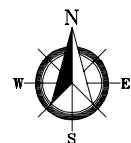
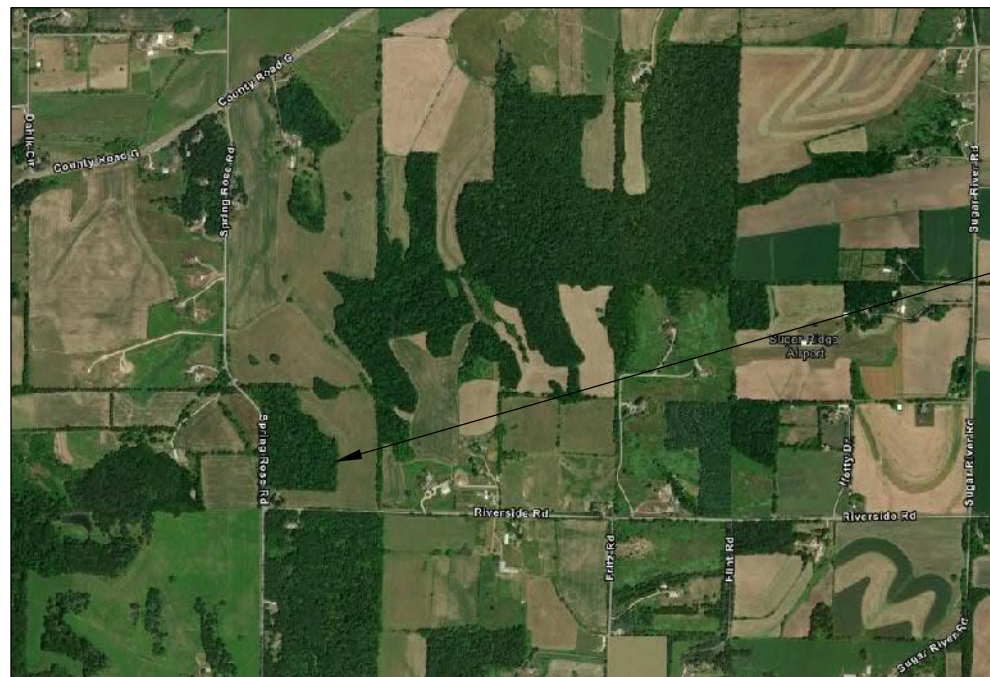


# RIVERSIDE VISTA IMPROVEMENT PLANS

## TOWN OF VERONA, DANE COUNTY, WISCONSIN



PROJECT LOCATION

### INDEX

SHEET NO.	STATIONS	DESCRIPTION
1		TITLE SHEET
2		GENERAL NOTES AND LEGENDS
3		EXISTING CONDITIONS PLAN
4		SITE PLAN
5		OVERALL GRADING AND EROSION CONTROL PLAN
6		INTERSECTION, CUL-DE-SAC & STORMWATER AREA GRADING PLAN
7	STA 0+00 - 5+50	PLAN AND PROFILE - RIVERSIDE VISTA WAY
8	STA 5+50 - 11+00	PLAN AND PROFILE - RIVERSIDE VISTA WAY
9	STA 20+00 - 25+00	PLAN AND PROFILE - STORMWATER BASINS
10	STA 1+00 - 5+00	CROSS SECTIONS
11	STA 5+50 - 8+00	CROSS SECTIONS
12	STA 8+50 - 9+50	CROSS SECTIONS
13	STA 10+00 - 10+50	CROSS SECTIONS
14		CONSTRUCTION DETAILS
15		CONSTRUCTION DETAILS
16		CONSTRUCTION DETAILS
17		CONSTRUCTION DETAILS



DIAL 811 OR (800) 242-8511

www.DiggersHotline.com

THE LOCATION OF ANY AND ALL EXISTING UTILITIES, INCLUDING UNDERGROUND AND OVERHEAD, SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ANY UTILITIES, WHETHER DEPICTED ON THE PLANS OR NOT, BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES THAT ARISE BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PROTECT ANY AND ALL UTILITIES.



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No.	Date	Description	Description

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Date:	2/5/2024
Drawn By:	ALC
Project No:	230019
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# RIVERSIDE VISTA IMPROVEMENT PLANS

## TOWN OF VERONA, DANE COUNTY, WISCONSIN

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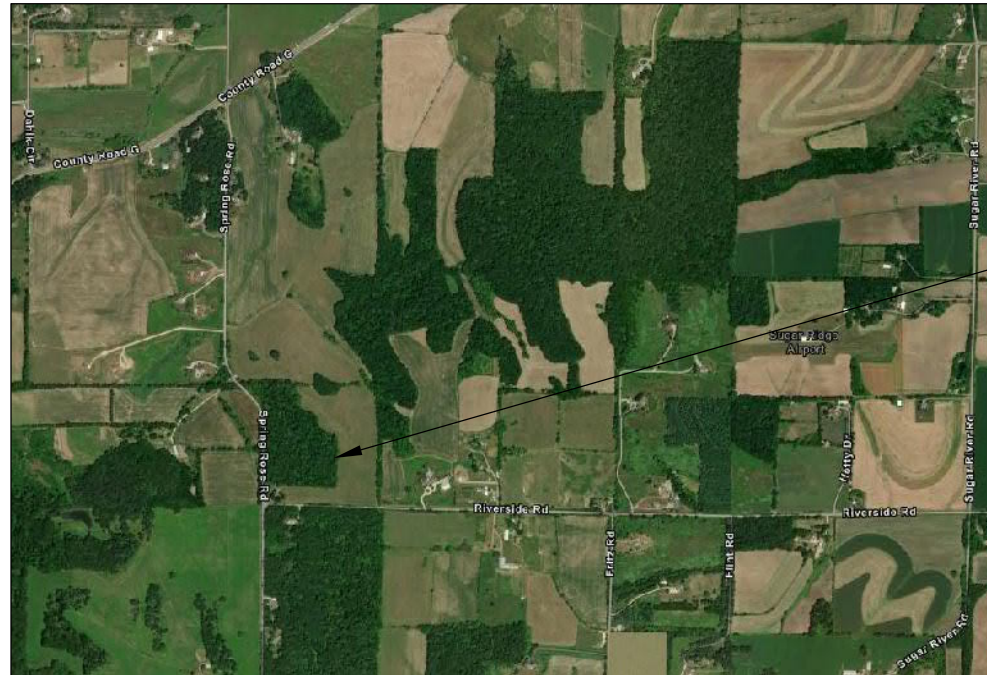
Drawn By: ALC

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PROJECT LOCATION



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Digitally signed by Adam Carrico  
DN: cn=Adam Carrico, c=US, o=Carrico Engineering  
email=adam@carricoengineering.com  
Reason: I am the author of this document  
Date: 2024.02.04 23:31:13 -0600

## PROJECT INFORMATION

**AGENCIES:**

TOWN OF VERONA  
7669 COUNTY HIGHWAY PD  
VERONA, WI 53593  
(608) 845-7187

DANE COUNTY LAND & WATER  
RESOURCES  
5201 FEN OAK DR  
MADISON, WI 53718  
(608) 224-3730

EMERGENCY - FIRE, RESCUE,  
AMBULANCE, POLICE  
DIAL 911

VERONA FIRE DEPARTMENT  
101 LINCOLN ST  
VERONA WI 53593  
(608) 845-9401

DANE COUNTY SHERIFF  
115 W DOTY ST  
MADISON, WI 53703  
(608) 266-4948

**UTILITIES:**

ELECTRIC COMPANY  
ALLIANT ENERGY  
KRYSTAL MCDERMOTT  
(608) 842-1741

TELEPHONE/INTERNET  
TDS TELECOM  
JERRY MYERS  
(608) 664-4404

NATURAL GAS  
MADISON GAS & ELECTRIC  
JOHN WICHERN  
(608) 252-1563

**OWNER:**

COONS CONSTRUCION OF VERONA  
VERONA, WI

**ENGINEER:**

CARRICO ENGINEERING  
8177 COUNTY ROAD G  
VERONA, WI 53593  
(608) 832-6352

**SURVEYOR:**

WILLIAMSON SURVEYING &  
ASSOCIATES, LLC.  
104A WEST MAIN ST  
WAUNAKEE, WI 53597  
(608) 255-5705

## GENERAL NOTES

1. TOPOGRAPHIC SURVEY AND UTILITIES SHOWN ARE FROM SURVEY PREVIOUSLY COMPLETED BY OTHERS COMBINED WITH GIS LIDAR DATA.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO STARTING WORK.
3. CONTRACTOR SHALL KEEP ADJACENT ROADS AND PRIVATE PROPERTY FREE AND CLEAR OF CONSTRUCTION RELATED EQUIPMENT, DIRT, DUST AND DEBRIS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OR GRADING AROUND ANY EXISTING UTILITY LINES AND UTILITY PEDESTALS WITH UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
5. ALL SAWCUTTING SHALL BE FULL DEPTH TO PROVIDE A CLEAN EDGE TO MATCH NEW PAVEMENT ROAD ENDS AND DRIVEWAYS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
7. ALL TREES REQUIRED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO PROPOSED SUBGRADE OR AT LEAST 4" BELOW FINISHED GRADE WHERE NOT IN ROAD BED AREA. CONTRACTOR TO COORDINATE WITH LANDOWNER PRIOR TO ANY REMOVALS.
8. CONTRACTOR SHALL PROVIDE TREE PROTECTION FENCING PRIOR TO CONSTRUCTION FOR ANY TREES REMAINING THAT ARE NEAR DISTURBANCE LIMITS. MAINTAIN FENCING THROUGHOUT CONSTRUCTION. TREE PROTECTION FENCING SHALL BE EITHER CHAIN LINK FENCE SECTIONS THAT ARE INSTALLED ON GRADE WITH "FEET" OR WOOD OR PLASTIC SNOW FENCE.
9. TREE PROTECTION SHALL BE REQUIRED WHENEVER THERE WILL BE CONSTRUCTION ACTIVITY THAT COULD RESULT IN DISTURBANCE WITHIN THE CRITICAL ROOT RADIUS OF A TREE THAT IS TO BE SAVED OR WHENEVER THERE IS THE POTENTIAL FOR DAMAGE TO BRANCHES OF PLATS THAT ARE TO BE SAVED DURING CONSTRUCTION.
10. ALL PROPOSED STORM SEWER LENGTHS ON PLANS INCLUDE ENDWALL IN LENGTH WHERE ENDWALL IS CALLED OUT.

## LEGENDS

**TOPOGRAPHIC SYMBOL & LINEWORK LEGEND**

	BENCHMARK
	FOUND 1" Ø IRON PIPE
	SET P.K. NAIL / CONTROL POINT
	EXISTING POST
	EXISTING SIGN
	EXISTING ELECTRICAL TRANSFORMER
	EXISTING TELEPHONE PEDESTAL
	EXISTING CONIFEROUS TREE
	EXISTING DECIDUOUS TREE
	EXISTING BORING LOCATION
	EXISTING BURIED TELEPHONE LINE
	EXISTING GENERAL FENCE
	EXISTING GAS LINE
	EXISTING STORM PIPE
	EXISTING EDGE OF TREES
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING ASPHALT PAVEMENT

**SITE PLAN LEGEND**

	PROPERTY BOUNDARY
	PROPOSED PROPERTY LINE
	PROPOSED RIGHT-OF-WAY LINE
	PROPOSED ASPHALT PAVEMENT
	PROPOSED GRAVEL SHOULDER
	PROPOSED SIGN

**DEMOLITION LEGEND**

	SAWCUT
	UTILITY REMOVAL
	ASPHALT REMOVAL

**UTILITY LEGEND**

	PROPOSED STORM PIPE
	PROPOSED STORM END WALL
	PROPOSED STORM STRUCTURE
	PROPOSED STORM CLEAN OUT

**GRADING & EROSION CONTROL LEGEND**

	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	SILT FENCE
	DISTURBED LIMITS
	PROPOSED SLOPE ARROW & PERCENT
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	PROPOSED DITCH CHECK - SEE PLANS FOR TYPE
	PROPOSED EMAT, CLASS I, TYPE B
	PROPOSED EMAT, PERMANENT STORMWATER BASIN OUTLET PROTECTION
	PROPOSED STONE TRACKING PAD
	PROPOSED RIP RAP
	INLET PROTECTION

**ABBREVIATIONS**

EP	= EDGE OF PAVEMENT
EG	= EDGE OF GRAVEL
EW	= END WALL
FI	= FIELD INLET
R/W	= RIGHT-OF-WAY

General Notes and Legends  
Riverside Vista  
Town of Verona  
Dane County, Wisconsin



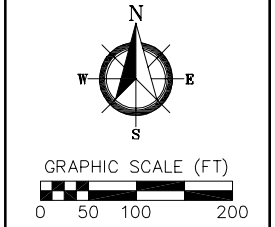
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TOWN OF SPRINGDALE

TOWN OF VERONA



PARCEL 060725400110  
1970 SPRING ROSE ROAD

PARCEL 060830386853

PARCEL 060725495005

PARCEL 060725495309

TOWN OF SPRINGDALE

PARCEL  
060830390008  
1,591,613 SQ. FT.  
36.54 ACRES

TOWN OF VERONA

PARCEL 060830395500  
7830 RIVERSIDE ROAD

PARCEL 060830392300  
7906 RIVERSIDE ROAD

PARCEL 060736180002

TOWN OF SPRINGDALE

PARCEL 060831286800  
7891 RIVERSIDE ROAD

TOWN OF VERONA

PARCEL 060831287850

PARCEL 060831280800

PARCEL 060831280010

SPRING ROSE ROAD

SPRING ROSE ROAD

RIVERSIDE ROAD

EXISTING PARCEL BOUNDARY, TYP.

EXISTING TREE LINE, TYP.

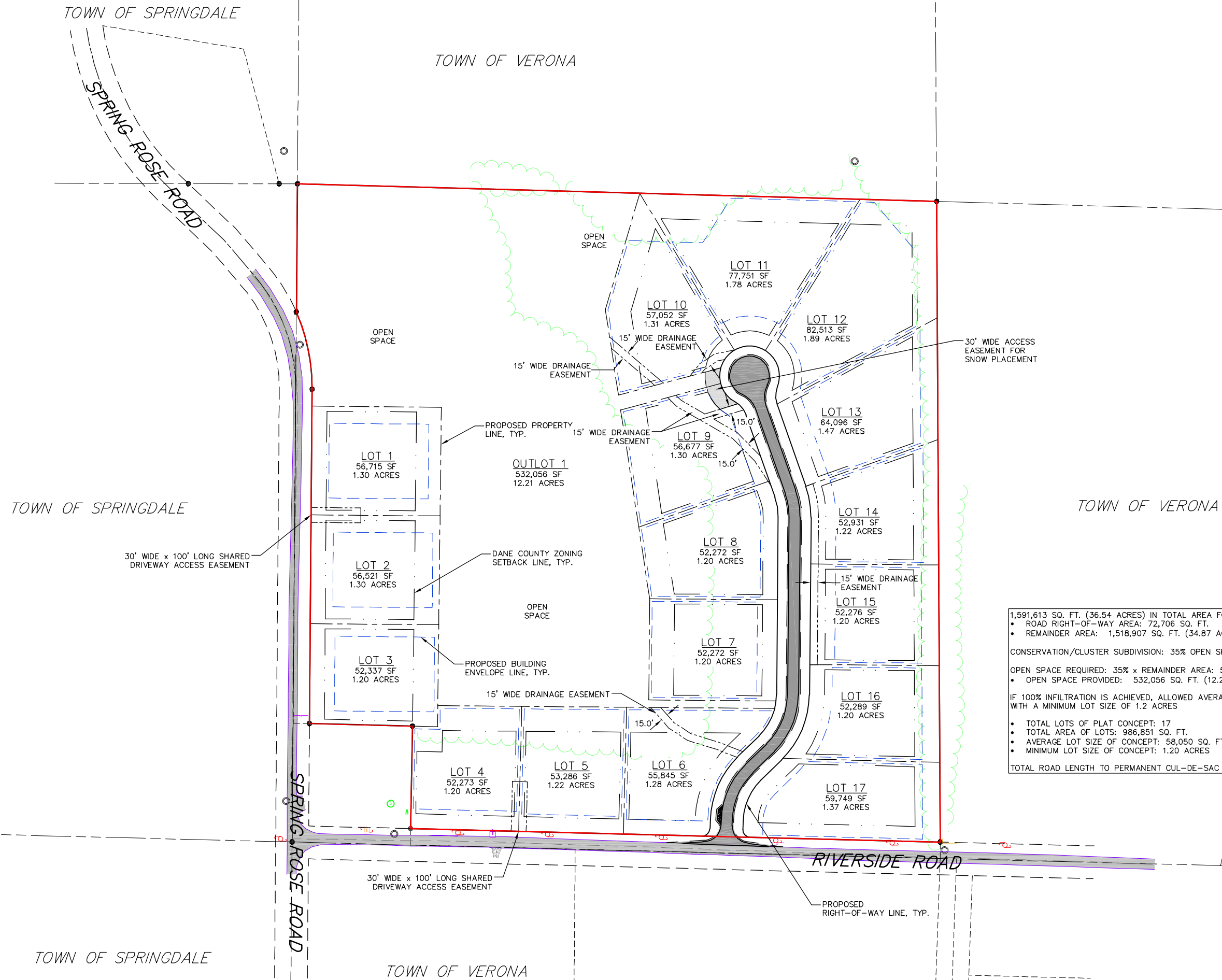
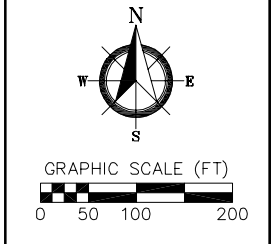
Existing Conditions Plan

