



**US Army Corps
of Engineers®**
New England District
696 Virginia Road
Concord, MA 01742-2751

PUBLIC NOTICE

Comment Period Begins: July 20, 2021
Comment Period Ends: August 19, 2021
File Number: NAE-2016-02286 In Reply
Refer To: LeeAnn Neal Phone: (978)
318-8498
E-mail: leeann.neal@usace.army.mil

30 DAY NOTICE

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below. The Corps is soliciting comments on both the project itself and the range of issues to be addressed in the environmental documentation.

APPLICANT: Greater Augusta Utility District, 12 Williams Street, Augusta, Maine 04330

ACTIVITY: The work involves the replacement and rehabilitation, respectively, of the Greater Utility District's existing 8" and 20" parallel cast iron sanitary sewer siphons (pipelines) and the installation of a new 16" water main and a new 16" sewer siphon beyond the mean high water line and buried below the bottom of the Kennebec River at Augusta, Maine. The pipeline installations will be facilitated by the construction of a temporary 25' wide x 70' long pile supported construction trestle (work platform) extending beyond the mean high water line from the west bank of the river, and the installation of up to eight (8) individual temporary piles spanning the river. All temporary structures are to be removed once the construction is complete.

The work is shown on the enclosed plans entitled "Greater Augusta Utility District, Kennebec River Sewer Siphon Replacement and Water Main Installation Project" on eight (8) sheets; sheets 1-2 dated "March 2, 2021", sheet 3 most recently revised "July 1, 2021"; sheets 4,5,7, and 8 dated "June 16, 2021" and sheet 6 most recently revised "May 18, 2018".

The project is anticipated to cause temporary disturbance of the substrate, and temporary interruption to navigation within the waterway for the duration of the construction period. Standard sediment and erosion controls will be employed in upland areas of disturbance; the piles and trestle will be removed post installation of the pipes, and the trench will be backfilled and restored to the original contour and character. In addition, appropriate time of year restrictions will be followed to minimize the effects of the project on federally listed species that may be in the project area during construction.

WATERWAY AND LOCATION OF THE PROPOSED WORK: Kennebec River at Augusta, Maine. The project is located at Latitude 44.300216°N; Longitude -69.777937°W, on the USGS AUGUSTA, ME quadrangle sheet.

AUTHORITY:

Permits are required pursuant to:

- ☒ Section 10 of the Rivers and Harbors Act of 1899
- ☒ Section 404 of the Clean Water Act
- ☐ Section 103 of the Marine Protection, Research and Sanctuaries Act.
- ☒ Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408)

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers, New England District (USACE), is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The USACE will consider all comments received to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

The activities proposed herein will also require permission from the USACE pursuant to 33 U.S.C. 408 (Section 408) because it will alter or temporarily or permanently occupy or use a USACE federally authorized Civil Works project known as the Kennebec River Federal Navigation Project (FNP). Information on the Kennebec River FNP can be obtained at: <https://www.nae.usace.army.mil/Missions/Navigation/Maine-Projects/>. The proposed alteration involves temporary substrate disturbance associated with the trenching and temporary side-casting of substrate materials associated with the replacement and rehabilitation of the Greater Augusta Utility District sanitary sewer siphon pipes and installation of a new 16' sewer siphon and new 16" water main below the mean high water line of the Kennebec River at Augusta, Maine. The proposed alteration is located at an entrance in the upland bank adjacent to Kennedy Brook on the west side of the Kennebec River off 33 Jackson Avenue, Augusta, Maine to a point of exit on the eastern bank as shown on the attached plan. A permit pursuant to Section 10/404 shall not be granted until the Section 408 permission is issued. Through this public notice we are soliciting information necessary to inform the USACE evaluation and review.

ESSENTIAL FISH HABITAT (EFH) & ENDANGERED SPECIES CONSULTATION: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

Trenching and backfilling as well as pile driving will impact EFH for a variety of species and their various life stages. River bottom habitat at this site includes boulders, cobbles, sand, and gravel substrates; and cobble dominated with sediments consisting of a gray-brown alluvial material, primarily medium and fine sand with some silt and gravel. The trenching portion of this project will temporarily impact approximately 10,800SF (0.248acres) of EFH. Material excavated during trenching will be side cast, resulting in another approximate 14,400SF (0.330acres) of temporary impact. After the pipeline work is complete, the side cast material will be backfilled in the trench, restoring original contours and character. Impacts to EFH are expected to include temporary loss of bottom habitat, turbidity, and general disturbance, however these impacts are expected to be minimal and of relatively short duration. Instream work windows and other best management practices are expected to further minimize potential impacts. The District Engineer has made a preliminary determination that the site-specific adverse effects will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

Similarly, the Corps has initiated consultation with the National Marine Fisheries Service pursuant to Section 7 of the Endangered Species Act of 1973. The Kennebec River supports the federally endangered shortnose sturgeon, federally threatened Atlantic sturgeon, Atlantic sturgeon Critical Habitat (Gulf of Maine, New York Bight, and Chesapeake Bay DPS), and is within the range of the Gulf of Maine Distinct Population Segment ("DPS") of Atlantic salmon. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. Consultation with the National Marine Fisheries Service will be concluded prior to any final decision and will likely result in recommendations to avoid or minimize potential adverse impacts to listed species.

NATIONAL HISTORIC PRESERVATION ACT: The Corps has initiated consultation with the Maine Historic Preservation Commission and Maine's Indian Tribes pursuant to Section 106 of the National Historic Preservation Act of 1966 as amended. The District Engineer has made the preliminary determination that the proposed work is not likely to affect properties listed in, or eligible for listing in, the National Register of Historic Places. The Corps will continue review and consultation to fulfil requirements under the Historic Preservation Act as part of the permit review process.

OTHER GOVERNMENT AUTHORIZATIONS: The applicant has supplied the Maine Department of Environmental Protection with a permit application for the work described in this public notice and is requesting that the Department either grant or waive Water Quality Certification in accordance with Section 401 of the Clean Water Act. Comments regarding the applicant's Permit/Water Quality Certification request may be submitted in writing to: Nick Livesay, Director, Bureau of Land Resources, Department of Environmental Protection, 17 State House Station, Augusta, ME, 04333-0017 or by email to: Nick.Livesay@maine.gov

The applicant and the Corps of Engineers are coordinating with the U.S. Coast Guard to determine the

appropriate installation of aids to navigation necessary to minimize impediments to navigation within the waterway. Any necessary Private Aids to Navigation permits from the Coast Guard will be obtained prior to construction.

