

GENERAL NOTES

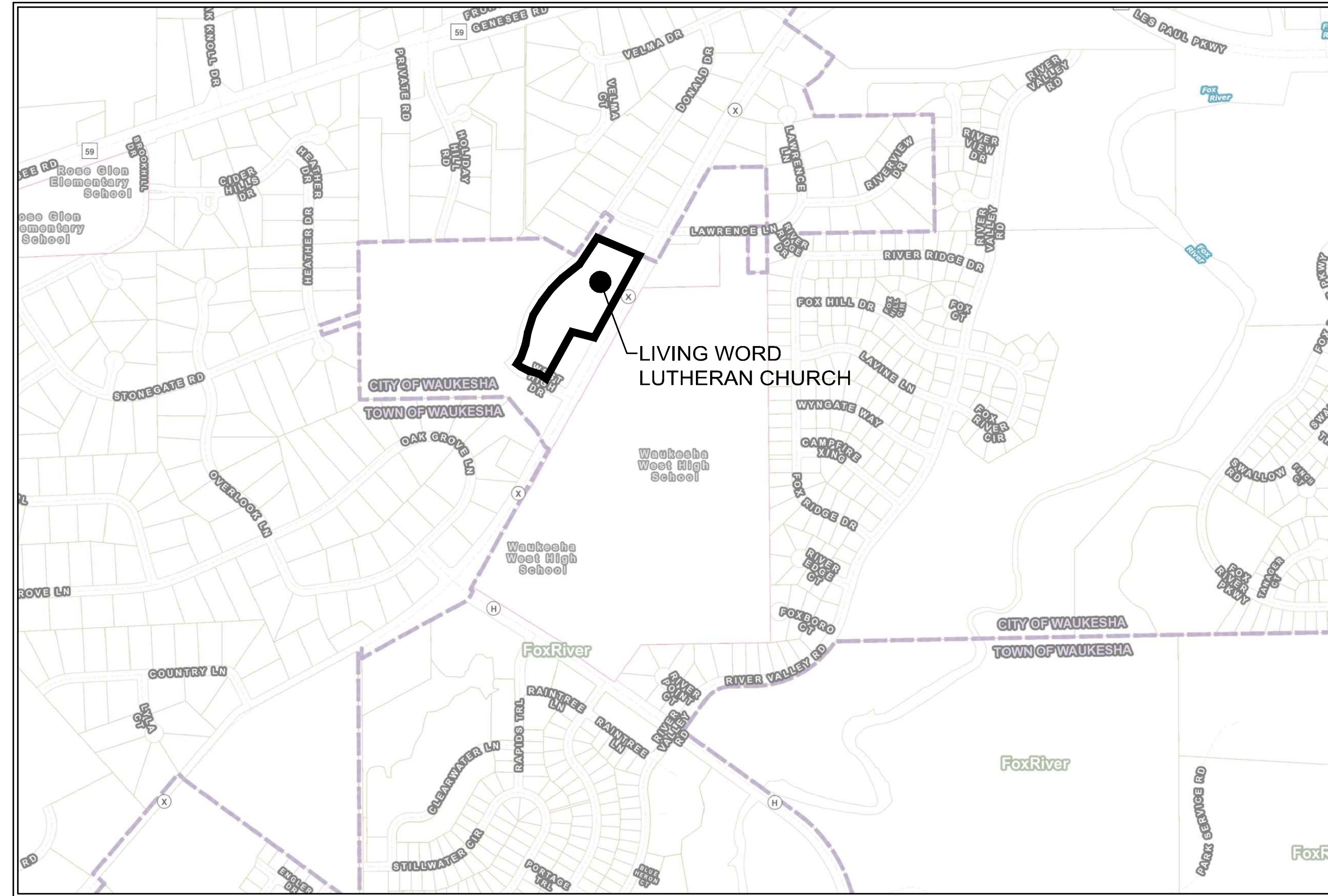
- THE LATEST EDITIONS OF THE FOLLOWING DOCUMENTS AND ANY SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS ON THIS PLAN UNLESS OTHERWISE NOTED.
 - STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, 6TH EDITION (SSSWCW)
 - THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ENGINEER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION.
- ALL TRENCHING SHALL BE PERFORMED ACCORDING TO OSHA STANDARDS.
- ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE.
- THE CONTRACTOR SHALL CLEAN ALL ADJACENT STREETS OF ANY SEDIMENT OR DEBRIS BY SWEEPING BEFORE THE END OF THE WORKING DAY.
- 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.
- CONTRACTOR SHALL NOTIFY THE CITY OF WAUKESHA 7 DAYS PRIOR TO STARTING ANY PUBLIC WATER MAIN AND CULVERT CONSTRUCTION.

LIVING WORD LUTHERAN CHURCH

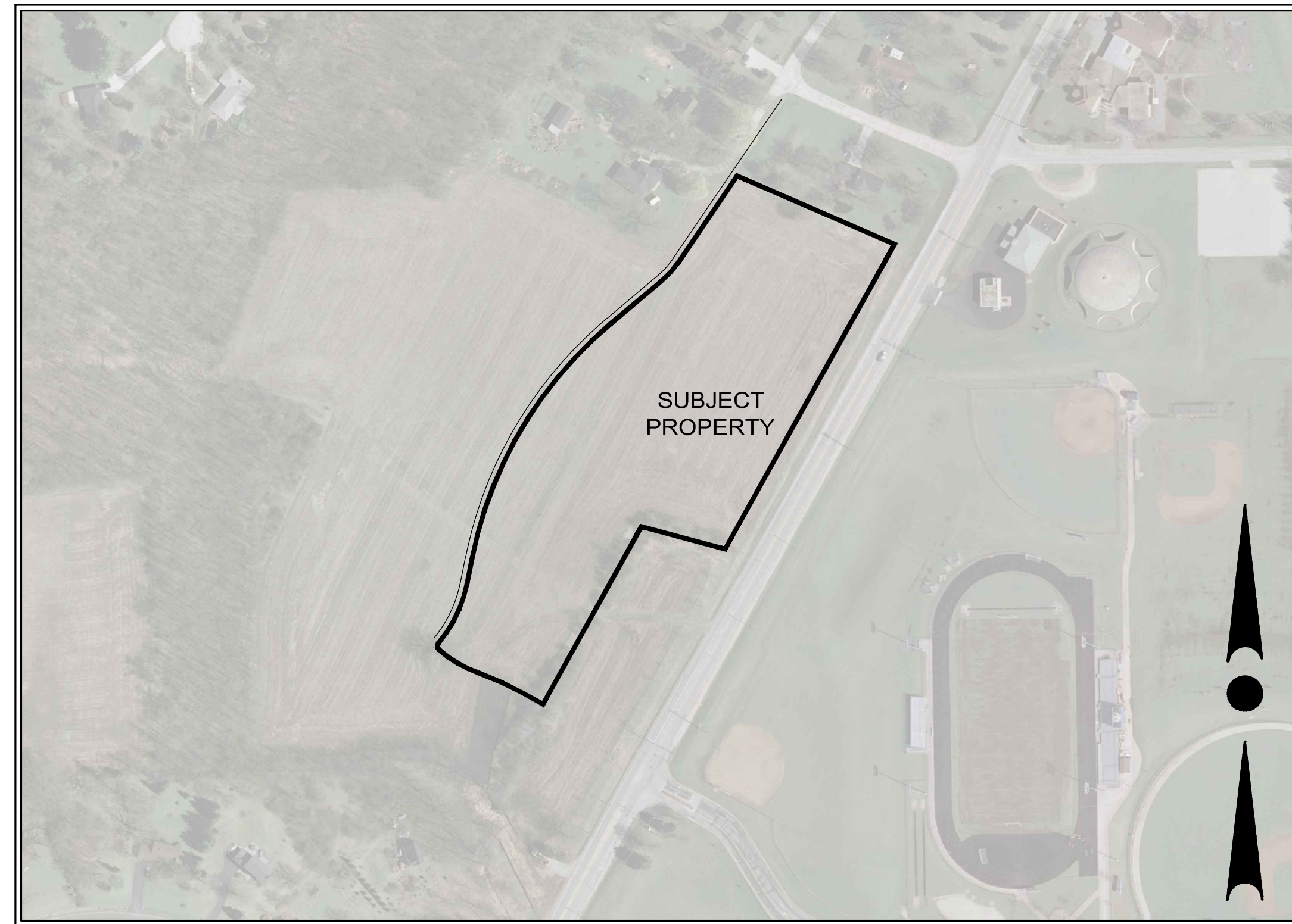
PROPOSED SITE DEVELOPMENT PLANS

CTH "X"/ SAYLESVILLE ROAD

CITY OF WAUKESHA, WISCONSIN



SITE VICINITY MAP
NOT TO SCALE



AERIAL SITE PHOTO
NOT TO SCALE

ARCHITECTS:
TREDO GROUP
219 N MILWAUKEE ST - SUITE 630
MILWAUKEE, WI 53202
TEL: 414-539-3336

SITE CIVIL ENGINEER:
TRIO ENGINEERING, LLC
12660 W. NORTH AVE, BLDG. D
BROOKFIELD, WI 53005
PHONE: 262-790-1480

WETLAND DELINEATOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES
1033 N MAYFAIR ROAD SUITE 200
MILWAUKEE, WI 53226
PHONE: 414-257-4200

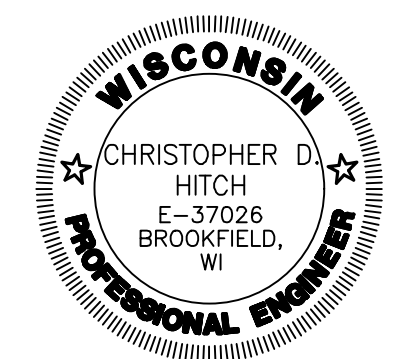
GEOTECHNICAL CONSULTANT:
CGC, INC
336 S. CURTIS ROAD
WEST ALLIS, WI 53214
PHONE: 414-443-2000

PROPERTY ADDRESS:
DONALD DRIVE
WAUKESHA, WI 53188

DATUM:
WISCONSIN STATE PLANE COORDINATE SYSTEM,
SOUTH ZONE (NAD 1927) NATIONAL GEODETIC
VERTICAL DATUM OF 1929

SHEET INDEX

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PROJECT:
LIVING WORD LUTHERAN CHURCH

CITY OF WAUKESHA, WISCONSIN
BY: LIVING WORD LUTHERAN CHURCH
2712 SJSSEX LANE
WAUKESHA, WI 53188

REVISION HISTORY

DATE	DESCRIPTION
06/06/2018	INITIAL SUBMITTAL

DATE:
JUNE 6, 2018

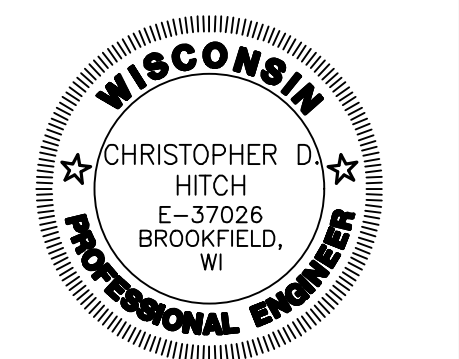
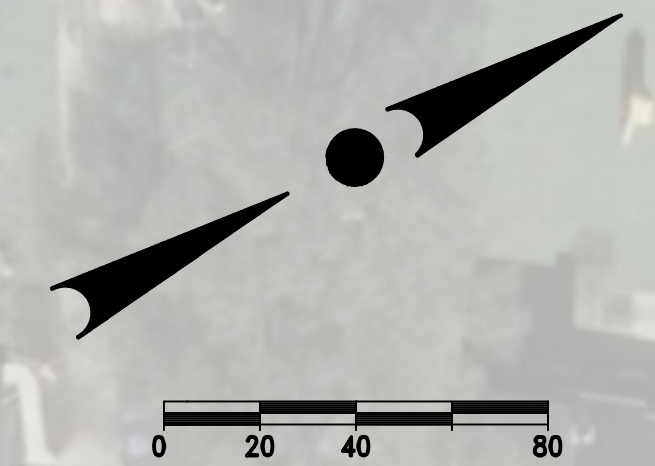
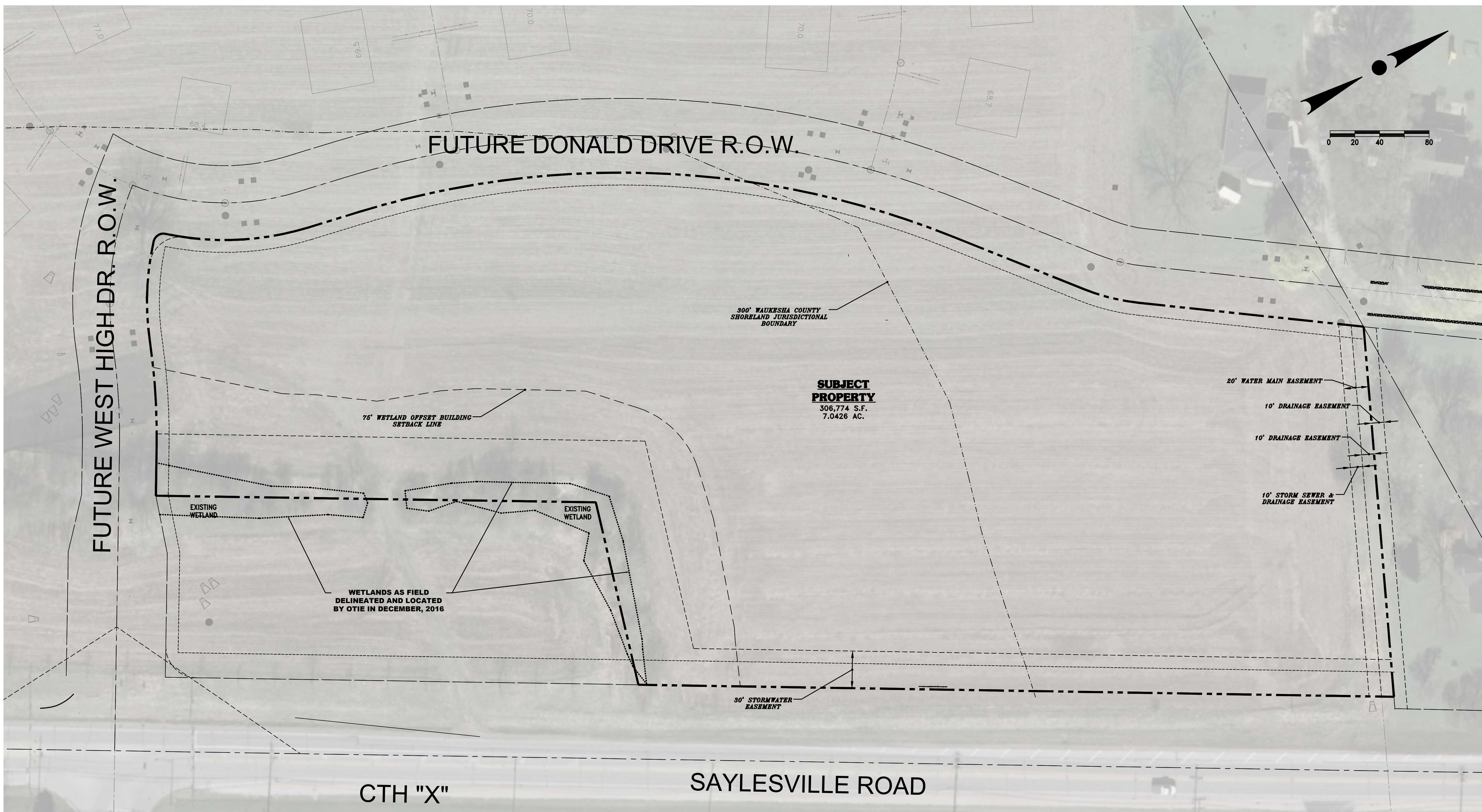
JOB NUMBER:
15025

DESCRIPTION:
COVER SHEET

SHEET

T1

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DESCRIPTION:
EXISTING SITE PLAN

SHEET

C1.0

NOTE:
ROADWAY AND UTILITIES SHOWN BEYOND THE SUBJECT PROPERTY ARE PROPOSED IMPROVEMENTS FOR THE SIEPMANN MONARCH OVERLOOK SUBDIVISION. (CURRENTLY UNDER REVIEW WITH CITY)



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 1-800-243-8511

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.

