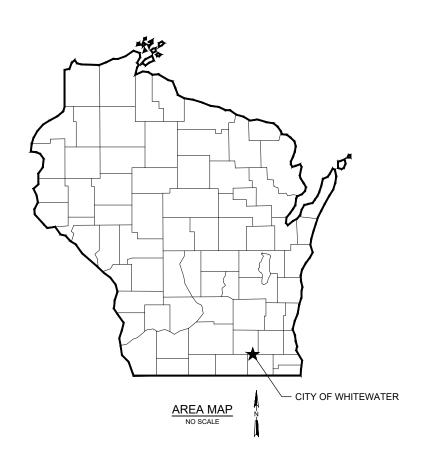
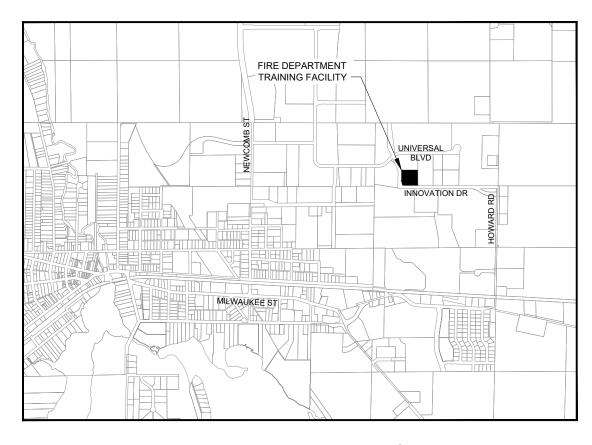
FIRE DEPARTMENT TRAINING FACILITY

FOR THE

CITY OF WHITEWATER WALWORTH COUNTY, WISCONSIN





LIST OF DRAWINGS SHEET NO. DRAWING NO. DRAWING TITLE GENERAL G0.01 TITLE SHEET, LOCATION MAP, AND DRAWING LIST G0.02 PROJECT CONTACTS AND LEGEND G0.03 **EROSION CONTROL NOTES AND DETAILS** DEMOLITION CD1.01 DEMOLITION PLAN CIVIL/STRUCTURAL SITE AND UTILITY PLAN EROSION CONTROL, RESTORATION, AND GRADING PLAN ENLARGED FOUNDATION PLAN AND DETAILS CS5.01 DETAILS AND SCHEDULES - 1 CS5.02 DETAILS AND SCHEDULES - 2

PROJECT LOCATION MAP

910 West Wingra Drive

Strand Associates, Inc. Madison. WI 53715 608-251-4843 www.strand.com

CONTRACT 5-2025

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EXISTING PROPOSED EXISTING RIGHT OF WAY PROPOSED GAS LINE EXISTING PROPERTY LINE - SAN -PROPOSED SANITARY SEWER **EXISTING GAS LINE** PROPOSED WATER MAIN PROPOSED WATER MAIN W/ CASING **EXISTING SANITARY SEWER** EXISTING WATER MAIN PROPOSED STORM SEWER EXISTING STORM SEWER PROPOSED TELEPHONE LINE EXISTING TELEPHONE LINE PROPOSED UNDERGROUND ELECTRIC LINE EXISTING UNDERGROUND ELECTRIC LINE PROPOSED FIBER OPTIC LINE **–** FO **–** EXISTING OVERHEAD ELECTRIC LINE PROPOSED FENCE - FO ---EXISTING FIBER OPTIC LINE PROPOSED SILT FENCE _____ **EXISTING FENCE** _____. PROPOSED SHEET PILING (IP) Δ CONTROL POINT PROPOSED INLET PROTECTION EXISTING BENCHMARK J PROPOSED END CAP **∑**XX SOIL BORING PROPOSED WATER VALVE Q EXISTING DECIDUOUS/CONIFEROUS TREE PROPOSED FIRE HYDRANT EXISTING TREE STUMP \odot PROPOSED SANITARY SEWER MANHOLE (3) EXISTING MANHOLE PROPOSED STORM SEWER MANHOLE EXISTING INLET PROPOSED INLET EXISTING CATCH BASIN **EXISTING POWER POLE** EXISTING LIGHT POLE $\overline{}$ EXISTING SIGN EXISTING GAS VALVE ⊗ GV EXISTING WATER VALVE \otimes WV (VVIM) EXISTING WATER MANHOLE 8 EXISTING FIRE HYDRANT

LEGEND

DIGGERS HOTLINE CONTACT



Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

 BENCHMARK TABLE

 BM NO.
 DESCRIPTION
 NORTHING
 EASTING
 ELEV.

