

THE RESERVE - PHASE 4

THE RESERVE, LLC

PLAN OF PROPOSED IMPROVEMENT

CITY OF SUN PRAIRIE

DANE COUNTY, WI

July 27, 2022

PROJECT CONTACTS

CITY OF SUN PRAIRIE
 TOM VEITH - ASSISTANT CITY ENGINEER
 300 E. MAIN STREET
 SUN PRAIRIE, WI 53590
 PHONE: 608-825-1170

GAS - WE ENERGIES
 JOHN ANDERSON - PAVING COORDINATOR
 500 S. 116 STREET
 WEST ALLIS, WI 53215
 PHONE: 1-800-261-5325

ELECTRIC - SUN PRAIRIE UTILITIES
 KARL DAHL
 124 W. MAIN STREET
 SUN PRAIRIE, WI 53590
 PHONE: 608-445-7063

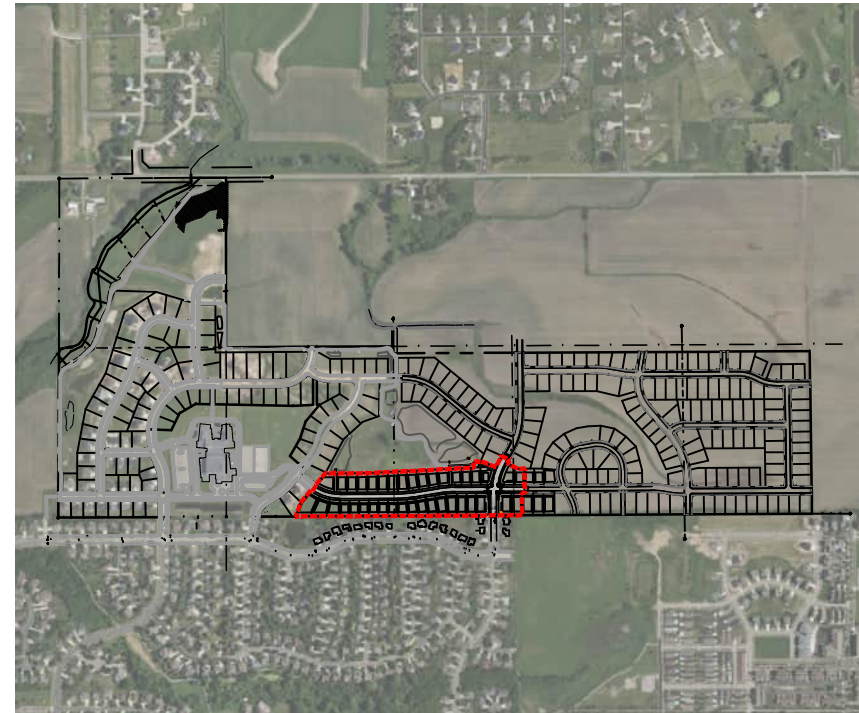
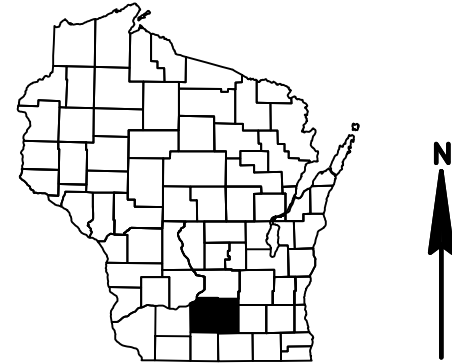
TELEPHONE - FRONTIER COMMUNICATIONS
 DANA GILLET
 100 COMMUNICATIONS DRIVE
 SUN PRAIRIE, WI 53590
 PHONE: 608-837-1605

CABLE TV - CHARTER COMMUNICATIONS
 KIRK UPPERMAN
 2701 DANIEL STREET
 MADISON, WI 53718
 PHONE: 608-274-3822

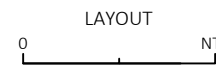
INTERNET - TDS
 MARK FOX
 PHONE: 608-663-3138

ORDER OF SHEETS

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PROJECT LOCATION



ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "CITY OF SUN PRAIRIE STANDARD SPECIFICATIONS", LATEST EDITION.

CONTRACTOR SHALL NOTIFY PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO EXISTING SEWER OR WATER MAIN, AND STARTING ALL PHASES OF CONSTRUCTION



PROJECT DESIGNER:
 DATE:

PROJECT OWNER:



The Reserve, LLC
 161 Horizon Drive
 Suite 101A
 Verona, WI 53593

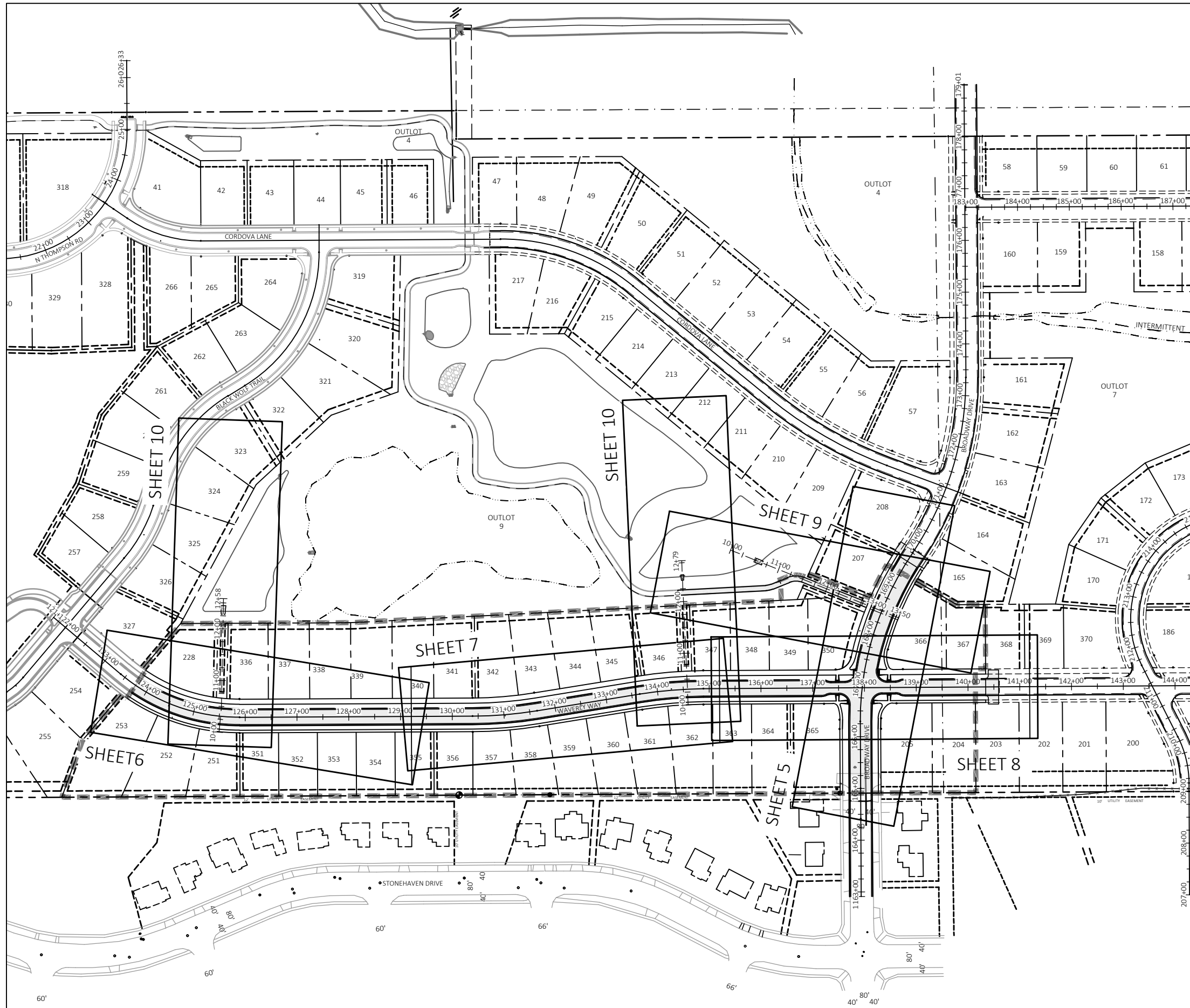
PLANS PREPARED BY:



EMMONS & OLIVIER RESOURCES, INC.
 1334 DEWEY COURT, MADISON, WI 53703
 (608)839-4422
 Deb Hatfield, Civil Engineer

NO.	DATE	DESCRIPTION
1		
2		

PROJECT ID: 1735-0004
 REVISION DATE:



GENERAL NOTES

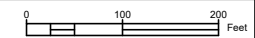
1. NO WORK SHALL BEGIN UNTIL THE CITY HAS INDICATED THAT ALL COMPONENTS OF THE DEVELOPER'S AGREEMENT HAVE BEEN SATISFIED.
2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY OF SUN PRAIRIE STANDARD SPECIFICATIONS FOR PUBLIC WORKS IMPROVEMENTS.
3. COPIES OF ALL FIELD ORDERS AND SHOP DRAWINGS MUST BE GIVEN TO THE CITY'S INSPECTOR AND TO THE CITY OF SUN PRAIRIE (CITY ENGINEER'S OFFICE) PRIOR TO COMMENCING WITH THE WORK.
4. TWO COPIES OF SHOP DRAWINGS FOR THE MATERIALS TO BE INSTALLED MUST BE RECEIVED PRIOR TO START OF CONSTRUCTION.
5. THE CITY OF SUN PRAIRIE MUST APPROVE THE SUBSTITUTION OF MATERIALS AND CHANGES IN WORK. SUFFICIENT TIME FOR REVIEW OF THESE ISSUES MUST ACCOMPANY THE SUBMITTAL TO THE CITY.
6. A PRE-CONSTRUCTION MEETING SHALL BE HELD BEFORE CONSTRUCTION BEGINS ON THE PUBLIC INFRASTRUCTURE IMPROVEMENTS.
7. THE MOST CURRENT EDITION OF THE CITY OF SUN PRAIRIE'S STANDARD SPECIFICATIONS SUPERCEDE THE PLANS AND SPECIFICATIONS FURNISHED FOR THIS PROJECT IN CASE OF A CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS

REV	DESCRIPTION	DATE
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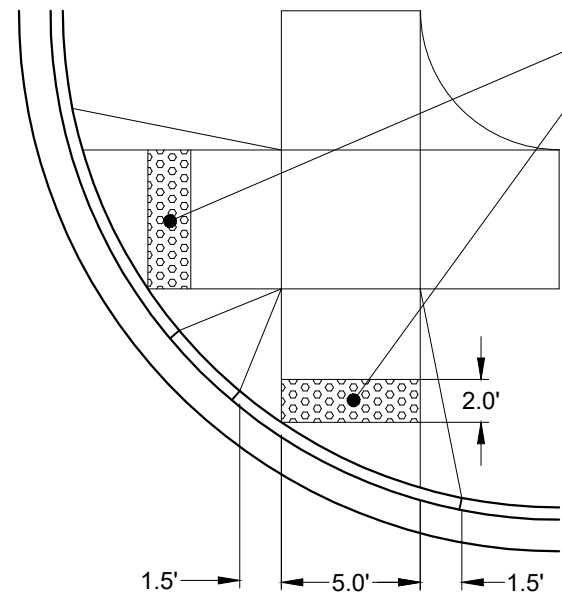
PROJECT: THE RESERVE - PHASE 4

CLIENT: THE RESERVE, LLC

INDEX SHEET



SHEET 2

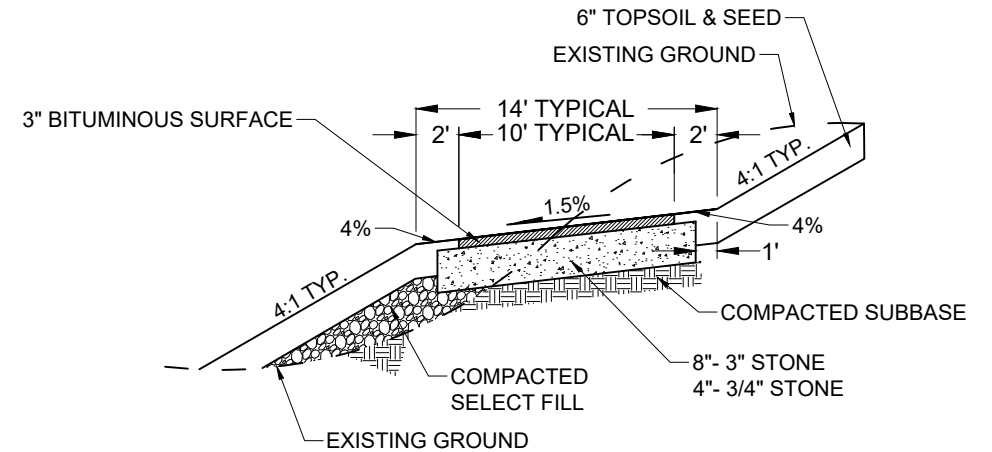


DETECTABLE WARNING FIELD (TYP.) SHALL BE CAST IRON PATINA NEENAH FOUNDARY, TUFTILE WARNING PANEL

GENERAL NOTES FOR ALL SIDEWALK RAMPS

1. Install curb cuts at sidewalk ramps with either full removal and replacement or by "sawcutting" the curb head.
2. Curb tapers at curb cuts shall be 18" unless otherwise directed by the Engineer.
3. The width of the flat bottom of the ramp at the curb shall be 60" minimum.
4. The maximum slope of the ramp between the back of the curb and the front of the detectable warning field shall not exceed 2%. The maximum slope of the ramp between the front of the detectable warning field and the sidewalk shall not exceed one inch per foot.
5. All handicap ramps shall include detectable warning fields with truncated domes.
6. Detectable warning field shall be oriented in a manner that it is parallel to the direction of pedestrian traffic. When curb is perpendicular to direction of pedestrian traffic, install detectable warning field tight to back of curb.
7. For a sidewalk ramp, detectable warnings shall be 24" x 60". For a bike path ramp, detectable warnings shall be 24" x 120".
8. When conditions require more information, refer to "UFAS" (Uniform Federal Accessibility Standards).
9. Refer to Sun Prairie Detail Drawing 3-1 for sidewalk curb ramp requirements.

**TYPE 1 RAMP
PLAN VIEW**

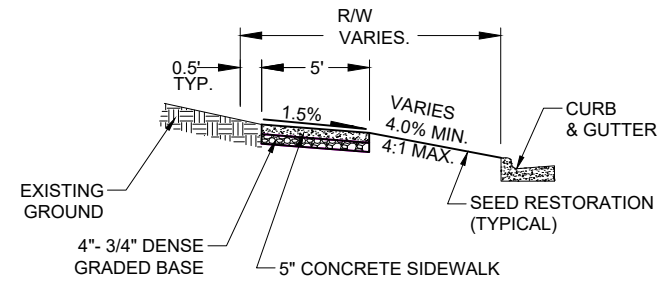


ASPHALT MULTIUSE PATH TYPICAL SECTION

NO SCALE

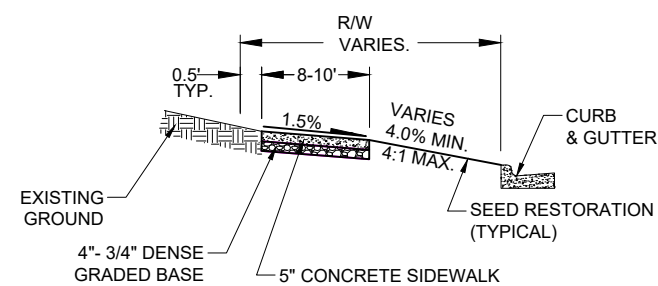
**1
3
SIDEWALK CURB RAMPS**

NO SCALE



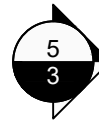
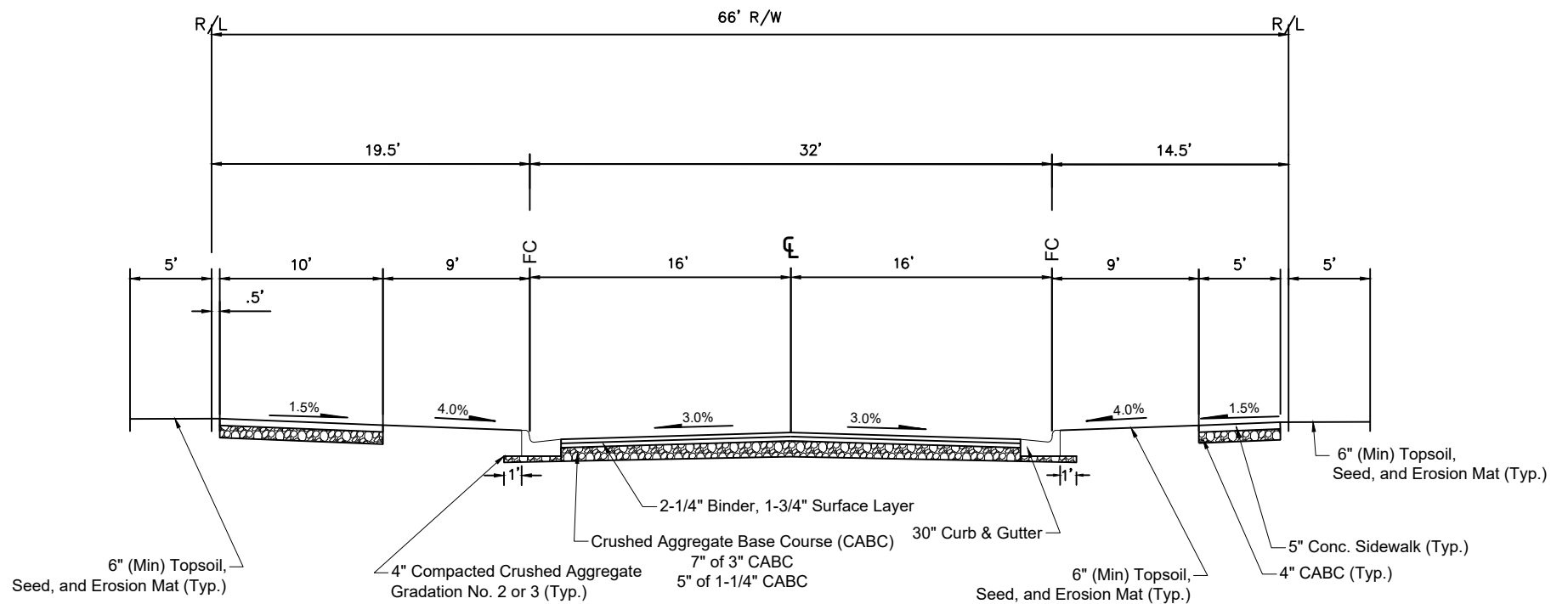
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SIDEWALK TYPICAL SECTION**

