Contract Documents

Milwaukee Metropolitan
Sewerage District

HONEY CREEK EMERGENCY REPAIR PROJECT BLUE MOUND ROAD TO ST ANNES COURT

Contract XxxxxxXxx

Plans

CONTRACT #---- INDEX TO DRAWINGS

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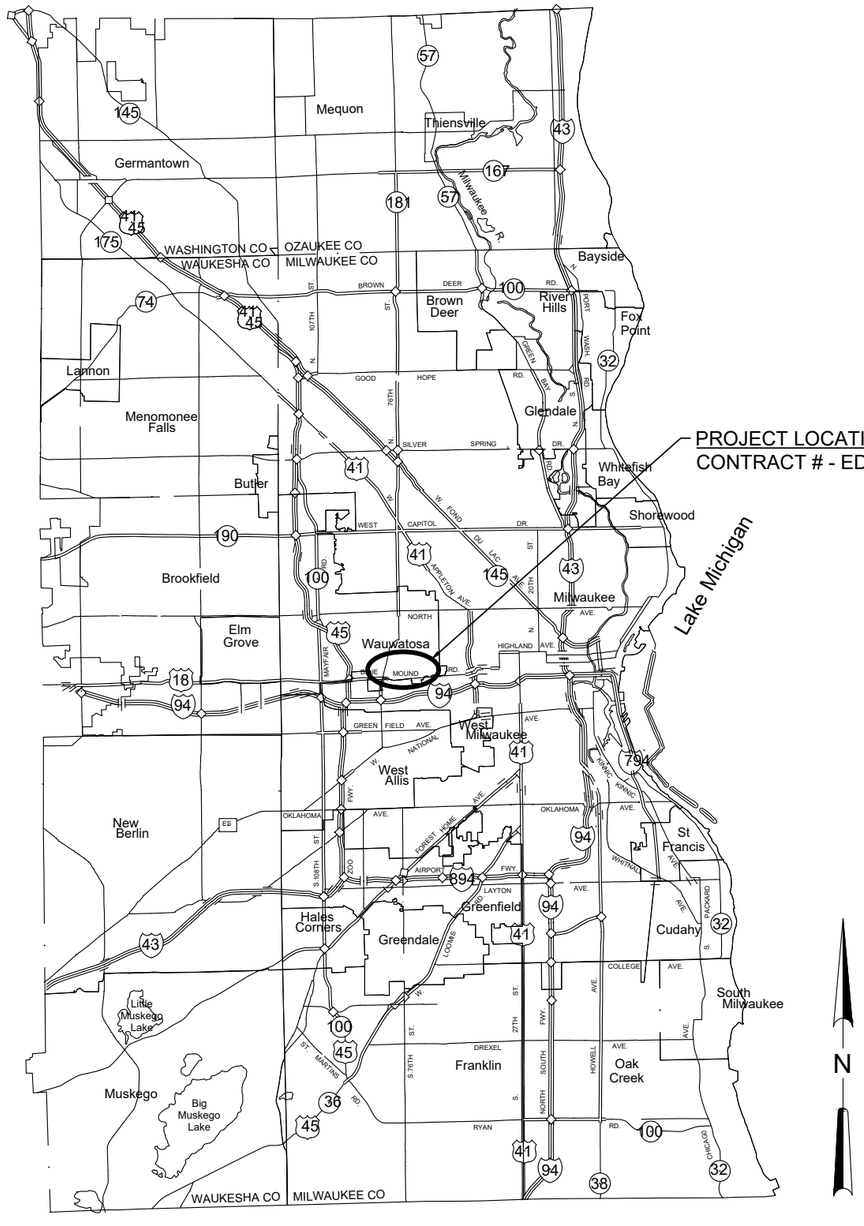
For information regarding this project contact: MMSD Procurement Specialist: *NAME* Email: procurement@mmsd.com

MMSD
PARTNERS FOR A CLEANER ENVIRONMENT

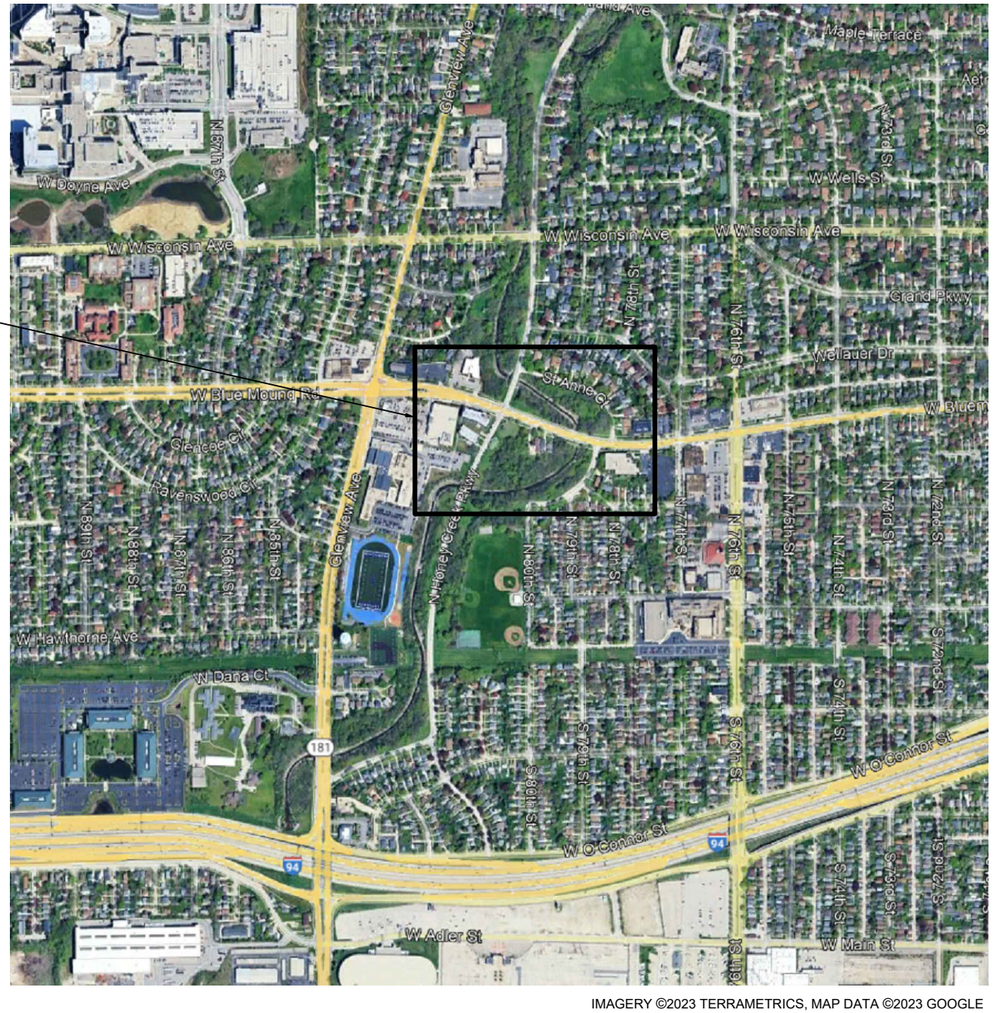
FOR AGENCY REVIEW ONLY
10/7/2025

DRAWING STATUS

MMSD FILE NO. XXXXXXXXX.dwg



VICINITY MAP
NTS



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LOCATION MAP
NTS

PRELIMINARY DESIGN REVIEW

REUSE OF DOCUMENTS
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HORIZONTAL DATUM
NAD83 WISCONSIN STATE PLANE SOUTH ZONE COORDINATE SYSTEM
VERTICAL DATUM
NGVD29 NATIONAL GEODETIC VERTICAL DATUM ON 1929