The states of Connecticut, Maine, Massachusetts, New Hampshire, and Rhode Island have approved Coastal Zone Management Programs. Where applicable, the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, license, or assent from State.
- () Permit from local wetland agency or conservation commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact LeeAnn Neal at (978) 318-8498 or (207) 623-8367 extension 2.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The USACE holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Frank J. Del Giudice
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil.

PROJECT LOCATION



Greater Augusta Utility District
Augusta, Maine
NAE-2016-02286 sheet 1 of 8 "03/02/2021"

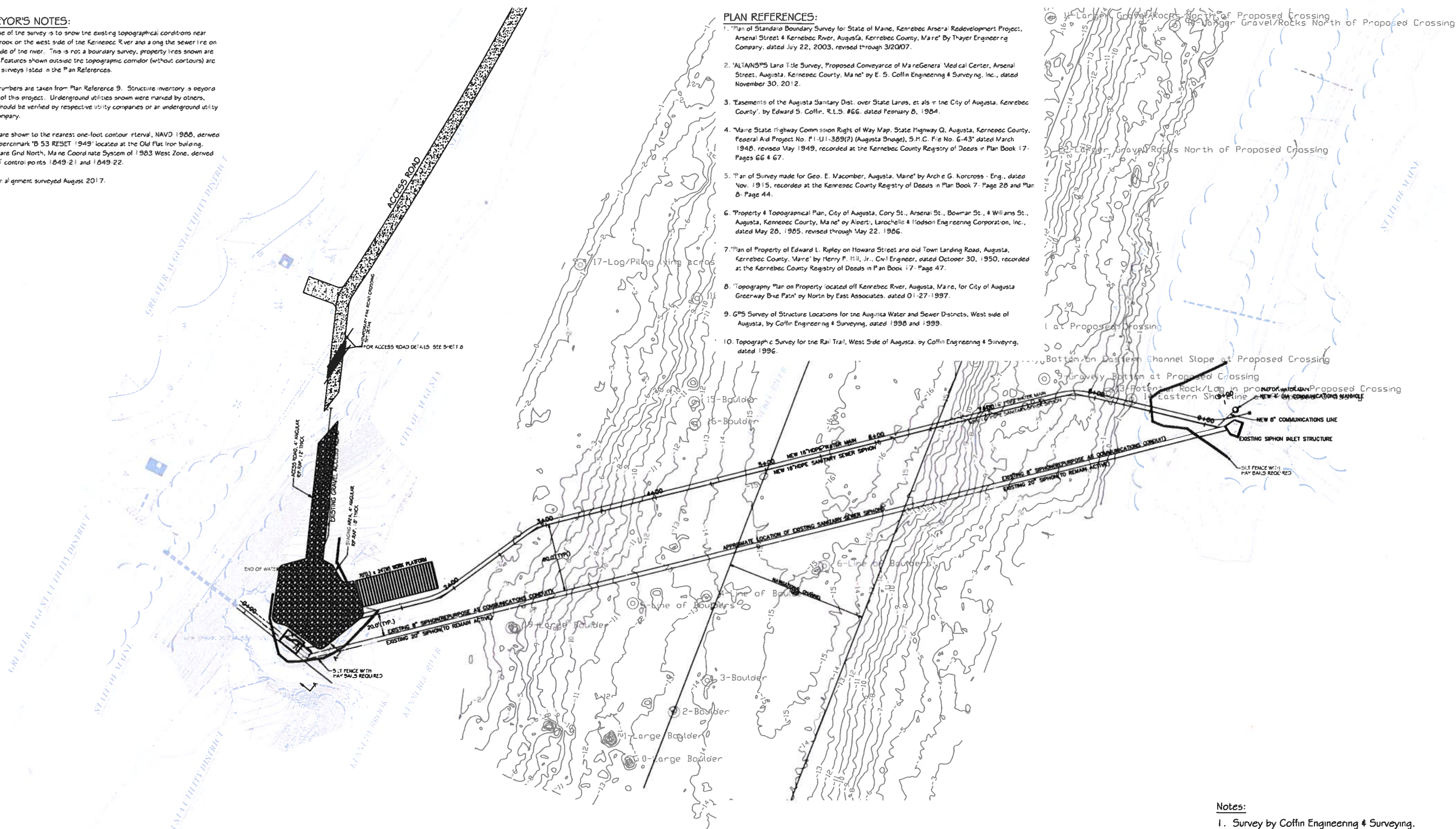
The purpose of the survey is to show the existing topographical conditions near Kennedy Brook on the west side of the Kennebec River and along the sewer line on the east side of the river. This is not a boundary survey, property lines shown are apparent. Features shown outside the topographic corridor (without contours) are taken from surveys listed in the Plan References.

Structure numbers are taken from Plan Reference 9. Structure inventory is beyond the scope of this project. Underground utilities shown were marked by others. Locations should be verified by respective utility companies or an underground utility location company.

Elevations are shown to the nearest one-foot contour interval, NAVD 1988, derived from NGS benchmark "B 53 RESET 1949" located at the Old Flat Iron building. Directions are Grid North, Maine Coordinate System of 1983 West Zone, derived from MDO control points 1849.2 and 1849.22.

New 5 point alignment surveyed August 2017.

