



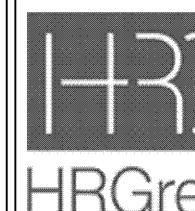
## SUMMARY OF QUANTITIES

No.	Item	Quant.	Unit
1	CONSTRUCTION LAYOUT	1	LSUM
2	MOBILIZATION	1	LSUM
3	TRAFFIC CONTROL AND PROTECTION, SPECIAL	1	LSUM
4	PROTECTION OF EXISITNG PLANT MATERIAL	150	FEET
5	TREE REMOVAL (OVER 15 UNITS DIAMETER)	28	UNIT
6	SHRUB REMOVAL	22	SQ YD
7	REMOVE AND SALVAGE TEMPORARY CHAIN-LINK FENCE	160	FOOT
8	REMOVE ROCK AND BRICK WALL AND WALL CAP (SPECIAL)	322	FOOT
9	CONCRETE SHORELINE REMOVAL (SPECIAL)	160	SQ YD
10	CONCRETE SIDEWALK REMOVAL, ADJACENT TO WALL CAP	1,606	SQ FT
11	NON-SPECIAL WASTE DISPOSAL	267	CU YD
12	SPECIAL WASTE DISPOSAL	10	CU YD
13	SPECIAL WASTE PLANS AND REPORTS	1	LSUM
14	SOIL DISPOSAL ANALYSIS	1	EACH
15	TEMPORARY ASPHALT WALKWAY	8	FOOT
16	TEMPORARY CHAIN LINK FENCE	1,025	FOOT
17	INLET AND PIPE PROTECTION	5	EACH
18	FLOATING SILT CURTAIN	455	FOOT
19	COFFER DAM, SPECIAL	3	EACH
20	NATURAL STONE TOE ARMORING	400	SQ YD
21	CONCRETE COLLAR	0.75	CU YD
22	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	1	EACH
23	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	2	EACH
24	TOPSOIL, 4 "	418	SQ YD
25	SEEDING, CLASS 1	0.08	AC
26	EROSION CONTROL BLANKET, SC150-BN	418	SQ YD
27	TEMPORARY HOT-MIX ASPHALT REMOVAL	8	FOOT
28	REMOVE EXISTING MANHOLE	1	EACH
29	STORM SEWER, CLASS A 1 RCP, 18"	13	FOOT
30	PCC PATH REMOVAL	887	SQ FT
31	PCC SIDEWALK	887	SQ FT
32	RIPRAP RR-3, CLASS A3	80	SQ YD
33	RECORD DRAWINGS	1	LSUM

## INDEX OF SHEETS

NO.	DESCRIPTION
<b>GENERAL SHEETS</b>	
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2	INDEX OF SHEETS & SUMMARY OF QUANTITIES
3	BENCHMARKS, UTILITY CONTACTS, SYMBOLS, & LEGENDS
4	GENERAL NOTES
<b>EXISTING CONDITIONS PLANS</b>	
5	EXISTING CONDITIONS PLAN
<b>EROSION CONTROL, REMOVAL, PEDESTRIAN AND TRAFFIC ROUTING PLANS</b>	
6	EROSION CONTROL AND REMOVAL PLAN
7	PEDESTRIAN AND TRAFFIC ROUTING PLAN
<b>GRADING PLANS</b>	
8	BANK STABILIZATION PLAN
<b>RESTORATION PLANS</b>	
9	RESTORATION PLAN
<b>DETAILS</b>	
10	EROSION/RESTORATION NOTES & SPECIFICATIONS
11 - 13	ILLINOIS URBAN MANUAL DETAILS
14 - 15	STANDARD CONSTRUCTION DETAILS
<b>CROSS SECTIONS</b>	
16	BANK STABILIZATION CROSS SECTIONS

<u>SITE BENCHMARKS:</u>	
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)	
SOURCE BENCHMARK: NGS MONUMENT M 222 (PID NH0580) ELEVATION: 720.50 (NAVD88)	
SITE BENCHMARK 50: CUT SQUARE LOCATED NORTHEAST CORNER OF THE ABUTMENT FOR THE PEDESTRIAN BRIDGE LOCATED NORTHERLY OF JEFFERSON STREET ELEVATION: 708.65 (NAVD88)	
SITE BENCHMARK 70: ARROW BOLT ON THE FIRE HYDRANT LOCATED AT THE SOUTHEAST CORNER OF THE BUILDING AT 100 PARK AVENUE ELEVATION: 714.72 (NAVD88)	

<u>UTILITY CONTACTS</u>						
 <b>City of Rockford</b> Jefferson St Bank Stabilization HR Green Project No.: 2404245		JULIE Design Ticket: #X250721132 Ticket Date: 3/13/2025				
<u>Contact Information</u>						
Julie Design Ticket						
Original Contact						
Current Contact						
No.	Utility Owner	Utility Company Reference Number	Contact(s)	Telephone	Email	Address
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2	ATT	ATTOA	Att/Distribution		g11629@att.com	1000 Commerce Drive, Floor 1 Oak Brook, Illinois 60523
3	City of Rockford	RKFD0A	Kelly Nokes	(815) 218-7355		425 E State St Rockford, IL 61104
		RKFD1A	Justin Christman	(779) 256-9941		426 E State St Rockford, IL 61104
			Royal Wurm	(815) 703-3539		426 E State St Rockford, IL 61104
4	Comcast	COMC0A	Martha Gieras	(224) 229-5862	martha_gieras@cable.comcast.com	Comcast Cable Services 680 Industrial Drive Elmhurst, Illinois 60126
5	ComEd	CECO0A	Virginia Rodriguez, USIC	(630) 396-8226	virginiarodriguez@usicllc.com	860 Oak Creek Dr Lombard, IL 60148
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8	Nicor	NICR0A	Karey Johnson	(224) 471-9356	gasmaps@southernco.com cc: karejohn@southernco.com	

<u>STANDARD ABBREVIATIONS</u>	
B-B	BACK TO BACK OF CURB
B.C.	BACK OF CURB
B.O.C.	BACK OF CURB
B.S.L.	BUILDING SETBACK LINE
C.B.	STORM CATCH BASIN
C.E.	COMMONWEALTH EDISON CO.
D.E.	DRAINAGE EASEMENT
E-E	EDGE TO EDGE OF PAVEMENT
E.O.P.	EDGE OF PAVEMENT
E.O.S.	EDGE OF SHOULDER
E.P.	EDGE OF PAVEMENT
E.S.	EDGE OF SHOULDER
F.E.S.	FLARED END SECTION
I.B.T.	ILLINOIS BELL TELEPHONE CO.
L.E.	LANDSCAPE EASEMENT
M.H.	MANHOLE (TYPE SPECIFIED ON PLANS)
R.C.M.E.	ROAD CONSTRUCTION & MAINTENANCE EASEMENT
R.O.W.	RIGHT OF WAY
T.B.F.	TRENCH BACKFILL
T.C.	TOP OF CURB
T.C.E.	TEMPORARY CONSTRUCTION EASEMENT
T.O.B.	TOP OF BERM
T.O.C.	TOP OF CURB
U.E.	UTILITY EASEMENT

<u>SYMBOL LEGEND</u>	
<u>EXISTING</u>	<u>PROPOSED</u>
SANITARY MANHOLE	◎
STORM MANHOLE	◎
STORM CATCH BASIN/INLET	◎
INLET	□
FLARED END SECTION	△
VALVE VAULT	⊗
WATER SERVICE VALVE	○
WATER B-BOX	☒
INDICATES WATER MAIN LINE STOP	☒
INDICATES PRESSURE VALVE INSERT	☒
CUT AND CAP	☒
FIRE HYDRANT WITH AUXILIARY VALVE	◎
LIGHT POLE	☒
REGULATORY SIGN	☒
UTILITY POLE	☒
UTILITY BOX	☒
MAILBOX	☒
WELL	☒
SANITARY SEWER	→
STORM SEWER	→
COMBINATION STORM AND SANITARY SEWER	→
CULVERT	□ □ □ □
PERFORATED UNDERDRAIN	↙
WATER MAIN	↔
WATER MAIN ENCASING	↔
TRENCH BACKFILL	↔
SANITARY FORCE MAIN	↔
ELECTRIC LINE	↔
AERIAL UTILITY LINE	↔
UNDERGROUND ELECTRIC	↔
TELEPHONE LINE	↔
GAS LINE	↔
CABLE TV LINE	↔
FIBER OPTIC LINE	↔
RAILROAD TRACKS	
TREE LINE	○○○○
TREE	○○○○
CONTOURS	—
SPOT ELEVATION	—
FENCE	— x —
WETLAND	— — —
MARSH / WETLAND	▲▲▲▲
RIPRAP	██████████
DRAINAGE DIRECTION ARROW	→
DRAINAGE OVERFLOW DIRECTION	→

**GENERAL NOTES:**

- ALL ITEMS OF THIS PROJECT SHALL BE GOVERNED BY SPECIFICATIONS INCLUDED IN THE DOCUMENTS LISTED BELOW:
  - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED BY SAID DEPARTMENT (LATEST EDITION).
  - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION).
  - "IDOT DESIGN ENVIRONMENT MANUAL" (BDE) BY ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION).
  - "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" - FEDERAL HIGHWAY ADMINISTRATION MUTCD (LATEST EDITION).
  - "ILLINOIS SUPPLEMENT TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (LATEST EDITION).
  - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST EDITION).
  - "ILLINOIS URBAN MANUAL" PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE NRCS AND MAINTAINED BY THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS (LATEST EDITION).
  - "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY IEPA, ILLINOIS URBAN MANUAL - A TECHNICAL MANUAL DESIGNED FOR URBAN ECOSYSTEM PROTECTION AND ENHANCEMENT, (LATEST EDITION).
  - "CITY OF ROCKFORD STORMWATER MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL"
  - "CITY OF ROCKFORD MUNICIPAL CODE AND ENGINEERING STANDARDS"
- IN THESE CONTRACT DOCUMENTS MENTION IS MADE OF THE "ENGINEER", WHICH SHALL MEAN THE CITY OF ROCKFORD OR THEIR DULY AUTHORIZED AGENT. IN THESE CONTRACT DOCUMENTS MENTION IS MADE OF THE "OWNER", WHICH SHALL MEAN CITY OF ROCKFORD, OR THEIR DULY AWARDED AGENT.
- AS PART OF THE BIDDING PROCEDURE, THE CONTRACTOR SHALL VERIFY THAT THE QUANTITIES FOR PAY ITEMS, AS PRESENTED IN THESE PLAN DOCUMENTS, ARE SUBSTANTIALLY CORRECT. IF DISCREPANCIES ARE DETECTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE DISCREPANCY PRIOR TO THE BID DATE.
- QUANTITIES SHOWN ARE ESTIMATES FOR INFORMATION ONLY. PAYMENT WILL BE BASED ON ACTUAL QUANTITIES MEASURED IN THE FIELD OR ON PAYMENT LIMIT DETAILS.
- THE CONTRACTOR SHALL BE PAID FOR MATERIALS AND EQUIPMENT SUCCESSFULLY INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS MEASURED OR VERIFIED IN PLACE BY THE ENGINEER OR THEIR AGENT.
- IN CASE OF CONFLICT BETWEEN THE ABOVE-MENTIONED SPECIFICATIONS, THE ENGINEER SHALL DETERMINE WHICH OF THE SPECIFICATIONS SHALL GOVERN. THE ENGINEER'S DECISION SHALL BE FINAL AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED UNLESS APPROVED BY THE ENGINEER.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE OWNER. IMPROVEMENT REPRESENTATIONS AS SHOWN ON THESE PLANS ARE NOT TO BE ASSEMBLED OR USED AS A PAY ITEM. HOWEVER, SOME FIELD REVISIONS MAY BE REQUIRED TO ACCOMMODATE UNFORESEEN CIRCUMSTANCES. THE ENGINEER SHALL BE ADVISED OF ANY NECESSARY REVISIONS WITH SUFFICIENT LEAD TIME ALLOWED TO PROPERLY CONSIDER AND ACT UPON SAID REQUESTS. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED IN CONSTRUCTING THOSE IMPROVEMENTS AS DETAILED IN THIS ENGINEERING PLAN.
- THE ENGINEER SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE OR REJECT THE WORKMANSHIP AND/OR MATERIALS WHICH GO TO MAKE UP IMPROVEMENTS AS DETAILED IN THESE PLANS AND SPECIFICATIONS.
- GENERAL SAFETY PROVISION: TO PROVIDE DRIVERS WITH SAFE TRAVEL CONDITIONS DURING THE CONSTRUCTION PROJECT, AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, THE RULES, REGULATIONS, AND CONDITIONS STATED BELOW WILL PREVAIL FOR THE DURATION OF THIS CONTRACT. ANY EMPLOYEE OF THE CONTRACTOR OR HIS SUBCONTRACTORS WHO REFUSES TO COMPLY WITH THESE GENERAL SAFETY PROVISIONS SHALL BE REMOVED FROM THE JOB SITE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR AND ANY SUBCONTRACTORS RETAINED BY HIM SHALL COMPLY WITH THE STATE AND FEDERAL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA), JULY 1, 1987, AS IT RELATES TO CONTRACTOR'S OPERATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCIDENTAL TO THE CONTRACT.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR DISTURBED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS AND RIGHT-OF-WAY PINS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS. REPLACEMENT OF MONUMENTS WILL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL REMOVE, STORE, AND RELOCATE TO THE SATISFACTION OF THE ENGINEER ALL EXISTING SIGNAGE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS, AND CONSIDER THIS AS INCIDENTAL TO THE CONTRACT.
- OUTSIDE THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION OF ANY AND ALL EXISTING CONDITIONS OUTSIDE THE RIGHT-OF-WAY. ANY SIGNS REMOVED FOR CONSTRUCTION PURPOSES SHALL BE CAREFULLY REMOVED AND RE-ERECTED BY THE CONTRACTOR AT A LOCATION NEAREST TO THE ORIGINAL LOCATION, OR AT A LOCATION DETERMINED BY THE ENGINEER IN THE FIELD. REMOVAL AND RE-ERECTED SIGNS AND ANY DAMAGE DONE TO EXISTING SIGNS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE. LABOR NOT SPECIFICALLY IDENTIFIED SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- AT THE END OF EACH DAY, THE CONTRACTOR SHALL SECURE THE CONSTRUCTION WORK ZONE FROM POTENTIAL INTRUDERS.
- THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER OF ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN LINES AND GRADES AND SHALL NOT PROCEED WITH THE WORK UNTIL ALL LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE ENGINEER OR HIS REPRESENTATIVE.
- THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- ALL ITEMS TO BE REMOVED AND NOT DEFINED AS A PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- ALL EXCESS EARTH EXCAVATION, EXCESS MATERIALS, OR OTHER REMOVED ITEMS SHALL BE HAULED OFF-SITE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE APPROVED BY THE OWNER.
- THIS WORK SHALL BE IN ACCORDANCE WITH SECTION 201 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS', CURRENT EDITION. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL OBSTRUCTIONS, TREES, DEBRIS AND WASH AS DESIGNATED BY THE OWNER AND AS INDICATED ON THE PLANS. ALL MATERIALS SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE, DURING

CONSTRUCTION, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE EXISTING TREES AND LANDSCAPE. ONLY THOSE ITEMS DESIGNATED BY THE OWNER SHALL BE REMOVED.

- WHEN ARTIFICIAL LIGHTING IS UTILIZED DURING NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AS WELL AS ADJOINING RESIDENTIAL AREAS.
- THE CONTRACTOR IS REQUIRED TO STAY WITHIN THE NOTED PROPERTY BOUNDARIES RIGHT-OF-WAY AND EASEMENTS AS SHOWN IN THE PLANS. ANY ADDITIONAL EASEMENTS SHALL BE SECURED BY THE CONTRACTOR AT NO EXTRA COST.
- ANY AREAS DAMAGED OR DISTURBED DURING THE PROJECT AS A DIRECT OR INDIRECT RESULT OF CONTRACTOR OPERATIONS, SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION. THE COST OF SAID RESTORATION OR REPAIR SHALL BE BORNE TOTALLY BY THE CONTRACTOR, WITH NO EXTRA COMPENSATION BEING AWARDED UNDER THIS CONTRACT. THE RESPONSIBILITY FOR THE REPAIR OR REPLACEMENT OF ANY UTILITY, STRUCTURE, LANDSCAPING, ETC., DAMAGED OR DESTROYED BY THE CONTRACTOR DURING MOBILIZATION OR CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR, WITH NO EXPENSE BEING CHARGED TO THE ENGINEER OR OWNER. PRIOR TO ACCEPTANCE OF THE REPAIR OR REPLACEMENT, THE CONTRACTOR SHALL PRESENT THE OWNER WITH A "SIGNOFF LETTER", SIGNED BY A RESPONSIBLE OFFICIAL OF THE OWNER OF THE DAMAGED UTILITY STATING THAT THE REPAIR OR REPLACEMENT IS ACCEPTABLE.
- REMOVAL OF EXISTING STORM SEWER TO CONSTRUCT PROPOSED STORM SEWER IS INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

**CONSTRUCTION STAKING**

- CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING AND STAKING ALL GRADES AS INDICATED ON ANY APPLICABLE PLANS AND CROSS SECTIONS. ANY DEVIATION FROM CURRENT GRADES WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER WILL NOT BE ACCEPTED FOR PAYMENT UNTIL THE CONTRACTOR HAS CORRECTED THE CONSTRUCTION TO THE SATISFACTION OF OWNERSHIP.

**EROSION CONTROL NOTES**

- UNLESS OTHERWISE SPECIFIED, ALL EROSION AND SEDIMENT CONTROL MEASURES AND THEIR MAINTENANCE, CLEARING AND REMOVAL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR SHALL BE RESPONSIBLE FOR SEDIMENT AND EROSION CONTROL MEASURES OR CONSTRUCTION ACTIVITIES THAT DISTURB SITE SOIL.
- THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THESE EROSION CONTROL PLANS BEFORE CONSTRUCTION BEGINS.
- THE CONTROLS SHALL BE INSTALLED AS DETAILED AND WERE INDICATED ON THE EROSION CONTROL PLAN SHEETS AND AS DIRECTED BY THE INSPECTOR.
- SITE ACTIVITIES SHOULD ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE PRACTICABLE.
- DISTURBED PORTIONS OF THE SITE SHALL BE STABILIZED (TEMPORARILY OR PERMANENTLY SEEDED, MULCHED, SODDED OR PAVED) AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- UNTIL SUCH TIME AS THE PROJECT SITE REACHES FINAL STABILIZATION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST, REPAIR, OR REPLACE ALL VEGETATION, EROSION CONTROLS, SEDIMENT CONTROLS, AND ANY OTHER PROTECTIVE MEASURES AS REQUIRED IN ORDER TO MAINTAIN THEIR INTENDED FUNCTION IN A GOOD AND EFFECTIVE OPERATING CONDITION.
- EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER EXPECTED DURING THE CONSTRUCTION PROCESS THAT MAY BE COMBINED WITH STORM WATER DISCHARGES ARE:

  - FIRE HYDRANT FLUSHING
  - WATER USED TO WASH VEHICLES (DETERGENTS ARE NOT TO BE USED)
  - WATER USED TO CONTROL DUST
  - POTABLE WATER FROM WATER MAIN FLUSHING
  - LANDSCAPE IRRIGATION DRAINAGE
  - UNCONTAMINATED WATER FROM DEWATERING EXCAVATED TRENCHES
  - PAVEMENT WASH/WATER WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL HAS BEEN REMOVED) ALSO, DETERGENTS ARE NOT TO BE USED
  - UNCONTAMINATED AIR CONDITIONING CONDENSATE
  - THE ABOVE NON-STORM WATER DISCHARGES SHALL BE DRAINED AWAY FROM UNPROTECTED, BARE, OR OTHERWISE UNSTABILIZED SOIL. THE CONTRACTOR SHALL FURTHER IMPLEMENT APPROPRIATE POLLUTION PREVENTION MEASURES TO ENSURE THAT ANY OF THE ABOVE DISCHARGES DO NOT CAUSE EROSION OR DEGRADE THE QUALITY OF RUNOFF FROM THE CONSTRUCTION SITE.