 BM 100
 TOP OF NUT OF FIRE HYDRANT
 426306.82
 719273.48
 826.82

BM 101 TOP OF NUT OF FIRE HYDANT 426298.63 718990.43 823.81

BM 102 TOP OF NUT OF FIRE HYDRANT 426619.23 718936.06 829.25

CONTROL AND BENCHMARK TABLE BM NO. DESCRIPTION NORTHING EASTING ELEV. MAG NAIL IN ASPHALT CP 5 426256.14 718909.07 819.25 CP 10 MAG NAIL IN ASPHALT 426681.58 718914.81 827.29

> 2 G0.02

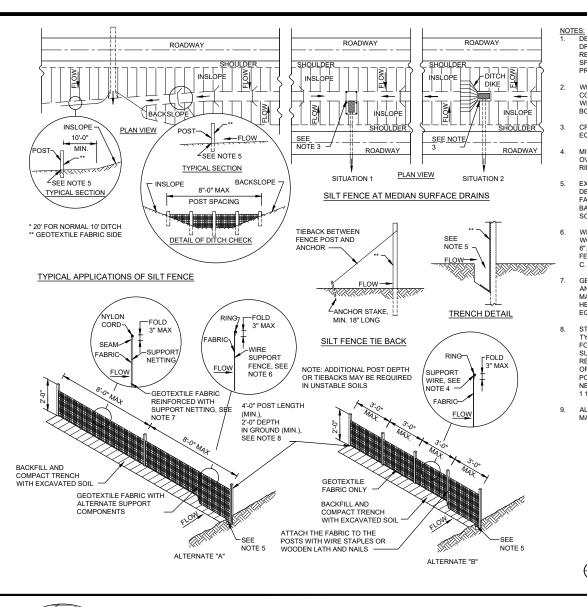
ASSOCIATES

JOB NO. 1407.152

PROJECT MGR.

GENERAL CONTACTS AND LEGEND

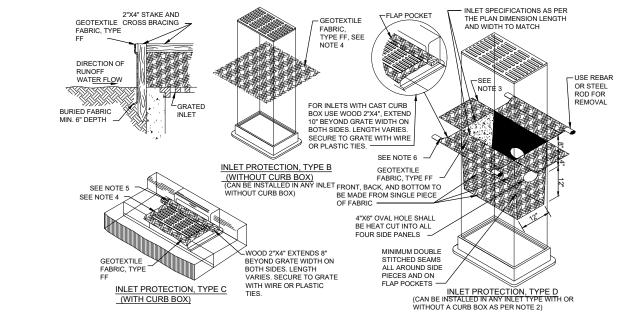
PROJECT

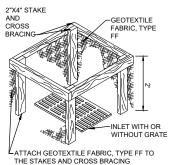


NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD ROPE OF THE STANDARD SPECIAL

- WHEN POSSIBLE THE SILT FENCE SHALL BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.
- CROSS BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.
- EXCAVATE TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC, FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED
- WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C TO
- GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 1/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
- STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.2 LBS/LINEAR FOOT WITHOUT ANCHORS, OR ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIAMETER, OR 2 1/2"x3 1/2", EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1 1/8"x1 1/8" OAK OR HICKORY.
- ALTERNATES "A" AND "B" ARE EQUAL AND EITHER MAY BE USED.





