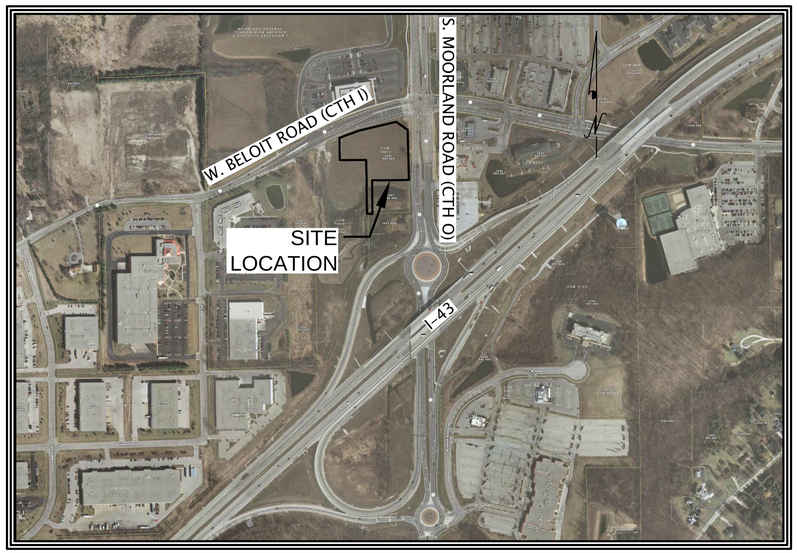
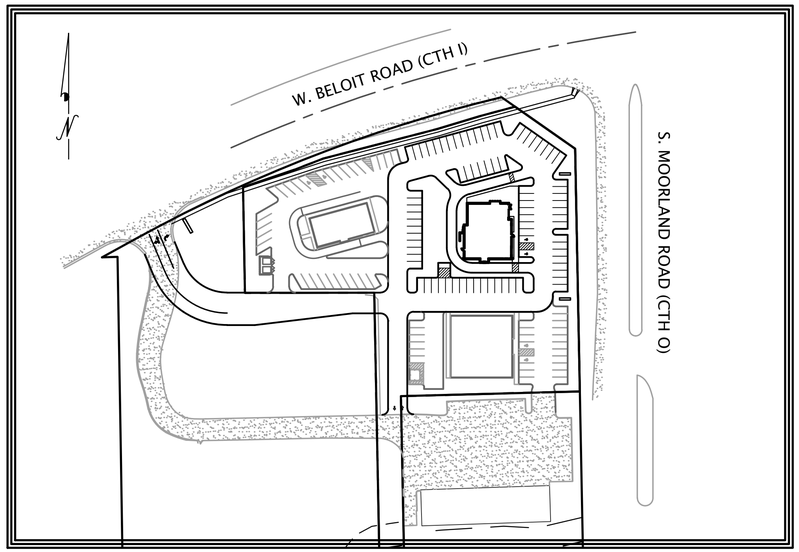
SITE IMPROVEMENT PLANS
FOR
PROSPECT CREEK SHOPPING CENTER
NEW BERLIN, WISCONSIN



VICINITY MAP



SITE MAP

DEVELOPER:
EVO DEVELOPMENT
5375 N 118TH CT
MILWAUKEE, WI 53225

ENGINEER:
LYNCH & ASSOCIATES -
ENGINEERING CONSULTANTS, LLC
5482 S. WESTRIDGE DRIVE
NEW BERLIN, WI 53151

LYNCH & ASSOCIATES
ENGINEERING CONSULTANTS, LLC
5482 S. WESTRIDGE DRIVE, NEW BERLIN, WI 53151 (262) 402-5040

SITE IMPROVEMENT PLANS
FOR
PROSPECT CREEK SHOPPING CENTER

SHEET INDEX

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
TOLL FREE
800-242-8511
(414-259-1181 MILWAUKEE METRO)
(TDD: 800-542-2289)
www.diggershotline.com
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

MEMBER ONE CALL SYSTEMS INTERNATIONAL

CAUTION NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

	INITIALS	DATE
DESIGNED	LTK	05/16/14
DRAWN	LTK	05/16/14
CHECKED	TCL	05/16/14

0 NTS
SCALE

PROJECT NO.
14-033

NO.	REVISIONS	BY	DATE
1	Revisions per City & new site layout	LTK	11/14/14

TITLE SHEET, INDEX
VICINITY MAP
SITE MAP

SHEET NO.
1 OF 7

FILENAME: F:\1 - Projects\2014\14.033 - Evo Dev, New Berlin Retail\CAD\Sheets\14-033 Cover & Details Sheet.dwg

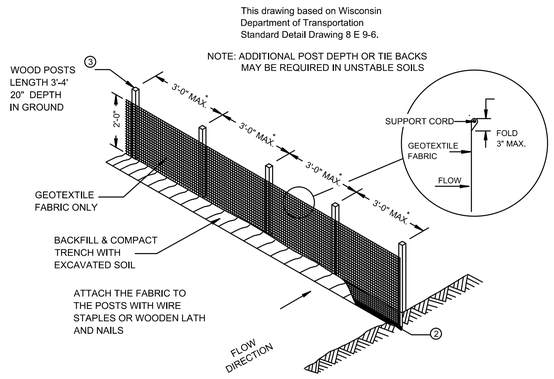
PLOT DATE: 11/14/2014 10:43 AM

EROSION CONTROL NOTES:

