



**US Army Corps
of Engineers** ®
Rock Island District

PUBLIC NOTICE

Applicant: City of Des Moines

Date: December 07, 2021

Expires: January 05, 2022

CEMVR-RD-2021-1434

Section 404

**Joint Public Notice
US Army Corps of Engineers
Iowa Department of Natural Resources**

1. **Applicant:** City of Des Moines, c/o Mr. Chris Kuhl, 400 Robert D. Ray Drive, Des Moines, Iowa 50309.

2. **Project Location:** An unnamed tributary of Saylor Creek and associated wetlands located in wetlands and streams within a parcel of property in Section 22, Township 79 North, Range 24 West, Polk County, Iowa. UTM Z 15 NAD 83. Latitude 41.6389, Longitude -93.6190.

3. **Project Description:**

a. The Applicant proposes to construct a small flood control facility to reduce the frequency and duration of flooding events for the local area by replacing the existing infrastructure and limiting peak flow rates by providing regional flood control at this location. Specifically, this project will include replacing the existing wood structure culverts and storm sewer system with RCP and concrete box culverts. The outfall of this structure will discharge into 8' flat bottom channel with 4:1 side slope. This site will consist of construction of a detention basin constructed by enlarging and dredging adjacent to an existing V-bottom channel. It will aid in the reduction of bank erosion and channel stability and to provide additional storage during large rainfall events. Bank armoring will be implemented through the cut-banks of the channel improvements to prevent erosion and improve water quality. This will include Class "D" Rip-Rap and geo-grid material. The proposed detention cell will have an outlet structure that provides a pre-development release rates and will aid in the reduction of the overall peak flow rates. The detention basin will be seeded with wetland vegetation.

b. The unnamed tributary will partially remain in place except for 148 linear feet (0.418 acres) which will be redirected and filled for the new berm. Approximately 0.13 acres of wetland will be filled by this project as well.

c. To compensate for the loss of wetlands and streams, the Applicant will purchase wetland and stream credits from an approved wetland and stream mitigation bank in the approved service area of the impacts.

d. Avoidance and minimization: Only the minimum amount of stream channel will be filled for this project and BMP's and erosion control will be implemented during the construction of the detention basin and throughout the project to minimize sediment and erosion due to runoff and eliminate any material that will discharge into the tributary.

4. Agency Review:

a. Department of the Army, Corps of Engineers. The Department of the Army application is being processed under the provisions of Section 404 of the Clean Water Act (33 U.S.C. 1344).

b. State of Iowa. The project plans have been submitted to the Iowa Department of Natural Resources for state certification of the proposed work in accordance with Section 401 of the Clean Water Act. The certification, if issued, will express the Department's opinion that the proposed activity will comply with Iowa's water quality standards (Chapter 61 IAC). The applicant has also applied for authorization of work in the floodplain pursuant to Chapter 455B of the Iowa Code and other applicable state permits. Written comments concerning possible impacts to waters of Iowa should be addressed to Iowa Department of Natural Resources, 502 E. 9th Street, Des Moines, Iowa 50319. A copy of the comments should be provided to the Corps of Engineers office (see paragraph 11., of this public notice for address.)

5. Historical/Archaeological:

a. The District Archaeologist consulted with the Iowa I-Sites geographic information systems archeological site and survey databases online. No previous cultural resource surveys have been completed in the permit area.

b. The project area has been subject to multiple stream channelization efforts at various times in the past. In addition, several modern structures were present in the permit area. The construction and demolition of these structures adds to the previous disturbance.

c. Based on the level of previous disturbance, it is the recommendation of the District Archaeologist that there will be **no historic properties affected** at this location by the issuance of the permit because “the nature, scope, and magnitude of the work, and/or structures to be permitted are such that there is little likelihood that a historic property exists or may be affected” (33 CFR Part 325, Appendix C.3.b).

6. **Endangered Species:** The project occurs in a heavily disturbed urban area. There is no forested habitat, wet prairie or stream habitat that could contain any listed species for Polk County. Therefore, this project will have No Effect on any Federally listed species.

7. **Dredge/Fill Material Guidelines:** The evaluation of the impact of the proposed activity on the public interest will also include application of the guidelines promulgated by the Administrator of the United States Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act (40 CFR Part 230).

8. **Public Interest Review:** The decision whether to issue the Corps permit will be based on an evaluation of the probable impact including cumulative impacts 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 reasonably may be expected to 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 values, fish and wildlife values, flood hazards, floodplain values, 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.

