City of Biddeford
Finance Committee
April 16, 2024 5:30 PM Council Chambers & Zoom

Please click this URL to join.
https://biddeford.zoom.us/j/99000355305?pwd=VHZPYnVsNVN5VndmOUFibS9TS3hQUT09
Passcode: 492427
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+13126266799,,99000355305# US (Chicago)
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Status:

1. **Call to order**
2. **Approval of the Minutes**
   - 2.1. Approval minutes 1-16-24
     Finance_Minutes_1-16-24
   - 2.2. Approve Minutes 4-2-24
     Finance minutes 4-2-24
3. **Signing of the expenditure warrant**
4. **Discussion/Approval**
   - 4.1. Approval/CSO Projects Engineering Services RFP
     2024-04-16_CSO Projects Engineering Services RFP - Finance Brief
     1 - RFP
     2 - BH2M Submittal
     3 - Latest DRAFT CSO Master Plan
   - 4.2. Approval/Purchase of three 2024 law enforcement Dodge Durango Pursuit vehicles
     2024 Police Department Cruiser BRIEF - Finance
     PD vehicle mileage
     Two dealer bids Quirk Motors Marc Motors
5. **Other Business**
6. **Adjournment**

City of Biddeford

Finance Committee

January 16, 2024 5:00 pm

Council Chambers & Zoom

Mayor Grohman - present

Chairman LaFountain - present

Councilor Lessard - excused

Councilor Beaupre – present

1. Call to Order
2. Approval of Minutes
3. Signing of the Expenditure Warrant
4. Discussion/Approval

4.1 Approval/Purchase EV Pick Up for Recreation Department

Motion: Mayor Grohman
Second: Councilor Beaupre
City Manager Jim Bennett this is within the allocated amount. Final price is $38,184 with rebate.
Mayor Grohman – approved for the rebate. Approved at the dealer.
Vote: Unanimous in favor.
Motion passed.

4.2 Approval/Purchase Pick-up for Police Animal Control

Motion: Councilor Beaupre
Second: Mayor Grohman
Vote: Unanimous in favor.
Motion passed.

4.3 Approval/Purchase Pick-up for Police Parking Control

Motion: Councilor Beaupre

Second: Mayor Grohman

Vote: Unanimous in favor.

Motion passed.

Motion to adjourn at 5:15 by Councilor Beaupre
Second: Mayor Grohman
Vote: Unanimous in favor.
Motion passed.

City of Biddeford
Finance Committee
April 2, 2024 5:30 PM Council Chambers & Zoom

Councilor Beaupre, Councilor Lessard, Councilor LaFountain and Mayor Grohman all present

1. Call to order

2. Approval of the Minutes 3-19-24

Motion: Mayor Grohman

Second: Councilor Lessard

Vote: Unanimous in favor.

Motion passed.

3. Signing of the expenditure warrant

4. 1 Approval/Authorize Public Works Project Pearl Point Park Walking Path to Upper Saco Falls Way

Motion: Mayor Grohman

Second: Councilor Lessard.

Public Works Director Jeff Demers described the project, the walking path will be wide enough to keep it plowed, they will put solar lights for now but prep it for electrical in the future.

City Manager Jim Bennett explained that the original plan was to fund this with community development funds but there is an account dedicated for sidewalks that could be used. He also explained that the JDA called for the developer to build a river walk consistent with the design and the City to connect to it on our side.

Councilor Lessard had questions on the design.

Mayor Grohman – motion to use the account 22004-40801-220 to fund this item.

Second – Councilor LaFountain.

Vote: 3 yeas – Mayor Grohman, Councilor LaFountain and Councilor Beaupre

1 nay – Councilor Lessard.

Motion passed.

4.2 Approval/Authorization of Trucking Excess Soils Pearl Street/Compost and Wood Waste Pads

Motion: Mayor Grohman

Second: Councilor Lessard

Public Works Director Demers described the project, the number of truck loads to move the compost piles and the long term benefits to the City's composting program.

Vote: Unanimous in favor.

Motion passed.

4.3 Approval/DPW Front Door Replacement

Motion: Mayor Grohman

Second: Councilor Lessard

PW Director Demers – this will replace an old door and also allow for ADA accessibility.

Vote: Unanimous in favor.

Motion passed.

4.4 Approval/DPW Tile Floor Replacement

Motion: Mayor Grohman

Second: Councilor Lessard.

Vote: Unanimous in favor.

Motion passed.

Mayor Grohman Motion to adjourn at 5:59 pm

Second: Councilor Lessard

Vote: Unanimous in favor.

Meeting adjourned.

Finance Committee

Meeting Date: April 16th, 2024
Meeting Time: 5:30 PM

Agenda Item No: 4.1
Item Description: Approval/CSO Projects Engineering Services RFP

Submitted by: Craig Chekan, PE (City Engineer)
Jeff Demers (Public Works Director)
Tom Milligan, PE (City Engineer Emeritus)

Supporting Information/Documentation:

1. Request for Proposal (RFP)
2. BH2M Submittal
3. Latest DRAFT CSO Master Plan

Executive Summary:

City Staff is actively working with DEP on finalizing a combined sewer overflow (CSO) master plan, outlining specific sewer separation projects that need to be completed over the next ten years (otherwise known as a 'consent agreement').

Due to their size and complexity, three sewer separation projects identified within the next three years require private consulting design.

City Staff prepared a formal request for proposals (RFP) for the survey, design, and construction administration of these three projects. Six consulting firms submitted proposals. Staff is recommending awarding the contract work to BH2M, the 'lowest-fee' consultant.

Detailed Review:

Per the City's upcoming DEP consent agreement, the following three projects were identified as high-priority within the next '5-year period':

1. Elm Street & Hooper Street (Saco River to Cutts Street)
2. Alfred Street Phase 3 (Summer Street to Porter Street)
3. Washington Street & Main Street

Project #1 (Elm Street) is top-priority and slated for construction in 2025 (in order to complete required sewer separation *before* DOT's Route 1 Corridor Enhancements commence).

This RFP includes all survey, design, and construction administration for these three projects; note:

- Scope Item #3G includes an optional detailed sidewalk & accessible ramp design for Project #3 (Washington Street, Franklin Street, and segments of Jefferson Street & Adams Street).
- The consultant's proposals do not include subcontractor hard-costs for test pits/ledge probes that will be required during design (amount TBD but estimated as $200k for the three projects).

No grant funding has been awarded for the construction of these three projects yet. City Staff submitted another round of annual CWSRF grant applications on April 8th, 2024 for Projects #1 & 2. Should CWSRF funding be awarded by DEP, legal and Maine Municipal Bond Bank (MMBB) bond fees will ensue.

Six consulting firms submitted proposals:

CONSULTING FIRM	PROPOSED FEE
BH2M	$275,000
New England Consulting Engineers	$349,050
Wright-Pierce	$527,000
Sebago Technics	$623,344
Weston & Sampson	$1,035,894
Kleinfelder	$1,368,715

Staff Recommendation:

Staff recommends accepting BH2M's lowest-fee proposal and including a 20% contingency plus a hard-cost allowance for test pits/ledge probes:

ITEM	COST
BH2M	$275,000
20% Contingency	$55,000
Subcontractor Costs for Test Pits/Ledge Probes	$200,000
3-YEAR TOTAL	$530,000

Staff met with BH2M on April 10th, confirming the 'scope and fee' listed in this RFP and to discuss 'lessons learned' from BH2M's active sewer separation project on Alfred Street. While these three projects will have their technical complexities, both parties are confident in their successful completion.

Funding Source:

Over the next three years, funding for this $530,000 will be drawn from the City's authorized $10MM CSO bond:

- Organization Code: 23CSO01
- Account Balance: $5MM

City of Biddeford, Maine
Public Works Department
371 Hill Street Biddeford, Maine 04005
Phone: (207) 282-1579 Fax: (207) 286-9395

CITY OF BIDDEFORD

REQUEST FOR PROPOSALS

ENGINEERING CONSULTING SERVICES FOR COMBINED SEWER SEPARATION PROJECTS

1. Introduction

a. Per an upcoming consent agreement with MaineDEP, the City of Biddeford is seeking proposals from qualified firms to provide consulting engineering services for the survey, design, & construction administration of three combined sewer separation projects.

2. Project Background & Description

a. The City's new consent agreement with MaineDEP will outline specific sewer separation and storm capacity upgrade projects over the next ten years. For this RFP, three projects have been identified for private consulting that need to be completed sequentially (1 project per year) to maintain the City's overall consent agreement schedule.

b. Attached are conceptual layouts of the three proposed projects; final pipe routings may deviate once formal survey work is completed. Brief project descriptions are listed below:

i. Project #1: Elm Street & Hooper Street

1) Additional storm capacity is required in the existing ±24" storm drain within Elm Street, especially for future upstream sewer separation work.
2) This project is anticipated to replace the existing ±24" storm drain with a 42" pipe (or larger if possible) from Cutts Street to the existing storm outfall into the Saco River (±1,800-LF). All catch basins within this section of Elm Street are assumed to be 'separated'; however, once the survey is complete – the consultant should confirm and propose any additional catch basin separation required. Constructability/phasing may warrant a new storm main if underground space is available.
3) The existing 24" storm outfall into the Saco River is within the DOT bridge concrete abutment. Upsizing this existing embedded outfall pipe may not be feasible. The consultant should strategize various outfall upgrade options; DOT owns the small surface lot between the bridge and Upper Falls Road which could potentially be used for a relocated outfall position (but will require additional permitting). Dialogue with DOT/DEP/USACE should commence very early in the design process.
4) A handful of existing catch basins on Hooper Street requiring separation are included in this project (±300-LF).
5) This project's completion is top-priority and needs to be completed prior to DOT's Route 1 Master Plan surface upgrades (WIN#25653.00).
6) No full-sidewalk and ramp design is anticipated for this project; a sidewalk/ramp design only needs to be shown for segments that will be impacted during construction.

ii. Project #2: Alfred Street Phase 3 (Summer to Porter)

1) This project will be continuing the Alfred Street sewer separation work currently being constructed downstream of Summer Street (Phase 1 & 2); designed by BH2M and constructed by D&C Construction.
2) New storm drain and separated catch basins will be installed within Porter Street, the Biddeford Fire Department property, Birch Street, and Mt Vernon Street, and tied-into a new drainage manhole (DMH-19) being installed at the Alfred-Summer Street intersection.
3) No full-sidewalk and ramp design is anticipated for this project; a sidewalk/ramp design only needs to be shown for segments that will be impacted during construction.

iii. Project #3: Washington Street & Main Street

1) This will be a major sewer separation project in the downtown area that will separate Adams Street, Jefferson Street, Washington Street, Franklin Street, and a section of Main Street.
2) The proposed storm drain will tie-into the separated storm infrastructure currently being installed at the Alfred-Main Street intersection during the Phase 1 & 2 Alfred Street Project.
3) A full-sidewalk/accessible ramp analysis & design will be required for this project as an optional scope-of-service line item (see item #3g below). No sidewalk replacement design is anticipated along Main Street. Existing curbs, sidewalks, and accessible ramps will need to be analyzed to confirm individual segments that are acceptable, require resetting, or require replacement. All time & effort for this sidewalk's analysis, replacement layout, and fine grading should be listed under item #3g. If this optional line item is selected, fine-detail layout and grading plans will be required during Design Development & Construction Documents.

