

GENERAL NOTES

1. THE LATEST EDITIONS OF THE FOLLOWING DOCUMENTS AND ANY SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS ON THIS PLAN UNLESS OTHERWISE NOTED.
 -STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, 6TH EDITION (SSSWCW)
 -THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION
 -WDNR STORMWATER RUNOFF TECHNICAL STANDARDS.
 -WISDOT PAL APPROVED EROSION CONTROL MEASURES LIST, LATEST EDITION.
 -CITY OF WAUKESHA DEVELOPMENT STANDARDS.
 -CITY OF WAUKESHA STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO MINIMIZE EROSION, WATER POLLUTION AND SILTATION CAUSED BY CONSTRUCTION OF THIS PROJECT. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS.
3. EROSION CONTROL PLAN: PRIOR TO BEGINNING WORK, AN APPROVED EROSION CONTROL PLAN WILL BE PROVIDED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY IMPLEMENTING THE APPROVED PLAN.
4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY FLOOR, CURB OR PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
5. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (CALL DIGGERS HOTLINE AT 800-242-8511). COST OF REPLACEMENT OR REPAIR OF EXISTING UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
6. EXISTING UTILITY INFORMATION IS SHOWN FROM SURVEY WORK, FIELD OBSERVATIONS, AVAILABLE PUBLIC RECORDS, AND AS-BUILT DRAWINGS. EXACT LOCATIONS AND ELEVATIONS OF UTILITIES SHALL BE DETERMINED PRIOR TO INSTALLING NEW WORK. EXCAVATE TEST PITS AS REQUIRED.
7. PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
8. ENGINEER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION.
9. ALL TRENCHING SHALL BE PERFORMED ACCORDING TO OSHA STANDARDS.
10. ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE.
11. THE CONTRACTOR SHALL CLEAN ALL ADJACENT STREETS OF ANY SEDIMENT OR DEBRIS BY SWEEPING BEFORE THE END OF THE WORKING DAY.
12. THE CONTRACTOR MUST AND IS REQUIRED TO NOTIFY THE CITY OF WAUKESHA SEWER AND WATER UTILITY A MINIMUM OF 7 DAYS IN ADVANCE OF WATER MAIN FILLING, WATER MAIN FLUSHING, WATER MAIN TESTING AND WATER MAIN CONNECTIONS. NO CONNECTION SHALL BE MADE TO THE EXISTING WATER SYSTEM UNTIL SAFE SAMPLES FROM THE NEW MAIN HAVE BEEN OBTAINED. THE CITY OF WAUKESHA WILL REQUIRE A METER WHEN FLUSHING THE WATER MAIN AFTER THE PRESSURE TEST AND SAFE WATER SAMPLE IS TAKEN.
13. CONTRACTOR SHALL NOTIFY THE CITY OF WAUKESHA 7 DAYS PRIOR TO STARTING ANY PUBLIC WATER MAIN AND CULVERT CONSTRUCTION.

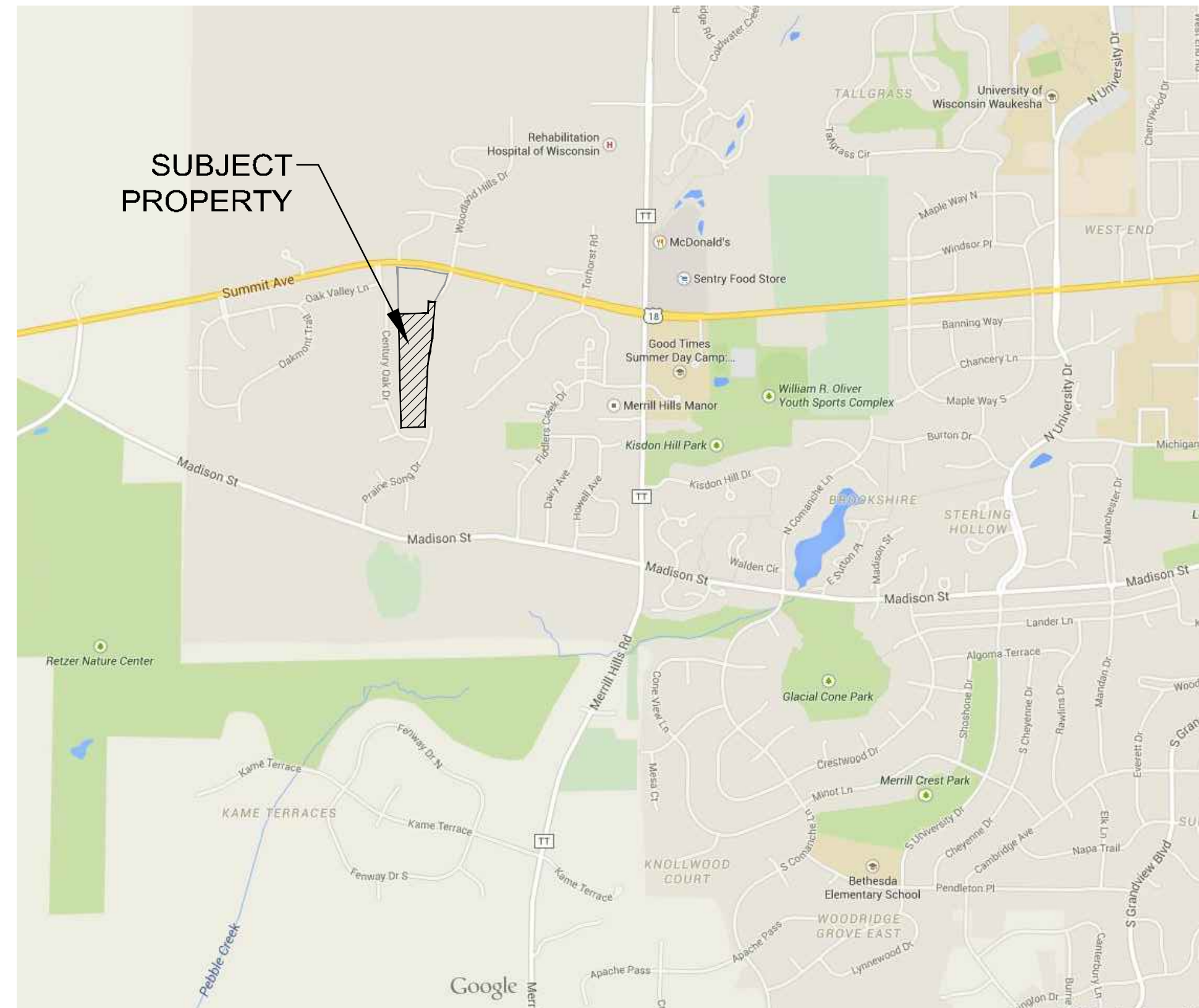
ALL SITE IMPROVEMENTS AND CONSTRUCTION SHOWN ON THE PLANS SHALL CONFORM TO THE CITY OF WAUKESHA DEVELOPMENT HANDBOOK & INFRASTRUCTURE SPECIFICATIONS. WHERE THE PLANS DO NOT COMPLY, IT SHALL BE THE SOLE RESPONSIBILITY AND EXPENSE OF THE DEVELOPER TO MAKE REVISIONS TO THE PLANS AND/OR CONSTRUCTED INFRASTRUCTURE TO COMPLY.

PRAIRIE SONG VILLAS

TWO FAMILY CONDOMINIUM SUBDIVISION

SITE DEVELOPMENT PLANS

CITY OF WAUKESHA, WISCONSIN



LOCATION MAP
NOT TO SCALE

SHEET INDEX

CIVIL	
T1	- COVER SHEET
C1.0	- OVERALL EXISTING SITE PLAN
C1.1	- OVERALL PROPOSED SITE PLAN
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C2.0	- GRADING & DRAINAGE PLAN
C2.1	- PROPOSED POND DETAIL
C2.2	- EROSION CONTROL PLAN
C3.0	- OVERALL SANITARY SEWER & WATER MAIN PLAN
C3.1-C3.2	- SANITARY SEWER & WATER MAIN PLAN & PROFILE
C4.0	- OVERALL ROADWAY & STORM SEWER PLAN
C4.1-C4.2	- ROADWAY & STORM SEWER PLAN & PROFILE
C5.0	- INTERSECTION DETAILS
C6.0-C6.2	- CONSTRUCTION DETAILS
C6.3	- CONSTRUCTION SPECIFICATIONS



4100 N. CALHOUN ROAD, SUITE 300
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FAX: (262) 790-1481
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PROJECT:
PRAIRIE SONG VILLAS
CITY OF WAUKESHA, WISCONSIN
BY: BIELNSKI COMMERCIAL, LLC.
1890 MEADOW LN, SUITE A
PEWAUKEE, WI 53072

REVISION HISTORY

DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
NOVEMBER 11, 2019

JOB NUMBER:
01006

DESCRIPTION:
COVER SHEET

SHEET

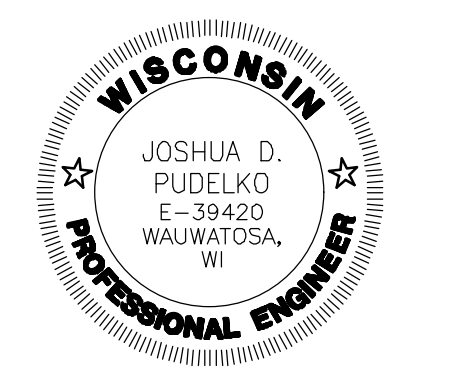
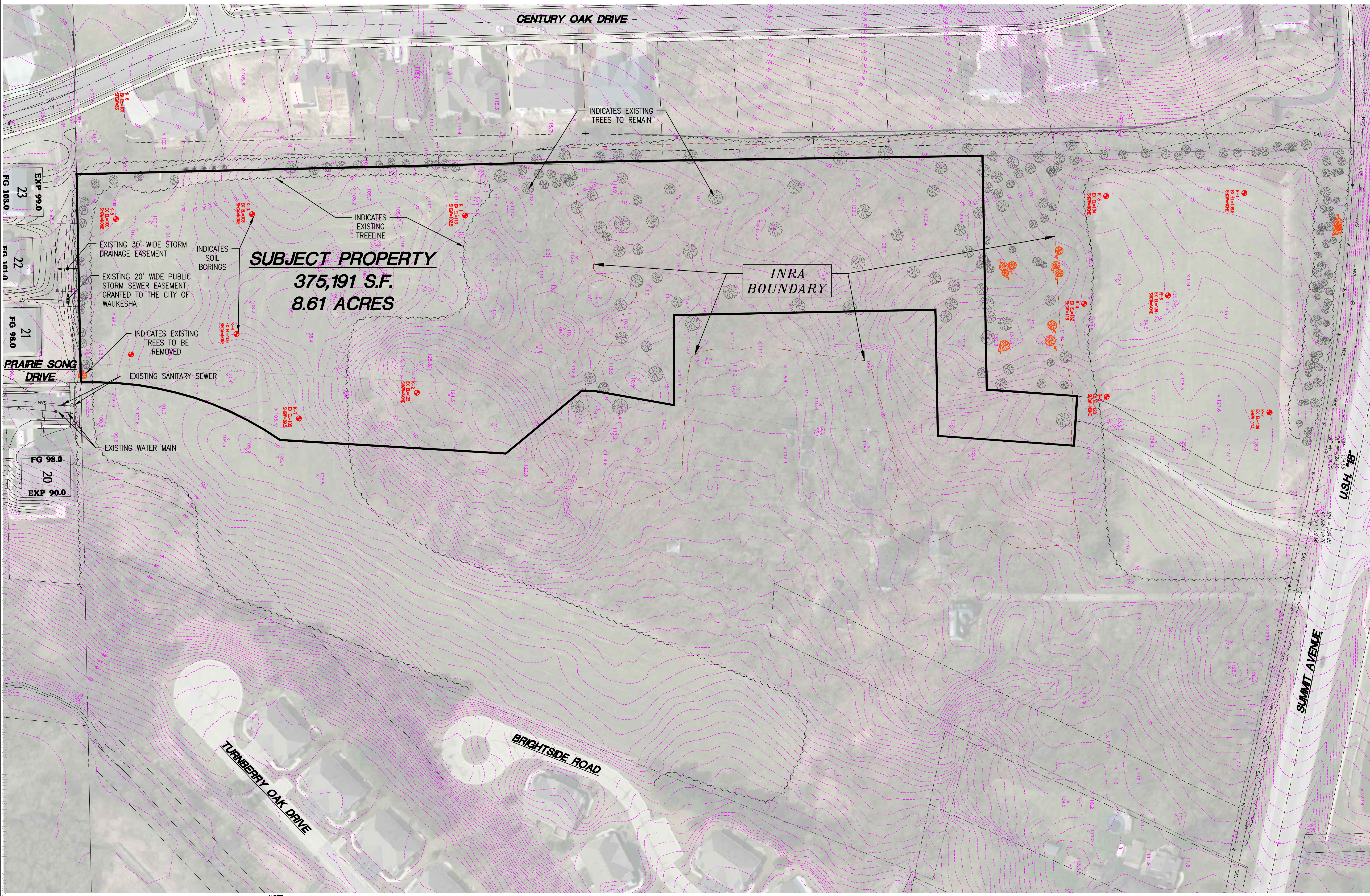
T1

H:\C900\966\01006-KENIG\CONSTRUCTION\PLANS\PRAIRIE_SONG_VILLAS\CIVIL_PRAIRIE_SONG_VILLAS_COVER & DETAILS_22X34.DWG



CONTRACTOR IS REQUIRED TO CONTACT DIGGERS HOTLINE TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING THE WORK. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.
CALL DIGGERS HOTLINE 1-800-242-8511

NOTE: EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.



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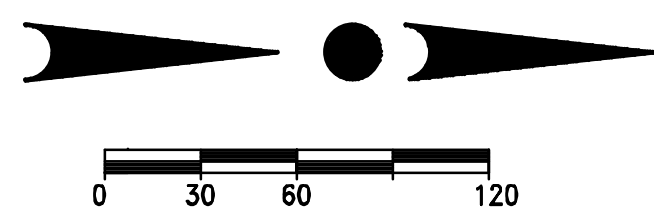
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 OVERALL
 EXISTING SITE
 PLAN

SHEET

C1.0

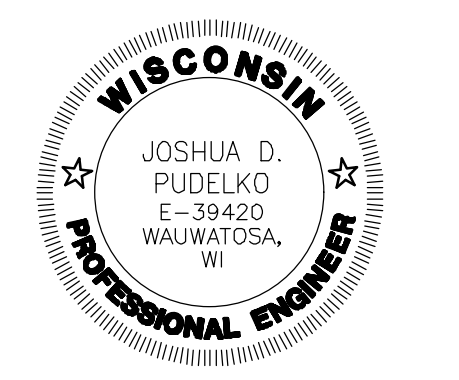
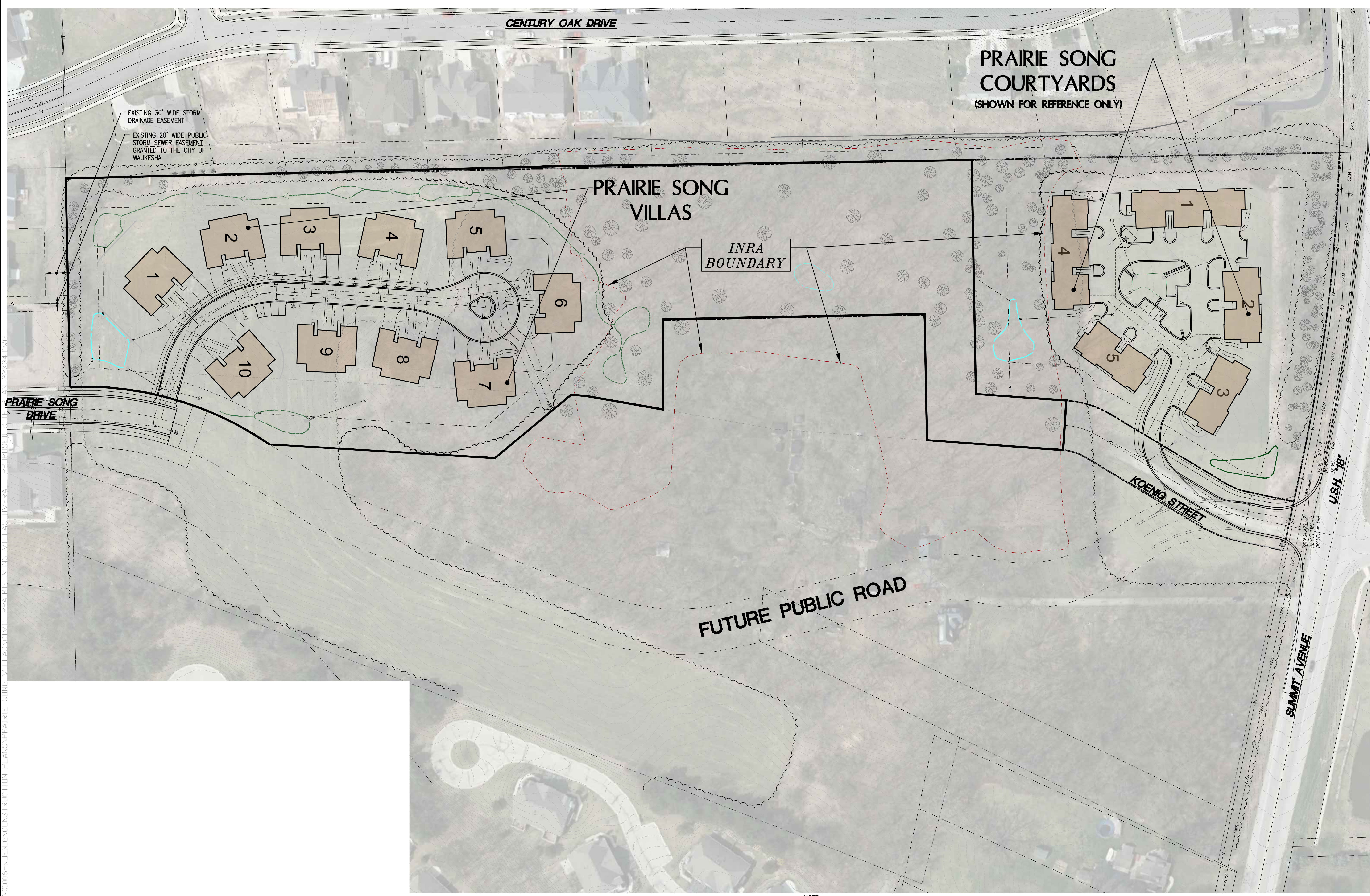
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DESCRIPTION:
 OVERALL
 PROPOSED SITE
 PLAN

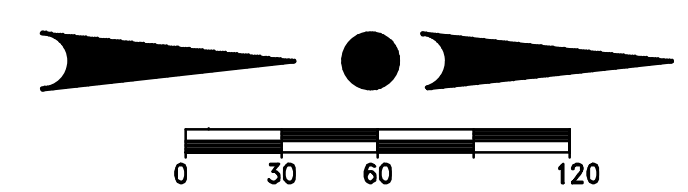
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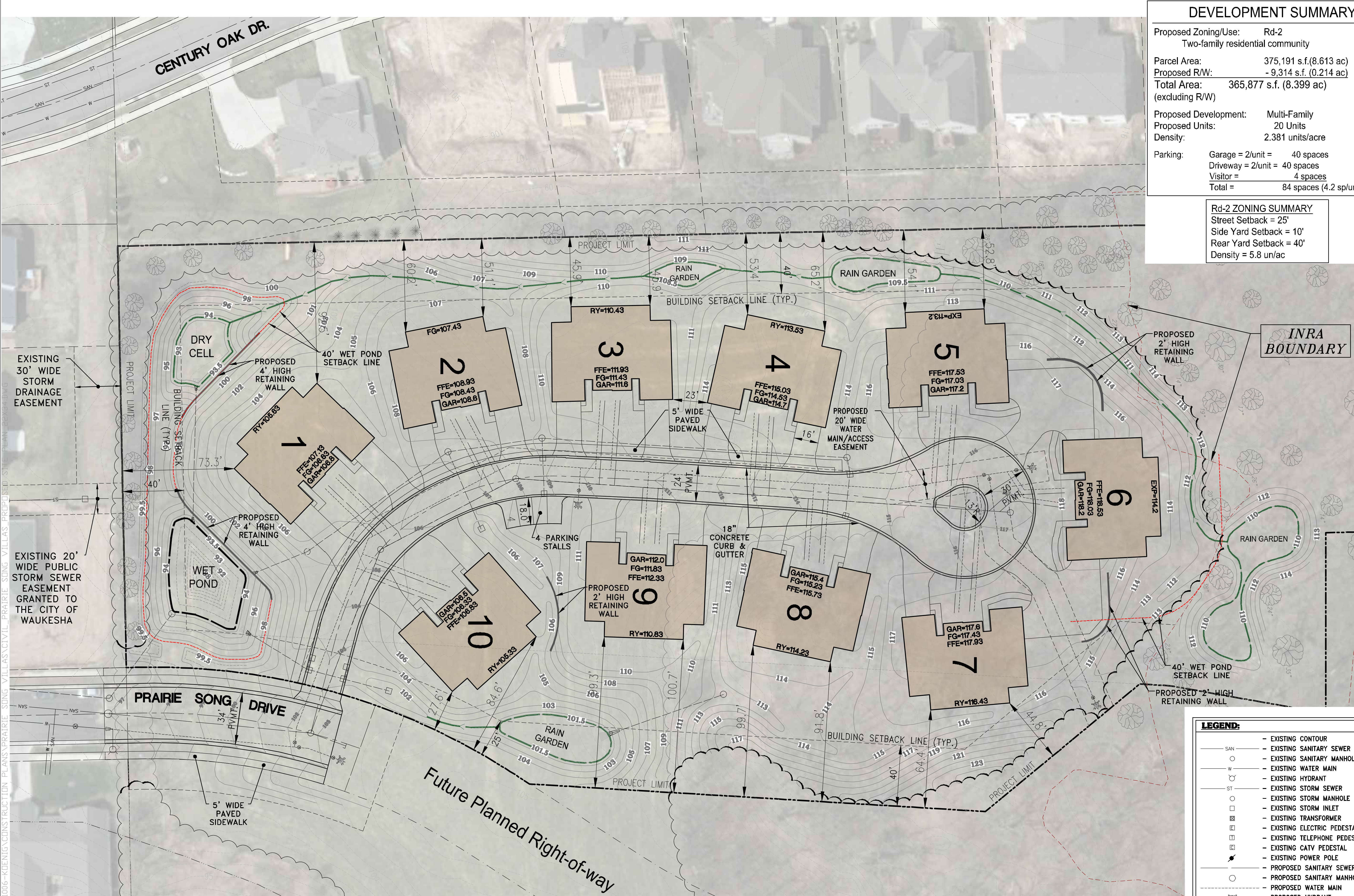
C1.1



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DEVELOPMENT SUMMARY

Proposed Zoning/Use:	Rd-2 Two-family residential community
Parcel Area:	375,191 s.f. (8.613 ac)
Proposed R/W:	- 9,314 s.f. (0.214 ac)
Total Area:	365,877 s.f. (8.399 ac) (excluding R/W)
Proposed Development:	Multi-Family
Proposed Units:	20 Units
Density:	2.381 units/acre
Parking:	Garage = 2/unit = 40 spaces Driveway = 2/unit = 40 spaces Visitor = 4 spaces Total = 84 spaces (4.2 sp/un)

Rd-2 ZONING SUMMARY

Street Setback =	25'
Side Yard Setback =	10'
Rear Yard Setback =	40'
Density =	5.8 un/ac

TRIO
DESIGN • LAND SURVEYING
CIVIL ENGINEERING

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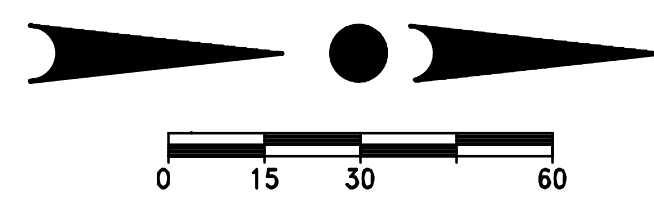
DESCRIPTION:
PROPOSED SITE PLAN

SHEET

C1.2

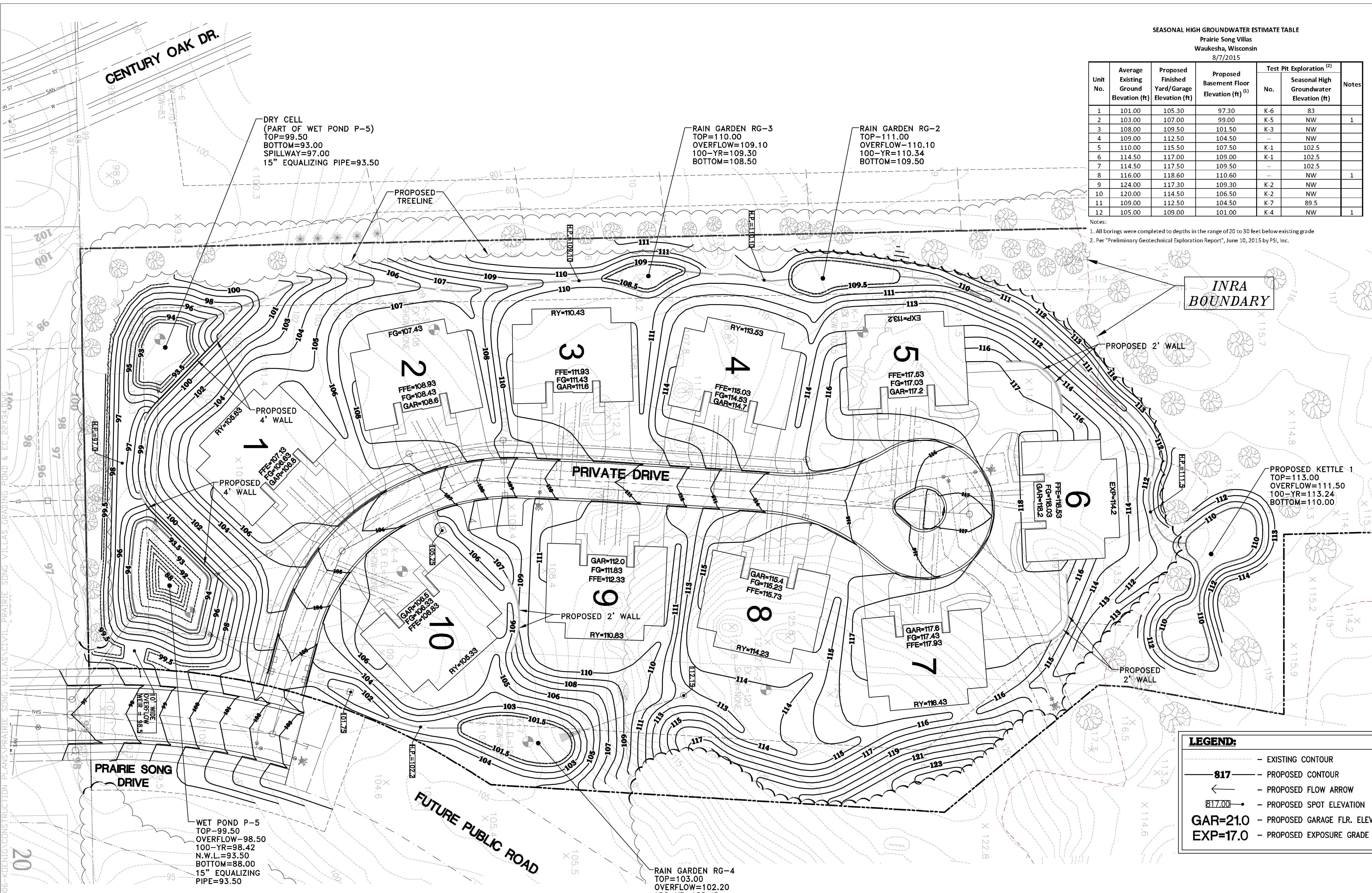
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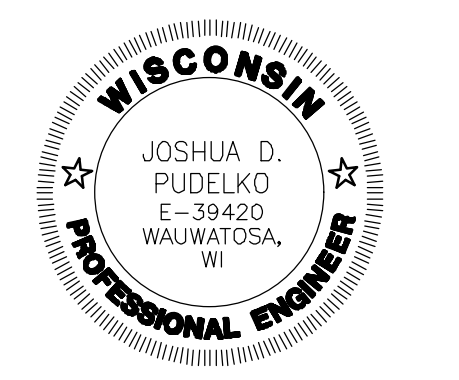
—	EXISTING CONTOUR
— S —	EXISTING SANITARY SEWER
— W —	EXISTING WATER MAIN
— H —	EXISTING HYDRANT
— ST —	EXISTING STORM SEWER
○	EXISTING STORM MANHOLE
□	EXISTING STORM INLET
⊠	EXISTING TRANSFORMER
⊞	EXISTING ELECTRIC PEDESTAL
⊠	EXISTING TELEPHONE PEDESTAL
⊠	EXISTING CATV PEDESTAL
⊠	EXISTING POWER POLE
—	PROPOSED SANITARY SEWER
○	PROPOSED SANITARY MANHOLE
—	PROPOSED WATER MAIN
—	PROPOSED HYDRANT
—	PROPOSED WATER VALVE
—	PROPOSED STORM SEWER
○	PROPOSED STORM MANHOLE
□	PROPOSED STORM INLET
—	PROPOSED STORM END SECTION



SEASONAL HIGH GROUNDWATER ESTIMATE TABLE
 Prairie Song Villas
 Waukesha, Wisconsin
 8/7/2015

Unit No.	Average Existing Ground Elevation (ft)	Proposed Finished Yard/Garage Elevation (ft)	Proposed Basement Floor Elevation (ft) (1)	Test Pit Exploration (2)		Notes
				No.	Seasonal High Groundwater Elevation (ft)	
1	101.00	105.30	97.30	K-6	83	
2	103.00	107.00	99.00	K-5	NW	1
3	108.00	109.50	101.50	K-3	NW	
4	109.00	112.50	104.50	--	NW	
5	110.00	115.50	107.50	K-1	102.5	
6	114.50	117.00	109.00	K-1	102.5	
7	114.50	117.50	109.50	--	102.5	
8	116.00	118.60	110.60	--	NW	1
9	124.00	117.30	109.30	K-2	NW	
10	120.00	114.50	106.50	K-2	NW	
11	109.00	112.50	104.50	K-7	89.5	
12	105.00	109.00	101.00	K-4	NW	1

Notes:
 1. All borings were completed to depths in the range of 20 to 30 feet below existing grade
 2. Per "Preliminary Geotechnical Exploration Report", June 10, 2015 by PSI, Inc.