- THE INSPECTOR SHALL HAVE AUTHORIZATION TO DETERMINE THE ADEQUACY OF THE CONTRACTOR'S EROSION CONTROL EFFORTS. THE OWNER OR THE INSPECTOR SHALL HAVE FULL AUTHORITY OVER THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR TO CAUSE POLLUTANT CONTROL MEASURES TO BE REPAIRED, MODIFIED, MAINTAINED, SUPPLEMENTED, OR WHATEVER ELSE IS NECESSARY IN ORDER TO ACHIEVE EFFECTIVE POLLUTANT CONTROL OR TO SUSPEND OR LIMIT THE CONTRACTOR'S OPERATIONS PENDING ADEQUATE PERFORMANCE.
- PERIMETER EROSION BARRIER TO BE CONSTRUCTED OF SILT FENCE UNLESS NOTED OTHERWISE.
- EROSION CONTROL BLANKET SHALL BE OF NORTH AMERICAN GREEN DS75 OR APPROVED EQUAL.
- A TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE CONSTRUCTED AT A LOCATION APPROVED BY THE ENGINEER. WASHOUT FACILITY SHALL BE UTILIZED FOR ALL APPLIED OPERATIONS.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED, TO THE DIMENSIONS AS SHOWN, AT APPROVED LOCATIONS FOR THIS PROJECT. ALL CONSTRUCTION TRAFFIC MUST UTILIZE THE STABILIZED CONSTRUCTION ENTRANCES WHEN EXITING THE SITE. ALL COST FOR EROSION CONTROL AND RESTORATION WORK ASSOCIATED WITH THE APPROVED STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- TEMPORARY EROSION CONTROL MEASURES INCLUDE TEMPORARY DITCH CHECKS, PERIMETER EROSION BARRIER, INLET AND PIPE PROTECTION, TEMPORARY SEEDING, AND ANY OTHER TEMPORARY EROSION CONTROL MEASURE NEEDED TO LIMIT THE AMOUNT OF SOIL EROSION AND SEDIMENTATION DURING CONSTRUCTION.
- AT THE COMPLETION OF THE PROJECT, ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED FROM THE SITE AND BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR MUST STABILIZE ANY AREA DISTURBED BY THE REMOVAL OF EROSION CONTROL ITEMS.
- CONTRACTOR SHALL CLEAN ANY DEBRIS TRACKED OFFSITE DAILY.
- THE CONTRACTOR'S RESPONSIBILITY FOR EROSION CONTROL SHALL EXTEND THROUGHOUT THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF PAVED SURFACES WITHIN AND ADJACENT TO THE PROJECT ON A TIMELY BASIS AND/OR AT THE DIRECTION OF THE CITY OF ROCKFORD.
- ALL CONSTRUCTION WILL ADHERE TO THE REQUIREMENTS SET FORTH IN THE IEPA'S GENERAL NPDES PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION SITE ACTIVITIES.
- EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EVERY STORM OF ONE HALF INCH OF RAINFALL OR GREATER BY THE ENGINEER. AN INSPECTION REPORT MUST BE SUBMITTED BY THE ENGINEER TO THE CITY FOLLOWING EACH INSPECTION. ANY REPAIRS OR REPLACEMENT NEEDED TO ENSURE ADEQUATE EROSION CONTROL MUST BE MADE IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

**SEEDING OF DISTURBED AREAS**

- THE FINAL TOP 4" INCHES OF SOIL IN ANY DISTURBANCE AREA MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION.
- FERTILIZER HAVING AN ANALYSIS OF 10-10-10 SHALL BE APPLIED AT A RATE OF 90 LBS/ACRE TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SOWING THE SEED.
- THE CONTRACTOR SHALL SEED AND STABILIZE ALL DISTURBED AREAS ADJACENT TO IMPROVEMENTS WITH SEEDING, IDOT CLASS 1 AND NAG DS75 EROSION CONTROL BLANKET OR APPROVED EQUAL IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION OR AS APPROVED BY THE ENGINEER.
- GUARANTEE: SCATTERED BARE SPOTS NO LARGER THAN TWO SQUARE FOOT WILL BE ALLOWED UP TO

A MAXIMUM OF 5% OF ANY SEDED AREA INCLUDING 30-DAY MAINTENANCE, MOWING AND WATERING AS NECESSARY.

- THIS WORK SHALL CONFORM TO THE APPLICABLE STANDARDS FROM THE ILLINOIS URBAN MANUAL, THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTIONS, CURRENT EDITION, THE PROJECT SPECIFICATIONS, AND THE APPROPRIATE DETAILS.
- RESTORATION - THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION OF THE IMPROVEMENTS AND RELATED APPURTENANCES OR AS PART OF ANY OF THEIR ACTIVITIES TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION.

**MATERIAL TESTING**

- A GEOTECHNICAL REPRESENTATIVE WILL BE PROVIDED AND PAID FOR BY THE OWNER FOR ANY REQUIRED TESTING. THE CONTRACTOR IS RESPONSIBLE TO FOLLOW AND MEET GUIDELINES SET BY THE GEOTECHNICAL REPRESENTATIVE.

**COORDINATION WITH UTILITIES**

- UTILITIES SHOWN ON THE PLANS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND NO GUARANTEE OF THEIR ACCURACY IS MADE OR INFERRED. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL-INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATION INTO THE LOCATION, SIZE, DEPTH AND NATURE OF ANY AND ALL EXISTING UTILITIES THAT MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING ANY AND ALL UTILITY COORDINATION NECESSARY AS NECESSARY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE AND CONSIDERED INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND, OVERHEAD, OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER OR REPLACED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

- THE CONTRACTOR MUST VERIFY AND LOCATE ALL EXISTING UTILITIES ON OR ADJACENT TO THE SITE, PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. CONTACT JU-JIE, AT 1-800-892-0123 (OR 811) FOR EXACT FIELD LOCATION OF UTILITIES. DAMAGE, AND THE COST THEREOF, TO ANY AND ALL UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY AND ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE, THE ENGINEER AND SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE EXISTING UTILITIES SHOWN HEREON.

- IF THERE ARE ANY UTILITIES WHICH ARE NOT MEMBERS OF THE JU-JIE SYSTEM, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THIS AND REQUESTING SAID UTILITIES TO FIELD VERIFY AND MARK PERTINENT UTILITY LOCATION.
- THE UTILITY LOCATIONS, DEPTHS, ETC., SHOWN ON THESE PLANS ARE APPROXIMATE ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH ALL AFFECTED UTILITY COMPANIES PRIOR TO INITIATING CONSTRUCTION OPERATIONS; THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE ADEQUACY, SUFFICIENCY OR EXACTNESS OF THESE UTILITY REPRESENTATIONS.
- THE CONTRACTOR SHALL CONTACT THE NECESSARY UTILITY COMPANIES FOR ANY UTILITY RELOCATIONS. SHALL PAY FOR ALL COSTS ASSOCIATED WITH RELOCATION OF UTILITIES ON OR ADJACENT TO THE SUBJECT PROPERTY OR WITHIN THE ROAD RIGHT-OF-WAY.

**CONSTRUCTION OF UNDERGROUND UTILITIES**

- COST FOR REPAIRS, REPLACEMENT, AND/OR CONNECTION SHALL BE INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
- THE ENGINEER SHALL BE NOTIFIED IF, DURING CONSTRUCTION, ANY BURIED STORM SEWER OR FIELD TILES ARE EXPOSED OR DISTURBED. THE CONTRACTOR SHALL RECONNECT SAID FIELD TILES IF DEEMED NECESSARY. TO BE MEASURED AND PAID FOR PER 109.04 OF THE STANDARDS SPECIFICATIONS.

**TRAFFIC CONTROL**

- THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL TRAFFIC CONTROL ITEMS NECESSARY FOR THE CONSTRUCTION OF ITEMS WITHIN THE ROAD RIGHT-OF-WAY. ALL WORK PERFORMED SHALL HAVE TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS" CURRENT EDITION.
- ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT. ALL SIGNS SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN CONDITIONS MAY REQUIRE THE ENGINEER TO MODIFY THE LOCATION OF THE TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATION BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT OR MODIFICATION OF THE MAINTENANCE TRAFFIC CONTROL DEVICES DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOT BE NECESSARILY PAYMENT FOR PRACTICALLY ADJACENT TRAFFIC LANES OPEN TO TRAFFIC FROM DEBRIS, WASH BLOWN OR OTHER DEBRIS REMOVED FROM THE CONSTRUCTION AREA. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE ADJACENT TRAVELED ROAD SURFACE. COST INCIDENTAL TO THE PROJECT.
- PROVIDE TO THE ENGINEER AND THE OWNER THE NAME AND PHONE NUMBER OF INDIVIDUALS RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL MEASURES DURING CONSTRUCTION. THIS INDIVIDUAL SHALL BE AVAILABLE TO CORRECT TRAFFIC CONTROL PROBLEMS 24 HOURS PER DAY.
- THE CONTRACTOR SHALL NOTIFY THE POST OFFICE, POLICE DEPARTMENT, FIRE DEPARTMENT, 911 DISPATCH CENTER, ILLINOIS DEPARTMENT OF TRANSPORTATION, STATE POLICE, APPROPRIATE SCHOOL DISTRICT AND THE LOCAL AGENCY A MINIMUM OF 5 DAYS PRIOR TO CLOSING ANY PORTION OF THE STREET OR ALLEY.
- BIKE/PEDESTRIAN PATH AND KAYAK LAUNCH TO REMAIN OPEN TO TRAFFIC THROUGHOUT CONSTRUCTION. CONTRACTOR TO MAINTAIN ACCESS TO BUSINESSES AS NECESSARY. CONTRACTOR TO MAINTAIN TRAFFIC AND PEDESTRIAN CONTROL THROUGHOUT CONSTRUCTION.

**INDEMNIFICATION**

- CONTRACTOR SHALL PROVIDE INDEMNIFICATION AS PER ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. ALL COSTS FOR INSURANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

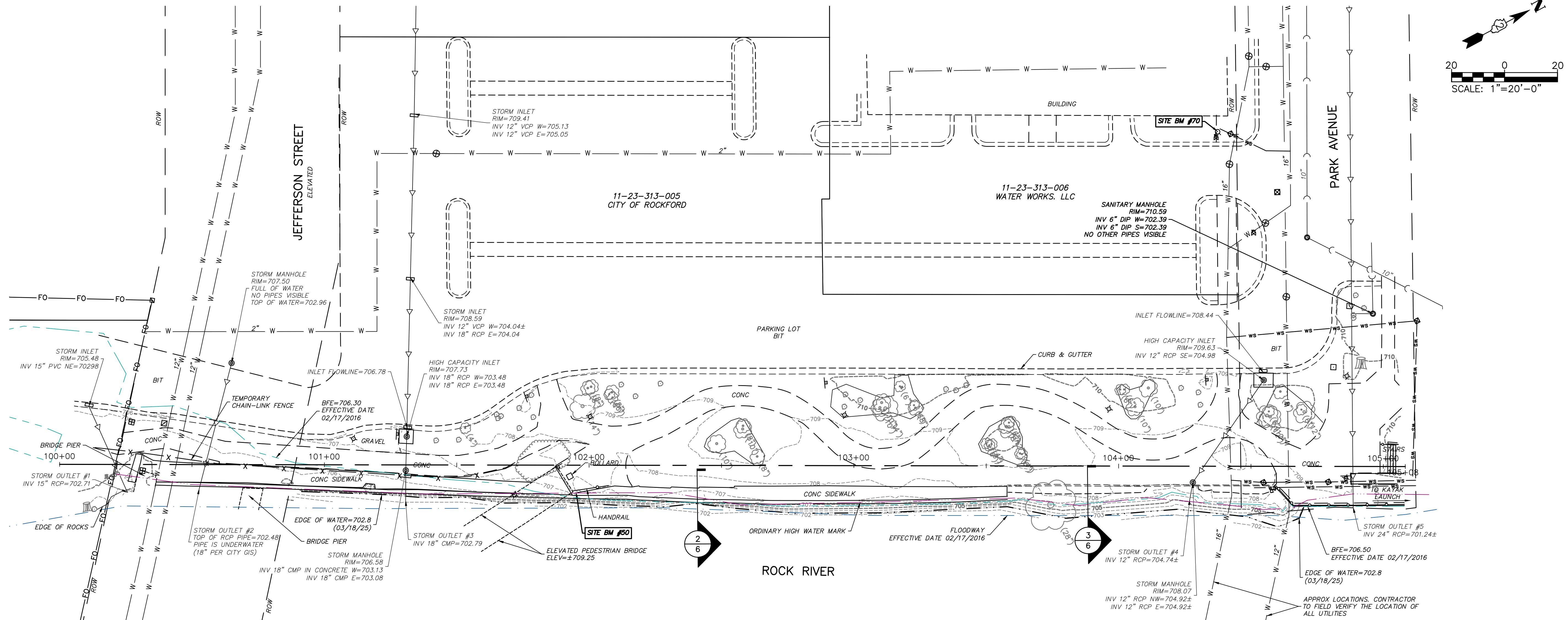
- ADDITIONAL REQUIREMENTS: THE CONTRACTOR SHALL ALSO INDEMNIFY AND HOLD HARMLESS, HR GREEN, INC., CITY OF ROCKFORD, ITS OFFICERS, EMPLOYEES, AGENTS, AND SUBCONTRACTORS. THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL ADDITIONAL INDEMNIFICATION REQUIREMENTS HAVE BEEN OBTAINED UNDER THIS PARAGRAPH.

**INSURANCE AND LIABILITY**

- CONTRACTOR SHALL PROVIDE INSURANCE COVERAGE AS PER ARTICLE 107.27 OF THE STANDARD SPECIFICATIONS. ALL COSTS FOR INSURANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE DEPARTMENT SHALL BE TAKEN TO MEAN HR GREEN, INC. THE POLICY OF INSURANCE SHALL INCLUDE HR GREEN, INC., CITY OF ROCKFORD, AND ITS AGENTS AS AN ADDITIONAL INSURED OR PROVIDE SEPARATE COVERAGE WITH AN OWNER'S PROTECTIVE POLICY, AS PER THE AMOUNTS STATED IN THE STANDARD SPECIFICATIONS. NO WORK SHALL BEGIN UNTIL THE CERTIFICATE OF INSURANCE IS ON FILE WITH THE ENGINEER.
- ADDITIONAL REQUIREMENTS: THE CONTRACTOR SHALL SECURE AND MAINTAIN SUCH INSURANCE FROM AN INSURANCE COMPANY AUTHORIZED TO WRITE CASUALTY INSURANCE IN THE STATE WHERE THE WORK IS LOCATED AND ALSO WILL PROTECT AND LIST AS ADDITIONAL INSURED, HR GREEN, INC., CITY OF ROCKFORD, AND HIS SUBCONTRACTORS AND HIS EMPLOYEES FROM CLAIMS FOR BODILY INJURY, DEATH OR PROPERTY DAMAGE WHICH MAY ARISE FROM IMPROVEMENTS ON THE PROPERTY. THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL HE/SHE HAS OBTAINED ALL INSURANCE REQUIRED UNDER THIS PARAGRAPH AND FILED THE CERTIFICATE OF INSURANCE OR THE CERTIFIED COPY OF THE INSURANCE POLICY.

**MISCELLANEOUS GENERAL NOTES:**

- THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT



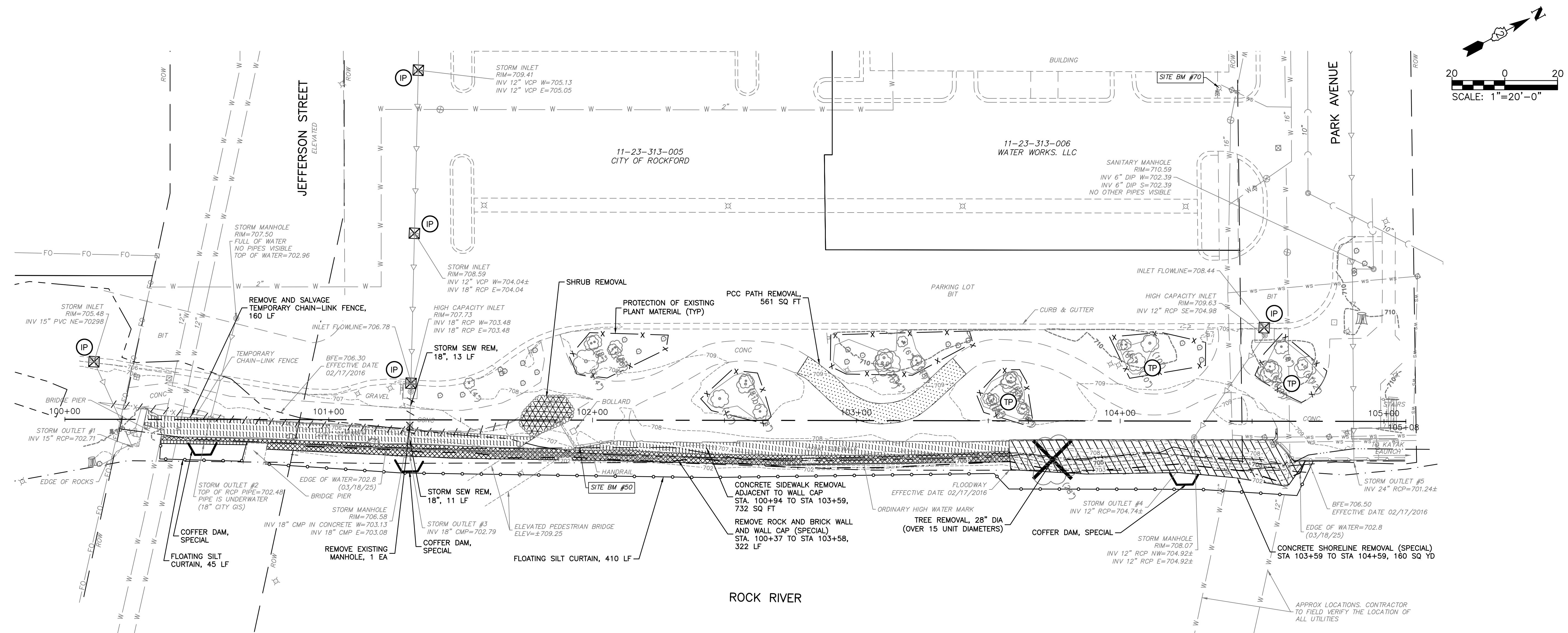
1 EXISTING CONDITIONS  
SCALE: 1" = 20'



2 TYPICAL SECTION—EXISTING  
STA. 100+37 TO STA. 103+58  
SCALE: NTS

3 TYPICAL SECTION—EXISTING  
STA. 103+58 TO STA. 104+59  
SCALE: NTS

LEGEND	
EXISTING STORM SEWER	
EXISTING SANITARY SEWER	
EXISTING WATER MAIN	
EXISTING SANITARY SERVICE	
EXISTING WATER SERVICE	
EXISTING FIBER OPTIC LINE	
EXISTING GAS MAIN	
EXISTING AERIAL LINES	
WATER'S EDGE (SURVEYED)	
FLOODWAY	
FLOODPLAIN BY ELEV (BFE)	
ORDINARY HIGH WATER MARK (OHWM)	

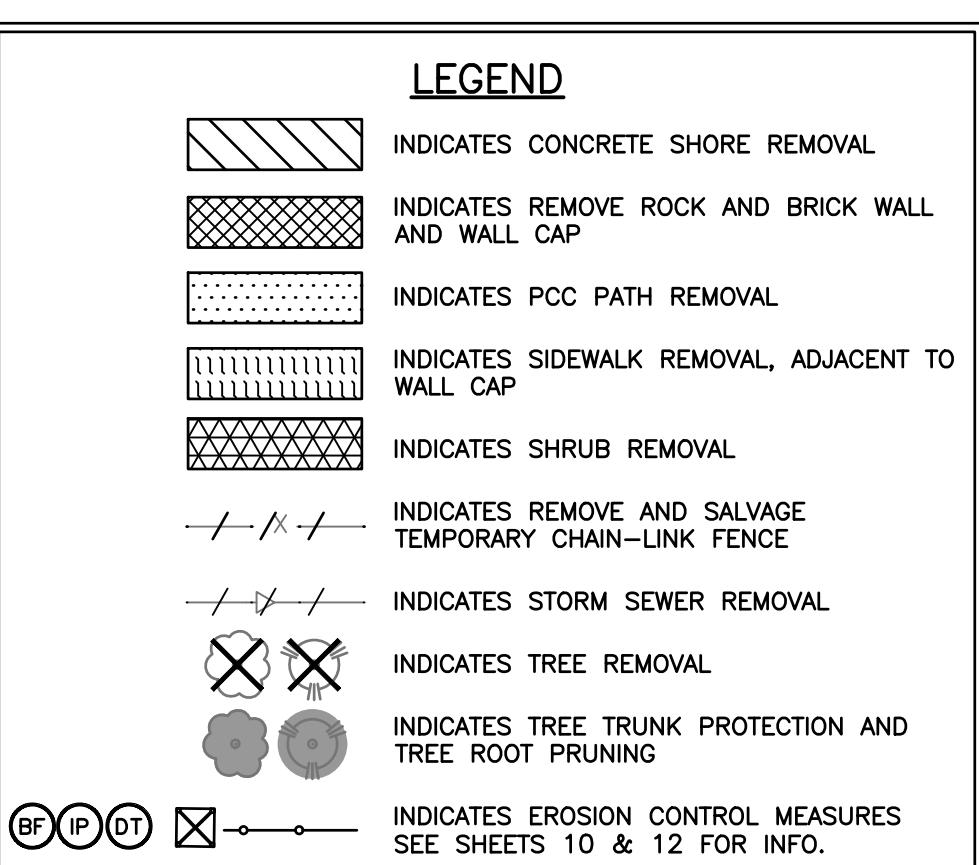


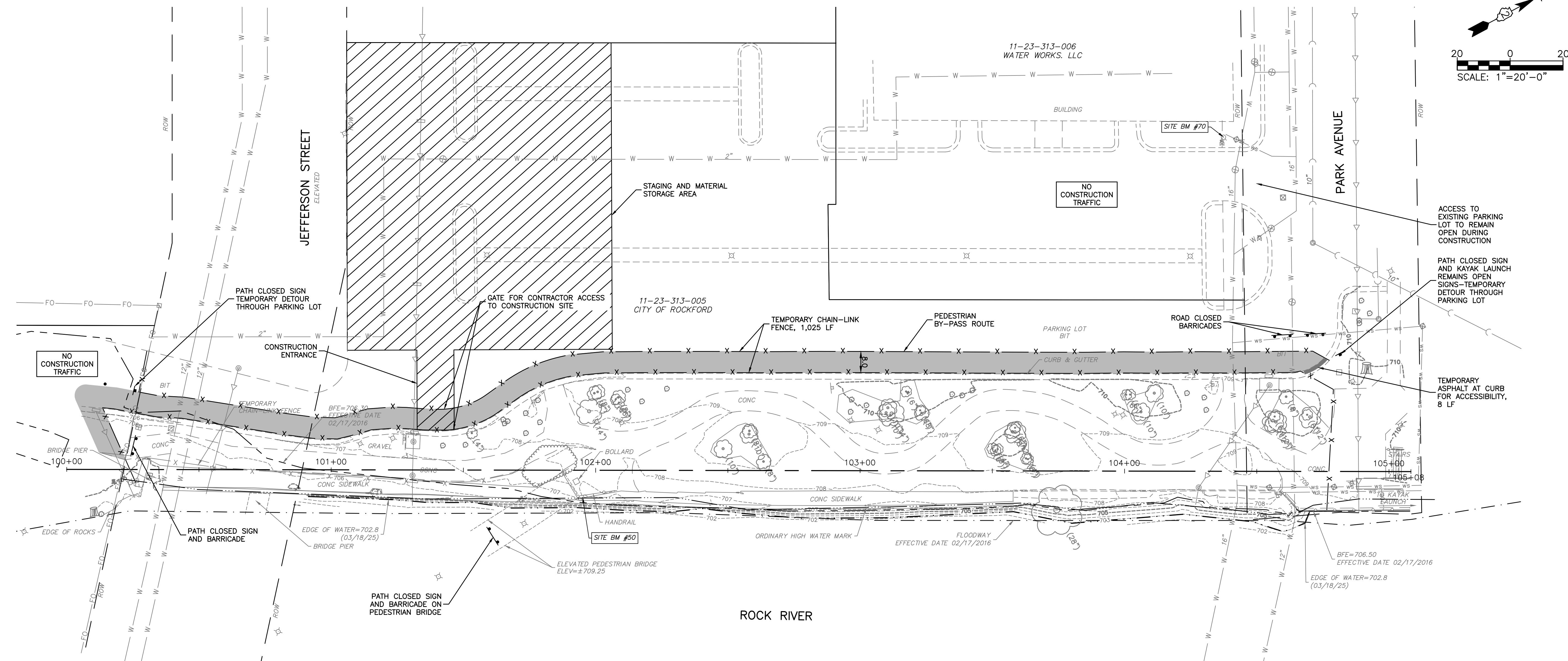
# 1 EROSION CONTROL & REMOVAL PLAN

SCALE: 1" = 20'

