F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	51	1
	ILLINOIS	CONTRACT NO. __		

CITY OF BATAVIA

DEPARTMENT OF ENGINEERING

RIVER STREET PEDESTRIAN RAMP AT PEACE BRIDGE

KANE COUNTY, ILLINOIS

INDEX OF SHEETS

CITY OF BATAVIA STANDARD DETAILS

4.02	STORM SEWER MANHOLE - TYPE "A" OR TYPE "B"
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IDOT HIGHWAY STANDARDS

701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE

CITY OF BATAVIA

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

BATAVIA TOWNSHIP

LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 300 FT. = 0.057 MILE
NET LENGTH = 300 FT. = 0.057 MILE

LOCATION OF SECTION INDICATED THUS: -

CONTACT

RAHAT BARI, P.E.
CITY OF BATAVIA
DEPARTMENT OF ENGINEERING
(630) 454-2760

V3
KURT R. CORRIGAN
062-051814

DATE: XX-XX-2025
SIGNATURE AND SEAL APPLY TO
SHEETS: XX-XX

KURT R. CORRIGAN 062-051814 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

EXPIRATION DATE: 11-30-2025

V3
WILLIAM J. VEGRZYN
081-004983

DATE: XX-XX-2025
SIGNATURE AND SEAL APPLY TO
SHEETS: XX-XX

STATE OF ILLINOIS WILLIAM J. VEGRZYN 081-004983 LICENSED STRUCTURAL ENGINEER

EXPIRATION DATE: 11-30-2026

1. STANDARD SPECIFICATIONS

THE FOLLOWING STANDARDS SHALL GOVERN THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS, UNLESS WHERE SUPERSEDED BY THE CITY OF BATAVIA'S STANDARDS AND DETAILS; ALWAYS USING THE LATEST EDITION:

1.1 CITY OF BATAVIA:
ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE ORDINANCES AND REQUIREMENTS OF THE CITY OF BATAVIA'S STANDARDS AND DETAILS, ENGINEERING AND CONSTRUCTION STANDARDS AND SPECIFICATIONS (HERINAFTER BATAVIA'S STANDARD SPECIFICATIONS), INCLUDING THE LATEST EDITION OF THE CITY OF BATAVIA SUBDIVISION CONTROL ORDINANCE INCLUDING ALL PERTINENT ADDENDA.

1.2 STANDARD SPECIFICATIONS FOR EARTHWORK, PAVEMENT AND SIDEWALKS:
ALL EARTHWORK, PAVEMENT, CURBING AND SIDEWALK ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION AS PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (HERINAFTER I.D.O.T.) AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITION AS PREPARED BY I.D.O.T.

1.3 STANDARD SPECIFICATIONS FOR SANITARY SEWERS, STORM SEWERS AND WATER MAINS: ALL SANITARY SEWER, STORM SEWER AND WATER MAIN CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" LATEST ADDITION AND WITH ANY SPECIAL PROVISIONS SPECIFIED HEREIN TO SAID STANDARD SPECIFICATIONS.

1.4 TRAFFIC CONTROL:
THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", LATEST EDITION AS PUBLISHED BY I.D.O.T. AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION. FOR IDOT BUREAU OF TRAFFIC CONTACT MEADE ELECTRIC (773) 287-7672 FOR IDOT ROADS OR KANE COUNTY DIVISION OF TRANSPORTATION (630) 205-3130 FOR KDOT ROADS.

1.5 EROSION CONTROL:
ALL EROSION CONTROL WORK SHALL COMPLY WITH THE LATEST ADOPTION OF THE KANE COUNTY STORMWATER MANAGEMENT ORDINANCE AND TECHNICAL MANUAL AS AMENDED BY THE CITY OF BATAVIA, IEPA NPDES STORMWATER PERMIT, AND PER THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL.

1.6 CONFLICTS:
IN THE EVENT OF A DISCREPANCY BETWEEN ANY PARTS OF THE CONTRACT DOCUMENTS WITH ANY PART OR PARTS THEREOF, PREFERENCE SHALL BE GIVEN IN THE FOLLOWING ORDER:

a) ADDENDA,
b) SPECIAL PROVISIONS,
c) SUPPLEMENTARY GENERAL CONDITIONS OF THE CONTRACT,
d) STANDARD GENERAL CONDITIONS OF THE CONTRACT,
e) CONTRACT DRAWINGS (DETAILED DRAWINGS TAKE PRECEDENCE OVER TYPICAL DRAWINGS), AND
f) STANDARD SPECIFICATIONS. DIV

IN THE EVENT OF A DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE CITY ENGINEER SHALL BE FINAL AND CONCLUSIVE.

1.7 CHANGES, REVISION OR SUBSTITUTIONS:
ANY CHANGES, REVISIONS OR SUBSTITUTIONS TO THE PLANS, SPECIFICATIONS, MATERIALS, REQUIREMENTS OR WORK SHALL BE SUBMITTED TO THE CITY ENGINEER, IN WRITING AND WRITTEN APPROVAL GRANTED BY THE CITY ENGINEER PRIOR TO BEGINNING OF SAID WORK. ALL SUCH MATERIALS AND CONSTRUCTION WHETHER IMPLICITLY OR EXPLICITLY STATED OR COVERED WITHIN THE REQUIREMENTS CODES OR SPECIFICATIONS SHALL BE APPROVED BY THE CITY ENGINEER, PRIOR TO COMMENCING THE INSTALLATION AND CONSTRUCTION. THE CHANGED, REVISED AND SUBSTITUTED ITEMS MUST BE ACCOUNTED FOR IN THE RECORD DRAWINGS.

2. GENERAL

2.1 HEALTH AND SAFETY: THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL SAFETY REGULATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS (STANDARD NUMBER 1926) AND THE APPLICABLE PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA STANDARDS OF THE WILLIAMS STEGER OCCUPATIONAL HEALTH STATE AND SAFETY ACT OF 1970) REVISED.

2.2 BONDING AND LICENSING: THE CONTRACTOR AND HIS INDIVIDUAL SUBCONTRACTORS SHALL OBTAIN ALL APPLICABLE CITY PERMITS, LICENSES AND BONDS PRIOR TO THE COMMENCEMENT OF WORK. BONDS MUST MEET THE CITY'S MINIMUM REQUIREMENTS.

2.3 THE CONTRACTOR SHALL PERFORM ALL WORK INDICATED OR IMPLIED IN THE CONTRACT DOCUMENTS. ALL WORK NOT SPECIFIED, BUT REQUIRED TO COMPLETE THE PROJECT, INCLUDING ACCESSORIES AND APPURTENANCES, SHALL BE PERFORMED BY THE CONTRACTOR IN A SATISFACTORY MANNER.

2.4 TREE TRIMMING OR TREE REMOVAL SHALL BE PERFORMED BY A LICENSED ARBORIST, AND APPROVED BY THE CITY'S ARBORIST OR DESIGNEE.

2.5 ELECTRIC, TELEPHONE, NATURAL GAS AND OTHER UTILITY COMPANIES HAVE UNDERGROUND AND/OR OVERHEAD SERVICE FACILITIES IN THE VICINITY OF THE PROPOSED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR MAINTENANCE AND PRESERVATION OF THE FACILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 811 FOR UTILITY LOCATIONS AT LEAST 48 HOURS IN ADVANCE.

2.6 NEITHER THE ENGINEER NOR THE CITY OF BATAVIA ARE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY CONTRACTOR.

2.7 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT THE ARTICLE 105.06 OF THE I.D.O.T. STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE ABLE TO COMMUNICATE IN ENGLISH. THEY SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 109.08.

2.8 THE CONTRACTOR, ENGINEER AND DEVELOPER SHALL BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

2.9 NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY STAMPED "APPROVED FOR CONSTRUCTION" AND SIGNED AND DATED BY CITY OF BATAVIA ENGINEERING STAFF.

2.10 PRIOR TO THE START OF CONSTRUCTION, THE CITY ENGINEER OR DESIGNEE, PROJECT ENGINEER, THE DEVELOPER OR OWNER, THE GENERAL CONTRACTOR AND ANY SUBCONTRACTORS SHALL ATTEND A PRECONSTRUCTION MEETING. THE PURPOSE OF THE MEETING IS TO REVIEW ACCEPTABLE SITE DEVELOPMENT AND CONSTRUCTION PRACTICES IN ACCORDANCE WITH THE CONSTRUCTION CONTROL PLAN AND CITY ORDINANCES AND POLICIES.

2.11 GRANULAR TRENCH BACKFILL: ALL TRENCH SECTIONS FOR STORM SEWERS, SANITARY SEWERS, WATER MAINS, ELECTRICAL CONDUITS AND ALL OTHER UNDERGROUND SERVICE LINES LOCATED WITHIN EXISTING AND PROPOSED PAVEMENT AREAS OR AS OTHERWISE NOTED ON THE PLAN SHALL BE BACKFILLED TO THE PROPER SUBGRADE AS SHOWN IN THE UTILITY TRENCH SECTION TYPICAL DETAILS.

2.12 FINAL ADJUSTMENTS OF FRAMES, LIDS AND GRATES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND ADJUSTING FRAMES AND GRATES ON MANHOLES, INLETS AND VALVE VAULTS TO THEIR FINISHED ELEVATIONS OR AS DIRECTED BY THE ENGINEER.

2.13 EXISTING STREET CLEANLINESS: THE CONTRACTOR(S) SHALL KEEP EXISTING ADJACENT STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS. CLEAN PAVEMENTS ON A DAILY BASIS OR MORE OFTEN WHEN NECESSARY AS DIRECTED BY THE CITY ENGINEER.

2.14 CONCRETE: ALL CONCRETE USED IN CONSTRUCTING THE IMPROVEMENTS SHALL BE CLASS "SI", SIX (6) BAG MIX, AND SHALL HAVE A COMPRESSIVE STRENGTH OF 3500 PSI AFTER 14 DAYS.

2.15 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE AND PROPERLY DISPOSE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM THEIR CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

2.16 UNDERGROUND UTILITY INSPECTION: PRIOR TO THE PLACEMENT OF BACKFILL, THE INSTALLATION OF ALL UNDERGROUND UTILITY LINES SHALL BE INSPECTED AND APPROVED BY THE CITY OF BATAVIA.

2.17 TRENCH SETTLEMENT: ANY TRENCH SETTLEMENT OCCURRING WITHIN ONE YEAR FROM THE TIME OF ACCEPTANCE, WHETHER IT BE BEFORE OR AFTER STREET PAVING HAS BEEN COMPLETED, SHALL BE REPAIRED BY THE CONTRACTOR OR THE OWNER/DEVELOPER RESPONSIBLE FOR BACKFILLING THE TRENCHES OR AUGER PITS IN QUESTION. THIS REPAIR SHALL INCLUDE BUT NOT BE LIMITED TO THE COST OF PAVEMENT, CURBS, DRIVEWAYS, TREES AND SIDEWALKS REPLACEMENT CAUSED BY THIS SETTLEMENT.

2.18 EXISTING FIELD TILES: THE LOCATION OF ANY EXISTING FIELD TILES ENCOUNTERED DURING EXCAVATION SHOULD IMMEDIATELY BE FLAGGED ONSITE AND MARKED ON THE CONTRACTOR'S RECORD PLAN SET. THE CONTRACTOR SHALL RECONNECT ALL FIELD TILE OR CONNECT FIELD TILE TO THE PROPOSED STORM SEWER SYSTEM IN A MANNER ACCEPTABLE TO THE CITY ENGINEER.

2.19 PRIOR TO ANY REDUCTION IN THE CONSTRUCTION GUARANTEE, THE CITY ENGINEER SHALL CERTIFY THAT THE PROJECT IS "SUBSTANTIALLY COMPLETE."

2.20 FINAL INSPECTION OF THE CONSTRUCTION IMPROVEMENTS SHALL INCLUDE THE CITY ENGINEER, PROJECT ENGINEER, PUBLIC WORKS SUPERINTENDENTS OR CITY'S DESIGNEE, DEVELOPER AND CONTRACTOR(S).

2.21 BEFORE ACCEPTANCE BY THE CITY OF BATAVIA AND FINAL PAYMENTS, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE CITY ENGINEER OR HIS REPRESENTATIVE, INCLUDING PROVIDING AS-BUILTS PER THE CITY'S REQUIREMENTS. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE ALSO PROPERLY SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS.

2.22 THE CONTRACTOR SHALL PROVIDE AND MAINTAIN COMPREHENSIVE LIABILITY INSURANCE WHICH WILL PROTECT THE CITY OF BATAVIA, ITS OFFICERS, EMPLOYEES, AGENTS AND CONSULTANTS FROM CLAIMS WHICH MAY ARISE OUT OF OR RESULT FROM THE PERFORMANCE OF WORK BY ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THE CONTRACTOR OR SUBCONTRACTOR, OR BY ANYONE FOR WHOSE ACTS THE CONTRACTOR MAY BE LIABLE. COMPREHENSIVE GENERAL LIABILITY INSURANCE COVERAGE SHALL BE AS FOLLOWS: $500,000 PER ACCIDENT FOR PROPERTY; $500,000 PER PERSON AND $500,000 AGGREGATE PER ACCIDENT FOR BODILY INJURY, SICKNESS OR DISEASE, OR DEATH OF ANY PERSON, AS PROTECTION FOR ANY AND ALL CLAIMS BY ANYONE, INCLUDING THE SUBDIVIDER'S CONTRACTORS OR EMPLOYEES WHICH MAY ARISE OUT OF OR RESULT FROM SUBDIVIDER'S WORK OR BY ANYONE FOR WHOSE ACTS THE SUBDIVIDER MAY BE LIABLE. THE INSURANCE POLICY SHOULD NAME THE CITY OF BATAVIA, THEIR OFFICERS, EMPLOYEES AND AGENTS AS ADDITIONAL INSUREDS. THIS CERTIFICATE SHALL STATE THAT THE COVERAGE WILL NOT BE TERMINATED OR REDUCED WITHOUT 30 DAY ADVANCED WRITTEN NOTICE TO THE CITY OF BATAVIA.

2.23 UNLAWFUL ACTIVITIES--DRAINAGE FACILITIES--EARTHEN BERMS: IT IS UNLAWFUL FOR ANY PERSON TO CONSTRUCT OR CAUSE TO BE CONSTRUCTED ANY DRAINAGE FACILITY FOR THE PURPOSE OF THE DETENTION OR RETENTION OF WATER WITHIN A DISTANCE OF 10 FEET PLUS ONE AND ONE-HALF TIMES THE DEPTH OF ANY DRAINAGE FACILITY ADJACENT TO THE RIGHT OF WAY OF ANY PUBLIC HIGHWAY WITHOUT THE WRITTEN PERMISSION OF THE HIGHWAY AUTHORITY HAVING JURISDICTION OVER THE PUBLIC HIGHWAY. IT IS UNLAWFUL FOR ANY PERSON TO CONSTRUCT OR CAUSE TO BE CONSTRUCTED ANY EARTHEN BERM SUCH THAT THE TOE OF SUCH BERM WILL BE NEARER THAN 10 FEET TO THE RIGHT-OF-WAY OF ANY PUBLIC HIGHWAY WITHOUT THE WRITTEN PERMISSION OF THE HIGHWAY AUTHORITY HAVING JURISDICTION OVER THE PUBLIC HIGHWAY.

3. 3. EARTH WORK

WORK UNDER THIS SECTION SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

3.1 CLEARING AND REMOVAL OF ALL UNDESIRABLE TREES AND OTHER VEGETATIVE GROWTH WITHIN THE CONSTRUCTION AREA SHALL BE RESTRICTED TO THE DESIGNATION ON THE APPROVED LANDSCAPE PLAN APPROVED BY THE CITY OF BATAVIA. THE CITY OF BATAVIA WILL NOT PERMIT THE ONSITE BURIAL OF TREES, BRUSH, MISC. CONCRETE AND ETC. IF ADDITIONAL TREES ARE REQUESTED TO BE REMOVED DURING CLEARING, APPROVAL NEEDS TO BE OBTAINED FROM THE CITY OF BATAVIA PRIOR TO REMOVAL.

3.2 PRIOR TO ONSET OF MASS GRADING OPERATIONS AN APPROVED GRADING PLAN AND SIGN OFF FROM KANE DUPAGE SOIL & WATER CONSERVATION DISTRICT OR THE CITY SHALL BE OBTAINED. IN ADDITION, THE EARTHWORK CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH THE SOIL EROSION CONTROL SPECIFICATIONS. THE INITIAL IMPLEMENTATION OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SILT FENCING, ETC., TO PROTECT ADJACENT PROPERTIES, SHALL OCCUR BEFORE MASS GRADING BEGINS, IN ACCORDANCE WITH THE APPROVED SOIL EROSION CONTROL CONSTRUCTION SCHEDULE.

3.3 ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, THE REMOVAL AND REPLACEMENT OF UNSUITABLE SOIL AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE DEVELOPMENT'S GEOTECHNICAL ENGINEER. THEIR REPRESENTATIVE WILL CLOSELY SUPERVISE AND INSPECT THE GRADING OPERATIONS, PARTICULARLY DURING REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS. THE CITY SHALL HAVE A COPY OF THE GEOTECHNICAL REPORT PRIOR TO EARTHWORK AND RECEIVE COPIES OF THE TESTS AND INSPECTION LOGS.

3.4 THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORMWATER UNLESS DENOTED AS A SETTLING BASIN ON APPROVED PLANS. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE AND/OR AN OVERFLOW ROUTE AND CONFORM WITH EXISTING DRAINAGE PATTERNS.

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____
	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE
BATAVIA ILLINOIS

GENERAL NOTES
SCALE: NONE | SHEET 1 OF 4 SHEETS | STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	2

MODEL: Default
FILE NAME: N:\2024\241108\Drawings\Mstr\CADD_Sheets\D1241108-sht-gennotes01.dgn

3.5 THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADES. A MINIMUM OF SIX INCHES (6") INCHES OF TOPSOIL IS TO BE RESPREAD ONSITE BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED, EXCEPT IN BUILDING PADS AND PAVEMENT AREAS, WHICH SHALL BE KEPT FREE OF TOPSOIL.

3.6 THE SELECTED STRUCTURAL FILL MATERIAL SHALL BE PLACED IN LEVEL UNIFORM LAYERS SO THAT THE COMPACTED THICKNESS IS APPROXIMATELY SIX INCHES (6"); IF COMPACTION EQUIPMENT DEMONSTRATED THE ABILITY TO COMPACT GREATER THICKNESSES, THEN A GREATER THICKNESS MAY BE SPECIFIED. EACH LAYER SHALL BE THOROUGHLY SCARIFIED DURING SPREADING TO INSURE UNIFORMITY.

3.7 EMBANKMENT MATERIAL WITHIN ROADWAY, PARKING LOT AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATIONS D-1557 (MODIFIED PROCTOR METHOD), OR TO OTHER SUCH DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE GEOTECHNICAL ENGINEER. EMBANKMENT MATERIAL FOR BUILDING PADS SHALL BE COMPACTED TO MINIMUM OF NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-1557 (MODIFIED PROCTOR METHOD) OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE GEOTECHNICAL ENGINEER.

3.8 EMBANKMENT MATERIAL (RANDOM FILL) WITHIN NON-STRUCTURAL FILL AREAS SHALL BE COMPACTED TO MINIMUM OF NINETY PERCENT (90%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-1557 (MODIFIED PROCTOR METHOD).

3.9 THE SURFACE VEGETATION, TOPSOIL AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHOULD BE STRIPPED FROM ALL AREAS TO RECEIVE CLAY FILL. IF THE UNDERLYING SUBGRADE SOILS RUT DEEPER THEN AN INCH UNDER THE CONSTRUCTION EQUIPMENT OR IF THE MOISTURE CONTENT EXCEEDS THAT NEEDED FOR PROPER COMPACTION, THE SOIL SHALL BE SCARIFIED, DRIED AND RECOMPACTED TO THE REQUIRED SOIL SPECIFICATIONS.

3.10 ALL PAVEMENT SUBGRADE SHALL HAVE A MINIMUM IBR=3 AS DETERMINED BY THE GEOTECHNICAL ENGINEER WITH RESULTS SUBMITTED TO THE CITY ENGINEER. IF AREAS OF PAVEMENT SUBGRADE ARE ENCOUNTERED WHICH DO NOT PROVIDE A MINIMUM IBR=3, SUBGRADE REPLACEMENT OR PAVEMENT DESIGN REVISIONS SHALL BE PROVIDED WHICH ARE ADEQUATE TO OBTAIN EQUIVALENT PAVEMENT STRENGTH, AS DETERMINED BY THE ENGINEER AND GEOTECHNICAL ENGINEER.

3.11 PRIOR TO UTILITY CONSTRUCTION PROPOSED PAVEMENT AREAS, BUILDING PADS, SIDEWALKS AND YARD/OPEN SPACE AREAS SHALL BE ROUGH EXCAVATED OR FILLED TO PLUS OR MINUS ONE FOOT (1') OF DESIGN SUBGRADE ELEVATION BY THE CONTRACTOR.

3.12 THE STREET SUBGRADE SHALL BE SHAPED AND COMPACTED AS SPECIFIED IN SECTION 301 OF THE I.D.O.T. SPECIFICATIONS. JUST PRIOR TO THE CONSTRUCTION OF THE BASE COURSE, THE SUBGRADE SHALL BE PROOF-ROLLED, WITNESSED AND RECORDED FOR THE FILE AND/OR SIGNED OFF BY THE CITY ENGINEER OR REPRESENTATIVE. IF IN THE OPINION OF THE CITY ENGINEER OR THEIR DESIGNEE THAT ANY SUBGRADE AREAS ARE FOUND TO BE UNSTABLE, THEN SAID AREAS SHALL BE REMOVED AND REPLACED WITH AN ACCEPTABLE GRANULAR MATERIAL. IF PRECIPITATION OCCURS AFTER THE SUBGRADE PROOF-ROLLING AND BEFORE THE CONSTRUCTION OF THE BASE COURSE, THEN SAID SUBGRADE PROOF-ROLLING SHALL BE REPEATED TO VERIFY THAT THE SUBGRADE IS STABLE. IF AREAS OF THE SUBGRADE ARE FOUND TO BE UNSTABLE FOLLOWING REPLACEMENT WITH ACCEPTABLE GRANULAR MATERIALS THE GEOTECHNICAL ENGINEER AND THE CITY ENGINEER SHALL COLLECTIVELY DETERMINE THE CORRECTIVE ACTION.

3.13 GEOTEXTILE PAVING FABRIC ARE REQUIRED ON ALL STREET SUBGRADE APPLICATIONS AND SHALL CONSIST OF A NONWOVEN GEOTEXTILE FABRIC, 4 OZ/SY MINIMUM, CONFORMING TO ASTM D3776.

3.14 THE SUBGRADE SHALL MEET MINIMUM STANDARD OF NINETY-FIVE PERCENT (95%) OF THE STANDARD PROCTOR TEST AND SHALL BE TESTED AT 200 FOOT INTERVALS, MINIMUM.

3.15 AGGREGATE BASE COURSE: AFTER APPROVAL BY THE CITY ENGINEER, THE AGGREGATE BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 351 OF THE I.D.O.T. STANDARD SPECIFICATIONS FOR TYPE A OR TYPE B CONSTRUCTION. THE MATERIAL SHALL BE CRUSHED LIMESTONE CONFORMING TO CA-6 GRADATION. THE MINIMUM COMPACTED THICKNESS SHALL BE AS SHOWN ON THE TYPICAL CROSS-SECTION DETAIL. THE AGGREGATE BASE SHALL BE PROOF-ROLLED ONE DAY PRIOR TO PLANNED APPLICATION OF BINDER COURSE. IF, IN THE OPINION OF THE CITY ENGINEER THE AGGREGATE BASE IS UNSTABLE, IT SHALL BE REMOVED AND REPLACED WITH NEW SUBBASE AND AGGREGATE BASE MATERIAL AND COMPACTED TO NOT LESS THAN NINETY-FIVE PERCENT (95%) OF THE STANDARD LABORATORY DENSITY.

3.16 STORMWATER DETENTION AREAS: PROPOSED STORMWATER DETENTION AREAS SHALL BE EXCAVATED TO THE LINES, ELEVATIONS AND SLOPES SHOWN ON THE APPROVED ENGINEERING PLANS. AFTER THE AREA HAS BEEN EXCAVATED AND SHAPED TO ROUGH FINISHED GRADES, THE TOPSOIL MATERIAL SHALL BE SPREAD ON ALL AREAS AND GRADED TO FINISHED ELEVATIONS. THE FINISHED SURFACE SHALL THEN BE PLANTED ACCORDING TO THE APPROVED LANDSCAPE PLAN MEETING THE REQUIREMENTS FOUND IN SECTION 10.7 AFTER ACCEPTANCE OF THE FINISHED SURFACE AND DETENTION STORAGE REQUIREMENTS. ANY DAMAGE TO THE FINISHED SURFACE AFTER ACCEPTANCE SHALL BE REPAIRED BY CONTRACTOR PRIOR TO THE FINAL SEEDING. EROSION AND PONDING AREAS WITHIN DETENTION SHALL BE COMPLETELY RESTORED PRIOR TO FINAL ACCEPTANCE BY THE CITY.

3.17 AFTER COMPLETION OF ALL UTILITIES IN THE RIGHT OF WAY THE PARKWAYS SHALL BE TOPSOILED, SEEDED AND BLANKETED.
THE PRIMARY METHOD FOR SEEDING IS DRILL OR BROADCAST. HYDROSEEDING CAN BE USED FOR AREAS WITH EROSION ISSUES OR OTHER HARD TO ACCESS AREAS AS ALLOWED BY THE CITY ENGINEER OR THEIR DESIGNEE.
AREAS TO BE SEEDED SHALL BE FIRM BUT NOT COMPACTED AND SHALL BE FINE GRADED TO A SMOOTH AND NATURAL CONTOUR PRIOR TO SEEDING. ALL ROCKS, STICKS, ROOTS, CLODS, AND DEBRIS GREATER THAN ONE INCH IN DIAMETER SHALL BE REMOVED AND DISPOSED ON-SITE IN LOCATIONS APPROVED BY THE CITY ENGINEER OR THEIR DESIGNEE.

3.18 ROCK EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 202 OF THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ALL APPLICABLE LOCAL REGULATIONS. THE CONTRACTOR SHALL ANTICIPATE ENCOUNTERING ROCK DURING EXCAVATION WITHIN THE PROJECT LIMITS AND NOTIFY THE ENGINEER BEFORE PROCEEDING WITH REMOVAL. METHOD OF ROCK EXCAVATION IS SUBJECT TO APPROVAL BY THE CITY OF BATAVIA. ROCK EXCAVATION SHALL BE PAID FOR SEPARATELY. SEE APPROXIMATE ROCK DEPTH IN PLANS.

4. 4. STORM SEWER CONSTRUCTION

4.1 STORM SEWER SHALL TYPICALLY BE REINFORCED CONCRETE SEWER PIPE, CLASS III OR IV AS NOTED, CONFORMING TO ASTM C-76 SPECIFICATIONS WITH RUBBER GASKET JOINTS. WHERE HORIZONTAL SEPARATION FROM WATER MAIN CONTROLS, PVC STORM SEWER OF WATER MAIN QUALITY SHALL BE USED, WITH JOINTS CONFORMING TO ASTM D-2855. NO ALTERNATE PIPE MATERIAL, SUCH AS PVC OR ADS PLASTIC, ETC., SHALL BE CONSIDERED ACCEPTABLE FOR THE MAIN STORM SEWER LINES WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND THE CITY ENGINEER. UPON REQUEST, THE CONTRACTOR SHALL PROVIDE EACH WITH SUPPLIER'S PRODUCT TEST REPORTS, CATALOG INFORMATION, ALTERNATE BIDS, OR ANY OTHER INFORMATION THEY MAY FIND NECESSARY IN CONSIDERING THE PROPOSED ALTERNATE MATERIAL. THE ACCEPTANCE OF THE PROPOSED ALTERNATE MATERIAL WILL IN NO WAY BE WARRANTED BY THESE SUBMITTALS.

4.2 FRAMES, LIDS AND GRATES DESIGNATED ON THE PLANS FOR STORM SEWER INLETS, MANHOLES AND JUNCTION BOXES SHALL CONFORM TO THE FOLLOWING OR AN APPROVED EQUAL:

CURB INLET	E.J. 7221 TYPE 1 CURB BACK, TYPE M1 GRATE
DEPRESSED CURB INLET	E.J. 7000 WITH M3 GRATE
MANHOLE	E.J. 1020 TYPE M1 OR TYPE A GRATE
YARD INLET	E.J. 6527
JUNCTION BOX	E.J. 1020 TYPE M1 OR TYPE A GRATE

THE WORDS "CITY OF BATAVIA", "STORM" SHALL BE CAST INTO THE LID. ALL STRUCTURES TRIBUTARY TO THE FOX RIVER THE GRATE SHALL BE CAST WITH A FISH AND STATE “DRAINS TO THE RIVER”.

4.3 MANHOLES TYPE "B": MANHOLES DESIGNATED ON THE PLANS AS TYPE "B" ARE SHALLOW DEPTH MANHOLES WITH A REINFORCED CONCRETE FLAT SLAB TOP. THE THICKNESS OF THE FLAT SLAB TOP TO BE 6 INCHES, MINIMUM. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL MEET THE REQUIREMENTS OF ASTM C-478.

4.4 EXISTING DRAINAGE SYSTEM CLEANING AND REPAIR: WHERE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, EXISTING DRAINAGE STRUCTURES OR SYSTEMS SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO INSURE INTEGRITY.

4.5 ALL COMPLETED MAIN LINE STORM SEWERS (NOT LATERALS) SHALL BE INSPECTED USING COLOR CLOSED CIRCUIT TELEVISION CAMERA (CCTV) AND DOCUMENT THE INSPECTION ON A DIGITAL RECORDER. THE CONTRACTOR OR DEVELOPER SHALL PAY TO HAVE THE LINES TELEVISED. TELEVISING SHALL BE DONE WITH APPROXIMATELY ONE HALF INCH (1/2") CONTINUAL FLOW IN THE SEWER. ALL INSPECTION VIDEO SHALL BE CAPTURED IN EITHER MPEG OR WINDOWS MEDIA VIDEO (.WMV) FILE FORMAT AND SAVED TO PORTABLE HARD DRIVES FOR SUBMITTAL AND REPAIRS COMPLETED, IF NECESSARY, PRIOR TO ACCEPTANCE OF THE SEWERS BY THE CITY. THE FINAL INSPECTION VIDEOS PROVIDED SHALL BECOME THE PROPERTY OF THE CITY. ALL WORK WILL CONFORM TO CURRENT NASSCO PIPELINE ASSESSMENT CERTIFICATION PROGRAM (PACP) CODING CONVENTIONS AND ALL SOFTWARE USED BY THE CONTRACTOR WILL BE PACP COMPLIANT.

4.6 FINAL CLEARING: PRIOR TO FINAL INSPECTION AND ACCEPTANCE BY THE CITY, ALL STORM SEWER MAINS AND STRUCTURES SHALL BE CLEANED BY JETTING OR OTHER ACCEPTABLE METHODS TO REMOVE ALL CONSTRUCTION DEBRIS OR SEDIMENT. CONSTRUCTION DEBRIS AND SEDIMENT SHALL BE COLLECTED AND NOT ALLOWED TO BE TRANSPORTED TO DOWNSTREAM SEWERS OR STORMWATER FACILITIES.

4.7 POURED INVERTS: ALL INLETS, CATCH BASINS, STORM MANHOLES AND OTHER DRAINAGE STRUCTURES SHALL BE PROVIDED WITH PRECAST CONCRETE INVERTS OR SHALL HAVE POURED IN PLACE CONCRETE INVERTS CONFORMING TO THE SHAPE OF THE PIPE OR AS OTHERWISE SHOWN ON THE PLANS. POURED IN PLACE CONCRETE SHALL BE CLASS "SI" SHAPED AND TOWELED FOR A SMOOTH FINISH.

4.8 SUMP PUMP LINES: SUMP PUMP LINES SHALL BE PVC SEWER PIPE CONFORMING TO ASTM D-3034. SPECIFICATIONS TYPE, 4" SDR 26. THE MINIMUM COVER DEPTH SHALL BE 2.5' MINIMUM. ALL STUBS SHALL BE EXTENDED INTO LOT 10' MINIMUM, CAPPED, AND LOCATIONS MARKED WITH 2' X 4' POST PAINTED YELLOW. IF SUMP PUMP LINES ARE INSTALLED TO THE HOUSE PROPER CITY INSPECTIONS ARE REQUIRED.

4.9 SUMP PUMP DRAINAGE BOXES: A PRECAST CONCRETE JUNCTION BOX OF THE SIZE AND TYPE SHOWN IN "INLET TYPE A" ON THE PLANS SHALL BE INSTALLED WHERE MULTIPLE SUMP DRAINS FLOW INTO THE RCP STORM SEWER LINE AT A COMMON CONNECTION.

5. 5. SANITARY SEWER CONSTRUCTION

5.1 SEWER PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS EXCEPT AS APPROVED BY THE CITY ENGINEER:

1. BETWEEN DEPTHS OF SIX FEET (6') AND FOURTEEN FEET (14'), PVC PIPE ASTM D-3034 SDR 26 SHALL BE REQURIED. (ORD. 97-32, 6-2-1997)
2. FOR DEPTHS SHALLOWER THAN SIX FEET (6') OR DEEPER THAN FOURTEEN FEET (14') DUCTILE IRON PIPE, ASTM C151, CLASS 52 WITH PUSH ON JOINTS OR RESTRAINED JOINTS WHERE APPLICABLE. PIPE SHALL BE AS MANUFACTURED BY GRIFFIN PIPE CO., H2SEWER SAFE DUCTILE IRON OR APPROVED EQUAL. ALL DUCTILE IRON SHALL INCLUDE POLY-WRAP. ALL PIPE INSTALLED AT DEPTHS GREATER THAN FOURTEEN FEET (14') SHALL BE EVALUATED FOR THICKNESS BY CONSIDERING THE TRENCH LOAD AND INTERNAL PRESSURE SEPARATELY IN ACCORDANCE WITH ANSI/AWWA C150/A21.5. PRESSURE RATED PIPE, ASTM D-2241, SDR 21 MAY BE SUBSTITUTED FOR BURY DEPTHS FROM FOURTEEN FEET (14'), TO TWENTY FEET (20'). PRESSURE RATED PIPE, ASTM D-2241, (DR) 18, AWWA C-900, MAY BE REQUIRED OR SUBSTITUTED AT DEPTHS GREATER THAN TWENTY FEET (20'). ANY USE OF PLASTIC PIPE AT THESE DEPTHS SHALL BE WITH THE PERMISSION OF (OR REQUIRED BY) THE CITY ENGINEER. (ORD. 85-21,9-3-1985)
3. FOR PIPE TWENTY FOUR INCHES (24") AND LARGER. PIPE SHALL BE AS MANUFACTURED BY GRIFFIN PIPE CO., H2SEWER SAFE DUCTILE OR APPROVED EQUAL. ALL DUCTILE IRON SHALL INCLUDE POLY-WRAP. ALL PIPE GREATER THAN TWENTY FOUR INCHES (24") DIA. OR INSTALLED AT DEPTHS GREATER THAN FOURTEEN FEET (14') SHALL BE EVALUATED FOR THICKNESS BY CONSIDERING THE TRENCH LOAD AND INTERNAL PRESSURE SEPARATELY IN ACCORDANCE WITH ANSI/AWWA C150/A21.5. PRESSURE RATED PIPE ASTM D- 2241 OR AWWA C905, MAYBE REQUIRED (OR SUBSTITUTED) ON LARGE DIA. PIPE BY THE CITY ENGINEER.

5.2 MANHOLE FRAMES AND LIDS: THE FRAMES AND LIDS SHALL BE OF THE NON-ROCKING AND SELF-SEALING TYPE WITH RUBBER WATERTIGHT GASKET AND SHALL CONFORM TO EAST JORDAN NO 1020 OR AN APPROVED EQUAL. THE LIDS TO BE SOLID WITH CONCEALED PICK HOLE AND WITH THE WORDS "CITY OF BATAVIA" AND "SANITARY SEWER" IN THE CAST IN LID. "INFA-SHIELD", "CANUSA" OR APPROVED EQUAL, CHIMNEY SEALS SHALL BE INSTALLED ON ALL SANITARY SEWER MANHOLES.

5.3 SEWER PIPE BEDDING AND COVER: ALL SANITARY SEWER PIPE INCLUDING SERVICE LINES SHALL BE BEDDED AND CRADLED TO THE CENTERLINE OF THE PIPE IN SAND OR FINE GRAVEL. FROM THE CENTERLINE OF THE PIPE TO 12 INCHES OVER THE TOP OF THE PIPE, GRANULAR TRENCH BACKFILL MATERIAL SHALL BE HAND PLACED AND COMPACTED. ALL TO THE DETAILS SHOWN ON THE PLANS, PVC PIPE SHALL BE BEDDED AND CRADLED IN ACCORDANCE WITH ASTM D-2321 (CLASS 1) SPECIFICATIONS. ALL TRENCHES WITHIN STREETS AND FOR SANITARY SEWERS CONSTRUCTED UNDER PROPOSED PAVED AREAS SHALL BE BACKFILLED WITH CA-7 CRUSHED STONE. FLOWABLE FILL IN ACCORDANCE WITH I.D.O.T. SPECIAL PROVISION FOR CONTROLLED LOW-STRENGTH MATERIALS (CLSM) MAY BE REQUIRED UNDER CERTAIN CIRCUMSTANCES AS DIRECTED BY THE DEPT. OF PUBLIC WORKS OR THE CITY ENGINEER. CA-6 CRUSHED STONE TRENCH BACKFILL (95%) COMPACTION @ ONE FOOT INTERVALS ACCORDING TO CITY POLICY) OR OTHER SUITABLE TRENCH BACKFILL MAY BE SUBSTITUTED FOR CA-7 UNDER THE FOLLOWING CONDITIONS: 1) APPROVED BY STREET DEPARTMENT SUPERINTENDENT AND CITY ENGINEER, 2) ON-SITE INSPECTION OF TRENCH BACKFILL DURING CONSTRUCTION.

5.4 SANITARY SEWER SERVICES: SANITARY SEWER STUBS INSTALLED FOR HOUSE SERVICE CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS OR THE STANDARD SPECIFICATIONS. SEWER STUBS SHALL BE EXTENDED TO THE R.O.W. THE EXACT LOCATION SHALL BE DETERMINED IN THE FIELD, AND THE CONSTRUCTED LOCATION ACCURATELY RECORDED AND THE END MARKED WITH A 2'X4' POST PAINTED GREEN. SERVICE LINES SHALL HAVE A MINIMUM SLOPE OF 2.0%.

5.5 LEAKAGE TESTING: ALL SANITARY SEWERS SHALL BE TESTED FOR WATERTIGHTNESS BY THE AIR TESTING METHOD SPECIFIED IN THE STANDARD SPECIFICATIONS.