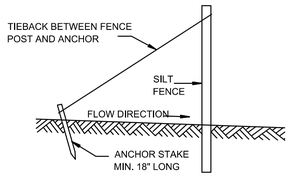
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSERVATION PRACTICE STANDARDS.
2. WHEN POSSIBLE, THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE WITH ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.
3. CONTRACTOR SHALL CHECK ALL EROSION CONTROL MEASURES EVERY SEVEN DAYS OR WITHIN 24 HOURS AFTER EACH 0.5 INCH RAINFALL AND PROVIDE ANY MAINTENANCE REQUIRED FOR CONFORMANCE WITH THIS PLAN. CONTRACTOR SHALL MAINTAIN LOG OF INSPECTIONS WHICH SHALL BE KEPT ON-SITE.
4. A MINIMUM OF 4 INCHES OF TOPSOIL SHALL BE PLACED ON AREAS TO BE VEGETATED.
5. SEEDING SHALL BEGIN WITHIN 7 DAYS AFTER FINAL GRADING IS COMPLETED.
6. SEEDING SHALL CONFORM TO REQUIREMENTS OF SECTION 630 OF WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. A NO. 40 MIXTURE SHALL BE APPLIED AT A RATE OF 2 POUNDS PER 1000 S.F.
7. PLACE MULCH AND TACKIFIER ON THE SEEDED AREAS.
8. DISTURBED AREAS LEFT INACTIVE FOR THIRTY OR MORE DAYS SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH, OR WISDOT-APPROVED POLYMER.
9. TEMPORARY SEEDING: ANNUAL RYE GRASS AT 25 lbs/ACRE LATE SEASON TEMPORARY SEEDING (SEPT. 15 TO OCT. 15): WINTER WHEAT AT 2 BUSHELS/ACRE DORMANT SEEDING (AFTER NOV. 1): NO. 10 MIXTURE AT 4 POUNDS PER 1000 S.F.
10. POLYMER MUST BE APPLIED TO ALL DISTURBED AREAS IF SEEDING IS NOT COMPLETED BY OCTOBER 15.
11. IF DEWATERING IS NECESSARY, DEWATERING OPERATIONS MUST BE PERFORMED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 "DEWATERING".
12. TOPSOIL PILES LEFT IN PLACE FOR LONGER THAN 30 DAYS MUST BE STABILIZED WITH TEMPORARY SEEDING.
13. EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE UNTIL THE SITE IS STABILIZED.

CONSTRUCTION SEQUENCE:

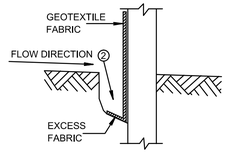
1. CONSTRUCT STONE TRACKING PAD AT THE PROPOSED ENTRANCE.
2. INSTALL SILT FENCE AT THE LOCATIONS NOTED ON THE PLANS. THIS MUST BE DONE BEFORE ANY GRADING ACTIVITIES TAKE PLACE.
3. TOPSOIL IS TO BE STRIPPED AND STOCKPILED. THE STOCKPILE IS TO BE PROTECTED WITH SILT FENCE WITHIN 7 DAYS AND SEEDED WITHIN 30 DAYS OF LAYUP.
4. ROUGH GRADING MAY TAKE PLACE AFTER TOPSOIL STRIPPING.
5. UTILITY INSTALLATION WILL TAKE PLACE DURING ROUGH GRADING. ALL CATCH BASINS AND INLETS ARE TO BE PROTECTED IMMEDIATELY AFTER INSTALLATION IN ACCORDANCE WITH THE DETAIL IN THESE PLANS.
6. PERMANENT SEEDING TO BE COMPLETED BY OCTOBER 15TH OF THE YEAR GRADING WORK IS COMPLETED OR BY JUNE 1ST OF THE FOLLOWING YEAR.



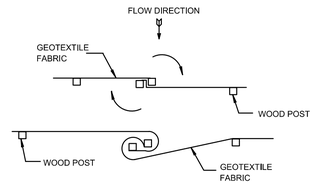
SILT FENCE 1/2



SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)



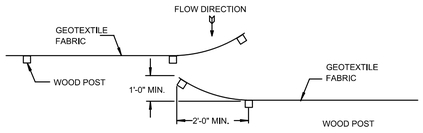
TRENCH DETAIL



TWIST METHOD

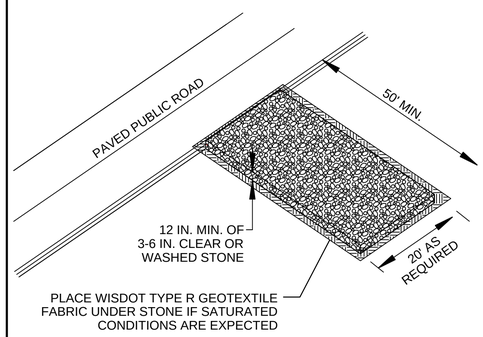
GENERAL NOTES:

1. HORIZONTAL BRACE REQUIRED WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1-1/8" x 1-1/8" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS;
   A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180^
   B) HOOK THE END OF EACH SILT FENCE LENGTH.

