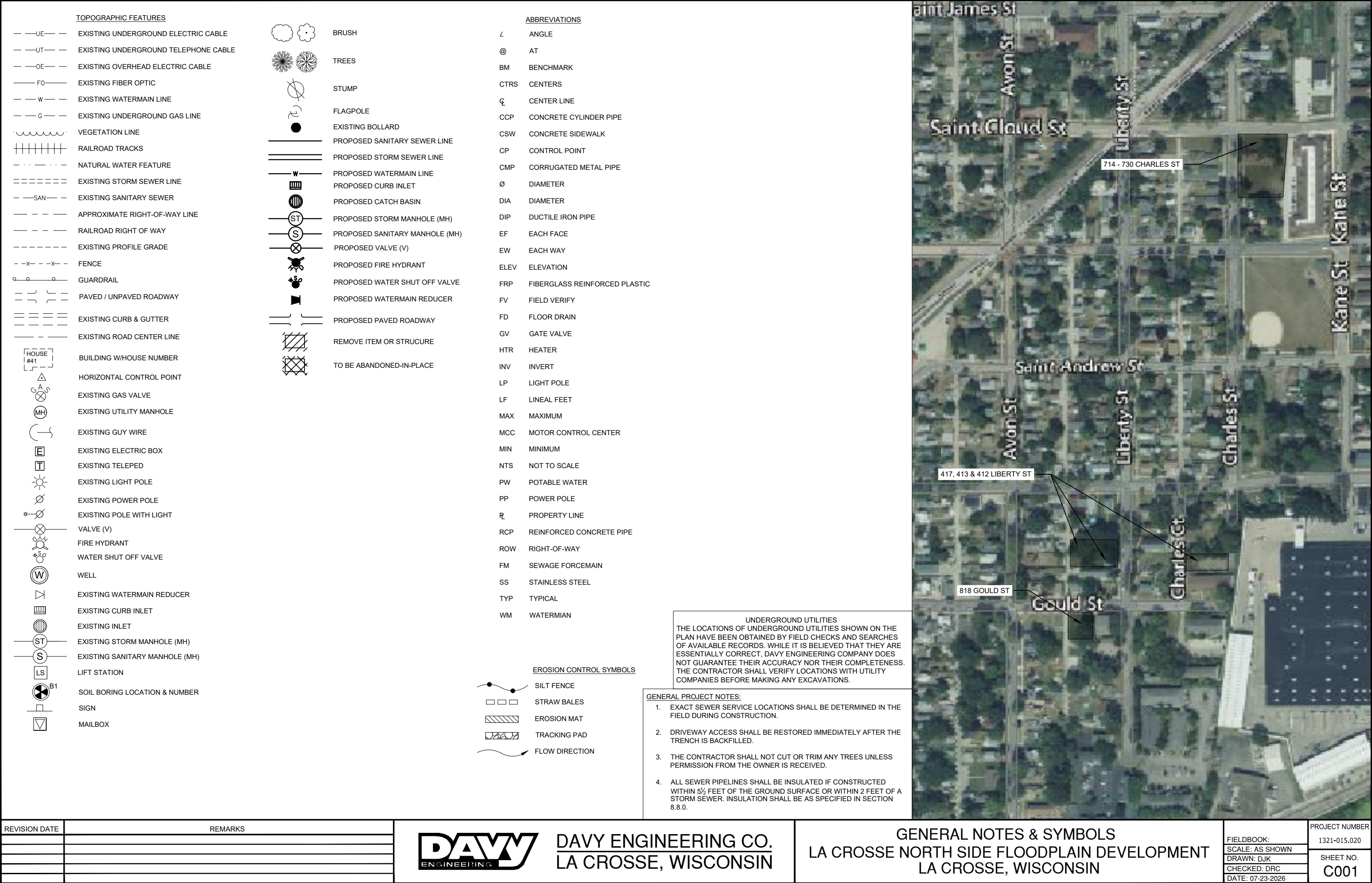
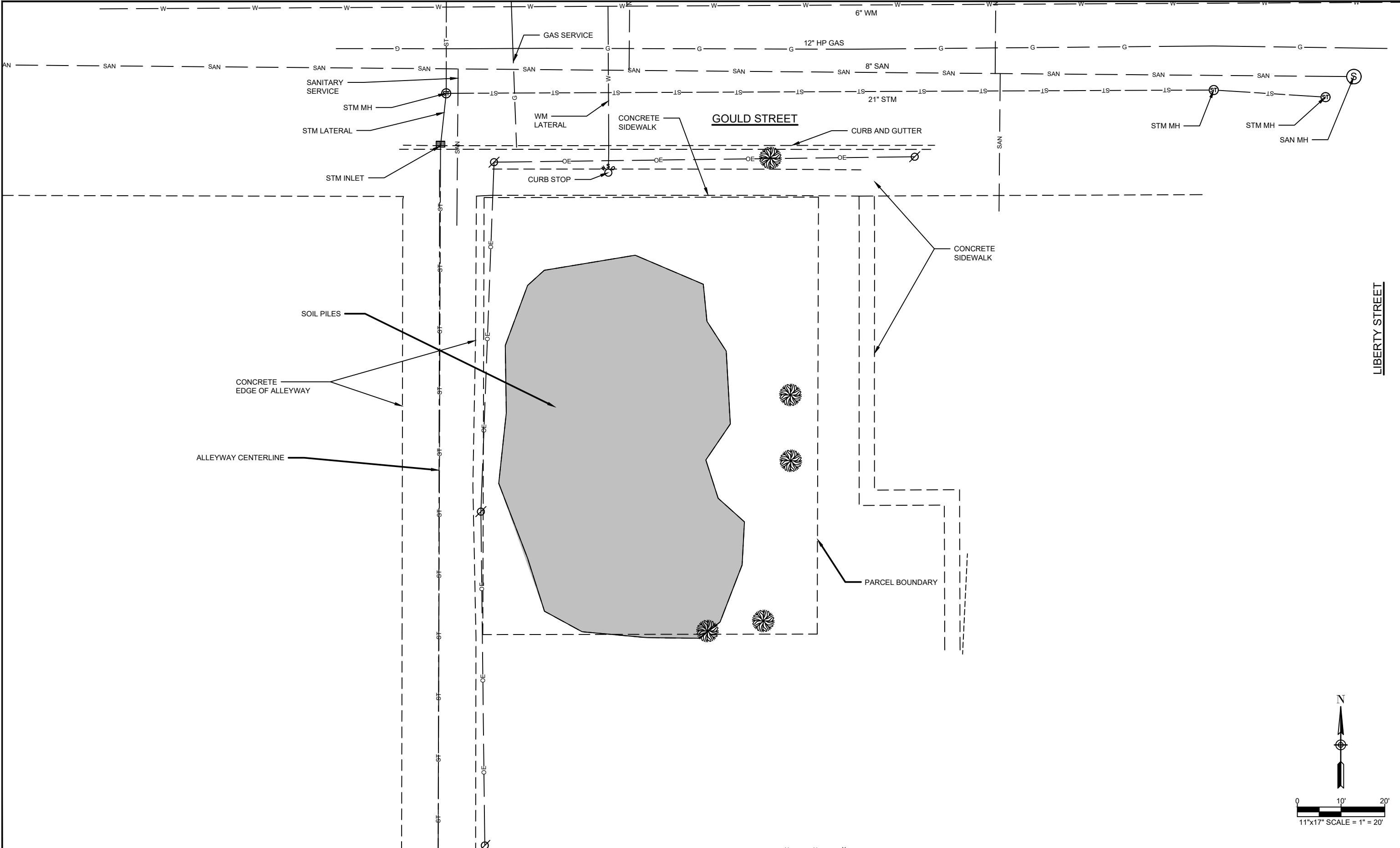