5.6 DEFLECTION TESTING: ALL SANITARY SEWER MAIN CONSTRUCTED OF PVC PIPE SHALL BE TESTED FOR DEFLECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

5.7 T.V. INSPECTION: PRIOR TO ACCEPTANCE OF THE SANITARY SEWERS BY THE CITY, ALL SANITARY SEWER MAINS SHALL BE INTERNALLY INSPECTED BY TELEVISION CAMERA. THE CITY ENGINEER IS TO BE NOTIFIED PRIOR TO THE INSPECTION. VHS VIDEO TAPES OF THE T.V. INSPECTION SHALL BE RECORDED AND GIVEN TO THE CITY AND THE ENGINEER FOR THEIR RECORDS. CORRECTION OF ANY IRREGULARITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____
	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

GENERAL NOTES

SCALE: NONE | SHEET 2 OF 4 SHEETS | STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	3

MODEL: Default
FILE NAME: N:\2024\2411108\Drawings\Mstn\CADD_Sheets\D1241108-eht-gennotes01.dgn

5.8 VACUUM TESTING: VACUUM TESTING SHALL BE CARRIED OUT IMMEDIATELY AFTER ASSEMBLY AND PRIOR TO BACKFILLING. ALL LIFT HOLES SHOULD BE PLUGGED WITH AN APPROVED NON-SHRINK GROUT, OR RUBBER PLUG. NO GROUT WILL BE PLACED IN THE HORIZONTAL JOINTS BEFORE TESTING. ALL PIPES ENTERING THE MANHOLE SHALL BE PLUGGED, TAKING CARE TO SECURELY BRACE THE PLUGS FROM BEING DRAWN INTO THE MANHOLE. A VACUUM OF TEN (10) INCHES OF MERCURY SHALL BE PLACED ON THE MANHOLE AND THE TIME MEASURED FOR THE VACUUM TO DROP TO NINE (9) INCHES OF MERCURY. THE VACUUM SHALL NOT DROP BELOW NINE (9) INCHES OF MERCURY FOR THE FOLLOWING TIME PERIODS FOR EACH SIZE MANHOLE:

FORTY-EIGHT (48) INCHES DIAMETER — SIXTY (60) SECONDS
SEVENTY-TWO (72) INCHES DIAMETER — NINETY (90) SECONDS

THE VACUUM TESTER SHALL BE MANUFACTURED BY P.A. GLAZIER, INC., WORCESTER, MA. 01613, PHONE (800) 822-6488, OR OTHER TESTING EQUIPMENT MEETING THE SAME STANDARDS, IF APPROVED BY THE CITY DEPARTMENT OF PUBLIC WORKS ALL TESTING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF P.A. GLAZIER, INC. IF TESTING FAILS THE CONTRACTOR SHALL SEAL ALL LEAKS WITH MATERIAL AND METHODS RECOMMENDED BY P.A. GLAZIER, INC. AND RE-TESTED UNTIL ACCEPTABLE. IT IS RECOMMENDED THAT THIS TESTING BE DONE BEFORE BACKFILLING SO THAT ANY LEAKS CAN BE FOUND AND FIXED EXTERNALLY. THE MANHOLE FRAME AND ADJUSTING RINGS SHALL BE IN PLACE WHEN TESTING.

5.9 MANHOLES: ALL SANITARY SEWER MANHOLES SHALL BE OF PRECAST CONCRETE CONSTRUCTION, AND SHALL HAVE RUBBER GASKETED COUPLINGS FOR ALL INLET AND OUTLET PIPES. INVERTS SHALL BE PRECAST CONCRETE CONFORMING TO THE SIZE AND SHAPE OF THE SHAPE OF THE PIPE OR POURED IN PLACE CLASS "SI" CONCRETE SHAPED AND TROWELED FOR A SMOOTH FINISH CONFORMING TO THE SIZE AND SHAPE OF THE PIPE. MINIMUM SLOPE ON BENCHES SHALL BE ONE INCH PER FOOT. SEWER DROPS ARE TO BE INSTALLED WHERE INLETS TO MANHOLE ARE GREATER THEN TWO (2) FEET ABOVE THE OUTLET INVERT.

5.10 A NON-SHEAR "MISSION" BRAND COUPLING SHALL BE USED WHEN JOINING PIPES MADE OF DISSIMILAR MATERIAL OR WHERE NO "HUB" END EXISTS. PVC TRANSITION FITTINGS SHALL BE USED WHEN JOINING PVC PIPES OF DISSIMILAR MATERIAL SPECIFICATIONS SUCH AS WITH STORM SEWER OR WATER MAIN.

6. SIDEWALK, CURB, AND APRON CONSTRUCTION

6.1 COMBINATION CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE LATEST I.D.O.T. STANDARD SPECIFICATIONS (HERETOFORE REFERRED TO AS THE STANDARD SPECIFICATIONS). THE CONCRETE CURB AND GUTTER SHALL BE TYPE B6.12 UNLESS DETAILED OTHERWISE IN THE CONSTRUCTION PLANS. THE CONTRACTOR IS CAUTIONED TO REFER TO THE CONSTRUCTION STANDARDS AND THE PAVEMENT CROSS-SECTION TO DETERMINE THE GUTTER FLAG THICKNESS AND THE AGGREGATE BASE COURSE THICKNESS BENEATH THE CURB AND GUTTER. THE CONCRETE SHALL BE CLASS SI MIX DESIGN. IT SHALL HAVE AN AIR CONTENT OF NOT LESS THAN 5% NOR MORE THAN 7% OF THE VOLUME OF THE CONCRETE. IT SHALL DEVELOP A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH AT 14 DAYS. TEST CYLINDERS SHALL BE TAKEN BY THE CONTRACTOR AND THE CERTIFIED COMPRESSION TEST RESULTS SUBMITTED TO THE CITY ENGINEER.

6.2 FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 5) SHALL BE PLACED IN THE CURB AND GUTTER, CENTER OVER THE TRENCH. AT EACH EXPANSION JOINT PROVIDE TWO 18" LONG NO. 6 SMOOTH BARS WITH EXPANSION CAPS AND 3/4" PREMOLDED, NON-EXTRUDING JOINT FILLER MEETING THE REQUIREMENTS OF SECTION 1051 OF THE STANDARD SPECIFICATIONS. REFER TO CITY STANDARD DETAIL NO. 7.03 AND 7.04 FOR THE REQUIRED SPACING AND INSTALLATION DETAILS OF EXPANSION JOINTS.

6.3 CONTRACTION JOINTS SHALL BE SAWED AT A MAXIMUM OF TEN FEET (OR 15') SPACING. THE CONTRACTION JOINTS SHALL BE CUT IN THE UPPER 1/3 OF CURBS AND GUTTERS WITHIN 24 HOURS OF PLACEMENT.

6.4 ALL CURB AND GUTTER SHALL BE BROOM FINISHED. FINISHED SURFACES OF ALL NEWLY CONSTRUCTED CURB AND GUTTER SHALL BE COATED WITH CURING COMPOUND ACCORDING TO THE REQUIREMENTS OF SECTION 1022 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE CITY ENGINEER. CURING COMPOUND SHALL BE APPLIED ACCORDING TO THE MANUFACTURER INSTRUCTIONS.

6.5 CURING AND PROTECTION OF ALL EXPOSED CONCRETE SURFACES SHALL BE IN ACCORDANCE WITH ARTICLE 1020.13 OF THE STANDARD SPECIFICATIONS. NO HONEYCOMBING OF THE CURB AND GUTTER WILL BE ACCEPTED.

6.6 BACKFILLING OF CURBS SHALL BE COMPLETED PRIOR TO PLACEMENT OF ROADWAY BASE-COURSE.

6.7 SIDEWALKS SHALL BE FIVE INCHES (5") THICK MINIMUM EXCEPT THRU DRIVEWAYS, WHERE SIX INCHES (6") IS REQUIRED FOR RESIDENTIAL AND 8 INCHES (8") FOR COMMERCIAL DRIVEWAYS. THE WIDTH OF THE SIDEWALK SHALL BE A MINIMUM OF FIVE FEET (5'). THE CONCRETE SHALL BE CLASS SI MIX DESIGN. REFER TO CITY STANDARD DETAIL NO. 7.08 AND 7.09 FOR THE REQUIRED SPACING OF EXPANSION AND CONTRACTION JOINTS.PREFORMED FOAM EXPANSION JOINT FILLER SHALL MEET THE REQUIREMENTS OF SECTION 1051 OF THE STANDARD SPECIFICATIONS. ALL SIDEWALKS SHALL BE BROOM FINISHED.

6.8 ADA SIDEWALK RAMPS SHALL BE INSTALLED AT ALL SIDEWALK/STREET INTERSECTIONS AS SHOWN ON CITY OF BATAVIA SIDEWALK CURB RAMP DETAIL (STANDARD NO. 7.10) OR IN COMPLIANCE WITH THE MOST CURRENT ADA STANDARDS.

6.9 SIDEWALK SHALL NOT BE PLACED UNTIL BUILDING CONSTRUCTION HAS BEEN COMPLETED TO THE POINT THAT CONSTRUCTION TRAFFIC NEED NO LONGER CROSS THE SIDEWALK AREA, OR AS OTHERWISE DIRECTED BY THE ENGINEER.

6.10 CONCRETE DRIVEWAY APRONS SHALL BE POURED IN A SEPARATE POUR FROM ADJACENT SIDEWALK AND CURB. MONOLITHIC POURS ARE NOT ALLOWED WITHOUT PRIOR APPROVAL OF THE CITY OF BATAVIA. NO CONCRETE SHALL BE PLACED UNTIL ALL THE FORMS HAVE BEEN INSPECTED FOR LINE, GRADE, AND SUBGRADE CONDITIONS BY THE CITY OF BATAVIA ENGINEERING INSPECTOR. REFER TO CITY STANDARD DETAIL NO. 7.16 AND 7.17 FOR DETAILED INFORMATION ON COMMERCIAL AND RESIDENTIAL DRIVEWAY APRONS.

7. PAVEMENT CONSTRUCTION

7.1 PROOF ROLL WILL BE REQUIRED WITH THE CITY ENGINEER OR THEIR DESIGNEE PRESENT AFTER PREPARATION OF THE SUBGRADE. PROOF ROLL MUST USE A FULLY LOADED SEMI UNLESS OTHERWISE APPROVED AND WEIGH TICKETS MUST BE PROVIDED.

7.2 THE PROPOSED PAVEMENT SHALL CONSIST OF THE SUB-BASE COURSE, HOT MIX ASPHALT (HMA) BINDER COURSE, AND HMA SURFACE COURSE, OF THE THICKNESS AND MATERIALS AS SPECIFIED ON THE CONSTRUCTION PLANS, PRIME COAT SHALL BE APPLIED TO THE SUB-BASE COURSE AT A RATE OF 0.25 POUNDS PER SQUARE FOOT. ALL PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.

7.3 AFTER THE INSTALLATION OF THE SUB-BASE COURSE, ALL TRAFFIC SHALL BE KEPT OFF THE BASE UNTIL THE BINDER COURSE IS LAID. AFTER INSTALLATION OF THE BINDER COURSE (AND FOR PUBLIC IMPROVEMENTS AFTER THE BINDER COURSE HAS BEEN IN PLACE AND 80% OF DEVELOPMENT BUILT OUT), AND UPON THE COMPLETION OF INSPECTION OF SAME AND APPROVAL BY THE CITY AND DEVELOPER, THE PAVEMENT SHALL BE CLEANED, PRIMED AND THE SURFACE COURSE LAID. ALL DAMAGED AREAS IN THE BINDER BASE OR BINDER SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY AND DEVELOPER PRIOR TO LAYING THE SURFACE COURSE. THE PAVING CONTRACTOR SHALL PROVIDE WHATEVER EQUIPMENT AND MANPOWER IS NECESSARY, INCLUDING THE USE OF POWER BROOMS, TO PREPARE THE PAVEMENT FOR APPLICATION OF THE SURFACE COURSE. A TACK COAT SHALL BE APPLIED TO THE BINDER AT A RATE OF 0.1 GALLONS PER SQUARE YARD.

7.4 THE BITUMINOUS CONCRETE BINDER COURSE SHALL BE IN ACCORDANCE WITH THE LATEST IDOT DISTRICT ONE HMA - MIX SELECTION TABLE. FOR ROADWAYS WITH LOWER THAN 10,000 ADT THE BINDER COURSE SHALL BE CLASS I, MIXTURE IL19.0, N50. ALL WORK AND MATERIALS SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 406 OF THE I.D.O.T. STANDARD SPECIFICATIONS. THE MINIMUM THICKNESS OF THE COMPLETED BITUMINOUS BINDER COURSE, AS MEASURED AT ANY POINT ON THE PAVEMENT SURFACE, SHALL BE IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DETAILS SHOWN ON THE ENGINEERING PLANS.

7.5 FOR ROADWAYS IN NEW DEVELOPMENTS, THE BINDER COURSE SHALL BE SUBJECT TO ONE WINTER PERIOD (MINIMUM) OF TRAFFIC AFTER PLACEMENT BEFORE THE CONSTRUCTION OF THE FINAL SURFACE COURSE. PRIOR TO NOVEMBER, BITUMINOUS RAMPS SHALL BE INSTALLED AT RAISED MANHOLES, VAULT, AND INLET CASTING TO FACILITATE SNOW REMOVAL FROM THE STREETS. RAMPS SHALL BE REMOVED PRIOR TO CONSTRUCTION OF THE SURFACE COURSE. PRIOR TO THE CONSTRUCTION OF THE FINAL SURFACE COURSE, CORE BORING SHALL BE MADE, IN THE PRESENCE OF A REPRESENTATIVE OF THE CITY, THROUGH THE EXISTING BINDER COURSE AND AGGREGATE BASE COURSE. THE CORINGS SHALL BE SPACED AS DIRECTED BY THE CITY ENGINEER AND SHALL BE ALTERNATELY STAGGERED ON EACH SIDE OF THE CENTERLINE OF THE PAVEMENT. CORING SHALL BE MEASURED FOR THICKNESS AND RESULTS OF THE CORE BORINGS SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL BEFORE PROCEEDING THE FINAL BITUMINOUS COURSE. ANY DEFICIENCIES IN THICKNESS OF BASE AND/OR BINDER SHALL BE CORRECTED BY AN APPROVED THICKNESS OF SURFACE COURSE OR OTHER METHOD FOUND ACCEPTABLE TO THE CITY ENGINEER. ALL CORE BORINGS SHALL BE FILLED AND COMPACTED WITH BITUMINOUS ASPHALT. THE COST OF ALL BORINGS SHALL BE AT THE DEVELOPER'S EXPENSE.

7.6 PRIOR TO CONSTRUCTION OF THE FINAL BITUMINOUS SURFACE COURSE ON PREVIOUSLY CONSTRUCTED BITUMINOUS BINDER COURSE SUBJECT TO EXTENDED TRAFFIC USE, A BITUMINOUS TACK COAT SHALL BE APPLIED TO SAID BITUMINOUS BINDER COURSE SURFACE. THE BITUMINOUS CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE LATEST IDOT DISTRICT ONE HMA - MIX SELECTION TABLE. FOR ROADWAYS WITH LOWER THAN 10,000 ADT THE BITUMINOUS CONCRETE SURFACE COURSE SHALL BE MIX D, IL-9.5 MM N50 CONSTRUCTED ON PREVIOUSLY PLACED BITUMINOUS BINDER COURSE. THE WORK AND MATERIALS SHALL CONFORM TO APPLICABLE PROVISIONS OF SECTION 406 OF THE STANDARD I.D.O.T. SPECIFICATIONS. THE BITUMINOUS MIXTURE SHALL BE SHOWN ON THE PLANS OR SPECIFIED IN THE PROJECT SPECIFICATIONS AND APPROVED BY THE CITY ENGINEER. NO RECYCLED BITUMINOUS MATERIAL WILL BE PERMITTED IN THE FINAL BITUMINOUS SURFACE COURSE MIXTURE UNLESS APPROVED BY THE CITY ENGINEER. THE MINIMUM THICKNESS OF THE FINAL COMPLETED BITUMINOUS SURFACE COURSE, AS MEASURED AT ANY POINT ON THE PAVEMENT SURFACE, SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DETAILS SHOWN ON THE PLANS.

7.7 THE CONTRACTOR SHALL GUARANTEE THE PAVEMENT FOR ONE YEAR AFTER FINAL ACCEPTANCE AGAINST SETTLEMENT, LOW SPOTS, AND/OR RAVELING OUT OF SURFACE. THE CONTRACTOR SHALL MAKE ANY REPAIRS NECESSARY DURING THE GUARANTEE PERIOD TO MAINTAIN THE FINISHED PAVEMENT IN SATISFACTORY CONDITION. REPAIR SHALL INCLUDE BUT NOT BE LIMITED TO REMOVING DEFECTIVE PAVEMENT AND REPLACING WITH NEW PAVEMENT AS DIRECTED BY THE CITY ENGINEER.

7.8 HMA PATCHES SHALL BE CONSTRUCTED IN ACCORDANCE TO THE SECTION 442 OF THE STANDARD SPECIFICATIONS FOR CLASS D PATCHES. FOR UTILITY TRENCH HMA PATCHES THE CONTRACTOR SHALL SAWCUT THE PAVEMENT AND PATCH AS SHOWN PER THE CITY DETAIL STANDARD NO. 7.15. SAWCUTTING SHALL BE TO FULL DEPTH OF THE MATERIAL BEING REMOVED.

7.9 PAVEMENT MARKINGS SHALL BE THERMOPLASTIC TYPE AND MEETING THE REQUIREMENTS OF ARTICLE 1095.01 OF THE STANDARD SPECIFICATIONS. MARKINGS SHALL BE APPLIED ONLY WHEN THE PAVEMENT TEMPERATURE IS 55 F DEG. OR ABOVE AND NO LATER THAN NOVEMBER 1 OR EARLIER THAN APRIL 15. BEFORE APPLYING THE MARKING MATERIAL, THE PAVEMENT SHALL BE CLEANED ACCORDING TO THE MANUFACTURER, DRY, AND FREE OF DEBRIS. APPLICATION SHALL BE IN ACCORDANCE TO SECTION 780 OF THE STANDARD SPECIFICATIONS.

8. WATER MAIN CONSTRUCTION

8.1 PIPE MATERIAL: ALL WATER MAIN PIPE SHALL BE DUCTILE IRON PIPE, CLASS 52 MINIMUM OR AS SHOWN ON THE PLANS AND SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA C104. JOINTS SHALL BE PUSH-TYPE UNLESS OTHERWISE SHOWN ON THE PLANS. NO ALTERNATE PIPE MATERIAL, SUCH AS PVC PLASTIC, ETC., SHALL BE CONSIDERED ACCEPTABLE WITHOUT THE WRITTEN CONSENT OF THE CITY ENGINEER, AND ALL PUBLIC BODIES HAVING JURISDICTION. UPON REQUEST, THE CONTRACTOR SHALL PROVIDE THE CITY AND ENGINEER WITH SUPPLIERS' PRODUCT TEST REPORTS, CATALOG INFORMATION, ALTERNATE BIDS OR ANY OTHER INFORMATION THAT THE CITY AND ENGINEER MAY FIND NECESSARY IN CONSIDERING THE ALTERNATE MATERIAL. THE ACCEPTANCE OF THE PROPOSED ALTERNATE WILL IN NO WAY BE WARRANTIED BY THESE SUBMITTALS.

8.2 PIPE FITTINGS: ALL WATER MAIN FITTINGS FOR UNDERGROUND CONSTRUCTION APPLICATIONS SHALL BE DUCTILE IRON PIPE FITTINGS, WITH MECHANICAL JOINTS. FITTINGS AND SPECIALS SHALL BE EITHER CAST IRON OR DUCTILE IRON AND SHALL CONFORM TO AWWA C-153. JOINTS SHALL BE MECHANICAL JOINT IN ACCORDANCE WITH ANSI A21.11 (AWWA C-111 AND AWWA C-600). FITTINGS AND SPECIALS SHALL BE BITUMINOUS (SEAL) COATED ON THE EXTERIOR AND CEMENT-MORTAR LINED ON THE INTERIOR IN ACCORDANCE WITH AWWA C-104. FITTINGS AND SPECIALS SHALL BE FURNISHED AND INSTALLED WITH ACCESSORIES NECESSARY FOR A COMPLETE AND OPERATING INSTALLATION. MEGA-LUG RETAINER GLANDS AND CONCRETE THRUST BLOCKS SHALL BE USED ON ALL OFFSET FITTINGS. REFER TO THE CITY STANDARD NO. 6.10 FOR THRUST BLOCK DETAILS.

8.3 VALVE VAULT FRAMES AND LIDS: FRAMES AND LIDS FOR VALVE VAULTS SHALL CONFORM TO EAST JORDAN CASTING NO. 1020 OR APPROVED EQUAL. THE WORDS "CITY OF BATAVIA" AND "WATER" SHALL BE CAST INTO THE LIDS. REFER TO THE CITY DETAIL STANDARD NO. 6.01 FOR DETAILED INFORMATION ON VALVES AND DETAIL 6.04 FOR DETAILED INFORMATION ON LIDS

8.4 FIRE HYDRANT ASSEMBLY: FIRE HYDRANTS SHALL HAVE A 6-INCH DIAMETER BARREL AND SHALL BE CLOW MEDALLION OR APPROVED EQUAL.THE FIRE HYDRANT ASSEMBLY SHALL CONSIST OF: MAIN LINE TEE, CONNECTING 6-INCH PIPE 6-INCH AUXILIARY GATE VALVE WITH CAST IRON BOX, CONNECTING RODS, AND HYDRANT WITH BREAKAWAY FLANGE AND BRONZE TO BRONZE SEATING, AND ALL OTHER WORK AND MATERIALS FOR A COMPLETED INSTALLATION. ALL BELOW GROUND LEVEL NUTS BOLTS ARE TO BE STAINLESS STEEL. ALL HYDRANTS SHALL BE FACTORY PAINTED MATCHING THE CITY OF BATAVIA COLOR. HYDRANTS SHALL HAVE HYDRANT LOCATORS PER DETAIL. REFER TO THE CITY DETAIL STANDARD NO. 6.03 FOR DETAILED INFORMATION ON THE FIRE HYDRANT ASSEMBLY.

8.5 MINIMUM COVER: ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 5.5 FEET AND A MAXIMUM OF 10' (UNLESS APPROVED BY THE CITY ENGINEER) MEASURED FROM PROPOSED FINISHED GROUND LINE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THIS MINIMUM DEPTH OF COVER.

8.6 GATE VALVES: THE CONTRACTOR SHALL FURNISH AND INSTALL RESILIENT WEDGE GATE VALVES CONFORMING TO (AWWA C-515) AND SHALL BE MUELLER WATEROUS, CLOW OR APPROVED EQUAL. VALVES TO BE INSTALLED IN A VALVE VAULT AS SHOWN ON THE PLANS. ALL NUTS AND BOLTS ON VALVE ARE TO BE STAINLESS STEEL. MEG-A-LUGS SHALL BE USED, INTERIOR OF VALVE SHALL BE COATED WITH A RESINOUS OR POLYMERIC COATING CONFORMING TO AWWA C-550. REFER TO THE CITY DETAIL STANDARD NO. 6.01 FOR DETAILED INFORMATION ON VALVES.

8.7 THRUST RESTRAINT: REINFORCED CONCRETE BLOCKS AND “MEGA-LUG” JOINT RESTRAINTS SHALL BE USED FOR THRUST RESTAINT ON ALL FITTINGS. USE OF PRECAST THRUST BLOCKS SHALL BE LIMITED TO FIRE HYDRANT INSTALLATIONS (AS NOTED ON THE TYPICAL HYDRANT DETAIL DRAWING) AND FOR PIPE DIAMETERS SMALLER THAN 12-INCH. AS NOTED ON THE TYPICAL DETAIL DRAWINGS. REFER TO THE CITY DETAIL STANDARDS NO. 6.09 AND 6.10 FOR DETAILED INFORMATION ON THRUST BLOCKS AND RESTRAINED JOINTS.

8.8 POLYETHYLENE ENCASEMENT TUBING: THE CONTRACTOR SHALL FURNISH AND INSTALL POLYETHYLENE ENCASEMENT TUBING FOR ALL DUCTILE IRON PIPE. POLYETHYLENE ENCASEMENT TUBING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH ANSI A21.5 (AWWA C-105), SHALL BE CLASS "C" POLYETHYLENE MATERIAL, AND SHALL BE INSTALLED EITHER BY "METHOD A" OR "METHOD B" AS LISTED IN ANSI A21.5. THE POLYETHYLENE ENCASEMENT TUBING SHALL BE BLUE IN COLOR UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
SECURE THE TUBING ALONG THE LENGTH OF THE WATERMAIN AT EVERY 3FT ALONG THE PIPE BARREL AND AT JOINTS AS NOTED. NOTE THAT WHEN LIFTING THE POLYETHYLENE ENCASED PIPE WITH A BACKHOE, USE FABRIC TYPE "SLING" OR PADDED CABLE TO PROTECT THE POLYETHYLENE. CAREFUL ATTENTION SHALL BE TAKEN WHEN MOUNTING TABBING MACHINES TO PROTECT THE TUBING FOR SERVICE CONNECTIONS. FOLLOW THE RECOMMENDED GUIDELINES FOR SERVICE TAPS IN THE ANSI STANDARD.

8.9 SERVICE PIPE AND FITTINGS: WATER SERVICE PIPE INSTALLED FOR HOUSE SERVICES SHALL BE MINIMUM 1-INCH DIAMETER COPPER PIPE, TYPE "K" CONFORMING TO LATEST REQUIREMENTS OF THE ILLINOIS PLUMBING CODE. FITTINGS SHALL BE BRONZE AND OF THE COMPRESSION TYPE. COPPER PIPE SHALL BE ONE PIECE FROM THE TAP TO THE CURB BOX.

8.10 CORPORATION AND CURB STOPS: WATER SERVICE STOPS SHALL BE OF BRASS, AND OF THE TYPE THAT IS STANDARD WITH THE CITY DETAIL 6.02 ALL CORP AND CURB STOPS SHALL BE STAMPED WITH “NL”.

8.11 TAPPING VALVE AND SLEEVE: TAPPING VALVES AND SLEEVES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE SIZE SHOWN ON THE PLANS. TAPPING VALVES SHALL CONFORM TO AWWA SPECIFICATION C-515, RESILIENT WEDGE GATE VALVES. TAPPING VALVES AND SLEEVES SHALL BE INSTALLED IN PRECAST CONCRETE VAULTS OF THE SIZE AND TYPE SHOWN ON THE PLAN. ALL TAPPING TEES SHALL BE STAINLESS STEEL. REFER TO THE CITY DETAIL STANDARD NO. 6.07 FOR DETAILED INFORMATION ON PRESSURE CONNECTIONS.

8.12 SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL WATERMAIN AND APPURTENANCES TO BE PROVIDED AND APPROVED BY THE CITY ENGINEER OR THEIR REPRESENTATIVE PRIOR TO DELIVERY OF MATERIALS TO THE CONSTRUCTION SITE. SUBMITTALS WILL INCLUDE CATALOGUE DATA, WEIGHTS, ASSEMBLY DRAWINGS, COATINGS INFORMATION, AFFIDAVITS OF COMPLIANCE, AND RECORDS OF THE TESTING REQUIREMENTS AS SET FORTH IN THE APPLICABLE AWWA STANDARD FOR THE MATERIAL BEING PROVIDED.

8.13 LEAKAGE TESTING AND DISINFECTING: ALL WATER MAINS SHALL BE TESTED FOR LEAKAGE UNDER PRESSURE AND BE DISINFECTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND TO THE SATISFACTION OF THE CITY OF BATAVIA WATER DEPARTMENT. A CITY REPRESENTATIVE SHALL BE PRESENT DURING TESTING.

9. RESTORATION AND LANDSCAPING

9.1 ALL EXCAVATED MATERIALS FOR CURBS OR WALKS IS TO BE REMOVED FROM SITE. THIS SPOIL MAY NOT TO BE USED AS BACKFILL.

9.2 CUT EDGE OF EXCAVATION AWAY TO ALLOW FOR PROPER COMPACTION.

9.3 BACKFILL ALL OVER-DUG OR EXCAVATED AREAS WITH PULVERIZED TOPSOIL, EITHER MANUALLY OR MECHANICALLY. (SOURCE TO BE APPROVED BY CITY ENGINEER OR ENGINEER'S REPRESENTATIVE)

9.4 COMPACT PULVERIZED TOPSOIL IN 4" TO 6" LIFTS TO MINIMIZE SETTLEMENT UNLESS OTHERWISE NOTED BY THE ENGINEER.

9.5 MANUALLY FEATHER PULVERIZED TOPSOIL INTO EXISTING GRADES OR NO GREATER THAN 4:1, APPROXIMATELY 2' TO 4' FEET IN FRONT OF AND BEHIND NEW CURBS, WALKS OR BOTH SIDE OF EXCAVATION FOR PUBLIC IMPROVEMENTS OR AS DIRECTED BY CITY ENGINEER OR THEIR DESIGNEE IN ORDER TO CREATE A SMOOTH, CONSISTENT AND MAINTAINABLE SURFACE. (NOTE: ON LARGER PROJECTS THIS MAY BE DONE MECHANICALLY. IN ALL CASES WHERE WORK IS ADJACENT TO EXISTING TURF, FINISH WORK MUST BE MANUALLY RAKED.)

9.6 SEED BLENDS (PLEASE PROVIDE TAG FROM BAG TO CITY REPRESENTATIVE):
A) LOW SALT IMPACT AREAS:
50% EQUAL QUANTITIES OF 2 VARIETIES OF IMPROVED KENTUCKY BLUE GRASS (98/85)
50% EQUAL QUANTITIES OF 2 VARIETIES OF TURF TYPE PERENNIAL RYE GRASS (98/90)
B) HIGH SALT IMPACT AREAS (I.E. RIGHT OF WAY / PARKWAY):
USE CLASS 1A SALT TOLERANT "I.D.O.T." BLEND WITH 1/2 RATE OF LOW SALT IMPACT AREA BLEND

9.7 SEED TO BE INSTALLED AT THE RATE LISTED IN SECTION 250 OF THE IDOT SPEC BOOK. EITHER MECHANICALLY OR MANUALLY. SEED TO BE RAKED IN OR LIGHTLY COVERED IN A METHOD APPROVED BY CITY ENGINEER OR ENGINEER'S DESIGNEE FROM APRIL 1 TO JUNE 15 AND AUGUST 1 TO NOVEMBER 1

9.8 WITHIN 24 HRS. SEEDED AREAS TO BE COVERED PER THE IDOT SPEC 251 UNLESS THE SLOPE IS GREATER THAN 3:1, WHICH IT MUST BE COVERED THE SAME DAY. BLANKET TO USE BIODEGRADABLE STAPLES. THE LONGEVITY OF THE EROSION CONTROL BLANKET PRODUCT TAKE INTO CONSIDERATION THE SITE CONDITIONS AND REQUIRED DEGREE OF STABILIZATION. FOR RESIDENTIAL PARKWAY AREAS OR AS DIRECTED BY THE CITY ENGINEER, EROSION CONTROL BLANKET SHALL BE "ULTRA-SHORT TERM" SUCH THAT THE BLANKET AND NETTING WILL DECOMPOSE WITHIN 3 MONTHS.

9.9 IMMEDIATELY UPON COMPLETION OF STRAW PLACEMENT A LIGHT COVERING OF ADHESIVE TREATED HYDROMULCH TO BE INSTALLED TO HOLD STRAW IN PLACE.

9.10 ALL MATERIALS, WORK METHOD, EQUIPMENT AND SCHEDULING OF WORK TO BE APPROVED BY CITY ENGINEER OR THEIR DESIGNEE PRIOR TO COMMENCEMENT OF LANDSCAPE RESTORATION WORK.

10. EROSION AND SEDIMENT CONTROL CONSTRUCTION

10.1 UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL.

10.2 THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

10.3 A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

10.4 PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

10.5 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.

10.6 DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING A DEWATERING PLAN FOR APPROVAL TO THE OWNER PRIOR TO STARTING ANY DEWATERING OPERATIONS.

10.7 IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS OF IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

10.8 ALL AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE MUST BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS OR ONCE EVERY 14 CALANDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.25 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

10.9 IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION. IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 14TH DAY AFTER WORK HAS CEASED.

10.10 THE DEVELOPER IS RESPONSIBLE FOR SUPPLYING THE CITY OF BATAVIA WITH WEEKLY SOIL EROSION REPORTS.

10.11 DUST CONTROL: PROVISIONS SHALL BE MADE TO HAVE THE PUBLIC STREETS SWEPT WITH A MECHANICAL SWEEPER ON A WEEKLY BASIS, UNLESS REQUIRED DAILY BY THE CITY ENGINEER OR THEIR DESIGNEE. IN ADDITION, THE SITE DUST SHALL BE KEPT TO A MINIMUM BY SPRAYING THE SITE DOWN DAILY WITH WATER TO BE PROVIDED BY THE CONTRACTOR. A METER FOR THE WATER MUST BE OBTAINED FROM THE WATER DIVISION AT PUBLIC WORKS.

10.12 STOCKPILED MATERIAL AND/OR CONCRETE WASHOUT SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS.

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	VOIDS
FULL-DEPTH PARKING LOT PAVEMENT	
HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1.5"	4% @ 50 GYR
HMA BINDER COURSE, IL-19.0, N50, 2.5"	4% @ 50 GYR

NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
2. FOR USE OF RECYCLED MATERIALS SEE IDOT DISTRICT SPECIAL PROVISION FOR "RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES".
3. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY THE SPECIAL PROVISION.

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PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

BATAVIA

PEDESTRIAN RAMP AT PEACE BRIDGE

ILLINOIS

GENERAL NOTES

SCALE: NONE | SHEET 4 OF 4 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	5

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*	*	ITEM #	PAY ITEM	UNIT	*
*	*	ITEM #	PAY ITEM	UNIT	*
*	*				*

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PLOT DATE = 3/12/2025

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DATE - ----------	- ----------	- ----------

PEDESTRIAN RAMP AT
PEACE BRIDGE

BATAVIA ILLINOIS

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 1 OF X SHEETS | STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	6

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY

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PLOT DATE = 3/12/2025

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DRAWN - ----------	- ----------	- ----------
CHECKED - ----------	- ----------	- ----------
DATE - ----------	- ----------	- ----------

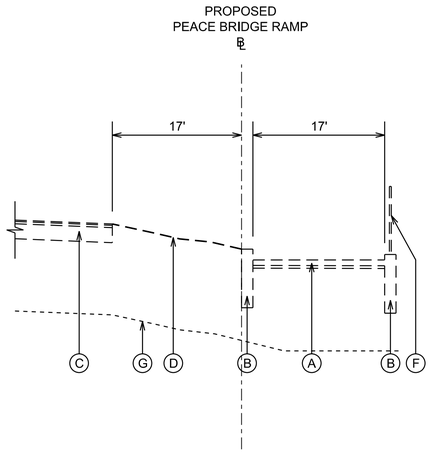
**PEDESTRIAN RAMP AT
PEACE BRIDGE**

BATAVIA ILLINOIS

SUMMARY OF QUANTITIES

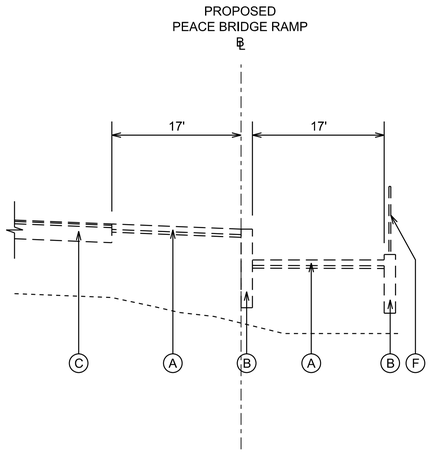
SCALE: NONE | SHEET 2 OF X SHEETS | STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	7



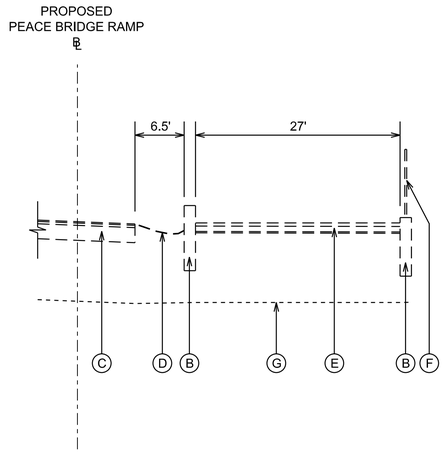
EXISTING TYPICAL SECTION
PEACE BRIDGE RAMP

STA 10+25.00 TO STA 10+90.46
(STA 11+53.11 TO STA 12+18.09)



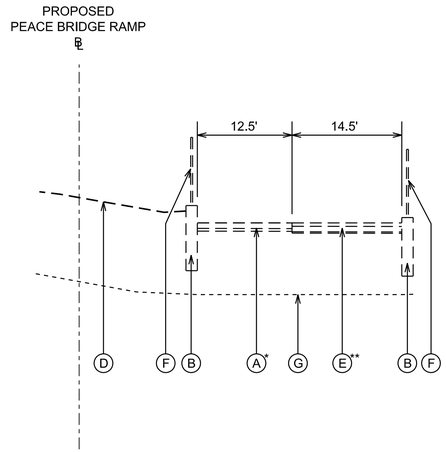
EXISTING TYPICAL SECTION
PEACE BRIDGE RAMP

STA 10+90.46 TO STA 11+53.11



EXISTING TYPICAL SECTION
PEACE BRIDGE RAMP

STA 12+18.09 TO STA 12+33.36



EXISTING TYPICAL SECTION
PEACE BRIDGE RAMP

STA 12+33.36 TO STA 12+91.08
*STAIRS DOWN FROM STA 12+53.48 TO STA 12+80.24
**PEACE BRIDGE RAMP BEGINS STA 12+53.48

EXISTING LEGEND

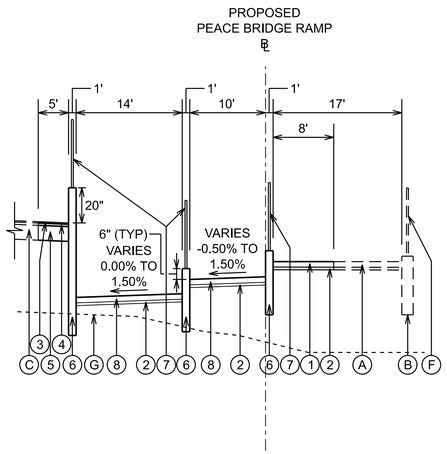
- (A) PORTLAND CEMENT CONCRETE PAVEMENT
- (B) RETAINING WALL
- (C) HOT-MIX ASPHALT PARKING LOT PAVEMENT
- (D) EXISTING GROUND
- (E) BRICK PAVERS
- (F) EXISTING RAILING
- (G) EXISTING BEDROCK (SEE GEOTECHNICAL REPORT)

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (2) COMPACTED AGGREGATE SUBBASE, CA-6, 2"
- (3) HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1.5"
- (4) HMA BINDER COURSE, IL-19.0, N50, 2.5"
- (5) AGGREGATE BASE COURSE, TYPE B, 6"
- (6) PROPOSED RETAINING WALL
- (7) PROPOSED RAILING
- (8) PORTLAND CEMENT CONCRETE SIDEWALK, 6"

NOTES

1. ALL TYPICAL SECTION VIEWS FACING EAST.
2. SEE GENERAL NOTES FOR HOT-MIX ASPHALT REQUIREMENTS.



PROPOSED TYPICAL SECTION
PEACE BRIDGE RAMP

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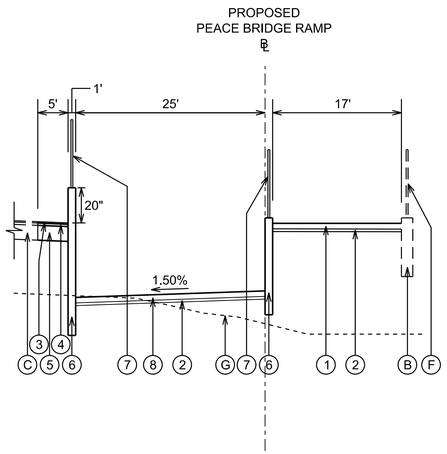
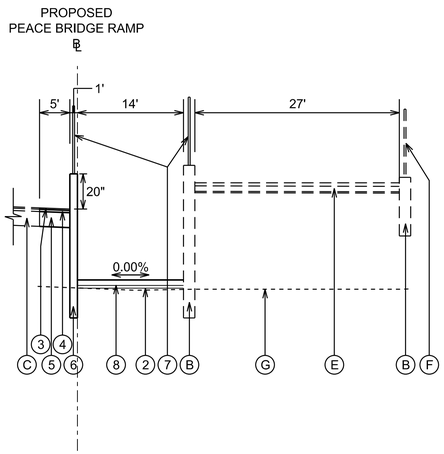
(STA 11+44.01 TO STA 12+18.09)