NO SCALE



**3
3
CONCRETE BIKE PATH TYPICAL SECTION**

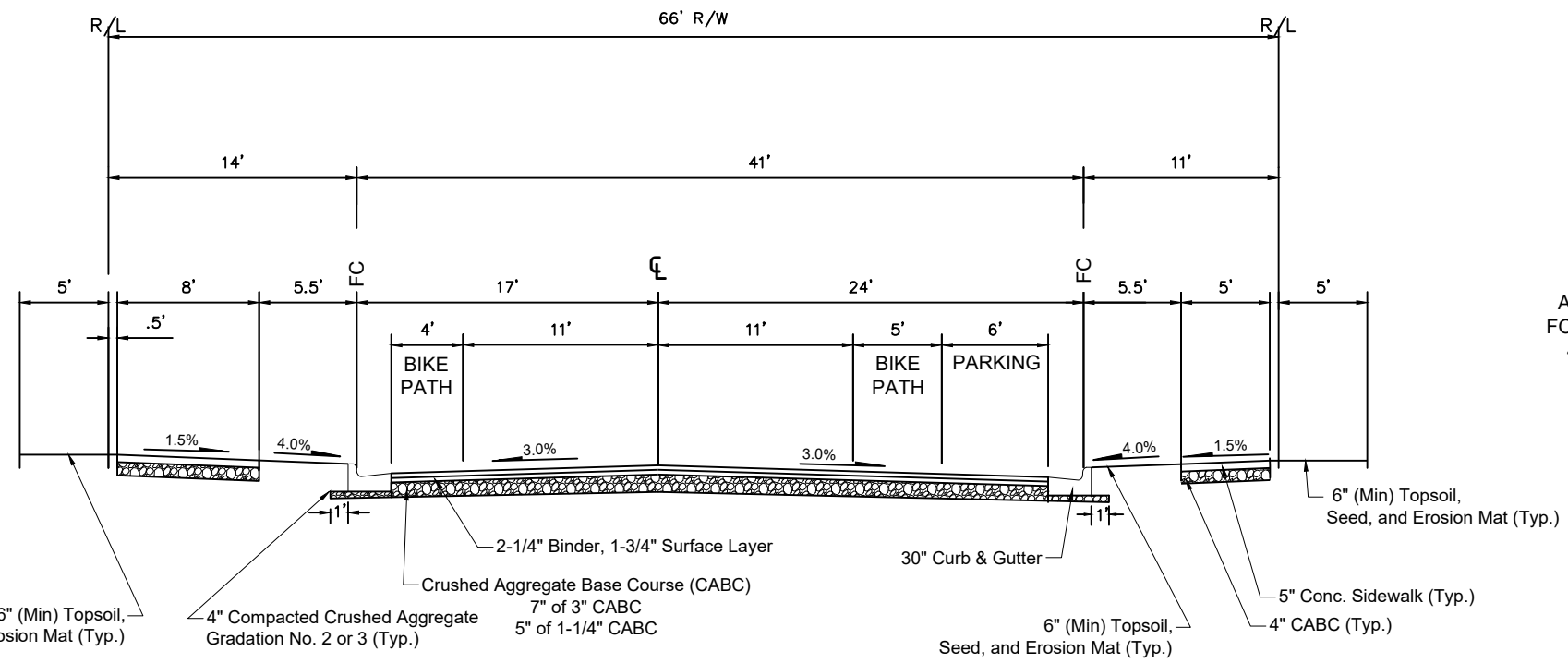
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PROPOSED TYPICAL SECTION - 66' ROW

WAVERLY WAY (STA 123.21.19 TO 141+19)

FC = FACE OF CURB



ASPHALT MIX DESIGN

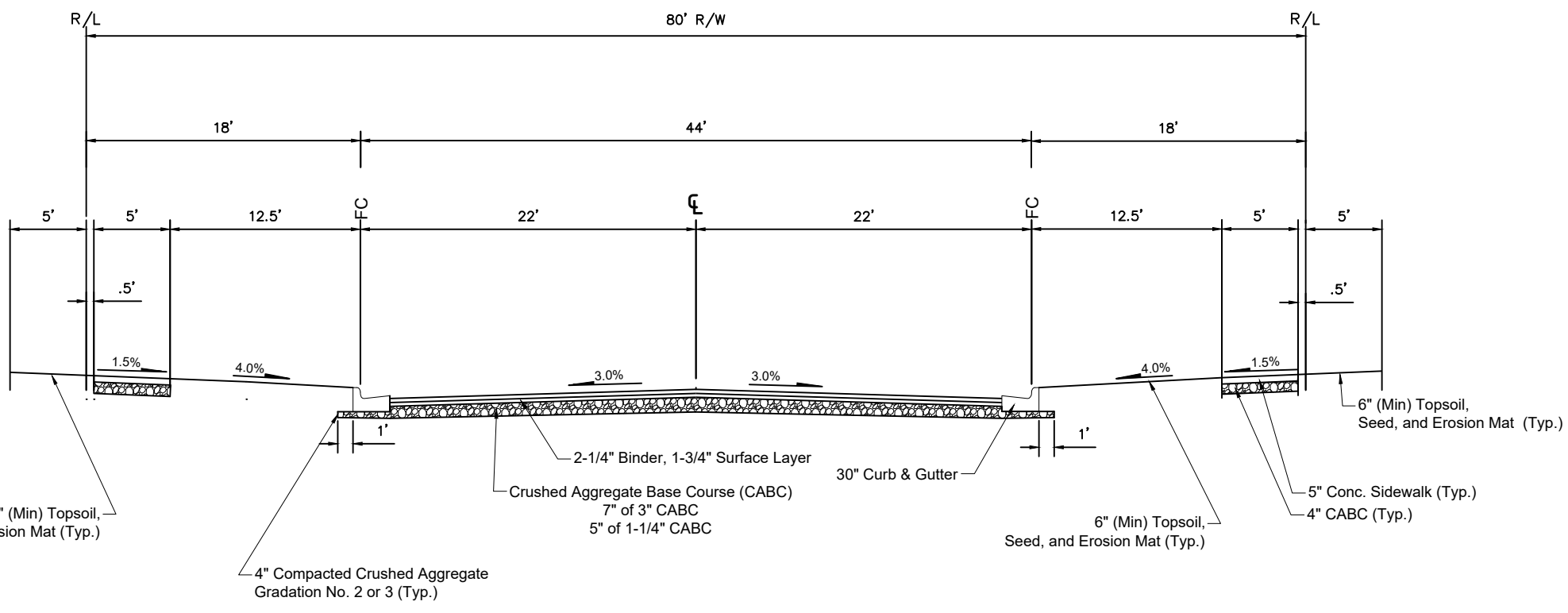
ASPHALT CONCRETE PAVEMENT SHALL BE TYPE 3 LT S FOR BINDER COURSE AND 4 LT S FOR SURFACE COURSE ON ALL RESIDENTIAL STREETS, UNLESS OTHERWISE NOTED. TYPE 4 LT S AND/OR 5 LT S SHALL BE USED IN DRIVEWAYS, BIKE PATHS, AND PARKING LOTS.



PROPOSED TYPICAL SECTION - 66' ROW

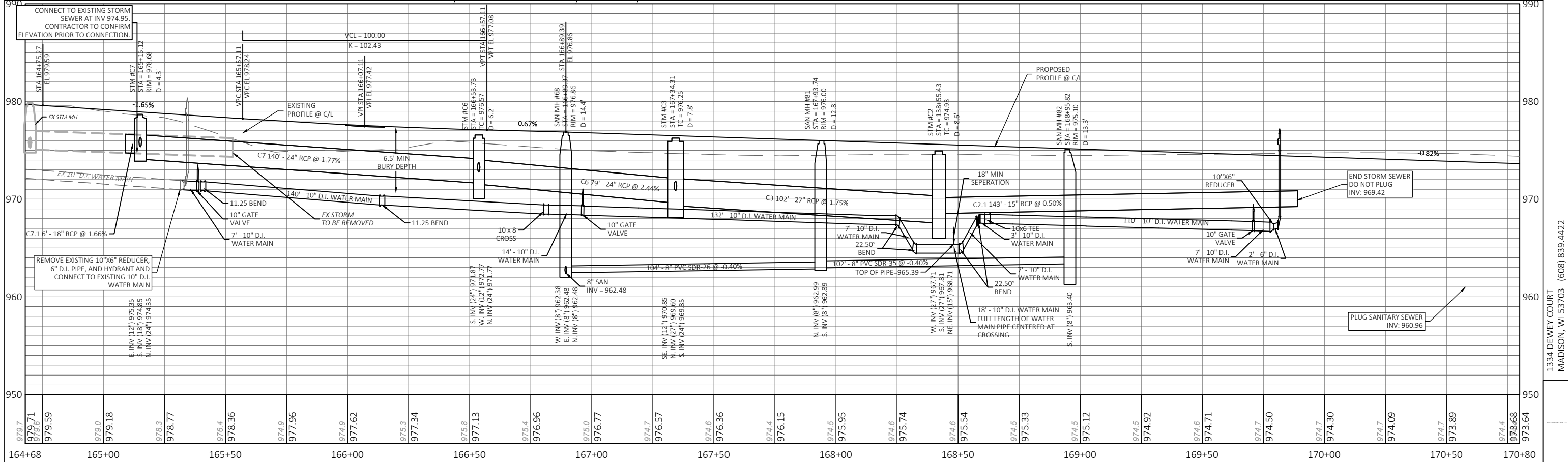
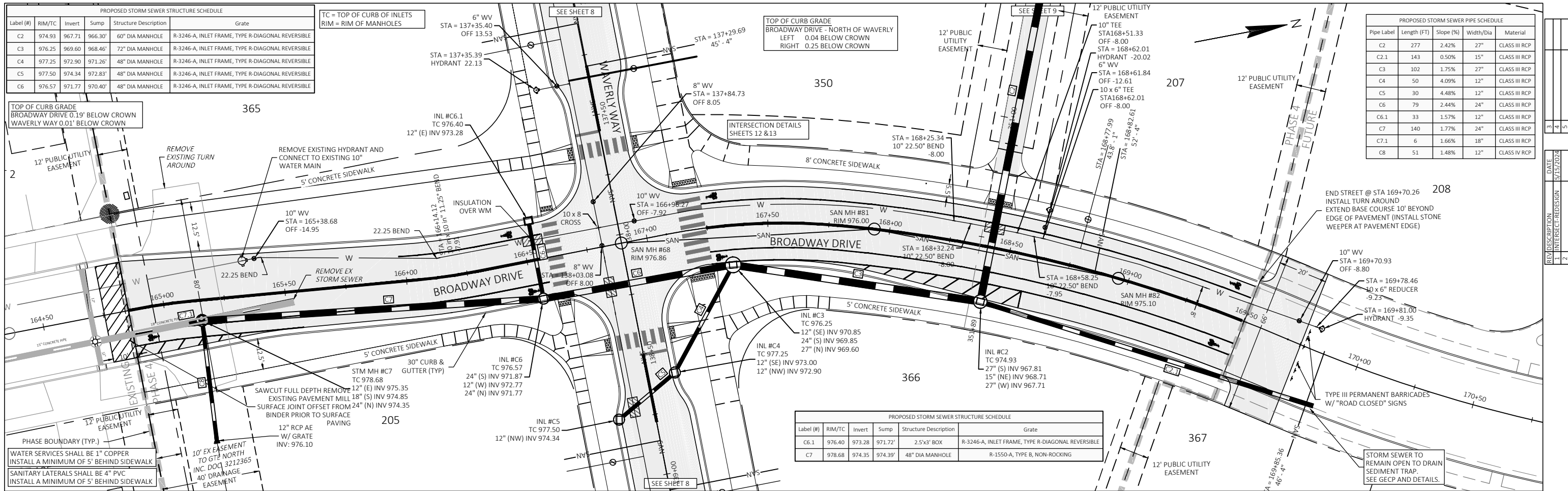
BROADWAY DRIVE (STA 167+00 TO 168+39.53)

FC = FACE OF CRUB



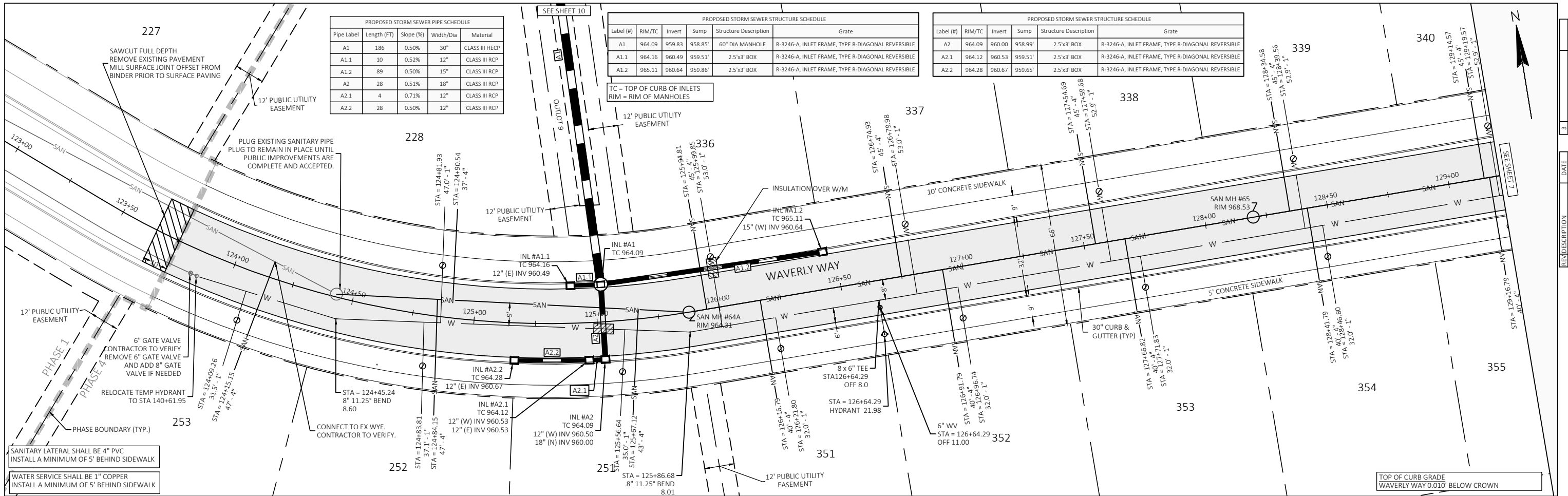
PROPOSED TYPICAL SECTION - 80' ROW

BROADWAY DRIVE (STA 165+00 TO 167+00)



DATE: 5/15/2024
REV. DESCRIPTION: 1 INTERSECT-REDESIGN
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MADISON, WI 53703 (608) 839.4422

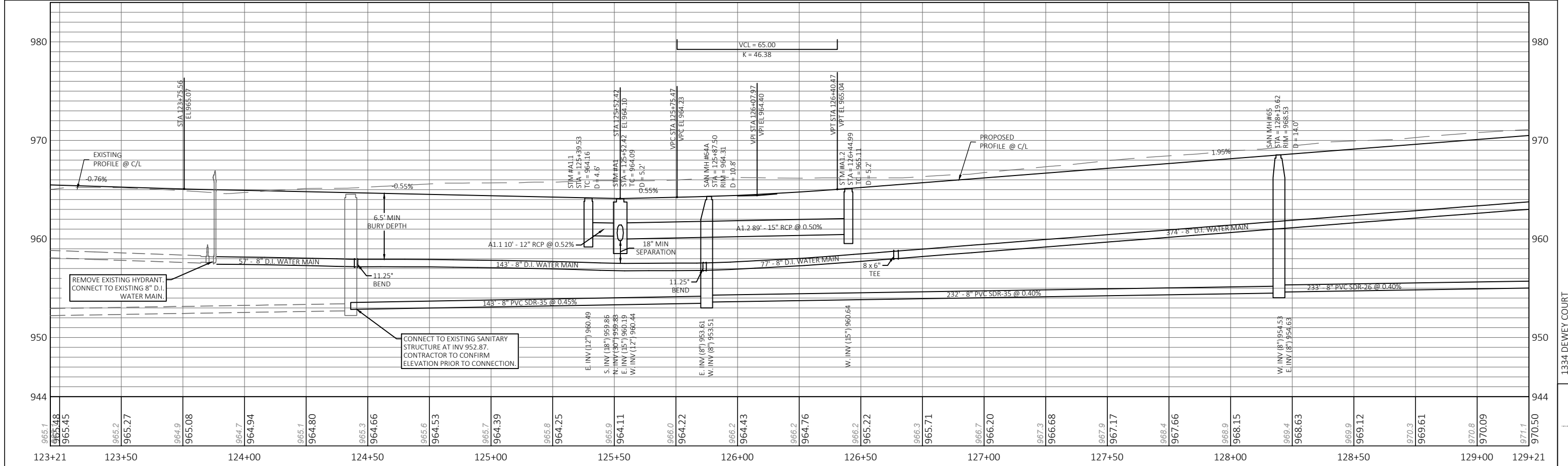


PROPOSED STORM SEWER PIPE SCHEDULE				
Pipe Label	Length (FT)	Slope (%)	Width/Dia	Material
A1	186	0.50%	30"	CLASS III HCCP
A1.1	10	0.52%	12"	CLASS III RCP
A1.2	89	0.50%	15"	CLASS III RCP
A2	28	0.51%	18"	CLASS III RCP
A2.1	4	0.71%	12"	CLASS III RCP
A2.2	28	0.50%	12"	CLASS III RCP

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
Label (#)	RIM/TC	Invert	Sump	Structure Description	Grate
A1	964.09	959.83	958.85'	60" DIA MANHOLE	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE
A1.1	964.16	960.49	959.51'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE
A1.2	965.11	960.64	959.86'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
Label (#)	RIM/TC	Invert	Sump	Structure Description	Grate
A2	964.09	960.00	958.99'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE
A2.1	964.12	960.53	959.51'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE
A2.2	964.28	960.67	959.65'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE

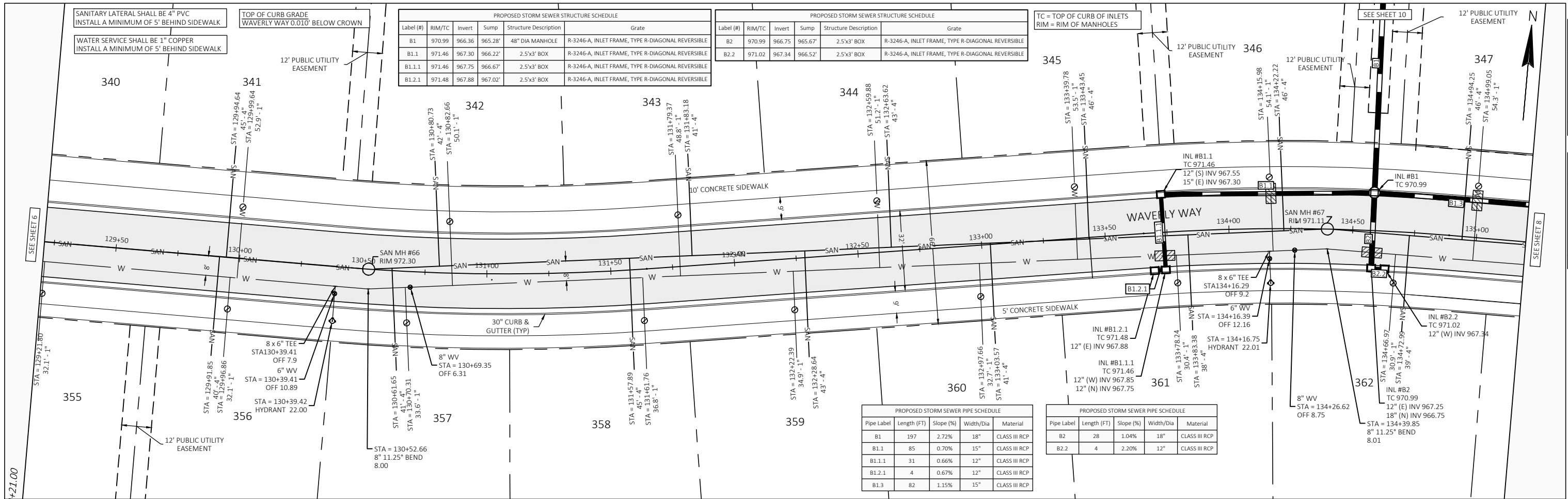
TC = TOP OF CURB OF INLETS
RIM = RIM OF MANHOLES