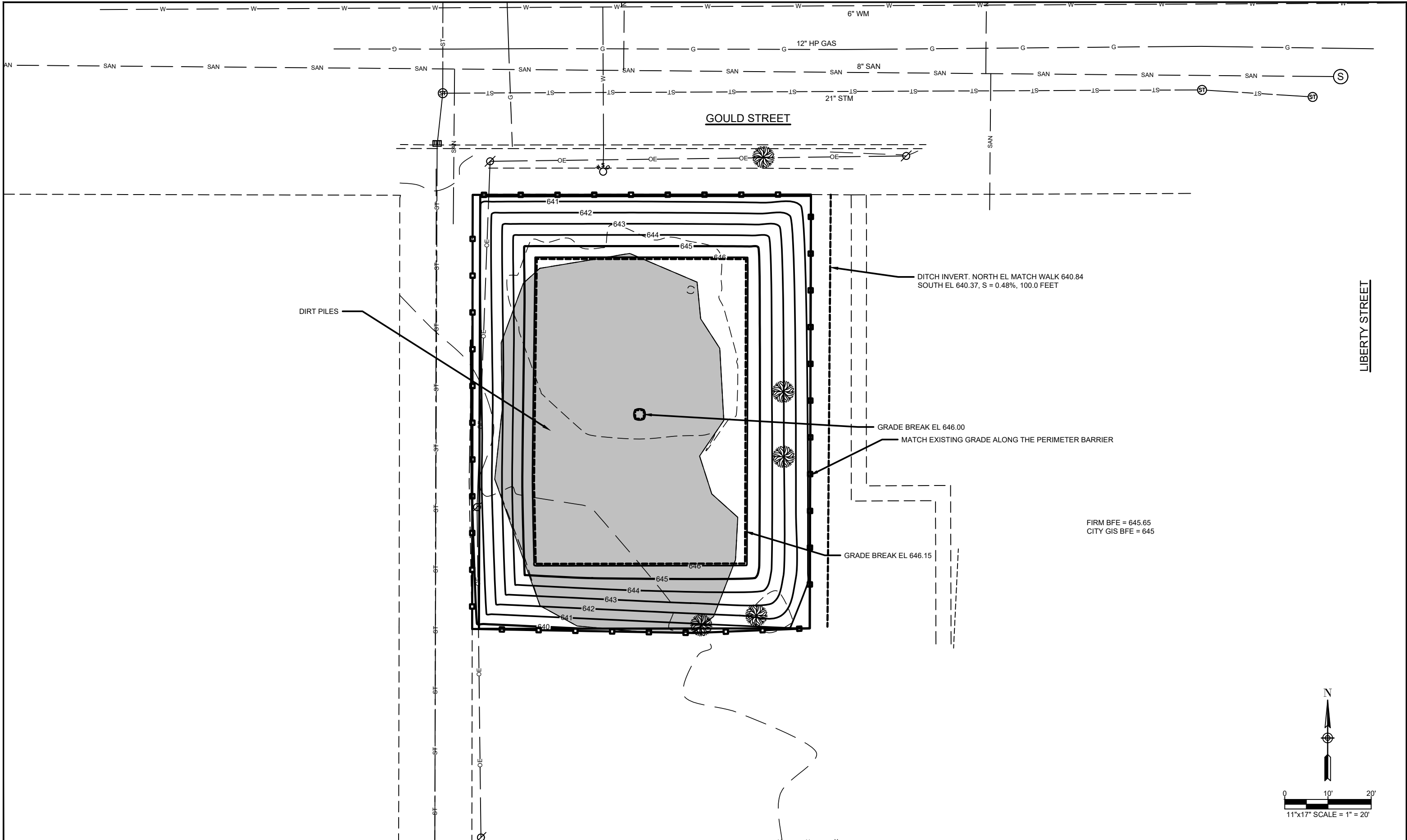
REVISION DATE	REMARKS



DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

818 GOULD STREET SITE PLAN
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

FIELDBOOK:	PROJECT NUMBER
SCALE: AS SHOWN	1321-015.020
DRAWN: DJK	SHEET NO.
CHECKED: DRC	C101
DATE: 07-23-2026	



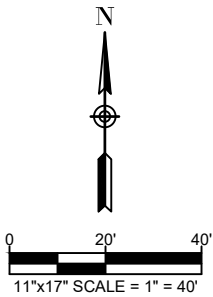
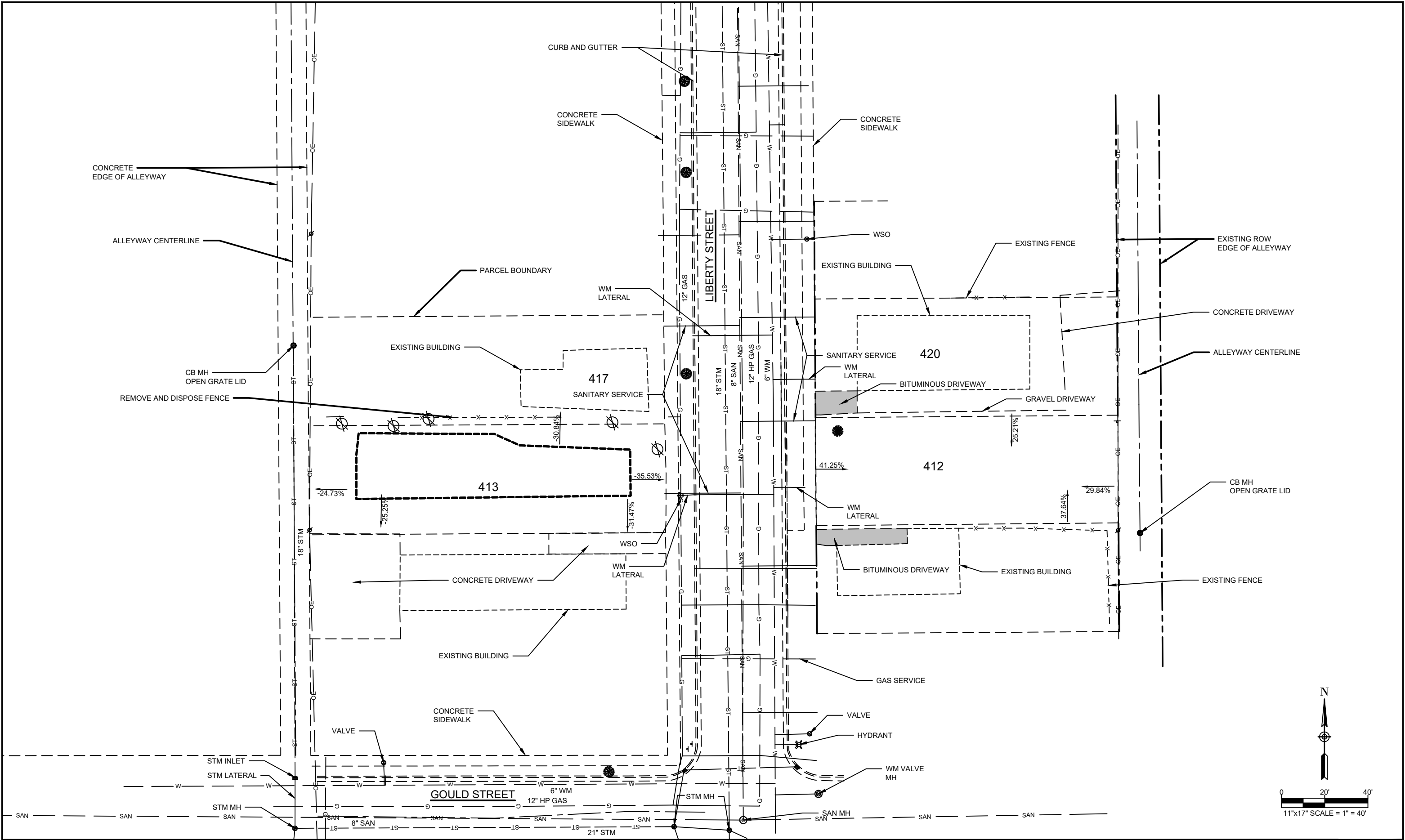
REVISION DATE	REMARKS



DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

GOULD STREET EROSION CONTROL & GRADING PLAN
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

FIELDBOOK:	PROJECT NUMBER
SCALE: AS SHOWN	1321-015.020
DRAWN: DJK	SHEET NO.
CHECKED: DRC	C102
DATE: 07-23-2026	



REVISION DATE	REMARKS

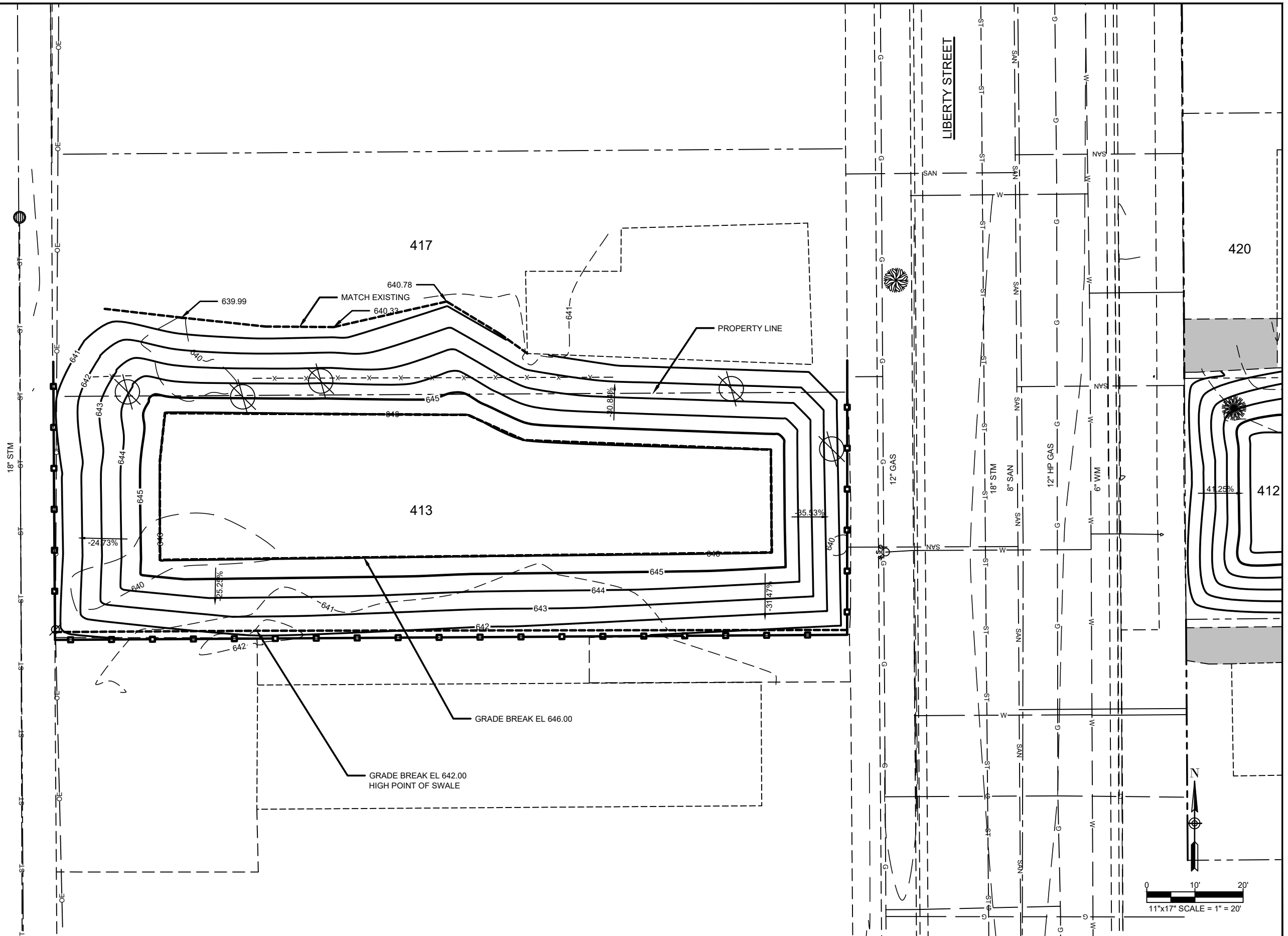


DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

412 & 413 LIBERTY STREET SITE PLAN
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