Riverside Vista  
Town of Verona  
Dane County, Wisconsin

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1,591,613 SQ. FT. (36.54 ACRES) IN TOTAL AREA FOR PLAT

- ROAD RIGHT-OF-WAY AREA: 72,706 SQ. FT.
- REMAINDER AREA: 1,518,907 SQ. FT. (34.87 ACRES)

CONSERVATION/CLUSTER SUBDIVISION: 35% OPEN SPACE

OPEN SPACE REQUIRED: 35% x REMAINDER AREA: 531,618 SQ. FT. (12.20 ACRES)

- OPEN SPACE PROVIDED: 532,056 SQ. FT. (12.21 ACRES) OR 35.03%

IF 100% INFILTRATION IS ACHIEVED, ALLOWED AVERAGE LOT SIZE OF 1.3 ACRES WITH A MINIMUM LOT SIZE OF 1.2 ACRES

- TOTAL LOTS OF PLAT CONCEPT: 17
- TOTAL AREA OF LOTS: 986,851 SQ. FT.
- AVERAGE LOT SIZE OF CONCEPT: 58,050 SQ. FT. (1.33 ACRES)
- MINIMUM LOT SIZE OF CONCEPT: 1.20 ACRES

TOTAL ROAD LENGTH TO PERMANENT CUL-DE-SAC BULB: 984 FT

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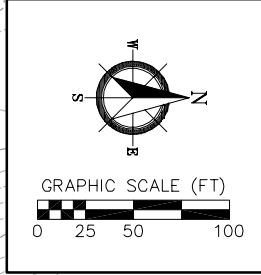
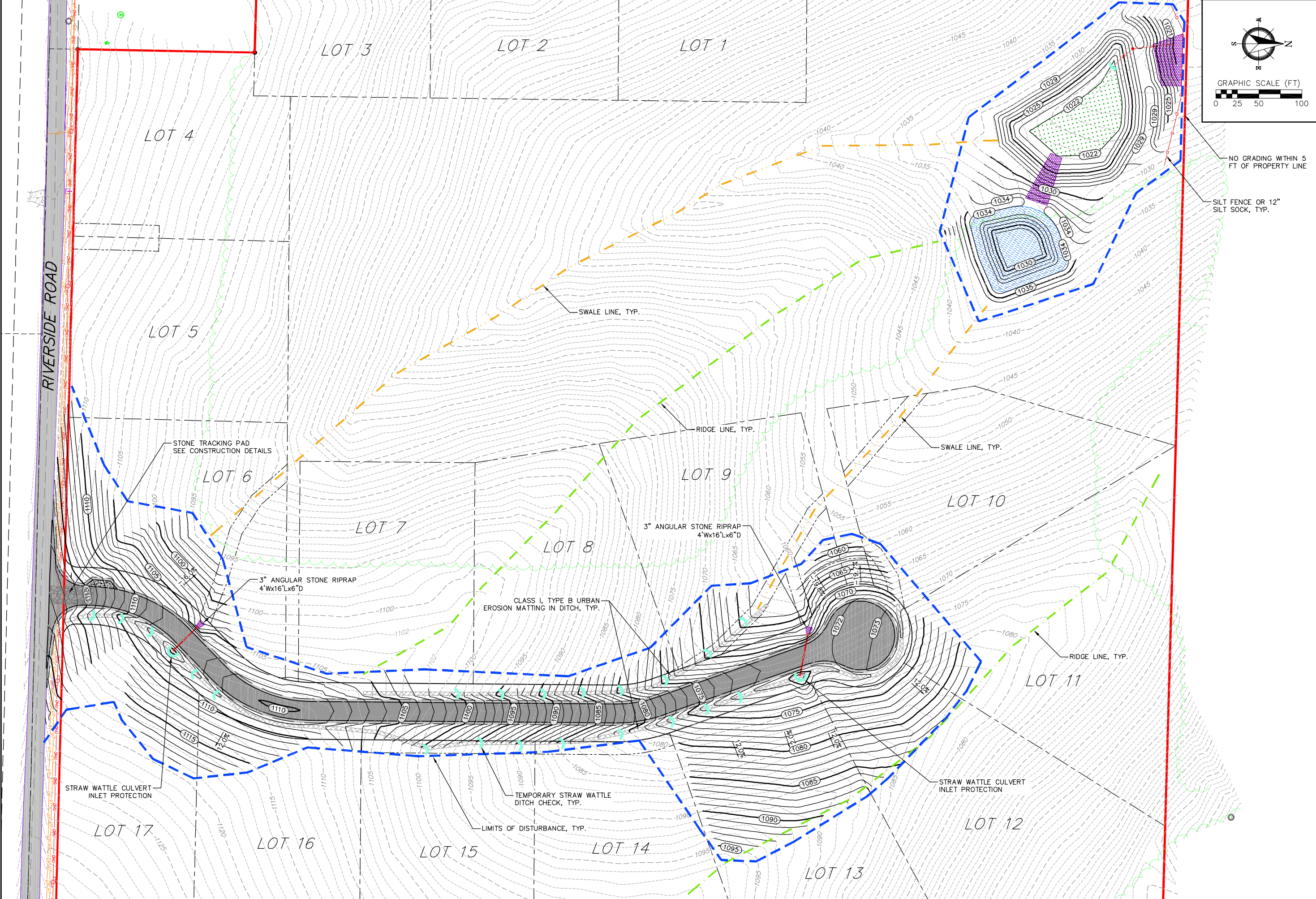
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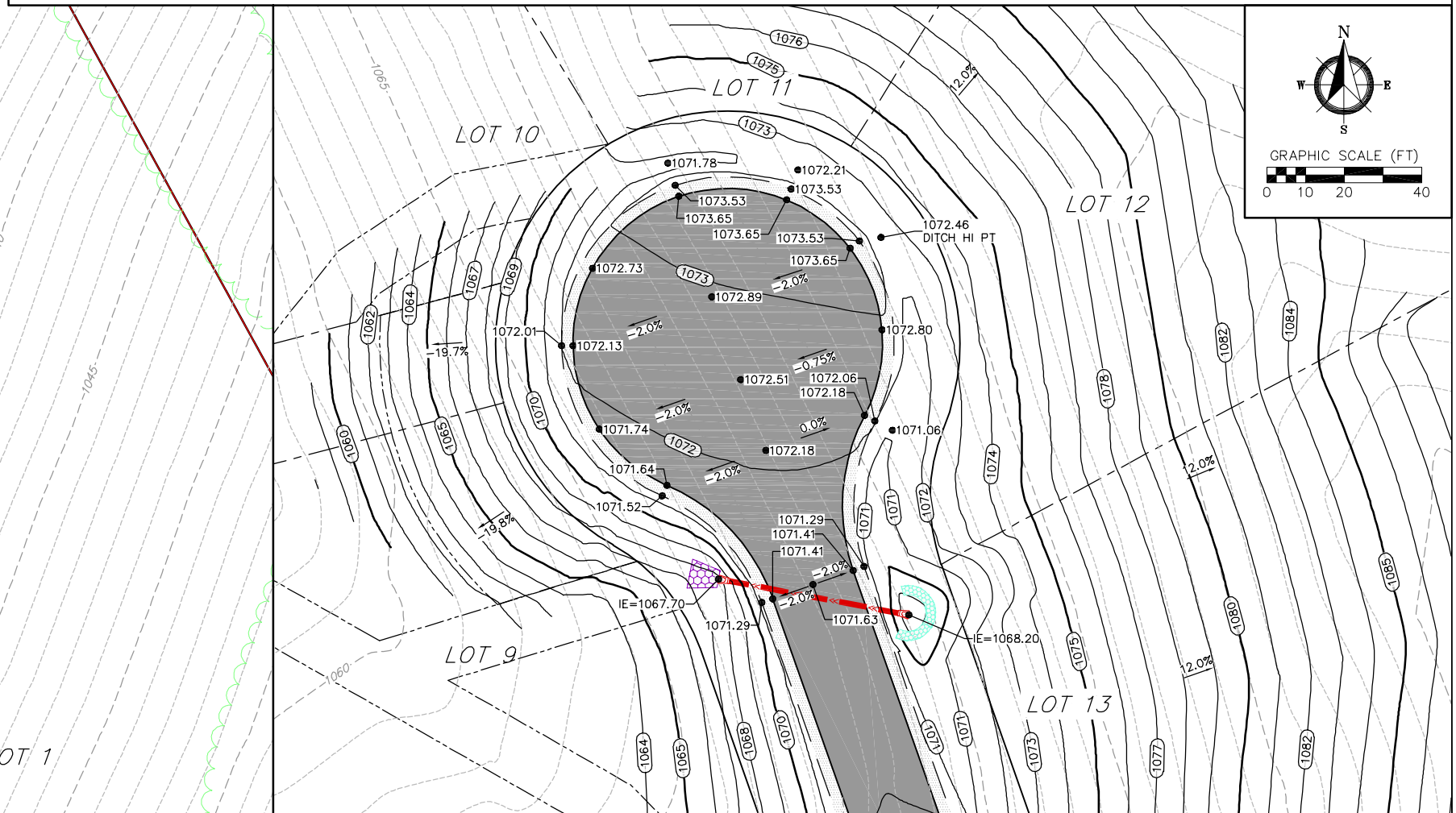
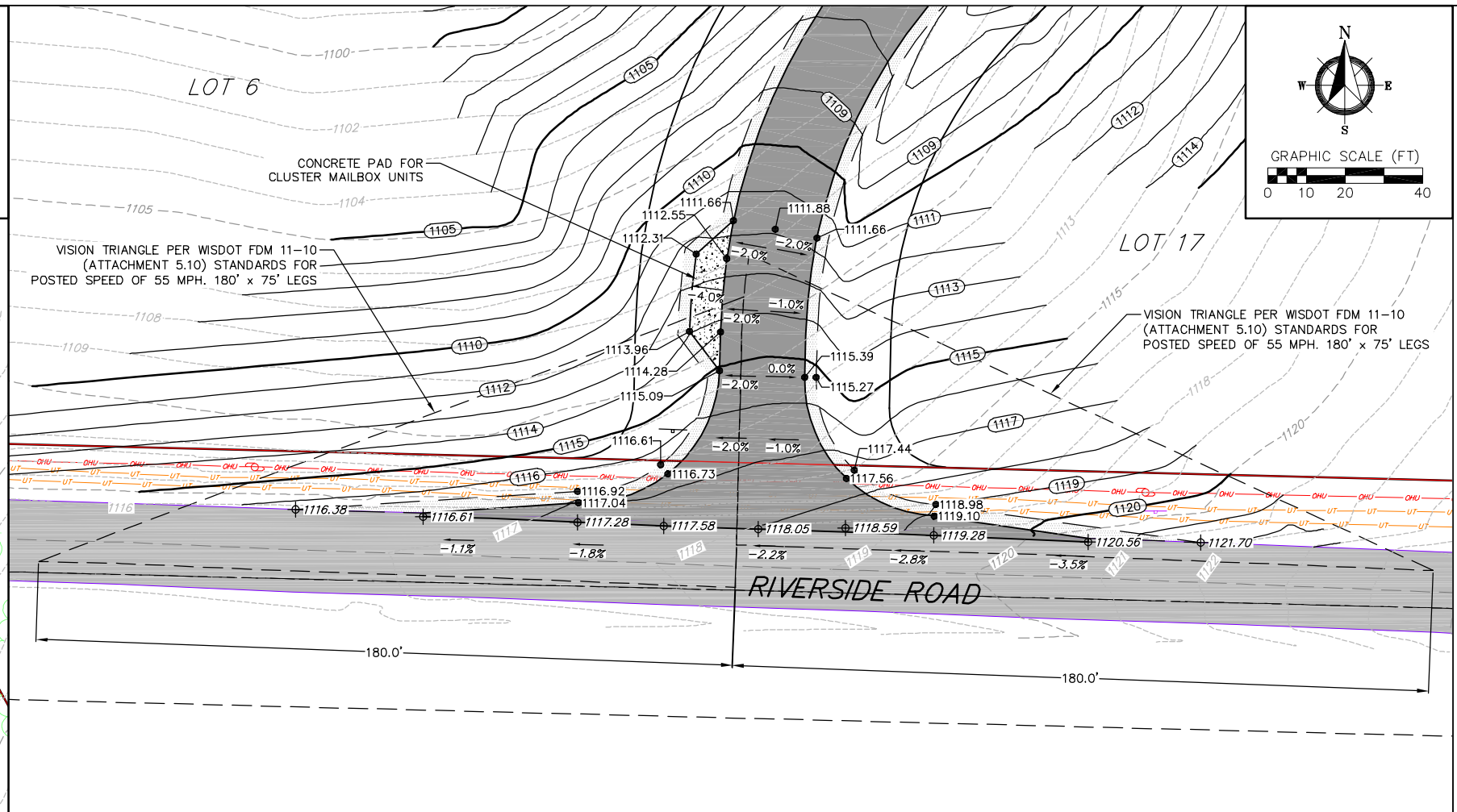
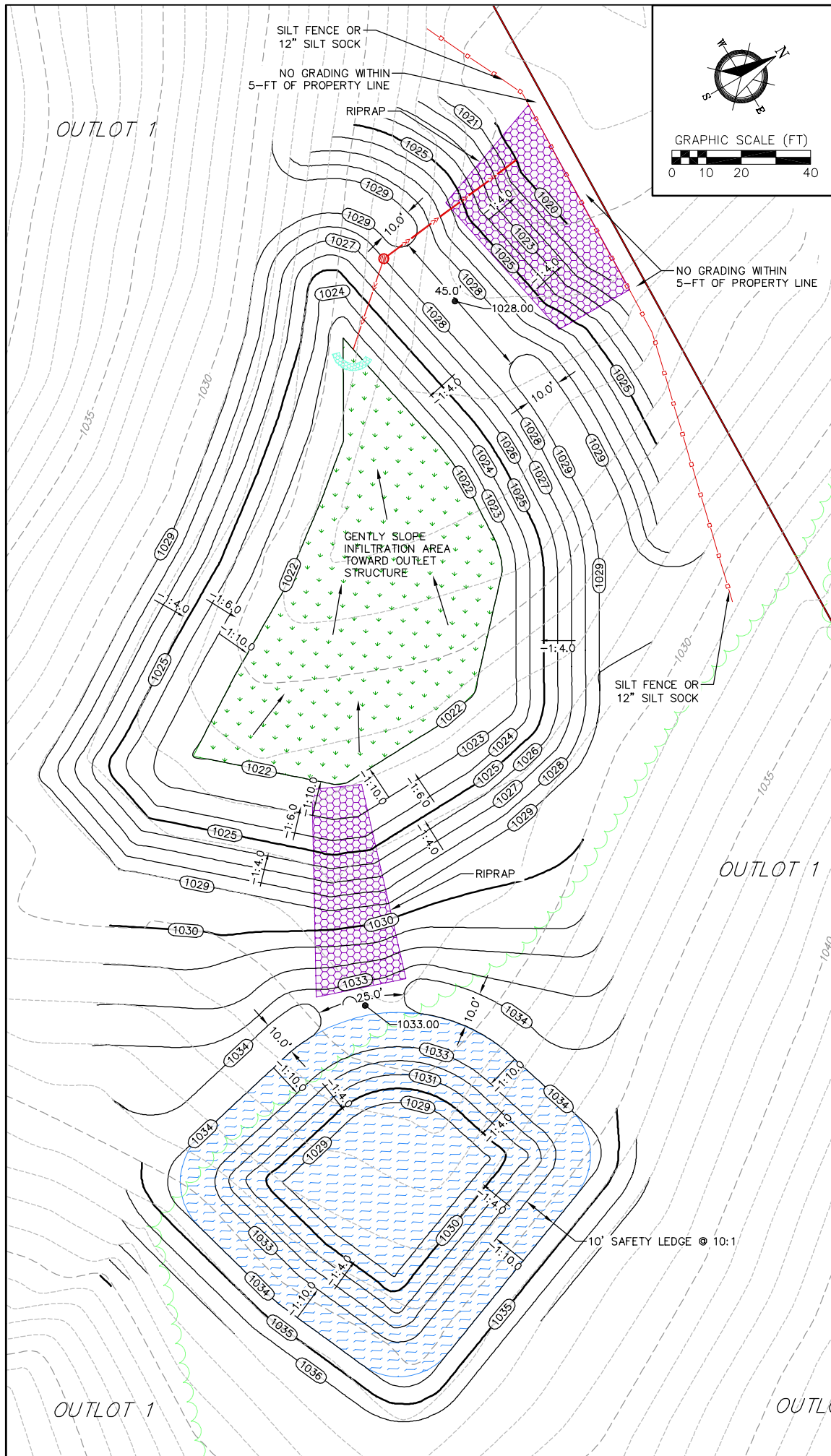