DSGN ##########
DR WKB
CHK ##########
APVD ########

This Design Prepared For MMSD By:
JACOBS
In Association With:

FOR AGENCY REVIEW ONLY
10/7/2025

REV. NO.	DATE	REVISION DESCRIPTION	BY	APVD

MMSD
PARTNERS FOR A CLEANER ENVIRONMENT

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT

WATERCOURSE
HONEY CREEK EMERGENCY REPAIR PROJECT
BLUEMOUND ROAD TO ST ANNES COURT

VICINITY MAP AND LOCATION MAP

DRAWING NO.:	G-02
SHEET:	2 OF 10
DATE:	OCTOBER, 2025
CONTRACT:	W40012D01
MMSD FILE:	VIC MAP.DWG

ABBREVIATIONS

@	AT
ABDN	ABANDONED
ADDL	ADDITIONAL
AGGR	AGGREGATE
AHD	AHEAD
AL	ALUMINUM
ALT	ALTERNATE
APPROX	APPROXIMATE
APVD	APPROVED
ASPH	ASPHALT
ASTM	THE AMERICAN SOCIETY OF TESTING AND MATERIALS
AVE	AVENUE
B	BORING
BHD	BULKHEAD
BK	BACK
BLDG	BUILDING
BM	BENCHMARK
BOT	BOTTOM
BTWN	BETWEEN
C	CONSTRUCTION, CONDUIT
CB	CATCH BASIN
C-C	CENTER TO CENTER
CJ	CONSTRUCTION JOINT
C/L	CENTERLINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CONST	CONSTRUCT, CONSTRUCTION
CTR	CENTER
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DRAIN	DRAINAGE
DRL	DESIGN REFERENCE LINE
DSGN	DESIGNER
DWG	DRAWING
E	EASTING, EAST
EA	EACH
EF	EACH FACE
EG	EXISTING GRADE
EL	ELEVATION
ELEV	ELEVATION
EQL	EQUAL
EXP JT	EXPANSION JOINT
EXST	EXISTING
EW	EACH WAY
FACIL	FACILITY
FCC	FLOOD CONVEYANCE CHANNEL
FES	FABRIC ENCAPSULATED SOIL
FIG	FIGURE
FL	FLOWLINE
FRP	FIBERGLASS REINFORCED PIPE
FSS	FLOOD CHANNEL SIDE SLOPES
FT	FOOT, FEET
FTG	FOOTING
'/'	FOOT PER FOOT
G	GAS
GA	GAUGE
GCB	GRADE CONTROL BASE
GND	GROUND
GR	GRADE
HORIZ	HORIZONTAL
HP	HIGH POINT
HYD	HYDRANT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INVT	INVERT
JT	JOINT
LB	POUND
LBS	POUNDS
LF	LINEAL FEET
LFC	LOW FLOW CHANNEL
LONG. JT	LONGITUDINAL JOINT
L JT	LONGITUDINAL JOINT
LT	LEFT
MATL	MATERIAL
MAX	MAXIMUM
METRO	METROPOLITAN
MH	MANHOLE

ABBREVIATIONS

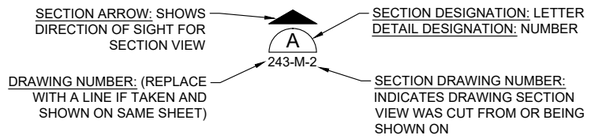
MIN	MINIMUM
MIS	METRO INTERCEPTING SEWER
MISC	MISCELLANEOUS
MMSD	MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
N	NORTH, NORTHING
NE	NORTHEAST
NC	NOT IN CONFLICT
NIC	NOT IN CONTRACT
NO	NUMBER
#	NUMBER
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OVHD ELEC	OVERHEAD ELECTRIC UTILITIES
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
POB	POINT OF BEGINNING
POE	POINT OF ENDING
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PROP	PROPOSED
PSI	POUND PER SQUARE INCH
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PZ	PIEZOMETER
R	RANGE
RR	RAILROAD
RT	RIGHT
REINF	REINFORCING
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
REPL	REPLACE
REQD	REQUIRED
R/L	REFERENCE LINE
RMV	REMOVE
ROW	RIGHT OF WAY
R/W	RIGHT OF WAY
RPP	REINFORCED POLYPROPYLENE
S	SOUTH, SLOPE
SAN	SANITARY SEWER
SB#	SOIL BORING
SE	SOUTHEAST
SECT	SECTION
SHT	SHEET
SI	SLOPE INTERCEPT
SIM	SIMILAR
SPG	SPACING
SPEC	SPECIFICATIONS
SQ	SQUARE
ST	STREET
STA	STATION
STD	STANDARD
STK	STAKE
SS	STORM SEWER SPECIAL SECTION
SW	SOUTHWEST
T	TOWNSHIP
T&B	TOP AND BOTTOM
TC	TELEPHONE CABLE
TOC	TOP OF CHANNEL
TOR	TOP OF REVETMENT
TOS	TOP OF SLOPE
TOPO	TOPOGRAPHIC
TYP	TYPICAL
VC	VITRIFIED CLAY
VERT	VERTICAL
VRM	VEGETATED REVETMENT MATTRESS
W	WEST
W	WATER
WS	WATER SURFACE
W/	WITH
WEPCO	WISCONSIN ELECTRIC POWER COMPANY
WISDOT	WISCONSIN DEPARTMENT OF TRANSPORTATION
WP	WORKING POINT
WS	WATER SURFACE
WWF	WELDED WIRE FABRIC