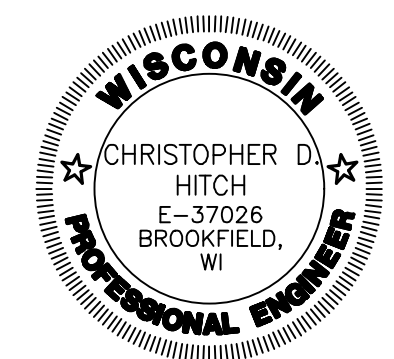
LEGEND:	
---905---	EXISTING CONTOUR
—SAN—	EXISTING SANITARY SEWER
○	EXISTING SANITARY MANHOLE
—W—	EXISTING WATER MAIN
⊕	EXISTING HYDRANT
—ST—	EXISTING STORM SEWER
○	EXISTING STORM MANHOLE
□	EXISTING STORM INLET
⊠	EXISTING TRANSFORMER
⊠	EXISTING ELECTRIC PEDESTAL
⊠	EXISTING TELEPHONE PEDESTAL
⊠	EXISTING CATV PEDESTAL
⚡	EXISTING POWER POLE
⚡	EXISTING LIGHT POLE
⚡	EXISTING SOIL BORING



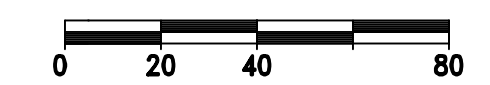
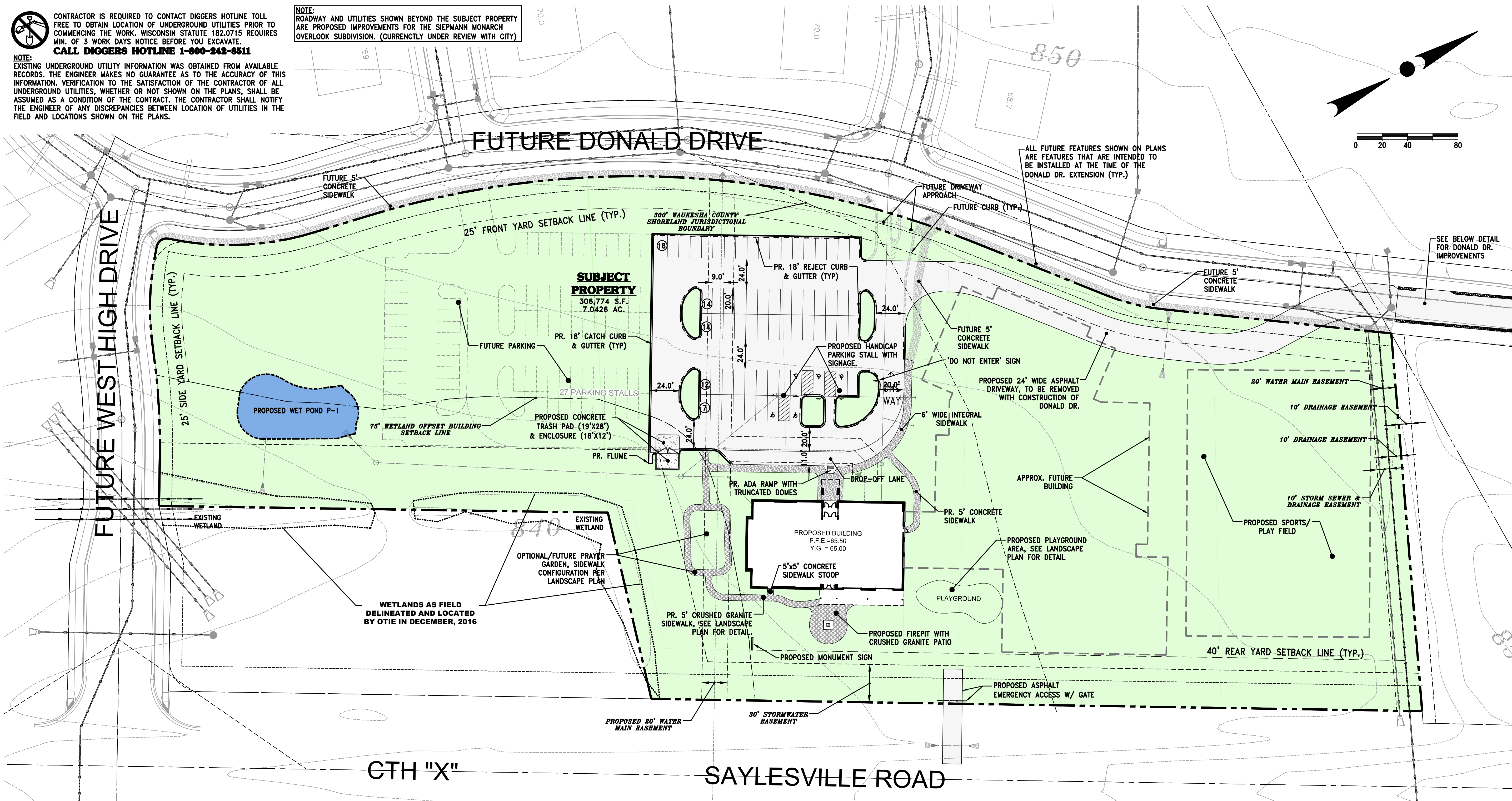
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SEE BELOW DETAIL FOR DONALD DR. IMPROVEMENTS

PROJECT:
LIVING WORD LUTHERAN CHURCH

CITY OF WAUKESHA, WISCONSIN
BY: LIVING WORD LUTHERAN CHURCH
2712 SJSSEX LANE
WAUKESHA, WI 53188

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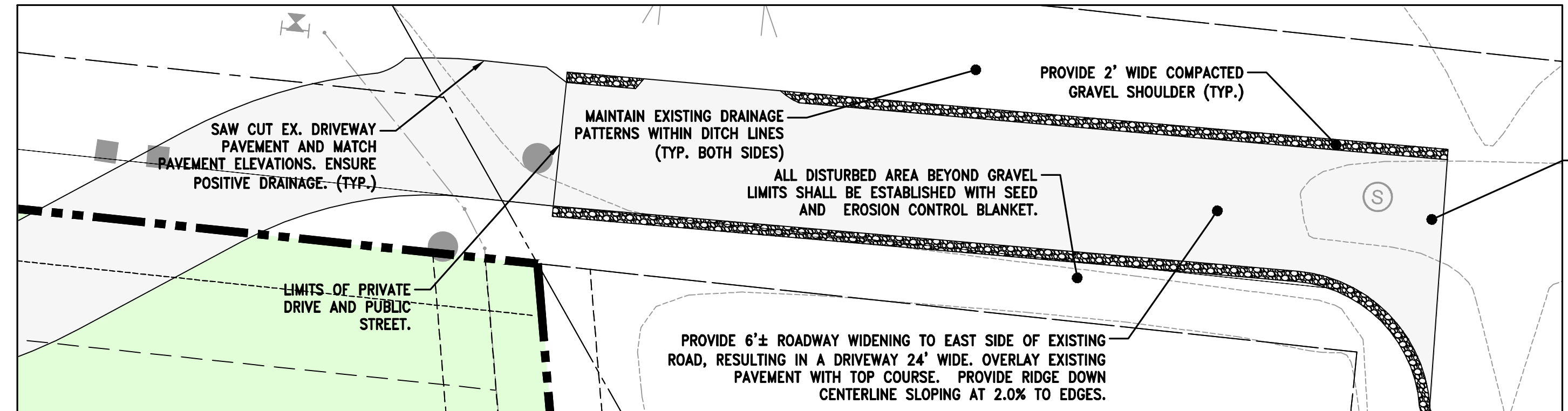
DATE:
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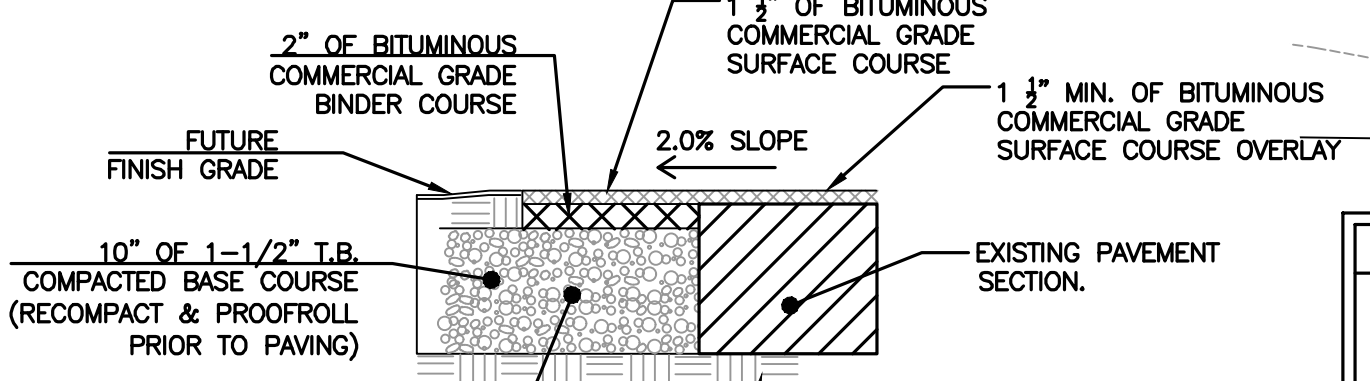
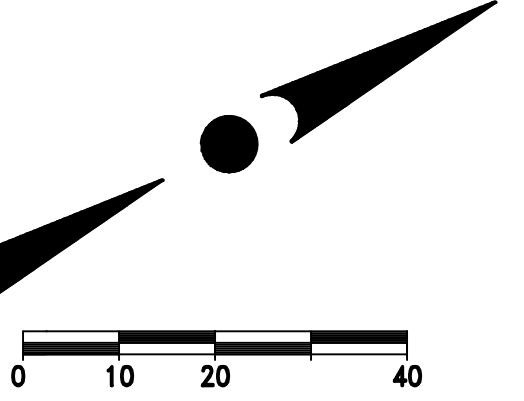
DESCRIPTION:
OVERALL PROPOSED SITE PLAN

SHEET

C1.1



PROPOSED DONALD DR. IMPROVEMENTS



NOTE: ALL AGGREGATE PROVIDED MUST COMPLY WITH "SECTION 305 DENSE GRADED BASE" OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION

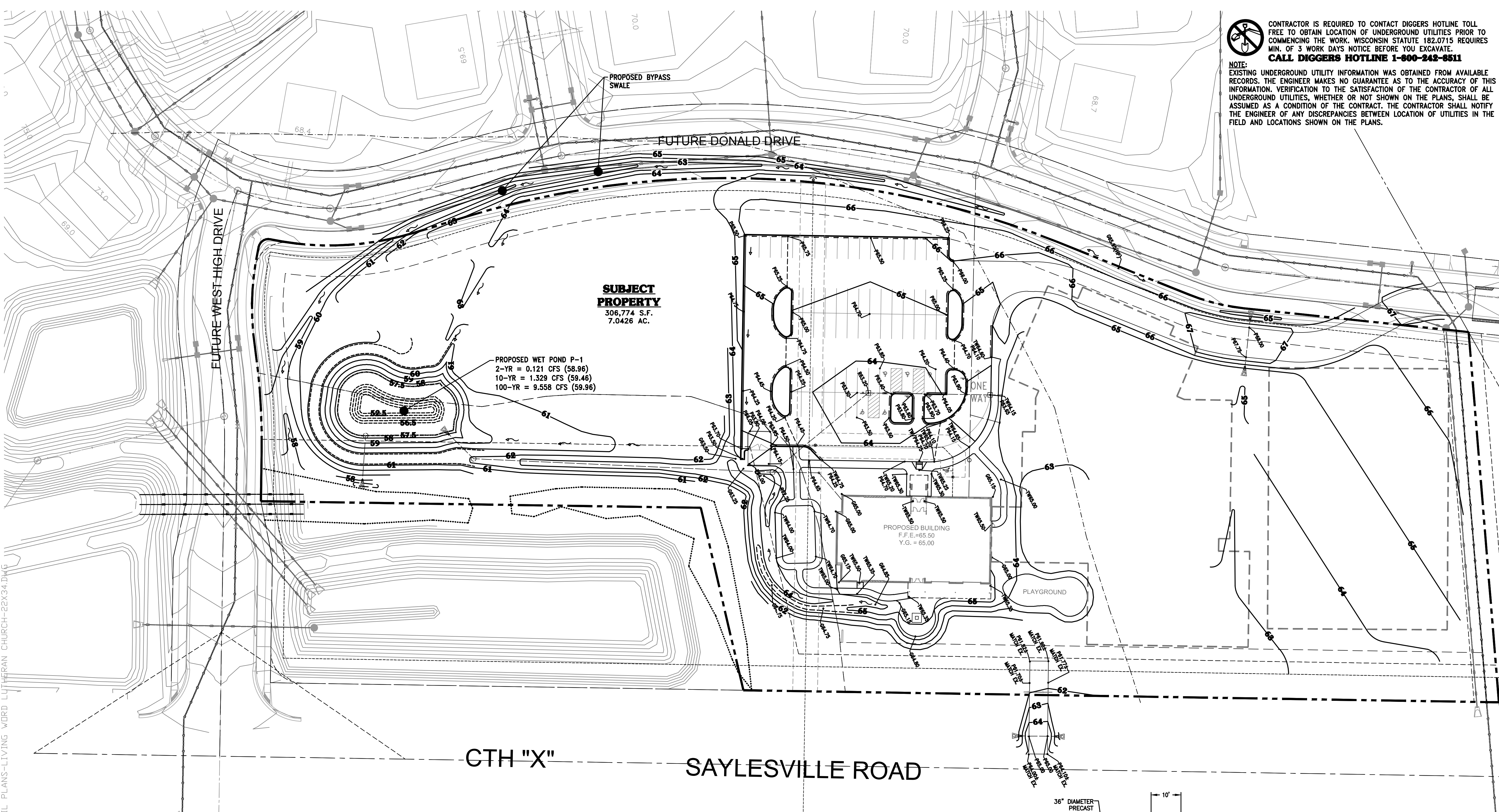
DONALD DR. ASPHALT PAVING SECTION

- NO SCALE**
- NOTE:**
- UNLESS OTHERWISE NOTED, CONTRACTOR SHALL VERIFY THE EXISTING BASE COURSE MATERIAL DEPTH AND PROVIDE MINIMUM CROSS-SECTION WHERE DEFICIENT.
 - PROOFROLL BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
 - STANDARD DUTY ASPHALT TO BE USED UNLESS OTHERWISE NOTED