## NOTES:

1. ROCK AND BRICK WALL REMOVAL AND 8-INCH CONCRETE CAP REMOVAL SHALL CONSIST OF REMOVAL AND PROPER DISPOSAL OF CONCRETE WALL CAP & REMOVAL OF ROCK AND BRICK MATERIAL TO BOTTOM OF RIVER BED AND UP TO 2-FEET OUT FROM THE SHORELINE. DEBRIS SHOULD BE REMOVED UNTIL NATIVE SOILS ARE ENCOUNTERED BEHIND THE WALL. THIS SHALL INCLUDE MISCELLANEOUS CONCRETE, HARDWARE AND STEEL COMPONENTS ENCOUNTERED. CLEAN CONSTRUCTION AND DEMOLITION DEBRIS MAY BE USED AS BEDDING MATERIAL FOR THE STONE TOE, SUBJECT TO OWNER APPROVAL.
2. CONCRETE SHORE REMOVAL SHALL CONSIST OF REMOVAL AND PROPER DISPOSAL OF CONCRETE MATERIAL TO BOTTOM OF RIVER BED AND UP TO 2-FEET OUT FROM THE SHORELINE. DEBRIS SHOULD BE REMOVED UNTIL NATIVE SOILS ARE ENCOUNTERED. REMOVAL SHALL INCLUDE MISCELLANEOUS CONCRETE, HARDWARE AND STEEL COMPONENTS ENCOUNTERED. CLEAN CONSTRUCTION AND DEMOLITION DEBRIS MAY BE USED AS BEDDING MATERIAL FOR THE STONE TOE, SUBJECT TO OWNER APPROVAL.
3. DEMOLITION OF ROCK AND BRICK WALL, 8-INCH CONCRETE CAP REMOVAL AND CONCRETE SHORE REMOVAL SHALL ALL BE PAID FOR AS REMOVAL OF EXISTING MATERIALS AND SHALL INCLUDE REMOVAL AND PROPER DISPOSAL OF ALL ASSOCIATED MATERIAL.
4. DEMOLITION WILL EXPOSE FOUR KNOWN STORMWATER PIPE OUTLETS TO THE ROCK RIVER. CONTRACTOR SHALL SHORE AND PROTECT THE PIPES AND IS RESPONSIBLE TO REPAIR AND REPLACE ANY DAMAGED PIPES OR OUTFALLS RESULTING FROM THEIR CONSTRUCTION ACTIVITIES. IF ADDITIONAL PIPES ARE LOCATED DURING EXCAVATION, CONTRACTOR IS RESPONSIBLE TO PROTECT THE PIPES AND NOTIFY THE ENGINEER OF LOCATION.
5. THE CONTRACTOR SHALL PROTECT THE PARKING LOT PAVEMENT WITH BOARDS OR MATS WHEN TRANSVERSING STEEL TRACKED EQUIPMENT OVER THE PARKING LOT DURING UNLOADING/LOADING OPERATIONS. DAMAGE TO THE PARKING LOT CAUSED BY OPERATING EQUIPMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. THE PARKING LOT CANNOT BE USED FOR STORING MATERIALS, DEBRIS, OR EQUIPMENT. DAMAGE TO THE PARKING LOT SURFACE CAUSED BY STORING MATERIALS, DEBRIS, OR EQUIPMENT WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL PROTECT THE EXISTING CURB AND GUTTERS. ANY CURB AND GUTTERS DAMAGED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
8. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF DAMAGE TO EXISTING CONCRETE PATH NOT INDICATED FOR REMOVAL.



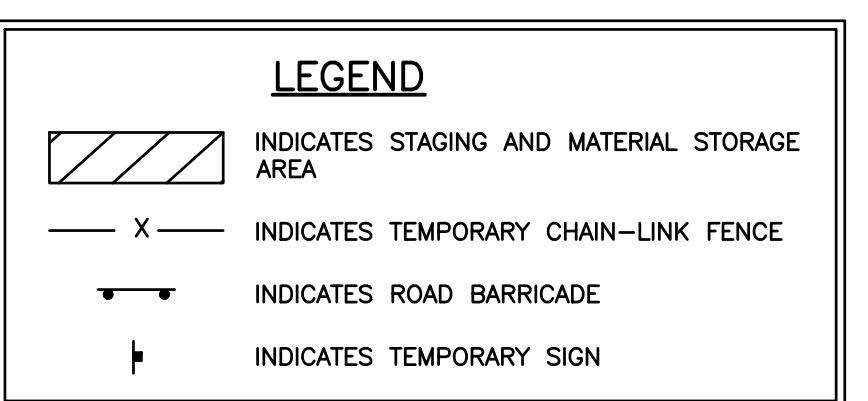


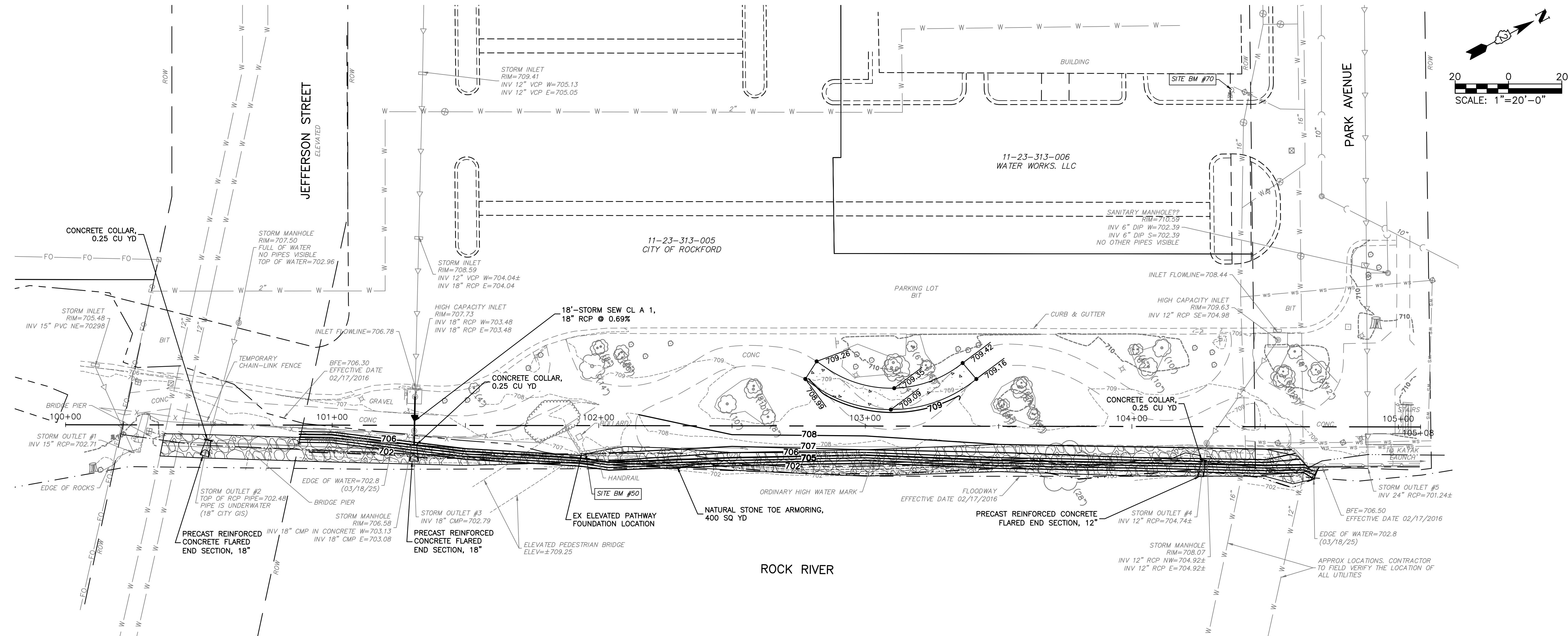
## 1 PEDESTRIAN AND TRAFFIC ROUTING PLAN

SCALE: 1" = 20'

## NOTE:

CONTRACTOR SHALL PROVIDE BARRICADE FENCING AROUND PROJECT LIMITS TO PREVENT SITE ACCESS BY PUBLIC. A LOCKED GATE IS TO BE PROVIDED TO ACCESS THE STAGING AND MATERIALS STORAGE AREA. CONTRACTOR IS RESPONSIBLE FOR SITE SECURITY.





# 1 BANK STABILIZATION PLAN

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SCALE: 1" = 20'

Technical cross-section diagram of a riverbank stabilization project. The diagram shows a steep bank being cut back to a 3:1 slope. A new storm pipe is being installed, and the area is being stabilized with riprap, geotextile, and a topsoil blanket. Labels include:

- MATCH EXISTING EX GROUND
- TURF SEED (IDOT CLASS 1) WITH SC150BN EROSION CONTROL BLANKET (OR EQUIVALENT, 4" TOPSOIL RESPREAD)
- EX SIDEWALK TO BE REMOVED
- TOP OF WALL VARIES (SEE CROSS SECTIONS)
- UNDISTURBED SUBGRADE
- COMPACTED SUBGRADE
- EX/PROP STORM PIPE
- EX WALL TO BE REMOVED
- BFE=706.3 (DOWNSTREAM)  
706.5 (UPSTREAM)
- WATER ELEV= 702.80
- PROP FES AT OUTFALL  
SEE NOTE
- 1.5:1 (MAX)
- NATURAL STONE TOE ARMORING  
(NATURAL STONE BOULDERS, 18"-36" DIA  
WITH NATURAL COBBLES, 8"-18" DIA  
(INTERMIXED))
- INSTALL FES USING CONC COLLAR TO STORM PIPE
- CUT EX STORM PIPE AT FINAL SHORELINE
- NON-WOVEN GEOTEXTILE FABRIC, TOE-IN 6"
- RIPRAP CL-A1 BEDDING,  
6" MIN. THICKNESS
- NOTE:  
ADJUST ROCK ALONG FES AT OUTFALL (INVERTS VARIES (TYP)). REFER TO SHEET 14 FOR RIVER BED ELEVATION.  
NATURAL STONE TOE ARMORING MAY BE SET ON EXISTING WALL FOUNDATION BASE, DEPENDING ON SITE CONDITION

2 ROCK STABILIZATION TYPICAL SECTION  
STA. 100+37 TO STA. 103+58

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SCALE:

3 ROCK STABILIZATION TYPICAL SECTION  
STA. 103+58 TO STA. 104+59

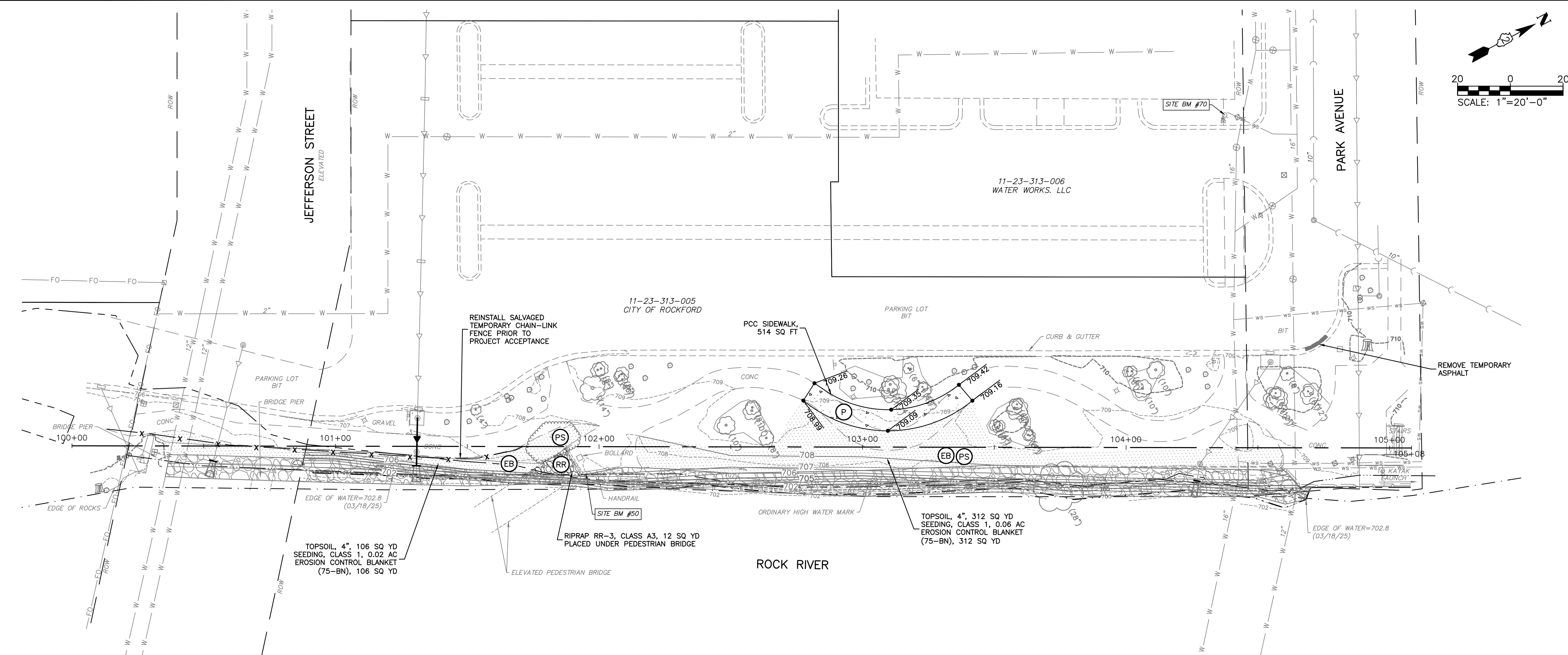
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SCALE: NTS

SCALE: M

## NOTES:

1. NO FILL SHALL BE PLACED IN THE REGULATORY FLOODWAY.
2. DO NOT UNDERMINE EXISTING ELEVATED PATHWAY FOUNDATION



## 1 RESTORATION PLAN

SCALE: 1" = 20'

**LEGEND**

EB PS INDICATES 4" TOPSOIL, TURF SEEDING (IDOT CLASS 1) WITH 75-BN EROSION CONTROL BLANKET OR EQUIVALENT

RR INDICATES RIPRAP RR-3, CLASS

P INDICATES PCC SIDEWALK

— X — INDICATES TEMPORARY CHAIN-LINK FENCE

CONTROL MEASURE GROUP	CONTROL MEASURE	KEY	APPL.	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERMIT
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	(TS)	X	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.	X	
	PERMANENT SEEDING	(PS)	X	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.	X	
	DORMANT SEEDING	(DS)		SAME AS PERMANENT SEEDING EXCEPT IS DONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.		
	SODDING	(SO)		QUICK PERMANENT COVER TO CONTROL EROSION. QUICK WAY TO ESTABLISH VEGETATION FILTER STRIPE CAN BE USED ON STEEP SLOPES OR IN DRAINEAGEWAYS WHERE SEEDING MAY BE DIFFICULT.		
	GROUND COVER	(GC)		PROVIDES GROUND COVER, SHRUBS AND TREES IN ADDITION TO PERMANENT VEGETATION. MAY BE USED AS PART OF A FINAL LANDSCAPE PLAN ALONG WITH SHRUBS AND TREES.		
NON VEGETATIVE SOIL COVER	RAIN GARDEN	(RG)		PROVIDES A TYPE OF FUNCTIONAL LANDSCAPING FEATURE DESIGNED TO CONTROL STORMWATER RUNOFF. SEE LANDSCAPING PLANS FOR DETAILS		
	MULCHING	(M)		ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.		
	AGGREGATE COVER	(AG)		PROVIDES SOIL COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.		
	PAVING	(P)	X	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.	X	
DIVERSIONS	EROSION BLANKET	(EB)		PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING TIME OF YEAR IS INAPPROPRIATE AND IN SLOPED AREAS.		
	RIDGE DIVERSION	(RD)		TYPICALLY USED ABOVE SLOPES. USED WHERE AN EXCESS OF SOIL IS AVAILABLE.		
	CHANNEL DIVERSION	(CD)		TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.		
	COMBINATION DIVERSION	(CBD)		TYPICALLY USED ANYWHERE ON A SLOPE. SOIL TAKEN OUT OF CHANNEL IS USED TO BUILD THE RIDGE.		
	CURB AND GUTTER	(CG)		SPECIAL CASE OF DIVERSION USED IN CONJUNCTION WITH A STREET TO DIVERT WATER FROM AN AREA NEEDING PROTECTION.		
WATERWAYS	BENCHES	(B)		SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.		
	BARE CHANNEL	(BC)		PROVIDES MEANS OF CONVEYING RUNOFF TO DESIRED LOCATION. MAY BE USED TO DRAIN DEPRESSIVE AREAS. ONLY APPLICABLE WHEN VELOCITY OF FLOW IS VERY LOW.		
	VEGETATIVE CHANNEL	(VC)		PROVIDED ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.		
	LINED CHANNEL	(LC)		USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.		
	DITCH CHECKS	(DC)		PROVIDES AN ENERGY DISSIPATOR ALONG A LENGTHY CHANNEL TO REDUCE VELOCITY OF STORMWATER		
ENCLOSED DRAINAGE	STORM SEWER	(ST)	X	CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.	X	
	UNDERDRAIN	(UD)		USED TO LOWER WATER TABLE AND INTERCEPT GROUNDWATER FOR BETTER VEGETATION GROWTH AND SLOPE STABILITY. USED TO CARRY BASE FLOW IN WATERWAYS AND TO Dewater SEDIMENT BASINS.		
SPILLWAYS	STRAIGHT PIPE SPILLWAY	(SS)		USED FOR RELATIVELY SMALL VERTICAL DROPS AND SMALL FLOWS OF WATER		
	DROP INLET PIPE SPILLWAY	(DIS)		SAME AS PIPE SPILLWAY EXCEPT LARGER FLOWS AND LARGE VERTICAL DROPS CAN BE ACCOMMODATED.		
	WEIR SPILLWAY	(W)		USED FOR RELATIVELY SMALL VERTICAL DROPS AND FLOWS MUCH GREATER THAN PIPE STRUCTURES.		
	BOX INLET WEIR SPILLWAY	(BS)		SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LOWER WEIR LENGTH.		
OUTLETS	LINED APRON	(LA)		PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.		
	STONE RIP RAP	(RR)	X	USED AS AN ENERGY DISSIPATOR AT OUTLET STRUCTURES TO REDUCE VELOCITIES	X	
SEDIMENT BASINS	EMBANKMENT SEDIMENT BASIN	(ES)		USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE.		
	EXCAVATED SEDIMENT BASIN	(XS)		USED WHERE EMBANKMENT COULD CAUSE A HAZARD DOWNSTREAM IN CASE OF FAILURE AND WHERE EXCESS EARTH FILL IS NOT AVAILABLE.		
	COMBINATION SEDIMENT BASIN	(SB)		USED WHEN TOPOGRAPHY IS SUITABLE BUT ADDITIONAL CAPACITY IS NEEDED.		
SEDIMENT FILTERS	BARRIER FILTER (SILT FENCE)	(BF)	X	A TEMPORARY BARRIER OF ENRICHED GEOTEXTILE FABRIC (FILTER FABRIC) STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS USED TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL.	X	
	VEGETATIVE FILTER	(VF)		USED ALONG DRAINEAGEWAYS OF PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.		
	INLET PROTECTION	(IP)	X	USED FOR FILTERING SEDIMENT WITHIN GRASS AREAS BEFORE WATER ENTERS THE STORM SEWER	X	
	FILTER BASKET	(FB)	X	USED FOR FILTERING SEDIMENT WITHIN THE ROADWAY BEFORE ENTERING THE STORM SEWER	X	
MUD AND DUST CONTROL	STABILIZED CONST. ENTRANCE	(SE)	X	A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA TO PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.	X	
	CONSTRUCTION ROAD STABILIZATION	(CRS)		THE STABILIZATION OF TEMPORARY CONSTRUCTION ACCESS ROUTES, SUCH AS CONSTRUCTION ROADS, ON-SITE STOCHES, TRANSPORTATION ROUTES, AND CONSTRUCTION PARKING AREAS WITH STONE IMMEDIATELY AFTER GRADING TO PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.		
MISC.	DUST AND TRAFFIC CONTROL	(DT)		CONTROL OF DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND ROADS		
	EXPLORATORY TRENCH	(ET)		EXPLORATORY TRENCH EXCAVATION FOR EXISTING UTILITIES		
	CONCRETE WASHOUT	(WO)		PREVENTS THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE IN A DESIGNATED WASHOUT AREA (CONCRETE WASHOUT BMP)		

#### SEEDING / SODDING CHART

CONTRACTOR RESPONSIBILITY	CONTRACTOR SPECIFICATIONS			CONTRACTOR RESPONSIBILITY								
	PER I.D.O.T. SPECIFICATIONS APR. 1 - JUNE 15			PER I.D.O.T. SPECIFICATIONS AUG. 1 - NOV. 1								
STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT.	OCT.	NOV.	DEC.
* DORMANT SEEDING (135lb/Ac)												
* TEMPORARY SEEDING (100lb/Ac)												
* PERMANENT SEEDING (See IDOT Specs.)								**	**			
* MULCHING (2 Tons/Ac)	+	+	+	+	+	+	+	+	+	+	+	+
* SODDING (See IDOT Specs.)												
PER I.D.O.T. SPECIFICATIONS						PER I.D.O.T. SPECIFICATIONS						

- \* SEE I.D.O.T. SPECIFICATIONS FOR INSTALLATION AND APPLICATION REQUIREMENTS
- \*\* SUPPLEMENTAL WATERING MAYBE REQUIRED. (SEE I.D.O.T. SPECIFICATIONS FOR REQUIREMENTS)

#### FAILURE TO COMPLY:

In the event a notice of violation is issued on this project, any and all fines will be the sole responsibility of the contractor. The owner, owner's representative, or other owner's agents will not participate in any payment or reimbursement for fines and will not authorize time extensions due to delays in project progress for work stoppage required to remedy the violations.