PROJECT: THE RESERVE - PHASE 4 CLIENT: THE RESERVE, LLC STREET: WAVERLY WAY PLAN AND PROFILE: 123+21.19 TO 129+21.00 SHEET 6

3	DATE	5/15/2024
4	REVISION	INTERSECT-REDESIGN
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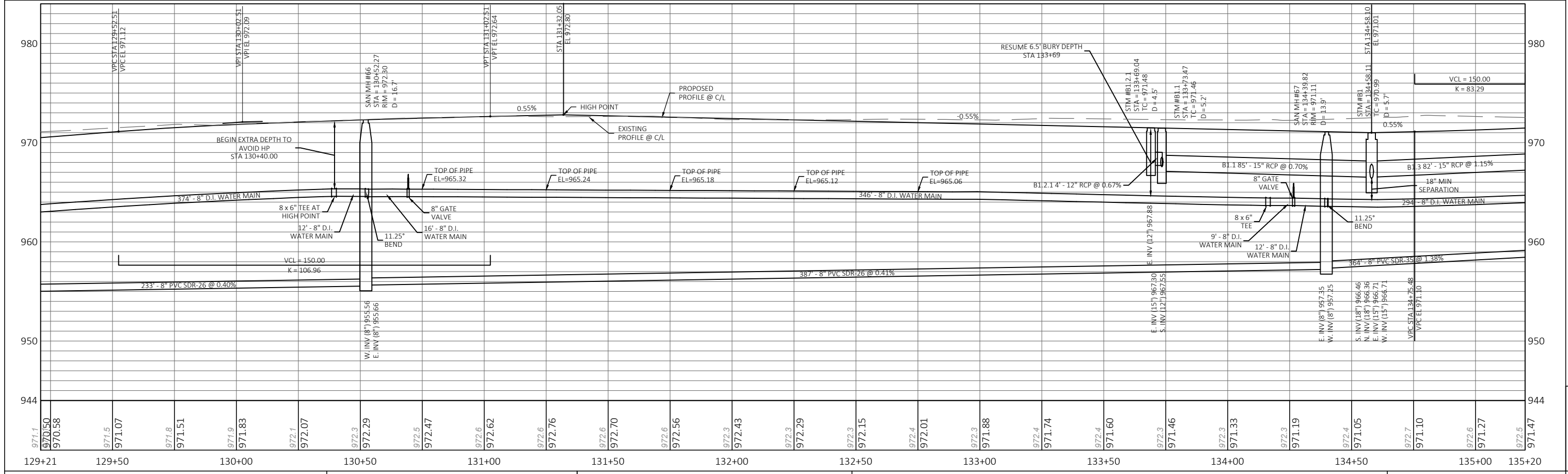


Label (#)	RIM/TC	Invert	Sump	Structure Description	Grate
B1	970.99	966.36	965.28'	48" DIA MANHOLE	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE
B1.1	971.46	967.30	966.22'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE
B1.1.1	971.46	967.30	966.22'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE
B1.2.1	971.48	967.75	966.67'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE

Label (#)	RIM/TC	Invert	Sump	Structure Description	Grate
B2	970.99	966.75	965.67'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE
B2.2	971.02	967.34	966.52'	2.5'x3' BOX	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE

Pipe Label	Length (FT)	Slope (%)	Width/Dia	Material
B1	197	2.72%	18"	CLASS III RCP
B1.1	85	0.70%	15"	CLASS III RCP
B1.1.1	31	0.66%	12"	CLASS III RCP
B1.2.1	4	0.67%	12"	CLASS III RCP
B1.3	82	1.15%	15"	CLASS III RCP

Pipe Label	Length (FT)	Slope (%)	Width/Dia	Material
B2	28	1.04%	18"	CLASS III RCP
B2.2	4	2.20%	12"	CLASS III RCP



PROJECT: THE RESERVE - PHASE 4 CLIENT: THE RESERVE, LLC STREET: WAVERLY WAY PLAN AND PROFILE: 129+21.00 TO 135+20.00 SHEET 7

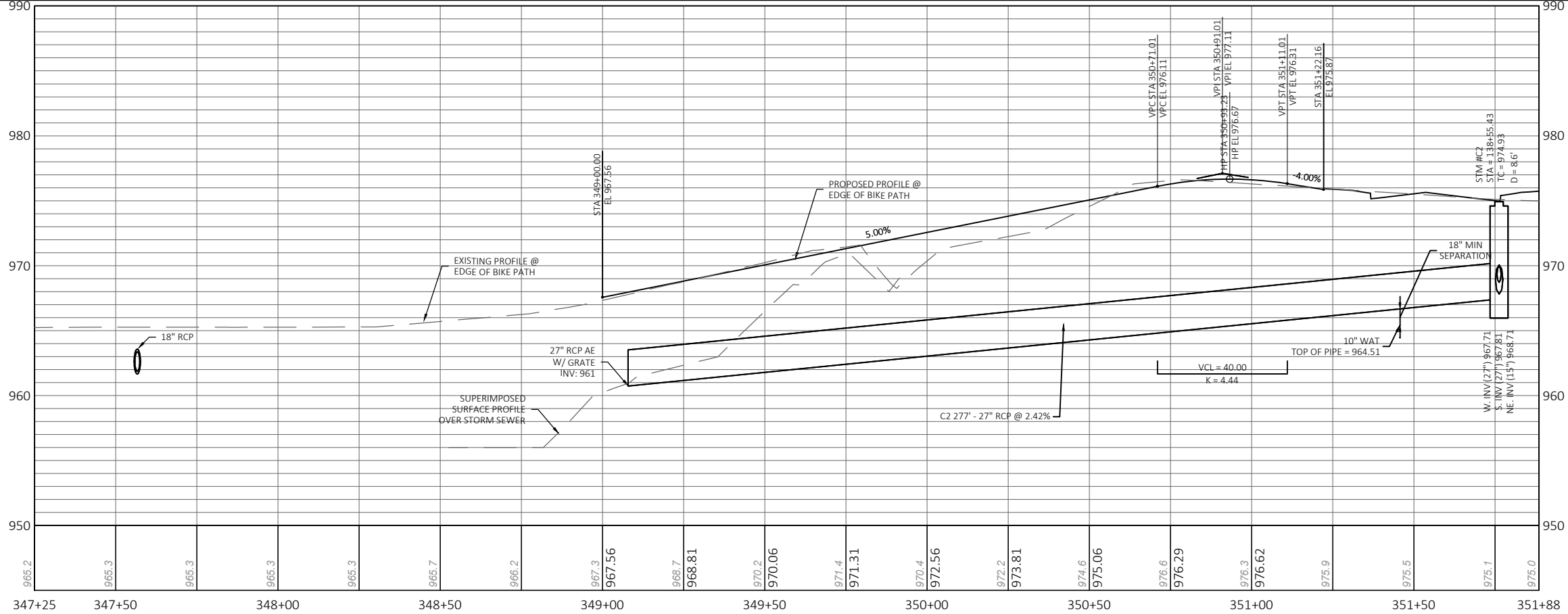
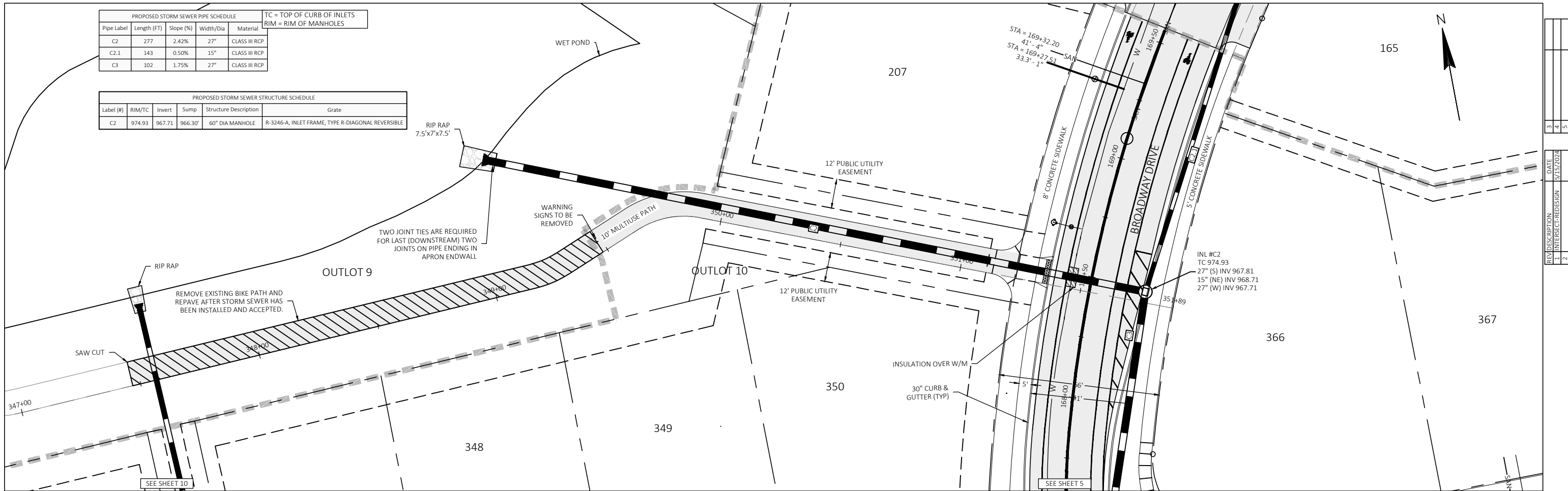
3	DATE	5/15/2024
4	REVISION	INTERSECT-REDESIGN
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PROPOSED STORM SEWER PIPE SCHEDULE				
Pipe Label	Length (FT)	Slope (%)	Width/Dia.	Material
C2	277	2.42%	27"	CLASS III RCP
C2.1	143	0.50%	15"	CLASS III RCP
C3	102	1.75%	27"	CLASS III RCP

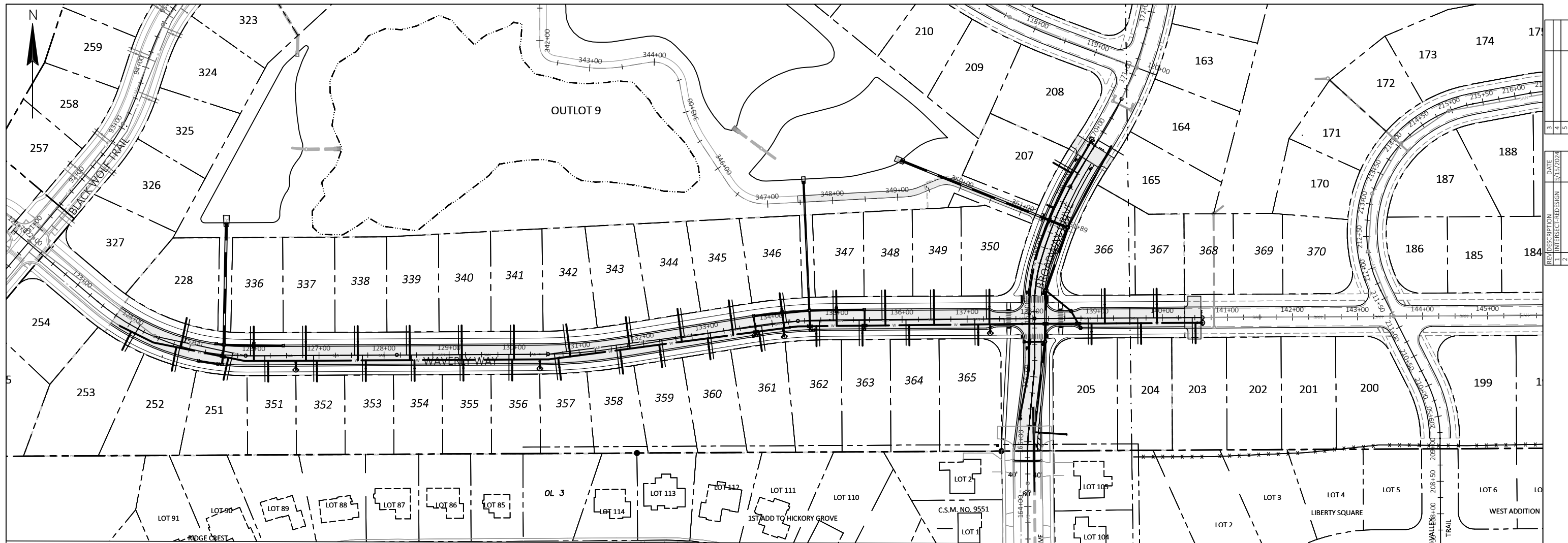
TC = TOP OF CURB OF INLETS
RIM = RIM OF MANHOLES

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
Label (#)	RIM/TC	Invert	Sump	Structure Description	Grate
C2	974.93	967.71	966.30	60" DIA MANHOLE	R-3246-A, INLET FRAME, TYPE R-DIAGONAL REVERSIBLE



3	DATE	5/15/2024
4	DESCRIPTION	INTERSECT-REDESIGN
5	REV	2

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3	DATE	5/15/2024
4	REV	INTERSECT-REDESIGN
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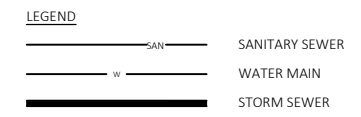
UTILITY NOTES

- SANITARY AND WATERMAIN EXTENSION APPROVALS MUST BE RECEIVED FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES PRIOR TO COMMENCING INSTALLATION OF THESE UTILITIES.
- SANITARY AND STORM SEWER LENGTHS ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE NOT INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND FIELD VERIFYING THE SIZE, TYPE, LOCATION AND ELEVATION PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCIES EXISTING WITH THESE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE RIMS, WATER VALVES, AND CURB STONS) AND IS SUBJECT TO APPROVAL BY THE PERTINENT UTILITY OWNERS.
- COPIES OF ALL FIELD ORDERS AND SHOP DRAWINGS MUST BE GIVEN TO THE CITY'S INSPECTOR AND TO THE CITY OF SUN PRAIRIE (CITY ENGINEER'S OFFICE) PRIOR TO COMMENCING WITH THE WORK.
- THE CITY OF SUN PRAIRIE MUST APPROVE THE SUBSTITUTION OF MATERIALS AND CHANGES IN WORK. SUFFICIENT TIME FOR REVIEW OF THESE ISSUES MUST ACCOMPANY THE SUBMITTAL TO THE CITY.
- USE OF SHOT ROCK AND/OR EXCAVATED ROCK FOR TRENCH BACKFILL MATERIAL IS SUBJECT TO APPROVAL BY THE CITY.
- ALL WATER MAIN CONCRETE BLOCKING MUST BE POURED IN PLACE.

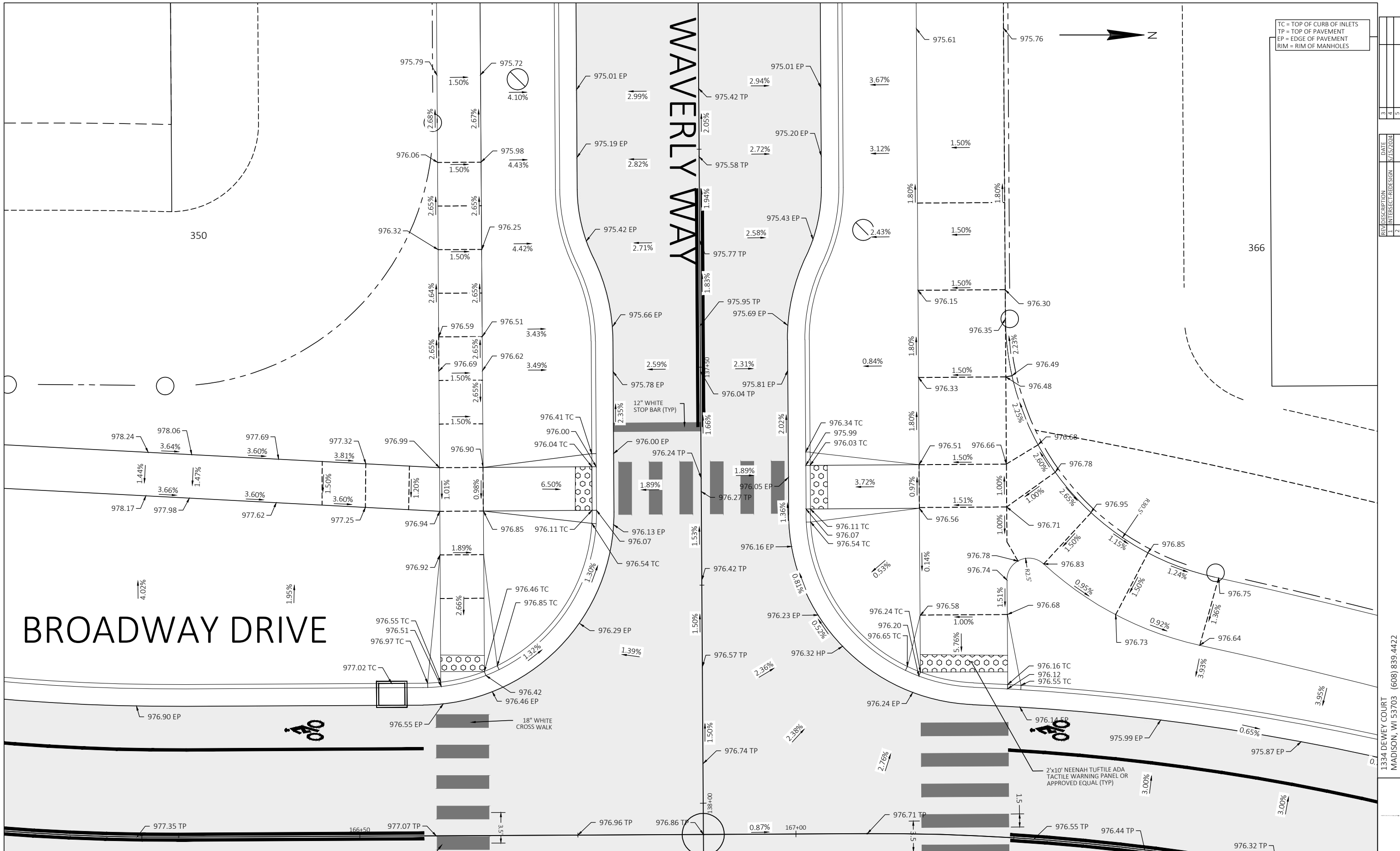
- ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
- CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
- ALL PUBLIC SANITARY SEWER AND PRIVATE LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.
- ALL SANITARY SEWER LATERALS SHALL BE PLUGGED AND CAPPED WITH WATERTIGHT PLUG MANUFACTURED TO FIT PIPE.
- ALL PIPES SHALL BE BEDDED, AS REQUIRED BY THE CITY'S STANDARD SPECIFICATIONS, TO ONE FOOT ABOVE THE TOP OF THE PIPE.
- PUBLIC STORM SEWERS SHOULD BE PROVIDED WITH A MINIMUM OF TWO FEET OF COVER OVER THE TOP OF THE PIPE.
- TOP OF CURB SHALL BE MARKED WITH "S" AND "W" AT THE SANITARY LATERAL AND WATER SERVICE LOCATIONS.
- SANITARY AND WATER LATERALS SHALL BE MARKED WITH 4"x4" WOOD POST PAINTED GREEN FOR SANITARY SEWERS AND BLUE FOR WATER SERVICES, PLACED VERTICALLY AT THE INVERT AND EXTENDING 2' ABOVE THE GROUND.
- SANITARY AND WATER LATERALS MUST EXTEND A MINIMUM OF FIVE FEET BEYOND THE EDGE OF PROPOSED CONCRETE SIDEWALKS OR UTILITY EASEMENTS, WHICHEVER IS FURTHEST FROM CENTERLINE.
- FOR ALL SANITARY SEWER AND WATER MAIN CROSSINGS, PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.