LEGEND:

---	EXISTING CONTOUR
---	EXISTING SANITARY SEWER
---	EXISTING WATER MAIN
---	EXISTING STORM SEWER
---	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

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WISCONSIN PROFESSIONAL ENGINEER
 CHRISTOPHER D. HITCH
 E-37026
 BROOKFIELD, WI

TRIO
 DESIGN • LAND SURVEYING
 CIVIL ENGINEERING

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PROJECT:
 LIVING WORD LUTHERAN CHURCH

CITY OF WAUKESHA, WISCONSIN
 BY: LIVING WORD LUTHERAN CHURCH
 2712 SJSSEX LANE
 WAUKESHA, WI 53188

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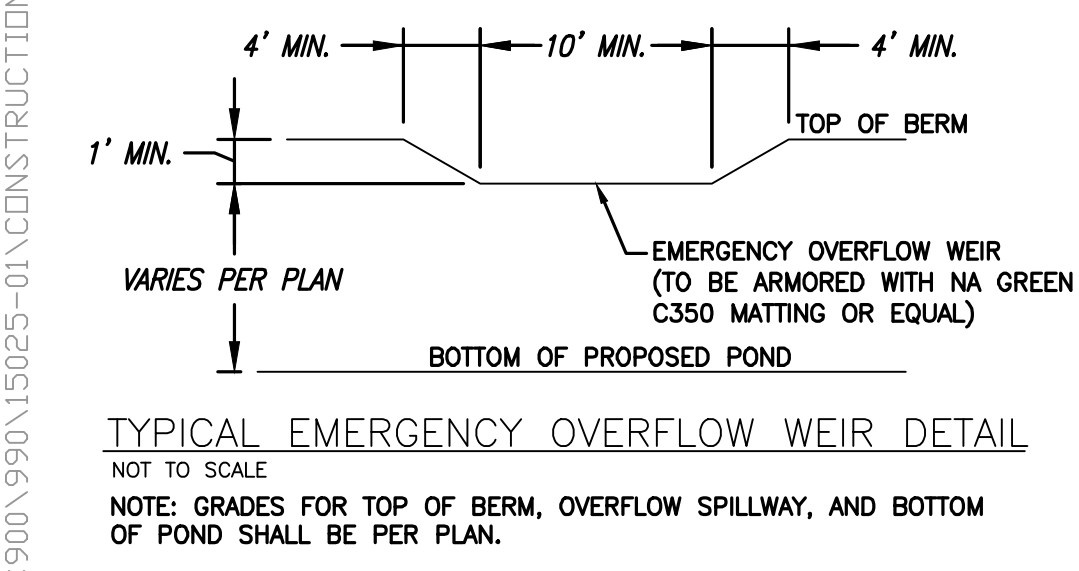
JOB NUMBER:
 15025

DESCRIPTION:
 PROPOSED GRADING PLAN

SHEET

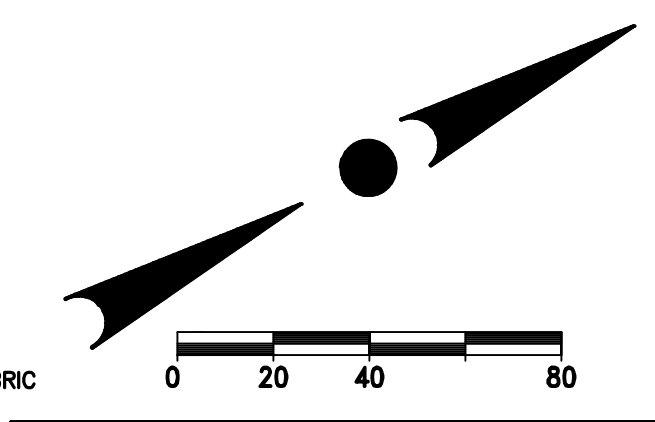
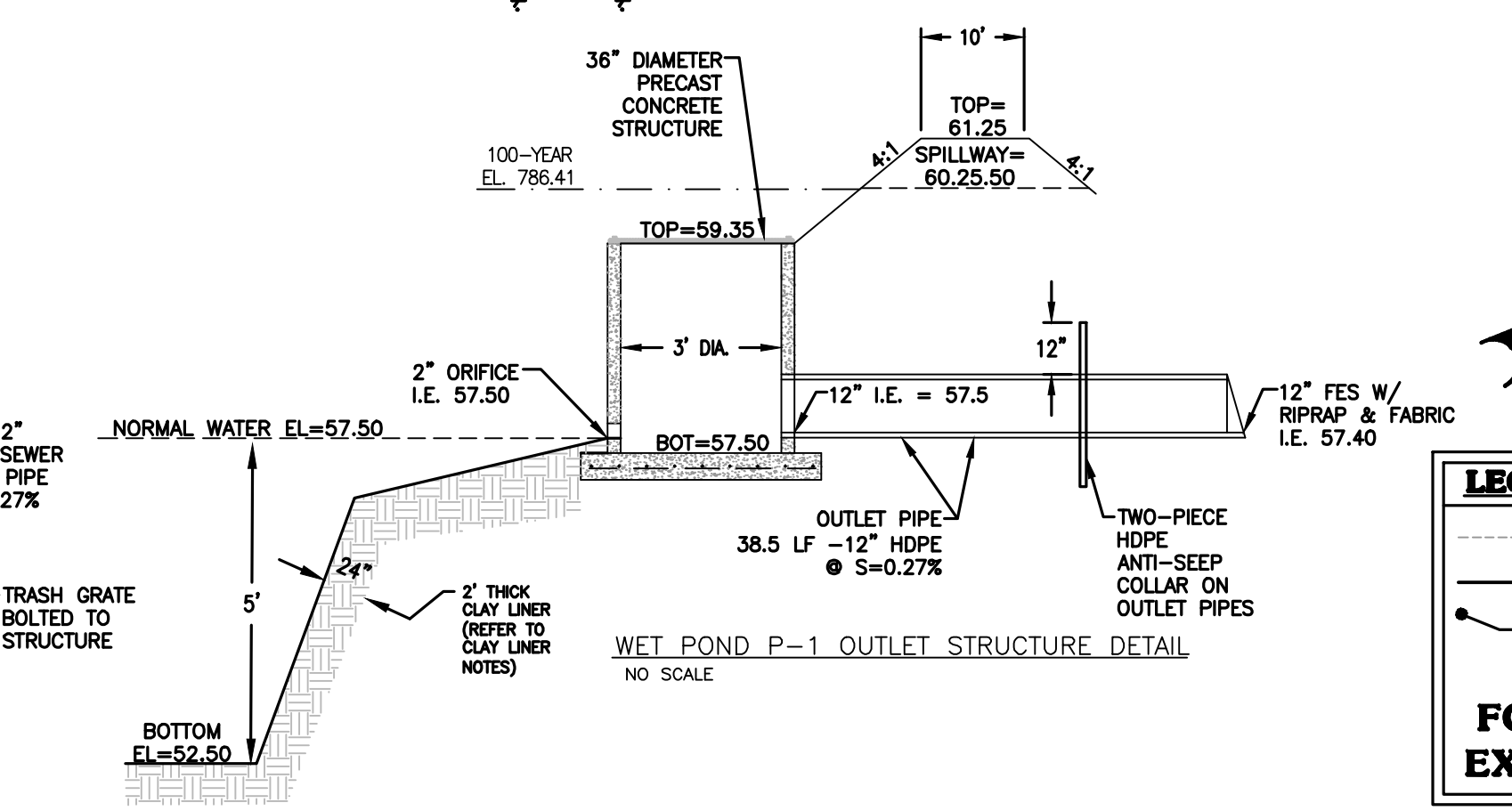
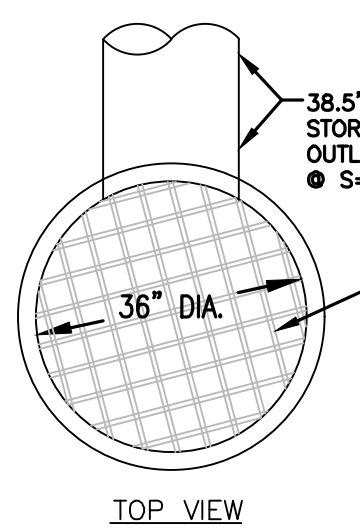
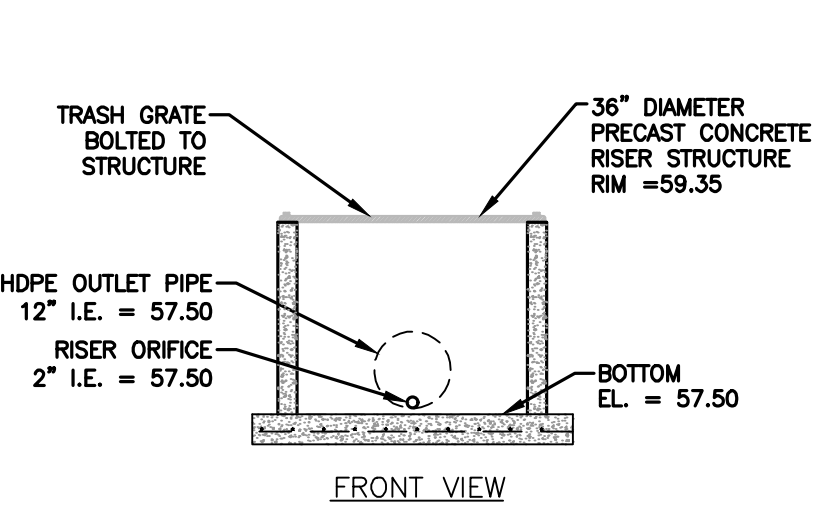
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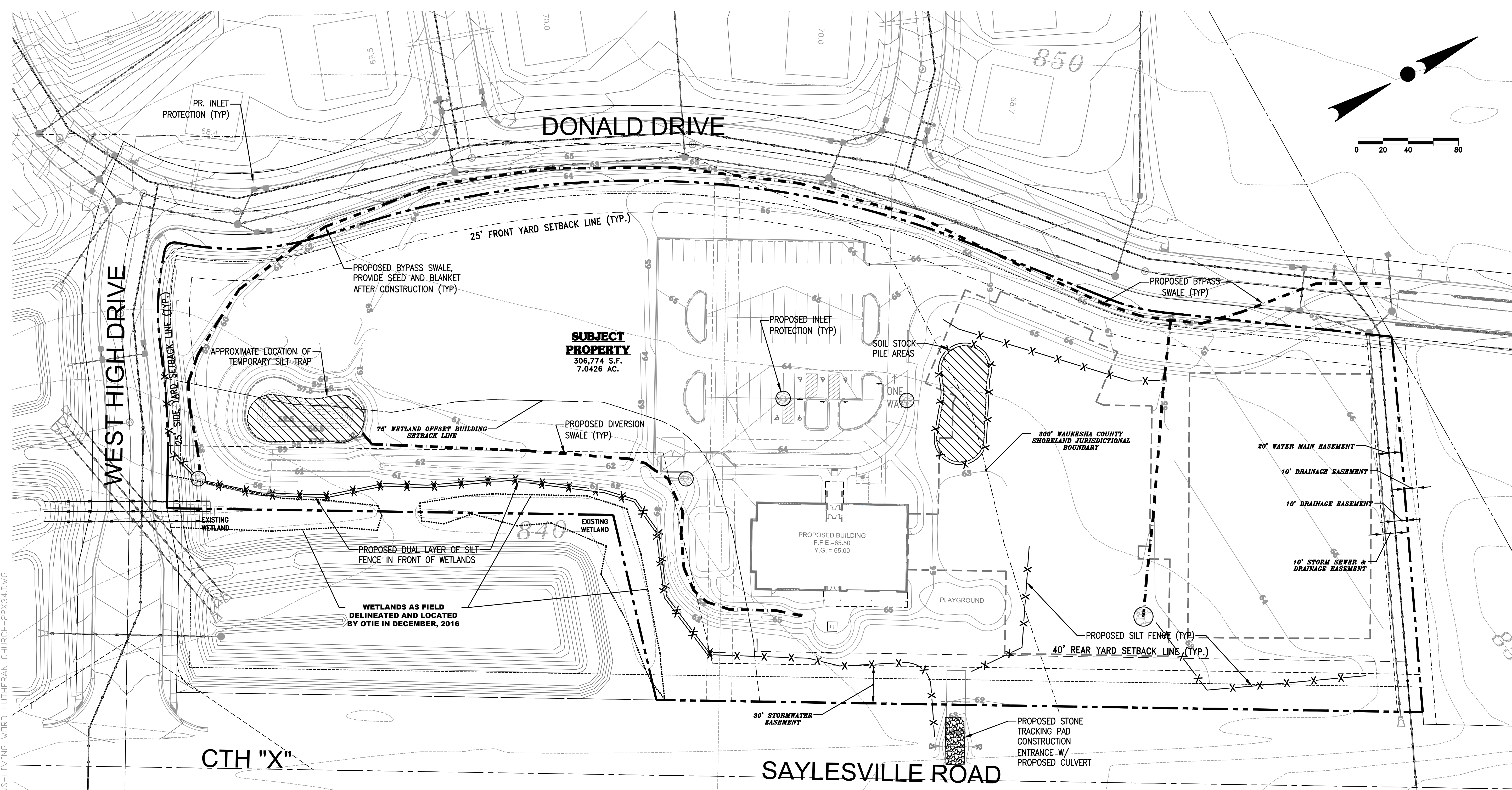
NOTE: ROADWAY AND UTILITIES SHOWN BEYOND THE SUBJECT PROPERTY ARE PROPOSED IMPROVEMENTS FOR THE SIEPMANN MONARCH OVERLOOK SUBDIVISION. (CURRENTLY UNDER REVIEW WITH CITY)

CLAY LINER NOTE:
 -2" THICK CLAY LINER IN ACCORDANCE WITH WDNR 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.
 -GEO TECHNICAL 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. (EL. 58.96)



