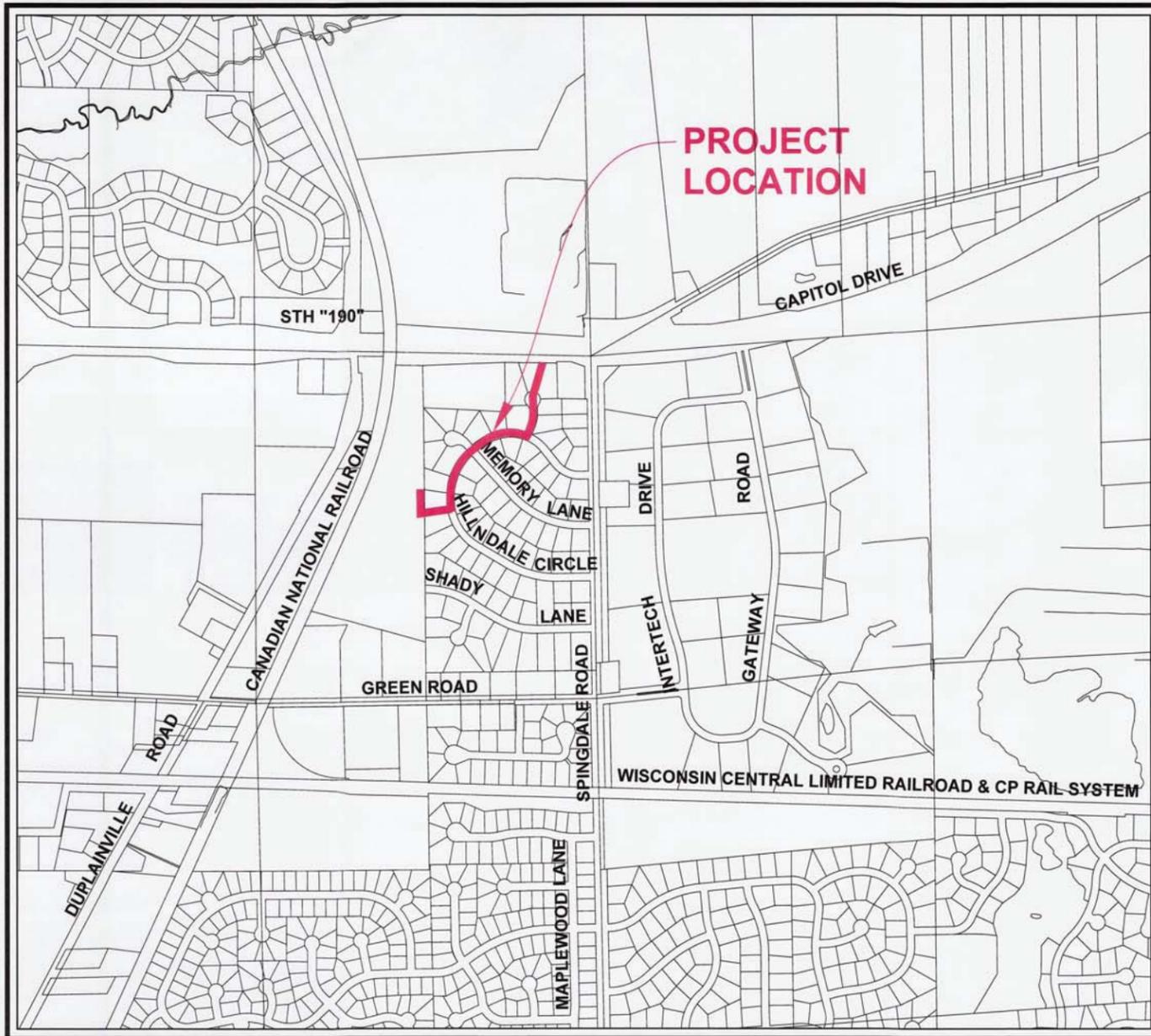




HILL N' DALE DRAINAGE IMPROVEMENT PROJECT

CITY OF PEWAUKEE
WAUKESHA COUNTY, WISCONSIN
PROJECT # ST-22-57301



LOCATION MAP

TOWN	RANGE	SECTION (s)
7 N	19 E	12 SE

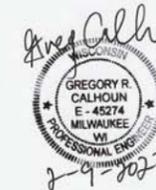


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LEGEND - CIVIL ENGINEERING DRAWINGS