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 01006

DESCRIPTION:
 GRADING & DRAINAGE PLAN

SHEET

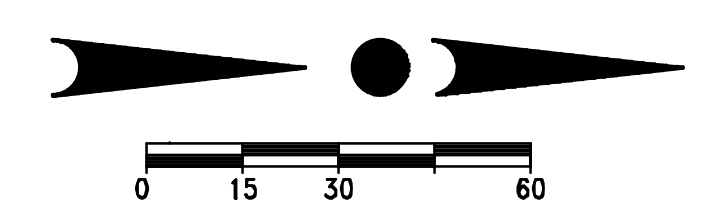
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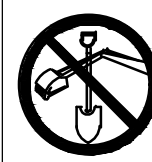
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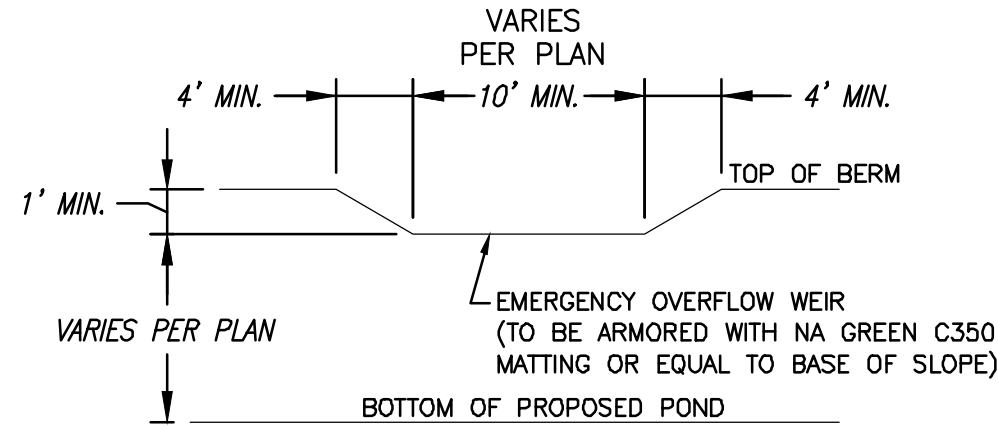
- - - - - EXISTING CONTOUR
- 817** - - - - - PROPOSED CONTOUR
- ← - - - - - PROPOSED FLOW ARROW
- 817.00** • - - - - - PROPOSED SPOT ELEVATION
- GAR=21.0** - - - - - PROPOSED GARAGE FLR. ELEV.
- EXP=17.0** - - - - - PROPOSED EXPOSURE GRADE





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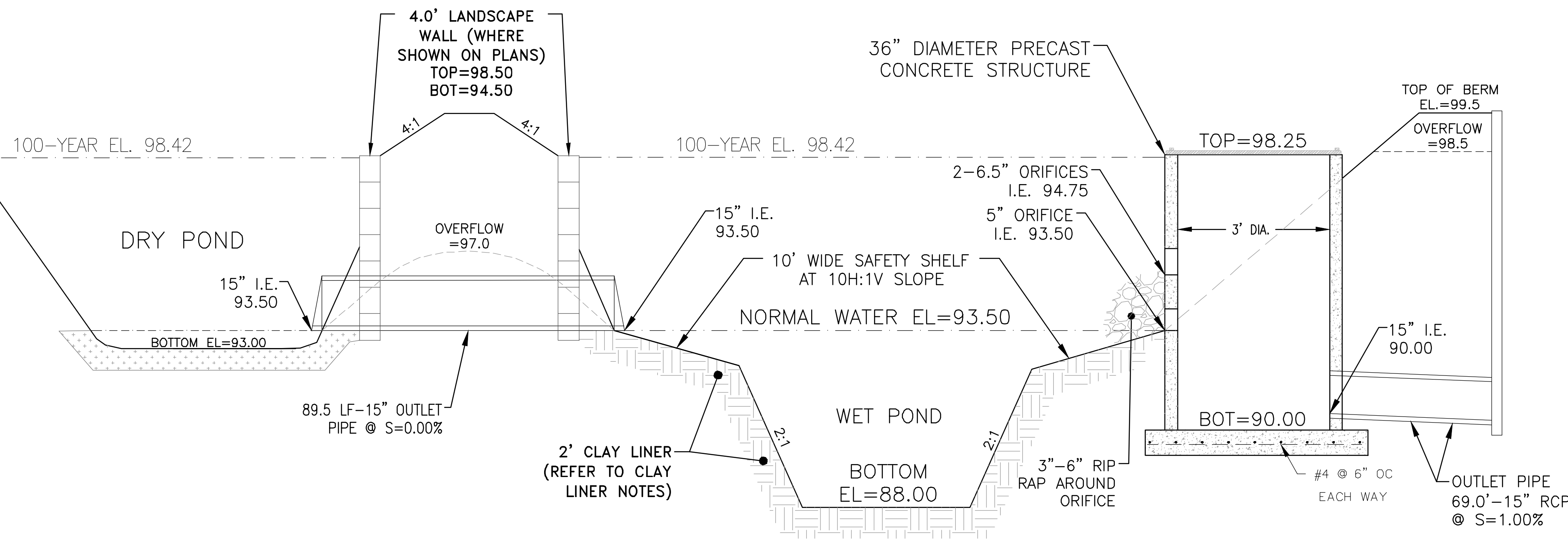
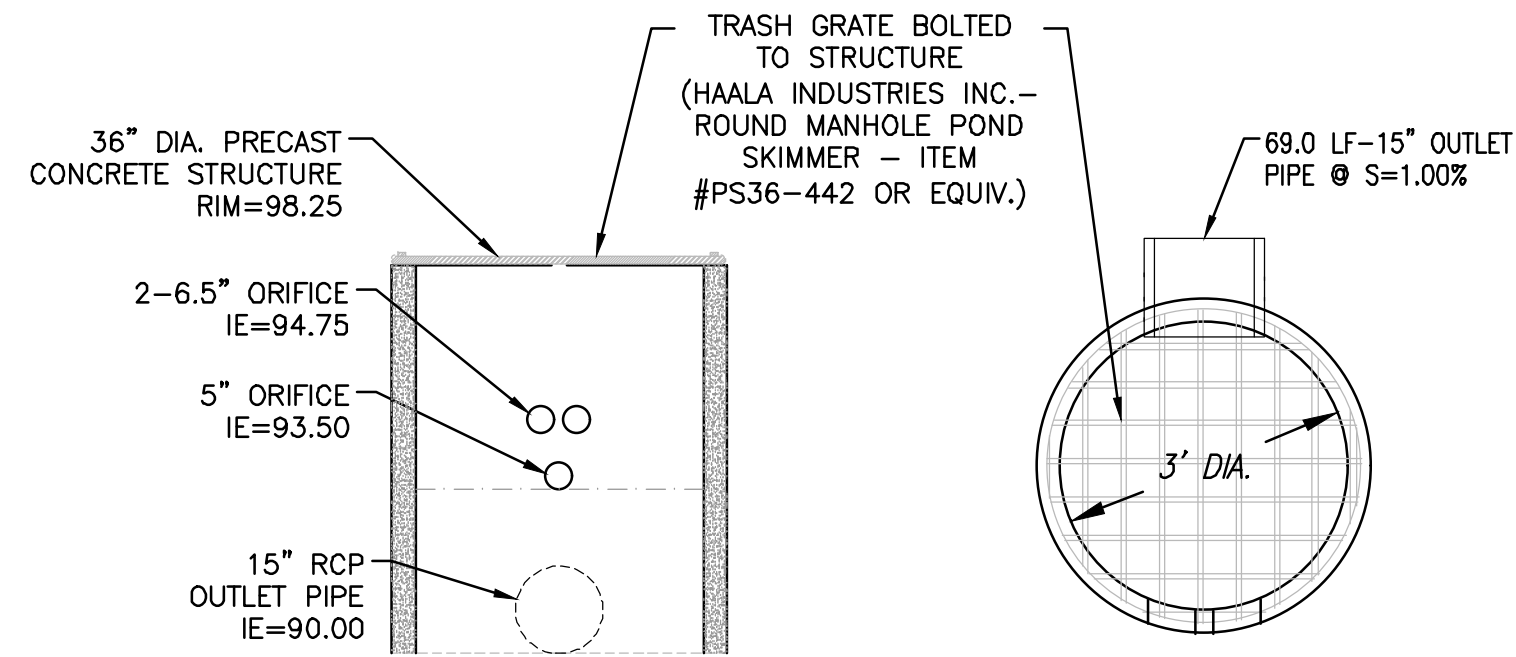


TYPICAL EMERGENCY OVERFLOW WEIR DETAIL

NOT TO SCALE

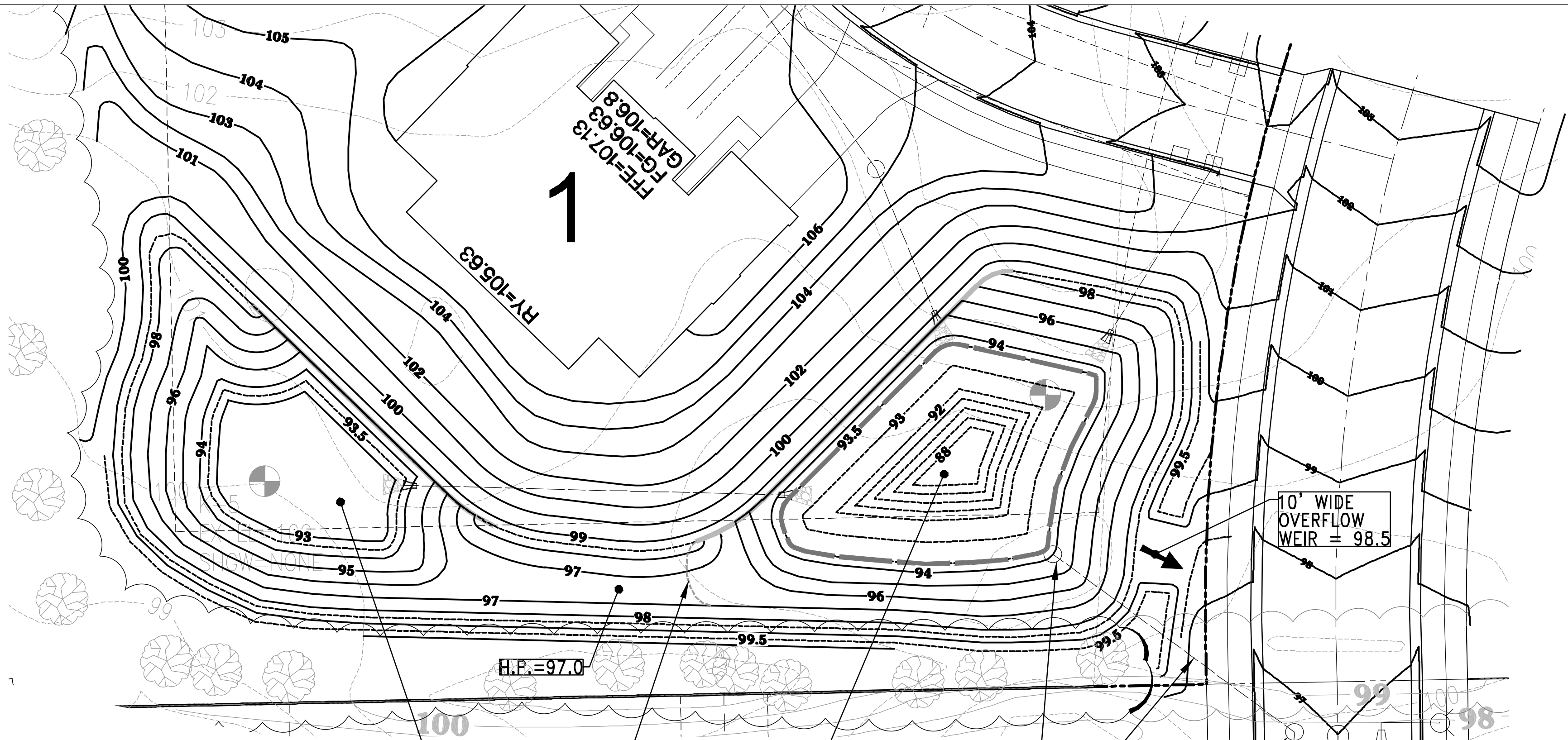
NOTE: GRADES FOR TOP OF BERM, OVERFLOW SPILLWAY, AND BOTTOM OF POND SHALL BE PER PLAN.

CLAY LINER NOTE:
 -2" THICK CLAY LINER IN ACCORDANCE WITH WDMR TECH. STD. 1001 TYPE B, AND SOILS REPORT.
 -CLAY LINER MATERIALS SHOULD BE COMPACTED TO A MINIMUM OF 90 TO 92% DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR (ASTM D1557)
 -IF PREDOMINANTLY GRANULAR TEXTURE SOILS AND/OR GROUNDWATER INFLOW IS ENCOUNTERED AT OR BELOW THE BOTTOM ELEVATION OF THE POND, A "SACRIFICIAL" LIFT OF CLAYEY FILL MAY BE REQUIRED TO BE PLACED ALONG THE SIDEWALLS AND BASE PRIOR TO COMMENCING WITH ACTUAL LINER PLACEMENT/CONSTRUCTION TO AID IN ATTAINING A SATISFACTORILY COMPACTED LINER SECTION. THE PLACEMENT OF A "SACRIFICIAL" LAYER IS PARTICULARLY BENEFICIAL IN CREATING A STABLE SUBBASE IN THE EVENT SLIGHT GROUNDWATER SEEPAGE OCCURS.
 -GEOTECHNICAL TESTING SHALL BE PERFORMED ON POTENTIAL CLAY LINER MATERIAL TO CONFIRM THAT SPECIFICATIONS ARE MET.
 -CLAY LINER SHALL EXTEND UP TO 2-YEAR WATER SURFACE ELEVATION.



DRY & WET POND P-5 DETAIL

NO SCALE



PROPOSED WET POND P-5
 N.W.L. - 95.30
 BOTTOM - 88.00
 TOP - 99.50
 SPILLWAY - 98.50
 100 YR. EL. - 98.42
 10 YR. EL. - 96.18
 2 YR. EL. - 95.14

WET POND OUTLET STRUCTURE & PIPE

POND MH 2 (SEE SHEET C4.1)

OUTLET PIPE 216.7'-15" RCP @ S=1.00% (SEE SHEET C4.1)

CONNECT TO EXISTING STORM MANHOLE 15" IE=87.15 (SEE SHEET C4.1)

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 PROPOSED POND DETAIL

SHEET

C2.1

CONSTRUCTION SEQUENCE

1. INSTALL CONSTRUCTION TRACKING PAD.
2. INSTALL SITE FENCE AROUND THE PERIMETER OF THE SITE.
3. CLEAR AND GRUB CONSTRUCTION AREAS.
4. CONSTRUCT TEMPORARY SEDIMENT TRAPS & BASINS.
5. CONSTRUCT DIVERSION BERMS AND SWALES (WITH DITCH CHECKS) TO DIRECT SITE RUNOFF TO THE TEMPORARY SEDIMENT CONTROL PRACTICES. NOTE THAT TOPSOIL MAY BE USED TO BUILD INITIAL DIVERSION BERMS.
6. STRIP TOPSOIL AND ROUGH GRADE SITE. TOPSOIL STOCKPILES SHALL BE SEEDED AND STABILIZED IMMEDIATELY UPON COMPLETION. NOTE THAT ROUGH GRADING MAY OCCUR CONCURRENT WITH CONSTRUCTION OF THE DIVERSION BERMS AND SWALES. TOPSOIL AREAS AS THEY ARE BROUGHT TO FINAL GRADE.
7. INSTALL SANITARY SEWER. COMPLETE ALL TESTING AND CONTACT CITY PRIOR TO CONNECTING TO EXISTING SANITARY MAINS. NOTE THAT THIS STEP MAY BEGIN CONCURRENT WITH ROUGH GRADING ONCE THE UTILITY AREAS HAVE BEEN GRADED TO SUBGRADE.
8. INSTALL WATER MAIN. COMPLETE ALL TESTING AND CONTACT CITY PRIOR TO CONNECTING TO EXISTING WATER MAINS. NOTE THAT THIS STEP MAY BEGIN CONCURRENT WITH ROUGH GRADING.
9. INSTALL STORM SEWER AND ASSOCIATED EROSION CONTROL MEASURES PER EROSION CONTROL PLAN. NOTE THAT THIS STEP MAY BEGIN CONCURRENT WITH SANITARY SEWER AND WATER MAIN INSTALLATION.
10. FINISH GRADE THE SITE. NOTE THAT THIS STEP MAY OCCUR CONCURRENT WITH STORM SEWER INSTALLATION.
11. INSTALL STONE BASE COURSE, CONSTRUCT CURB & GUTTER AND SIDEWALK, AND PLACE BINDER COURSE PAVEMENT. NOTE THAT THIS STEP MAY BEGIN CONCURRENT WITH FINISH GRADING.
12. RESPREAD TOPSOIL AND PLACE SEED, MULCH, MATTING AND OTHER SITE STABILIZERS AS NEEDED. NOTE THAT THIS STEP MAY BEGIN CONCURRENT WITH FINISH GRADING AND ROAD CONSTRUCTION. ANY AREAS THAT ARE FINISH GRADED AND TOPSOILED SHALL BE SEED, MULCHED AND/OR MATTED IMMEDIATELY AFTER TOPSOIL IS PLACED.
13. LATE SEASON (AFTER OCTOBER 15) STABILIZATION NOTES:
 - 13.1. ALL AREAS THAT WILL REMAIN DISTURBED AFTER OCTOBER 15 MUST BE TEMPORARY SEEDED AS OF THAT DATE.
 - 13.2. ANY FINAL SITE STABILIZATION THAT OCCURS AFTER OCTOBER 15, CONTRACTOR MUST COVER DISTURBED AREAS WITH THE ANIONIC FORM OF POLYACRYLAMIDE (PAM), PER WDNR TECHNICAL STANDARD 1050 AND WISDOT PAL LIST. CONTRACTOR SHALL COORDINATE WITH VILLAGE ENGINEER AND WDNR FOR LATE SEASON STABILIZATION REQUIREMENTS.
14. SEEDING AND STABILIZATION SHALL BE PROVIDED FOR ANY AREAS THAT ARE NOT SUBSTANTIALLY VEGETATED.
15. REMOVE CONSTRUCTION EROSION CONTROL MEASURES AFTER SITE IS SUBSTANTIALLY VEGETATED AND ALL CONSTRUCTION IS COMPLETE.

WISCONSIN DEPARTMENT OF NATURAL RESOURCES, CONSERVATION PRACTICE STANDARD:

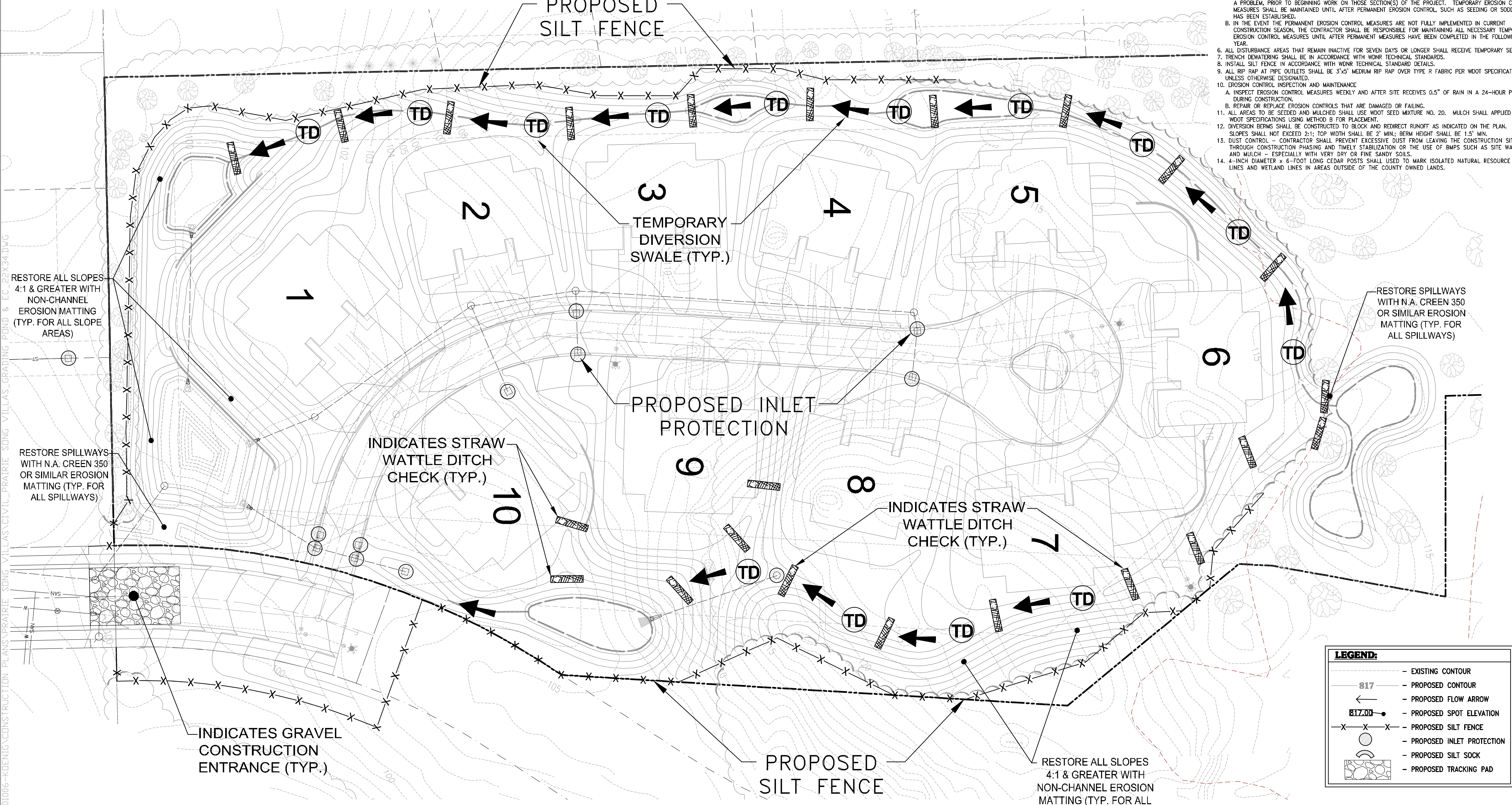
1052	- NON-CHANNEL EROSION MAT
1055	- SEDIMENT BALE BARRIER (NON-CHANNEL)
1056	- SILT FENCE
1060	- STORM DRAIN INLET PROTECTION FOR CONST. SITES
1062	- DITCH CHECK
1067	- STONE TRACKING PAD AND TIRE WASHING
1058	- MULCHING FOR CONSTRUCTION SITES
1059	- TEMPORARY SEEDING
1061	- DE-WATERING
1064	- SEDIMENT BASIN

LATE SEASON STABILIZATION NOTES:

- THE OBJECTIVE IS TO STABILIZE THE SITE WITH 70% VEGETATIVE COVERAGE OF ALL PERSISTENTLY DISTURBED AREAS BEFORE THE END OF THE GROWING SEASON. THIS WILL BE DONE BY SEEDING OF ALL DISTURBED AREAS WITH PERMANENT VEGETATION BY SEPTEMBER 15. IF THIS DEADLINE IS MISSED, THEN STABILIZATION WILL BE COMPLETED BY:
1. SEEDING OF ALL DISTURBED AREAS WITH TEMPORARY SEED MIX (OATS, WINTER WHEAT, ANNUAL RYE) BY OCTOBER 15. PERMANENT SEED MIX MUST THEN BE IMPLEMENTED BY JUNE 1 OF THE FOLLOWING YEAR.
 2. IF THE OCTOBER 15 DEADLINE IS MISSED, COVERAGE OF ALL DISTURBED AREAS BY NOVEMBER 1 WITH:
 - a. TOPSOIL, SEED, AND THE MATERIAL CALLED FOR IN THE APPROVED STABILIZATION PLANS, WHERE TOPSOIL, SEED, AND EROSION CONTROL MATTING IS CALLED FOR.
 - b. TOPSOIL, SEED, AND TYPE A SOIL STABILIZER FROM THE WDOT PRODUCT ACCEPTABILITY LIST OR OTHER METHOD APPROVED BY THE CITY ENGINEER FOR ALL AREAS WHERE SEED, TOPSOIL, AND MULCH IS CALLED FOR IN THE APPROVED PLANS.
 3. IF THE NOVEMBER 1 DEADLINE HAS BEEN MISSED, AND THE CITY ENGINEER HAS DETERMINED THAT IT IS INFEASIBLE TO RE-APPLY TOPSOIL, THE PERMIT APPLICANT SHALL:
 - a. APPLY TYPE A SOIL STABILIZER FROM THE WDOT PRODUCT ACCEPTABILITY LIST TO ALL DISTURBED AREAS.
 - b. INSTALL DITCH CHECKS IN ALL DITCHES WITH SLOPE GREATER THAN 0.5% AT INTERVALS SUCH THAT THE TOP OF THE DOWNHILL DITCH CHECK IS AT THE ELEVATION OF THE FOOT OF THE UPHILL DITCH CHECK. DITCH CHECKS SHALL BE EITHER:
 - i. TRIANGULAR FOAM-CORE
 - ii. STONE INSTALLED PER THE WDNR TECHNICAL STANDARD
 - iii. COMPOST-FILLED TUBES, OR
 - iv. A COMPARABLE PRODUCT AS APPROVED BY THE CITY ENGINEER.

