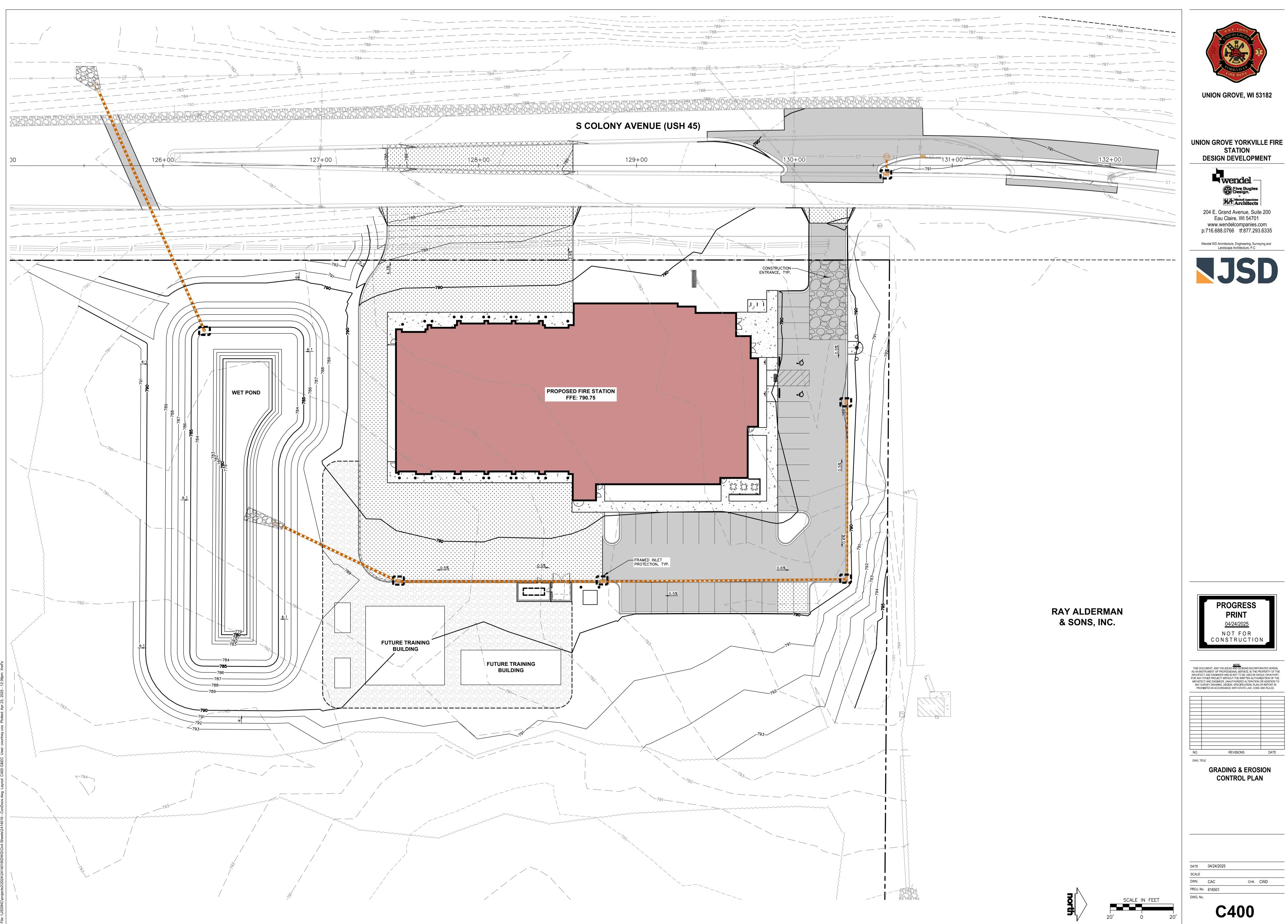


NORTH DRIVEWAY CONNECTION

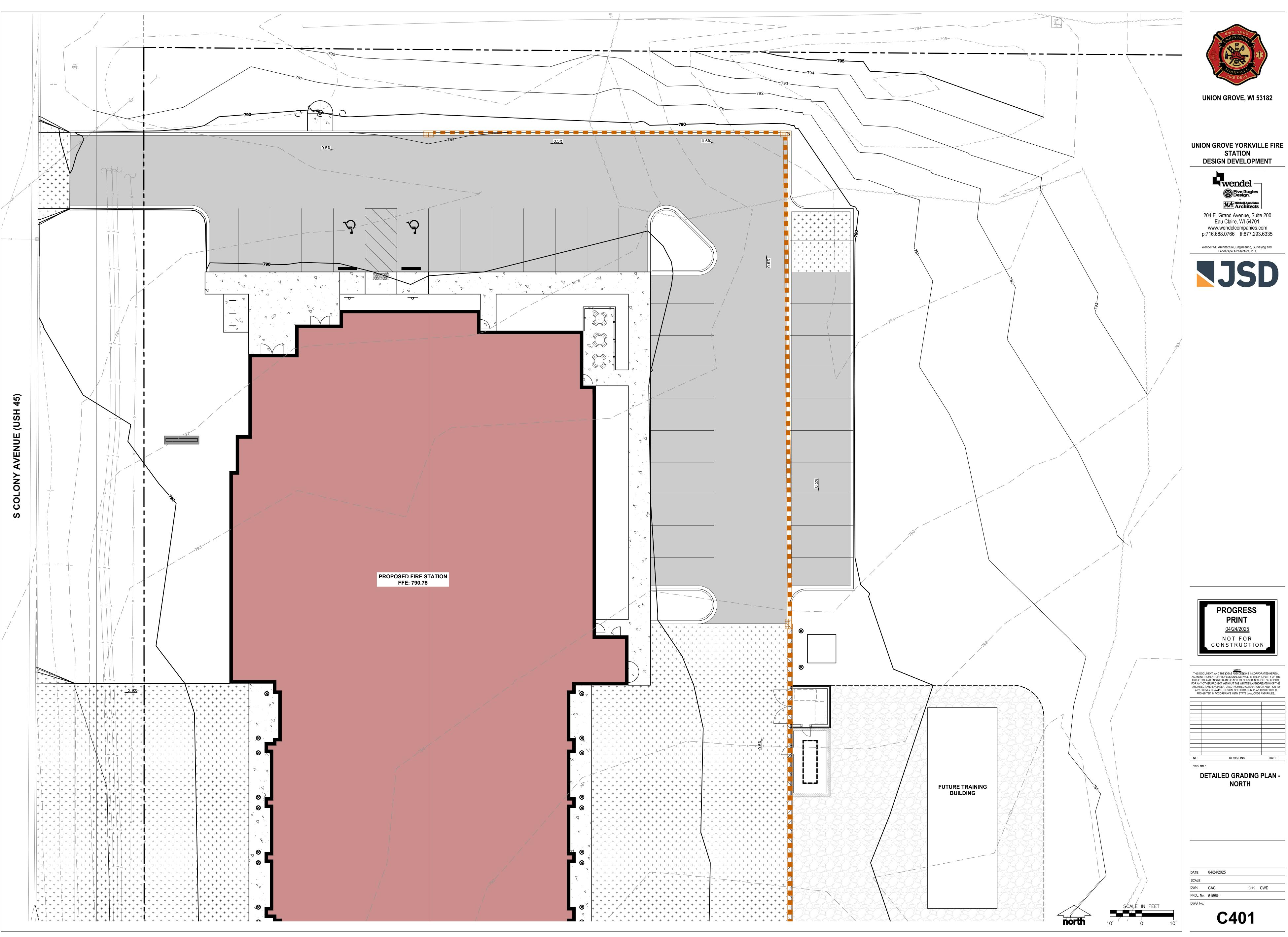
SOUTH DRIVEWAY CONNECTION (APPARATUS BAYS)

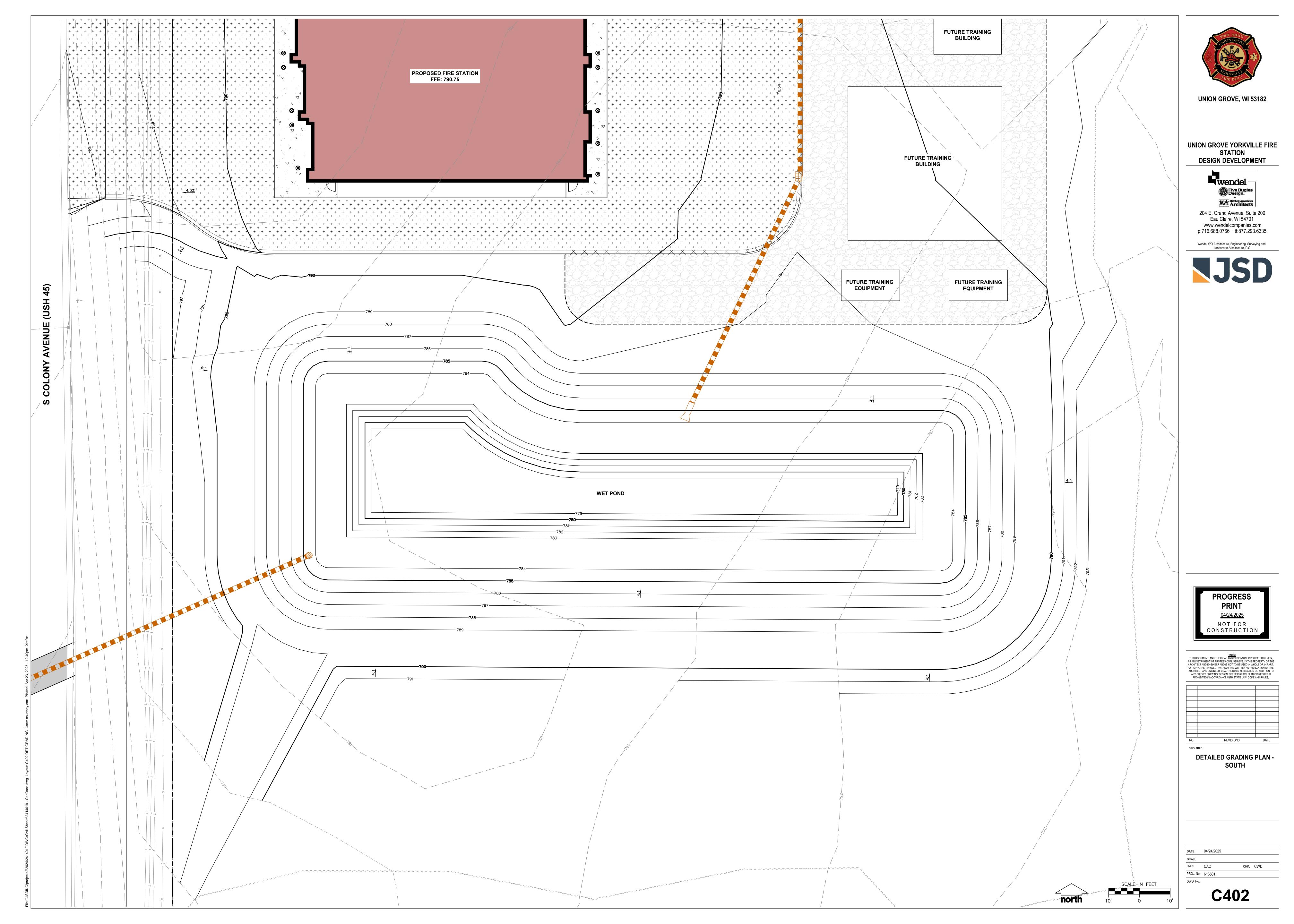


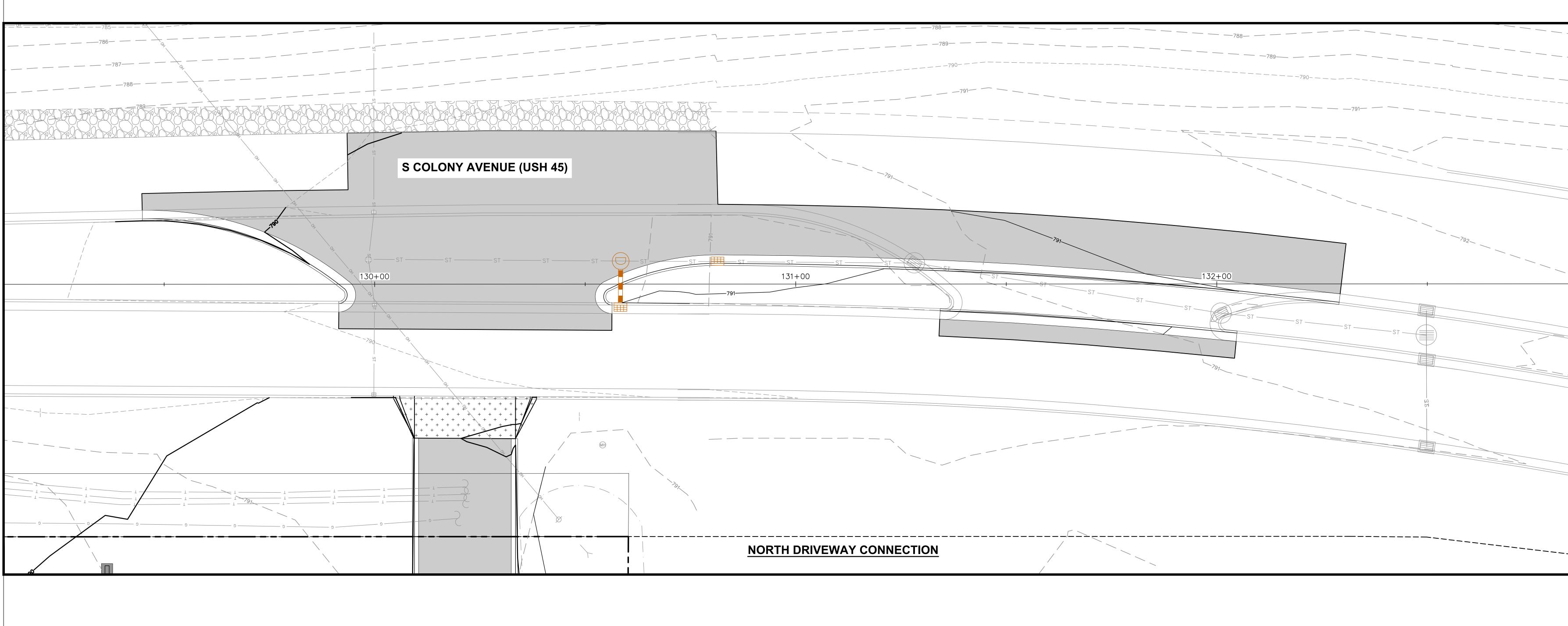


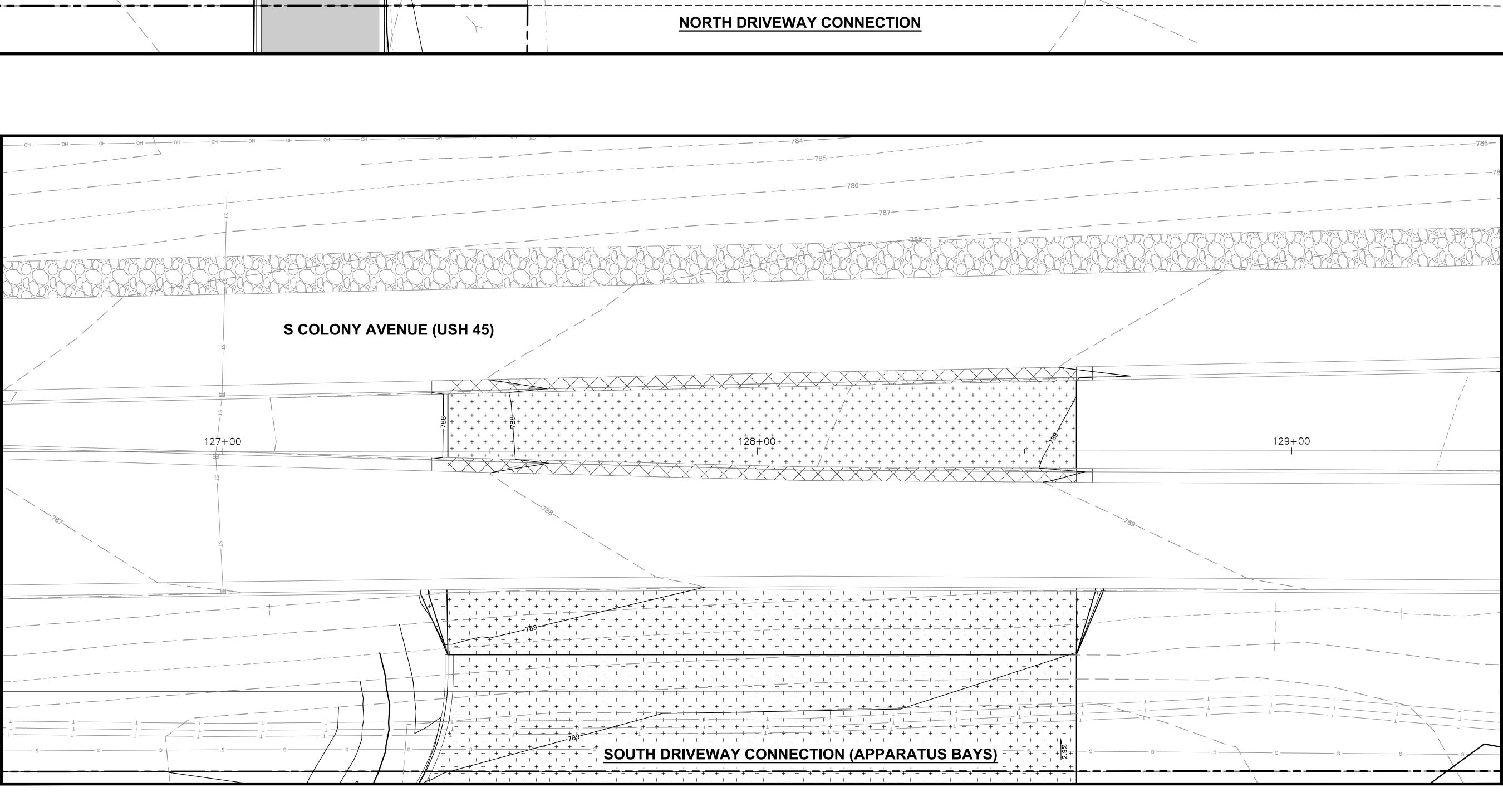




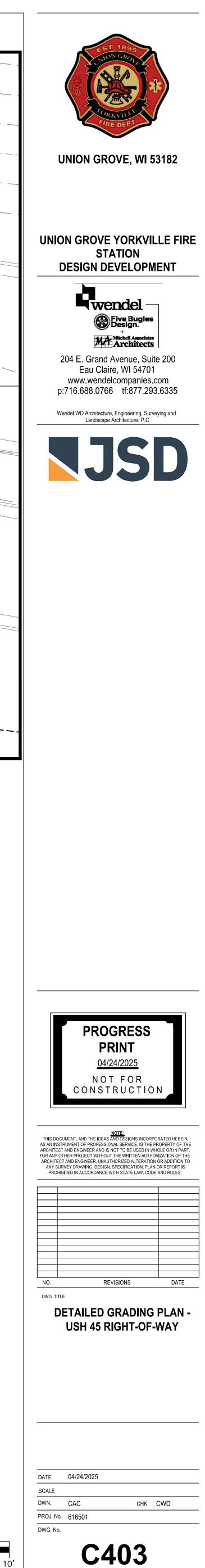


