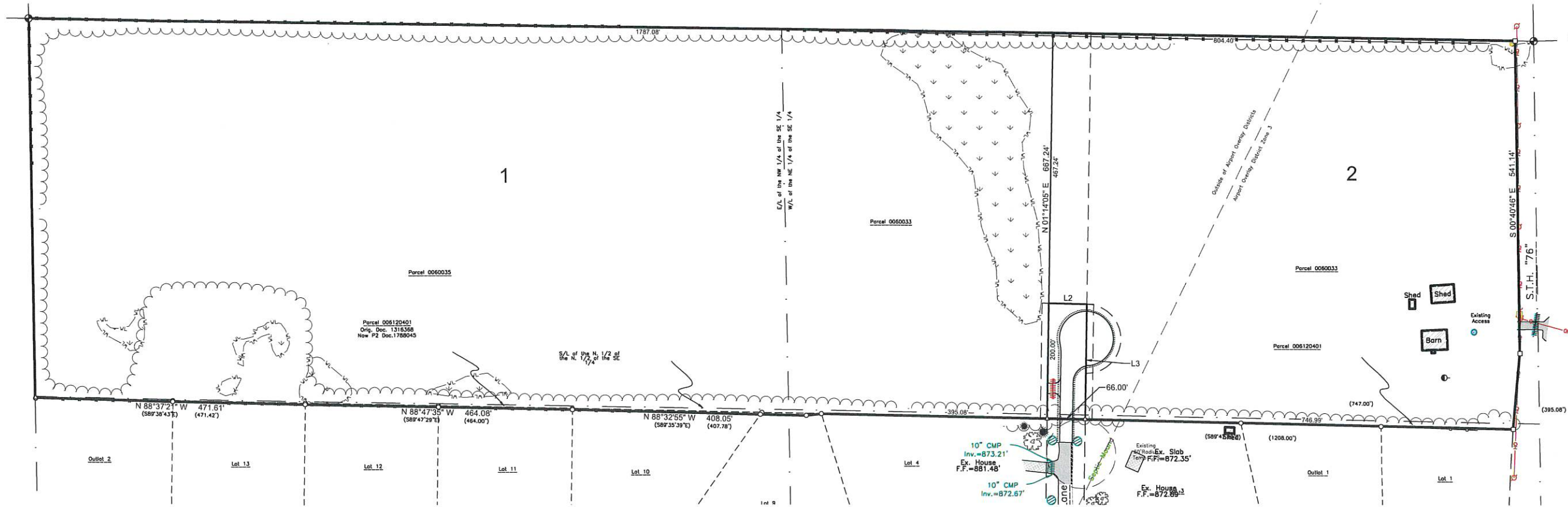
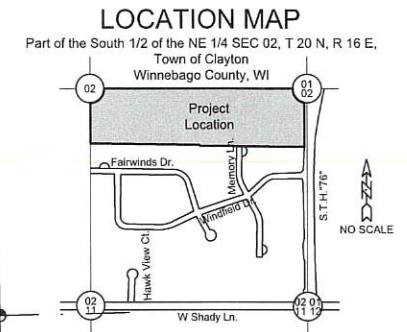


Memory Lane Extension

Town of Clayton, Winnebago County, WI
For: Justin & Kate Schroeder



Streets shall be constructed in accordance with the State of Wisconsin Standard Specifications for Highway and Structures Construction, and all Special Provisions of the Town of Clayton.

Contractor shall locate all buried facilities prior to excavating. This plan may not correctly or completely show all buried utilities.

The Contractor shall verify all staking and field layout against the plan and field conditions prior to constructing the work and immediately notify the Engineer of any discrepancies.

The Contractor shall comply with all conditions of the Erosion Control Plan and the Storm Water discharge Permit. All Erosion Control shall be done in accordance with the Plan and Wisconsin DNR Technical Standards.

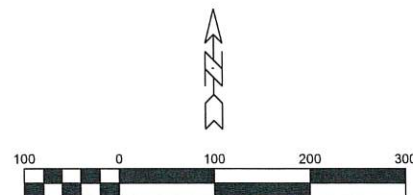
The contractor shall coordinate with provider for electric, gas, and telecommunication service connection and relocations.

Pipe lengths are measured to center of structure. Endwalls are included in pipe length.

| SHEET INDEX: | |
|---|------|
| Sheet | Page |
| Improvement Plans | 1.0 |
| Topographic Survey | 1.1 |
| Drainage, Grading and Erosion Control Plan | 1.2 |
| Construction and Erosion Control Details | 2.1 |
| Plan & Profile: Memory Lane - Sta 4+55.98 to 7+50 | 3.1 |

LEGEND

| | | | |
|---------------------|---------------------------------|--------------------------|-------------------|
| CATV | Underground Cable TV | Catch Basin / Yard Drain | CATV Pedestal |
| FO | Underground Fiber Optic | Water MH / Well | Flag Pole |
| OH | Overhead Utility Lines | Utility Pole | Deciduous Tree |
| Sto | Storm Sewer (Pipe Size) | Light Pole / Signal | Coniferous Tree |
| Fence - Barbed Wire | Treeline | Electric Pedestal | 1/4\" Rebar Found |
| Culvert | Index Contour - Existing | Telephone Pedestal | 1/2\" Rebar Found |
| 799 | Intermediate Contour - Existing | Government Corner | 1\" Rebar Found |
| Delineated Wetlands | | Recorded As | Benchmark |
| | | Asphalt Pavement | Concrete Pavement |
| | | Gravel | |



