

# PUBLIC WORKS COMMITTEE MEETING July 11, 2022 at 4:30 p.m. Caledonia Village Hall – 5043 Chester Lane

- 1. Call to Order
- 2. Approval of Minutes
- 3. No Parking Discussion on Button Bush Road
- 4. Adjournment

July 8, 2022

Joslyn Hoeffert Village Clerk

Only committee members are expected to attend. However, attendance by all Board members (including non-members of the committee) is permitted. If additional (non-committee) Board members attend, three or more Board members may be in attendance. Section 19.82(2), Wisconsin Statutes, states as follows:

If one-half or more of the members of a governmental body are present, the meeting is rebuttably presumed to be for the purposes of exercising the responsibilities, authority, power or duties delegated to or vested in the body.

To the extent that three or more members of the Caledonia Village Board actually attend, this meeting may be rebuttably presumed to be a "meeting" within the meaning of Wisconsin's open meeting law. Nevertheless, only the committee's agenda will be discussed. Only committee members will vote. Board members who attend the committee meeting do so for the purpose of gathering information and possible discussion regarding the agenda. No votes or other action will be taken by the Village Board at this meeting.

Trustee Weatherston called the meeting to order at 4:30 p.m. in the Boardroom of the Village Hall, 5043 Chester Lane, Racine, Wisconsin.

Present were: Trustee Weatherston and Trustee McManus

Absent: Public Services Director Anthony Bunkelman

Staff present: Village Engineer Ryan Schmidt, Trustee Stillman

## 1. Approval of minutes

Motion by Trustee McManus to approve the minutes from the May 9, 2022, meeting.

Seconded by Trustee Weatherston. Motion carried unanimously.

## 2. 4124 Mona Park Road - Turnaround "T" Extension East End of Mona Park Road

#### **Remarks:**

From: Scott Fiorita

#### **BACKGROUND INFORMATION**

Re: 4124 Mona Park Road – Turnaround "T" Extension East End of Mona Park Road

Based on a letter that was sent to Tony Bunkelman from Scott Fiorita (see attachment) the Engineering Department and Highway Department were requested to review safety concerns with an inadequately sized Turnaround "T" located at the East end of Mona Park Road. Larger Vehicles such as garbage trucks cannot turn their vehicles around in the space provided and are having to back in and out of Mona Park Road creating a potential safety issue.

#### RECOMMENDATION

Rich, Ryan, Jackson, and Bill met on site on 6-7-22. Mr. Flynn was also present. The Engineering Department identified the Right of Way and/or Road Easement area. See attached survey. The Engineering Department recommended opening up/blowing out the silted in cmp (located in the turnaround) that drains under Mona Park Road. The Highway Department should daylight the cmp and install swales/regrade area to ensure proper drainage to the South is maintained. If the cmp does not require replacement, a 45° bend with an extension and apron may be necessary to widen the tum on the Northwest side of the T. The Village Standard for the gravel/paved portion of a Turnaround "T" is 25' wide for a distance of 50' from the centerline of the road. In this case, on the North side of the "T", there is a fire hydrant, cross culvert, water valve, and some large pine trees that will interfere with those dimensions. The Highway Department will try to install the "T" as close to the standard as possible. Some trees and bushes may need to be removed. The

Highway Department will also need to widen and lengthen the South side of the Turnaround "T" as well. This area is open and does not have any obstructions in it so making it conform to the standard should not be a problem. On the South side of the "T" there is an easement/access that extends down to the Root River. People using this access may be tempted to park their vehicles there when using the access, restricting the use of the turnaround, causing larger vehicles to have to back down Mona Park Road again. It is recommended to install No Parking signage to ensure that the "T" will be kept open and unobstructed.

### 4124 Mona Park Road - Turnaround "T" Extension East End of Mona Park Road

Public Works Committee Members discussed the Engineering & Hwy Departments recommendation to install a Turnaround "T". The Committee Members asked if John's Disposal was informed of the proposed work. Village Engineer Ryan Schmitt stated, the Village could inform John's Disposal of those road changes.