- A PRE-CONSTRUCTION MEETING SHALL BE HELD TO ENSURE THE UNDERSTANDING OF, AND COMPLIANCE WITH, THE APPROVED PLANS AND SPECIFICATIONS, THE PROPOSED METHOD OF EROSION CONTROL, THE DUTIES OF THE RESIDENT PROJECT REPRESENTATIVE, THE DISINFECTION AND BACTERIOLOGICAL SAMPLING REQUIREMENTS OF WDNR.
- IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
- ALL UTILITY CONSTRUCTION SHALL BE PER THE CITY OF SUN PRAIRIE SPECIFICATIONS, LATEST EDITION
- A SECURED PLUG MUST BE INSTALLED IN THE NEAREST DOWNSTREAM MANHOLE AND REMAIN IN PLACE UNTIL THE PUBLIC IMPROVEMENTS ASSOCIATED WITH THE DEVELOPMENT ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF THE PLUG. CONTRACTOR IS ALSO RESPONSIBLE FOR PUMPING CLEAR WATER FROM THE STRUCTURE AND NEWLY INSTALLED PIPE PRIOR TO REMOVING THE PLUG.
- REBARS (TWO 15' LONG #4 IN CURB AND THREE 15' LONG #4 REBARS IN SIDEWALK) ARE REQUIRED IN BOTH SIDEWALK AND CURB AND GUTTER INSTALLATION WHENEVER THEY CROSS OVER UNDERGROUND UTILITY TRENCHES.
- ALL STORM SEWER END WALLS LARGER THAN 12" IN DIAMETER MUST HAVE DEBRIS GATES AND TIE RODS INSTALLED.
- THE CITY OF SUN PRAIRIE'S STANDARD SPECIFICATIONS SUPERCEDE THE PLANS AND SPECIFICATIONS FURNISHED FOR THIS PROJECT IN CASE OF A CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS.
- A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON-METALLIC MAINS AND SERVICES MUST BE PROVIDED WITH

- TRACER WIRE OR OTHER METHODS PER WSPS STANDARDS.
- INSULATION MUST BE PLACED ON ALL SANITARY SEWER MAIN AND LATERALS AND WATER LATERALS INSTALLED WITH LESS THAN 5 FEET OF COVER.
- TO PREVENT SETTLING, NEW SANITARY LATERALS WILL BE SURVEYED AT THE WYE, MID-POINT AND END OF EACH NEW SERVICE. THESE SERVICES CANNOT BE BACKFILLED UNTIL THESE ELEVATIONS HAVE BEEN OBTAINED. PREVENTION OF SETTLING WILL BE DISCUSSED AT THE PRE-CONSTRUCTION MEETING.
- ADJUSTMENT OF ALL SANITARY SEWER MANHOLE CASTINGS ARE TO BE INSPECTED AND APPROVED BY PERSONNEL WITH THE CITY'S WWTP.
- "SCREENINGS" ARE NOT PERMITTED FOR TRENCH BACKFILL IN UTILITY TRENCHES.
- NEW CHIMNEY SEALS WILL BE REQUIRED IF DAMAGED WHILE ADJUSTING MANHOLES.
- THE CONTRACTOR SHALL CONFIRM THAT ALL WATER VALVES ARE ACCESSIBLE FOR OPERATION PRIOR TO THE PAVING OF THE STREETS.
- ALL D.I. WATERMAIN PIPINGS AND FITTINGS SHALL BE POLYETHYLENE ENCASED.
- ALL STORM SEWER/WATER MAIN CROSSINGS SHALL BE INSTALLED PER SPSS DETAIL DRAWING NO. 5-5.
- ALL NEW SEWERS SHALL HAVE A CLOSED CIRCUIT TELEVISION INSPECTION PERFORMED AFTER THE BINDER COURSE OF ASPHALT IS PLACED. THE REPORTS SHALL BE SUPPLIED TO THE CITY OF SUN PRAIRIE WASTE WATER TREATMENT PLANT FOR REVIEW AND MUST BE COMPATIBLE WITH WINCAN SOFTWARE. ANY DEFECTS AND/OR DEBRIS SHALL BE CORRECTED PRIOR TO THE ACCEPTANCE.



1334 DEWEY COURT
MADISON, WI 53527 (608) 839.4422



TC = TOP OF CURB OF INLETS
 TP = TOP OF PAVEMENT
 EP = EDGE OF PAVEMENT
 RIM = RIM OF MANHOLES

3	DATE	5/15/2024
4	REV	INTERSECT REDESIGN
5	2	

BROADWAY DRIVE

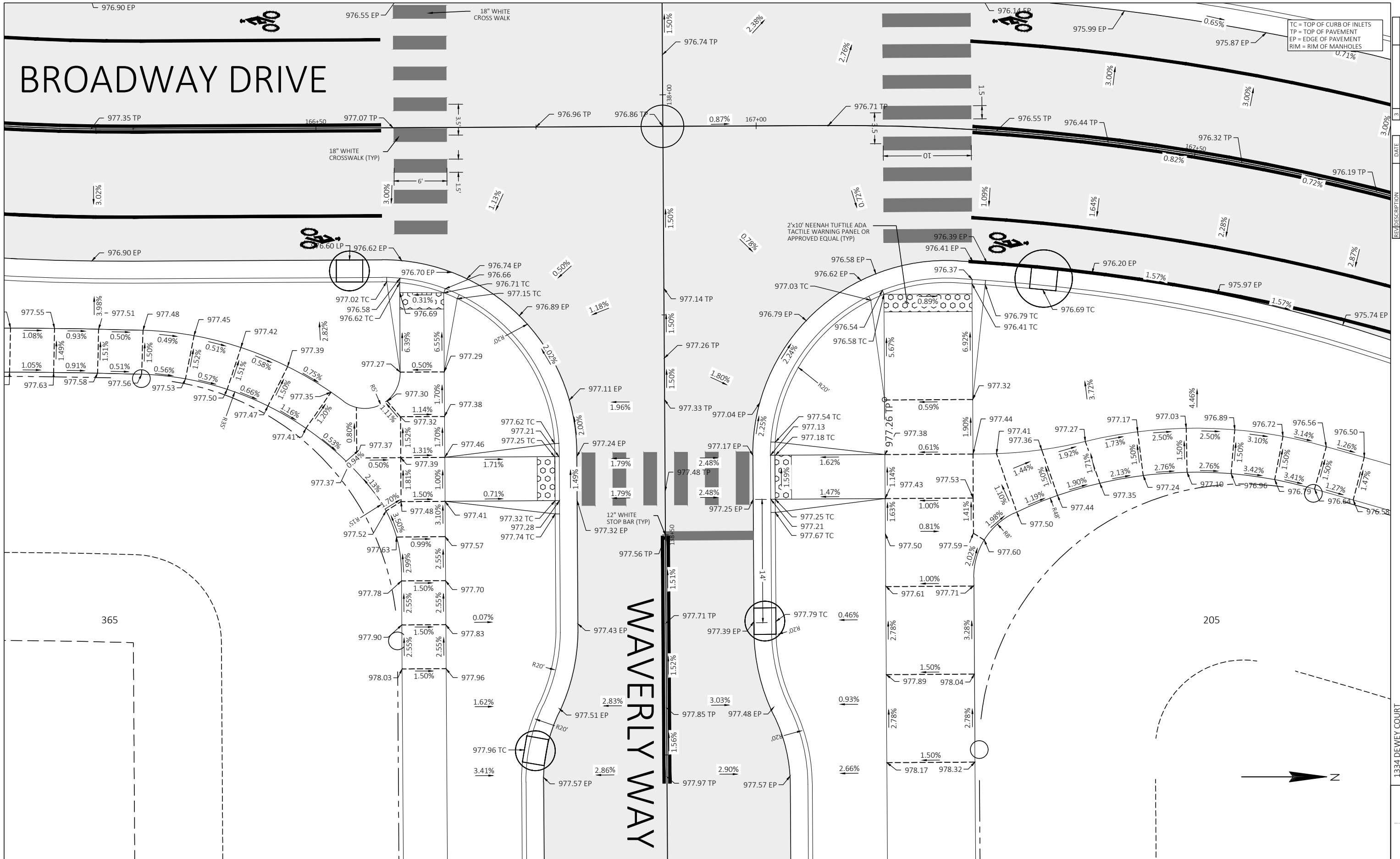
WAVERLY WAY



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BROADWAY DRIVE

WAVERLY WAY



TC = TOP OF CURB OF INLETS
 TP = TOP OF PAVEMENT
 EP = EDGE OF PAVEMENT
 RIM = RIM OF MANHOLES

REV/DESCRIPTION	DATE
1 INTERSECT REDESIGN	5/15/2024
2	

PROJECT: THE RESERVE - PHASE 4

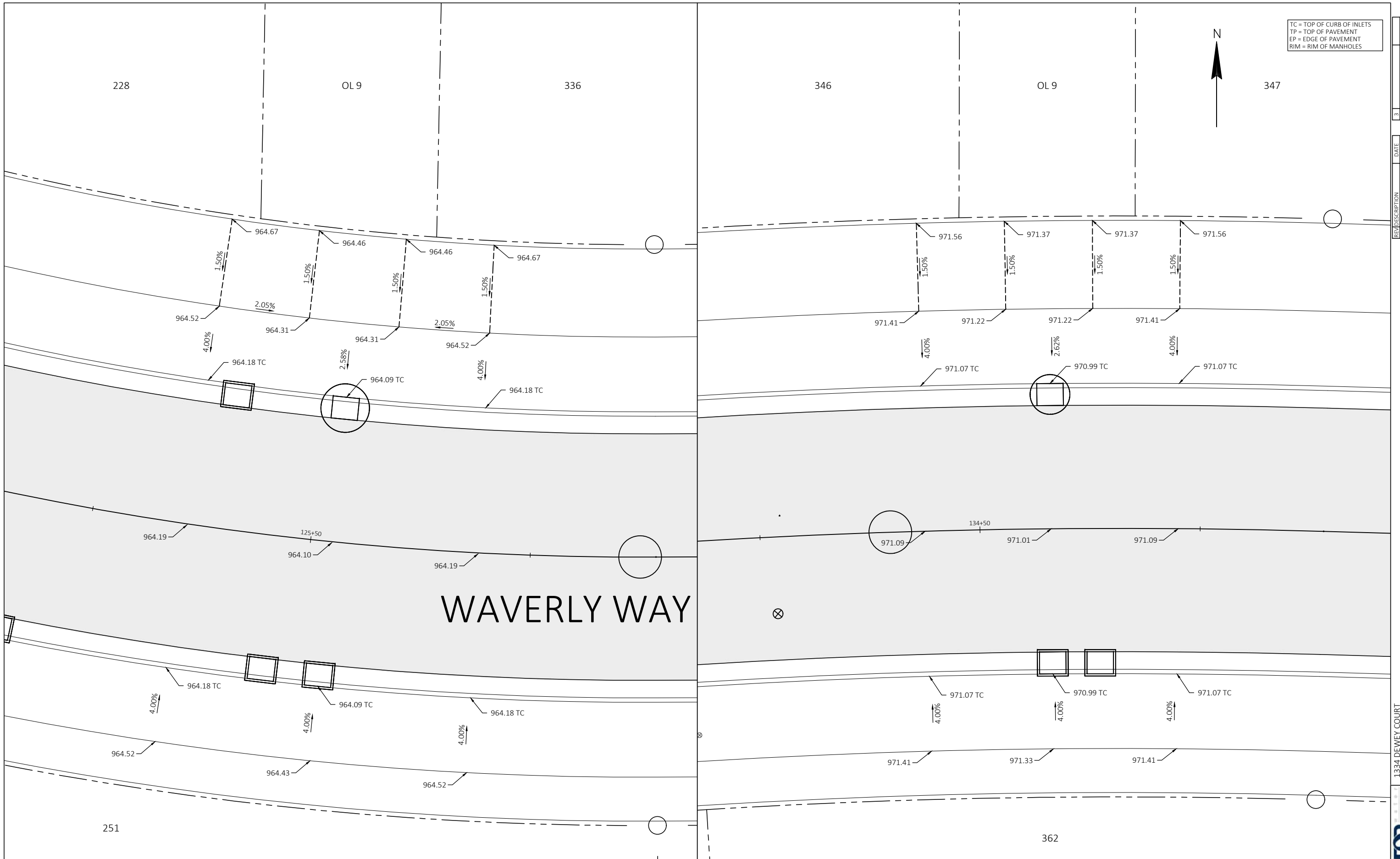
CLIENT: THE RESERVE, LLC

WAVERLY & BROADWAY (SOUTH)



SHEET 13

1334 DEWEY COURT
 MADISON, WI 53703 (608) 839.4422



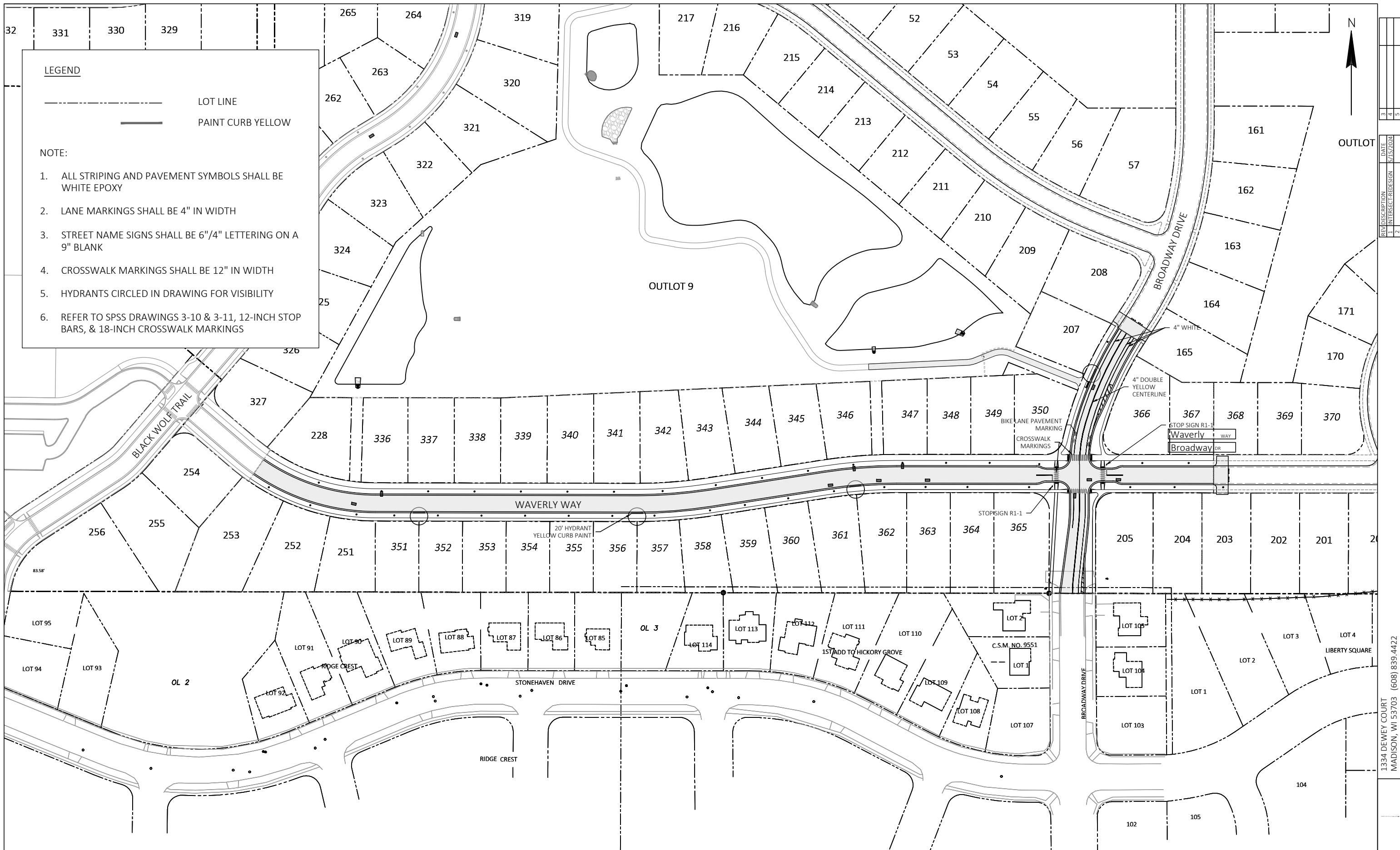
TC = TOP OF CURB OF INLETS
 TP = TOP OF PAVEMENT
 EP = EDGE OF PAVEMENT
 RIM = RIM OF MANHOLES