PROJECT NUMBER 1321-015.020
SHEET NO. C110
FIELDBOOK: SCALE: AS SHOWN DRAWN: DJK CHECKED: DRC DATE: 07-23-2026

BFE, CITY GIS = 645
BFE FIRM = 645.7



REVISION DATE	REMARKS

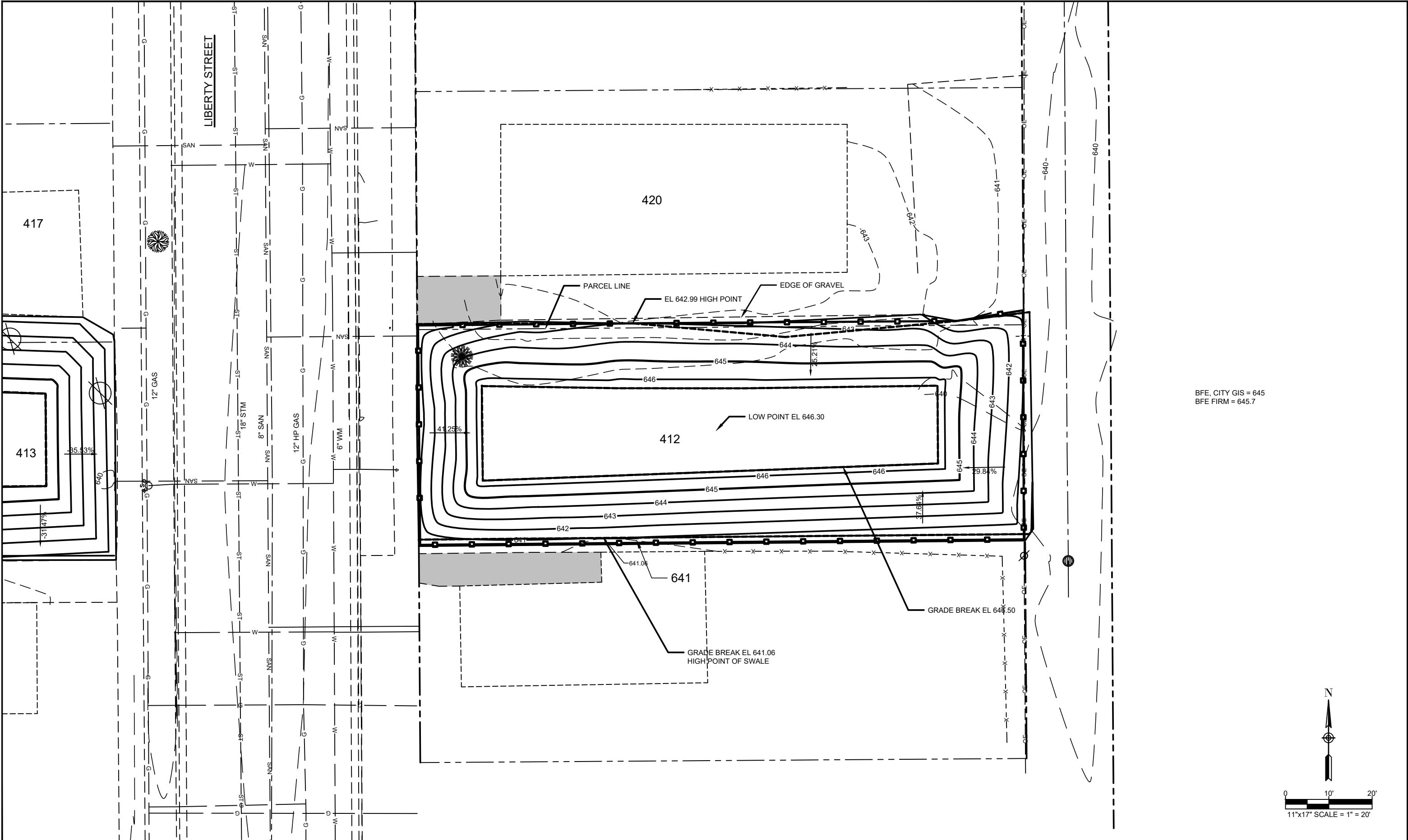


DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

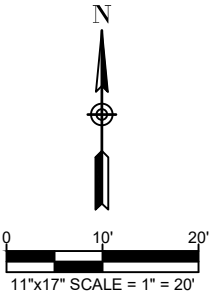
LIBERTY STREET EROSION CONTROL & GRADING PLAN
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