EROSION CONTROL NOTES:

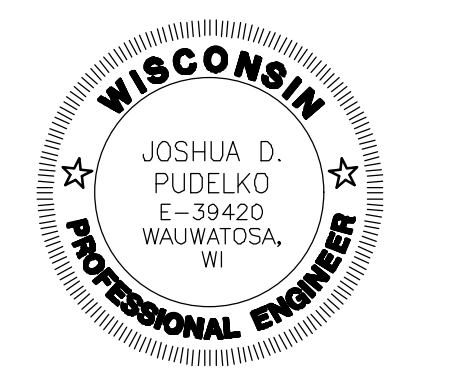
1. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO MINIMIZE EROSION, WATER POLLUTION AND SILTATION CAUSED BY CONSTRUCTION OF THIS PROJECT. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS.
2. EROSION CONTROL PLAN: PRIOR TO BEGINNING WORK, THE CONTRACTOR MAY BE REQUIRED TO SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN, DETAILING SPECIFIC MEASURES THAT WILL BE USED IN THE VARIOUS STAGES OF CONSTRUCTION FOR APPROVAL BY THE ENGINEER.
3. IMPLEMENTATION: THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL AFTER INITIAL EROSION AND SEDIMENT CONTROL DEVICES ARE IN PLACE AND APPROVED BY THE ENGINEER.
4. EROSION CONTROL MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - A. DIVERT UPSTREAM RUNOFF FROM FLOWING THROUGH THE CONSTRUCTION SITE.
 - B. PROTECT DOWNSTREAM OR ADJACENT WATERWAYS AND WETLANDS WITH SILT FENCE.
 - C. DELAY STRIPPING TOPSOIL UNTIL REQUIRED FOR CONSTRUCTION.
 - D. PLACE SILT FENCE OR EROSION CONTROL BALES IN DITCHES AND OTHER DRAINAGE WAYS TO COLLECT SEDIMENT AND TO SLOW THE VELOCITY OF RUNOFF.
 - E. MAINTAIN EXISTING SEDIMENT BASIN AS DICTATED BY SITE CONDITIONS.
 - F. PROTECT STORM SEWER INLETS AND THE UPSTREAM END OF CULVERTS WITH SILT FENCE OR EROSION CONTROL BALES.
 - G. PROMPT REMOVAL OF EXCAVATED MATERIAL.
 - H. PROPER STORAGE OF BACKFILL AND BEDDING MATERIALS INCLUDING PLACING SILT FENCE OR EROSION CONTROL BALES ON THE DOWNSLOPE SIDES OF SPILL PILES.
 - I. CONSTRUCTION OF TRACKING PAD TO CONSTRUCTION SITE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO ROADWAYS.
 - J. PROMPT (SAME DAY) CLEANUP OF MATERIAL TRACKED ONTO ADJACENT STREETS.
 - K. TIMELY RESTORATION OF DAMAGE SURFACE AREAS.
 - L. ALL AREAS THAT WILL REMAIN DISTURBED AFTER OCTOBER 15, MUST BE TEMPORARY SEEDED AS OF THAT DATE.
5. TEMPORARY EROSION CONTROL MEASURES:
 - A. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY EROSION CONTROL MEASURES, WHERE EROSION IS LIKELY TO BE A PROBLEM, PRIOR TO BEGINNING WORK ON THOSE SECTION(S) OF THE PROJECT. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL AFTER PERMANENT EROSION CONTROL, SUCH AS SEEDING OR SOODING, HAS BEEN ESTABLISHED.
 - B. IN THE EVENT THE PERMANENT EROSION CONTROL MEASURES ARE NOT FULLY IMPLEMENTED IN CURRENT CONSTRUCTION PHASING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY TEMPORARY EROSION CONTROL MEASURES UNTIL AFTER PERMANENT MEASURES HAVE BEEN COMPLETED IN THE FOLLOWING YEAR.
6. ALL DISTURBANCE AREAS THAT REMAIN INACTIVE FOR SEVEN DAYS OR LONGER SHALL RECEIVE TEMPORARY SEEDING.
7. TRENCH DEWATERING SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS.
8. INSTALL SILT FENCE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DETAILS.
9. ALL RIP RAP AT PIPE OUTLETS SHALL BE 3"x5" MEDIUM RIP RAP OVER TYPE R FABRIC PER WDOT SPECIFICATIONS UNLESS OTHERWISE DESIGNATED.
10. EROSION CONTROL INSPECTION AND MAINTENANCE:
 - A. INSPECT EROSION CONTROL MEASURES WEEKLY AND AFTER SITE RECEIVES 0.5" OF RAIN IN A 24-HOUR PERIOD DURING CONSTRUCTION.
 - B. REPAIR OR REPLACE EROSION CONTROLS THAT ARE DAMAGED OR FAILING.
11. ALL AREAS TO BE SEEDED AND MULCHED SHALL USE WDOT SEED MIXTURE NO. 20. MULCH SHALL APPLIED PER WDOT SPECIFICATIONS USING METHOD B FOR PLACEMENT.
12. DIVERSION BERMS SHALL BE CONSTRUCTED TO BLOCK AND REDIRECT RUNOFF AS INDICATED ON THE PLAN. SIDE SLOPES SHALL NOT EXCEED 2:1; TOP WIDTH SHALL BE 2' MIN.; BERM HEIGHT SHALL BE 1.5' MIN.
13. DUST CONTROL - CONTRACTOR SHALL PREVENT EXCESSIVE DUST FROM LEAVING THE CONSTRUCTION SITE THROUGH CONSTRUCTION PHASING AND TIMELY STABILIZATION OR THE USE OF BMPs SUCH AS SITE WATERING AND MULCH - ESPECIALLY WITH VERY DRY OR FINE SANDY SOILS.
14. 4-INCH DIAMETER x 6-FOOT LONG CEDAR POSTS SHALL USED TO MARK ISOLATED NATURAL RESOURCE LIMIT LINES AND WETLAND LINES IN AREAS OUTSIDE OF THE COUNTY OWNED LANDS.



H:\C9001\966\01006-KENIG\CONSTRUCTION\PLANS\PRRAIE_SONG_VILLAS\CIVIL\PRRAIE_SONG_VILLAS_GRADING_POND & EC_22X34.DWG

NOTE: CONTRACTOR IS REQUIRED TO CONTACT DIGGERS HOTLINE TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING THE WORK. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE. **CALL DIGGERS HOTLINE 1-800-242-8511**

NOTE: EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.



4100 N. CALHOUN ROAD, SUITE 300
BROOKFIELD, WI 53005
PHONE: (262) 790-1480
FAX: (262) 790-1481
EMAIL: info@trioeng.com

PROJECT:
PRAIRIE SONG VILLAS
CITY OF WAUKESHA, WISCONSIN
BY: BIELNSKI COMMERCIAL, LLC.
1890 MEADOW LN, SUITE A
PEWAUKEE, WI 53072

REVISION HISTORY

DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

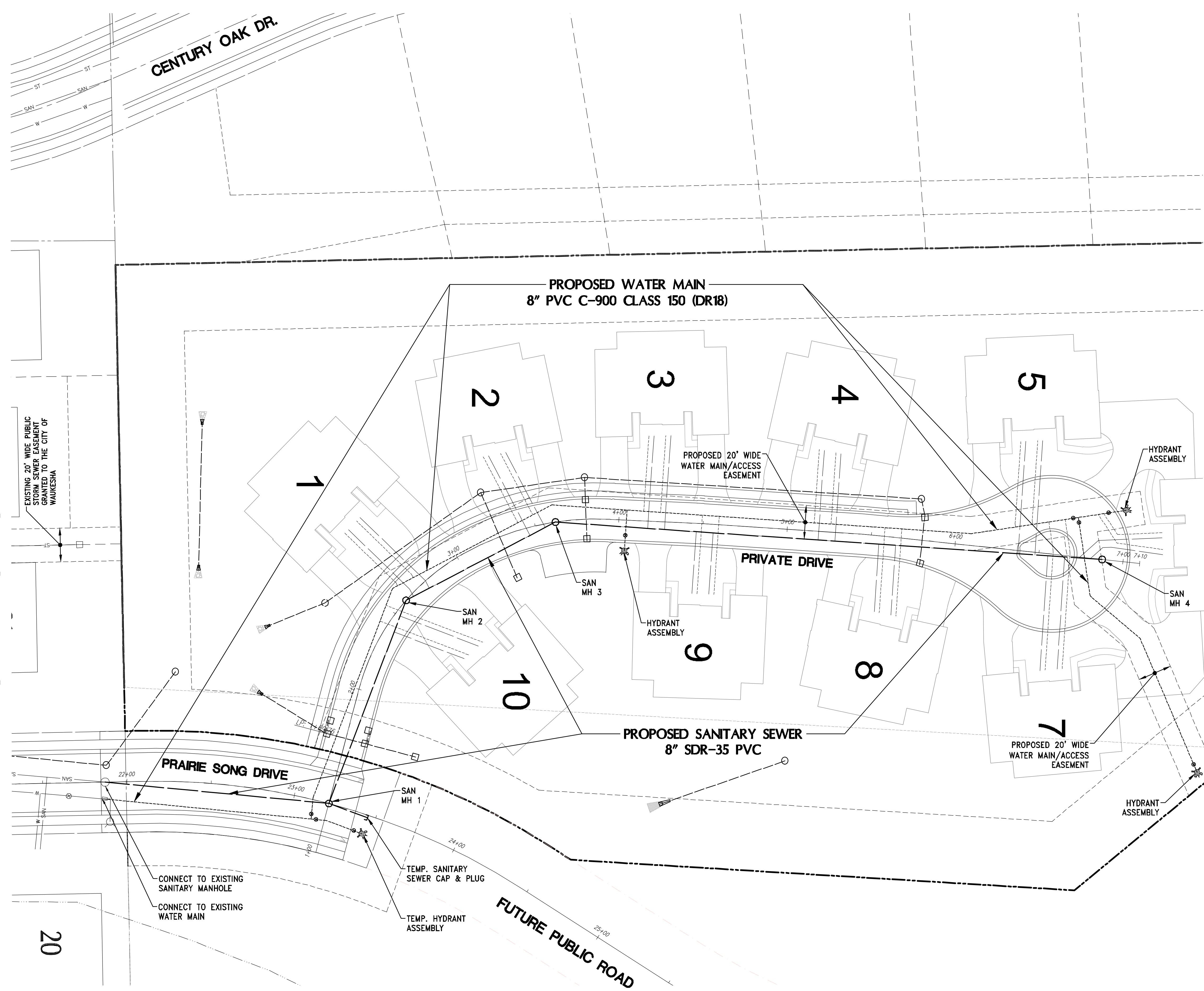
DATE:
NOVEMBER 11, 2019

JOB NUMBER:
01006

DESCRIPTION:
EROSION CONTROL PLAN

SHEET

C2.2



SANITARY SEWER NOTES

SANITARY SEWER

- ALL 8" PVC SEWER PIPE SHALL MEET THE REQUIREMENTS SET FORTH IN SECTION 8.10.0 (SSWCW).
- ALL SANITARY MANHOLES SHALL BE 48" DIA. WITH A NEENAH R-1661 FRAME AND SELF-SEALING LID (NON LOCKING TYPE) WITH NO VENT HOLES AND MEET THE REQUIREMENTS SET FORTH IN SSSWCW.
- SDR-35 PVC PIPE SHALL BE USED FOR SANITARY SEWERS LESS THAN 16 FEET DEEP.
- C-900 PVC PRESSURE PIPE SHALL BE USED FOR SANITARY SEWERS DEEPER THAN 16 FEET.
- MAPLE HEART BOARDS SHALL BE PROVIDED AT ALL SANITARY SEWER LATERAL END CONNECTIONS

TRACER WIRE NOTE

- CONTRACTOR SHALL INSTALL PLASTIC COATED TRACER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE) PER COMM 82.30(1)(H). PLASTIC WIRE MAY BE TAPED TO PLASTIC DRAIN PIPE. IF ATTACHED, THE TRACER SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS. TRACER WIRE SHALL HAVE ACCESS POINTS AT LEAST EVERY 300 FEET.

WATER MAIN NOTES

CONTACT WAUKESHA WATER UTILITY AT (262) 521-5272

WATERMAIN

- ALL 8" WATERMAIN CONSTRUCTED AS PART OF THIS PLAN SHALL BE PVC, C-900, CLASS 150 (DR-18).
- PVC PIPE SHALL HAVE PUSH-ON JOINTS WITH RUBBER GASKET.
- HYDRANTS SHALL BE SET AT 2 FT. BEHIND THE BACK OF CURB, WITH THE NOZZLE ELEVATION 20 INCHES ABOVE TOP OF CURB.
- ANCHOR TEES SHALL BE USED FOR EACH HYDRANT BRANCH.
- ALL WATERMANS (AND SERVICES) CALLED FOR ON THESE PLANS ARE TO BE INSTALLED WITH CLASS "B" BEDDING AS SPECIFIED IN CH. 4.3.0, LAYING OF WATERMAIN, AND FILE NO. 36, PART VII (SSWCW).

TRACER WIRE NOTE

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COMPACTION NOTE

- THE DEVELOPER SHALL CONTRACT WITH A SOIL TESTING FIRM TO PERFORM COMPACTION TESTING ON TRENCHES FOR ALL PROJECTS. THE DEVELOPER WILL BE REQUIRED TO MEET A MINIMUM COMPACTION OF 90% STANDARD PROCTOR DENSITY IN THE BOTTOM 3 FEET AND A MINIMUM COMPACTION OF 95% STANDARD PROCTOR DENSITY IN THE TOP 3 FEET OF THE EXCAVATED MATERIAL ON GRANULAR BACKFILL.

BACKFILL NOTES

TRENCH BACKFILL

- BACKFILL FOR ALL TRENCHES SHALL BE 1 1/4" CRUSHED LESTONESTONE TB (SECTION 305.2.2.1 OF THE WISDOT STD. SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION) UNLESS OTHERWISE NOTED IN THE PROFILE OR IN THE PROJECT SPECIFICATION.

NOTE:
ALL MATERIALS SHALL BE APPROVED BY THE CITY OF WAUKESHA PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION.

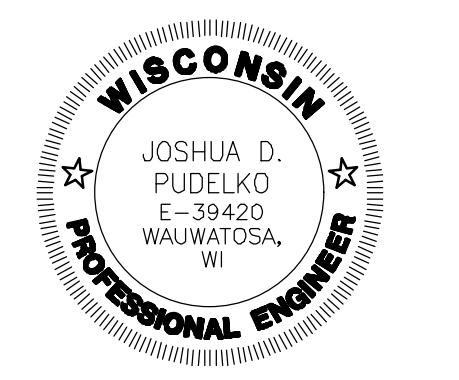
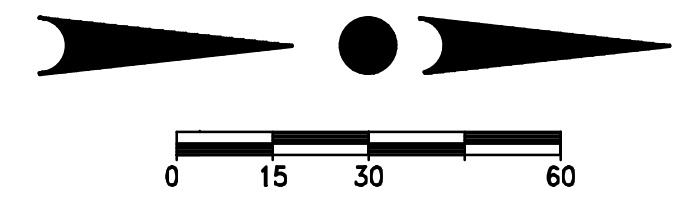
NOTE:
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NOTE:
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NOTE:
ANY WORK IN THE RIGHT-OF-WAY AND ALL UTILITY CONNECTIONS TO BE INSPECTED BY THE CITY, NOTIFY CITY 72 HOURS IN ADVANCE OF CONNECTING TO SEWER.

LEGEND:

---	EXISTING CONTOUR
SAN	EXISTING SANITARY SEWER
○	EXISTING SANITARY MANHOLE
W	EXISTING WATER MAIN
○	EXISTING HYDRANT
ST	EXISTING STORM SEWER
○	EXISTING STORM MANHOLE
□	EXISTING STORM INLET
⊠	EXISTING TRANSFORMER
⊠	EXISTING ELECTRIC PEDESTAL
⊠	EXISTING TELEPHONE PEDESTAL
⊠	EXISTING CATV PEDESTAL
⊠	EXISTING POWER POLE
○	PROPOSED SANITARY SEWER
○	PROPOSED SANITARY MANHOLE
---	PROPOSED WATER MAIN
⊠	PROPOSED HYDRANT
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⊠	PROPOSED STORM END SECTION



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PROJECT:
PRAIRIE SONG VILLAS
CITY OF WAUKESHA, WISCONSIN
BY: BIELNSKI COMMERCIAL, LLC.
1890 MEADOW LN, SUITE A
PEWAUKEE, WI 53072

REVISION HISTORY

DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
NOVEMBER 11, 2019

JOB NUMBER:
01006

DESCRIPTION:
OVERALL
SANITARY SEWER
& WATER MAIN
SYSTEM PLAN

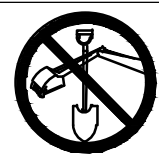
SHEET

C3.0

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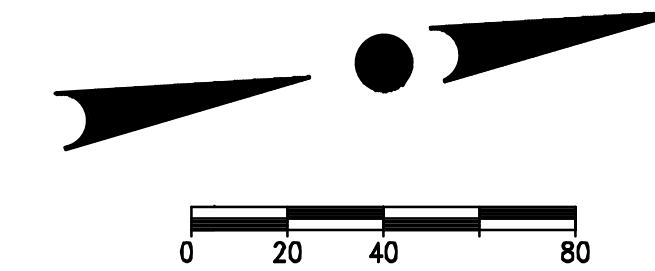
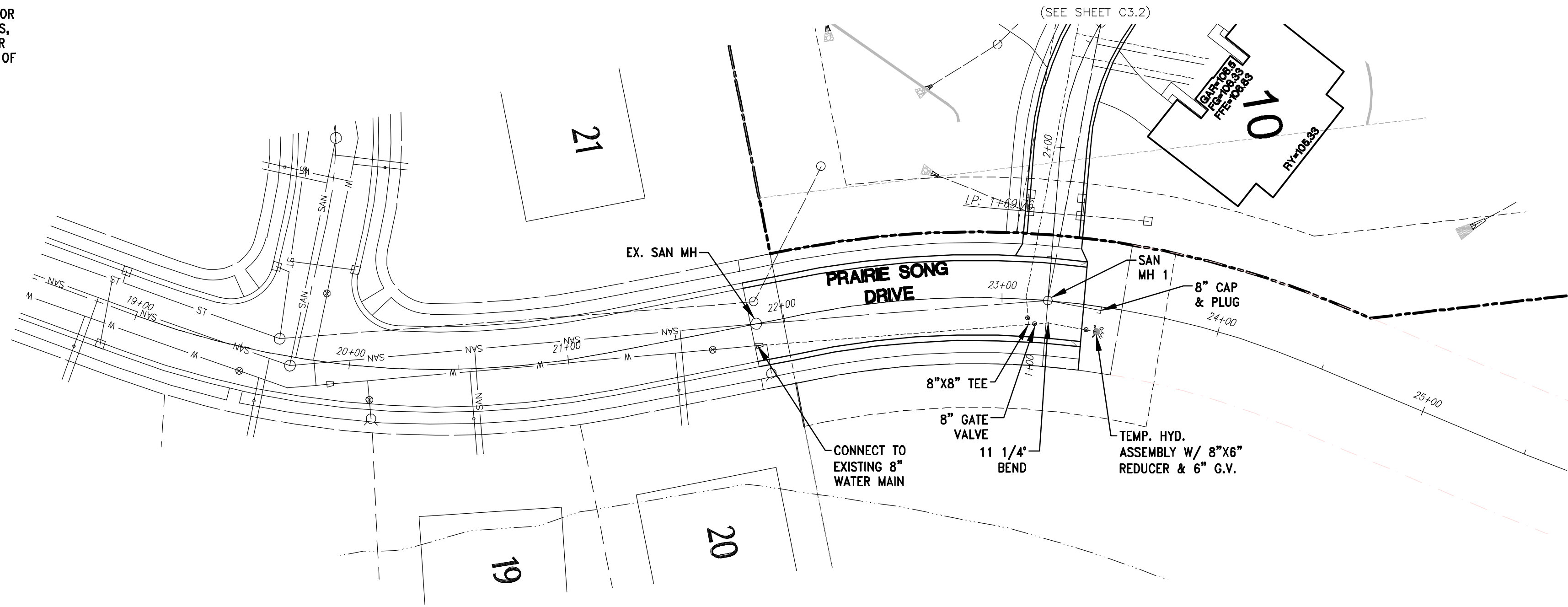
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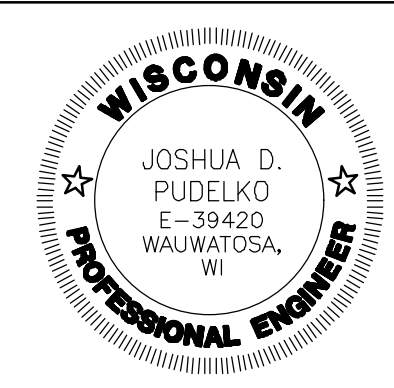
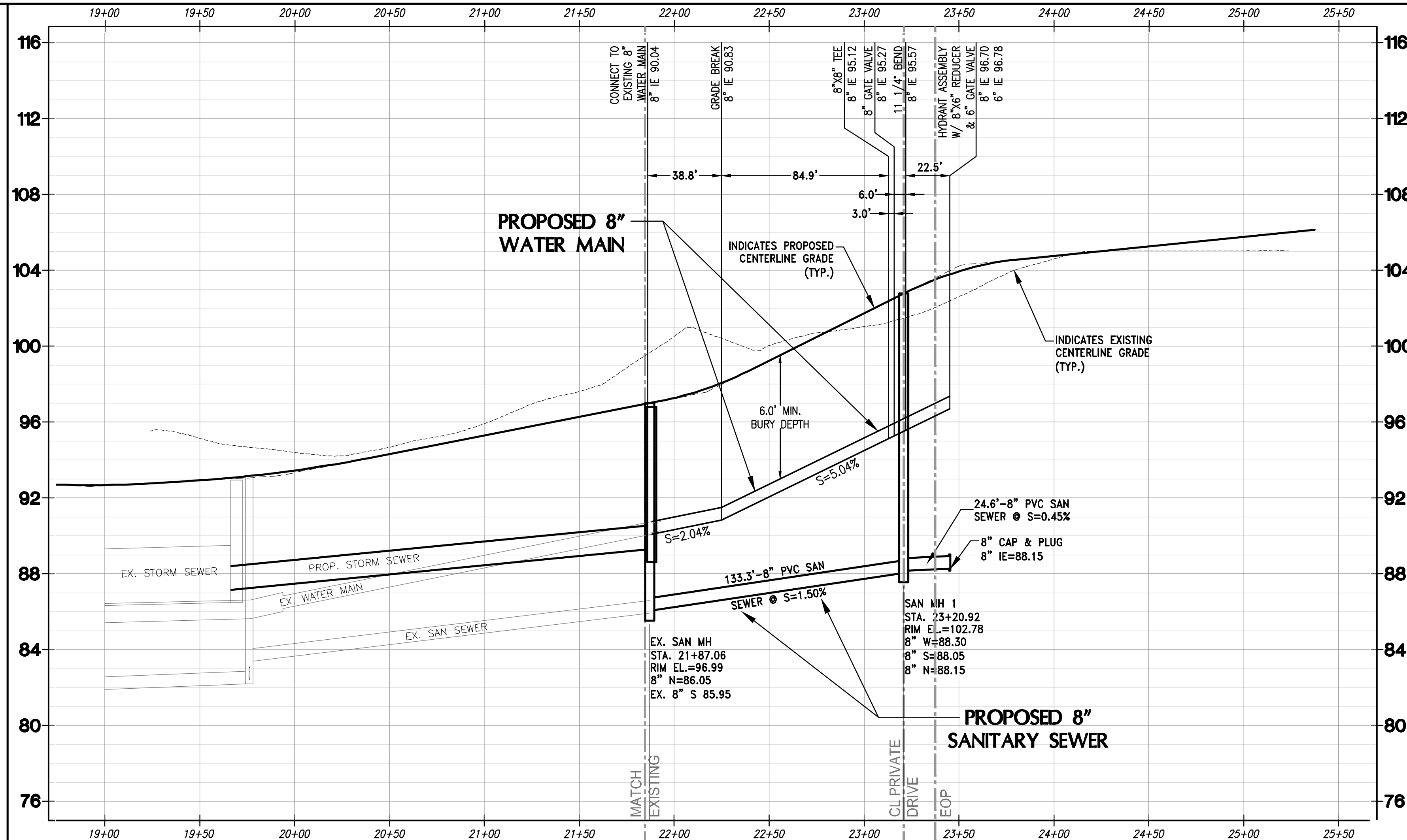
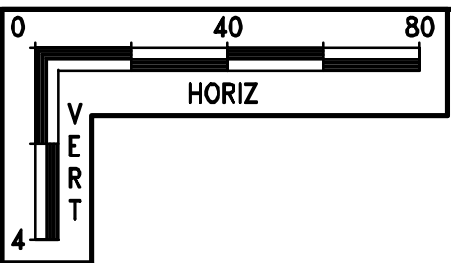


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 BROOKFIELD, WI 53005
 PHONE: (262) 790-1480
 FAX: (262) 790-1481
 EMAIL: info@trioeng.com

PROJECT:
PRAIRIE SONG VILLAS
 CITY OF WAUKESHA, WISCONSIN
 BY: **BIELINSKI COMMERCIAL, LLC.**
 1890 MEADOW LN, SUITE A
 PEWAUKEE, WI 53072