Motion by Trustee McManus to recommend approval for no parking to be added at the end of Mona Park Rd, in anticipation of widening that turnaround zone.

Seconded by Trustee Weatherston. Motion carried unanimously.

# 3. Driveway Culvert Replacement - Culver Cost updates

Memorandum:

From: Anthony A. Bunkelman – Public Services Director

#### **BACKGROUND INFORMATION**

Re: Driveway Culvert Replacement – Culvert Cost updates

The Village of Caledonia instituted a cost share for the replacement of driveway culverts for property owners. The cost share calculations were performed in 2009 and can be found in Resolution 2009-25.

In 2009, the cost for the culverts alone were 12" - \$497.80, 15" - \$610.00, 18" - 701.00, 21" - \$825.30, & 24" - \$946.00. These culvert costs have been fairly close to these approved costs up to recently. Due to rising costs in culverts, the staff is concerned about the effect of the price of culverts not being in line with the times. The staff has obtained an updated price sheet from Western Culvert & Supply Inc. This price sheet shows that the current culvert costs are significantly higher than the culvert costs from 2009. The attached sheets indicate that the costs of the culverts have increased by as little as 48% to as much as 58%. It is being recommended that the costs for the driveway culvert replacement be updated as shown on the attached sheet.

# <u>Driveway Culvert Replacement – Culvert Cost updates:</u>

Public Works Committee Members discussed the proposed reasoning for the culvert cost adjustments.

Motion by Trustee McManus move to approve the attached sheets for updated culvert replacement costs for 2022. Move to recommend to the Village Board that the attached Resolution with updated culvert replacement costs that replaces Resolution 2009-25 be adopted.

Seconded by Trustee Weatherston. Motion carried unanimously.

## 4. Adjournment

Trustee McManus motioned to adjourn. Seconded by Trustee Weatherston. Motion carried unanimously. Meeting adjourned at 4:43 p.m.

Respectfully submitted, Erika Waege, Public Services Administrative Coordinator

# **MEMORANDUM**

DATE:

Thursday, July 7, 2022

TO:

**Public Works Committee** 

FROM:

RE:

Anthony A. Bunkelman P.E.
Public Services Director

No Parking requested for Button Bush Drive

#### **BACKGROUND INFORMATION**

The construction of Button Bush Drive in Prairie Pathways Phase IV is currently underway. In a recent discussion with the Highway Department, the maintainability of the road was reviewed as far as Winter operations (Snow Plowing) and the signage layout was also reviewed. In looking at the width of the road and pavement (22' of pavement and 27' back of curb to back of curb), it will be difficult in the Winter months to plow snow in the Public Road if there are cars parked on both sides of the road.