FIELDBOOK:
SCALE: AS SHOWN
DRAWN: DJK
CHECKED: DRC
DATE: 07-23-2026

PROJECT NUMBER
1321-015.020
SHEET NO.
C111



BFE, CITY GIS = 645
BFE FIRM = 645.7



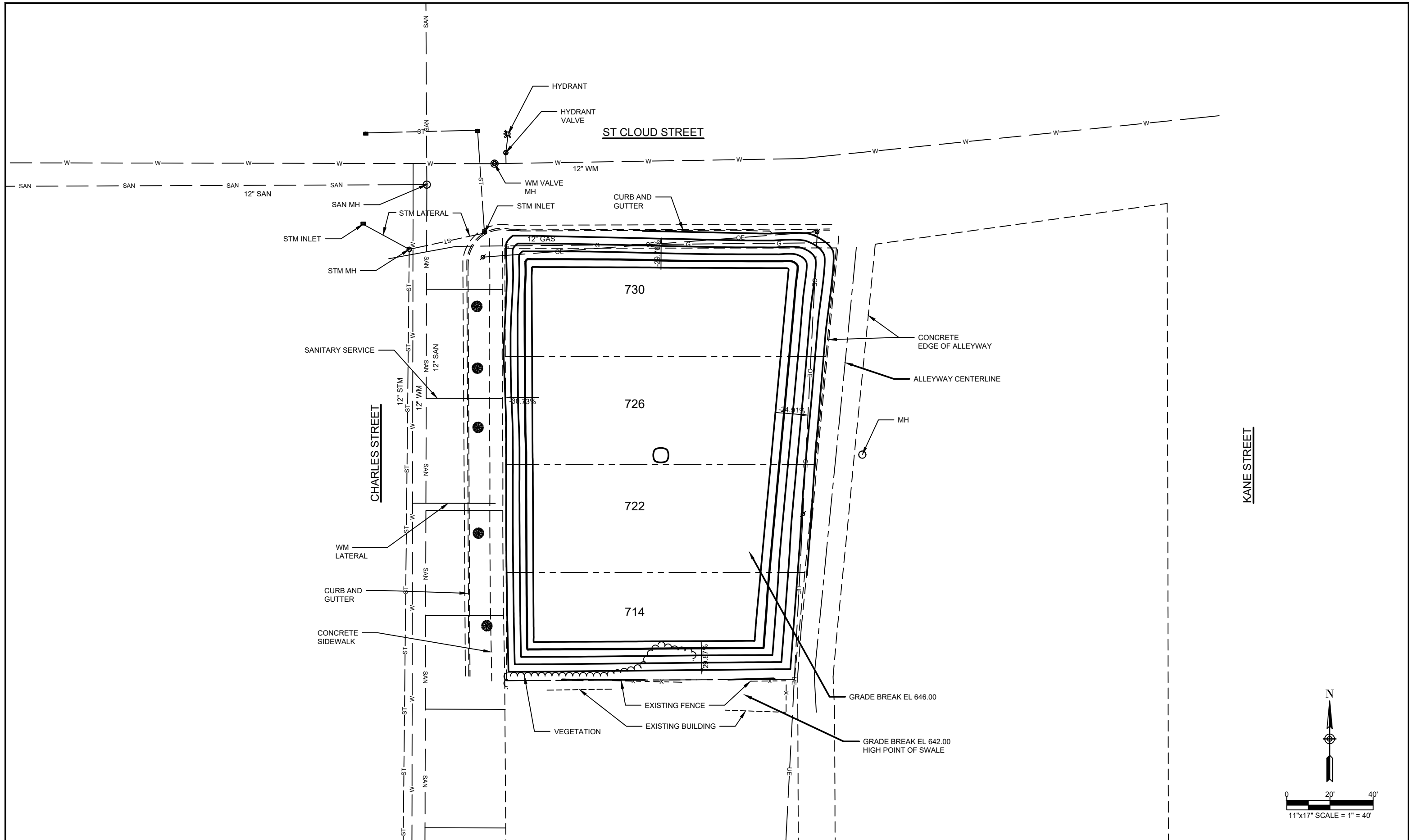
REVISION DATE	REMARKS



DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

LIBERTY STREET EROSION CONTROL & GRADING PLAN
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

PROJECT NUMBER	1321-015.020
SHEET NO.	C112
FIELDBOOK:	
SCALE: AS SHOWN	
DRAWN: DJK	
CHECKED: DRC	
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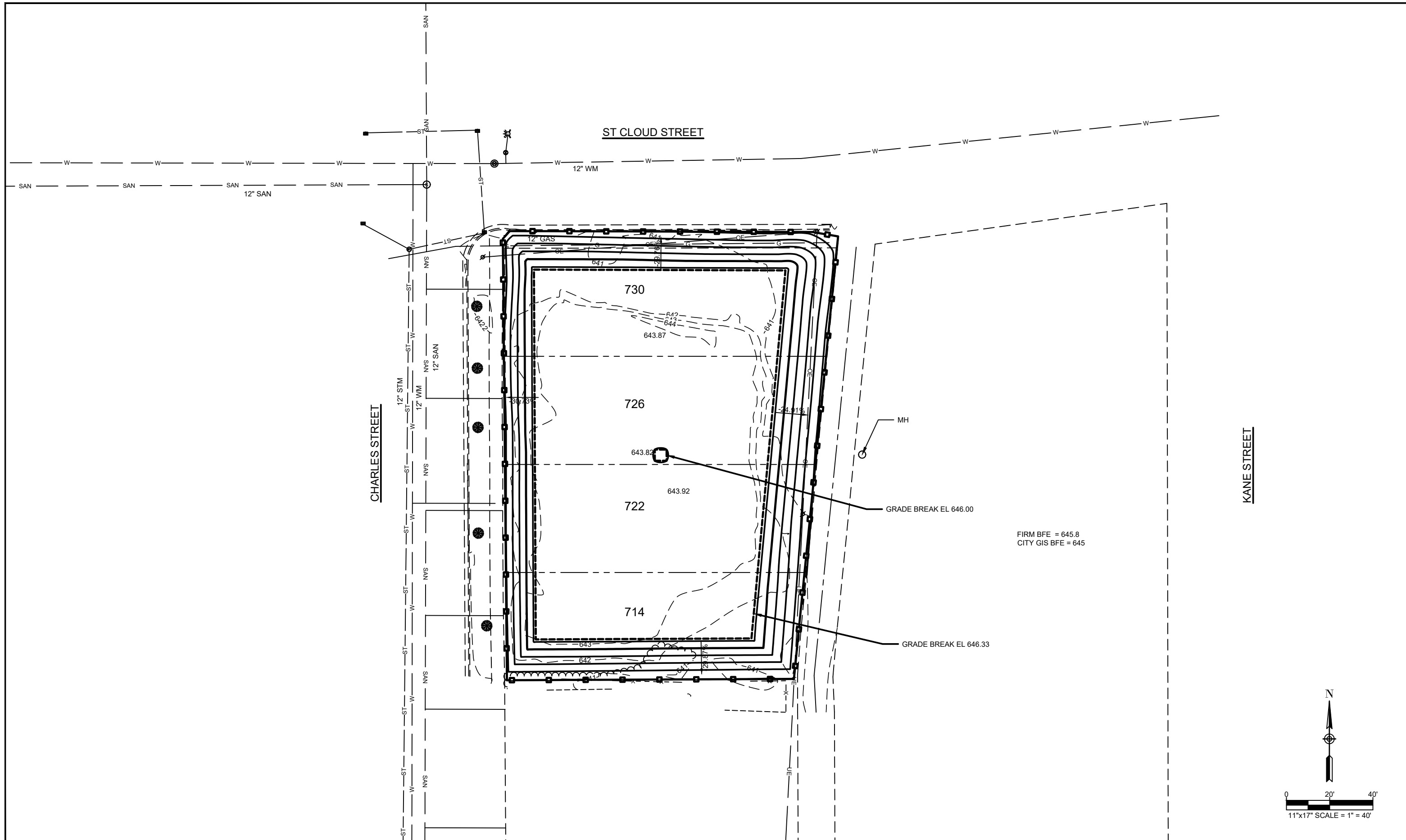
REVISION DATE	REMARKS



DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

718 - 732 CHARLES STREET SITE PLAN
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

PROJECT NUMBER 1321-015.020	SHEET NO. C120
FIELDBOOK: SCALE: AS SHOWN DRAWN: DJK CHECKED: DRC DATE: 07-23-2026	



REVISION DATE	REMARKS



DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

CHARLES STREET EROSION CONTROL & GRADING PLAN
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

FIELDBOOK:
SCALE: AS SHOWN
DRAWN: DJK
CHECKED: DRC
DATE: 07-23-2026

PROJECT NUMBER
1321-015.020
SHEET NO.
C121

EROSION CONTROL NOTES

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.

2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.

~~3. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.~~

4. THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.

5. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

6. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION OFFSITE, AND PRESERVE TOPSOIL.

7. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.

8. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE **WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057** FOR ROCK CONSTRUCTION ENTRANCE(S). THE DAY OF AND THE DAY FOLLOWING RAIN USUALLY REQUIRES THE TRACKING PAD TO BE CLEANED AND REPAIRED SEVERAL TIMES PER DAY.

~~9. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH **WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060**.~~

10. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER **WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL 1067**.

~~11. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE.~~

~~12. PROVIDE ANTI-SOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH **WDNR TECHNICAL STANDARD DE-WATERING 1061**.~~

~~13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 520). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER **WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064** AND SEDIMENT TRAP 1063.~~

~~14. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE **WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004**.~~

15. INSTALL AND MAINTAIN SILT FENCING PER **WDNR TECHNICAL STANDARD SILT FENCE #1056**. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.

16. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER **WDNR TECHNICAL STANDARD DITCH CHECKS #1062**.

17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH **WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS 1056**. PROVIDE SLOPE INTERRUPTION PER TABLE 1 AND TABLE 2 OF **WDNR TECHNICAL STANDARD 1056** IF EMBANKMENT SLOPES ARE NOT STABILIZED WITH SEED AND EROSION MAT WITHIN 14 CALENDAR DAYS OF INITIAL DISTURBANCE, SLOPE INTERRUPTION MUST BE INSTALLED.

18. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.

19. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.

20. LAND APPLICATION OF PRODUCTS CONTAINING WATER SOLUBLE ANIONIC POLYACRYLAMIDE (PAM) AS TEMPORARY SOIL BINDING AGENTS SHALL BE INSTALLED AND MAINTAINED PER **WDNR TECHNICAL STANDARD LAND APPLICATION OF ANIONIC POLYACRYLAMIDE 1050**.

21. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.

22. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY OWNER SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY. STREETS AND ROAD OUTSIDE OF THE CONSTRUCTION AREAS SHALL BE KEPT CLEAN.

23. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER **WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES 1068**. EROSION CONTROL INCLUDES CONTROLLING FUGITIVE DUST CAUSED BY WIND EROSION.

24. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.

25. COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).

26. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE THE CLASS AND TYPE OF EROSION CONTROL MATTING SHOWN ON EROSION PLANS. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER **WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT 1052**.

~~27. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE THE CLASS AND TYPE OF EROSION CONTROL MATTING SHOWN ON EROSION PLANS. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER **WDNR TECHNICAL STANDARD CHANNEL EROSION MAT 1053**.~~

28. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.

~~29. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: <http://dnr.wi.gov/botw/>~~

30. THE CONTRACTOR SHALL PROVIDE THEIR SPILL PLAN DOCUMENT IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.

~~31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: <https://www3.epa.gov/npdes/pubs/concretewashout.pdf>. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER. LIMIT EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION EQUIPMENT TO A DEFINED AREA OF THE SITE. CONTAIN RUNOFF AND PROPERLY DISPOSE OF WASTE. NO ENGINE DEGREASING IS ALLOWED ON-SITE.~~

32. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED (SUCH AS TEMPORARY SEDIMENT BASES, DITCH CHECKS, EROSION CONTROL MAT, PERIMETER BARRIER, FILTER SOCKS, SWALES, ETC.) OR AS DIRECTED BY THE OWNER.