LEGEND:

--- 905 ---	EXISTING CONTOUR
---	PROPOSED CONTOUR
● P812.80	PROPOSED SPOT ELEVATION
→	PROPOSED FLOW ARROW
FG 900.0	PROPOSED YARD GRADE
EXP 895.0	PROPOSED EXPOSURE GRADE



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PROJECT:
 LIVING WORD LUTHERAN CHURCH
 CITY OF WAUKESHA, WISCONSIN
 BY: LIVING WORD LUTHERAN CHURCH
 2712 SJSSEX LANE
 WAUKESHA, WI 53188

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DATE:
 JUNE 6, 2018

JOB NUMBER:
 15025

DESCRIPTION:
 PROPOSED
 EROSION CONTROL
 PLAN
 SHEET

C1.3

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EROSION SLOPE MATTING NOTE:
 ALL SLOPES 25% OR STEEPER SHALL BE MATTED WITH A CLASS A TYPE I EROSION MAT PER WDNR TECH STANDARD 1052

- WISCONSIN DEPARTMENT OF NATURAL RESOURCES, CONSERVATION PRACTICE STANDARD:**
- 1052 - NON-CHANNEL EROSION MAT
 - 1055 - SEDIMENT BALE BARRIER (NON-CHANNEL)
 - 1056 - SILT FENCE
 - 1057 - STONE TRACKING PAD AND TIRE WASHING
 - 1058 - MULCHING FOR CONSTRUCTION SITES
 - 1059 - TEMPORARY SEEDING
 - 1060 - STORM DRAIN INLET PROTECTION FOR CONST. SITES
 - 1061 - DEWATERING
 - 1062 - DITCH CHECK
 - 1066 - TEMPORARY DIVERSION BERM
 - 1050 - LAND APPLICATION OF ANIONIC POLYACRYLAMIDE
 - 1063 - SEDIMENT TRAP

LEGEND:

	817 - EXISTING CONTOUR
	817 - PROPOSED CONTOUR
	PROPOSED SILT FENCE
	PROPOSED INLET PROTECTION
	PROPOSED SILT SOCK
	PROPOSED TRACKING PAD

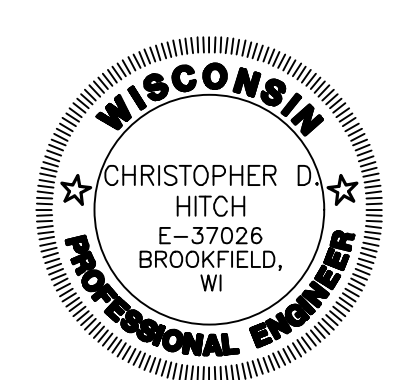
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- CONSTRUCTION SEQUENCE PLAN**
1. INSTALL SILT FENCE (OR SILT SOCK), AS SHOWN ON PLANS, TRACKING PAD AT ENTRANCE AND ALL INLET PROTECTION PRIOR TO LAND DISTURBING ACTIVITIES.
 2. GRADE BYPASS SWALES PER PLAN. PROVIDE SEED AND BLANKET TEMPORARY STABILIZATION.
 3. GRADE POND FOR USE AS TEMPORARY SEDIMENT TRAP. PROVIDE STONE WEEPER OUTLET PER WDNR TECHNICAL SPECIFICATIONS.
 4. ROUGH GRADE SITE; TEMPORARY SEED AND STABILIZE AREAS PLANNED TO BE LEFT UNDISTURBED FOR > 7 DAYS.
 - 4.1. NOTE THAT WDNR LATE SEASON STABILIZATION MEASURES WILL BE REQUIRED FOR WORK OCCURRING AFTER OCTOBER 15-SPRING.
 5. CONSTRUCT BUILDINGS
 - 5.1. BUILDING CONSTRUCTION MAY BEGIN CONCURRENT WITH STEP 2 BUT AFTER THE EXISTING STRUCTURES HAVE BEEN RAZED.
 - 5.2. INSTALL SANITARY SEWER & WATER SERVICE LATERALS. PLUMBER SHALL OBTAIN ALL REQUIRED PERMITS FROM CITY AND STATE AND SHALL FOLLOW ALL PERMIT PROVISIONS.
 6. INSTALL STORM SEWER PIPING; PLUMBER SHALL SECURE ANY CITY PERMITS THAT MAY BE REQUIRED AND SHALL FOLLOW STATE DSPS COMM 382 PERMIT REQUIREMENTS FOR INSTALLATION.
 7. INSTALL NEW GAS/ELECTRIC/TELEPHONE UTILITIES PER PLANS BY OTHERS.
 8. FINISH GRADE SITE AND INSTALL PROPOSED PAVEMENT AND DRIVEWAY APPROACH.
 9. REMOVE ALL SEDIMENT ACCUMULATION FROM TEMPORARY SEDIMENT TRAP AND GRADE POND TO PROPOSED GRADES. INSTALL PROPOSED OUTLET STRUCTURE AND PIPE.
 10. SPREAD TOPSOIL, SEED, MULCH AND STABILIZE DISTURBED AND PROPOSED OPEN SPACE AREAS AS NOTED ON PLAN AND PER WDNR AND CITY REQUIREMENTS. TO BE COMPLETED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINAL GRADING.
 11. INSTALL LANDSCAPING PER PLAN.
 12. REMOVE ANY REMAINING SILT FENCE AND CONSTRUCTION FENCE, ONCE SITE HAS OBTAINED 70% STABILIZATION.
- NOTE THAT CONSTRUCTION MANAGER MAY MODIFY THIS SEQUENCE PLAN TO BEST SUIT THE NEEDS OF THE PROJECT.

- 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 SOCKS/STRAW WATTLES 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 SPOIL 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 TEMPORARILY SEED 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 SEASON, 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 SEEDING AND MULCHED SHALL USE WDOT SEED MIXTURE NO. 20. MULCH SHALL APPLIED PER WDOT SPECIFICATIONS USING METHOD B FOR PLACEMENT.



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PROJECT:
LIVING WORD LUTHERAN CHURCH

CITY OF WAUKESHA, WISCONSIN
BY: LIVING WORD LUTHERAN CHURCH
2712 SJSSEX LANE
WAUKESHA, WI 53188

REVISION HISTORY

DATE	DESCRIPTION
06/06/2018	INITIAL SUBMITTAL

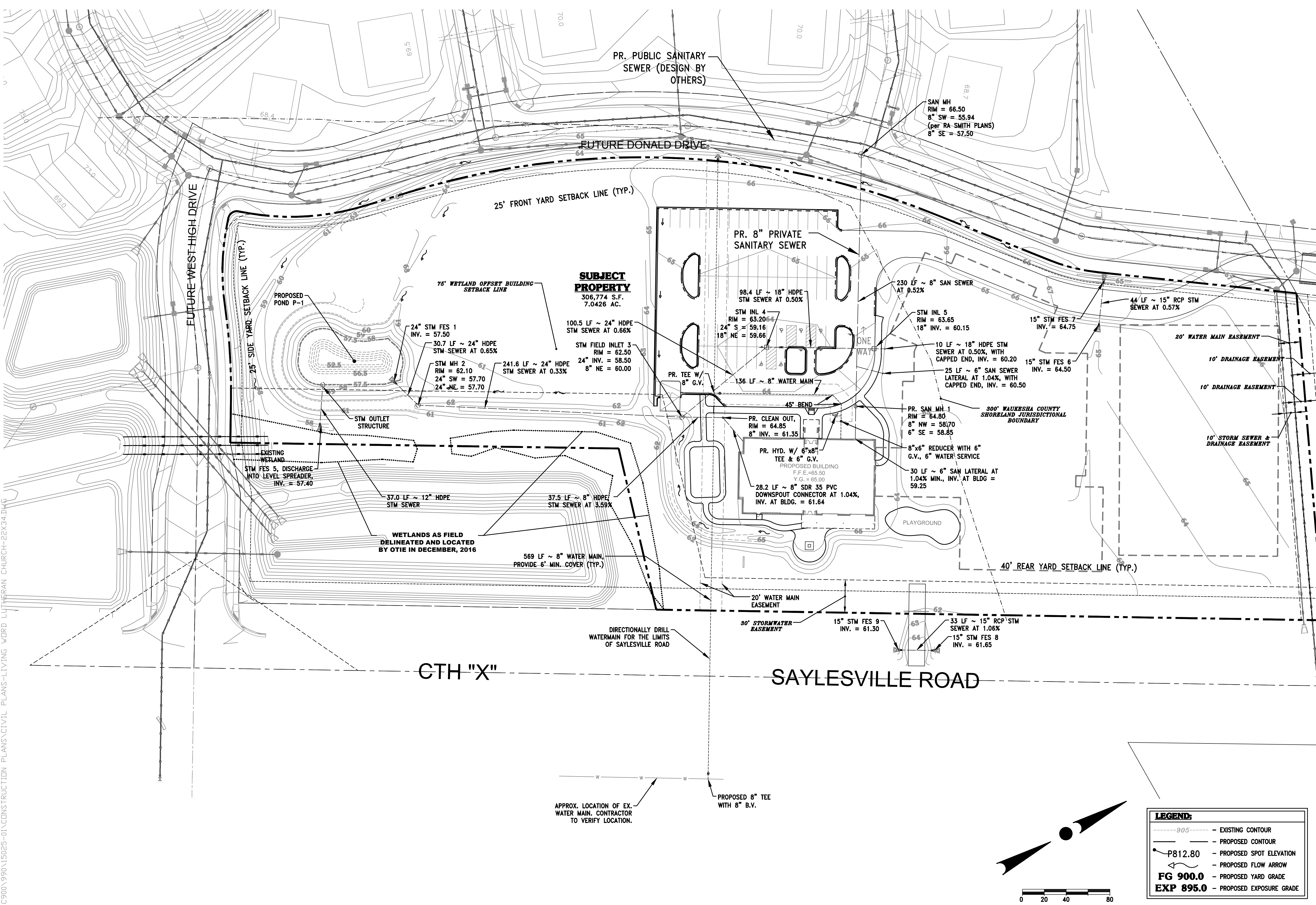
DATE:
JUNE 6, 2018

JOB NUMBER:
15025

DESCRIPTION:
PROPOSED UTILITY PLAN

SHEET

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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
- WDRN STORMWATER RUNOFF TECHNICAL STANDARDS.
- WISDOT PAL APPROVED EROSION CONTROL MEASURES LIST, LATEST EDITION.
- CITY OF WAUKESHA MUNICIPAL CODE, LATEST EDITION.
- CITY OF WAUKESHA STANDARDS AND SPECIFICATIONS.

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.