9. Who Should Reply: The Corps of Engineers 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. Any comments received will be considered by the Corps of Engineers 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. These statements should be submitted on or before the expiration date specified at the top of page 1. These statements should bear upon the adequacy of plans and suitability of locations and should, if appropriate, suggest any changes considered desirable.

10. Public Hearing Requests: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided.

11. Reply to the Corps. Comments concerning the Corps permit should be addressed to the District Engineer, US Army Corps of Engineers, Rock Island District, ATTN: RD-W (Frohlich), Clock Tower Building - Post Office Box 2004, Rock Island, Illinois 61204-2004. For additional information contact **Mr. Albert Frohlich (309/794-5859)** or email: Albert.J.Frohlich@usace.army.mil.

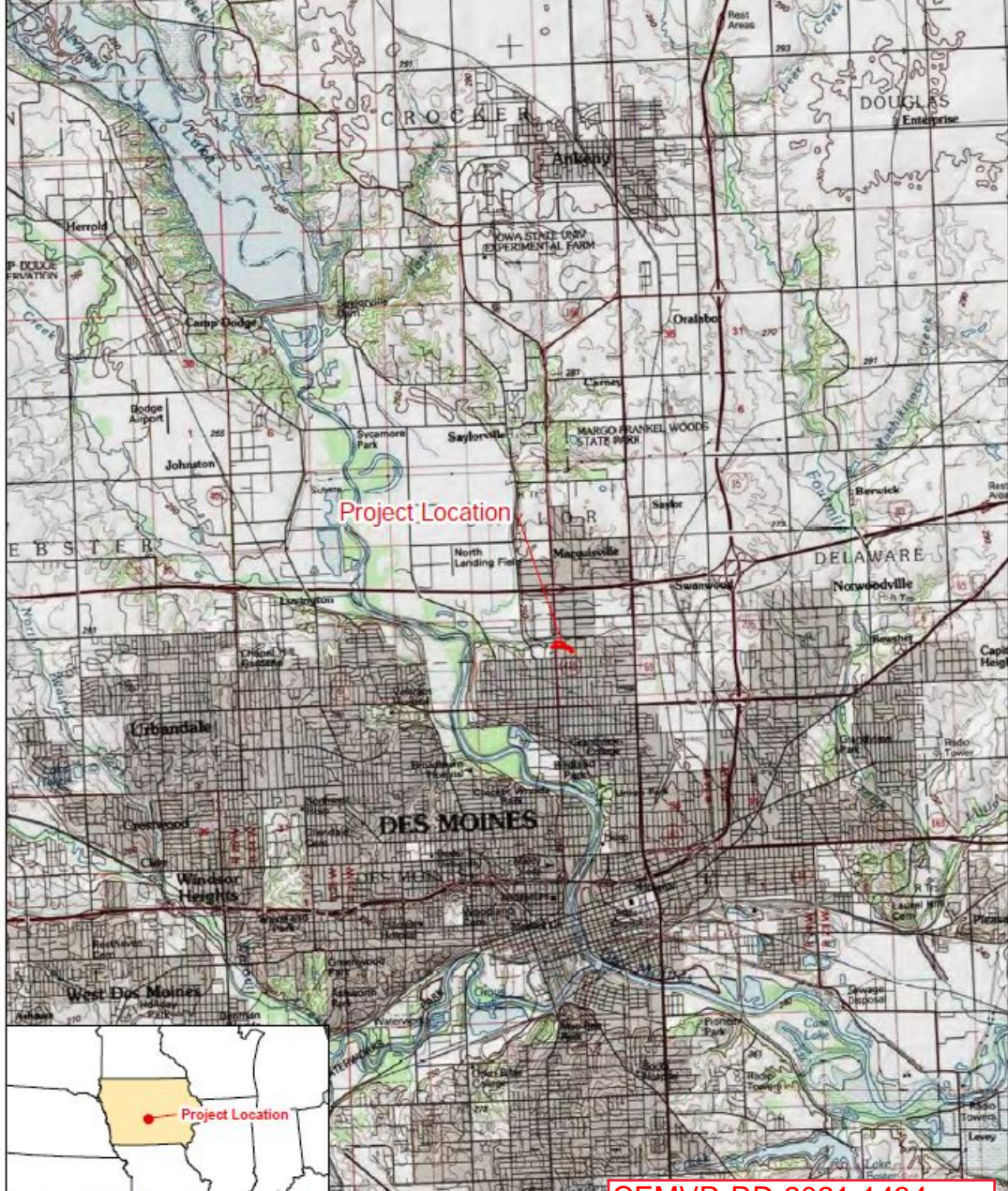


Mr. Albert J. Frohlich
Project Manager, Western Branch
Regulatory Division

Attach
Plan

REQUEST TO POSTMASTERS: Please post this notice conspicuously and continuously until the expiration date specified at the top of page 1.