**Overall Grading and Erosion Control Plan**  
 Riverside Vista  
 Town of Verona  
 Dane County, Wisconsin

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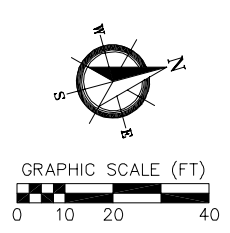
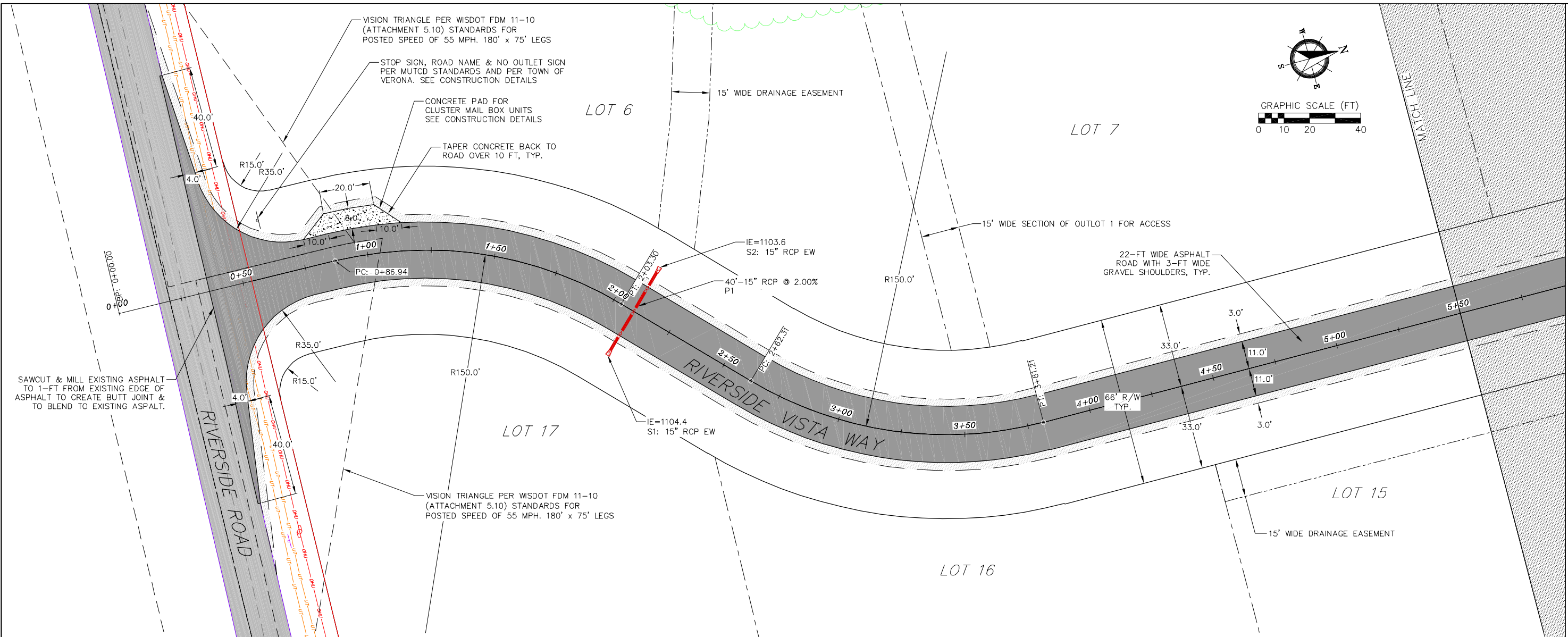
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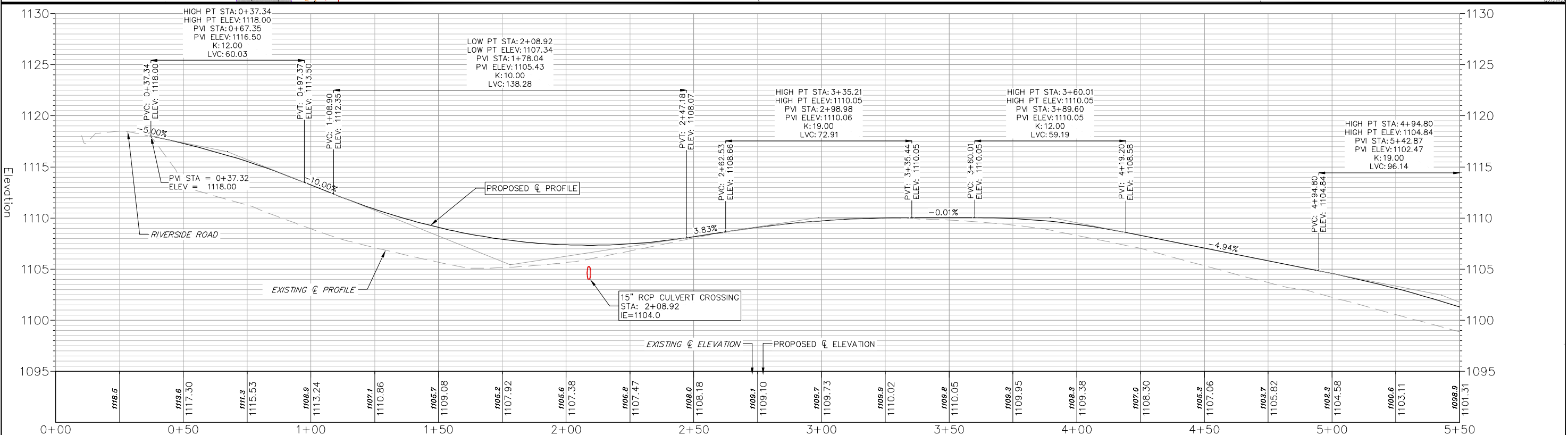


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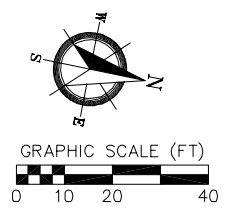
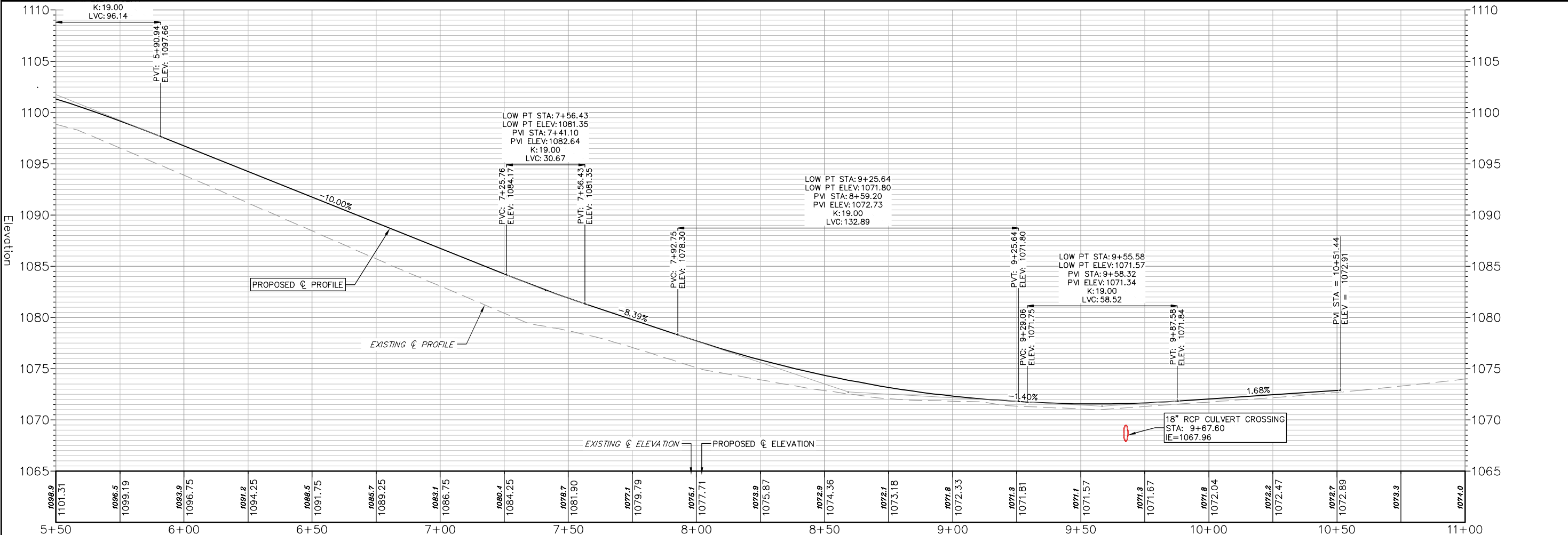
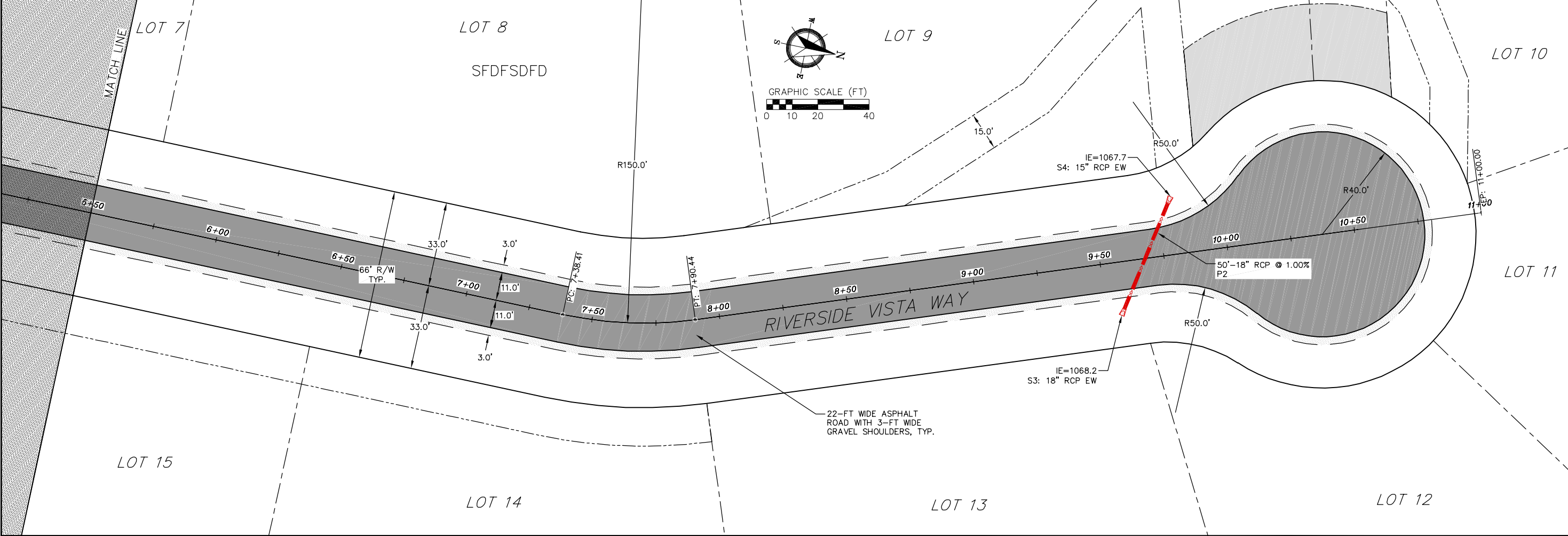
**Riverside Vista Way Plan and Profile**  
 Riverside Vista  
 Town of Verona  
 Dane County, Wisconsin