1. "Plan of Standard Boundary Survey for State of Maine, Kennebec Arsenal Redevelopment Project, Arsenal Street & Kennebec River, Augusta, Kennebec County, Maine" by Thayer Engineering Company, dated July 22, 2003, revised through 3/20/07.
2. "ALTANSIS Landa Title Survey, Proposed Conveyance of MaineGeneral Medical Center, Arsenal Street, Augusta, Kennebec County, Maine" by E. S. Coffin Engineering & Surveying, Inc., dated November 30, 2012.
3. "Easements of the Augusta Sanitary District over State Land, et al in the City of Augusta, Kennebec County", by Edward S. Coffin, R.L.S. #66, dated February 8, 1984.
4. "Maine State Highway Commission Right of Way Map, State Highway Q, Augusta, Kennebec County, Federal Aid Project No. F11U1-389(12) (Augusta Bridge), S.H.C. File No. G-43" dated March 1948, revised May 1949, recorded at the Kennebec County Registry of Deeds in Plan Book 17- Pages 66 & 67.
5. "Plan of Survey made for Geo. E. Macomber, Augusta, Maine" by Archib. G. Norcross - Eng., dated Nov. 1915, recorded at the Kennebec County Registry of Deeds in Plan Book 7- Page 28 and Plan B- Page 44.
6. "Property & Topographical Plan, City of Augusta, Cory St., Arsenal St., Bowman St., & Willard St., Augusta, Kennebec County, Maine" by Albert, Laroche & Hodson Engineering Corporation, Inc., dated May 28, 1965, revised through May 22, 1966.
7. "Plan of Property of Edward L. Ripley on Howard Street and old Town Landing Road, Augusta, Kennebec County, Maine" by Henry F. Hill, Jr., Civil Engineer, dated October 30, 1950, recorded at the Kennebec County Registry of Deeds in Plan Book 17- Page 47.
8. "Topography Map on Property located off Kennebec River, Augusta, Maine, for City of Augusta Greenway Blue Path" by North by East Associates, dated 01-27-1997.
9. GPS Survey of Structure Locations for the Augusta Water and Sewer Districts, West side of Augusta, by Coffin Engineering & Surveying, dated 1998 and 1999.
10. Topographic Survey for the Rail Trail, West Side of Augusta, by Coffin Engineering & Surveying, dated 1996.




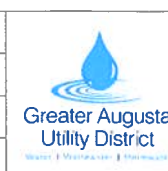
1. Survey by Coffin Engineering & Surveying.
2. Test Borings performed by Summit Geoenengineering Services.
3. Multibeam Bathymetric Survey by Steele Associates Marine Consulting, LLC. Performed on December 10, 2019.

SCALE: 1" = 40'

PRELIMINARY DESIGN

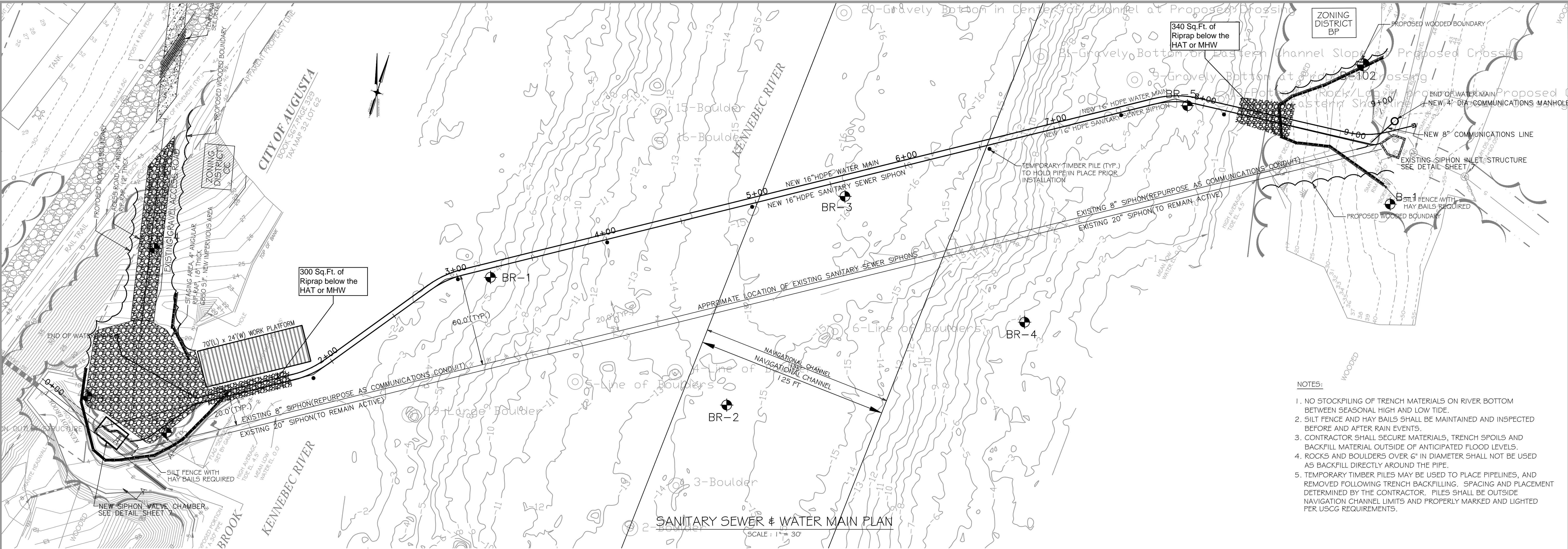
AC	DESCRIPTION	DATE
	REV 5/01/95	

 <p>ORIGINAL FULL SIZE DRAWING = 4"</p> <p>REPRODUCTIONS MAY BE REDUCED SIZE</p>					DRAWING NO. JOB NO. 17001
APPROVED					CONTACT NO.
DESIGNED	DRAWN	CHECKED	SCALE	DATE	Sheet : 2 OF 8
RWA	RWA	ANB	AS NOTED	Mar. 2, 2021	