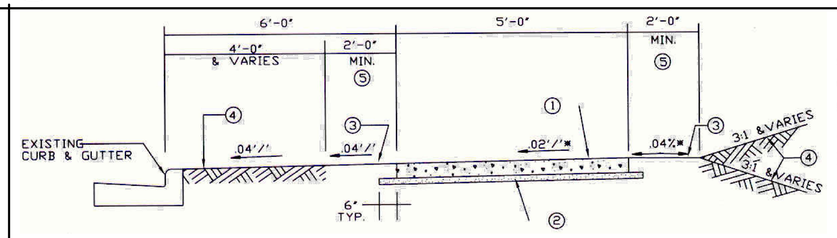


HOOK METHOD

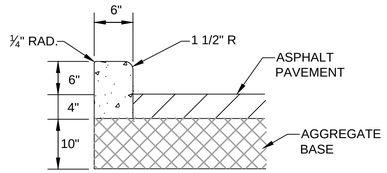
JOINING TWO LENGTHS OF SILT FENCE



CONSTRUCTION ENTRANCE TRACKING PAD 2/2

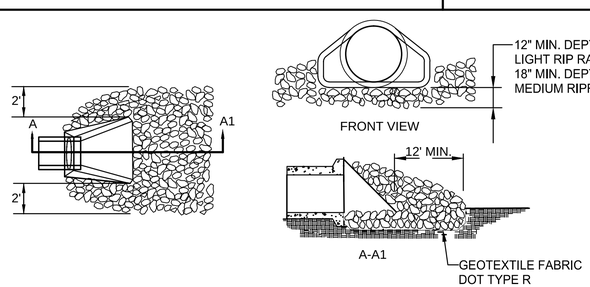


CONCRETE SIDEWALK 3/2



NOTE: DEPTH OF FACE MAY VARY

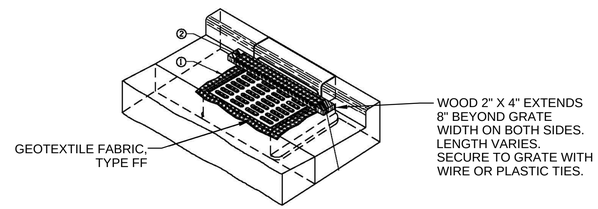
TYPICAL 6" CURB 4/2



RIPRAP PROTECTION AT OUTLETS 5/2

NOTES:

1. EXCAVATE TO ONE FOOT BELOW PIPE OUTLET AND WIDEN CHANNEL TO THE REQUIRED RIP RAP THICKNESS FOR EACH APRON. FOUNDATION TO BE CUT TO ZERO GRADE AND SMOOTHED.
2. PLACE FILTER CLOTH ON BOTTOM AND SIDES OF PREPARED FOUNDATION. ALL JOINTS TO OVERLAP A MINIMUM OF ONE FOOT.
3. EXERCISE CARE IN RIPRAP PLACEMENT TO AVOID DAMAGE TO FILTER FABRIC.
4. PLACE RIPRAP ON ZERO GRADE, TOP OF RIPRAP TO BE LEVEL WITH PROPOSED OUTLET, NO OVERFALL AT ENDS.
5. RIPRAP SHALL BE MEDIUM RIPRAP IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.
7. LINE CHANNEL TO TOP OF BANKS FOR A DISTANCE OF 12' DOWNSTREAM. NO RESTRICTION OF CHANNEL CROSS SECTION SHOULD EXIST.



GENERAL NOTES:

1. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
2. 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.

INSTALLATION NOTES:

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.

INLET PROTECTION SHALL BE INSPECTED AT A MINIMUM WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES DURING A 24 HOUR PERIOD. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN ACCUMULATION TOTALS BETWEEN ⅓ AND ½ THE DESIGN DEPTH OF THE DEVICE OR WHEN THE DEVICE IS NOT FUNCTIONING AS DESIGNED. DURING REMOVAL OF INLET PROTECTION ENSURE SEDIMENT DOES NOT FALL INTO THE INLET. ANY MATERIAL WHICH FALLS INTO THE INLET SHALL BE REMOVED.

INLET PROTECTION TYPE C (WITH CURB BOX) 6/2

LYNCH & ASSOCIATES
ENGINEERING CONSULTANTS, LLC
5482 S. WESTRIDGE DRIVE
NEW BERLIN, WI 53151
(262) 402-5040

NO.	REVISIONS	BY	DATE
1	Revisions per City & new layout	LTK	11-14-14

PROSPECT CREEK SHOPPING CENTER

DETAIL SHEET

CITY OF NEW BERLIN, WAUKESHA COUNTY, WISCONSIN

PRELIMINARY

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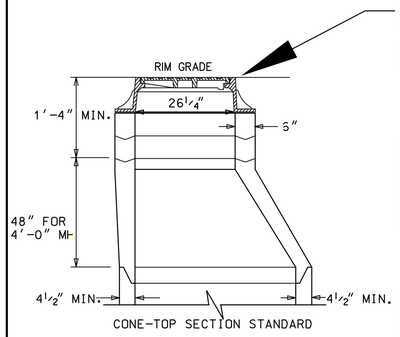
DRAWN	LTK	05/16/14
CHECKED	TCL	05/16/14

0 NTS
SCALE

PROJECT NO. 14-033

SHEET NO. 2 OF 7



CONE-TOP SECTION STANDARD

MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF NEW BERLIN STANDARD SPECIFICATIONS.

LID & FRAME – NEENAH FOUNDRY R-1661 W/ TYPE "B" MACHINE BEARING SURFACES & TWO CONCEALED PICK HOLES.

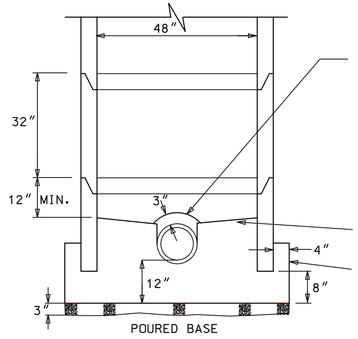
CRETEX INTERNAL SEAL OR EQUAL REQUIRED ON ALL SANITARY MANHOLES UNLESS OTHERWISE SPECIFIED. TYPE III JOINT REQUIRED ON ALL STORM MANHOLES.

ADJUST FRAME TO GRADE WITH BRICK OR CONCRETE RINGS OF VARIBLE THICKNESS. MAXIMUM RING HEIGHT=6". MINIMUM RING HEIGHT=2". CONCRETE RINGS SHALL BE REINFORCED WITH ONE LINE OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY RINGS SHALL BE GROOVED TO RECEIVE STEP.

CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.

JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING MORTAR OR BUTYL RUBBER GASKETS FOR STORM AND BUTYL RUBBER GASKETS FOR SANITARY MANHOLES.

AREA OF CIRCUMFERENTIAL STEEL=0.12 SQ. INCH PER LINEAL FOOT.