IMPROVEMENT PLANS



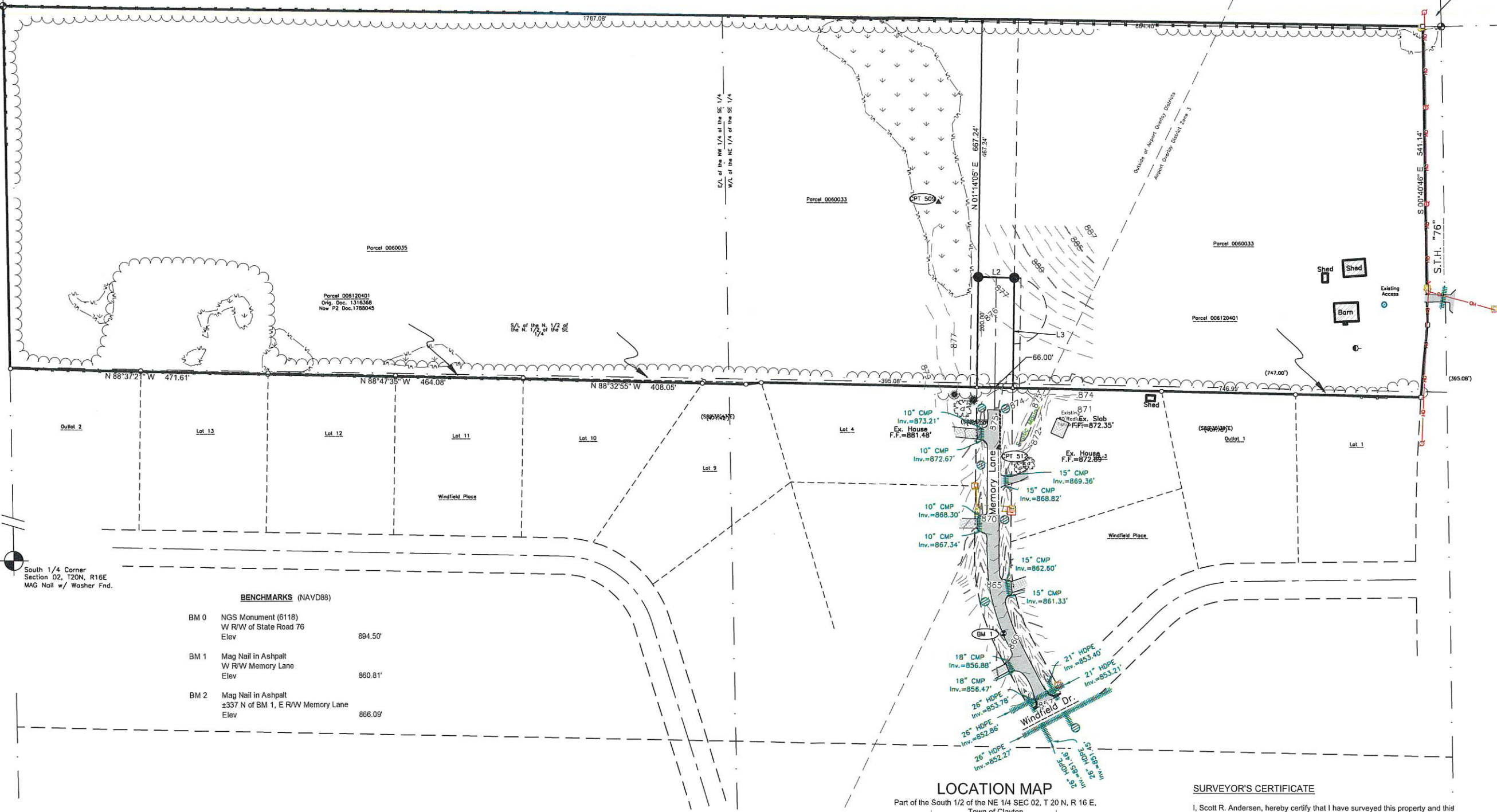
DAVEL ENGINEERING & ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davel.pro

Project Number: 8052
March 8, 2024

N00°36'20"W 2616.02'
W/L of the SE 1/4 of Section 2

Center of Section
Section 02, T20N, R16E
Aluminum Monument Fnd.

East 1/4 Corner
Section 02, T20N, R16E
Aluminum Monument Fnd.

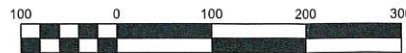


BENCHMARKS (NAVD88)

| | | |
|------|--|-----------------|
| BM 0 | NGS Monument (6118) W R/W of State Road 76 | Elev 894.50' |
| BM 1 | Mag Nail in Asphalt W R/W Memory Lane | Elev 860.81' |
| BM 2 | Mag Nail in Asphalt ±337 N of BM 1, E R/W Memory Lane | Elev 866.09' |

LEGEND

| | | | | | |
|----------|---------------------------------|---|--------------------------|---|--------------------|
| — CATV — | Underground Cable TV | ⊙ | Catch Basin / Yard Drain | ⊠ | CATV Pedestal |
| — FO — | Underground Fiber Optic | ⊙ | Water MH / Well | ⊠ | Sign |
| — OH — | Overhead Utility Lines | ⊙ | Utility Pole | ⊠ | Flag Pole |
| — OH — | Utility Guy Wire | ⊙ | Light Pole / Signal | ⊠ | Deciduous Tree |
| — ST — | Storm Sewer (Pipe Size) | ⊙ | Guy Wire | ⊠ | Coniferous Tree |
| — ST — | Fence - Barbed Wire | ⊙ | Electric Pedestal | ⊠ | 1/2" Rebar Found |
| — ST — | Treeline | ⊙ | Telephone Pedestal | ⊠ | 1" Iron Pipe Found |
| — ST — | Culvert | ⊙ | +799.9 | ⊠ | Ex Spot Elevation |
| — ST — | Index Contour - Existing | ⊙ | | ⊠ | Government Corner |
| — ST — | Intermediate Contour - Existing | ⊙ | | ⊠ | Recorded As |
| — ST — | Delineated Wetlands | ⊙ | | ⊠ | Benchmark |
| | | ⊙ | | ⊠ | Asphalt Pavement |
| | | ⊙ | | ⊠ | Concrete Pavement |
| | | ⊙ | | ⊠ | Gravel |



LOCATION MAP
Part of the South 1/2 of the NE 1/4 SEC 02, T 20 N, R 16 E,
Town of Clayton, Winnebago County, WI



SURVEYOR'S CERTIFICATE

I, Scott R. Andersen, hereby certify that I have surveyed this property and this topographical map is a true representation thereof and shows the size and location of the property and the location of all apparent roadways. I hereby certify that said topographical survey and map were made in accordance with acceptable professional standards and that the information contained thereon is, to the best of my knowledge, information and belief, a true and accurate representation thereof.

