From:	Mark Davidson <mdavidson@msa-ps.com></mdavidson@msa-ps.com>
Sent:	Monday, May 2, 2022 10:44 AM
То:	Herbst, Barbara J - DNR
Cc:	Jeff Anderson
Subject:	Post closure modification - additional information Douglas County
	Forestry Parking lot
Attachments:	12036004 Solon Springs Forestry Parking Lot 7.14.21.pdf; 12036004 Solon Springs Forestry Parking Lot GradingRemovals 7.28.21.pdf

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Barb,

In response to your voicemail, please see the attached plans for the retaining wall and regrading/repaving of the parking lot for the Former Smith Union 72 post closure modification in Solon Springs. I was told that we would not need a fee for the post closure modification so we have not submitted any money at this time (not sure why the box was checked but I apologize for the confusion). Please contact either Jeff or myself if you have any questions or need any additional information.

Thanks,

Mark



Mark Davidson, PG | Senior Project Hydrogeologist

MSA Professional Services, Inc. 100% Employee Owned +1 (218) 499-3184

# **FORESTRY PARKING LOT IMPROVEMENTS**

# VILLAGE OF SOLON SPRINGS DOUGLAS COUNTY, WISCONSIN

### LEGEND

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	w	EXISTING WATER MAIN	SHEET LIST TABLE
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r fr		PROPOSED WATER MAIN, VALVE, & HYDRANT	2 DETAILS 3 RETAINING WALL DETAILS
PROJECT		PROPOSED WATER SERVICE & CURB STOP	4 RETAINING WALL DETAILS & STRUCTURAL NOTES
	sanS	EXISTING SANITARY SEWER & MANHOLE	5 EXISTING REMOVALS 6 GRADING PLAN
	<b></b>	PROPOSED SANITARY SEWER & MANHOLE	7 SIMULATED STONE NOTES
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PROJECT LOCATIO	• NC	IRON ROD	www.DiggersHotline.com
	*	CONTROL POINT	
5	- <b></b>	UTILITY POLE & GUY	NOTE:
	<sup>1</sup> 000.00	SOIL BORING	UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO
Park Creek	¥	LIGHT POLE	CONSTRUCTION.
Park 🚊 🌋		PEDESTAL	
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Crean P	ę	MAILBOX	GOVERNING SPECS WISDOT STANDARD SPECS FOR HIGHWAY AND STRUCTURE CONSTRUCTION 2021 EDITION
	g	FLAGPOLE	WI DNR STORM WATER CONSTRUCTION TECHNICAL STANDARDS
LOCATION MAP	යි	TREE - DECIDUOUS	
NOT TO SCALE	夺	TREE - CONIFEROUS	
	×	TREE TO BE REMOVED	
NO.         DATE         REVISION           CT DATE: TBD         DRAWN BY:         SFS         .         .	BY		FORESTRY PARKING LOT IMPROVEMEN

👏 MSA

DESIGNED BY: ----

CHECKED B

332 W Superior Street, Duluth MN 55802 (218) 722-3915 www.msa-ps.com

CIVIL

FORESTRY PARKING LOT IMPROVEMENTS VILLAGE OF SOLON SPRINGS DOUGLAS COUNTY, WISCONSIN

## UTILITIES

GAS: SUPERIOR WATER, LIGHT AND POWER 2915 HILL AVE SUPERIOR, WI 54880 ATTN: MATT STARRY (715) 817-2467

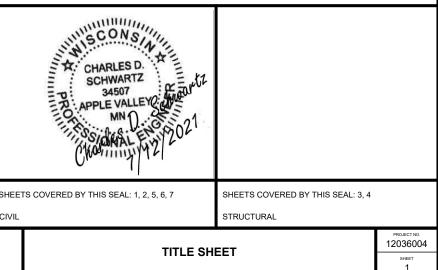
ELECTRIC: DAHLBERG LIGHT & POWER CO 9221 E MAIN ST SOLON SPRINGS, WI 54873 (715) 837-1741