REVISION DATE	REMARKS

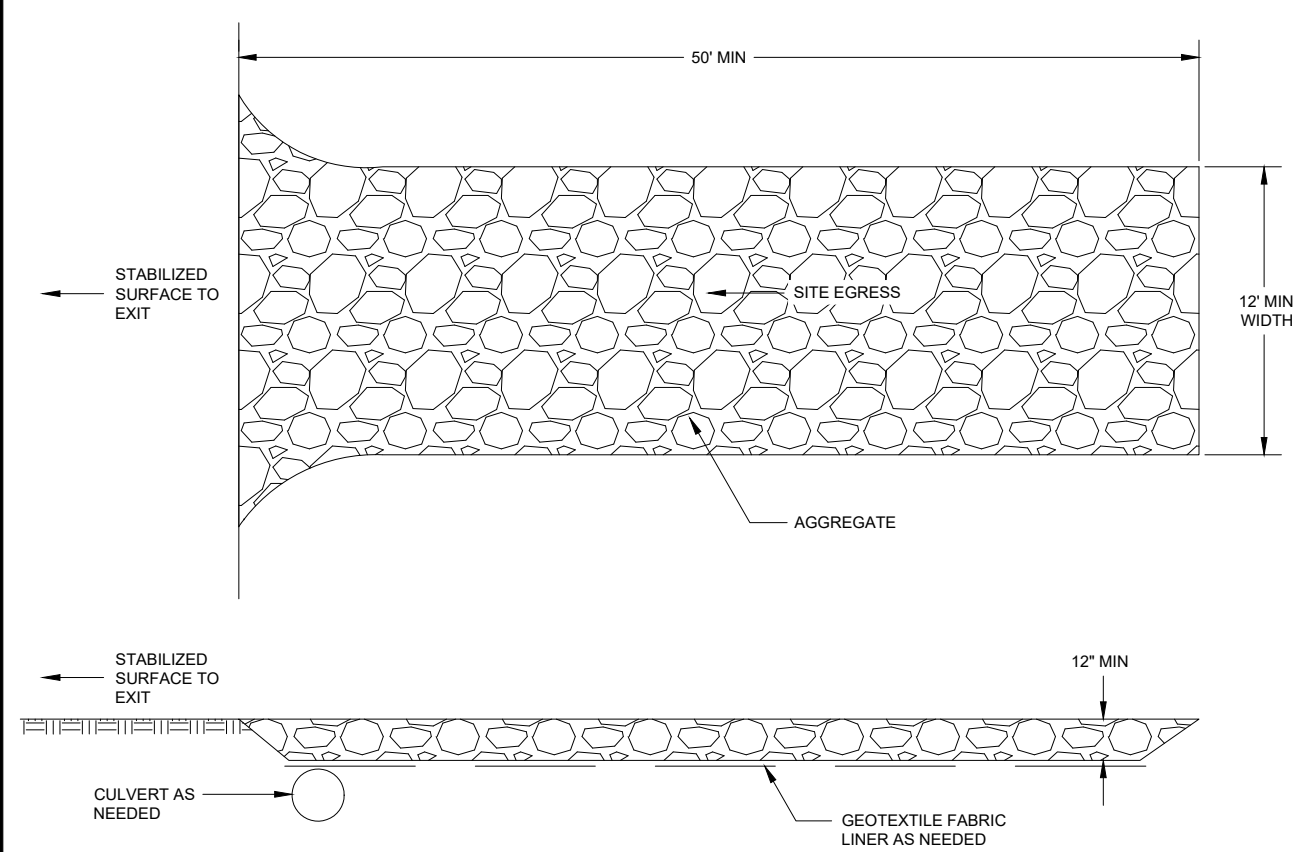


DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

EROSION CONTROL NOTES
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

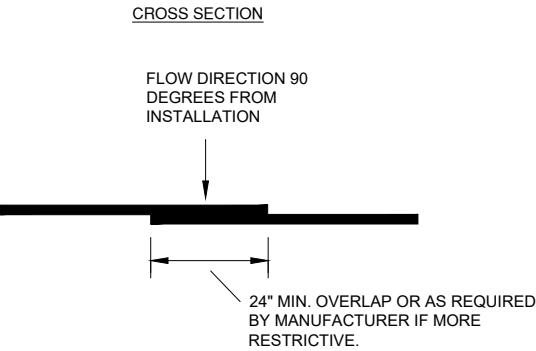
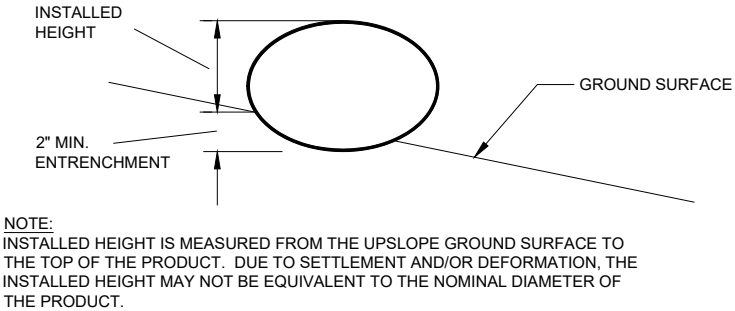
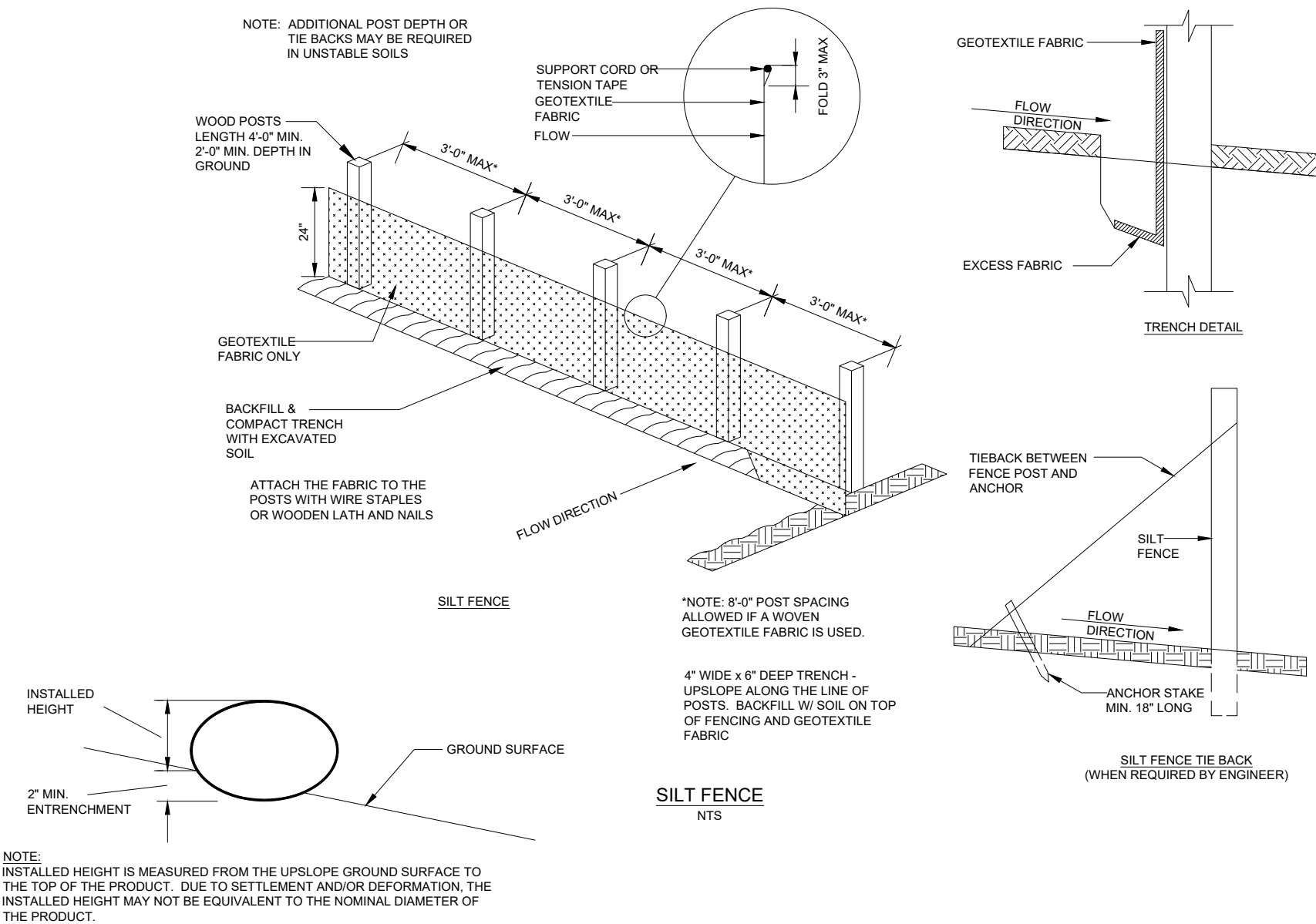
PROJECT NUMBER	1321-015.020
SHEET NO.	C500