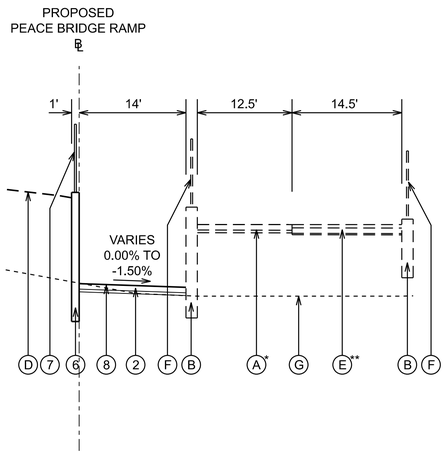
PROPOSED TYPICAL SECTION
PEACE BRIDGE RAMP

STA 10+99.08 TO STA 11+44.01



PROPOSED TYPICAL SECTION
PEACE BRIDGE RAMP

STA 12+18.09 TO STA 12+33.36



PROPOSED TYPICAL SECTION
PEACE BRIDGE RAMP

STA 12+33.36 TO STA 12+91.08
*STAIRS DOWN FROM STA 12+53.48 TO STA 12+80.24
**PEACE BRIDGE RAMP BEGINS STA 12+53.48

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	DRAWN - _____	- _____	- _____		
PLOT SCALE =	CHECKED - _____	- _____	- _____		
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA	ILLINOIS

TYPICAL SECTIONS					
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. 10+00.00	TO STA. 12+91.08		

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	8

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BENCHMARK POINTS

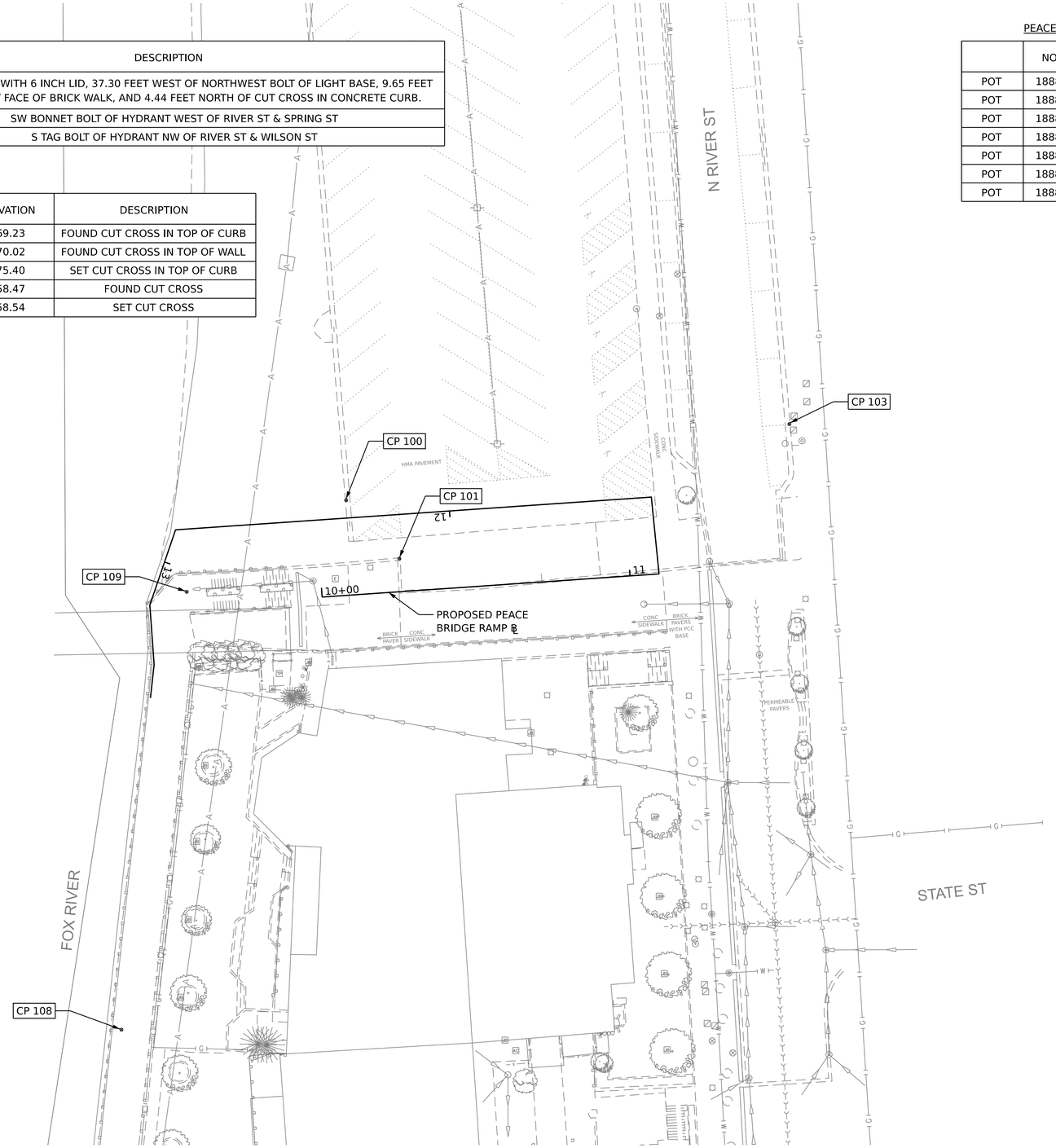
B.M. #	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	1889034.66	990854.64	PUBLISHED = 670.53 MEASURED = 670.477	ALUMINUM ROD WITH 6 INCH LID, 37.30 FEET WEST OF NORTHWEST BOLT OF LIGHT BASE, 9.65 FEET EAST OF EAST FACE OF BRICK WALK, AND 4.44 FEET NORTH OF CUT CROSS IN CONCRETE CURB.
10001	1888696.854	991641.996	681.292	SW BONNET BOLT OF HYDRANT WEST OF RIVER ST & SPRING ST
10002	1887989.877	991689.744	681.613	S TAG BOLT OF HYDRANT NW OF RIVER ST & WILSON ST

CONTROL POINTS

C.P. #	NORTHING	EASTING	STATION	OFFSET	ELEVATION	DESCRIPTION
100	1888443.204	991551.549	12+33.16	5.75' RT	669.23	FOUND CUT CROSS IN TOP OF CURB
101	1888424.241	991568.772	10+25.80	10.63' LT	670.02	FOUND CUT CROSS IN TOP OF WALL
103	1888467.885	991695.152	11+34.44	50.58' RT	675.40	SET CUT CROSS IN TOP OF CURB
108	1888271.684	991478.734	14+53.61	0.69' LT	658.47	FOUND CUT CROSS
109	1888413.531	991499.889	13+10.36	7.68' LT	658.54	SET CUT CROSS

PEACE BRIDGE RAMP ALIGNMENT POINTS

	NORTHING	EASTING	STATION
POT	1888411.842	991543.752	10+00.00
POT	1888419.359	991652.918	11+09.42
POT	1888444.247	991650.434	11+34.44
POT	1888433.631	991496.260	12+88.97
POT	1888409.257	991487.921	13+14.74
POT	1888389.990	991489.320	13+34.05
POT	1888379.160	991488.120	13+44.95



NOTE:
ELEVATIONS SHOWN REFER TO NAVD88.
COORDINATES SHOWN HEREON ARE ILLINOIS STATE PLANE, EAST ZONE, NAD83(2011) GRID .

N

1"=20'
20 0 20 40
SCALE FEET

MODEL: Default
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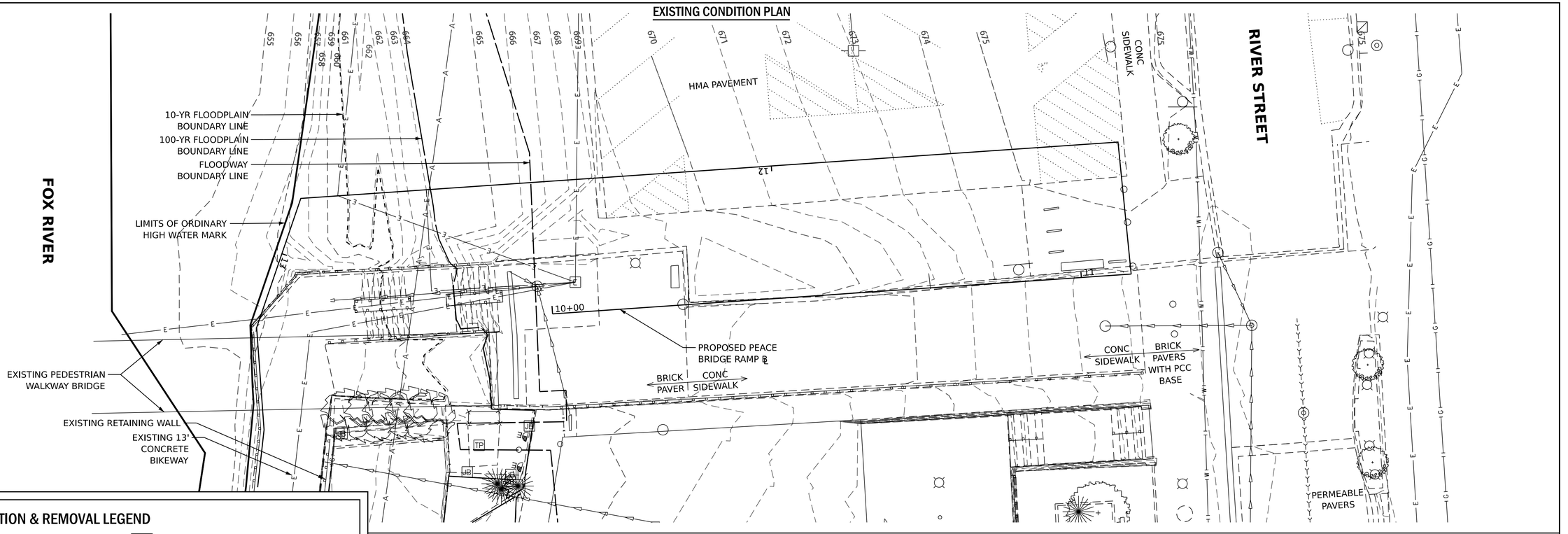
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA	ILLINOIS

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 10+00.00 | TO STA. 13+43.82

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	9

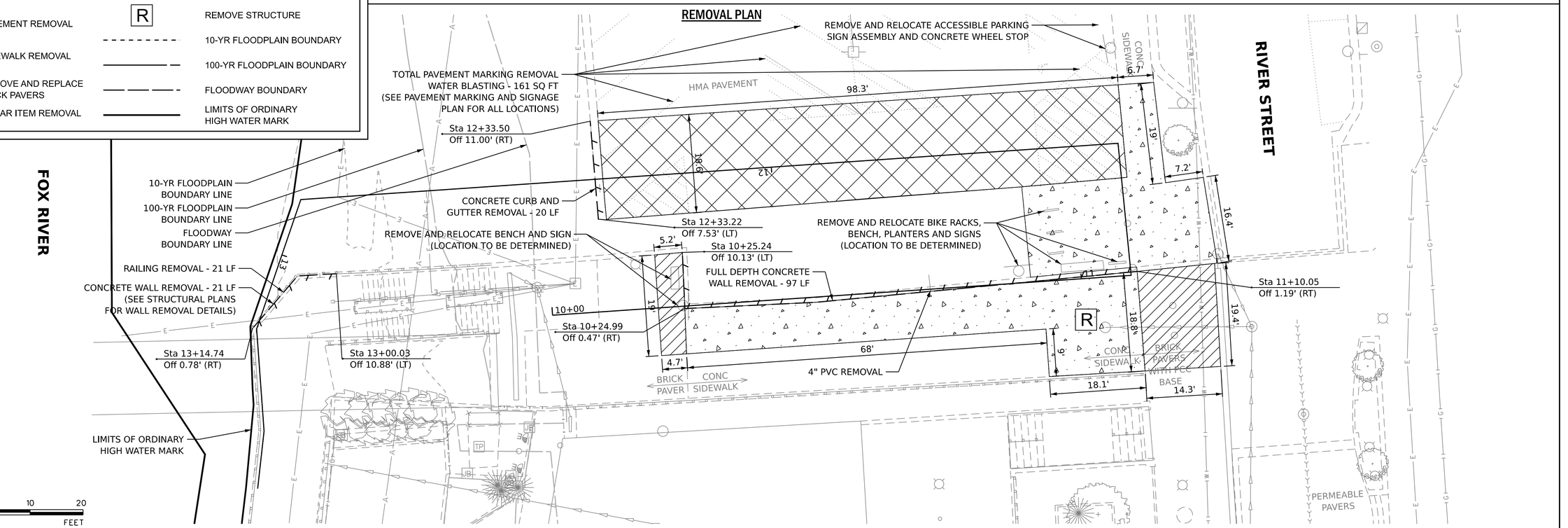
EXISTING CONDITION PLAN



EXISTING CONDITION & REMOVAL LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- REMOVE AND REPLACE BRICK PAVERS
- LINEAR ITEM REMOVAL
- R — REMOVE STRUCTURE
- 10-YR FLOODPLAIN BOUNDARY
- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- LIMITS OF ORDINARY HIGH WATER MARK

REMOVAL PLAN



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1"=10'

10 0 10 20

SCALE FEET

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		DRAWN -		-	
PLOT SCALE =		CHECKED -		-	
PLOT DATE = 3/12/2025		DATE -		-	

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

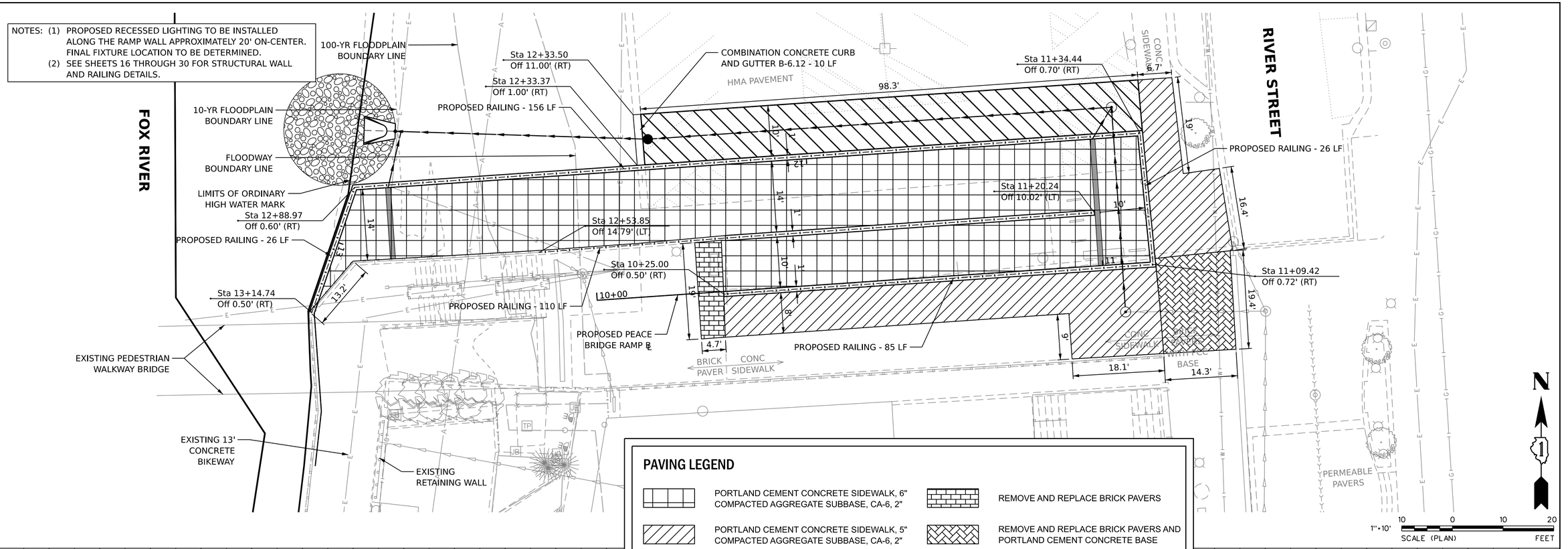
EXISTING CONDITION & REMOVAL PLAN

SCALE: 1"=10' | SHEET 1 OF 1 SHEETS | STA. 10+00.00 | TO STA. 13+43.82

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	10

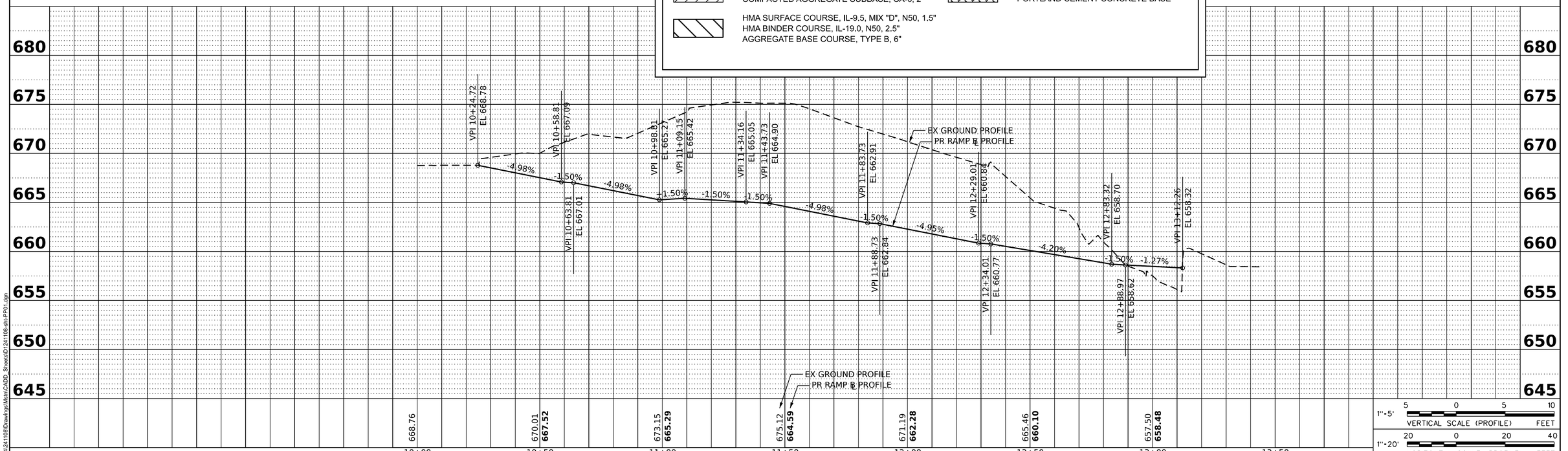
CONTRACT NO. xxxxxx

NOTES: (1) PROPOSED RECESSED LIGHTING TO BE INSTALLED ALONG THE RAMP WALL APPROXIMATELY 20' ON-CENTER. FINAL FIXTURE LOCATION TO BE DETERMINED.
(2) SEE SHEETS 16 THROUGH 30 FOR STRUCTURAL WALL AND RAILING DETAILS.



PAVING LEGEND

- PORTLAND CEMENT CONCRETE SIDEWALK, 6" COMPACTED AGGREGATE SUBBASE, CA-6, 2"
- PORTLAND CEMENT CONCRETE SIDEWALK, 5" COMPACTED AGGREGATE SUBBASE, CA-6, 2"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 1.5" HMA BINDER COURSE, IL-19.0, N50, 2.5" AGGREGATE BASE COURSE, TYPE B, 6"
- REMOVE AND REPLACE BRICK PAVERS
- REMOVE AND REPLACE BRICK PAVERS AND PORTLAND CEMENT CONCRETE BASE



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630.724.9202 fax
www.v3co.us

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____
	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

PLAN & PROFILE

SCALE: SEE ABOVE | SHEET 1 OF 1 SHEETS | STA. 10+00.00 TO STA. 13+43.82

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	11

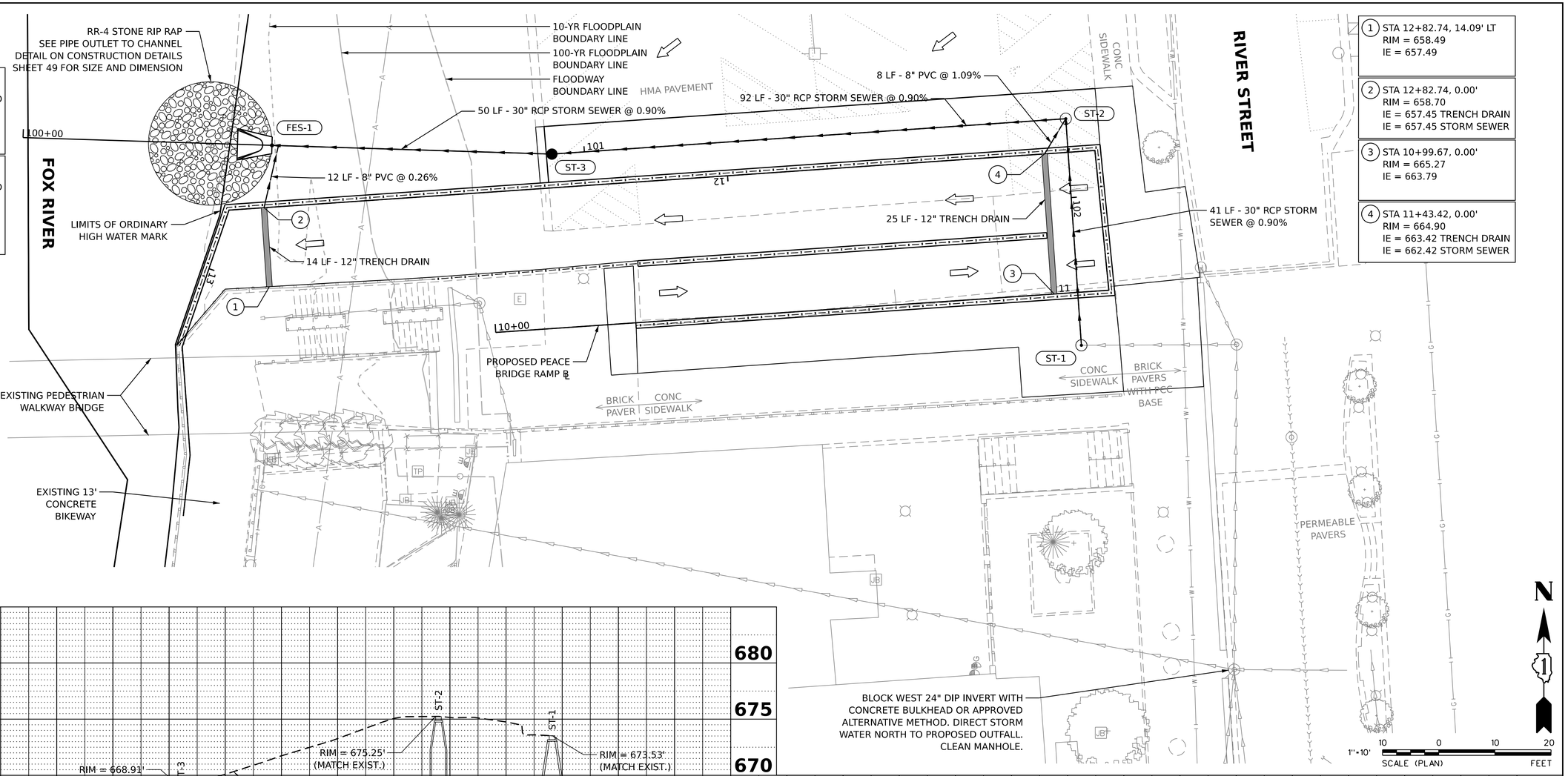
CONTRACT NO. xxxxxx

FES-1
30" RCP FLARED END SECTION
STA 12+82.73, 11.20' RT
PR IE = 657.41

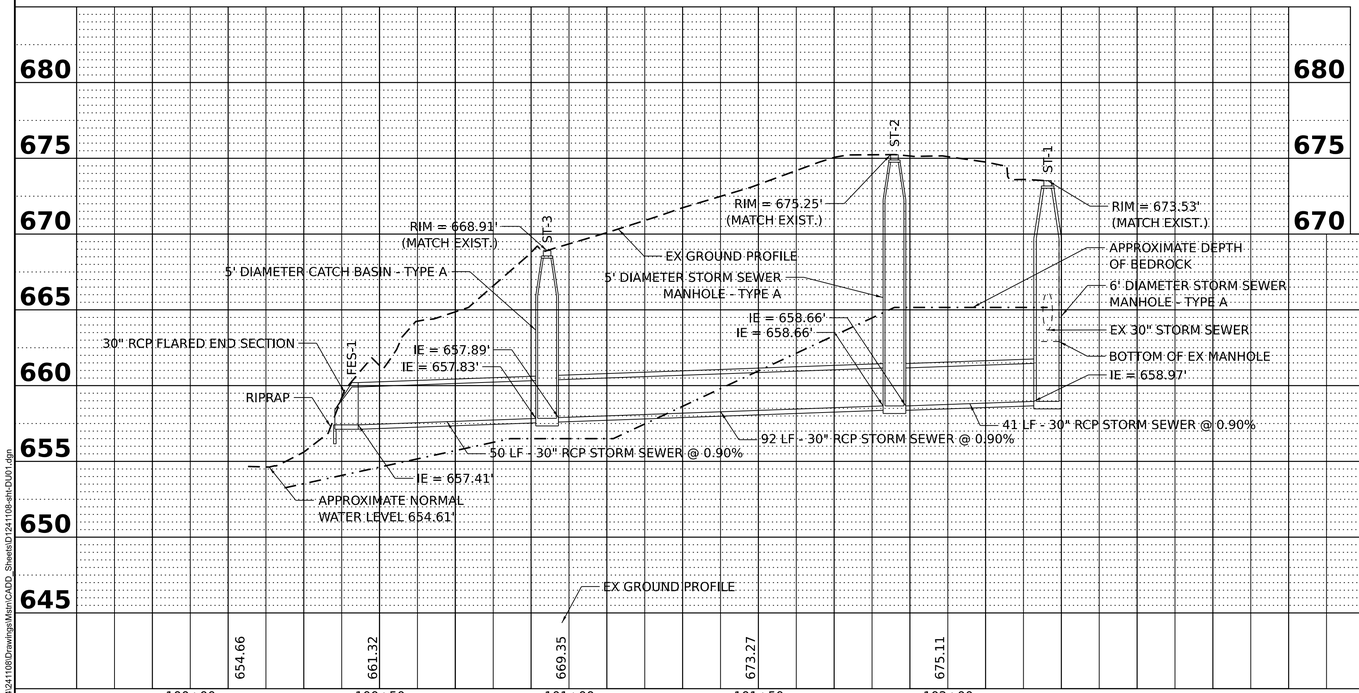
ST-1
6' DIA STORM SEWER MANHOLE
TYPE A, TYPE 1 FRAME, CLOSED LID
STA 11+03.87, 9.45' RT
RIM = 673.53
EX IE 30" RCP = 663.67 E
PR IE 30" RCP = 658.97 N

ST-2
5' DIA STORM SEWER MANHOLE
TYPE A, TYPE 1 FRAME, CLOSED LID
STA 11+39.23, 6.00' RT
RIM = 675.25
PR IE 30" RCP = 658.66 S
PR IE 30" RCP = 658.66 W
PR IE 8" PVC = 662.34 SW

ST-3
5' DIA CATCH BASIN
TYPE A, TYPE 1 FRAME, OPEN LID
STA 12+30.94, 6.00' RT
RIM = 668.91
PR IE 30" RCP = 657.89 E
PR IE 30" RCP = 657.83 W



1. STA 12+82.74, 14.09' LT
   RIM = 658.49
   IE = 657.49
2. STA 12+82.74, 0.00'
   RIM = 658.70
   IE = 657.45 TRENCH DRAIN
   IE = 657.45 STORM SEWER
3. STA 10+99.67, 0.00'
   RIM = 665.27
   IE = 663.79
4. STA 11+43.42, 0.00'
   RIM = 664.90
   IE = 663.42 TRENCH DRAIN
   IE = 662.42 STORM SEWER



DRAINAGE & UTILITY LEGEND

- OPEN LID DRAINAGE STRUCTURE
- CLOSED LID DRAINAGE STRUCTURE
- FLARED END SECTION
- SHEET FLOW
- PROPOSED RIPRAP
- PROPOSED STORM SEWER
- PROPOSED TRENCH DRAIN

N

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PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE
BATAVIA ILLINOIS

DRAINAGE & UTILITY PLAN
SCALE: SEE ABOVE | SHEET 1 OF 1 SHEETS | STA. 10+00.00 TO STA. 13+43.82

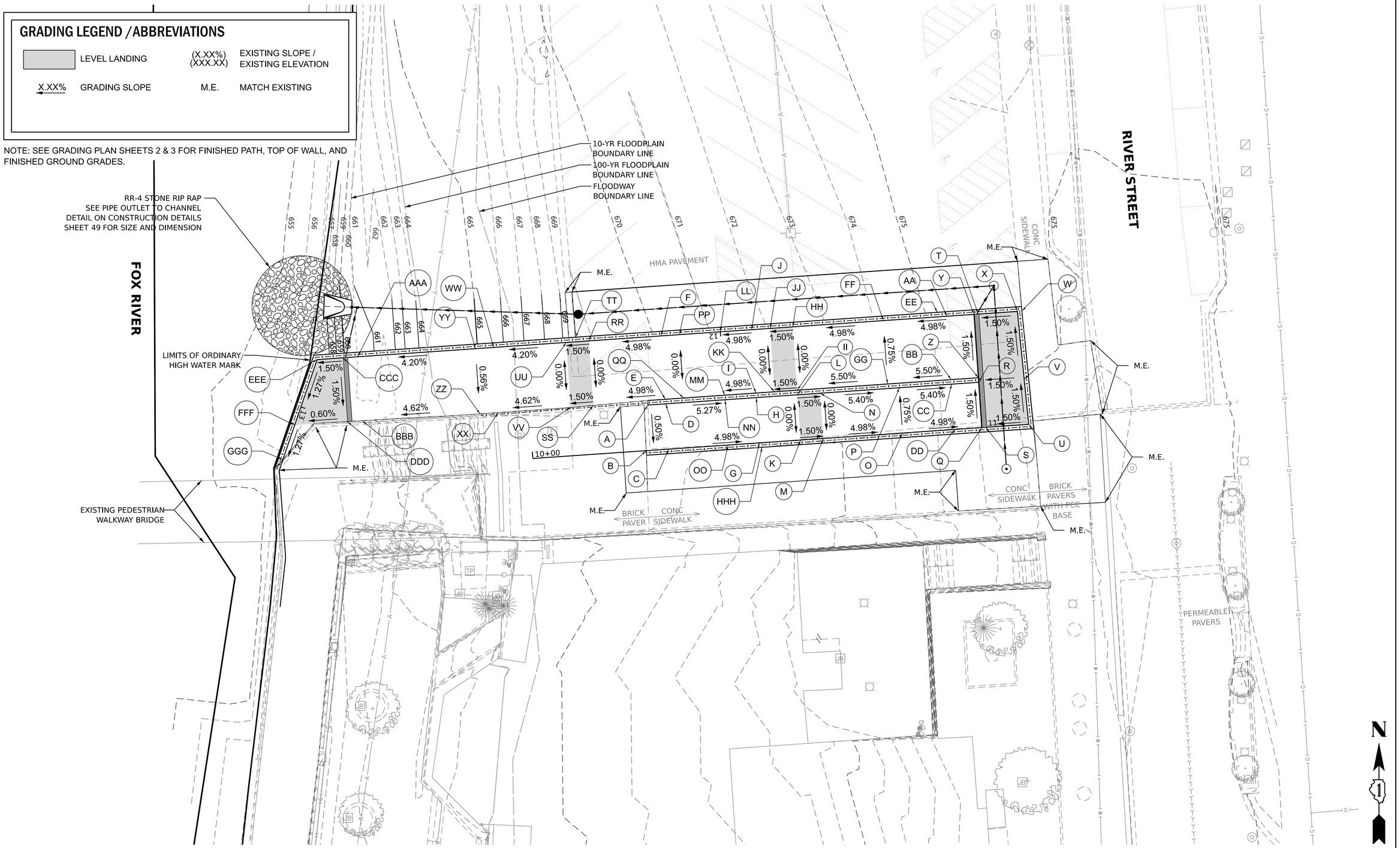
COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	12

CONTRACT NO. xxxxxx

GRADING LEGEND / ABBREVIATIONS

	LEVEL LANDING	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
X.XX%	GRADING SLOPE	M.E.	MATCH EXISTING

NOTE: SEE GRADING PLAN SHEETS 2 & 3 FOR FINISHED PATH, TOP OF WALL, AND FINISHED GROUND GRADES.



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = mfortmann	DESIGNED -	-	-	PEDESTRIAN RAMP AT PEACE BRIDGE
		DRAWN -	-	-	
	PLOT SCALE =	CHECKED -	-	-	
	PLOT DATE = 3/12/2025	DATE -	-	-	BATAVIA ILLINOIS

GRADING PLAN							
SCALE: 1"=10'	SHEET 1	OF 3	SHEETS	STA. 10+00.00	TO STA. 13+43.82		

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	13

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PEACE BRIDGE RAMP
ADA RAMP ELEVATION TABLE

POINT:	STATION	OFFSET	TYPE:	ELEVATION
A	10+26.09	10.00 LT	T/W	669.33
			F/P	668.83
B	10+25.00	0.00	T/W	669.29
			F/P	668.78
			F/G	668.79
C	10+30.00	0.00	T/W	669.29
			F/P	668.53
			F/G	668.88
D	10+30.00	10.00 LT	T/W	669.12
			F/P	668.56
E	10+30.00	11.00 LT	T/W	669.12
			F/P	661.63
F	10+30.00	25.00 LT	T/W	671.93
			F/P	661.64
			F/G	670.15
G	10+50.00	0.00	T/W	669.29
			F/P	667.54
			F/G	669.17
H	10+50.00	10.00 LT	T/W	668.07
			F/P	667.54
I	10+50.00	11.00 LT	T/W	668.07
			F/P	662.62
J	10+50.00	25.00 LT	T/W	673.55
			F/P	662.64
			F/G	671.75
K	10+59.08	0.00	T/W	670.16
			F/P	667.09
			F/G	669.66
L	10+59.08	10.00 LT	T/W	667.59
			F/P	667.09
M	10+64.08	0.00	T/W	670.67
			F/P	667.01
			F/G	669.94
N	10+64.08	10.00 LT	T/W	667.51
			F/P	667.01
O	10+81.58	0.00	T/W	672.46
			F/P	666.14
			F/G	671.22
P	10+81.58	10.00 LT	T/W	666.57
			F/P	666.07

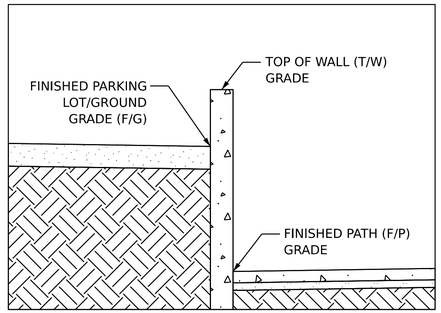
PEACE BRIDGE RAMP
ADA RAMP ELEVATION TABLE

POINT:	STATION	OFFSET	TYPE:	ELEVATION
Q	10+99.08	0.00	T/W	674.24
			F/P	665.27
			F/G	673.08
R	10+99.08	10.00 LT	T/W	665.62
			F/P	665.12
S	11+00.00	0.00	T/W	674.34
			F/P	665.28
			F/G	673.18
T	11+00.00	25.00 LT	T/W	676.87
			F/P	664.91
			F/G	675.16
U	11+09.42	0.00	T/W	675.40
			F/P	665.42
			F/G	674.26
V	11+19.43	0.00	T/W	675.40
			F/P	665.27
			F/G	674.93
W	11+34.41	0.00	T/W	675.40
			F/P	665.05
			F/G	675.21
X	11+34.44	0.00	T/W	676.87
			F/P	665.05
			F/G	675.19
Y	11+44.01	0.00	T/W	676.87
			F/P	664.90
			F/G	675.15
Z	11+20.74	10.00 LT	T/W	665.62
			F/P	665.11
AA	11+50.00	0.00	T/W	676.87
			F/P	664.60
			F/G	675.14
BB	11+50.00	14.00 LT	T/W	665.94
			F/P	664.77
CC	11+50.00	15.00 LT	T/W	665.94
			F/P	665.43
DD	11+50.00	25.00 LT	T/W	673.63
			F/P	665.57
			F/G	672.43
EE	11+52.06	0.00	T/W	676.87
			F/P	664.50
			F/G	675.13

GRADING LEGEND / ABBREVIATIONS

	LEVEL LANDING	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
X.XX%	GRADING SLOPE	M.E.	MATCH EXISTING

NOTE: SEE GRADING PLAN SHEET 1 FOR LOCATION OF FINISHED PATH AND TOP OF WALL GRADES.



N

1" = 10'

10 0 10 20

SCALE FEET

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	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

GRADING PLAN

SCALE: 1"=10' | SHEET 2 OF 3 SHEETS | STA. 10+00.00 | TO STA. 13+43.82

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	14

PEACE BRIDGE RAMP
ADA RAMP ELEVATION TABLE

POINT:	STATION	OFFSET	TYPE:	ELEVATION
FF	11+64.01	0.00	T/W	675.90
			F/P	663.91
			F/G	674.19
GG	11+64.01	14.00 LT	T/W	666.70
			F/P	664.01
HH	11+84.01	0.00	T/W	674.28
			F/P	662.91
			F/G	672.47
II	11+84.01	14.00 LT	T/W	667.59
			F/P	662.91
JJ	11+89.01	0.00	T/W	673.88
			F/P	662.84
			F/G	672.08
KK	11+89.01	14.00 LT	T/W	667.85
			F/P	662.84
LL	12+00.00	0.00	T/W	672.99
			F/P	662.29
			F/G	671.20
MM	12+00.00	14.00 LT	T/W	668.43
			F/P	662.28
NN	12+00.00	15.00 LT	T/W	668.43
			F/P	667.89
OO	12+00.00	25.00 LT	T/W	669.29
			F/P	667.88
			F/G	669.08
PP	12+09.01	0.00	T/W	672.26
			F/P	661.84
			F/G	670.48
QQ	12+09.01	14.00 LT	T/W	668.91
			F/P	661.84
RR	12+29.01	0.00	T/W	670.64
			F/P	660.84
			F/G	668.99
SS	12+29.01	14.26 LT	T/W	(668.62±)
			F/P	660.84
TT	12+31.84	0.00	T/W	670.41
			F/P	660.80
			F/G	668.92
UU	12+34.01	0.00	T/W	669.97
			F/P	660.77
			F/G	669.16

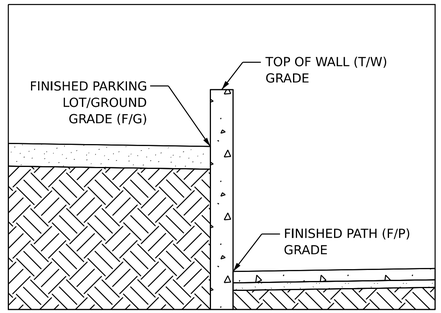
PEACE BRIDGE RAMP
ADA RAMP ELEVATION TABLE

POINT:	STATION	OFFSET	TYPE:	ELEVATION
VV	12+34.01	14.37 LT	T/W	(668.57±)
			F/P	660.77
WW	12+50.00	0.00	T/W	666.71
			F/P	660.10
			F/G	665.61
XX	12+50.00	14.40 LT	T/W	(670.04±)
			F/P	660.02
YY	12+54.01	0.00	T/W	665.89
			F/P	659.93
			F/G	664.96
ZZ	12+54.01	14.41 LT	T/W	(668.86±)
			F/P	659.85
AAA	12+80.00	0.00	T/W	660.58
			F/P	658.84
			F/G	660.44
BBB	12+80.00	14.12 LT	T/W	(659.24±)
			F/P	658.63
CCC	12+83.32	0.00	T/W	659.90
			F/P	658.70
			F/G	659.75
DDD	12+83.32	14.09 LT	T/W	(658.98±)
			F/P	(658.49±)
EEE	12+88.97	0.00	T/W	658.62
			F/P	658.62
FFF	13+04.26	0.00	T/W	658.42
			F/P	658.42
GGG	13+12.26	0.00	T/W	(658.32±)
			F/P	(658.32±)
HHH	10+50.53	0.00	T/W	669.29
			F/P	667.52
			F/G	669.19

GRADING LEGEND / ABBREVIATIONS

	LEVEL LANDING	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
X.XX%	GRADING SLOPE	M.E.	MATCH EXISTING

NOTE: SEE GRADING PLAN SHEET 1 FOR LOCATION OF FINISHED PATH AND TOP OF WALL GRADES.