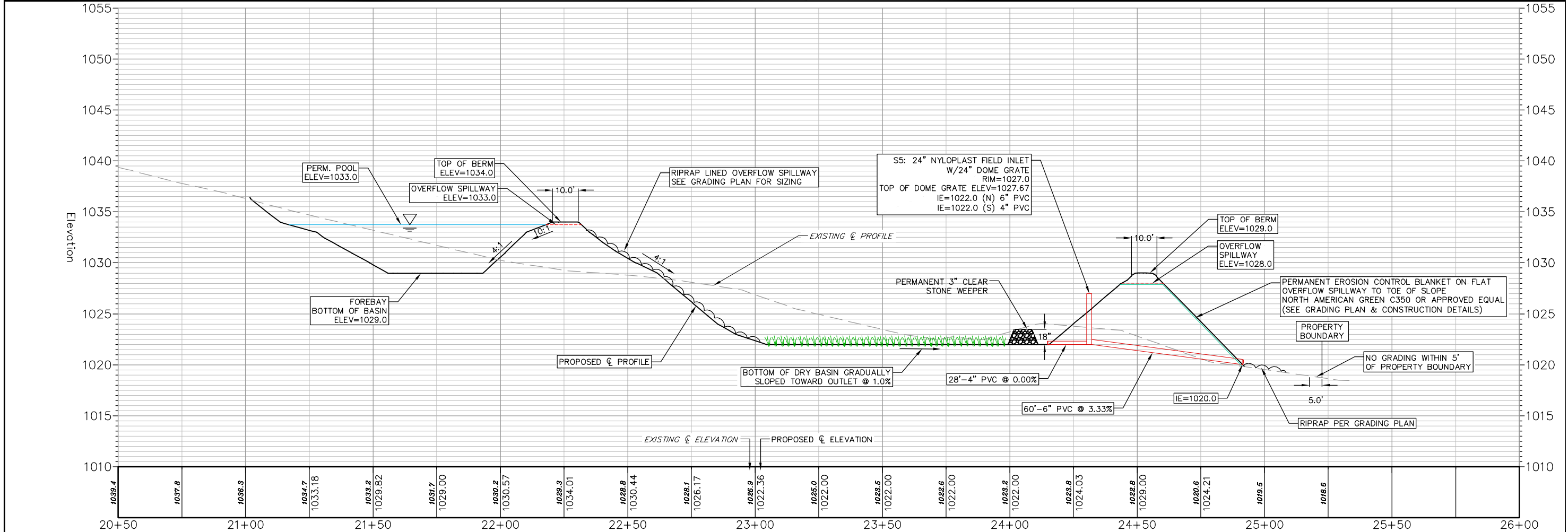
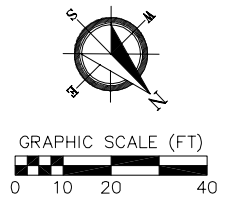
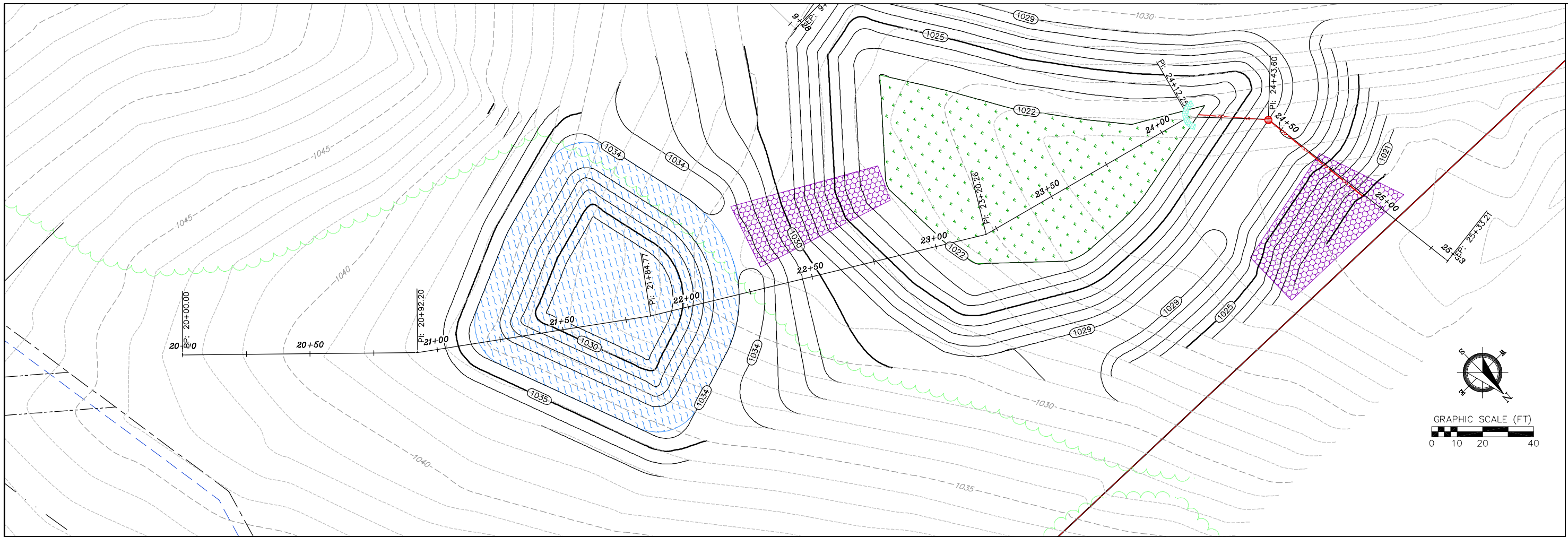
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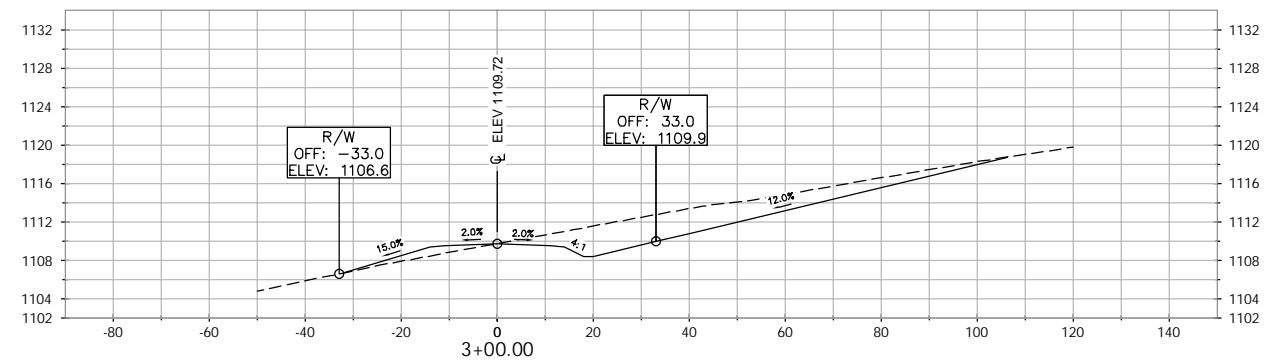
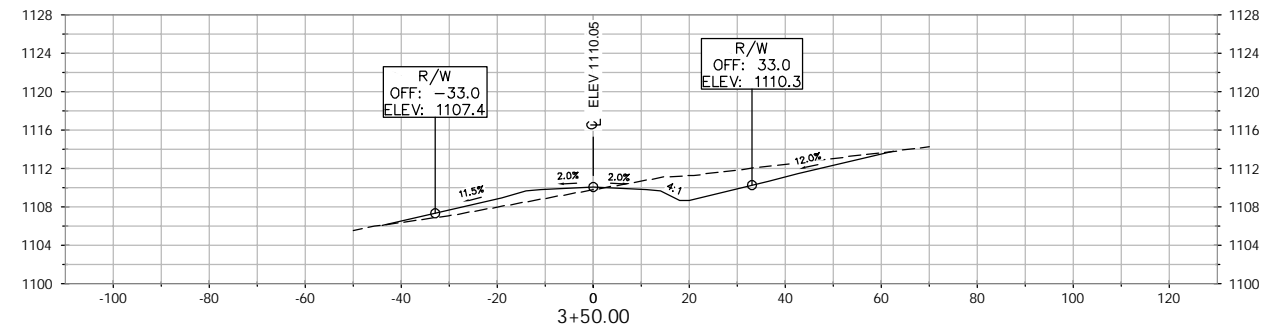
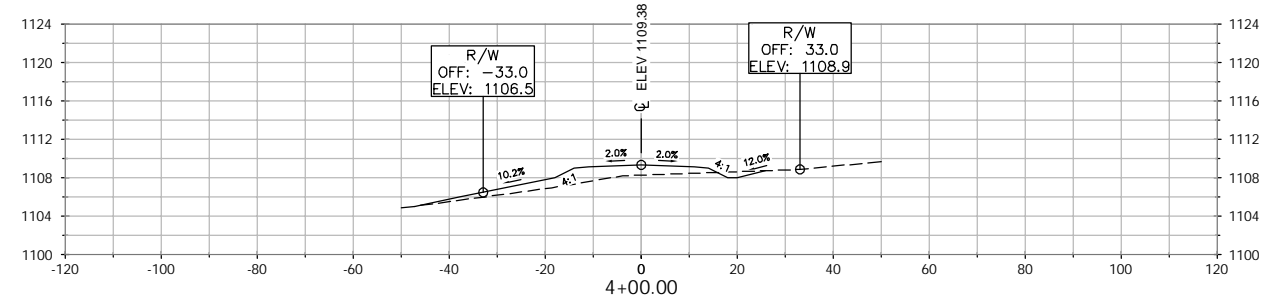
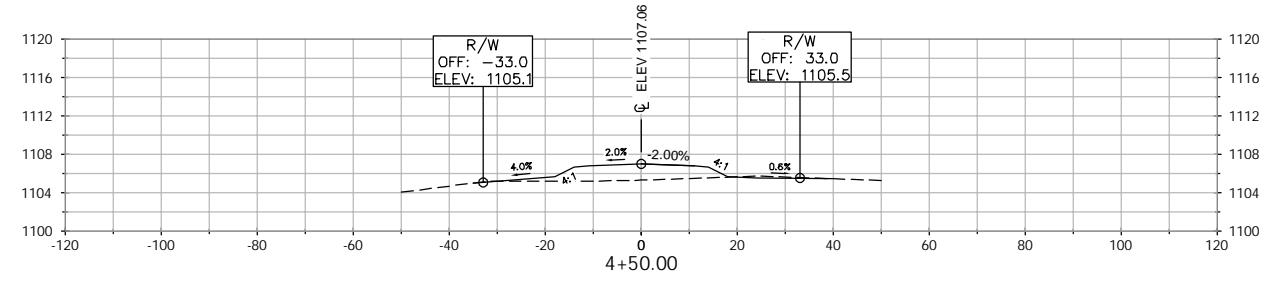
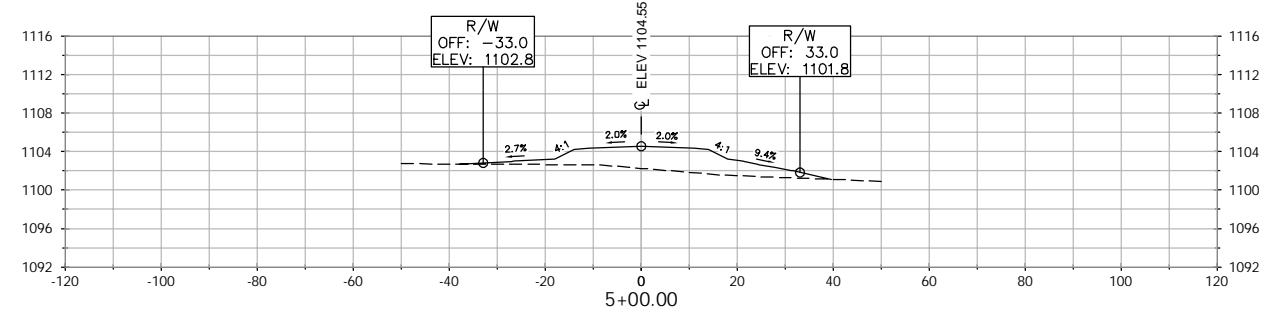
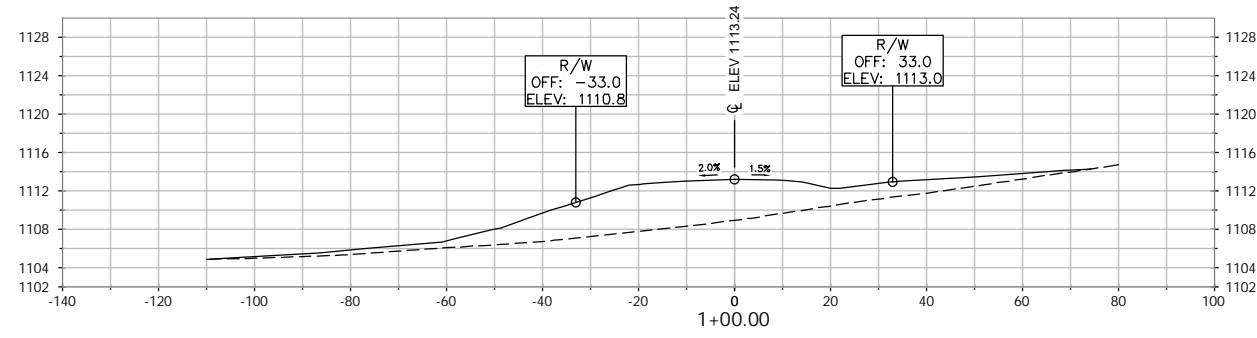
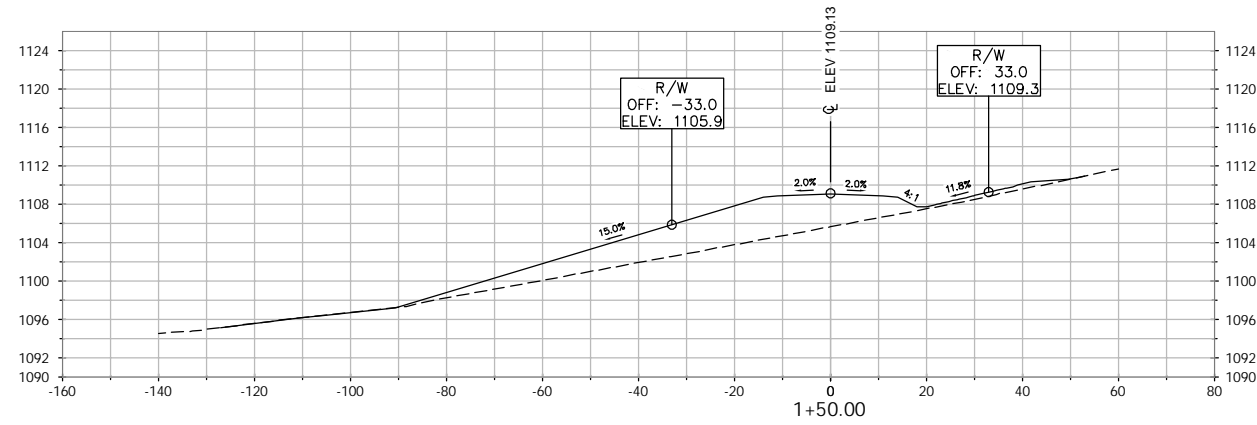
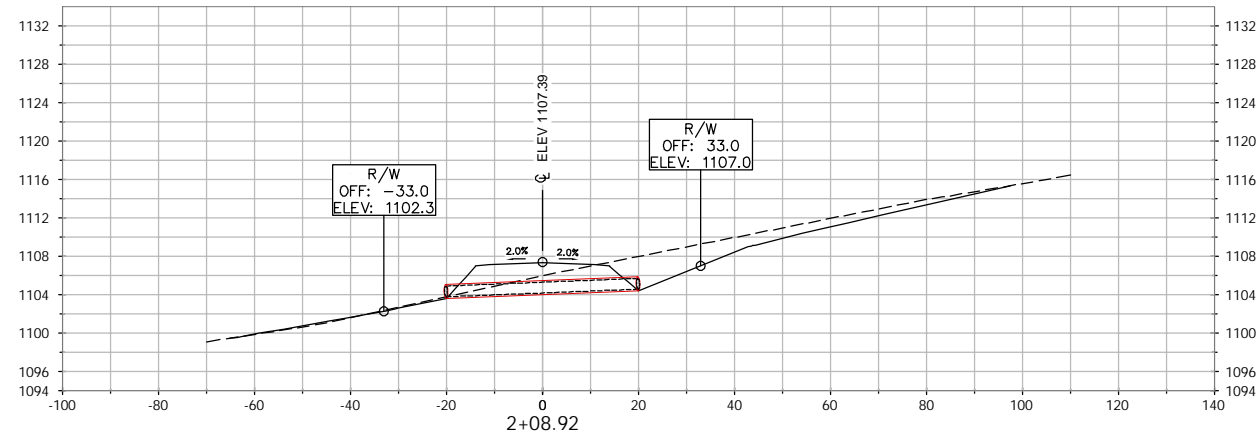
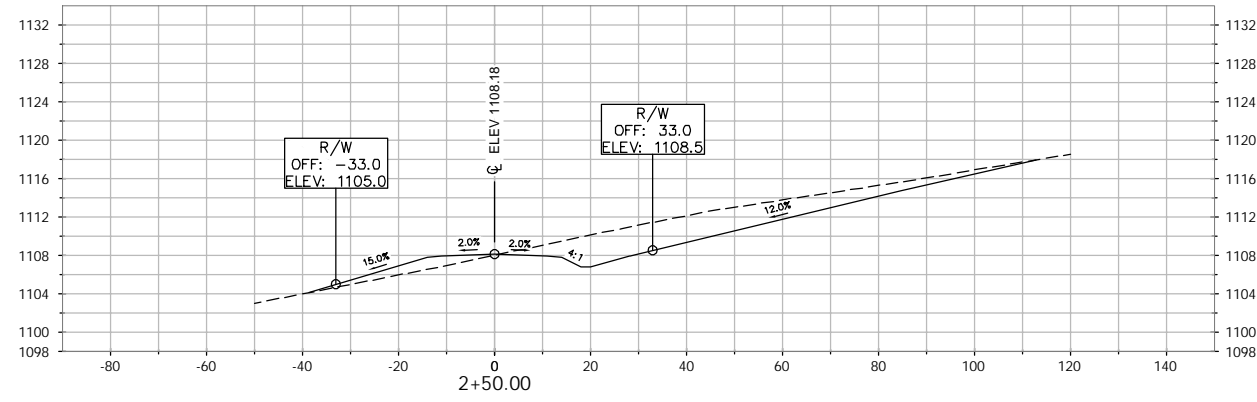