⊕ GENERIC MANHOLE	☐ TELEPHONE BOX	⚡ FLAG POLE	— PROPOSED SILT FENCE
○ VENT	⊕ TELEPHONE MANHOLE	✉ MAIL BOX	— PROPOSED SANITARY SEWER (PLAN VIEW)
○ SEWER MANHOLE	☐ CABLE BOX	⌚ POST	— PROPOSED STORM SEWER (PLAN VIEW)
○ CLEAN OUT	⊗ UTILITY POLE	⊕ DELINEATOR POST	— PROPOSED WATER MAIN
⊕ SEPTIC SYSTEM	⊕ GUY WIRE	⊕ MARKER POST	--- PROPOSED SLOPE INTERCEPT
⊕ SEPC SEPTIC TANK COVER	⊗ LIGHT POLE	⌚ SIGN	■ PROPOSED DETECTABLE WARNING FIELD
⊕ SEPV SEPTIC VENT	⊗ YARD LIGHT	⌚ PILING	● PROPOSED SANITARY MANHOLE
⊕ MWEL MONITORING WELL	⊕ TRAFFIC SIGNAL	A/C AIR CONDITIONER	⌚ PROPOSED SANITARY RISER
x WATER VALVE	⊕ PULL BOX	⊗ RAILROAD SIGNAL FLASHER	⊕ PROPOSED WATER VALVE
⊕ HYDRANT	— 8" SAN SWR SANITARY SEWER	⊕ RAILROAD SIGNAL BOX	⌚ PROPOSED HYDRANT
⊕ YARD HYDRANT	— 6" MM WATER MAIN	⊕ RAILROAD SPIKE	⌚ PROPOSED YARD HYDRANT
⊕ WATER VALVE MANHOLE	— 8" STO SWR STORM SEWER	⊕ STUMP	⌚ PROPOSED WATER VALVE MANHOLE
⊕ WATER CURB STOP	— G UNDERGROUND GAS MAIN	⊕ DECIDUOUS TREE	⌚ PROPOSED WATER MAIN REDUCER
⊕ WELL	— E UNDERGROUND ELECTRIC	⊕ DECIDUOUS MULTIPLE TRUNK TREE	⌚ PROPOSED WATER MAIN OFFSET
⊕ SPRINKLER HEAD	— T UNDERGROUND TELEPHONE	⊕ CONIFEROUS MULTIPLE TRUNK TREE	⌚ PROPOSED WATER MAIN PLUG
⊕ STORM CATCH BASIN	— FO UNDERGROUND FIBER OPTIC	⊕ CONIFEROUS TREE	⌚ PROPOSED WATER MAIN PLUG W/AIR RELEASE
⊕ STORM INLET	— C UNDERGROUND TV CABLE	⊕ CONTROL POINT	⌚ PROPOSED WATER MAIN CROSS
⊕ GAS MANHOLE	— E EDGE OF PAVEMENT	⊕ IRON PIPE	⌚ PROPOSED WATER MAIN TEE
⊕ GAS VALVE	--- EDGE OF GRAVEL SHOULDER	⊕ IRON ROD	⌚ PROPOSED WATER MAIN BEND (ANGLE NOTED)
⊕ GAS METER	--- EDGE OF CONCRETE	⊕ SECTION CORNER	⌚ PROPOSED LOCATOR BOX
⊕ GAS VENT	--- DITCH	⊕ MONUMENT	⌚ PROPOSED STORM INLET/CATCH BASIN
⊕ GAS VALVE TEST	--- TOE OF SLOPE	⊕ TEST BORING	⌚ PROPOSED STORM MANHOLE
⊕ GAS CURB STOP	--- TOP OF BANK	⊕ PK NAIL	⌚ PROPOSED DITCH CHECK
⊕ ELECTRIC BOX	--- FENCE	⊕ DECORATIVE ROCK	⌚ PROPOSED INLET PROTECTION
⊕ ELECTRIC MANHOLE	⊕ GUARD RAIL	⊕ REVISION LABEL	
⊕ ELECTRIC METER	⊕ CULVERT (SIZE & TYPE NOTED)	⊕ WETLANDS	
	⊕ RAILROAD TRACKS	⊕ WATER ELEVATION	
	⊕ EDGE OF TREES & BRUSH		



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PROJECT NO. 26-92203.200

HILL N DALE DRAINAGE IMPROVEMENTS

CITY OF PEWAUKEE

WAUKESHA COUNTY, WISCONSIN

PROJECT # ST-22-57301

SHEET INDEX

SHEET NO.	LOCATION	DESCRIPTION
GENERAL		
INDEX-01		INDEX SHEET
EROSION CONTROL		
EC-01		POND EROSION CONTROL PLAN
EC-02		EROSION CONTROL PLAN
GRADING PLAN		
GR-01		PROPOSED GRADING PLAN
PROPOSED DITCHING		
PS-01	IN: HILL N' DALE CIRCLE PROPOSED DITCHING	FROM: 600' SOUTH OF MEMORY LANE TO: 50' SOUTH OF MEMORY LANE
PS-02	IN: HILL N' DALE CIRCLE PROPOSED DITCHING	FROM: 50' SOUTH OF MEMORY LANE TO: 100' NORTHWEST OF BONNIE LANE
PS-03	IN: HILL N' DALE CIRCLE PROPOSED DITCHING	FROM: 100' NORTHWEST OF BONNIE LANE TO: 100' SOUTHEAST OF BONNIE LANE
PS-04	IN: BONNIE LANE PROPOSED DITCHING	FROM: HILL N' DALE CIRCLE TO: CAPITOL DRIVE/STH *190*
CONSTRUCTION DETAILS		
DT-01 TO DT-02		CONSTRUCTION DETAILS
CROSS SECTIONS		
CS-01 TO CS-04		HILL N DALE CIRCLE CROSS SECTIONS