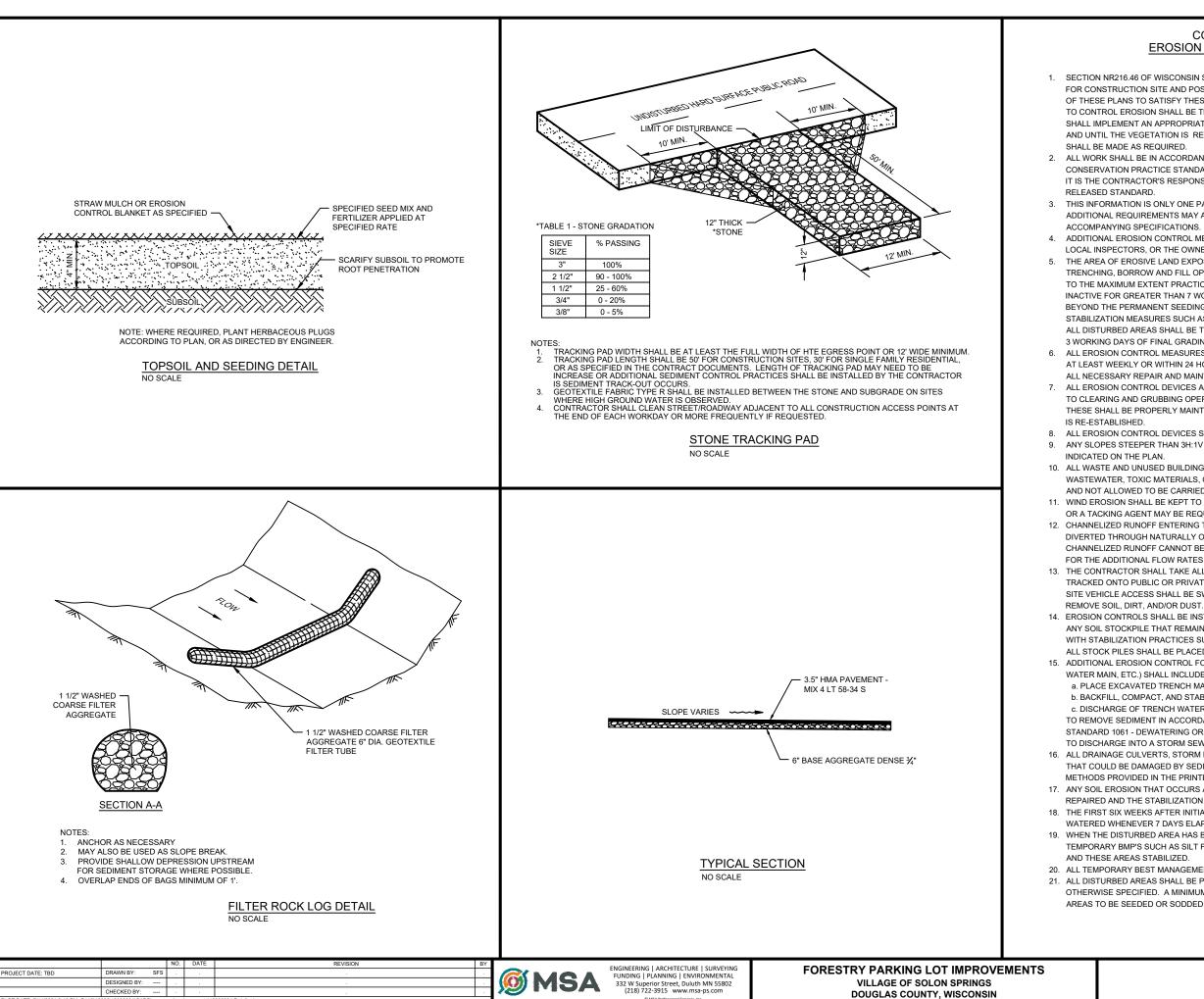
SUPERIOR WATER LIGHT & POWER 2915 HILL AVE SUPERIOR, WI 54880 ATTN: MATT STARRY (715) 817-2467

