

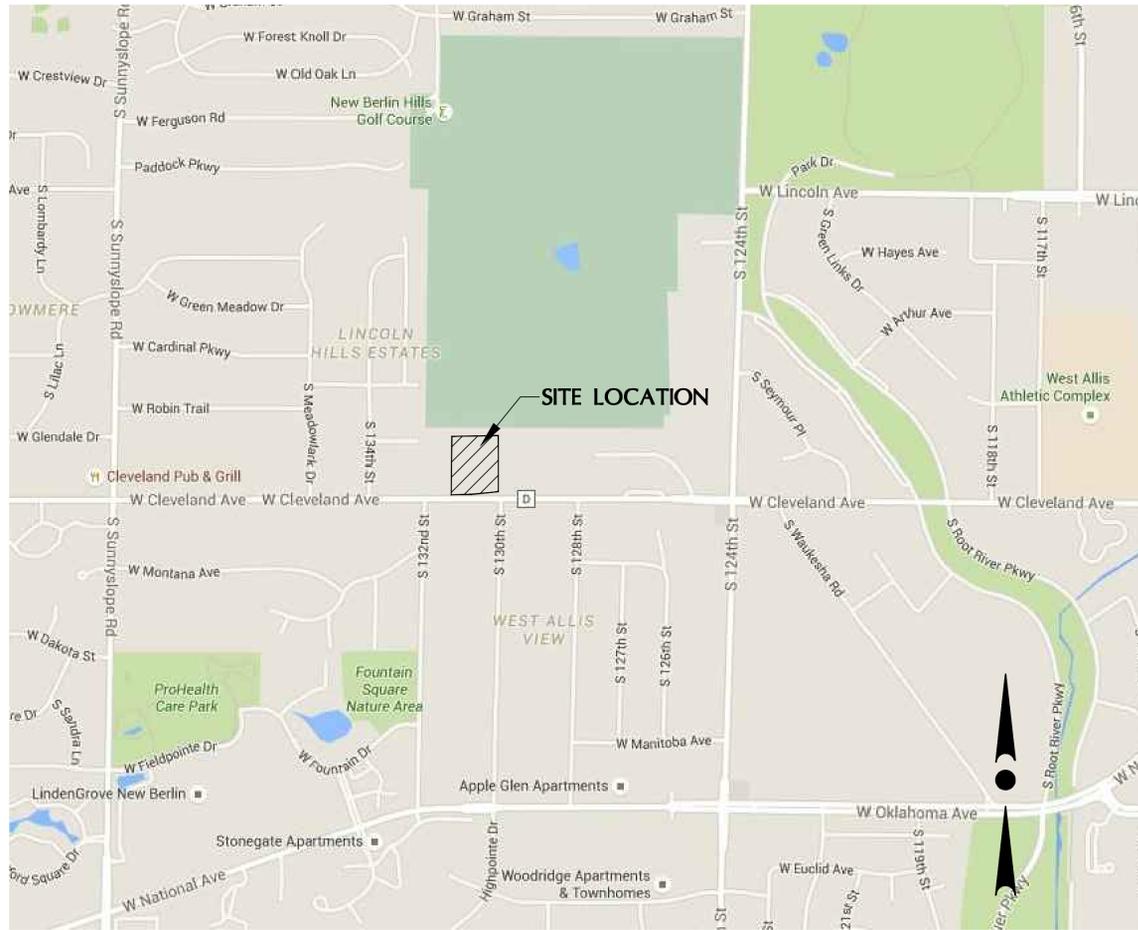
GENERAL NOTES

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
 -MNR STORMWATER RUNOFF TECHNICAL STANDARDS.
 -WSDOT PAL APPROVED EROSION CONTROL MEASURES LIST, LATEST EDITION.
 -CITY OF NEW BERLIN STANDARDS & REQUIREMENTS FOR DEVELOPMENT, JULY 18, 2016.
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 AS REQUIRED BY MUNICIPAL ORDINANCE.

GRAND HILLS CASTLE

PROPOSED SITE DEVELOPMENT PLANS

13050 W. CLEVELAND AVENUE
CITY OF NEW BERLIN, WISCONSIN



SITE LOCATION MAP
NOT TO SCALE



SITE AERIAL MAP
NOT TO SCALE



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.



12660 W. NORTH AVENUE
BROOKFIELD, WI 53005
PHONE: (262) 790-1480
FAX: (262) 790-1481
EMAIL: j.pudek@trioeng.com

PROJECT:
GRAND HILLS CASTLE
COMMUNITY BASED RESIDENTIAL FACILITY
CITY OF NEW BERLIN, WISCONSIN
BY: MAGILL CONSTRUCTION COMPANY, INC.
977 KOOPMAN LANE
ELKHORN, WI 53121