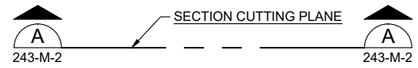
SECTION AND DETAIL TITLES

SECTION — A — 1/4" = 1'-0" — 243-M-2

DETAIL — A — 1/4" = 1'-0" — 243-M-2

SECTION OR DETAIL DESIGNATION





PROJECT DETAIL DESIGNATION

ON DRAWINGS WHERE PROJECT DETAIL IS TAKEN

SEE DETAIL (311)
OR
SEE DETAIL 311

DESIGNATION SYMBOLS

ON DRAWING WHERE PROJECT DETAIL IS SHOWN

(311)
OR
311

DETAIL DESIGNATION NUMBERS

TYPE	DETAIL NUMBERS
CIVIL	1 THRU 49
ARCHITECTURAL	50 THRU 199
STRUCTURAL	200 THRU 299
MECHANICAL	300 THRU 499
HVAC	500 THRU 599
I & C	600 THRU 699
ELECTRICAL	700 THRU 799

GENERAL NOTES:

2. THIS IS A STANDARD LEGEND SHEET. SO SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT BE USED ON THE PLANS.

PRELIMINARY DESIGN REVIEW

HORIZONTAL DATUM
NAD83 WISCONSIN STATE PLANE SOUTH ZONE COORDINATE SYSTEM

VERTICAL DATUM
NGVD29 NATIONAL GEODETIC VERTICAL DATUM ON 1929

DSGN ##########
DR WKB
CHK ##########
APVD ########

This Design Prepared For MMSD By: JACOBS

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MMSD PARTNERS FOR A CLEANER ENVIRONMENT

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT

WATERCOURSE
HONEY CREEK EMERGENCY REPAIR PROJECT
BLUEMOUND ROAD TO ST ANNES COURT

ABBREVIATIONS AND SECTION AND DETAIL DESIGNATIONS

DRAWING NO.:	G-03
SHEET:	3 OF 10
DATE:	OCTOBER, 2025
CONTRACT:	W40012D01
MMSD FILE:	GEN NOTES.DWG

SYMBOLS

W — WATER PIPELINE WITH FIRE HYDRANT & VALVE WITH BOX

WATER VALVE

WATER FIRE HYDRANT

GAS VALVE

HANDHOLE — HANDHOLE

TRAFFIC SIGNAL PEDESTAL

TRAFFIC SIGNAL OVERHEAD

911 — FIRE AND POLICE BOX

LUMINAIRE AND POLE

UTILITY POLE W/DIRECTION OF CABLE & GUY ANCHOR

12" CMP — CULVERT (SIZE AND TYPE INDICATED)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB / BUSH

20" STUMP — STUMP AND SIZE

SIGN

BOLLARD

SURFACE RESTORATION TYPE

RIP-RAP

STRUCTURES

FENCE LINE

RAILROAD

PIPE & UTILITY IDENTIFICATION

NEW

EXISTING

SS — SS — STORM SEWER

SAN — SAN — SANITARY SEWER

CMB — CMB — COMBINED SEWER

PS — PS — PRESSURE SEWER

MIS — MIS — MIS (MILWAUKEE INTERCEPTING SEWER)

NSC — NEAR SURFACE COLLECTOR

CSO — CSO — COMBINED SEWER OUTFALL

ISS — INLINE STORAGE SYSTEM

SSFM — SOUTH SHORE FORCE MAIN

CLW — CLEARWATER SEWER

IPS — IPS — INTERPLANT SOLIDS

SSMIS — SSMIS — SPECIAL SECTION MIS SEWER

ABND MIS — ABANDONED MIS SEWER

G — G — G — GAS PIPELINE

E — E — E — ELECTRICAL

OHW — OVERHEAD UTILITY WIRE

FO — FO — FIBER OPTIC CABLE

W — W — W — WATER

INLET / CATCH BASIN

EXISTING MANHOLE

NEW MANHOLE

8" BULKHEAD — BULKHEAD

STORM SEWER WITH CATCH BASIN & MANHOLE (SINGLE AND DOUBLE LINE)

X — REMOVE UNDER THIS CONTRACT

SURVEY

2040 — SECTION LINE AND CORNER W/NUMBER

(N) 393400
(E) 2535500 — STATE PLANE COORDINATE GRID SOUTH ZONE

SECTION LINE

1/4 SECTION LINE

ROW — ROW — STREET RIGHT-OF-WAY LINE

BACK OF CURB LINE

FRONT OF CURB LINE

GUTTER / FLOW LINE

FLANGE

CENTERLINE ℄

LOT LINE

CONTROL POINT

TRAVERSE POINT

EB 02 — BORING LOCATION

POINT OF CURVATURE (PC), TANGENCY (PT), OR INTERSECTION (PI) ON SURVEY REFERENCE LINE

C304, PC, PT, PI, REFERENCE LINE SHOWN — TYPICAL CURVE LAYOUT SEE SHEET FOR COORDINATE GEOMETRY

CHANNEL BOTTOM (5 FEET WIDE) W/ REFERENCE LINE SHOWN

4, 7, 4, 1, 1 — REFERENCE LINE LOCATION ON CHANNEL SECTION

SURVEYED RIVER CENTERLINE AND POINTS

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MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
WATERCOURSE
HONEY CREEK EMERGENCY REPAIR PROJECT
BLUEMOUND ROAD TO ST ANNES COURT
STANDARD SYMBOLS

DRAWING NO.:	G-04
SHEET:	4 OF 10
DATE:	OCTOBER, 2025
CONTRACT:	W40012D01
MMSD FILE:	LEGEND.DWG

GENERAL REQUIREMENTS

SPECIFICATIONS

UNLESS OTHERWISE NOTES, MATERIALS AND FINISHED WORK SHALL CONFIRM TO THE CURRENT EDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS.

MATERIALS

CONCRETE

GENERAL - CONCRETE SHALL CONFORM TO SECTION 501, GRADE A, OF THE STANDARD SPECIFICATIONS.

FOR FILLING VOIDS - CONCRETE FOR FILLING VOIDS UNDER EXISTING AND DISPLACED CHANNEL LINER CONCRETE SLABS SHALL INCLUDE A HIGH RANGE WATER REDUCER PER 502.3.5.3(2) OF THE STANDARD SPECIFICATIONS.

DEPOSITED UNDER WATER - CONCRETE DEPOSITED UNDER STANDING OR SEEPING WATER SHALL INCLUDE A HIGH RANGE WATER REDUCER PER 502.3.5.3(2) AND BE DEPOSITED USING A TREMIE AS SPECIFIED IN 502.3.5.3(3) OF THE STANDARD SPECIFICATIONS

DEFORMED CARBON STEEL DEFORMED REINFORCEMENT BARS: CONFORM TO ASTM A615, GRADE 60.

WELDED WIRE FABRIC (WWF)

CONFORM TO ASTM A1064. WWF SHALL BE DELIVERED AND PLACED AS FLAT PANELS. ROLLED WWF IS NOT PERMITTED.