<u>TELEPHONE:</u> CCI SYSTEMS 105 KENT STREET IRON MOUNTAIN, MI 49801 (262) 446-9821

CENTURYLINK 501 W 5TH AVE MINONG, WI 54859 (800) 283-4237

SEWER & WATER: VILLAGE OF SOLON SPRINGS 11523 S BUSINESS HWY 53 SOLON SPRINGS, WI 54873 (715) 378-2235





#### CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

1. SECTION NR216.46 OF WISCONSIN STATE ADMINISTRATIVE CODE IDENTIFIES REQUIREMENTS FOR CONSTRUCTION SITE AND POST-CONSTRUCTION EROSION CONTROL. IT IS THE INTENT OF THESE PLANS TO SATISFY THESE REQUIREMENTS. THE METHODS AND STRUCTURES USED TO CONTROL EROSION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL IMPLEMENT AN APPROPRIATE MEANS OF CONTROLLING EROSION DURING SITE OPERATION AND UNTIL THE VEGETATION IS RE-ESTABLISHED. ADJUSTMENTS TO THE CONTROL SYSTEM SHALL BE MADE AS REQUIRED.

2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WISCONSIN DNR'S CONSERVATION PRACTICE STANDARDS. THESE STANDARDS ARE PERIODICALLY UPDATED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REFERENCE THE MOST RECENTLY RELEASED STANDARD.

3. THIS INFORMATION IS ONLY ONE PART OF THE OVERALL EROSION CONTROL REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY ALSO BE SHOWN ON THE CONTRACT DRAWINGS AND IN THE ACCOMPANYING SPECIFICATIONS.

 ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE OWNER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
 THE AREA OF EROSIVE LAND EXPOSED TO THE ELEMENTS BY GRUBBING, EXCAVATION, TRENCHING, BORROW AND FILL OPERATIONS AT ANY ONE TIME SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING. ALL DISTURBED AREAS SHALL BE TREATED WITH PERMANENT STABILIZATION MEASURES WITHIN 3 WORKING DAYS OF FINAL GRADING.

 ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN HAS OCCURRED. ALL NECESSARY REPAIR AND MAINTENANCE WILL BE DONE AT THIS INSPECTION TIME.
 ALL EROSION CONTROL DEVICES AND/OR STRUCTURES SHALL BE PROPERLY INSTALLED PRIOR TO CLEARING AND GRUBBING OPERATIONS WITHIN THEIR RESPECTIVE DRAINAGE AREAS. THESE SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS RE-ESTABLISHED.

 ALL EROSION CONTROL DEVICES SHALL BE PROPERLY INSTALLED PRIOR TO ANY SOIL DISTURBANCE.
 ANY SLOPES STEEPER THAN 3H:1V SHALL BE STAKED WITH EROSION CONTROL FABRIC UNLESS INDICATED ON THE PLAN.

10. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.

 WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH, OR A TACKING AGENT MAY BE REQUIRED TO PROTECT NEARBY RESIDENCES AND WATER RESOURCES.
 CHANNELIZED RUNOFF ENTERING THE PROJECT SITE FROM ADJOINING LANDS SHALL BE DIVERTED THROUGH NATURALLY OR ARTIFICIALLY EROSION-RESISTANT CONVEYANCES. IF

CHANNELIZED RUNOFF CANNOT BE DIVERTED, SITE BEST MANAGEMENT PRACTICES MUST ACCOUNT FOR THE ADDITIONAL FLOW RATES AND EROSION POTENTIAL THAT SUCH RUNOFF PRESENTS.
13. THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT SOILS FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED (NOT FLUSHED) PERIODICALLY TO REMOVE SOIL DIRT AND/OR DUST.

 EROSION CONTROLS SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF TEMPORARY STOCKPILES. ANY SOIL STOCKPILE THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING. ALL STOCK PILES SHALL BE PLACED AT LEAST 75 FEET FROM STREAMS OR WETLANDS.
 ADDITIONAL FROSION CONTROL FOR LITH ITY CONSTRUCTION (STORM SEWER SANITARY SEWER)

 ADDITIONAL EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) SHALL INCLUDE THE FOLLOWING:

a. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
b. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
c. DISCHARGE OF TRENCH WATER OR DEWATERING EFFLUENT MUST BE PROPERLY TREATED
TO REMOVE SEDIMENT IN ACCORDANCE WITH THE WDNR CONSERVATION PRACTICE

STANDARD 1061 - DEWATERING OR A SUBSEQUENT WDNR DEWATERING STANDARD PRIOR TO DISCHARGE INTO A STORM SEWER, DITCH, DRAINAGEWAY, OR WETLAND OR LAKE. 16. ALL DRAINAGE CULVERTS. STORM DRAIN INLETS. MANHOLES, OR ANY OTHER EXISTING STRUCTURES

THAT COULD BE DAMAGED BY SEDIMENTATION SHALL BE PROTECTED ACCORDING TO THE VARIOUS METHODS PROVIDED IN THE PRINTED CONSERVATION PRACTICE STANDARDS.

17. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.

DETAILS

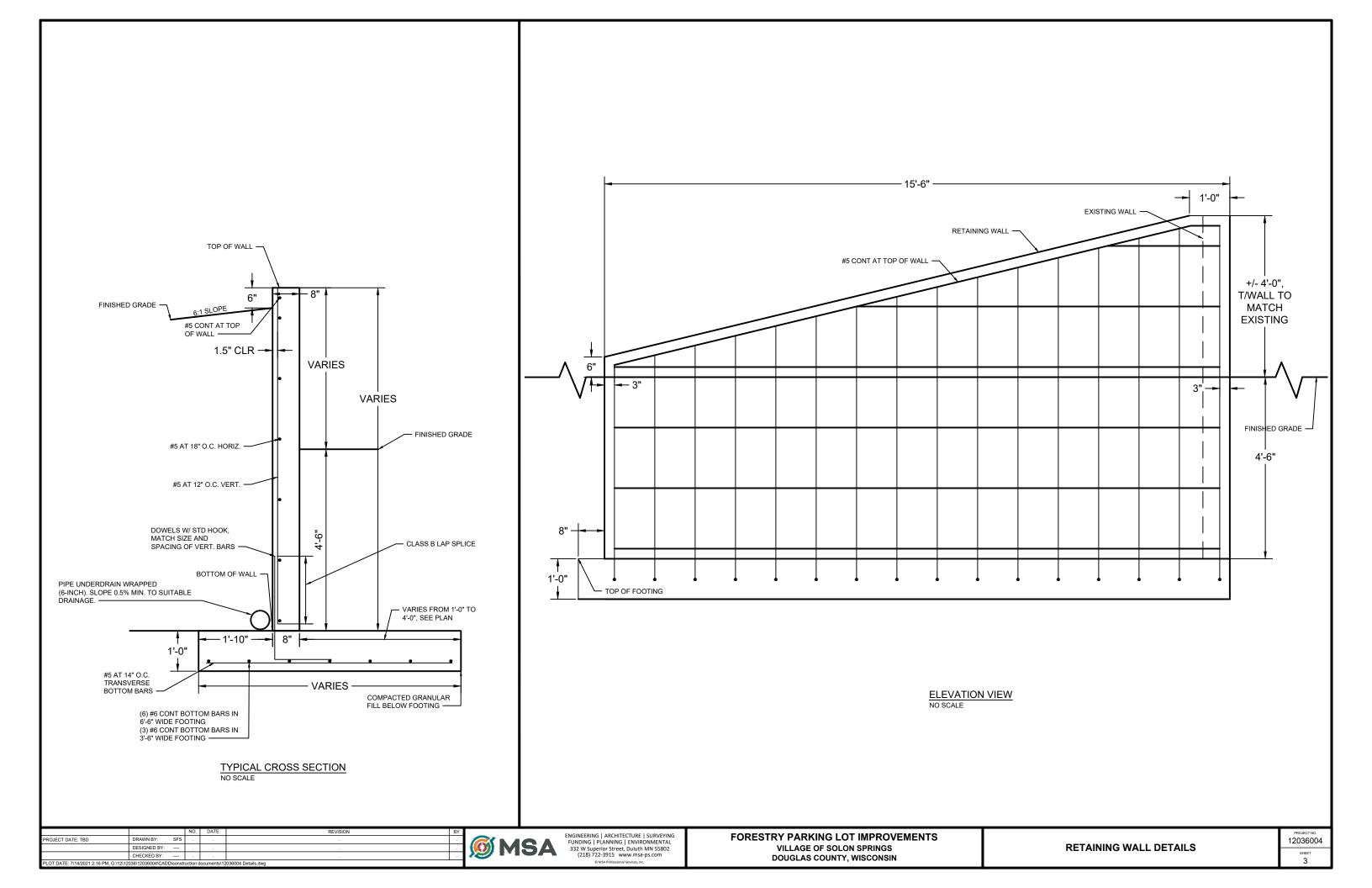
18. THE FIRST SIX WEEKS AFTER INITIAL STABILIZATION, ALL NEWLY SEEDED AND MULCHED AREAS SHALL WATERED WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.