N

1"=10'
10 0 10 20
SCALE FEET

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	DRAWN - _____	- _____	- _____	
PLOT SCALE =	CHECKED - _____	- _____	- _____	
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	

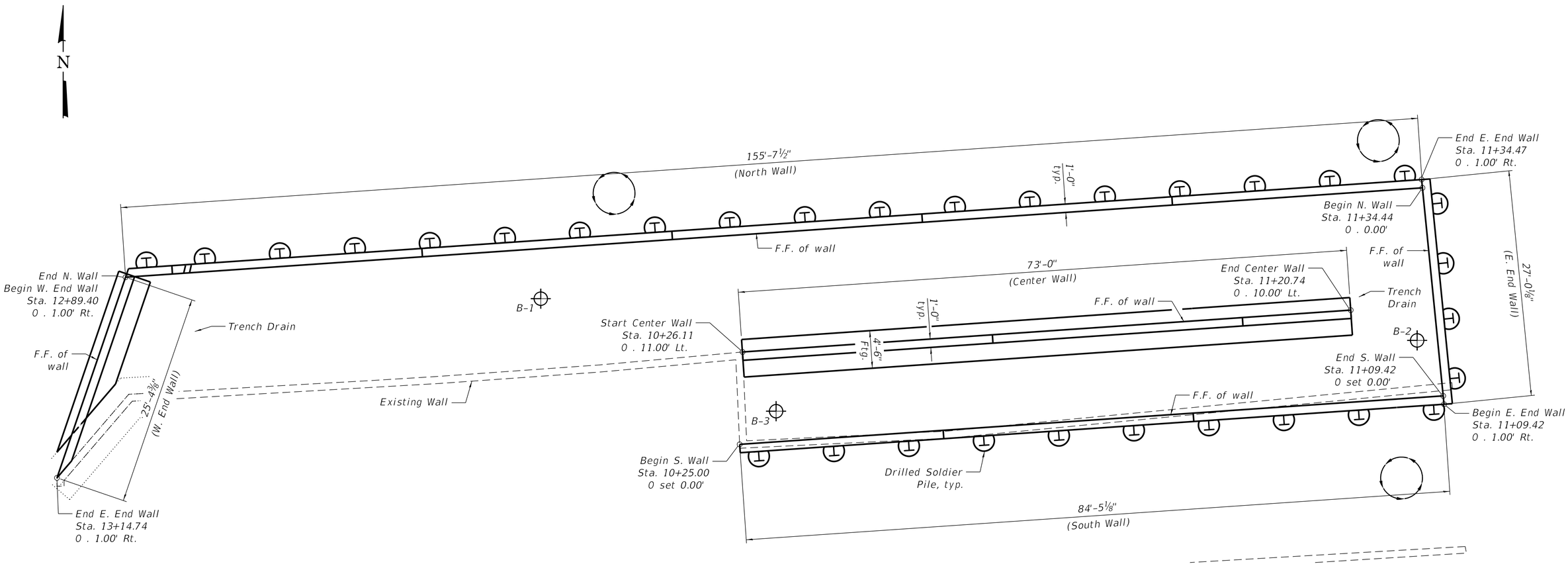
PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

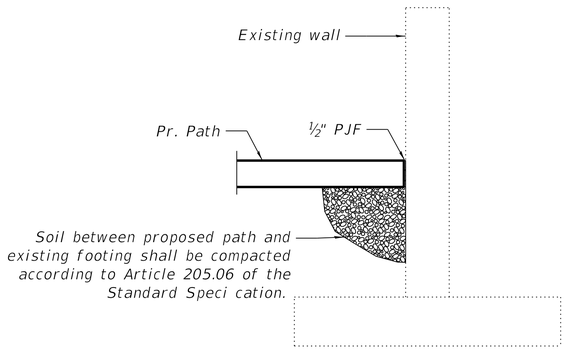
GRADING PLAN

SCALE: 1"=10' | SHEET 3 OF 3 SHEETS | STA. 10+00.00 | TO STA. 13+43.82

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	15



PLAN



EXISTING WALL INTERFACE

INDEX OF SHEETS

NOTES:

1. Station and o sets are called out along the front face of walls.
2. See Drainage and Utility plan on sheet 12 for additional trench drain details.
3. See civil plans for light xture locations attached to front face of walls.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Speci cations, 9th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Piles)

CONSTRUCTION SPECIFICATIONS

Illinois Department of Transportation Supplemental Speci cations and Recurring Special Provisions Adopted Jan. 1, 2024

Illinois Department of Transportation Standard Speci cations For Road and Bridge Construction Adopted Jan. 1, 2022

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	DRAWN - _____	- _____	- _____		
PLOT SCALE =	CHECKED - _____	- _____	- _____		
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA	ILLINOIS

OVERALL PLAN VIEW AND NOTES									
SCALE:	SHEET S1	OF S15	SHEETS	STA.	TO STA.	COUNTY	TOTAL SHEETS	SHEET NO.
						KANE	51	16

CAST-IN-PLACE CONCRETE CONSTRUCTION

1. ALL CAST IN PLACE CONCRETE WORK AND REINFORCING STEEL WORK SHALL BE IN ACCORDANCE WITH SECTIONS 503 AND 508 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 1, 2022 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS EXCEPT AS MODIFIED BY THE CONTRACT PLANS OR CONTRACT SPECIFICATIONS. IN THE EVENT OF A DISCREPANCY, THE CONTRACT PLANS OR CONTRACT SPECIFICATIONS SHALL GOVERN.

2. ALL EXPOSED CONCRETE EDGES SHALL HAVE A ¾" x 45° CHAMFER, EXCEPT WHERE SHOWN OTHERWISE. CHAMFER ON VERTICAL EDGES SHALL BE CONTINUED A MINIMUM OF ONE FOOT BELOW FINISHED GROUND LEVELS.

3. ALL EXPOSED SURFACES OF NEW CAST IN PLACE CONCRETE CONSTRUCTION ON THE FRONT FACE OF EACH WALL SHALL BE GIVEN A RUBBED FINISH AND SEALED WITH PROTECTIVE CONCRETE SEALER. FOR CONCRETE SURFACES EXTENDING BELOW GRADE, THE RUBBED FINISH SHALL EXTEND 1'-0" BELOW THE PROPOSED FINISH GRADE. AT THE FRONT FACE OF WALL. SEE SHEET S11 FOR RUBBED FINISHED LOCATIONS.

4. ALL EXPOSED SURFACES OF NEW CAST IN PLACE CONCRETE CONSTRUCTION ON THE BACK FACE OF EACH WALL SHALL BE FORMED USING A FORM LINER. ALL EXPOSED SURFACES SHALL BE SEALED WITH PROTECTIVE CONCRETE SEALER. FOR CONCRETE SURFACES EXTENDING BELOW GRADE, THE FORM LINER FINISH SHALL EXTEND 1'-0" BELOW THE PROPOSED FINISH GRADE AT THE BACK FACE OF WALL. SEE SHEET S11 FOR FORM LINER LOCATIONS.

5. ALL CONSTRUCTION JOINTS SHALL BE BONDED ACCORDING TO ARTICLE 503.09 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 1, 2022 AND RECURRING SPECIAL PROVISIONS.

CONSTRUCTION

1. CONTRACTOR SHALL NOT SCALE DIMENSIONS FROM THE CONTRACT PLANS FOR CONSTRUCTION PURPOSES. SCALES SHOWN ARE FOR INFORMATION ONLY.

2. NO CONSTRUCTION JOINTS EXCEPT THOSE SHOWN ON THE PLANS, WILL BE ALLOWED UNLESS APPROVED BY THE ENGINEER.

3. NO CONCRETE CUTTING WILL BE PERMITTED UNTIL THE REMOVAL LIMITS HAVE BEEN OUTLINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

4. THE CONTRACTOR SHALL USE CARE WHEN EXCAVATING AROUND EXISTING FOUNDATIONS. ANY DAMAGE TO THE EXISTING STRUCTURE AND/OR SUPPORTING FOUNDATION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE CLIENT.

REINFORCEMENT BARS

1. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 (ASTM A706), GRADE 60, DEFORMED BARS.

2. REINFORCEMENT BAR BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315.

3. COVER FROM THE FACE OF CONCRETE TO FACE OF REINFORCEMENT BARS SHALL BE 3" FOR SURFACES FORMED AGAINST EARTH AND 2" FOR ALL OTHER SURFACES UNLESS OTHERWISE SHOWN.

4. REINFORCEMENT BAR BENDING DIMENSIONS ARE OUT TO OUT.

5. ALL REINFORCEMENT BARS SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED.

6. MINIMUM BAR LAPS FOR EPOXY COATED REINFORCEMENT; #4 BAR = 1'-8", #5 BAR = 2'-1"

RETAINING WALL CONSTRUCTION:

1. ALL RETAINING WALL WORK SHALL BE IN ACCORDANCE WITH SECTION 522 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION , JANUARY 1, 2022 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS EXCEPT AS MODIFIED AS BY THE CONTRACT PLANS OR CONTRACT SPECIFICATIONS. IN THE EVENT OF A DISCREPANCY, THE CONTRACT PLANS OR CONTRACT SPECIFICATIONS SHALL GOVERN.

2. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND PERFORCMENTS OF THE LAGGINF SYSTEM. FOR WOOD LAGGING, USING NO LESS THAN A 3 IN. NOMINAL ROUGH-SAWN THICKNESS AND TIMBER WITH A MINIMUM ALLOWABLE BENDING STRESS OF 1000 PSI, UNTIL THE CONCRETE FACING IS INSTALLED. THE CONTRACTOR SHALL UTILIZE STEEL LAGGING IF WOOD LAGGING CAPACITY IS NOT SUFFICIENT. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND DETAILS PREPARED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER FOR APPROVAL BY THE ENGINEER.

3. ALL STRUCTURAL STEEL SHALL BE ASTM A572 GRADE 50.

4. SOLDIER PILES SHALL BE CLEANED AND GIVEN ONE SHOP COAT OF INORGANIC ZINC RICH PRIMER. COST INCLUDED WITH FURNISHING SOLDIER PILES (W SECTION).

GENERAL NOTES TO CONTRACTOR:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DIMENSIONS, ELEVATIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO BIDDING, ORDERING OF MATERIALS AND/OR STARTING CONSTRUCTION. SUCH VARIATION WILL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF WORK.

2. ANY DISCREPANCIES, CONFLICTS, OR AMBIGUITIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF ADDITIONAL COSTS REGARDING THE ABOVE ITEMS.

3. THE CONTRACTOR SHALL PROTECT THE PUBLIC, TRAFFIC, EXISTING UTILITIES, EXISTING STRUCTURES AND ABUTTING PROPERTY DURING THE CONSTRUCTION. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR FROM THE EXPENSE OF THE REPAIR AND/OR THE REPLACEMENT OF THESE ITEMS.

4. ALL DRILLED SOLDIER PILES SHALL BE EMBEDDED A MINIMUM OF 5 FEET INTO BEDROCK. ALL SPREAD FOOTINGS SHALL BE EMBEDDED A MINIMUM OF 6 INCHES INTO SOLID BEDROCK. PRIOR TO CONSTRUCTION THE BEDROCK CONDITIONS SHALL BE VERIFIED WITH A ROCK CORE.

5. CONSTRUCTION ACTIVITIES SHALL NOT EXCEED THE ASSUMED SURCHARGE OF 250 PSF.

6. ANY WORK SPECIFIED BUT NOT ADDRESSED BY THE CONTRACT PLANS OR CONTRACT SPECIFICATIONS SHALL BE CONSTRUCTED ACCORDING TO THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 1, 2022 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

7. FORM LINER TO BE FINALIZED AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION. FORM LINER SHALL HAVE RECESSES NO GREATER THAN 3/4" DEEP AND SHALL MAINTAIN A CONCRETE COVER OF 1.5" AT RECESSED LOCATIONS.

8. ANY STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIAL BEHIND WALL IS NOT ALLOWED.

USACE REQUIREMENTS FOR IN-STREAM CONSTRUCTION ACTIVITIES

1. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATIONS.

2. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NONERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE LINER, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.

3. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER FLOWING WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	1.6
Structure Excavation	Cu. Yd.	2722.1
Concrete Structures	Cu. Yd.	0.3
*Concrete Structures (Concrete Facing)	Cu. Yd.	93.5
Concrete Structures (Retaining Walls)	Cu. Yd.	30.1
Form Liner Textured Surface	Sq. Ft.	2652.3
Protective Coat	Sq. Yd.	398.7
Stud Shear Connectors	Each	284
Reinforcement Bars, Epoxy Coated	Pound	15,680
Name Plates	Each	1
Furnishing Soldier Piles (W Section)	Foot	520
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	607.3
Drilling and Setting Soldier Piles (In Rock)	Cu. Ft.	785.4
Untreated Timber Lagging	Sq. Ft.	1962.8
Geocomposite Wall Drain	Sq. Yd.	273.7
Pipe Underdrains For Structures 4"	Foot	362
Railing Type A	Foot	23.5
Railing Type C	Foot	335.5

* The cost of reinforcement bars in concrete facing shall be included in the cost of Concrete Structures (Concrete Facing).

LIST OF ABBREVIATIONS AND SYMBOLS

℄	CENTERLINE
○	DIAMETER
±	APPROXIMATELY
Ⓒ	CONSTRUCTION JOINT
PROP.	PROPOSED
E.F.	EACH FACE
TYP.	TYPICAL
STA.	STATION
OFF.	OFFSET
ELEV.	ELEVATION
CONST.	CONSTRUCTION
JT.	JOINT
CTS.	CENTERS
CL.	CLEAR COVER
MIN.	MINIMUM
FT.	FEET
LT.	LEFT
RT.	RIGHT
CLSM	CONTROLLED LOW STRENGTH MATERIAL
F/G	FINISHED GRADE
FTG.	FOOTING
F.F.	FRONT FACE
B.F.	BACK FACE

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PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

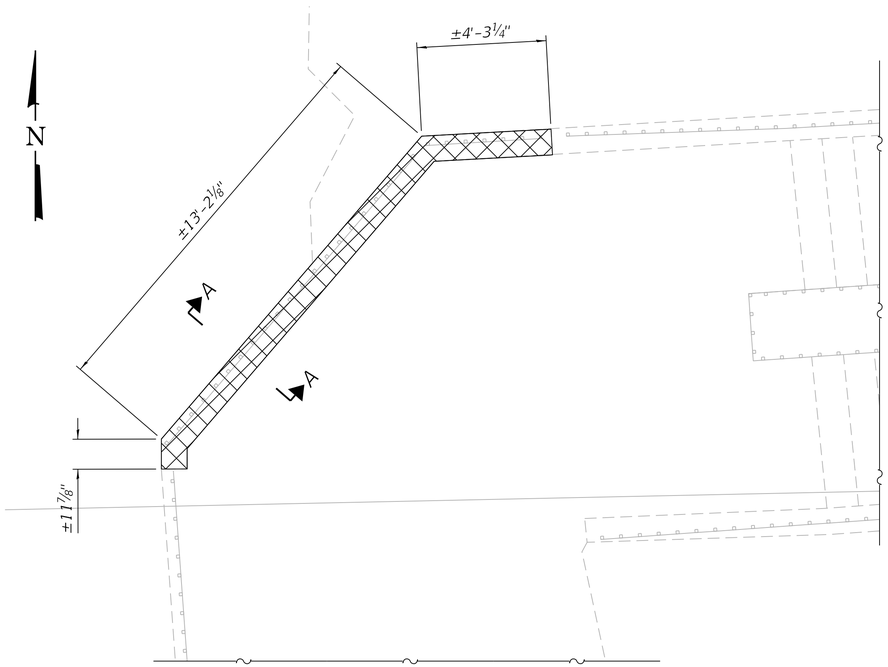
PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

GENERAL NOTES

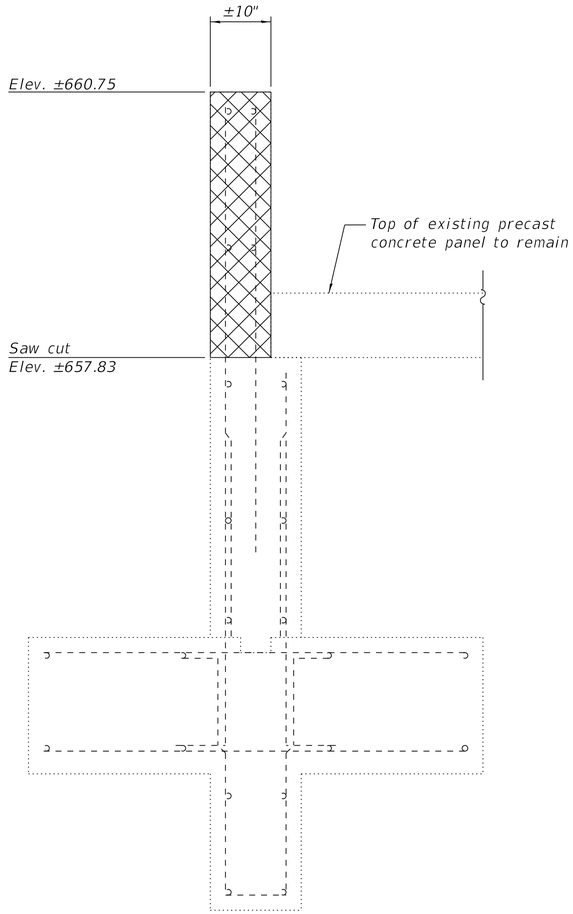
SCALE: | SHEET S2 OF S15 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	17



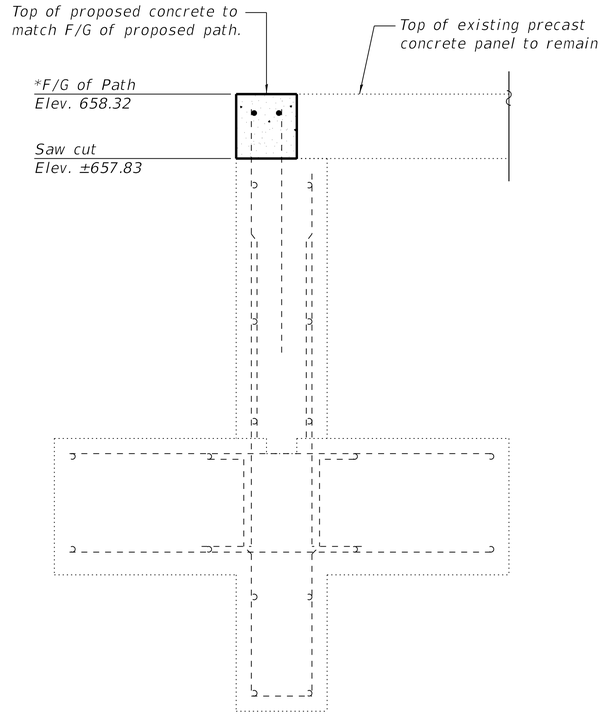
PLAN

(Showing removal of existing north abutment backwall)



SECTION A-A

(Showing removal)



SECTION A-A

(Showing concrete replacement)

* See grading plan for additional grading information.

LEGEND

Concrete Removal

Proposed Concrete

Notes:

Concrete removal shall be according to Article 501.05 of the IDOT Standard Speci cation for Road and Bridge Construction.

Existing reinforcement bars extending into the removal area shall be cut 2" below the proposed nished grade of path. Reinforcement to remain shall be blast cleaned to gray metal and straightened.

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	1.6
Concrete Structures	Cu. Yd.	0.3

MODEL: Default
FILE NAME: N:\2024\241108\Drawings\Master\CADD_Sheets\D1241108-eht-structural01.dgn

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PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

BATAVIA

PEDESTRIAN RAMP AT PEACE BRIDGE

ILLINOIS

STRUCTURAL REMOVAL AND REPLACEMENT

SCALE: | SHEET S3 OF S15 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
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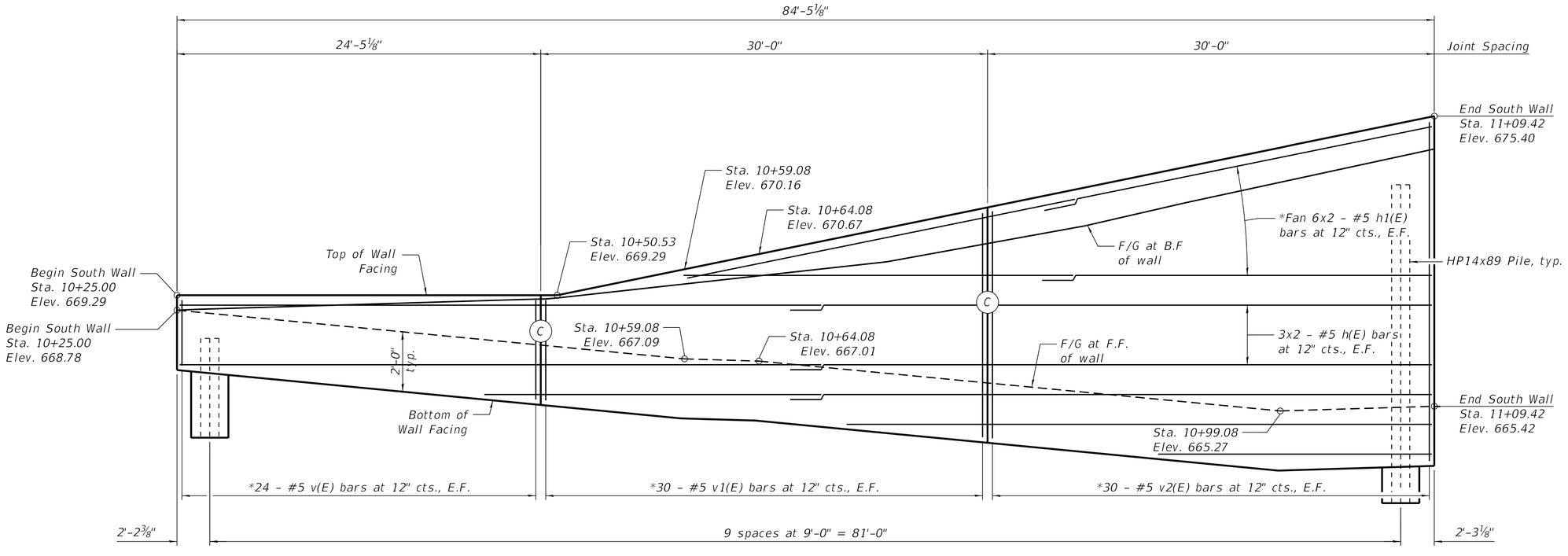
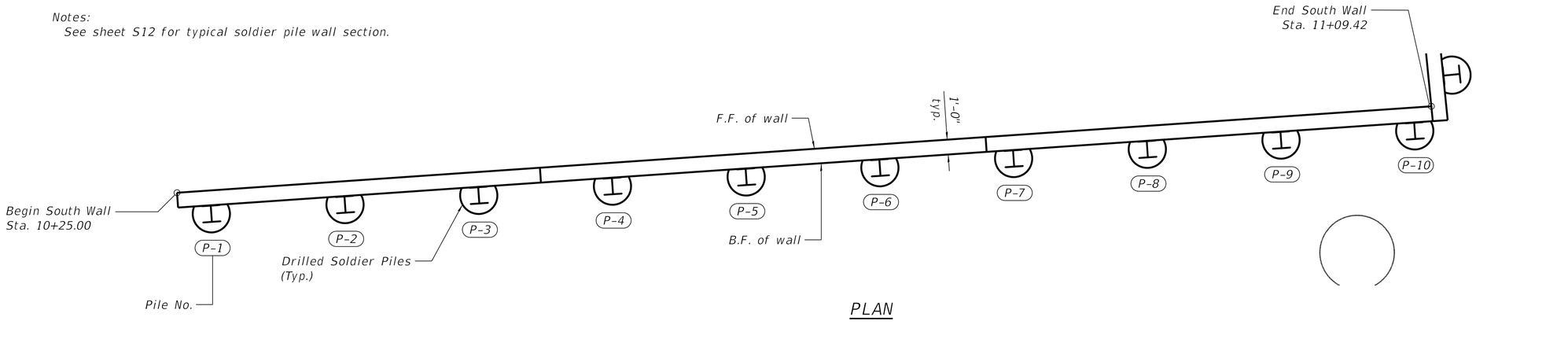


ELEVATION

* Cut to t

Notes:
See sheet S12 for typical soldier pile wall section.



PLAN

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PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE
BATAVIA ILLINOIS

SOUTH WALL PLAN AND ELEVATION
SCALE: SHEET S4 OF S15 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	19

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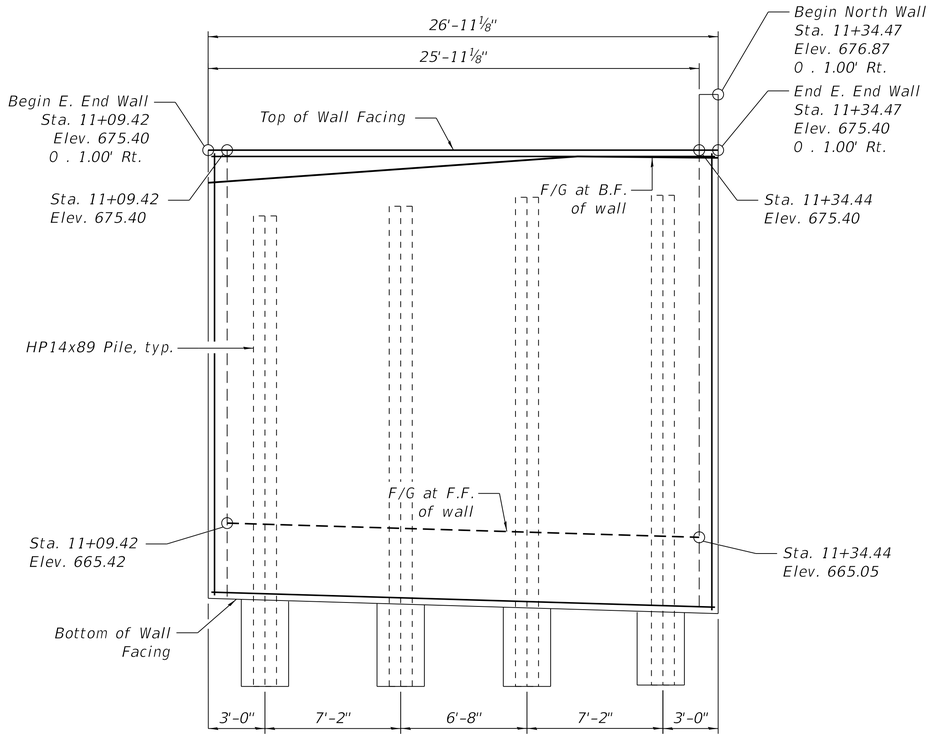
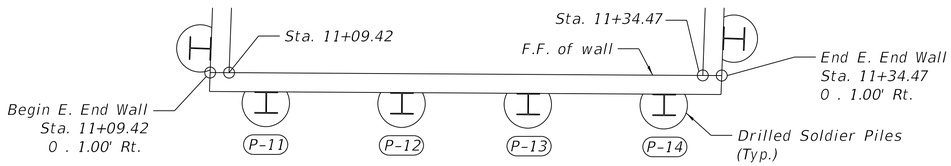


ELEVATION



PLAN

N

Notes:
See sheet S12 for typical soldier pile wall section.

MODEL: Default
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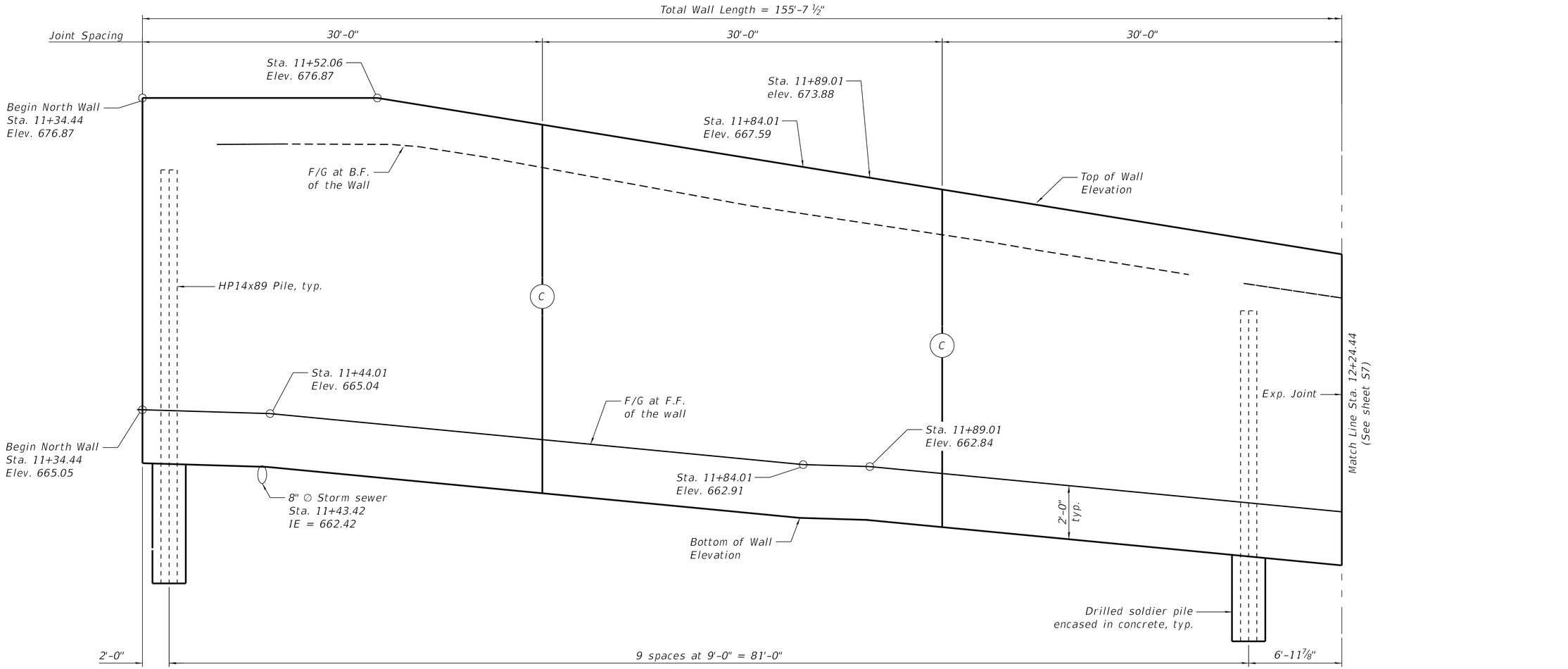
	DRAWN - _____	- _____	- _____	
PLOT SCALE =	CHECKED - _____	- _____	- _____	
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA ILLINOIS

EAST END WALL PLAN AND ELEVATION

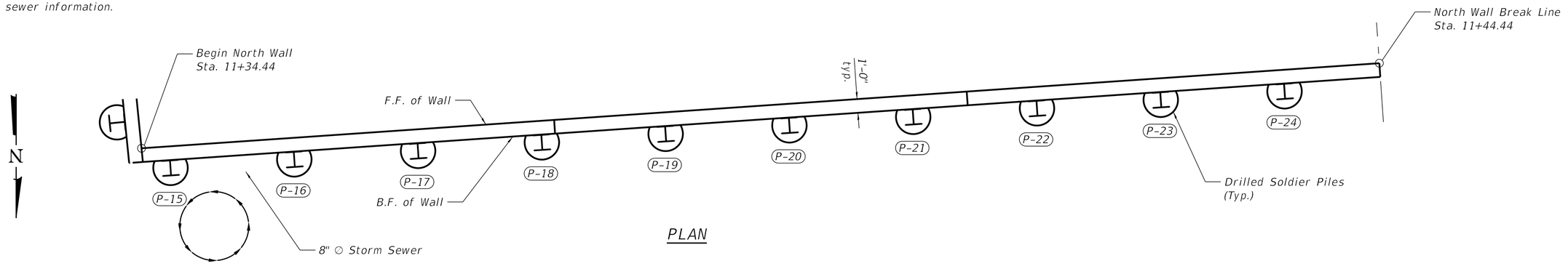
SCALE: | SHEET S5 OF S15 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	20



ELEVATION

Notes:
See sheet S12 for typcial soldier pile wall section.
See Drainage and Utility Plan sheet for additional storm sewer information.



PLAN

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PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

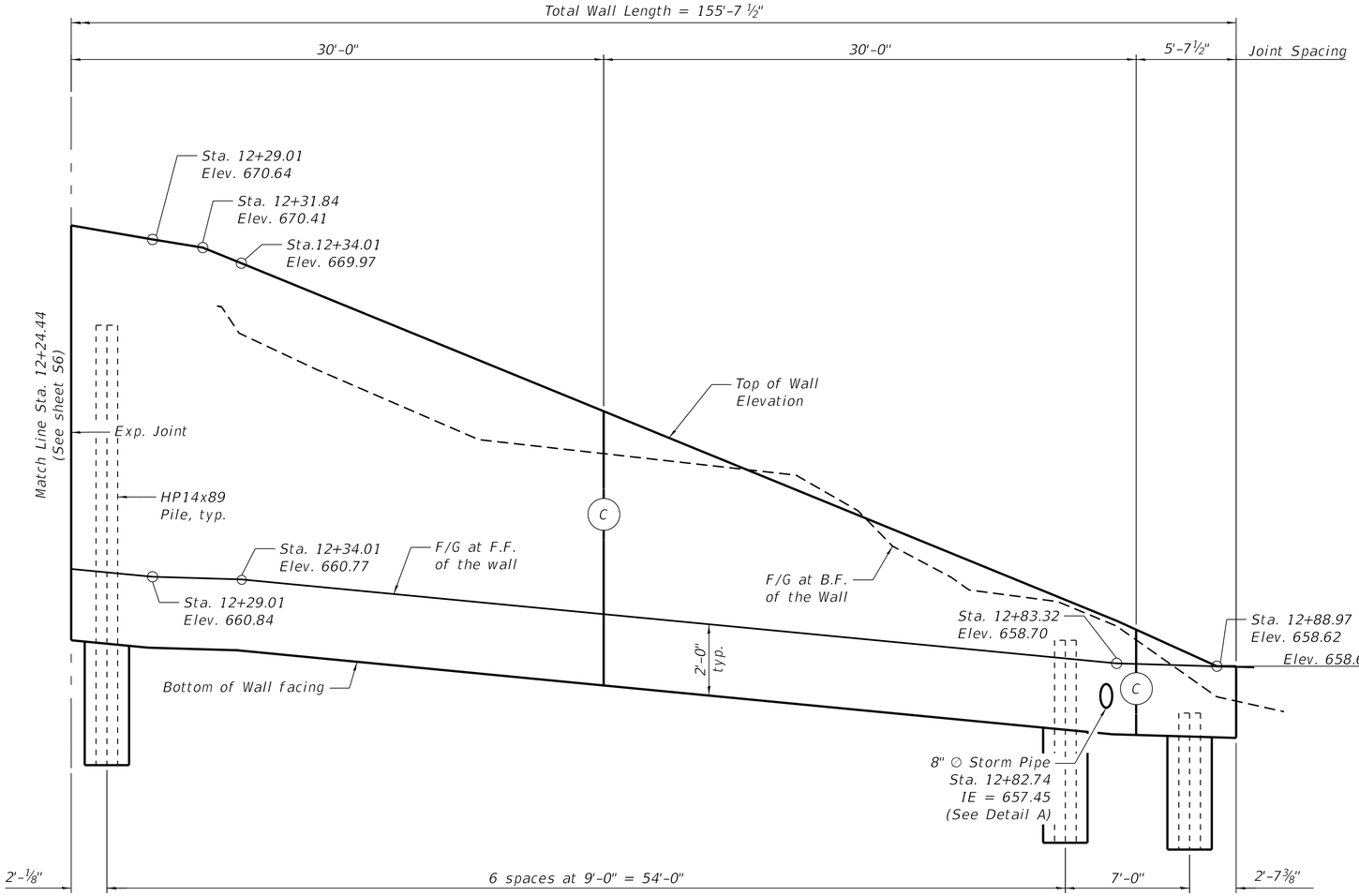
BATAVIA ILLINOIS

PEDESTRIAN RAMP AT PEACE BRIDGE

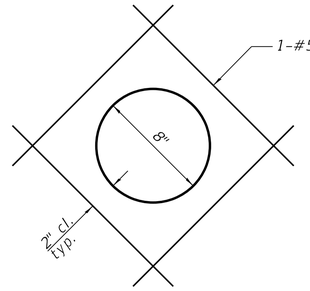
NORTH WALL PLAN AND ELEVATION I

SCALE: | SHEET S6 OF S15 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	21

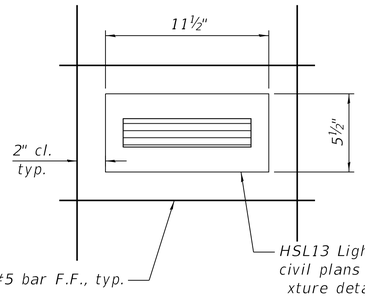


ELEVATION



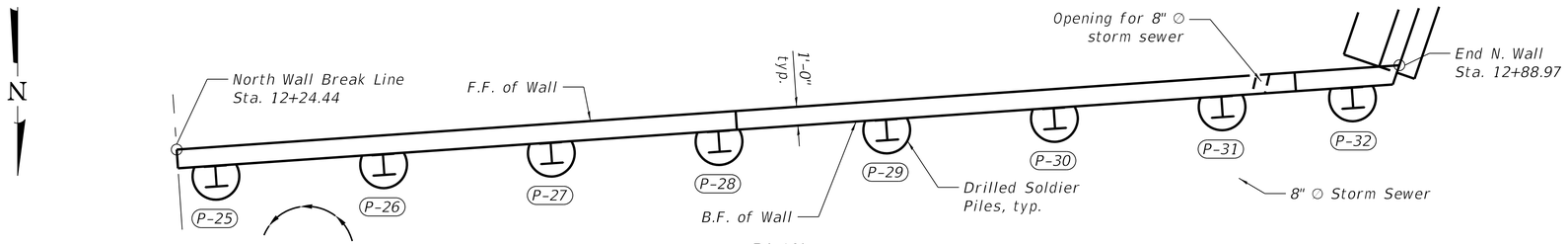
DETAIL A

Note:
Cut reinforcement in concrete face to clear opening for storm pipe.



LIGHT FIXTURE DETAIL

Note:
Cut reinforcement in concrete face to clear light xture.



PLAN

Notes:
See sheet S12 for typcial soldier pile wall section.
See Drainage and Utility Plan sheet for additional storm sewer information.
See civil plans for light xture locations.

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PLOT SCALE =	CHECKED -	-	-
PLOT DATE = 3/12/2025	DATE -	-	-

BATAVIA

PEDESTRIAN RAMP AT PEACE BRIDGE

ILLINOIS

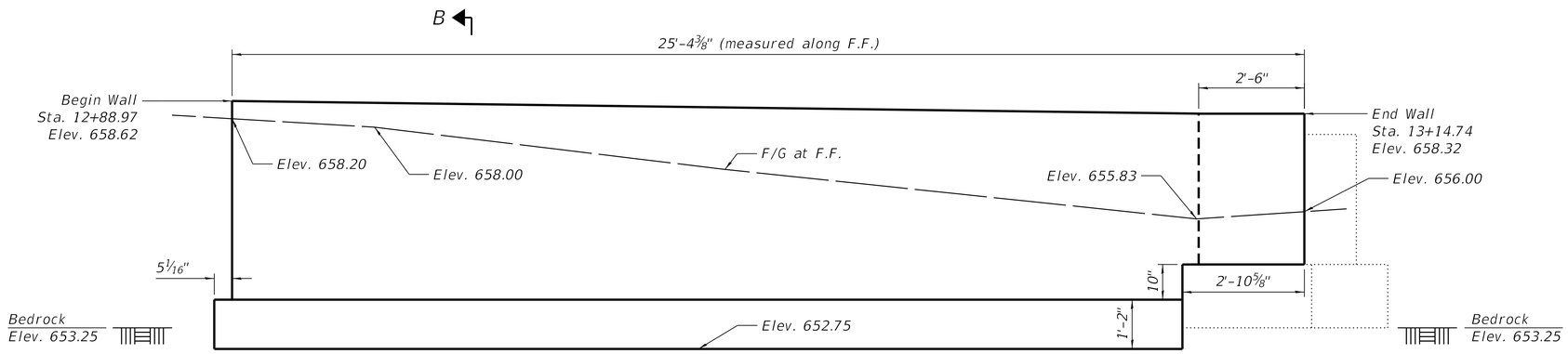
NORTH WALL PLAN AND ELEVATION II

SCALE: | SHEET S7 OF S15 SHEETS | STA. | TO STA.