REVISION HISTORY

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11/11/19	CITY SUBMITTAL

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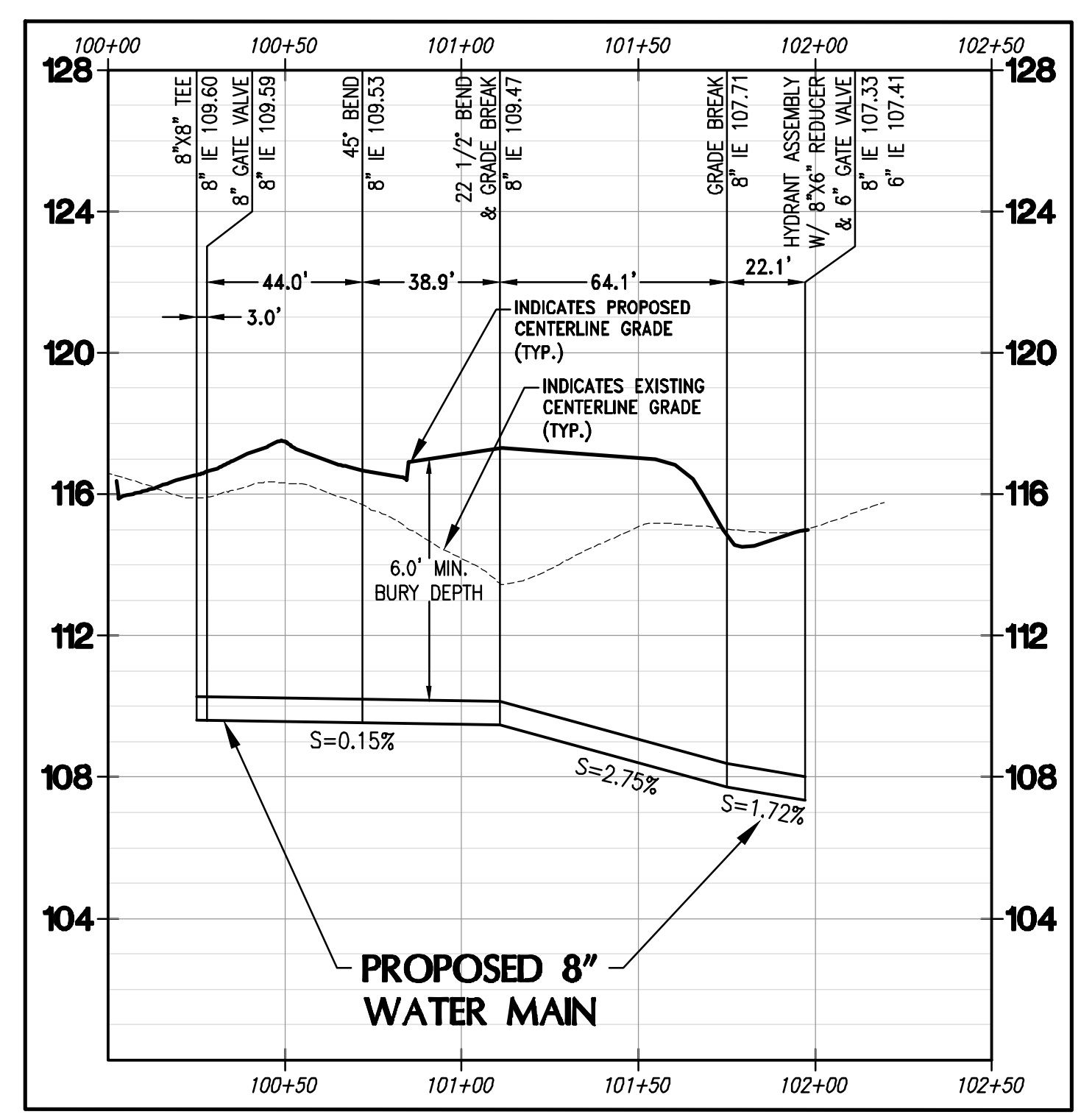
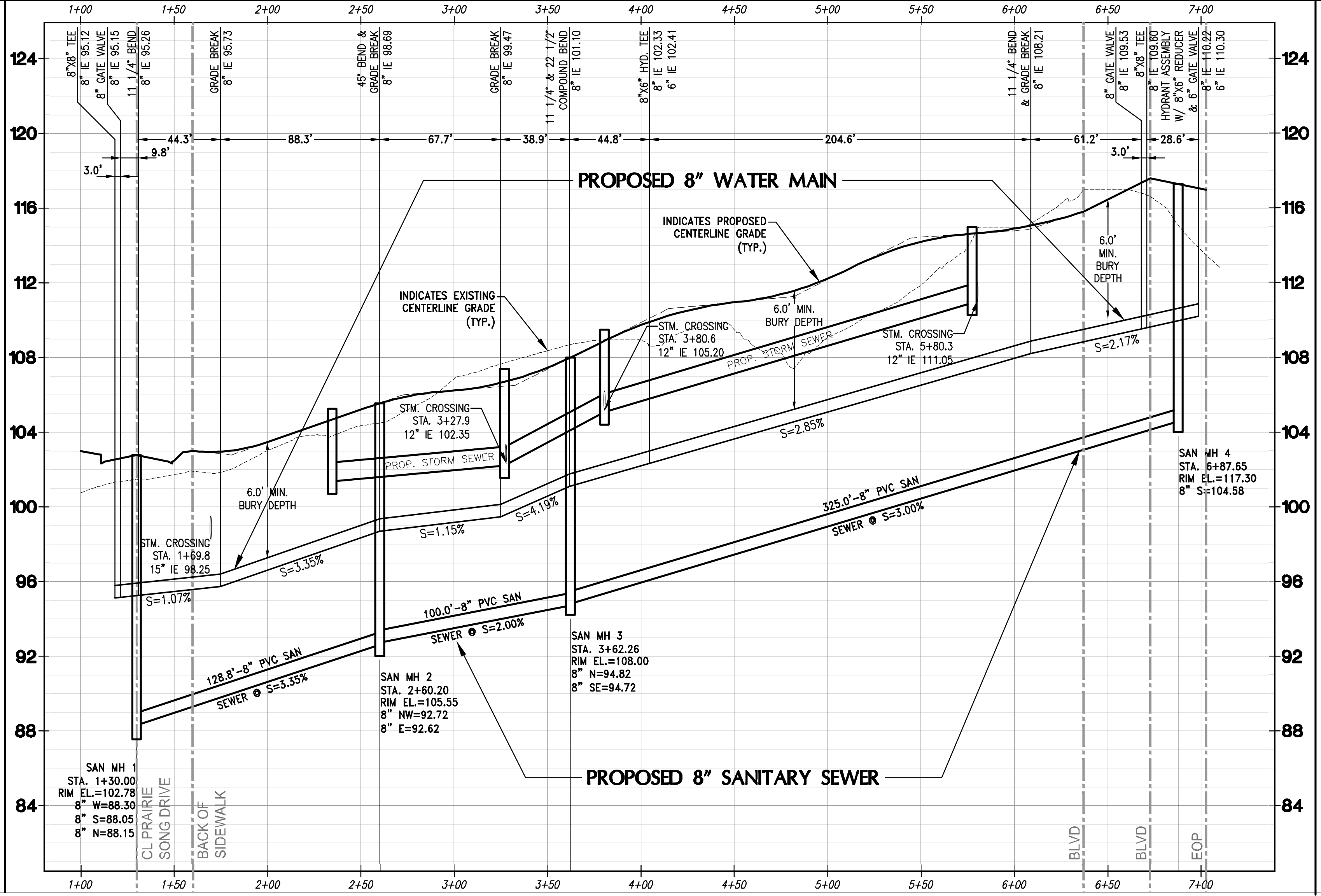
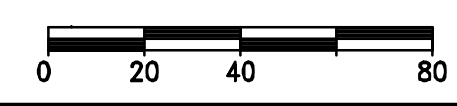
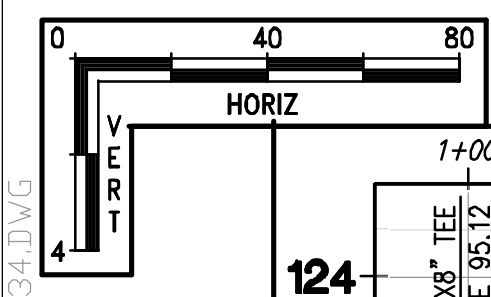
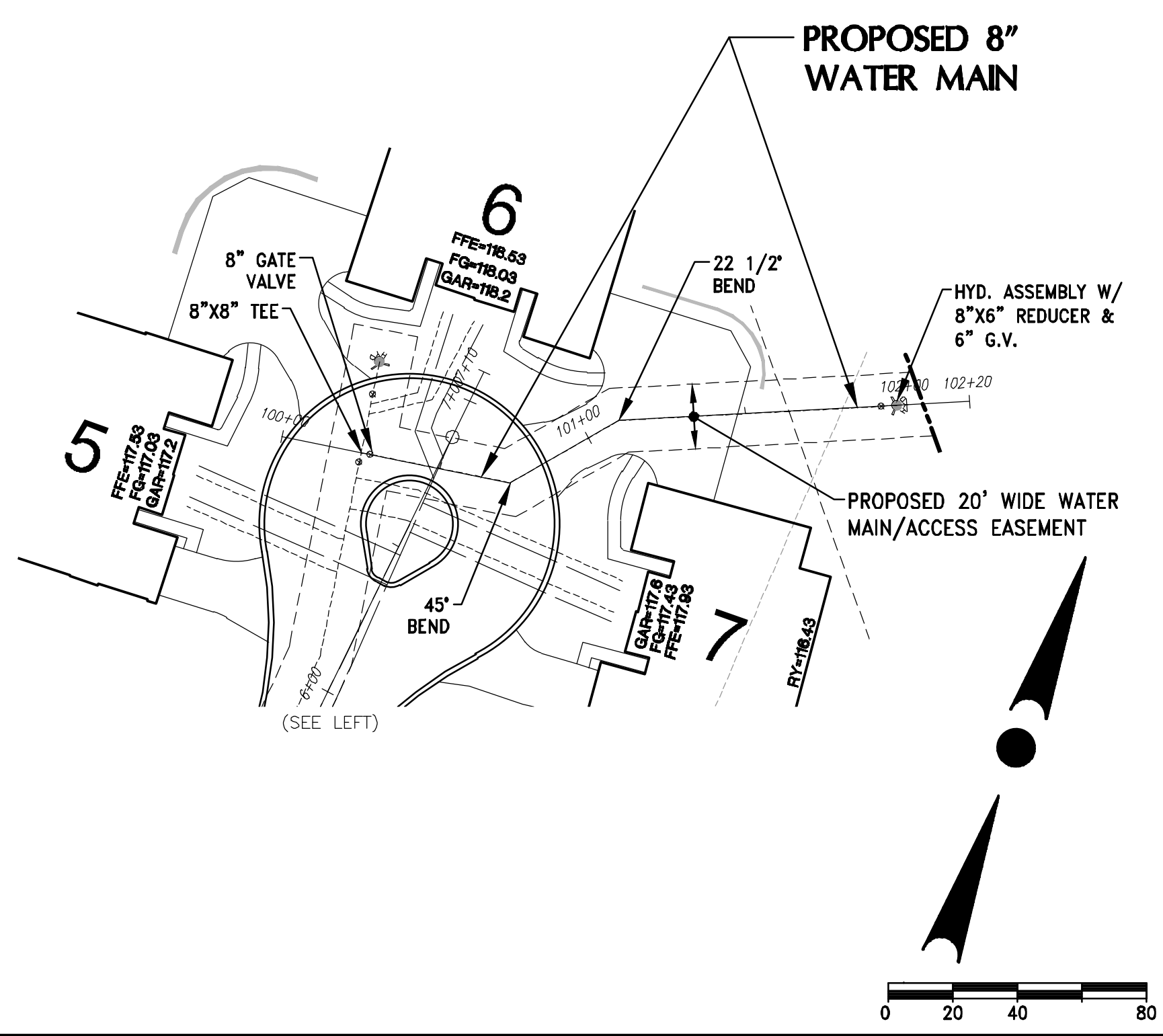
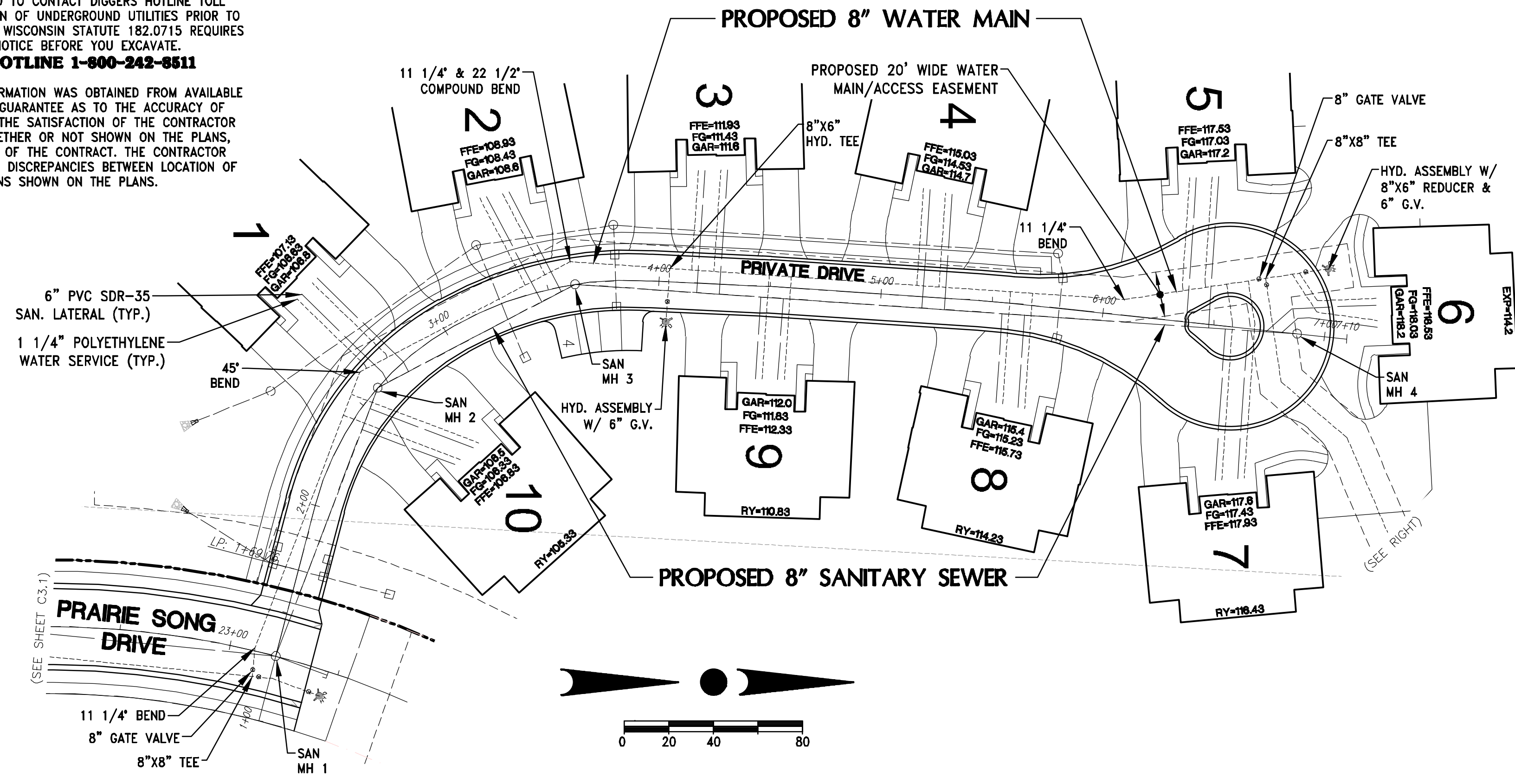
JOB NUMBER:
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DESCRIPTION:
 SANITARY SEWER
 & WATER MAIN
 PLAN & PROFILE

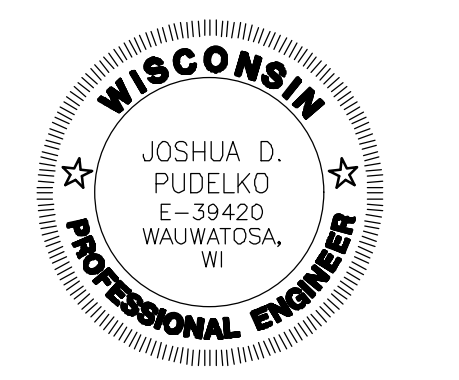
SHEET
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4100 N. CALHOUN ROAD, SUITE 300
BROOKFIELD, WI 53005
PHONE: (262) 790-1480
FAX: (262) 790-1481
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PROJECT:
PRAIRIE SONG VILLAS
CITY OF WAUKESHA, WISCONSIN
BY: **BIELNSKI COMMERCIAL, LLC.**
1890 MEADOW LN., SUITE A
PEWAUKEE, WI 53072

REVISION HISTORY

DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
NOVEMBER 11, 2019

JOB NUMBER:
01006

DESCRIPTION:
SANITARY SEWER & WATER MAIN PLAN & PROFILE

SHEET

C3.2

LEGEND:

- EXISTING CONTOUR
- SAN --- EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- W --- EXISTING WATER MAIN
- Y --- EXISTING HYDRANT
- ST --- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING STORM INLET
- EXISTING TRANSFORMER
- EXISTING ELECTRIC PEDESTAL
- EXISTING TELEPHONE PEDESTAL
- EXISTING CATV PEDESTAL
- ⚡ EXISTING POWER POLE
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- Y --- PROPOSED HYDRANT
- PROPOSED WATER VALVE
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- PROPOSED STORM MANHOLE
- PROPOSED STORM INLET
- ▬ PROPOSED STORM END SECTION

COMPACTION NOTE

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BACKFILL NOTES

TRENCH BACKFILL

- BACKFILL FOR ALL TRENCHES SHALL BE 1 1/4" CRUSHED LIMESTONE TB (SECTION 305.2.2.1 OF THE WISDOT STD. SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION) UNLESS OTHERWISE NOTED IN THE PROFILE OR IN THE PROJECT SPECIFICATION.

NOTE:
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NOTE:
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NOTE:
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NOTE:
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STORM SEWER MATERIAL NOTES

STORM SEWER

- ALL STORM SEWER WITHIN THE PUBLIC ROADWAY SHALL BE RCP (REINFORCED CONCRETE PIPE) WITH GASKETED JOINTS.
- ALL STORM SEWER OUTSIDE THE PUBLIC ROADWAY SHALL BE HDPE (HIGH DENSITY POLYETHYLENE) WITH WATER TIGHT JOINTS.

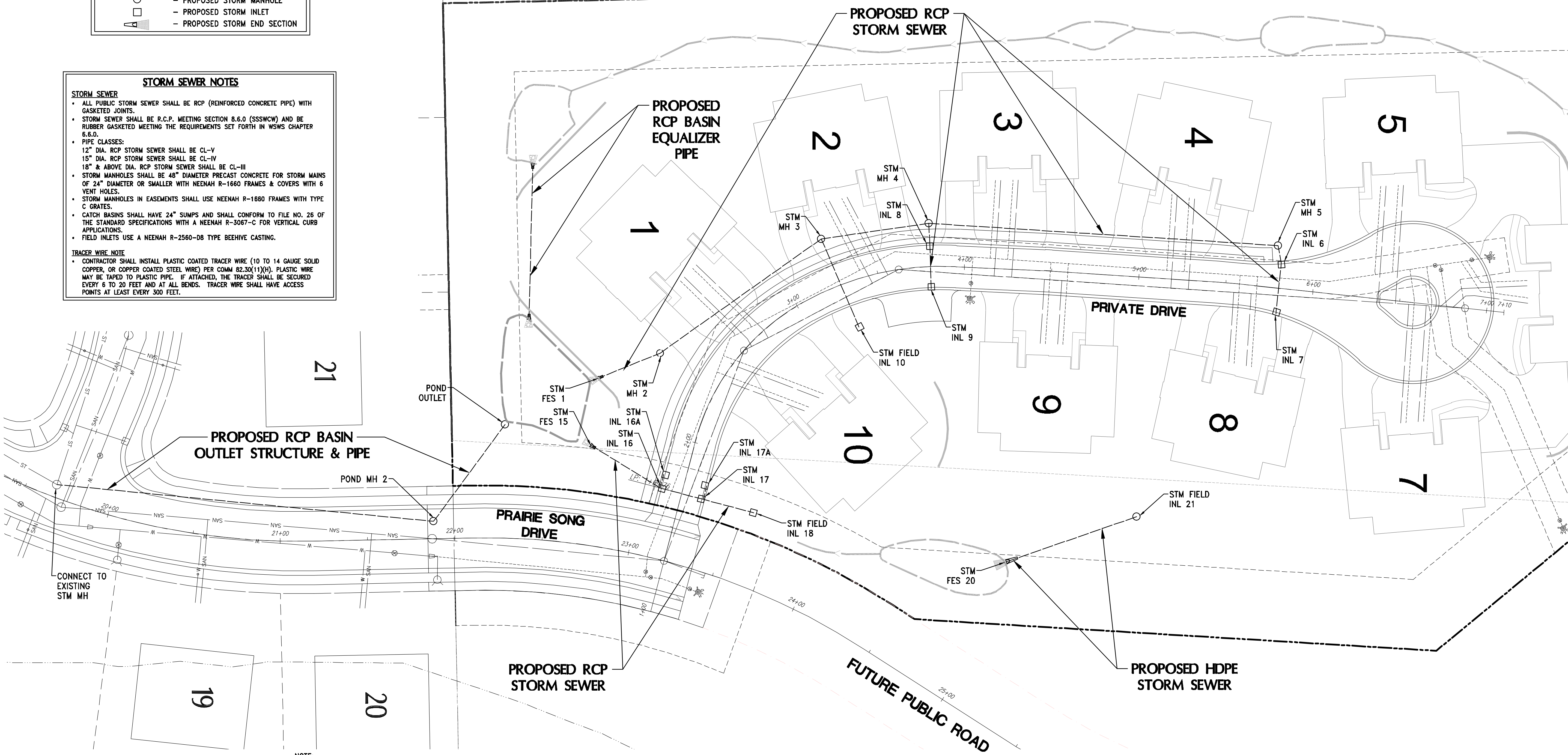
STORM SEWER NOTES

STORM SEWER

- ALL PUBLIC STORM SEWER SHALL BE RCP (REINFORCED CONCRETE PIPE) WITH GASKETED JOINTS.
- STORM SEWER SHALL BE R.C.P. MEETING SECTION 8.6.0 (SSSWCW) AND BE RUBBER GASKETED MEETING THE REQUIREMENTS SET FORTH IN WWSW CHAPTER 8.6.0.
- PIPE CLASSES:
12" DIA. RCP STORM SEWER SHALL BE CL-V
15" DIA. RCP STORM SEWER SHALL BE CL-IV
18" & ABOVE DIA. RCP STORM SEWER SHALL BE CL-III
- STORM MANHOLES SHALL BE 48" DIAMETER PRECAST CONCRETE FOR STORM MAINS OF 24" DIAMETER OR SMALLER WITH NENAH R-1660 FRAMES & COVERS WITH 6 VENT HOLES.
- STORM MANHOLES IN EASEMENTS SHALL USE NENAH R-1660 FRAMES WITH TYPE C GRATES.
- CATCH BASINS SHALL HAVE 24" SUMPS AND SHALL CONFORM TO FILE NO. 26 OF THE STANDARD SPECIFICATIONS WITH A NENAH R-3067-C FOR VERTICAL CURB APPLICATIONS.
- FIELD INLETS USE A NENAH R-2560-08 TYPE BEEHIVE CASTING.

TRACER WIRE NOTE

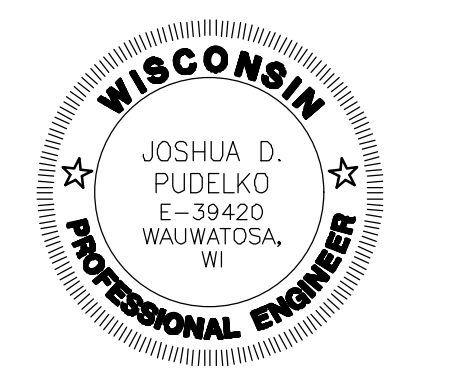
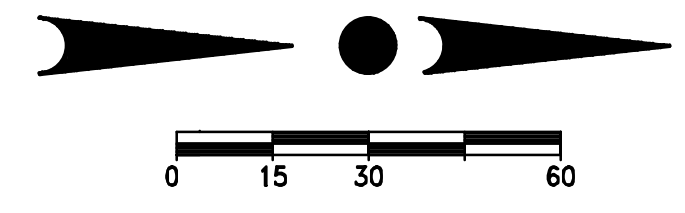
- CONTRACTOR SHALL INSTALL PLASTIC COATED TRACER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE) PER COMM 82.30(11)(H). PLASTIC WIRE MAY BE TAPED TO PLASTIC PIPE. IF ATTACHED, THE TRACER SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS. TRACER WIRE SHALL HAVE ACCESS POINTS AT LEAST EVERY 300 FEET.



H:\C900\966\01006-KENIG\CONSTRUCTION\PLANS\PRAIRIE_SONG_VILLAS_CIVIL_PRAIRIE_SONG_VILLAS_RD & STM_22X34.DWG

CONTRACTOR IS REQUIRED TO CONTACT DIGGERS HOTLINE TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING THE WORK. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE. CALL DIGGERS HOTLINE 1-800-242-8511

NOTE:
EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.