REVISION HISTORY

DATE	DESCRIPTION
11/18/2016	INITIAL SUBMITTAL

DATE:
NOVEMBER 18, 2016

JOB NUMBER:
16007

DESCRIPTION:
COVER SHEET

SHEET

T1

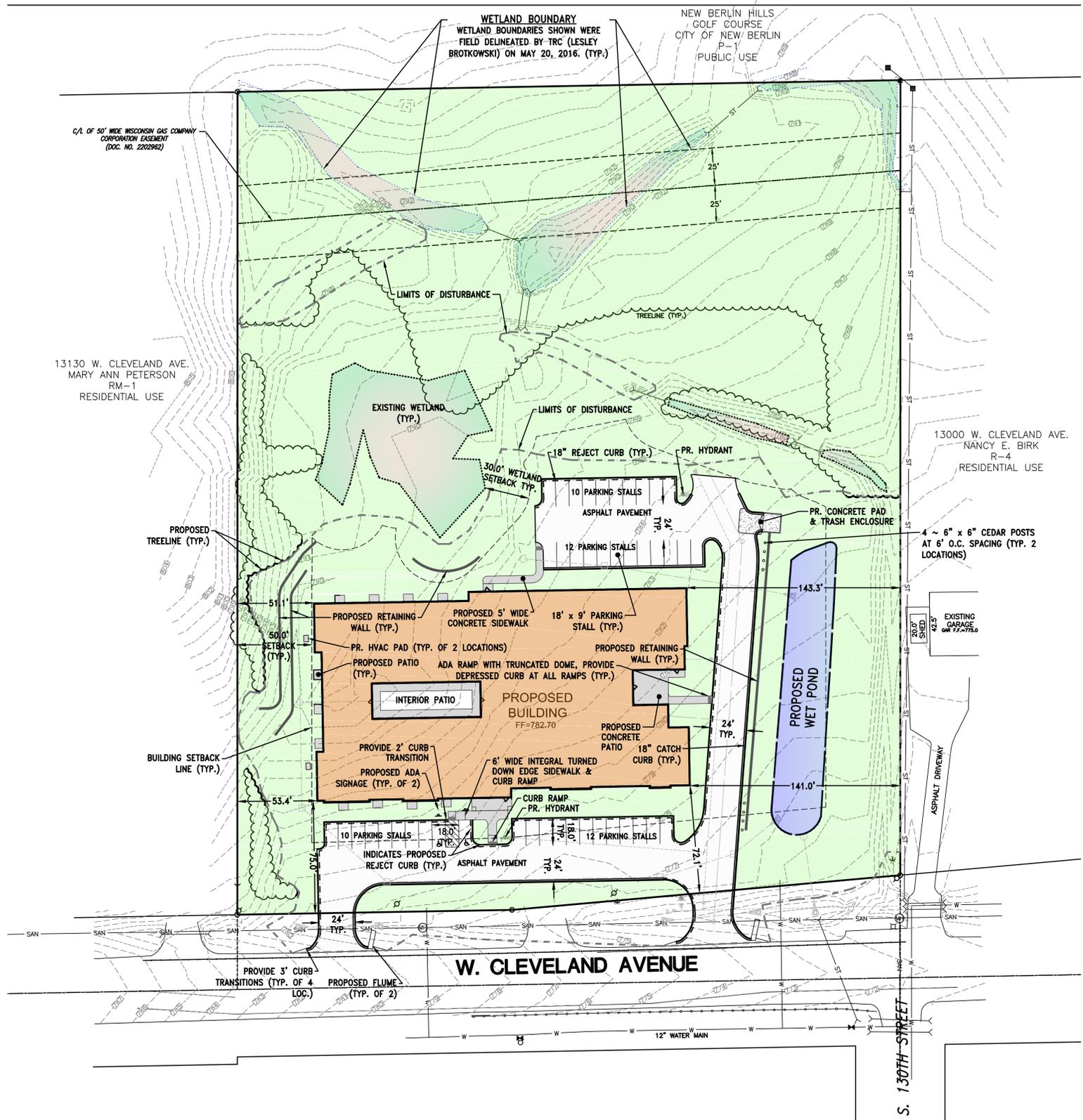
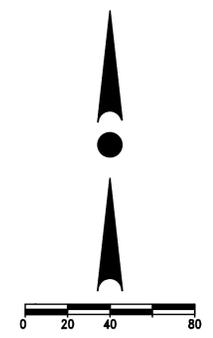
SHEET INDEX

CIVIL	
T1	COVER SHEET
C1.0	EXISTING SITE & DEMOLITION PLAN
C1.1	PROPOSED SITE PLAN
C1.2	MASTER GRADING & DRAINAGE PLAN
C1.3	PROPOSED STORM SEWER PLAN
C1.4	EROSION CONTROL PLAN
C1.5	PROPOSED SANITARY & WATERMAIN PLAN
C1.6	DETAILS AND SPECIFICATIONS



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SITE DATA	
TOTAL LOT AREA:	242,287 S.F. (5.562 Acres)
PROPOSED BUILDING FOOTPRINT:	30,402± S.F. (0.698± Acres) 12.5% of Lot
PROPOSED PARKING & DRIVE:	31,665 S.F. (0.727 Acres) 13.1% of Lot
PROPOSED SIDEWALK & PATIOS:	2,880 S.F. (0.066 Acres) 1.2% of Lot
TOTAL IMPERVIOUS AREA:	64,820 S.F. (1.491 Acres) 26.8% of Lot
TOTAL OPEN SPACE:	177,340 S.F. (4.07 Acres) 73.2% of Lot
TOTAL PARKING SPACES:	44 SPACES
2 HANDICAP PARKING SPACE ARE PROVIDED	



LEGEND:	
--- 90.4 ---	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
⊕	PROPOSED WATER VALVE
○	PROPOSED STORM SEWER
○	PROPOSED STORM MANHOLE
○	PROPOSED STORM INLET
---	PROPOSED STORM END SECTION