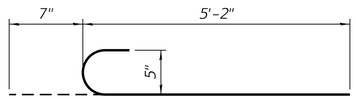
COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	22

WEST END WALL BAR LIST

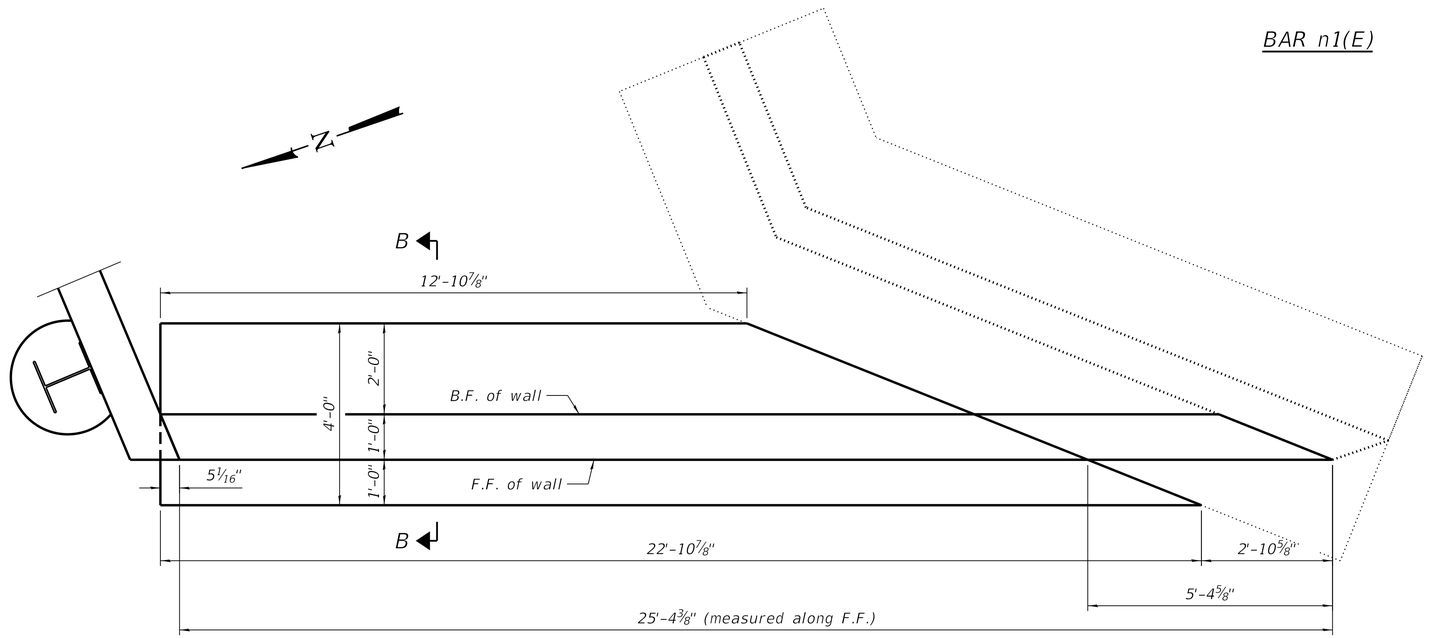
Bar	No.	Size	Length	Shape
d(E)	18	#4	5'-10"	⊓
h3(E)	10	#5	25'-0"	——
n1(E)	26	#5	5'-9"	⊂——
t1(E)	24	#5	3'-8"	——
v4(E)	26	#5	4'-4"	——
w5(E)	4	#5	22'-7"	——



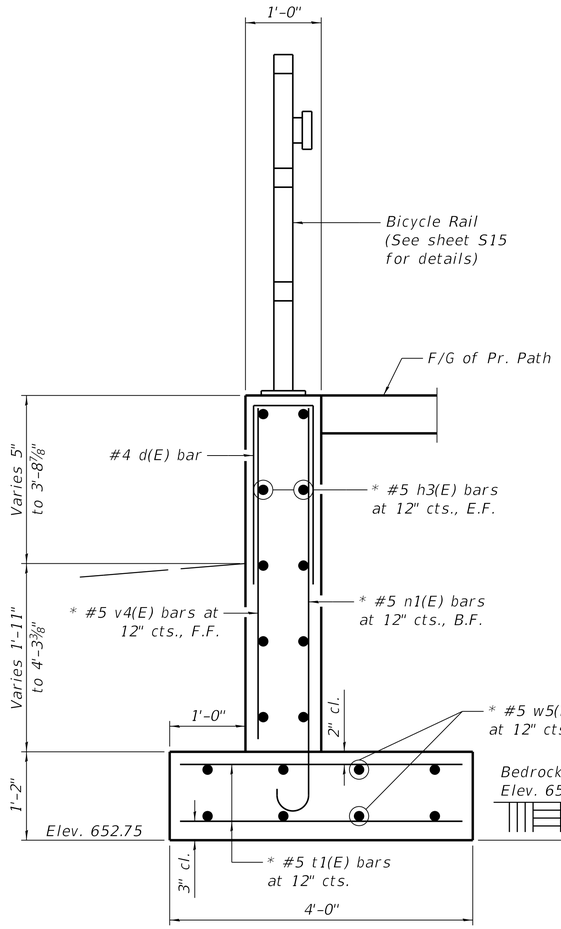
ELEVATION



BAR n1(E)



PLAN



SECTION B-B

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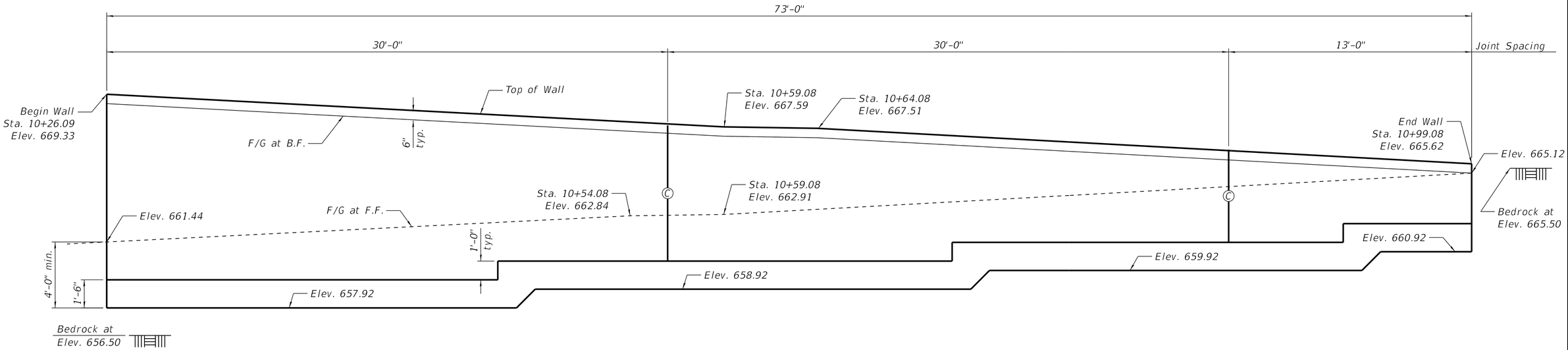
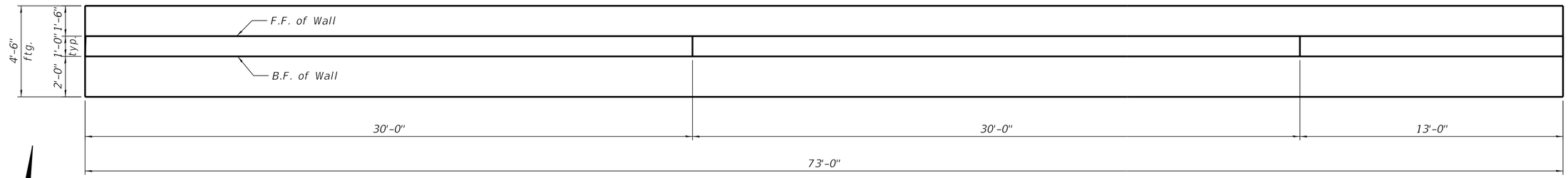
	DRAWN - _____	- _____	- _____		
PLOT SCALE =	CHECKED - _____	- _____	- _____		
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA ILLINOIS	SCALE: SHEET S8 OF S15 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	23



ELEVATION
(Looking North)



PLAN

Notes:
See Sheet S14 for center wall details.

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PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE
BATAVIA ILLINOIS

CENTER WALL PLAN AND ELEVATION I
SCALE: SHEET S9 OF S15 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	24

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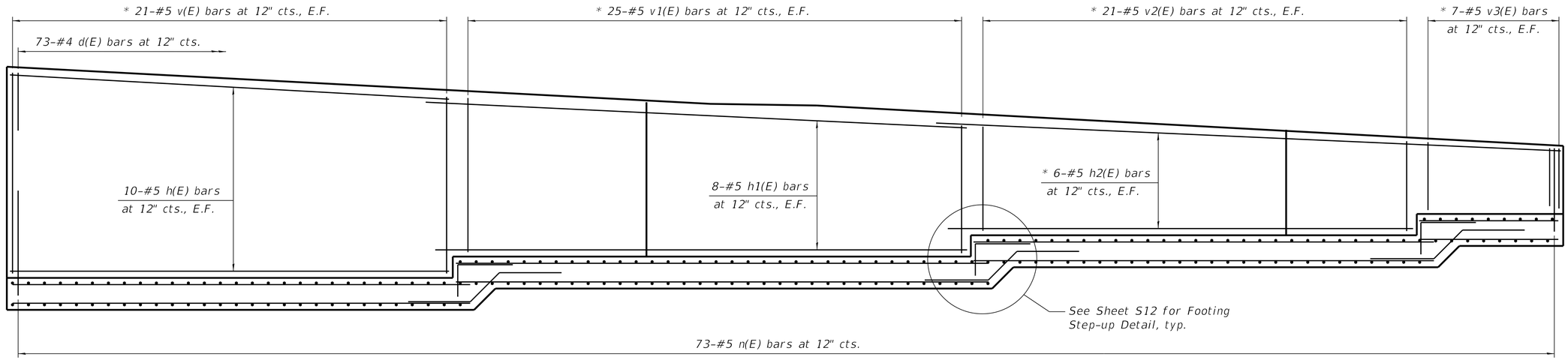
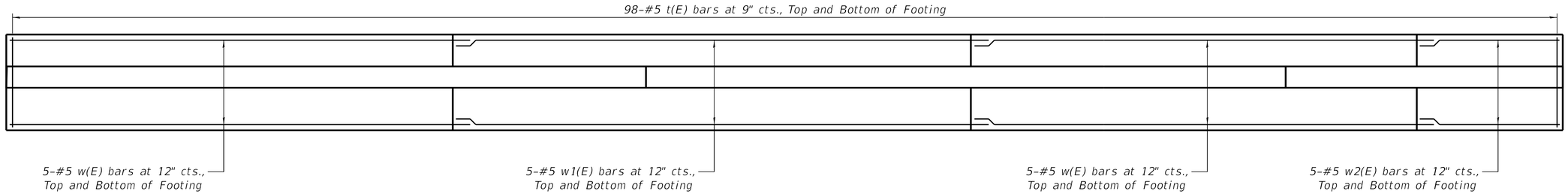


ELEVATION

Notes:
See Sheet S14 for center wall details and bar list.



PLAN

* Cut to t

MIN. BAR LAPS

#4 Bars = 1'-8"
#5 Bars = 2'-1"

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	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE
BATAVIA ILLINOIS

CENTER WALL PLAN AND ELEVATION II
SCALE: SHEET S10 OF S15 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	25

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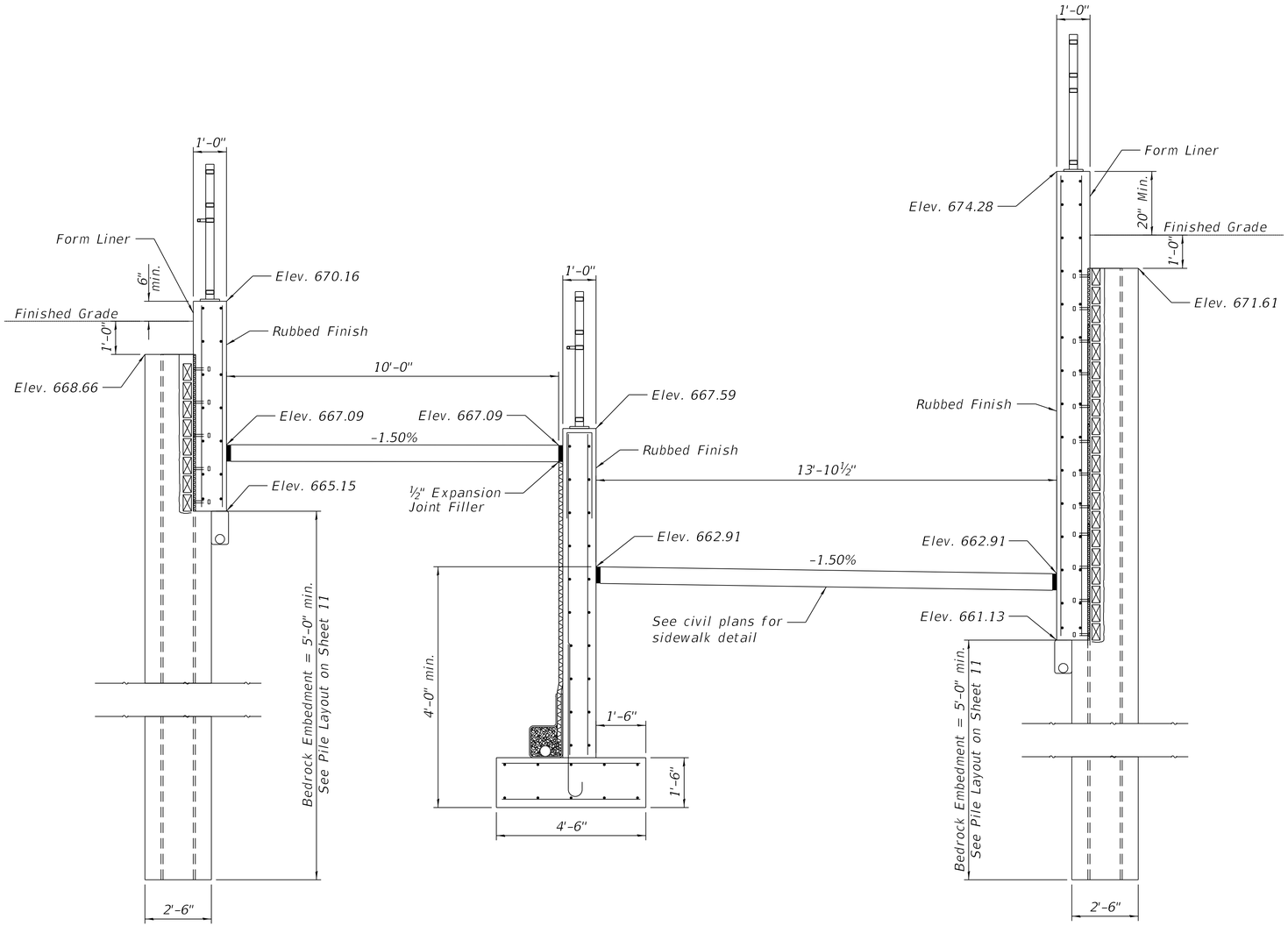

CROSS SECTION

Elevations vary and are shown for Sta. 10+59.08 only

SOLDIER PILE DATA

Pile	Station at Working Point	Top of Pile Elevation	Bottom of Wall Elevation	Section	Auger Diameter	Pile Tip Elevation	Pile Length
P-01	10+27.20	667.83	666.68	HP14X89	2'-6"	651.50	16.33'
P-02	10+36.20	667.98	666.25	HP14X89	2'-6"	651.50	16.48'
P-03	10+45.20	668.11	665.82	HP14X89	2'-6"	651.50	16.60'
P-04	10+54.20	668.40	665.38	HP14X89	2'-6"	651.50	16.90'
P-05	10+63.20	668.89	665.09	HP14X89	2'-6"	651.50	17.39'
P-06	10+72.20	669.38	664.69	HP14X89	2'-6"	651.50	17.88'
P-07	10+81.20	670.18	664.26	HP14X89	2'-6"	651.50	18.68'
P-08	10+90.20	671.10	663.83	HP14X89	2'-6"	651.50	19.60'
P-09	10+99.20	672.09	663.40	HP14X89	2'-6"	651.50	20.59'
P-10	11+08.20	673.06	663.54	HP14X89	2'-6"	651.50	21.56'
P-11	11+11.39	673.65	663.53	HP14X89	2'-6"	651.50	22.15'
P-12	11+18.56	673.90	663.42	HP14X89	2'-6"	651.50	22.40'
P-13	11+25.23	674.14	663.32	HP14X89	2'-6"	651.50	22.64'
P-14	11+32.41	674.21	663.28	HP14X89	2'-6"	651.50	22.71'
P-15	11+36.44	674.18	663.15	HP14X89	2'-6"	658.15	16.02
P-16	11+45.44	674.15	662.96	HP14X89	2'-6"	657.96	16.19
P-17	11+54.44	674.07	662.53	HP14X89	2'-6"	657.53	16.54
P-18	11+63.44	673.35	662.10	HP14X89	2'-6"	657.10	16.25
P-19	11+72.44	672.53	661.67	HP14X89	2'-6"	656.67	15.86
P-20	11+81.44	671.73	661.24	HP14X89	2'-6"	656.24	15.49
P-21	11+90.44	671.05	660.97	HP14X89	2'-6"	655.83	15.21
P-22	11+99.44	670.35	660.54	HP14X89	2'-6"	655.06	15.29
P-23	12+08.44	669.61	660.11	HP14X89	2'-6"	654.28	15.33
P-24	12+17.44	668.89	659.68	HP14X89	2'-6"	653.50	15.39
P-25	12+26.44	668.22	659.25	HP14X89	2'-6"	652.73	15.50
P-26	12+35.44	666.63	658.99	HP14X89	2'-6"	651.95	14.68
P-27	12+44.44	664.63	658.56	HP14X89	2'-6"	650.51	13.13
P-28	12+53.44	663.66	658.12	HP14X89	2'-6"	650.51	12.16
P-29	12+62.44	663.16	657.69	HP14X89	2'-6"	650.51	11.66
P-30	12+71.44	660.81	657.26	HP14X89	2'-6"	650.51	9.31
P-31	12+80.44	659.35	656.83	HP14X89	2'-6"	650.51	7.85
P-32	12+87.44	657.30	656.64	HP14X89	2'-6"	650.51	5.80

MODEL: Default
FILE NAME: N:\2024\24110\8\Drawings\Mstr\CADD_Sheets\D1241108-sht-structural01.dgn

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Woodridge, IL 60517
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630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____
	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

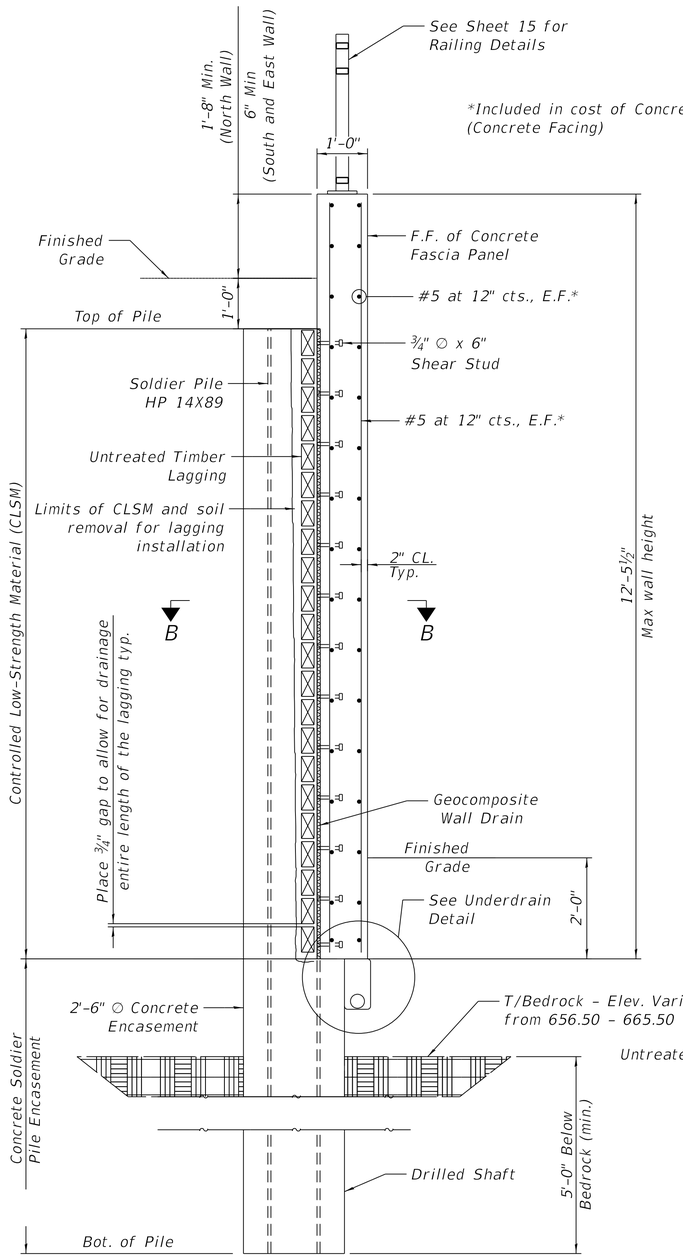
PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

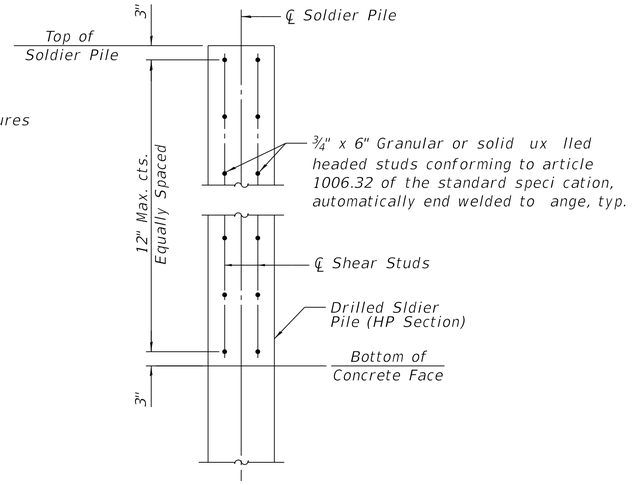
CROSS SECTIONS

SCALE: | SHEET S11 OF S15 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	26

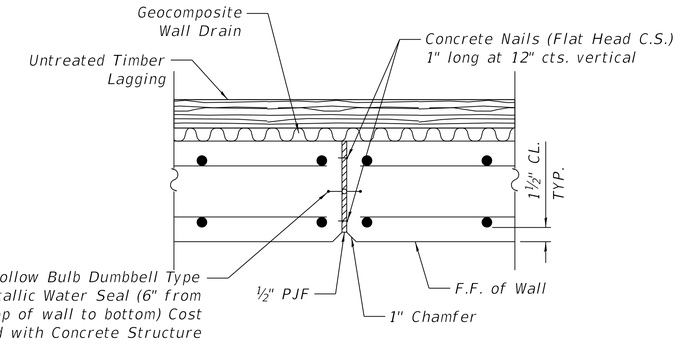


TYPICAL SOLDIER PILE WALL CROSS SECTION

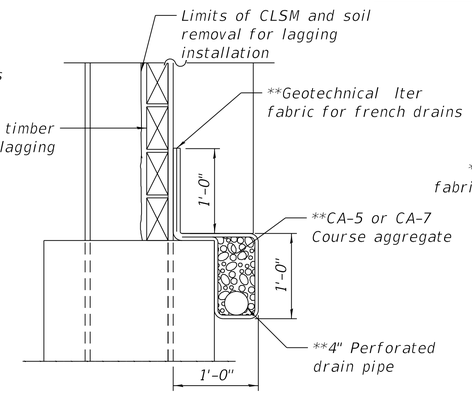


SHEAR STUD CONNECTION DETAIL (STUDS)

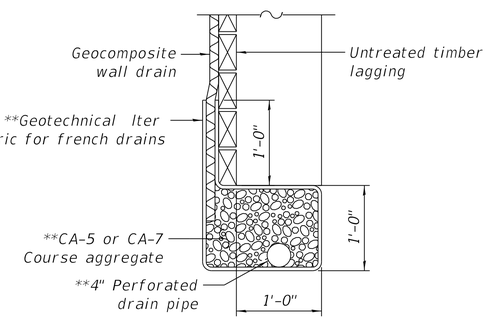
Note: Use a minimum of 4 studs per pile



EXPANSION JOINT



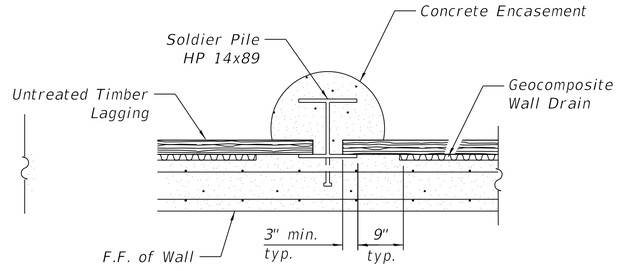
AT SOLDIER PILES



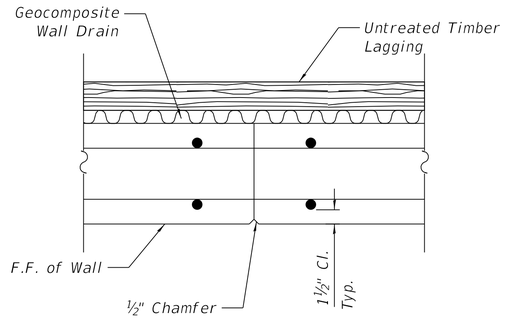
BETWEEN SOLDIER PILES

UNDERDRAIN DETAIL

**Included in the cost of Pipe Underdrain for Structure



SECTION B-B



CONSTRUCTION JOINT

GENERAL NOTES:

1. Structure Excavation is measured 2'-0" from the front face of wall to back of the soldier pile timber lagging

2. The Contractor is responsible for the design and performance of the lagging system. For Wood Lagging, using no less that 3" nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi, until the correct facing is installed. The Contractor shall utilize Steel Lagging if Wood Lagging capacity is not su cient especially where the pile spacings exceed 7'-6". The Contractor shall submit design calculations and details prepared by an Illinois Licensed Structural Engineer for approval by the Engineer.

3. The geocomposite wall drain shall be placed behind the lagging with the previous side toward the soil according to Section 591 of the Standard Speci cations and shall be centered between the piles. The drain shall be installed in stages as the excavation proceeds downward making sure that drain splices as well as the top side edges are covered as required to protect the drain. Thickness shall not be greater than $1\frac{1}{16}$".

4. Stud shear connectors shall be ¾" Ø x 6" granular or solid ux lled headed studs, conforming to Article 1006.32 of the Standard Speci cations, automatically end welded to the front ange of the soldier piles.

5. See Sheet 11 for Table of Soldier Pile Data.

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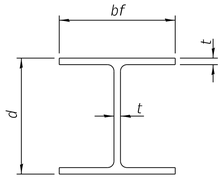
USER NAME = mfortmann	DESIGNED -	-	-	PEDESTRIAN RAMP AT PEACE BRIDGE	SOLDIER PILE WALL DETAILS I
	DRAWN -	-	-		
PLOT SCALE =	CHECKED -	-	-		
PLOT DATE = 3/12/2025	DATE -	-	-	BATAVIA ILLINOIS	SCALE: SHEET S12 OF S15 SHEETS STA. TO STA.

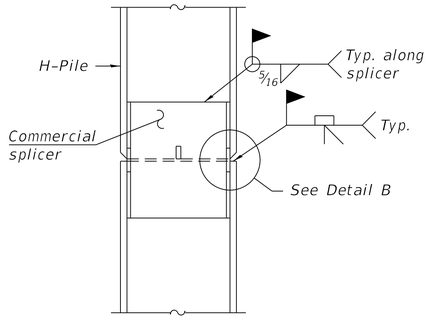
COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	27

MODEL: Default
FILE NAME: N:\2024\241108\Drawings\Master\CADD_Sheets\D1241108-sht-structural01.dgn

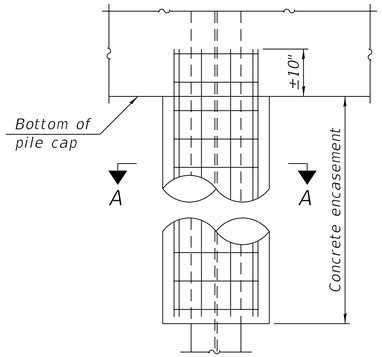


STEEL PILE TABLE

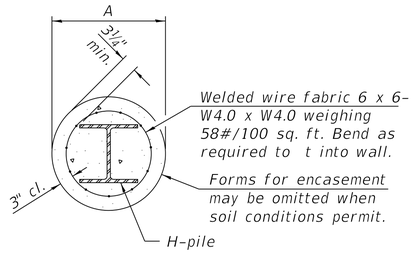
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x89	13 7/8"	14 3/4"	5/8"	30"



ELEVATION



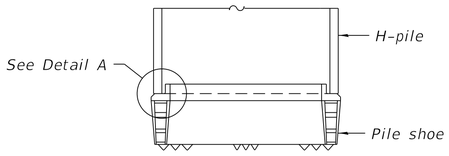
ELEVATION



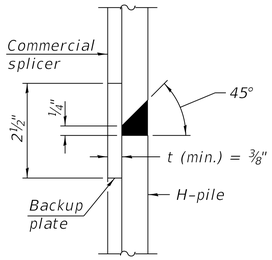
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

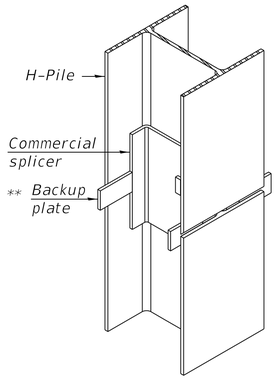
(when speci ed)



ELEVATION

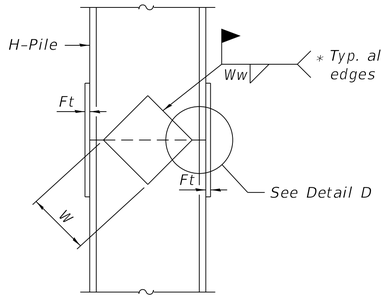


DETAIL "B"

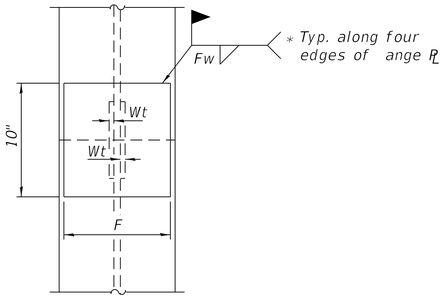


ISOMETRIC VIEW

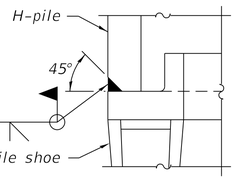
WELDED COMMERCIAL SPLICE



ELEVATION

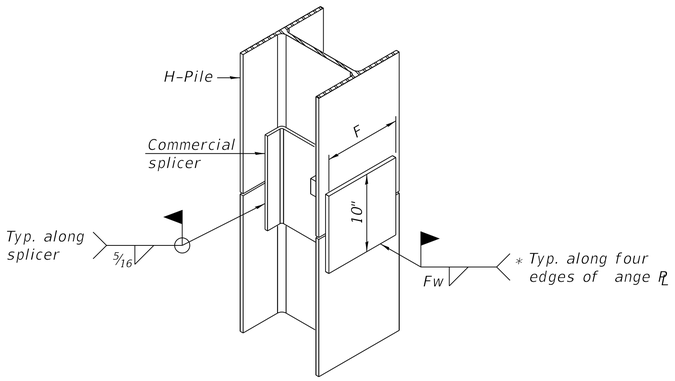


END VIEW

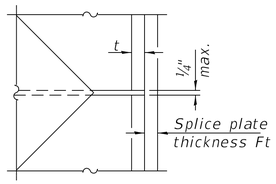


DETAIL A

SHOE ATTACHMENT



ISOMETRIC VIEW



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

WELDED COMMERCIAL SPLICE ALTERNATE

* Interrupt welds 1/4" from end of web and/or each ange.

** Remove portions of backup plates that extend outside the anges.

*** Weld size per pile shoe manufacturer (5/16" min.).

WELDED PLATE FIELD SPLICE

F-HP 2-1-2023

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630.724.9202 fax
www.v3co.com

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	DRAWN -	-	-
PLOT SCALE =	CHECKED -	-	-
PLOT DATE = 3/12/2025	DATE -	-	-

BATAVIA ILLINOIS

PEDESTRIAN RAMP AT PEACE BRIDGE

SOLDIER PILE WALL DETAILS II

SCALE: SHEET S13 OF S15 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	28

MODEL: Default
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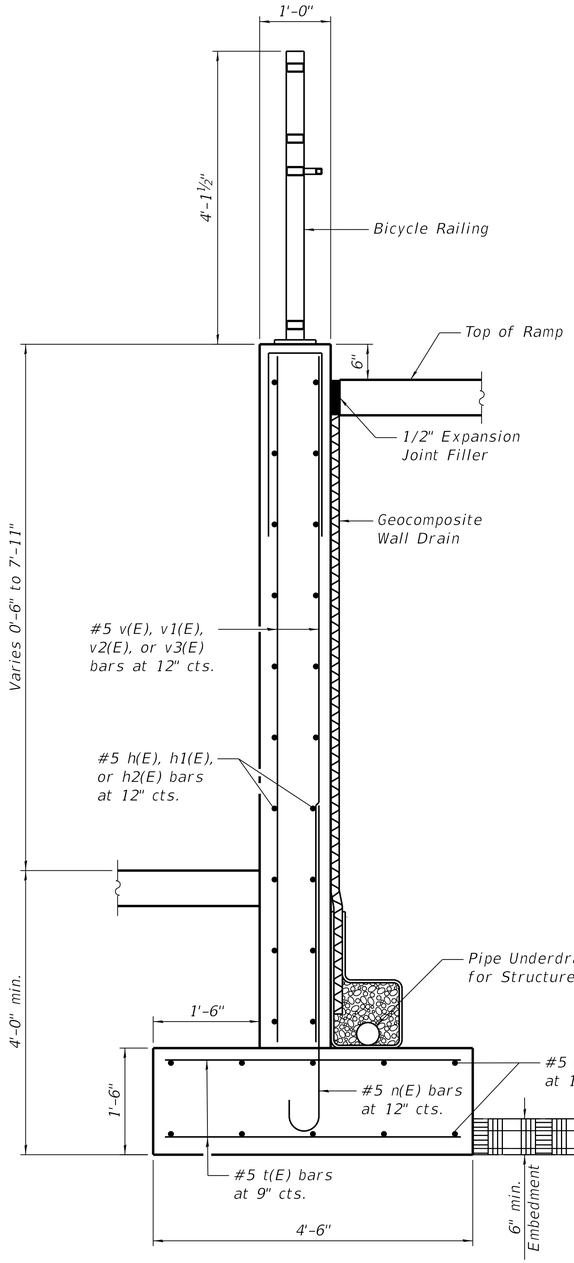
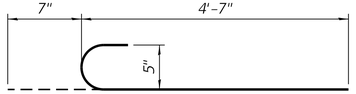
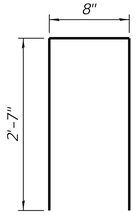


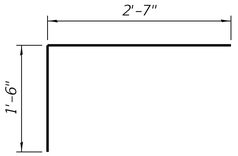
SECTION THRU RETAINING WALL



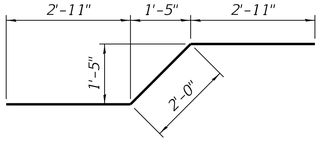
BAR n(E)



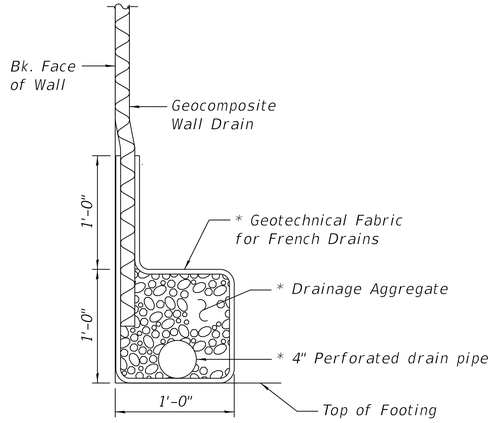
BAR d(E)



BAR w3(E)

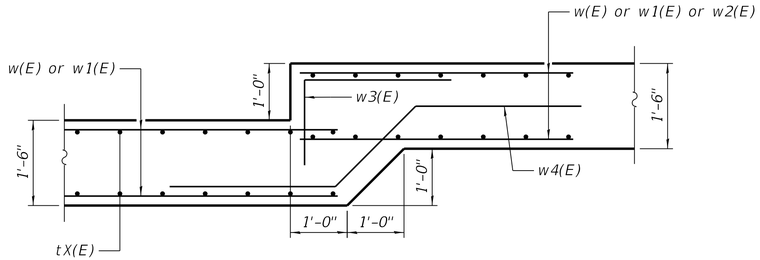


BAR w4(E)

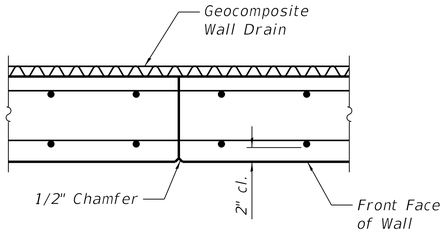


PIPE UNDERDRAIN DETAIL

*Included in the cost of Pipe
Underdrain for Structure



FOOTING STEP-UP DETAIL



CONSTRUCTION JOINT DETAIL

CENTER WALL BAR LIST

Bar	No.	Size	Length	Shape
d(E)	73	#4	5'-10"	
h(E)	20	#5	20'-7"	
h1(E)	16	#5	26'-1"	
h2(E)	12	#5	29'-7"	
n(E)	73	#5	4'-7"	
t(E)	98	#5	4'-2"	
v(E)	42	#5	9'-7"	
v1(E)	50	#5	7'-4"	
v2(E)	42	#5	5'-3"	
v3(E)	14	#5	3'-4"	
w(E)	20	#5	21'-7"	
w1(E)	10	#5	25'-0"	
w2(E)	10	#5	6'-7"	
w3(E)	15	#5	4'-1"	
w4(E)	15	#5	7'-10"	

MODEL: Default
FILE NAME: N:\2024\241108\Drawings\Master\CADD_Sheets\D1241108-sht-structural01.dgn

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PLOT SCALE =	CHECKED -	-	-
PLOT DATE = 3/12/2025	DATE -	-	-

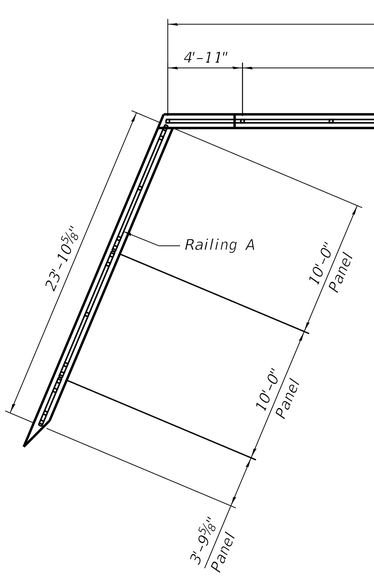
PEDESTRIAN RAMP AT PEACE BRIDGE

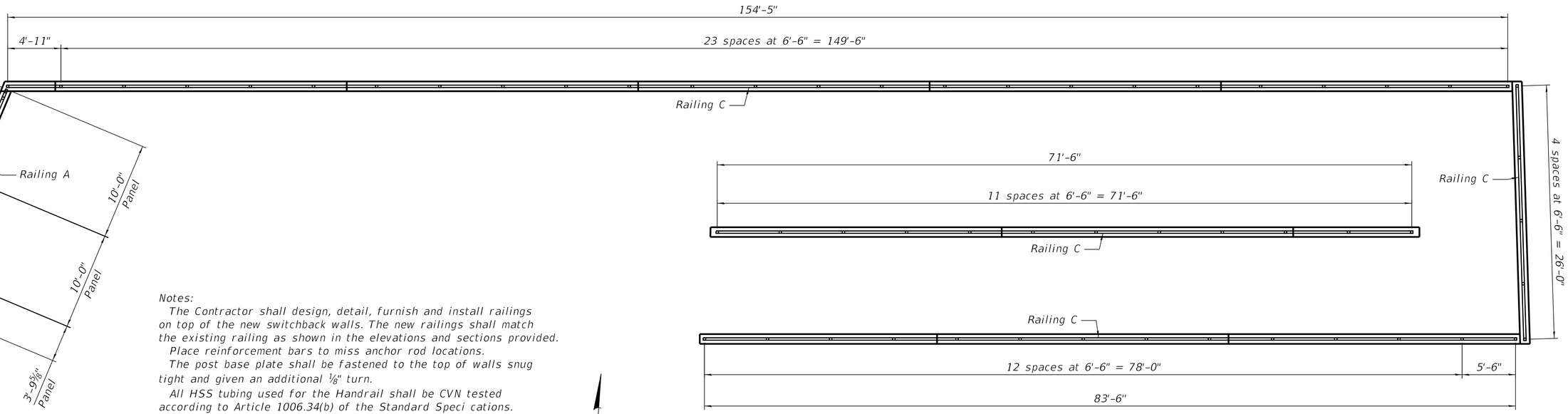
BATAVIA ILLINOIS

CENTER WALL DETAILS

SCALE: | SHEET S14 OF S15 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	29





RAILING PLAN

Notes:

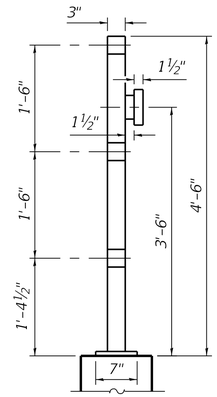
The Contractor shall design, detail, furnish and install railings on top of the new switchback walls. The new railings shall match the existing railing as shown in the elevations and sections provided.

