

ADDENDUM No. 2

ITB No. 4561

WTP LIME RESIDUAL REMOVAL CONTRACT No. 2 – DREDGING AND HAULING

Bids Due: February 4, 2019 at 2:00 P.M. (Local Time)

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for WTP – Lime Residual Removal Project Contract No. 2 – Dredging and Hauling, ITB No. 4561, on which proposals will be received on/or before Monday, February 4, 2019 at 2:00 P.M. (local time).

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes twelve (12) pages.**

Bidder is to acknowledge receipt of this Addendum No. 2, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum will be considered nonconforming.

The following forms provided within the ITB document must be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

Bids that fail to provide these completed forms listed above upon bid opening will be rejected as non-responsive and will not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here. Changes to the original text are bolded and italicized.

<u>Section/Page(s)</u>	<u>Change</u>
All mentions	The Due Date and Time for responses to this ITB has been extended as follows: Bid Due Date: Thursday, January 31, 2019 at 2:00 p.m. Monday, February 4, 2019 at 2:00 p.m.
Bid Form	Section 1 - Replace with attached. (2 pages)
01 11 00	Summary of Work – Paragraph 1.01.B Delete “no fewer than 8,000 dry tons of”

01 11 00

Paragraph 1.04.C. – Replace with the following:

C. Key Contract Dates:

<i>Milestone</i>	<i>Completion Date</i>	<i>Liquidated Damage</i>
<i>• Substantial Completion (including removal of lime residual from lagoon)</i>	<i>Dec. 31, 2019</i>	<i>\$500/day</i>
<i>• Demobilization of Equipment from WTP</i>	<i>Jan. 31, 2020</i>	<i>\$500/day</i>
<i>• Final Completion (including flushing, cleanup, and restoration of both sites)</i>	<i>May 1, 2020</i>	<i>\$500/day</i>

01 27 00

Schedule of Unit Prices – Replace with attached (2 pages)

01 50 00

Temporary Facilities – Replace paragraph 2.01.B with the following:

B. Water: Potable water service will be available for purchase through OWNER from a nearby hydrant or other means. CONTRACTOR shall be responsible for coordinating connections for temporary potable water service.

01 50 00

Paragraph 2.01.B. Add subitems 1,2, and 3 as follow:

1. Use of an approved double check backflow assembly shall be required. CONTRACTOR shall obtain backflow assembly, hydrant meter, and vandal-resistant hydrant meter cage from the City of Ann Arbor Customer Services Unit, and coordinate installation of equipment. CONTRACTOR shall pay current market price of approximately \$11.50 per 1,000 gallons for all water usage from the lagoon hydrant. Water used at the WTP for dewatering will be at no cost to the CONTRACTOR.

2. All City water use shall be metered. CONTRACTOR to provide daily reports of consumption.

3. CONTRACTOR shall be responsible for providing any and all required hose and for protecting the hoses from damage. CONTRACTOR shall prevent vehicles from driving over the hose by utilizing a ramp system, routing the hose to avoid conflicts, or by other approved means.

3. The CONTRACTOR shall protect the plant water connection, fire hydrant, and backflow preventer from freezing and damage. Any hydrant used by the CONTRACTOR shall be pumped down by the CONTRACTOR to prevent freezing. If the fire hydrant becomes frozen, or is not properly closed or pumped down, or otherwise damaged by the CONTRACTOR, it shall be repaired by the CONTRACTOR at no additional cost to the project. These costs are deemed to include the removal and replacement of pavement/sidewalk and any other items that are required to be removed and replaced in order to properly replace the fire hydrant.

02 24 50

Residual Dewatering and Disposal – Replace Paragraph 3.01.D.2 with the following:

2. Pay applications shall be submitted with all documentation and calculations showing the dry tonnage removed.

NOTE: Contract retainage will be upheld according to Section 16 of the General Conditions.

II. QUESTIONS AND ANSWERS

Q: Has the project been done before?

A: This project has not been done before. This lagoon dredging and hauling project has not been performed since the lagoon was constructed.

Note: This project is entirely separate from the Lime Residual Removal Contract for continuous removal of dewatered sludge from the WTP filter press operation.

Q: Please provide as-built drawings for the lagoon if they are available.

A: This is a natural lagoon impounded 80+ years ago. No as-built information is available.

Q: Will the owner guarantee there is 8000 dry tons to be removed?

A: There is more than 8,000 dry tons in the lagoon. Removal of 1-foot of sludge across the focus removal area as shown in the Contract Drawings will result in a yield of approximately 3,900 dry tons. The lagoon is many feet deep.

Q: Also, has this material ever been used for land application and is there a current permit to do so?

A: Contractor will be responsible for finding disposal location and taking care of required analytical testing and fees associated with disposal.

Q: Please identify the water hydrant locations that are available near the lagoon and the parking lot. Please provide the pressure and volume capacity for each hydrant.