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DATE:
NOVEMBER 18, 2016

JOB NUMBER:
16007

DESCRIPTION:
PROPOSED SITE PLAN

SHEET

C1.1

H:\C900\9996\16007-01\CONSTRUCTION PLANS\CIVIL PLANS-GRAND HILLS CASTLE-24X36.DWG



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NOTE:
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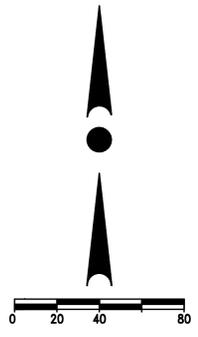
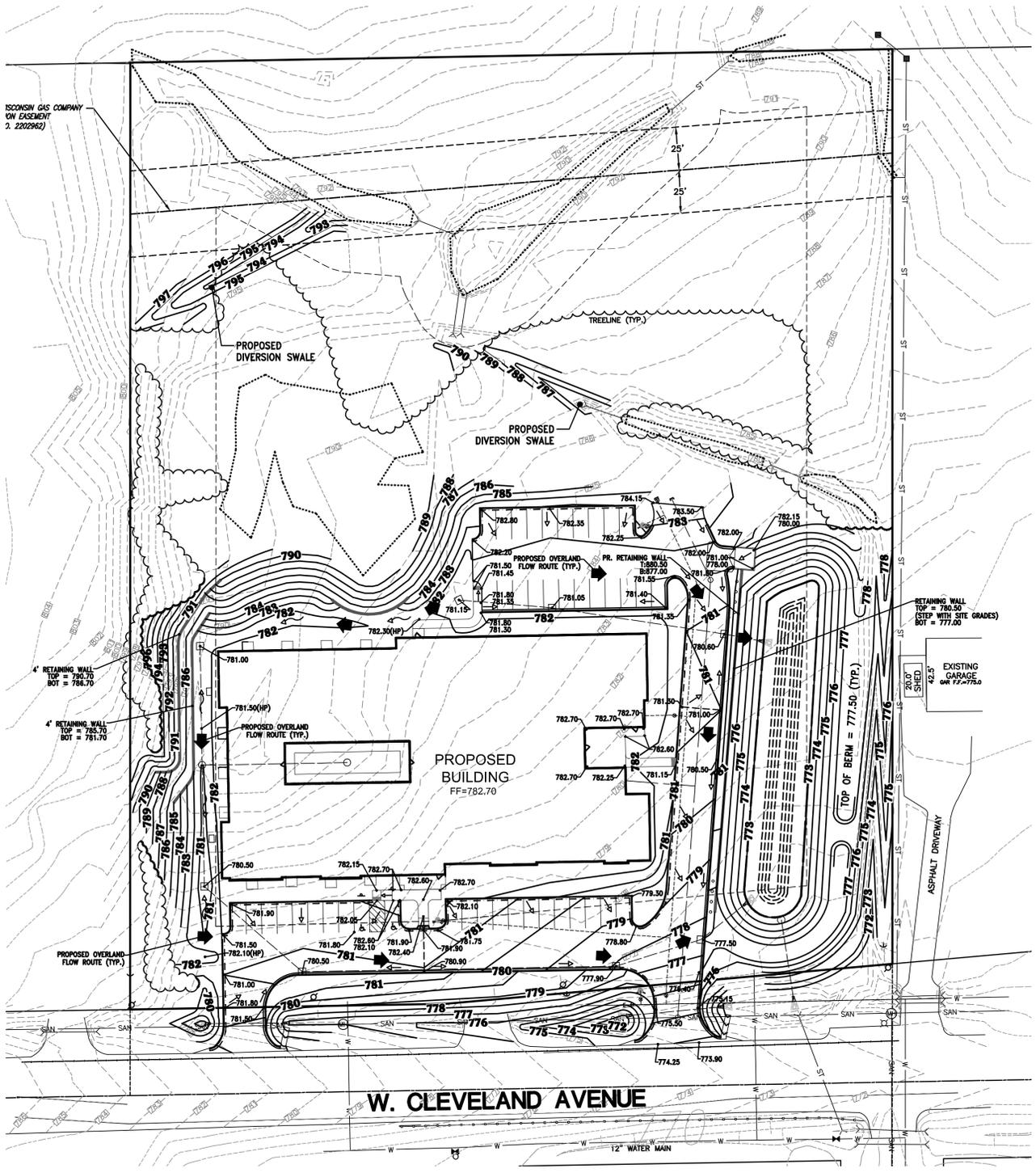
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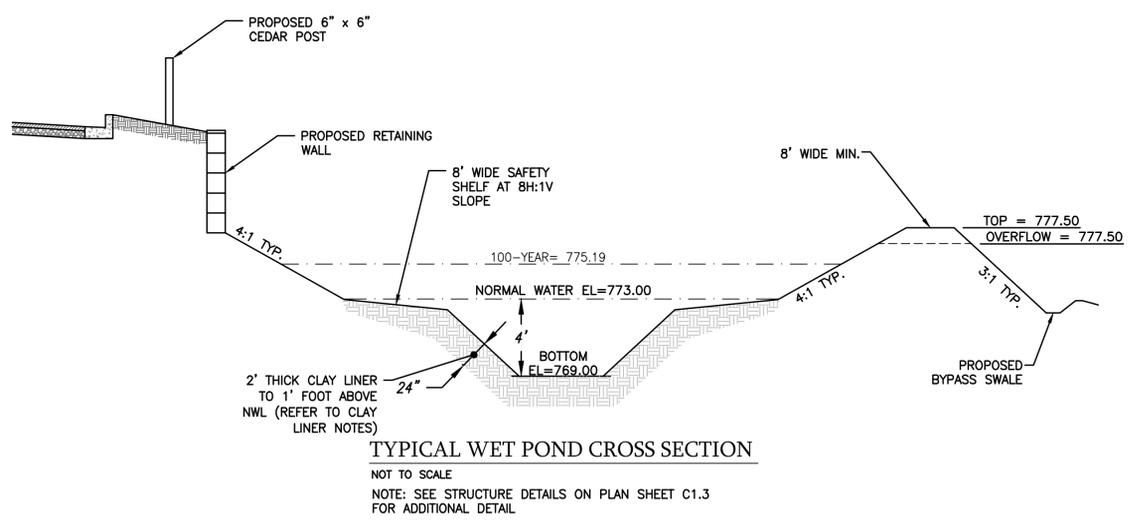
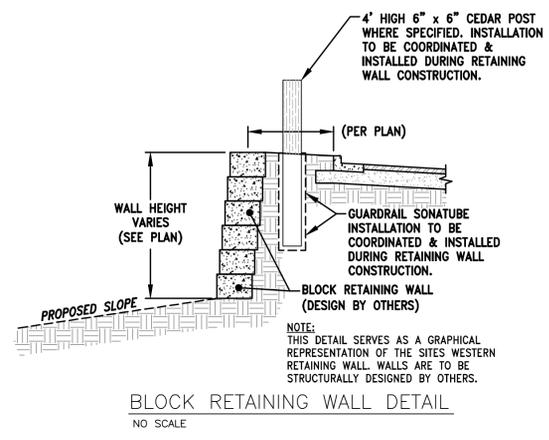
DESCRIPTION:
MASTER GRADING
& DRAINAGE
PLAN