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371 Hill Street Biddeford, Maine 04005
Phone: (207) 282-1579 Fax: (207) 286-9395

3. **Scope of Services** (see attached drawing checklist for specific submittal requirements)
   a. Survey & Existing Conditions Plan
      i. Detailed/thorough topographic & utility survey drawings will be required for each project, documenting above-ground site features and all underground utilities.
      ii. Once complete and submitted to the City, the City will review and provide feedback on required revisions
   b. Concept Design Drawing (10%)
      i. Once the survey work is deemed complete, a comprehensive two-dimensional concept drawing shall be submitted – clearly identifying the overall project scope (pipe routings, pipe sizes, new structures, etc.).
      ii. Assume one round of review & revisions.
   c. Subsurface Ledge Probes & Test Pit Coordination
      i. Once a concept design has been vetted with the City, the consultant shall prepare an exhibit documenting:
         1) The number & location of subsurface ledge probes required to accurately gauge the depth of ledge that will be encountered during construction
         2) The number & location of test pits required for any expected utility crossing conflict. Iterative rounds of test pits should be avoided.
      ii. The consultant will be responsible for all ledge probe/test pit coordination; results should be summarized accordingly on the construction documents.
      iii. Costs for third-party drillers/excavators can be invoiced to the City directly; consultant should receive quotes from a minimum of two (2) subcontractors prior to commencement.
   d. Schematic Design Drawings (30%)
      i. Once test pits and ledge probes have been completed, the Consultant should begin formalizing the vetted concept plan.
      ii. Once a schematic design package is deemed complete, the City will review and provide feedback. Revisions can be addressed during the Design Development Phase.
   e. Design Development Drawings (75%)
      i. Once a design development package is deemed complete, the City will review and provide feedback.
      ii. Major revisions shall be made prior to commencing to the Construction Document phase; minor revisions can be addressed during the Construction Document phase.
   f. Construction Documents (100%)
      i. Final Drawings
      ii. Detailed Project Specifications
         1) Assume one round of City Review (primarily on front-end specs); any major specification questions should be resolved with the City prior to the 'Construction Document' submittal
         2) Specifications should be prepared in accordance with all CWSRF/Davis-Bacon requirements, in case future grant funding is awarded.
         3) Specifications should include strict as-built requirements
      iii. Unit Cost Estimate (including ledge quantity estimates)
   g. Project #3 – Detailed Sidewalk & Accessible Ramp Design (Optional Add-On Line Item)
      i. As noted in #2biii3 above, Project #3 may require a formal analysis and redesign of the existing sidewalks/accessible ramps (except for Main Street).
      ii. If accepted, the consultant shall clearly document what individual segments of existing curb, sidewalk, and accessible ramps require resetting or replacement
      iii. Fine detailed grading plans will be required for all sidewalk & accessible ramp work confirming ADA compliance (i.e. spot elevations, slope arrows)
   h. Meetings & Coordination
      i. Assume a minimum of one (1) monthly meeting during the design phase with City Staff
      ii. Assume an individual meeting with City Staff after each submittal outlined in the scope-of-services
      iii. Consultant responsible for coordination with individual utility companies for any relocations required (MWC, Unitil, CMP, telecom)
      iv. This line item shall include any expected mileage/travel expenses.

i. Permitting
   i. Consultant responsible for all permit coordination, applications, and approvals
   ii. For Project #1, the existing 24" storm outfall into the Saco River is within the Elm Street bridge abutment. Consultant should outline expected DOT/DEP/USACE/SRCC permits required for a modified/relocated storm outfall. A local shoreland zone permit will likely be required adjacent to the Saco River.
   iii. No major permits are expected with Projects #2 & #3; consultant should confirm their understanding in their proposal
j. Bid Assistance
   i. Consultant will be responsible for project advertisement (including in the local newspaper), bid correspondence (answering questions/issuing addenda), scheduling any pre-bid meetings, and facilitating the bid opening
   ii. Post-bid opening: the consultant shall review the submitted bids, prepare a bid summary sheet, and provide a brief memo outlining their awarded bid recommendation for Council Approval
k. Construction Administration
   i. Consultant will schedule and facilitate the pre-construction meeting with City Staff and other stakeholders.
   ii. Consultant will be responsible for reviewing all submittals, shop drawings, and RFIs throughout construction – and providing necessary responses/revisions; the Consultant may be required to make occasional on-site visits based on RFIs received.
   iii. City Staff will perform daily on-site construction oversight and weekly takeoffs to facilitate monthly requisitions.
   iv. City Staff will lead the monthly requisition process but may require some Consultant's assistance (especially if CWSRF funding is awarded; see section 'I' below).
l. Grant Coordination (Optional Add-On Line Item)
   i. These three projects do not currently have any local, state, or federal grant monies assigned to them; however, this may change based on annual grant applications. Grant funding is likely anticipated for one or more of the projects (primarily CWSRF, but potentially EDA/CDBG)
   ii. The consultant should list an optional line item for each project, to manage and officiate future grant coordination obligations (including all documentation, Davis-Bacon interviews, and requisition requirements).

4. Project Schedule

a. Project #1: Elm Street & Hooper Street
   i. Survey: Spring 2024 – Early Summer 2024
   ii. Design: Summer 2024 – Fall 2024
   iii. Bid Advertisement: Early Winter 2024
   iv. Construction: Spring 2025 – Summer 2025
b. Project #2: Alfred Street Phase 3 (Summer to Porter)
   i. Survey: Spring 2025
   ii. Design: Summer 2025 – Fall 2025
   iii. Bid Advertisement: End of Fall 2025
   iv. Construction: Spring 2026 – Summer 2026
c. Project #3: Washington Street & Main Street
   i. Survey: Spring 2026
   ii. Design: Summer 2026 – Fall 2026
   iii. Bid Advertisement: End of Fall 2026
   iv. Construction: Spring 2027 – Summer 2027

5. Submittal Requirements

a. Proposal Narrative
   i. *Concise* outline of project understanding and scope-of-services (consultant should limit extraneous information)
   ii. Approximate timeline; including individual submittal durations (start/end) and permit requirements
   iii. Qualifications
      1) Identifying key project personnel, related project experience, CWSRF experience, DOT/DEP/USACE permit experience, and confirmation of workload availability to meet the desired schedule
b. Lump-Sum Proposal Estimate
   i. Using the attached template

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6. **Clarifications**
   a. All three projects are expected to be awarded to one consultant; however, based on proposal results and potential outliers – the City reserves the right to delegate individual projects to different consultants based on their individual lump sum projects.
   b. The City's Wastewater Department will investigate the existing adjacent sewer mains to determine if they merit relining and will coordinate with contractors separate to this scope.

7. **Submittal Deadline**
   a. Upon their receipt, interested consulting firms should email Craig Chekan, craig.chekan@biddefordmaine.org, to be included on all RFP correspondence (i.e. addenda).
   b. Consultants shall digitally submit their proposal to craig.chekan@biddefordmaine.org by 4:00PM EST on April 1st, 2024.

8. **Selection Process**
   a. City Staff will review received proposals based on thoroughness, cost, and qualifications; reference requests may be required.
   b. After identifying a lead candidate, City Staff will present the selected consultant proposal(s) to the Finance Committee and City Council for their approval (expected to be on April 16th, 2024)

9. **Questions**
   a. Technical questions regarding this RFP should be directed to Craig Chekan, craig.chekan@biddefordmaine.org, no later than March 20th, 2024.
   b. Any changes or required clarifications shall be made by written addendum issued no later than March 26th, 2024.