NOTICE TO EDITORS: This notice is provided as background information for your use in formatting news stories. This notice is not a contract for classified display advertising.



Project Location

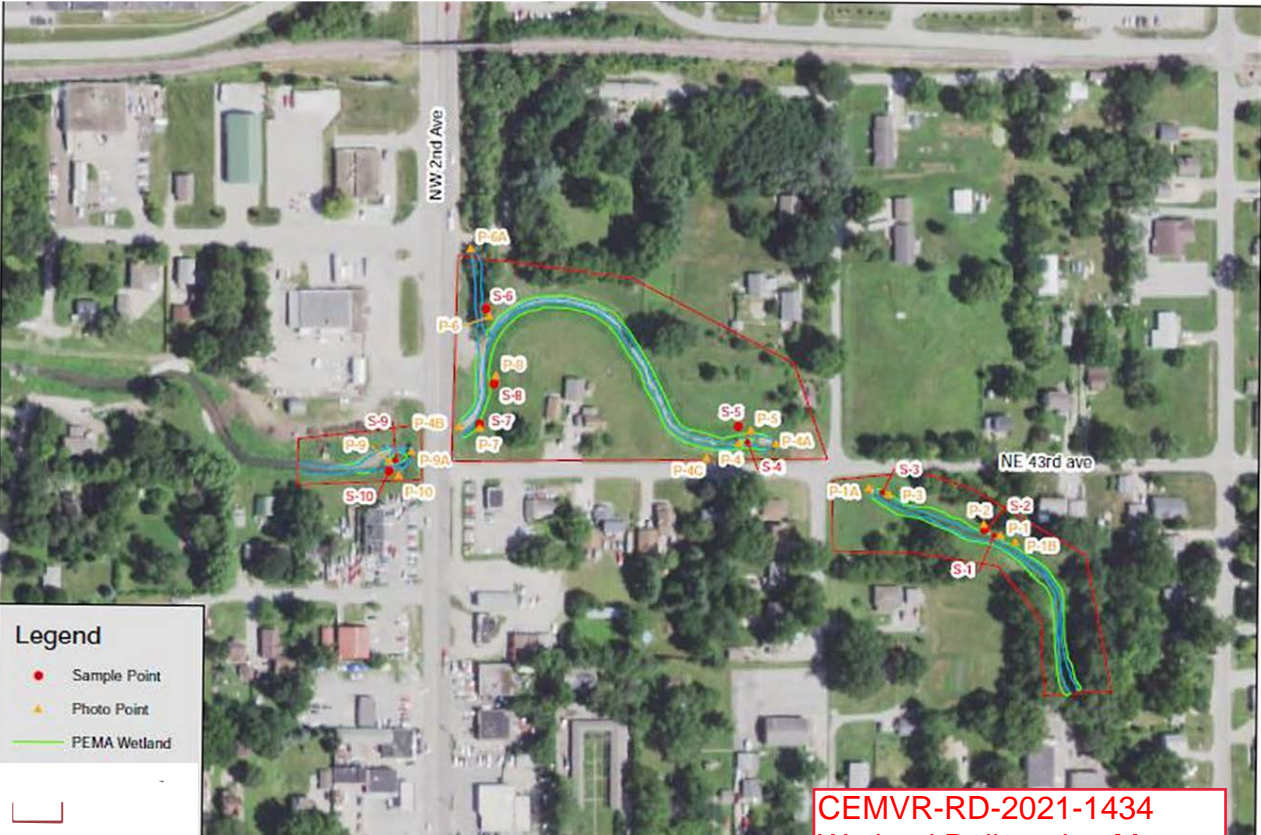
ESRI Basemap Imagery



Hamilton Drain Storm Sewer Improvements
City of Des Moines
Polk County, IA



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Project Location
Sheet 1 of 4



- Legend**
- Sample Point
 - ▲ Photo Point
 - PEMA Wetland

**CEMVR-RD-2021-1434
Wetland Delineation Map
Sheet 2 of 4**

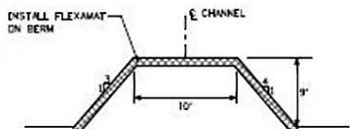
©19 NAIP Polk County Imagery



43RD BASIN EARTHWORK
 CLASS 10 CUT = 19,025 CY
 CLASS 10 FILL = 1,714 CY
 WASTE = 17,311 CY
 TOPSOIL STRIP, SALVAGE
 AND SPREAD (8") = 2,881 CY
 TOPSOIL IMPORT = 72 CY