RIPRAP

CONFORM TO LIGHT RIPRAP PER SECTION 606 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION

TRAFFIC

MAINTAIN TRAFFIC AND ACCESS TO ALL DRIVEWAYS ON ST. ANNE COURT BETWEEN HONEY CREEK PARKWAY AND WEST BLUEMOUND ROAD AT ALL TIMES.

A SINGLE LANE CLOSURE ON SOUTHBOUND HONEY CREEK PARKWAY IS PERMITTED DURING BUSINESS HOURS ONLY. MAINTAIN ONE LANE OF TRAFFIC WITH A FLAGGER DURING BUSINESS HOURS.

SITE ACCESS

THE CONTRACTOR SHALL PREPARE AND SUBMIT A SITE ACCESS PLAN TO THE ENGINEER DETAILING ACCESS TO THE SITE FOR EQUIPMENT AND MATERIAL DELIVERY AND REMOVAL OF DEBRIS. ACCESS VIA THE HONEY CREEK PARKWAY AND ST ANNES CT IS PERMITTED WITHOUT REMOVAL OR DAMAGE TO STANDING TREES AND BUSHES. AS MUCH AS PRACTICAL, EXERCISE CARE AND IMPLEMENT MITIGATION MEASURES TO MINIMIZE DAMAGE TO EXISTING GRASS AND GROUND COVER VEGETATION. SEE SHEET C-01 FOR EROSION AND SEDIMENTATION CONTROL REQUIREMENTS.

SITE RESTORATION

RESTORE ALL EXISTING GRADES, DAMAGED GRASS, AND GROUND COVER VEGETATION UPON COMPLETION OF THE CREEK RESTORATION AND DEMOBILIZATION FROM THE SITE.

DEBRIS REMOVAL

REMOVE ALL DEBRIS WITHIN HONEY CREEK BETWEEN THE LIMITS SHOWN ON THE PLAN. DEBRIS REMOVAL INCLUDES ALL DISPLACED CONCRETE CHANNEL LINER SLABS; BROKEN CONCRETE PIECES; DISPLACED CONCRETE CHANNEL LINER SLABS; BROKEN CONCRETE PIECES; DISPLACED RIPRAP; GRAVEL, SAND, AND SILT DEPOSITS; DISPLACED TREE LIMBS AND BRANCHES; AND REFUSE.CUT OFF AND REMOVE ALL VEGETATION GROWING BETWEEN CRACKS AND JOINTS OF THE EXISTING CONCRETE CHANNEL LINER SLABS THAT ABUT NEWLY PLACED CONCRETE.

CONCRETE CHANNEL LINER SLAB REMOVAL

REMOVE EXISTING CONCRETE CHANNEL LINER SLABS OR PORTIONS THEREOF TO THE LIMITS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER. CHANNEL LINER SLAB REMOVALS SHALL BE GENERALLY TAKEN TO JOINTS OF THE EXISTING CHANNEL LINER SLABS. WHERE THIS IS NOT POSSIBLE, DEFINE THE CONCRETE CHANNEL LINER SLAB REMOVAL LIMIT WITH A FULL DEPTH SAW CUT.

VOIDS

CLEAN OUT EXPOSED VOIDS UNDER REMOVED CONCRETE CHANNEL LINER SLABS OF ANY LOOSE DEBRIS AND DELETERIOUS MATERIAL. FILL VOIDS WITH FLOWABLE, HIGH SLUMP CONCRETE. IF VOIDS HAVE STANDING, SEEPING OR RUNNING WATER, PUMP WATER FROM VOID PRIOR TO FILLING VOID WITH CONCRETE. IF CONCRETE MUST BE DEPOSITED UNDER WATER, DEPOSIT USING A TREMIE PER THE STANDARD SPECIFICATIONS. FILL VOIDS WITH FLOWABLE HIGH SLUMP CONCRETE TO THE BOTTOM OF THE FINISHED CONCRETE CHANNEL LINER SLABS THAT WILL BE A SUBSEQUENT PLACEMENT.

REPLACE CONCRETE CHANNEL LINER SLABS

REPLACE CONCRETE CHANNEL LINER SLABS TO THE LIMITS SHOWN ON THE PLANS AND AS DELINEATED BY THE ENGINEER. PROVIDE MINIMUM CONCRETE CHANNEL LINER THICKNESS, REINFORCEMENT AND JOINTS AS SHOWN IN THE PLANS. MAINTAIN AND MATCH EXISTING CHANNEL ELEVATIONS AND GRADES. PROVIDE A BROOM FINISH OF THE EXPOSED FINAL CHANNEL LINER SURFACE.

LINE ITEM AND QUANTITY TABLE BY BRIDGE/SITE

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MILWAUKEE METROPOLITAN SEWERAGE DISTRICT

WATERCOURSE
HONEY CREEK EMERGENCY REPAIR PROJECT
BLUEMOUND ROAD TO ST ANNES COURT

CONSTRUCTION SPECIFICATIONS AND NOTES

DRAWING NO.:	G-05
SHEET:	5 OF 10
DATE:	OCTOBER, 2025
CONTRACT:	W40012D01
MMSD FILE:	SPECS-NOTES.DWG

GENERAL EROSION CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE CONSTRUCTION ACTIVITIES BEGIN. THESE MEASURES MUST REMAIN IN PLACE AND FUNCTIONAL THROUGHOUT THE COURSE OF EARTH DISTURBING ACTIVITY AND MAY ONLY BE REMOVED ONCE THE DISTURBED SITE IS RE-STABILIZED.
2. MINIMIZE DISRUPTION TO THE EXISTING VEGETATED GROUND COVER TO THE GREATEST EXTENT POSSIBLE.
3. EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF CH. NR 151. WIS., ADMIN. CODE. REFER TO THE "WISCONSIN CONSTRUCTION SITE EROSION CONTROL FIELD GUIDE" FOR ADDITIONAL INFORMATION.
4. SOIL STOCKPILED MUST BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING TO PREVENT SOIL LOSS.
5. UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE DEPARTMENT OF NATURAL RESOURCES "RAINWATER AND LAND DEVELOPMENT" MANUAL, CURRENT EDITION, SHALL GOVERN THE EROSION AND SEDIMENT CONTROL INSTALLATIONS SPECIFIED ON THIS PLAN.
6. SILT FENCES AND INLET PROTECTION ARE TO BE CONTINUOUSLY MAINTAINED BY THE CONTRACTOR UNTIL RISK OF EROSION/SEDIMENTATION OCCURRING HAS BEEN ELIMINATED.
7. THE CONTRACTOR SHALL PERFORM STREET SWEEPING, ON A REGULAR BASIS, AND IMMEDIATELY IN THE EVENT THAT MUD OR OTHER DEBRIS ARE TRACKED ONTO THE STREET.
8. THE CONTRACTOR SHALL INSPECT STREETS AND JOBSITE PERIMETER AT THE END OF EACH WORKING DAY TO ENSURE THAT ALL DEBRIS WITH POTENTIAL TO ENTER EXISTING STORM SEWERS AND WATER COURSES ARE REMOVED.