#### CITY OF ROCKFORD JEFFERSON STREET ROCK RIVER BANK STABILIZATION

#### EROSION / RESTORATION NOTES & SPECIFICATIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	HEET NO.
		WINNEBAGO	16	10
				CONTRACT NO.

#### UNITED STATES ARMY CORPS OF ENGINEERS NOTES:

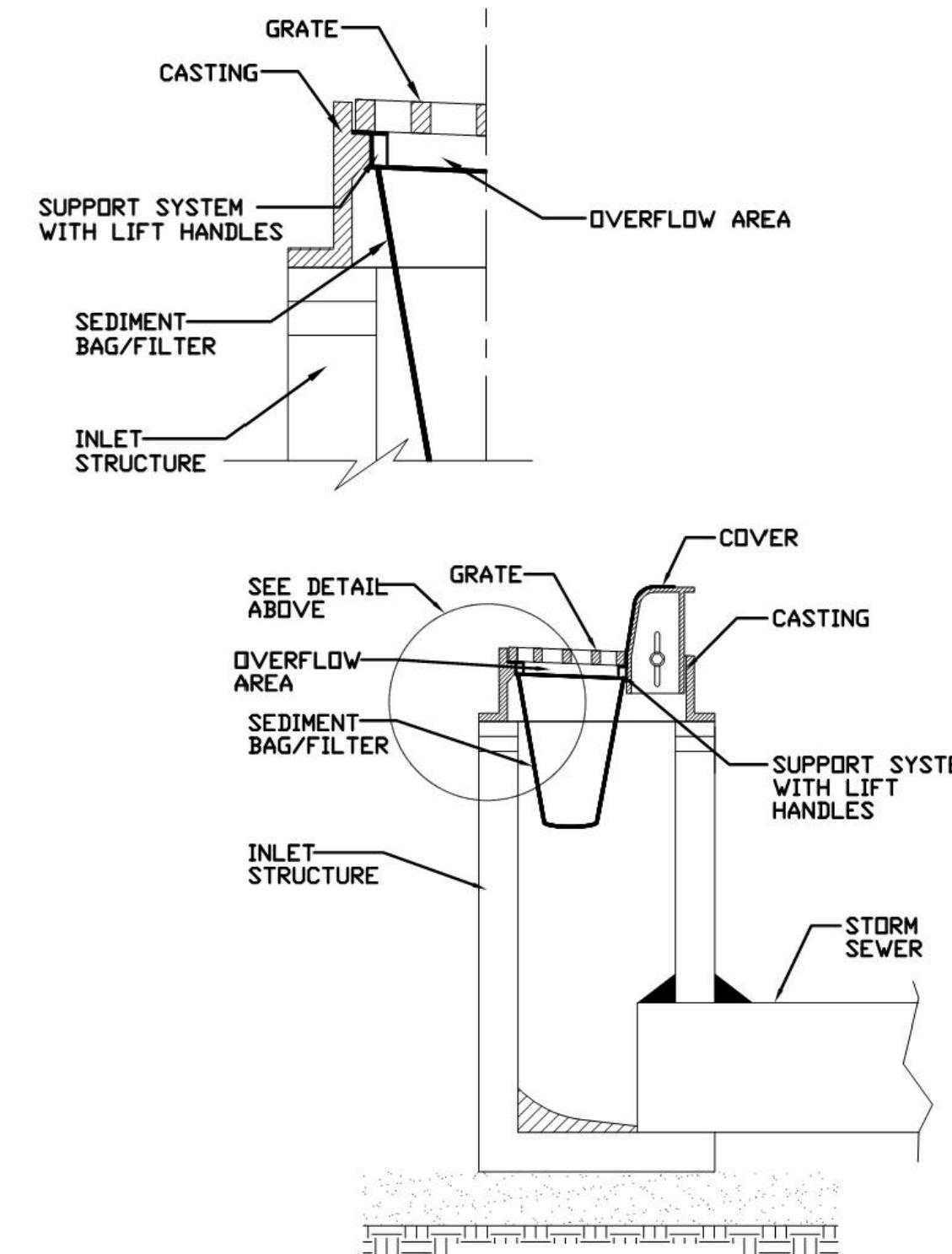
1. EARTHEN COFFERDAMS OR OTHER PRACTICES THAT WOULD RESULT IN A RELEASE OF SEDIMENT INTO WATERS OF THE U.S. ARE NOT AUTHORIZED FOR USE. COFFERDAMS SHALL BE CONSTRUCTED OF NON-ERODIBLE MATERIALS ONLY. ACCEPTABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO: PRE-FABRICATED RIGID COFFERDAMS, SHEET PILING, INFLATABLE BLADDERS, SANDBAGS AND FABRIC-LINED BASINS.
2. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS.
3. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.
4. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE FABRIC, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
5. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND EQUIPMENT MAY NOT ENTER THE WATER AT THE TIME OF CONSTRUCTION. IF THE INSTALLATION OF THE COFFERDAM CAN NOT 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.
6. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
7. DURING Dewatering OF THE COFFERED AREA, ALL WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE: CHEMICAL SYSTEM, ANIONIC POLYMER, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE Dewatering DEVICE TO THE WATERWAY MUST BE IDENTIFIED. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
8. HYDRAULIC MACHINERY USED DURING EXCAVATION WILL UTILIZE BIODEGRADABLE OR BIO-BASED HYDRAULIC FLUIDS.

#### EROSION CONTROL NOTES:

- No land disturbing activities shall commence until approval to do so has been received by governing authorities, in addition, to no land clearing or grading shall begin until all perimeter erosion and sediment control measures have been installed.
- All topsoil shall be stripped prior to filling
- All exposed areas shall be seeded/sodded as specified within 14 days of final grading.
- Should construction stop for longer than 14 days, the site shall be temporarily seeded as specified.
- Sediment and erosion control measures shall be inspected at least once every seven (7) days and within 24 hours of a rainfall exceeding 0.5 inches during a 24-hour period. All maintenance required by inspection shall commence within 24 hours and be completed within 48 hours of storm event.
- This plan shall not be considered all inclusive as the general contractor shall take all necessary precautions to prevent soil sediment from leaving the site.
- General contractor shall comply with all state and local ordinances that apply.
- Additional erosion and sediment control measures will be installed if deemed necessary by site inspection.
- General contractor shall be responsible to take whatever means necessary to establish permanent soil stabilization.
- All sedimentation and erosion control regulations shall be adhered to per the City of Rockford's requirements
- All erosion and sediment control practices shall be maintained and repaired as needed to ensure effective performance of the required erosion control measures.
- All erosion and sediment control work shall conform to the I.D.O.T. Manual for, standards and procedures for erosion control.
- All roadways shall be cleaned at the end of each construction day.
- All disturbed areas shall be stabilized within 7 days of active disturbance.
- All erosion control measures shall be disposed of within 30 days of final stabilization of the site.
- Ground cover for 5:1 slopes or greater shall be established as soon as possible.
- All disturbed areas to be restored w/ 4" topsoil respread & seeding/sodding unless otherwise noted on plans
- Silt filter fabric shall be placed between frame and grate until vegetation is established. (See Detail)
- Utilize excisor blanket on all slopes of 5:1 or greater.
- Seeding per I.D.O.T. Manual, Section 251, Standard Specifications for Road and Bridge Construction, latest edition
- Mulch/hydrased per I.D.O.T. Manual, Section 251, Standard Specifications for Road and Bridge Construction, latest edition
- Mulch/hydrased method 2, procedure 3
- No dimensions shall be assumed by scaling.
- No known drain tiles are present on the proposed development, if tiles are encountered during construction please notify the engineer immediately.
- Excess material shall be placed at specified location unless otherwise specified by owner and approved by engineer for use of lot grading. Stockpiles shall be surrounded with filter fence and shall be seeded per I.D.O.T. Manual (latest addition) (temporary) if left more than 14 working days.
- General contractor shall notify all utility companies having underground utilities on site or in right-of-way prior to excavation. Contractor shall contact utility locating company and locate all utilities prior to grading start.

SCALE: N.T.S.	SHEET NO. 01 OF 03 SHEETS	STA. TO STA.
FED. ROAD DIST. NO. ILLINOIS	16	10

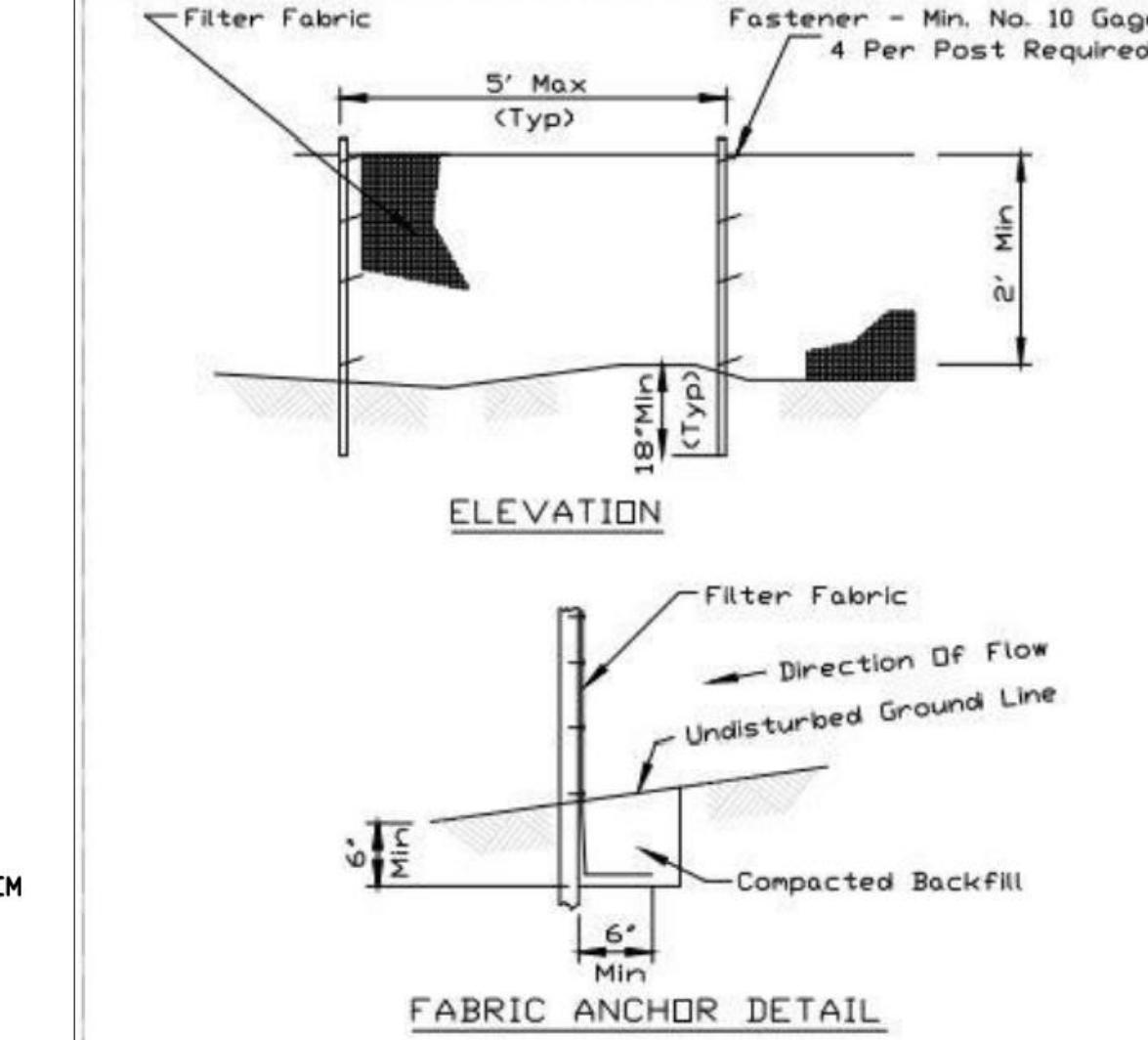
### INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

STANDARD DWG. NO.  
IUM-561D  
SHEET 1 OF 1  
DATE 01-11-11

### SILT FENCE PLAN

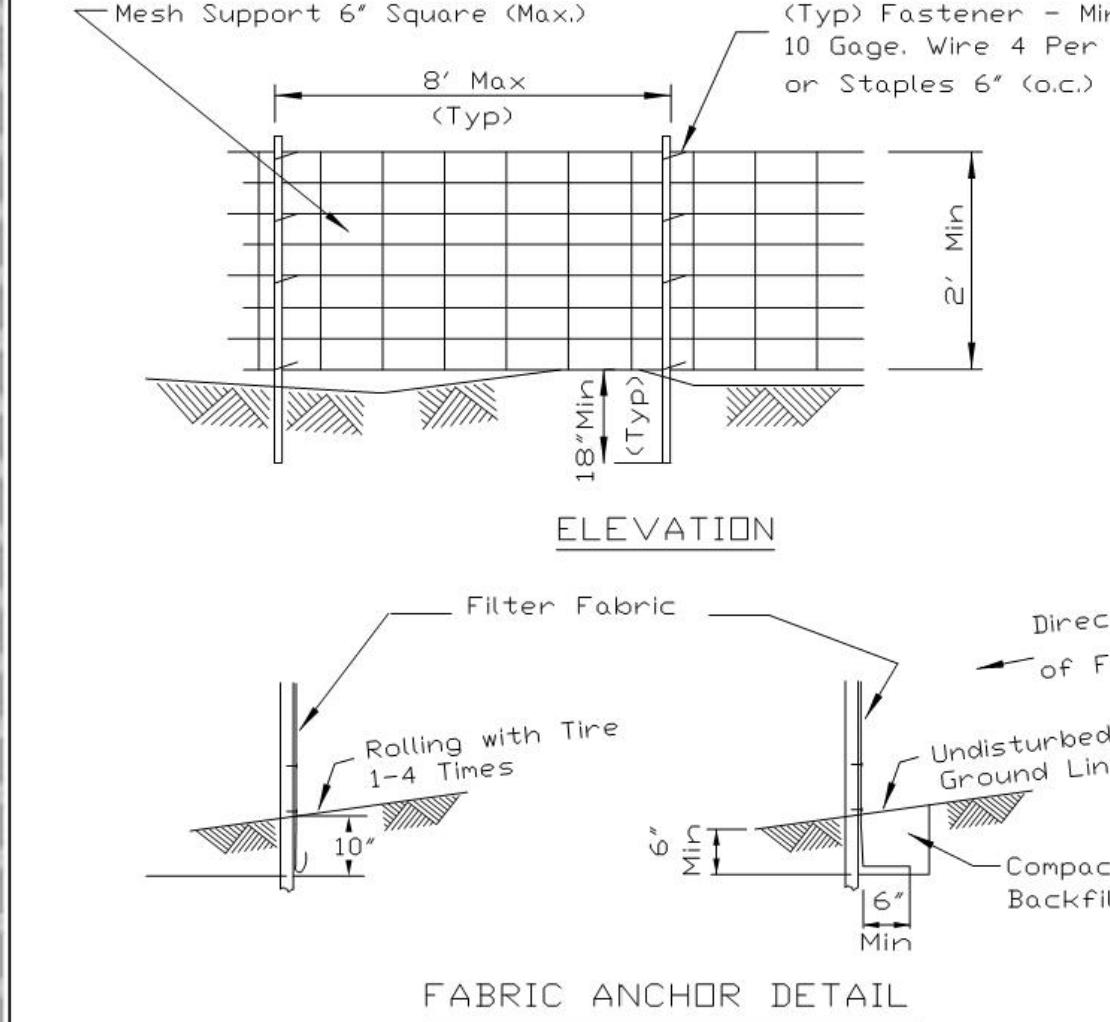


NOTES:  
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.  
2. Filter fabric shall meet the requirements of material specification 592 Geotextile based upon performance needed.  
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 2" x 2" nominal size.

REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

STANDARD DWG. NO.  
IUM-620  
SHEET 1 OF 2  
DATE 3-16-12

### SILT FENCE WITH WIRE SUPPORT PLAN

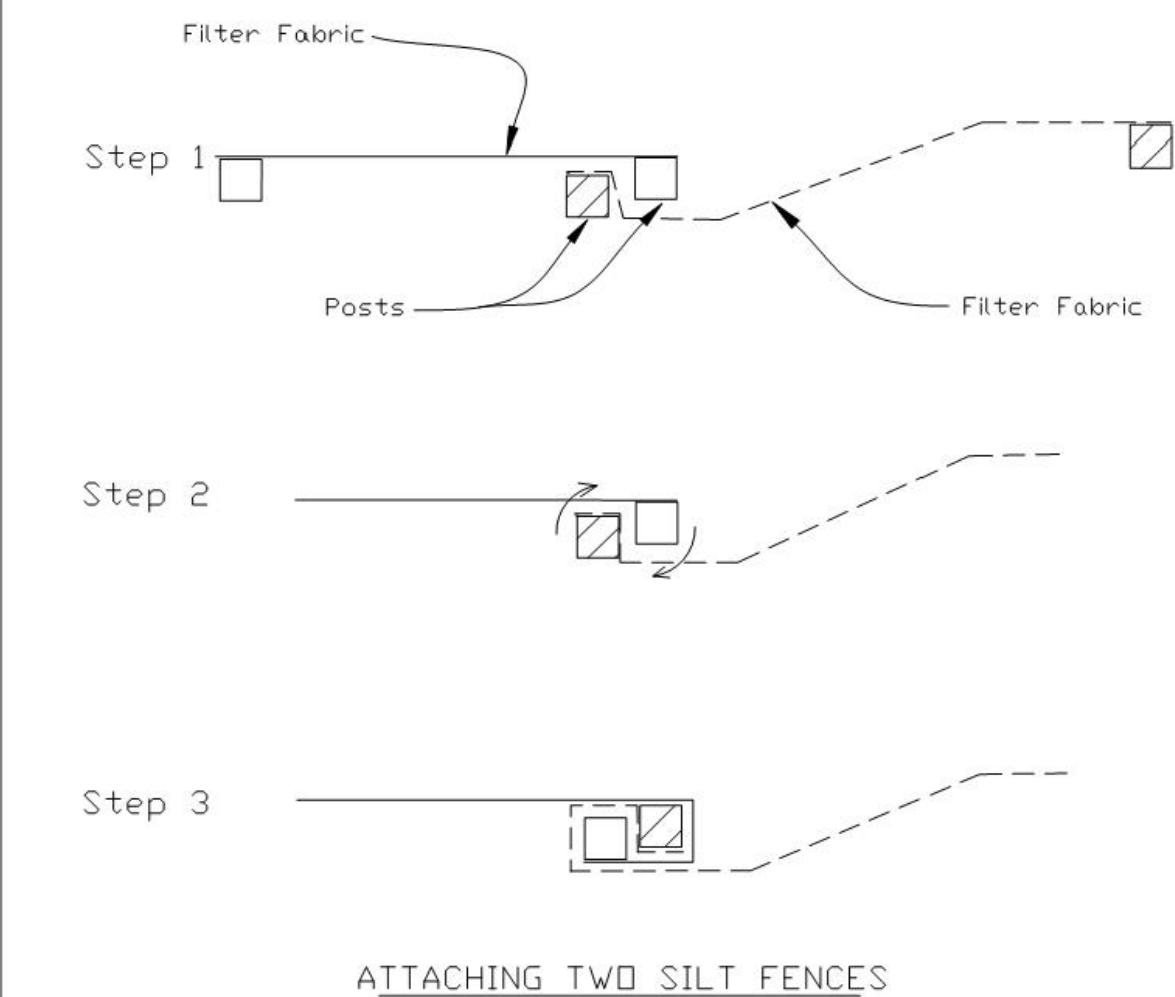


NOTES:  
1. Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.  
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.  
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