INLET PROTECTION, TYPE A

NOTES:

1. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENTS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

2. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET, ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

3. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO

4. FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

6. FOR TYPES B AND C, TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OR OTHER METHOD TO PREVENT ACCUMULATED

7. FOR TYPE D, DO NOT INSTALL INLET PROTECTION TYPE D INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE

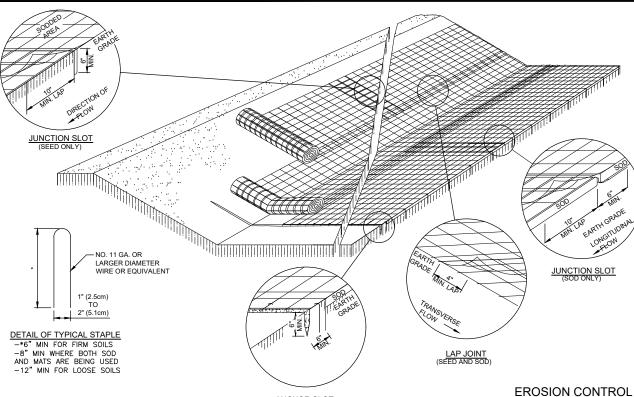
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY, THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES, TO ACHIEVE THE 3" CLEARANCE.

SILT FENCE

MAT INSTALLATION

INLET PROTECTION TYPE A, B, C, AND D



ANCHOR SLOT

AT BEGINNING AND END OF EROSION MAT

(SEED AND SOD)

EROSION MAT OVER SOD

1. ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD

2. FLOOD STAKES FOR SOD MAY BE OMITTED IF THE EXISTING SLOPE AND

3. THE WIDTH OF EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.

4. SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF

EROSOIN MAT OVER SEEDING

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET ON GRADES EXCEEDING 3 PERCENT

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL

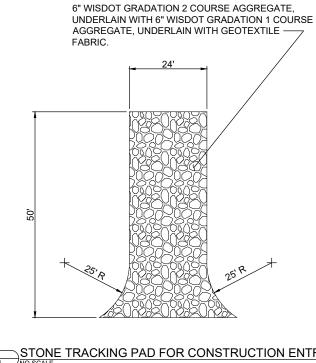
2. VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH.

3. LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF

4. JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

5. EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN

6. EROSION MAT SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE SPECIFICATIONS.

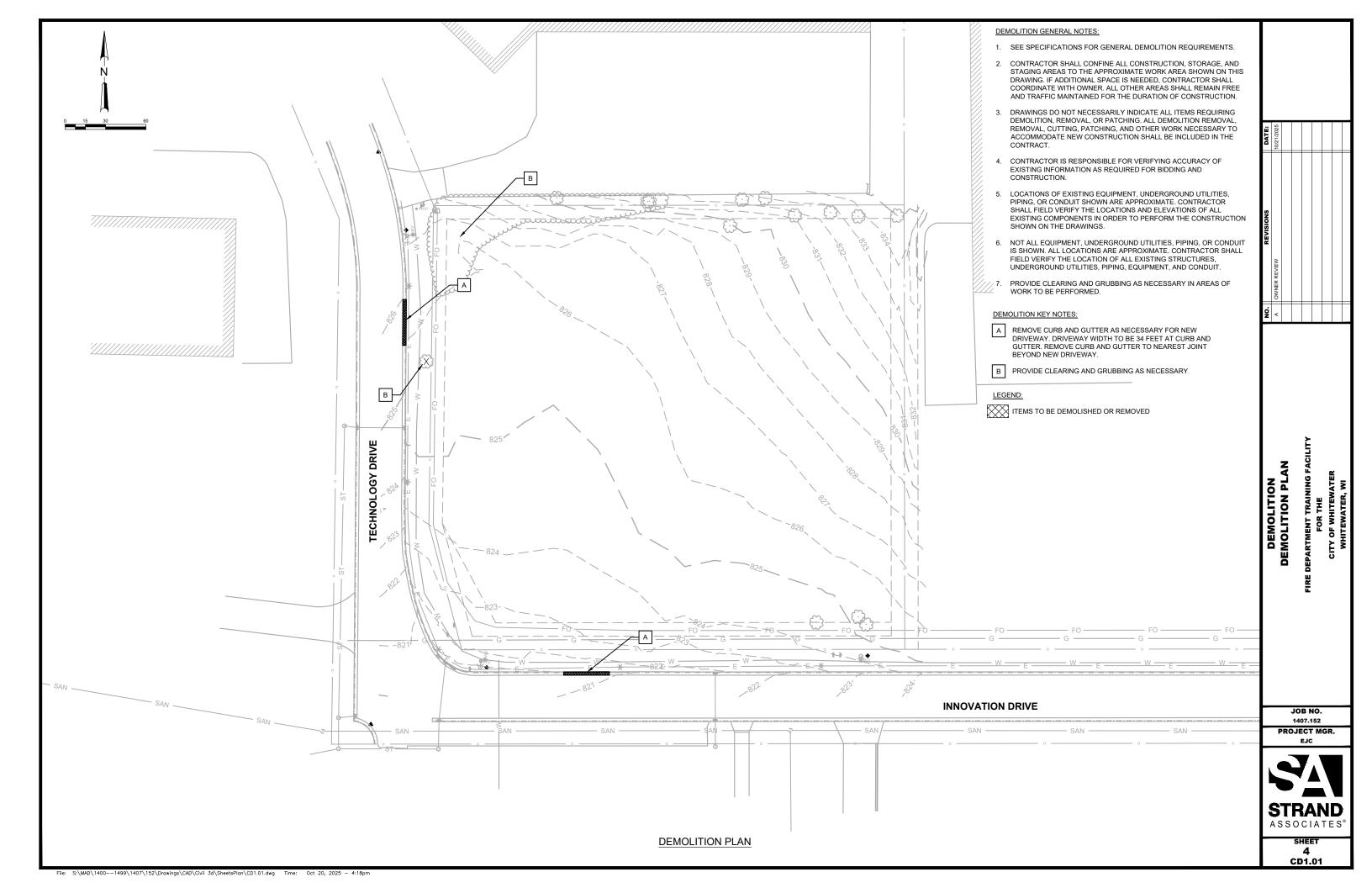


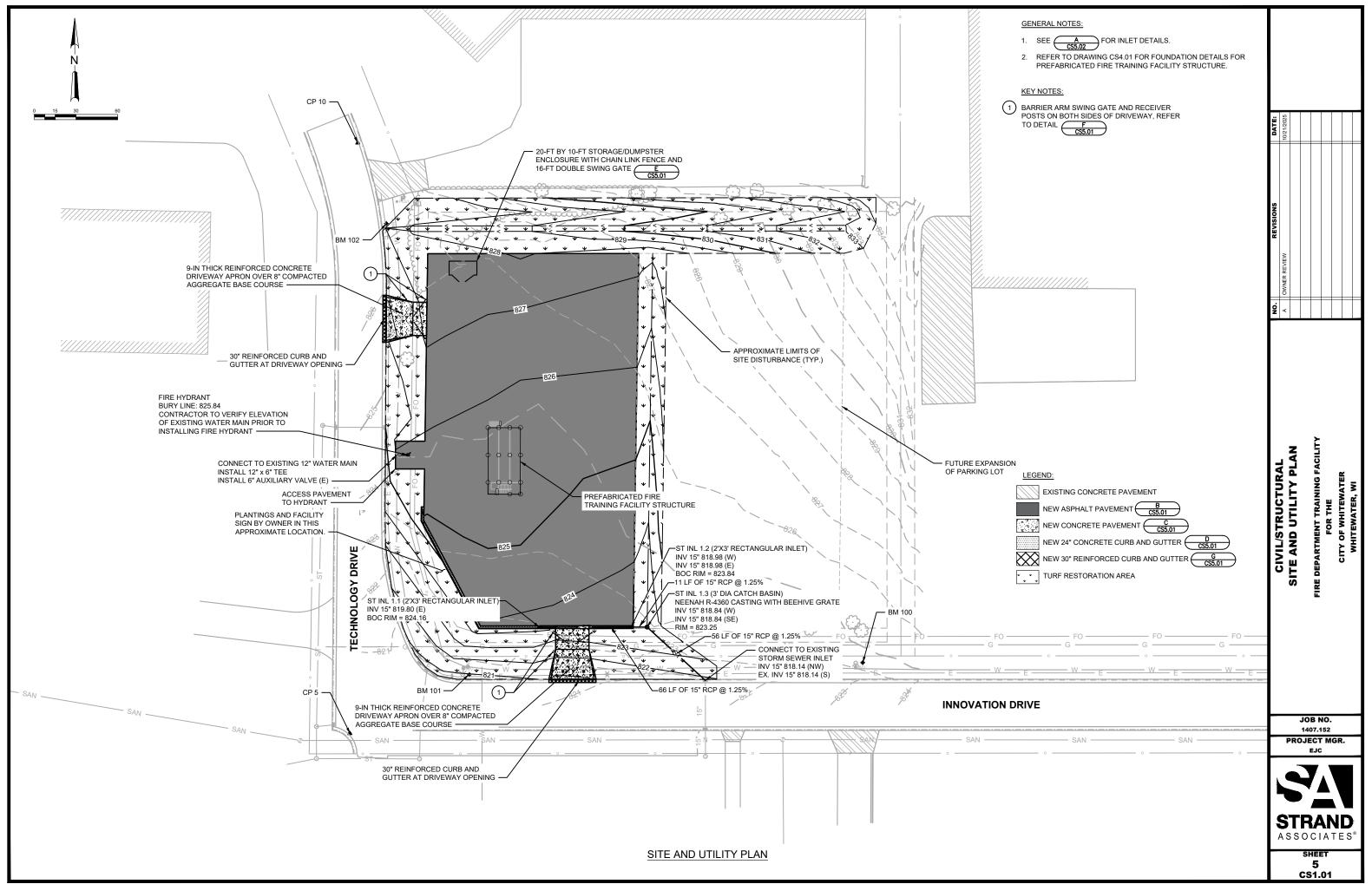
STONE TRACKING PAD FOR CONSTRUCTION ENTRANCE