Place reinforcement bars to miss anchor rod locations.

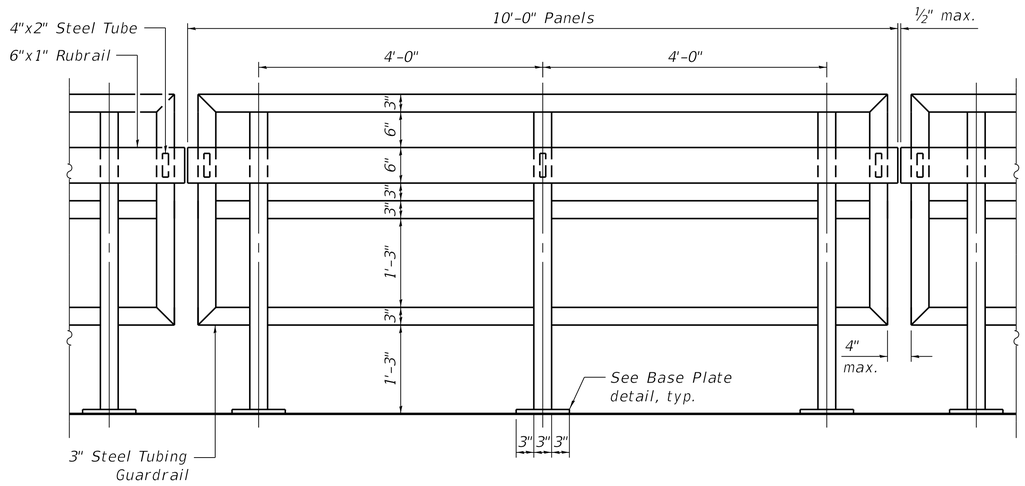
The post base plate shall be fastened to the top of walls snug tight and given an additional ⅛" turn.

All HSS tubing used for the Handrail shall be CVN tested according to Article 1006.34(b) of the Standard Speci cations.

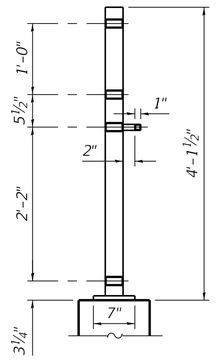
When the contract speci es a galvanized railing, all steel rail elements shall be galvanized according to Article 509.05 of the Standard Speci cations. When the contract speci es a painted railing, all posts, rail, splices, anchor devices and plates of the railing shall be painted according to the paint system for railings as speci ed in the General Notes.



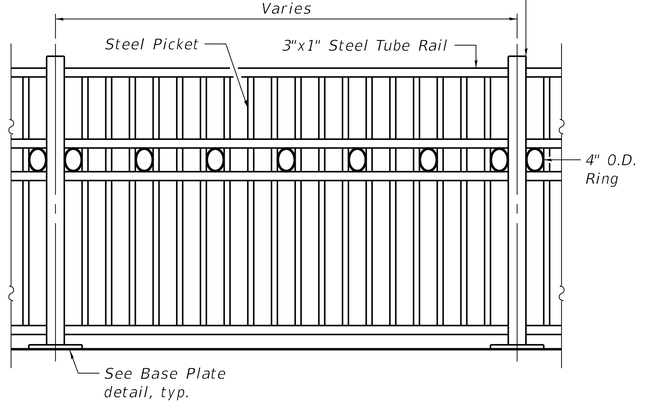
RAILING A SECTION



RAILING A ELEVATION



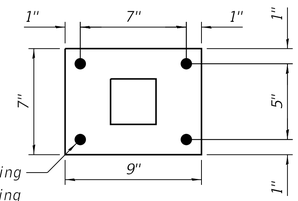
RAILING C SECTION



RAILING C ELEVATION

BILL OF MATERIAL

Item	Unit	Quantity
Railing Type A	Foot	23.5
Railing Type C	Foot	335.5



¾" ○ Holes in Base Plate for drilling and setting ⅝" ○ anchor rods according to Article 509.06 of Standard Speci cations. Embedment shall be according to the Manufacturer's Speci cations.

BASE PLATE

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7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
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	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

BATAVIA

PEDESTRIAN RAMP AT PEACE BRIDGE

ILLINOIS

RAILING DETAILS

SCALE: | SHEET S15 OF S15 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	30

MODEL: Default
FILE NAME: N:\2024\2411108\Drawings\Main\CADD_Sheets\D1241108-sht-structural01.dgn

EROSION CONTROL & LANDSCAPING LEGEND

- INLET FILTER BASKET
- SEEDING, CLASS 2A
  EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 4"
- PERIMETER EROSION BARRIER
- FLOATING SILT CURTAIN
- FILTER FABRIC OR APPROVED METHOD FOR TRENCH DRAINS

10-YR FLOODPLAIN BOUNDARY LINE
100-YR FLOODPLAIN BOUNDARY LINE
FLOODWAY BOUNDARY LINE

Sta 12+82.24
Off 38.70' (RT)

Sta 12+88.97
Off 45.00' (RT)

Sta 12+80.19
Off 19.05' (RT)

Sta 12+79.81
Off 15.83' (RT)

Sta 12+81.16
Off 15.83' (RT)

Sta 12+71.65
Off 12.25' (RT)

Sta 12+62.76
Off 11.00' (RT)

Sta 12+33.50
Off 11.00' (RT)

RR-4 STONE RIP RAP
SEE PIPE OUTLET TO CHANNEL DETAIL ON CONSTRUCTION DETAILS SHEET 49 FOR SIZE AND DIMENSION

Sta 12+80.68
Off 14.08' (RT)

Sta 12+80.40
Off 12.51' (RT)

Sta 12+80.71
Off 9.44' (RT)

Sta 12+86.21
Off 2.43' (RT)

Sta 12+86.21
Off 1.00' (RT)

Sta 12+33.37
Off 1.00' (RT)

FOX RIVER

LIMITS OF ORDINARY HIGH WATER MARK

HMA PAVEMENT

CONC SIDEWALK

RIVER STREET

PROPOSED PEACE BRIDGE RAMP

10+00

CONC SIDEWALK

BRICK PAVERS WITH PCC BASE

BRICK PAVER

CONC SIDEWALK

FILTER FABRIC OR APPROVED METHOD TO PROTECT TRENCH DRAIN INLET DURING CONSTRUCTION - 25 LF

EXISTING PEDESTRIAN WALKWAY BRIDGE

Sta 13+30.53
Off 19.54' (RT)

Sta 13+33.96
Off 1.00' (RT)

FILTER FABRIC OR APPROVED METHOD TO PROTECT TRENCH DRAIN INLET DURING CONSTRUCTION - 24 LF

EXISTING 13' CONCRETE BIKEWAY

PERMEABLE PAVERS

N

1" = 10'

10 0 10 20
SCALE FEET

MODEL: Default
FILE NAME: N:\2024\241108\Drawings\Mstr\CADD_Sheets\D1241108-sht-eros&landscaping01.dgn

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	DRAWN -	-	-
PLOT SCALE =	CHECKED -	-	-
PLOT DATE = 3/12/2025	DATE -	-	-

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1"=10' | SHEET 1 OF 1 SHEETS | STA. 10+00.00 | TO STA. 13+43.82

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	31

RELOCATED ACCESSIBLE PARKING SIGN ASSEMBLY AND CONCRETE WHEEL STOP

SEE ACCESSIBLE PARKING SPACE MARKINGS DETAIL FOR ACCESSIBLE PARKING STALL LAYOUT

9.3'
9.2'
56.7°

N RIVER ST

RIVER STREET

10-YR FLOODPLAIN BOUNDARY LINE

100-YR FLOODPLAIN BOUNDARY LINE

FLOODWAY BOUNDARY LINE

FOX RIVER

LIMITS OF ORDINARY HIGH WATER MARK

PEDESTRIAN WALKWAY BRIDGE

56°
54.5°
13.9'
26.4'
HMA PAVEMENT
55.6°
13.4'
16'
12
13
11
10+00
CONC SIDEWALK
BRICK PAVER
CONC SIDEWALK
BRICK PAVERS WITH PCC BASE

BICYCLISTS SLOW

CUSTOM SIGN PANEL
24" X 24"
STA 11+21.93
MOUNTED ON WALL
5' ABOVE PATH ELEVATION

N

1

1"=10'
SCALE
10 0 10 20
FEET

MODEL: Default
FILE NAME: N:\2024\2411108\Drawings\Main\CADD_Sheets\D1241108-sht-ppm001.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED -	-	-	
	DRAWN -	-	-	
PLOT SCALE =	CHECKED -	-	-	
PLOT DATE = 3/12/2025	DATE -	-	-	

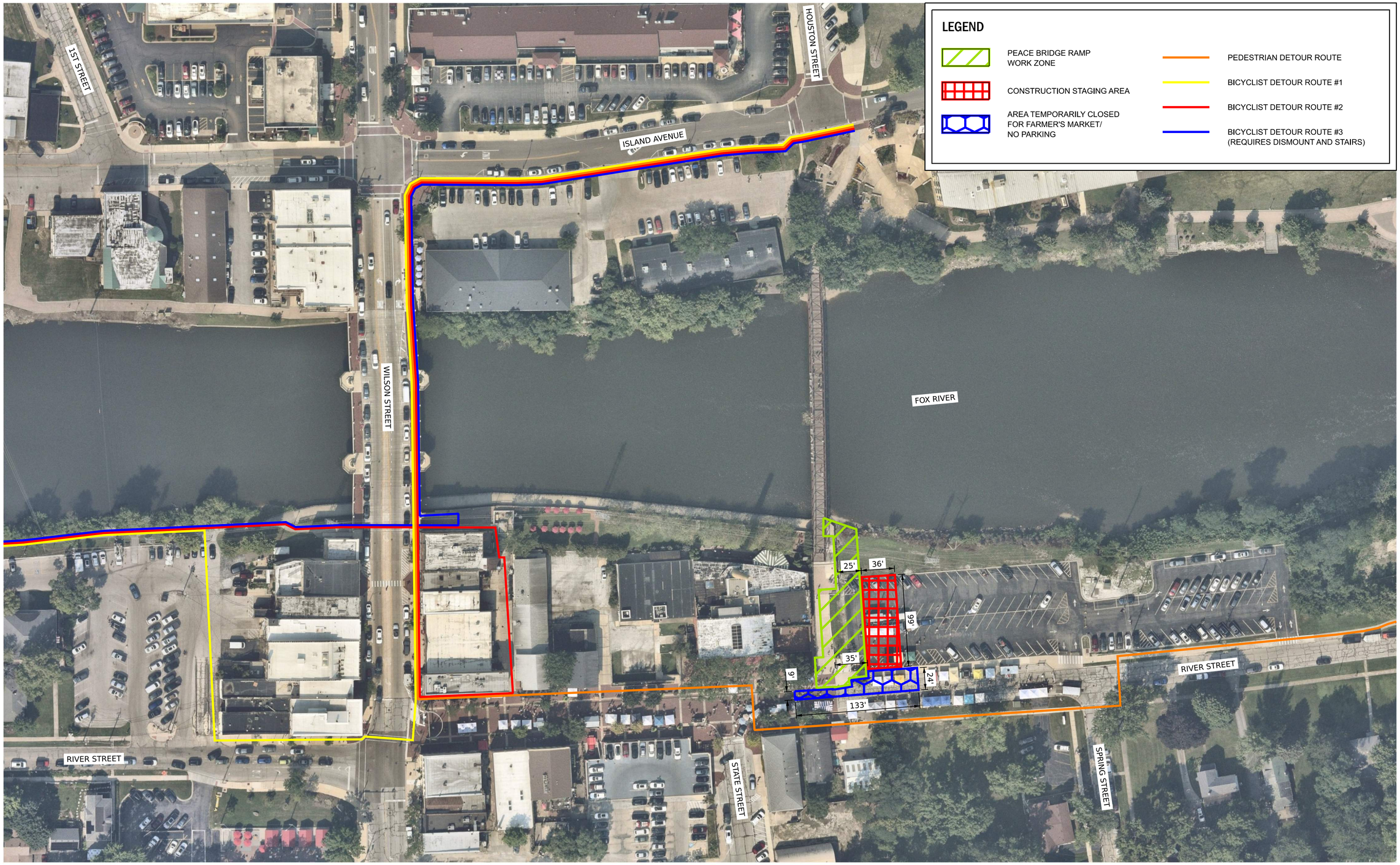
PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

PAVEMENT MARKING & SIGNAGE PLAN

SCALE: 1"=10' | SHEET 1 OF 1 SHEETS | STA. 10+00.00 | TO STA. 13+38.00

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	32



1"=50' SCALE 50 0 50 100 FEET

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V3 Companies
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Woodridge, IL 60517
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630.724.9202 fax
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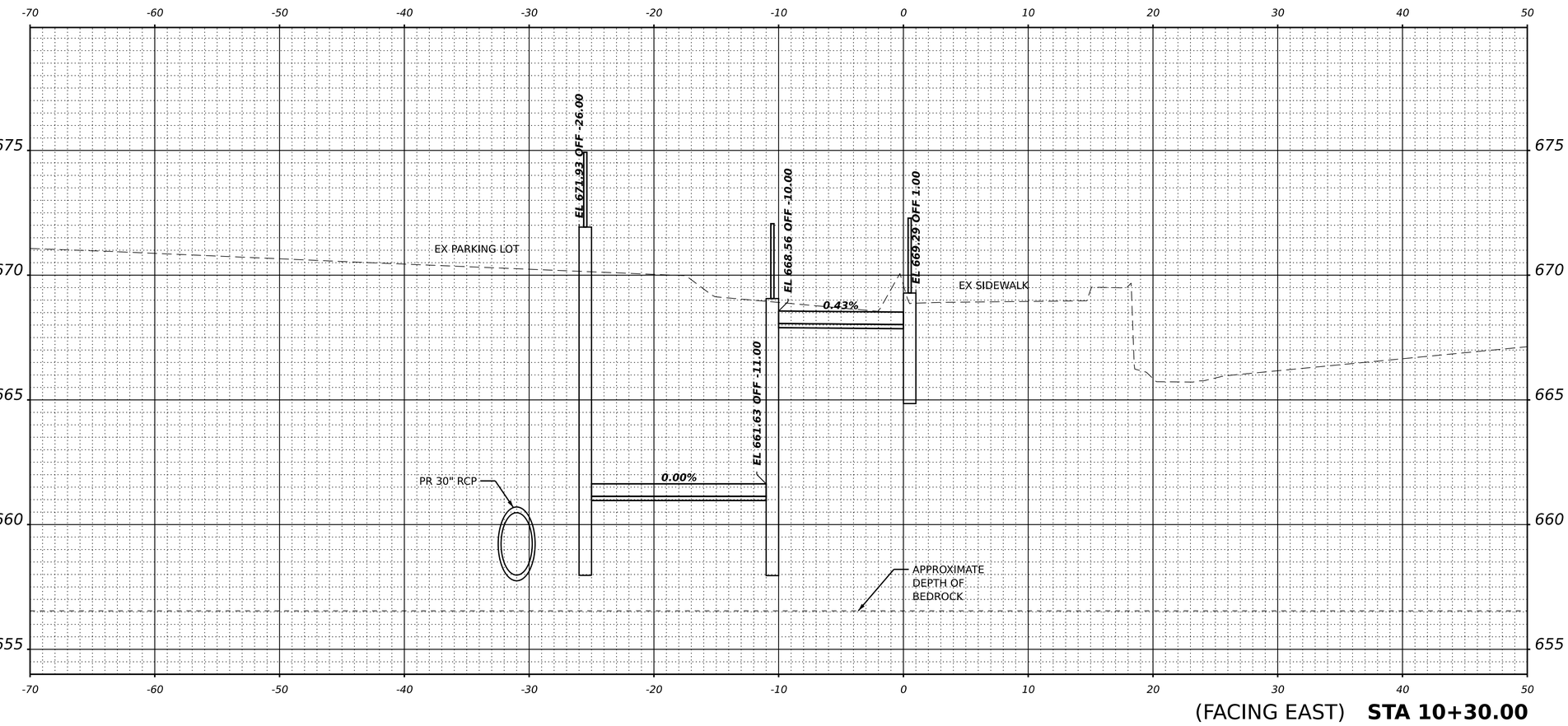
USER NAME = mfortmann	DESIGNED - _____	- _____	- _____	PEDESTRIAN RAMP AT PEACE BRIDGE	PEDESTRIAN DETOUR PLAN
	DRAWN - _____	- _____	- _____		
PLOT SCALE =	CHECKED - _____	- _____	- _____		
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA ILLINOIS	SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	33



(FACING EAST) **STA 10+30.00**

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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
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630.724.9202 fax
www.v3co.com

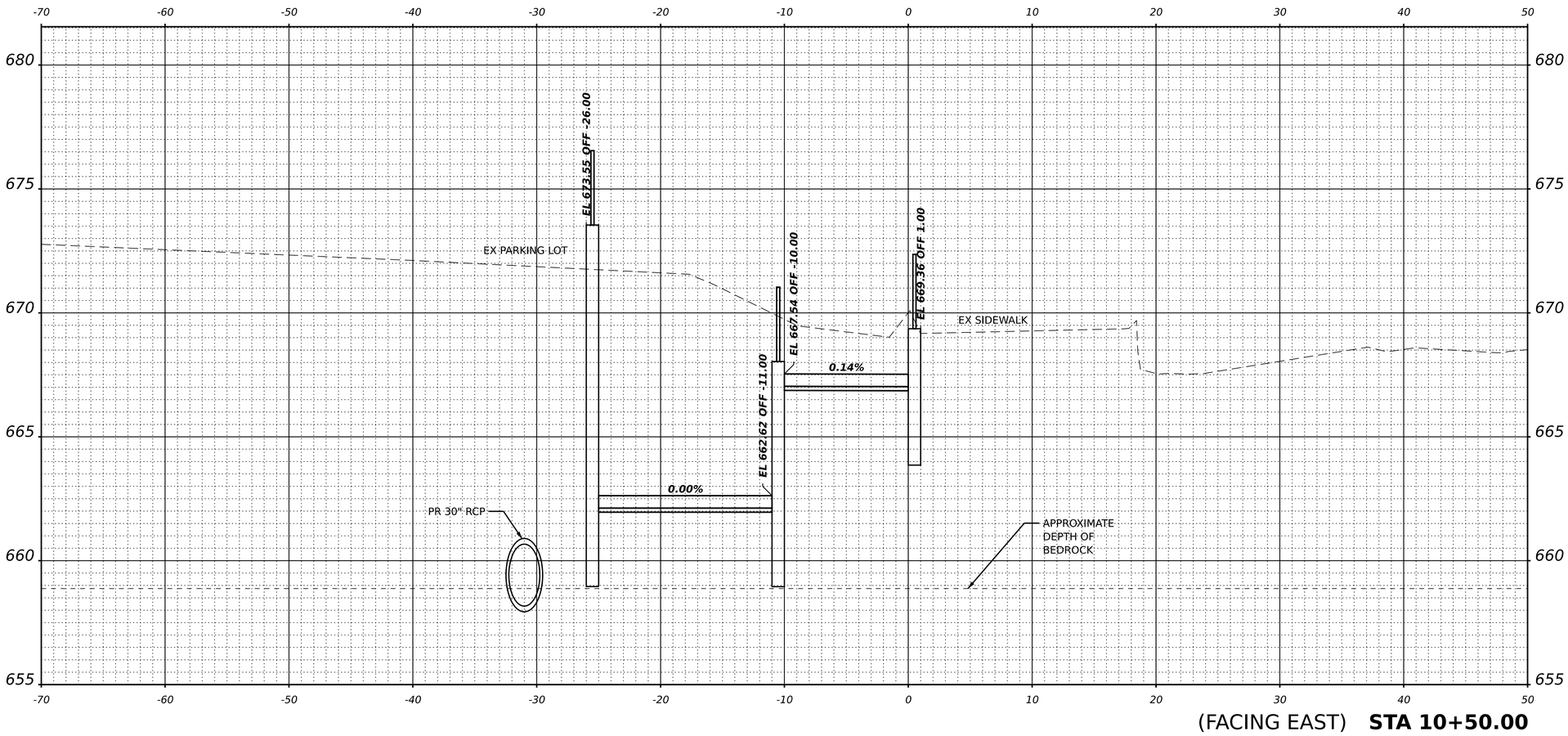
USER NAME = mfortmann	DESIGNED -	-	-	**PEDESTRIAN RAMP AT PEACE BRIDGE**
	DRAWN -	-	-	
PLOT SCALE =	CHECKED -	-	-	
PLOT DATE = 3/12/2025	DATE -	-	-	BATAVIA ILLINOIS

CROSS SECTIONS

SCALE: | SHEET 1 OF 7 SHEETS | STA. 10+30.00 | TO STA. 10+30.00

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	34

CONTRACT NO. xxxxxx



(FACING EAST) **STA 10+50.00**

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V3 Companies
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630.724.9202 fax
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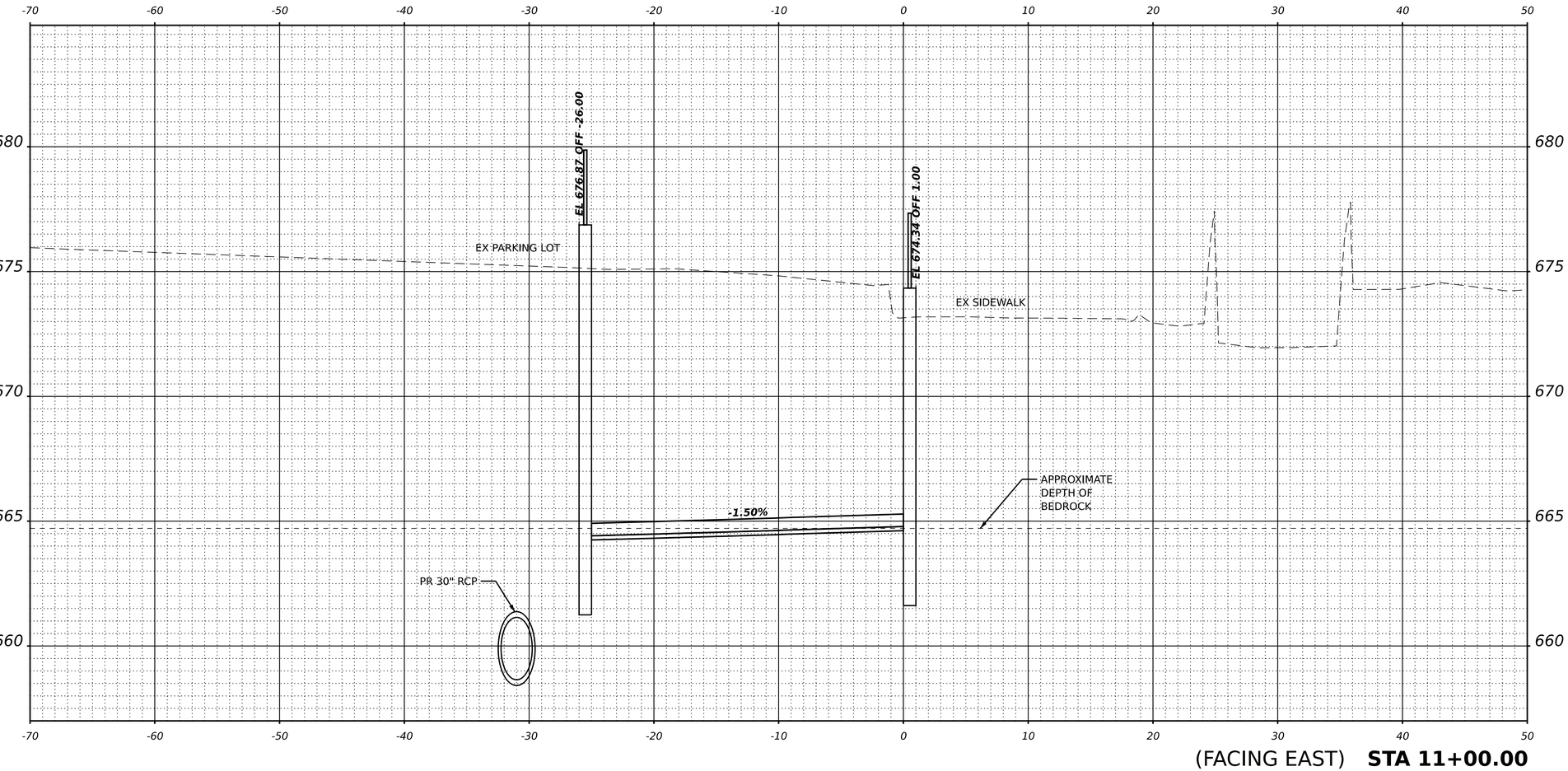
USER NAME = mfortmann	DESIGNED - _____	- _____	- _____	PEDESTRIAN RAMP AT PEACE BRIDGE	CROSS SECTIONS
	DRAWN - _____	- _____	- _____		
PLOT SCALE =	CHECKED - _____	- _____	- _____		
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA ILLINOIS	SCALE: SHEET 2 OF 7 SHEETS STA. 10+50.00 TO STA. 10+50.00

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	35

CONTRACT NO. xxxxxx



(FACING EAST) **STA 11+00.00**

V3 Companies
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Woodridge, IL 60517
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630.724.9202 fax
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USER NAME = mfortmann	DESIGNED -	-	-
	DRAWN -	-	-
PLOT SCALE =	CHECKED -	-	-
PLOT DATE = 3/12/2025	DATE -	-	-

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

CROSS SECTIONS

SCALE: | SHEET 3 OF 7 SHEETS | STA. 11+00.00 | TO STA. 11+00.00

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	36
CONTRACT NO. xxxxxx		

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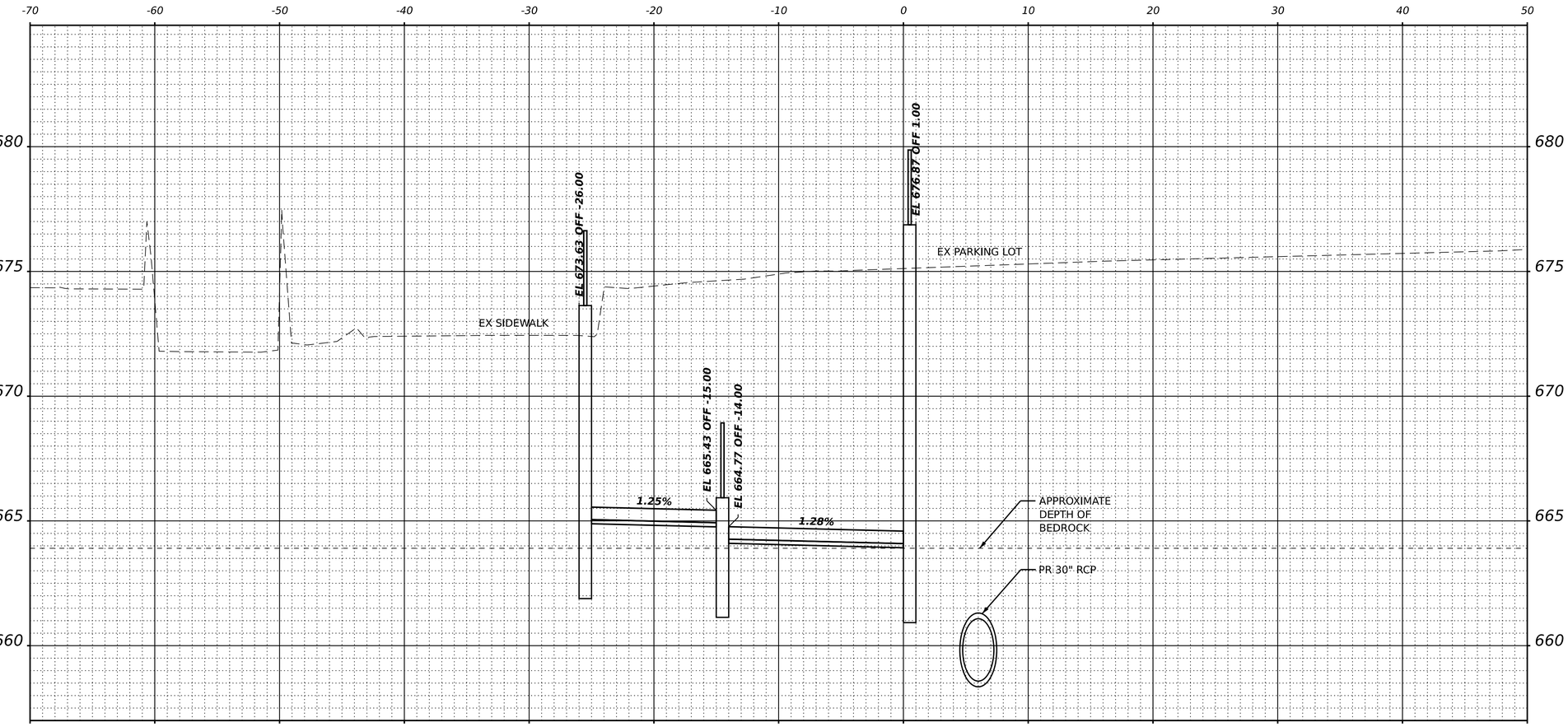

(FACING WEST) **STA 11+50.00**

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V3 Companies
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630.724.9202 fax
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USER NAME = mfortmann	DESIGNED -	-	-
	DRAWN -	-	-
PLOT SCALE =	CHECKED -	-	-
PLOT DATE = 3/12/2025	DATE -	-	-

PEDESTRIAN RAMP AT PEACE BRIDGE

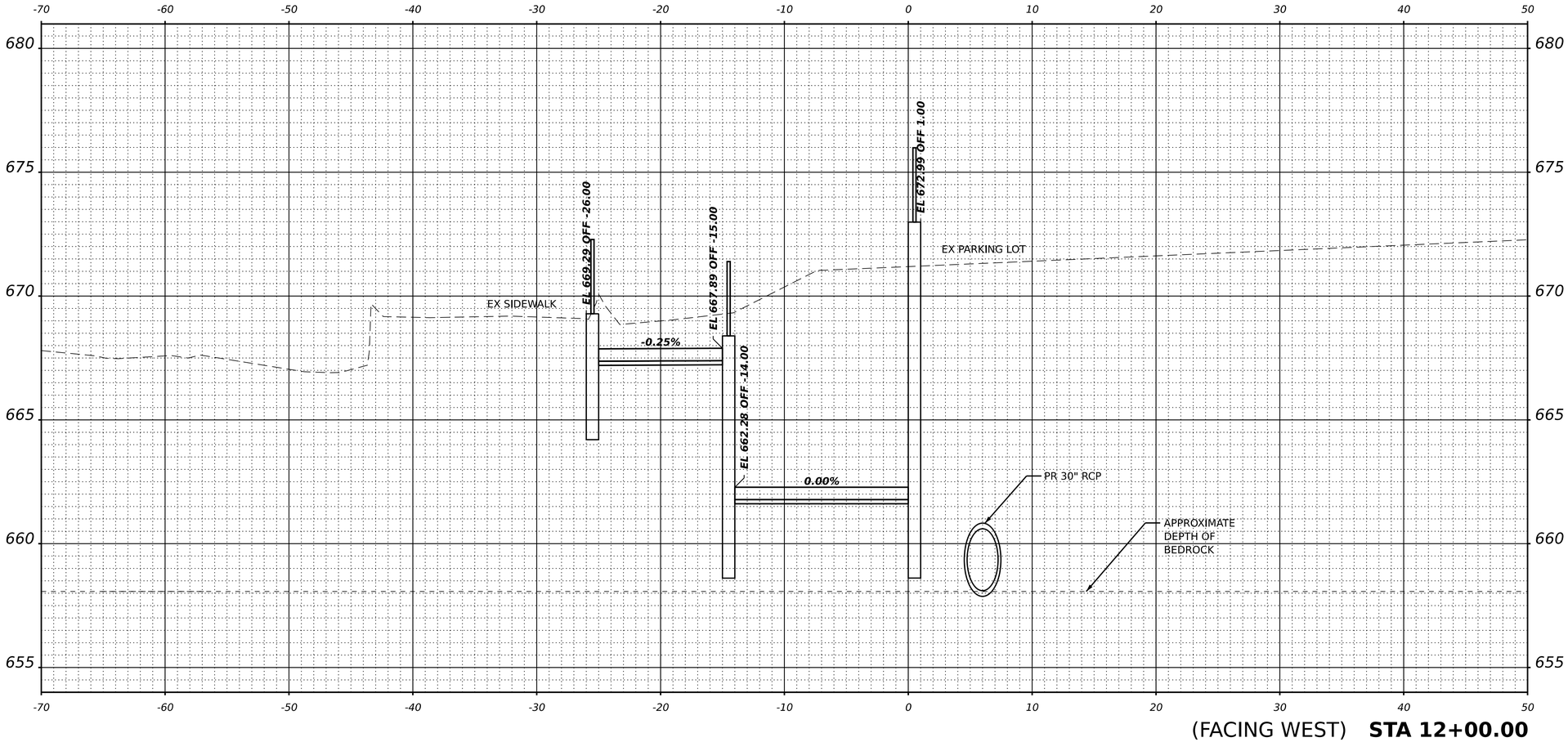
BATAVIA ILLINOIS

CROSS SECTIONS

SCALE: | SHEET 4 OF 7 SHEETS | STA. 11+50.00 | TO STA. 11+50.00

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	37

CONTRACT NO. xxxxxx



(FACING WEST) **STA 12+00.00**

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____
	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

CROSS SECTIONS

SCALE: | SHEET 5 OF 7 SHEETS | STA. 12+00.00 | TO STA. 12+00.00

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	38

CONTRACT NO. xxxxxx

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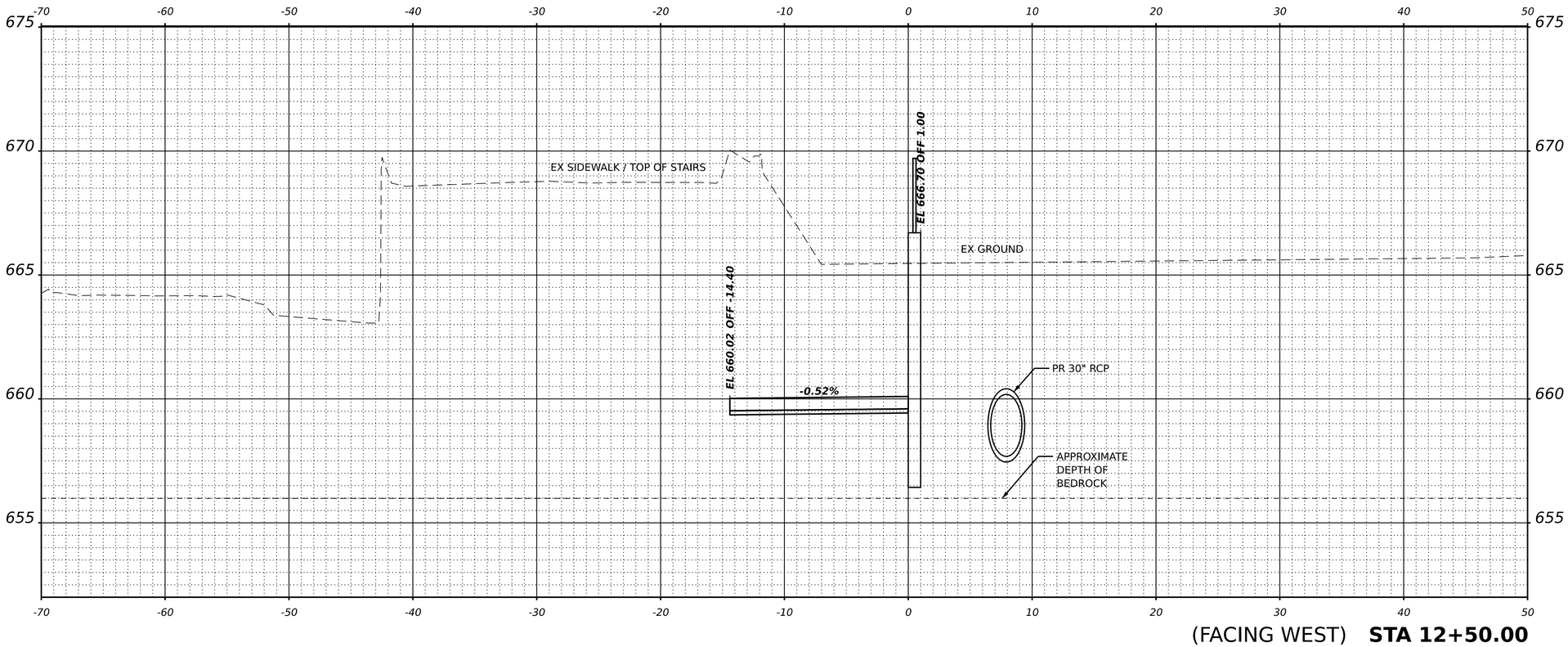