TOWN: 7 N RANGE: 19 E SECTION(S): 12 SE



HILL N' DALE DRAINAGE IMPROVEMENTS
INDEX SHEET
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WAUKESHA COUNTY, WISCONSIN

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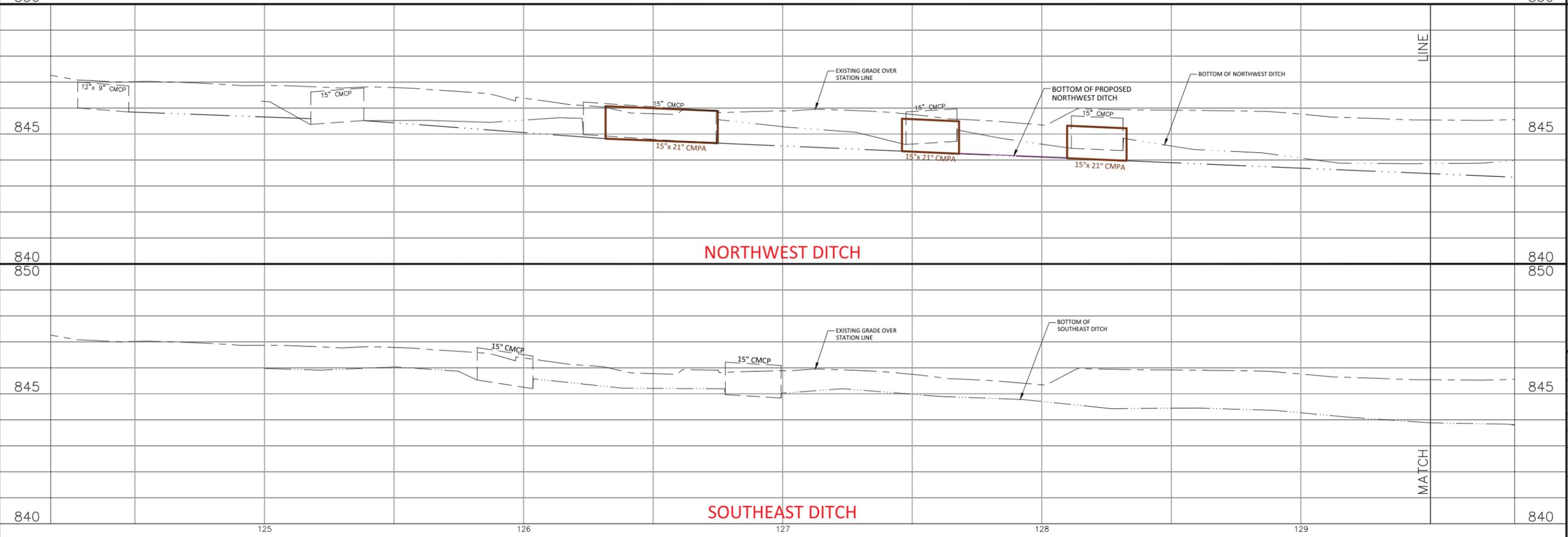
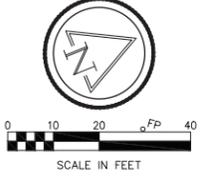
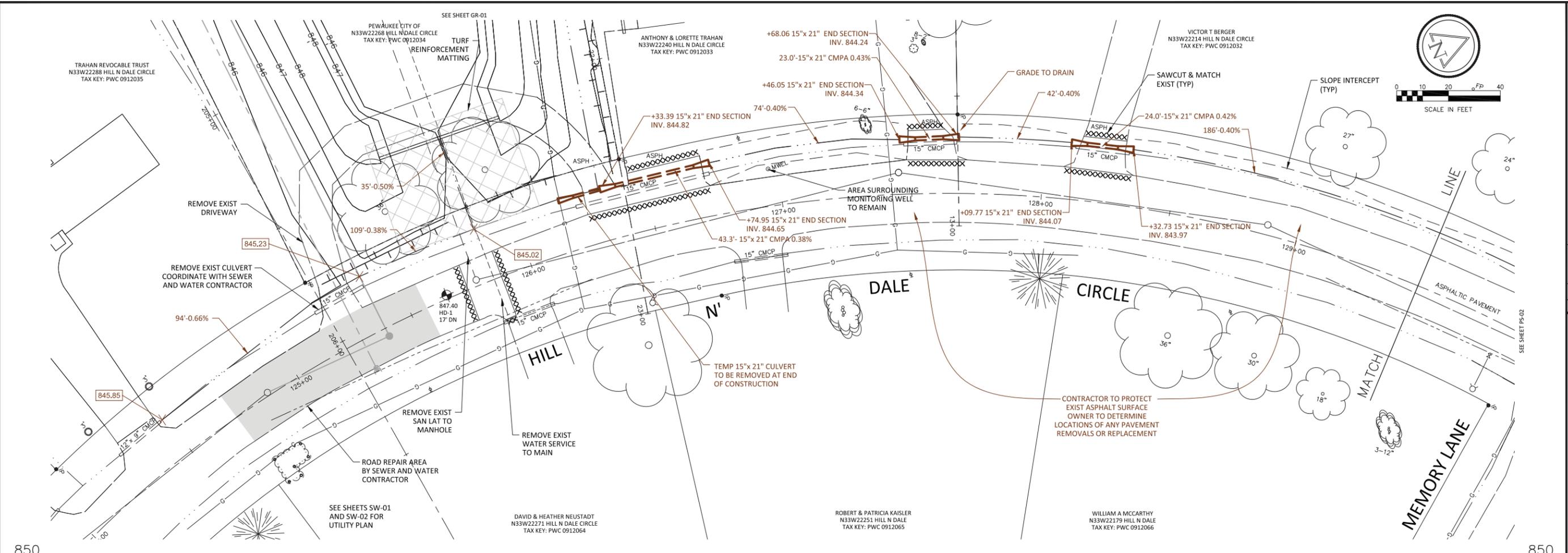
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FILE NO.
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SHEET NO.
INDEX-01