TYPICAL CHANNEL SECTION



TYPICAL BERM SECTION

STREAM LOSS QUANTITIES
 0.0416 AC SURFACE AREA
 AND 148 LINEAR FEET

INSTALL BERM

INSTALL CHANNEL

43RD BASIN

N. BASELINE ST.

NE 43RD AVENUE

HAMILTON DRAIN

NE 43RD AVENUE BASIN
 NOVEMBER 16, 2021

LEGEND

- STREAM LOSS (148 LF)
- STREAM LOSS (0.0416 ACRES)
- PROPOSED GRADING



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Project Details
Sheet 3 of 4



PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING/REMARKS
CANOPY TREES						
CO	4	<i>Corylus colurna</i>	TURKISH FILBERT	1.5" CAL	8' HT	SPECIMEN QUALITY
LT	3	<i>Liriodendron tulipifera</i>	TULIP TREE	1.5" CAL	8' HT	SPECIMEN QUALITY
NS	4	<i>Nyssa sylvatica</i>	BLACKGUM	1.5" CAL	8' HT	SPECIMEN QUALITY

SEED MIXES

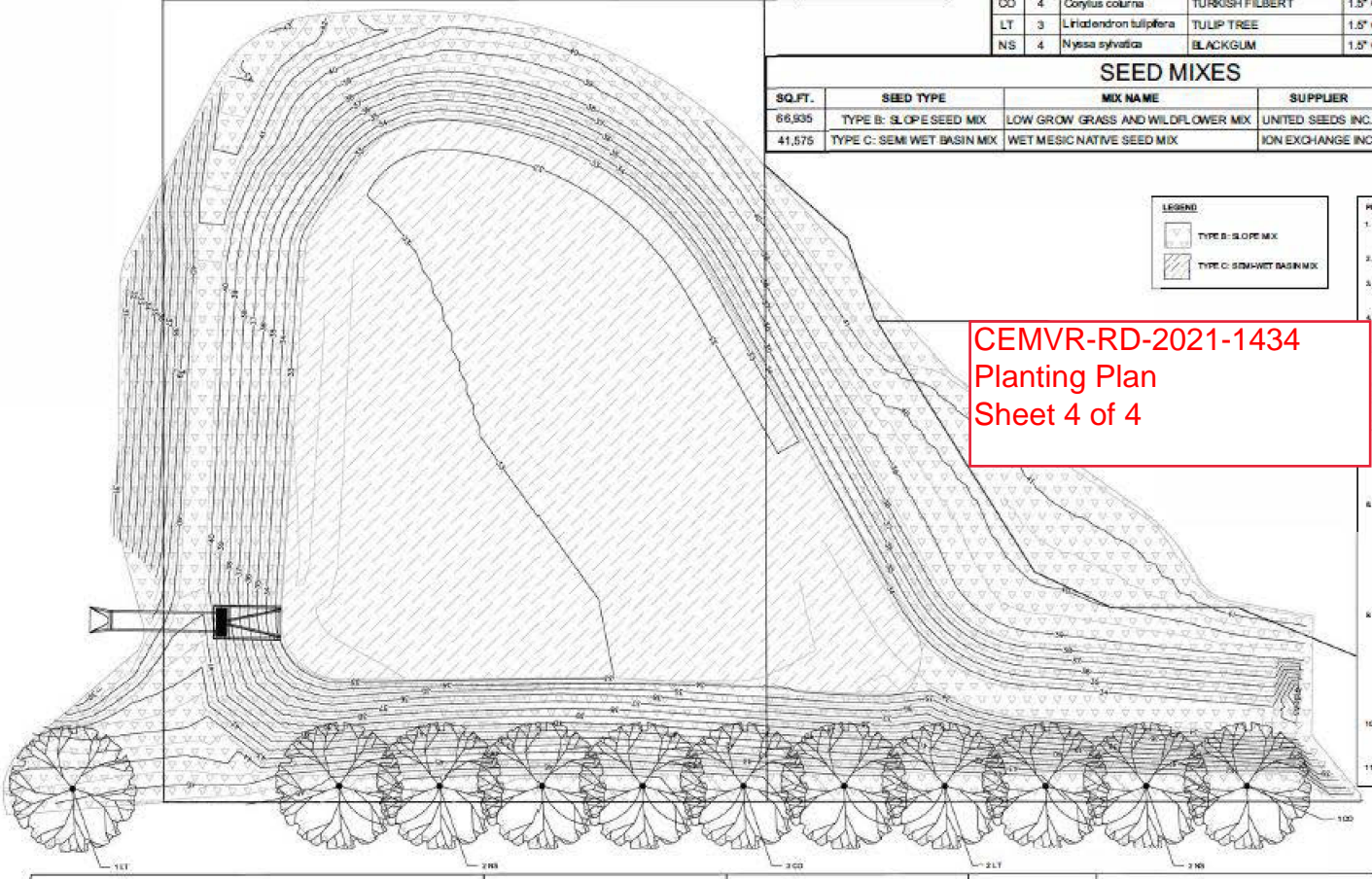
SQ.FT.	SEED TYPE	MIX NAME	SUPPLIER	SEED RATE	LBS SEED
66,935	TYPE B: SLOPE SEED MIX	LOW GROW GRASS AND WILDFLOWER MIX	UNITED SEEDS INC.	1 LBS/1,362 SQFT	49.10
41,575	TYPE C: SEMI WET BASIN MIX	WET MESIC NATIVE SEED MIX	ION EXCHANGE INC.	1 LBS/2,904 SQ.FT	14.32