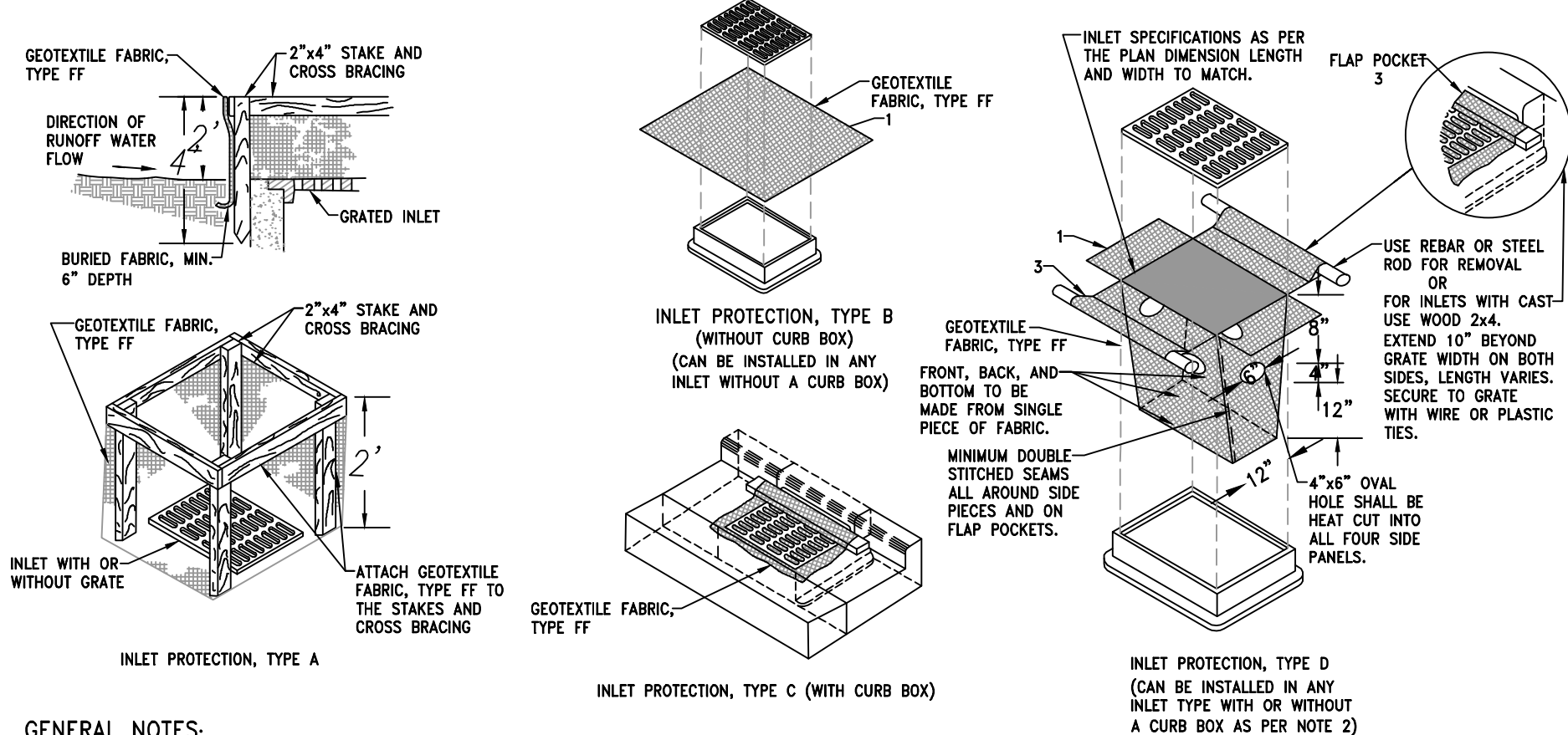
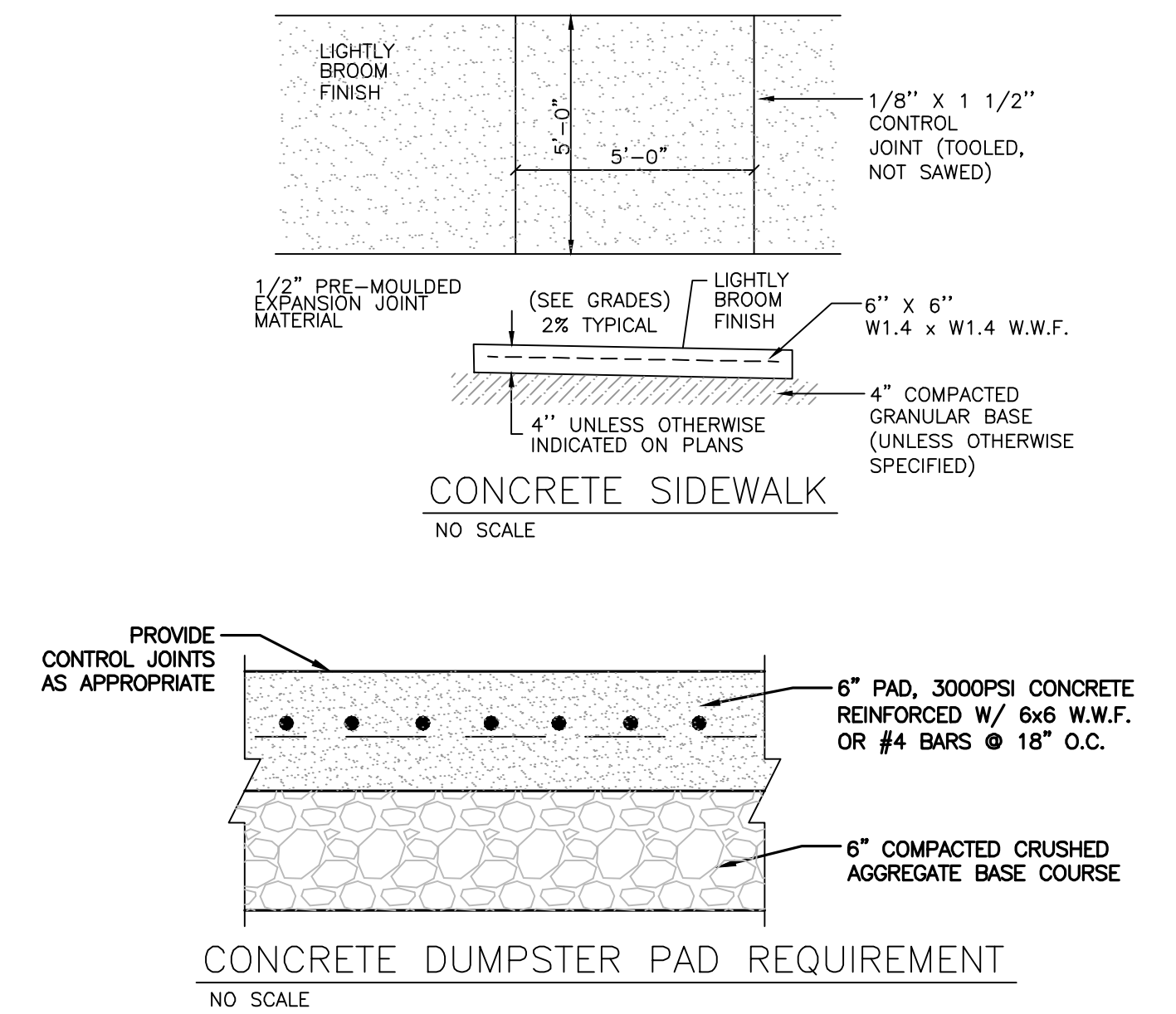
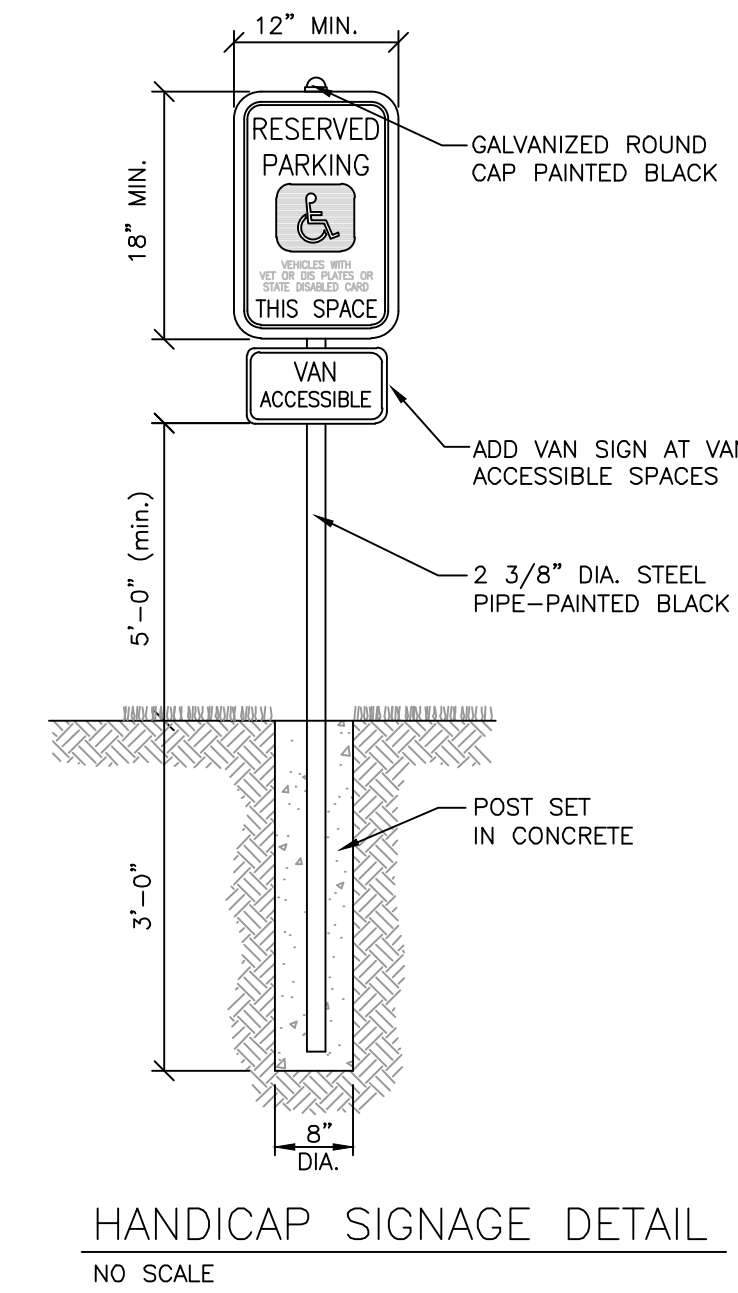
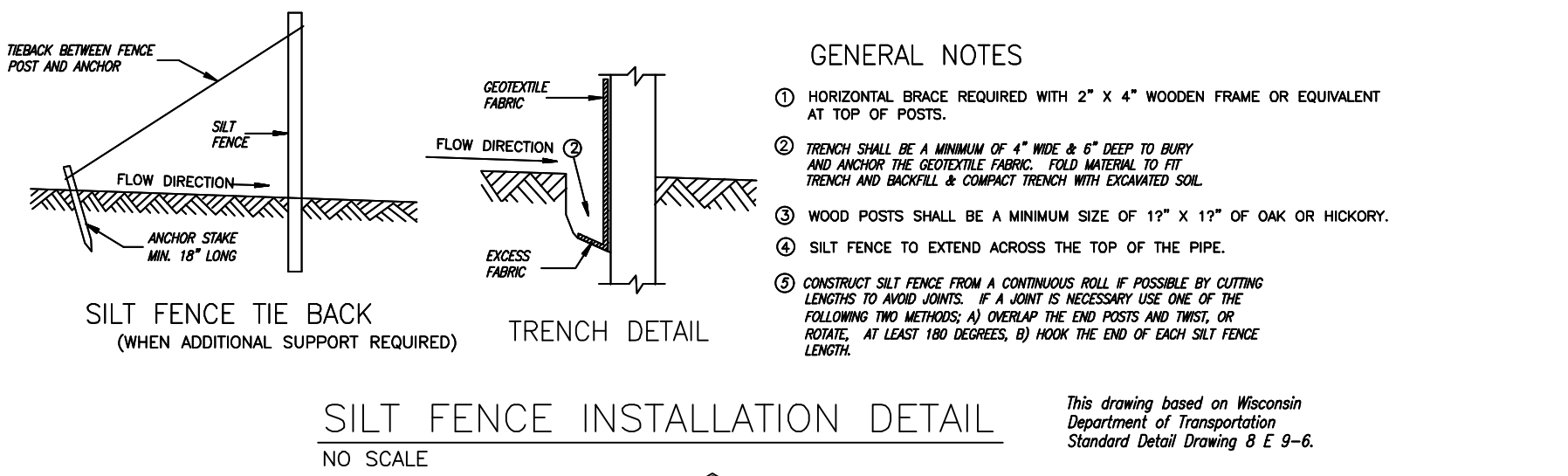
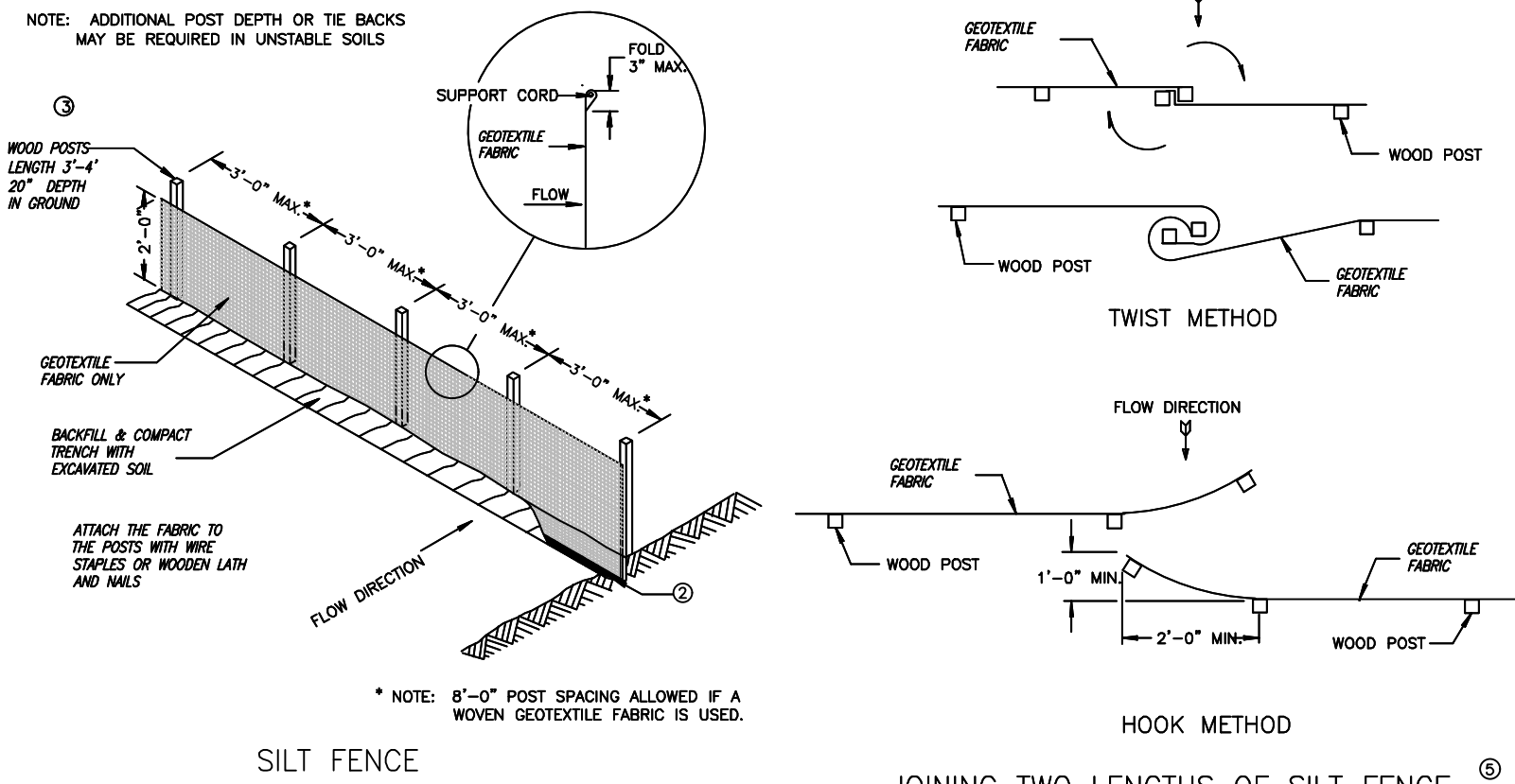
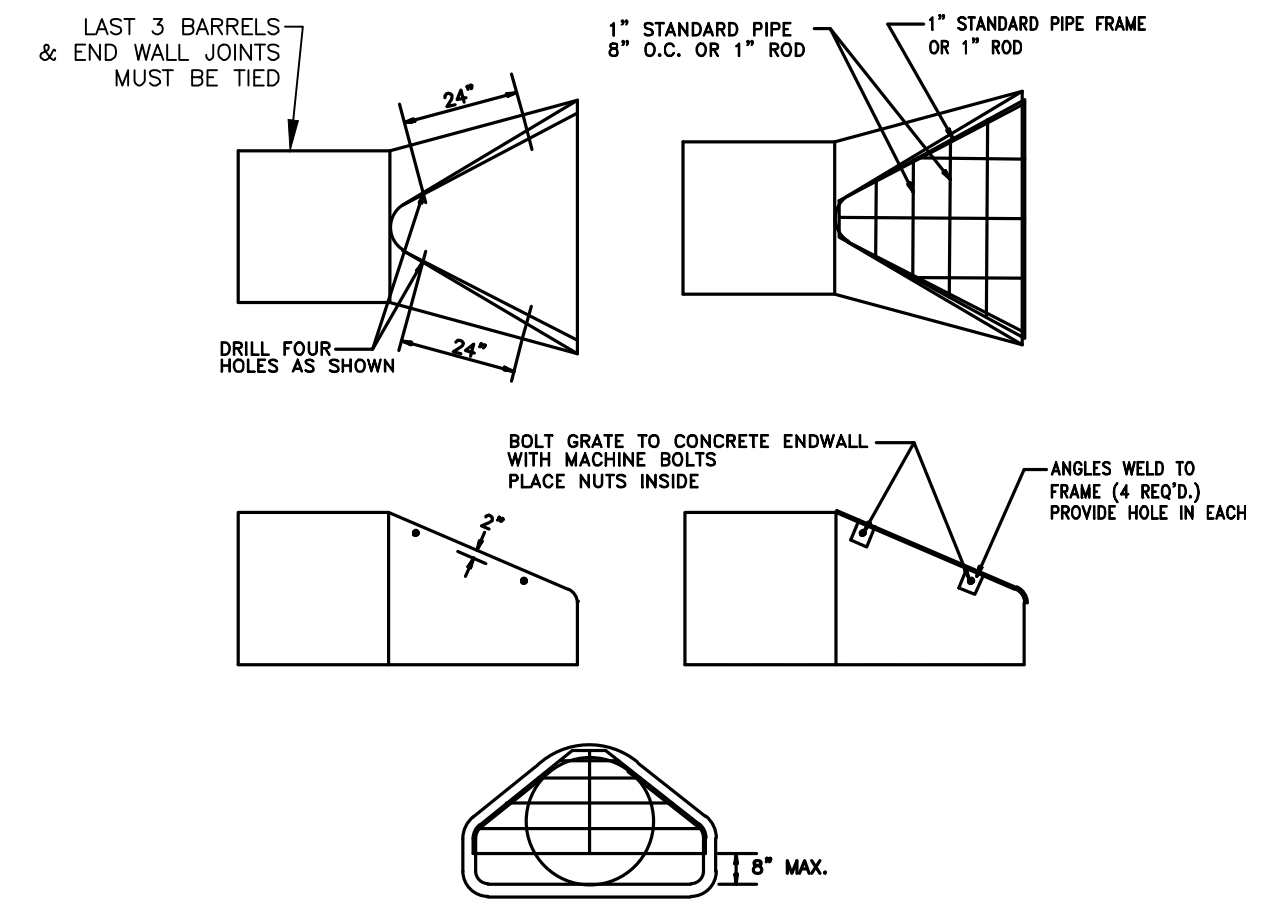
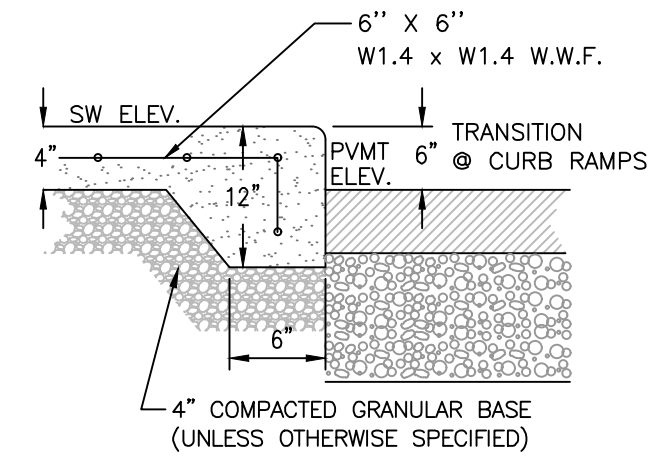
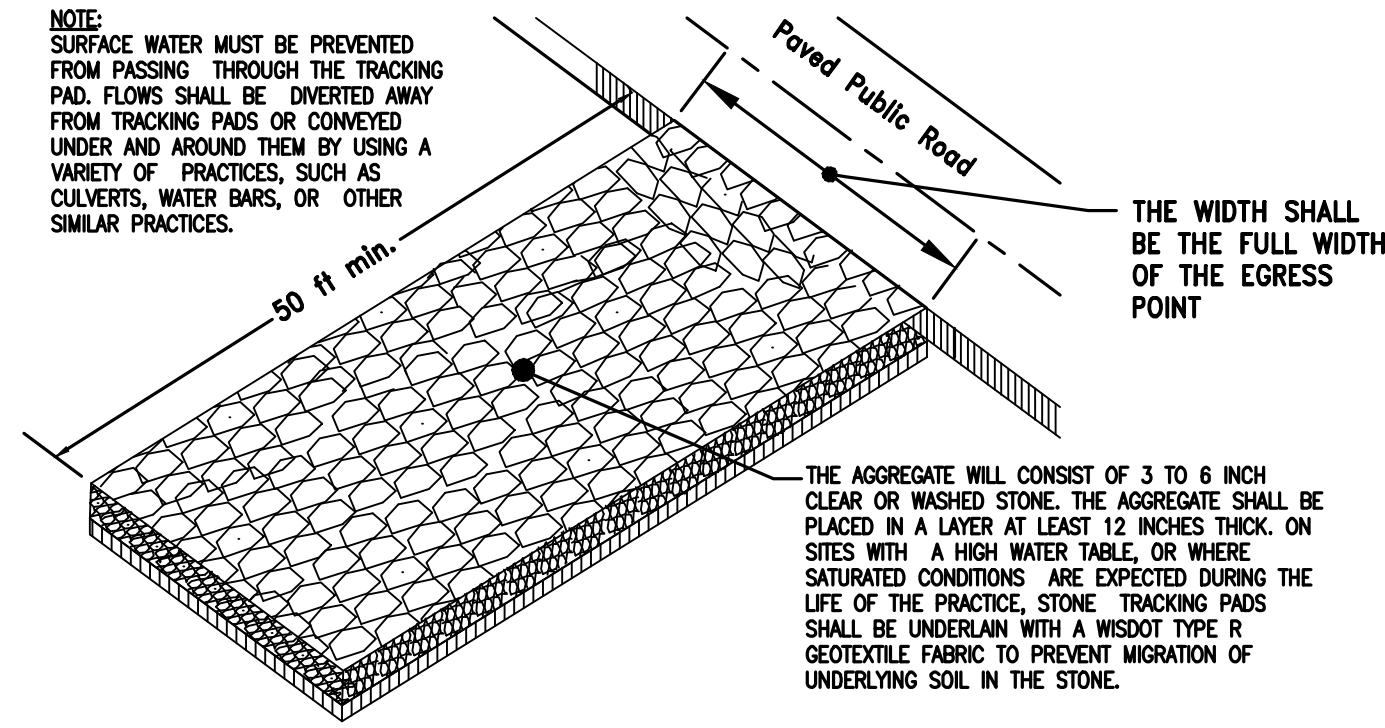
-CONTRACTOR SHALL BE PREPARED FOR DEWATERING CONDITIONS BY HAVING APPROPRIATE PUMPS AND FILTER BAGS ONSITE FOR DEWATERING AND REMOVAL OF ALL SEDIMENT PER CITY, COUNTY AND WDRN REQUIREMENTS PER TECHNICAL STANDARD 1061.