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SECTION(S) 12 SE
RANGE 19 E
TOWN 7 N

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HILL N DALE DRAINAGE IMPROVEMENTS
PROPOSED DITCHING
IN: HILL N DALE CIRCLE
FROM: 600' SOUTH OF MEMORY LANE
TO: 50' SOUTH OF MEMORY LANE
CITY OF PEWAUKEE
WAUKESHA COUNTY, WISCONSIN

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SHEET NO.
PS-01

Feb. 08. 2023 9:50am PLOTTED BY: JNyenhus SAVED BY: JNyenhus
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EROSION CONTROL NOTES:

1. FOLLOW REQUIREMENTS OF WDNR APPROVED AND CITY OF PEWAUKEE TECHNICAL STANDARDS.
2. CONTRACTOR SHALL REPAIR DEFICIENT EROSION AND SEDIMENT CONTROL MEASURES WITHIN 24-HOURS AFTER INSPECTION. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES NOT SHOWN ON THIS PLAN MAY BE NECESSARY AS DIRECTED BY OWNER AND/OR ENGINEER.
3. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE NECESSARY AS A RESULT OF THE CONTRACTORS METHODS.
4. CONTRACTOR SHALL NOTIFY AND OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER OF PROPOSED CHANGES TO THE EROSION PLAN AND/OR SEQUENCE PRIOR TO IMPLEMENTING THE CHANGE.
5. ENGINEER IS UNDER NO OBLIGATION TO ALTER EROSION PLAN AND/OR SEQUENCE.
6. CONTRACTOR SHALL SWEEP ROADS DAILY IF NECESSARY TO REMOVE SEDIMENT TRACKED ONTO THE ROADS.
7. MAINTAIN SITE DRAINAGE AT ALL TIMES DURING CONSTRUCTION.
8. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE WISCONSIN DNR TECHNICAL STANDARDS AND EROSION CONTROL SPECIFICATIONS SECTION 01 57 13 OF THE PROJECT MANUAL.
9. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE CONSTRUCTION SEQUENCE, AND FOR MAINTAINING AND REPAIRING EROSION AND SEDIMENT CONTROL DEVICES.
10. EXCESS MATERIAL THAT IS HAULED OFF SITE SHALL BE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR TO NOTIFY OWNER OF ALL FILL AND BORROW SITES. CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING AND COMPLYING WITH NECESSARY EROSION CONTROL MEASURES ON THOSE SITES. DISPOSAL LOCATION(S) MAY NEED DNR APPROVAL PRIOR TO COMMENCING WORK.
11. EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF AT LOCATION SECURED BY CONTRACTOR.
12. EXCESS FILL/BORROW MATERIAL OR SPOILS KEPT ON SITE SHOULD BE STOCKPILED ON UPLAND AREAS AN ADEQUATE DISTANCE AWAY FROM WETLANDS AND THE WATERWAYS. PILES OF STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION AND SHALL NOT CREATE NUISANCE DUST EMISSIONS.