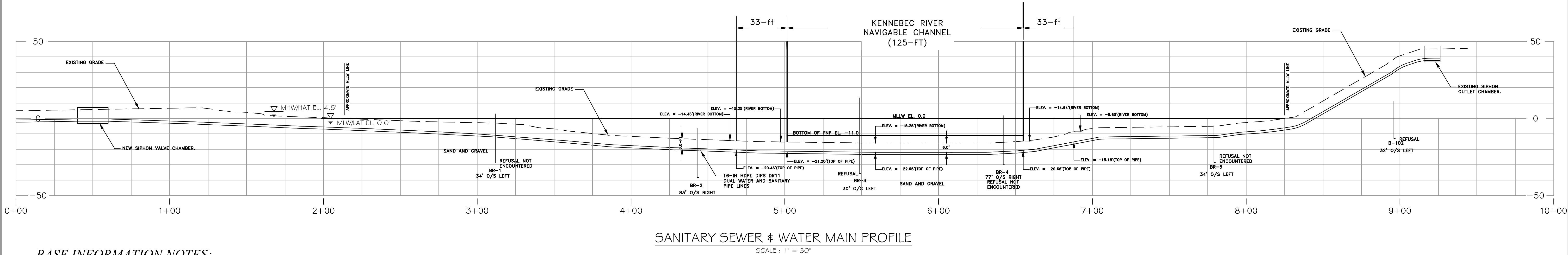
SANITARY SEWER SIPHON
KENNEBEC RIVER

GREATER AUGUSTA UTILITY DISTRICT
12 Williams Street
Augusta, Me 04330



- NOTES:
1. NO STOCKPILING OF TRENCH MATERIALS ON RIVER BOTTOM BETWEEN SEASONAL HIGH AND LOW TIDE.
 2. SILT FENCE AND HAY BAILS SHALL BE MAINTAINED AND INSPECTED BEFORE AND AFTER RAIN EVENTS.
 3. CONTRACTOR SHALL SECURE MATERIALS, TRENCH SPOILS AND BACKFILL MATERIAL OUTSIDE OF ANTICIPATED FLOOD LEVELS.
 4. ROCKS AND BOULDERS OVER 6" IN DIAMETER SHALL NOT BE USED AS BACKFILL DIRECTLY AROUND THE PIPE.
 5. TEMPORARY TIMBER PILES MAY BE USED TO PLACE PIPELINES, AND REMOVED FOLLOWING TRENCH BACKFILLING. SPACING AND PLACEMENT DETERMINED BY THE CONTRACTOR. PILES SHALL BE OUTSIDE NAVIGATION CHANNEL LIMITS AND PROPERLY MARKED AND LIGHTED PER USCG REQUIREMENTS.

FOR PERMITTING

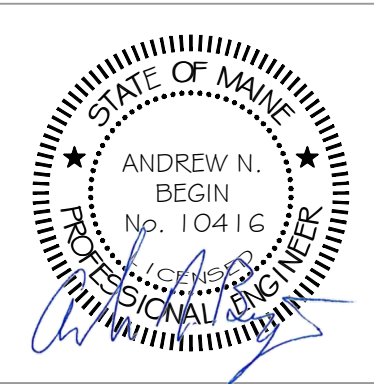


BASE INFORMATION NOTES:

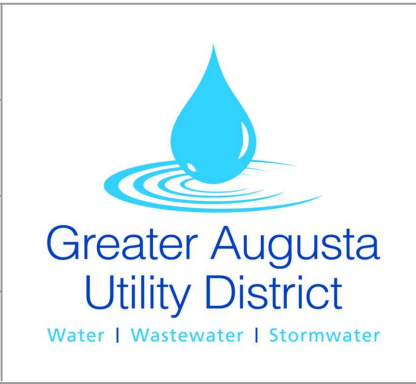
ES COFFIN PROVIDED LAND SURVEY IN 2017 TO ESTABLISH TOPOGRAPHIC SURVEY AND GEOLOGIC FEATURES ON LAND. THIS WAS USED AS A DATUM REFERENCE TO THE HYDROGRAPHIC SURVEY. Elevations are shown to the nearest one-foot contour interval, NAVD 1988, derived from NG5 benchmark "B 53 RESET 1949" located at the Old Flat Iron building. Directions are Gnd North, Maine Coordinate System of 1983 West Zone, derived from MDOT control points 1849-21 and 1849-22.

HYDROGRAPHIC SURVEY BY STEELE ASSOCIATES, PERFORMED ON DECEMBER 10, 2019. MULTIBEAM BATHYMETRIC DATA WAS COLLECTED USING SURVEY VESSEL HOLT M., A NORBIT iWBMS 400KHZ SONAR, AN APPLANIX RTK GPS POSITIONING SYSTEM WITH INTEGRATED IMU, AML SVP, WITH SMARTNET GPS CORRECTIONS, AND HYPACK 2015 FOR DATA ACQUISITION AND PROCESSING.

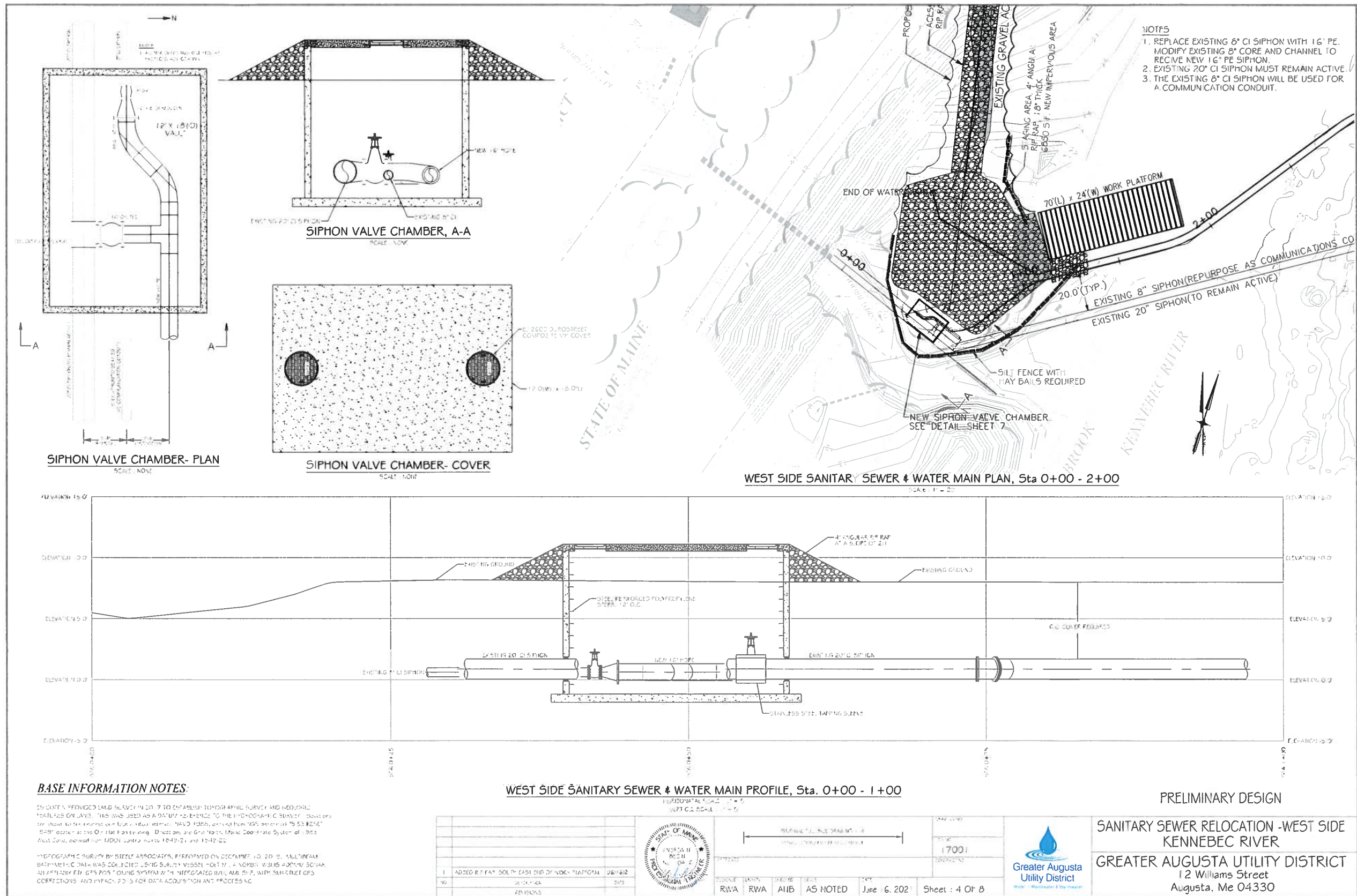
3	REVISED RIPRAP TO MLW EL.0	7/11/21
2	REVISED FEDERAL NAVIGATION CHANNEL.	6/15/21
1	ADDED TIMBER PILES	5/20/21
NO	DESCRIPTION	DATE
	REVISIONS	