Proposed Drain Manhole
Proposed Drain Pipe
Contour (5ft)
Manholes
Sewer or Combined
Storm
Unknown
Catch Basins
Combined
Separated
Unknown
"Realistic" Combined Catch Basin
Gravity Mains
Water Type
Sewer or Combined
Storm

EXISTING OUTFALL PIPE WITHIN BRIDGE'S CONCRETE ABUTMENT

D.O.T. LOT

Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Elm St. Capacity Upgrades, Hooper Separation

Biddeford, Maine

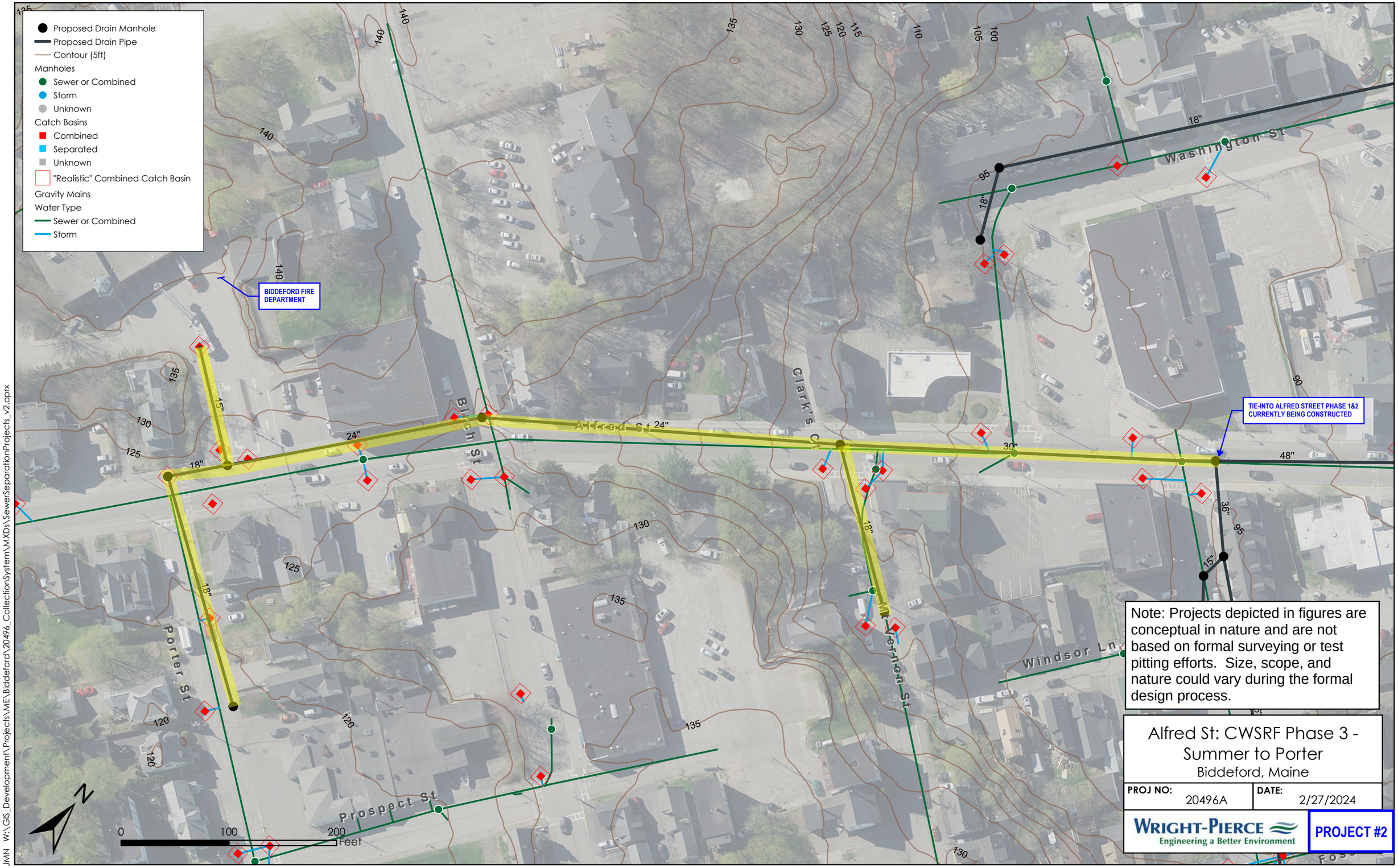
PROJ NO:	DATE:
20496A	2/27/2024

WRIGHT-PIERCE
Engineering a Better Environment

PROJECT #1

0 100 200 Feet

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx



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Alfred St: CWSRF Phase 3 - Summer to Porter
Biddeford, Maine

PROJ NO:	DATE:
20496A	2/27/2024

WRIGHT-PIERCE Engineering a Better Environment

PROJECT #2

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Proposed Drain Manhole
Proposed Drain Pipe
Contour (5ft)
Manholes
Sewer or Combined
Storm
Unknown
Catch Basins
Combined
Separated
Unknown
"Realistic" Combined Catch Basin
Gravity Mains
Water Type
Sewer or Combined
Storm

CAPTURE RECENTLY SEPARATED FLOW FROM ADAMS POINT HOUSING PROJECT (69 ADAMS POINT) VIA DMH1

TIE-INTO RE-LINED ±27" BRICK SEWER FROM ALFRED STREET PHASE 1&2 CURRENTLY BEING CONSTRUCTED

South St
Adams St
Jefferson St
Washington St
Federal St
Franklin St
Warren St
York St
Laconia St
Alfred St
Clark's Ct
Mt Vernon St
Windsor Ln
Summer St
Foss St
Pool St
King St
Bacon St
Emery St

0 100 200 Feet

Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Wash., Jeff., Adams, Frank. Separation
Biddeford, Maine

PROJ NO:	DATE:
20496A	2/27/2024

WRIGHT-PIERCE Engineering a Better Environment

PROJECT #3

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationPr

CITY OF BIDDEFORD - CSO DRAWING CHECKLIST

CHECKLIST DIRECTIONS:

1. Items in **BLACK** are required beginning with Schematic Design Drawings (30%)
2. Items in **GREEN** are required beginning with Design Development Drawings (75%)
3. Items in **BLUE** are required for Construction Drawings (100%)

SUBMITTAL CHECKLIST REQUIREMENTS		
ITEM NUMBER		**DESCRIPTION**
1		**GENERAL PLAN REQUIREMENTS**
	A	Drawing specific legends (linetypes, hatches, etc.)
	B	Individual drawing layer control should be utilized: freeze/thawing, changing lineweights, and screening
	C	North arrows, standard engineering scale viewports, dated revision clouds/blocks
	D	All drawings and surveys must be in the following coordinate systems: NAD83 Maine State Plane West (Horizontal) and NAVD88 (Vertical)
	E	Drawings need to be designed, signed & sealed by a Maine licensed professional engineer (PE)
2		**COVER SHEET**
	A	Project Name & Property Address
	B	Project Team Contact Information (Owner, Engineer, Contractor, etc.)
	C	Site Location Map
	D	Sheet Set List of Drawings
3		**EXISTING CONDITIONS PLAN**
	A	Horizontal & Vertical Datums annotated (NAD83 & NAVD88)
	B	Survey Benchmark Locations (with XYZ Coordinates annotated)
	C	Approximate Property & Right-of-Way Lines; surveyed boundary lines and metes/bounds needed for any encroachment onto private property
	D	Found property pin and monumentation locations
	E	Road Labels & Individual Lot Labels (Map, Lot, Owner)
	F	Saco River Mean High Water Line (MHW) & Elevation
	G	Existing contours with adequate contour labelling; minimum 1' contour interval
	H	Spot elevations for existing building corners, door/sill entrances, accessible ramps, back of sidewalks, road centerlines, and bottom/top of curbs
	I	Existing buildings, structures, & pavement areas
	J	Existing ADA ramp geometry, detectable warning plates, and ADA parking spaces
	K	Existing site features (sidewalks, retaining walls, curbing, lightpoles, guide rails, dumpsters, fencing, trees)
	L	Existing signage and striping
	M	Existing underground utility locations (storm, sewer, force main, water, gas, elec, tele)
	N	Existing above-ground utility locations (manholes, catch basins, utility poles, hydrants, valves, transformers, riprap)
	O	Rim, invert in, invert out, pipe size, cardinal direction (N, E, S, W) information for all existing storm & sewer infrastructure
	P	Location & results of any ledge probes and test pits
4		**SITE DEMOLITION & EROSION CONTROL (E&SC) PLAN**
	A	Callout existing site features to be demolished/removed/replaced
	B	Callout existing utilities to be demolished/relocated/removed/replaced/abandoned-in-place
	C	Inlet protection location(s)
	D	Note requiring contractor to implement dust control measures throughout construction & pave utility trenches within right-of-way within 3 days of excavation or prior to any rain event
5		**SITE PLAN**
	A	Partial Site Plans needed for any viewport scale greater than 1"=20'
	B	Proposed or replaced curbing, sidewalks, crosswalks
	C	Proposed or replaced signage, parking striping, and traffic striping
	D	Limits of trench paving; if excessive trenching proposed, full-road width paving should be shown
	E	Linear dimensions of all pavement, sidewalks, ADA ramp geometry
	F	Radial dimensions for all curbs & sidewalks
	G	Road centerline stationing shown, labelled every 0+50' with curve data
	H	Detailed ADA ramp geometry, detectable warning surfaces, and ADA parking striping/signage. Spot elevations should be provided for all accessible geometry points.
6		**GRADING PLAN (OPTIONAL ADD-ON FOR PROJECT #3)**
	A	Partial Grading Plans needed for any viewport greater than 1"=20'
	B	Existing contours with adequate contour labelling, screened; minimum 1' contour interval
	C	Proposed contours with adequate contour labelling; minimum 1' contour interval
	D	All proposed contours tie-into existing contours at limits-of-disturbance
	E	Existing spot elevations for all asphalt, curb, and sidewalk tie-in locations
	F	Proposed spot elevations for all curblines (bottom/top-of-curb) and sidewalks
	G	Proposed spot elevations for all building corners and door-entry locations
	H	Proposed spot elevations for all ADA ramp/landing geometry points
	I	Proposed % slope arrows for all sidewalks & ADA ramps
7		**UTILITY PLAN**
	A	Existing underground utility locations; screened (storm, sewer, force main, water, gas, electric, telecom)
	B	Existing above-ground utility locations; screened (manholes, catch basins, utility poles, hydrants, riprap)
	C	Site features shown that could conflict with proposed utilities (trees, signs, lightpoles, bollards, foundations, guiderails)
	D	Rim, invert in, invert out, pipe size, cardinal direction (N, E, S, W) information for any existing utility infrastructure being tied into (upstream/downstream/outfalls)
	E	Proposed underground utility locations; bold (storm, sewer, water, gas, conduit)
	F	Proposed above-ground utility locations; bold (manholes, catch basins, riprap)
	G	Storm/sewer structure labels must include: rim, inverts in, inverts out, pipe sizes, cardinal directions (N, E, S, W)
	H	Storm/sewer pipe labels must include: linear footage, pipe size, material, slope
	I	Flow directional arrows for storm & sewer pipes
	J	Proposed storm culverts, outfalls, and riprap locations and sizes
	K	All storm drains must be sized to convey the 25-year storm
8		**UTILITY PROFILES**
	A	Utility profiles required for **all** gravity storm drains/sewer pipes, including all laterals, catch basins, culverts, and outfalls;**profiles need to be aligned on the pipe centerline (not superimposed on the road centerline)**
	B	Storm/sewer structure labels must include: rim, inverts in, inverts out, pipe sizes, cardinal directions (N, E, S, W)
	C	Storm/sewer pipe labels must include: linear footage, pipe size, material, slope
	D	Existing and proposed gravity pipe crossings shown; sizes labelled and depths/clearance annotated
	E	Existing electric/water/telecom/gas crossings shown at approximate depths; sizes labelled and depths/clearance annotated
	F	Test pit result information
	G	Approximate ledge surface profile (based on ledge probe results)
	H	For storm outfalls, include riprap sizing and grading extents
	I	For all storm drains, 25-year HGL must be shown on profiles with starting tailwater condition identified
9		**DETAILS**
	A	Utility trench/backfill detail
	B	All site feature details; pavement sections, sawcut, curbing, sidewalks, crosswalks, ADA
	C	E&S notes and details; only show applicable/proposed measures
	D	Utility details; trench backfill, manholes, catch basins, outfalls, riprap, etc.
10		**CALCULATIONS/DOCUMENTS**
	A	25-year hydraulic calculations for all storm conveyance infrastructure; starting tailwater conditions/documentation must be clearly identified
	B	Unit cost estimate (including ledge)
	C	Summary list & copy of any required DOT/DEP/USACE/SRCC/Local permits & approvals