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:

1. 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.
2. 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.
3. 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.
4. 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.
5. THE OWNER IS RESPONSIBLE FOR OBTAINING A GRADING AND/OR EROSION CONTROL PERMIT (OR ANY OTHER APPLICABLE PERMITS) PRIOR TO CONSTRUCTION.
6. 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 1-800-242-9511.
7. 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.
8. INLETS SHALL BE PROTECTED WITH AN EROSION BARRIER MEETING WDRN TECHNICAL STANDARD 1060 UNTIL THE AREA HAS BEEN STABILIZED. FREQUENT INSPECTION AND TIMELY MAINTENANCE IS REQUIRED.
9. 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.
10. ALL DISTURBED AREAS SHALL BE REVEGETATED WITHIN SEVEN DAYS AFTER BEING DISTURBED USING THE SEED MIX SPECIFIED ON THE PLANS.
11. 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.
12. REFER TO EROSION CONTROL PLAN FOR SITE EROSION CONTROL ELEMENTS, REQUIREMENTS.



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.

INSTALLATION NOTES:
TYPE B & C
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
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.

WISCONSIN PROFESSIONAL ENGINEER
CHRISTOPHER D. HITCH
E-37026
BROOKFIELD, WI

TRIO
DESIGN • LAND SURVEYING
CIVIL ENGINEERING

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PROJECT:
LIVING WORD LUTHERAN CHURCH

CITY OF WAUKESHA, WISCONSIN
BY: LIVING WORD LUTHERAN CHURCH
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REVISION HISTORY

DATE	DESCRIPTION
06/06/2018	INITIAL SUBMITTAL

DATE:
JUNE 6, 2018

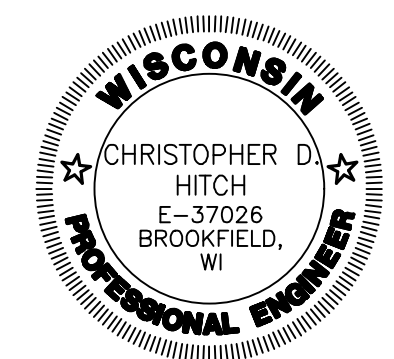
JOB NUMBER:
15025

DESCRIPTION:
CONSTRUCTION NOTES & DETAILS

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PROJECT:
LIVING WORD LUTHERAN CHURCH
CITY OF WALKESHA, WISCONSIN
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REVISION HISTORY

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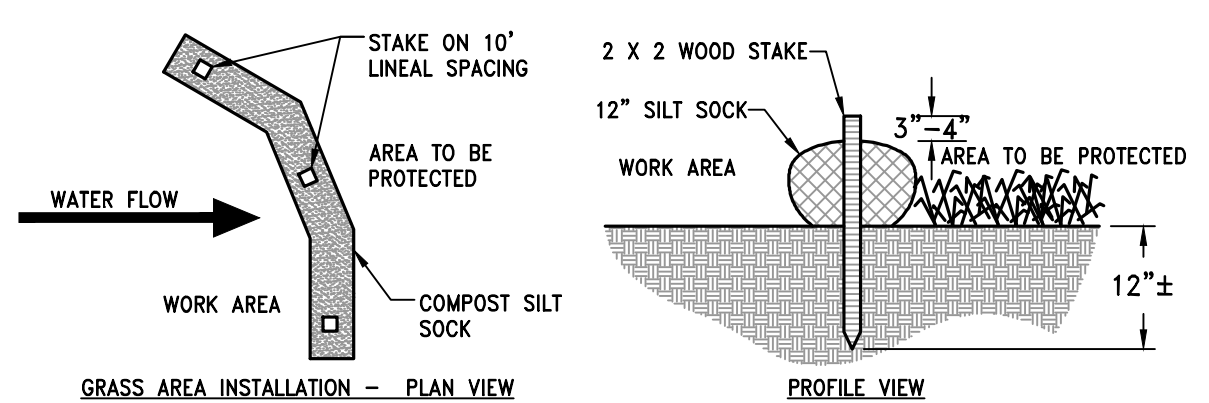
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CONSTRUCTION
NOTES & DETAILS

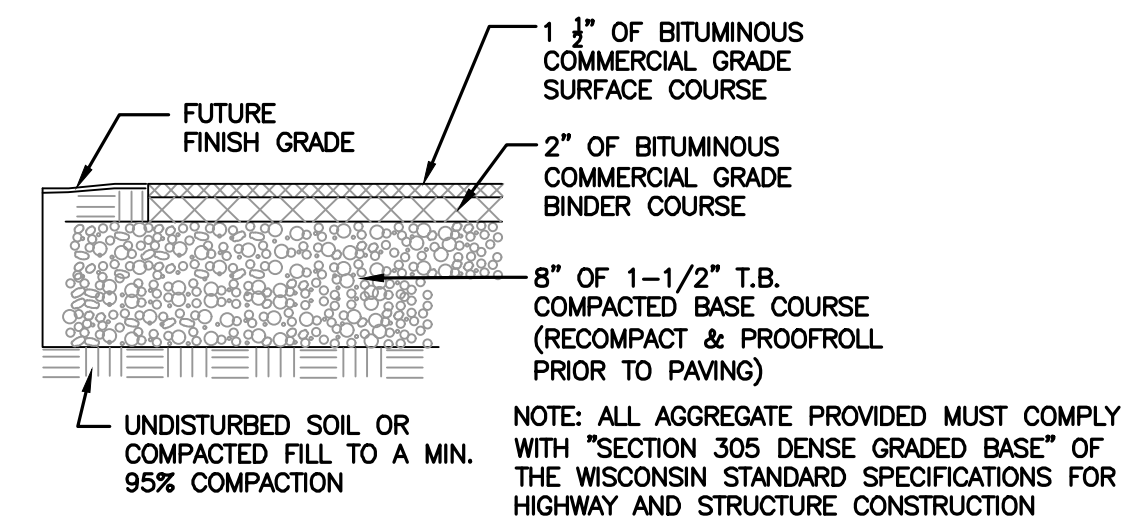
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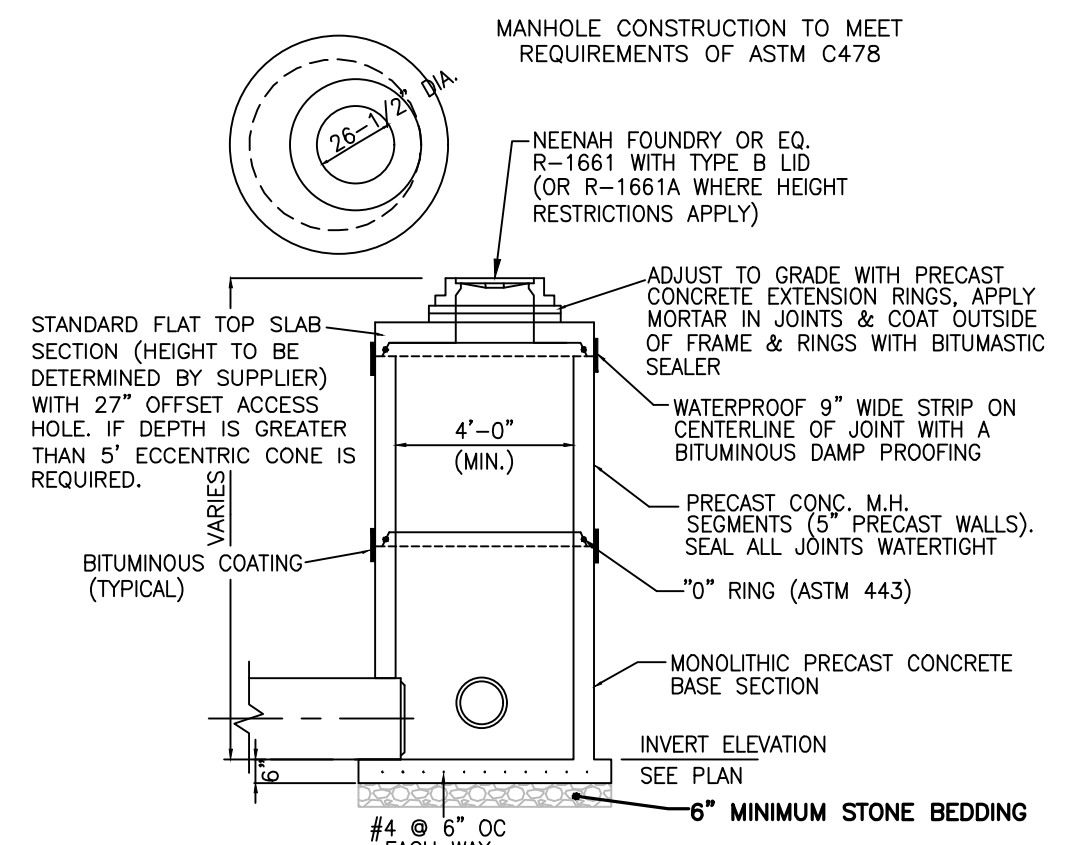
- NOTES:**
1. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS REFER TO MANUFACTURER'S AND/OR SUPPLIER'S SPECIFICATIONS FOR INSTALLATION RECOMMENDATIONS. ACTUAL LOCATION MAY BE FIELD ADJUSTED TO MINIMIZE DISTURBANCE TO EXISTING VEGETATION.