STABILIZATION:

DISTURBED AREAS MUST BE STABILIZED AS FOLLOWS:

1. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION ACTIVITIES THAT ARE TO FINAL GRADE, AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED WITHIN 7 CALENDAR DAYS.
2. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION ACTIVITIES, AND IN WHICH NO CONSTRUCTION ACTIVITIES WILL OCCUR FOR ONE YEAR OR MORE SHALL BE SEEDED AND MULCHED WITHIN 7 CALENDAR DAYS.
3. TEMPORARY SEEDING WILL CONSIST OF THE FOLLOWING OR AN APPROVED EQUAL:

SEEDING PERIOD	TYPE	RATE (1000 SF)
SPRING AND SUMMER	1. OATS	3 LBS
	2. PEREN. RYEGRASS	1 LBS
	3. TALL FESCUE	1 LBS
FALL	1. PEREN. RYEGRASS	1 LBS
	2. RYE	3 LBS
	3. WHEAT	3 LBS
	4. TALL FESCUE	1 LBS

3.1 SEEDBED PREPARATION:

A. LIME (IN LIEU OF A SOIL TEST RECOMMENDATION) SHALL BE APPLIED ON ACID SOIL (ph=5.5 OR LESS) AND SUBSOIL AT A RATE OF 100 POUNDS PER 1000 SF, OR TWO (2) TONS PER ACRE OF AGRICULTURAL GROUND LIMESTONE.

B. FERTILIZER (IN LIEU OF A SOILS TEST RECOMMENDATION), SHALL BE APPLIED AT A RATE OF 12-15 POUNDS (25 POUNDS FOR PERMANENT SEEDING), PER 1000 SF OF 10-10-10 OR 12-12-12 ANALYSIS OR EQUIVALENT.

3.2 SEED APPLICATION:

APPLY THE SEED UNIFORMLY WITH A HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) PREFERABLY ON A FIRM, MOIST SEEDBED. SEED WHEAT OR RYE NO DEEPER THAN ONE (1) INCH. SEED RYEGRASS NO DEEPER THAN ONE QUARTER OF AN INCH.

INLET PROTECTION:

1. CURB INLETS AND TRENCH DRAINS MUST BE PROTECTED BY A DANDY BAG OR APPROVED EQUAL.
2. CATCH BASIN (OUTSIDE OF TRAVELWAY) INLETS MUST BE PROTECTED BY THE USE OF STRAW BALES AND SILT FENCING COMPLETELY SURROUNDING THE STRUCTURE.
3. INLET PROTECTION DEVICES MUST BE INSPECTED FOR PROPER FUNCTION WEEKLY IF NO WEATHER EVENTS HAVE OCCURRED.
4. INLET PROTECTION DEVICES MUST BE INSPECTED BEFORE AND AFTER WEATHER EVENTS FOR PROPER FUNCTION AND REPLACED AS SUGGESTED BY MANUFACTURER RECOMMENDATIONS OR AS DIRECTED BY THE CITY.

CONSTRUCTION ENTRANCE:

1. TIMING--THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO MAJOR EQUIPMENT AND DUMP TRUCKS UTILIZING THE SITE.
2. INSTALL THE STONE TRACKING PAD TO ENSURE VEHICLES THAT DRIVE OVER EXPOSED SOIL EXIT ALONG THE FULL LENGTH OF THE PAD.
3. USE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE MEETING THE GRADATION IN TABLE 1. DRIVING SURFACE SHALL BE AT LEAST 12 FEET WIDE, 1 FOOT THICK AND 50 FEET LONG.
4. MAINTENANCE -TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
5. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
6. REMOVAL--THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED.

SILT FENCE SPECIFICATIONS:

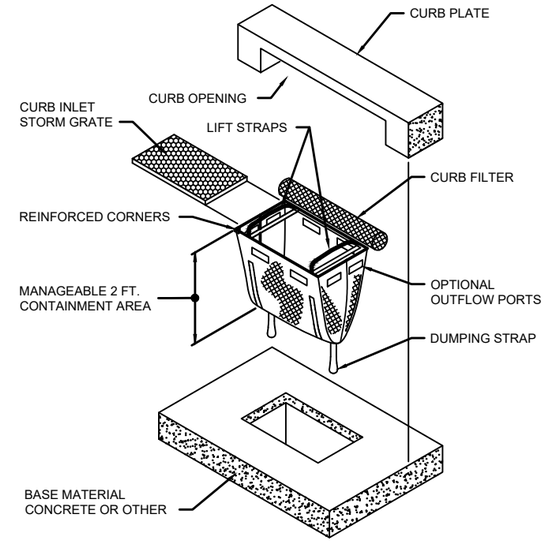
1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE GROUND COVER IS REMOVED. CLEARING, GRUBBING, AND STUMPING CAN OCCUR BEFORE SILT FENCE INSTALLATION IF GROUND COVER IS NOT REMOVED.
2. WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
3. A RUN OF SILT FENCE SHALL FOLLOW THE CONTOUR AS CLOSE AS POSSIBLE WITH THE ENDS TURNED UPSLOPE TO POND WATER BEHIND THE FENCE.
4. THE SILT FENCE SHALL BE BURIED AT LEAST 6. THIS CAN BE ACCOMPLISHED WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
5. THE STAKES SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE FILTER FABRIC. THE STAKES SHALL BE A MINIMUM OF 2X2 NOMINAL (1-1/2" X 1-1/2" ACTUAL) HARDWOOD STAKE OF SOUND QUALITY. T-POSTS MAY BE SUBSTITUTED IF GROUND CONDITIONS REQUIRE.
6. FILTER FABRIC SHALL BE FASTENED TO WOODEN POSTS USING 1/2" HEAVY DUTY STAPLES.
7. FILTER FABRIC SHALL BE PLACED IN A CONTINUOUS ROLL TO MINIMIZE THE OCCURRENCE OF JOINTS. WHERE JOINTS CANNOT BE AVOIDED, FABRIC SHALL BE SPLICED TOGETHER AT SUPPORT POSTS, WITH A MINIMUM OF 6-INCH OVERLAP, AND SECURELY SEALED.
8. WHERE TWO SILT FENCE SECTIONS ARE COMBINED INTO ONE RUN THE END STAKES SHALL BE CONNECTED TOGETHER, NOT SIMPLY OVERLAPPED. SEE DETAIL BELOW.
9. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) AN ADDITIONAL RUN OF SILT FENCE SHALL BE PLACED UPSTREAM, 2) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 3) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 4) OTHER PRACTICES SHALL BE IMPLEMENTED.
10. SILT FENCE SHALL MEET THE FOLLOWING SPECIFICATION REQUIREMENTS: MINIMUM TENSILE STRENGTH - 100 LBS.; MINIMUM PUNCTURE STRENGTH - 50 LBS.; MINIMUM TEAR STRENGTH - 40 LBS.