STANDARD DWG. NO.  
IUM-620AW  
SHEET 1 OF 2  
DATE 3-16-2012

### SILT FENCE - SPLICING TWO FENCES

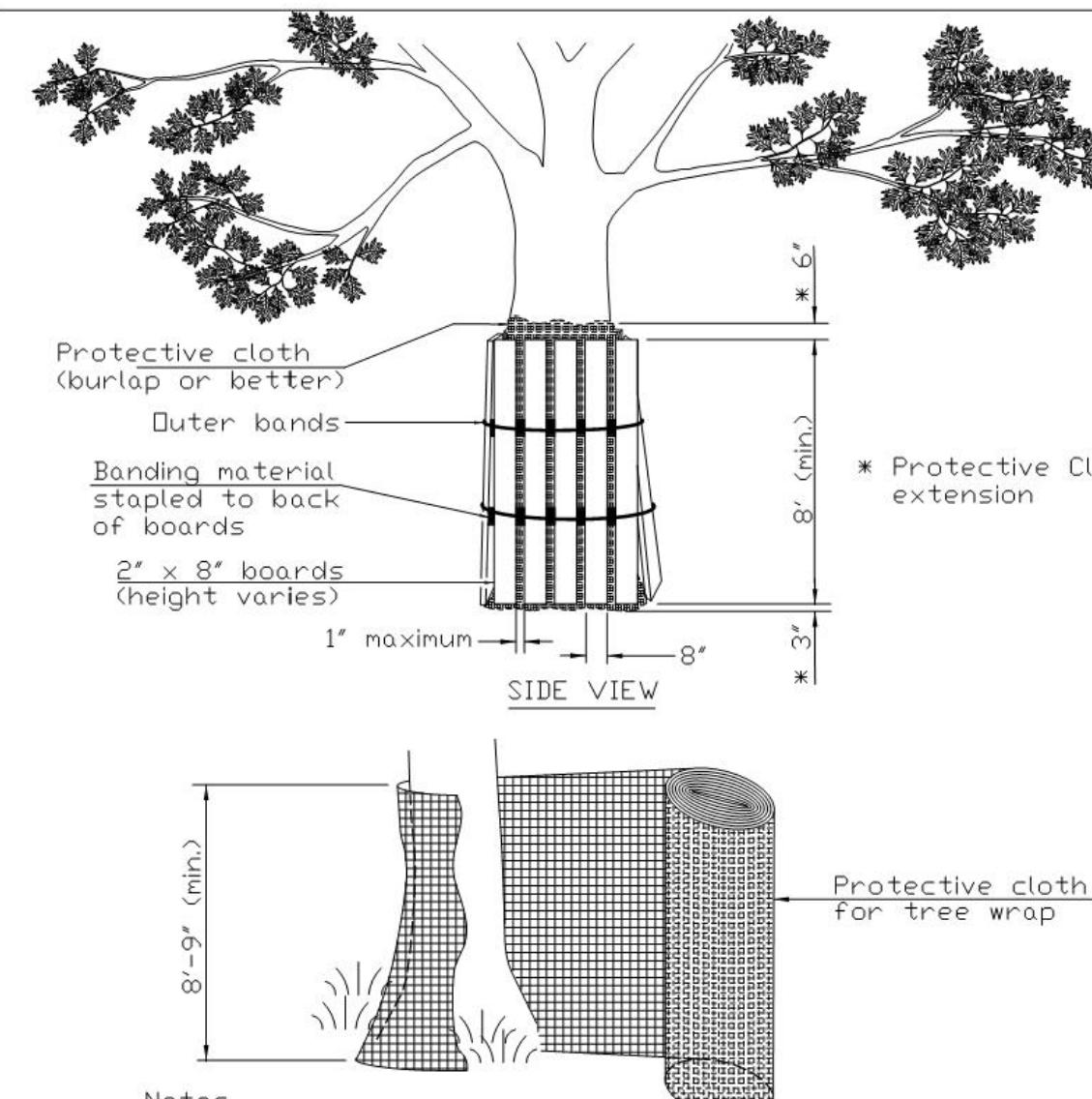


1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

STANDARD DWG. NO.  
IUM-620BW  
SHEET 1 OF 1  
DATE 3-16-2012

### TREE TRUNK PROTECTION

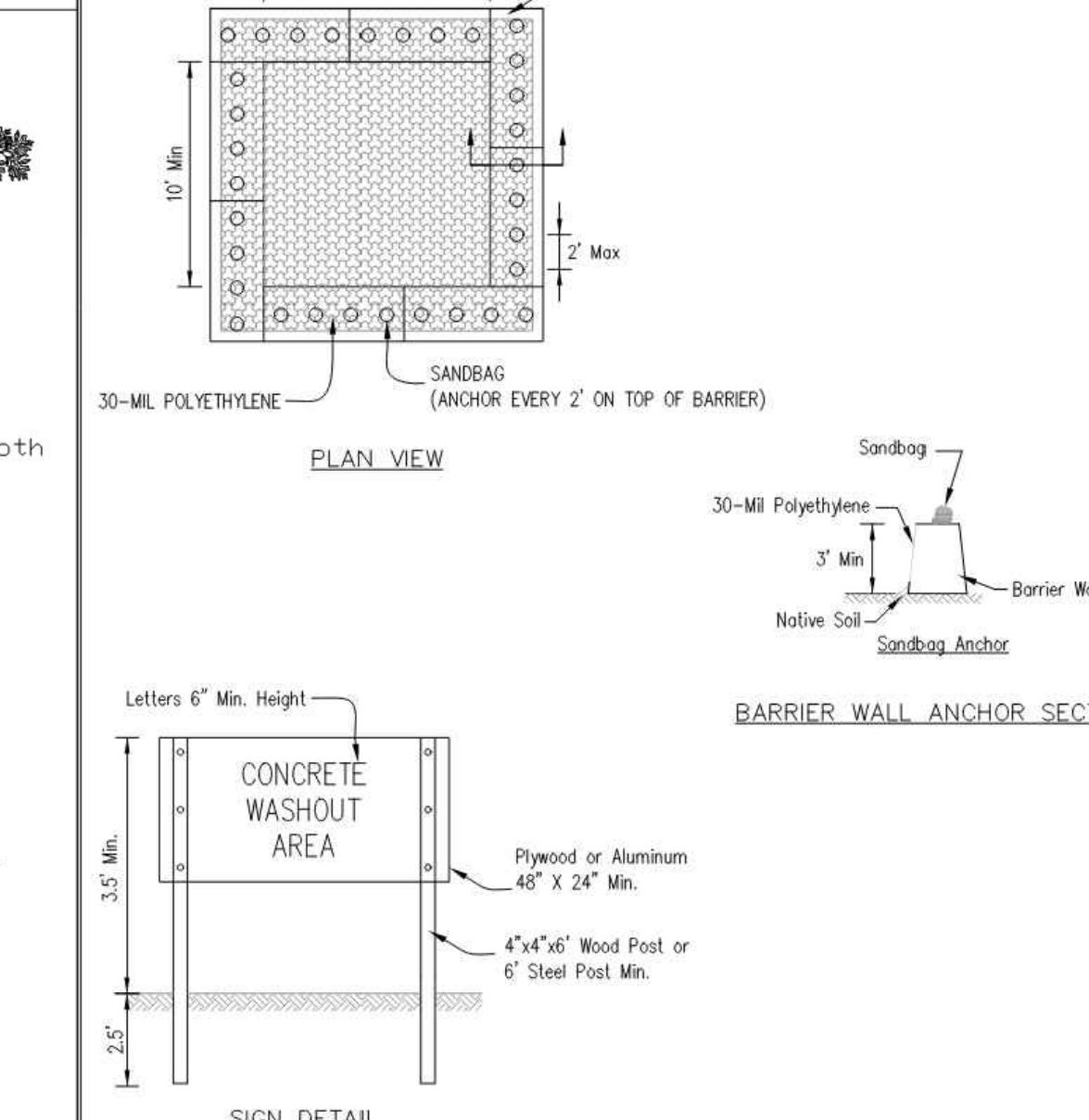


Notes  
1. The contractor shall provide 2" x 8" boards bonded continuously around each trunk with a protective cloth (such as burlap or better) placed between the boards and the tree to prevent scarring of the tree being protected. The height of the boards is variable due to height of tree being protected. Trees to be protected shall be shown in the plans or designated by the Professional Forester or Certified Arborist.  
2. The protective cloth shall extend past both the top and bottom of the boards as shown in the detail. Width of wrap material varies. For fabric that does not meet the required height, fabric shall overlap a minimum of 6' and shall be spliced to avoid slippage.

REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

STANDARD DWG. NO.  
IUM-690-C  
SHEET 1 OF 1  
DATE 09-14-2017

### TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL

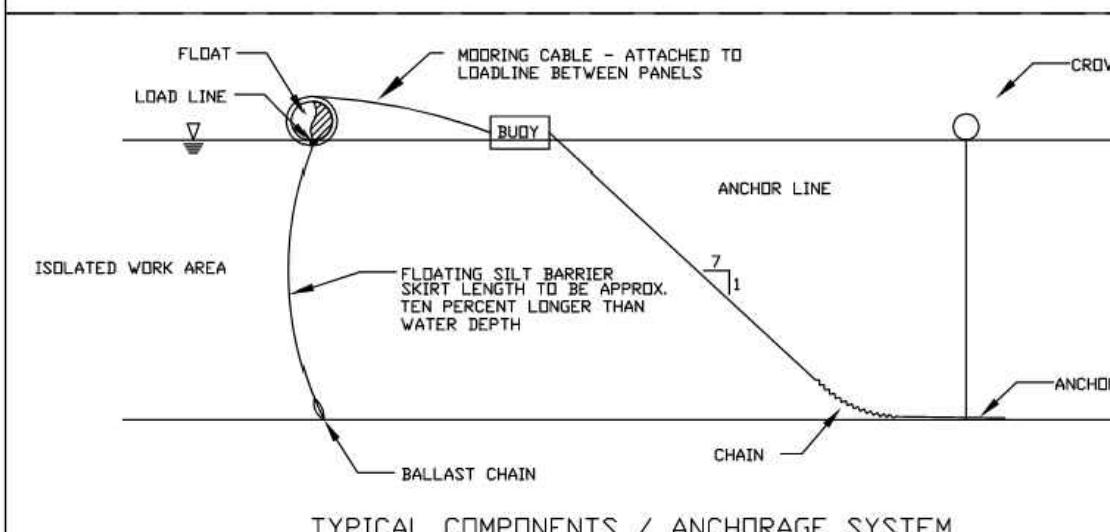


NOTES:  
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.  
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

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

### FLOATING SILT CURTAIN - TYPICAL LAYOUT

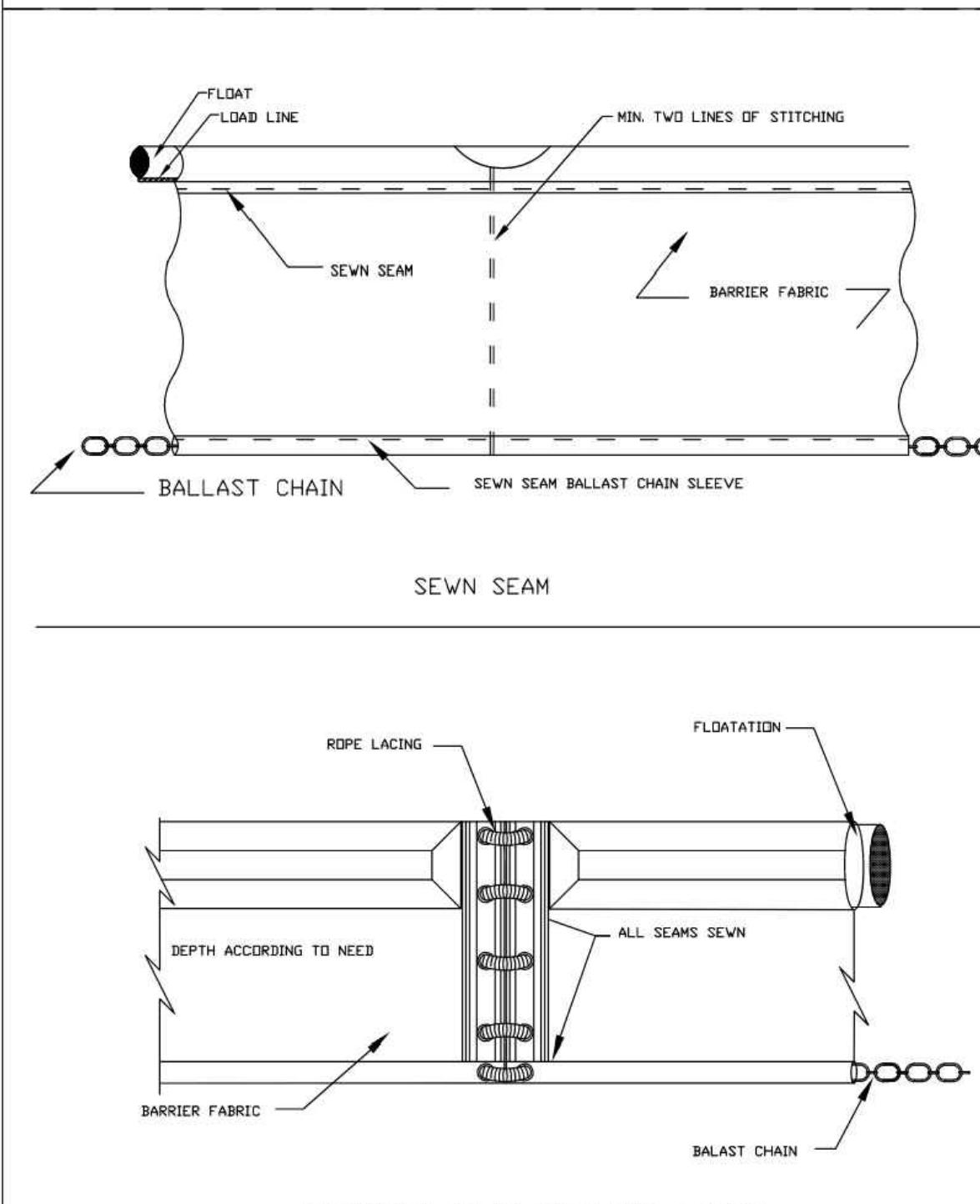


Maximum flow for waterbody shall be less than 5fps. Isolated work area shall not exceed more than 1/3 stream width. Silt curtain shall be placed parallel to stream flow.

REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

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

### FLOATING SILT CURTAIN - PANEL CONNECTORS



REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

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

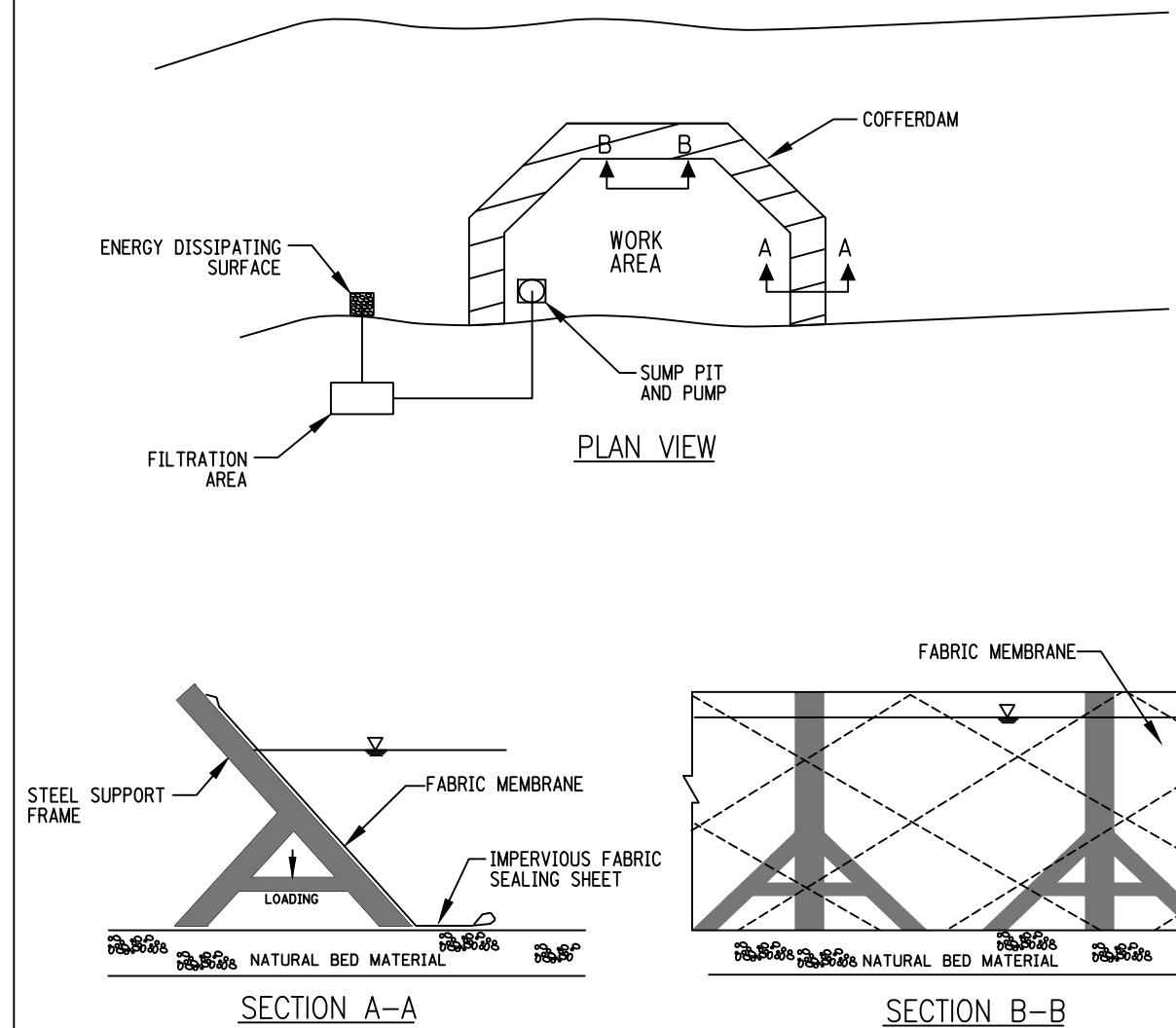
CITY OF ROCKFORD  
JEFFERSON STREET  
ROCK RIVER BANK STABILIZATION

ILLINOIS URBAN MANUAL DETAILS

SCALE: N.T.S. SHEET NO. 02 OF 03 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	HEET NO.
		WINNEBAGO	16	11
CONTRACT NO.				
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

### A-FRAME PARTIAL COFFERDAM



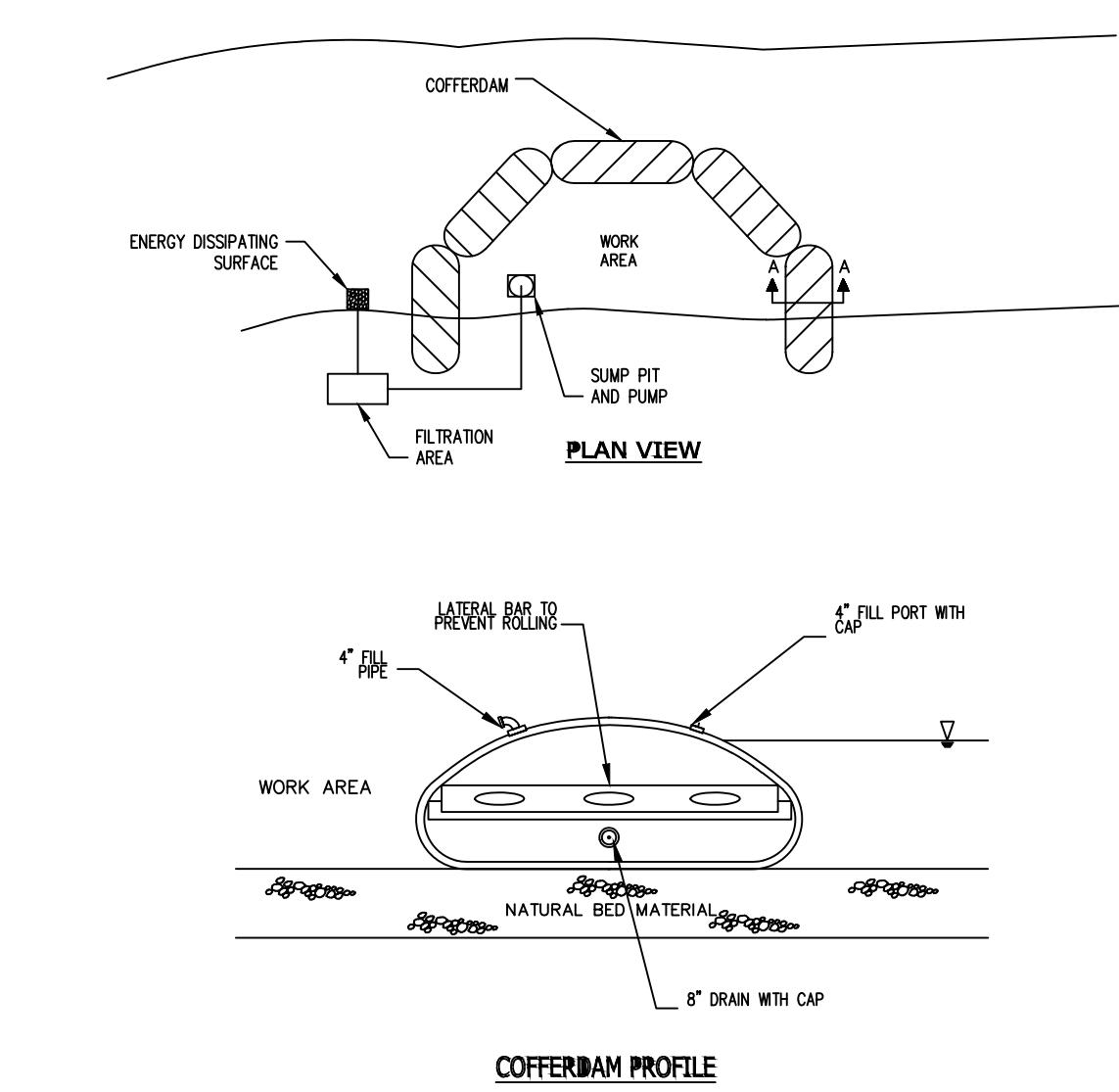
NOTES:  
 1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.  
 2. LOCATIONS FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.  
 3. A-FRAME SHOULD BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS.