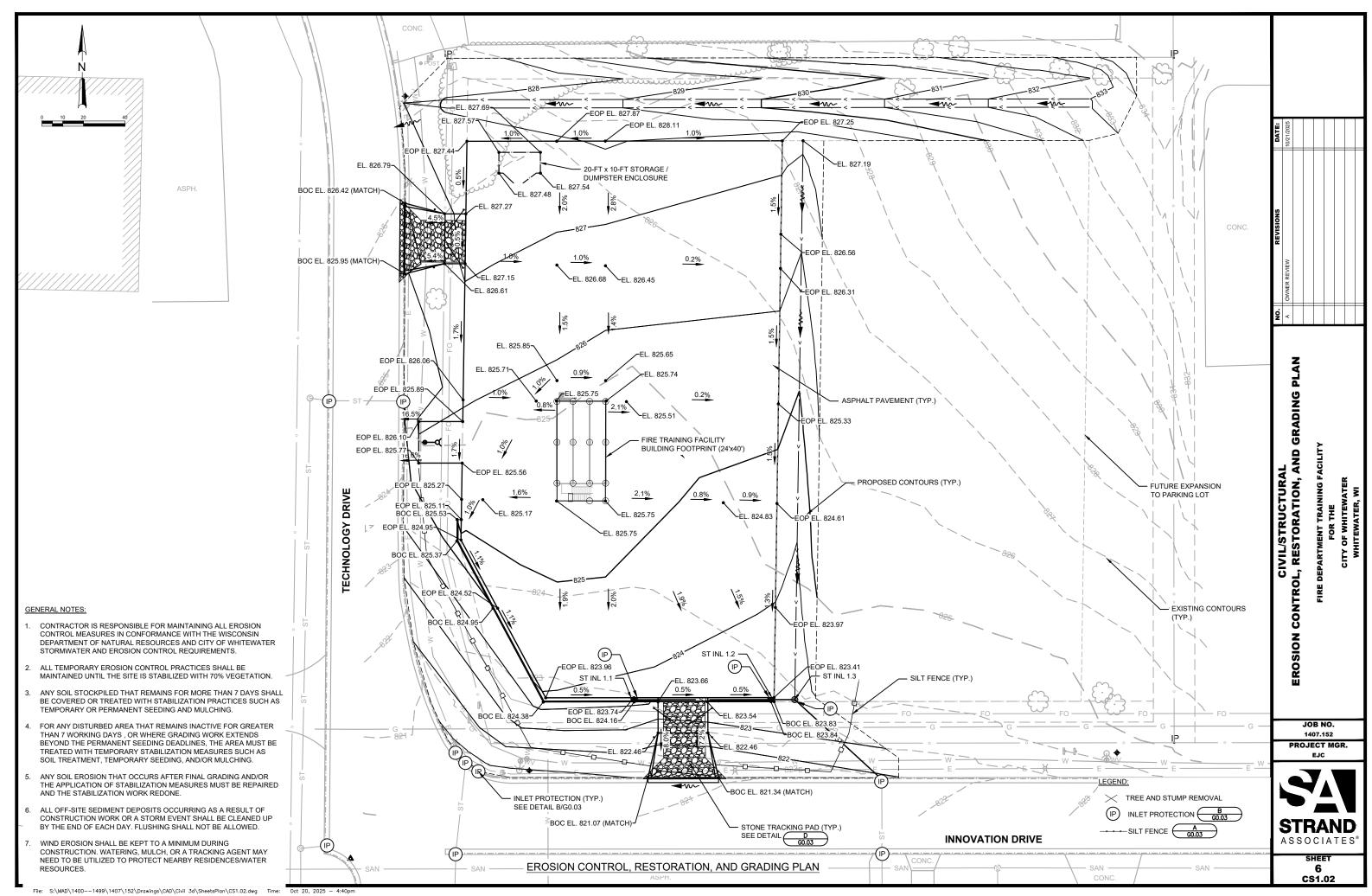
DETAILS AND TRAINING NOTES GENE CONTROL I P CITY <u>z</u> OSI JOB NO. 1407.152 PROJECT MGR. ASSOCIATES