CONSTRUCTION SEQUENCE:

1. COORDINATE ALL GRADING ACTIVITIES WITH SEWER AND WATER CONTRACTOR IN A SEPARATE CONTRACT. DO NOT INTERFERE WITH SEWER AND WATER OR ACCESS ROAD.
2. INSTALL TRAFFIC CONTROL MEASURES.
3. INSTALL AND MAINTAIN ALL TEMPORARY EROSION CONTROL MEASURES. MAINTAIN MEASURES AT THE END OF EACH DAY.
4. CLEAR AND GRUB ALL VEGETATION WITHIN LIMITS SHOWN ON PLANS.
5. COMPLETE DITCHING AND CULVERT REPLACEMENT WORK PER PLANS ALONG HILL N' DALE CIRCLE, BONNIE LANE AND WITHIN DRAINAGE EASEMENT.
6. EXCAVATE TOPSOIL LAYER IN DETENTION POND AREA PER PLANS. STOCKPILE EXCAVATED TOPSOIL MATERIAL IN DESIGNATED TOPSOIL STOCKPILE LOCATION.
7. GRADE AND SHAPE PROPOSED DETENTION POND BASIN AND BERM PER PLANS. INSTALL CONCRETE WEIR OUTLET STRUCTURE.
8. AREAS PLANNED TO BE INACTIVE FOR 7 DAYS OR LONGER SHALL BE TEMPORARILY STABILIZED FOLLOWING DNR TECHNICAL STANDARDS 1059 SEEDING. THESE AREAS SHALL BE STABILIZED WITHIN 7 DAYS OF BEING INACTIVE.
9. AREAS BROUGHT TO FINAL GRADE SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS.
10. COMPLETE FINAL RESTORATION, INCLUDING BUT NOT LIMITED TO, TOPSOIL, SEED, FERTILIZER AND EROSION MAT.
11. REMOVE TEMPORARY EROSION CONTROL DEVICES AFTER 70% GROWTH DENSITY HAS BEEN ACHIEVED IN 100% OF RESTORATION AREAS. CONTRACTOR SHALL OBTAIN OWNER AND ENGINEER APPROVAL PRIOR TO REMOVING THE MEASURES. RESTORE DISTURBED AREAS AROUND REMOVED DEVICES AND CLEAN SITE.

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TOWN: 7N						
RANGE: 19E						
SECTION(S): 12 SE						

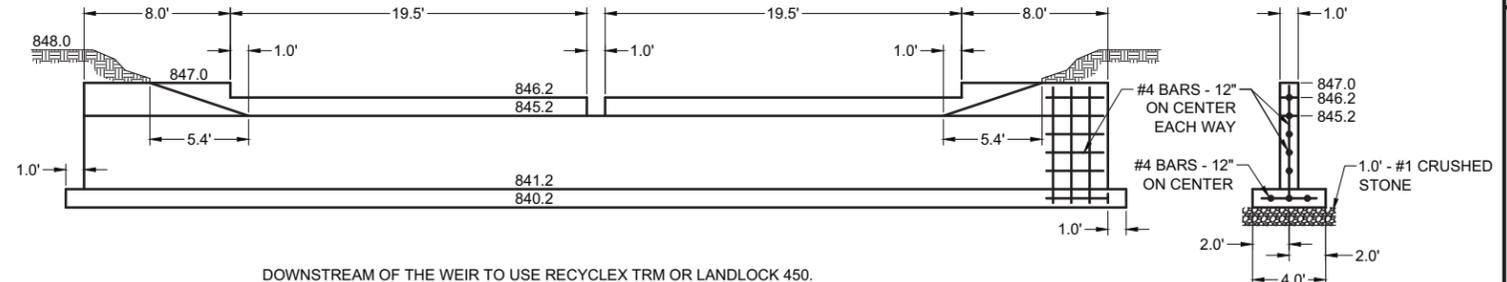
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HILL N' DALE DRAINAGE IMPROVEMENTS
 CONSTRUCTION DETAILS
 CITY OF PEWAUKEE
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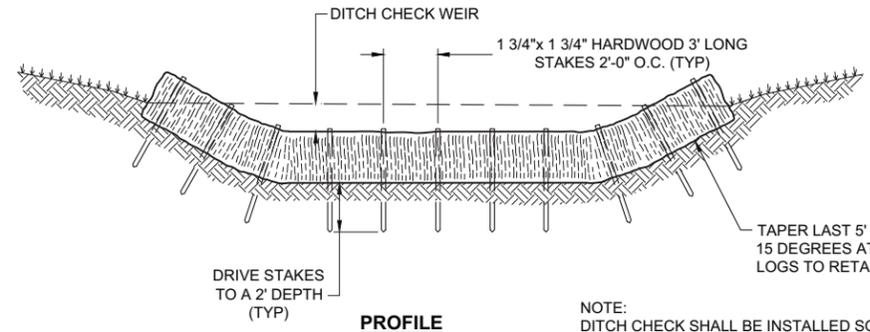
POND OUTLET STRUCTURE TO BE A REINFORCED CONCRETE WEIR STRUCTURE SHOP DRAWINGS FOR THE DESIGN OF THE STRUCTURE WILL BE REQUIRED



DOWNSTREAM OF THE WEIR TO USE RECYCLEX TRM OR LANDLOCK 450. SEED ABOVE AND BELOW TRM. TRM TO BE FILLED ABOVE WITH TOPSOIL AND CLASS 1 TYPE B ECRM (MINIMUM)

POND OUTLET STRUCTURE CONCRETE WEIR DETAIL

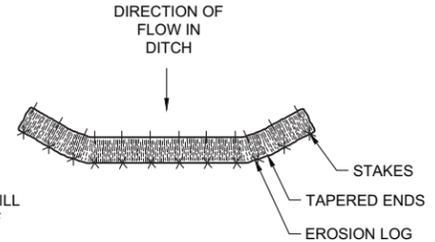
Concrete Weir 10 NO SCALE



PROFILE

MANUFACTURED DITCH CHECK DETAIL

EC-DITCH-10 16 NO SCALE



PLAN

NOTE: DITCH CHECK SHALL BE INSTALLED SO THAT THE ENDS OF THE CHECK ARE HIGHER IN ELEVATION THAN THE MIDDLE IN ORDER TO FORM A WEIR.