PROPOSAL FOR
CITY OF BIDDEFORD – REQUEST FOR PROPOSALS – ENGINEERING CONSULTING SERVICES FOR COMBINED SEWER SEPARATION PROJECTS

April 1, 2024

Berry Huff McDonald Milligan, Inc.
380B Main Street
Gorham, ME 04038

BH2M

Civil Engineering | Surveying

April 1, 2024

Craig Chekan – City Engineer
City of Biddeford
craig.chekan@biddefordmaine.org

Re: Proposal for City of Biddeford – Request For Proposals – Engineering Consulting Services For Combined Sewer Separation Projects

Dear Craig;

BH2M is pleased to present this proposal for existing conditions survey, design, permitting, bidding, and construction phase services for three sewer separation projects known as:

- Project #1 – Elm Street & Hooper Street
- Project #2 – Alfred Street Phase 3 (Summer to Porter)
- Project #3 – Washington Street & Main Street

This proposal is in response to the Request For Proposals (RFP) sent electronically to our office on March 4, 2024. We have thoroughly reviewed the RFP and offer the following understanding of the project, scope of services, approximate timeline, and qualifications for your consideration. We also acknowledge receiving and reviewing the following provided information:

- Email Correspondence from Craig Chekan on March 4, 2024;
- City of Biddeford – Request For Proposals – Engineering Combined Sewer Separation Projects;
- City of Biddeford CSO Projects – Engineering Consulting Services – Lump Sum Scope of Services Template;
- Project figures for Projects 1, 2, and 3 prepared by Wright Pierce;
- City of Biddeford – CSO Drawing Checklist;
- Email Correspondence from Craig Chekan on March 21, 2024;
- Biddeford CSO Projects Engineering Services RFP – Addendum #1

Enclosed for reference are the following supporting Exhibits:

- Exhibit 1 – Detailed Proposal Estimate
- Exhibit 2 – Schedule of Billing Rates

UNDERSTANDING OF THE PROJECT

We understand that the City of Biddeford is interested in soliciting a fee proposal for completing the survey, design, permitting, preparation of construction documents, and construction administration services for three sewer separation projects. The projects will generally consist of designing new and upsized storm drains and new connections to existing catch basins. The general project limits are depicted on the figures provided by the city and prepared by Wright Pierce and include Elm/Hooper Street (approximately 2,000 linear feet), Alfred Street from Summer Street to Porter Street (approximately 1,400 linear feet), and Washington/Main Street including sections of Franklin, Adams, and Jefferson Street (approximately 2,600 linear feet). The following is intended to provide a summary of scope of services, approximate project schedules, design team qualifications, and estimated project costs.

SCOPE OF SERVICES

We have reviewed the required Scope of Services provided by the City within the Request For Proposals. Below we have reiterated each scope task item, offered acknowledgment of the required scope outline, and offered assumptions for certain tasks where necessary.

a. Survey & Existing Conditions Plan

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

Task a. Assumptions: In addition to the existing condition survey that will need to be performed we have also included scope for providing a wetland delineation, natural resource report, and functional assessment for the Project #1 outfall design and permitting.

We have included a boundary and existing conditions plan survey for the ME DOT Lot located on the East side of Elm Street, Southeast corner of the bridge.

b. Concept Design Drawings (10%)

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

c. Subsurface Ledge Probes & Test Pit Coordination

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

d. Schematic Design Drawings (30%)

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

e. Design Development Drawings (75%)

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

f. Construction Documents (100%)

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

g. Project #3 – Detailed Sidewalk & Accessible Ramp Design (Optional Add-On Line Item)

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

h. Meetings & Coordination

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

i. Permitting

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

Task i. Assumptions: We understand that no major permitting effort is anticipated for Projects #2 and #3. For Project #1 we have assumed that a new outfall will be required. Permitting for this outfall will include applying for a Natural Resources Protection Act (NRPA) Permit from the Maine Department of Environmental Protection (MEDEP), a Maine General Permit from the U.S. Army Corps of Engineers (USACE), a Shoreland Zone Permit from the City of Biddeford, and a permit from the Saco River Corridor Commission (SRCC). We do not anticipate any formal permitting process with the Maine Department of Transportation (MEDOT). We anticipate coordinating designs with MEDOT and responding to comments and requests for information. Our scope for this task also includes attending a pre-application and pre-submission meeting with MEDEP, attending up to two meetings with SRCC, attending a pre-application meeting with City Planning Staff, and attending up to two meetings with the City of Biddeford Planning Board.

j. Bid Assistance

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

k. Construction Administration

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

l. Grant Coordination (Optional Add-On Line Item)

We have read the requested scope for this task and we are acknowledging the that we have included the requested scope with this proposal.

Task l. Assumptions: For each project we have assumed that the required effort will consist of 40 hours for a Senior Engineer (at a billing rate of $125/hour). We have included a budget cost of $5,000 for each project for this task.

PROJECT SCHEDULES

TABLE 1 - PROJECT #1 ANTICIPATED SCHEDULE		
	Start	**End**
Survey & Existing Conditions Plan	April 29, 2024	June 7, 2024
Concept Design Drawing (10%)	June 10, 2024	June 28, 2024
Subsurface Ledge Probes & Test Pit Coordination	July 8, 2024	July 12, 2024
Permitting*	August 5, 2024	December 20, 2024
Schematic Design Drawings (30%)	July 15, 2024	August 5, 2024
Design Development Drawings (75%)	August 19, 2024	September 27, 2024
Construction Documents (100%)	October 7, 2024	December 20, 2024
Bidding	December 20, 2024	January 24, 2025
Construction Administration	February 2025	TBD

*Includes time for pre-application meetings with regulatory agencies and time for development of permit applications. End date is when we would expect to have all required permit orders in place.

TABLE 2 - PROJECT #2 ANTICIPATED SCHEDULE		
	Start	**End**
Survey & Existing Conditions Plan	February 2025	April 2025
Concept Design Drawing (10%)	April 2025	May 2025
Subsurface Ledge Probes & Test Pit Coordination	May 2025	June 2025
Schematic Design Drawings (30%)	June 2025	July 2025
Design Development Drawings (75%)	July 2025	September 2025
Construction Documents (100%)	September 2025	November 2025
Bidding	November 2025	December 2025
Construction Administration	Spring 2026	TBD

TABLE 3 - PROJECT #3 ANTICIPATED SCHEDULE		
	Start	**End**
Survey & Existing Conditions Plan	February 2026	April 2026
Concept Design Drawing (10%)	April 2026	May 2026
Subsurface Ledge Probes & Test Pit Coordination	May 2026	June 2026
Schematic Design Drawings (30%)	June 2026	July 2026
Design Development Drawings (75%)	July 2026	September 2026
Construction Documents (100%)	September 2026	November 2026
Bidding	November 2026	December 2026
Construction Administration	Spring 2027	TBD

QUALIFICATIONS

BH2M Project Personnel

Steve Blake, PE is a Maine licensed engineer and partner at BH2M. Steve has managed several Municipal utility projects for the communities of Kennebunk, Arundel, and Biddeford among others. Steve has also managed teams of engineers and surveyors in the development of infrastructure plans and complex permitting projects. Steve has been responsible for preparing Municipal, Site Law, Stormwater, NRPA, and Army Corps permit applications for multiple infrastructure projects. Steve's experience includes managing several projects for the City of Biddeford including Mile Stretch Road Reconstruction, Hills Beach Road Reconstruction, the Granite Point Road Culvert Replacement, the Lower Main Street CSO Project, and the Alfred Street CSO Projects.

Chris MacDonald, PE is a Maine licensed engineer and senior engineer at BH2M. Chris has an abundance of local expertise working on a variety of utility and development projects including multiple sewer separation projects for the City of Biddeford and private development projects within the city. Chris's recent experience includes performing engineering design for multiple projects for the City of Biddeford including the Granite Point Road Culvert Replacement, the Lower Main Street CSO Project, and the Alfred Street CSO Projects.

Bob Libby, PLS is a Maine licensed surveyor and our chief surveyor. Bob has been with BH2M since 1985 and is a partner in the firm. In addition to managing our field survey crews Bob performs a wide variety of office survey tasks such as deed research, ALTA/NSPS surveys, flood plain elevation certificates, and mortgage loan inspections. Bob is a past President of the Maine Society of Land Surveyors (MSLS) and current Treasurer of the Narragansett Chapter of the MSLS.

Blanca Monsen, EI is a staff engineer at BH2M. Blanca has worked on several utility projects in her 4 years with BH2M. Blanca is experienced in developing site plans, preparing permit applications, and stormwater modelling. Blanca, provided engineering support for the Lower Main Street and Alfred Street CSO projects for the City of Biddeford.

BH2M Project Personnel (continued)

Tyler Taggett is a survey technician for BH2M. Tyler has provided construction inspection, surveying field support, and ALTA/NSPS survey plan development for a variety of infrastructure projects in Maine.