REFERENCE	Project	Standard DWG. No.
Designed	Date	IUM-503AP
Checked	Date	
Approved	Date	SHEET 2 OF 7 DATE 07-09-2012



STANDARD DWG. NO.  
IUM-503AP  
SHEET 2 OF 7  
DATE 07-09-2012

### BLADDER PARTIAL COFFERDAM



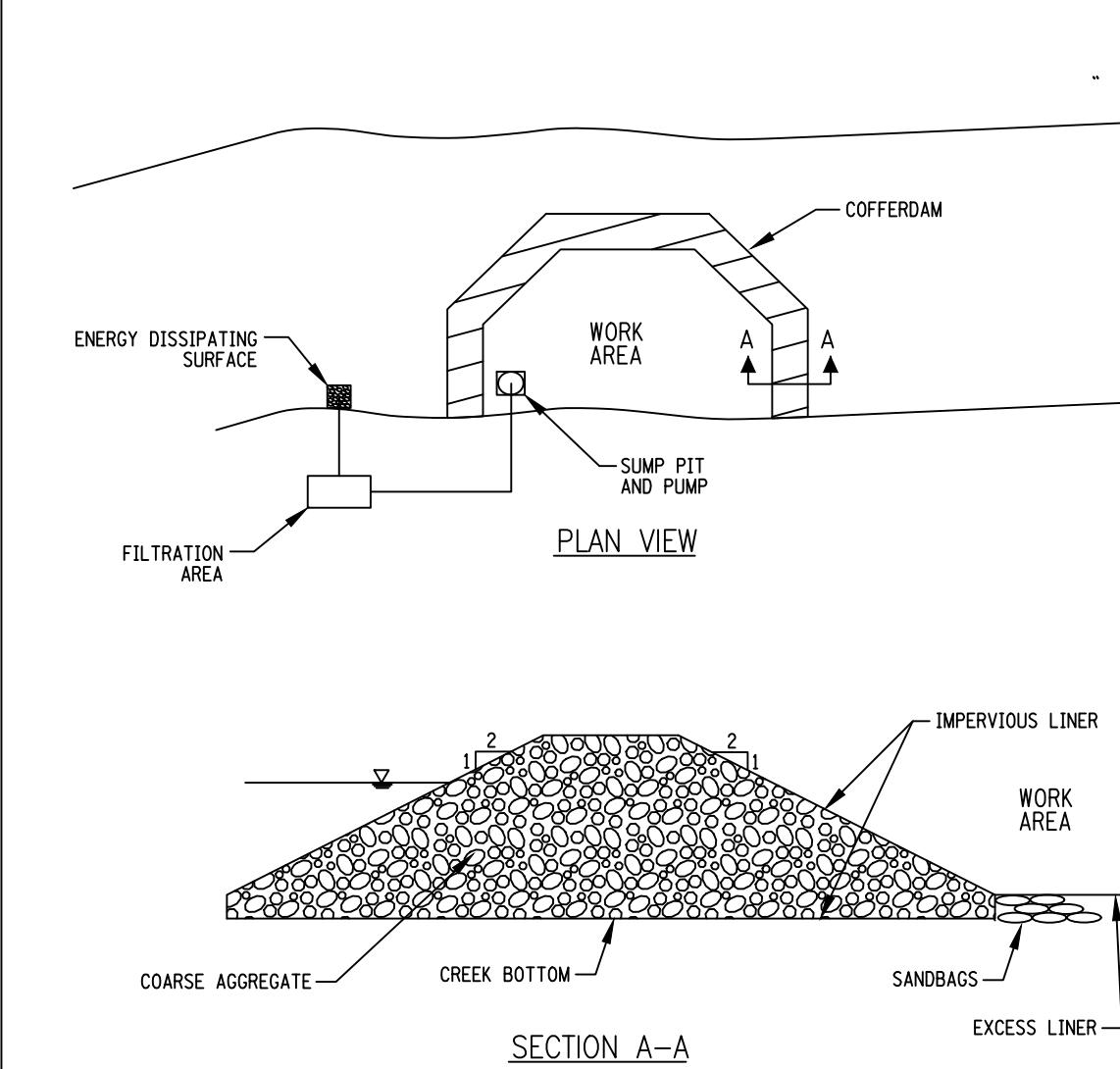
NOTES:  
 1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.  
 2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

REFERENCE	Project	STANDARD DWG. NO.
Designed	Date	IUM-503BP
Checked	Date	
Approved	Date	SHEET 4 OF 7 DATE 07-09-2012



STANDARD DWG. NO.  
IUM-503BP  
SHEET 4 OF 7  
DATE 07-09-2012

### ROCK PARTIAL COFFERDAM

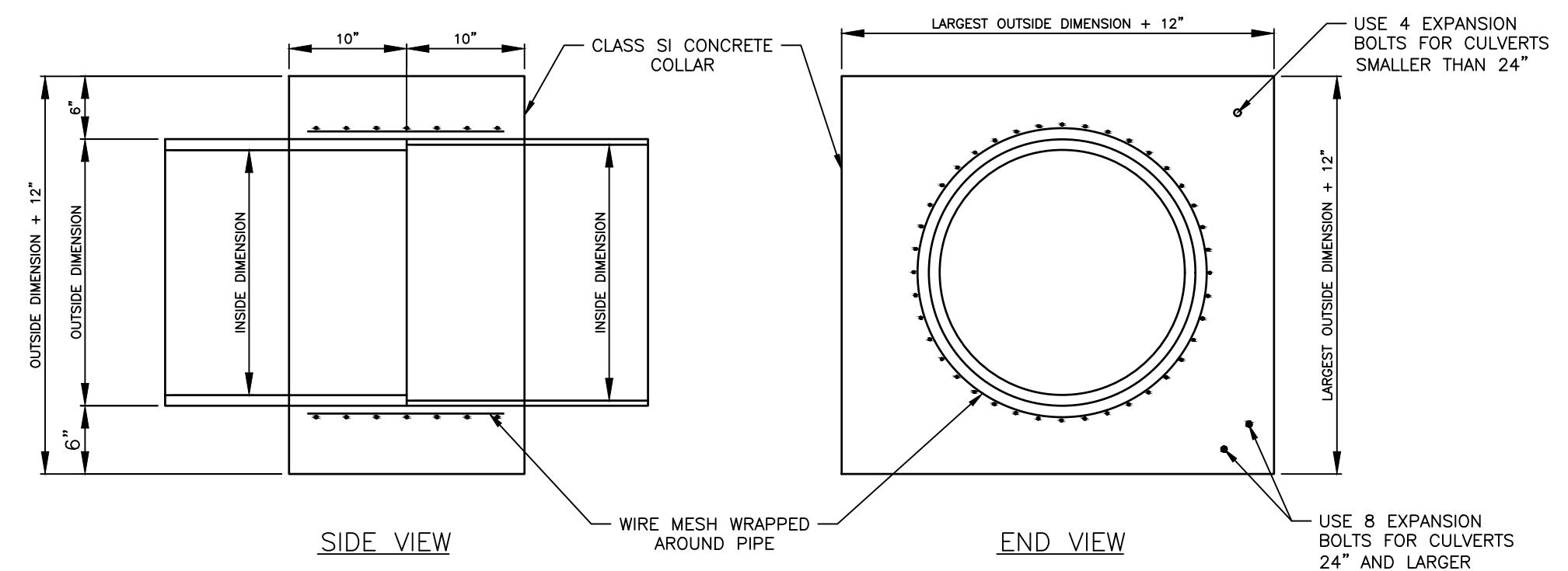
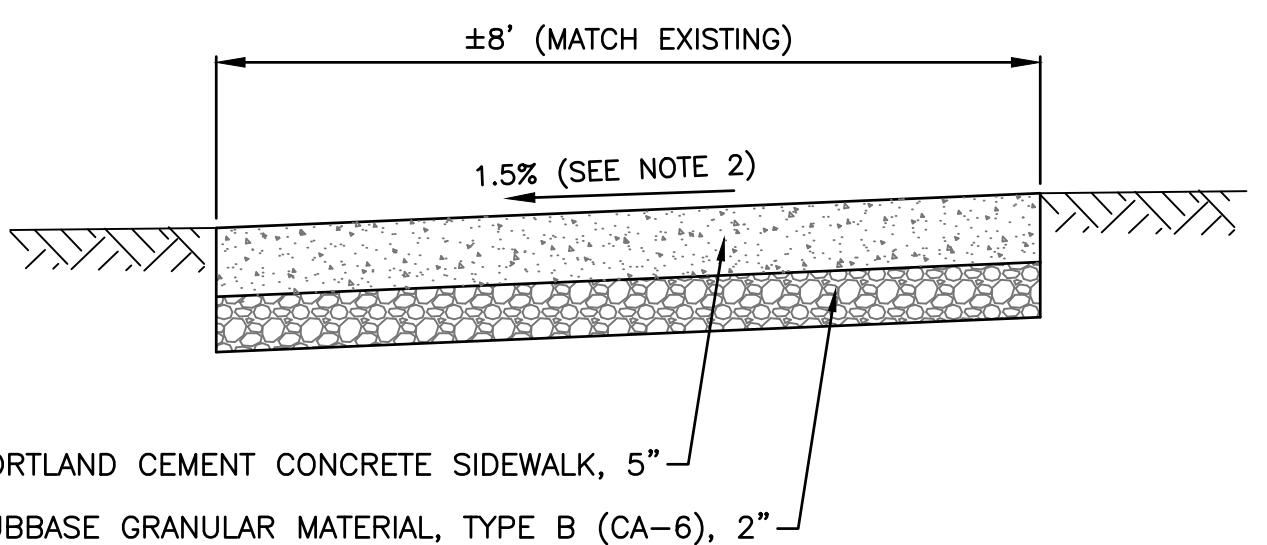


NOTES:  
 1. THE LINER SHALL BE PLACED ON BOTTOM OF WATERWAY WITH EXCESS LINER EXTENDING OUT OF THE COFFERED AREA. ONCE STONE IS PLACED, LINER WILL BE PULLED OVER ROCK AND EXTEND BEYOND THE PILE ON THE DOWNSTREAM SIDE. SANDBAGS WILL SECURE THE EXCESS LINER AS SHOWN. REFER TO THE STANDARD FOR LINER SPECIFICATIONS.

REFERENCE	Project	STANDARD DWG. NO.
Designed	Date	IUM-503RP
Checked	Date	
Approved	Date	SHEET 6 OF 7 DATE 07-09-2012



STANDARD DWG. NO.  
IUM-503RP  
SHEET 6 OF 7  
DATE 07-09-2012



NOTES:

1. ALL SIDEWALKS SHALL HAVE CONTRACTION JOINTS AT 5' AND EXPANSION JOINTS AT 50' INTERVALS.
2. MATCH THE CROSS SLOPE OF THE ADJACENT EXISTING SIDEWALK AT LIMITS.

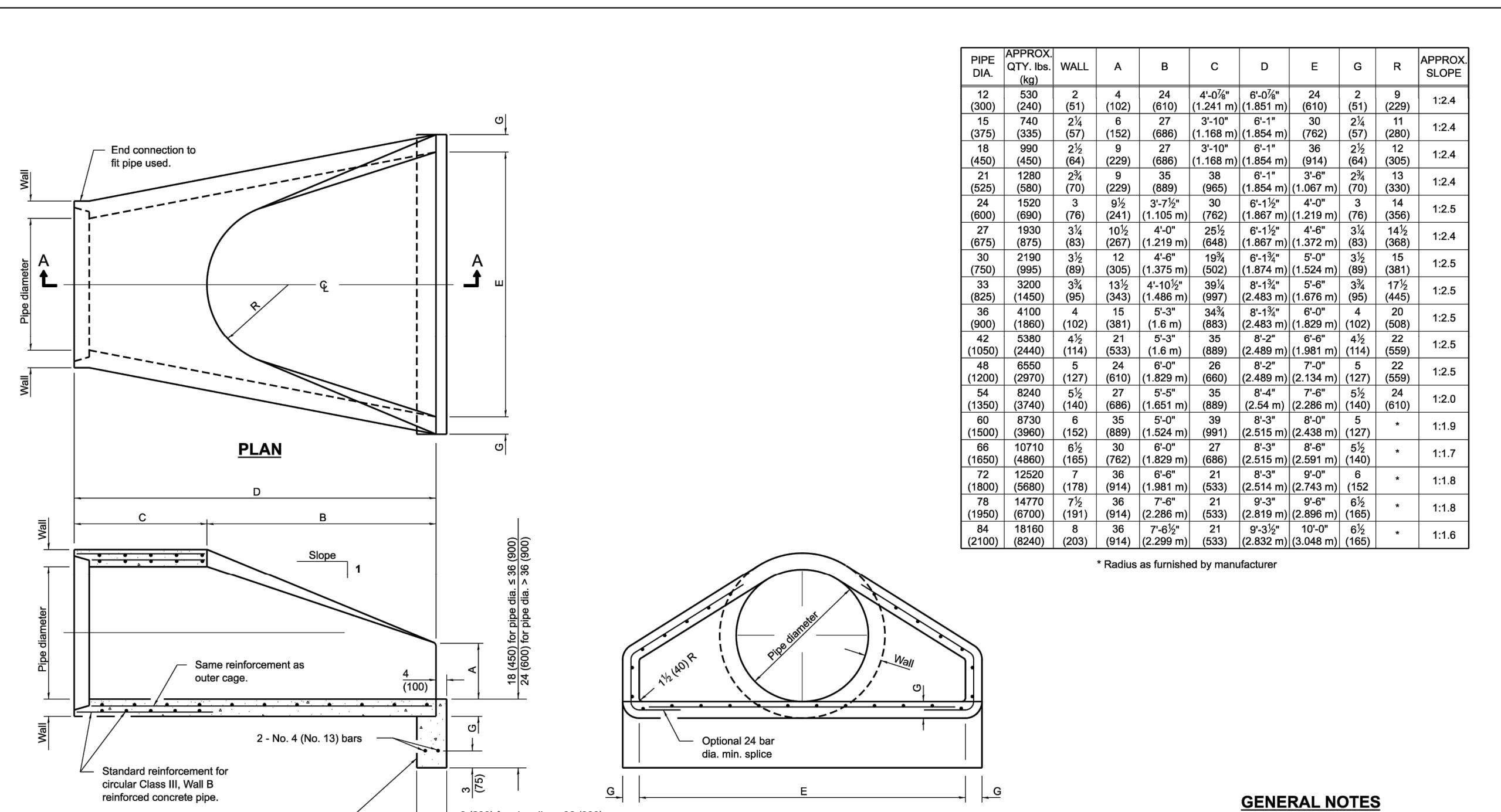
**TYPICAL SIDEWALK SECTION**

QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED 20" WIDTH CU YD
4"	0.14
6"	0.16
8"	0.19
10"	0.22
12"	0.25
15"	0.30
18"	0.35
24"	0.45
30"	0.57
36"	0.69
42"	0.83
48"	0.97
54"	1.12
60"	1.28

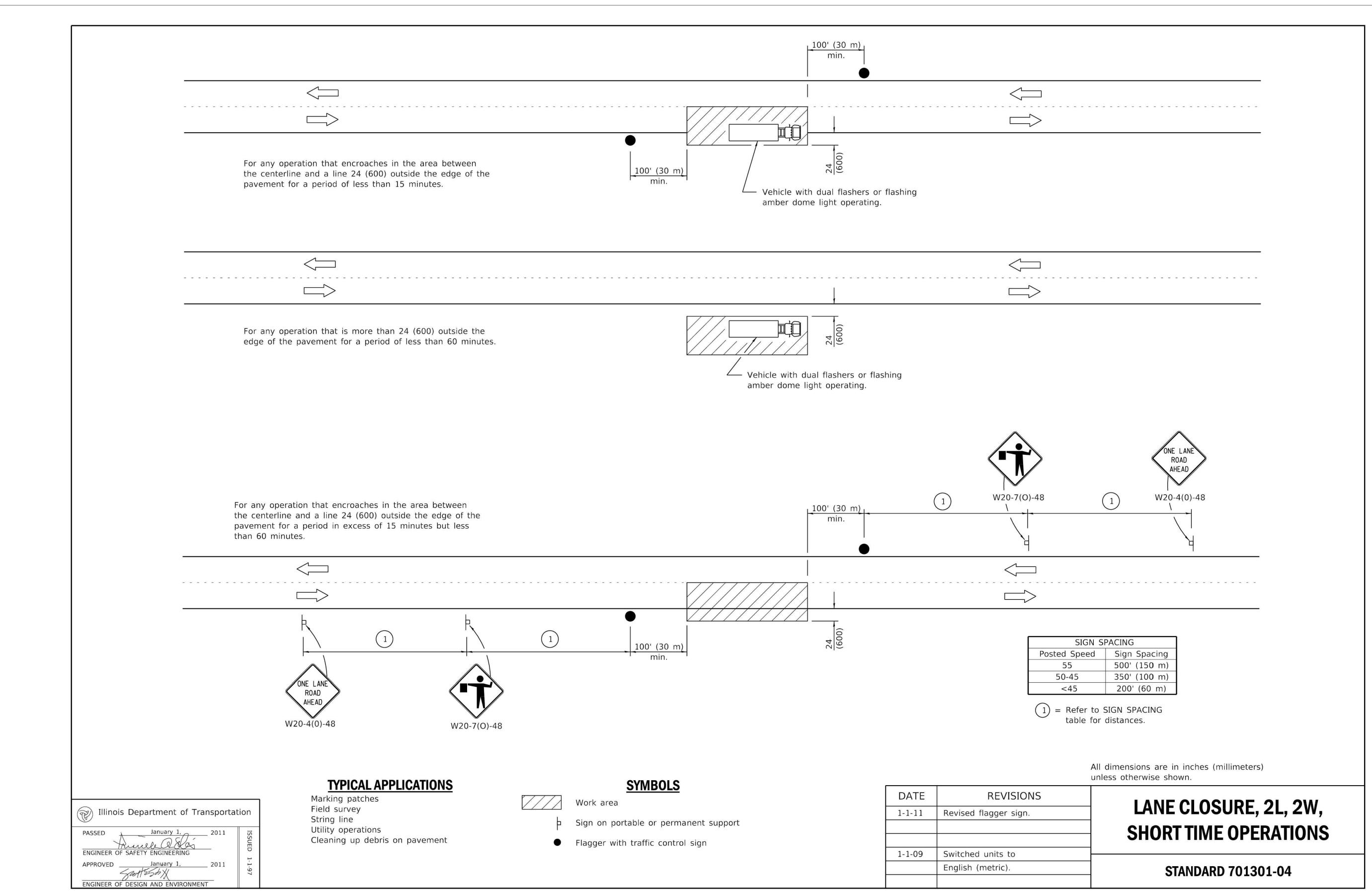
QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED 20" WIDTH CU YD
4"	0.12
6"	0.14
8"	0.16
10"	0.19
12"	0.21
15"	0.25
18"	0.29
24"	0.38
30"	0.47
36"	0.59
42"	0.69
48"	0.81
54"	0.93
60"	1.05

GENERAL NOTES:

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIMENSIONS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIMENSION (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGHT NOT LESS THAN 54 POUNDS PER 100 SQ FT.
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXISTING CONCRETE SHALL BE USED AND WILL BE INCIDENTAL TO THE COST OF THE CONCRETE COLLAR.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, CU YD, FOR CONCRETE COLLAR INCLUDING ALL MATERIAL AND LABOR RECORDED TO COMPLETE THE WORK IN PLACE.
6. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



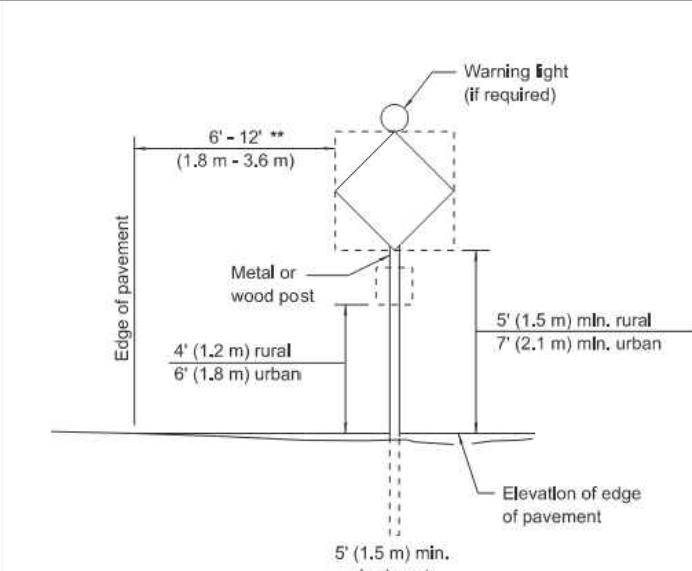
DATE	REVISIONS	PRECAST REINFORCED CONCRETE FLARED END SECTION		STANDARD 542301-03
1-1-11	Clarified ref. to pipe dia. on Section A-A. Changed 'inner' to 'outer' cage; ref.			
1-1-09	Switched units to English (metric).			



**CITY OF ROCKFORD  
JEFFERSON STREET  
ROCK RIVER BANK STABILIZATION**

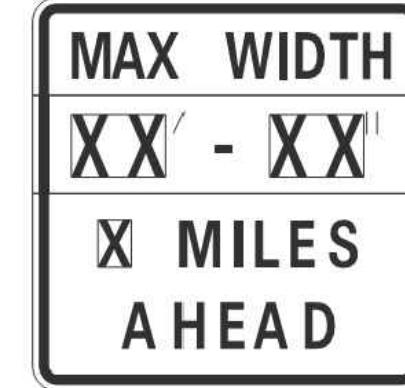
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	HEET NO.
		WINNEBAGO	16	13
		ILLINOIS	FED. AID PROJECT	





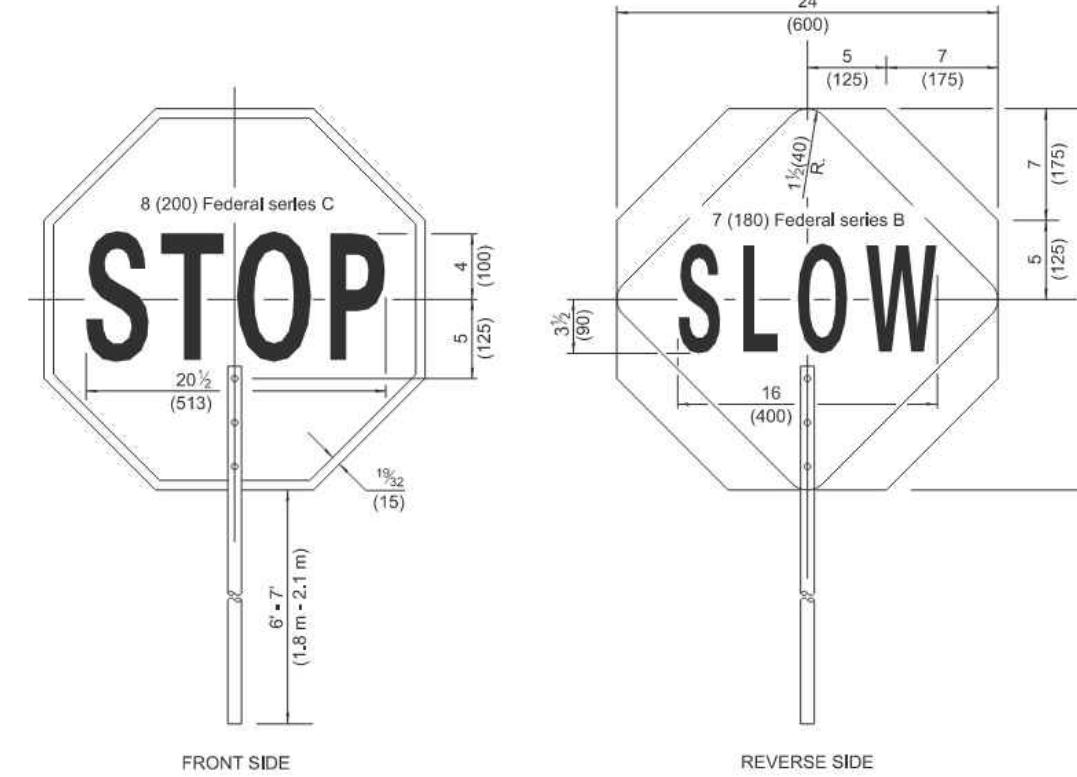
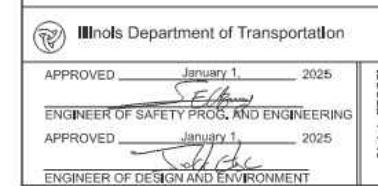
#### POST MOUNTED SIGNS

\*\* When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.