POURED BASE

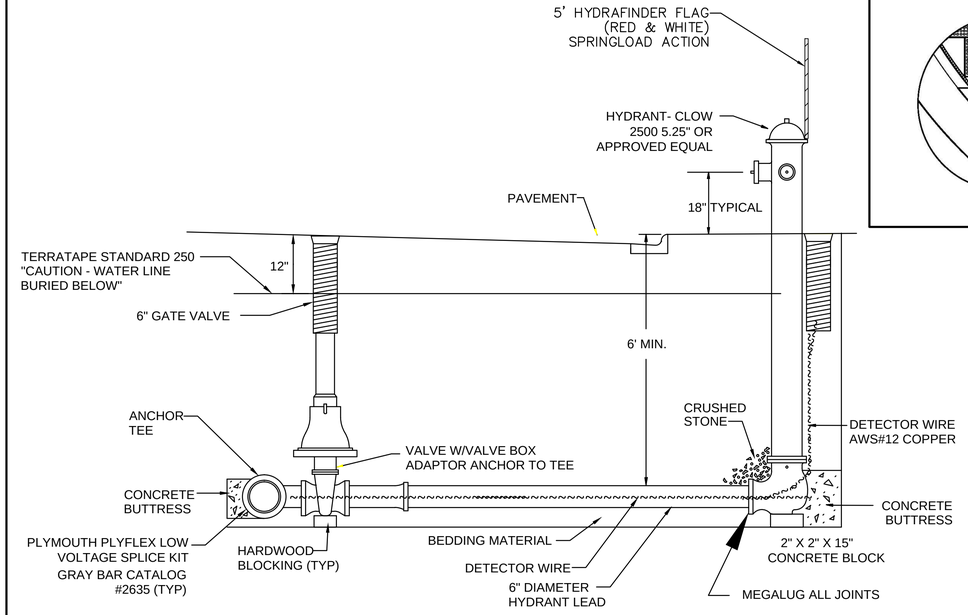
SPACE BETWEEN PIPE AND PRECAST MANHOLE WALL TO BE FILLED WITH BRICK MORTARED IN PLACE EXCEPT THAT AN APPROVED FLEXIBLE WATERTIGHT PIPE TO MANHOLE SEAL IS REQUIRED FOR ALL FLEXIBLE SANITARY SEWER CONNECTIONS. THE ANNULAR SPACE BETWEEN THE PIPE AND MANHOLE WALL SHALL BE FILLED WITH FLEXIBLE BUTYL RUBBER GASKET MATERIAL BELOW SURFACE OF BENCH OR SPRINGLINE.

3" STONE CUSHION UNDER BASE IS REQUIRED ONLY ON WET SUB-GRADE.

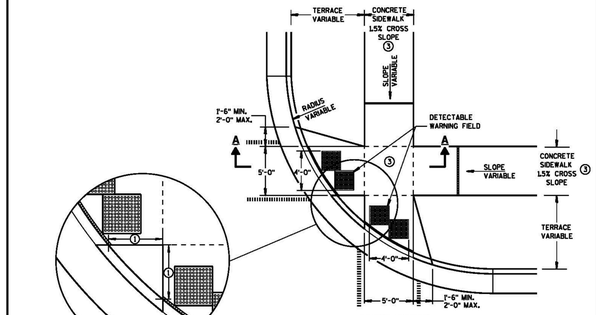
BENCH SLOPE- (STORM MANHOLE 1" PER FOOT SANITARY MANHOLE 2" PER FOOT)

CLASS "D" CONCRETE

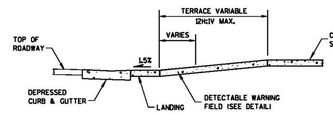
PRECAST MANHOLE DETAIL 1/3



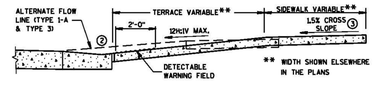
FIRE HYDRANT INSTALLATION 2/3



PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

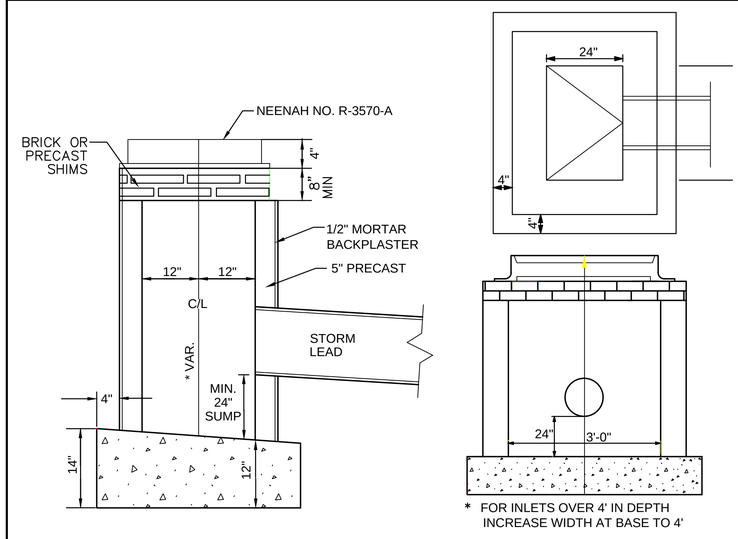
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

① WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP, REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

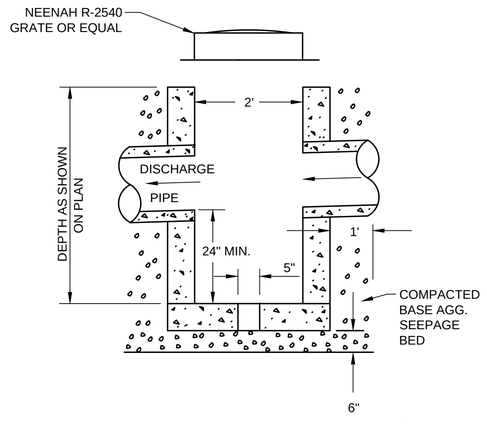
③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

CONCRETE CURB RAMPS TYPE 2 3/3



* FOR INLETS OVER 4' IN DEPTH INCREASE WIDTH AT BASE TO 4'