**Stormwater Basin Plan and Profile**  
 Riverside Vista  
 Town of Verona  
 Dane County, Wisconsin

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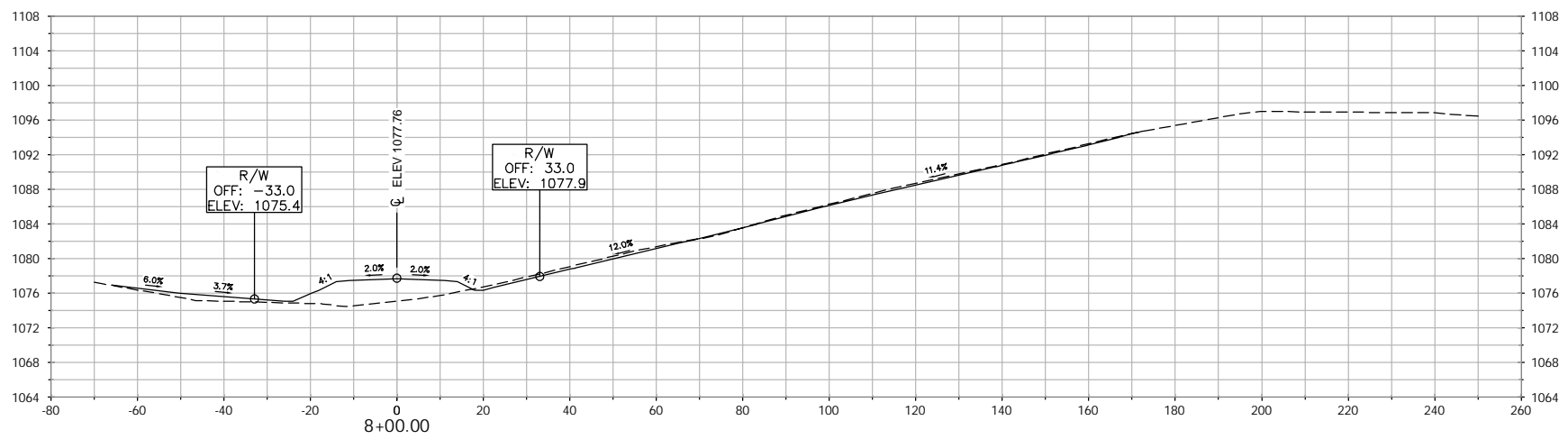
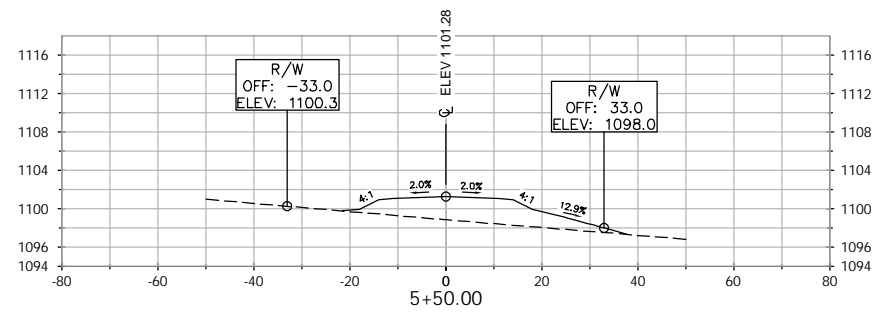
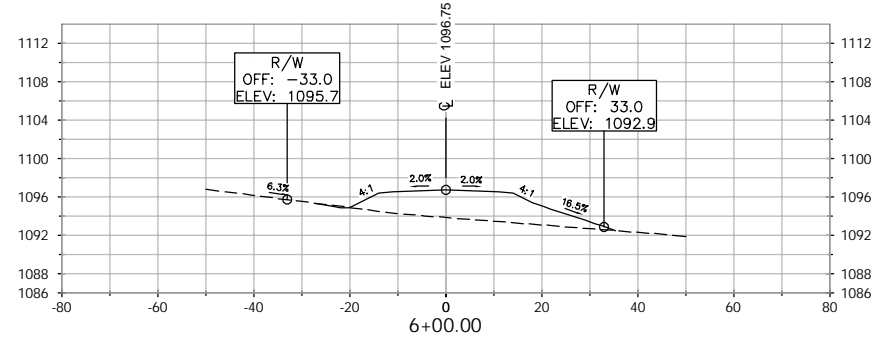
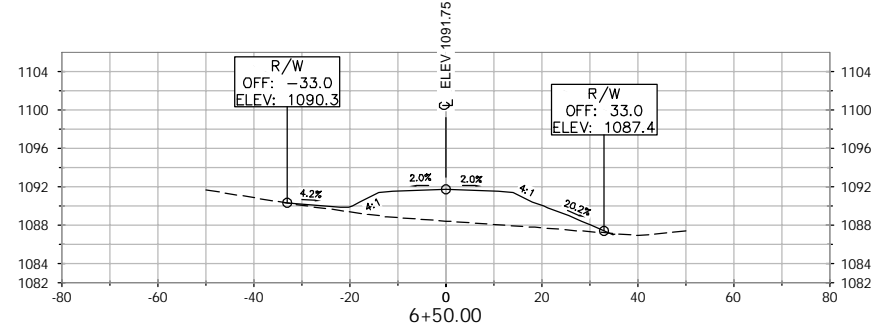
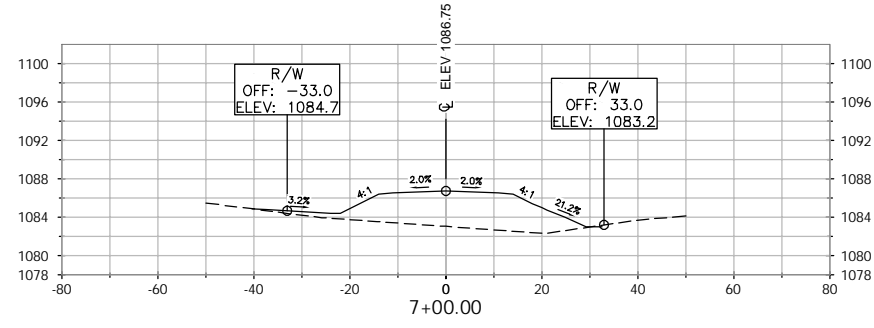
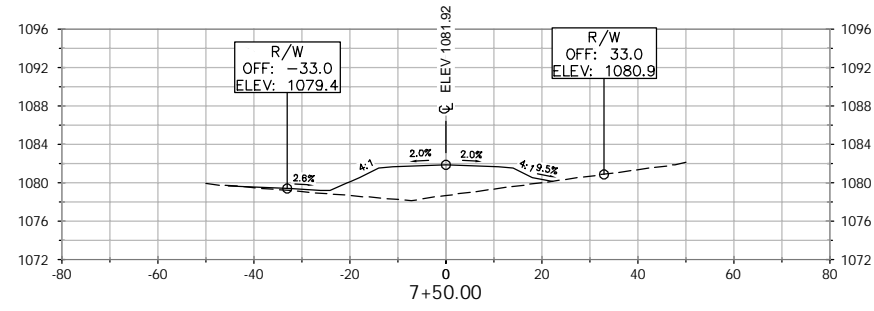




1" = 20' HORIZ. (24"x36")  
1" = 10' VERT. (24"x36")  
1" = 40' HORIZ. (11"x17")  
1" = 20' VERT. (11"x17")

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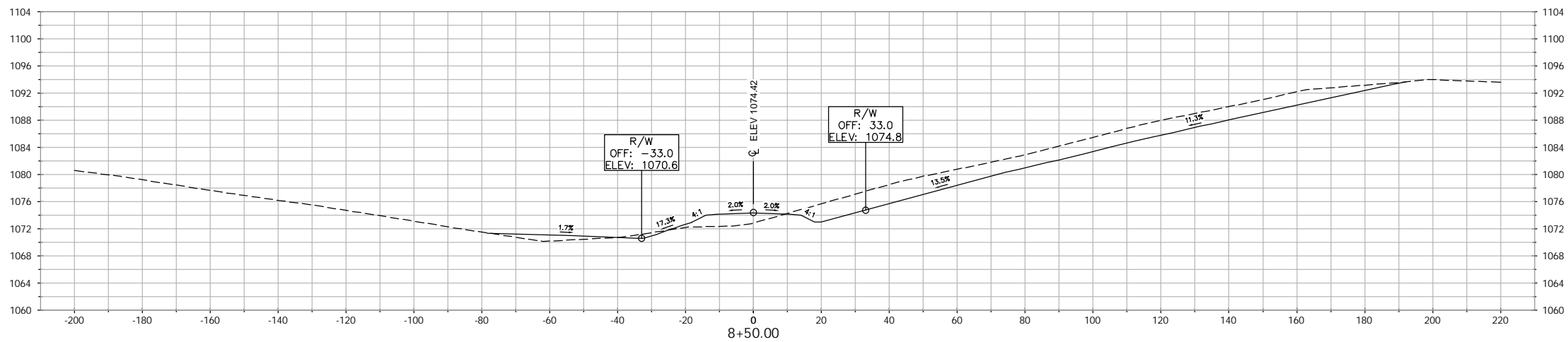
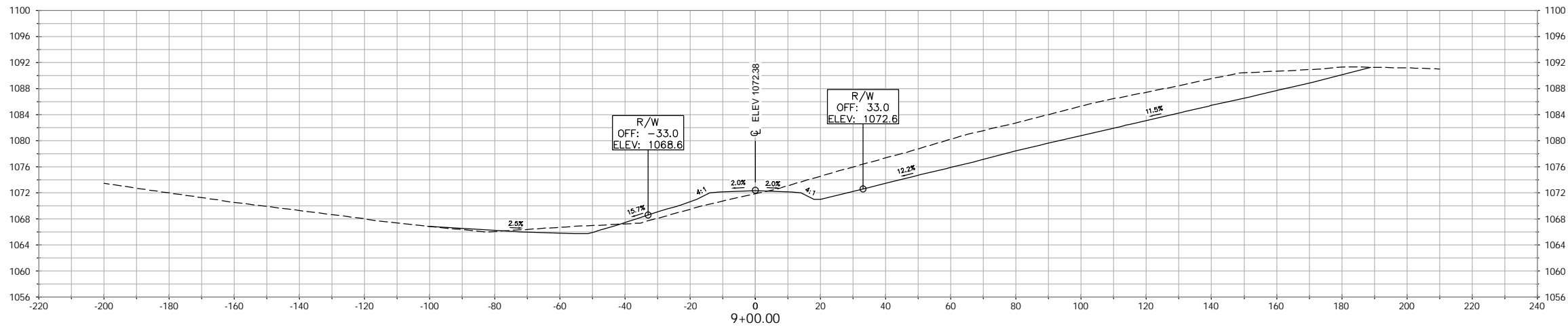
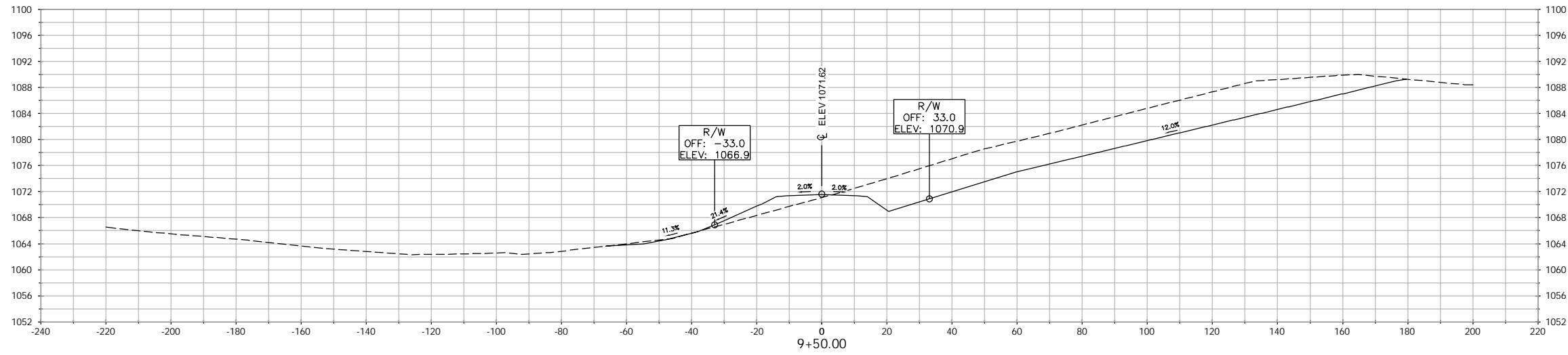
Cross Sections - Riverside Vista Way  
Riverside Vista  
Town of Verona  
Dane County, Wisconsin

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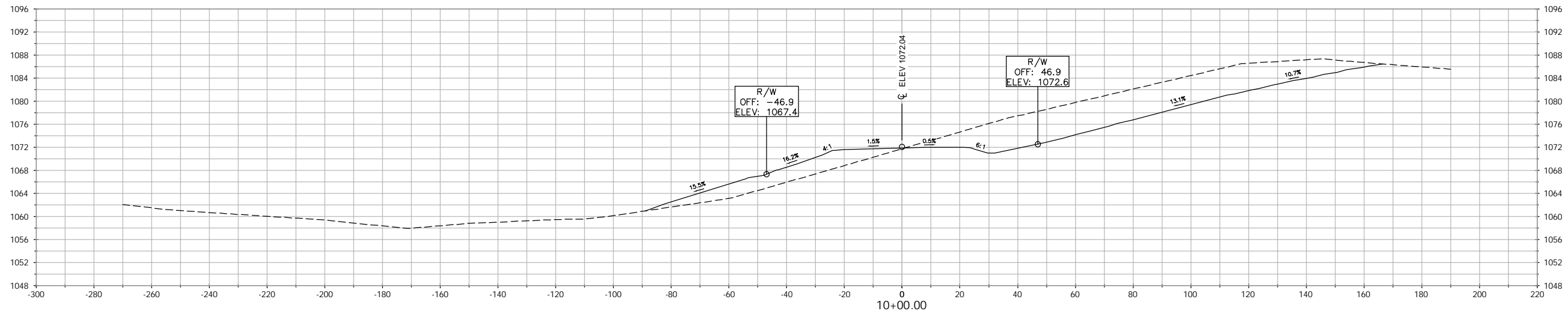
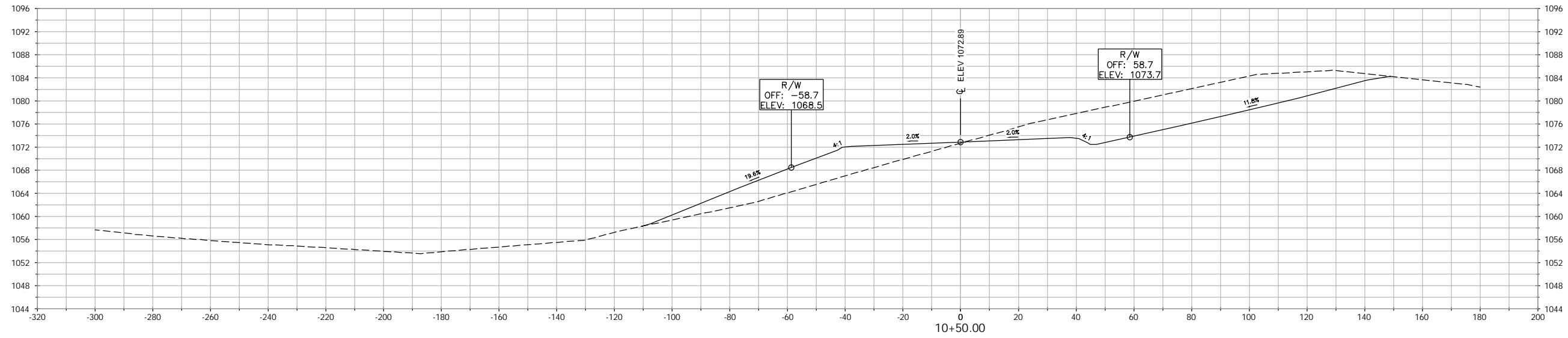
Cross Sections - Riverside Vista Way  
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Town of Verona  
Dane County, Wisconsin



1" = 20' HORIZ. (24"x36")  
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1" = 40' HORIZ. (11"x17")  
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1" = 20' HORIZ. (24"x36")  
 1" = 10' VERT. (24"x36")

1" = 40' HORIZ. (11"x17")  
 1" = 20' VERT. (11"x17")