Scott R. Andersen,
Wisconsin Professional
Land Surveyor No. S-3169

Date

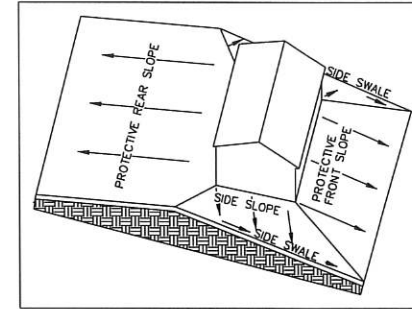
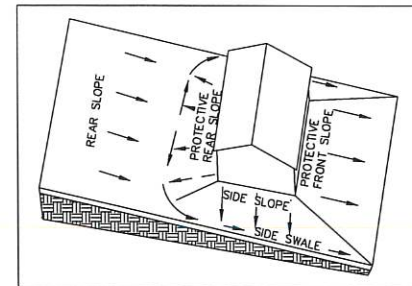
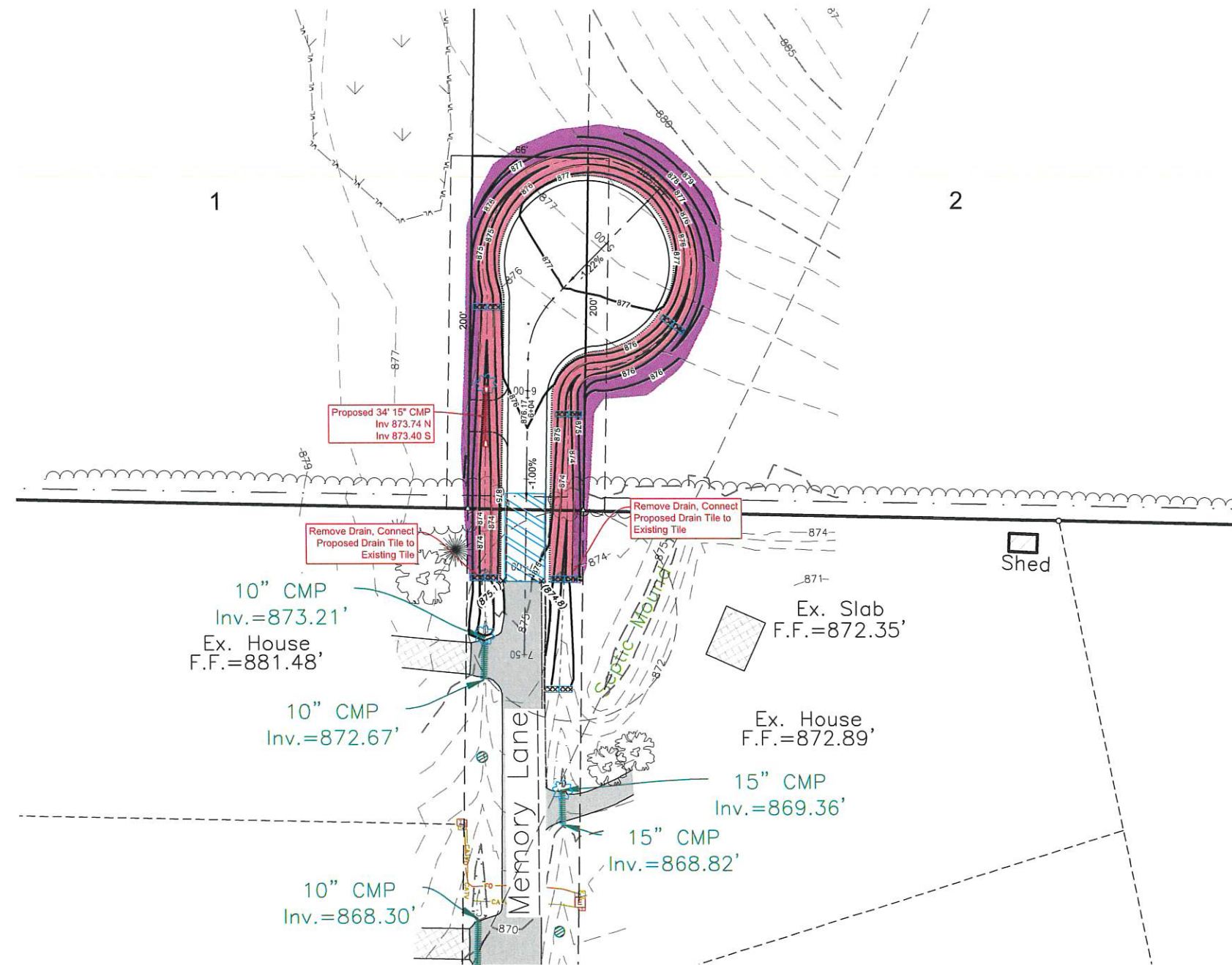
Mar 08, 2024 - 09:48 AM J:\Projects\80522ch\dwg\Civil_3D\8052Surface.dwg Printed by: Kyle

DAVE ENGINEERING & ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
PH: 920-991-1866 Fax: 920-441-0804
www.davei.pro

TOPOGRAPHIC SURVEY

Memory Lane Extension
Town of Clayton, Winnebago County, WI
For: Justin & Kate Schroeder

| | |
|----------------|-----------------|
| Date: | 03/8/2024 |
| Filename: | 8052Surface.dwg |
| Author: | RAA |
| Last Saved by: | kyle |
| Page: | 1.1 |



HOUSE ELEVATIONS:

The house elevations shall be set to provide positive drainage away from the building in all directions as shown in the above details. House elevations and driveway locations may need to vary depending on size, location, and architecture of the home. Changes to the grading plan or house elevations can be allowed only if an individual lot grading plan is prepared by a professional engineer.