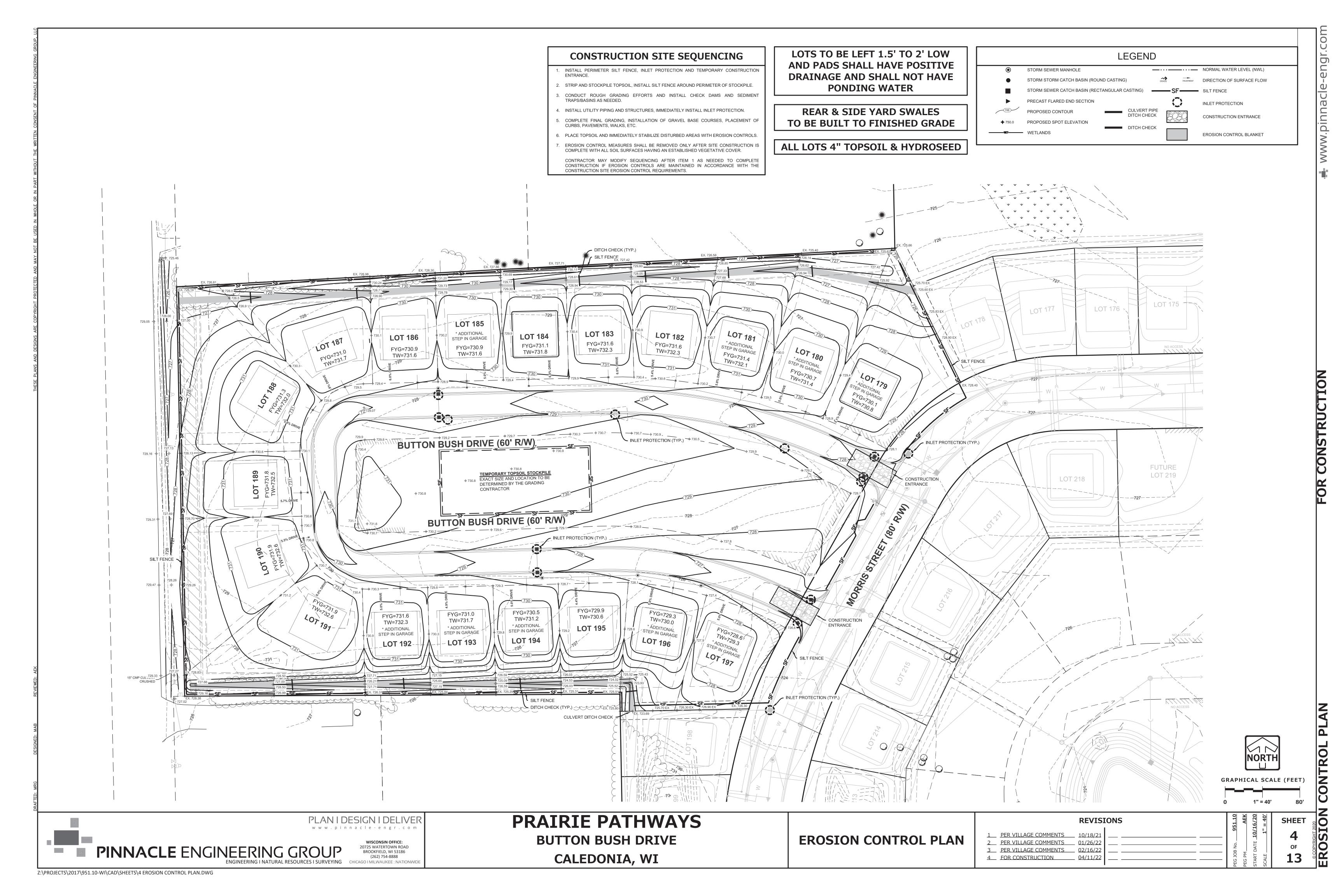
With the 19 proposed single-family homes and the short front yard setbacks, it is anticipated that there will be parking of vehicles on Button Bush Drive. This will lead to issues with plowing snow on Button Bush Drive. When vehicles park on both sides of the street, coupled with the width of the snowplows and that it is a narrow road, the road cannot be plowed without property damage to either the Village snow plows or the parked vehicles. This creates an unsafe situation where Public Roads cannot be cleared of snow.

To be proactive, it is being requested that the outside lanes (North side on North road, South side on South road and West side of West road) of Button Bush Drive be posted with No Parking from November 15<sup>th</sup> through April 1<sup>st</sup> of each year.

#### RECOMMENDATION

Move to recommend to the Legislative and Licensing Committee that Ordinance 10-1-12 is amended to add the outside lanes of Button Bush Drive to the Parking Prohibited Zones from November 15th through April 1st of each year.

Move to recommend to the Village Board that Ordinance 10-1-12 is amended to add the outside lanes of Button Bush Drive to the Parking Prohibited Zones from November 15th through April 1st of each year and the Highway Department is directed to install the necessary signs to post No Parking.