**Cross Sections - Riverside Vista Way**  
 Riverside Vista  
 Town of Verona  
 Dane County, Wisconsin

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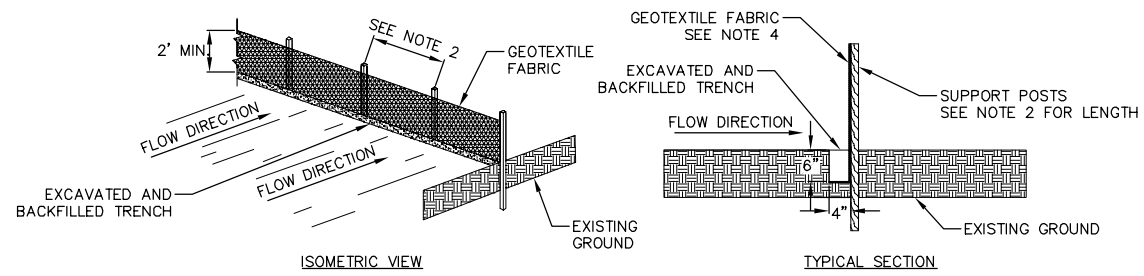
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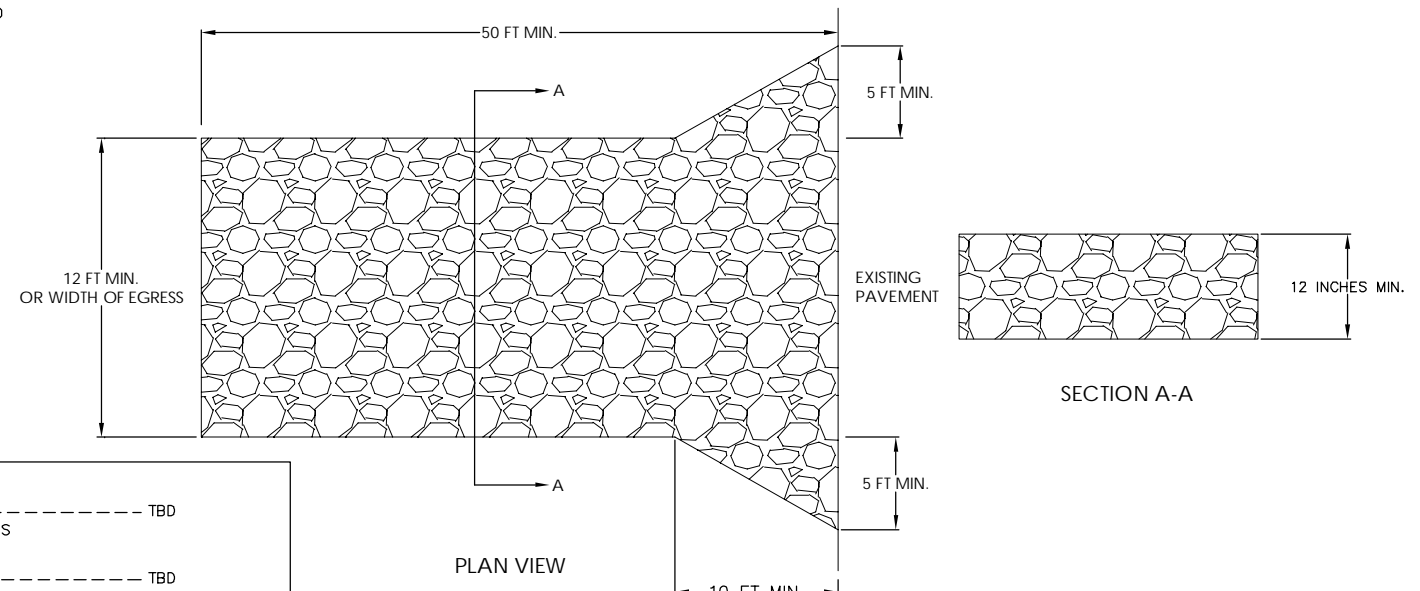
# EROSION CONTROL MEASURES

1. EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE TOWN OF VERONA EROSION CONTROL ORDINANCE, CHAPTER 11 AND 14 OF THE DANE COUNTY ORDINANCES AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE.
2. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (<http://dnr.wi.gov/runoff/stormwater/techstds.htm>) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
3. INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, SEDIMENT BASINS, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR AND/OR THE TOWN OF VERONA. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
5. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
6. A 3" CLEAR STONE TRACKING PAD SHALL BE INSTALLED AT THE END OF ROAD CONSTRUCTION LIMITS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO WISCONSIN DNR TECHNICAL STANDARD 1057. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORK DAY.
7. CHANNELIZED RUNOFF: FROM ADJACENT AREAS PASSING THROUGH THE SITE SHALL BE DIVERTED AROUND DISTURBED AREAS IF POSSIBLE.
8. STABILIZED DISTURBED GROUND: ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7-CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25-FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF MORE THAN 14-CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED.
9. 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.
10. SITE DE-WATERING: WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROL MEASURES. SEDIMENTATION BASINS SHALL HAVE A DEPTH OF AT LEAST 3 FEET, BE SURROUNDED BY SNOWFENCE OR EQUIVALENT BARRIER AND HAVE SUFFICIENT SURFACE AREA TO PROVIDE A SURFACE SETTLING RATE OF NO MORE THAN 750 GALLONS PER SQUARE FOOT PER DAY AT THE HIGHEST DEWATERING PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, A NEIGHBORING SITE, OR THE BED OR BANKS OF THE RECEIVING WATER. POLYMERS MAY BE USED AS DIRECTED BY DNR TECHNICAL STANDARD 1061 (DE-WATERING).
11. SEE DETAIL SHEETS AND GRADING AND EROSION CONTROL PLAN FOR RIP-RAP SIZING. IN NO CASE WILL RIP-RAP BE SMALLER THAN 3" TO 6".
12. USE DETENTION BASINS AS SEDIMENT BASINS DURING CONSTRUCTION (DO NOT USE INFILTRATION AREAS). AT THE END OF CONSTRUCTION, REMOVE SEDIMENT AND RESTORE PER PLAN.
13. RESTORATION (SEED, FERTILIZE AND MULCH/MATting) SHALL BE PER SPECIFICATIONS ON THIS SHEET UNLESS SPECIAL RESTORATION IS CALLED FOR ON THE DETENTION BASIN DETAIL SHEET.
14. AFTER DETENTION BASIN GRADING IS COMPLETE, THE BOTTOM OF DRY BASINS SHALL RECEIVE 6" TOPSOIL AND SHALL BE CHISEL-PLOWED TO A MINIMUM DEPTH OF 12" PRIOR TO RESTORATION.
15. SEED, FERTILIZER AND MULCH/MATting SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.
16. FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
17. SEDIMENT SHALL BE CLEANED FROM DITCHES IF ACCUMULATED AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE.
18. ACCUMULATED CONSTRUCTION SEDIMENT SHALL BE REMOVED FROM ALL PERMANENT BASINS TO THE ELEVATION SHOWN ON THE GRADING PLAN FOLLOWING THE STABILIZATION OF DRAINAGE AREAS.
19. 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.
20. ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY DANE COUNTY WATER RESOURCES ENGINEERING OR PERMITTING MUNICIPALITY.
21. THE TOWN OF VERONA, DANE COUNTY, OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.
22. NO GRADING SHALL BE ALLOWED WITHIN 5 FEET OF A PROPERTY LINE UNLESS AUTHORIZED BY PERMITTING AUTHORITY.



- NOTES:**
1. THE GEOTEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATED TRENCH, BACKFILLED AND COMPACTED TO THE EXISTING GROUND SURFACE.
  2. 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.
  3. WOOD POSTS SHALL BE A MINIMUM OF 1-1/8" x 1-1/8" OAK OR HICKORY AND 4 FEET LONG.
  4. WOOD POST SPACING SHALL BE A MAXIMUM OF 3' FOR NON-WOVEN GEOTEXTILE FABRIC IS USED AND A MAXIMUM OF 8' IF WOVEN GEOTEXTILE FABRIC IS USED.
  5. THE GEOTEXTILE FABRIC SHALL BE ATTACHED DIRECTLY TO THE UPSLOPE SIDE OF WOODEN POSTS WITH 0.5 INCH STAPLES IN AT LEAST 3 PLACES.
  6. 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:
    - 6.A. TWIST METHOD: OVERLAP THE END POSTS AND TWIST OR ROTATE AT LEAST 180 DEGREES.
    - 6.B. HOOK METHOD: HOOK THE END OF EACH SILT FENCE LENGTH.

## 1 SILT FENCE NOT TO SCALE



- NOTES:**
1. THE TRACKING PAD SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION TRAFFIC LEAVING THE SITE.
  2. STONE TRACKING PAD SHALL BE INSTALLED PER WISCONSIN DNR TECHNICAL STANDARD 1057.
  3. TRACKING PAD SHALL BE A MINIMUM LENGTH OF 50 FEET. TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT OR A MINIMUM OF 12 FEET IN WIDTH. TRACKING PAD SHALL BE A MINIMUM DEPTH OF 12 INCHES OF 3 INCH TO 6 INCH CLEAR OR WASHED STONE.
  4. TRACKING PAD SHALL BE FLARED PER PLAN
  5. ON SITES WITH A HIGH WATER TABLE, OR WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PRACTICE, STONE TRACKING PADS SHALL BE UNDERLAIN WITH A WISCONSIN DOT TYPE R GEOTEXTILE FABRIC TO PREVENT MIGRATION OF UNDERLYING SOIL INTO THE STONE.
  6. SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY FROM TRACKING PADS OR CONVEYED UNDER AND AROUND THEM BY USING A VARIETY OF PRACTICES, SUCH AS CULVERTS, WATER BARS OR OTHER SIMILAR PRACTICES.

## 2 TRACKING PAD NOT TO SCALE

**CONSTRUCTION SEQUENCE:**

1. INSTALL SILT FENCE AND TRACKING PAD
2. CLEAR AND GRUB AREA FOR STORMWATER BASINS
3. STRIP TOPSOIL - STORMWATER AREA
4. ROUGH GRADE - STORMWATER AREA
5. STRIP TOPSOIL-ROADS, DITCHES & OTHER DISTURBED AREAS
6. ROUGH GRADE-ROADS, DITCHES & OTHER DISTURBED AREAS
7. CONSTRUCT ROAD CULVERTS
8. CONSTRUCT UNDERGROUND UTILITIES
9. PLACE AGGREGATE ON ROADS & COMPACT
10. FINAL GRADING
11. RESPREAD TOPSOIL
12. DEEP TILL-DISTURBED AREAS\*
13. SEED, FERTILIZE, MULCH/MATting PER PLAN
14. TOUCH UP ROAD AGGREGATE & COMPACT PRIOR TO ASPHALT CONSTRUCTION
15. ASPHALT CONSTRUCTION
16. FINAL SHOULDERING AND RESTORATION
17. EROSION CONTROL FEATURES AFTER DISTURBED AREAS ARE STABILIZED/VEGETATED

\*SEE DETAIL 6/SHEET 16 FOR DEEP TILLING DETAIL & NOTES

**CONSTRUCTION SCHEDULE:**

1. INSTALL EROSION CONTROL MEASURES & START GRADING FOR SITE INCLUDING ROADS AND STORMWATER	TBD
2. TBD	TBD
3. TBD	TBD
4. TBD	TBD
5. TBD	TBD

**SEEDING RATES:**

TEMPORARY:

1. USE ANNUAL OATS AT 3.0 LB./1,000 S.F. FOR SPRING AND SUMMER PLANTINGS.
2. USE WINTER WHEAT OR RYE AT 3.0 LB./1,000 SF FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 15.
3. SEE DRY DETENTION BASIN DETAIL FOR SEEDING OF DRY DETENTION BASINS.

PERMANENT:

1. USE WISCONSIN D.O.T. SEED MIX #40 AT 2 LB./1,000 S.F.

**FERTILIZING RATES:**

TEMPORARY AND PERMANENT:


USE WISCONSIN D.O.T. TYPE A OR B AT 7 LB./1,000 S.F.

**MULCHING RATES:**

TEMPORARY AND PERMANENT:

USE 1/2" TO 1-1/2" STRAW OR HAY MULCH, CRIMPED PER SECTION 607.3.2.3, OR OTHER RATE AND METHOD PER SECTION 627, WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION

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**Construction Details**  
Riverside Vista  
Town of Verona  
Dane County, Wisconsin

Revisions		Revisions	
No.	Description	No.	Description

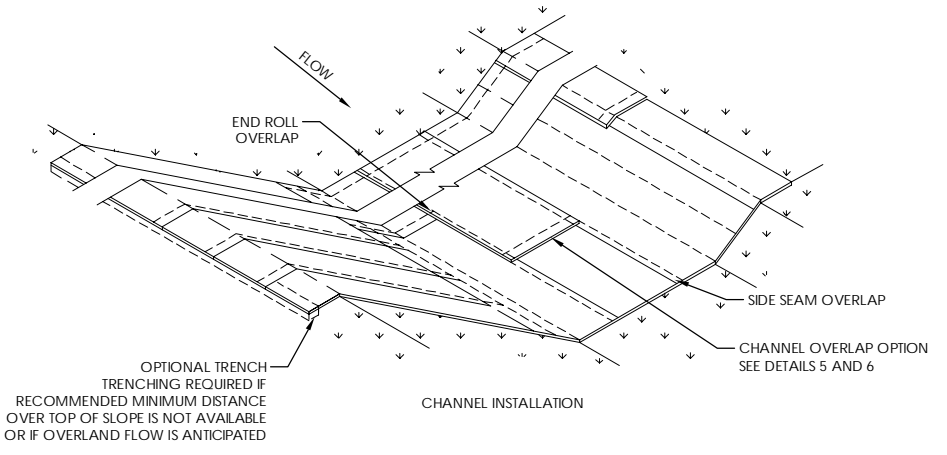
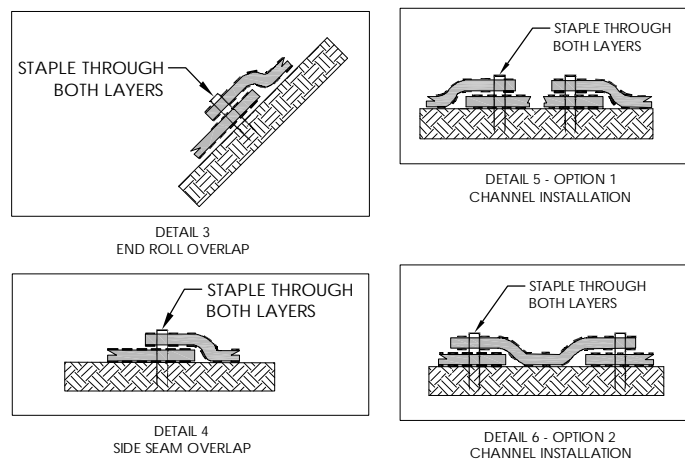
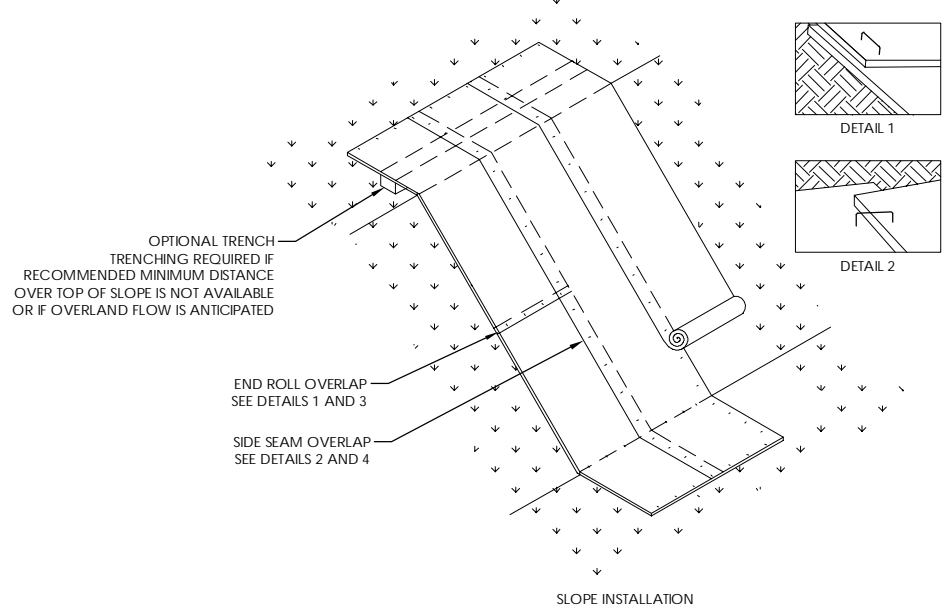
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Project No: **230019**

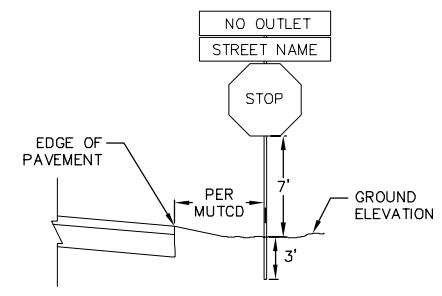
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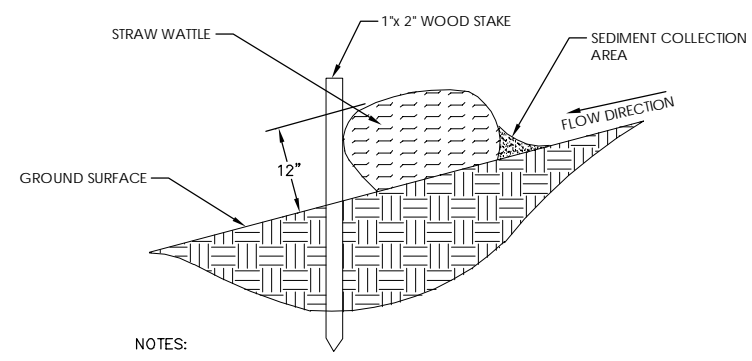
- NOTES:**
1. STAPLE PATTERNS ARE DEPENDENT UPON SLOPE CONDITIONS AND MANUFACTURER'S RECOMMENDATIONS.
  2. STAPLES OF 11 GAUGE OR HEAVIER SHALL BE USED TO HOLD MATS AND NETS IN PLACE.
  3. STAPLES SHALL BE U-SHAPED WITH A 1-INCH TO 2-INCH CROWN.
  4. STAPLE LENGTHS ARE DETERMINED BASED ON SOIL CONDITION, BUT SHALL NOT BE LESS THAN 6 INCHES LONG. SEE WDNR TECHNICAL STANDARD 1052 FOR FURTHER LENGTH REQUIREMENTS.
  5. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR BOTH END AND EDGE OVERLAP LENGTH.
  6. CONSIDER THE USE OF BIODEGRADABLE STAPLES IN LOCATIONS WHERE WIRE STAPLES ARE DETERMINED TO BE A RISK.