BENCHMARKS (NAVD88)

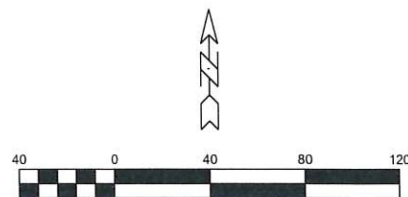
| BM | Description | Elev |
|------|--|---------|
| BM 0 | NGS Monument (6118) W R/W of State Road 76 | 894.50' |
| BM 1 | Mag Nail in Asphalt W R/W Memory Lane | 860.81' |
| BM 2 | Mag Nail in Asphalt ±337 N of BM 1, E R/W Memory Lane | 866.09' |

NOTES:

- Existing utilities shown are indicated in accordance with available records and field measurements. The contractor shall be responsible for obtaining exact locations & elevations of all utilities, including sewer and water from the owners of the respective utilities. All utility owners shall be notified by the contractor 72 hours prior to excavation. Contact Digger's Hotline (1-800-242-8511) for exact utility locations.
- The Contractor shall verify all staking and field layout against the plan and field conditions prior to constructing the work and immediately notify the Engineer of any discrepancies.
- The contractor shall minimize the area disturbed by construction as the project is constructed. Disturbed areas shall be seeded as soon as final grade is established. Contractor shall replace topsoil and then seed, fertilize and mulch all lawn areas within 1 week of topsoil placement.
- Contractor shall remove all excess materials from the site. Earthwork contractors shall verify topsoil depth.
- All sediment and erosion control devices and methods shall be in accordance with the Wisconsin DNR Technical Standards.
- The contractor shall make weekly inspections and inspections within 1 day of any rainfall exceeding 0.5 inches of the sediment and erosion control devices throughout construction. The contractor shall repair or maintain erosion control devices as necessary. The inspection reports shall be made available to the owner at the end of the construction or upon demand during construction.
- Proposed finished floor grades and/or grades at foundation are to be determined by a Professional Engineer on an individual lot basis due to lot size and elevation variation.

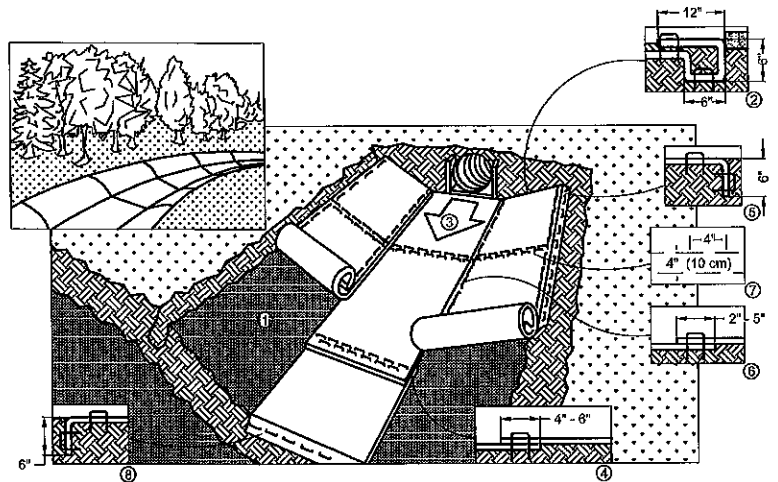
LEGEND

| | | | |
|--|---|--|--|
| <ul style="list-style-type: none"> —CATV— CATV —FO— FO —OH— OH —Sto— Sto —S10— S10 —Fence— Barbed Wire —Treeline— Treeline —Culvert— Culvert —800— Index Contour - Existing —750— Intermediate Contour - Existing —Delineated Wetlands— Delineated Wetlands | <ul style="list-style-type: none"> —Proposed Storm Sewer— Proposed Storm Sewer —Proposed Contour— Proposed Contour —Proposed Swale— Proposed Swale —Proposed Culvert— Proposed Culvert —[607.86]— Adjacent Plat Grade —608.73— Prop. Lot Corner Elevation —x 608.73— Proposed Spot Elevation —x (608.7)— Existing Grade —Proposed Silt Fence— Proposed Silt Fence —Prop. Drainage Direction— Prop. Drainage Direction —Proposed Tracking Pad— Proposed Tracking Pad —Proposed Ditch Check— Proposed Ditch Check | <ul style="list-style-type: none"> —Catch Basin / Yard Drain— Catch Basin / Yard Drain —Water MH / Well— Water MH / Well —Utility Pole— Utility Pole —Light Pole / Signal— Light Pole / Signal —Guy Wire— Guy Wire —Electric Pedestal— Electric Pedestal —Telephone Pedestal— Telephone Pedestal —+799.9— Ex Spot Elevation —CATV Pedestal Sign— CATV Pedestal Sign —Flag Pole— Flag Pole —Deciduous Tree— Deciduous Tree —Coniferous Tree— Coniferous Tree —1/2" Rebar Found— 1/2" Rebar Found —3/4" Rebar Found— 3/4" Rebar Found —1" Iron Pipe Found— 1" Iron Pipe Found —Government Corner— Government Corner —Recorded As— Recorded As —Benchmark— Benchmark —Asphalt Pavement— Asphalt Pavement —Concrete Pavement— Concrete Pavement —Gravel— Gravel | <ul style="list-style-type: none"> —Proposed Storm Manhole— Proposed Storm Manhole —Proposed Curb Inlet— Proposed Curb Inlet —Prop. Catch Basin / Yard Drain— Prop. Catch Basin / Yard Drain —Proposed Endwall— Proposed Endwall —Proposed Rip Rap— Proposed Rip Rap —Prop. Drainage Direction— Prop. Drainage Direction —Prop. Garage Floor Grade at Door— Prop. Garage Floor Grade at Door —Emergency Overflow for Runoff— Emergency Overflow for Runoff —Proposed Rip Rap— Proposed Rip Rap —Proposed Urban Type B Erosion Mat— Proposed Urban Type B Erosion Mat —Proposed Class I Type B Erosion Mat— Proposed Class I Type B Erosion Mat —Proposed Class III Type B Erosion Mat— Proposed Class III Type B Erosion Mat —Proposed Inlet Protection— Proposed Inlet Protection —Type of Inlet Protection— Type of Inlet Protection |
|--|---|--|--|