GENERAL NOTES

1. TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
2. WOOD POSTS SHALL BE A MINIMUM SIZE OF 3/4" x 5/8" OF OAK OR HICKORY.
3. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: (A) TWIST METHOD -- OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 90 DEGREES. (B) HOOK METHOD -- HOOK THE END OF EACH SILT FENCE LENGTH.

NOTE: ADDITIONAL POST DEPTH OR THE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

TRENCH DETAIL

TIE BACK BETWEEN FENCE POST AND ANCHOR

SILT FENCE TIE BACK (WHEN ADDITIONAL SUPPORT REQUIRED)

TWIST METHOD

JOINING TWO LENGTHS OF SILT FENCE

HOOK METHOD

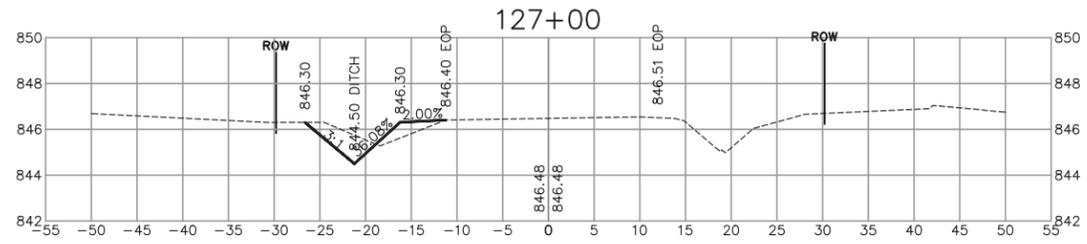
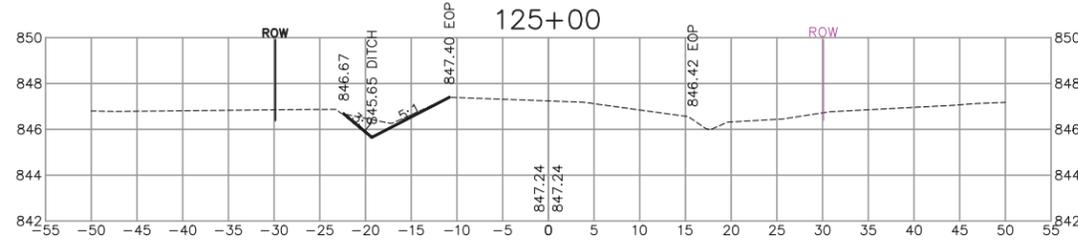
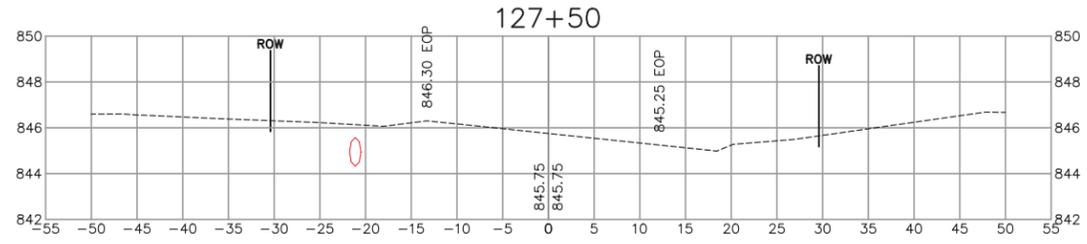
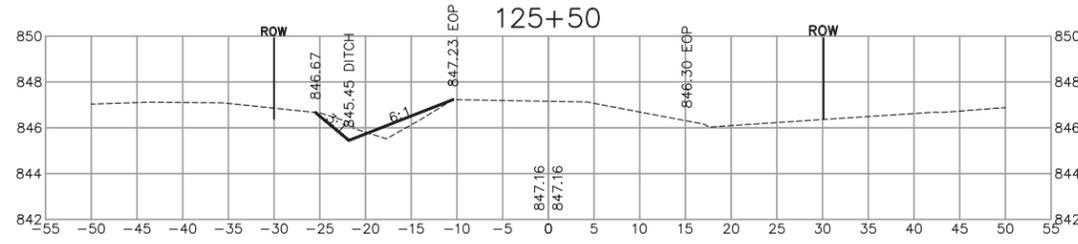
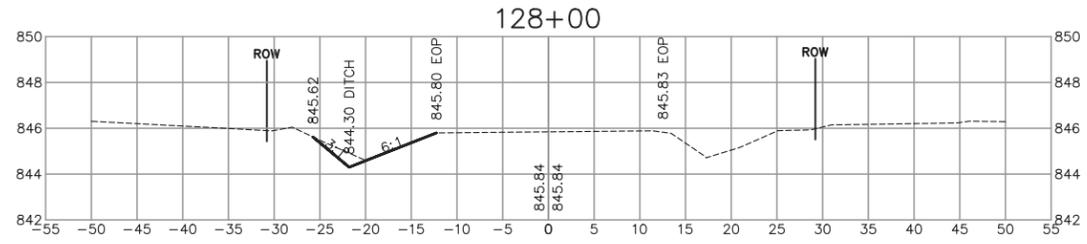
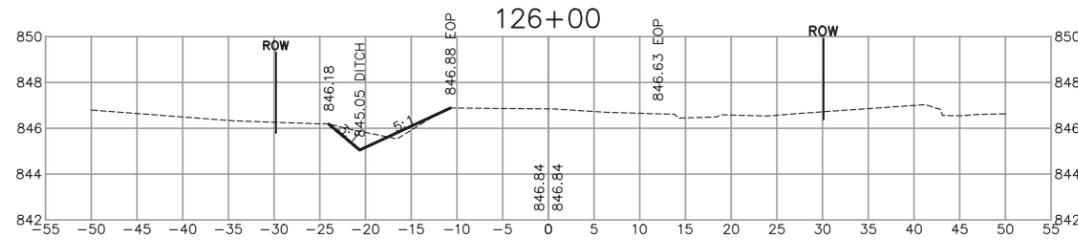
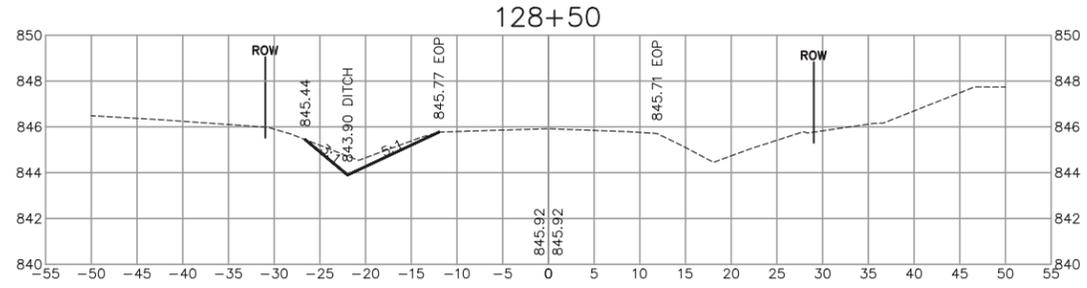
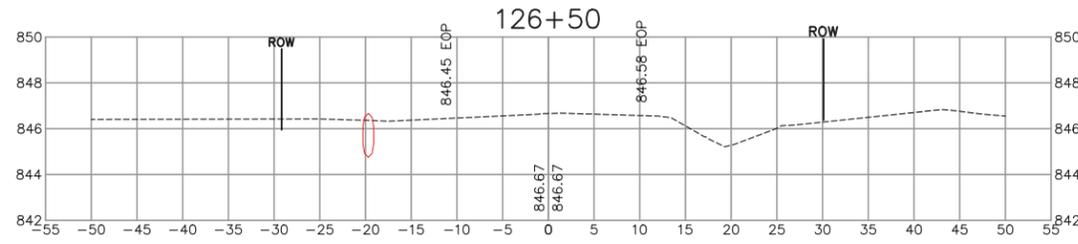
This drawing based on Wisconsin Department of Transportation Standard Detail Drawing B E 9-1.