Subconsultants

We anticipate self-performing most of the scope of services. BH2M is experienced in permitting, surveying, engineering, bidding, and construction management. We anticipate handling all these items with our in-house Staff. We do not currently have any Staff capable of performing natural resource delineations that will likely be required for Project #1. We routinely work with Alex Finamore, LSE, CWS of Mainely Soils, LLC to provide natural resource delineations. Alex will be on our Team to provide natural resource delineations, a natural resource report, and a functional assessment for the work associated with the new outfall for Project #1.

Related Project Experience

BH2M's recent relevant project experience includes the following projects that we have performed for the City of Biddeford:

Alfred Street and Summer Street Sewer Separation Project (2023 – 2024) – BH2M managed the survey, design, and bidding for this sewer separation project for the City of Biddeford. The project included approximately 1,400 linear feet of storm drain separation and was a CWSRF funded project.

Lower Main Street Sewer Separation Project – BH2M managed the survey, design, bidding, and construction administration for this complex sewer separation project on Main Street in Biddeford. The project included approximately 1,000 linear feet of storm drain separation.

Foss Street Sewer Separation Project - BH2M managed the survey, design, bidding, and construction administration for this complex sewer separation project on Main Street in Biddeford. The project included approximately 600 linear feet of storm drain separation.

Granite Point Road Culvert Replacement – BH2M managed the grant application, surveying, permitting, design, bidding, and construction administration for this complex stream crossing replacement project for the City of Biddeford. The projected consisted of replacement of an undersized, failing culvert on Granite Point Road. Permitting for the project included NRPA permitting with MEDEP and a Maine General Permit from USACE.

Statement of Workload Availability

We are very excited about the potential for continuing our working relationship with the City of Biddeford and we are committed to delivering these projects within the outlined schedule. Of the three projects, in our opinion, the most challenging schedule is Project #1 due to the immediate start, coordination with DOT, and the somewhat unknown permitting schedule. Our schedule (outlined above) is a well thought out approach where we can use our internal Staff to start on the existing conditions survey immediately. We have also allotted sufficient time to allow for coordination with regulatory agencies for the complex permitting process. We are committed to having our Staff available to keep all three projects on schedule.

LUMP SUM PROPOSAL ESTIMATE

Below is a Table summarizing the estimated total costs for each project. Exhibit 1 contains the detailed estimates for each project task.

TABLE 4 - ESTIMATE SUMMARY	
Project #1 – Elm Street & Hooper Street	$98,500
Project #2 – Alfred Street Phase 3 (Summer to Porter)	$72,500
Project #3 – Washington Street & Main Street	$104,000
Grand Total	**$275,000**

This estimate is for completing the job as described in the scope of services above. It is based on our evaluation and does not include additional services which may be required should unforeseen conditions or requests arise after the work has been started.

Thanks for the opportunity to respond to this RFP. If you have any questions, please feel free to call.

Sincerely,

Steven J. Blake, P.E.
Vice President

Encl.

Exhibit 1
Detailed Proposal Estimate

CITY OF BIDDEFORD CSO PROJECTS - ENGINEERING CONSULTING SERVICES			
LUMP SUM SCOPE-OF-SERVICES			
ITEM	**TASK**	**COST**	
1	**PROJECT #1: ELM STREET & HOOPER STREET**		
A	SURVEY & EXISTING CONDITIONS PLAN	$	16,000.00
B	CONDEPT DESIGN DRAWING	$	3,500.00
C	SUBSURFACE LEDGE PROBES & TEST PIT COORDINATION	$	1,500.00
D	SCHEMATIC DESIGN DRAWINGS (30%)	$	8,000.00
E	DESIGN DEVELOPMENT DRAWINGS (75%)	$	15,000.00
F	CONSTRUCTION DOCUMENTS (100%)	$	16,000.00
H	MEETINGS & COORDINATION	$	5,000.00
I	PERMITTING	$	15,000.00
J	BID ASSISTANCE	$	2,500.00
K	CONSTRUCTION ADMINISTRATION	$	11,000.00
L	GRANT COORDINATION (*OPTIONAL ADD-ON*)	$	5,000.00
	PROJECT #1 TOTAL:	**$**	**98,500.00**
2	**PROJECT #2: ALFRED STREET PHASE 3 (SUMMER TO PORTER)**		
A	SURVEY & EXISTING CONDITIONS PLAN	$	10,000.00
B	CONDEPT DESIGN DRAWING	$	2,500.00
C	SUBSURFACE LEDGE PROBES & TEST PIT COORDINATION	$	1,500.00
D	SCHEMATIC DESIGN DRAWINGS (30%)	$	6,000.00
E	DESIGN DEVELOPMENT DRAWINGS (75%)	$	14,000.00
F	CONSTRUCTION DOCUMENTS (100%)	$	16,000.00
H	MEETINGS & COORDINATION	$	5,000.00
I	PERMITTING	$	-
J	BID ASSISTANCE	$	2,500.00
K	CONSTRUCTION ADMINISTRATION	$	10,000.00
L	GRANT COORDINATION (*OPTIONAL ADD-ON*)	$	5,000.00
	PROJECT #2 TOTAL:	**$**	**72,500.00**
3	**PROJECT #3: WASHINGTON STREET & MAIN STREET**		
A	SURVEY & EXISTING CONDITIONS PLAN	$	14,000.00
B	CONDEPT DESIGN DRAWING	$	4,000.00
C	SUBSURFACE LEDGE PROBES & TEST PIT COORDINATION	$	1,500.00
D	SCHEMATIC DESIGN DRAWINGS (30%)	$	8,000.00
E	DESIGN DEVELOPMENT DRAWINGS (75%)	$	17,000.00
F	CONSTRUCTION DOCUMENTS (100%)	$	19,000.00
G	DETAILED SIDEWALK/ACCESSIBLE RAMP DESIGN (*OPTIONAL ADD-ON*)	$	13,000.00
H	MEETINGS & COORDINATION	$	5,000.00
I	PERMITTING	$	-
J	BID ASSISTANCE	$	2,500.00
K	CONSTRUCTION ADMINISTRATION	$	15,000.00
L	GRANT COORDINATION (*OPTIONAL ADD-ON*)	$	5,000.00
	PROJECT #3 TOTAL:	$	104,000.00
	GRAND TOTAL:	$	275,000.00

Exhibit 2
Schedule of Billing Rates

SCHEDULE OF BILLING RATES

Effective January 1, 2024

Principal	$155/Hour
Senior Engineer	$125/Hour
Project Engineer	$80 - $110/Hour
Project Manager	$125 - $155/Hour
Survey Manager	$125/Hour
Licensed Surveyor	$90 - $125/Hour
Survey Technician	$60 - $80/Hour
Survey Field Crew (One Person with GPS)	$110/Hour
Survey Field Crew (Two Person)	$175/Hour
Autocad Technician	$70 - $125/Hour
Construction Inspector	$75 - $85/Hour
Administrative Staff	$75/Hour

SCHEDULE OF EXPENSES

Direct Expenses (Application fees (if paid by BH2M), printing, postage, advertisements, subcontractors, etc.)	Cost + 10%
Materials (Iron rebar, granite monuments, grade stakes, etc.)	Cost + 10%
Mileage	$0.75/Mile

75 Washington Avenue, Suite 202
Portland, ME 04101
207.761.2991 | www.wright-pierce.com

October 20, 2023

Mr. Michael Riley, PE
CSO Abatement Coordinator
Division of Water Quality Management
Maine Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017

SUBJECT: City of Biddeford CSO Master Plan Update

Dear Mr. Riley,

Thank you for meeting with the City of Biddeford (City) and Wright-Pierce on August 7, 2023 to discuss the CSO Master Plan Update and the list of CSO related projects the City is proposing to be included in the pending Consent Agreement. In response to the comments and questions from the Maine DEP, the City and Wright-Pierce have been updating the list of CSO abatement projects for inclusion in the pending Consent Agreement. The Maine DEP was in general support of the plan discussed on August 7, 2023 and liked the plan, however, they had three requests as follows:

- Changing the length of the plan from 15-years to 10-years by dropping projects 18 to 21. The DEP has not had good luck with plans longer than 10-years.
- Moving projects 16 (Rumery, Bristol, & Freeman Separation) and 17 (Brook & Highland Separation) from Years 11-15 to years 6-10.
- Add the Bradbury project from the prior SSES report.

The general motivation behind these comments was to move the city towards a 1-year level of control at their CSOs except for CSO-009, which already has a CSO storage facility.

The August 7, 2023 meeting also included discussions to determine whether DEP would consider a 5-year consent agreement with projects 6-10 happening outside of the order, which might be easier for the City to obtain buy-in from their council. The DEP indicated they would consider it; however, this was discussed internally between the City and Wright-Pierce after the meeting and the City has decided not to pursue the 5-year option.

Proposed Plan

Based on Maine DEP's comments and various internal meetings and iterations of projects between the City and Wright-Pierce, the following updates were made to the plan for DEP's consideration:

- The city has elected to pursue a 10-year plan for the consent agreement, with re-evaluation of the plan after the first 5-year period.
- The plan maintains a "one project per year" goal for the entire 10-year period. A "one project per year" timeline sets realistic design cycles (survey/design/bid/build) and aligns with the one construction season per year availability in Maine. The plan also holds to a $40 million maximum goal for the 10-year plan to best position itself for acceptance by City council.
- A portion of the former Project 18, "Westfield Ext., Congress Street Separation Project", which was slated to be outside of the 10-year plan, is now included in the 10-year plan. The project portion moved contains approximately $3.45 million in capacity upgrades required to handle flows from Project 8, and potential future Porter Street and Myrtle Street separation projects (both of which are outside the 10-year plan). This new project is called "Harrison to Free Street Upgrades" and is now Project 7.
- As a result, former Projects 16 and 17 remain outside the 10-year plan. Also note that the Brook and Highland Separation project is now just Highland Separation as the Brook Street catch basins were identified through ongoing field work by the city as already being separated, confirmed via dye testing. Additionally, the Hillside Avenue/CF Oaks separation project, previously a part of former Project 13, was also moved outside of the 10-year plan.
- Several projects were consolidated into larger projects to maintain the "one project per year" goal.
- Former project 19 was eliminated from all project lists as Laurier Street and Wilson Street were identified as separated through the city's ongoing field work and GIS mapping updates. These were confirmed through a combination of dye testing and CCTV work. Additionally, Herring Avenue was confirmed to only have a single combined catch basin and is no longer viewed as a cost-effective separation option.
- Project 0 was added to the top of the table in response to the request to add the "Bradbury project" to the list of projects. This project is to show that some projects have already been completed including the Bradbury and Mason separation project and the Cutts Street separation. Please note that these costs are not included in the overall project totals.
- A new project has been added to the table called Diamond Storage Upgrade, which consists of upgrading the existing 12-inch interceptor sewer between Elm Street and Horrigan Court Pump Station to approximately 1,125 LF of 30-inch sewer and 1,120 LF of 60-inch sewer providing approximately 205,000 gallons of inline storage. This project currently remains outside the 10-year plan as it is driven by private development in the area and therefore the timeline is still variable, although likely to occur in the next 5 years.