STORM SEWER CATCH BASIN DETAIL 4/3



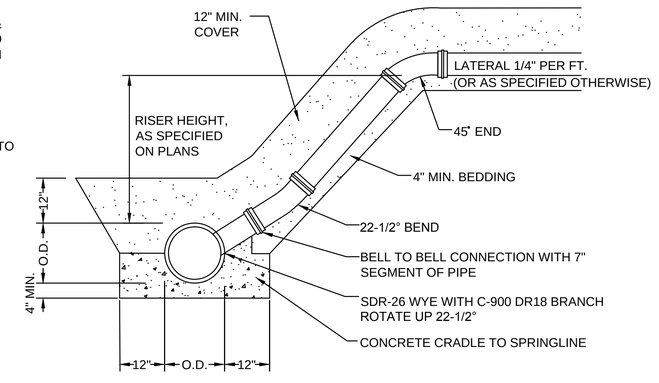
STORM SEWER INLET DETAIL 5/3

NOTES:

1) IF A WYE IS USED A 45° & 22-1/2° BEND IS NEEDED TO MATCH THE TRENCH SLOPE

2) BACKFILL AS SPECIFIED

3) RISER / LATERAL PIPE SHALL BE AWWA C-900 TO R.O.W.



RISER DETAIL 6/3
(NO SCALE)

LYNCH & ASSOCIATES
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NEW BERLIN, WI 53151
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PROSPECT CREEK SHOPPING CENTER

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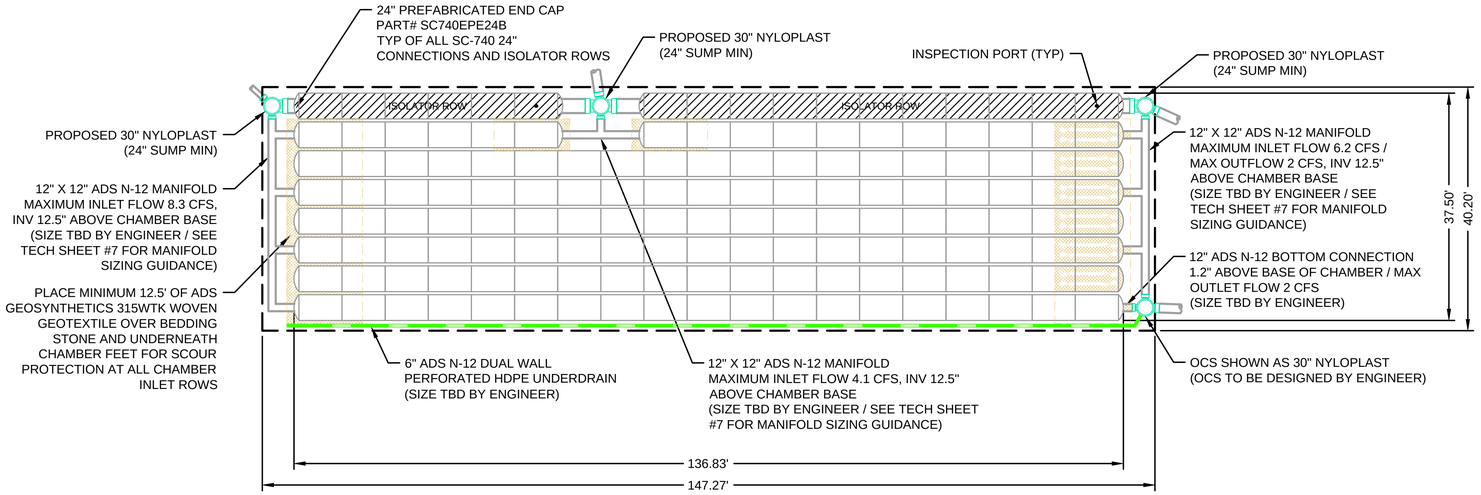
3 OF 7



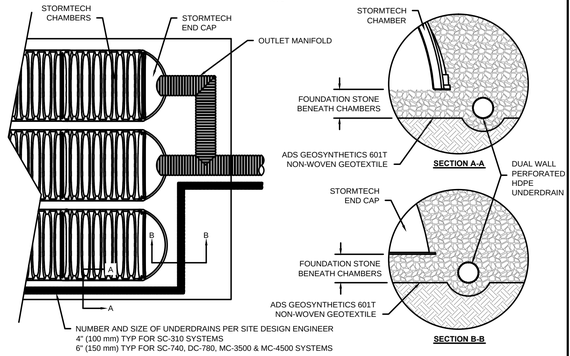
PROPOSED ELEVATIONS

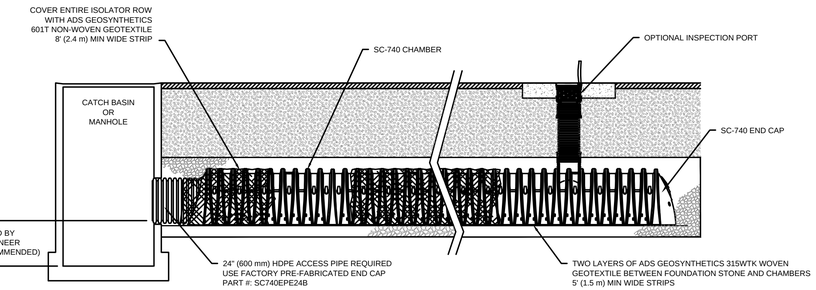
MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	876.67
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	872.17
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	871.67
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	871.67
MINIMUM ALLOWABLE GRADE (TOP OF REINFORCED CONCRETE PAVEMENT):	871.67
TOP OF STONE:	870.67
TOP OF CHAMBER:	868.67
12" MANIFOLD INVERT:	867.21
12" BOTTOM CONNECTION INVERT:	866.27
24" ISOLATOR ROW INVERT:	866.18
BOTTOM OF CHAMBER:	866.17
UNDERDRAIN INVERT:	864.67
BOTTOM OF STONE:	864.67