LEGEND

- TYPE B: SLOPE MIX
- TYPE C: SEMI-WET BASIN MIX

- PLANTING NOTES**
1. SEE ALL AREAS WITHIN CONTRACT LIMITS NOT COVERED BY PAVING, SUBGRADE OR PLANTING. REEL, UNLESS OTHERWISE NOTED.
 2. PLANT QUANTITY AND PLANT INFORMATION (KEY, SPACING, BURL, INFLUVA, # OF COR-SET, ETC.) TO BE COMPLETED AND BEFORE PLANT PREPARE IS COMPLETED.
 3. NOTIFY LANDSCAPE ARCHITECT AFTER SEEDING IS COMPLETED AND BEFORE PLANT PREPARE IS COMPLETED.
 4. CONTRACTOR SHALL PLACE BARRIERS/BERM WHICH PROTECT ALL SEEDING AND PLANTING. SEE TO ADEQUATE DEPTH.
- NOTE: SEE ARCHITECT QUALITY OF PLANT MATERIAL.** SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1-1983 OR MOST RECENT EDITION.
- THE CONTRACTOR SHALL REPORT SUBSTANDARD SOIL OR UNDESIRABLE PROBLEMS TO THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL SUBMIT PROFILES OF PROPOSED SEEDING, SEEDS, QUANTITIES AND VARIETY FOR ALL SEEDING. PROFILES AND VARIETY INFORMATION ARE AVAILABLE WITHIN 21 DAYS OF ORDER. SEEDING TO BE COMPLETED AND BEFORE PLANTING. ALL PLANT MATERIAL IS ESSENTIAL TO THE SPEC. COMPLY COMPLETE ON AND BEING ACCEPTANCE OF THE PROJECT.
5. SUBSTITUTIONS SHALL ONLY BE ALLOWED WHEN THE CONTRACTOR HAS IDENTIFIED ALL SEEDING FOR THE SPECIFIED MATERIAL. THE CONTRACTOR SHALL PROVIDE EVIDENCE THAT THE SPECIFIED MATERIAL IS NOT AVAILABLE. THE CONTRACTOR MUST PROVIDE EVIDENCE AND VARIETY OF SUBSTITUTION TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDERING OR PLANTING. SUBSTITUTIONS SHALL BE EQUIVALENT SIZE OF VARIETY OF PLANT HAVING SAME GENERAL CHARACTERISTICS. ALL SUBSTITUTIONS SHALL BE APPROVED BY WRITING BY LANDSCAPE ARCHITECT.
 6. ALL PLANT MATERIAL SHALL BE IN SEEDING GROWN, HEALTHY, WELL DEVELOPED AND FREE FROM DISEASE AND DEFECTS. PLANTING MATERIAL SHALL BE NORMAL FOR THE SPECIFIED SEEDING. SHALL BE LOCAL TO OR CLOSEST AVAILABLE NEARBY TO THE PLANT LIST. THE CONTRACTOR SHALL SUPPLY PLANT IN COMPLIANCE WITH SEEDING THE CONTRACTOR'S NORMAL SEEDING. PLANTING MATERIAL SHALL BE IDENTIFIED FOR EACH SEEDING. SEEDING SHALL BE IDENTIFIED BY SEEDING CONTRACTOR. THE SEEDING CONTRACTOR SHALL PROVIDE EVIDENCE OF SEEDING CONTRACTOR'S SEEDING.
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Planting Plan
Sheet 4 of 4



01 43RD AVENUE BASIN