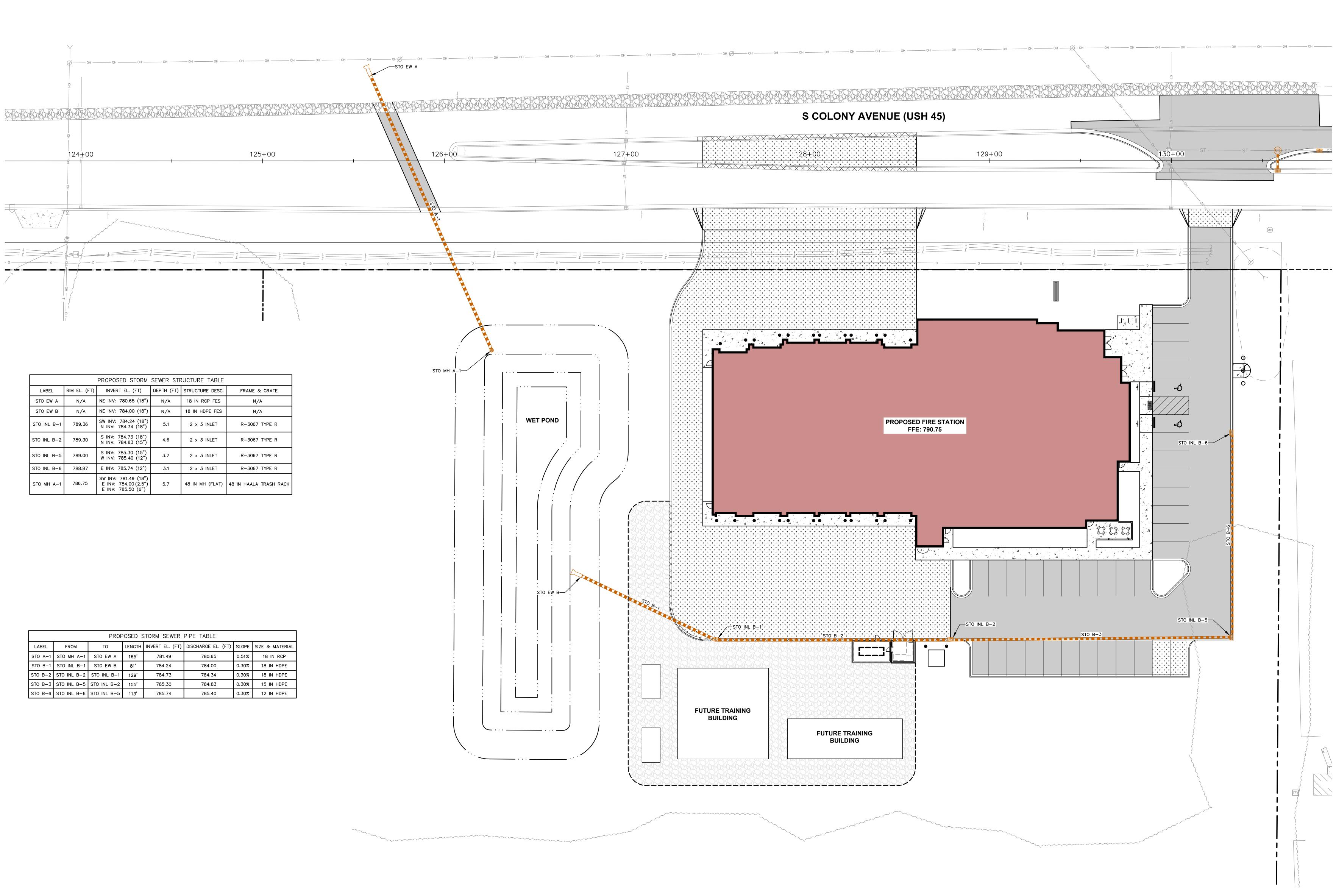






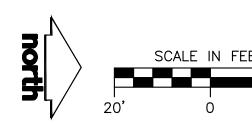


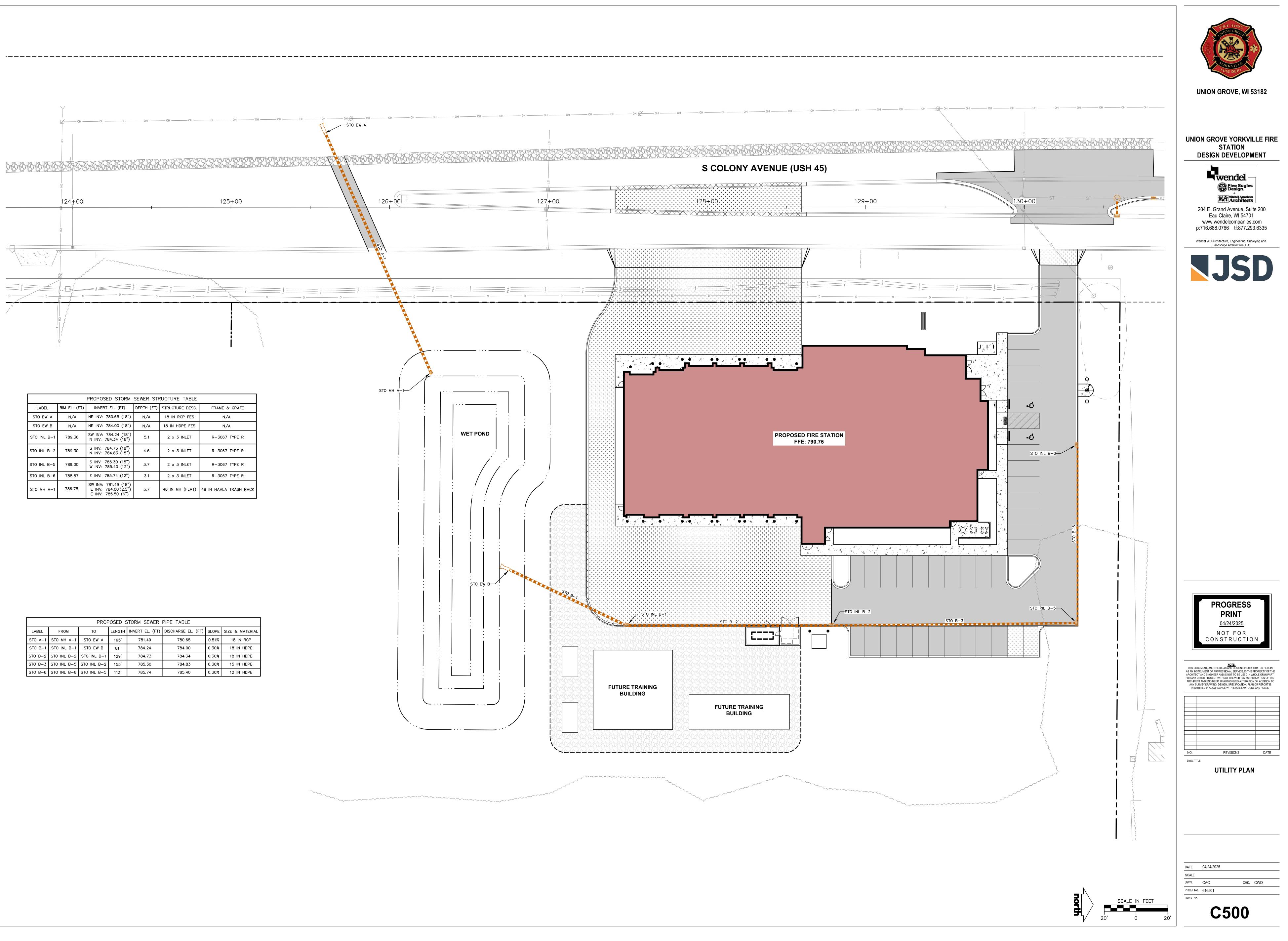


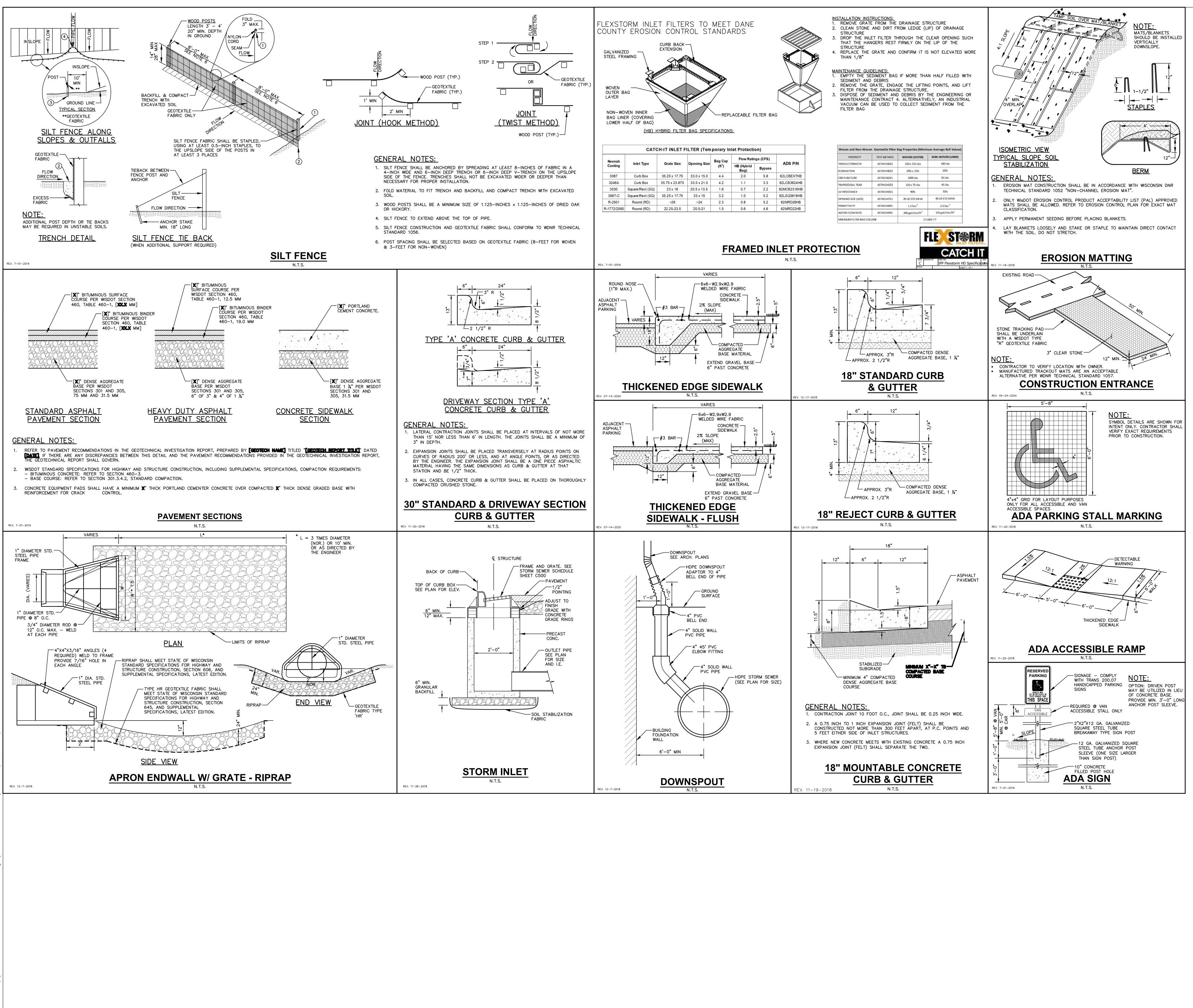


PROPOSED STORM SEWER STRUCTURE TABLE							
LABEL RIM EL. (FT) INVERT EL.		INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE		
STO EW A	N/A	NE INV: 780.65 (18")	N/A	18 IN RCP FES	N/A		