CONCEPTUAL LAYOUT

(148) STORMTECH SC-740 CHAMBERS
(20) STORMTECH SC-740 END CAPS
INSTALLED WITH 24" COVER STONE, 18" BASE STONE, 40% STONE VOID
INSTALLED SYSTEM VOLUME: 16,087 CF
AREA OF SYSTEM: 5,920 FT²
PERIMETER OF SYSTEM: 375 FT

UNDERDRAIN DETAIL
NTS





SC-740 ISOLATOR ROW DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

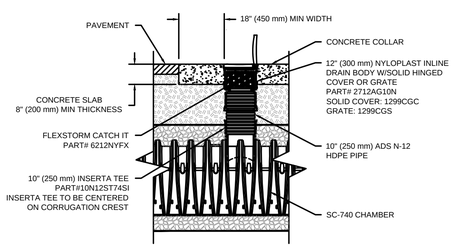
STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

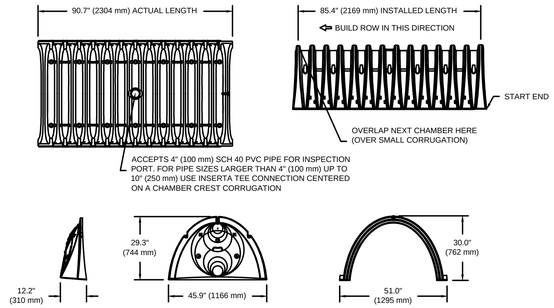
NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



SC-740 INSPECTION PORT DETAIL
NTS

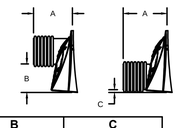
SC-740 TECHNICAL SPECIFICATION
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET	(2.12 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS



STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	A	B	C
SC740EPE06T	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740EPE06B			---	0.5" (13 mm)
SC740EPE08T	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	---
SC740EPE08B			---	0.6" (15 mm)
SC740EPE10T	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	---
SC740EPE10B			---	0.7" (18 mm)
SC740EPE12T	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	---
SC740EPE12B			---	1.2" (30 mm)
SC740EPE15T	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	---
SC740EPE15B			---	1.3" (33 mm)
SC740EPE18T	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	---
SC740EPE18B			---	1.6" (41 mm)
SC740EPE24B*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740EPE24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

UNDERGROUND DETENTION BASIN #1

1 / 4

LYNCH & ASSOCIATES
ENGINEERING CONSULTANTS, LLC
5482 S. WESTRIDGE DRIVE
NEW BERLIN, WI 53151
(262) 402-5040

NO.	REVISIONS	BY	DATE
1	Revisions per City & new layout	LTK	11-14-14

PROSPECT CREEK SHOPPING CENTER
DETAIL SHEET
CITY OF NEW BERLIN, WAUKESHA COUNTY, WISCONSIN

PRELIMINARY

	INITIALS	DATE
DESIGNED	LTK	05/16/14
DRAWN	LTK	05/16/14
CHECKED	TCL	05/16/14

0 NTS
SCALE

PROJECT NO.
14-033

SHEET NO.
4 OF 7

PARKING CALCULATIONS

PANERA DINING AREA =
134 SEATS TOTAL
134/2 = 67 PARKING SPACES REQ'D

ARBY'S DINING AREA = 62 SEATS TOTAL
62/2 = 31 PARKING SPACES REQ'D

RETAIL BUILDING = 6,400 SF
6,400/200 = 32 PARKING SPACES REQ'D

TOTAL = 67 + 31 + 32 = 130 PARKING SPACES REQ'D

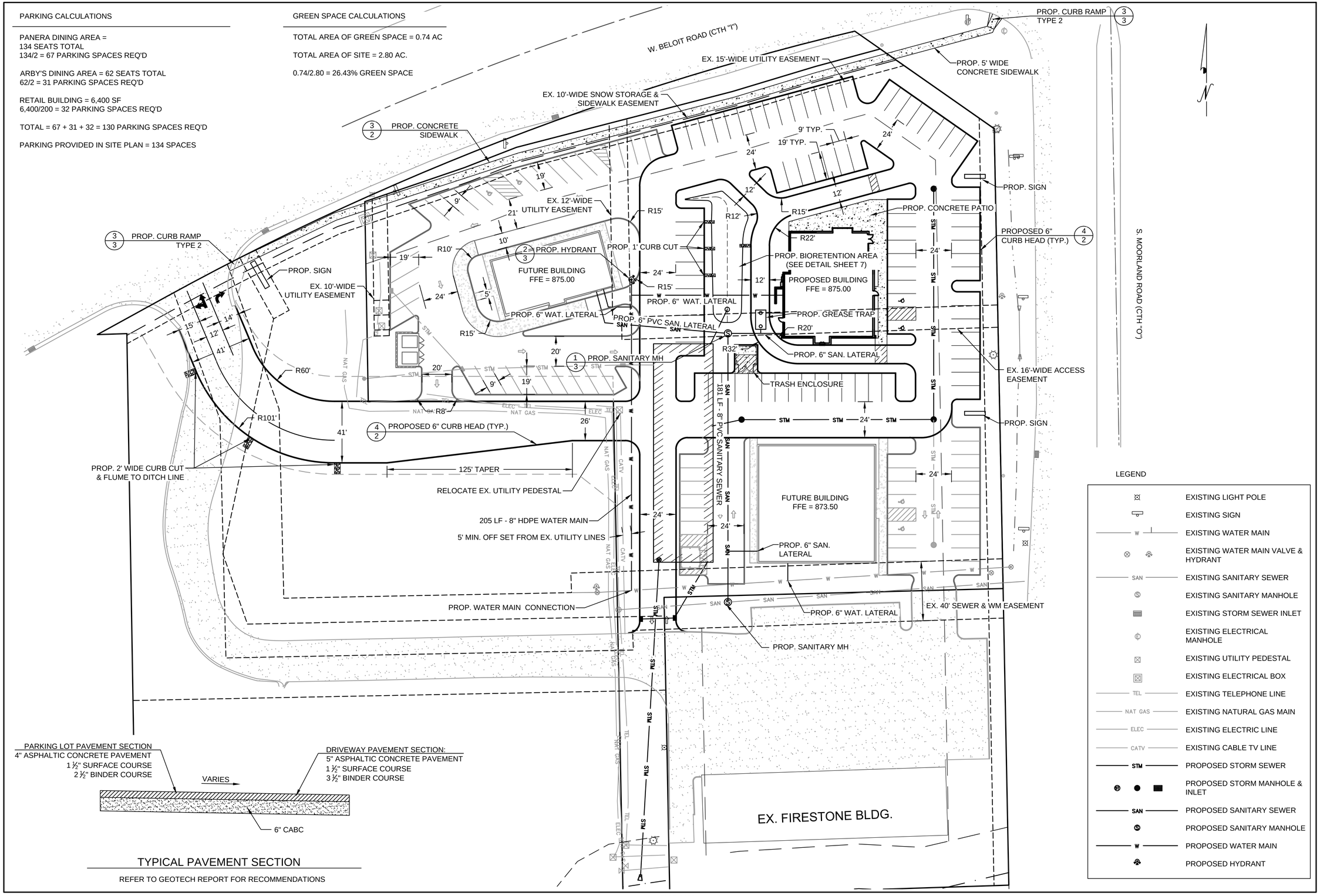
PARKING PROVIDED IN SITE PLAN = 134 SPACES