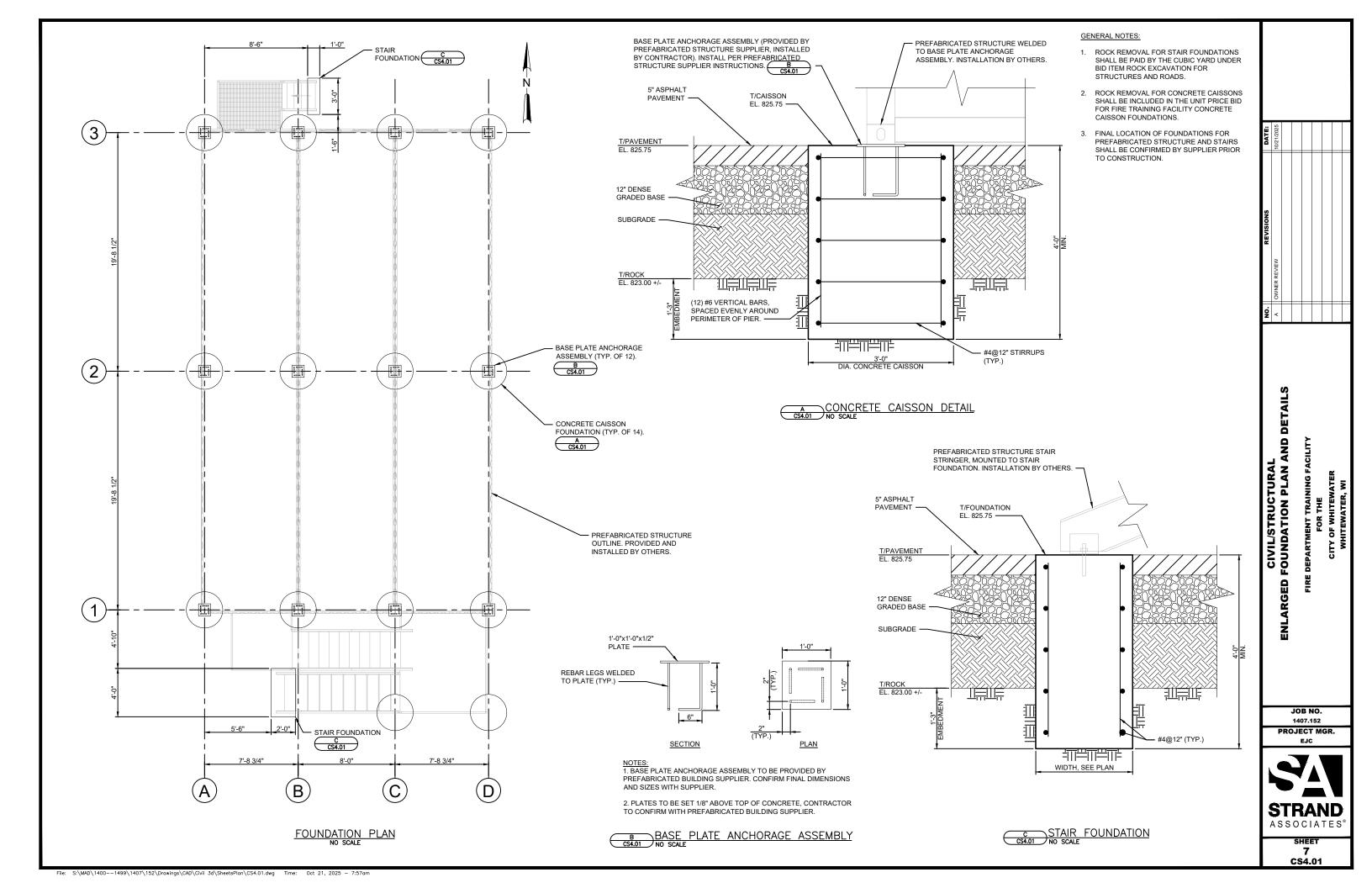
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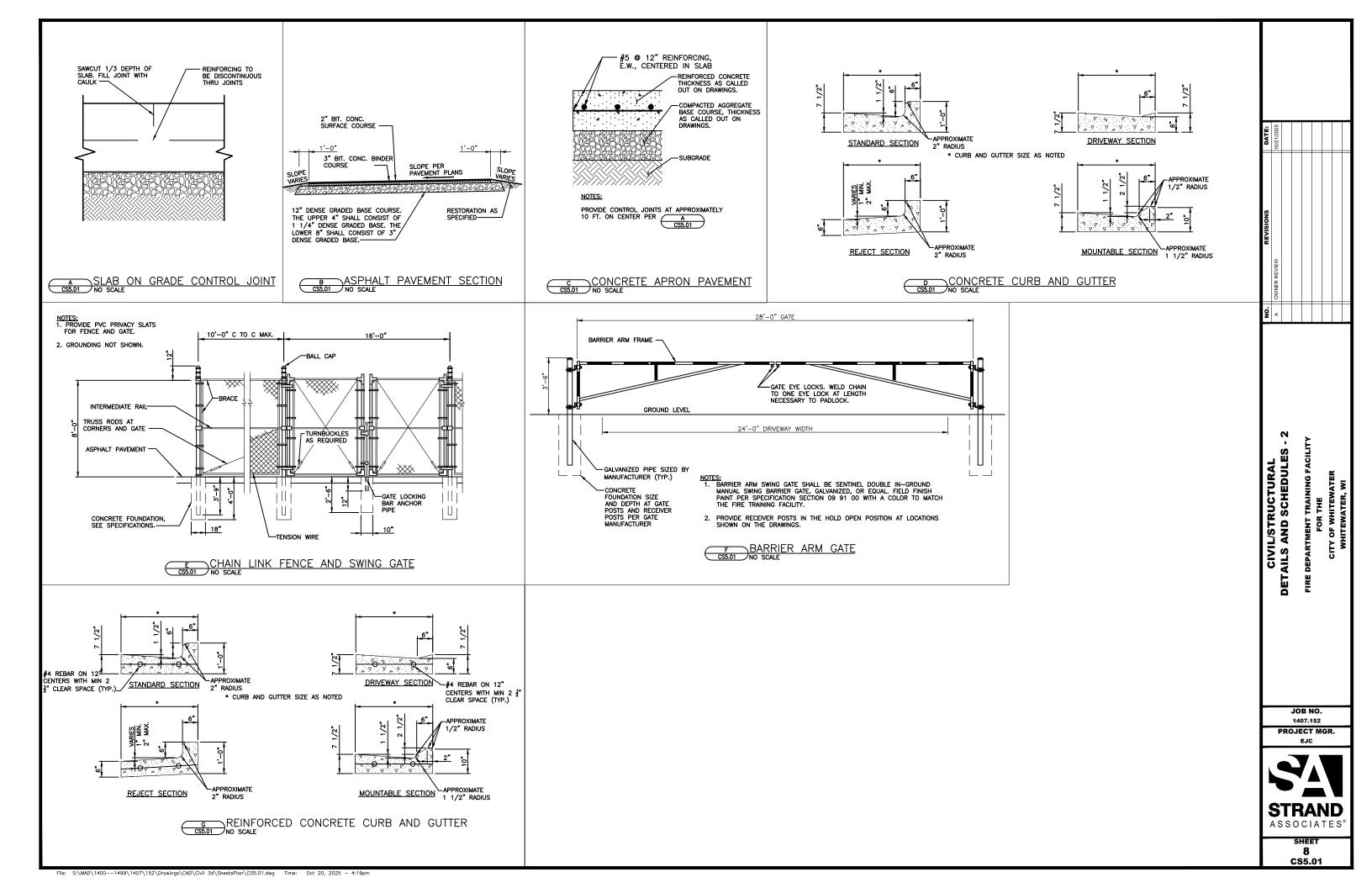
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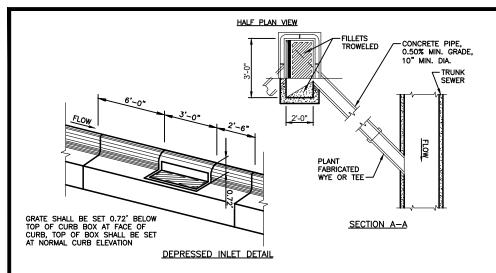