APPROVED					DRAWING NO.	
DESIGNED RWA					JOB NO.	
DRAWN RWA					17001	
CHECKED ANB					CONTRACT NO.	
SCALE AS NOTED					Sheet : 3 OF 8	
DATE June 15, 2021						



SANITARY SEWER RELOCATION - PLAN/PROFILE
KENNEBEC RIVER
GREATER AUGUSTA UTILITY DISTRICT
12 Williams Street
Augusta, Me 04330

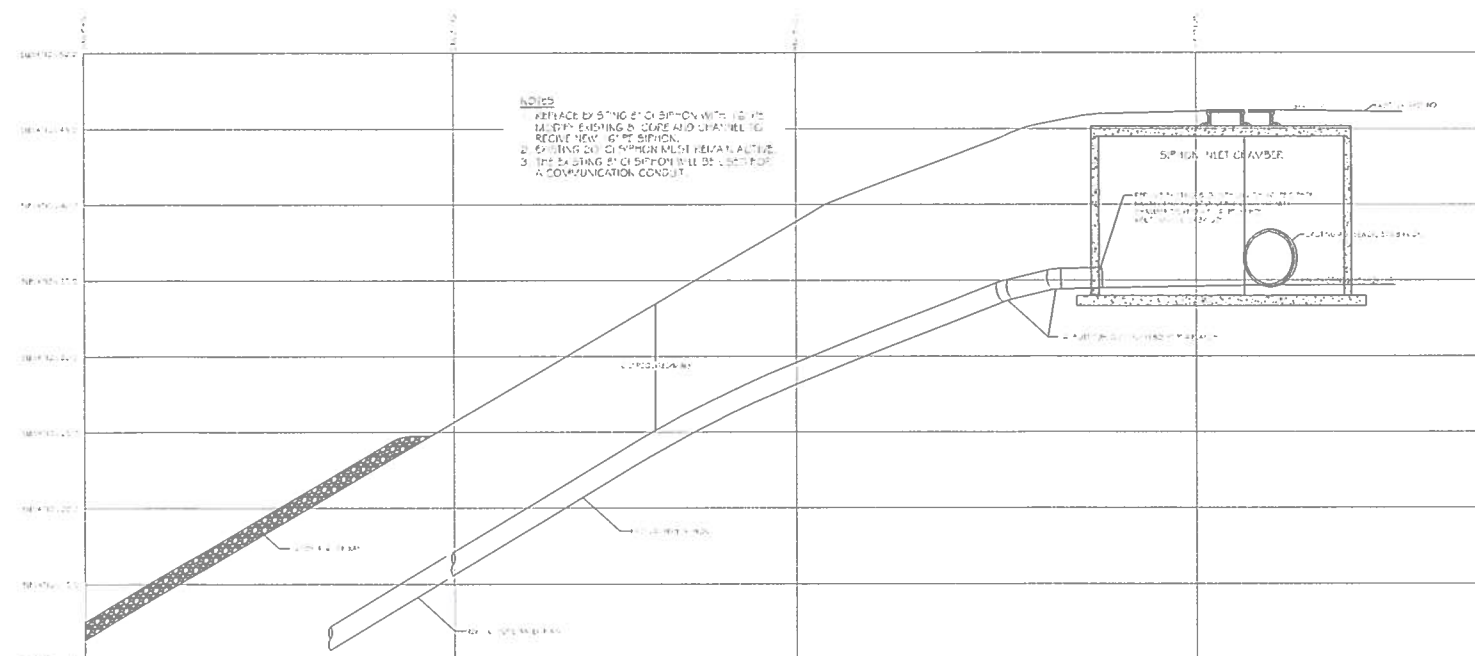
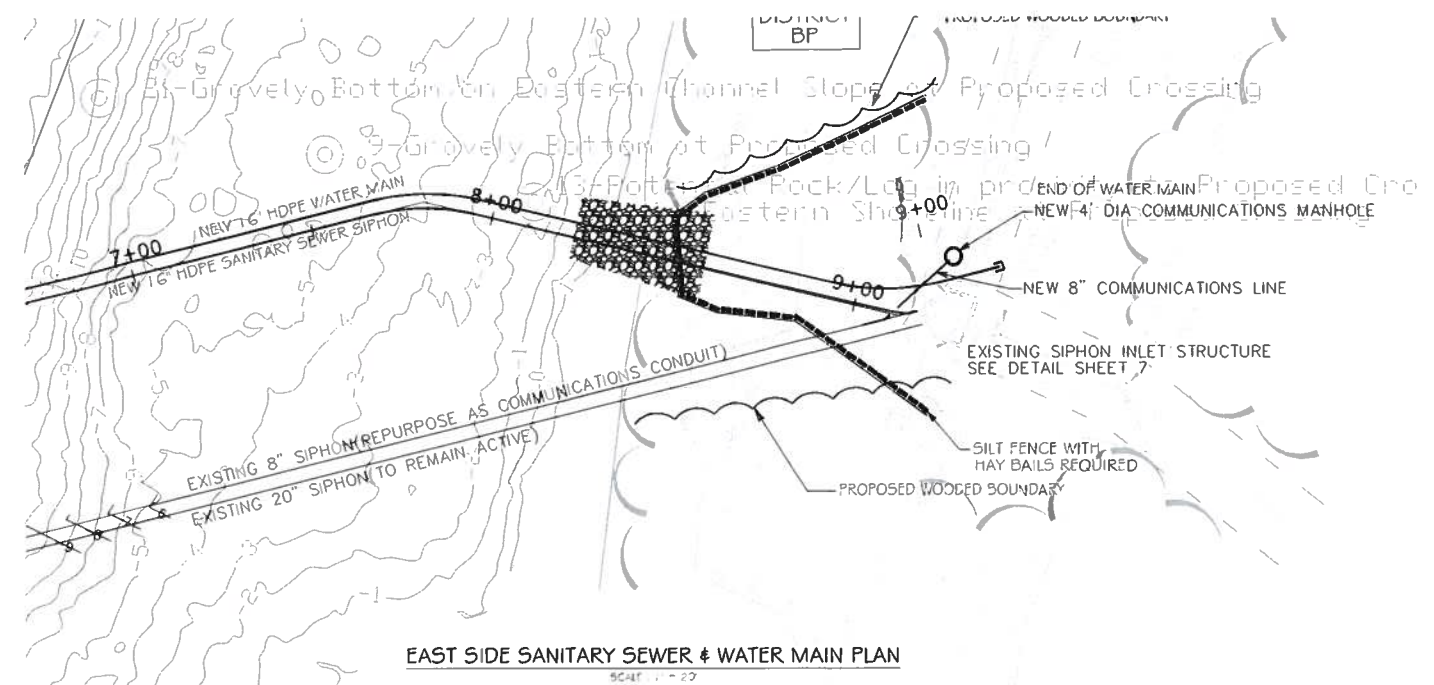