**1 EROSION MAT**  
15 NOT TO SCALE

- SIGNAGE NOTES:**
1. ALL SIGNS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
  2. SIGNS SHALL BE A DISTANCE OF 7' FROM GROUND LEVEL TO THE BOTTOM OF THE SIGN MOUNTED ON THE POST.
  3. STREET NAME SIGNS SHALL HAVE WHITE LETTERS AND GREEN BACKGROUND.
  4. SIGN POSTS SHALL BE 2" GALVANIZED SQUARE TUBE AND 12 FT LONG. MOUNT SIGN AT TOP OF THE POST, AND INSTALL POSTS 3' DEEP AND MIX 1/2 BAG OF 80 LB SAKRETE CONCRETE, POURING IT AROUND THE POST BELOW THE GROUND BEFORE COVERING WITH 8" OF TOPSOIL.
  5. VERIFY AND CONFIRM ALL SIGNS WITH TOWN OF VERONA ENGINEER PRIOR TO PURCHASING AND/OR INSTALLING.

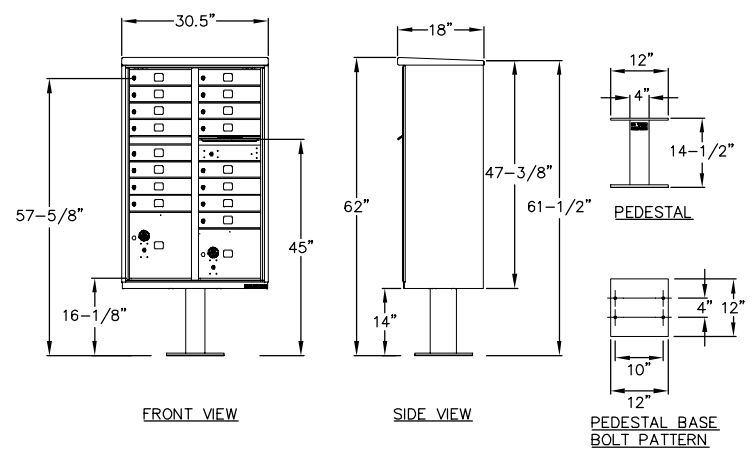
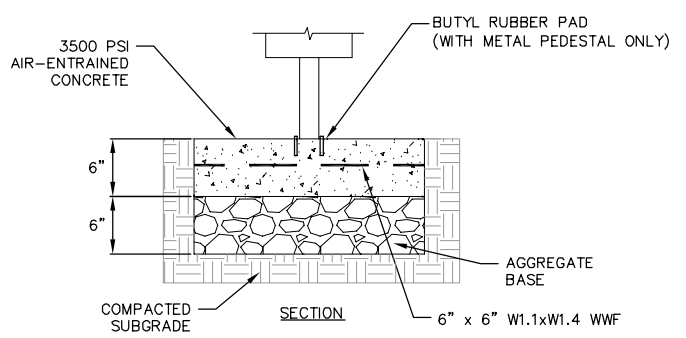
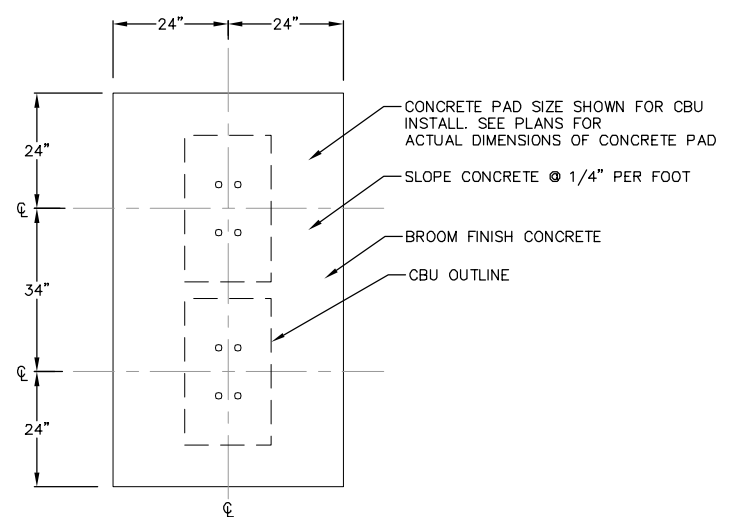


**2 ROAD SIGN DETAIL**  
15 NOT TO SCALE



- NOTES:**
- WATTLES SHALL BE PLACED AS SOON AS GRADING IS DONE SUCH THAT RUNOFF IS ABLE TO BE CONDUCTED OR CONVEYED WITHIN DITCH.
  - STAKE DOES NOT NEED TO PIERCE WATTLE, BUT MAY BE DRIVEN AT AN ANGLE TO SECURE WATTLE ALLOWING WATTLE TO BE MOVED AND POSSIBLY REUSED

**3 STRAW WATTLE DETAIL**  
15 NOT TO SCALE



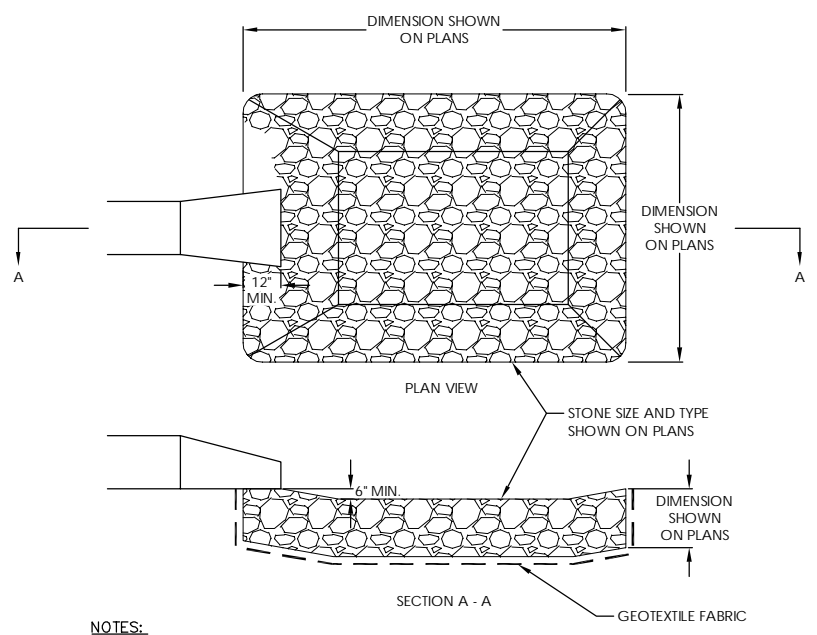
- NOTES:**
1. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI @28 DAYS, CONTAIN 4% MIN. - 6% MAX. AIR ENTRAINMENT AND BE PLACED WITH A 3.50 - 4.50 SLUMP IN ACCORDANCE WITH ACI 301
  2. WELDED WIRE FABRIC SHALL BE PER ASTM A185/A185M
  3. EXPANSION BOLTS SHALL BE EQUIVALENT TO THE FOLLOWING PROVIDERS:
    - 3.1. HILTI KWIK BOLT II (WWW.US.HILTI.COM) 1/2" DIAMETER x 5-1/2" OVERALL LENGTH. GALVANIZED, CATALOG # 00-453-696. KB II 12-512, STAINLESS STEEL; CATALOG # 000-454-744. ENSURE THAT THE MINIMUM EMBEDMENT IN CONCRETE IS AT LEAST 3-1/2".
    - 3.2. ITW RAMSET REDHEAD TRUBOLT GALVANIZED (WWW.RAMSET-REDHEAD.COM), 1/2" DIAMETER x 7" OVERALL LENGTH; CATALOG NUMBER: WS-1270G. ENSURE THAT THE MINIMUM EMBEDMENT IN CONCRETE IS AT LEAST 4-1/8".
    - 3.3. RAWL STUD GALVANIZED (WWW.RAWL.COM), 1/2" DIAMETER x 5-1/2" OVERALL LENGTH; CATALOG NUMBER: 7724. ENSURE THAT THE MINIMUM EMBEDMENT IN CONCRETE IS AT LEAST 4".
  4. A 3-CBU CONFIGURATION IS DEPICTED. A 2 OR 4-CBU CONFIGURATION MAY BE USED AS LONG AS THEY ARE ARRANGED IN GROUPS SUCH THAT THE OVERALL DIMENSION OF THE CONCRETE BASE DOES NOT EXCEED 16 FEET.

**4 CBU MAILBOX & CONCRETE PAD DETAIL**  
15 NOT TO SCALE

Revisions		Revisions	
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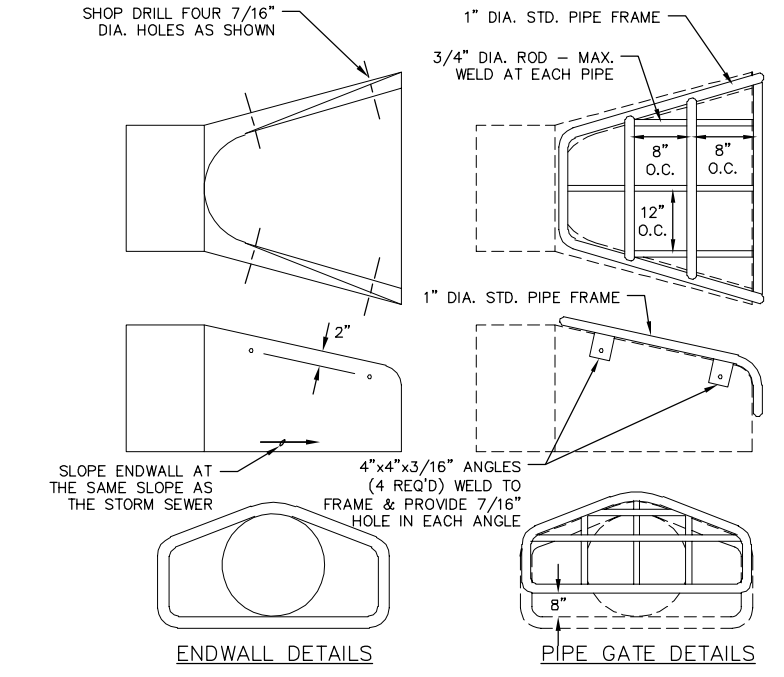
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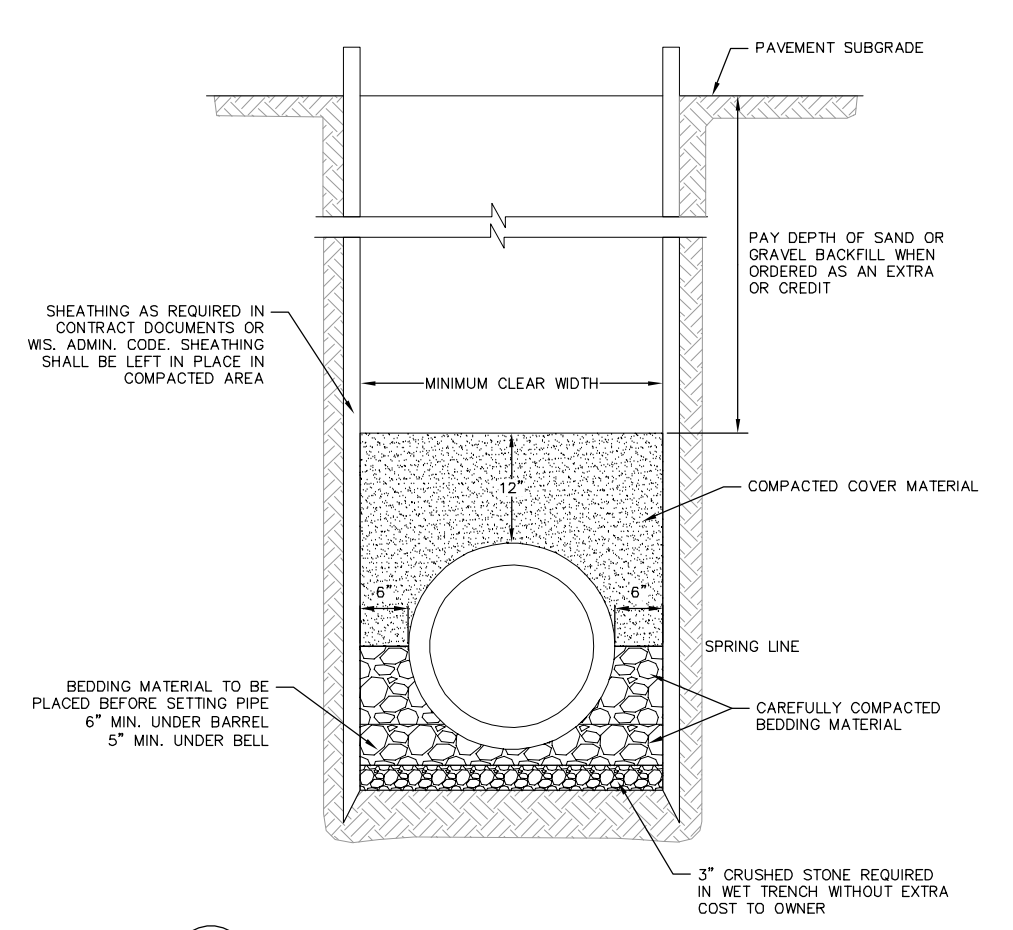
- NOTES:**
- RIPRAP DETAIL FOR DRY BASIN OUTLET PIPES AND EMERGENCY SPILLWAYS AND BIORETENTION BASIN OUTLET PIPE AND EMERGENCY SPILLWAY.
  - SEE GRADING AND EROSION CONTROL PLAN FOR DIMENSIONS, STONE SIZE AND DEPTH
  - GEOTEXTILE FABRIC SHALL BE MIRAFI 140 N OR APPROVED EQUAL

**1 RIPRAP DETAIL**  
16 NOT TO SCALE

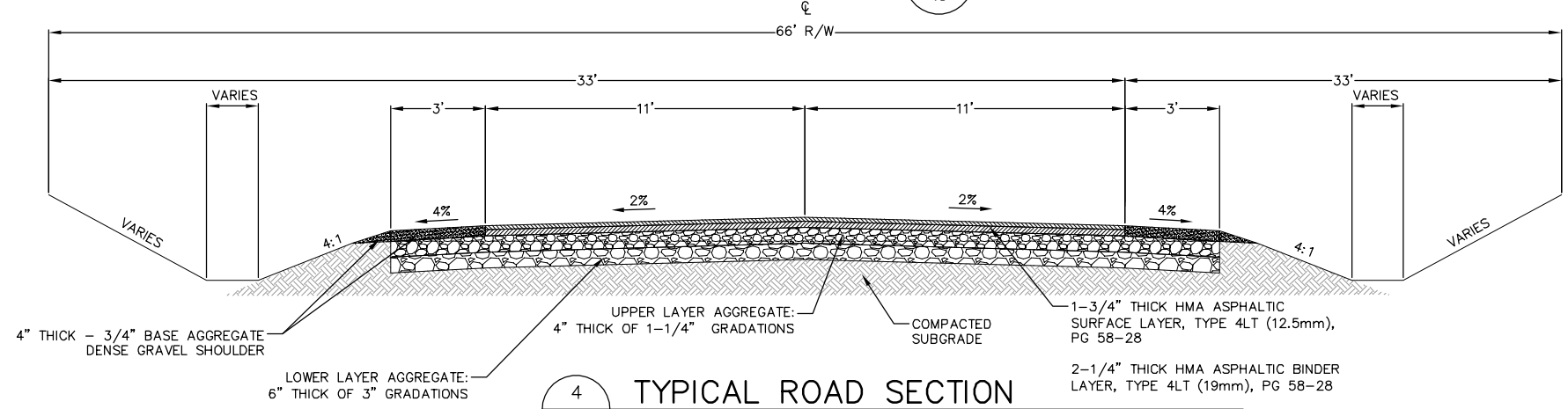


- NOTES:**
- THE CONTRACTOR SHALL BOLT THE PIPE GATE TO THE CONCRETE ENDWALL WITH FOUR 3/8"x6" MACHINE BOLTS WITH NUTS ON INSIDE WALL.
- PAINTING SPECIFICATIONS:**
- THE PIPE GATE SHALL RECEIVE THE FOLLOWING PREPARATION & PAINTING. THE FIRST COAT SHALL BE RUS-OLEUM X-60 RED BARE METAL PRIMER OR APPROVED EQUAL. THE SECOND COAT SHALL BE RUS-OLEUM 960 ZINC CHROMATE PRIMER OR APPROVED EQUAL. THE THIRD COAT SHALL BE RUS-OLEUM 1282 HIGH GLOSS METAL FINISH OR APPROVED EQUAL.
- PREPARATION STEPS:**
1. BARE METAL SURFACES - TREAT WITH THE THREE-COAT PAINTING SYSTEM LISTED AFTER A THOROUGH SCRAPING, WIRE BRUSHING & CLEANING.
  2. EACH COAT OF PAINT SHALL BE APPLIED OVER THE ENTIRE GATE SURFACE.
  3. ALLOW 24-48 HOURS DRYING TIME AT 60° OR ABOVE BETWEEN COATS.