GREEN SPACE CALCULATIONS

TOTAL AREA OF GREEN SPACE = 0.74 AC

TOTAL AREA OF SITE = 2.80 AC.

0.74/2.80 = 26.43% GREEN SPACE



PARKING LOT PAVEMENT SECTION
4" ASPHALTIC CONCRETE PAVEMENT
1 ½" SURFACE COURSE
2 ½" BINDER COURSE

DRIVEWAY PAVEMENT SECTION:
5" ASPHALTIC CONCRETE PAVEMENT
1 ½" SURFACE COURSE
3 ½" BINDER COURSE

VARIES

6" CABC

TYPICAL PAVEMENT SECTION

REFER TO GEOTECH REPORT FOR RECOMMENDATIONS

LEGEND

- EXISTING LIGHT POLE
- EXISTING SIGN
- EXISTING WATER MAIN
- EXISTING WATER MAIN VALVE & HYDRANT
- EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING ELECTRICAL MANHOLE
- EXISTING UTILITY PEDESTAL
- EXISTING ELECTRICAL BOX
- EXISTING TELEPHONE LINE
- EXISTING NATURAL GAS MAIN
- EXISTING ELECTRIC LINE
- EXISTING CABLE TV LINE
- PROPOSED STORM SEWER
- PROPOSED STORM MANHOLE & INLET
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED WATER MAIN
- PROPOSED HYDRANT

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PROSPECT CREEK SHOPPING CENTER