BASE INFORMATION NOTES:

25. DONT HYDROGRAPHIC SURVEY 1950. TO ESTABLISH HYDROGRAPHIC SURVEY AND GEOLOGIC
FEATURES ON LAND. THIS WAS USED AS A CATCHY REFERENCE TO THE HYDROGRAPHIC SURVEY. Elevations
are shown to the nearest one-foot contour interval. NAVD 1988 derived from NGS permanent 1953 BF51
9451 station, the Official Horizontal Control Point on the New North Maine Coordinate System of 1983
New Zone, derived from MDOOT control points 1949 P2 and 1949 P3

HYDROGRAPHIC SURVEY BY STEEL ASSOCIATES, INC. ON AND ON DECEMBER 10, 2009. MULTIBEAM BATHYMETRIC DATA WAS COLLECTED USING SURVEY VESSEL "CALVIN", A GULF WORK BOAT. SURFACE AND BOTTOM CHARTING SYSTEM "V" INTEGRATED WITH AAL SWP WITH SHARPLEY'S COORDINATES AND EPOCH 2015 FOR DATA ACQUISITION AND PROCESSING.



EAST SIDE SANITARY SEWER & WATER MAIN PROFILE

VERTICAL SCALE: 1" = 5'

1	ADDED FIREARMS BLOT STAS-28 06-60	251/62	
NO	DIOR, CA		DATE
	REVISED		



	500mm x 500mm 100mm x 100mm				Scale: 1:100 1700
	500mm x 500mm 100mm x 100mm				1700
RWA RWA ANB AS NOTED JUNE 16, 2021	Sheet : 5 Of 8				