DRAINAGE, GRADING & EROSION CONTROL PLAN

Memory Lane Extension
 Town of Clayton, Winnebago County, WI
 For: Justin & Kate Schroeder



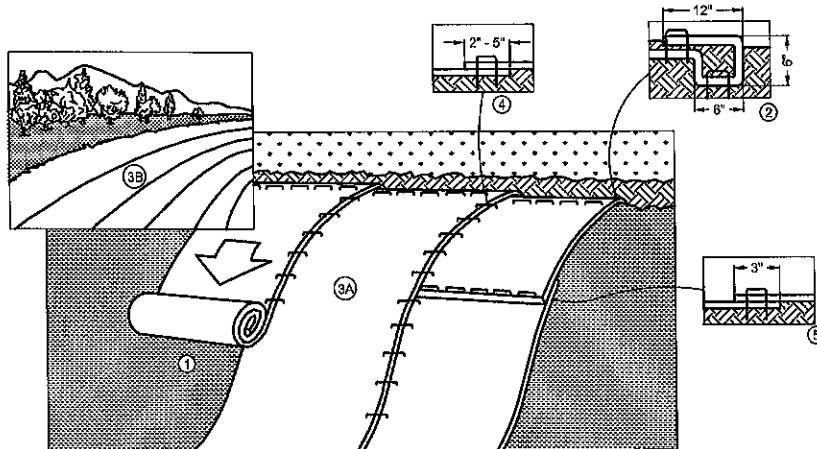
1. Prepare soil before installing Rolled Erosion Control Products (RECP's), including any necessary application of lime, fertilizer, and seed.
 2. Begin at the top of the channel by anchoring the RECP's in a 6" (15 cm) deep x 6" (15 cm) wide trench with approximately 12" (30 cm) of RECP's extended beyond the up-slope portion of the trench. Anchor the RECP's with a row of staples/stakes approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of RECP's back over seed and compacted soil. Secure RECP's over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) across the width of the RECP's.
 3. Roll center RECP's in direction of water flow in bottom of channel. RECP's will unroll with appropriate side against the soil surface. All RECP's must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide. When using the DOT system, staples/stakes should be placed through each of the colored dots corresponding to the appropriate staple pattern.
 4. Place consecutive RECP's end over end (shingle style) with a 4" - 8" (10 cm - 15 cm) overlap. Use a double row of staples staggered 4" (10 cm) apart and 4" (10 cm) on center to secure RECP's.
 5. Full length edge of RECP's at top of side slopes must be anchored with a row of staples/stakes approximately 12" (30 cm) apart in a 6" (15 cm) deep x 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
 6. Adjacent RECP's must be overlapped approximately 2" - 5" (5 cm - 12.5 cm) (depending on RECP's type) and stapled.
 7. In high flow channel applications a staple check slot is recommended at 30 to 40 foot (9 M - 12 M) intervals. Use a double row of staples staggered 4" (10 cm) apart and 4" (10 cm) on center over entire width of the channel.
 8. The terminal end of the RECP's must be anchored with a row of staples/stakes approximately 12" (30 cm) apart in a 6" (15 cm) deep x 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
- Note:
* In loose soil conditions, the use of staple or stake lengths greater than 6" (15 cm) may be necessary to properly anchor the RECP's.
9. Detail provided by North American Green (www.nagreen.com)



- Critical Points**
- A. Overlaps and seams
 - B. Projected Water line
 - C. Channel Bottom/side slope vertices

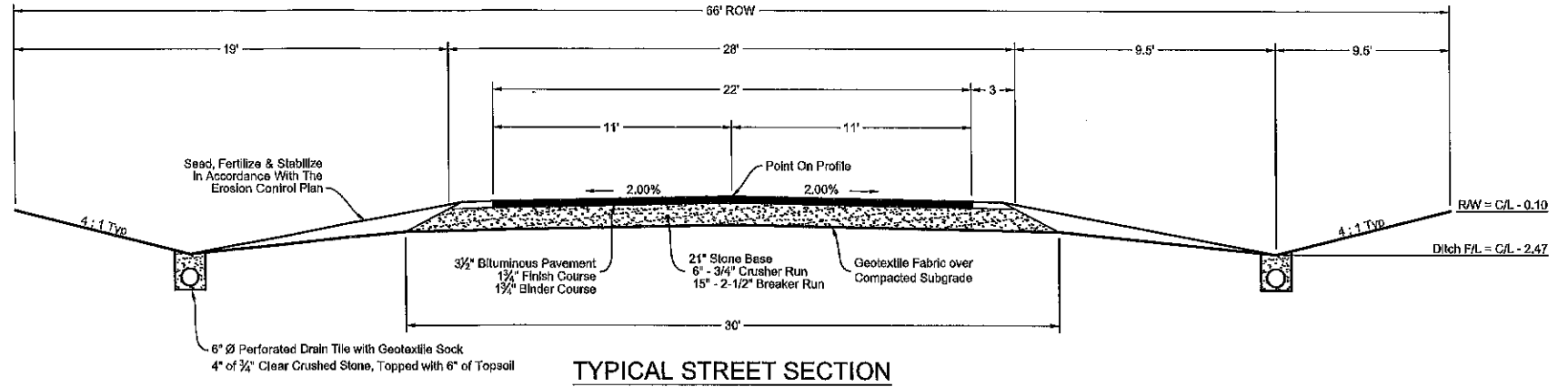
EROSION MAT CHANNEL INSTALLATION
DNR TECHNICAL STANDARD 1053