TRIO
DESIGN • LAND SURVEYING
CIVIL ENGINEERING

4100 N. CALHOUN ROAD, SUITE 300
BROOKFIELD, WI 53005
PHONE: (262) 790-1480
FAX: (262) 790-1481
EMAIL: info@trioeng.com

PROJECT:
PRAIRIE SONG VILLAS
CITY OF WAUKESHA, WISCONSIN
BY: **BIELINSKI COMMERCIAL, LLC.**
1890 MEADOW LN., SUITE A
PEWAUKEE, WI 53072

REVISION HISTORY

DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
NOVEMBER 11, 2019

JOB NUMBER:
01006

DESCRIPTION:
OVERALL
ROADWAY &
STORM SEWER
SYSTEM PLAN

SHEET

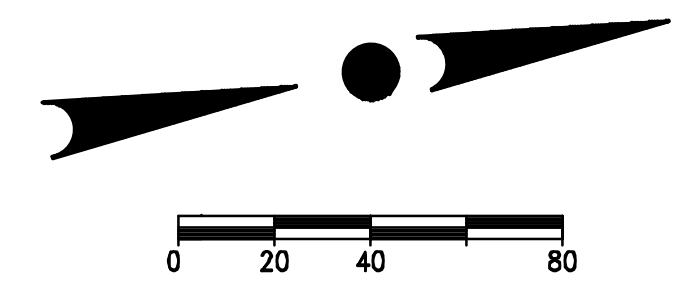
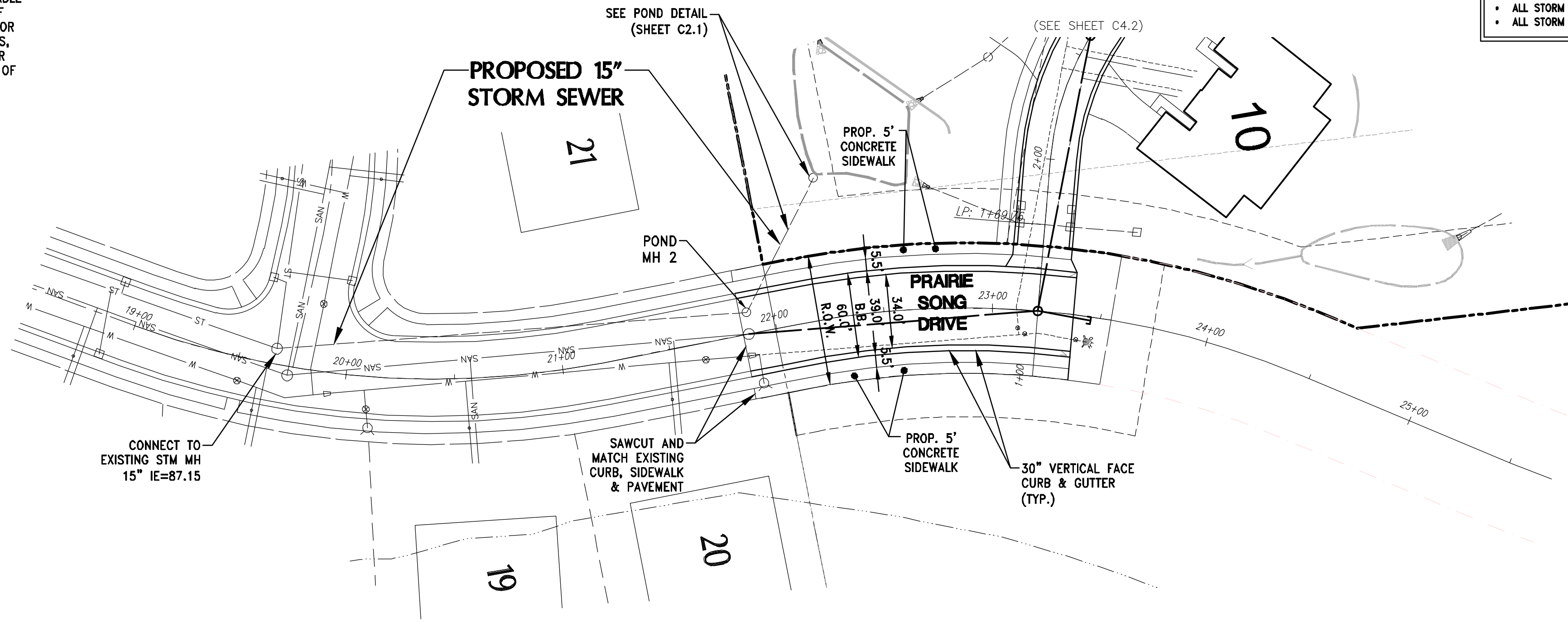
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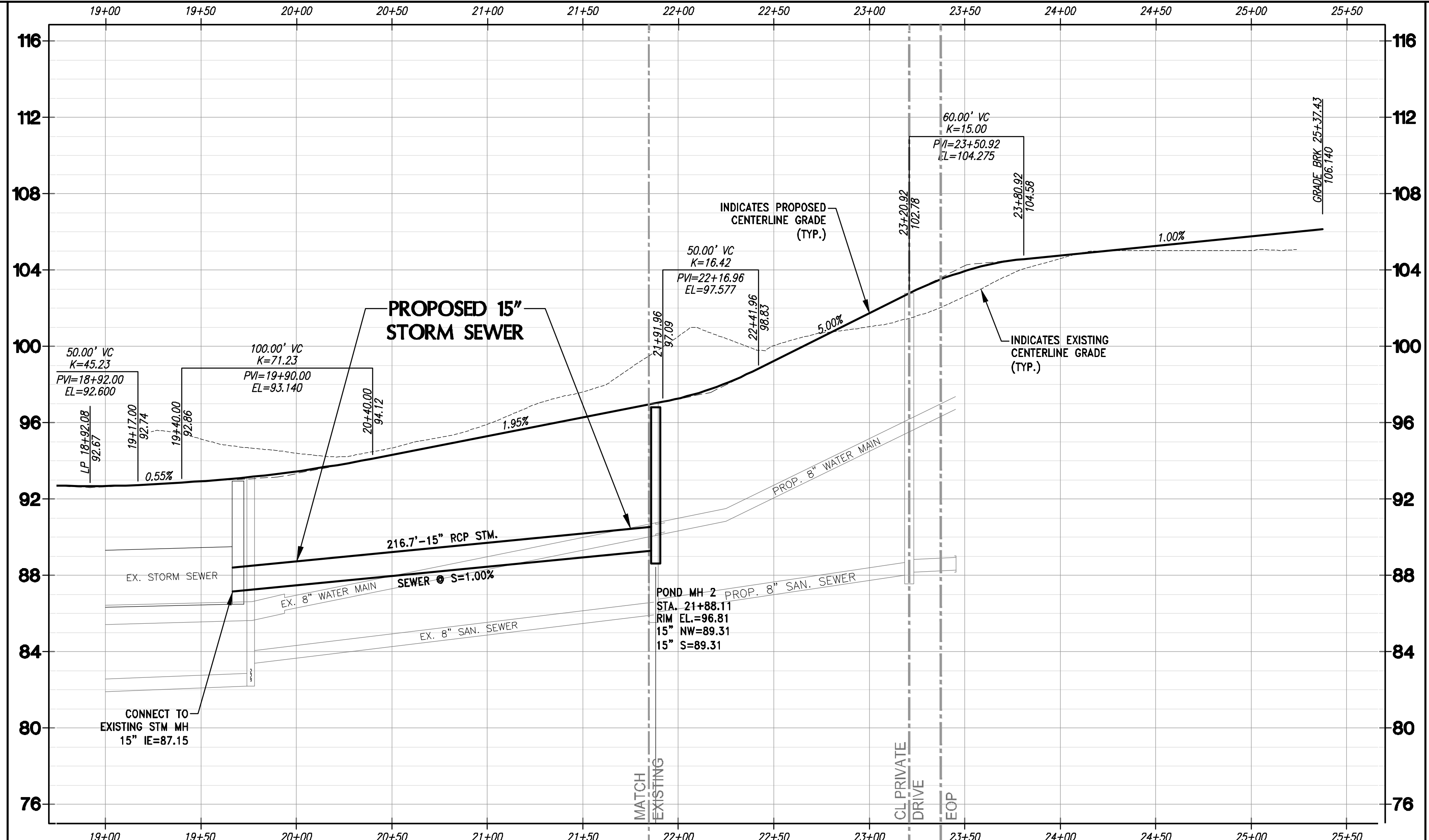
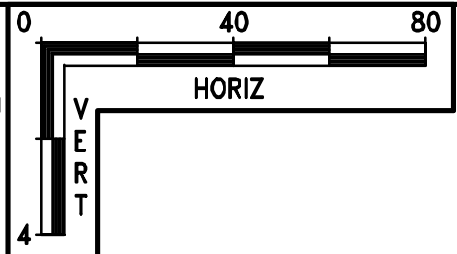
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STORM SEWER MATERIAL NOTES
 STORM SEWER
 • ALL STORM SEWER WITHIN THE PUBLIC ROADWAY SHALL BE RCP (REINFORCED CONCRETE PIPE) WITH GASKETED JOINTS.
 • ALL STORM SEWER OUTSIDE THE PUBLIC ROADWAY SHALL BE HDPE (HIGH DENSITY POLYETHYLENE) WITH WATER TIGHT JOINTS.



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PROJECT:
PRAIRIE SONG VILLAS
 CITY OF WAUKESHA, WISCONSIN
 BY: **BIELINSKI COMMERCIAL, LLC.**
 1890 MEADOW LN, SUITE A
 PEWAUKEE, WI 53072

REVISION HISTORY

DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
 NOVEMBER 11, 2019

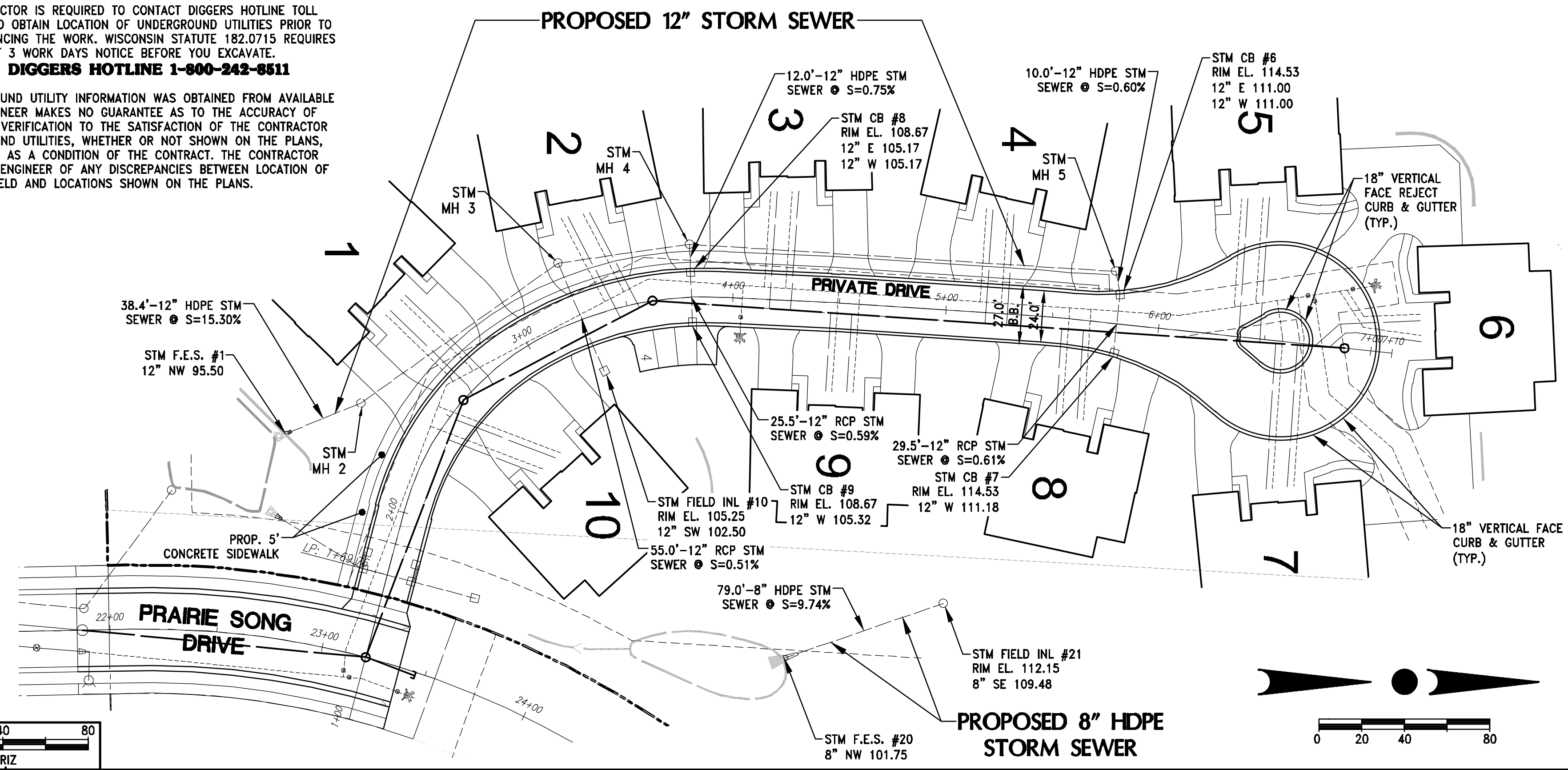
JOB NUMBER:
 01006

DESCRIPTION:
 ROADWAY &
 STORM SEWER
 PLAN & PROFILE

SHEET
C4.1

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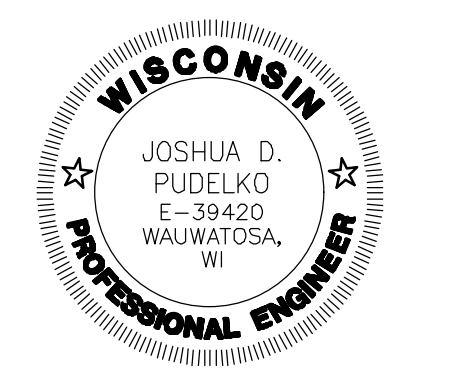
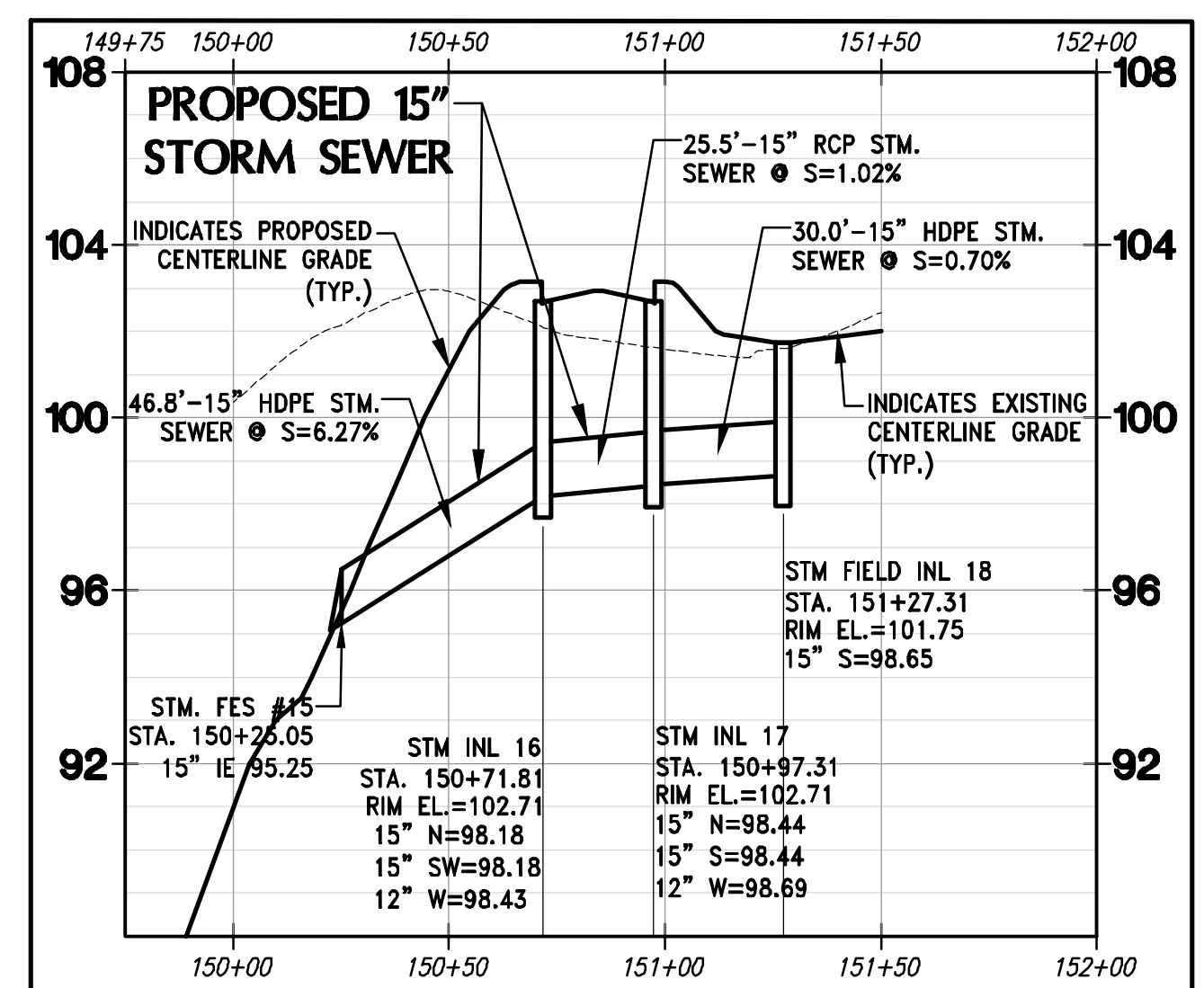
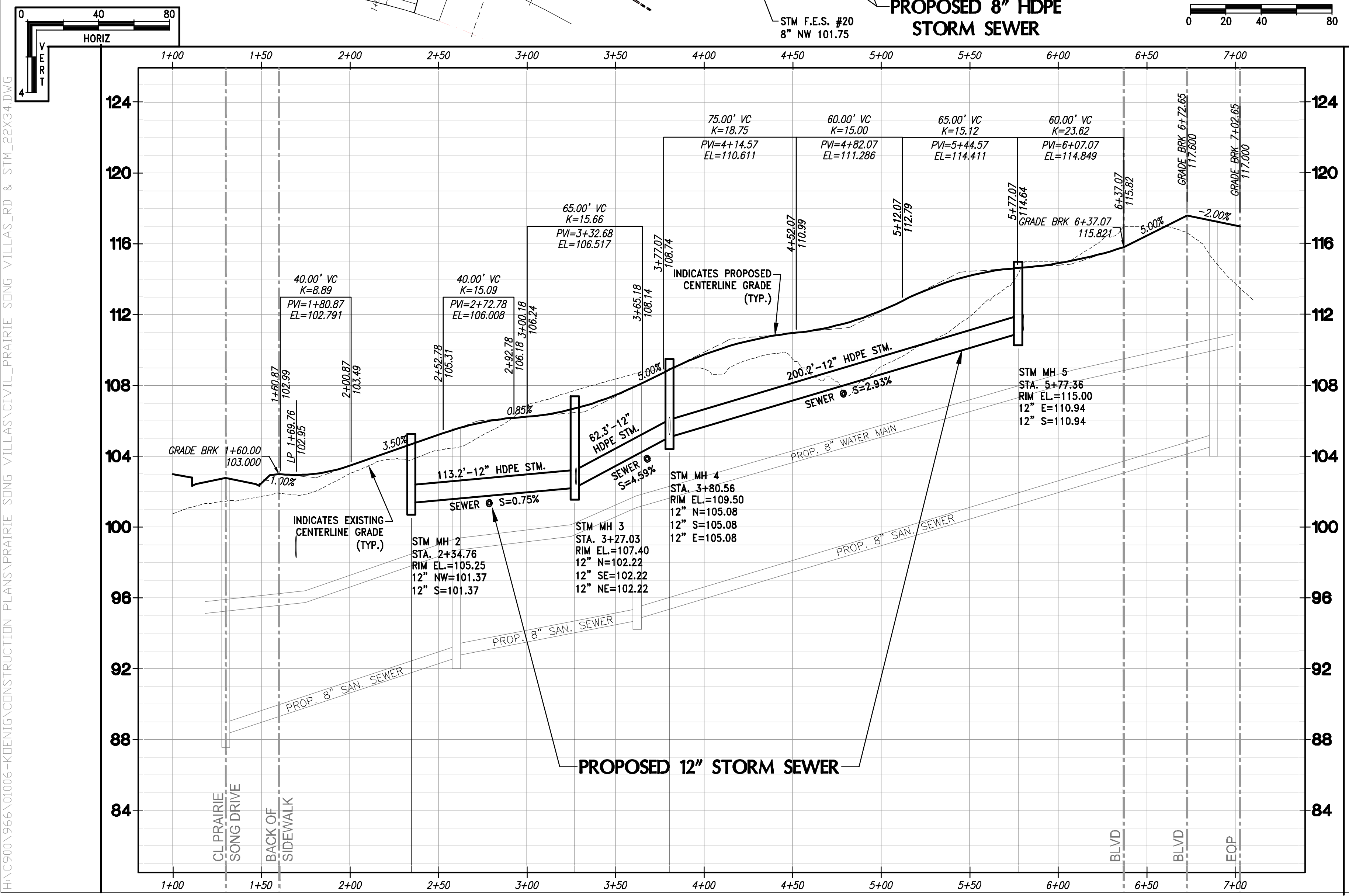
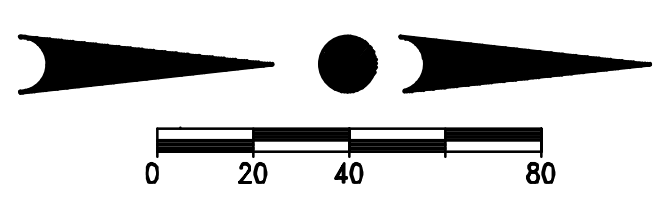
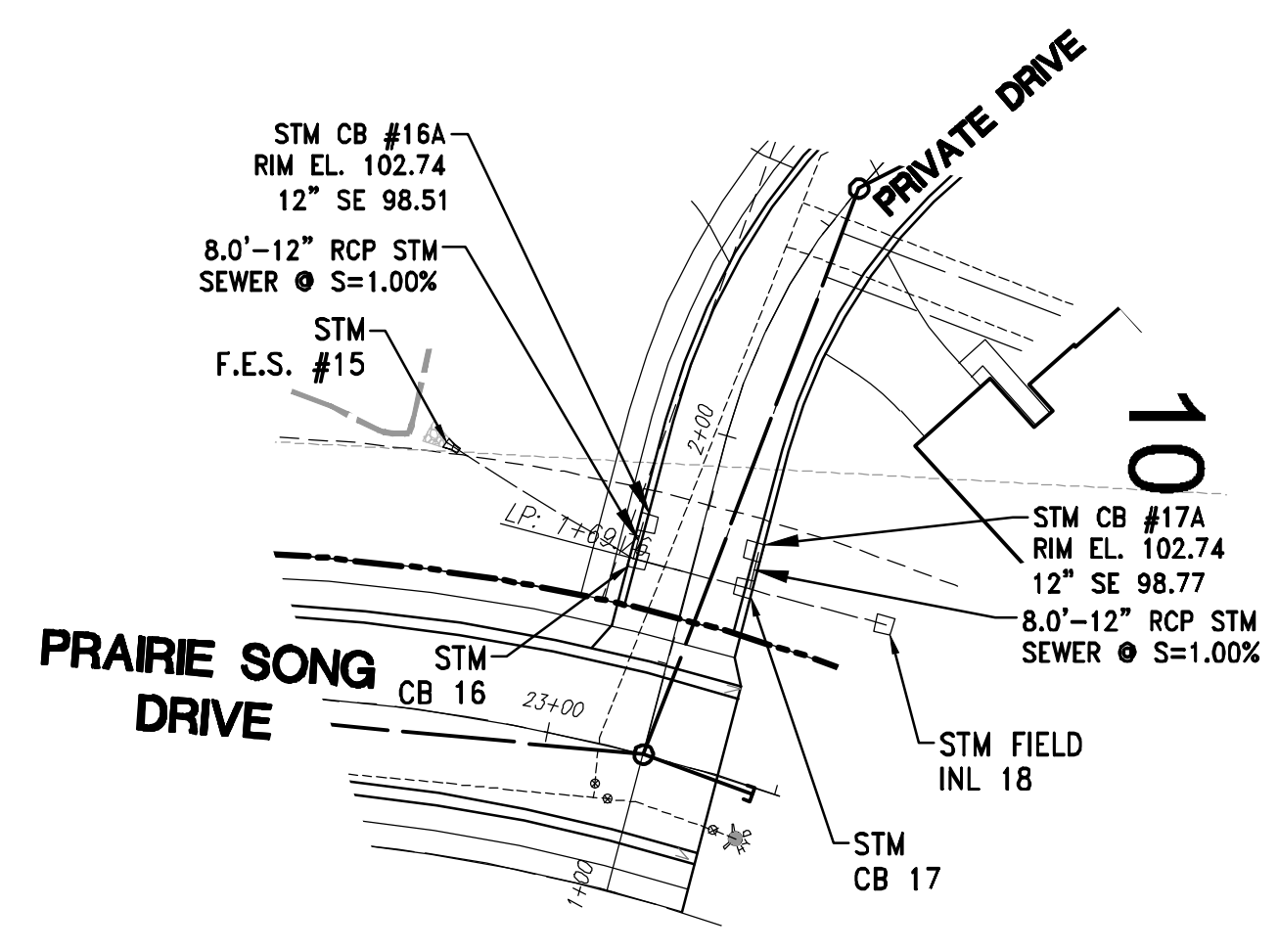
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 CITY OF WAUKESHA, WISCONSIN
 BY: **BIELNSKI COMMERCIAL, LLC.**
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REVISION HISTORY

DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
 NOVEMBER 11, 2019

JOB NUMBER:
 01006

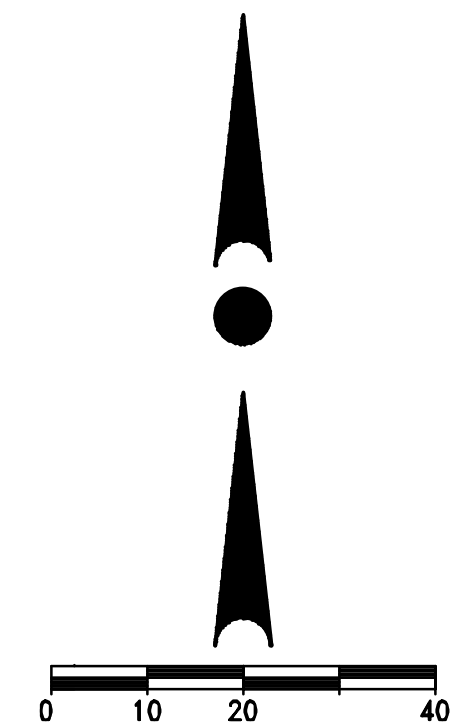
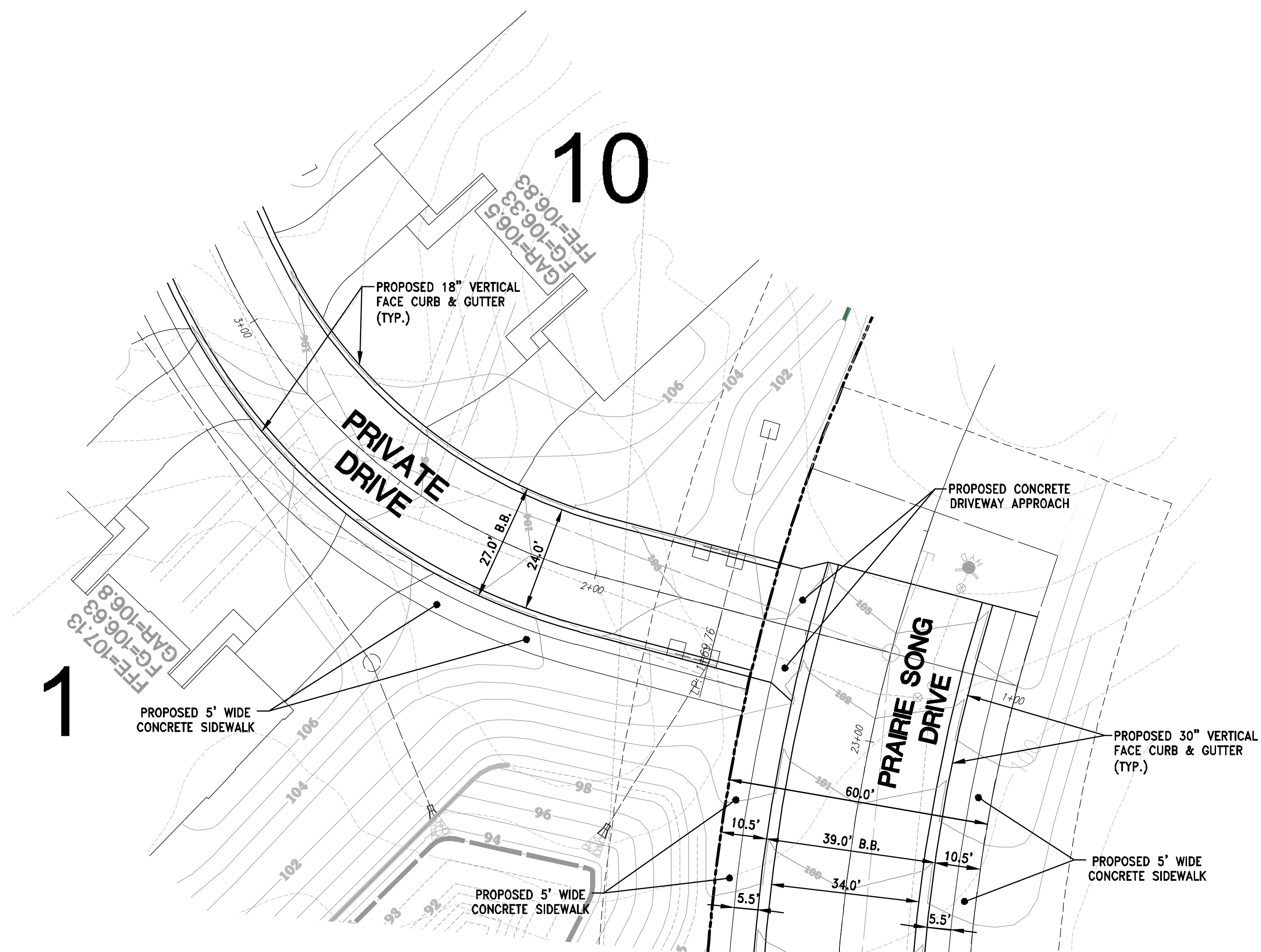
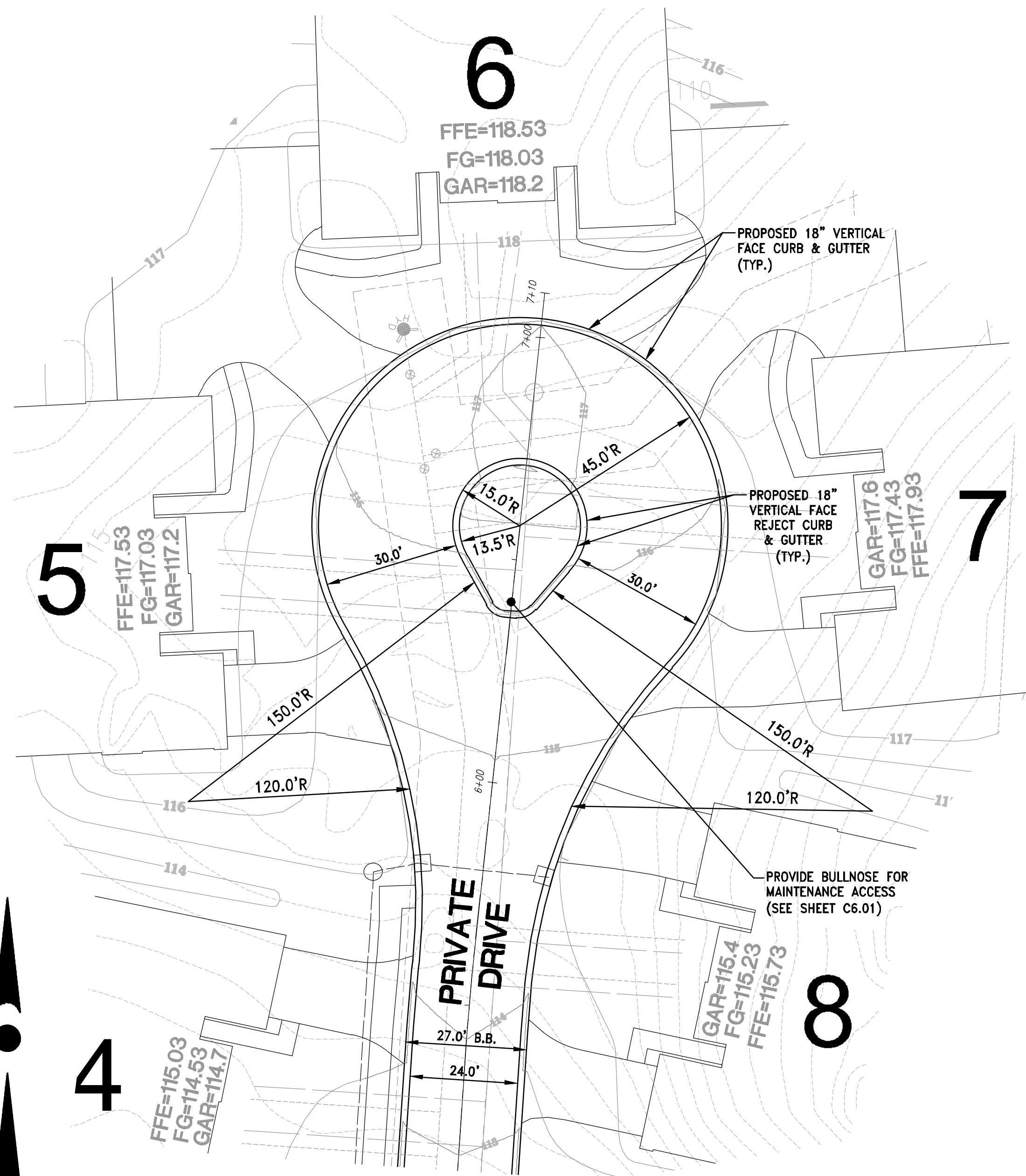
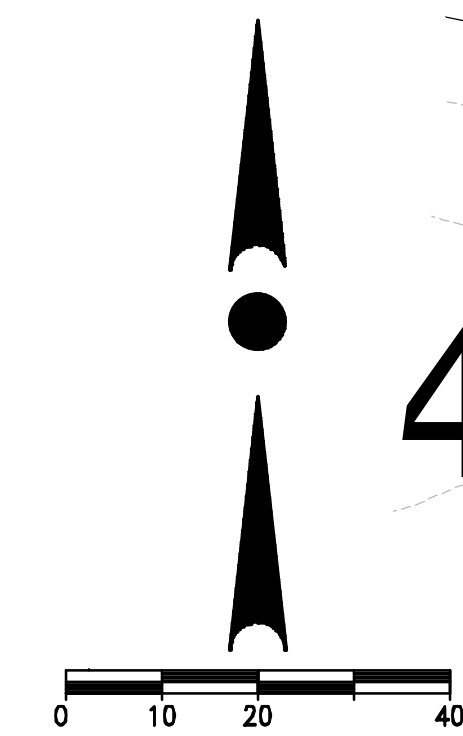
DESCRIPTION:
 ROADWAY &
 STORM SEWER
 PLAN & PROFILE

SHEET

C4.2

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H:\C900\966\01006-KENIG\CONSTRUCTION PLANS\RAIRIE SONG VILLAS\INTERSECTION_22X34.DWG



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REVISION HISTORY	
DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
 NOVEMBER 11, 2019

JOB NUMBER:
 01006

DESCRIPTION:
 INTERSECTION
 DETAILS

SHEET
C5.0



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CALL DIGGERS HOTLINE 1-800-242-8511

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COMPLIANT DOCUMENTATION:

THE LATEST EDITIONS OF THE FOLLOWING DOCUMENTS AND ANY SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS ON THIS PLAN UNLESS OTHERWISE NOTED.

- STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, 6TH EDITION (SSWCW)
- THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION
- WDR STORMWATER RUNOFF TECHNICAL STANDARDS.
- WISDOT PAL APPROVED EROSION CONTROL MEASURES LIST, LATEST EDITION.
- CITY OF WAUKESHA DEVELOPMENT STANDARDS, LATEST EDITION.

CONTRACTOR RESPONSIBILITY:

-EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD SURVEY. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.

-THE LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.

-THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTOR(S) TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THIS WORK. THE CONTRACTOR SHALL ALSO BE SOLELY RESPONSIBLE FOR ALL REQUIRED PERMITS, UNLESS OTHERWISE SPECIFIED.

-THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER AS CONSTRUCTION ACTIVITIES ARE COMPLETED TO PROVIDE CONSTRUCTION OVERSIGHT AND INSPECTION IN ACCORDANCE WITH THE CONSTRUCTION INSPECTION PLAN.

-THE OWNER WILL PROVIDE ALL SURVEYING AND CONSTRUCTION STAKING FOR THIS CONTRACT. THE CONTRACTOR SHALL EXERCISE CARE AND DILIGENCE IN PROTECTING THE SAME. ANY EXPENSE INCURRED FOR ADDITIONAL RESTAKING CAUSED BY CONTRACTOR'S NEGLIGENCE MAY BE CHARGED TO THE CONTRACTOR AND DEDUCTED FROM THE SUMS DUE HIM UNDER THIS CONTRACT.

-ALL TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

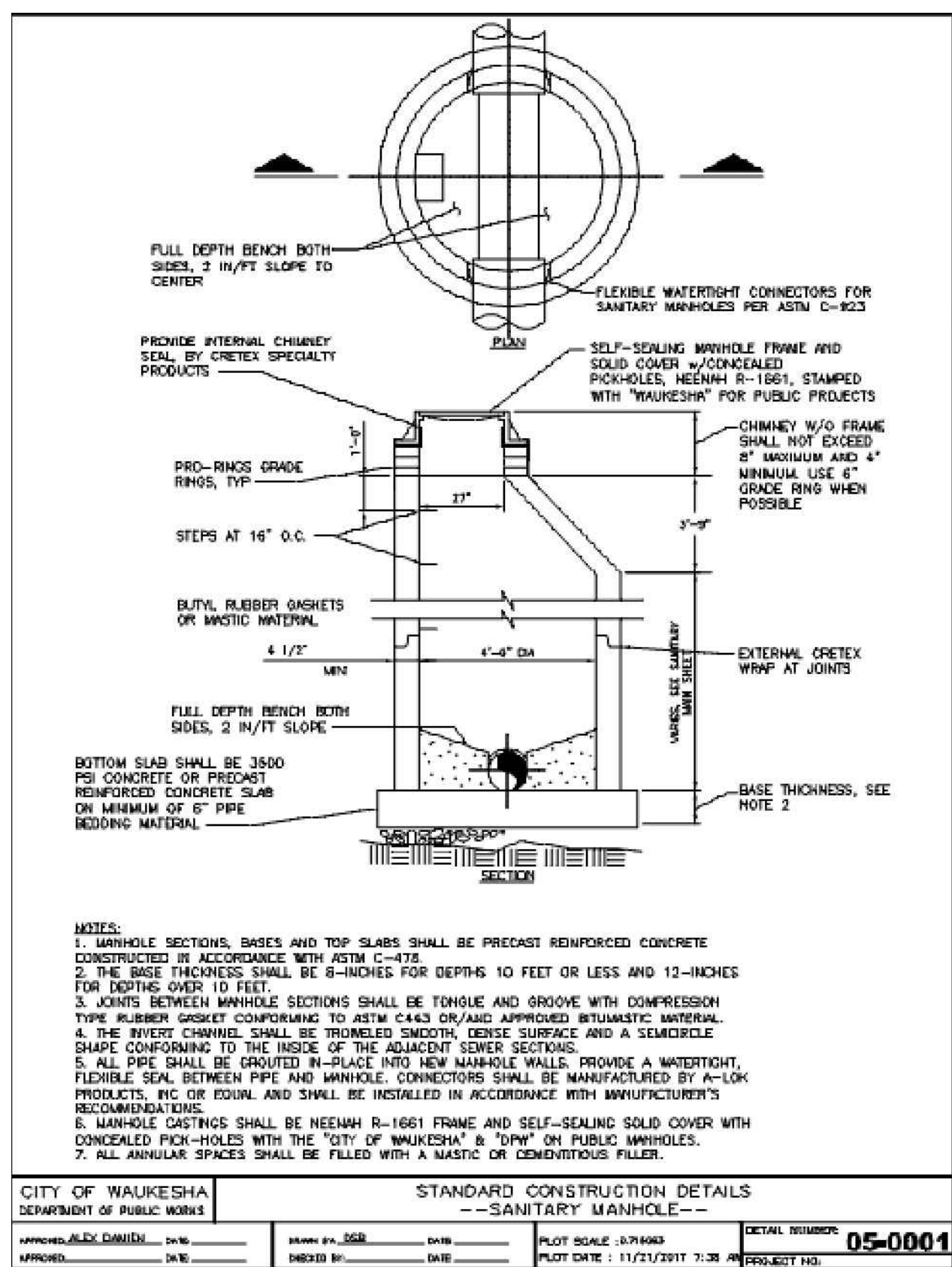
-CONTRACTOR SHALL BE PREPARED FOR DEWATERING CONDITIONS BY HAVING APPROPRIATE PUMPS AND FILTER BAGS ON-SITE FOR DEWATERING AND REMOVAL OF ALL SEDIMENT PER CITY, COUNTY AND WDR REQUIREMENTS PER TECHNICAL STANDARD 1061.

TRAFFIC CONTROL:

-PUBLIC ROADS SHALL NOT BE FULLY CLOSED TO TRAFFIC AT ANY TIME. ALL INGRESS AND EGRESS TRAFFIC TO THE PROJECT SHALL BE LIMITED TO THE GRAVEL ENTRANCE TO THE PROPERTY.

CONSTRUCTION NOTES:

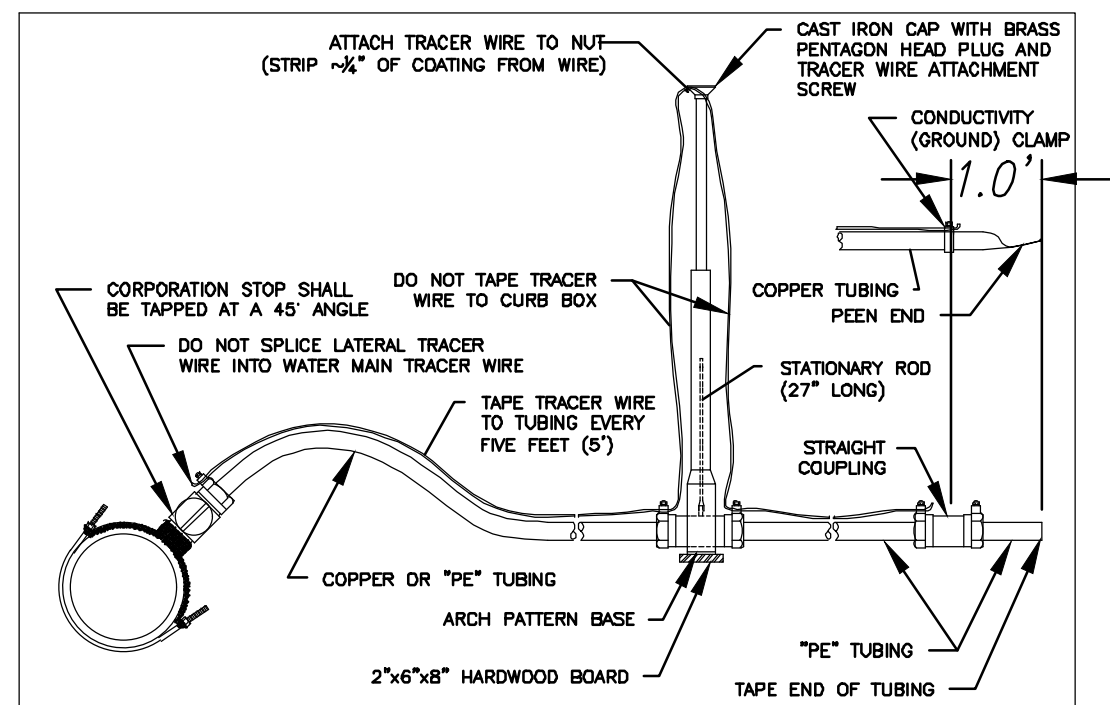
- ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, STATE OF WISCONSIN, LATEST EDITION, UNLESS OTHERWISE CALLED FOR ON THE PLANS, SPECIFICATIONS OR SPECIAL PROVISIONS.
- ALL EROSION CONTROL MEASURES SPECIFIED ON THIS PLAN SHALL MEET THE DESIGN CRITERIA, STANDARDS AND SPECIFICATIONS AS SET FORTH IN THE DEPARTMENT OF NATURAL RESOURCES WISCONSIN BEST MANAGEMENT PRACTICE HANDBOOK AND TECHNICAL STANDARDS.
- ALL EROSION CONTROL DEVICES (I.E., SILT FENCE, SILT SOCK, GRAVEL ENTRANCE, SILTATION BASIN, ETC.), SHALL BE INSTALLED PRIOR TO COMMENCING ANY GRADING OR UTILITY CONSTRUCTION. GRADING ASSOCIATED WITH INSTALLATION OF EROSION OR SEDIMENTARY PRACTICES MAY OCCUR CONCURRENTLY WITH INSTALLATION OF PRACTICES.
- ALL ACTIVITIES ON THE SITE SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME. REFER TO THE CONSTRUCTION SEQUENCING PLAN FOR ADDITIONAL INFORMATION.
- THE OWNER IS RESPONSIBLE FOR OBTAINING A GRADING AND/OR EROSION CONTROL PERMIT (OR ANY OTHER APPLICABLE PERMITS) PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE, ALL TOWN UTILITY DEPARTMENTS, AND GOVERNMENT UNITS WHOSE PROPERTY MAY BE AFFECTED BY THE CONTRACTOR'S OPERATIONS AT LEAST THREE (3) DAYS BEFORE BREAKING GROUND. DIGGERS HOTLINE NUMBER IS 1-800-242-8511.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CLEANLINESS OF THE PROJECT AND PUBLIC ROADWAYS DURING CONSTRUCTION PER THE REQUIREMENTS SET FORTH BY THE LOCAL AND COUNTY AGENCIES. STREETS SHALL BE KEPT FREE OF SILT OR DIRT TRACKED FROM AREAS UNDER CONSTRUCTION BY SWEEPING OR OTHER APPROPRIATE MEASURES. DUST GENERATED BY CONSTRUCTION ACTIVITIES SHALL BE MINIMIZED BY USE OF WATERING, CALCIUM CHLORIDE SURFACE TREATMENT, CONSTRUCTION SCHEDULING OR OTHER APPROPRIATE METHODS.
- INLETS SHALL BE PROTECTED WITH AN EROSION BARRIER MEETING WDR TECHNICAL STANDARD 1060 UNTIL THE AREA HAS BEEN STABILIZED. FREQUENT INSPECTION AND TIMELY MAINTENANCE IS REQUIRED.
- UPON COMPLETION OF THE WORK AS SPECIFIED, RESPREAD A MINIMUM OF FOUR (4") INCHES OF SALVAGED TOPSOIL OVER ALL DISTURBED AREAS AND PROVIDE SEED, FERTILIZER AND MULCH PER THE STANDARD SPECIFICATIONS.
- ALL DISTURBED AREAS SHALL BE REVEGETATED WITHIN SEVEN DAYS AFTER BEING DISTURBED USING THE SEED MIX SPECIFIED ON THE PLANS.
- ALL EROSION CONTROL DEVICES SHALL BE ROUTINELY INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HOURS OF A RAINFALL GREATER THAN 0.5 INCHES. CONTRACTOR IS REQUIRED TO PERFORM INSPECTIONS, KEEP A LOG, AND REPAIR BMP'S AS NEEDED.
- REFER TO EROSION CONTROL PLAN FOR SITE EROSION CONTROL ELEMENTS, REQUIREMENTS.



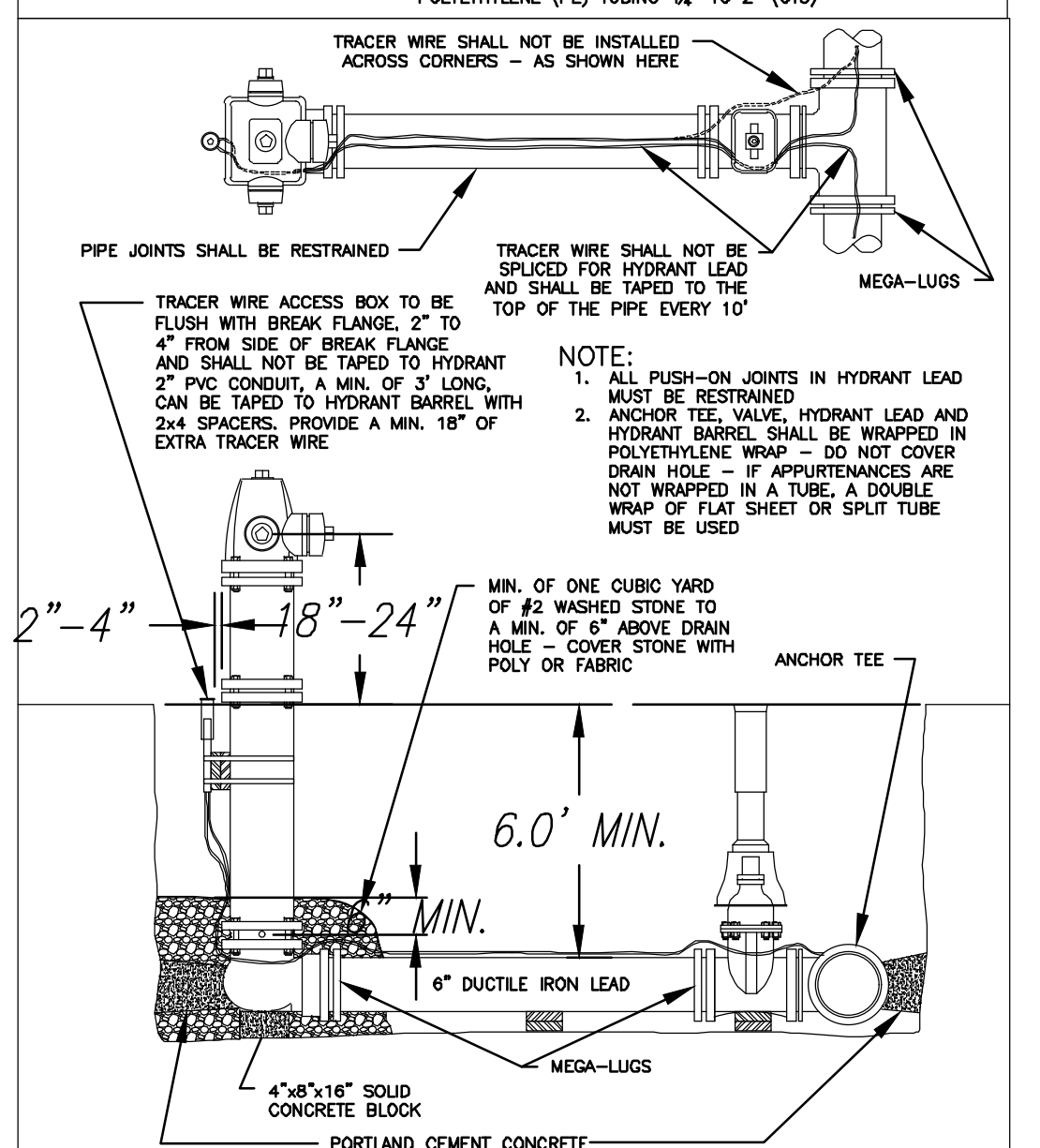
NOTES:

- MANHOLE SECTIONS, BASES AND TOP SLABS SHALL BE PRECAST REINFORCED CONCRETE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.
- THE BASE THICKNESS SHALL BE 6-INCHES FOR DEPTHS 10 FEET OR LESS AND 12-INCHES FOR DEPTHS OVER 10 FEET.
- JOINTS BETWEEN MANHOLE SECTIONS SHALL BE TONGUE AND GROOVE WITH COMPRESSIBLE TYPE RUBBER GASKET CONFORMING TO ASTM C-108 OR APPROVED EQUIVALENT MATERIAL.
- THE INVERT CHANNEL SHALL BE TRIMMED SMOOTH, DENSE SURFACE AND A SEMICIRCLE SHAPE CONFORMING TO THE INSIDE OF THE ADJACENT SEWER SECTIONS.
- ALL PIPE SHALL BE GROUNDED IN-PLACE INTO NEW MANHOLE WALLS. PROVIDE A WATER-TIGHT, FIDELITY SEAL BETWEEN PIPE AND MANHOLE. CONNECTIONS SHALL BE MANUFACTURED BY A-LOK PRODUCTS, INC. OR EQUIV. AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- MANHOLE CASTINGS SHALL BE MEDIUM R-1661 FRAME AND SELF-SEALING SOLID COVER WITH CONCEALED PICK-HOLES WITH "CITY OF WAUKESHA" & "DIPY" ON PUBLIC MANHOLES.
- ALL ANNULAR SPACES SHALL BE FILLED WITH A MASTIC OR CONDENSIBLE FILLER.

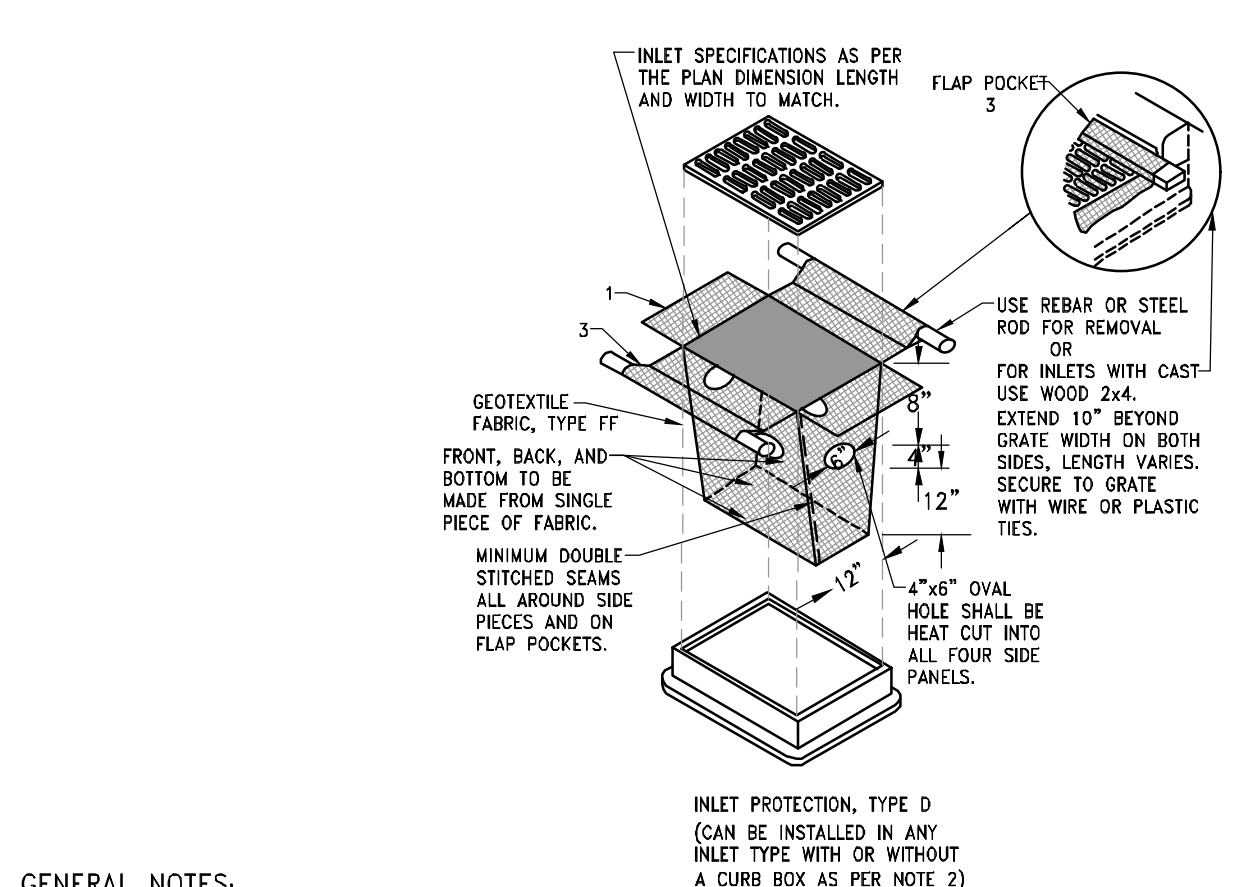
CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	STANDARD CONSTRUCTION DETAILS -- SANITARY MANHOLE --	DETAIL NUMBER 05-0001
APPROVED: JLD/DMH	DESIGNED BY: JSD	PROJECT NO.
DATE: 11/21/2017	DATE: 11/21/2017	3:38



WATER SERVICE LATERALS FIGURE 1



STANDARD HYDRANT INSTALLATION FIGURE 2



GENERAL NOTES:

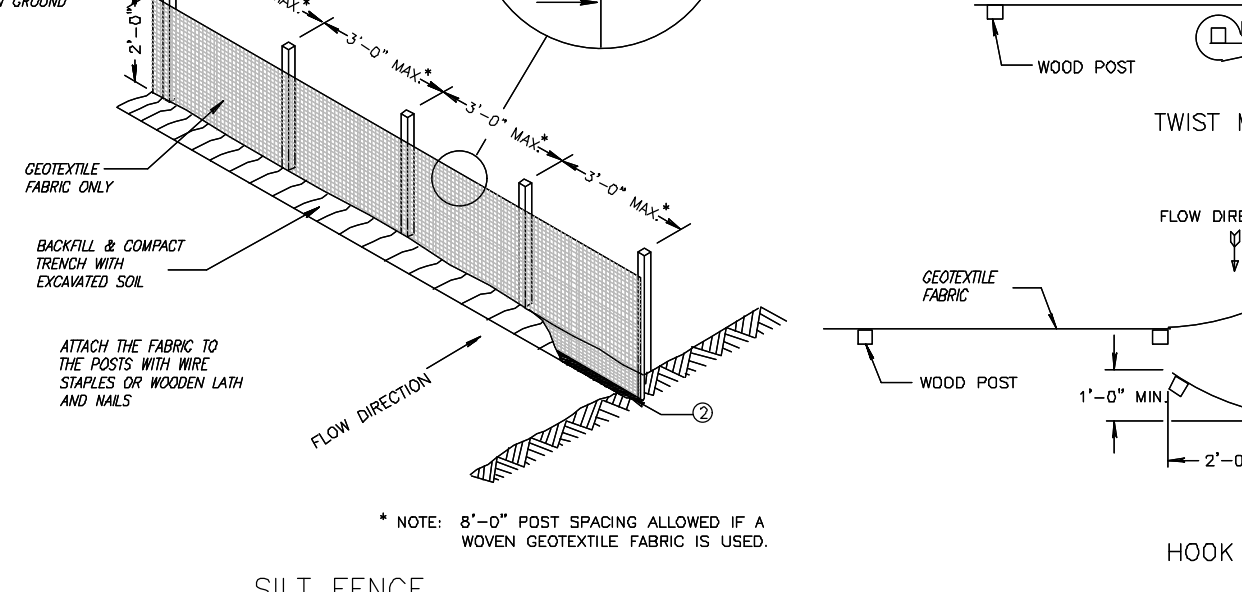
- MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
- WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
- FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES:

TYPE D DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

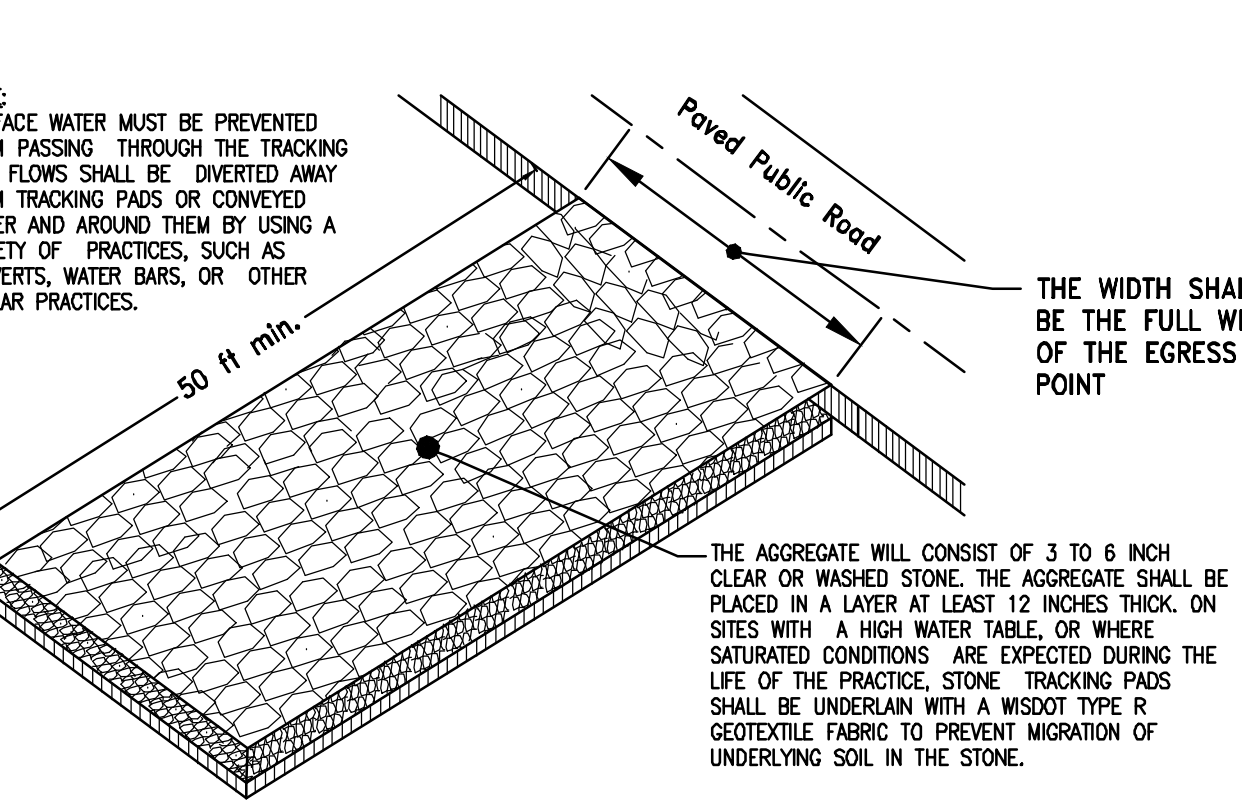


GENERAL NOTES:

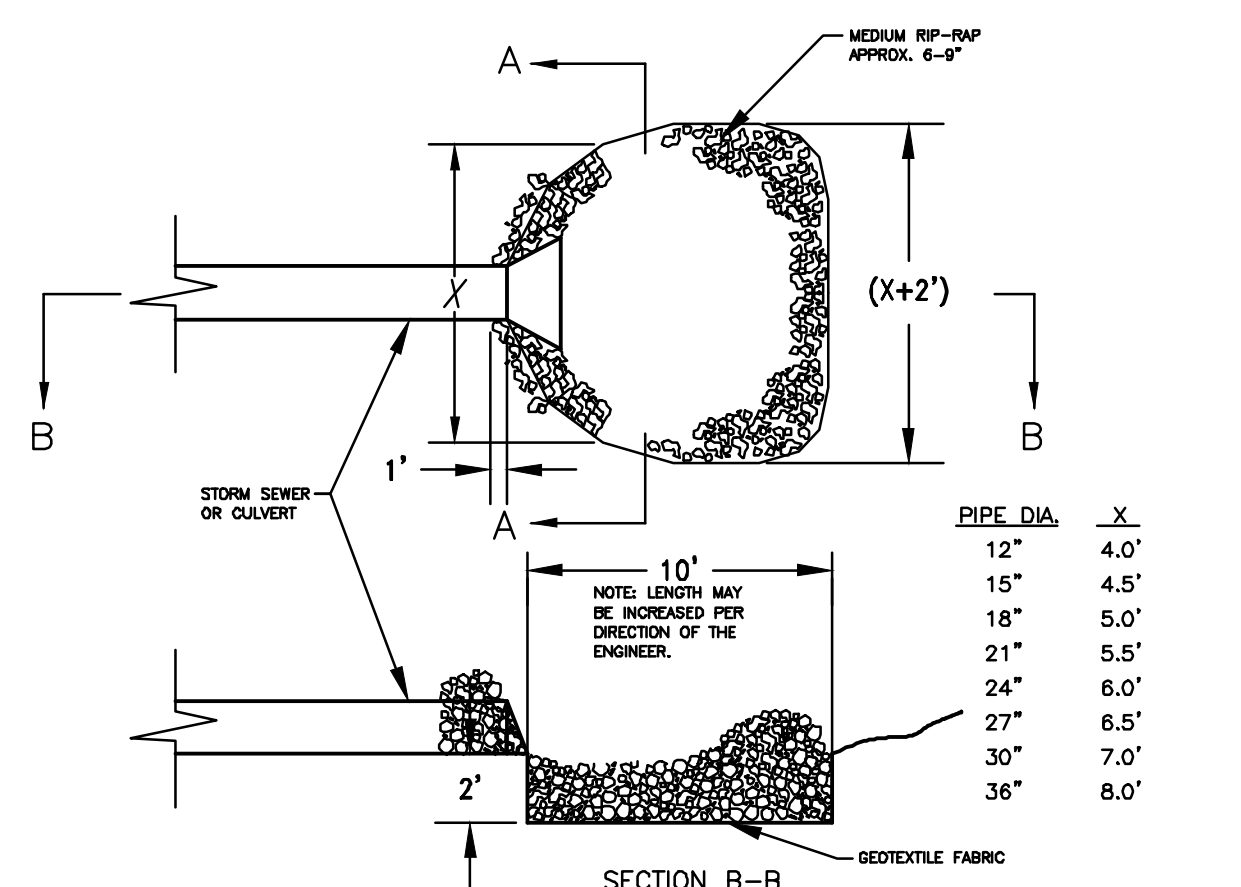
- HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD FABRIC TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1" X 1" OF OAK OR HICKORY.
- SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- CONSTRUCT SILT SOCK FROM A CONDENSIBLE BALL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TIES, OR B) TIE; AT LEAST 100 DEGREES; B) HOOK THE END OF EACH SILT FENCE LENGTH.

SILT FENCE INSTALLATION DETAIL

NO SCALE



CONSTRUCTION ENTRANCE DETAIL



GENERAL NOTES:

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TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

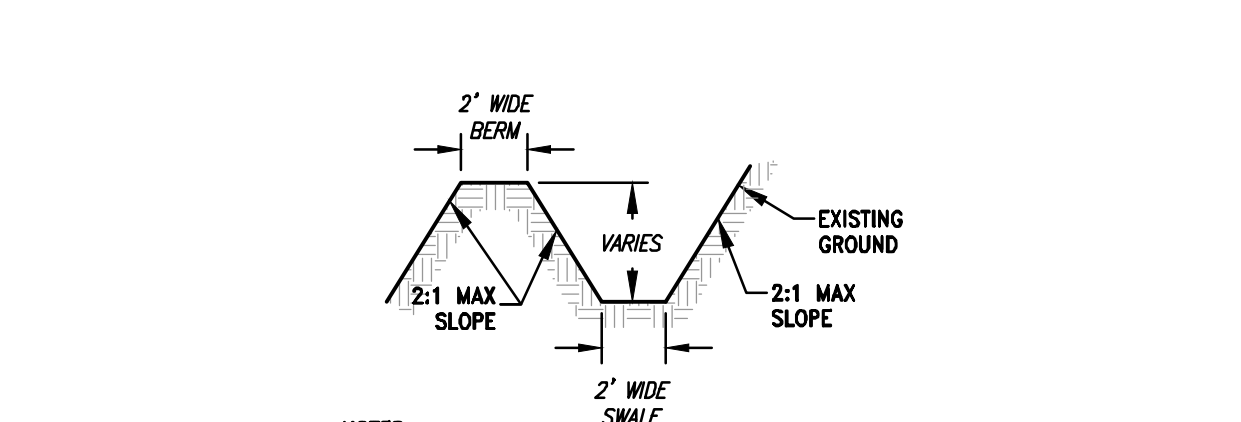


GENERAL NOTES:

- ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS
- REFER TO MANUFACTURERS AND/OR SUPPLIERS. SPECIFICATIONS FOR INSTALLATION RECOMMENDATIONS.
- ACTUAL LOCATION MAY BE FIELD ADJUSTED TO MINIMIZE DISTURBANCE TO EXISTING VEGETATION.

SILT SOCK DETAIL

NO SCALE



GENERAL NOTES:

- TEMPORARY SEED/EROSION MAT/STABILIZE BERMS AND DITCHES IMMEDIATELY AS ANY SECTION IS COMPLETED PER WISDOT STD. SPEC.
- REFER TO WISCONSIN DNR TECHNICAL STANDARD 1066 FOR ADDITIONAL INFORMATION.

DIVERSION BERM/SWALE DETAIL

NO SCALE

TEMPORARY DEWATERING GEOTEXTILE BAG

1. IF DEWATERING IS REQUIRED, A GEOTEXTILE DEWATERING BAG MEETING THE SPECIFICATIONS IN THE TABLE TO THE RIGHT SHALL BE UTILIZED AS STATED ON THE EROSION CONTROL PLAN.		
2. REFER TO WDR TECHNICAL STANDARDS 1061 AND MANUFACTURERS REQUIREMENTS FOR INSTALLATION AND MAINTENANCE REQUIREMENTS.		
3. CONTRACTOR MAY USE THRACE-LINQ, INC 275EX GEOTEXTILE BAG, OR FUNCTIONAL EQUIVALENT TO MEET TECHNICAL STANDARD REQUIREMENTS.		
4. CONTRACTOR MAY INSTALL HAY BALES AROUND DEWATERING BAG FOR STABILIZATION AS DICTATED BY SITE CONDITIONS.		
5. MAX FLOW RATE SHALL NOT EXCEED 70GPM		
6. GEOTEXTILE BAG SHALL BE LOCATED ON UNDISTURBED GROUND WITH ESTABLISHED VEGETATIVE COVER. DISCHARGES OF TREATED WATER FROM THE GEOTEXTILE FILTER BAG SHALL NOT FLOW OVER UNSTABILIZED GROUND.		

Property	Test Method	Type I Value
Maximum Apparent Opening Sizes	ASTM D-4751	0.212 mm
Grab Tensile Strength	ASTM D-4632	200 lbs.
Mullen Burst	ASTM D-3786	350 psi
Permeability	ASTM D-4491	0.28 cm/sec
Fabric	Nominal Representative Weight	8 oz



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PROJECT:
PRAIRIE SONG VILLAS
CITY OF WAUKESHA, WISCONSIN
BY: BIELNSKI COMMERCIAL, LLC.
1890 MEADOW LN, SUITE A
PEWAUKEE, WI 53072

REVISION HISTORY

DATE	DESCRIPTION	CITY SUBMITTAL
11/19/19		

DATE:
NOVEMBER 11, 2019

JOB NUMBER:
01006

DESCRIPTION:
CONSTRUCTION DETAILS

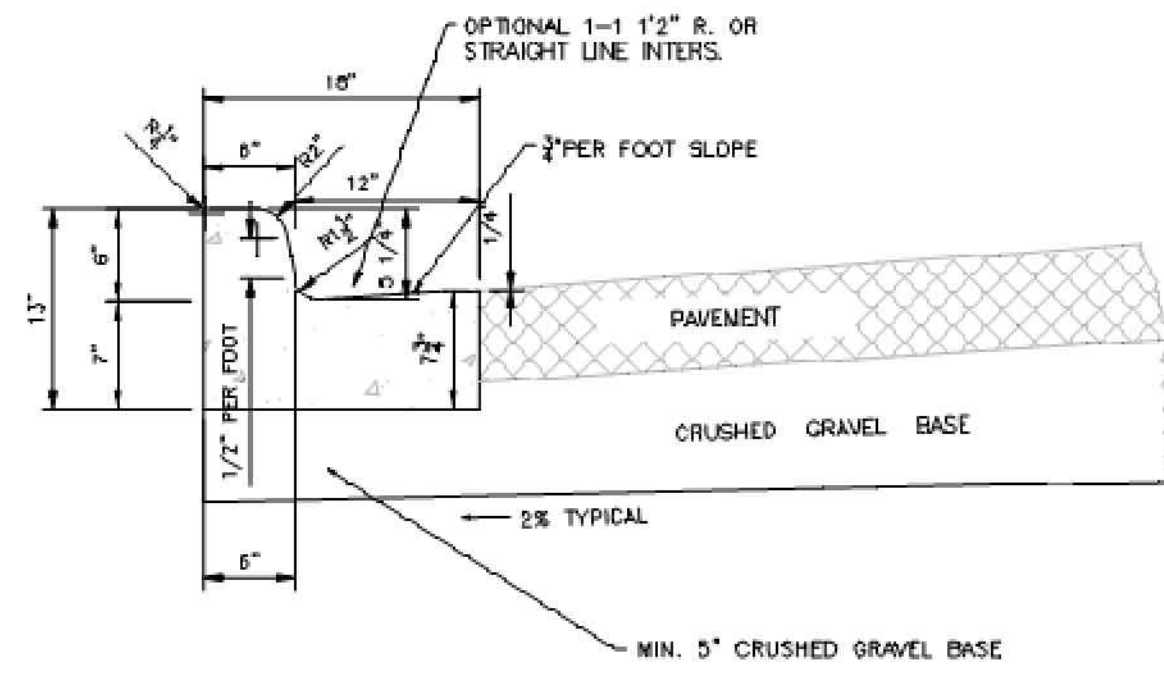
SHEET

C6.0

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NOTE: AT ALL HANDICAP RAMP LOCATIONS THE CROSS SLOPE OF THE FLANGE CANNOT EXCEED 1/4"/FT. THIS MUST BE MAINTAINED THE WIDTH OF THE RAMP. TRANSITION A MINIMUM 5 FT. ALONG THE FACE OF THE FLANGE ON EITHER SIDE OF THE RAMP TO THE TYPICAL CROSS SLOPE.

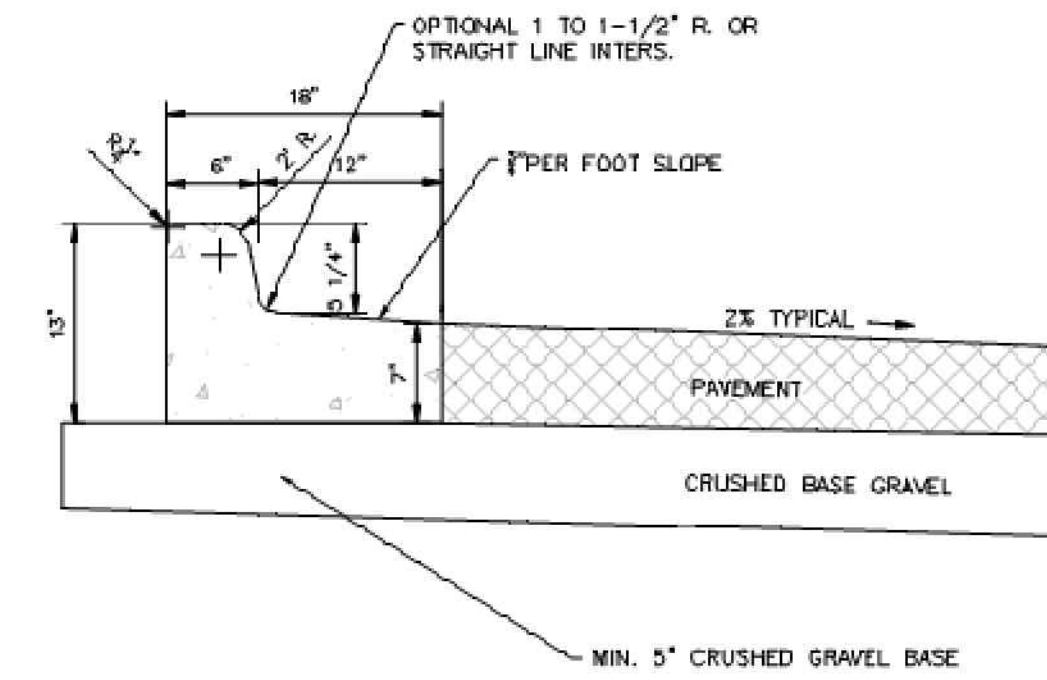
NOTE: WHEN TYPE "A" CURB AND GUTTERS USED WITH CONCRETE PAVEMENT THE CURB AND GUTTER SHALL BE TIED TO THE PAVEMENT WITH NO. 4, 2'-0" DEFORMED EPOXY-COATED REBAR SPACED AT 3'-0" C. TO C.



CITY OF WAUKESHA
DEPARTMENT OF PUBLIC WORKS
STANDARD CONSTRUCTION DETAILS
18-INCH TYPE A
APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: JAW DATE: _____ PLOT SCALE: 1" = 1' PLOT DATE: 11/27/2017 9:34 AM PROJECT NO: 07-0340
CHECKED BY: _____ DATE: _____

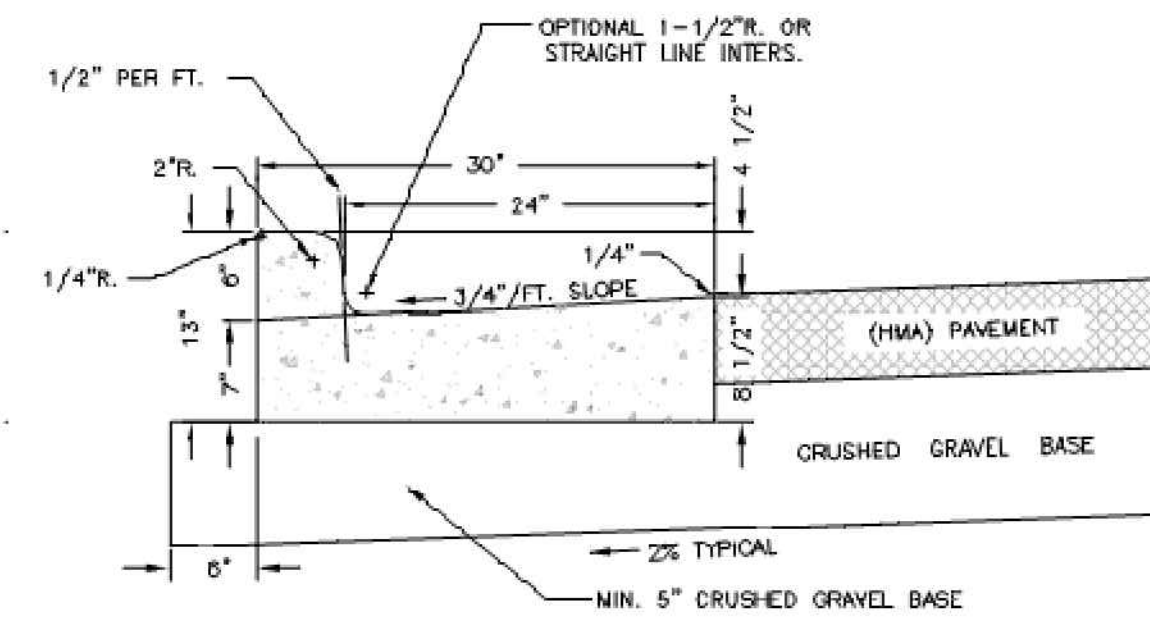
NOTE: AT ALL HANDICAP RAMP LOCATIONS THE CROSS SLOPE OF THE FLANGE CANNOT EXCEED 1/4"/FT. THIS MUST BE MAINTAINED THE WIDTH OF THE RAMP. TRANSITION A MINIMUM 5 FT. ALONG THE FACE OF THE FLANGE ON EITHER SIDE OF THE RAMP TO THE TYPICAL CROSS SLOPE.

NOTE: WHEN TYPE "A" CURB AND GUTTERS USED WITH CONCRETE PAVEMENT THE CURB AND GUTTER SHALL BE TIED TO THE PAVEMENT WITH NO. 4, 2'-0" DEFORMED EPOXY-COATED REBAR SPACED AT 3'-0" C. TO C.

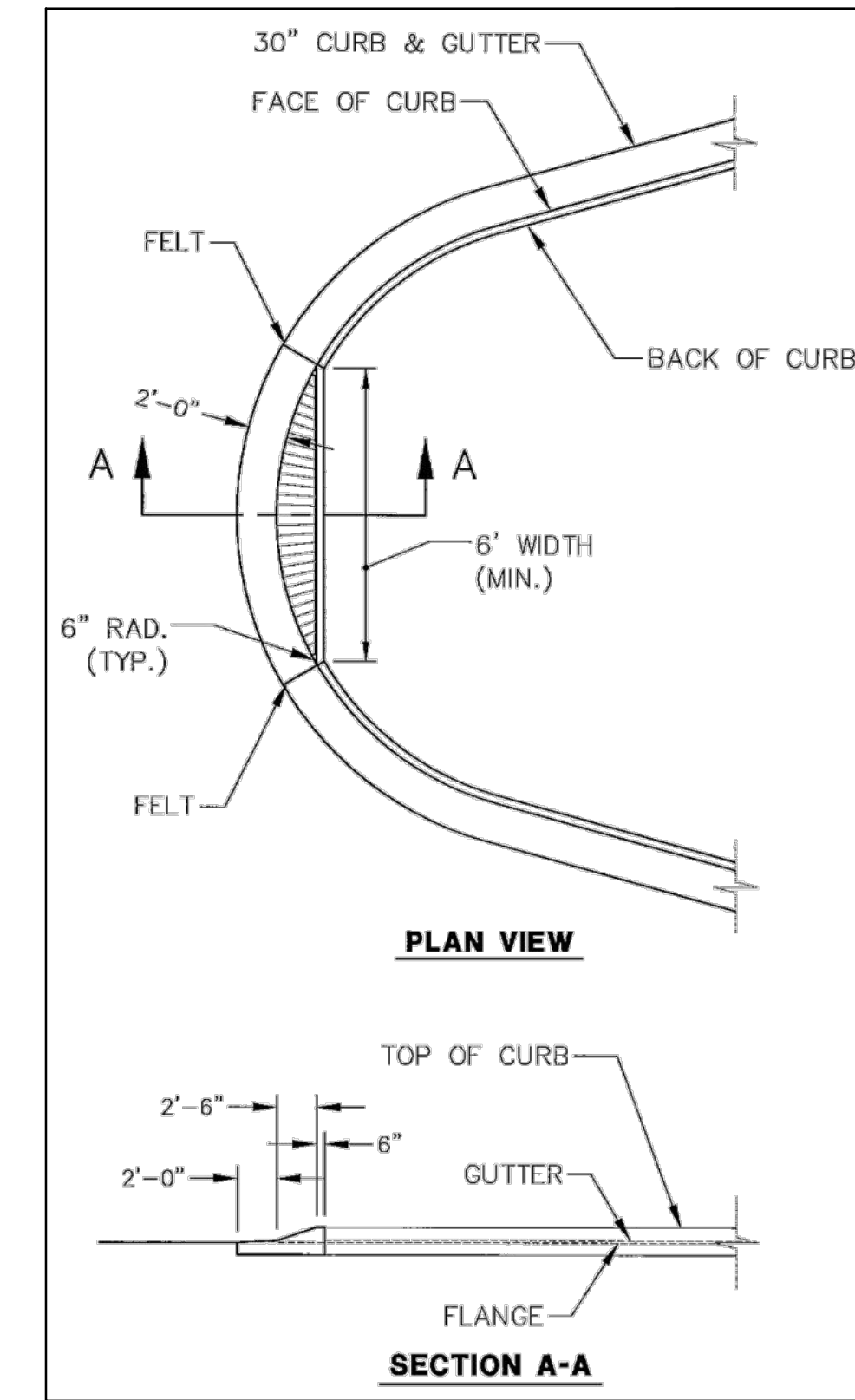


CITY OF WAUKESHA
DEPARTMENT OF PUBLIC WORKS
STANDARD CONSTRUCTION DETAILS
18-INCH TYPE B
APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: JAW DATE: _____ PLOT SCALE: 1" = 1' PLOT DATE: 11/27/2017 9:38 AM PROJECT NO: 07-0341
CHECKED BY: _____ DATE: _____

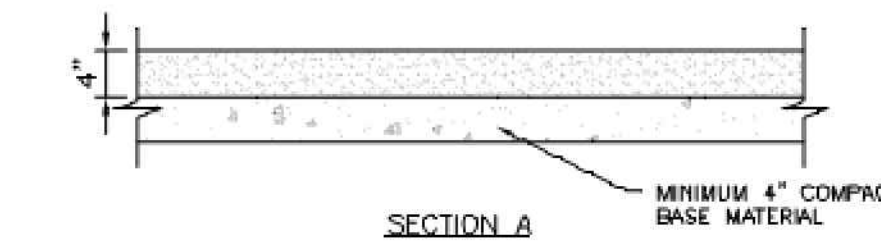
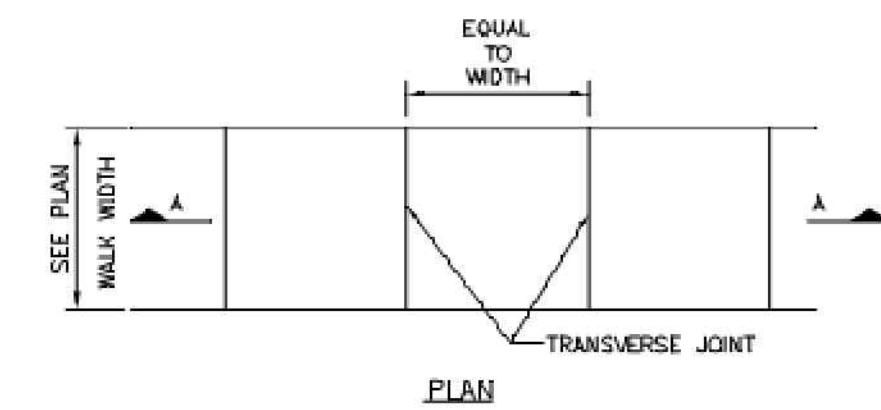
NOTE: AT ALL HANDICAP RAMP LOCATIONS THE CROSS SLOPE OF THE FLANGE CANNOT EXCEED 1/4"/FT. THIS MUST BE MAINTAINED THE WIDTH OF THE RAMP. TRANSITION A MINIMUM 5 FT. ALONG THE FACE OF THE FLANGE ON EITHER SIDE OF THE RAMP TO THE TYPICAL CROSS SLOPE.