SITE PLAN

CITY OF NEW BERLIN, WAUKESHA COUNTY, WISCONSIN

PRELIMINARY

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0 30'
SCALE

PROJECT NO.
14-033

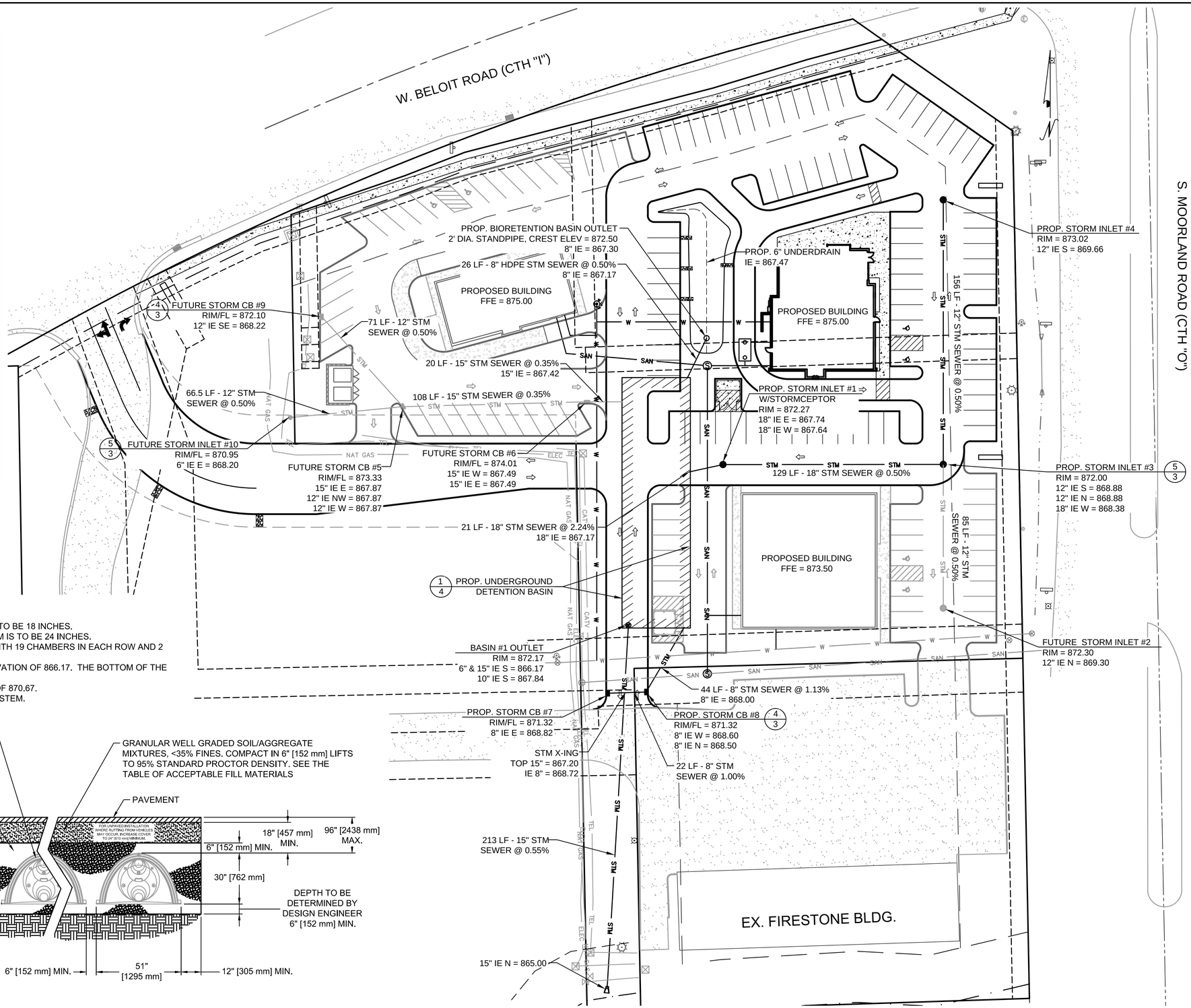
SHEET NO.
5 OF 7

FILENAME: F:\1 - Projects\2014\14.033 - Evo Dev, New Berlin Retail\CAD\Sheets\14-033 Site Plan.dwg

PLOT DATE: 11/14/2014 10:09 AM

LEGEND

- EXISTING LIGHT POLE
- EXISTING SIGN
- W — EXISTING WATER MAIN
- EXISTING WATER MAIN VALVE & HYDRANT
- SAN — EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING ELECTRICAL MANHOLE
- EXISTING UTILITY PEDESTAL
- EXISTING ELECTRICAL BOX
- TEL — EXISTING TELEPHONE LINE
- NAT GAS — EXISTING NATURAL GAS MAIN
- ELEC — EXISTING ELECTRIC LINE
- CATV — EXISTING CABLE TV LINE
- STM — PROPOSED STORM SEWER
- PROPOSED STORM MANHOLE & INLET
- SAN — PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- W — PROPOSED WATER MAIN
- PROPOSED HYDRANT



PROJECT SPECIFIC NOTES:
1. THE DEPTH OF STONE BELOW CHAMBER SYSTEM IS TO BE 18 INCHES.
2. THE DEPTH OF STONE ABOVE THE CHAMBER SYSTEM IS TO BE 24 INCHES.
3. THE CHAMBER SYSTEM WILL CONSIST OF 6 ROWS WITH 19 CHAMBERS IN EACH ROW AND 2 ROWS WITH 17 CHAMBERS.
4. THE CHAMBER BOTTOM WILL BE PLACED AT AN ELEVATION OF 866.17. THE BOTTOM OF THE STONE WILL BE AT AN ELEVATION OF 864.67.
5. THE TOP OF THE STONE WILL BE AT AN ELEVATION OF 870.67.
6. SEE GRADING PLAN FOR LOCATION OF CHAMBER SYSTEM.

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PROSPECT CREEK SHOPPING CENTER
STORM SEWER PLAN
CITY OF NEW BERLIN, WAUKESHA COUNTY, WISCONSIN

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0 30'
SCALE

PROJECT NO.
14-033

SHEET NO.
6 OF 7

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED SPOT GRADE (871|29)
- PROPOSED INLET PROTECTION, TYPE C
- PROPOSED EROSION MAT CLASS I, TYPE A
- PROPOSED RIP RAP
- PROPOSED SILT FENCE

W. BELOIT ROAD (CTH "I")

S. MOORLAND ROAD (CTH "O")

INLET PROTECTION TYPE "C"

6/2 INLET PROTECTION TYPE "C"

2/2 CONSTRUCTION TRACKING PAD

FUTURE BUILDING
FFE = 875.00

PROP. BIORETENTION AREA (SEE SECTIONS BELOW)

PROPOSED BUILDING
FFE = 875.00

FUTURE BUILDING
FFE = 873.50

EX. FIRESTONE BLDG.

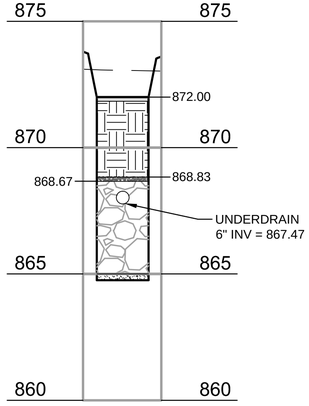
LINE SWALE WITH EROSION MAT CLASS 1, TYPE A

SILT FENCE (TYP) 1/2

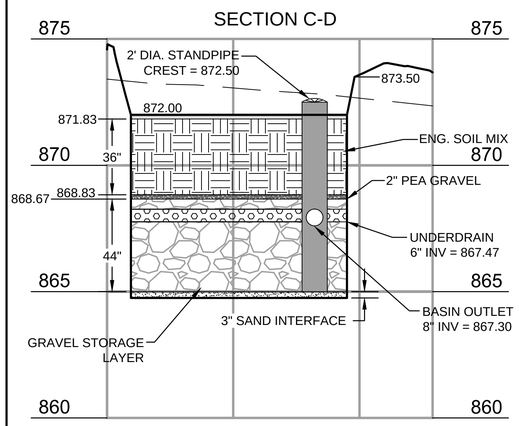
5/2 PLACE RIP RAP AT OUTFALL

BIORETENTION BASIN #2 DETAILS

SECTION A-B



SECTION C-D



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PROSPECT CREEK SHOPPING CENTER

GRADING & EROSION CONTROL PLAN

CITY OF NEW BERLIN, WAUKESHA COUNTY, WISCONSIN

PRELIMINARY

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PROJECT NO.
14-033

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