- Note:
* Horizontal staple spacing should be altered if necessary to allow staples to secure the critical points along the channel surface.
** In loose soil conditions, the use of staple or stake lengths greater than 6" (15 cm) may be necessary to properly anchor the RECP's.

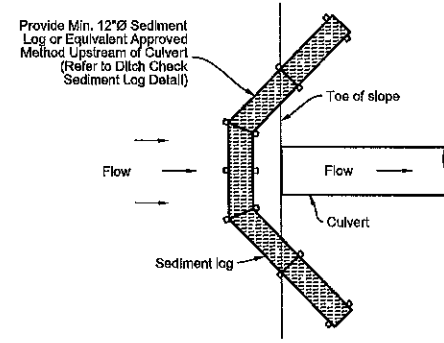


1. Prepare soil before installing Rolled Erosion Control Products (RECP's), including any necessary application of lime, fertilizer, and seed.
 2. Begin at the top of the slope by anchoring the RECP's in a 6" (15 cm) deep x 6" (15 cm) wide trench with approximately 12" (30 cm) of RECP's extended beyond the up-slope portion of the trench. Anchor the RECP's with a row of staples/stakes approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of RECP's back over seed and compacted soil. Secure RECP's over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) across the width of the RECP's.
 3. Roll the RECP's (A) down or (B) horizontally across the slope. RECP's will unroll with appropriate side against the soil surface. All RECP's must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide. When using the Dot system, staples/stakes should be placed through each of the colored dots corresponding to the appropriate staple pattern.
 4. The edges of parallel RECP's must be stapled with approximately 2" - 5" (5 cm - 12.5 cm) overlap depending on RECP's type.
 5. Consecutive RECP's spliced down the slope must be placed end over end (shingle style) with an approximate 3" (7.5 cm) overlap. Staple through overlapped area, approximately 12" (30 cm) apart across entire RECP's width.
- Note: * In loose soil conditions, the use of staple or stake lengths greater than 6" (30 cm) may be necessary to properly secure the RECP's.
6. Detail provided by North American Green (www.nagreen.com)
7. Turf Reinforcement Mats (TRM's) shall be installed in accordance with the above specifications for all RECP's. Anchoring size and pattern is to be installed per manufacturer specifications for clay soils having 4:1 slope. All TRM's shall be topsoil filled, seeded, and covered with a Class 2, Type B erosion mat in accordance with all manufacturer specifications.

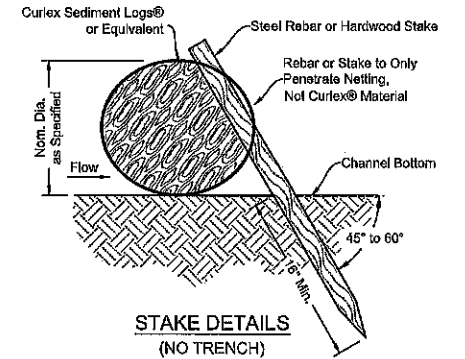
EROSION/TURF REINFORCEMENT MAT SLOPE INSTALLATION
DNR TECHNICAL STANDARD 1052



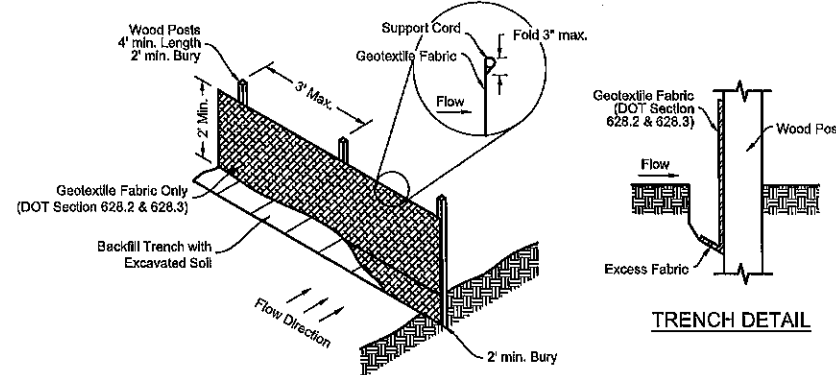
TYPICAL STREET SECTION



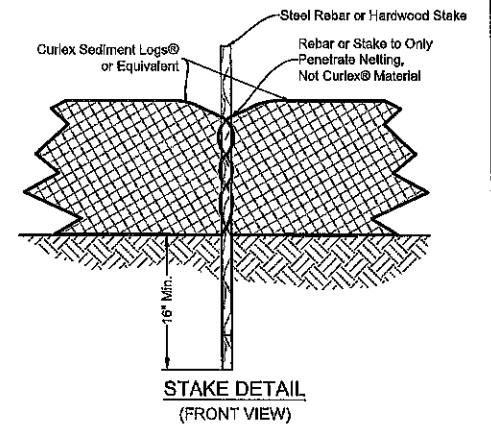
INLET PROTECTION



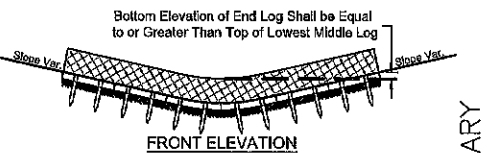
STAKE DETAILS (NO TRENCH)