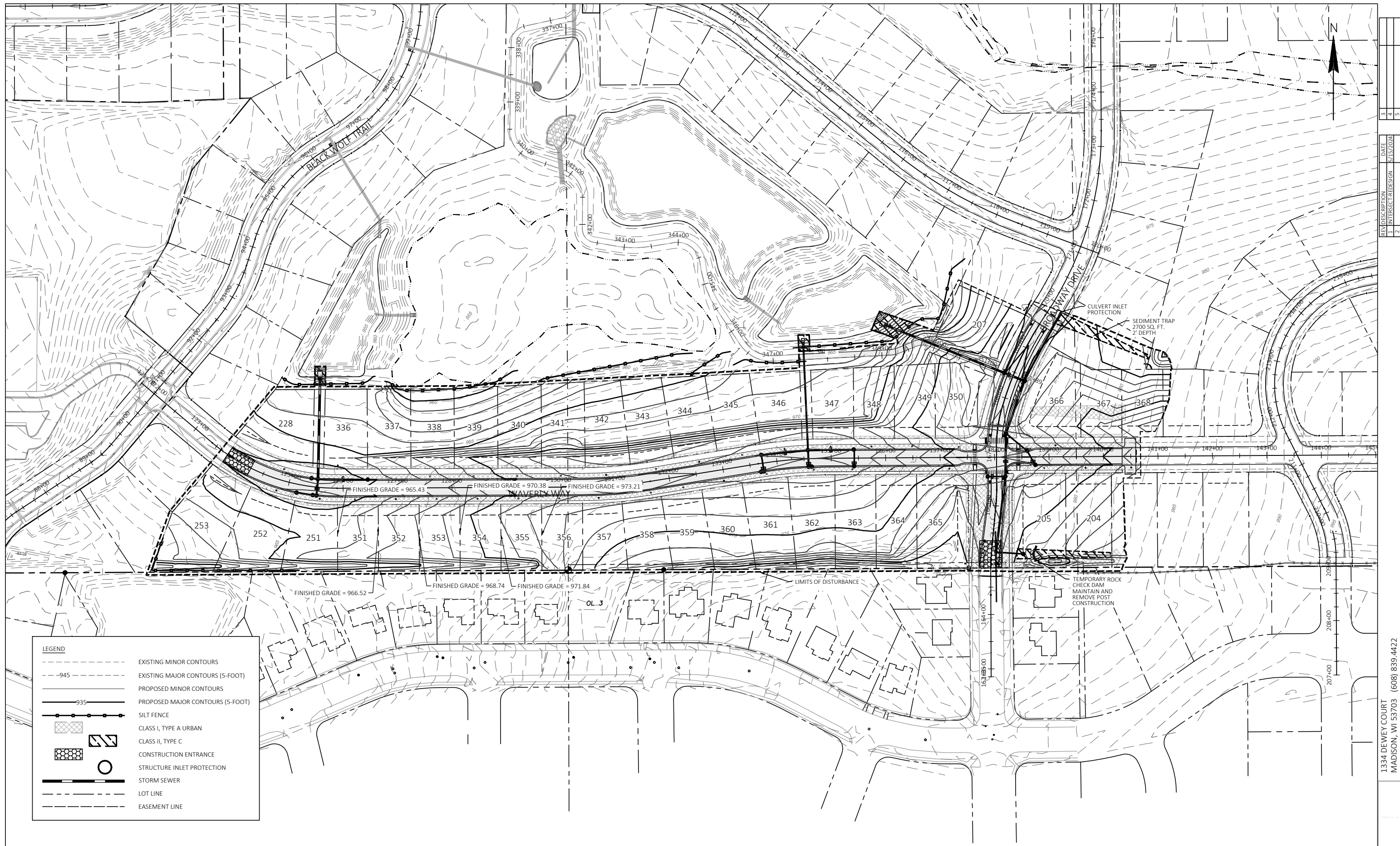


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WAVERLY WAY

1334 DEWEY COURT
 MADISON, WI 53703 (608) 839.4422
FOR





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1	REVISION DESCRIPTION	INTERSECT REDESIGN
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LEGEND	
	EXISTING MINOR CONTOURS
	EXISTING MAJOR CONTOURS (5-FOOT)
	PROPOSED MINOR CONTOURS
	PROPOSED MAJOR CONTOURS (5-FOOT)
	SILT FENCE
	CLASS I, TYPE A URBAN
	CLASS II, TYPE C
	CONSTRUCTION ENTRANCE
	STRUCTURE INLET PROTECTION
	STORM SEWER
	LOT LINE
	EASEMENT LINE

PROJECT: THE RESERVE - PHASE 4

CLIENT: THE RESERVE, LLC

GRADING AND EROSION CONTROL PLAN



SHEET 16

FILE NAME : G:\00\00036\00036297\EOR FILES\DRAWINGS\SHEETS\GECP.DWG

PLOT DATE : 6/5/2024 4:20 PM

PLOT BY : CHRISTINE PELTO

PLOT NAME :

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MADISON, WI 53703 (608) 839.4422

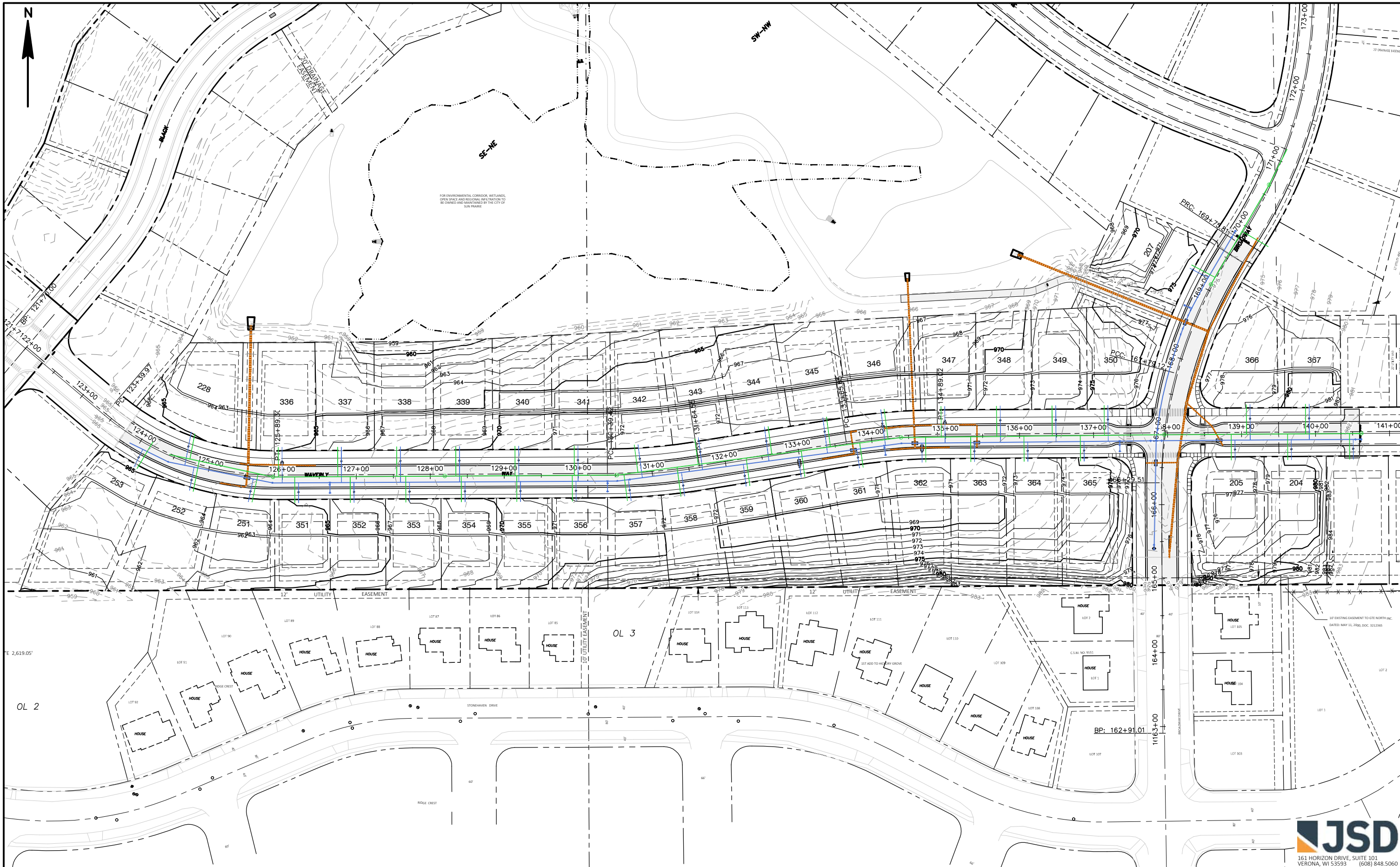
GRADING AND EROSION CONTROL NOTES

1. ALL UNDERCUT AREAS SHALL BE FILLED WITH SELECT CRUSHED MATERIAL MEETING THE REQUIREMENTS OF SECTION 312 OF WISDOT SPECIFICATIONS.
2. EROSION CONTROL AND STORMWATER MANAGEMENT PLANS MUST BE APPROVED BY THE CITY PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITIES.
3. NO LAND DISTURBING ACTIVITIES SHALL BE ALLOWED UNTIL ALL EROSION CONTROL MEASURES ARE IN PLACE AND APPROVED BY THE CITY'S ENGINEER.
4. THE PROJECT HAS BEEN DESIGNED AND MUST BE CONSTRUCTED IN COMPLIANCE WITH ALL WDNR GENERAL PERMIT AND CITY OF SUN PRAIRIE PERMIT REQUIREMENTS.
5. EROSION CONTROL MEASURES SHOWN ON THE PLAN SHALL BE CONSIDERED MINIMUMS. ADDITIONAL EROSION CONTROL MEASURES REQUESTED BY THE STATE INSPECTORS, CITY INSPECTORS AND/OR ENGINEER SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
6. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED AS SPECIFIED IN CURRENT DEPARTMENT OF NATURAL RESOURCES EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS AND CITY OF SUN PRAIRIE STANDARDS.
7. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL EVENT EXCEEDING 0.5 INCHES WITHIN 24 HOURS. REPAIR OF EROSION CONTROL MEASURES SHALL OCCUR WITHIN 24 HOURS OF INSPECTION. CONTRACTOR SHALL MAINTAIN AN ON-SITE WRITTEN REPORT OF ALL INSPECTIONS FOR THE DURATION OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING COPIES OF ALL REQUIRED INSPECTION REPORTS UNTIL THE SITE IS ESTABLISHED.
8. EROSION CONTROL MEASURES SHALL BE PROPERLY MAINTAINED UNTIL THE SITE IS STABILIZED AND UNTIL FINAL ACCEPTANCE OF THE SITE BY THE CITY.
9. INSTALL EROSION CONTROL DEVICES ON THE DOWNSLOPE SIDE OF STOCKPILES AND PROVIDE TEMPORARY SEEDING ON STOCKPILES WHICH ARE TO REMAIN IN PLACE FOR MORE THAN 7 DAYS.
10. GRAVEL CONSTRUCTION ENTRANCE PADS SHALL BE INSTALLED AT DESIGNATED CONSTRUCTION ENTRANCES PRIOR TO ANY CONSTRUCTION. ALL CONSTRUCTION TRAFFIC MUST USE GRAVEL CONSTRUCTION ENTRANCES. GRAVEL CONSTRUCTION ENTRANCES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT.
11. SOIL TRACKED FROM THE SITE TO THE STREETS SHALL BE REMOVED AT THE END OF EACH WORK DAY OR AS DIRECTED BY THE ENGINEER OR CITY/STATE INSPECTORS.
12. STABILIZE DISTURBED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR LONGER BY TEMPORARY SEEDING, MULCHING OR POLYMER APPLICATION.
13. TERRACES AND AREAS UP TO 5' BEHIND SIDEWALK SHALL BE RESTORED WITH 6" TOPSOIL, PERMANENT SEED, FERTILIZED AND CLASS 1 URBAN, TYPE "A" EROSION MAT OR HYDRO-MULCH. SEED MIX SHALL BE PER SPSS 205.2.2.
14. LOTS SHALL BE RESTORED WITH 2" TOPSOIL, TEMPORARY SEED, FERTILIZER AND MULCH. TEMPORARY SEED MIX SHALL BE ANNUAL OATS FOR SPRING AND SUMMER PLANTS AND WINTER WHEAT OR RYE FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 15. MIXES SHALL BE APPLIED AT A RATE OF 3 LBS/1,000 SFT
15. SEED, FERTILIZER AND MULCH SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED.
16. MULCH SHALL BE PER SPSS 205.4.
17. CLASS 1, TYPE A URBAN EROSION MAT SHALL BE INSTALLED ON ALL SLOPES GREATER THAN 5:1.
18. CLASS 1, TYPE B URBAN EROSION MAT SHALL BE INSTALLED ON THE BOTTOM OF ROADSIDE DITCHES/SWALES SHOWN ON THE PLANS, 1 ROLL WIDTH.
19. INSTALL MINIMUM 6'-7' WIDE EROSION MAT ALONG THE BACK OF CURB AFTER TOPSOIL HAS BEEN PLACED IN THE TERRACE IF THIS AREA WILL NOT BE SEEDED AND MULCHED WITHIN 48 HOURS OF PLACING TOPSOIL.
20. SILT FENCE SHALL BE PLACED ACROSS AREAS OF LOTS THAT SLOPE TOWARDS A PUBLIC STREET OR WATERWAY.
21. SEDIMENT SHALL BE CLEANED FROM CURB AND GUTTER AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE.
22. ALL CONSTRUCTION ENTRANCES SHALL HAVE TEMPORARY ROAD CLOSED SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.
23. IN-FRAME TYPE D INLET PROTECTION SUCH AS "CATCH ALL" OR EQUIVALENT SHALL BE INSTALLED IN NEW INLETS. WHEN THEY ARE INSTALLED AND ON EXISTING DOWNSTREAM INLETS.. INLET FILTERS ARE TO BE MAINTAINED UNTIL THE FINAL LAYER OF ASPHALT IS INSTALLED, AT WHICH TIME THE CONTRACTOR SHALL REMOVE THE FILTERS.
24. FOR THE FIRST SIX WEEKS AFTER RESTORATION INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
25. PRIOR TO WATERING, COORDINATE INSTALLATION OF A METER WITH SP UTILITIES.
26. WASH WATER FROM VEHICLE AND WHEEL WASHING MUST BE TREATED BEFORE DISCHARGING OFFSITE.
27. WASTE MATERIAL (INCLUDING SPILLS) SHALL BE PROPERLY HANDLED TO PREVENT RUNOFF OF MATERIAL OFFSITE.
28. NO CONSTRUCTION RELATED DEBRIS IS TO BE BURIED ON ANY LOCATION OF THE DEVELOPMENT.
29. NO ROCK EXCAVATION IS ANTICIPATED.
30. ON-SITE BORROW PITS MUST BE CONSTRUCTED WITH THE SAFETY OF THE GENERAL PUBLIC IN MIND.
31. SUB SOILS SHALL BE DEEP TURNED OVER WITH AN EXCAVATOR TO BREAK UP POTENTIAL SILT SEAMS. SOIL SHOULD BE OVER TURNED TO A DEPTH OF 5 FEET BELOW THE STORAGE LAYER.
32. CONTRACTOR SHALL DEEP TILL ALL OPEN SPACE AND INFILTRATION AREAS.

CONSTRUCTION SCHEDULE

MOBILIZATION	AUGUST 1, 2022
BEGIN LAND DISTURBING ACTIVITIES	AUGUST 4, 2022
INSTALL EROSION CONTROL PRACTICES	AUGUST 4, 2022
MASS GRADING	AUGUST 8, 2022
UTILITY CONSTRUCTION	AUGUST 22, 2022
CONSTRUCT ROAD BASE	SEPTEMBER 22, 2022
TOPSOIL LOTS	SEPTEMBER 29, 2022
CURB & GUTTER	SEPTEMBER 29, 2022
PAVE ROADWAY	OCTOBER 13, 2022
RESTORE TERRACES AND REMAINING LOT AREAS	NOVEMBER 13, 2022

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PROJECT: THE RESERVE - PHASE 4

CLIENT: THE RESERVE, LLC

OVERALL INTERIM GRADING

SHEET 18

FILE NAME: I:\2021\2110656\DWG\CIVIL SHEETS\21-10656 - RESERVE LENNAR INTERIM GRADING.DWG

PLOT DATE: 7/13/2022 10:32 AM

PLOT BY: COURTNEY COX

PLOT NAME:



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MADISON, WI 53527 (608) 839.4422

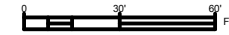


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PROJECT: THE RESERVE - PHASE 4

CLIENT: THE RESERVE, LLC

DETAILED INTERIM GRADING 1



SHEET 19

FILE NAME: I:\2021\2110656\DWG\CIVIL SHEETS\21-10656 - RESERVE LENNAR INTERIM GRADING.DWG

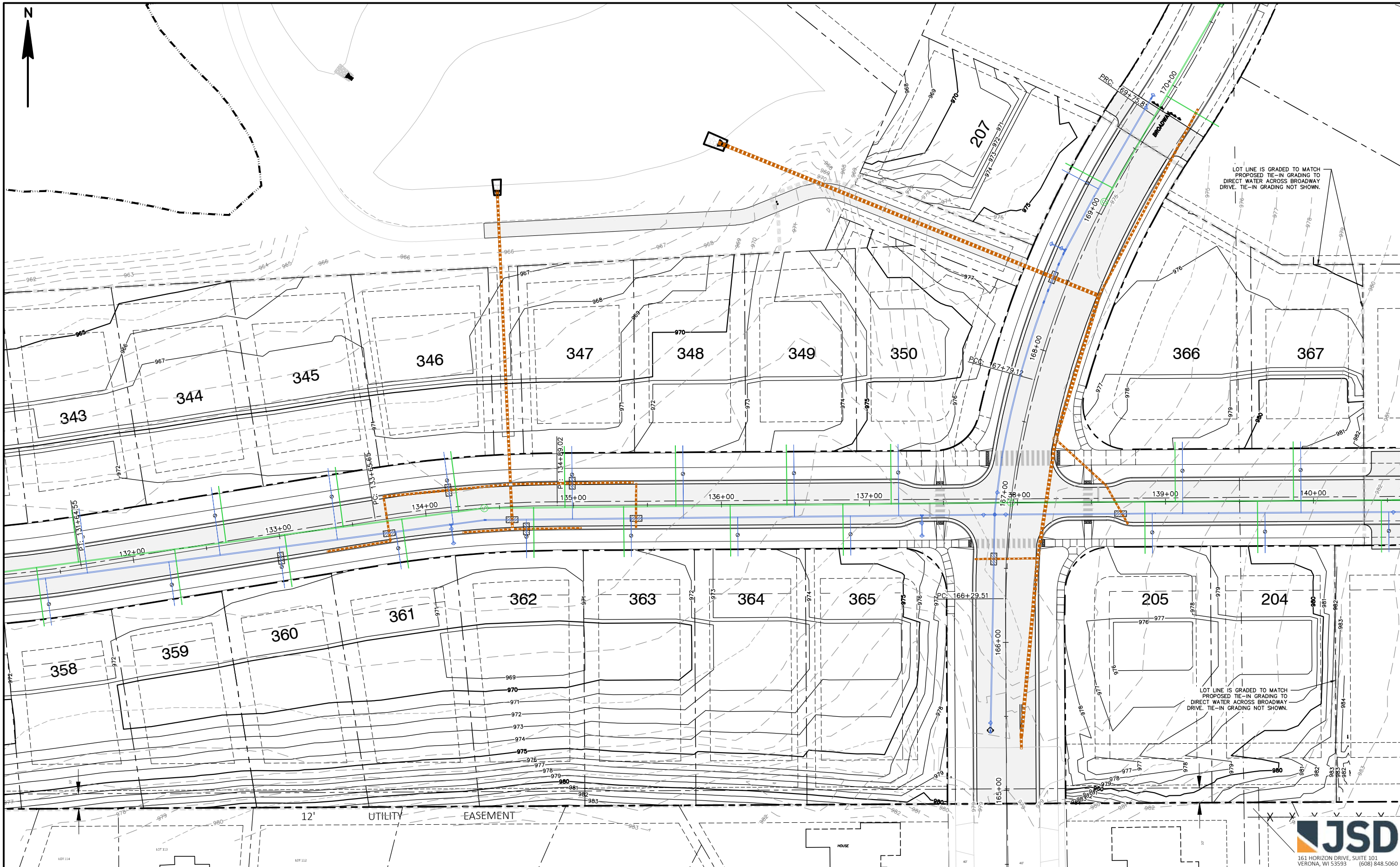
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PLOT BY: COURTNEY COX