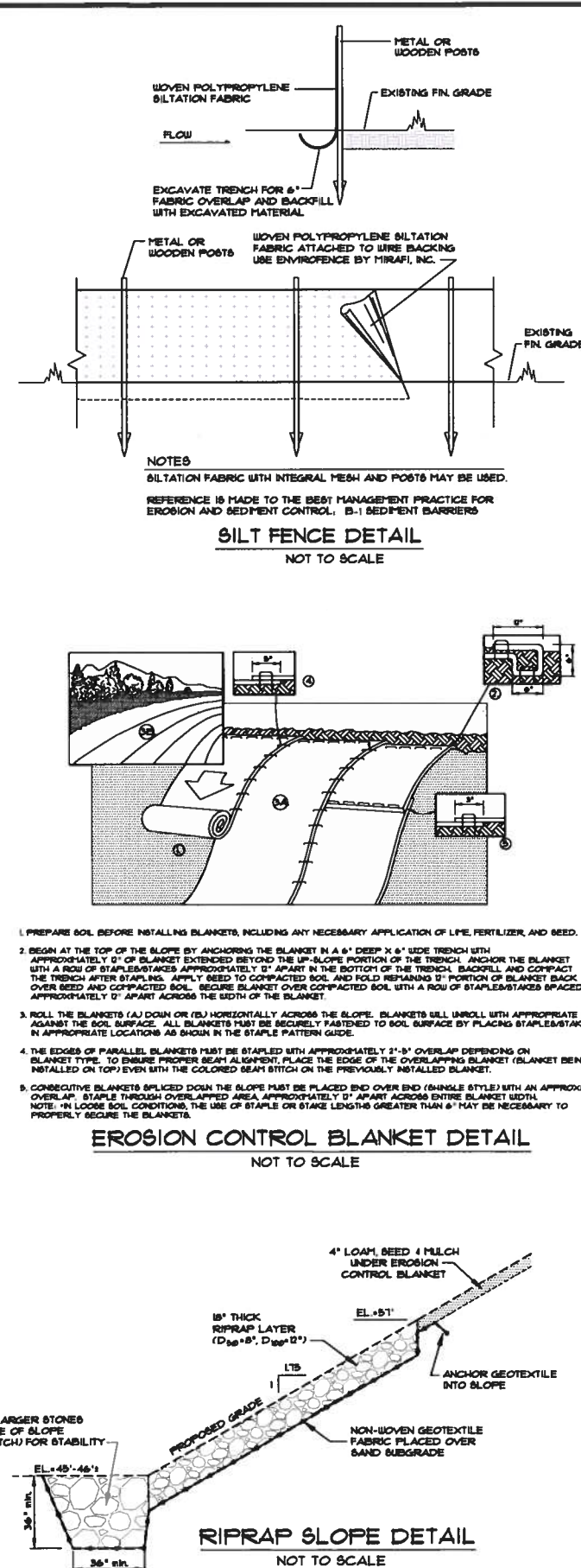
PRELIMINARY DESIGN

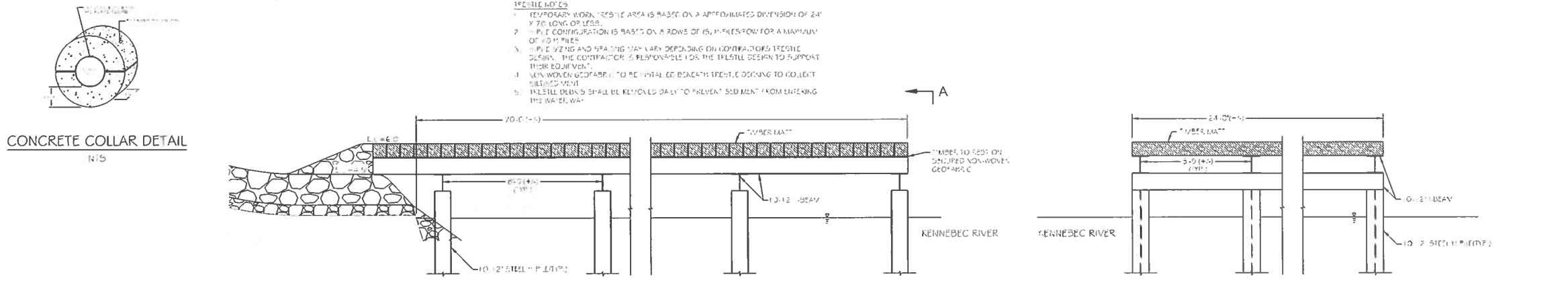
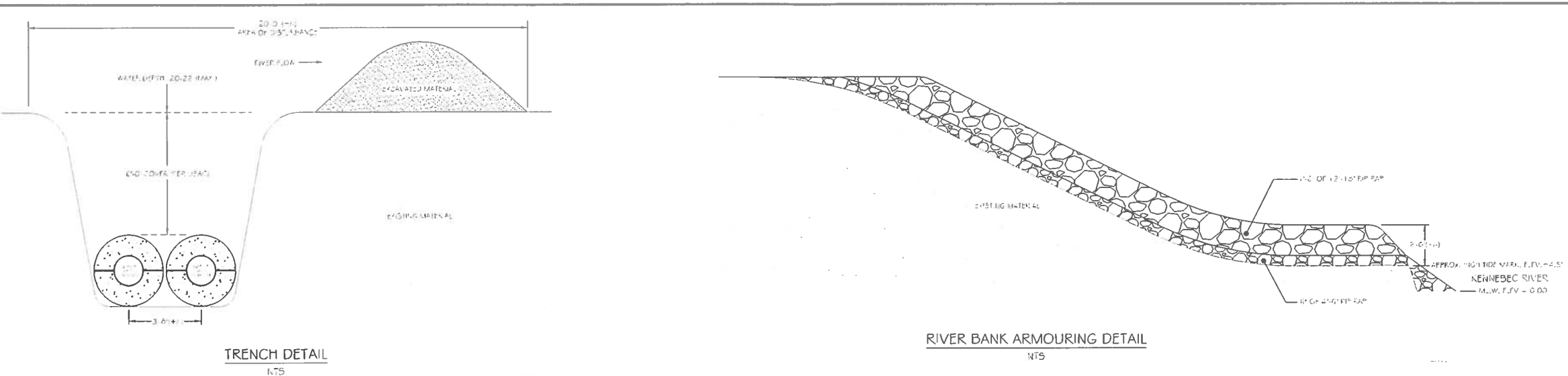
SANITARY SEWER RELOCATION -EAST SIDE
KENNEBEC RIVER

GREATER AUGUSTA UTILITY DISTRICT
12 Williams Street
Augusta, Me 04330

Greater Augusta Utility District
Augusta, Maine

NAE-2016-02286 sheet 5 of 8 "06/16/2021"



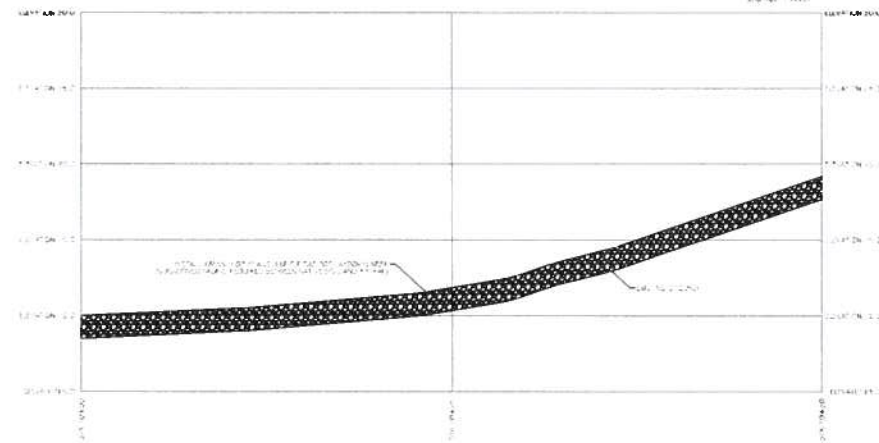


- NOTES**
- EXCAVATED RIVER MATERIAL SHALL NOT BE STOCKPILED/DEPOSITED IN THE RIVER BETWEEN SEASONAL HIGH AND LOW TIDE ELEVATIONS.
 - ROCK AND BOULDERS SHALL NOT BE USED AS BACKFILL WITHIN 5' OF THE PILE.
 - BOULDERS MEASURING GREATER THAN 2 FEET IN DIAMETER ARE NOT PERMITTED AS TRENCH BACKFILL.
 - CONCRETE COLLAR SPACING IS EVERY 15' ON EACH PILE LINE.
 - COLLAR DESIGN IS BASED ON 89 LBS OF UPLIFT FORCE WITH AIR IN THE PIPE. COLLARS ARE APPROXIMATELY 1175 LBS EACH TO DETERMINE SPACING REQUIREMENTS. ALTERNATIVE ANCHORING METHODS MAY BE CONSIDERED WITH OWNER'S APPROVAL.