# **EROSION CONTROL SPECIFICATIONS & REQUIREMENTS**

- ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN EPA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT (WPDES PERMIT NO. WI-S067831-4) FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH LOCAL. STATE AND FEDERAL TECHNICAL STANDARDS AND PROVISIONS IN EFFECT AT THE TIME OF CONSTRUCTION. THESE PROCEDURES AND STANDARDS SHALL BE REFERRED TO AS BEST MANAGEMENT PRACTICES (BMPs), IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF AND UNDERSTAND THE BMP's PRIOR TO THE START OF CONSTRUCTION
- QUALIFIED PERSONNEL: (PROVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF ALL 0.5-INCH OR MORE PRECIPITATION EVENTS WITH A MINIMUM INSPECTION INTERNAL OF ONCE EVERY SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A QUALIFYING RAIN OR SNOWFALL EVENT. REPORTING SHALL BE IN ACCORDANCE WITH THE GENERAL PERMIT CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/REPLACED.
- POST WNDR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- KEEP COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- MODIFICATIONS TO THE APPROVED SWAPP IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMPS. ALL MODIFICATIONS MUST BE APPROVED BY OWNER/ENGINEER/GOVERNING AGENCY PRIOR TO DEVIATION OF THE

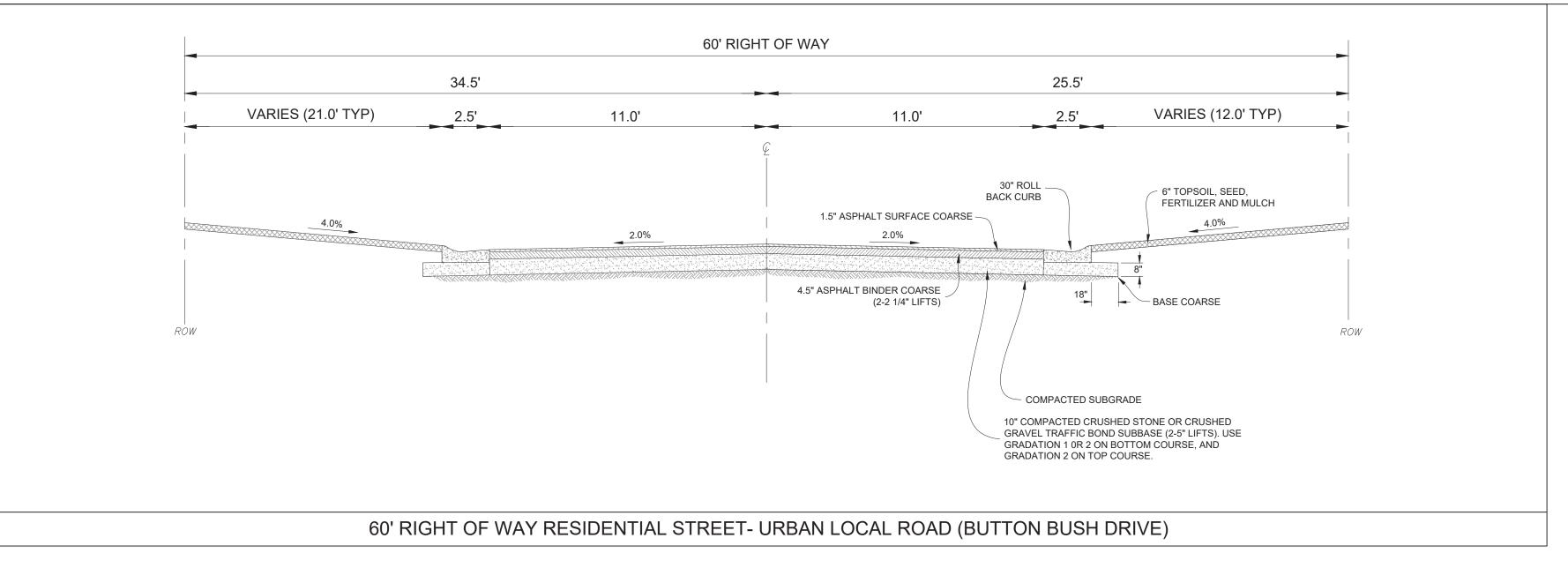
APPROVED PLAN.