NOTES FOR CONSTRUCTION:

EROSION CONTROL DEVICES SHALL BE INSTALLED, IN ADVANCE, ALONG THE LIMITS OF CONSTRUCTION AS PER DETAIL ON THIS SHEET.

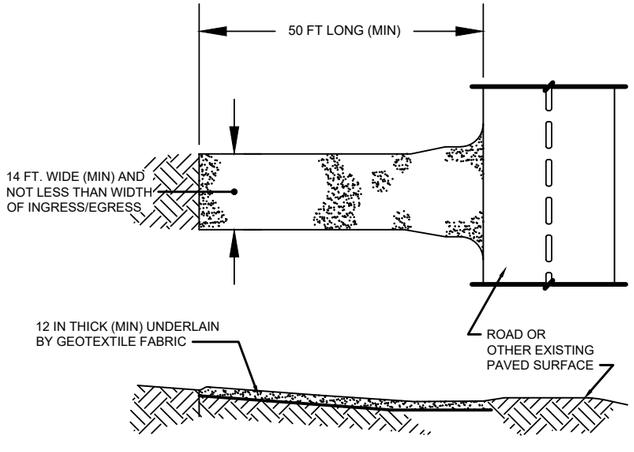
FILL MATERIAL, EQUIPMENT, ETC., SHALL BE STORED WITHIN THE RIGHT-OF-WAY, CONSTRUCTION LIMITS, OR IN STAGING AREAS AND NOT STORED WITHIN THE DRIPLINE OF ANY REMAINING TREES.

DISTURBED AREAS SHALL BE SEEDED AND/OR MULCHED, IN STAGES, AS THE PROJECT PROGRESSES TO HELP PREVENT SOIL EROSION.



DETAIL
EROSION CONTROL
INLET PROTECTION

SCALE: NTS



CONSTRUCTION ENTRANCE
STONE TRACKING PAD

SCALE: NTS

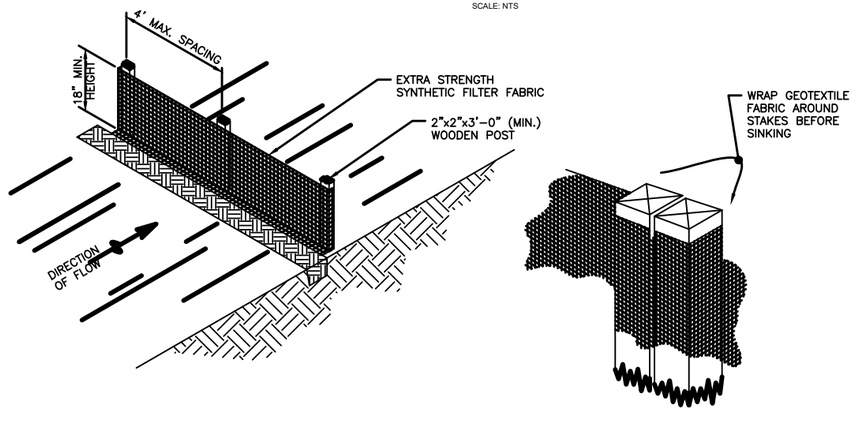


TABLE 1

SIEVE SIZE	% PASSING BY WEIGHT
3"	100
2-1/2"	90-100
1-1/2"	26-60
3/4"	0-20
3/8"	0-5

PRELIMINARY DESIGN REVIEW

HORIZONTAL DATUM
NAD83 WISCONSIN STATE PLANE SOUTH ZONE COORDINATE SYSTEM

VERTICAL DATUM
NGVD29 NATIONAL GEODETIC VERTICAL DATUM ON 1929

DSGN ##########
DR WKB
CHK ##########
APVD ########

This Design Prepared For MMSD By:
JACOBS
In Association With:

REV. NO.	DATE	REVISION DESCRIPTION	BY	APVD

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10/7/2025

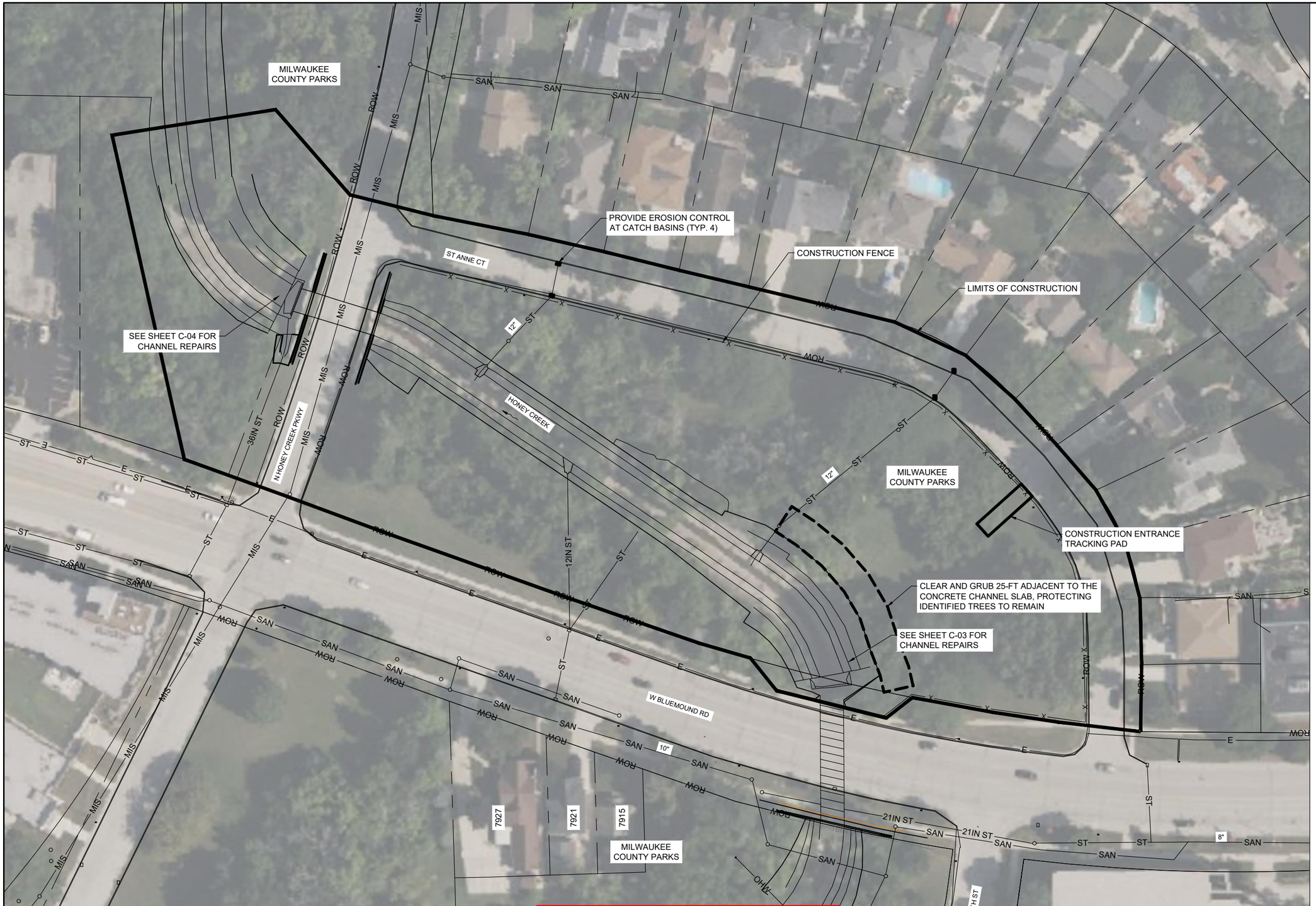
MMSD
PARTNERS FOR A CLEANER ENVIRONMENT

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT

WATERCOURSE
HONEY CREEK EMERGENCY REPAIR PROJECT
BLUEMOUND ROAD TO ST ANNES COURT

EROSION CONTROL DETAILS AND NOTES

DRAWING NO.:	C-01
SHEET:	6 OF 10
DATE:	OCTOBER, 2025
CONTRACT:	W40012D01
MMSD FILE:	SPECS-NOTES.DWG



PRELIMINARY DESIGN REVIEW

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HORIZONTAL DATUM	NAD83 WISCONSIN STATE PLANE SOUTH ZONE COORDINATE SYSTEM
VERTICAL DATUM	NGVD29 NATIONAL GEODETIC VERTICAL DATUM ON 1929

DSGN	##########
DR	WKB
CHK	##########
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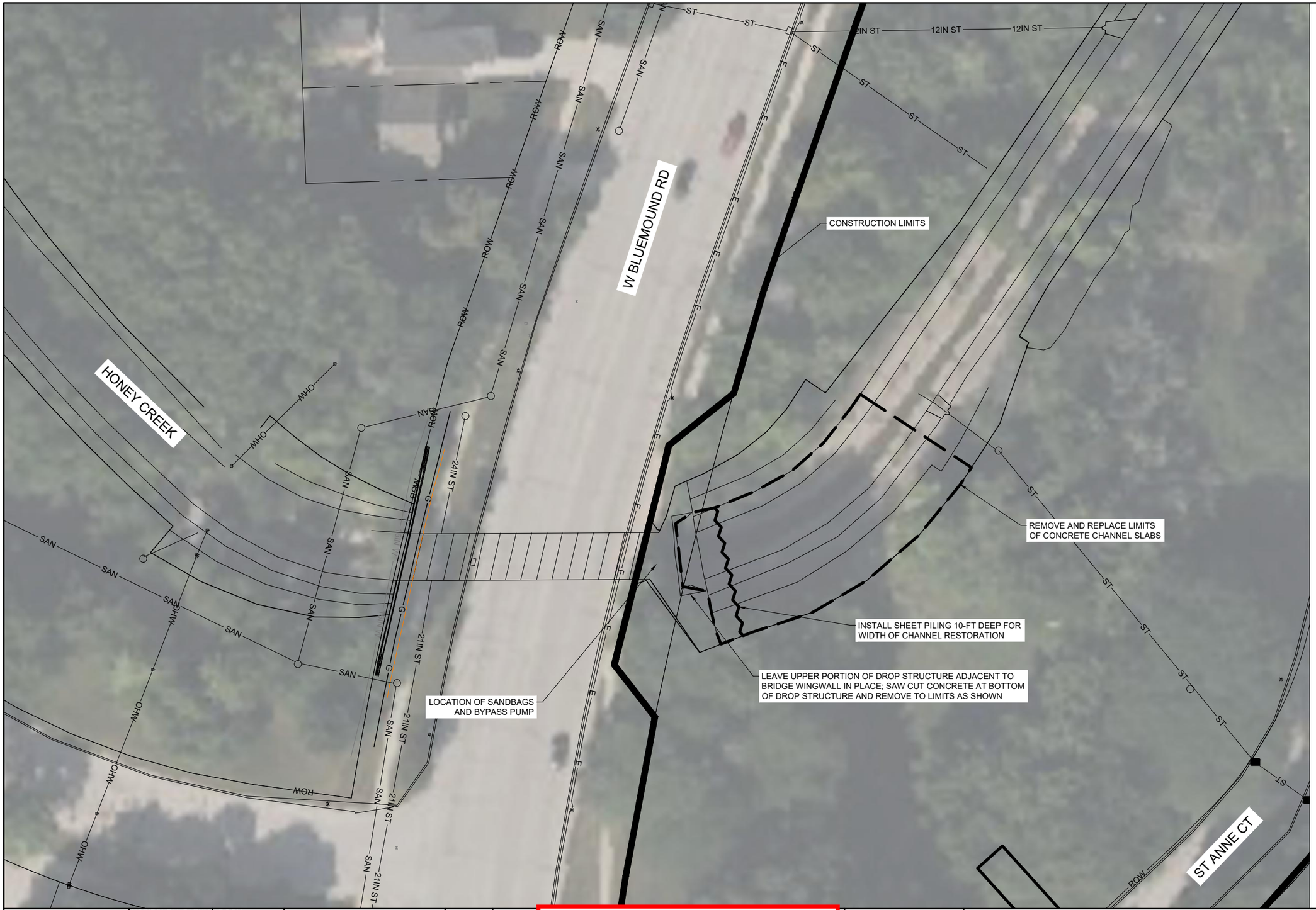
HONEY CREEK EMERGENCY REPAIR PROJECT
BLUEMOUND ROAD TO ST ANNES COURT

CONSTRUCTION LIMITS, SITE ACCESS AND EROSION CONTROL MEASURES

DRAWING NO.:	C-02
SHEET:	7 OF 10
DATE:	OCTOBER, 2025
CONTRACT:	##########
MMSD FILE:	PLAN VIEW.DWG



NOTES:

1. SEE SHEET C-01 FOR SITE ACCESS
2. GENERATOR FOR BYPASS PUMP MUST BE LOCATED OUTSIDE OF ROADWAY RIGHT-OF-WAY
3. REMOVE ALL CONCRETE AND SEDIMENT DEBRIS, AND BYPASS CREEK FLOW TO FACILITATE MAKING FINAL DETERMINATION ON CONSTRUCTION LIMITS AND REPAIR TECHNOLOGY

N

0 20 40 80

PRELIMINARY DESIGN REVIEW

HORIZONTAL DATUM	NAD83 WISCONSIN STATE PLANE SOUTH ZONE COORDINATE SYSTEM
VERTICAL DATUM	NGVD29 NATIONAL GEODETIC VERTICAL DATUM ON 1929

DSGN	##########
DR	WKB
CHK	##########
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BLUEMOUND ROAD TO ST ANNES COURT

BLUEMOUND ROAD CHANNEL CONSTRUCTION PLAN

DRAWING NO.:	C-03
SHEET:	8 OF 10
DATE:	OCTOBER, 2025
CONTRACT:	##########
MMSD FILE:	PLAN VIEW.DWG

NOTES:
1. SEE SHEET C-01 FOR SITE ACCESS

N

0 15 30 60

PRELIMINARY DESIGN REVIEW

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HORIZONTAL DATUM
NAD83 WISCONSIN STATE PLANE SOUTH ZONE COORDINATE SYSTEM

VERTICAL DATUM
NGVD29 NATIONAL GEODETIC VERTICAL DATUM ON 1929

DSGN	##########
DR	WKB
CHK	##########
APVD	########

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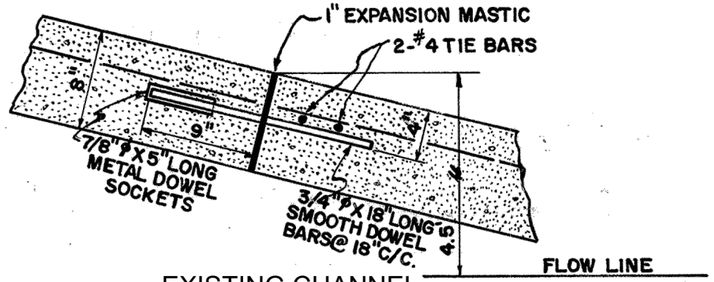
MILWAUKEE METROPOLITAN SEWERAGE DISTRICT

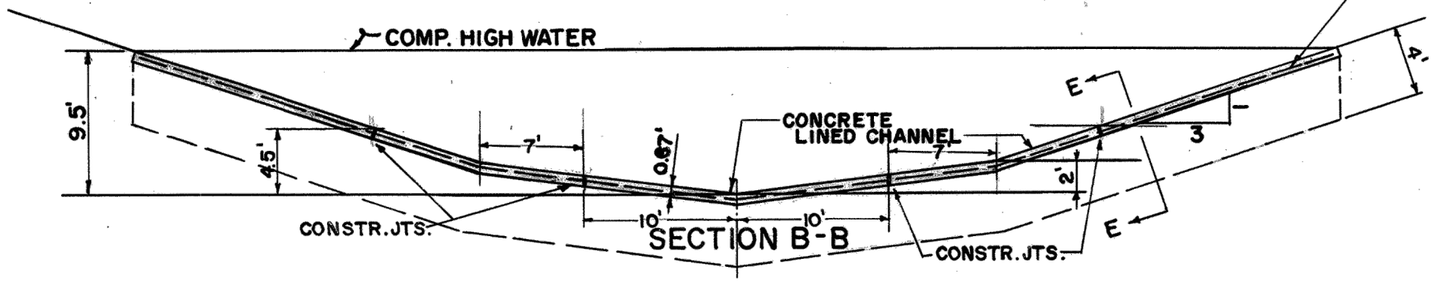
WATERCOURSE
HONEY CREEK EMERGENCY REPAIR PROJECT
BLUEMOUND ROAD TO ST ANNES COURT

ST ANNES CT CHANNEL CONSTRUCTION PLAN

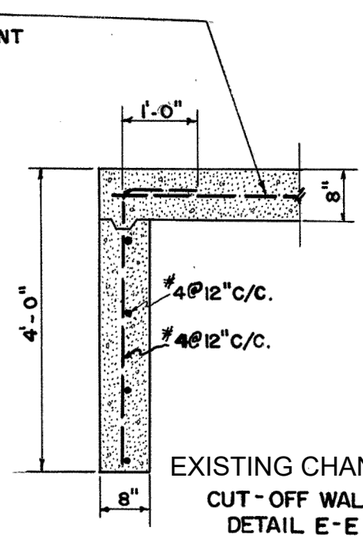
DRAWING NO.:	C-04
SHEET:	9 OF 10
DATE:	OCTOBER, 2025
CONTRACT:	##########
MMSD FILE:	PLAN VIEW.DWG



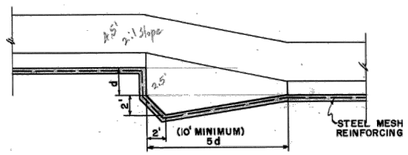
EXISTING CHANNEL
CONSTRUCTION JOINTS DETAIL



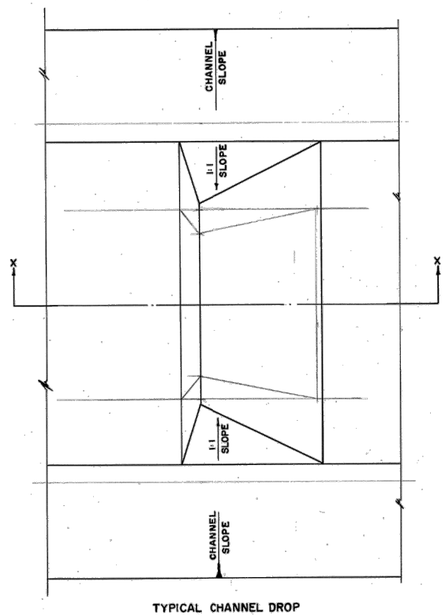
EXISTING CHANNEL CROSS SECTION
SCALE: 1" = 10 FT.



EXISTING CHANNEL
CUT-OFF WALL
DETAIL E-E
SCALE: 1/2" = 1'-0"



SECTION X-X



TYPICAL CHANNEL DROP
SCALE: 1/16" = 1'-0"

PRELIMINARY DESIGN REVIEW

HORIZONTAL DATUM	DSGN
NAD83 WISCONSIN STATE PLANE SOUTH ZONE COORDINATE SYSTEM	##########
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NGVD29 NATIONAL GEODETIC VERTICAL DATUM ON 1929	CHK ##########
	APVD ########

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MILWAUKEE METROPOLITAN SEWERAGE DISTRICT

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BLUEMOUND ROAD TO ST ANNES COURT

EXISTING CHANNEL SECTIONS AND DETAILS

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