FIELDBOOK:
SCALE: AS SHOWN
DRAWN: DJK
CHECKED: DRC
DATE: 07-23-2026



- NOTES:
1. USE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE MEETING THE GRADATION IN TABLE 1. WHERE THIS GRADATION IS NOT AVAILABLE, MEET THE GRADATION IN WISCONSIN DEPARTMENT OF TRANSPORTATION (DOT) 2018 STANDARD SPECIFICATION, SECTION 312, SELECT CRUSHED MATERIAL.
 2. SLOPE THE STONE TRACKING PAD IN A MANNER TO DIRECT RUNOFF TO AN APPROVED TREATMENT PRACTICE.
 3. SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
 4. INSTALL TRACKING PAD ACROSS FULL WIDTH OF THE ACCESS POINT, OR RESTRICT EXISTING TRAFFIC TO A DEDICATED EGRESS LANE AT LEAST 12' WIDE ACROSS THE TOP OF THE PAD.
 5. IF A 50' PAD LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.

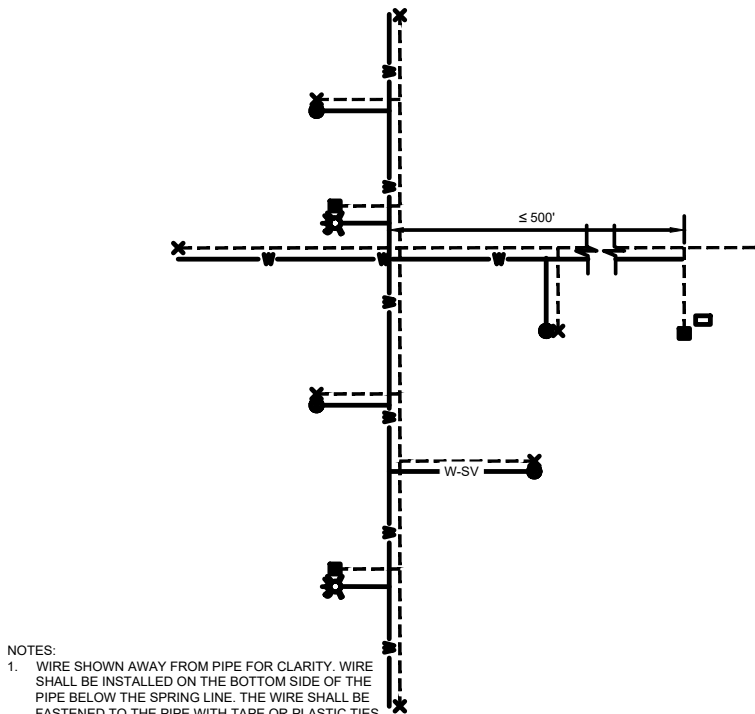
STONE TRACKING PAD DETAIL
NTS



INTERIM MANUFACTURED/ FILTER SOCK PERIMETER CONTROL (DITCH CHECKS)
NTS

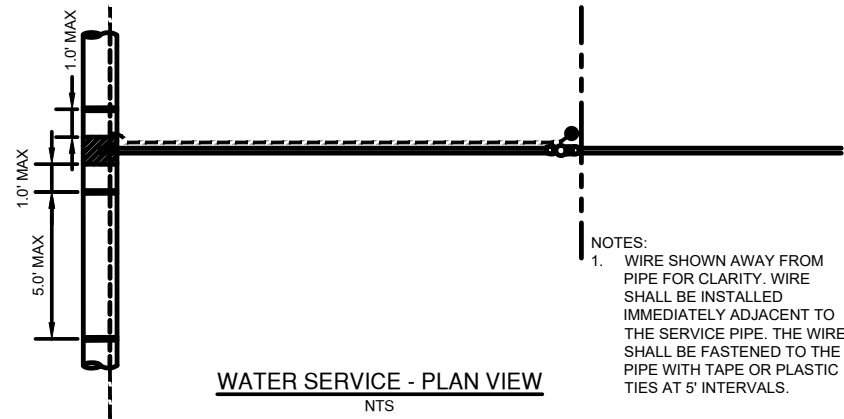
REVISION DATE	REMARKS

	DAVY ENGINEERING CO. LA CROSSE, WISCONSIN	EROSION CONTROL DETAILS LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT LA CROSSE, WISCONSIN		PROJECT NUMBER 1321-015.020	
				FIELDBOOK: SCALE: AS SHOWN	SHEET NO. C501
				DRAWN: DJK	
				CHECKED: DRC DATE: 07-23-2026	

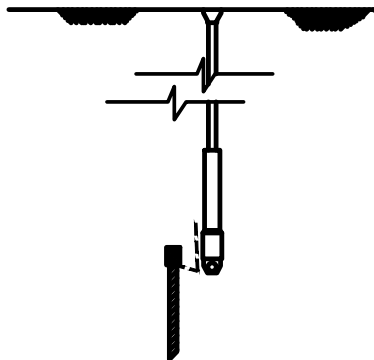


- NOTES:
1. WIRE SHOWN AWAY FROM PIPE FOR CLARITY. WIRE SHALL BE INSTALLED ON THE BOTTOM SIDE OF THE PIPE BELOW THE SPRING LINE. THE WIRE SHALL BE FASTENED TO THE PIPE WITH TAPE OR PLASTIC TIES AT 5' INTERVALS.
 2. PROVIDE GRADE LEVEL (IN GROUND) TRACE WIRE ACCESS BOX AND DRIVE-IN MAGNESIUM GROUNDING ANODE AT EACH HYDRANT OR AT DISTANCES OF ≤ 500 FT. FOR HYDRANT SPACING OVER 500', INSTALL ACCESS BOXES AS DIRECTED BY THE ENGINEER AT THE EDGE OF THE RIGHT OF WAY AND MARK WITH A MINIMUM 48" MARKER POST COLOR CODED FOR THE UTILITY BEING MARKED.