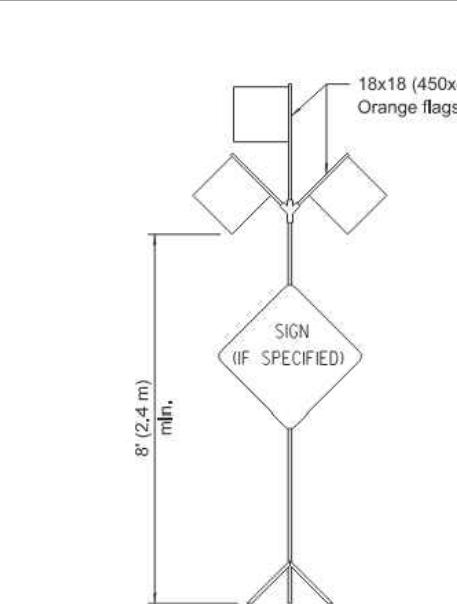


#### WIDTH RESTRICTION SIGN

XX-XX" width and X miles are variable.



#### FLAGGER TRAFFIC CONTROL SIGN



#### SIGNS ON TEMPORARY SUPPORTS

\*\*\* When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be placed completely above the devices.

#### ROAD CONSTRUCTION NEXT X MILES

G204104(0)-6036

END CONSTRUCTION

G204105(0)-6024

This sign is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

#### WORK LIMIT SIGNING

W21-15(0)-3618

R2-1-3648

R10-108p-3618 \*\*\*\*

R2-106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

END WORK ZONE SPEED LIMIT

G204103-6036

This sign shall be used when the above sign assembly is used.

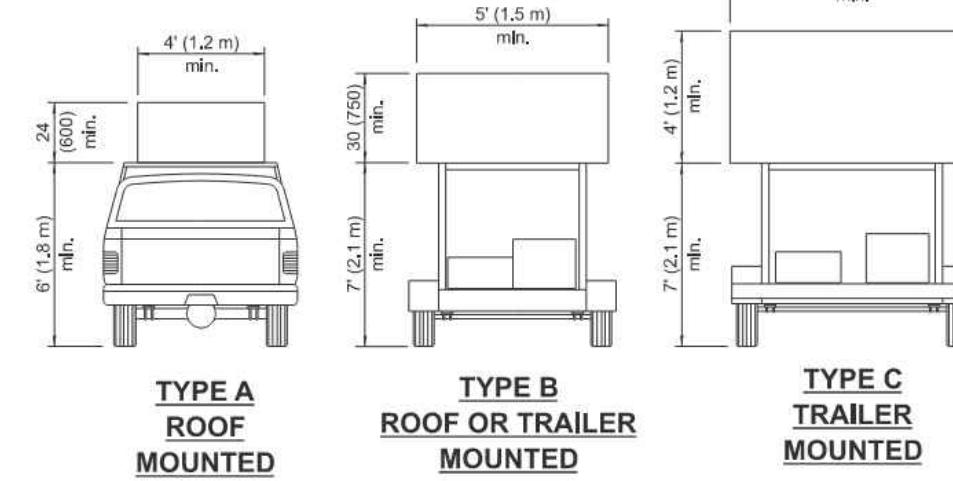
#### HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

\*\*\*\* R10-108p shall only be used along roadways under the jurisdiction of the State.

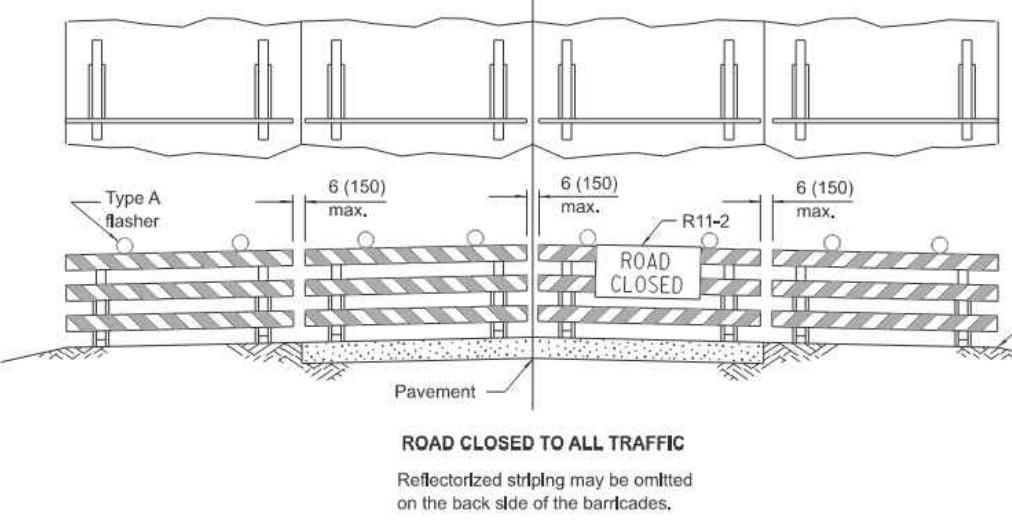
#### TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-10

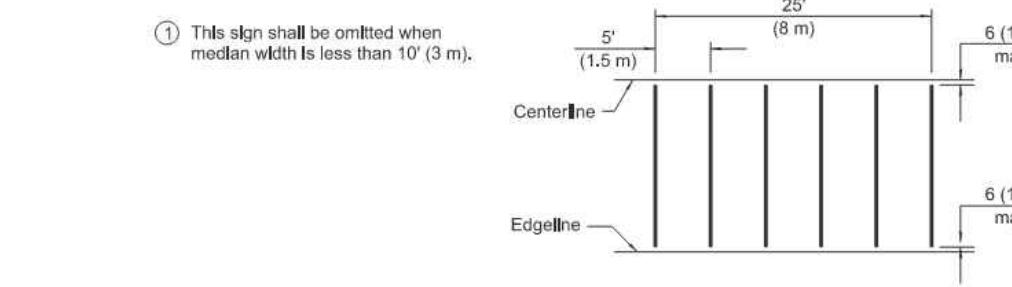


#### ARROW BOARDS

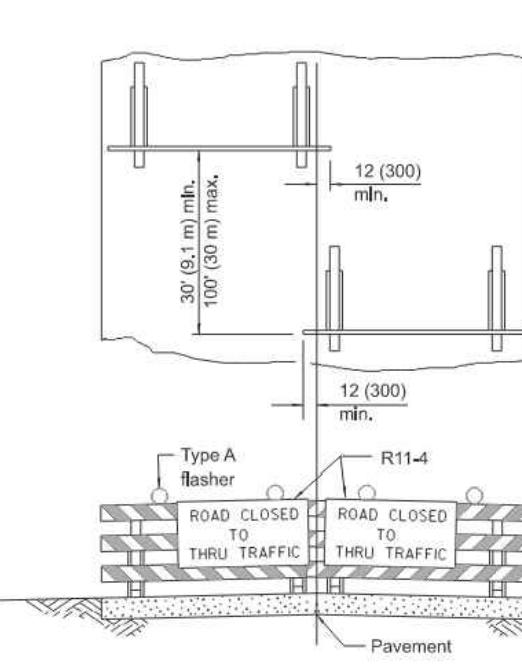


#### ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades.



#### TYPICAL INSTALLATION



#### ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricade.

#### TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-10

#### ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED January 1, 2025

ENGINEER OF SAFETY, TRAFFIC, AND ENGINEERING APPROVED January 1, 2025

ENGINEER OF DESIGN AND ENVIRONMENT

#### TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

If a Type III barricade with an attached sign panel which meets NCHRP 350 or MASH is not available, the sign may be mounted on an NCHRP 350 or MASH temporary sign support directly in front of the barricade.

1 JEFFERSON STREET ROCK RIVER BANK CROSS SECTIONS

COMPANY NAME:  
HRGreen.com  
Illinois Professional Design Firm  
FILE NAME:  
2404245-Xsec  
PLOT DRIVER:  
DMC To PDF.pc3  
PEN TABLE:  
SEC Standard