CITY OF WAUKESHA
DEPARTMENT OF PUBLIC WORKS
STANDARD CONSTRUCTION DETAILS
30-INCH TYPE A HMA
APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DSB DATE: _____ PLOT SCALE: 1" = 1' PLOT DATE: 11/15/2017 3:12 PM PROJECT NO: 07-0331
CHECKED BY: _____ DATE: _____

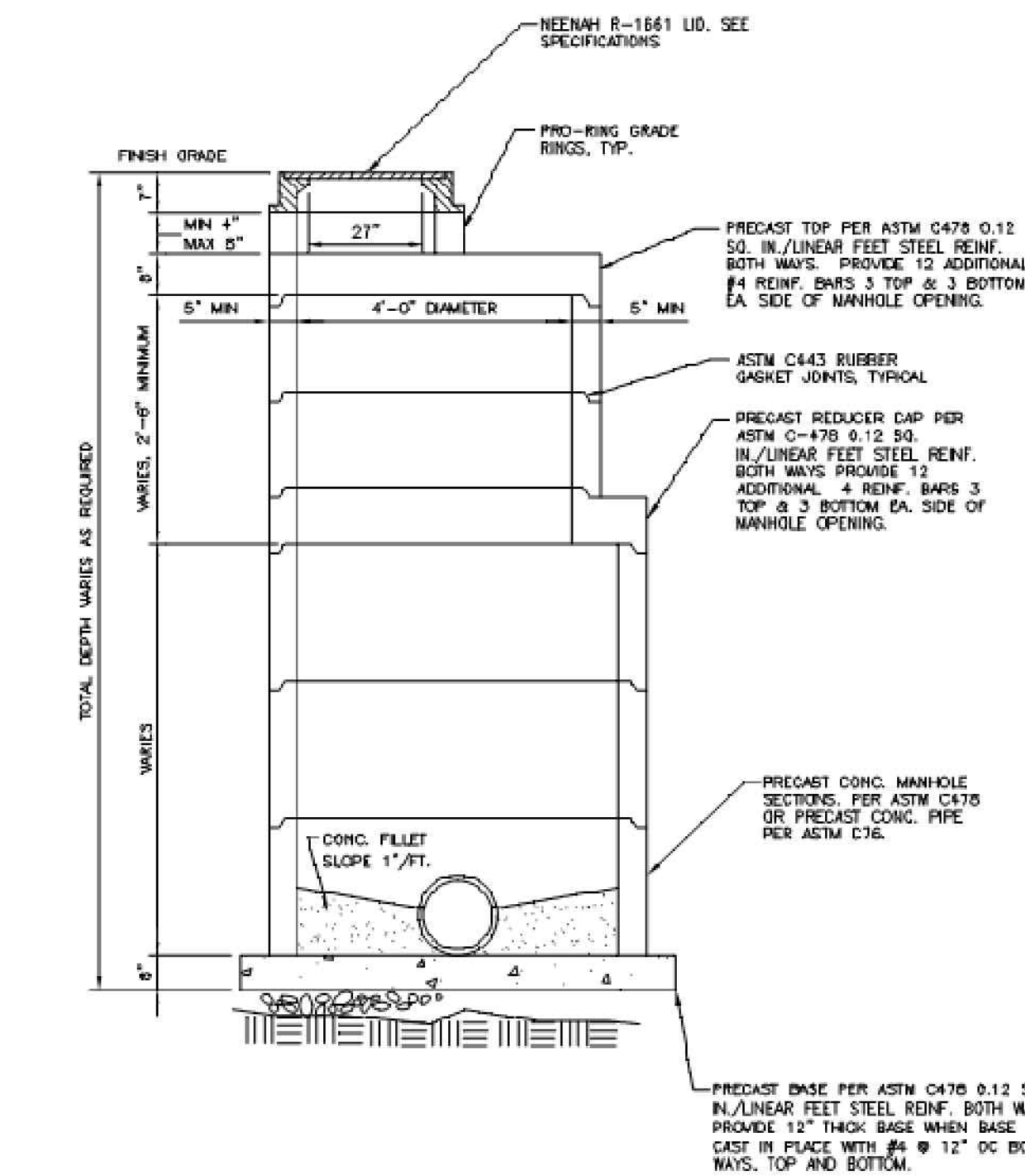


ISLAND BULLNOSE DETAIL
NO SCALE

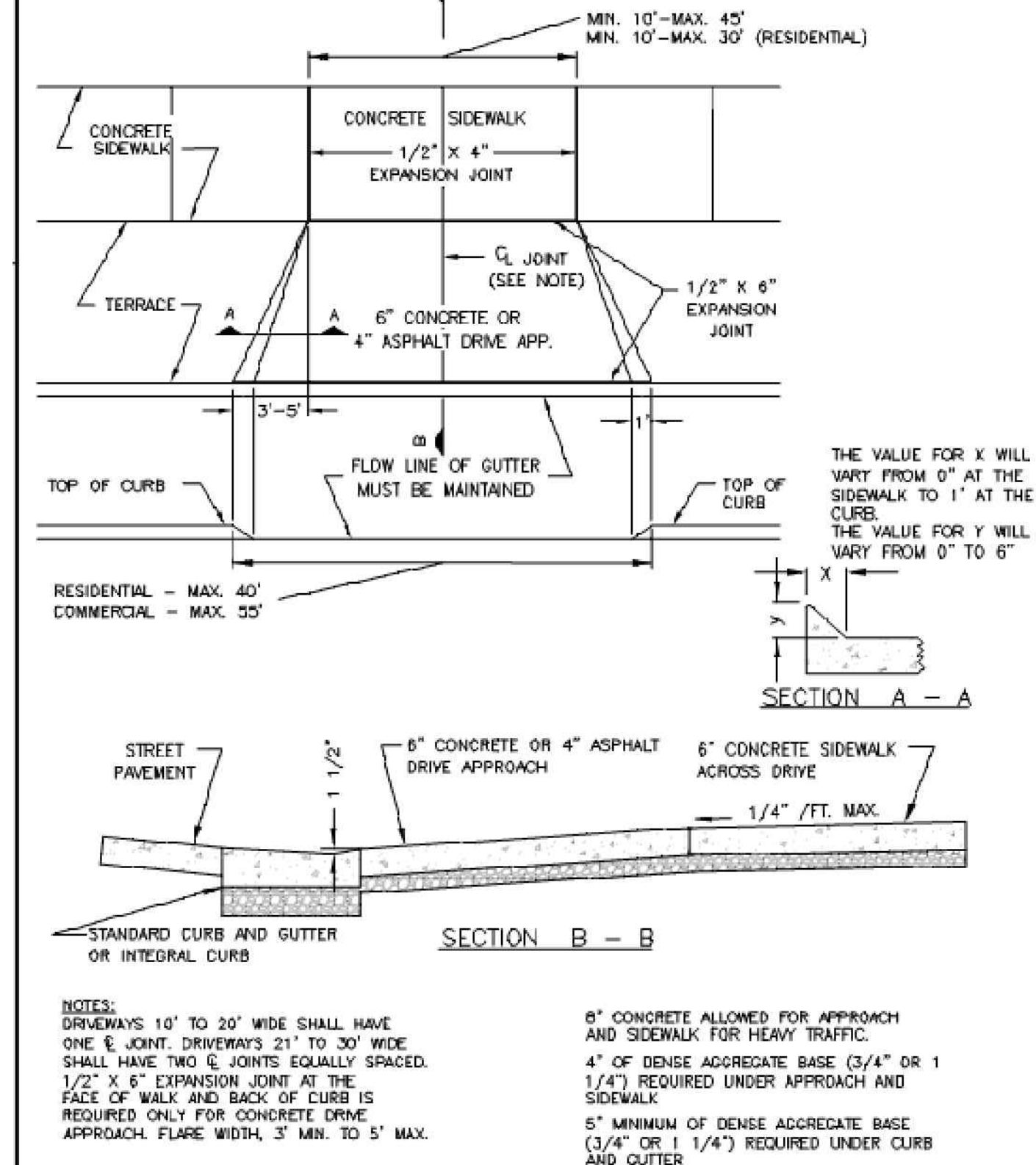


NOTES:
1. TRANSVERSE JOINTS SHALL BE CUT WITH A JOINTER HAVING A RADIUS OF 1/4" AT SPACING AS INDICATED OR AS DIRECTED BY THE ENGINEER.
2. SIDEWALK SHALL BE 6" THICK AT ALL DRIVEWAY CROSSING.

CITY OF WAUKESHA
DEPARTMENT OF PUBLIC WORKS
STANDARD CONSTRUCTION DETAILS
---CONCRETE SIDEWALK---
APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DSB DATE: _____ PLOT SCALE: 1" = 1' PLOT DATE: 11/27/2017 9:15 AM PROJECT NO: 07-0300
CHECKED BY: _____ DATE: _____



CITY OF WAUKESHA
DEPARTMENT OF PUBLIC WORKS
STANDARD CONSTRUCTION DETAILS
STANDARD STORM MANHOLE
APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: JAW DATE: _____ PLOT SCALE: 1/8"=FOOT PLOT DATE: 11/21/2017 7:39 AM PROJECT NO: 05-0003
CHECKED BY: _____ DATE: _____



CITY OF WAUKESHA
DEPARTMENT OF PUBLIC WORKS
STANDARD CONSTRUCTION DETAILS
---STANDARD DRIVE APPROACH---
APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DSB DATE: _____ PLOT SCALE: 1/8"=FOOT PLOT DATE: 1/17/2016 9:44 AM PROJECT NO: 07-0320
CHECKED BY: _____ DATE: _____



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BY: BIELNSKI COMMERCIAL, LLC.
1890 MEADOW LN, SUITE A
PEWAUKEE, WI 53072

REVISION HISTORY	
DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
NOVEMBER 11, 2019

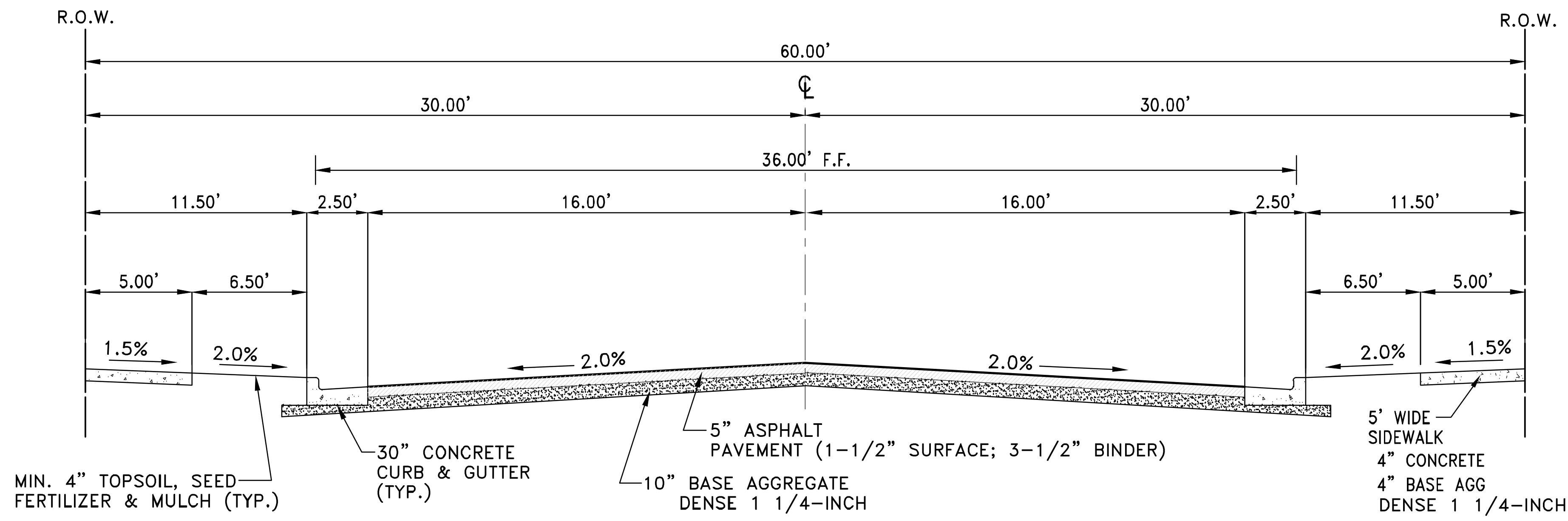
JOB NUMBER:
01006

DESCRIPTION:
CONSTRUCTION DETAILS

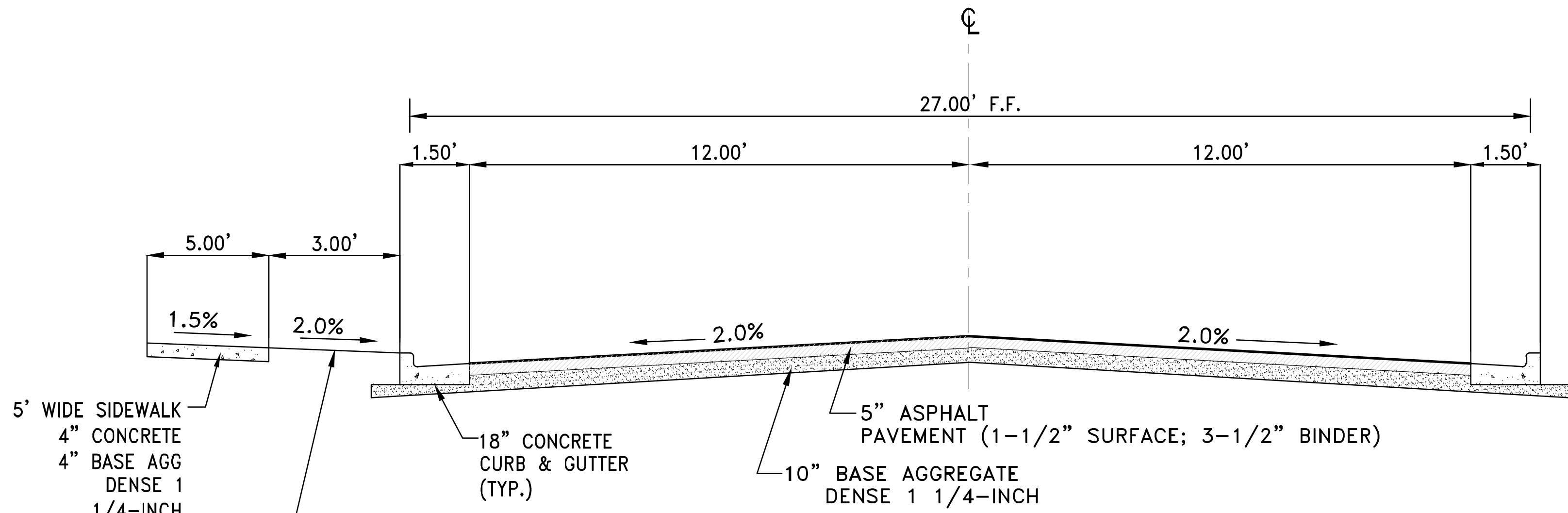
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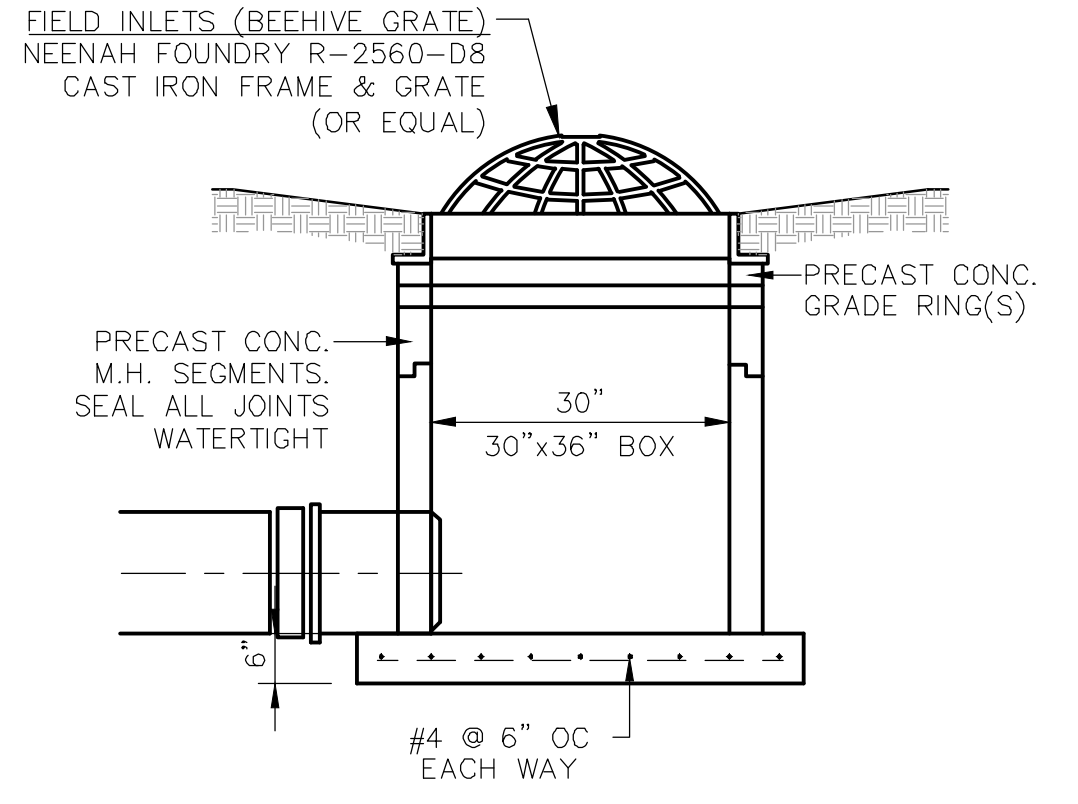
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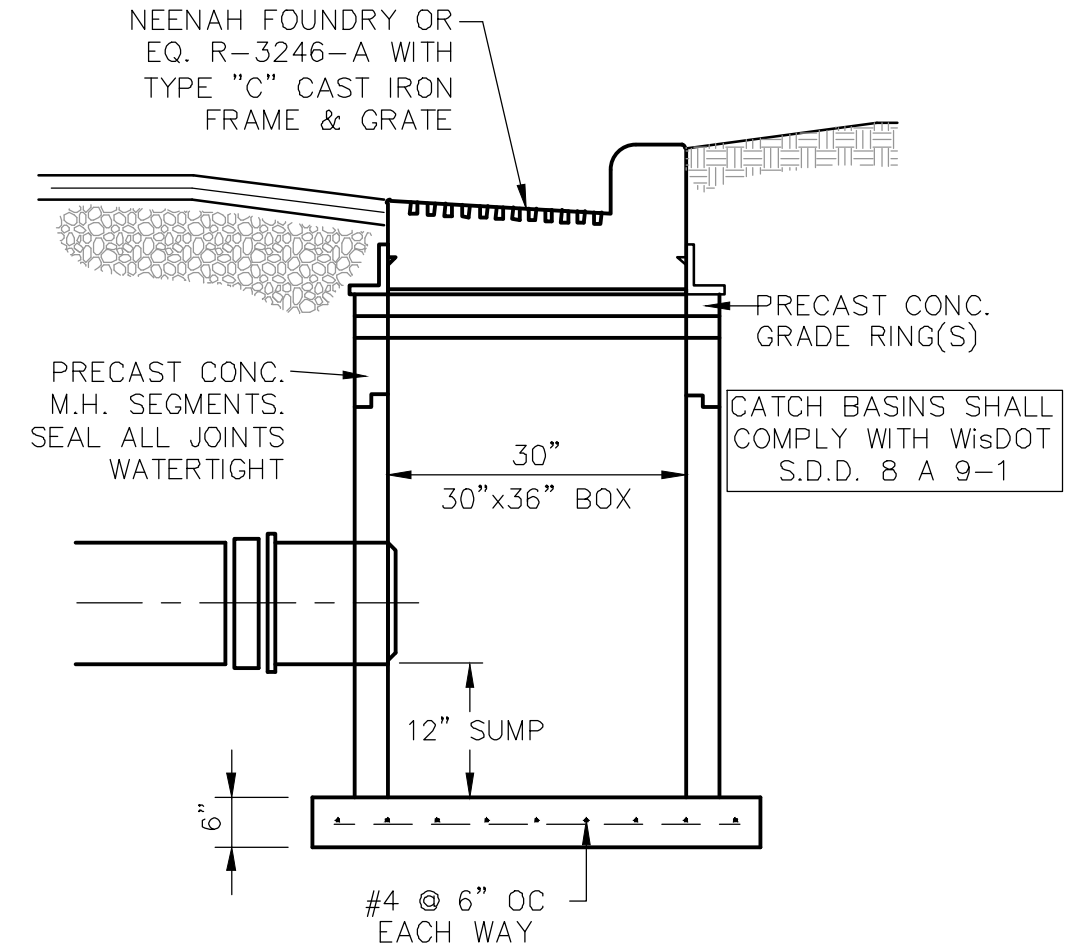
CITY STANDARD ROAD SECTION - 60' R.O.W.
N.T.S.



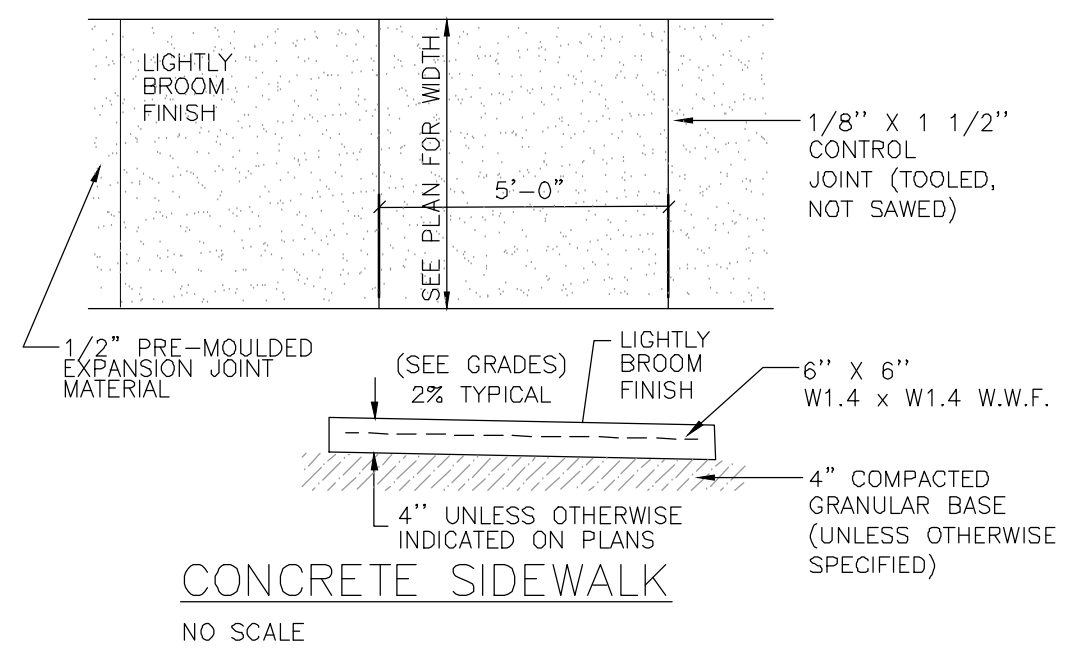
PRIVATE DRIVE ROAD SECTION
N.T.S.



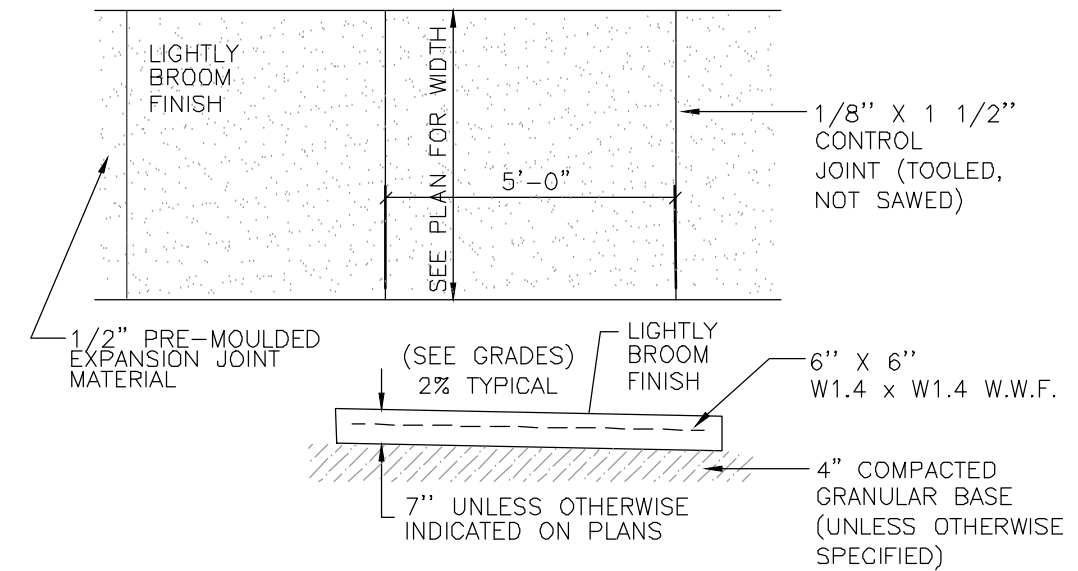
STORM SEWER FIELD INLET DETAIL
NO SCALE



STORM SEWER CATCH BASIN
NO SCALE



CONCRETE SIDEWALK
NO SCALE



CONCRETE SIDEWALK AT DRIVEWAY APRON
NO SCALE



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REVISION HISTORY

DATE	DESCRIPTION
11/11/19	CITY SUBMITTAL

DATE:
NOVEMBER 11, 2019

JOB NUMBER:
01006

DESCRIPTION:
CONSTRUCTION
DETAILS

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