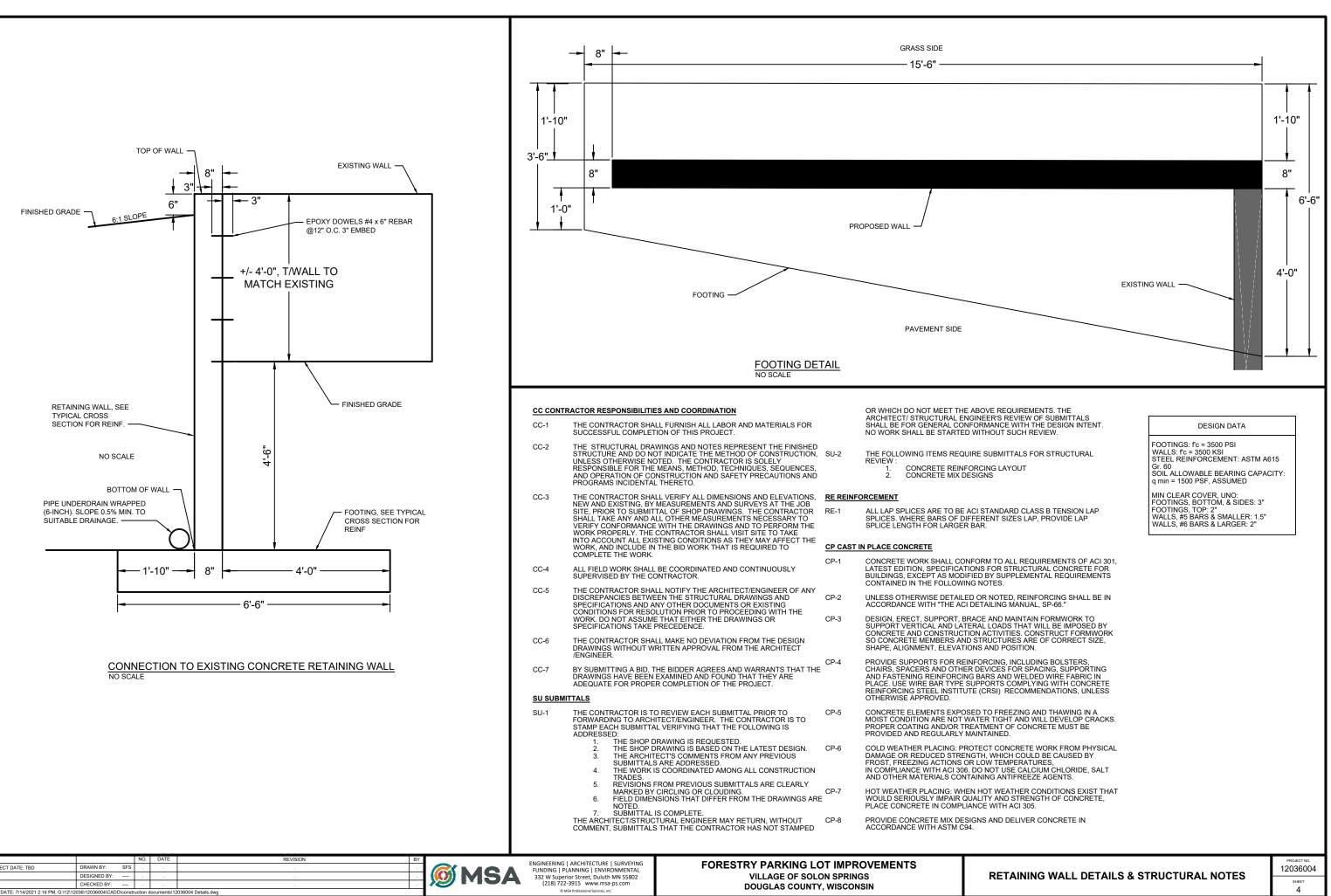
19. WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BMP'S SUCH AS SILT FENCES, STRAW BALES, AND SEDIMENT TRAPS SHALL BE REMOVED AND THESE AREAS STABILIZED.