- TRESTLE NOTES**
- TEMPORARY WORK TRESTLE AREA IS BASED ON A APPROXIMATED DIMENSION OF 24' X 70' LONG OF LESS.
 - PILE CONFIGURATION IS BASED ON A ROWS OF 6, PILES ROW FOR A MAXIMUM OF 40 PILES.
 - PILE SIZING AND SPACING MAY VARY DEPENDING ON CONDITIONS TRESTLE DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR THE TRESTLE DESIGN TO SUPPORT THEIR EQUIPMENT.
 - NON-WOVEN GEOTEXTILE TO BE INSTALLED BECAUSE TRESTLE DESIGN TO COLLECT SILLING WENT.
 - TRESTLE DECKS SHALL BE REMOVED DAILY TO PREVENT SEDIMENT FROM ENTERING THE WATERWAY.

PRELIMINARY DESIGN

		ORIGINAL FULL SIZE DRAWING = 4" X 20" (NOT TO SCALE) SCALE: 1" = 10'	PROJECT NO: 17001 DATE: 06/16/2021		KENNEBEC RIVER UTILITY CROSSING DETAILS GREATER AUGUSTA UTILITY DISTRICT 12 Williams Street Augusta, Me 04330
SHEET NO: 7 OF 8 DATE: 06/16/2021	DESIGNED BY: RWA CHECKED BY: RWA APPROVED BY: ANB	AS NOTED	JUNE 16, 2021	SHEET : 7 OF 8	



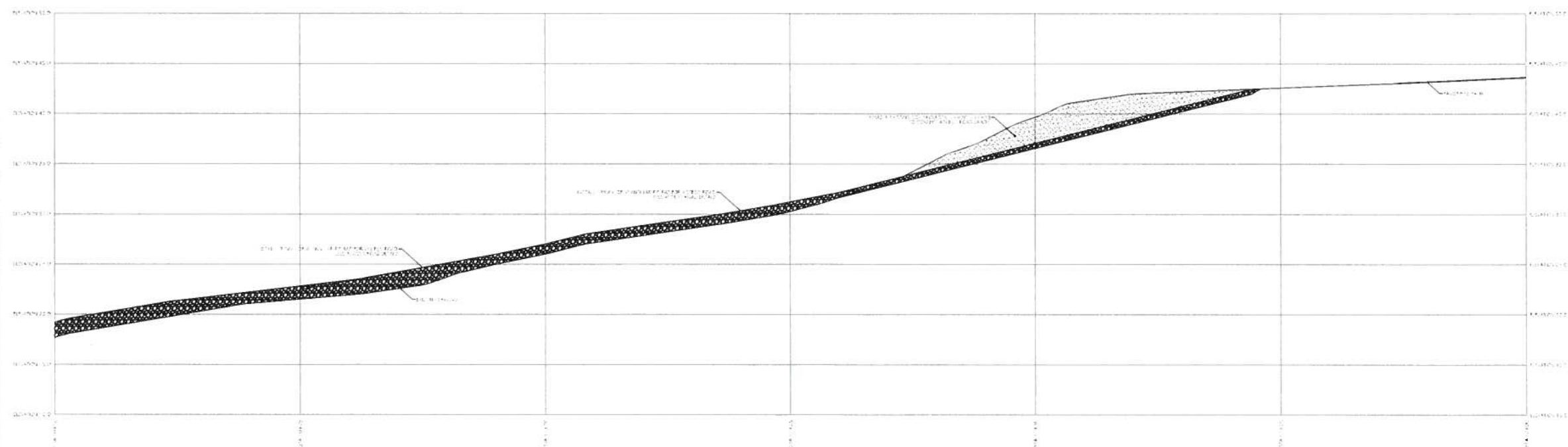
NOTES

1. SIDE SLOPES OF ACCESS ROAD SHALL BE GRADED AT A 1:1 SLOPE AND STABILIZED WITH 4' ANGULAR RIPRAP 6" IN THICKNESS.

PLAN - WEST SIDE ACCESS ROAD

NOTES

1. SIDE CLOPES OF ACCESS ROAD SHALL BE GRADED AT A 1:1 SLOPE AND STABILIZED WITH 4' ANGULAR RIP RAP 6" IN THICKNESS.



BASE INFORMATION NOTES:

32. CONDUCTED BY THE BUREAU OF ECONOMIC SUBJECTS AND ECONOMIC
FEASIBILITY DIVISION. THIS WAS USED AS A DATA REFERENCE TO THE PRODUCTION CAPACITY. FIGURES
ARE IN TONS PER YEAR FOR ONE YEAR COMMENCING IN 1963. DERIVED FROM 100 PERCENT "A-B-R-S-E"
EARTH COVERED BY THE FIRST HIGHWAY. DETERMINED BY THE NATIONAL AERIAL PHOTOGRAPHIC SYSTEM OF 383
MILES PER HOUR. COAST GUARD CENTER CODE 1449 2, JAN 1942 22.

HYDROGRAPHIC SURVEY BY STEEL ASSOCIATES PERFORMED ON DECEMBER 10, 2009. MULTIBEAM BATHYMETRIC DATA WAS COLLECTED USING SURVEY VESSEL "OCEAN MARLIN" WITH A NOPTIC WENDS 4000XT SONAR. HYPERLIDAR PROFILES USING SONIC SYSTEM WITH INTERFERED IVI, ANAL SWP. WITH SMARTNET 2.5 CONNECTIONS. AND EPOCH 2.15 FOR DATA ACQUISITION AND PROCESSING.

1	ACCORD FARM ROAD TO SOUTH EAST END OF WORK PLATFORM		US\$1000
20	2017-18-18		DATE



						SCALE: AS SHOWN DIMENSION: 1700
DATE: JUNE 16, 2021						SHEET: 8 OF 9



PRELIMINARY DESIGN

SANITARY SEWER RELOCATION -WEST SIDE
ACCESS ROAD
GREATER AUGUSTA UTILITY DISTRICT
12 Williams Street
Augusta, Me 04330