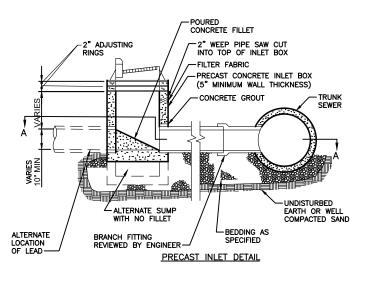












OTES:

- 1. DETAILS RELATIVE TO ITEMS SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS.
- 2. VARIATIONS IN DIMENSIONS AND DESIGN MAY BE PERMISSIBLE PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.
- 3. WHEN ANY STRUCTURE IS CONSTRUCTED OF CONCRETE, CONCRETE BLOCK OR REINFORCED CONCRETE CULVERT PIPE, THE TOP OF THE MASONRY SHALL BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER TO GRADE.
- 4. REINFORCED PRECAST FLAT SLAB SHALL BE USED IN LIEU OF PRECAST ECCENTRIC CONE WHEN SHOWN ON THE DRAWINGS AND SHALL BE DESIGNED FOR
- 5. PRECAST REINFORCED CONCRETE MANHOLE RISERS AND TOPS SHALL CONFORM TO ASTM C-478. JOINTS BETWEEN MANHOLE SECTIONS SHALL BE SEALED WITH RAM NEX, HANDLING HOLES SHALL BE FILLED WITH MORTAR, AND BOTH MADE WATER TIGHT.
- 6. STEPS SHALL BE INSTALLED IN ALL MANHOLES.
- 7. AT ALL BENDS IN SEWER, A SMOOTH RADIUS FLOW LINE SHALL BE PROVIDED IN MANHOLES. ALL CONCRETE FILLETS SHALL BE HAND troweled.
- 8. INSIDE DIMENSIONS FOR MANHOLES: USE MINIMUM 4' DIAMETER FOR SEWER LESS THAN 18" IN DIAMETER; USE MINIMUM 5' DIAMETER FOR SEWER 18" THRU 24" IN DIAMETER; USE MINIMUM 6' DIAMETER OR MINIMUM 6' SQUARE FOR SEWER OVER 24" IN DIAMETER, UNLESS OTHERWISE SPECIFIED.
- 9. ARRANGEMENT AND NUMBER OF INLETS AND DISCHARGE PIPES SHALL CONFORM TO THE NEEDS OF THE PERTINENT LOCATION.
- 10. PROVIDE MINIMUM 2'-0" COVER FOR ALL INLET LEAD PIPE, UNLESS OTHERWISE SPECIFIED.
- 11. ALL INLETS SHALL BE DEPRESSED AS SHOWN.
- 12. INLET DEPTH AND GRADE OF INLET LEAD PIPE VARY ACCORDING TO DEPTH OF TRUNK SEWER. MINIMUM INLET DEPTH BELOW TOP OF CURB SHALL BE 4'-0".

STORM SEWER INLETS
CS5.02 NO SCALE

 NO.
 REVISIONS
 DATE:

 A
 OWNER REVIEW
 102/12/025

CIVIL/STRUCTURAL
DETAILS AND SCHEDULES - 2
FIRE DEPARTMENT TRAINING FACILITY
FOR THE
CITY OF WHITEWATER
WHITEWATER, WI

JOB NO. 1407.152

PROJECT MGR. EJC



SHEET 9 CS5.01