Based on the information provided above, we have attached an updated 10-year project list along with the associated figures for Maine DEPs consideration. It is important to note that the proposed projects have been developed using the best information available at this time, however they remain conceptual in nature. No formal surveying or test pitting efforts have been completed. As these projects move into design phases, they could likely encounter previously unknown elevation, ledge, utility, or other conflicts that could lead to some projects becoming infeasible or substantially changing in size, scope, and nature. Therefore, and as discussed with Maine DEP at the August meeting, the City is requesting that flexibility be built into the Consent

Agreement to allow for projects to be shifted around and adjusted in scope as needed, including moving projects from outside the 10-year plan into it to account for any projects encountering issues described above. It is also requested that a 5-year check-in and associated re-evaluation of the next 5 years be a part of the agreement to allow additional flexibility in project order.

The City of Biddeford has put a tremendous amount of effort into developing this plan and into continued CSO abatement efforts. They are committed to providing a beneficial yet realistic list of projects for the Consent Agreement and look forward to continued collaboration with the Maine DEP. Project 1 in the list of CSO projects is already moving forward with final design completed and bidding to follow soon. We are confident this plan will position the City for long-term success in their CSO abatement program.

Sincerely,
WRIGHT-PIERCE

Ryan T. Wingard, PE
Vice President
ryan.wingard@wright-pierce.com

Steve L. Guerrette, PE
Project Manager
steve.guerrette@wright-pierce.com

cc: James Bennett, City of Biddeford
Brian Phinney, City of Biddeford
Jeff Demers, City of Biddeford
Craig Chekan, City of Biddeford
Tom Milligan, City of Biddeford
Alex Buechner, City of Biddeford
Pamela Parker, Maine DEP

Project Number: 20496A
Project: Biddeford Sewer/Storm Drain Separation Projects
ENR CCI 20CITY AVG: 13175

Date: 10/18/23
By: ABL/SLG

SEPARATION PROJECTS, 10-YEAR PLAN

PRIORITY	Project Title	LF of New Storm Drain	Construction Cost	Engineering Cost	Estimated Total Cost	Tributary Outfall	CSO Area	Project Timeline	Dependent Projects
0	Cutts, Bradbury, Mason Separation	990	$ 1,522,947	$ 456,884	$ 1,980,000	Bradbury	CSO-006	Year 1-5	-
1	Alfred Street Separation - CWSRF Project 1 (Phase 1 and 2)	1,980	$ 3,219,248	$ 965,774	$ 4,185,000	Main Street	CSO-009	Year 1-5	-
2	Alfred Street Separation - CWSRF Project 2 (Phase 3)	1,440	$ 2,310,193	$ 693,058	$ 3,003,000	Main Street	CSO-009	Year 1-5	1
3	Main Capacity Upgrades & Summer Street Separation	1,500	$ 2,456,668	$ 737,000	$ 3,194,000	Main Street	CSO-009	Year 1-5	1
4	Washington, Jefferson, Adams, Franklin Separation	2,520	$ 3,659,373	$ 1,097,812	$ 4,757,000	Main Street	CSO-009	Year 1-5	3
5	Elm Street Capacity Upgrades	2,370	$ 3,869,539	$ 1,160,862	$ 5,030,000	Elm Street	CSO-007	Year 1-5	-
6	South, Kossuth, Hooper, Maple Separation	2,140	$ 3,064,040	$ 919,212	$ 3,983,000	Elm Street & Former Maple Street CSO	CSO-007	Year 6-10	5
7	Harrison to Free Street Upgrades	1,420	$ 2,655,608	$ 796,682	$ 3,452,000	Alison Ave	CSO-009	Year 6-10	
8	Lambert, Clark, Tachereau Separation	2,870	$ 4,681,469	$ 1,404,441	$ 6,086,000	Alison Ave	CSO-009	Year 6-10	7
9	Westland, Dental, Forest, Rathier Separation	1,140	$ 1,267,744	$ 380,323	$ 1,648,000	Alison Ave (Westland), Western Ave (Dental), Springfield Railroad (Forest/Rathier)	CSO-005r (Dental, Forest, Rathier), CSO-009 (Westland)	Year 6-10	-
10	Rumery Capacity Upgrades & George Separation	1,270	$ 1,945,781	$ 583,734	$ 2,530,000	Rumery	CSO-013	Year 6-10	-
		Total LF= 18700	**$ 29,130,000**	**$ 8,739,000**	**$ 37,870,000**				

PROJECTS BEYOND CONSENT AGREEMENT

Hillside/CF Oaks - Previously in 10-year	1,000	$ 1,332,765	$ 399,830	$ 1,733,000	Alison Ave	CSO-009	Year 11-15	-
Rumery, Bristol & Freeman Separation	1,210	$ 2,688,656	$ 806,597	$ 3,495,000	Rumery	CSO-013	Year 11-15	10
Highland Separation	1,010	$ 623,998	$ 187,199	$ 811,000	N Main Street	CSO-006	Year 11-15	-
Porter Street & Myrtle Street	2,040	$ 3,004,785	$ 901,436	$ 3,906,000	Alison Ave	CSO-009	Year 11-15	7,8
Westfield Ext., Congress Street Separation	820	$ 873,460	$ 262,038	$ 1,135,000	Alison Ave	CSO-009	Year 11-15	7
Southgate Separation	851	$ 299,523	$ 1,048,329	$ 1,348,000	Alison Ave	CSO-009	Year 11-15	-
Diamond Storage Upgrade	2,245	$ 3,248,140	$ 974,442	$ 4,223,000	N/A	CSO-006/007	Year 1-5	-
		$ 12,100,000	$ 4,600,000	$ 16,700,000				

1. Projects and their estimates shown in the tables are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

- Proposed Drain Manhole
- Proposed Drain Pipe
- Contour (5ft)

Manholes
- Sewer or Combined
- Storm
- Unknown

Catch Basins
- Combined
- Separated
- Unknown
- "Realistic" Combined Catch Basin

Gravity Mains

Water Type
- Sewer or Combined
- Storm

Briarwood Dr
State St
Quimby St
Bradbury St
Major's Cor
Kid Cir
St Mary St
Main St
Curtis St
St Joseph St
Elm St
Center St
South St
Chadwick Pl
Mason St
Wentworth Ct
Wentworth St
Williams Ct
Wells Pl

42"
30"
24"
18"
12"
8"

0 50 100 200 Feet

N

Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Cutts, Bradbury, Mason Separation

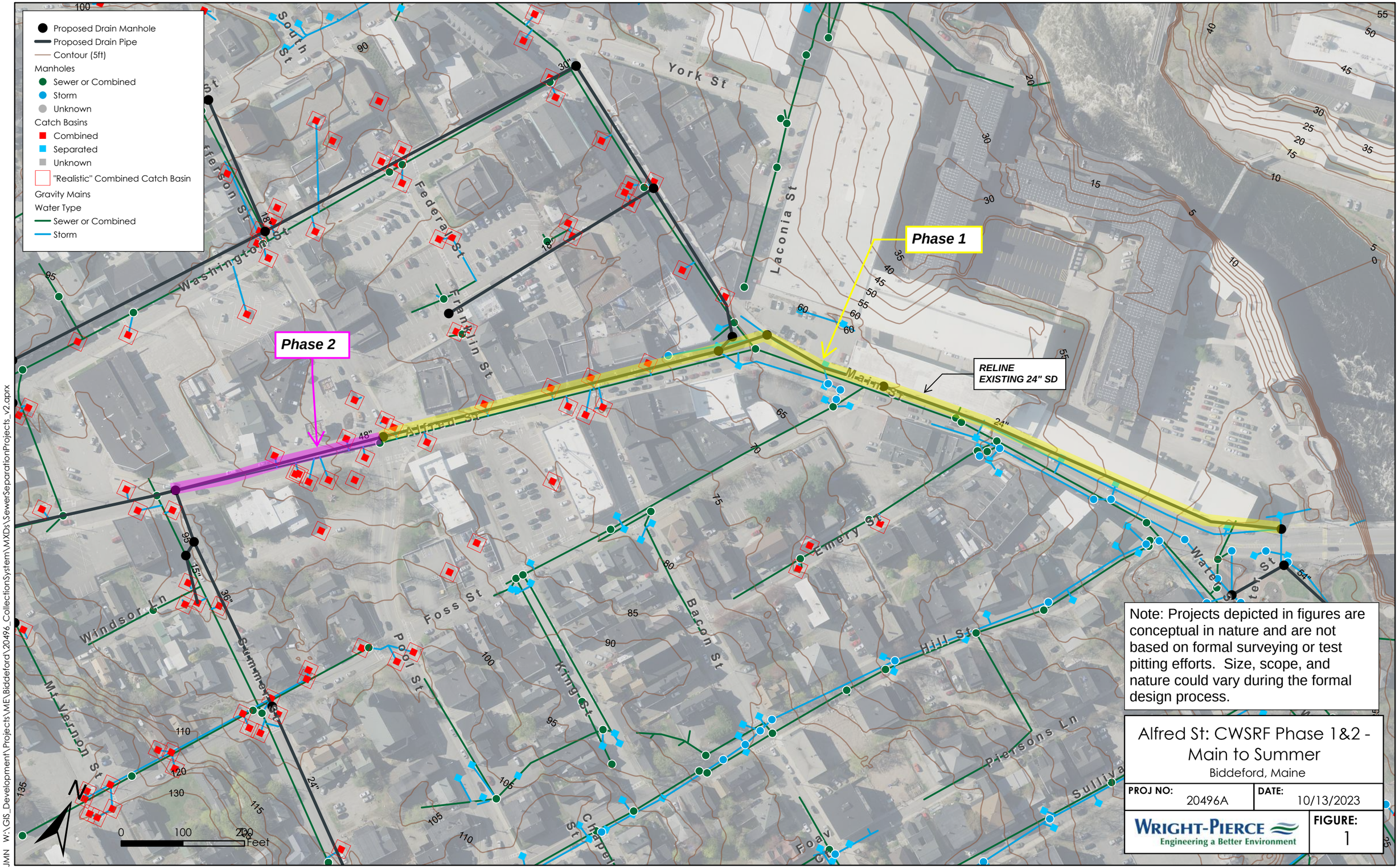
Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE: 0