TRENCH DETAIL

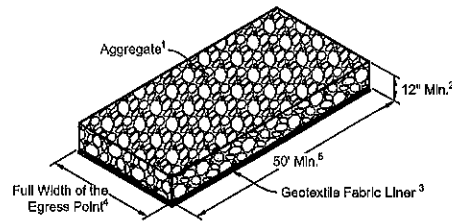


STAKE DETAIL (FRONT VIEW)



NOTE: Stake Installation shall meet manufacturer's requirements in regard to spacing, material, size, and bury depth.

SEDIMENT LOG DETAIL



TRACKING PAD DETAIL
DNR TECHNICAL STANDARD 1057

Note 1 Use hard, durable, angular stone or recycled concrete meeting the gradation in Table 1. Where this gradation is not available, meet the gradation in Wisconsin Department of Transportation (DOT) 2022 Standard Specification, Section 312, Select Crushed Material.

Note 2 Slope the stone tracking pad in a manner to direct runoff to an approved treatment practice.

Note 3 Select fabric type based on soil conditions and vehicle loading.

Note 4 Install tracking pad across full width of the access point, or restrict existing traffic to a dedicated egress lane at least 12 feet wide across the top of the pad.

Note 5 If a 50' pad length is not possible due to site geometry, install the maximum length practicable and supplement with additional practices as needed.

TABLE 1: GRADATION FOR STONE TRACKING PADS

| Sieve Size | Percent by weight passing |
|------------|---------------------------|
| 3" | 100 |
| 2-1/2" | 90-100 |
| 1-1/2" | 25-80 |
| 3/4" | 0-20 |
| 3/8" | 0-5 |

Silt fence notes:

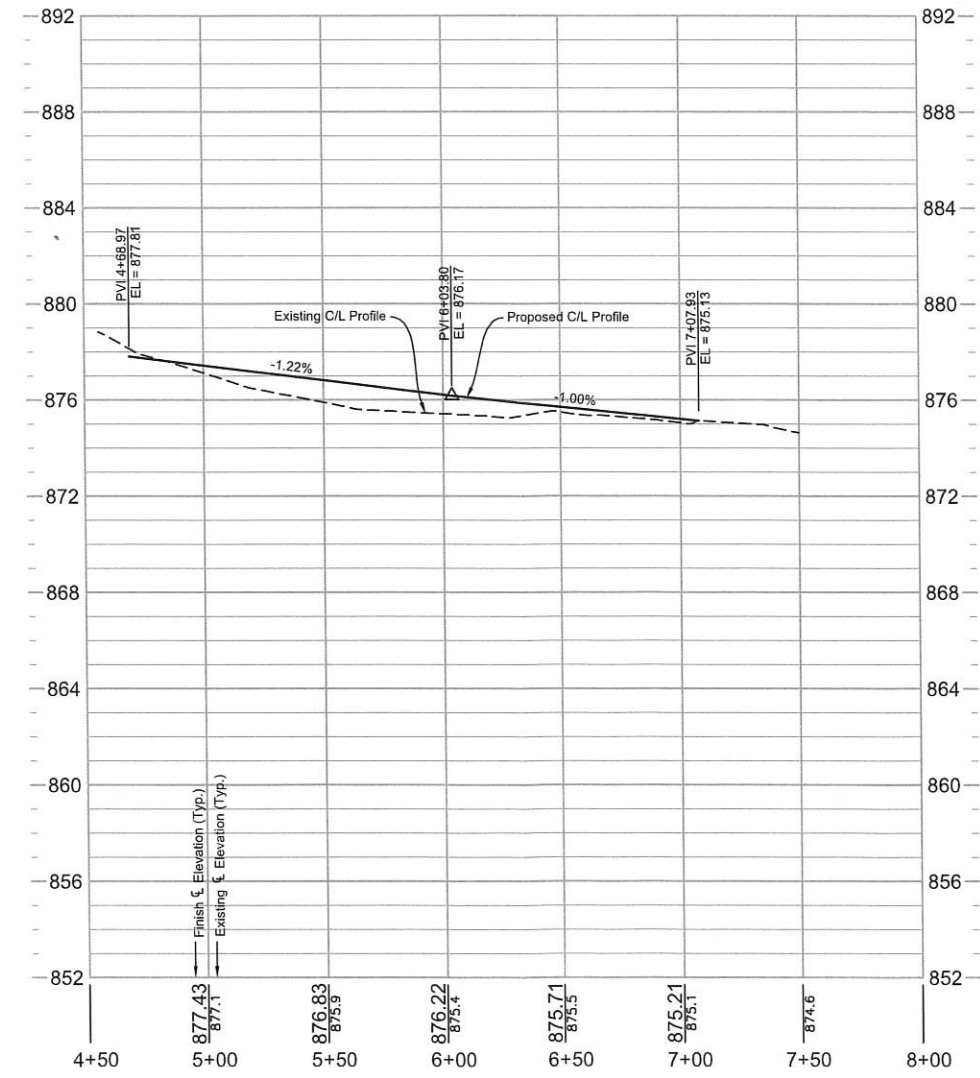
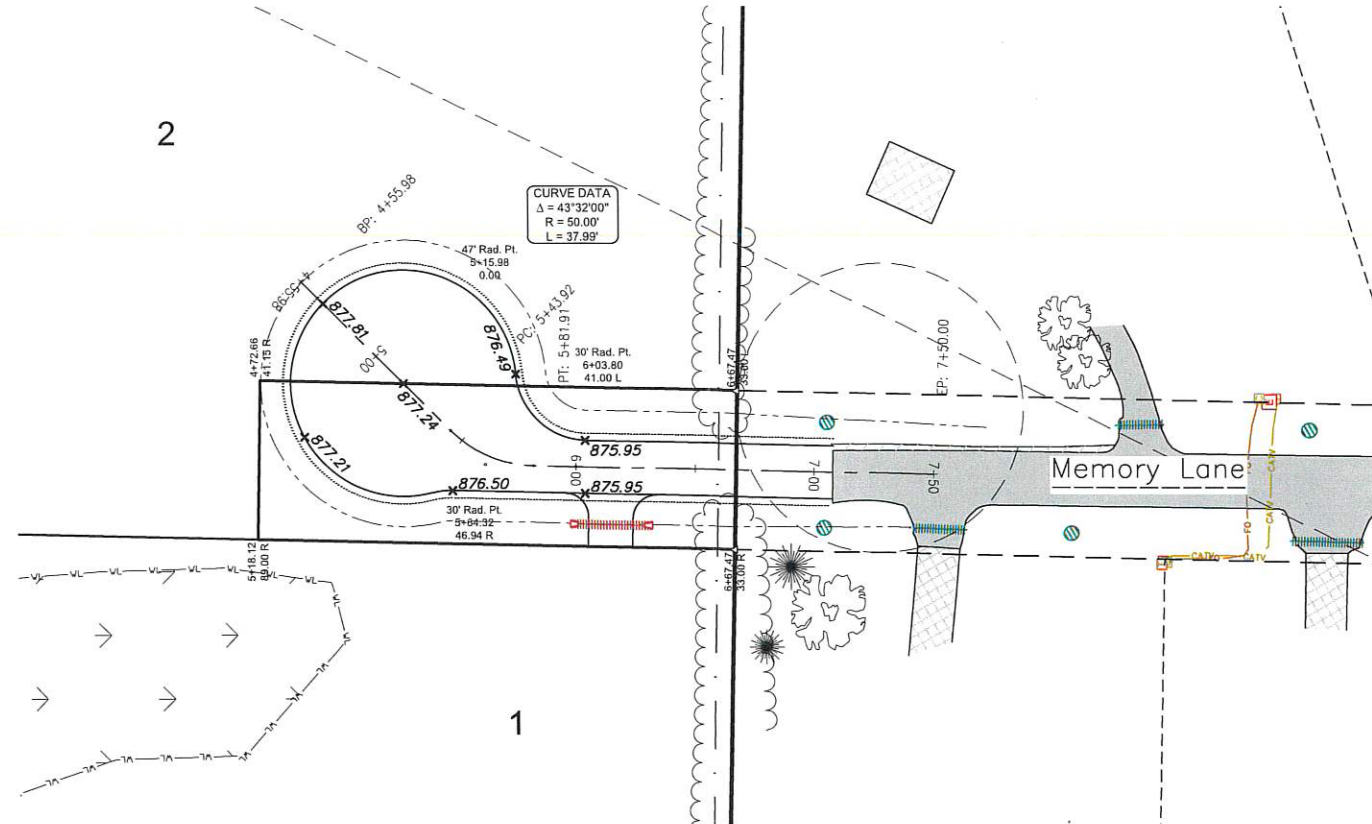
1. Detail of construction not shown on this drawings shall conform to criteria set by authorities having jurisdiction and by DNR Technical Standard 1056.
2. When possible, the silt fence should be constructed in an arc or horseshoe shape with the ends pointing upslope to maximize both strength and effectiveness.
3. Attach the fabric to the posts with wire staples or wooden lath and nails.
4. 8'-0" post spacing allowed if a woven geotextile fabric is used.
5. Trench shall be 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 soil.
6. Geotextile fabric shall be reinforced with an industrial polypropylene netting with a maximum mesh spacing of 3/4" or equal. A heavy-duty nylon top support chord or equivalent is required.
7. Steel posts shall be studded "tee" or "u" type with a minimum weight of 128 lbs/lineal foot (without anchor). Pin anchors shall be a minimum size of 4" diameter or 1 1/2" x 3 1/2", except wood posts for geotextile fabric reinforced with netting shall be a minimum size of 1 1/8" x 1 1/8" oak or hickory.

SILT FENCE INSTALLATION

DNR TECHNICAL STANDARD 1056

CONSTRUCTION & EROSION CONTROL DETAILS

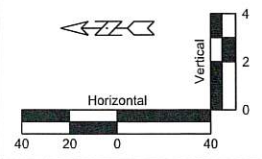
Memory Lane Extension
Town of Clayton, Winnebago County, WI
For: Justin & Kate Schroeder



NOTES:
 RADIUS STATIONING IS TO BACK OF CURB.
 g14.16 = PROPOSED GRADE
 ENDWALLS ARE INCLUDED IN CULVERT LENGTH

LEGEND

| | |
|--|------------------------------|
| | Proposed Storm Sewer |
| | Proposed Sanitary Sewer |
| | Proposed Water Main |
| | Proposed Swale/Ditch |
| | Proposed Culvert |
| | Proposed Storm Manhole |
| | Proposed Sanitary Manhole |
| | Proposed Curb Inlet |
| | Prop. Catch Basin/Yard Drain |
| | Proposed Endwall |
| | Proposed Hydrant |
| | Proposed Valve |
| | Proposed Tee |
| | Proposed Cross |
| | Proposed Bend |
| | Proposed Reducer |
| | Proposed Plug |



Memory Lane Extension
 Town of Clayton, Winnebago County, WI
 For: Justin & Kate Schroeder

IMPROVEMENT PLANS
 Memory Lane
 Sta 4+55.98 to 7+50

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