SILT FENCE

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7	TOWN 7 N	RANGE 19 E	SECTION 12 SE
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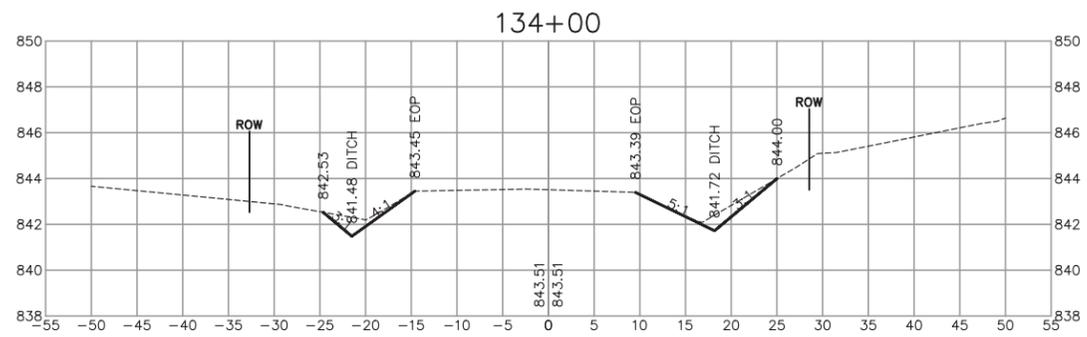
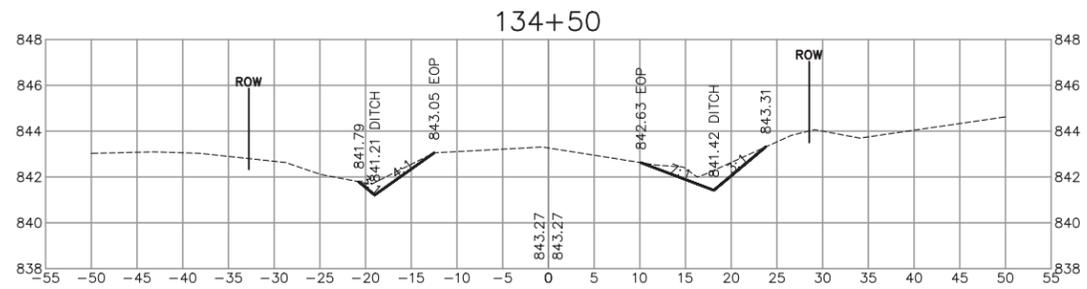
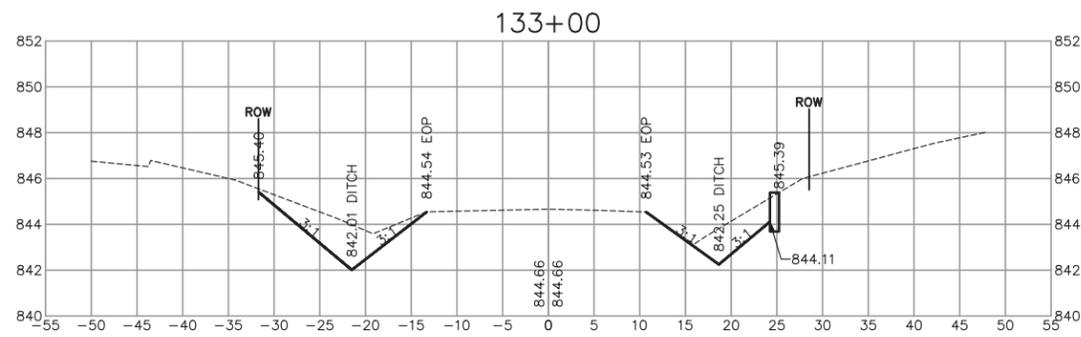
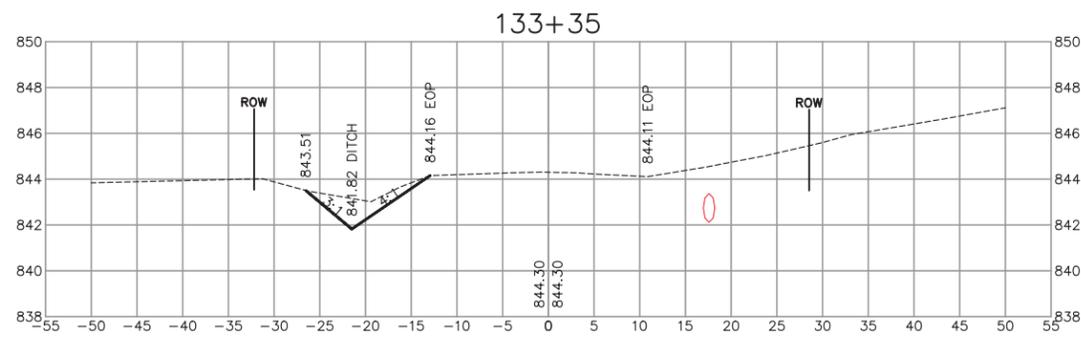
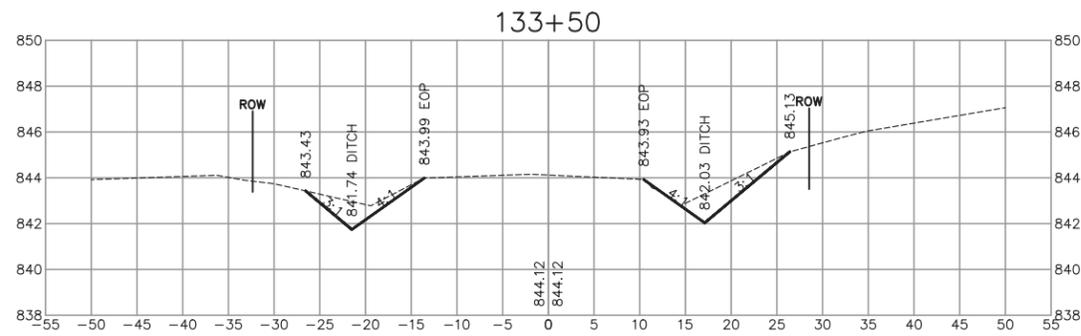
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 HILL N DALE CIRCLE CROSS SECTIONS
 CITY OF PEWAUKEE
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