(FACING WEST) **STA 12+50.00**

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V3 Companies
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630.724.9202 fax
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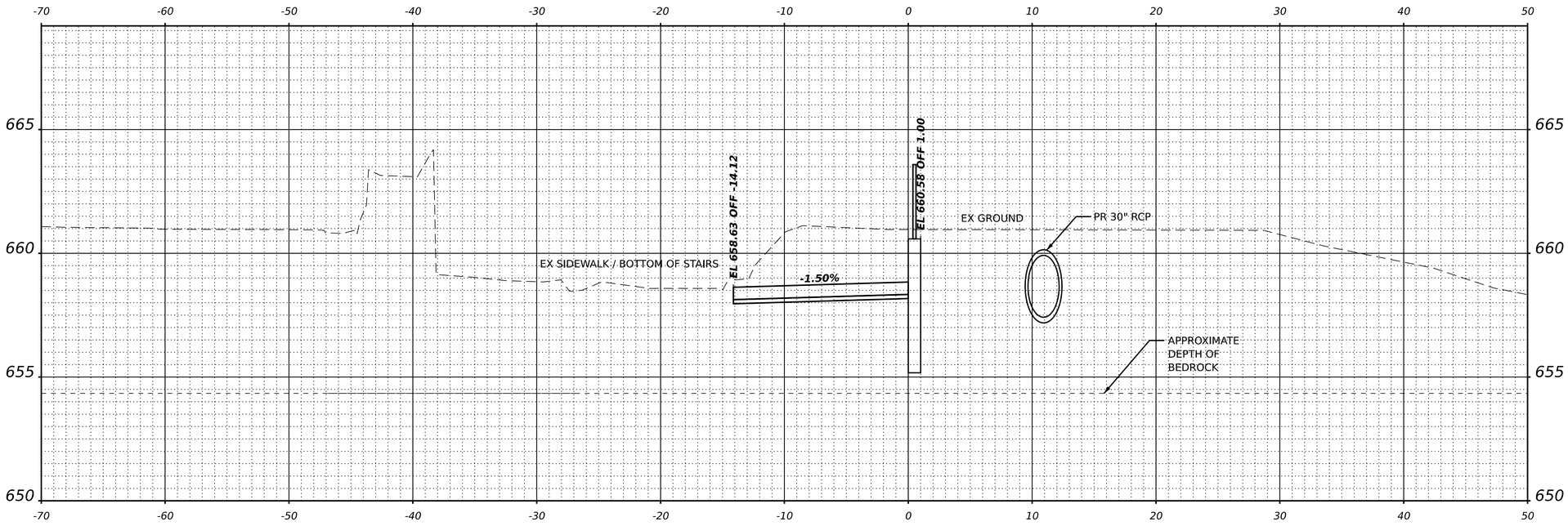
USER NAME = mfortmann	DESIGNED - _____	- _____	- _____	PEDESTRIAN RAMP AT PEACE BRIDGE	
	DRAWN - _____	- _____	- _____		
PLOT SCALE =	CHECKED - _____	- _____	- _____		
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA	ILLINOIS

CROSS SECTIONS

SCALE: | SHEET 6 OF 7 SHEETS | STA. 12+50.00 | TO STA. 12+50.00

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	39

CONTRACT NO. xxxxxx



(FACING WEST) **STA 12+80.00**

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____ - _____
	DRAWN - _____	- _____ - _____
PLOT SCALE =	CHECKED - _____	- _____ - _____
PLOT DATE = 3/12/2025	DATE - _____	- _____ - _____

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

CROSS SECTIONS

SCALE: | SHEET 7 OF 7 SHEETS | STA. 12+80.00 | TO STA. 12+80.00

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	40

CONTRACT NO. xxxxxx

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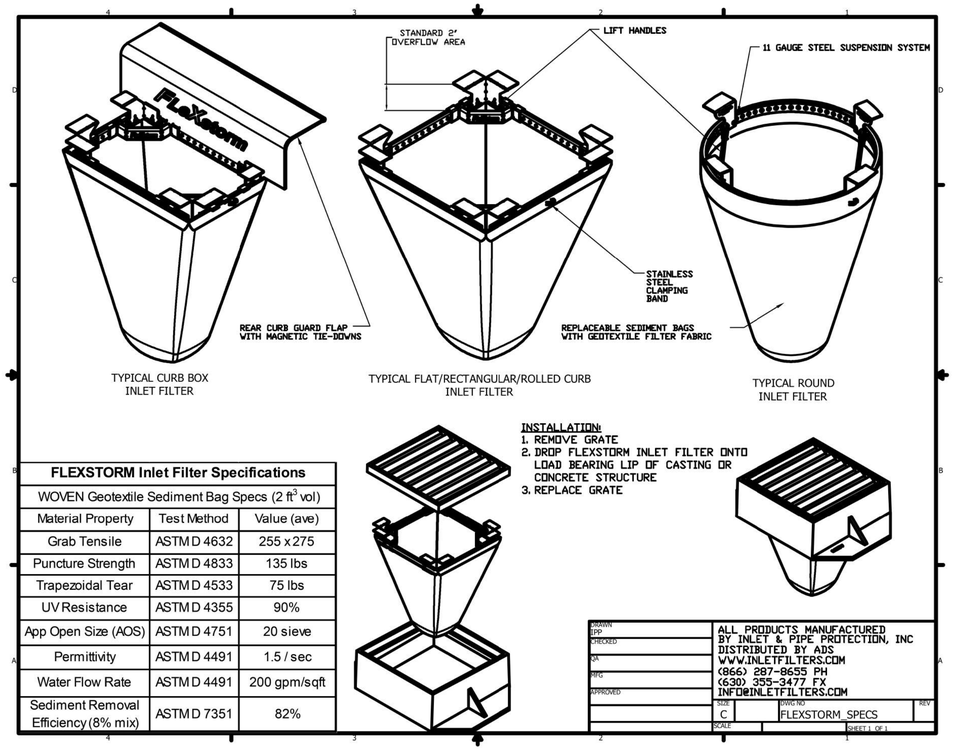


TYPICAL CURB BOX INLET FILTER

TYPICAL FLAT/RECTANGULAR/ROLLED CURB INLET FILTER

TYPICAL ROUND INLET FILTER

INSTALLATION:

1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

FLEXSTORM Inlet Filter Specifications		
WOVEN Geotextile Sediment Bag Specs (2 ft^3 vol)		
Material Property	Test Method	Value (ave)
Grab Tensile	ASTM D 4632	255 x 275
Puncture Strength	ASTM D 4833	135 lbs
Trapezoidal Tear	ASTM D 4533	75 lbs
UV Resistance	ASTM D 4355	90%
App Open Size (AOS)	ASTM D 4751	20 sieve
Permittivity	ASTM D 4491	1.5 / sec
Water Flow Rate	ASTM D 4491	200 gpm/sqft
Sediment Removal Efficiency (8% mix)	ASTM D 7351	82%

DRAWN IPP
CHECKED
QA
MFG
APPROVED

ALL PRODUCTS MANUFACTURED
BY INLET & PIPE PROTECTION, INC
DISTRIBUTED BY ADS
WWW.INLETFILTERS.COM
(866) 287-8655 PH
(630) 355-3477 FX
INFO@INLETFILTERS.COM

SIZE C
DWG NO FLEXSTORM_SPECS
REV
SCALE
SHEET 1 OF 1

CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

SHEET: 1 OF 1
DATE: 1/1/16

INLET FILTER

STANDARD NO. 4.13

FLEXSTORM OPERATION & MAINTENANCE PLAN

Installation Instructions:

1. Remove the grate from the casting or concrete drainage structure.
2. Clean the ledge (lip) of the casting frame or drainage structure to ensure it is free of stone and dirt.
3. Drop in the FLEXSTORM Inlet Filter through the clear opening and be sure the suspension hangers rest firmly on the inside ledge (lip) of the casting.
4. Replace the grate and confirm it is elevated no more than 1/8", which is the thickness of the steel hangers.

Frequency of Inspections:

1. Construction site inspection should occur following each ½" or more rain event.
2. Post Construction inspections should occur three times per year (every four months) in areas with mild year round rainfall and four times per year (every three months Feb-Nov) in areas with summer rains before and after the winter snowfall season.
3. Industrial application site inspections (loading ramps, wash racks, maintenance facilities) should occur on a regularly scheduled basis no less than three times per year.

Maintenance Guidelines:

1. Empty the sediment bag if more than half filled with sediment and debris, or as directed by the Engineer.
2. Remove the grate, engage the lifting bars or handles with the FLEXSTORM Removal Tool, and lift from the drainage structure.
3. Dispose of the sediment or debris as directed by the Engineer or Maintenance Contract in accordance with EPA guidelines.
4. As an alternative, an industrial vacuum may be used to collect the accumulated sediment.
5. Remove any caked on silt from the sediment bag and reverse flush the bag with medium spray for optimal filtration.
6. Replace the bag if torn or punctured to ½" diameter or greater on the lower half of the bag.
7. Post Construction PC Bags maint: At 50% saturation, the average 2' x 2' Adsorb-it lined PC filter will retain approx 75 oz (4.2 lbs) of oil and should be serviced or replaced. It can be centrifuged or passed through a wringer to recover the oils, and the fabric reused with 85% to 90% efficacy. It may also be recycled for its fuel value through waste to energy incineration.
8. MyCelx Skimmer Pouches: The skimmers start yellow in color and will gradually turn brown as they become saturated, indicating time for replacement. Each MyCelx skimmer pouch will absorb approximately 89 oz (5 lbs) of oil before requiring replacement.
9. Dispose of all oil contaminated products in accordance with EPA guidelines.

Sediment Bag Replacement:

1. Remove the bag by loosening or cutting off the clamping band.
2. Take the new sediment bag, which is equipped with a stainless steel worm drive clamping band, and use a screw driver to tighten the bag around the frame channel.
3. Ensure the bag is secure and that there is no slack around the perimeter of the band.

FLEXSTORM INLET FILTERS™

STRUCTURE ID#/LOCATION:

DATE	TASK PERFORMED	INSPECTOR

1. INDENTIFY YOUR FRAME STYLE, SIZE, AND MATERIAL

STYLE	*FRAME STYLE AND SIZE*	Frame P/N:
ROUND	Small Round (up to 20.0" dia grates (A) dim)	62SRD
	Med Round (20.1" - 26.0" dia grates (A) up to 25" dia openings (B))	62MRD
	Large Round (26.1" - 32.0" dia grates (A) up to 30" openings (B))	62LRD
	XL Round (32.1" dia - 39" dia grates (A) up to 37" dia openings (B))	62XLRD
RECT/ SQUARE	Small Rect / Square (up to 16" (B) x 16" (D) openings or 64" perimeter)	62SSQ
	Med Rect / Square (up to 24" (B) x 24" (D) openings or 96" perimeter)	62MSQ
	Large Rect / Square (up to 36" (B) x 24" (D) openings or 120" perimeter)	62LSQ
	XL Rect / Square (side by side 2 pc set to fit up to 48" (B) x 36" (D) openings)	62XLSQ
COMBO INLETS	Small Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62SCB
	Med Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62MCB
	Large Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62LCB
	XL Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62XLCB
NYLOPLAST	12" diameter Nyloplast castings (Stainless Steel Framing standard)	6212NY
	15" diameter Nyloplast castings (Stainless Steel Framing standard)	6215NY
	18"diameter Nyloplast castings (Stainless Steel Framing standard)	6218NY
	24" diameter Nyloplast castings (Stainless Steel Framing standard)	6224NY
	30" diameter Nyloplast castings (Stainless Steel Framing standard)	6230NY
WALL MOUNT	Open Throat Gutters - Curb Opening Size	
	Up to 4' (1 Filter and Mounting Hardware)	62WM1
	Between 4' and 8' (2 Filters and Mounting Hardware)	62WM2
	Between 8' and 12' (3 Filters and Mounting Hardware)	62WM3
	Between 12' and 16' (4 Filters and Mounting Hardware)	62WM4
UPGRADED FRAMING MATERIAL OPTIONS (STANDARD IS ZINC PLATED)		SUFFIX
CHROME PLATED FRAMING FOR HIGH SALT EXPOSURE		- CHR
STAINLESS STEEL FRAMING FOR HIGH SALT AND/OR CHEMICAL EXPOSURE		- SS

2. SELECT YOUR FILTER BAG PART NUMBER

FLEXSTORM FILTER BAGS	(22" depth) STD Bag P/N	(12" depth) Short Bag P/N	Clean Water Flow Rate (GPM/SqFt)	Min A.O.S. (US Sieve)
FX: Standard Woven Bag	FX	FX-S	200	40
FX+: Woven w/ MyCelx	FXP	FXP-S	200	40
FXO: Woven w/ Oil Boom	FXO	FXO-S	200	40
PC: Post Construction Bag	PC	PC-S	137	140
PC+: PC Bag w/ MyCelx	PCP	PCP-S	137	140
LL: Litter and Leaf Bag	LL	LL-S	High	3.5
IL: IDOT Non-Woven Bag	IL	IL-S	145	70

3. CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER

		-	
Frame P/N from Step 1.	Filter Bag P/N from Step 2.		Framing Material

SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL SIZE						
Nominal Bag Size	Solids Storage (CuFt)	Filtered Flow Rate at 50% Max			* PC Oil Retent (Oz)	**PCP Oil Retent (Oz)
		FX (Woven)	PC (Post Constr)	IL (Non Woven)		
Small	1.6	1.2	0.8	0.9	66	155
Medium	2.1	1.8	1.2	1.3	96	185
Large	3.8	2.2	1.5	1.6	120	209
XL	4.2	3.6	2.4	2.6	192	370

* PC filter bag at 50% max adsorption capacity
** PC filter bag at 50% capacity and MyCelx skimmer at 100% capacity

CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

SHEET: 1 OF 1
DATE: 1/1/16

INLET FILTER MAINTENANCE

STANDARD NO. 4.14

MODEL: Default
FILE NAME: N:\2024\241108\Drawings\Mstn\CADD_Sheets\D1241108-sht-details01.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann
PLOT SCALE =
PLOT DATE = 3/12/2025

DESIGNED	- ----------	- ----------	- ----------
DRAWN	- ----------	- ----------	- ----------
CHECKED	- ----------	- ----------	- ----------
DATE	- ----------	- ----------	- ----------

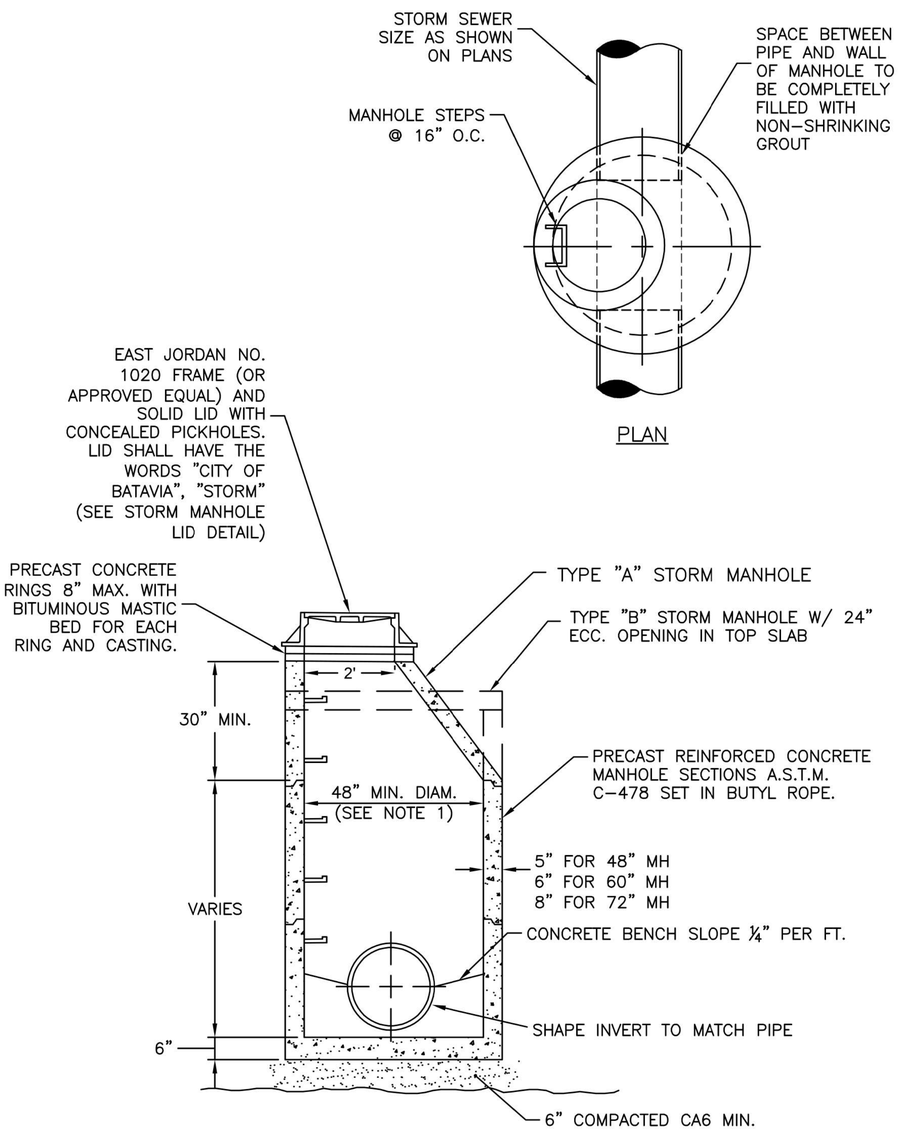
PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

CONSTRUCTION DETAILS

SCALE: NONE
SHEET 1 OF 11 SHEETS
STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	41



NOTE:

1. MINIMUM STORM STRUCTURE DIAMETER IS 48". THE INSIDE DIAMETER SHALL BE DETERMINED BASED ON THE SIZE AND ORIENTATION OF THE STORM SEWERS ENTERING THE MANHOLE. REFER TO THE APPROVED PLANS FOR THE REQUIRED STORM MANHOLE DIAMETERS. TYPICALLY, A 4' DIA. MANHOLE IS REQUIRED FOR STORM SEWER SIZES 8" THRU 18", 5' DIA. MANHOLE FOR 21" THRU 42", AND 6 DIA. MANHOLE FOR 48" AND ABOVE.

CITY OF BATAVIA

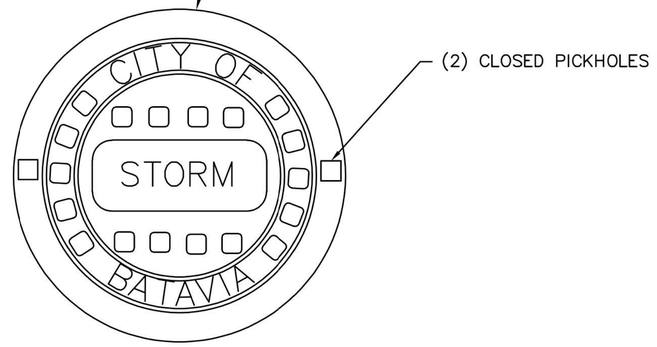
CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

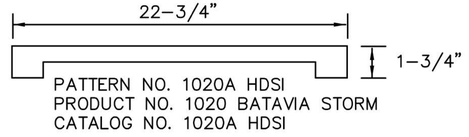
SHEET: 1 OF 1
DATE: 1/1/16

STORM SEWER MANHOLE - TYPE "A" OR TYPE "B"

STANDARD NO. 4.02

EAST JORDAN #1020 (OR APPROVED EQUAL)FRAME AND LID WITH CONCEALED PICKHOLES. LID SHALL HAVE THE WORDS "CITY OF BATAVIA", "STORM". CASTINGS FOR CURB INLETS AND CATCH BASINS IN THE CURB LINE SHALL BE E.J. #7221 (OR APPROVED EQUAL)





1-1/2 LETTERS
(RECESSED FLUSH)
HEAVY DUTY
MATERIAL ASTM A48 CL 35
COVER WT 125 LBS

CITY OF BATAVIA

CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

SHEET: 1 OF 1
DATE: 1/1/16

STORM MANHOLE LID DETAIL

STANDARD NO. 4.05

V3 Companies
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Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____	PEDESTRIAN RAMP AT PEACE BRIDGE
	DRAWN - _____	- _____	- _____	
PLOT SCALE =	CHECKED - _____	- _____	- _____	
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA ILLINOIS

CONSTRUCTION DETAILS

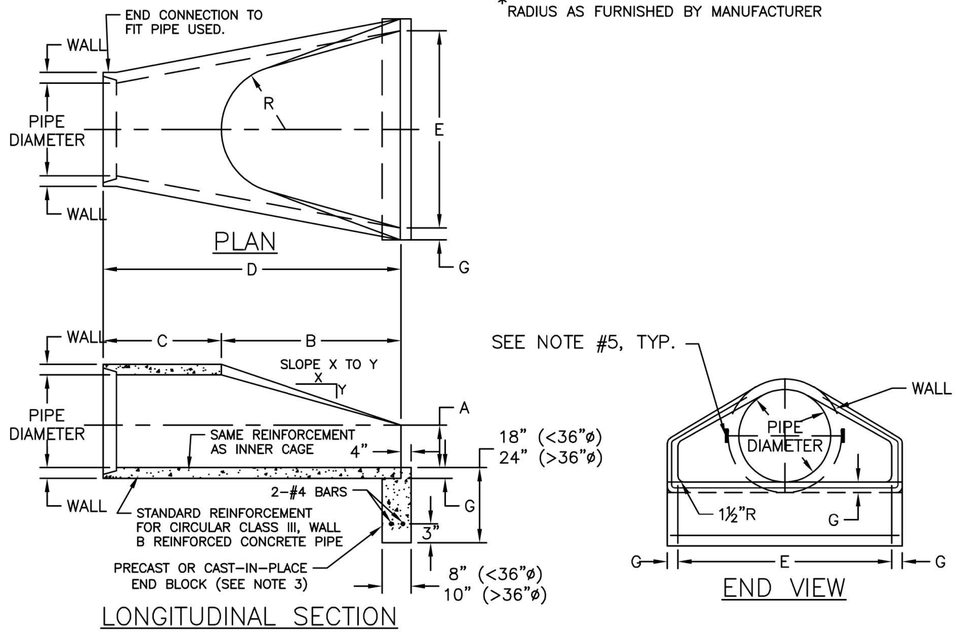
SCALE: NONE | SHEET 2 OF 11 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	42

MODEL: Default
FILE NAME: N:\2024\241108\Drawings\Main\CADD_Sheets\D1241108-aht-details01.dgn

PIPE DIA.	APPROX. WT.(lbs)	WALL	A	B	C	D	E	G	R	SLOPE
12"	530	2"	4"	2'–0"	4'–0⅞"	6'–0⅞"	2'–0"	2"	9"	3:1
15"	740	2¼"	6"	2'–3"	3'–10"	6'–1"	2'–6"	2¼"	11"	3:1
18"	990	2½"	9"	2'–3"	3'–10"	6'–1"	3'–0"	2½"	12"	3:1
21"	1280	2¾"	9"	2'–11"	3'–2"	6'–1"	3'–6"	2¾"	13"	3:1
24"	1520	3"	9½"	3'–7½"	2'–6"	6'–1½"	4'–0"	3"	14"	3:1
27"	1930	3¼"	10½"	4'–0"	2'–1½"	6'–1½"	4'–6"	3¼"	14½"	3:1
30"	2190	3½"	12"	4'–6"	1'–7¾"	6'–1¾"	5'–0"	3½"	15"	3:1
33"	3200	3¾"	13½"	4'–10½"	3'–3¾"	8'–1¾"	5'–6"	3¾"	17½"	3:1
36"	4100	4"	15"	5'–3"	2'–10¾"	8'–1¾"	6'–0"	4"	20"	3:1
42"	5380	4½"	1'–9"	5'–3"	2'–11"	8'–2"	6'–6"	4½"	22"	3:1
48"	6550	5"	2'–0"	6'–0"	2'–2"	8'–2"	7'–0"	5"	22"	3:1
54"	8240	5½"	2'–3"	5'–5"	2'–11"	8'–4"	7'–6"	5½"	24"	2.4:1
60"	8730	6"	2'–11"	5'–0"	3'–3"	8'–3"	8'–0"	5"	*	2:1
66"	10710	6½"	2'–6"	6'–0"	2'–3"	8'–3"	8'–6"	5½"	*	2:1
72"	12520	7"	3'–0"	6'–6"	1'–9"	8'–3"	9'–0"	6"	*	1.86:1
78"	14770	7½"	3'–0"	7'–6"	1'–9"	9'–3"	9'–6"	6½"	*	1.82:1
84"	18160	8"	3'–0"	7'–6½"	1'–9"	9'–3½"	10'–0"	6½"	*	1.5:1

*RADIUS AS FURNISHED BY MANUFACTURER



NOTES:

1. TRASH GRATES REQUIRED ON ALL FLARED END SECTIONS.
2. PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF AASHTO M–170 CLASS III, WALL B REINFORCED CONCRETE PIPE.
3. PRECAST CONCRETE FLARED END SECTION FOR PIPE DIAMETER REQUIRED SHALL BE AS INDICATED ON DETAIL PLAN FOR EACH INDIVIDUAL INSTALLATION.
4. THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 502.10 OF THE IDOT STANDARD SPECIFICATIONS (LATEST EDITION), COST INCIDENTAL TO END SECTION.
5. FLARED END SECTION SHALL BE AFFIXED TO THE FIRST PIPE SECTION USING 2" X 2' X 1/4" THK. GALVANIZED STRAPS FASTENED TO THE PIPE WITH GALV. ANCHORS AND 5/8" BOLTS.

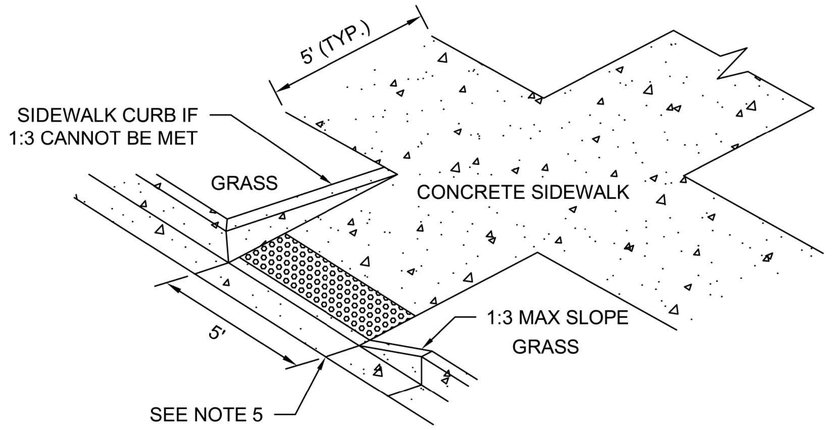
CITY OF BATAVIA

CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

SHEET: 1 OF 1
DATE: 1/1/16

FLARED END SECTION A

STANDARD NO. 4.03



ISOMETRIC VIEW

NOTES:

1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK THICKNESS AT CURB RAMPS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.
5. PROVIDE AT LEAST ONE (1) TOOLED OR SAWCUT CONTROL JOINT IN THE CURB. JOINT SHALL BE INLINE WITH SIDEWALK EDGE.
6. DETECTABLE WARNING TILE COLOR SHALL BE "BRICK RED" OR AS APPROVED BY THE CITY OF BATAVIA.

APPLICABLE IDOT STANDARD DETAILS OR LATEST REVISION THEREOF:

424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-01	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-01	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
606001-05	CONCRETE CURB TYPE B AND COMB CONCRETE CURB AND GUTTER

APPROVED ADA DETECTABLE WARNING TILES:

1. ADA SOLUTIONS - CAST IN PLACE REPLACEABLE
2. ARMOR TILE - CAST IN PLACE
3. DETECTILE - SLIMTEK II
4. TUFTILE - POLYMER WET-SET

CITY OF BATAVIA

CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

SHEET: 1 OF 1
DATE: 8/18/20

CURB RAMPS

STANDARD NO. 7.10

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____	
	DRAWN - _____	- _____	- _____	
PLOT SCALE =	CHECKED - _____	- _____	- _____	
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	

PEDESTRIAN RAMP AT PEACE BRIDGE

BATAVIA ILLINOIS

CONSTRUCTION DETAILS

SCALE: NONE | SHEET 3 OF 11 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	43

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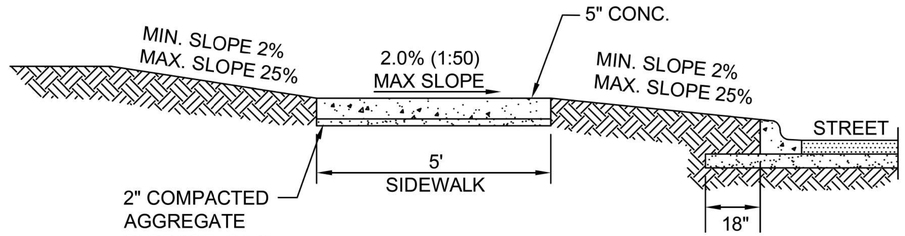
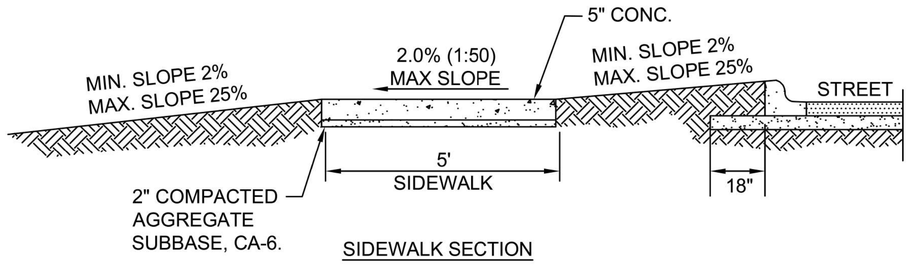


SIDEWALK SECTION



SIDEWALK SECTION

NOTES:

1. CONCRETE SHALL BE IDOT CLASS SI.
2. MINIMUM SIDEWALK THICKNESS SHALL BE 5".
3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE AT A MINIMUM 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS.
4. MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5% (20:1). FOR ANY SLOPE IN EXCESS OF 5%, ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION) SHALL BE MET.
5. MINIMUM TRANSVERSE SLOPE SHALL BE 1.0% (1:100). MAXIMUM TRANSVERSE SLOPE SHALL BE 2.0% (1:50).
6. A MINIMUM 2" AGGREGATE SUBBASE (CA-6) SHALL BE PROVIDED. (4" THROUGH COMMERCIAL DRIVEWAYS).
7. AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED.
8. ALL SIDEWALKS SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.
9. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
10. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

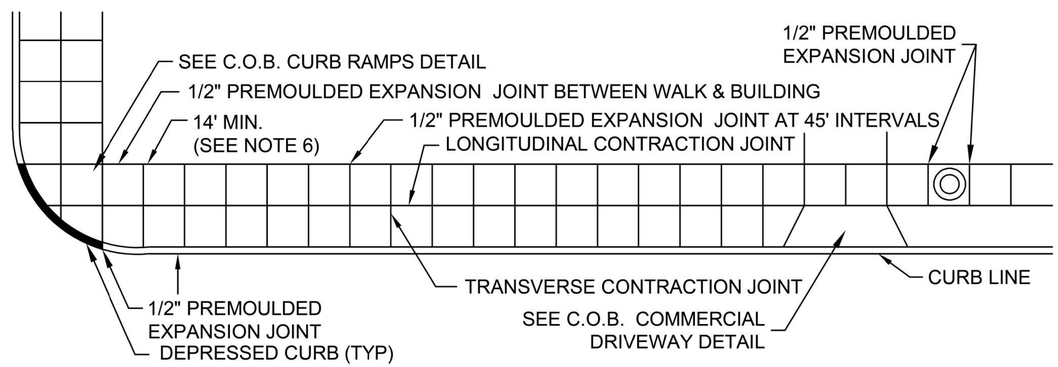
CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

SHEET: 1 OF 1
DATE: 1/1/16

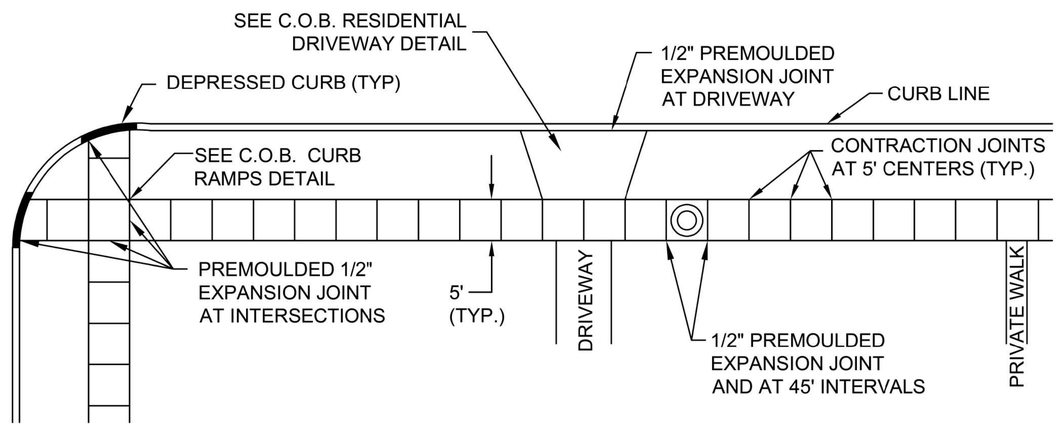
SIDEWALK

STANDARD NO. 7.08

CENTRAL BUSINESS DISTRICT



RESIDENTIAL AREA



NOTES:

1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK THICKNESS AT CURB RAMPS, THRU DRIVEWAYS, AND CARRIAGE WALKS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.
5. THE WIDTH OF PUBLIC SIDEWALKS FOR ALL TYPES OF ZONING SHALL NOT BE LESS THAN 5'.
6. MINIMUM SIDEWALK WIDTH IS 10 FEET WITH GRASS PARKWAY.
7. EXPANSION JOINTS SHALL BE PLACED AT THE END OF EACH POUR.

CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

SHEET: 1 OF 1
DATE: 1/1/16

SIDEWALK CONSTRUCTION

STANDARD NO. 7.09

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____
	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

BATAVIA

PEDESTRIAN RAMP AT PEACE BRIDGE

ILLINOIS

CONSTRUCTION DETAILS

SCALE: NONE | SHEET 4 OF 11 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	44

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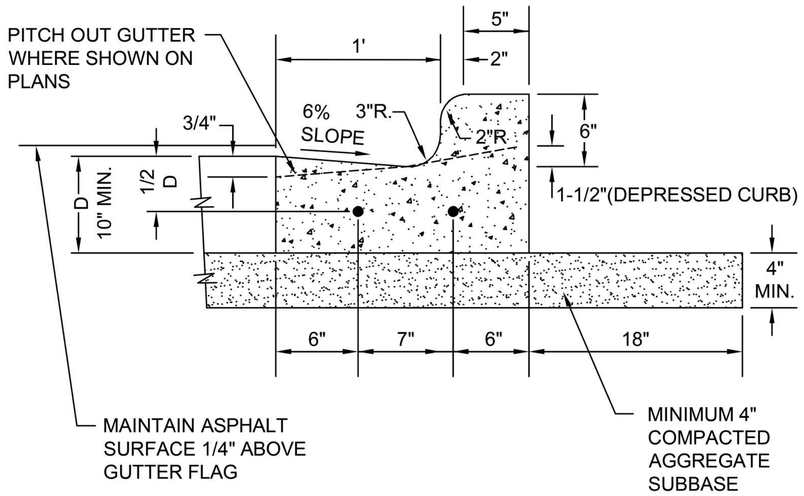


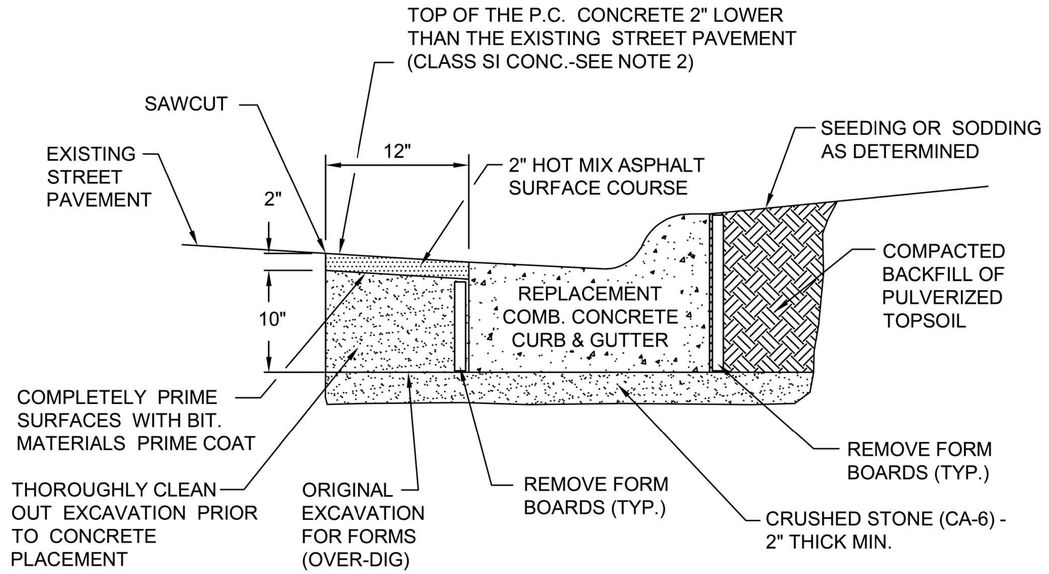
NOTES:

1. 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIA. X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 150', 5' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 EPOXY COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
2. TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15' AND AT LEAST (1) CONTROL JOINT PROVIDED AT ADA CURB RAMPS PER CITY STANDARD DETAIL NO. 7.10.
3. SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
4. FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 5) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.

CITY OF BATAVIA
CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT
SHEET: 1 OF 1
DATE: 11/8/18

B6.12 BARRIER CURB & GUTTER

STANDARD NO. 7.04



NOTES:

1. THE COMPLETE REPAIR OF PAVEMENTS ADJACENT TO THE REPLACEMENT CONCRETE CURB AND GUTTER IS INCLUDED IN THE COST OF THE NEW CURB AND GUTTER.
2. CLASS SI CONCRETE SHALL BE POURED SEPARATELY FROM THE CURB ONCE THE FORM BOARDS HAVE BEEN REMOVED.