SHEET

C1.2



LEGEND:	
--- 904 ---	EXISTING CONTOUR
--- 904 ---	PROPOSED CONTOUR
→	PROPOSED FLOW ARROW
XXX.XX	PROPOSED SPOT ELEVATION
FF=870.00	PROPOSED FINISHED FLOOR ELEV.



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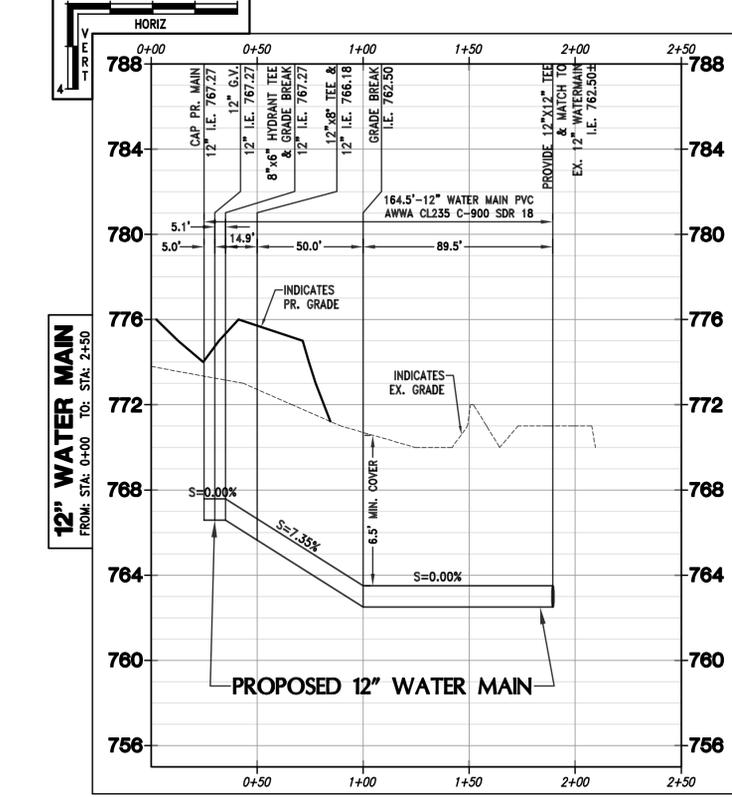
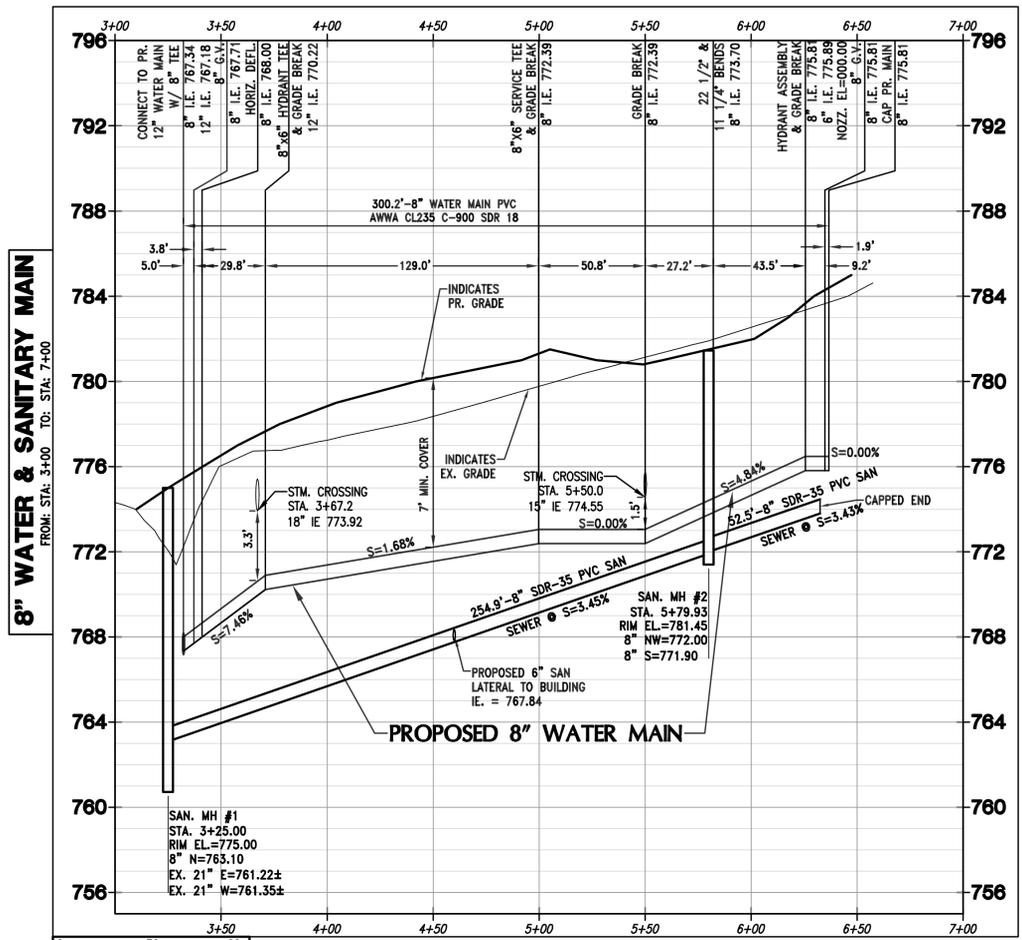
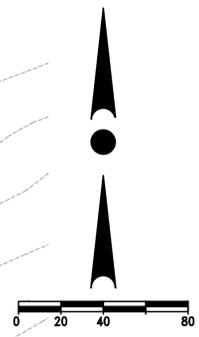
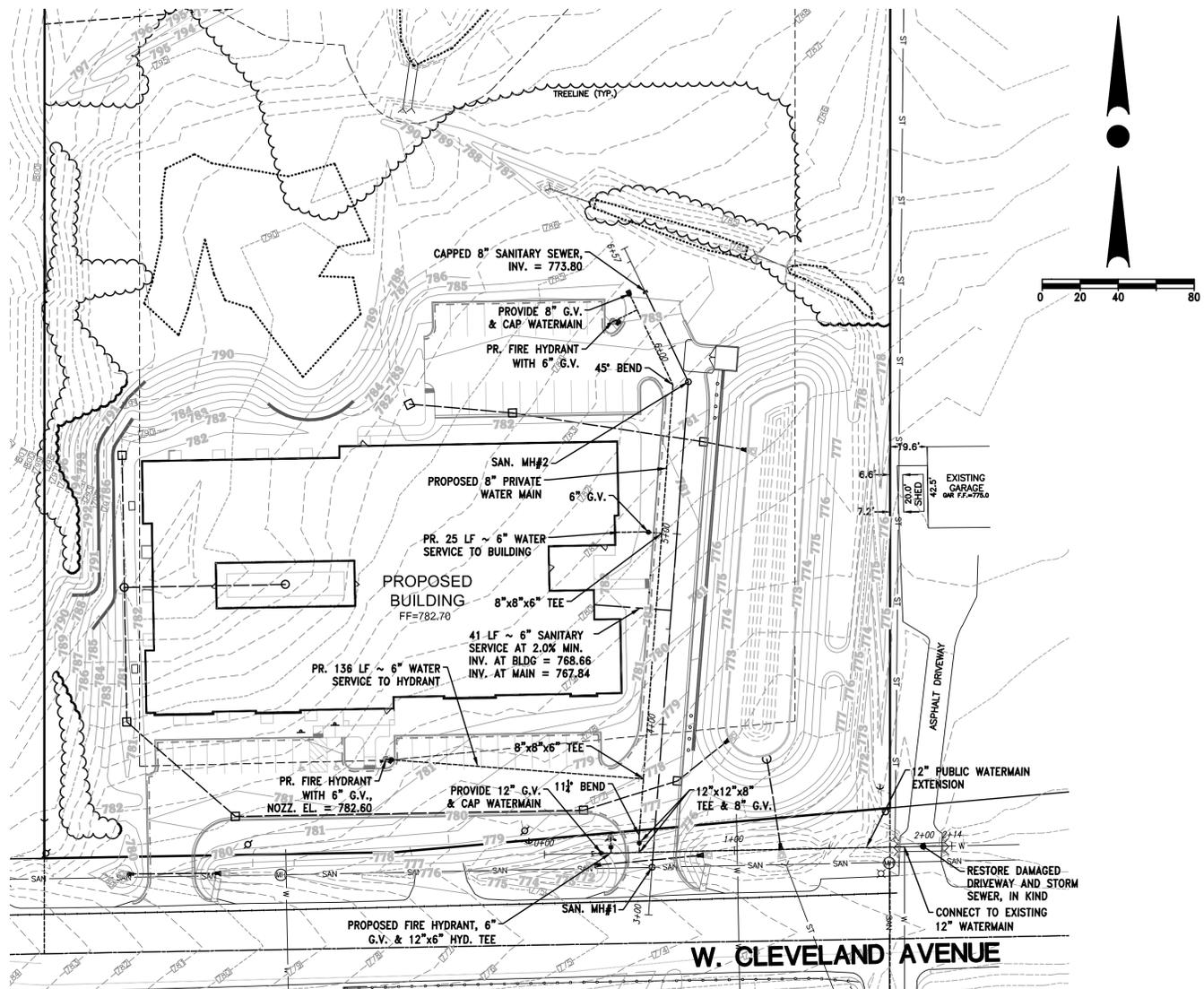
DATE:
NOVEMBER 18, 2016