TYPICAL TRACER WIRE PLAN (WATER)
NTS



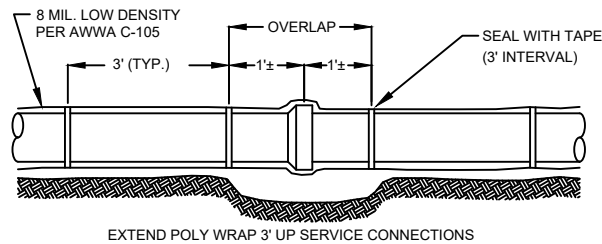
WATER SERVICE - PLAN VIEW
NTS



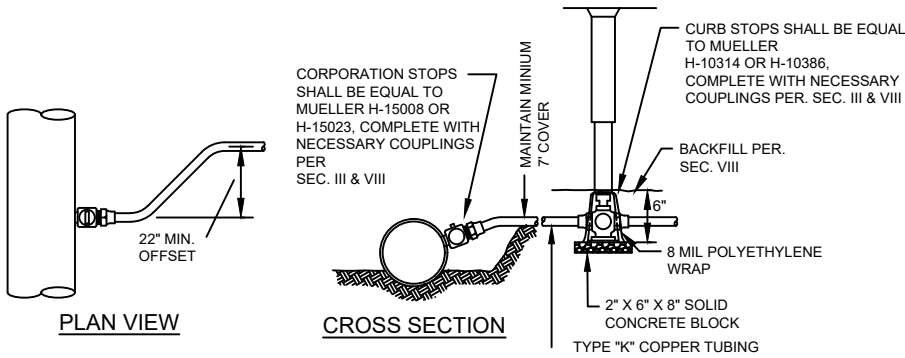
WATER SERVICE - SECTION VIEW
NTS

TRACER WIRE DETAILS

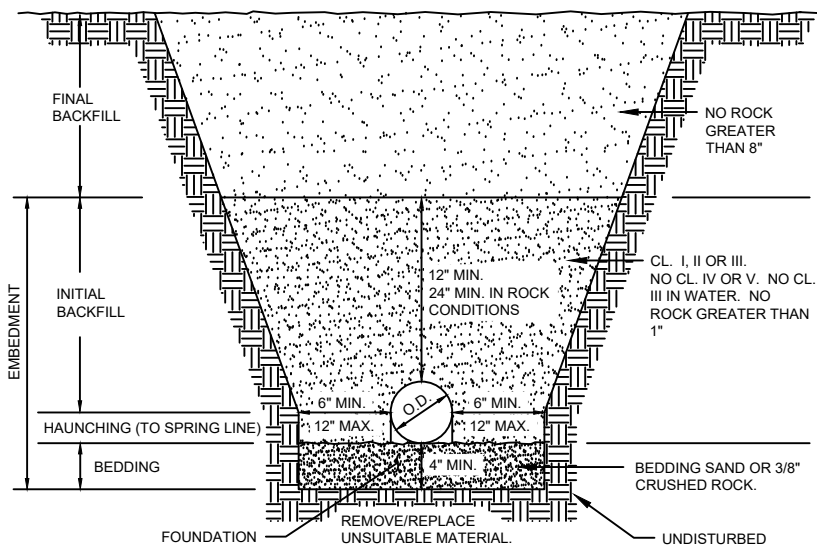
- NOTES:
1. WIRE SHOWN AWAY FROM PIPE FOR CLARITY. WIRE SHALL BE INSTALLED IMMEDIATELY ADJACENT TO THE SERVICE PIPE. THE WIRE SHALL BE FASTENED TO THE PIPE WITH TAPE OR PLASTIC TIES AT 5' INTERVALS.



POLYETHYLENE PIPE WRAP FOR DIP
NTS



COPPER WATER SERVICE CONNECTION
NTS



STANDARD PIPE BEDDING DETAIL

NTS			
SOIL CLASSIFICATION CHART			
COARSE-GRAINED SOILS			
		GRAVELS	
GW	WELL-GRADED GRAVEL	MORE THAN 50% OF COARSE FRACTION RETAINED ON #4 SIEVE	CLEAN GRAVELS
GP	POORLY GRADED GRAVEL		< 5% FINES
GM	SILTY GRAVEL		GRAVEL WITH FINES >12% FINES
GC	CLAYEY GRAVEL	SANDS	
SW	WELL-GRADED SAND	50% OR MORE OF COARSE FRACTION PASSES #4 SIEVE	CLEAN SANDS
SP	POORLY GRADED SAND		<5% FINES
SM	SILTY SAND		SAND WITH FINES >12% FINES
SC	CLAYEY SAND		

FINE-GRAINED SOILS			
		SILTS AND CLAYS	
CL	LEAN CLAY	LIQUID LIMIT <50	INORGANIC
ML	SILT		
OL	ORGANIC CLAY/SILT		ORGANIC
CH	FAT CLAY	LIQUID LIMIT >50	INORGANIC
MH	ELASTIC SILT		
OH	ORGANIC CLAY/SILT		ORGANIC
PT	PEAT		

SOIL CLASSES			
CRUSHED ROCK	SW, SP, GW, GP	<12% PASSING #200	CLASS I
CLEAN COARSE GRAINED	GM, GC, SM, SC	>12% PASSING #200	CLASS II
COARSE GRAINED WITH FINES	CL, ML	>30% RETAINED #200	CLASS III
SILTY CLAY	CL, ML	<30% RETAINED #200	CLASS IV
FINE GRAINED	MH, CH, CL, CH, PT		CLASS V

USE OF SOIL CLASSES FOR FOUNDATION, EMBEDMENT AND BACKFILL	
FOUNDATION	4" MINIMUM IN ROCK EXCAVATION
FOUNDATION - NO WATER	CLASS I, II OR III OR SUBCUT AND USE CLASS I OR II
FOUNDATION - WITH WATER	CLASS I OR II OR SUBCUT AND USE CLASS I OR II
BEDDING	4" MINIMUM BEDDING SAND (3.24.2) OR 3/8" CRUSHED ROCK (3.24.1)
EMBEDMENT - NO WATER	CLASS I, II OR III OR REPLACE WITH CLASS I, II OR III
EMBEDMENT - WITH WATER	CLASS I OR II OR REPLACE WITH CLASS I OR II
FOUNDATION AND EMBEDMENT	NO ROCK > 1", NO CLASS IV OR V
FINAL BACKFILL	NO ROCK > 8"
EMBEDMENT INCLUDES BEDDING, HAUNCHING AND INITIAL BACKFILL	

COMPACTION FOR FOUNDATION, EMBEDMENT AND BACKFILL	
FOUNDATION	90% MODIFIED PROCTOR
BEDDING	90% MODIFIED PROCTOR
HAUNCHING	90% MODIFIED PROCTOR
INITIAL BACKFILL	90% MODIFIED PROCTOR
FINAL BACKFILL	90% - 95% MODIFIED PROCTOR

SOIL CLASSIFICATION CHARTS

REVISION DATE	REMARKS



DAVY ENGINEERING CO.
LA CROSSE, WISCONSIN

WATERMAIN DETAILS
LA CROSSE NORTH SIDE FLOODPLAIN DEVELOPMENT
LA CROSSE, WISCONSIN

FIELDBOOK:
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PROJECT NUMBER
1321-015.020
SHEET NO.
C502