PLOT NAME:

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MADISON, WI 53527 (608) 839.4422





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PROJECT: THE RESERVE - PHASE 4

CLIENT: THE RESERVE, LLC

DETAILED INTERIM GRADING 2

SHEET 20

FILE NAME: I:\2021\2110656\DWG\CIVIL SHEETS\21-10656 - RESERVE LENNAR INTERIM GRADING.DWG

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PLOT BY: COURTNEY COX

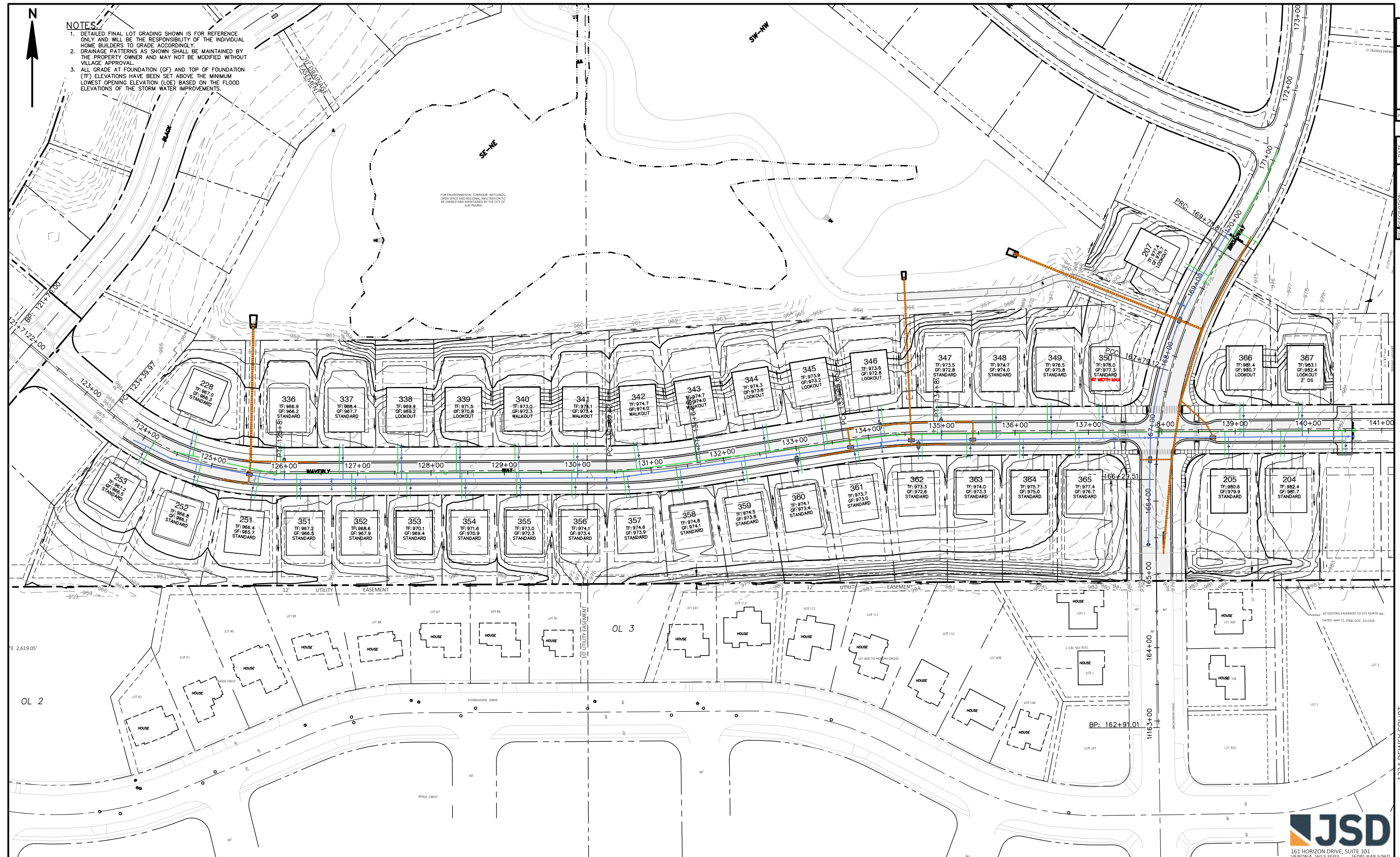
PLOT NAME:

1334 DEWEY COURT
MADISON, WI 53527 (608) 839.4422



NOTES

1. DETAILED FINAL LOT GRADING SHOWN IS FOR REFERENCE ONLY AND WILL BE THE RESPONSIBILITY OF THE INDIVIDUAL HOME BUILDERS TO GRADE ACCORDINGLY.
2. DRAINAGE PATTERNS AS SHOWN SHALL BE MAINTAINED BY THE PROPERTY OWNER AND MAY NOT BE MODIFIED WITHOUT VILLAGE APPROVAL.
3. ALL GRADE AT FOUNDATION (GF) AND TOP OF FOUNDATION (TF) ELEVATIONS HAVE BEEN SET ABOVE THE MINIMUM LOWEST OPENING ELEVATION (LOE) BASED ON THE FLOOD ELEVATIONS OF THE STORM WATER IMPROVEMENTS.



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PROJECT: THE RESERVE - PHASE 4

CLIENT: THE RESERVE, LLC

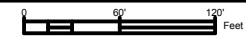
OVERALL GRADING

FILE NAME: I:\2021\2110656\DWG\CIVIL SHEETS\21-10656 - RESERVE LENNAR LOT GRADING.DWG

PLOT DATE: 7/13/2022 10:40 AM

PLOT BY: COURTNEY COX

PLOT NAME:



SHEET 21



1334 DEWEY COURT
MADISON, WI 53527 (608) 839.4422

NOTES:

1. DETAILED FINAL LOT GRADING SHOWN IS FOR REFERENCE ONLY AND WILL BE THE RESPONSIBILITY OF THE INDIVIDUAL HOME BUILDERS TO GRADE ACCORDINGLY.
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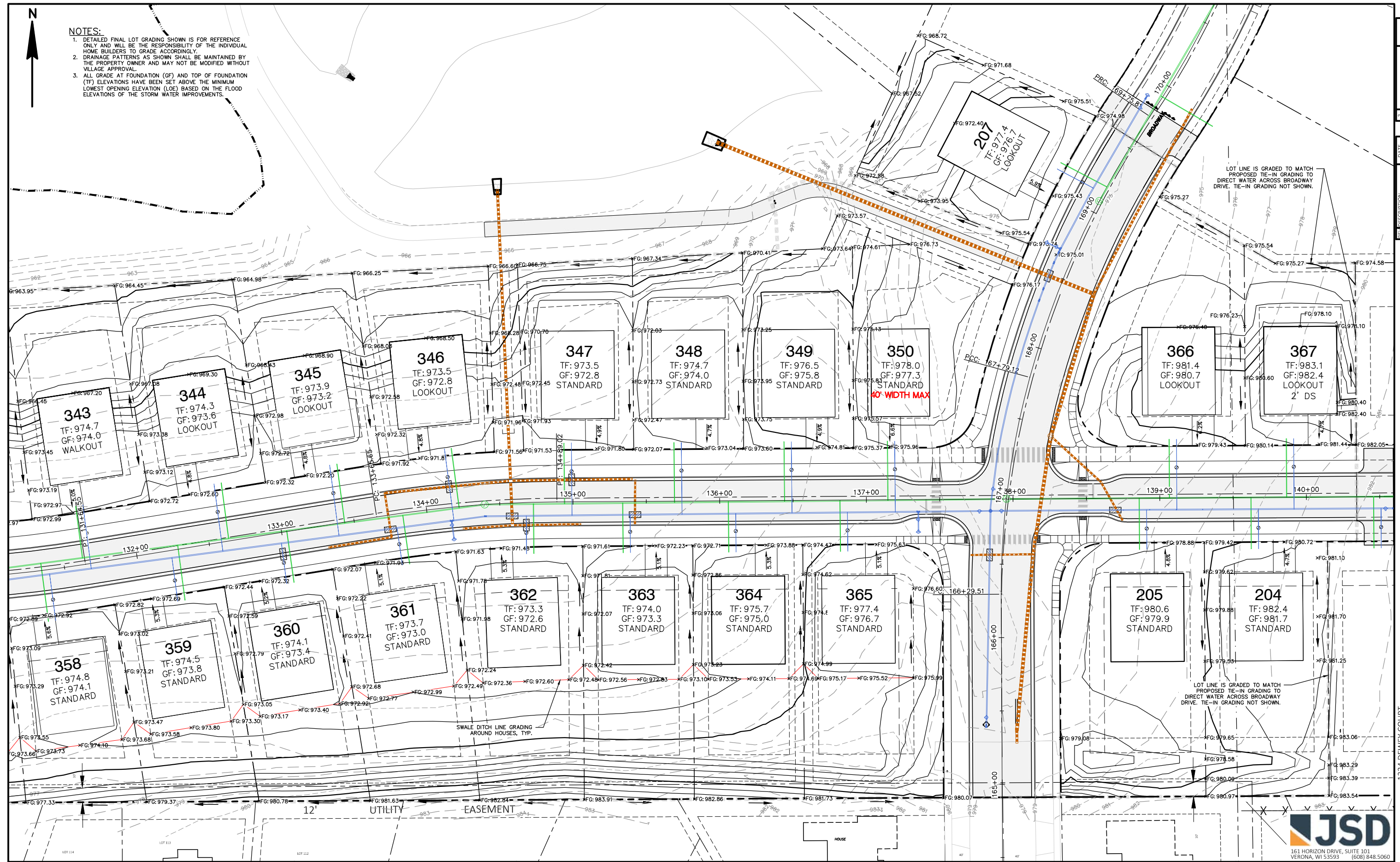


161 HORIZON DRIVE, SUITE 101
VERONA, WI 53593 (608) 848.5060

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NOTES:

1. DETAILED FINAL LOT GRADING SHOWN IS FOR REFERENCE ONLY AND WILL BE THE RESPONSIBILITY OF THE INDIVIDUAL HOME BUILDERS TO GRADE ACCORDINGLY.
2. DRAINAGE PATTERNS AS SHOWN SHALL BE MAINTAINED BY THE PROPERTY OWNER AND MAY NOT BE MODIFIED WITHOUT VILLAGE APPROVAL.
3. ALL GRADE AT FOUNDATION (GF) AND TOP OF FOUNDATION (TF) ELEVATIONS HAVE BEEN SET ABOVE THE MINIMUM LOWEST OPENING ELEVATION (LOE) BASED ON THE FLOOD ELEVATIONS OF THE STORM WATER IMPROVEMENTS.



LOT LINE IS GRADED TO MATCH PROPOSED TIE-IN GRADING TO DIRECT WATER ACROSS BROADWAY DRIVE. TIE-IN GRADING NOT SHOWN.

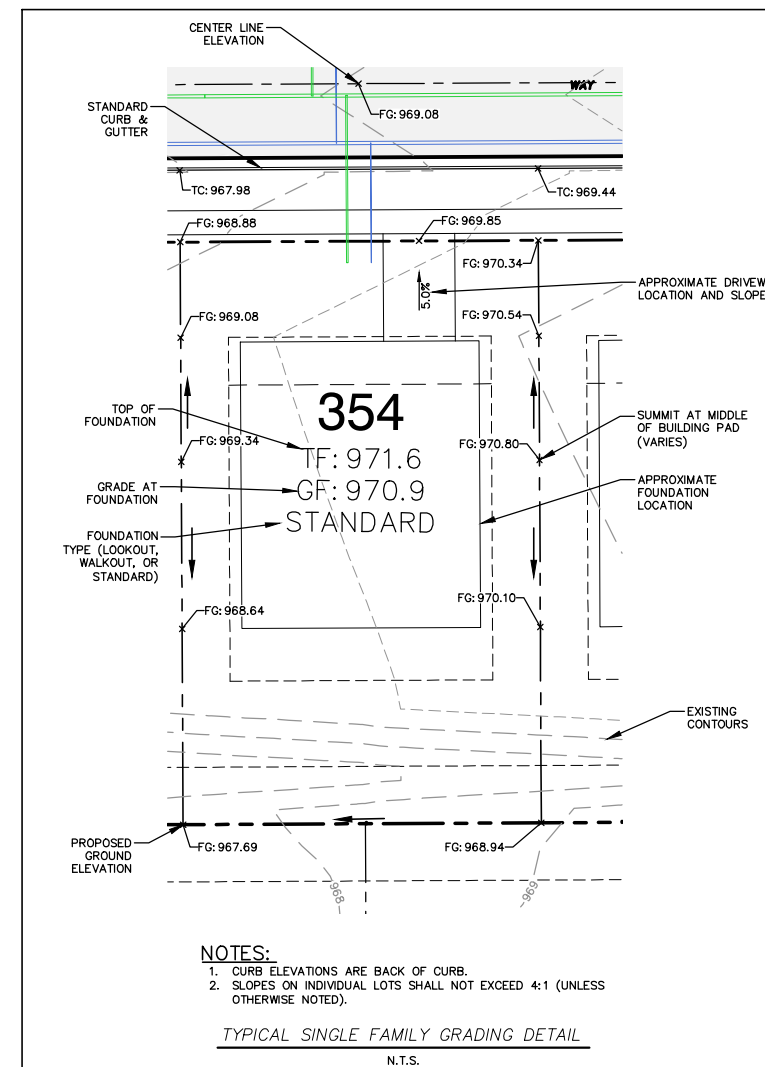
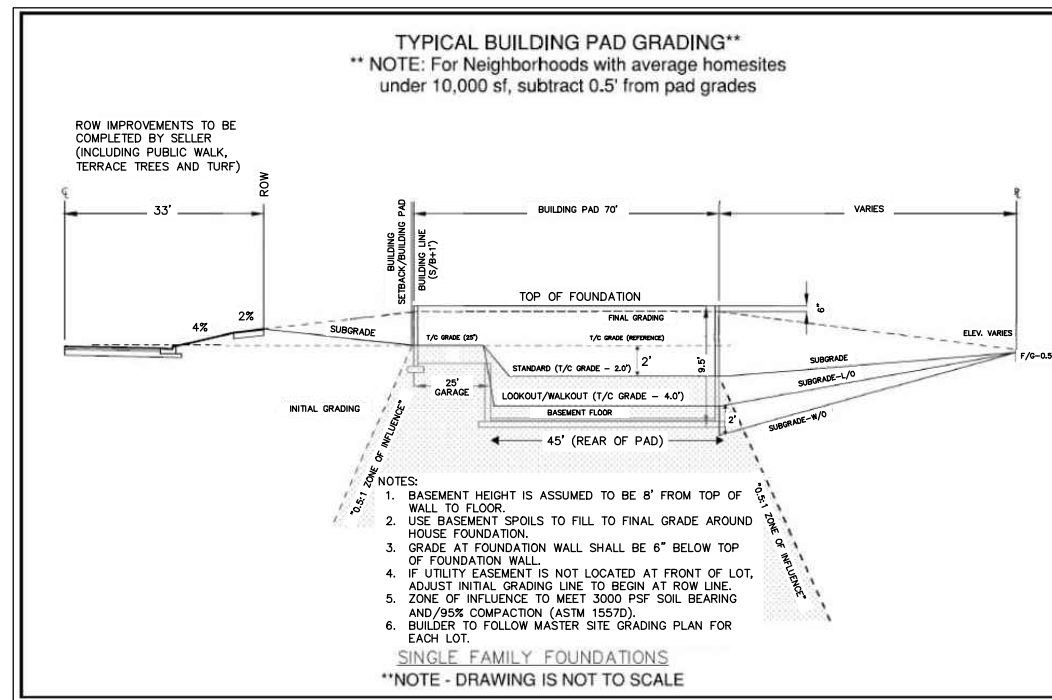
LOT LINE IS GRADED TO MATCH PROPOSED TIE-IN GRADING TO DIRECT WATER ACROSS BROADWAY DRIVE. TIE-IN GRADING NOT SHOWN.

SWALE DITCH LINE GRADING AROUND HOUSES, TYP.

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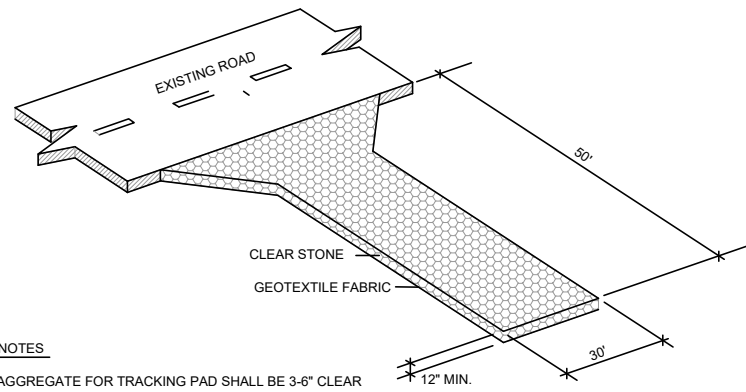




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MATERIAL NOTES

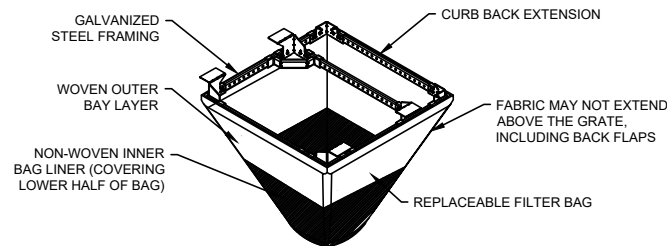
1. THE AGGREGATE FOR TRACKING PAD SHALL BE 3-6" CLEAR STONE.
2. THE TRACKING PAD SHALL BE UNDERLAIN WITH A WDOT TYPE HR GEOTEXTILE FABRIC.

INSTALLATION NOTES

1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF WDNR CONSERVATION PRACTICE STANDARD 1057.
2. THE TRACKING PAD SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. STONE TRACKING PAD SHALL BE USED AT ALL POINTS OF CONSTRUCTION EGRESS.
3. DIMENSIONS OF THE TRACKING PAD SHALL BE MINIMUM AS NOTED ON THE FIGURE ABOVE.
4. SURFACE WATER SHALL BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY FROM TRACKING PADS OR CONVEYED UNDER AND AROUND THEM USING CULVERTS OR OTHER PRACTICES.
5. TRACKING PAD SHALL BE REMOVED OR INCORPORATED INTO GRAVEL DRIVEWAY ONLY AFTER CONSTRUCTION IS COMPLETE AND THE SITE HAS BEEN STABILIZED.

INSPECTION & MAINTENANCE NOTES

1. STONE TRACKING PADS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
2. ADDITIONAL AGGREGATE SHALL BE PLACED IF THE TRACKING PAD BECOMES BURIED OR IF SEDIMENT IS NOT BEING REMOVED EFFECTIVELY FROM THE VEHICLE TIRES.
3. A MINIMUM 30-FOOT WIDE BY 50-FOOT LONG BY 12-INCH THICK PAD SHALL BE MAINTAINED AT ALL TIMES.
4. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.
5. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING AT THE END OF EACH WORKING DAY.
6. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION FOR SITE CONDITIONS.