JOB NUMBER:
16007

DESCRIPTION:
PROPOSED
SANITARY &
WATERMAIN PLAN

SHEET

C1.5



LEGEND:

--- 90.4' ---	EXISTING CONTOUR
---	EXISTING SANITARY SEWER
○	EXISTING SANITARY MANHOLE
---	EXISTING WATER MAIN
○	EXISTING HYDRANT
---	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

UTILITY PLAN NOTES:

- PRIOR TO CONSTRUCTION OF ANY UTILITIES, CONTRACTOR IS TO VERIFY THAT THE PROPOSED UTILITIES SHOWN ON THIS PLAN THAT ENTER THE PROPOSED BUILDING(S) CORRESPOND WITH THE UTILITIES ON THE PLUMBING PLANS AS THEY EXIT THE BUILDING(S). CONTRACTOR TO REPORT IN WRITING ANY DISCREPANCIES IN SIZE, LOCATION, OR INVERT ELEVATION TO THE DESIGN ENGINEER IMMEDIATELY FOR RESOLUTION OF THE CONFLICT IN WRITING.
- GENERAL CONTRACTOR TO COORDINATE THE INSTALLATION AND PERMITTING OF THE PUBLIC UTILITIES, SUCH AS GAS, ELECTRIC, TELEPHONE, CABLE AND FIBER OPTICS, WITH THE PUBLIC UTILITY COMPANIES AND ARCHITECT PRIOR TO CONSTRUCTION. THE INSTALLATION OF THE PUBLIC UTILITIES AND NECESSARY SLEEVING TO BE INCLUDED AS PART OF GENERAL CONTRACTOR'S SCOPE OF WORK FOR THIS PROJECT.

SANITARY SEWER NOTES

SANITARY SEWER

- ALL PVC SEWER PIPE SHALL MEET THE REQUIREMENTS SET FORTH IN SECTION 8.10.0 (SSSWC).
- ALL SANITARY SEWER LATERALS (OUTSIDE OF BUILDINGS) SHALL BE MADE OF GASKETED PVC FITTINGS MEETING ASTM D-3034, SDR 35.
- TRACER WIRE IS REQUIRED FOR ALL SANITARY SEWER LATERALS.

TRACER WIRE NOTE

- CONTRACTOR SHALL INSTALL PLASTIC COATED TRACER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE) PER SPS 382.30(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.

WATERMAIN NOTES

WATERMAIN

- ALL PVC WATERMAIN CONSTRUCTED AS PART OF THIS PLAN SHALL BE PVC, C-900, CLASS 150 (DR18). PVC PIPE SHALL HAVE PUSH-ON JOINTS WITH RUBBER GASKET.
- 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 (SSSWC).
- BLUE TRACER WIRE IS REQUIRED FOR ALL WATERMAIN LATERALS.
- DO NOT CONNECT TO PUBLIC WATER MAIN UNTIL AUTHORIZED BY THE CITY OF NEW BERLIN SEWER AND WATER UTILITY.

TRACER WIRE NOTE

- CONTRACTOR SHALL INSTALL PLASTIC COATED TRACER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE) PER SPS 382.30(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.

NOTE:

- ALL MATERIALS SHALL BE APPROVED BY THE CITY OF NEW BERLIN PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION.
- SLURRY BACKFILL SHALL BE USED FOR ANY UTILITIES WITHIN THE PUBLIC STREET.
- ALL SANITARY SEWER, WATER AND STORM SEWER UTILITIES INSTALLED WITHIN THE PUBLIC RIGHT-OF-WAY AND/OR ARE TO BE TURNED OVER TO THE CITY SHALL FOLLOW THE CITY OF NEW BERLIN TECHNICAL STANDARDS.

NOTE:

- THE WATER AND SEWER UTILITY SUPERINTENDENT WILL REQUIRE INSPECTION OF ALL MAINS AND PUBLIC UTILITIES. NOTIFY THE SEWER AND WATER UTILITY 48 HOURS PRIOR TO START OF CONSTRUCTION OF ANY PUBLIC UTILITY OR WORK WITHIN THE PUBLIC RIGHT-OF-WAY. A 48 HOUR NOTICE IS REQUIRED PRIOR TO CONNECTING TO THE EXISTING WATER MAIN AND SANITARY SEWER SYSTEMS.

P:\C\900\996\16007-01\CONSTRUCTION PLANS\CIVIL PLANS-GRAND HILLS CASTLE-24X36.DWG

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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 NEW BERLIN DEVELOPMENT STANDARDS, JULY 18, 2016.

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-COONTRACTOR(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.