STO EW B	N/A	NE INV: 784.00 (18")	N/A	18 IN HDPE FES	N/A		
STO INL B-1	789.36	SW INV: 784.24 (18") N INV: 784.34 (18")	5.1	2 x 3 INLET	R-3067 TYPE R		
STO INL B-2	789.30	S INV: 784.73 (18") N INV: 784.83 (15")	4.6	2 x 3 INLET	R-3067 TYPE R		
STO INL B-5	789.00	S INV: 785.30 (15") W INV: 785.40 (12")	3.7	2 x 3 INLET	R-3067 TYPE R		
STO INL B-6	788.87	E INV: 785.74 (12")	3.1	2 x 3 INLET	R-3067 TYPE R		
STO MH A-1	786.75	SW INV: 781.49 (18") E INV: 784.00(2.5") E INV: 785.50 (6")	5.7	48 IN MH (FLAT)	48 IN HAALA TRASH RACK		

PROPOSED STORM SEWER PIPE TABLE							
LABEL	FROM	то	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
STO A-1	STO MH A-1	STO EW A	165'	781.49	780.65	0.51%	18 IN RCP
STO B-1	STO INL B-1	STO EW B	81'	784.24	784.00	0.30%	18 IN HDPE
STO B-2	STO INL B-2	STO INL B-1	129'	784.73	784.34	0.30%	18 IN HDPE
STO B-3	STO INL B-5	STO INL B-2	155'	785.30	784.83	0.30%	15 IN HDPE
STO B-6	STO INL B-6	STO INL B-5	113'	785.74	785.40	0.30%	12 IN HDPE
	STO A-1	STO A-1STO MH A-1STO B-1STO INL B-1STO B-2STO INL B-2STO B-3STO INL B-5	LABELFROMTOSTO