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx



Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Alfred St: CWSRF Phase 1&2 - Main to Summer

Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE: 1

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Alfred St: CWSRF Phase 3 - Summer to Porter

Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

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FIGURE: 2

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

Proposed Drain Manhole
Proposed Drain Pipe
Contour (5ft)
Manholes
Sewer or Combined
Storm
Unknown
Catch Basins
Combined
Separated
Unknown
"Realistic" Combined Catch Basin
Gravity Mains
Water Type
Sewer or Combined
Storm

Phase 1

Phase 2

Washington St
Alfred St
Windsor Ln
Foss St
Summer St
Hill St
Middle St
Poor St
Phillips Ln
Mt Vernon St
Clark's Ct
Prospect St
Birch St

0 100 200 Feet

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Main St. Capacity Upgrades & Summer Separation

Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

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FIGURE: 3.1

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

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Main St. Capacity Upgrades & Summer Separation

Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE: 3.2

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

- Proposed Drain Manhole
- Proposed Drain Pipe
- Contour (5ft)

Manholes
- Sewer or Combined
- Storm
- Unknown

Catch Basins
- Combined
- Separated
- Unknown
- "Realistic" Combined Catch Basin

Gravity Mains

Water Type
- Sewer or Combined
- Storm

South St
Adams St
Jefferson St
Washington St
Federal St
Franklin St
York St
Laconia St
Alfred St
Clark's Ct
Mt Vernon St
Windsor Ln
Summer St
Foss St
Pool St
King St
Bacon St
Emery St

0 100 200 Feet

Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Wash., Jeff., Adams, Frank., Separation
Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

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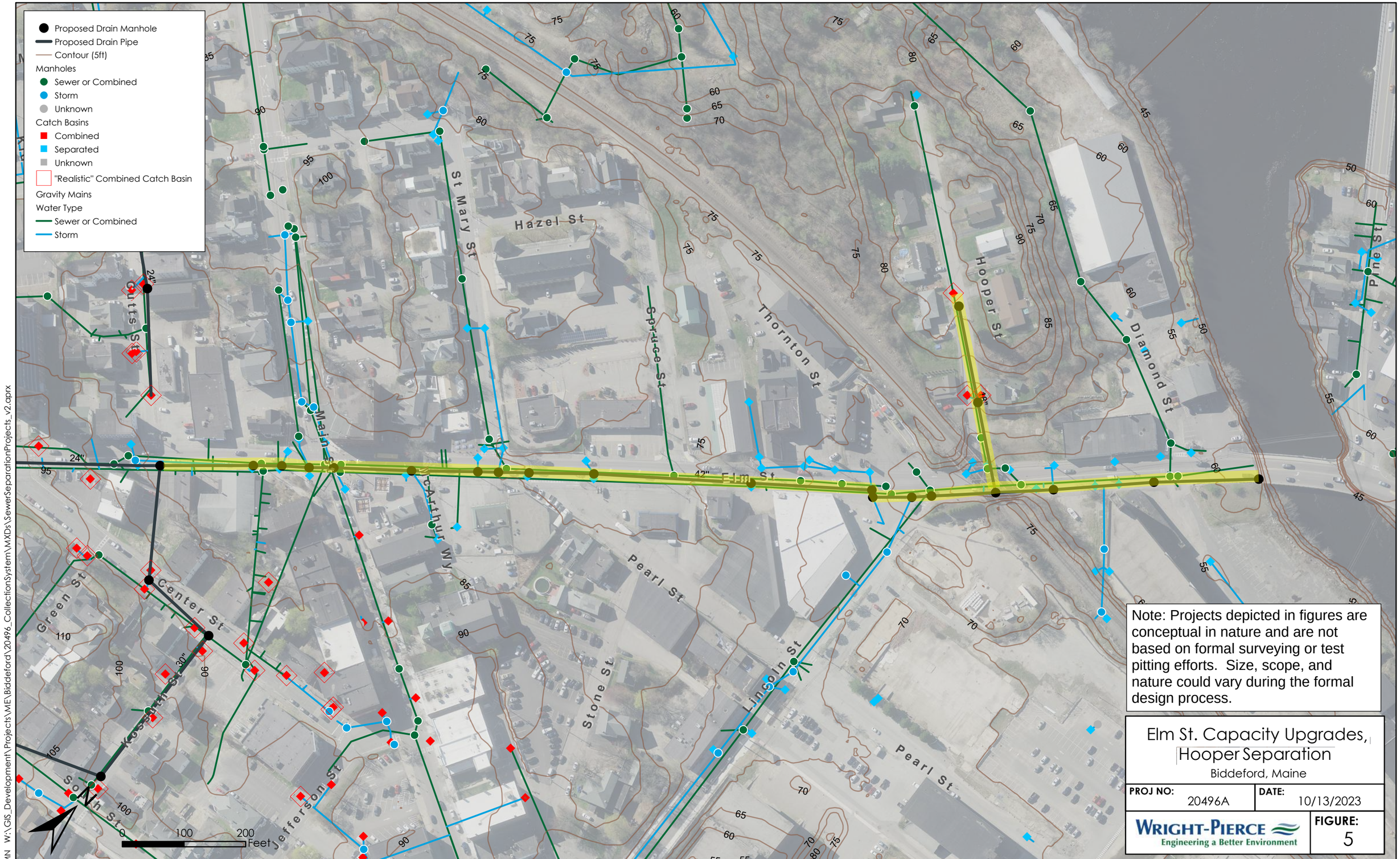
Engineering a Better Environment

FIGURE: 4

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx



Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Elm St. Capacity Upgrades, Hooper Separation

Biddeford, Maine

PROJ NO: 20496A	DATE: 10/13/2023
WRIGHT-PIERCE Engineering a Better Environment	FIGURE: 5

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

- Proposed Drain Manhole
- Proposed Drain Pipe
- Contour (5ft)

Manholes
- Sewer or Combined
- Storm
- Unknown

Catch Basins
- Combined
- Separated
- Unknown
- "Realistic" Combined Catch Basin

Gravity Mains

Water Type
- Sewer or Combined
- Storm

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South, Kossuth, Maple Separation
Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

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FIGURE: 6

0 100 200 400 Feet

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

- Proposed Drain Manhole
- Proposed Drain Pipe
- Contour (5ft)

Manholes
- Sewer or Combined
- Storm
- Unknown

Catch Basins
- Combined
- Separated
- Unknown
- "Realistic" Combined Catch Basin

Gravity Mains

Water Type
- Sewer or Combined
- Storm

PIPE CAPACITY UPGRADES

Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Harrison to Free Street Upgrades

Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE: 7

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

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Lambert, Clark, Tachereau Separation
Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

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FIGURE: 8

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

- Proposed Drain Manhole
- Proposed Drain Pipe
- Contour (5ft)

Manholes
- Sewer or Combined
- Storm
- Unknown

Catch Basins
- Combined
- Separated
- Unknown
- "Realistic" Combined Catch Basin

Gravity Mains

Water Type
- Sewer or Combined
- Storm

N

0 100 200 400 600 800 Feet

Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Westland, Dental, Forest, Rathier Separation

Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE: 9

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

Proposed Drain Manhole
Proposed Drain Pipe
Contour (5ft)
Manholes
Sewer or Combined
Storm
Unknown
Catch Basins
Combined
Separated
Unknown
"Realistic" Combined Catch Basin
Gravity Mains
Water Type
Sewer or Combined
Storm

PIPE CAPACITY UPGRADES

SEWER SEPARATION

Note: Projects depicted in figures are conceptual in nature and are not based on formal surveying or test pitting efforts. Size, scope, and nature could vary during the formal design process.

Rumery Capacity Upgrades & George Separation
Biddeford, Maine

PROJ NO:	DATE:
20496A	10/13/2023

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE: 10

N
0 100 200 Feet

JMN W:\GIS_Development\Projects\ME\Biddeford\20496_CollectionSystem\MXDs\SewerSeparationProjects_v2.aprx

Finance Committee

Meeting Date: April 16, 2024
Meeting Time: 5:30 pm

Agenda Item No: 4.2
Item Description: Approval/Purchase of three (3) 2024 law enforcement Dodge Durango Pursuit vehicles

Submitted by: JoAnne W. Fisk, Chief of Police

Supporting Information/Documentation:

Marc C.D.J.R., LLC Sanford, ME

Executive Summary:

Approval to purchase three (3) 2024 new Dodge Durango Pursuit SUV/AWD vehicles

Detailed Review:

The police department is seeking approval to replace three (3) Ford Interceptor Police vehicles. The mileage on the 2021 Ford Interceptor SUV's range from 94,500 to 108,100, not including idle time hours. The replacement of the Ford Interceptor will also ease the continuing known issues with the Ford Interceptors 1) Harsh engagement 2) Harsh shifting 3) Delayed Shifting. Ford continues to be unwilling or unable to correct these transmission issues, which have been prevalent since 2020 (see attached Technical Service Bulletin). Given the types of driving police vehicles are used for, these operational issues have created a substantial safety concern for officers. The department will continue to have some Fords in operation. The remaining vehicles are assigned to the following units: K-9 unit, the supervisors unit, and the traffic unit. A "jump" car is at the city's public works department and used when vehicles are in for maintenance or repairs.