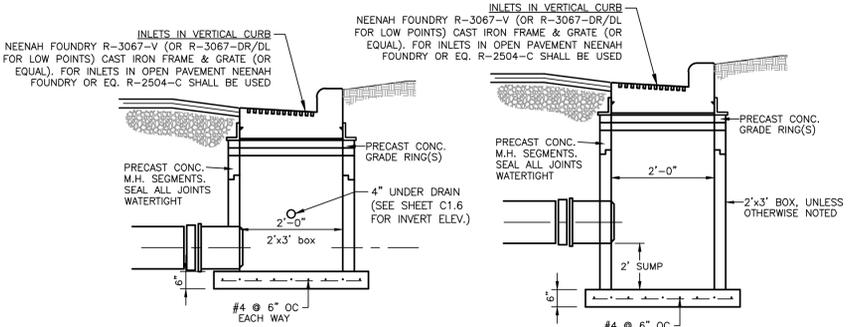
-CONTRACTOR SHALL BE PREPARED FOR DEWATERING CONDITIONS BY HAVING APPROPRIATE PUMPS AND FILTER BAGS ON SITE FOR DEWATERING AND REMOVAL OF ALL SEDIMENT PER CITY, COUNTY AND WDRN REQUIREMENTS PER TECHNICAL STANDARD 1061.

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.

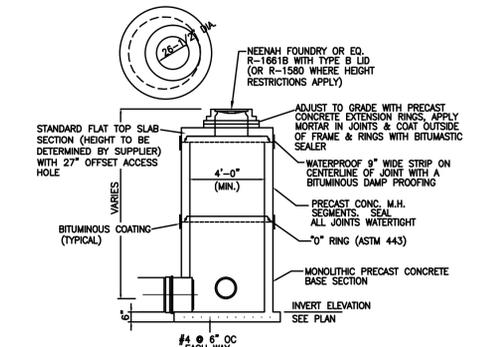
CONSTRUCTION NOTES:

- 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, CITY OF NEW BERLIN SEWER AND WATER UTILITY, 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 WDRN 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.