A-1STO MH A-1STO EW ASTO B-1STO INL B-1STO EW BSTO B-2STO INL B-2STO INL B-1STO B-3STO INL B-5STO INL B-2	LABELFROMTOLENGTHSTO A-1STO MH A-1STO EW A165'STO B-1STO INL B-1STO EW B81'STO B-2STO INL B-2STO INL B-1129'STO B-3STO INL B-5STO INL B-2155'	LABEL FROM TO LENGTH INVERT EL. (FT) STO A-1 STO MH A-1 STO EW A 165' 781.49 STO B-1 STO INL B-1 STO EW B 81' 784.24 STO B-2 STO INL B-2 STO INL B-1 129' 784.73 STO B-3 STO INL B-5 STO INL B-2 155' 785.30	LABEL FROM TO LENGTH INVERT EL. (FT) DISCHARGE EL. (FT) STO A-1 STO MH A-1 STO EW A 165' 781.49 780.65 STO B-1 STO INL B-1 STO EW B 81' 784.24 784.00 STO B-2 STO INL B-2 STO INL B-1 129' 784.73 784.34 STO B-3 STO INL B-5 STO INL B-2 155' 785.30 784.83	LABEL FROM TO LENGTH INVERT EL. (FT) DISCHARGE EL. (FT) SLOPE STO A-1 STO MH A-1 STO EW A 165' 781.49 780.65 0.51% STO B-1 STO INL B-1 STO EW B 81' 784.24 784.00 0.30% STO B-2 STO INL B-2 STO INL B-1 129' 784.73 784.34 0.30% STO B-3 STO INL B-5 STO INL B-2 155' 785.30 784.83 0.30%







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