INSTALLATION NOTES

1. REMOVE GRATE FROM THE DRAINAGE STRUCTURE.
2. CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE.
3. DROP THE INLET FILTER THROUGH THE CLEAN OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE.
4. REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8".

MAINTENANCE NOTES

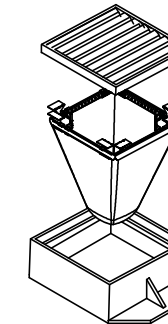
1. EMPTY THE SEDIMENT BAG IF IT IS MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS.
2. REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE.
3. DISPOSE OF SEDIMENT AND DEBRIS AS DIRECTED BY THE ENGINEER OR MAINTENANCE CONTRACT.
4. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM THE FILTER BAG.

CATCH-IT INLET FILTER (Temporary Inlet Protection)

Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft ²)	Flow Ratings (CFS)		ADS P/N
					HB (Hybrid Bag)	Bypass	
3067	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCBEX1HB
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCB324HB
3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	0.7	2.2	62MCB2316HB
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQ3618HB
R-2501	Round (RD)	-26	-24	2.3	0.8	5.2	62MRD26HB
R-1772/2560	Round (RD)	22.25-23.5	20.5-21	1.5	0.6	4.6	62MRD22HB

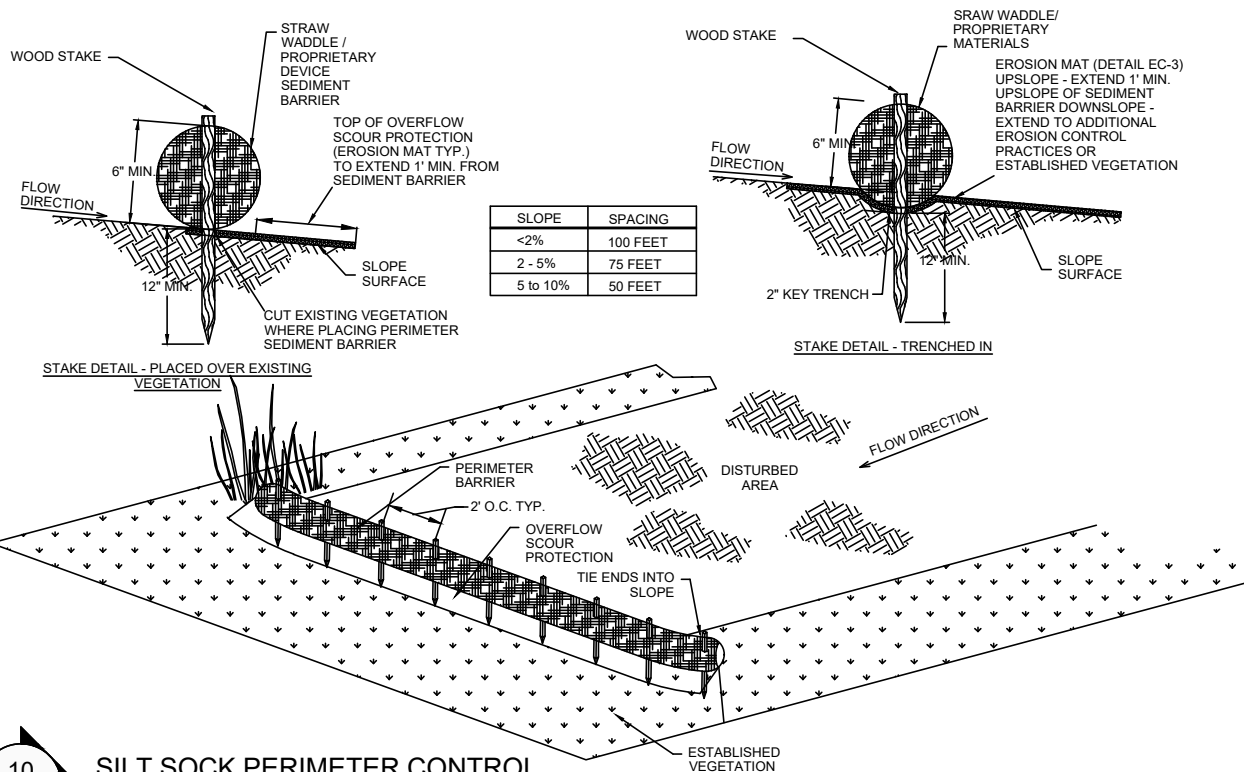
(HB) HYBRID FILTER BAG SPECIFICATIONS:

PROPERTY	TEST METHOD	CONFORMANCE	MINIMUM AVERAGE RESULT VALUE
INITIAL FLOW RATE	ASTM D 4753	100% PASS	1.75 CFS
FINAL FLOW RATE	ASTM D 4753	100% PASS	1.50 CFS
PERCENTAGE BLOCKAGE	ASTM D 4753	100% PASS	85%
PERCENTAGE DEBRIS	ASTM D 4753	100% PASS	2%
PERCENTAGE FINE PARTICLES	ASTM D 4753	100% PASS	45.5%
PERCENTAGE SAND	ASTM D 4753	100% PASS	3.0%
PERCENTAGE SILT	ASTM D 4753	100% PASS	1.75%
PERCENTAGE CLAY	ASTM D 4753	100% PASS	0.5%



8 CONSTRUCTION ENTRANCE (TRACKING PAD)

NO SCALE



10 SILT SOCK PERIMETER CONTROL

NO SCALE

9 INLET PROTECTION, FRAMED (FLEXSTORM CATCH-IT), TO MEET DANE COUNTY EROSION CONTROL STANDARDS

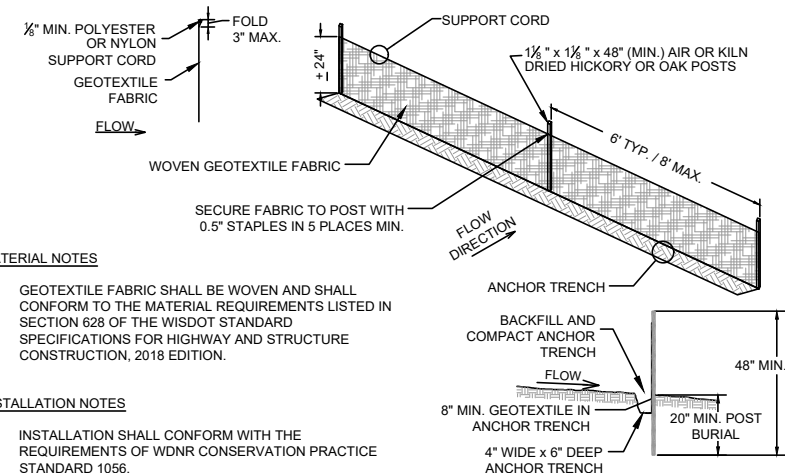
NO SCALE

MATERIAL NOTES

1. PERIMETER SEDIMENT CONTROL PRACTICES SHALL CONSIST OF STRAW WATTLES OR PROPRIETARY MATERIALS.
2. EROSION MAT SHALL BE SELECTED AND INSTALLED PER THE REQUIREMENTS LISTED IN STANDARD DETAIL D2.
3. WOOD STAKES SHALL BE AIR OR KILN DRIED HICKORY OR OAK WITH THE FOLLOWING DIMENSIONS: 1 1/2" x 1 1/2" x REQUIRED LENGTH

INSTALLATION NOTES

1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF APPLICABLE WDNR CONSERVATION PRACTICE STANDARDS.
2. PROPRIETARY MATERIALS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. WHEN JOINTS ARE NECESSARY, OVERLAP AND SECURE TO MINIMIZE POTENTIAL FOR CONCENTRATED FLOW.
4. INSTALL ALL PERIMETER SEDIMENT CONTROL PRACTICES SUCH THAT THE ENDS TIE INTO THE SLOPE TO PREVENT EROSION FROM CONCENTRATED FLOW AROUND THE ENDS.
5. PERIMETER SEDIMENT CONTROL PRACTICES SHOULD BE USED IN CONJUNCTION WITH PERMANENT RESTORATION PRACTICES.
6. WHEN NOT USED IN CONJUNCTION WITH OTHER PRACTICES, INSTALL PERIMETER SEDIMENT CONTROL PRACTICES PER THE SPACING REQUIREMENTS (DISTURBED SLOPE LENGTH) NOTED IN THE FOLLOWING TABLE:



MATERIAL NOTES

1. GEOTEXTILE FABRIC SHALL BE WOVEN AND SHALL CONFORM TO THE MATERIAL REQUIREMENTS LISTED IN SECTION 628 OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2018 EDITION.

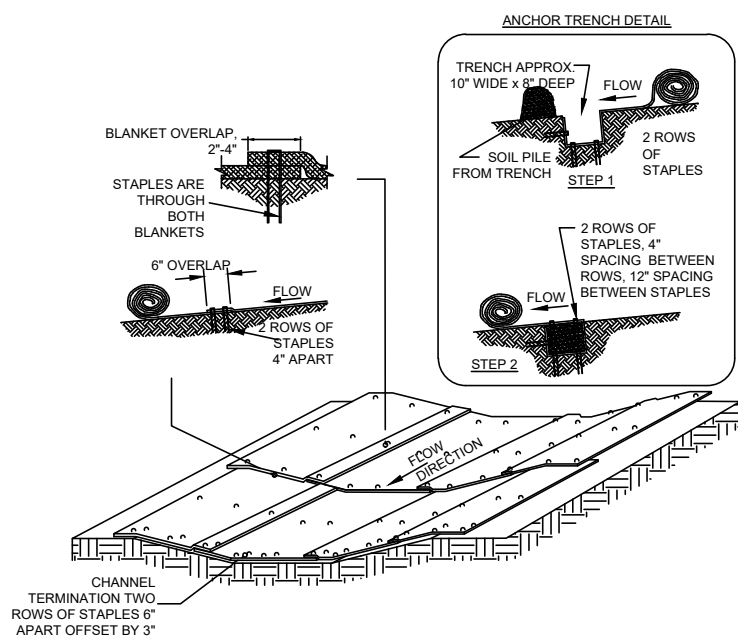
INSTALLATION NOTES

1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF WDNR CONSERVATION PRACTICE STANDARD 1056.
2. CONSTRUCT THE SILT FENCE IN AN ARC WITH THE ENDS POINTING UPSLOPE TO AVOID EROSION AROUND THE ENDS OF THE FENCE.
3. FAILURE TO PROPERLY ANCHOR SILT FENCE COULD RESULT IN WATER AND SEDIMENT RELEASE BENEATH THE SILT FENCE. PROPERLY SECURE THE SILT FENCE INTO THE ANCHOR TRENCH.
4. CONSTRUCT THE FENCE FROM A CONTINUOUS ROLL OF GEOTEXTILE TO AVOID JOINTS. WHERE JOINTS ARE NECESSARY, OVERLAP TO THE NEXT POST OR WRAP ADJOINING FABRICS TOGETHER AROUND THE JOINT POST AND TIGHTLY FASTEN.
5. SILT FENCE SHALL NOT BE USED IN AREAS OF CONCENTRATED FLOW.

11 SILT FENCE

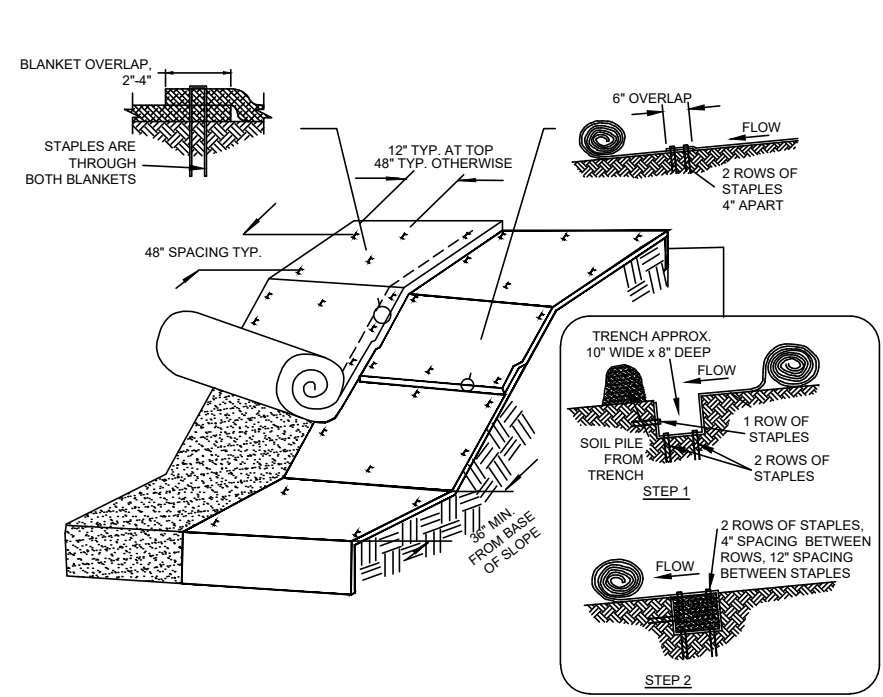
NO SCALE

12
26 **EROSION CONTROL MAT (CHANNELS)**
NO SCALE



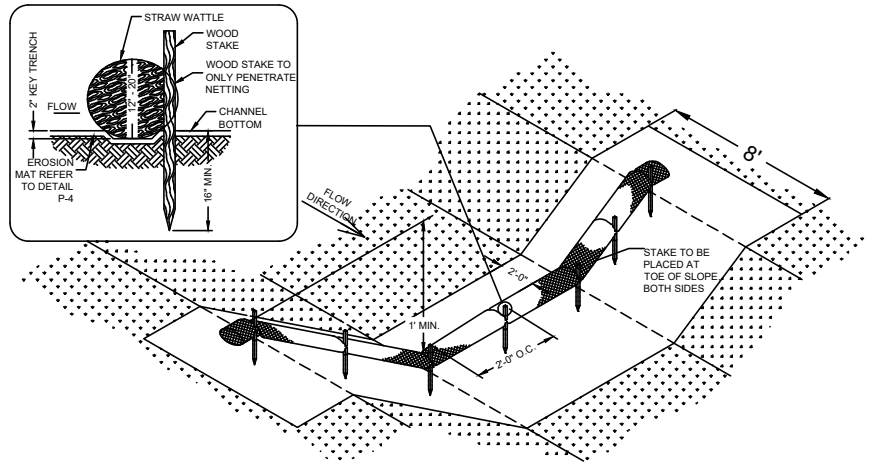
- MATERIAL NOTES**
1. EROSION CONTROL REVEGETATIVE MATS (ECRM) SHALL BE WISDOT PRODUCT ACCEPTABLE LIST (PAL) APPROVED CLASS II TYPE C, UNLESS DIRECTED OTHERWISE.
 2. ONLY PRODUCTS LISTED IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) ARE ACCEPTABLE FOR USE.
 3. STAPLES USED FOR CLASS I TYPES A & B MATS SHALL BE 1-2 INCH WIDE, U-SHAPED, MADE OF NO.11 (3.05mm) OR LARGER DIAMETER STEEL WIRE, AND NOT LESS THAN MA
 4. 6 INCHES LONG FOR FIRM SOILS AND 12 INCHES LONG FOR LOOSE SOILS.
- INSTALLATION NOTES**
1. INSTALLATION OF ECRM SHOULD BE COORDINATED WITH PERMANENT RESTORATION PRACTICES.
 2. INSTALLATION SHALL CONFORM WITH WDNR CONSERVATION PRACTICE STANDARD 1052.
 3. ALL PRODUCTS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. THIS STANDARD DETAIL IS AN EXAMPLE OF TYPICAL INSTALLATION GUIDANCE.
 4. MATS SHALL EXTEND UPSLOPE 2-FT VERTICALLY FROM THE DITCH BOTTOM OR 6 INCHES HIGHER THAN THE DESIGN FLOW DEPTH, WHICHEVER IS GREATER.
 5. MATS SHALL BE IN FIRM AND CONTINUOUS CONTACT WITH THE SOIL.
 6. WHEN POSSIBLE, AVOID PLACING SIDE-BY-SIDE LAP JOINTS IN THE BOTTOM OF CHANNELS.
- INSPECTION & MAINTENANCE NOTES**
1. MAT SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
 2. INSTALL ADDITIONAL ANCHORING IN AREAS OF OBSERVED RILLING AND CONCENTRATED FLOW BENEATH THE EROSION MAT. IF RILLING IS SEVERE ENOUGH TO PREVENT VEGETATION ESTABLISHMENT, REMOVE EROSION MAT, REGRADE, COMPACT, RE-SEED, AND REPLACE THE SECTION OF MAT.
 3. IF PRODUCTS WITH PLASTIC NETTING ARE USED, REMOVE NETTING OR REPLACE MAT IF SEPARATION OF THE NETTING FROM THE MAT IS OBSERVED.
 4. ALL MAINTENANCE ACTIVITIES SHOULD OCCUR AS SOON AS POSSIBLE WITH CONSIDERATION OF SITE CONDITIONS.

13
26 **EROSION CONTROL MAT (SLOPES)**
NO SCALE



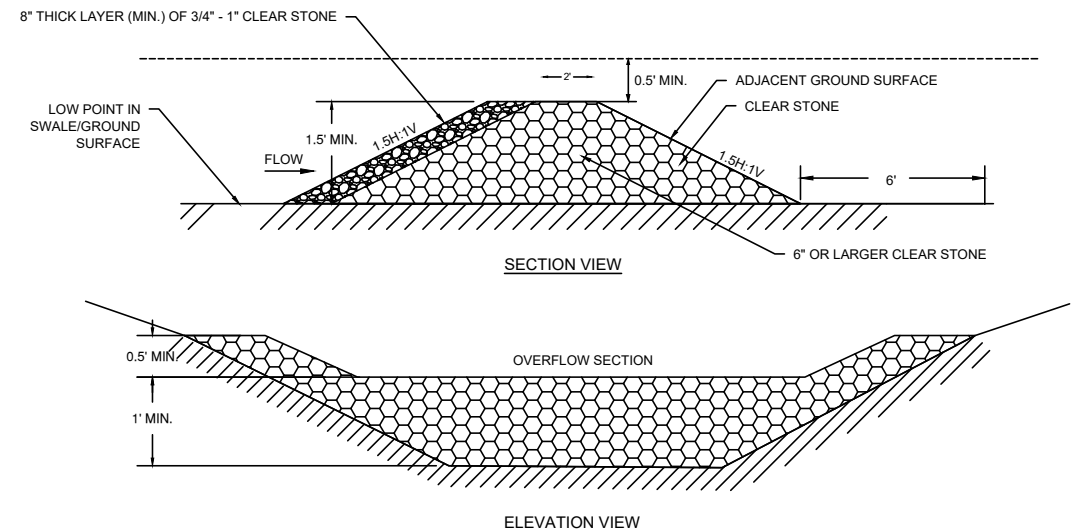
- MATERIAL NOTES**
1. STAPLES USED FOR CLASS I TYPES B MATS SHALL BE 1-2 INCH WIDE, U-SHAPED, MADE OF NO.11 (3.05mm) OR LARGER DIAMETER STEEL WIRE, AND NOT LESS THAN 6 INCHES LONG FOR FIRM SOILS AND 12 INCHES LONG FOR LOOSE SOILS.
 2. ANCHORING DEVICES FOR URBAN MATS SHALL BE SELECTED BASED UPON THE REQUIREMENTS OF THE WISDOT PAL.
- INSTALLATION NOTES**
1. INSTALLATION SHALL CONFORM WITH WDNR CONSERVATION PRACTICE STANDARD 1052.
 2. EROSION MAT SHALL BE IN FIRM AND CONTINUOUS CONTACT WITH THE SOIL AND EXTEND UPSLOPE ONE-FOOT FROM LAND DISTURBANCE.
 3. EROSION MAT SHALL BE ANCHORED, OVERLAPPED, STAKED AND ENTRENCHED PER THE MANUFACTURER'S RECOMMENDATIONS. THIS STANDARD DETAIL IS AN EXAMPLE OF TYPICAL INSTALLATION GUIDANCE.
 4. WHERE POSSIBLE, USE A SINGLE ROLL OF EROSION CONTROL MAT TO SPAN THE DISTURBED AREA.
- INSPECTION & MAINTENANCE NOTES**
1. AT A MINIMUM, PERFORM INSPECTIONS WEEKLY AND WITHIN 24 HOURS OF PRECIPITATION EVENTS PRODUCING 0.5 INCHES OR MORE OF RAINFALL.
 2. INSTALL ADDITIONAL ANCHORING IN AREAS OF OBSERVED RILLING AND CONCENTRATED FLOW BENEATH THE EROSION MAT. IF RILLING IS SEVERE ENOUGH TO PREVENT VEGETATION ESTABLISHMENT, REMOVE EROSION MAT, REGRADE, COMPACT, RE-SEED, AND REPLACE THE SECTION OF MAT.
 3. IF PRODUCTS WITH PLASTIC NETTING ARE USED, REMOVE NETTING OR REPLACE MAT IF SEPARATION OF THE NETTING FROM THE MAT IS OBSERVED.
 4. ALL MAINTENANCE ACTIVITIES SHOULD OCCUR AS SOON AS POSSIBLE WITH CONSIDERATION OF SITE CONDITIONS.