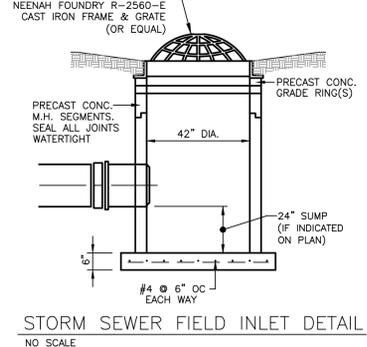


STORM SEWER INLET

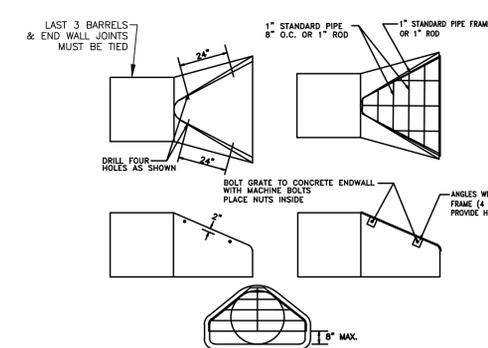
STORM SEWER CATCH BASIN



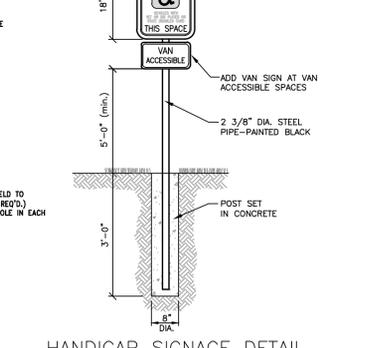
STORM MH DETAIL



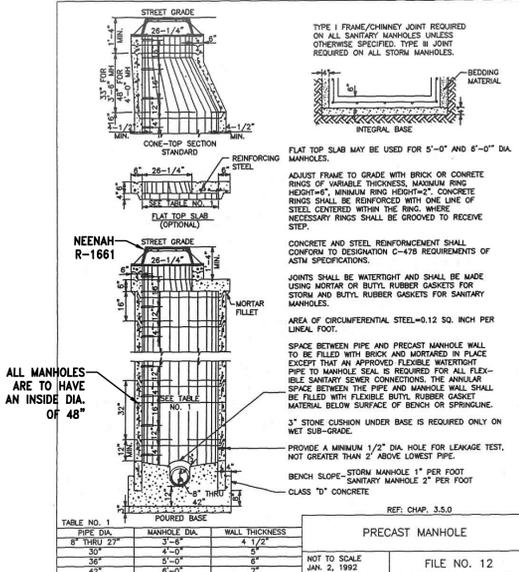
STORM SEWER FIELD INLET DETAIL



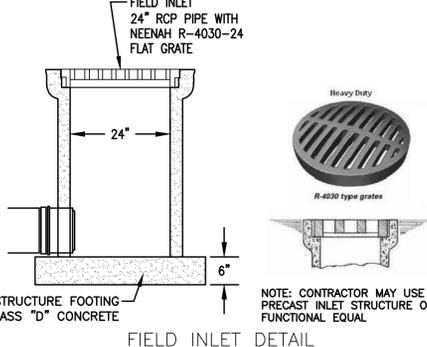
PIPE GRATE DETAIL



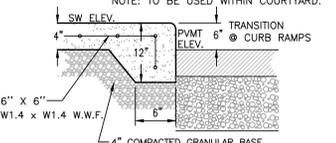
HANDICAP SIGNAGE DETAIL



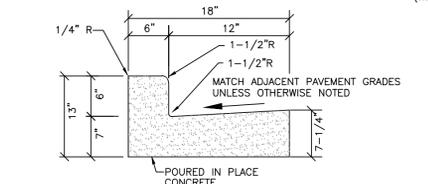
SANITARY MANHOLE DETAIL



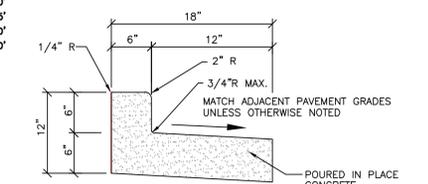
FIELD INLET DETAIL



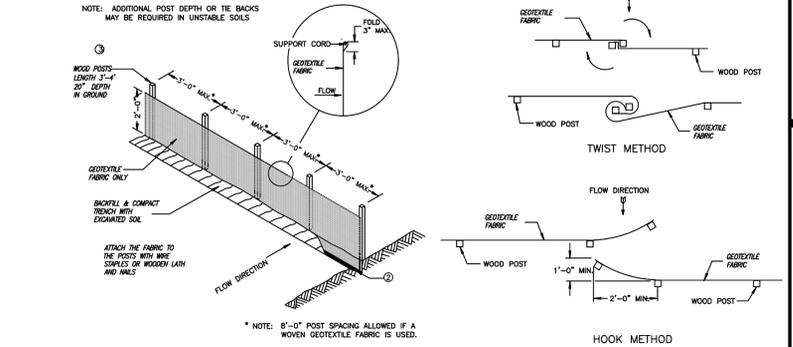
INTEGRAL SIDEWALK & BARRIER CURB



18" CONCRETE CATCH CURB & GUTTER

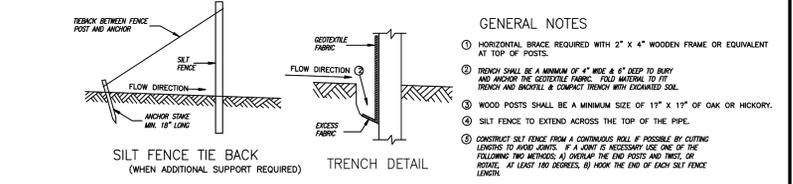


18" REJECT CURB & GUTTER DETAIL



SILT FENCE

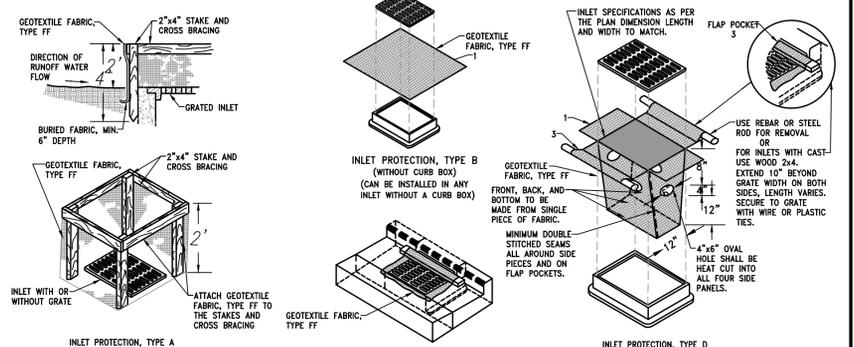
JOINING TWO LENGTHS OF SILT FENCE



SILT FENCE TIE BACK

TRENCH DETAIL

SILT FENCE INSTALLATION DETAIL



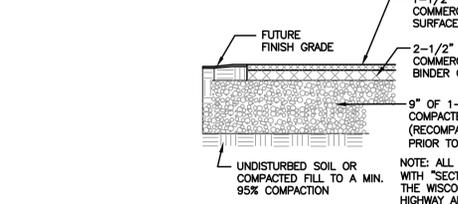
GENERAL NOTES:

INSTALLATION 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.
- 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.

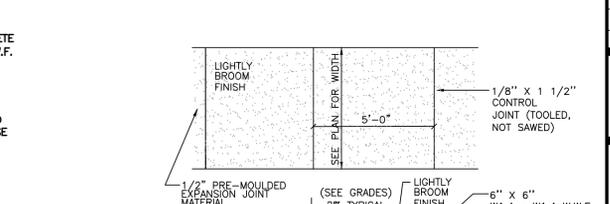
CONCRETE DUMPSTER PAD REQUIREMENT

CONCRETE DUMPSTER PAD REQUIREMENT



INLET PROTECTION DETAIL

INLET PROTECTION DETAIL



CONCRETE SIDEWALK

CONCRETE SIDEWALK

PARKING LOT ASPHALT PAVING DETAIL

PARKING LOT ASPHALT PAVING DETAIL



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PROJECT:
GRAND HILLS CASTLE
COMMUNITY BASED RESIDENTIAL FACILITY
CITY OF NEW BERLIN, WISCONSIN
BY: MAGILL CONSTRUCTION COMPANY, INC.
977 KOOPMAN LANE
ELKHORN, WI 53121

REVISION HISTORY	
DATE	DESCRIPTION
11/18/2016	INITIAL SUBMITTAL

DATE:
NOVEMBER 18, 2016

JOB NUMBER:
16007

DESCRIPTION:
DETAILS AND SPECIFICATIONS

SHEET

C1.6

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