CITY OF BATAVIA
CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT
SHEET: 1 OF 1
DATE: 1/1/16

CURB REPLACEMENT

STANDARD NO. 7.07

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____
	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE
BATAVIA ILLINOIS

CONSTRUCTION DETAILS
SCALE: NONE | SHEET 5 OF 11 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	45

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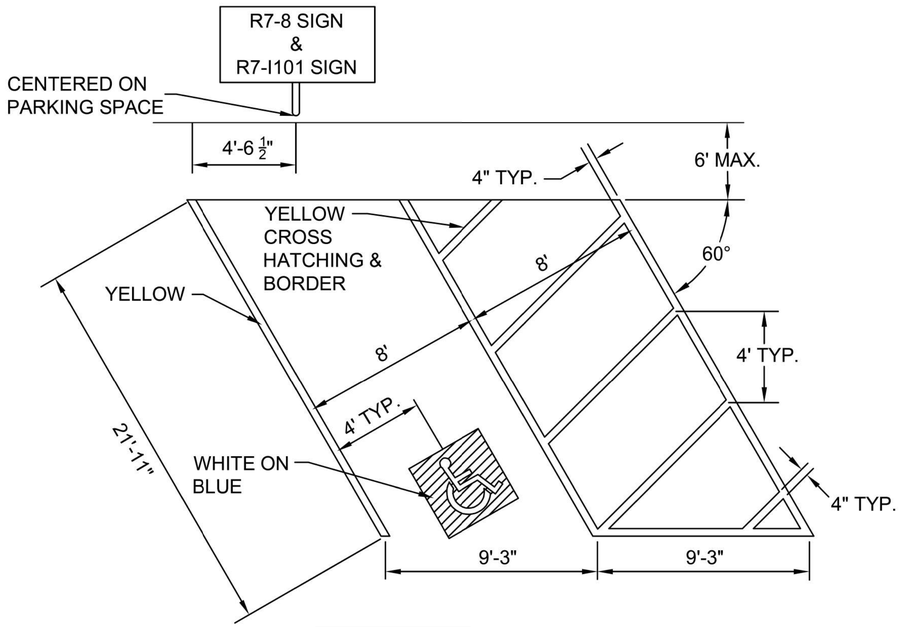

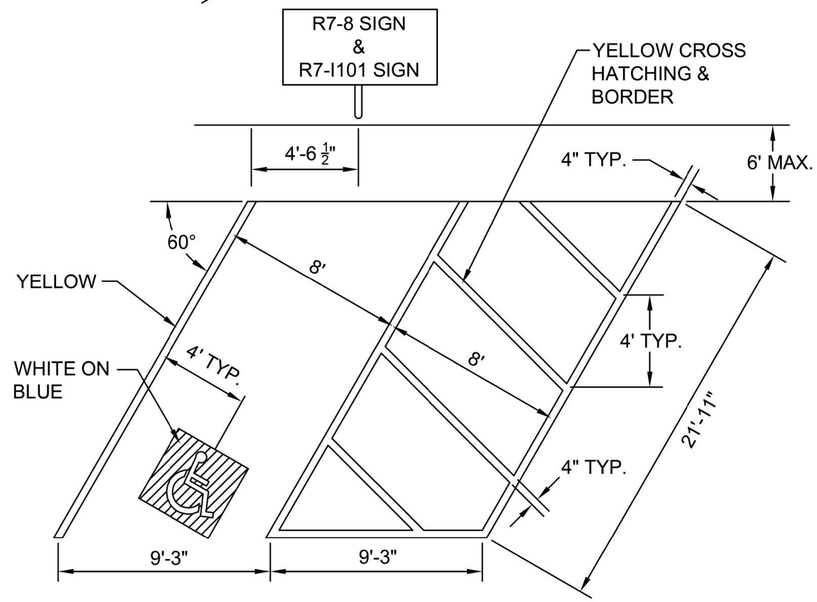

CITY OF BATAVIA

CITY OF BATAVIA
PUBLIC WORKS DEPARTMENT

SHEET: 1 OF 4
DATE: 1/12/21

ACCESSIBLE PARKING SPACE MARKINGS

STANDARD NO. 7.12

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____
	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT
PEACE BRIDGE

BATAVIA ILLINOIS

CONSTRUCTION DETAILS

SCALE: NONE | SHEET 6 OF 11 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	46

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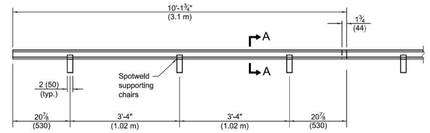
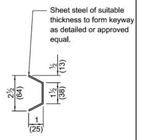
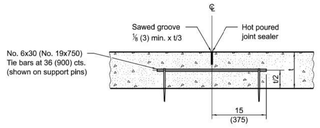


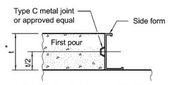
TYPE C METAL JOINT



SECTION A-A

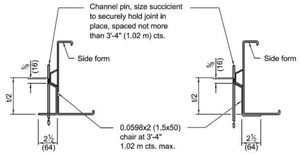


LONGITUDINAL SAWED JOINT



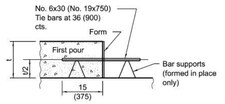
LONGITUDINAL KEYED JOINT

* 8 (203) min. pavement thickness for keyed joints.

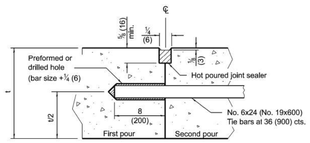


SUPPORTING CHAIR ALTERNATE

SUPPORTING CHAIR ALTERNATE



LONGITUDINAL CONSTRUCTION JOINT
(TIE BAR FORMED IN PLACE OR MECHANICALLY INSERTED)



LONGITUDINAL CONSTRUCTION JOINT
(TIE BAR GROUTED IN PLACE)

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise shown.

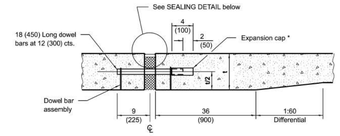
Illinois Department of Transportation
APPROVED January 1, 2022 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

DATE	REVISIONS
1-1-22	Revised DOWEL BAR TABLE
	on Sheet 2.
1-1-18	Changed tie bar spacing
	to 36 (900) cts. Revised
	DOWEL BAR TABLE.

PAVEMENT JOINTS

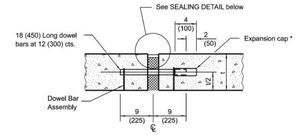
(Sheet 1 of 2)

STANDARD 420001-10

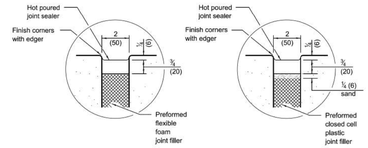


TRANSVERSE EXPANSION JOINT
(FOR PAVEMENTS WITH UNEQUAL THICKNESS)

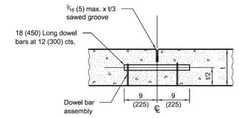
* Expansion caps shall be installed on the exposed end of each dowel bar once the header has been removed and the joint filler material has been installed.



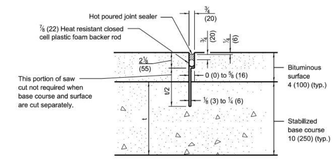
TRANSVERSE EXPANSION JOINT
(FOR PAVEMENTS WITH EQUAL THICKNESS)



SEALING DETAIL



TRANSVERSE CONTRACTION JOINT



TRANSVERSE CONTRACTION JOINT
(FOR CAM, CFA AND LFA BASE COURSE MIXTURES)

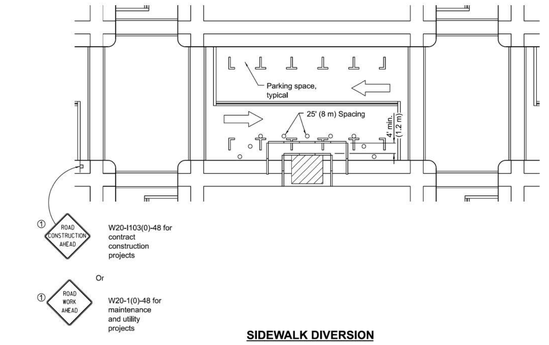
DOWEL BAR TABLE	
PAVEMENT THICKNESS	DOWEL BAR DIAMETER
10 (250) and greater	1½ (38)
8.01 (201) thru 9.99 (249)	1¼ (32)
8 (200) and less	1 (25)

Illinois Department of Transportation
APPROVED January 1, 2022 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

PAVEMENT JOINTS

(Sheet 2 of 2)

STANDARD 420001-10

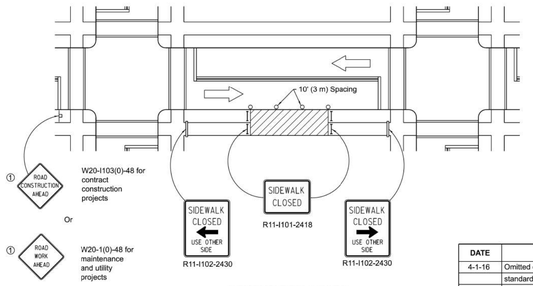


SIDEWALK DIVERSION

① Omit whenever duplicated by road work traffic control.

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade



SIDEWALK CLOSURE

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

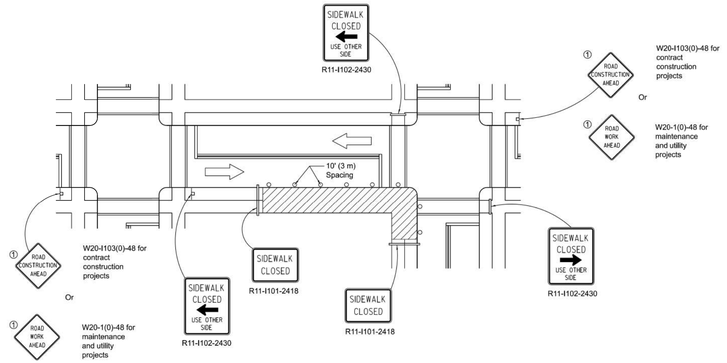
Illinois Department of Transportation
APPROVED January 1, 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

DATE	REVISIONS
4-1-16	Omitted orange safety fence from
	standard as this is covered in
	the standard spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views.
	Renamed Standard.

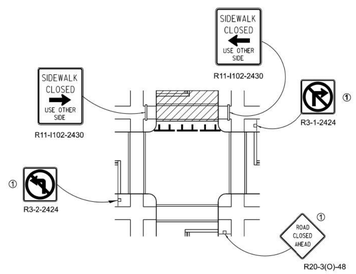
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

Illinois Department of Transportation
APPROVED January 1, 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06

MODEL: Default
FILE NAME: N:\2024\2411108\Drawings\Mstr\CADD_Sheets\ID 241108-shr-details01.dgn

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	DRAWN -	-	-		
PLOT SCALE =	CHECKED -	-	-		
PLOT DATE = 3/12/2025	DATE -	-	-		

BATAVIA

PEDESTRIAN RAMP AT PEACE BRIDGE

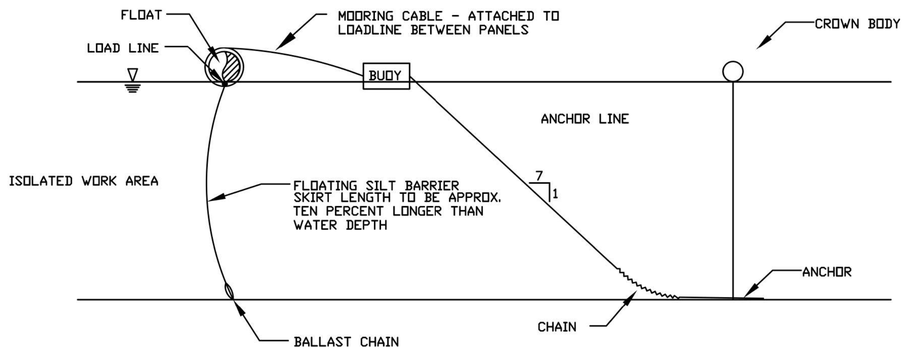
ILLINOIS

CONSTRUCTION DETAILS

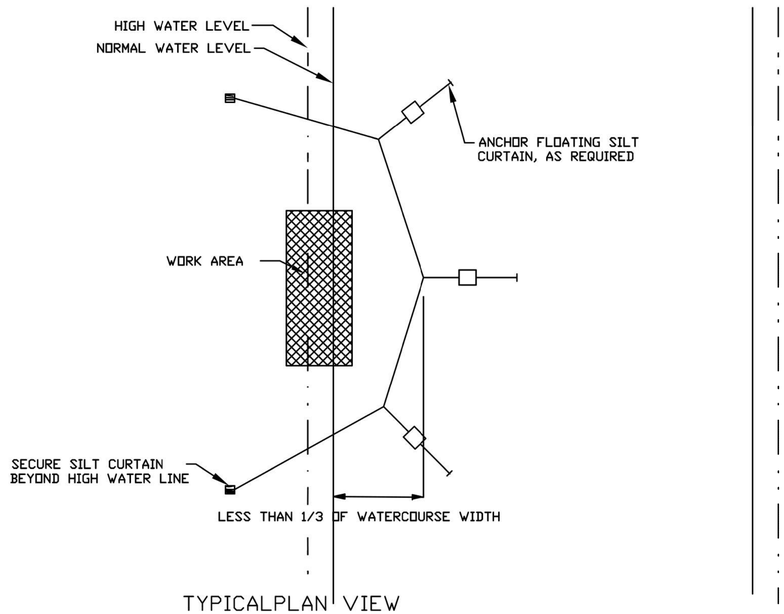
SCALE: NONE | SHEET 7 OF 11 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	47

FLOATING SILT CURTAIN - TYPICAL LAYOUT



TYPICAL COMPONENTS / ANCHORAGE SYSTEM



TYPICALPLAN VIEW

Maximum flow for waterbody shall be less than 5fps.

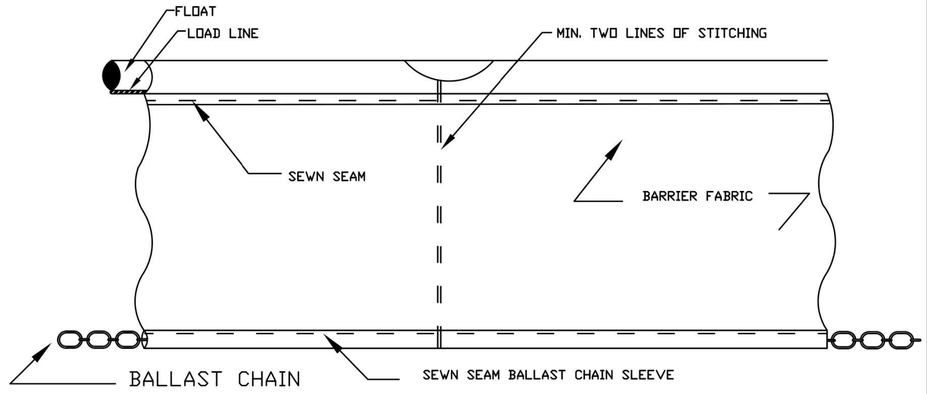
Isolated work area shall not exceed more than 1/3 stream width.

Silt curtain shall be placed parallel to stream flow.

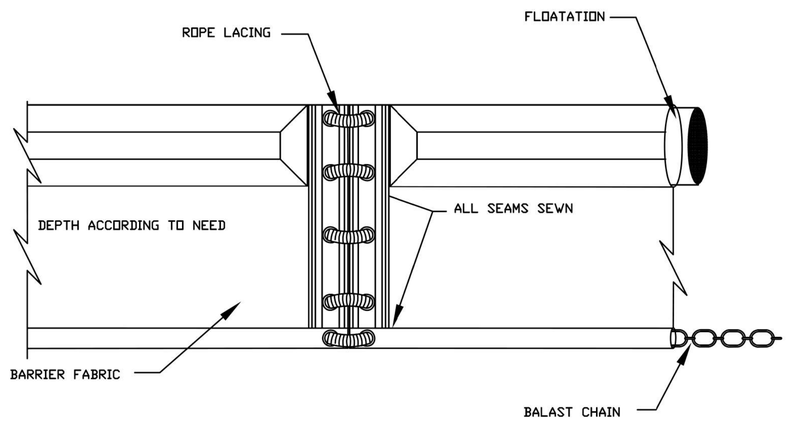
REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-617A
SHEET 1 OF 1
DATE 1-06-2012

FLOATING SILT CURTAIN - PANEL CONNECTORS



SEWN SEAM



GROMMETED HOLES WITH ROPE LACING

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-617B
SHEET 1 OF 1
DATE 1-6-2012

MODEL: Default
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	DRAWN - _____	- _____	- _____	
PLOT SCALE =	CHECKED - _____	- _____	- _____	
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	BATAVIA ILLINOIS

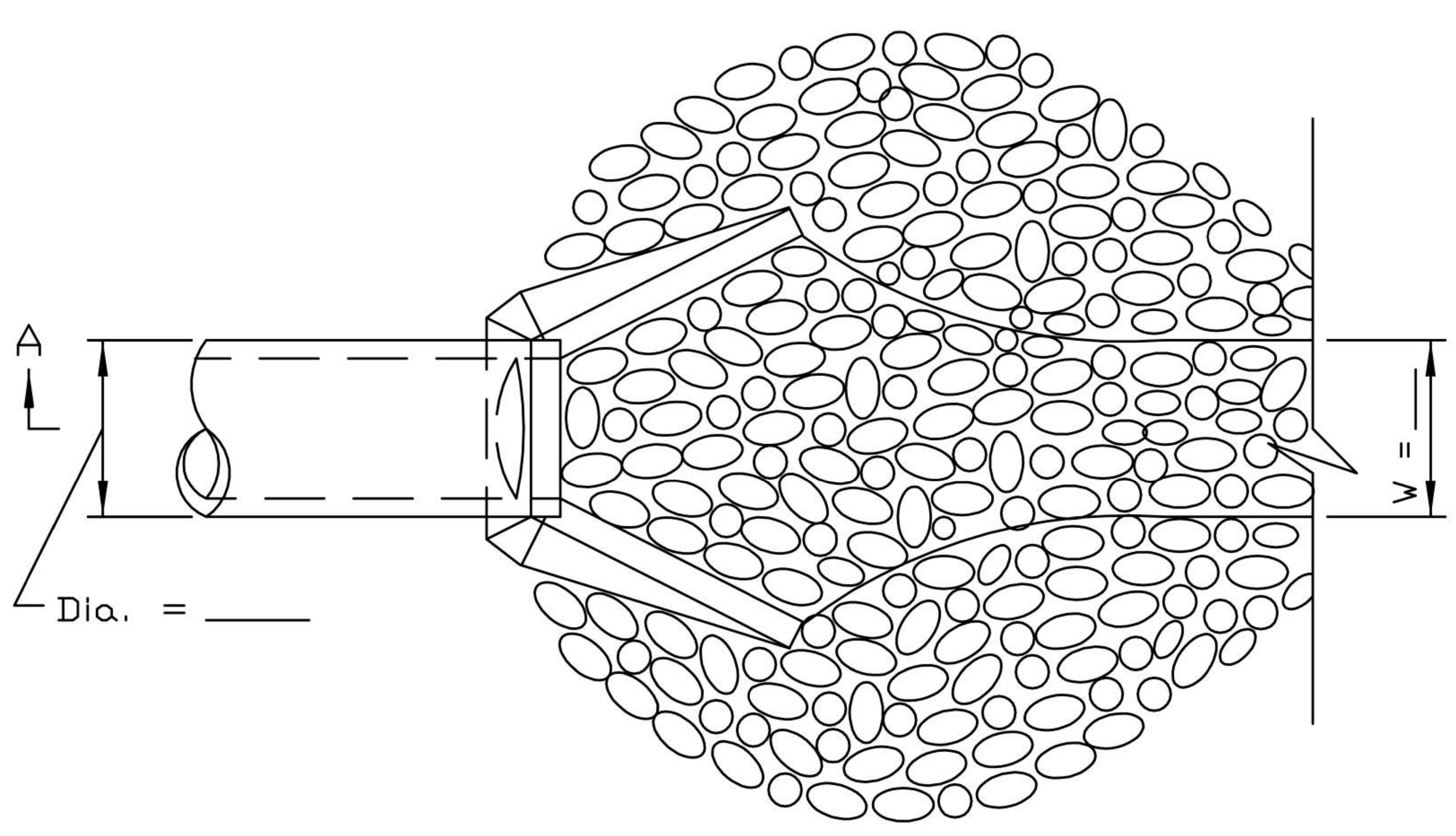
CONSTRUCTION DETAILS

SCALE: NONE | SHEET 8 OF 11 SHEETS | STA. | TO STA.

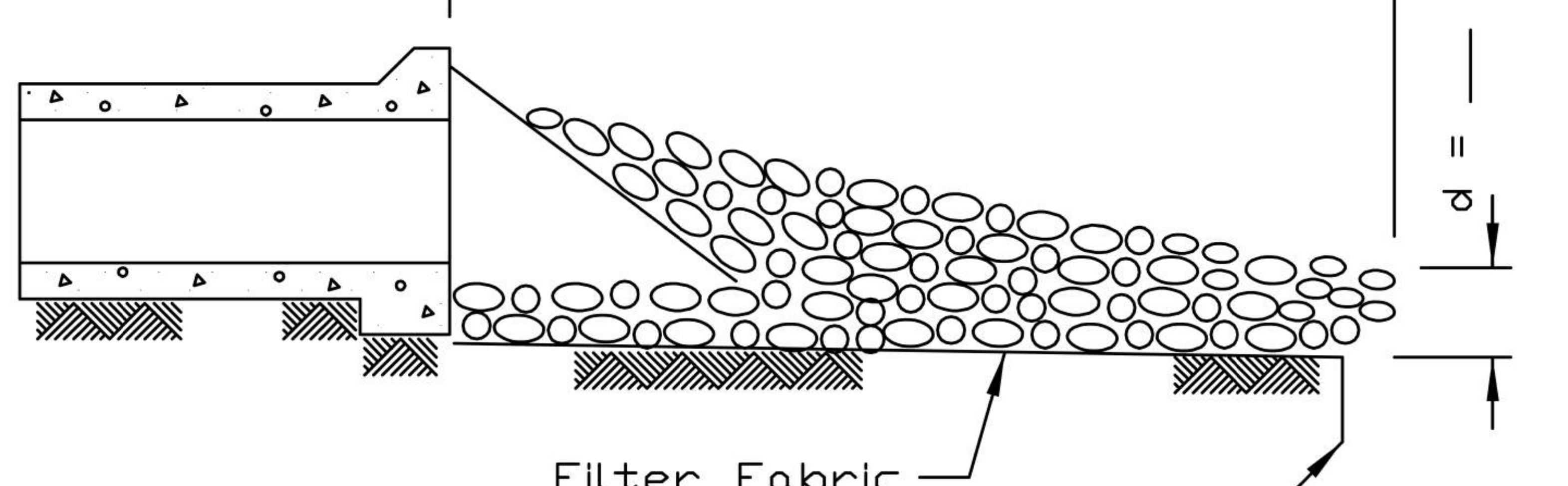
COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	48

PIPE OUTLET TO CHANNEL

Pipe Outlet To Well-Defined Channel



PLAN



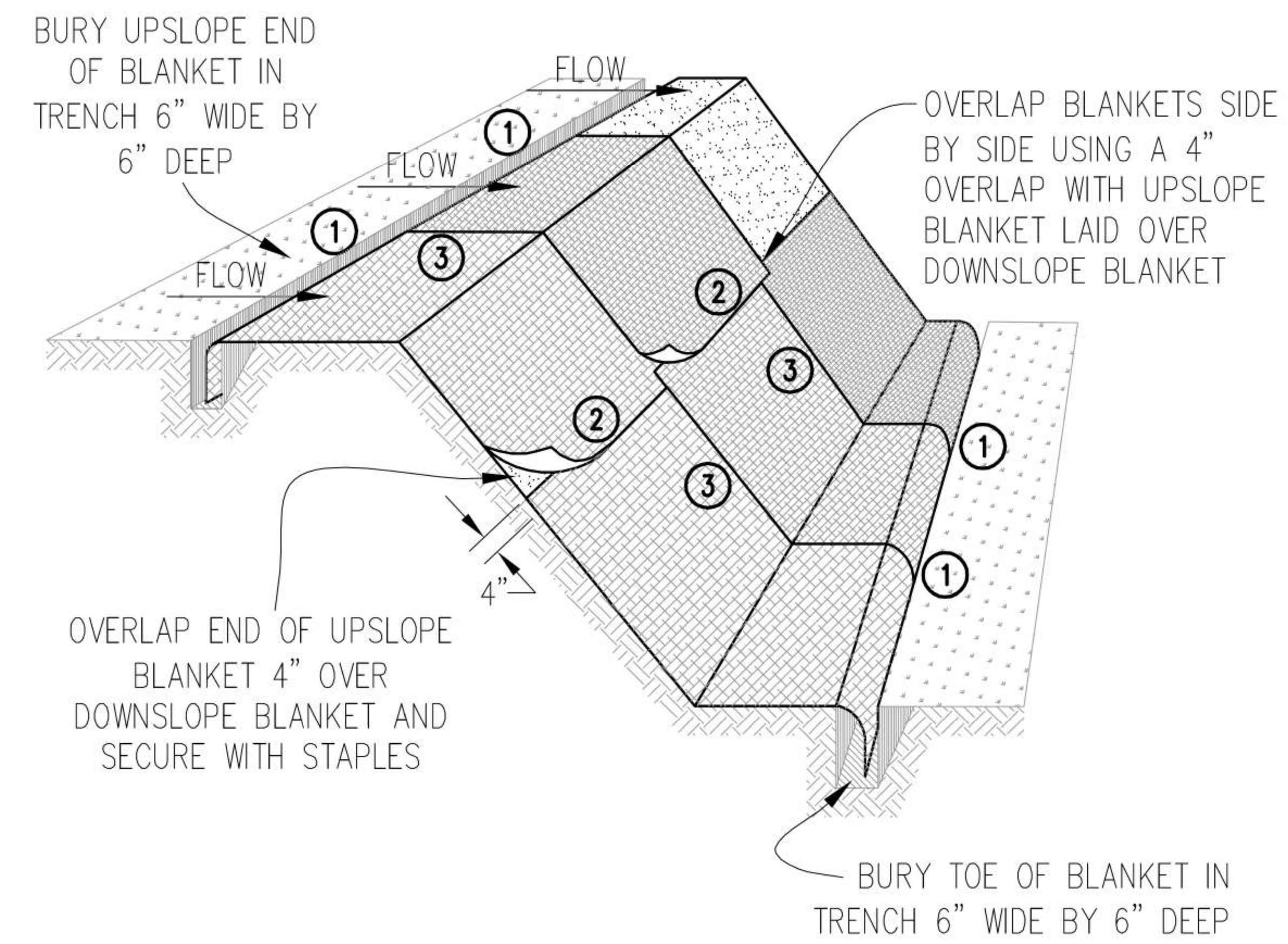
SECTION A-A

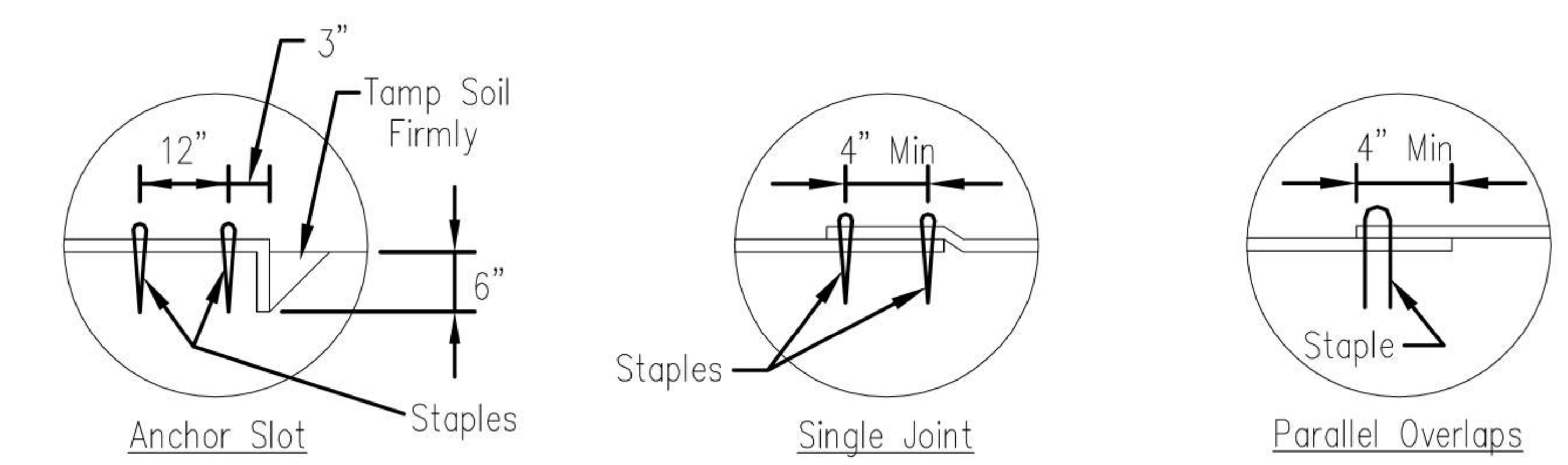
NOTES:

1. The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III.
2. The rock riprap shall meet the IDOT requirements for the following gradation ________ .
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE	NRCS Natural Resources Conservation Service	STANDARD DWG. NO.
Project ____________		IL-611
Designed ____________ Date ______		SHEET 1 OF 1
Checked ____________ Date ______		
Approved ____________ Date ______		DATE 8-18-94

AUTOCAD2006





DETAIL 1 DETAIL 2 DETAIL 3

STAPLE DETAIL PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

Sheet 1 of 1	Drawing No.	File No. IUM-530	EROSION CONTROL BLANKET INSTALLATION DETAILS	Date
				Designed ______
				Drawn B. JOHNSON 11/08
				Checked ______
				Approved ______

MODEL: Default
FILE NAME: N:\2024\241108\Drawings\Mstn\CADD_Sheets\D1241108-sht-details01.dgn

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	DRAWN -	-	-
PLOT SCALE =	CHECKED -	-	-
PLOT DATE = 3/12/2025	DATE -	-	-

BATAVIA — PEDESTRIAN RAMP AT PEACE BRIDGE — ILLINOIS

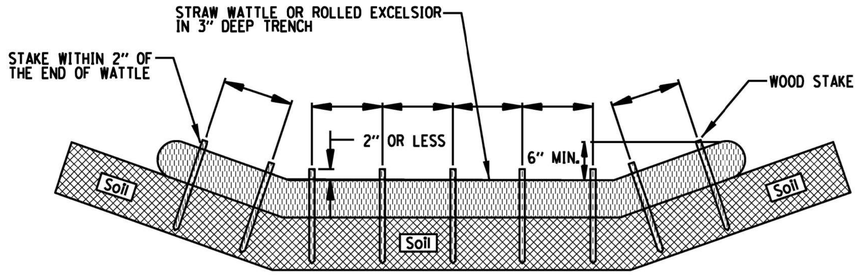
CONSTRUCTION DETAILS

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	49

SCALE: NONE | SHEET 9 OF 11 SHEETS | STA. | TO STA.

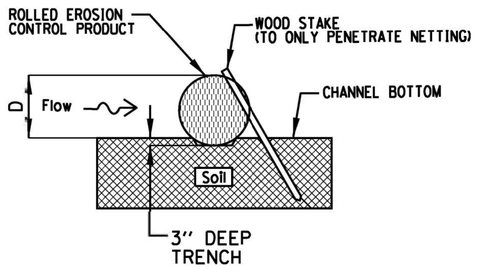
ROLLED EROSION CONTROL PRODUCTS

STAKING PATTERN GUIDE



NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
2. 4' SPACING FOR WATTLES.
3. 2' SPACING FOR ROLLED EXCELSIOR.
4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

STAKE DETAIL



NOTES:
1. DRAWINGS ARE NOT TO SCALE.
2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

REFERENCE
Project _____
Designed _____ Date _____
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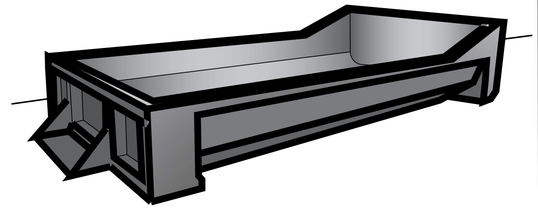
Approved _____ Date _____

STANDARD DWG. NO.
IUM-514
SHEET 1 OF 1
DATE 08-2-2019



EXAMPLE OF PORTABLE CONCRETE WASHOUT CONTAINER

PURPOSE:

TEMPORARY CONCRETE WASHOUT FACILITIES ARE USED TO CONTAIN CONCRETE LIQUIDS WHEN THE CHUTES OF CONCRETE TRUCKS ARE RINSED OUT AFTER DELIVERY OF CONCRETE TO THE CONSTRUCTION SITE. THESE WASHOUT FACILITIES FUNCTION TO CONSOLIDATE SOLIDS FOR DISPOSAL AND PREVENT RUNOFF LIQUIDS ASSOCIATED WITH CONCRETE. FAILURE TO COMPLY WITH APPROPRIATE WASHOUT LOCATION REQUIREMENTS WILL RESULT IN MONETARY DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR.

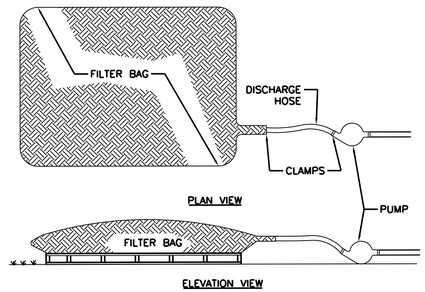
IMPLEMENTATION:

- TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE IN PLACE BEFORE ANY DELIVERY OF CONCRETE TO THE CONSTRUCTION SITE.
- TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE LOCATED AT LEAST 50 FEET FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, OR WATER BODIES. EACH FACILITY IS TO BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
- A SIGN IS TO BE INSTALLED ADJACENT TO EACH TEMPORARY CONCRETE WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS OF THE DESIGNATED WASHOUT FACILITY.

INSPECTION/MAINTENANCE/REMOVAL:

- TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED DURING WEEKLY EROSION AND SEDIMENT CONTROL INSPECTION, AFTER A STORM EVENT OF ½" OR GREATER AND AT THE END OF ANY DAY WHEN CONCRETE HAS BEEN POURED ON THE CONSTRUCTION SITE. THE INSPECTOR IS TO ENSURE THAT THERE ARE NO LEAKS, NO SPILLS AND THAT THE FACILITIES CAPACITY HAS NOT YET BEEN COMPROMISED.
- ANY OVERFLOWING OF THE WASHOUT FACILITIES ONTO THE GROUND MUST BE CLEANED UP AND REMOVED WITHIN 24 HOURS OF DISCOVERY.
- IF A RAIN OR SNOW EVENT IS FORECASTED, A NON-COLLAPSING, NON-WATER COLLECTING COVER SHALL BE PLACED OVER THE WASHOUT FACILITY AND SECURED TO PREVENT ACCUMULATION AND OVERFLOW OF PRECIPITATION.
- CONTENTS OF EACH CONCRETE WASHOUT FACILITY ARE NOT TO EXCEED 75% OF ITS DESIGNED CAPACITY. IF THE CONTENTS REACH 75% CAPACITY, DISCONTINUE POURING CONCRETE INTO THE FACILITY UNTIL IT HAS BEEN CLEANED OUT.
- ALLOW SLURRY TO EVAPORATE OR REMOVE FROM THE SITE IN A SAFE MANNER (IE. VACUUM TRUCK). ALL HARDENED MATERIAL CAN THEN BE REMOVED AND DISPOSED OF PROPERLY.
- IF A LINED BASIN IS USED, IMMEDIATELY REPLACE THE LINER IF IT BECOMES DAMAGED.
- REMOVE TEMPORARY CONCRETE WASHOUT FACILITIES WHEN THEY ARE NO LONGER NEEDED AND RESTORE THE DISTURBED AREAS TO THEIR ORIGINAL CONDITION.
- NOT THE LOCATIONS OF TEMPORARY CONCRETE WASHOUT FACILITIES AND CHANGES TO THESE FACILITIES ON THE SWPPP.

PORTABLE CONCRETE WASHOUT CONTAINER



NOTE: FILTER BAG SHALL BE PLACED ON A WELL VEGETATED GRASSY AREA OR SURROUNDED BY PERIMETER SEDIMENT PROTECTION.

DEWATERING PLAN TO BE PREPARED BY CONTRACTOR AND APPROVED PRIOR TO CONSTRUCTION.

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME ½ FULL OF SEDIMENT. SPARE BAGS SHALL BE AVAILABLE ON SITE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. HOWEVER, IF NECESSARY TO CAPTURE ANY REMAINING SEDIMENT WITHIN THE RUNOFF AND GIVEN THE SITE SPECIFIC CONDITIONS A COMPOST BERM, COMPOST FILTER SOCK OR WATTLE SHALL BE INSTALLED BELOW BAGS LOCATED WITHIN 100 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR ½ THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED AT LEAST ONCE DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND SHALL NOT RESUME UNTIL A REMEDIAL SOLUTION IS ESTABLISHED AND THE PROBLEM IS CORRECTED.

SEDIMENT FILTRATION BAGS SHALL BE RAISED ABOVE THE SUPPORTING GROUND ON A SURFACE, OR MATERIAL, THAT ALLOWS WATER TO FLOW OUT OF THE BOTTOM OF THE BAG AT THE RESPECTIVE DESIGN DISCHARGE RATE FOR THE SEDIMENT FILTER BAG SELECTED.

DEWATERING FILTER BAG DETAIL

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www.v3co.com

USER NAME = mfortmann	DESIGNED - _____	- _____	- _____	PEDESTRIAN RAMP AT PEACE BRIDGE
	DRAWN - _____	- _____	- _____	
PLOT SCALE =	CHECKED - _____	- _____	- _____	BATAVIA ILLINOIS
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____	CONSTRUCTION DETAILS

SCALE: NONE	SHEET 10 OF 11 SHEETS	STA.	TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	50

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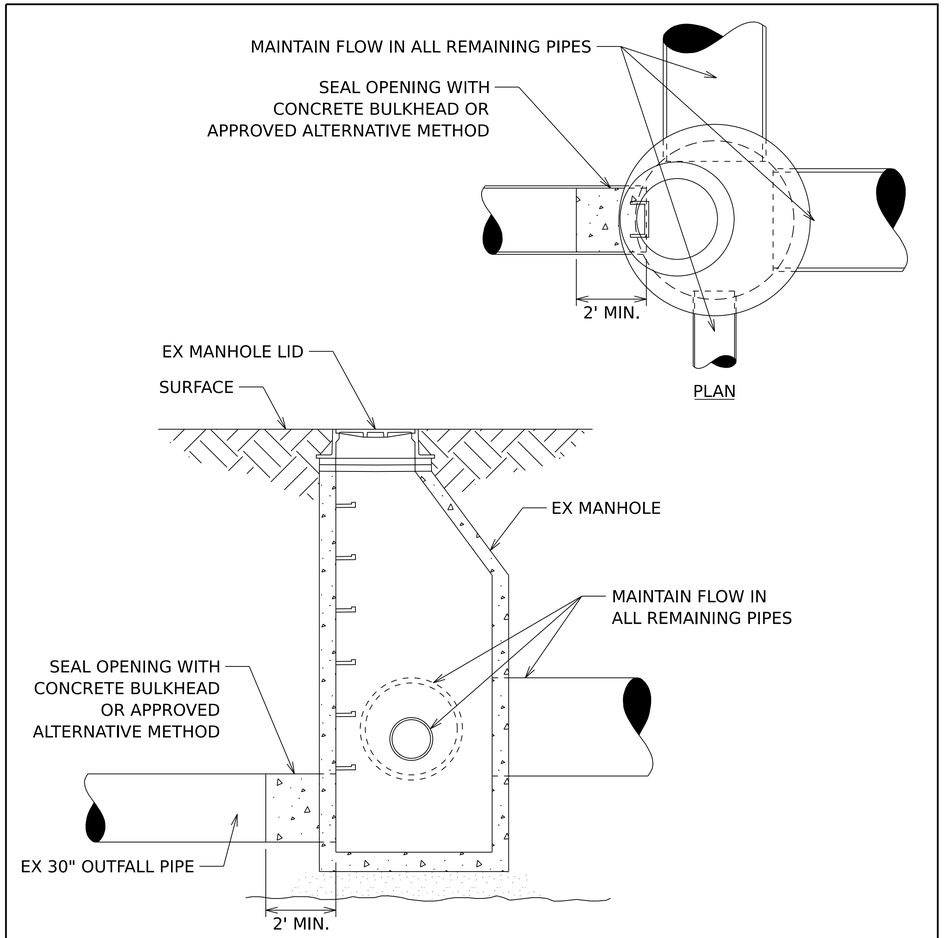

NOTE:

1. THE END OF THE EXISTING OUTFALL PIPE SHALL BE SEALED WITH CONCRETE BULKHEAD OF THE SPECIFIED DIAMETER OR APPROVED ALTERNATIVE METHOD.
2. THE MINIMUM THICKNESS OF THE CONCRETE TO THE PLUG SHALL BE TWO PIPE DIAMETERS UP TO 24 INCHES.
3. THE SEWER SHALL BE PLUGGED WITH NON-SHRINK CONCRETE/MORTAR PLUG TO THE SATISFACTION OF THE ENGINEER.
4. THE FLOW SHALL BE MAINTAINED IN ALL REMAINING PIPES.

CONCRETE BULKHEAD IN EXISTING MANHOLE

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	DRAWN - _____	- _____	- _____
PLOT SCALE =	CHECKED - _____	- _____	- _____
PLOT DATE = 3/12/2025	DATE - _____	- _____	- _____

PEDESTRIAN RAMP AT PEACE BRIDGE
BATAVIA ILLINOIS

CONSTRUCTION DETAILS
SCALE: NONE | SHEET 11 OF 11 SHEETS | STA. | TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	51	51

MODEL: Default
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