- INSPECTION & MAINTENANCE NOTES**
1. DITCH CHECKS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
 2. WHEN OBSERVING CONDITIONS OF DITCH CHECKS, PAY SPECIAL CONSIDERATION TO THE PRESENCE OF INDICATORS THAT WATER IS ERODING AROUND THE ENDS, UNDERCUTTING THE DITCH CHECK, OR SIGNIFICANT EROSION IS OCCURRING DOWNSTREAM OF THE DITCH CHECK. THESE ITEMS MAY INDICATE THE NEED FOR CLOSER SPACING ON DITCH CHECKS OR USE OF A DIFFERENT EROSION MAT.
 3. SEDIMENT SHALL BE REMOVED FROM BEHIND THE DITCH CHECK WHEN IT REACHES 1/2 THE HEIGHT OF THE LOWEST ELEVATION OF THE DITCH CHECK.
 4. DITCH CHECKS SHALL BE REMOVED ONCE CHANNEL IS STABILIZED WITH VEGETATION UNLESS PART OF A PERMANENT STORMWATER MANAGEMENT PLAN.
 5. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION FOR SITE CONDITIONS.



- MATERIAL NOTES**
1. DITCH CHECKS SHALL BE CONSTRUCTED OF APPROVED MATERIALS LISTED IN WISCONSIN DEPARTMENT OF TRANSPORTATION EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) FOR TEMPORARY DITCH CHECKS.
 2. EROSION MAT SHALL BE SELECTED AND INSTALLED PER THE REQUIREMENTS LISTED IN DETAIL D-7.
 3. WOOD STAKES SHALL MEET THE FOLLOWING REQUIREMENTS:
FOR 12" SEDIMENT LOGS: 1 1/2" X 1 1/2" X 30" AIR OR KILN DRIED HICKORY OR OAK STAKES
FOR 20" SEDIMENT LOGS: 1 1/2" X 1 1/2" X 48" AIR OR KILN DRIED HICKORY OR OAK STAKES
- INSTALLATION NOTES**
1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF WDNR CONSERVATION PRACTICE STANDARD 1062.
 2. PROPRIETARY DITCH CHECKS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 3. DITCH CHECK SHALL BE INSTALLED SUCH THAT ENDS ARE HIGHER THAN THE CENTER CREATING A STABLE OVERFLOW POINT. ENDS SHOULD BE A MINIMUM OF 6" HIGHER THAN THE EXPECTED DESIGN WATER LEVEL.
 4. DITCH CHECKS SHOULD BE INSTALLED SUCH THAT ADJOINING PROPERTY IS NOT NEGATIVELY IMPACTED.
 5. DITCH CHECKS SHOULD BE USED IN CONJUNCTION WITH OTHER PERMANENT RESTORATION PRACTICES.

14
26 **DITCH CHECK**
NO SCALE

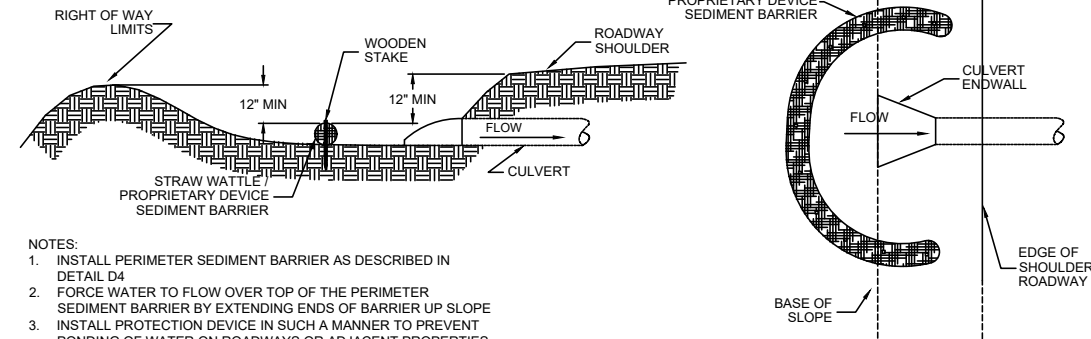


- MATERIAL NOTES**
1. CHECKS DAM SHALL BE CONSTRUCTED USING 6" OR LARGER CLEAR STONE.
- INSTALLATION NOTES**
1. CHECK DAM SHALL BE INSTALLED SUCH THAT ENDS ARE HIGHER THAN THE CENTER CREATING A STABLE OVERFLOW POINT. ENDS SHOULD BE MINIMUM OF 6" HIGHER THAN THE EXPECTED DESIGN WATER LEVEL.
 2. IF CHECK DAM IS USED ON A TEMPORARY SEDIMENT TRAP, A SUMP AREA WITH A MINIMUM DEPTH OF 3 FEET SHALL BE EXCAVATED UPSTREAM OF CHECK DAM.

15
26 **STONE WEEPER/ROCK CHECK DAM**
NO SCALE

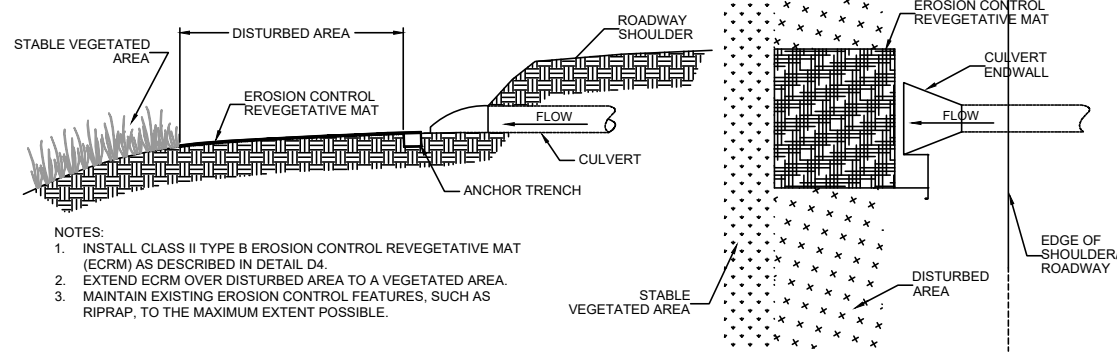
1334 DEWEY COURT
MADISON, WI 53703 (608) 839.4422
EOR

CULVERT DRAINING PROJECT AREA



- NOTES:
1. INSTALL PERIMETER SEDIMENT BARRIER AS DESCRIBED IN DETAIL D4
 2. FORCE WATER TO FLOW OVER TOP OF THE PERIMETER SEDIMENT BARRIER BY EXTENDING ENDS OF BARRIER UP SLOPE
 3. INSTALL PROTECTION DEVICE IN SUCH A MANNER TO PREVENT PONDING OF WATER ON ROADWAYS OR ADJACENT PROPERTIES

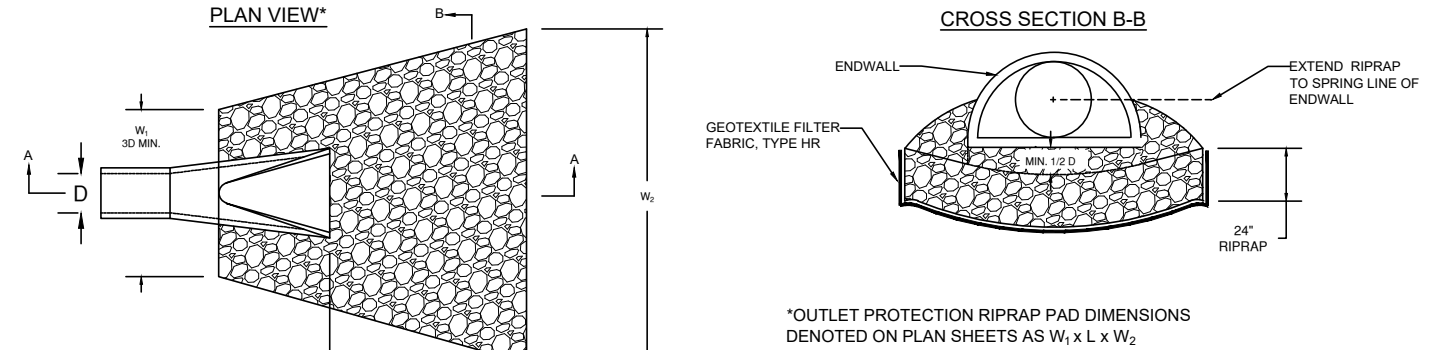
CULVERT DISCHARGING TO PROJECT AREA



- NOTES:
1. INSTALL CLASS II TYPE B EROSION CONTROL REVEGETATIVE MAT (ECRM) AS DESCRIBED IN DETAIL D4.
 2. EXTEND ECRM OVER DISTURBED AREA TO A VEGETATED AREA.
 3. MAINTAIN EXISTING EROSION CONTROL FEATURES, SUCH AS RIPRAP, TO THE MAXIMUM EXTENT POSSIBLE.

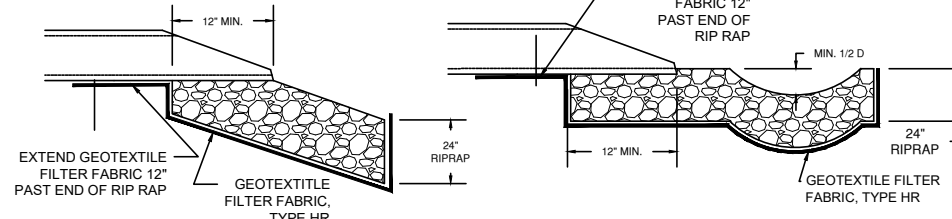
16
27 **CULVERT DISCHARGE AREA**
NO SCALE

PLAN VIEW*



*OUTLET PROTECTION RIPRAP PAD DIMENSIONS DENOTED ON PLAN SHEETS AS W₁ x L x W₂

CROSS SECTION A-A



SLOPED POND DISCHARGE

SLOPED/FLAT SWALE DISCHARGE AND FLAT POND DISCHARGE

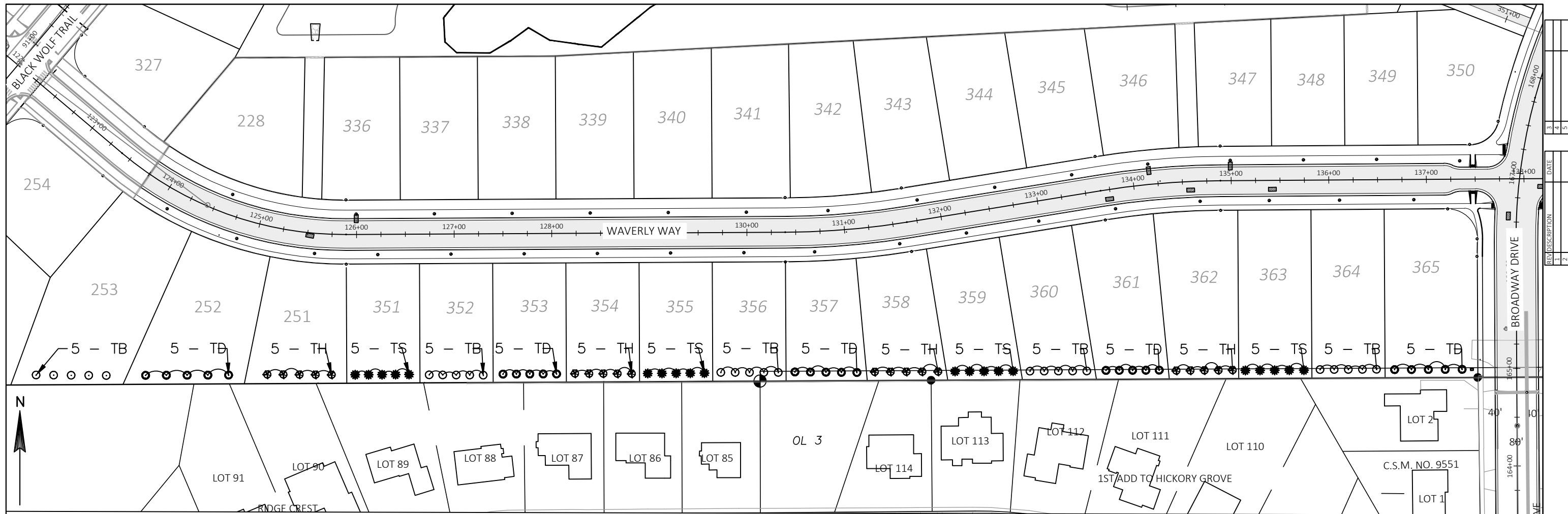
Pipe Diameter (in)	W x L x W ₂ (ft)
<8	1.5 x 3 x 4
12	3 x 4 x 4
15	3.75 x 6 x 5
18	4.5 x 6 x 5
21	5.25 x 6 x 6
24	6 x 7 x 6
30	7.5 x 7 x 7.5
36	9 x 9 x 9
42	10.5 x 9 x 10

NOTES:

1. RIPRAP SHALL BE WISDOT SMALL RIP RAP FOR PIPES LESS THAN 12- INCHES IN DIAMETER AND WISDOT MEDIUM RIP RAP FOR PIPES GREATER THAN OR EQUAL TO 12-INCHES IN DIAMETER.
2. RIPRAP SHALL BE INSTALLED PER THE REQUIREMENTS OF "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" (WISDOT, 2019).
3. RIPRAP SHALL BE SHAPED TO CREATE A STILLING BASIN BASIN DEPTH TO BE 1-FOOT BELOW PIPE INVERT FOR PIPES 30-INCH AND LARGER, 0.5-FOOT FOR SMALLER PIPES.
4. INSTALL END SECTION PER CITY OF FITCHBURG STANDARDS. TWO JOINT TIES ARE REQUIRED FOR LAST (DOWNSTREAM) TWO JOINTS ON ANY PIPE ENDING IN AN APRON ENDWALL.
5. RIPRAP SHALL EXTEND TO TOE OF SLOPE MIN.

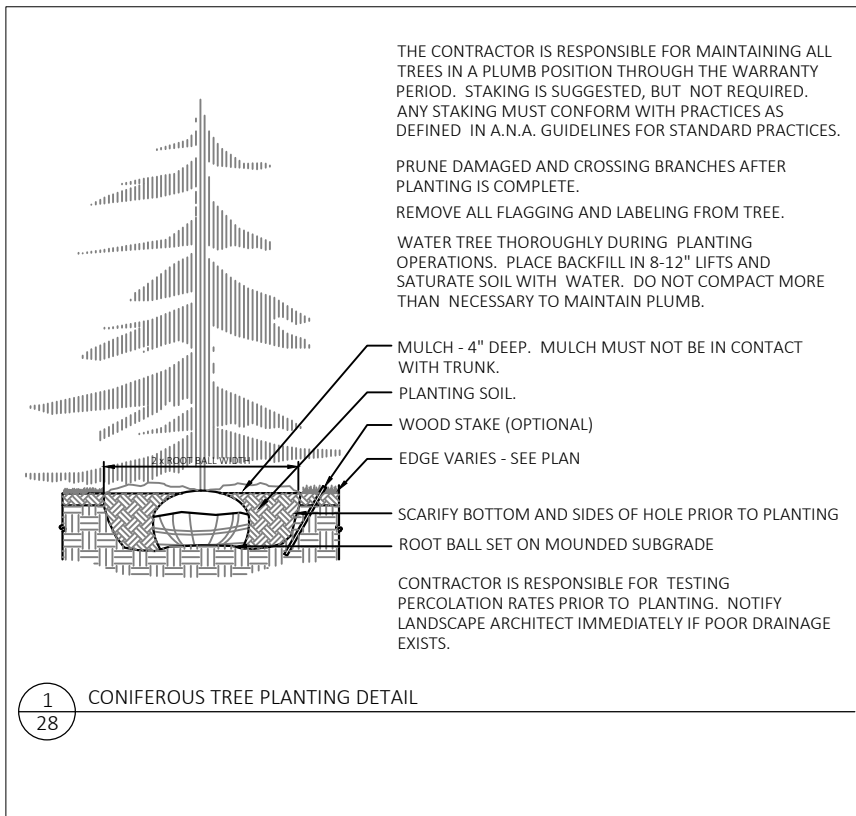
17
27 **RIPRAP PAD**
NO SCALE

3	4	5
DATE		
REV	DESCRIPTION	
1		
2		



PLANT SCHEDULE

EVERGREEN TREES	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY
	TB	Thuja occidentalis 'BailJohn' TM / Technito Arborvitae	5' Ht.	B&B	25
	TD	Thuja occidentalis 'Dark Green' / Dark American Arborvitae	5' Ht.	B&B	25
	TH	Thuja occidentalis 'Holmstrup' / Holmstrup Arborvitae	5' Ht.	B&B	20
	TS	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae	5' Ht.	B&B	20



1
28 CONIFEROUS TREE PLANTING DETAIL



LEGEND

- - - - - EXISTING MINOR CONTOURS
- - - - - EXISTING MAJOR CONTOURS (5-FOOT)
- PROPOSED MINOR CONTOURS
- PROPOSED MAJOR CONTOURS (5-FOOT)
- - - - - LOT LINE

DWELLINGS WITH BASEMENT LIMITATIONS

- [Hatched Box] NOT LIMITED
- [Dotted Box] SOMEWHAT LIMITED
- [Cross-hatched Box] VERY LIMITED

REV	DESCRIPTION	DATE
1		
2		
3		
4		
5		

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