Trade on three (3) existing Ford Interceptors will be handled either by dealer trade of bid process on the site of Municibid. Department of Public Works Garage Supervisor Jerry Court estimates a minimum trade value of $10,000.00 per vehicle.

Funding Source:

Although the funding source would be the FY 2025 budget, Stellantis, which is the parent company of Dodge will accept reservations for the Dodge Pursuit vehicles until April 12, 2024. Stellantis does not accept orders after the cutoff date. If not ordered prior to this date, the vehicles are subject to dealer availability, both locally and nationally as well as shipping costs. Dealers do not generally keep police vehicles on the dealer lot as they are specialty vehicles.

Orders deliveries prior to the April date will be in in either August or September of 2024.

Staff Recommendation:

Staff recommends the purchase of three (3) Dodge Durango Pursuit vehicles for a cost of up to $150,000.00. Cost of vehicles shall be reduced upon sale/trade of three (3) Ford Interceptors.

MAKE	YEAR	MILEAGE	USEAGE	UNIT #
FORD (TRADE)	2021	108,107	PATROL	110
FORD (TRADE)	2021	94,642	PATROL	111
FORD	2022	52,032	K-9 VEHICLE	112
FORD	2022	46,909	PATROL	113
FORD	2020	67,456	PATROL JUMP CAR	114
FORD (TRADE)	2021	94,573	PATROL	115
FORD	2021	83,075	PATROL	116
FORD	2022	71,043	SUPERVISOR	117
FORD	2022	47,651	TRAFFIC	118
DODGE	2023	7,985	PATROL	120
DODGE	2023	6,357	PATROL	121

Marc C.D.J.R., LLC
1754 MAIN STREET
SANFORD, ME 040732457

Configuration Preview

Date Printed: 2024-04-11 12:03 PM
Estimated Ship Date:
VIN:
VON:

Quantity: 3
Status: BA - Pending order
FAN 1: 00TC9 City of Biddeford ME
FAN 2:
Client Code:
Bid Number: TB4070
PO Number:

Sold to:
Marc C.D.J.R., LLC (60743)
1754 MAIN STREET
SANFORD, ME 040732457

Ship to:
Marc C.D.J.R., LLC (60743)
1754 MAIN STREET
SANFORD, ME 040732457

Vehicle: **2024 DURANGO PURSUIT VEHICLE AWD (WDEE75)**

	Sales Code	Description	MSRP(USD)	FWP(USD)
Model:	WDEE75	DURANGO PURSUIT VEHICLE AWD	43,075	42,881
Package:	22Z	Customer Preferred Package 22Z	0	0
	EZH	5.7L V8 HEMI MDS VVT Engine	3,115	2,803
	DFD	8-Spd Auto 8HP70 Trans (Buy)	0	0
Paint/Seat/Trim:	PXJ	DB Black Clear Coat	0	0
	APA	Monotone Paint	0	0
	*A7	Cloth Bucket Seats W/Rear Vinyl	150	136
	-X9	Black	0	0
Options:	4ES	Delivery Allowance Credit	0	-430
	MAF	Fleet Purchase Incentive	0	0
	MT8	Delete Liftgate Badge	0	0
	LNF	Black Left LED Spot Lamp	640	575
	GXA	Entire Fleet Alike Key (FREQ 2)	350	316
	CW6	Deactivate Rear Doors/Windows	90	81
	4DH	Prepaid Holdback	0	-1,423
	5N6	Easy Order	0	0
	4FM	Fleet Option Editor	0	0
	4FT	Fleet Sales Order	0	0
	132	Zone 32-New York	0	0
	4EA	Sold Vehicle	0	0
Non Equipment:	4FA	Special Bid-Ineligible For Incentive	0	0
Bid Number:	TB4070	Government Incentives	0	-4,500
Discounts:	YG1	7.5 Additional Gallons of Gas	0	26
Destination Fees:			1,595	1,595
		Total Price:	49,015	42,060

Order Type: Fleet
Scheduling Priority: 1-Sold Order
Salesperson:
Customer Name:
Customer Address:
USA
Instructions:

PSP Month/Week:
Build Priority: 99

1500 under Invoice

Final Cost 40,560.00

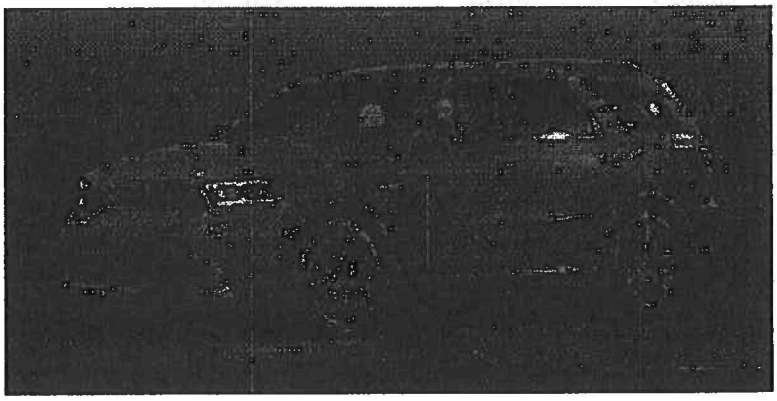
Note: This is not an invoice. The prices and equipment shown on this priced order confirmation are tentative and subject to change or correction without prior notice. No claims against the content listed or prices quoted will be accepted. Refer to the vehicle invoice for final vehicle content and pricing. Orders are accepted only when the vehicle is shipped by the factory.

QUIRK AUTO GROUP
LEO CHICOINE | 207-430-1621

CITY OF BIDDEFORD POLICE

Prepared For: CHIEF JO ANNE FISK

Vehicle: [Fleet] 2024 Dodge Durango (WDEE75) Pursuit AWD



THANK YOU FOR THE OPPORTUNITY TO QUOTE YOU ON YOUR NEXT.PURCHASE. IF YOU HAVE ANY QUESTION.
PLEASE GIVE ME A CALL.

QUIRK AUTO GROUP
LEO CHICOINE | 207-430-1621

Vehicle: [Fleet] 2024 Dodge Durango (WDEE75) Pursuit AWD (⚠ Incomplete)

Window Sticker

SUMMARY

[Fleet] 2024 Dodge Durango (WDEE75) Pursuit AWD MSRP:$43,075.00

Interior:Black, Cloth Bucket Seats w/Rear Vinyl

Exterior 1:DB Black Clearcoat

Exterior 2:No color has been selected.

Engine: 5.7L V8 HEMI MDS VVT

Transmission: 8-Speed Automatic (8HP70)

OPTIONS

CODE	MODEL		MSRP
WDEE75	[Fleet] 2024 Dodge Durango (WDEE75) Pursuit AWD		$43,075.00
	OPTIONS		
A7X9	Black, Cloth Bucket Seats w/Rear Vinyl		$150.00
ADL	Skid Plate Group		$350.00
CW6	Deactivate Rear Doors/Windows		$90.00
DFD	Transmission: 8-Speed Automatic (8HP70)		$0.00
DPM	3.09 Rear Axle Ratio	Inc.	
EZH	Engine: 5.7L V8 HEMI MDS VVT		$3,115.00
GXA	Entire Fleet Alike Key (FREQ 2)		$350.00
LNF	Black Left LED Spot Lamp		$640.00
PXJ	DB Black Clearcoat		$0.00
WBN	Wheels: 18" x 8.0" Black Steel		$0.00
Z6J	GVWR: 7,100 lbs	Inc.	
	SUBTOTAL		**$47,770.00**
	Adjustments Total		$0.00
	Destination Charge		$1,595.00
	TOTAL PRICE		**$49,365.00**

FUEL ECONOMY

Est City:14 MPG

Est Highway:22 MPG

Est Highway Cruising Range:541.20 mi

44541.00
Leo Chicoine

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Data Version: 22169. Data Updated: Apr 9, 2024 6:47:00 PM PDT.

Vehicle: [Fleet] 2024 Dodge Durango (WDEE75) Pursuit AWD (⚠ Incomplete)

Technical Specifications

Powertrain

Transmission

Drivetrain	All Wheel Drive	Trans Order Code	DFD
Trans Type	8	Trans Description Cont.	Automatic w/OD
Trans Description Cont. Again	N/A	First Gear Ratio (:1)	4.71
Second Gear Ratio (:1)	3.14	Third Gear Ratio (:1)	2.11
Fourth Gear Ratio (:1)	1.67	Fifth Gear Ratio (:1)	1.28
Sixth Gear Ratio (:1)	1.00	Reverse Ratio (:1)	3.29
Clutch Size	N/A	Trans Power Take Off	N/A
Final Drive Axle Ratio (:1)	N/A	Transfer Case Model	Electronic
Transfer Case Gear Ratio (:1), High	N/A	Transfer Case Gear Ratio (:1), Low	N/A
Transfer Case Power Take Off	No	Seventh Gear Ratio (:1)	0.84
Eighth Gear Ratio (:1)	0.67		

Mileage

EPA Fuel Economy Est - Hwy	22 MPG	Cruising Range - City	344.40 mi
EPA Fuel Economy Est - City	14 MPG	Fuel Economy Est-Combined	17 MPG
Cruising Range - Hwy	541.20 mi	Estimated Battery Range	N/A

Engine

Engine Order Code	EZH	Engine Type	Regular Unleaded V-8
Displacement	5.7 L/345	Fuel System	Sequential MPI
SAE Net Horsepower @ RPM	360 @ 5150	SAE Net Torque @ RPM	390 @ 4250
Engine Oil Cooler	Regular Duty		

Electrical

Cold Cranking Amps @ 0° F (Primary)	800	Cold Cranking Amps @ 0° F (2nd)	800
Cold Cranking Amps @ 0° F (3rd)	N/A	Maximum Alternator Capacity (amps)	220

Cooling System

Total Cooling System Capacity	N/A

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