USER NAME = CHRIS.ROGERS  
FILE NAME = 2404245-Xsec  
PLOT SCALE = 1"=10'  
PLOT DATE = 7/16/2025

DESIGNED - AHP  
DRAWN - CFR  
CHECKED - LRG  
DATE - 07/16/2025

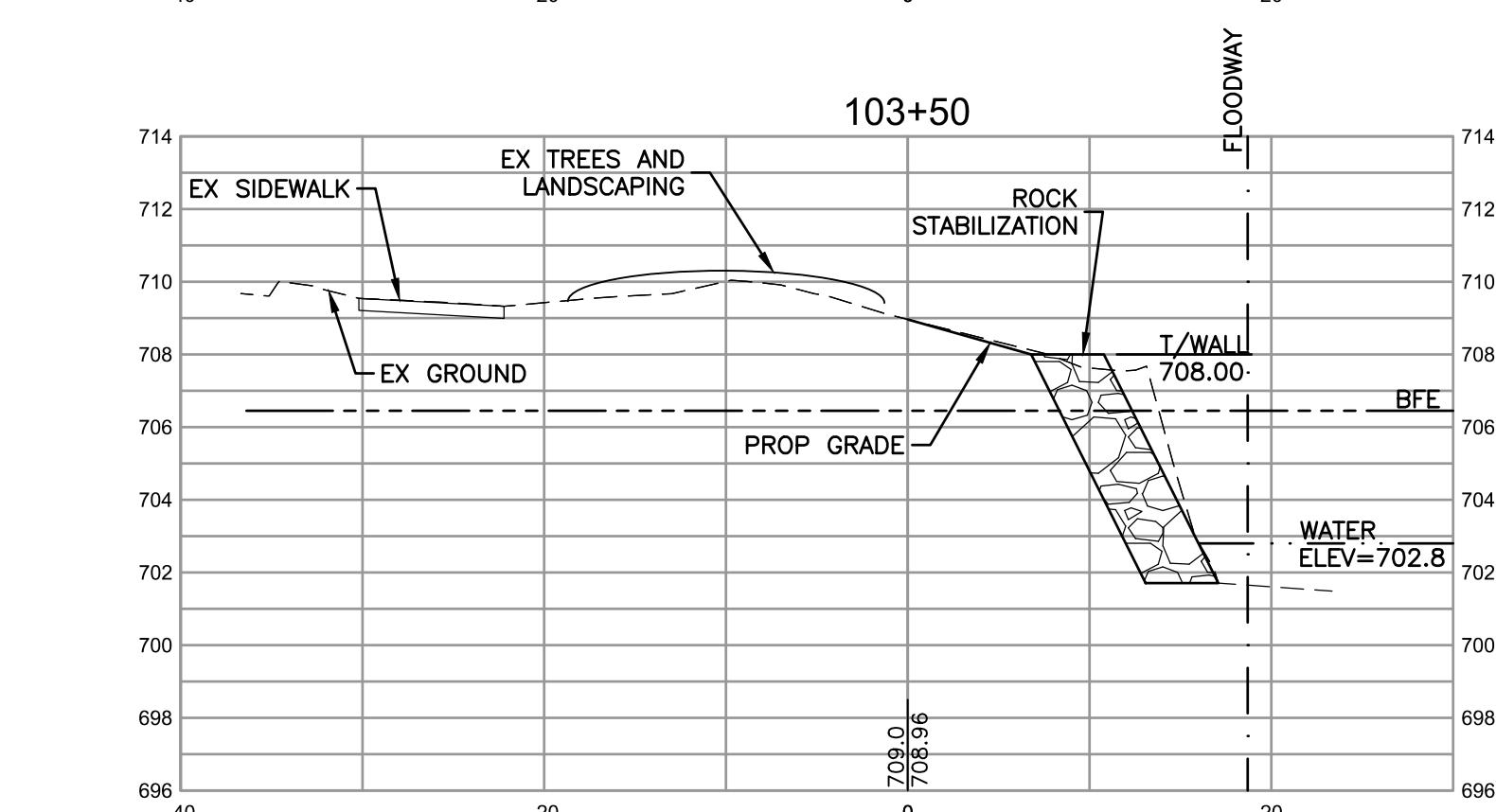
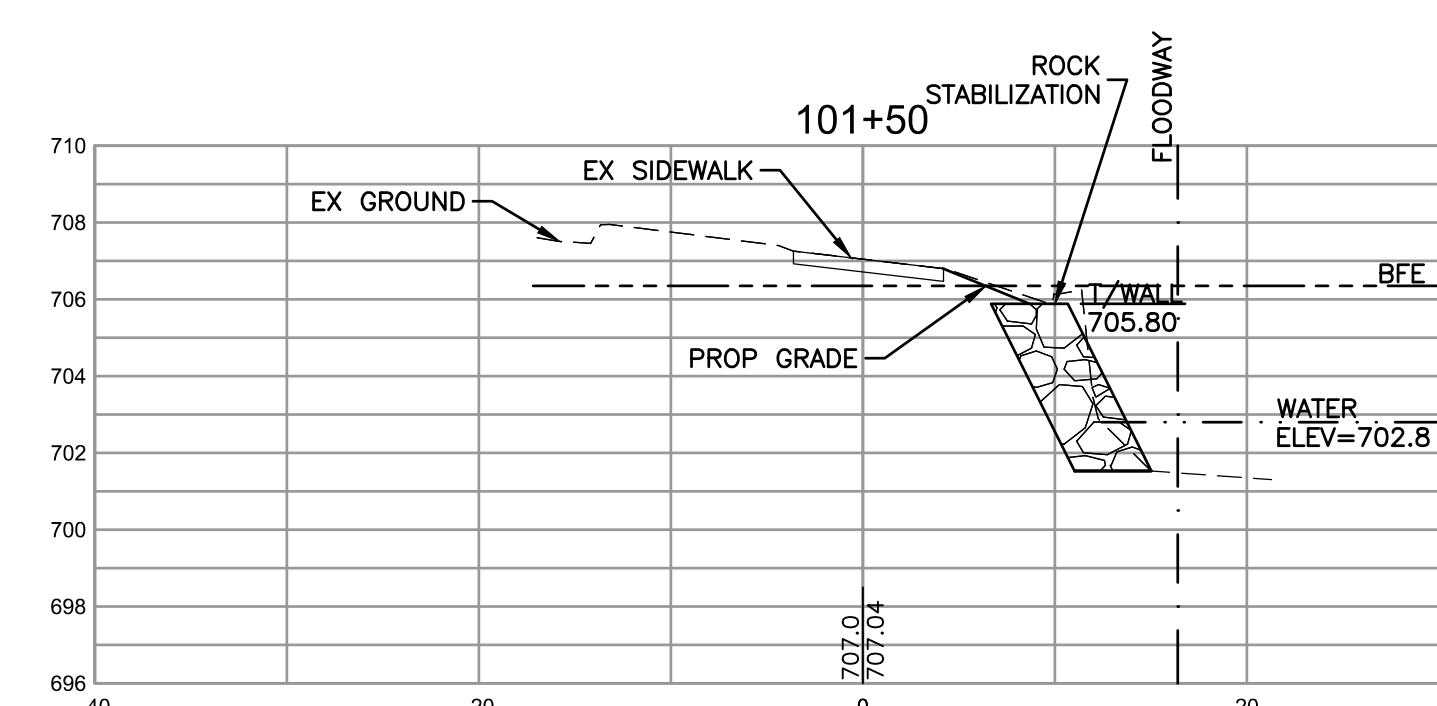
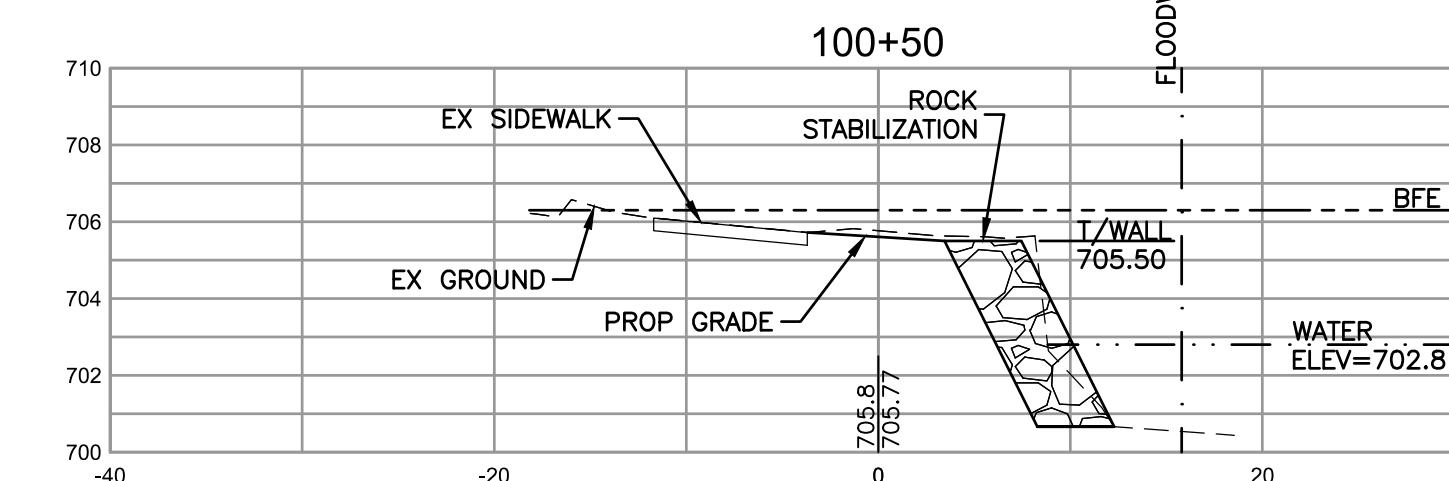
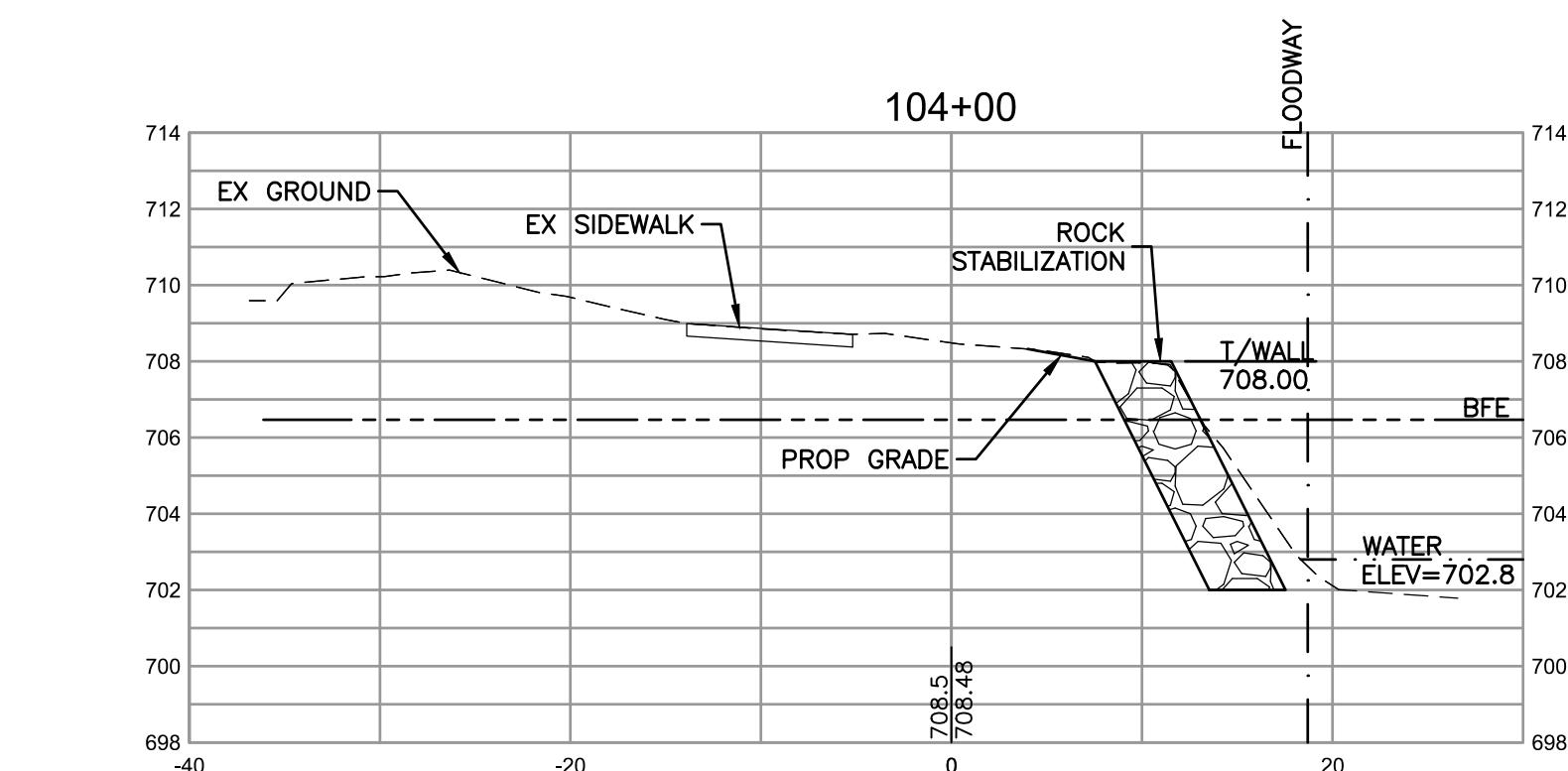
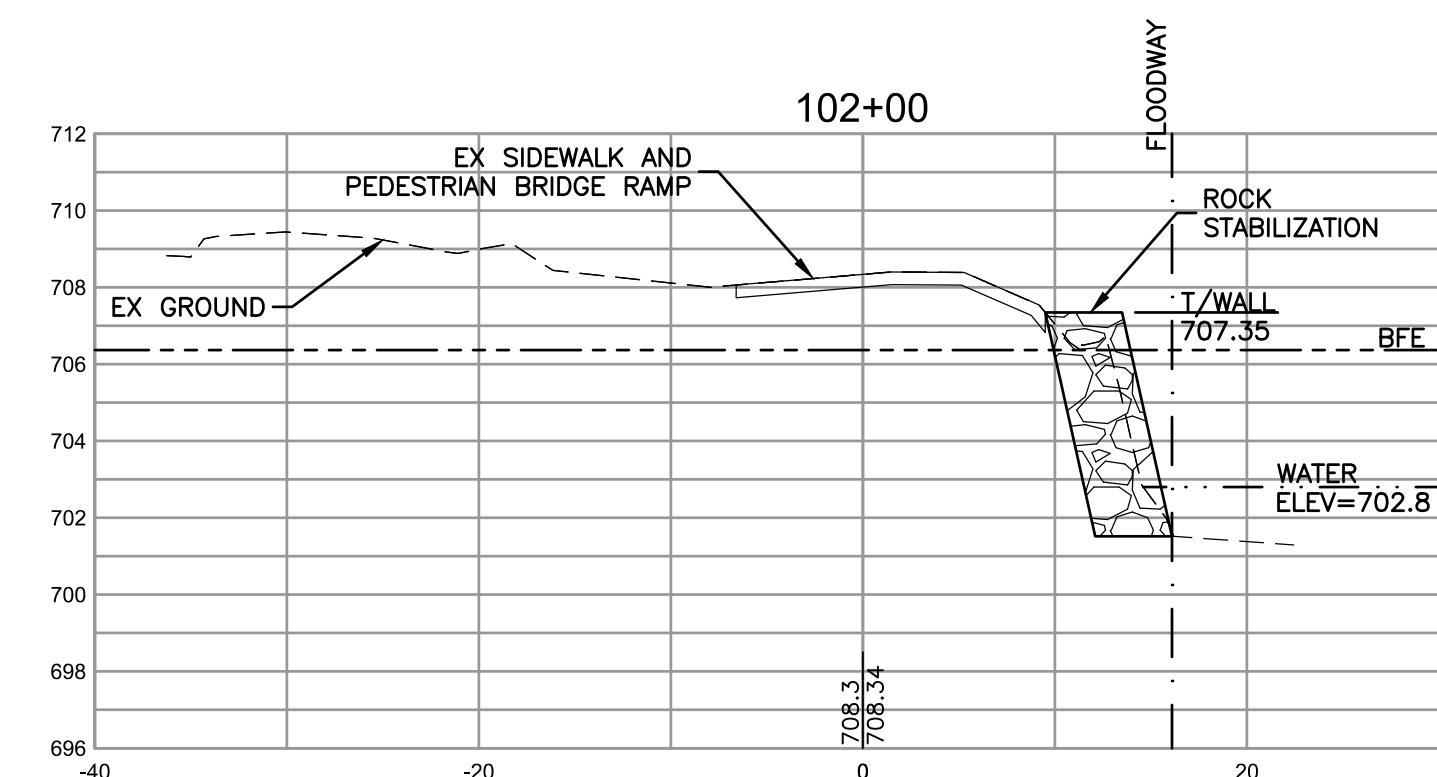
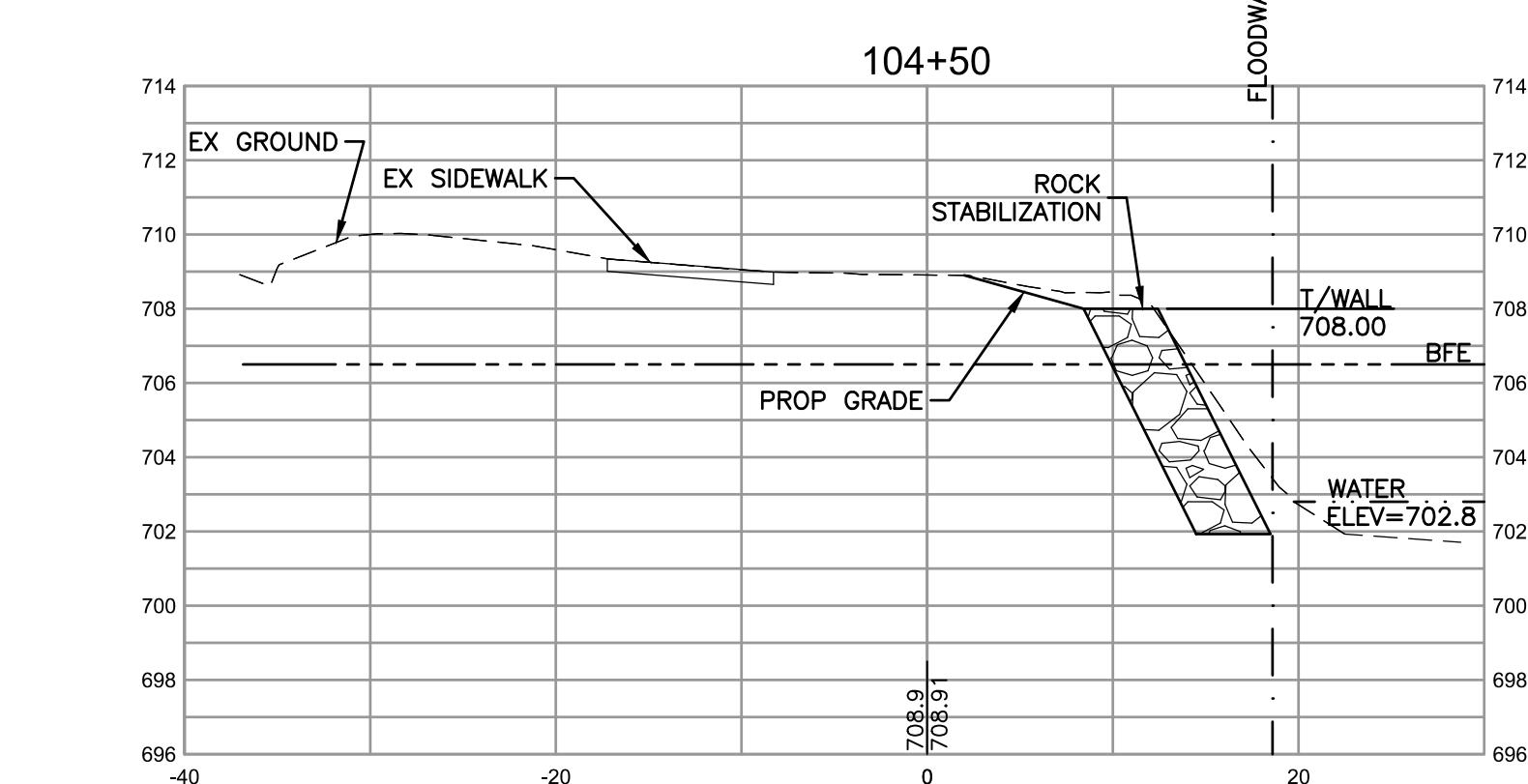
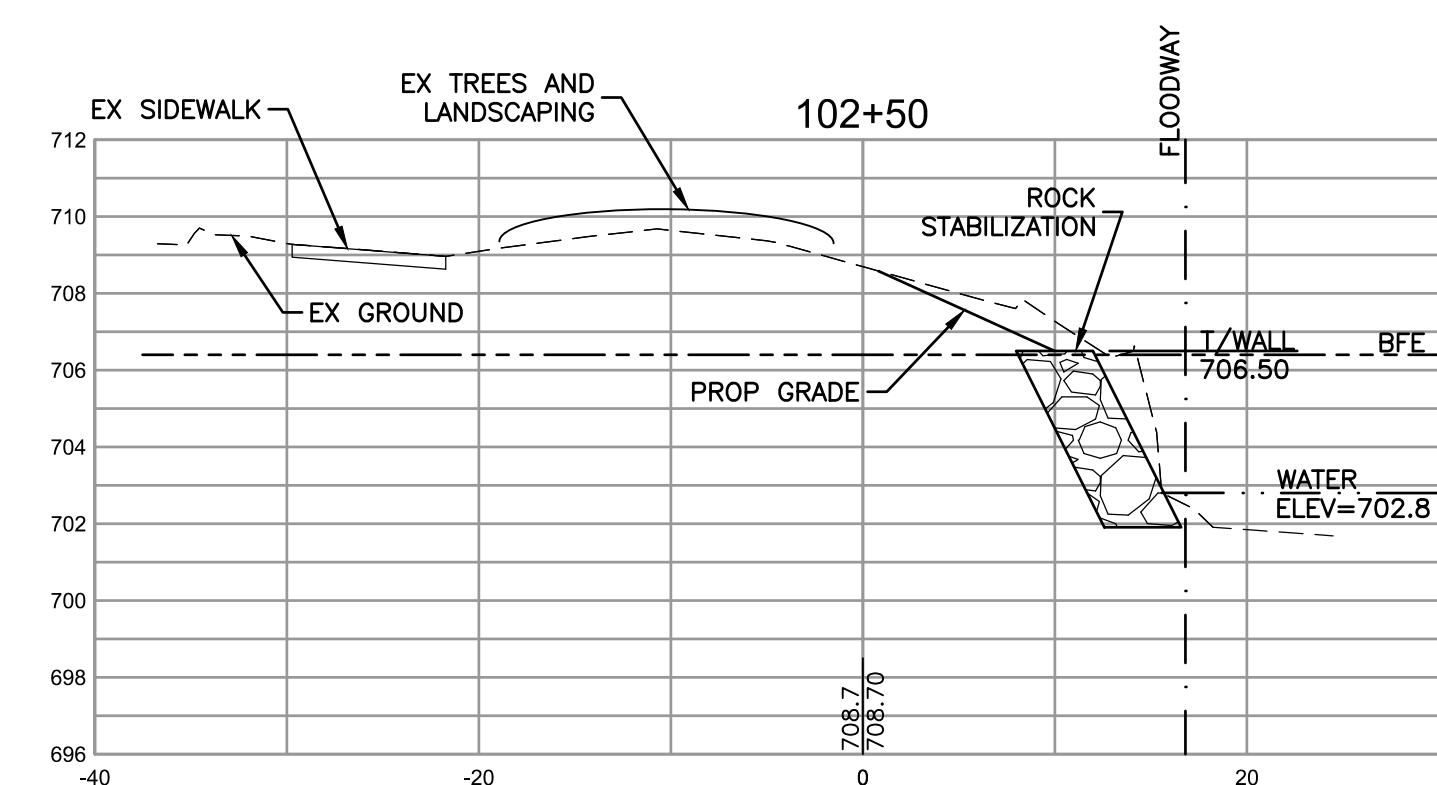
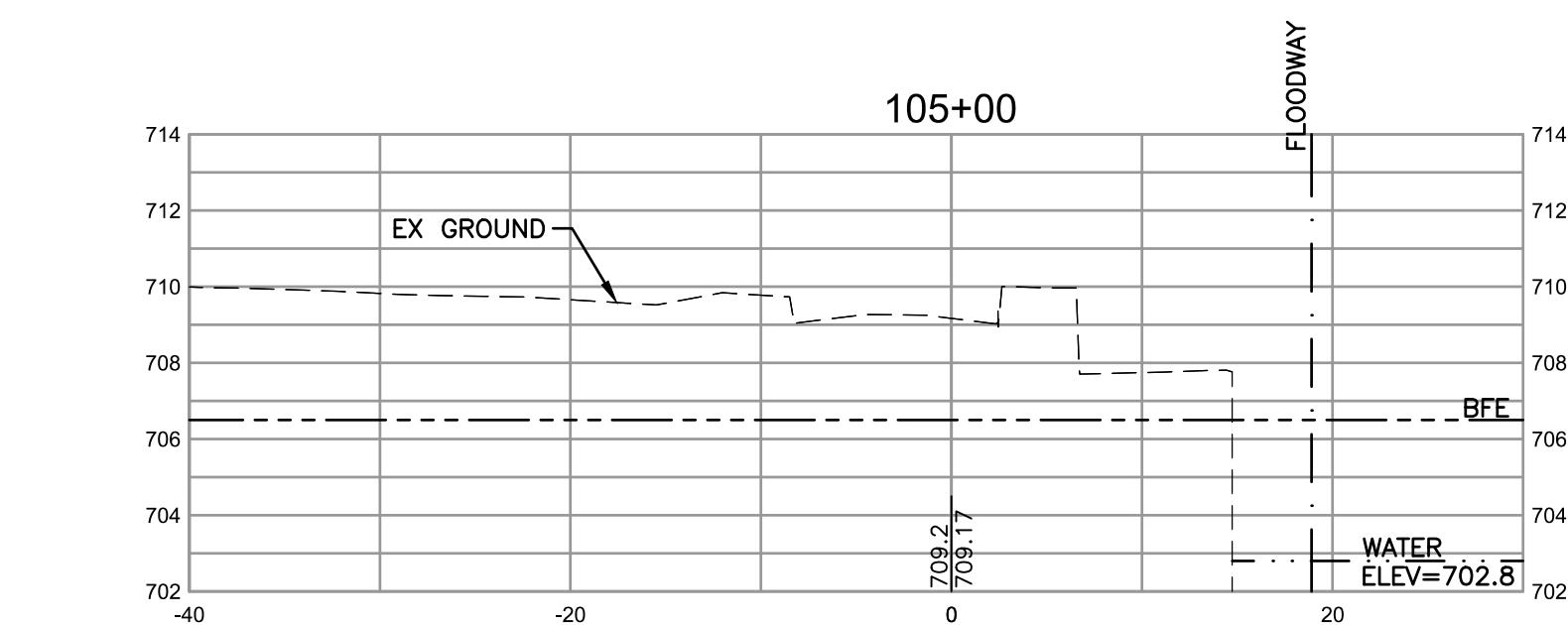
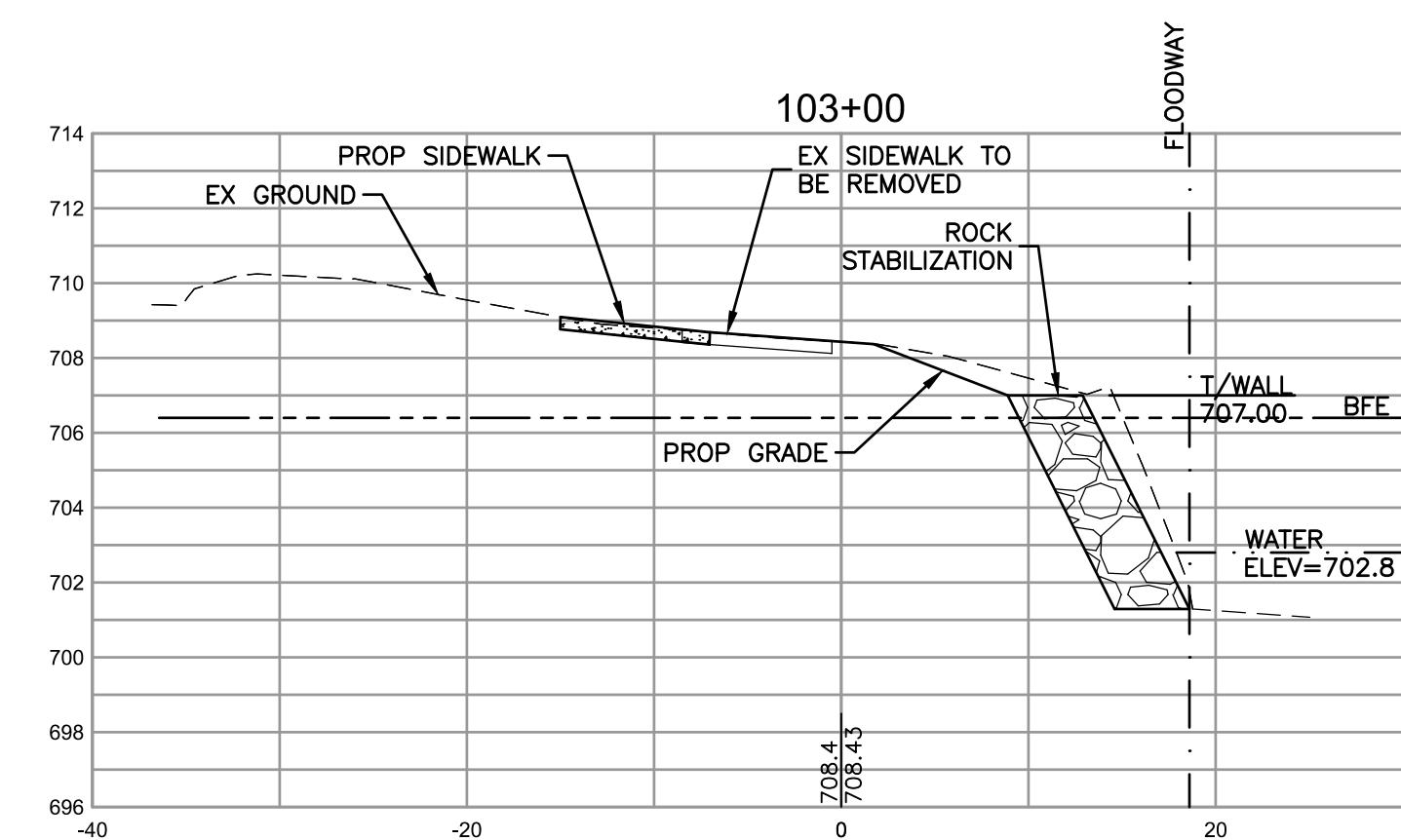
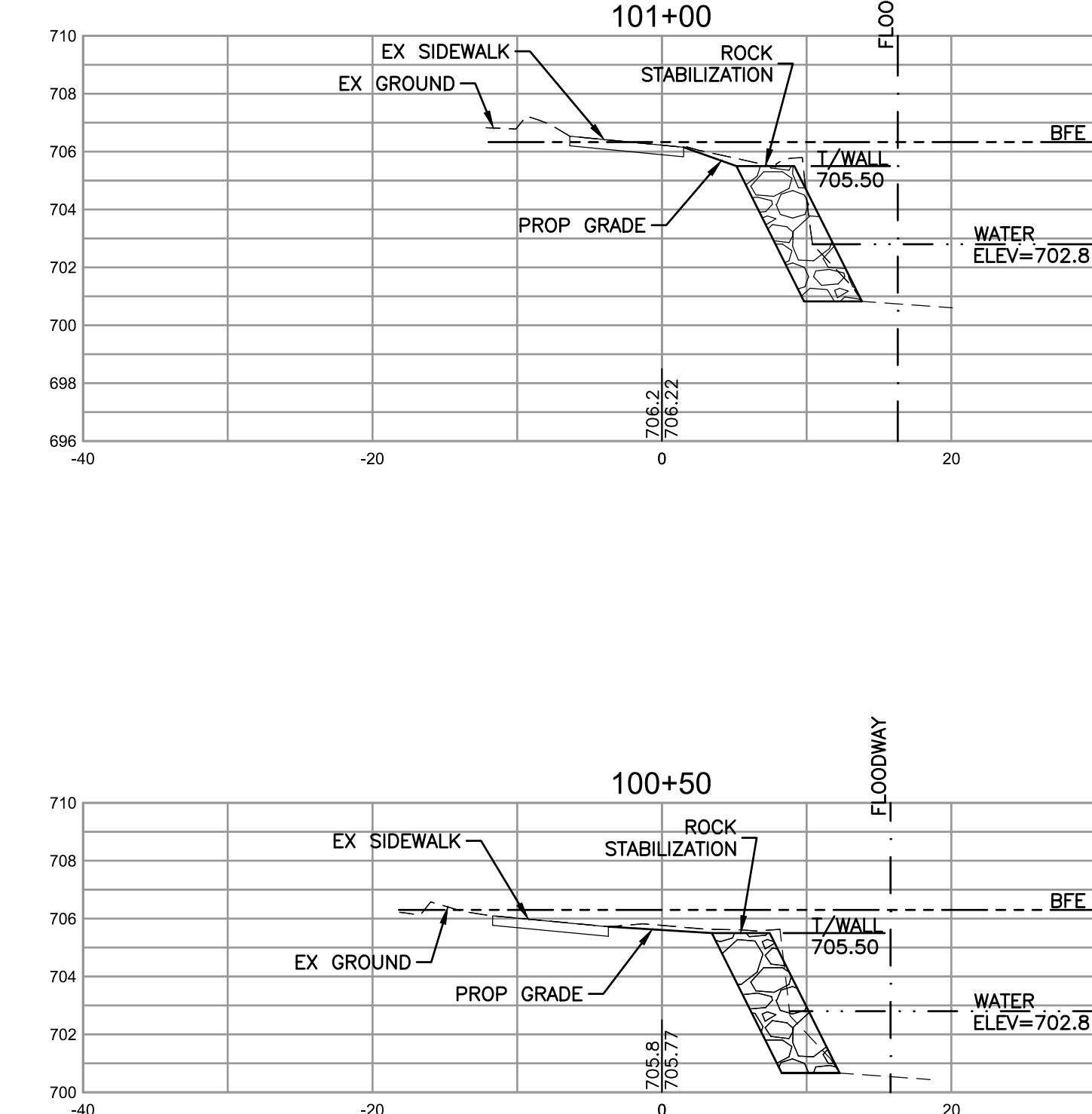
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REVISED -

CITY OF ROCKFORD  
JEFFERSON STREET  
ROCK RIVER BANK STABILIZATION

BANK CROSS SECTIONS

HORIZONTAL SCALE: 1" = 10' VERTICAL SCALE: 1"=5'  
F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
WINNEBAGO 16 16  
CONTRACT NO.  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



0' 5' 10' 20'

PROJECT CONTACT:  
DATE: 7/16/2025 3:38 PM  
FILE: 2404245-Xsec  
PLOT DRIVER:  
DMC To PDF.pc3  
PEN TABLE:  
SEC Standard