- OWNER/CONTRACTOR/DESIGN ENGINEER IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER, KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN
- WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS). MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.

- 9. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS.
- 10. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCES PRIOR TO ANY LAND-DISTURBUNG ACTIVITIES. INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING
- #1057 FOR ROCK CONSTRUCTION ENTRANCES. 11. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY LIPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
- 12. WHERE POSSIBLE, STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
- 13. NOTIFY OWNER & ENGINEER IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70) GPM OR MORE). DEWATERING ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED.
- 14. PUMPS MAY BE USED AS BYPASS DEVICES IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS. PUMP DISCHARGE SHALL BE DIRECTED INTO APPROVED FILTER BAG OR APPROVED SETTLING DEVICE.
- 15. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING TO EITHER (A) THE SEDIMENT BASIN/TRAP DESIGN DISCHARGE RATE, OR (B) THE BASIN DESIGN RELEASE RATE WITH THE CORRECTLY-FITTED HOSE AND GEOTEXTILE FILTER BAG. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DEWATERING #1061.
- 16. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP #1063.
- 17. CONSTRUCT AND PROTECT THE BIOINFLTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION #1004. BIOINFILTRATION MAY BE USED AS A SEDIMENT

- BASIN DURING CONSTRUCTION. DO NOT EXCAVATE FINAL 1' OR INSTALL STONE/ENGINEERED MEDIA UNTIL UPSTREAM AREA IS STABILIZED. WHEN THIS ACCOMPLISHED, REMOVE THE FINAL 1' PLUS ANY SOIL WHICH APPEARS TO BE IMPACTED BY SEDIMENT AND COMPLETE CONSTRUCTION OF BIOINFILTRATION AREA.
- 18. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER
- 19. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY, REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE. INSTALL AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- 20. INSTALL AND MAINTAIN FILTER SOCK IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
- 21. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- 22. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS OR ANNUAL RYE. AS APPROPRIATE FOR REGION AND SOIL TYPE, OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX. AS APPROPRIATE FOR REGION AND SOIL TYPE.
- 23. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- 24. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE MUNICIPALITY. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
- 25. OWNER IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES
- 26. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTE OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING
- 27. COORDINATE WITH THE OWNER, ENGINEER AND DNR

- REPRESENTATIVE TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS OR COMPACTED EARTHEN BERMS)
- 28. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES. PROVIDE CLASS AND TYPE MATTING FOR THE SPECIFICATIONS UNLESS SPECIFIED OTHERWISE ON THE PLANS. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WISDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
- 29. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS AND TYPE MATTING FOR THE SPECIFICATIONS UNLESS SPECIFIED OTHERWISE ON THE PLANS. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WISDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
- 30. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
- 31. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC) OR AS DIRECTED BY OWNER, MUNICIPALITY, OR DNR
- 32. OWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIED INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WNDR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM PUBLIC DATABASE.
- 33. MAINTAIN SOIL EROSION CONTROL DEVICE THROUGH THE DURATION OF THIS PROJECT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS ARE FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, DISTURBANCE ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
- 34. NOTIFY THE OWNER IMMEDIATELY IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS.



**PINNACLE ENGINEERING GROUP** 

PLAN I DESIGN I DELIVER

20725 WATERTOWN ROAD BROOKFIELD, WI 53186

PRAIRIE PATHWAYS **BUTTON BUSH DRIVE** CALEDONIA, WI

**CONSTRUCTION DETAILS & SPECIFICATIONS** 

**REVISIONS** 1 PER VILLAGE COMMENTS 3 PER VILLAGE COMMENTS 4 FOR CONSTRUCTION

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