 ALL TEMPORARY BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED.
 ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.

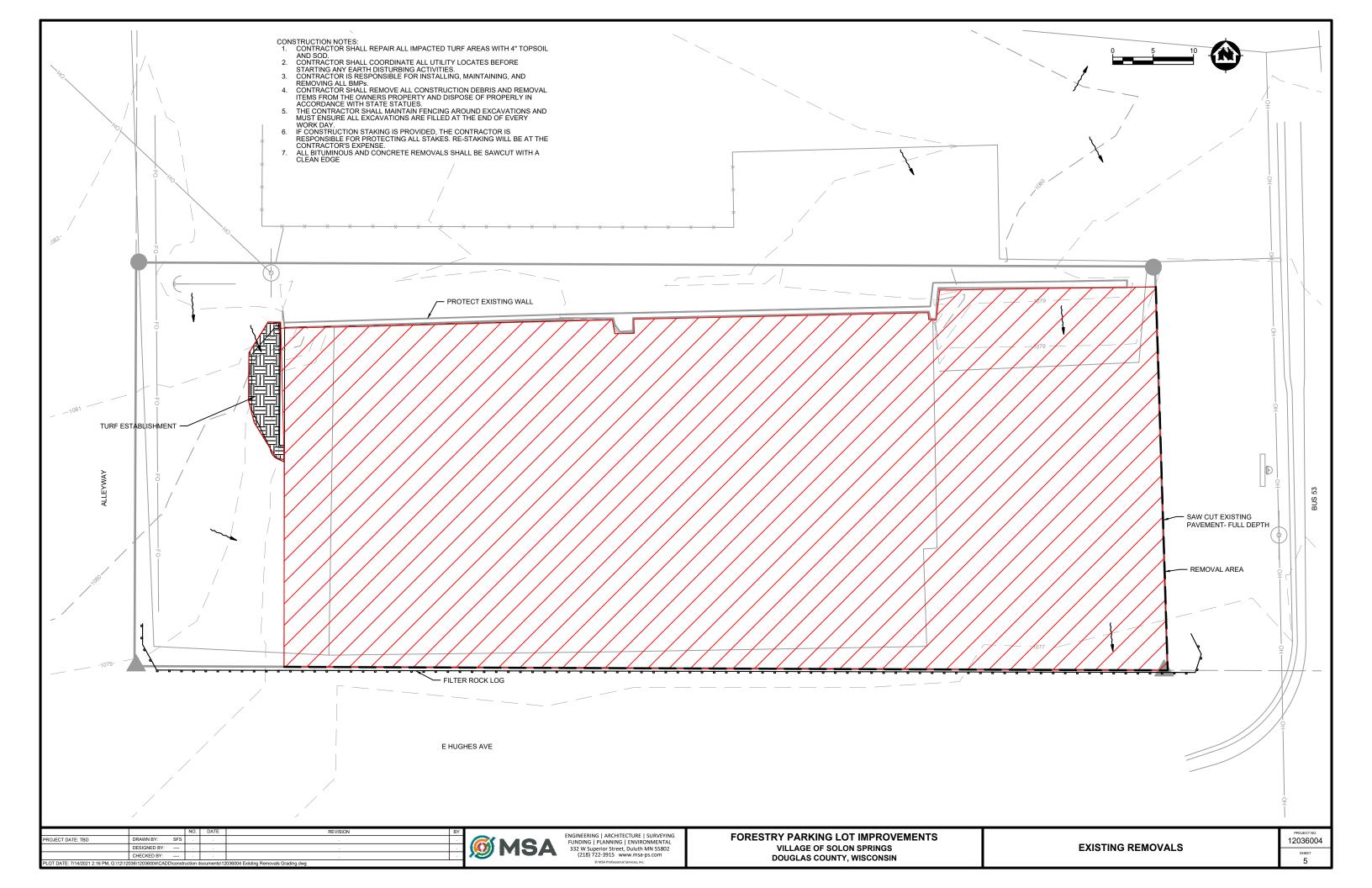