SILT SOCK DETAIL
NO SCALE



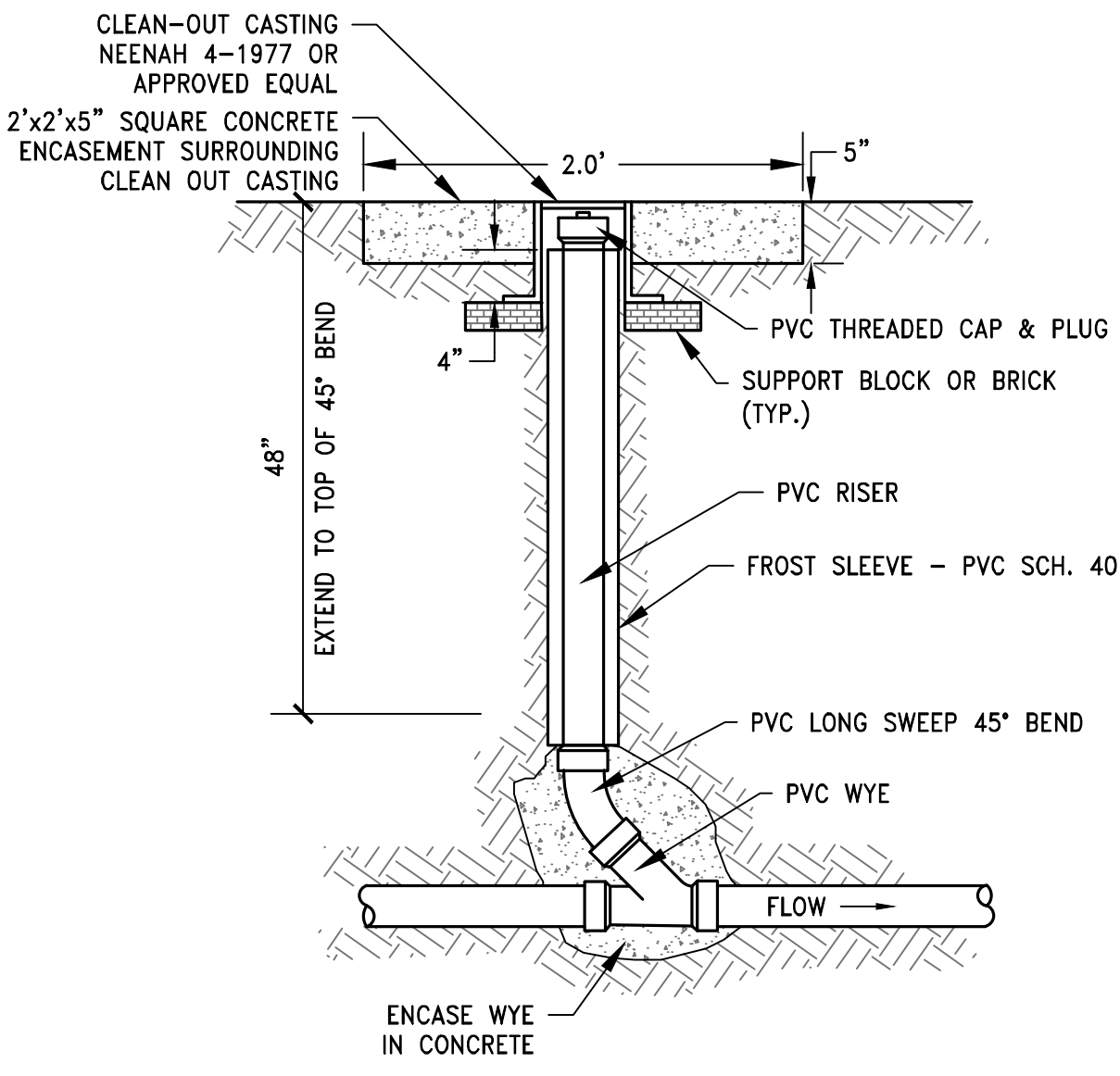
STANDARD DUTY ASPHALT PAVING SECTION
NO SCALE

- NOTE:**
1. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL VERIFY THE EXISTING BASE COURSE MATERIAL DEPTH AND PROVIDE MINIMUM CROSS-SECTION WHERE DEFICIENT.
 2. PROOFROLL BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
 3. STANDARD DUTY ASPHALT TO BE USED UNLESS OTHERWISE NOTED



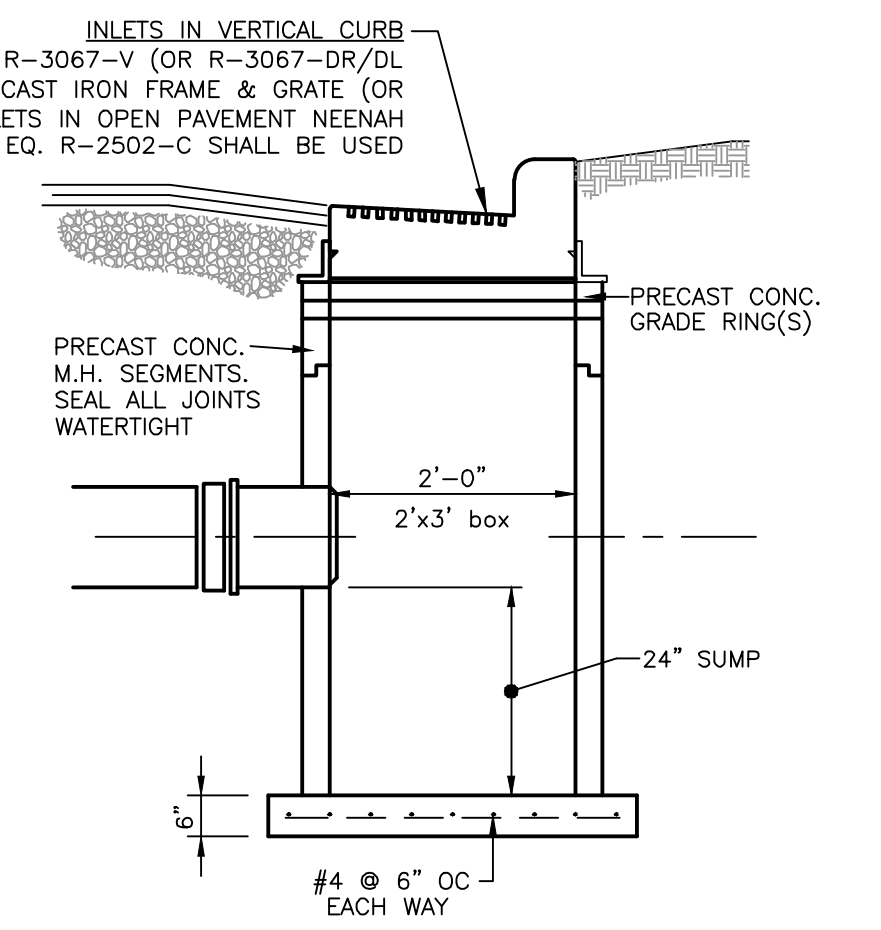
- NOTES:**
1. EZ-STICK RUBBER GASKET OR APPROVED EQUAL SHALL BE PLACED AT ALL JOINTS BETWEEN ADJUSTING RINGS.
 2. MINIMUM OF 2\"/>

STORM MANHOLE DETAIL
NO SCALE

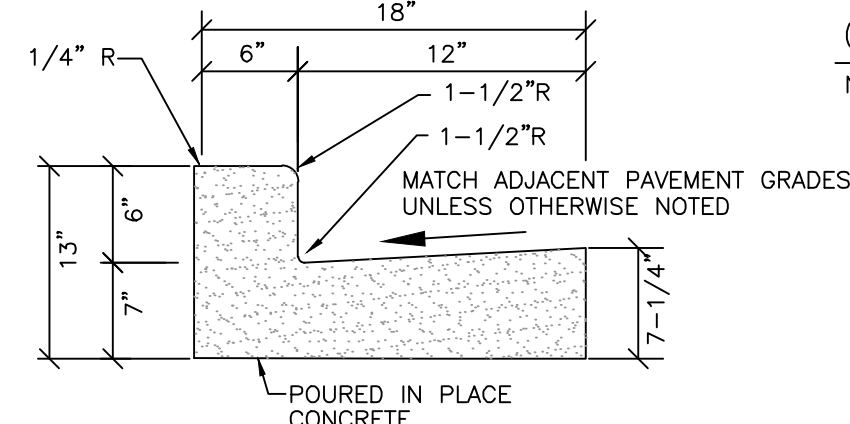


CLEAN-OUT STRUCTURE DETAIL
NO SCALE

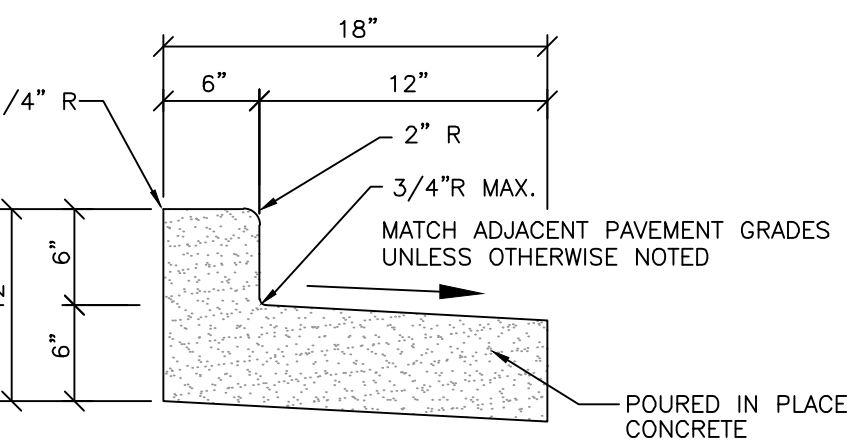
NOTE: THIS DETAIL IS TO BE USED WHEN CLEAN-OUT LOCATION FALLS WITHIN PAVEMENT



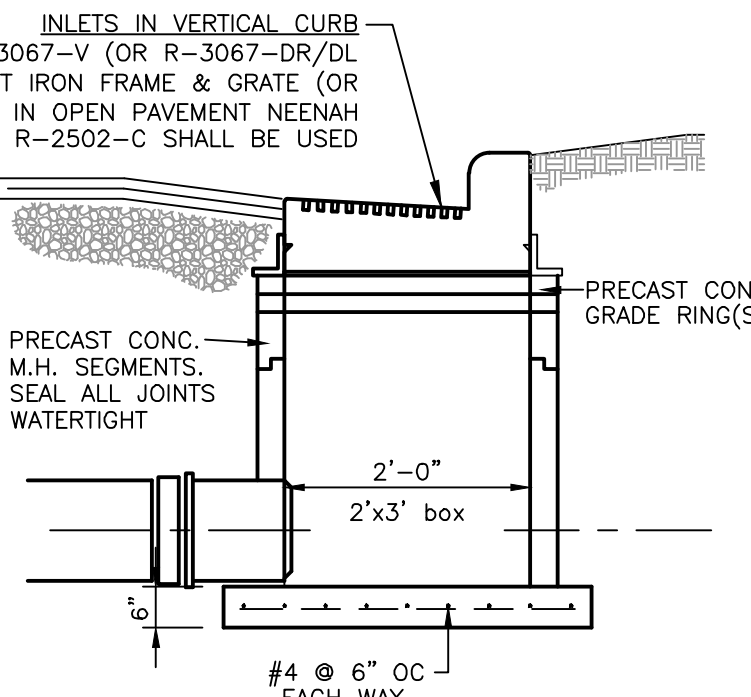
STORM SEWER CATCH BASIN
NO SCALE



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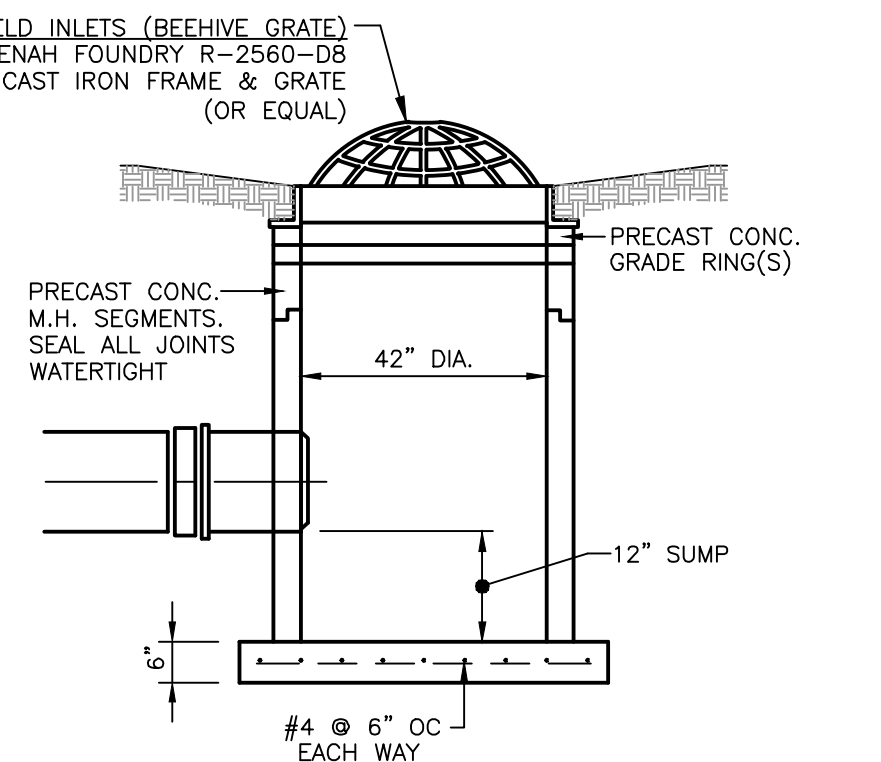