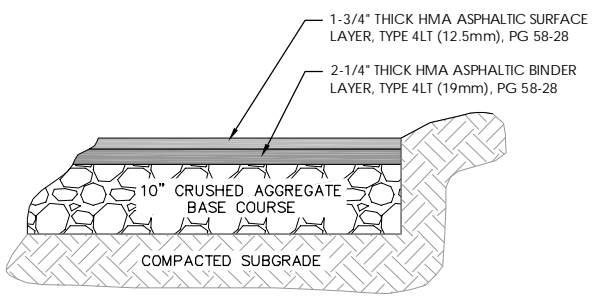
**2 STANDARD ENDWALL DETAIL**  
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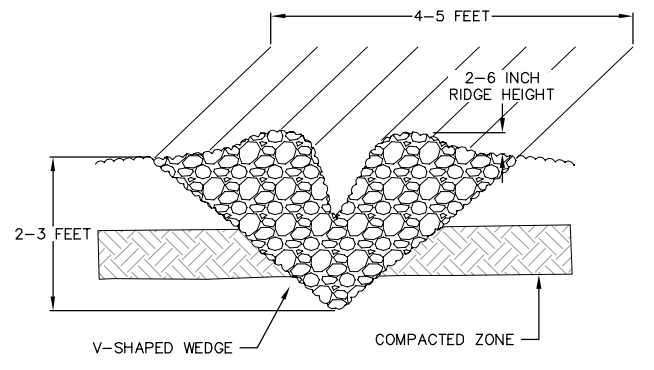
**3 CLASS B BEDDING COMPACTED SECTION**  
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**4 TYPICAL ROAD SECTION**  
16 NOT TO SCALE

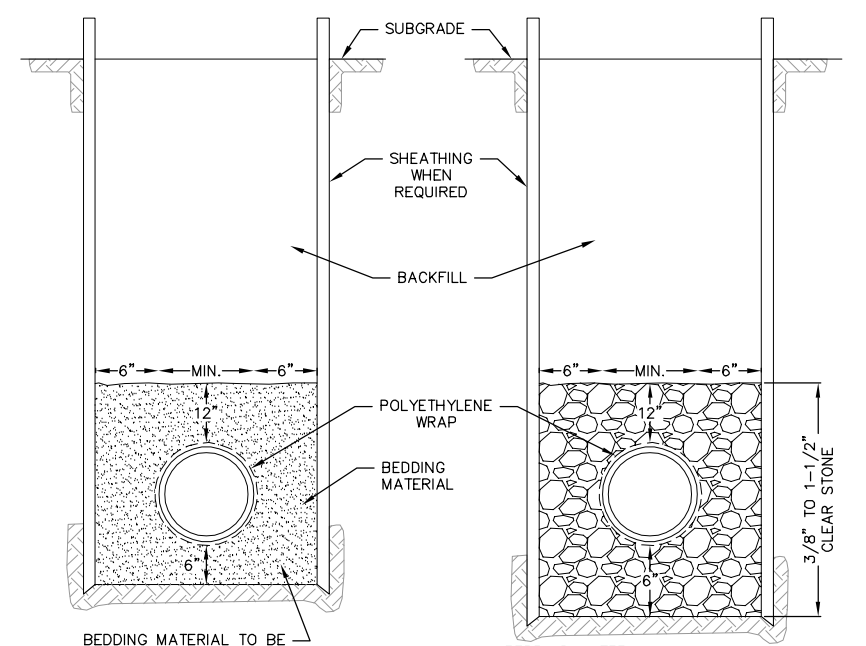


**5 SITE PAVEMENT**  
16 NOT TO SCALE



**6 DEEP TILLING DETAIL**  
16 NOT TO SCALE

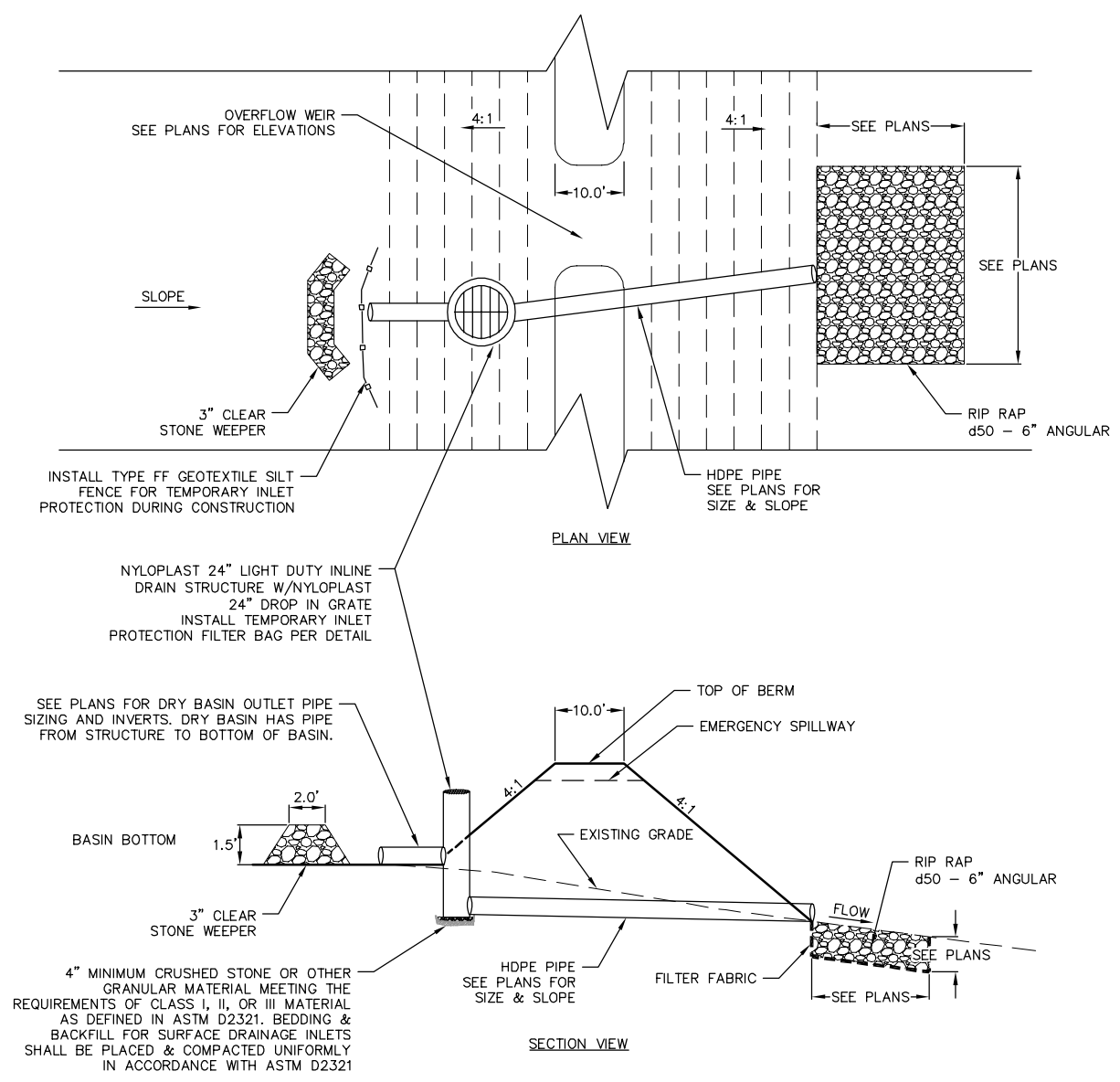
- NOTES:**
1. DEEP TILLING SHALL OCCUR ON DISTURBED GROUND PRIOR TO SEEDING.
  2. DISTURBED SOILS SHALL BE RIPPED AT LEAST 1 TO 2 INCHES BELOW THE HARDPAN LAYER OR COMPACTED ZONE.
  3. DEEP TILLING SHALL BE COMPLETED WHEN SOILS ARE DRY AS IT MORE EFFECTIVELY BREAKS UP THE SOIL AND LEAVES LARGER RIDGES ON THE SURFACE.
  4. SHANKS SHALL BE SPACED 4-5 FEET APART.
  5. DEEP TILLING SHALL BE PERFORMED ON THE CONTOUR.
  6. CONTRACTOR SHALL INSPECT DEEP TILLAGE AREA AFTER EACH STORM EVENT FOR SIGNS OF EROSION, WITH NECESSARY REPAIRS MADE IMMEDIATELY.



**7 STANDARD TRENCH SECTION**  
16 NOT TO SCALE

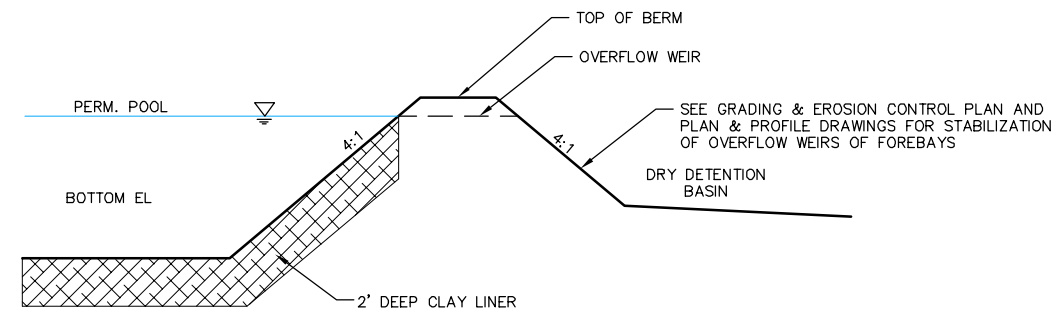
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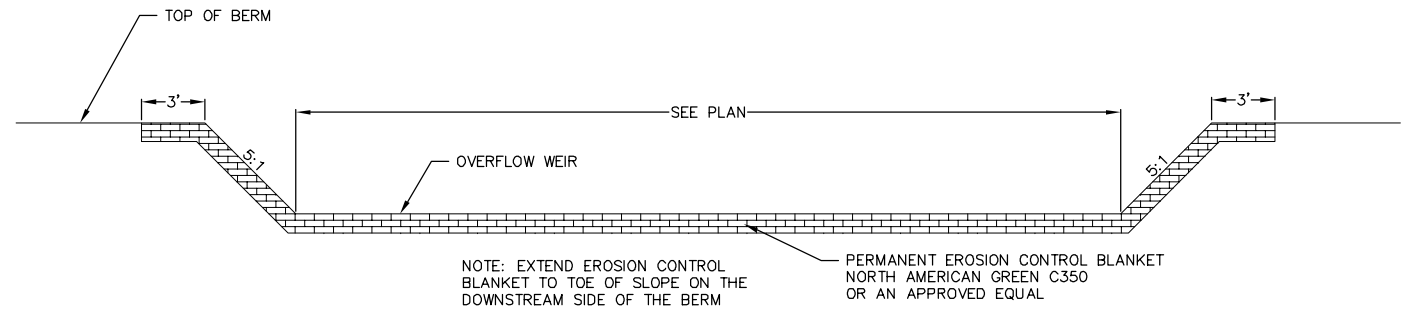


**1 DRY DETENTION BASIN DETAIL**  
17 NOT TO SCALE

- NOTES:
- SEE BASIN PLAN & PROFILE SHEETS FOR ALL TOP OF BERM ELEVATIONS, OVERFLOW WEIR LENGTH & ELEVATIONS, RIM ELEVATIONS FOR STRUCTURES, INVERT ELEVATIONS AND RIP RAP SIZING.
  - BOTTOM OF DRY BASINS SHALL BE SLOPED TOWARD THE OUTLET TO ENSURE PROPER DRAINAGE AND PREVENT STANDING WATER.
  - BOTTOM OF THE BASINS SHALL BE SEEDED WITH VEGETATION THAT IS TOLERANT OF INUNDATION. SEED MIX SHALL BE AGRECOL RAINWATER RENEWAL MIX OR SIMILAR MIX APPROVED BY ENGINEER PLANTED AT 8 PLS (PURE LIVE SEED) LBS/ACRE.

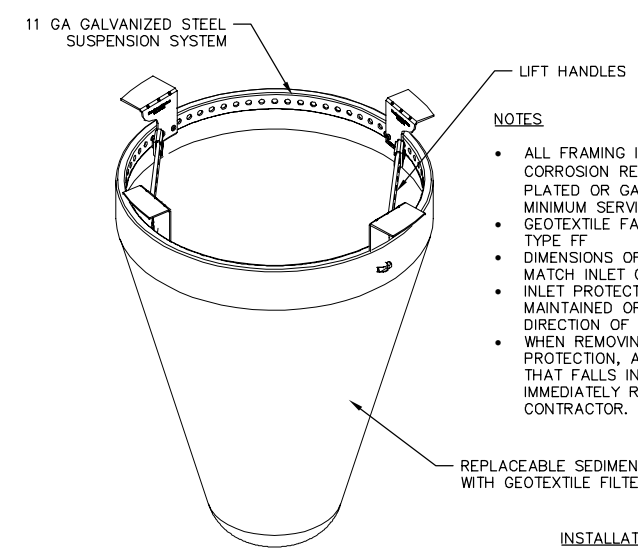


**2 FOREBAY DETAIL**  
17 NOT TO SCALE



**3 OVERFLOW WEIR**  
17 NOT TO SCALE

NOTE: EXTEND EROSION CONTROL BLANKET TO TOE OF SLOPE ON THE DOWNSTREAM SIDE OF THE BERM



**4 INLET PROTECTION DETAIL**  
17 NOT TO SCALE

- INSTALLATION
1. REMOVE GRATE
  2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING
  3. REPLACE GRATE

- NOTES
- ALL FRAMING IS CONSTRUCTED OF CORROSION RESISTANT STEEL (ZINC PLATED OR GALVANIZED) FOR 7-YR MINIMUM SERVICE LIFE.
  - GEOTEXTILE FABRIC SHALL BE WisDOT TYPE FF
  - DIMENSIONS OF TOP OF FILTER TO MATCH INLET GRATE
  - INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
  - WHEN REMOVING OR MAINTAINING INLET PROTECTION, ANY TRAPPED MATERIAL THAT FALLS INTO THE INLET SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR.

FLEXSTORM CATCH-IT FILTERS FOR TEMPORARY INLET PROTECTION OR APPROVED EQUAL

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