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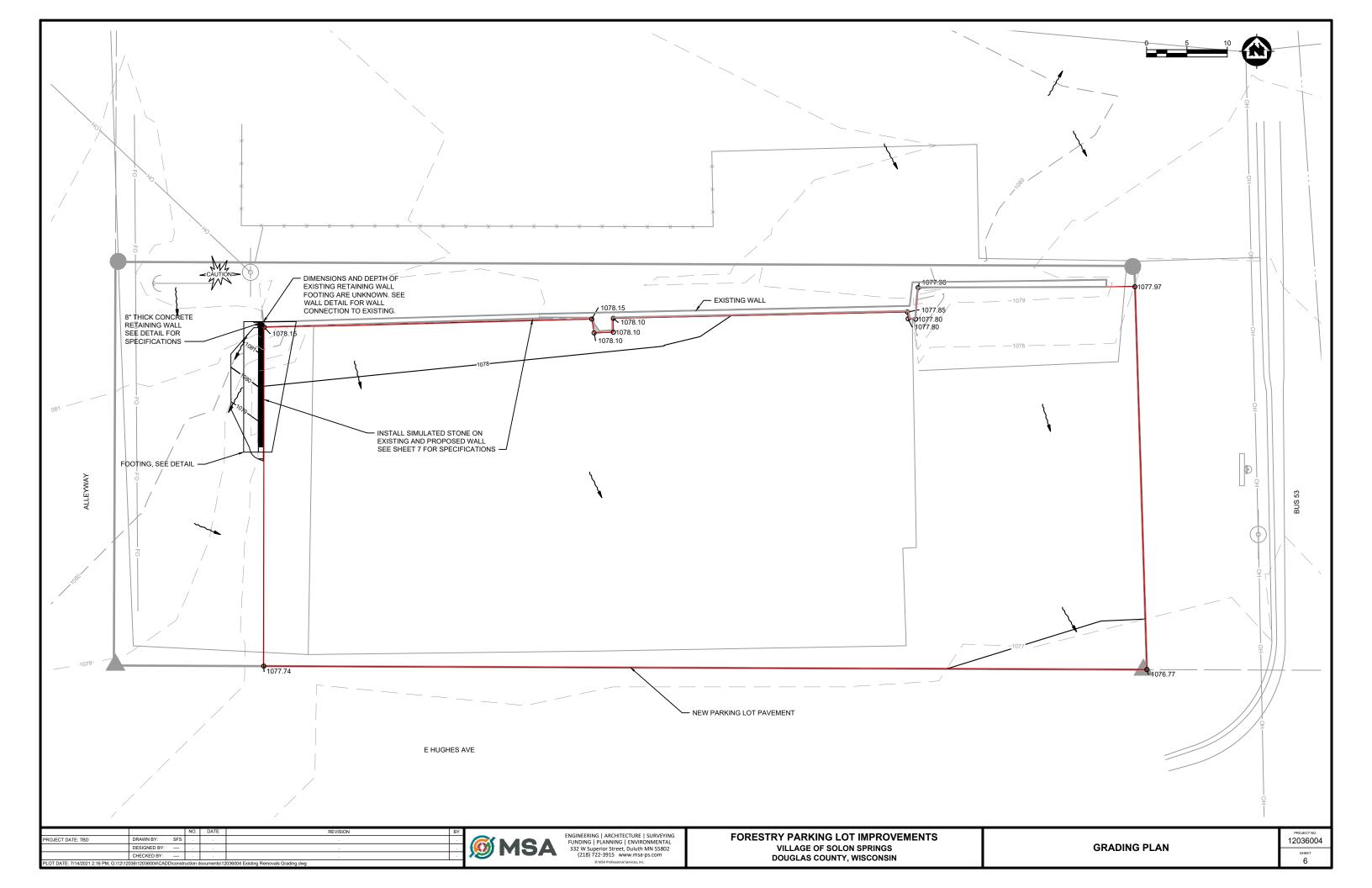
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RETAINING	WALL	DETAILS	& S1	RUCT	URAL	NOTES