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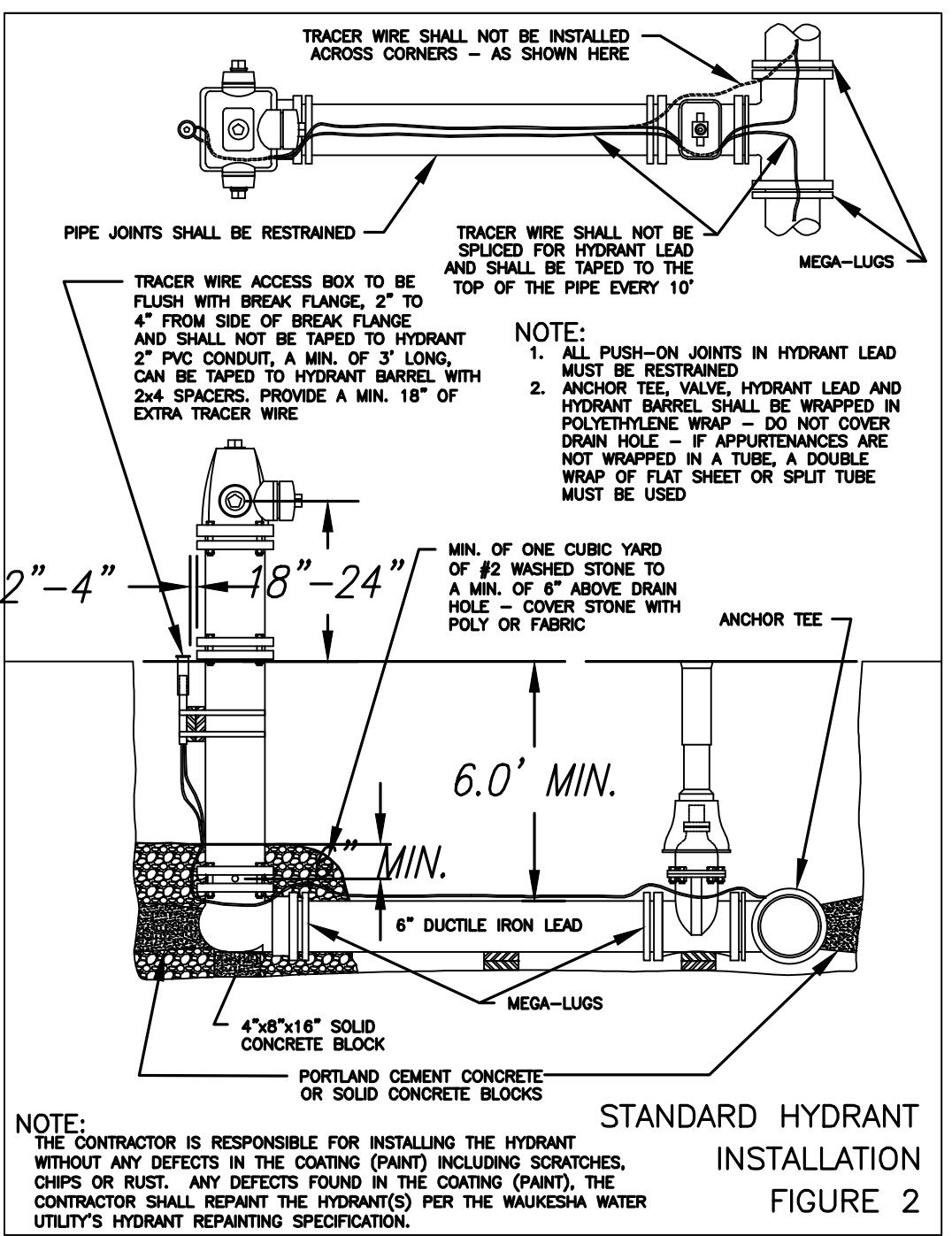


STORM SEWER INLET
NO SCALE

NOTE: STORM SEWER CASTINGS WITHIN THE OIL-DE-SAC SHALL BE NEENAH R-3228 K FRAMES WITH TYPE C GRATES FOR STRAIGHT FACE CURB AND NEENAH R-3501-R WITH TYPE C GRATES FOR ROLL FACE CURB.

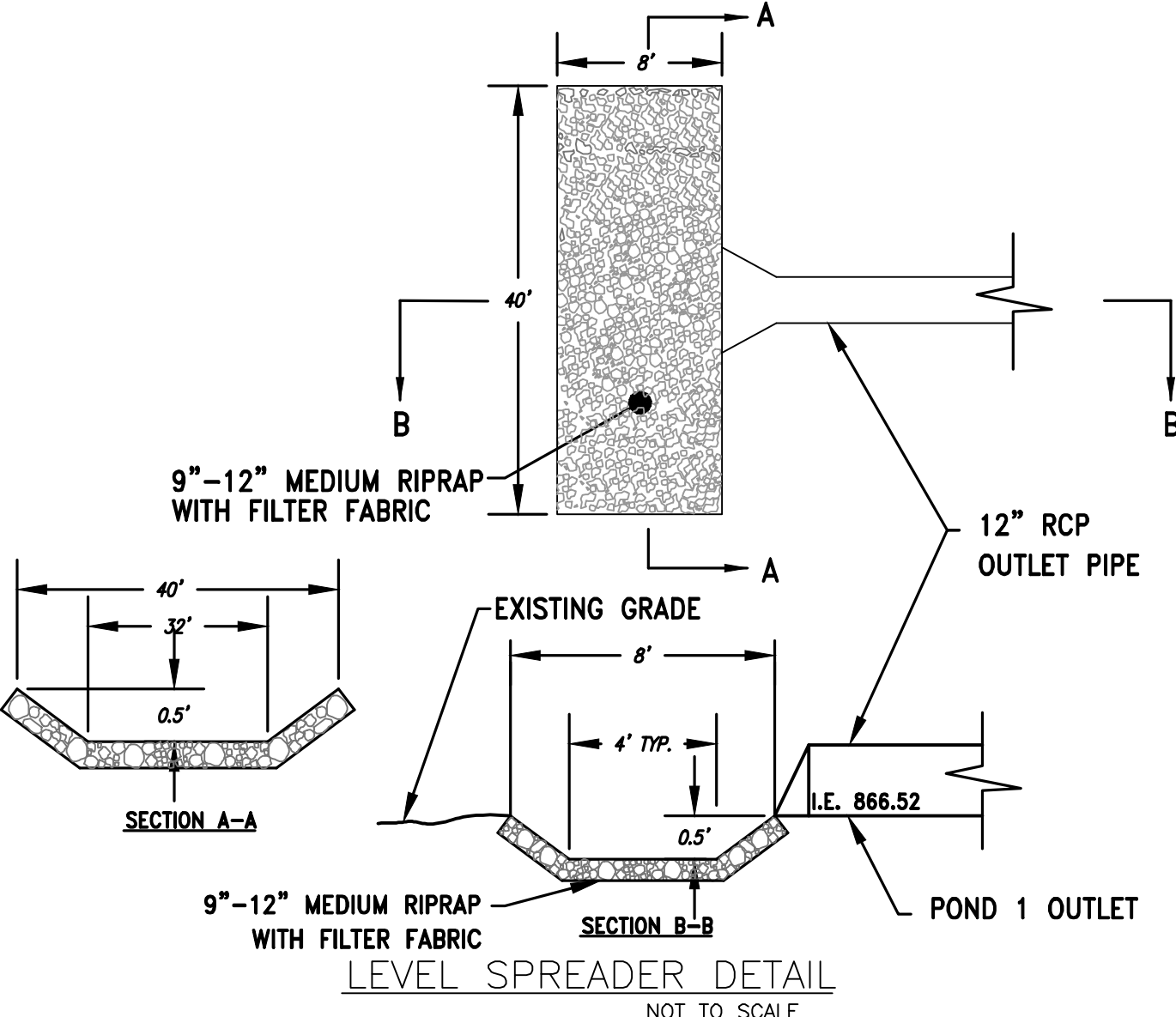


STORM SEWER FIELD INLET DETAIL
NO SCALE

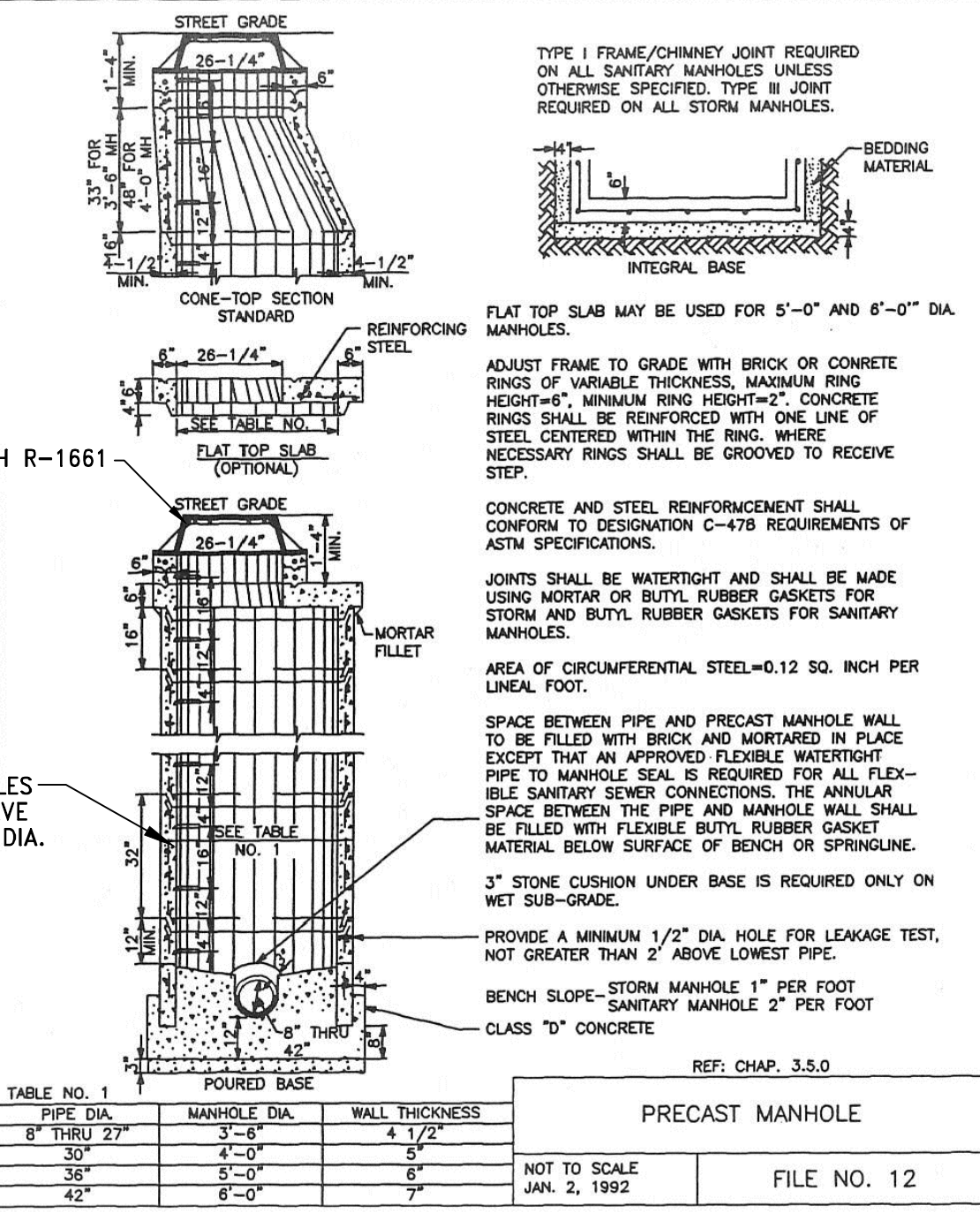


STANDARD HYDRANT INSTALLATION
FIGURE 2

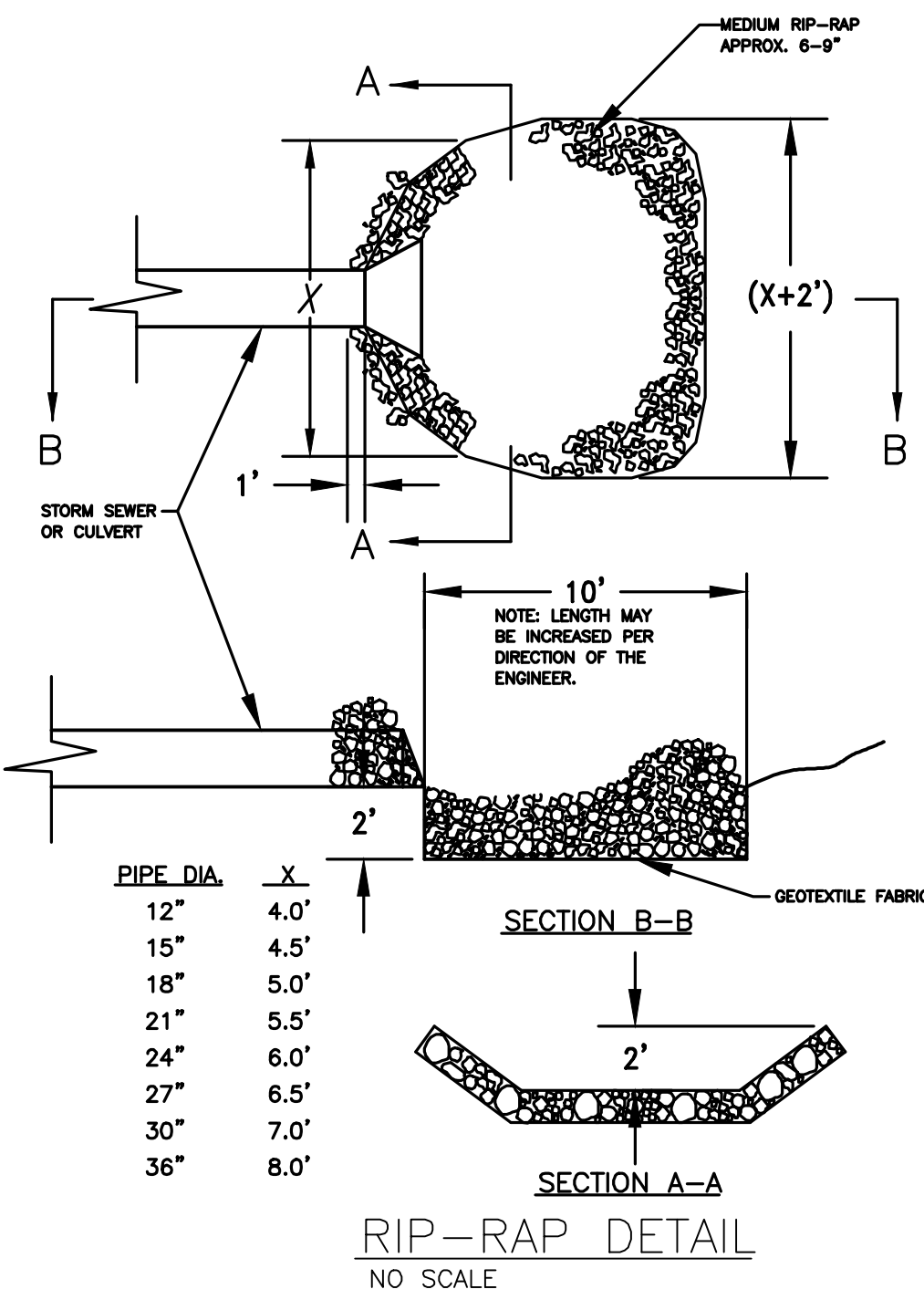
NOTE: THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE HYDRANT WITHOUT ANY DEFECTS IN THE COATING (PAINT) INCLUDING SCRATCHES, CHIPS OR RUST. ANY DEFECTS FOUND IN THE COATING (PAINT), THE CONTRACTOR SHALL REPAINT THE HYDRANT(S) PER THE WALKESHA WATER UTILITY'S HYDRANT REPAINTING SPECIFICATION.



LEVEL SPREADER DETAIL
NOT TO SCALE



SANITARY MANHOLE DETAIL
NO SCALE



RIP-RAP DETAIL
NO SCALE

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