#### **SECTION 047300**

#### SIMULATED STONE

PART 1 GENERAL

- 1.1 SUMMARY
  - A. Section Includes:
    - Simulated stone veneer applied to concrete substrate. 1.
    - Pointing mortar joints. 2.
  - Related Sections: В. 1. Division 01: Administrative, procedural, and temporary work requirements.
- 1.2 REFERENCES
  - A. ASTM International (ASTM) C1780 Standard Practice for Installation Methods for Adhered Manufactured Stone Masonry Veneer.
  - Masonry Veneer Manufacturers Association (MVMA) Installation Guide for Adhered Manufactured В. Stone Veneer.
- 1.3 SUBMITTALS
  - A. Submittals for Review:
    - 1. Product Data: Descriptive data and installation instructions.
    - Samples: Full size stone samples showing profile and finish. 2.
- 1.4 QUALITY ASSURANCE
  - A. Installer Qualifications: Minimum 3 years' experience in work of this Section.
- 1.5 PROJECT CONDITIONS
  - A. Environmental Requirements:
    - Hot weather requirements: If ambient temperature is over 95 degrees F or relative humidity is 1. less than 50 percent, protect from direct sun and wind exposure for minimum 48 hours after installation.
    - Cold weather requirements: 2.
      - Do not install stone when ambient temperature is below 40 degrees F or is expected to fall a. below that level within 12 hours after installation.
      - Do not use frozen materials or build upon frozen work. b.

#### PART 2 PRODUCTS

- 2.1 MANUFACTURERS
  - Α. Acceptable Manufacturers - Simulated Stone:
    - Boral Stone Products. (www.boralna.com) 1.
    - 2. Centurion Stone. (www.centurionstone.com)
    - Coronado Products, Inc. (www.coronado.com) 3.
    - 4. Eldorado Stone LLC. (www.eldoradostone.com)
    - 5. Ply Gem Siding Group. (www.plygem.com)
  - Substitutions: Under provisions of Division 01. В.

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Simulated Stone

Simulated Stone

047300-2

		NO.	DATE	REVISION B	BY		ENGINEERING   ARCHITECTURE   SURVEYING	
PROJECT DATE: TBD	DRAWN BY: SF	S .					FUNDING   PLANNING   ENVIRONMENTAL	FORESTRY PARKING LOT IMPROVEMENTS
	DESIGNED BY:					(0) MSA	332 W Superior Street, Duluth MN 55802	VILLAGE OF SOLON SPRINGS
	CHECKED BY:				-	SIGA	(218) 722-3915 www.msa-ps.com	DOUGLAS COUNTY, WISCONSIN
PLOT DATE: 7/14/2021 2:16 PM, G:\12\12036\12036004\CADD\construction documents\12036004 Existing Removals Grading.dwg					© MSA Professional Services, Inc.			

- 2.2 MATERIALS
  - A. Simulated Stone:
- 1. Composition: Portland cement, colored mineral oxides, and lightweight aggregates.
  - 2.
    - the stone on the existing building.
- 2.3 ACCESSORIES
  - A. Thinset Mortar: Type: Factory blended, consisting of Portland cement, aggregate, and latex additives.
  - Bonding Agent: Type recommended by simulated stone manufacturer for direct bonding of stone to В. masonry or concrete substrates.
  - C. Cleaner: Type recommended by stone manufacturer.

#### PART 3 EXECUTION

- 3.1 INSTALLATION OF STONE
  - Install stone in accordance with ASTM C1780, MVMA Installation Guide, and manufacturer's Α. instructions.
  - В. Blend stone from multiple boxes before installing.
  - Apply bonding agent to substrate in accordance with manufacturer's instructions. C.
  - Apply 3/8 to 1/2 inch thick mortar completely covering back of each stone. D.
  - E. Place stone in random pattern.
  - Arrange stone pattern to provide color throughout. F.
  - Set stone plumb and level. G.
  - Press stone to full contact with mortar. Н.
  - Place stone with random width joints; tool to flush profile. Τ.
- 3.2 CLEANING
  - Clean stone with detergent and water applied with fiber brush. Α.
  - В. instructions.
    - Protect adjacent surfaces. 1.
    - 2. cleaning solution.

END OF SECTION

Size, color, and surface texture: To be selected from manufacturer's full product range to match

If initial cleaning does not produce acceptable results, apply cleaner in accordance with manufacturer's

Thoroughly rinse surfaces with clean water after completion of cleaning; remove all traces of

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