A: Water is available at the fire hydrant near the lagoon as indicated in the drawings. Sufficient water can be provided at the WTP to complete required Work. Coordinate access with WTP staff.

Q: Will owner ensure lagoon water surface elevation will be same as stated in plans at time of work?

A: Owner makes no guarantee as to the surface water level of the lagoon. Level is typically controlled by the overflow height.

Q: Liquidated Damages – If the project is delayed beyond the 9/15/2018 “start date” presented, due to Trumpeter Swans, will a written extension be given in relation to liquidated damages for the specific instance?

A: Owner will be open to discussions for legitimate delays or work stoppages, including abnormal weather (force majeure). Per day Liquidated Damages are not intended to be tied to the quantity of lime removed.

Q: Please provide procedures used by city to ensure force main will be clear and unobstructed prior to starting.

A: Force main will be “pigged”, flushed and hydrostatically pressure tested to 100 psi under Contract 1.

Q: Will contractor be permitted to temporarily stage dewatered cake at an on-site holding area? Sludge holding area would be emptied daily.

A: Contractor work area is as denoted in the contract documents.

- Q: Will owner accept landfill weigh scales to be used for measurement and payment?
- A: Any commercial scale can be used for measurement with submittal of documentation of state certification.
- Q: Is power available at the plant for contractor use? If so, at what voltage and amperage? If available, will contractor be charged for power and if so, at what rate?
- A: Power at the plant should be furnished by the Contractor per Section 01 50 00.
- Q: Item 1d under 1.03 Work Sequence in Section 01 11 00 – Summary of Work, states “Contractor shall be responsible for dewatering force main pipe, and daily maintenance and flushing”. Please clarify what is expected in dewatering force main pipe and daily maintenance and flushing?
- A: Contractor is responsible for maintaining force main in an operational state for the duration of the project. Upon completion of the project contractor shall flush all lime solids from the force main and “pig” to ensure no solids remain in force main.
- Q: Are there any weight restrictions or unground piping under the parking lot area where the dewatering equipment will be setup? If so, please provide location, pipe size and depth information.
- A: No weight restrictions for the existing parking lot.
- Q: During the pre-bid meeting, road damage was discussed. Please confirm the contractor will not be held responsible for any road damage as long as the contractor obeys the weight limits.
- A: Preconstruction video will be used to document pavement condition. Areas for final pavement restoration are to be documented for restoration in Contract 3 and not be the responsibility of Contract 2.
- Q: Item 1.04A in Section 02 24 50 Residual Dewatering and Disposal states Tandem trucks will not be allowed. Please clarify owner’s definition of a tandem truck and why they cannot be used?
- A: Tandem as stated here refers to “double trailer” dump trucks. They are not permitted due to their required turning radius to access the WTP site.
- Q: Item 1.k under 1.03 Work Sequence in Section 01 11 00 - Summary of Work, states “Maintain soil erosion control measures left in place from Contract No. 1.” Please provide what measures will be left in place and will be required from the contractor to maintain measures.
- A: Contractor is required to provide and/or maintain all SESC required for the completion of the project Work. Some required measures will already be in place from Contract 1.
- Q: In the Closeout Section under work Schedule of Unit Prices, it states work required will include "removal of all temporary work items installed by Contract No. 1". Please clarify all of the temporary work items installed in Contract No 1 that will have to be removed?
- A: This refers to any SESC items left in place from Contract 1 for use in Contract 2.

Q: Please provide the carrying capacity of the existing line that will be used to return the filtrate water back to the lagoon.

A: See attached record drawings of the 30-inch storm sewer. (3 pages)

Q: In section 01 77 00 3.01 Final Cleaning A. It notes that the sewers and force main shall be flushed until clean water is observed and that after completion of flushing efforts, that the basin at the lagoon site shall be thoroughly cleaned. Please confirm that this flushing water can be returned to the lagoon; and, given the basin appears to be earthen with vegetation currently growing in it, to what extent does the City consider to be “thoroughly cleaned”?

A: Yes, flushing water may be returned to the lagoon. The basin shall be cleaned of any meaningful deposits of lime sludge and other trash as may have been flushed from the storm drain.

Respondents are responsible for any conclusions that they may draw from the information contained in the Addendum.

BID FORM

Section 1 – Schedule of Prices

Project: WTP Lime Residual Removal Project – Contract No. 2, Dredging and Hauling ITB No.: 4561

Bidder's Name: _____

Notes:

1. All bidders shall provide a Unit Price and Total Price for all bid items specified.
2. Quantities included in the bid table represent estimated quantities for different work. The CONTRACTOR shall be compensated for the actual number of items completed using the unit prices provided.
3. The City, at its sole discretion, may elect to delete any portion of the work delineated below, with no change to the unit prices provided. Work shall be determined based upon the availability of funds.
4. Any item not provided in the following list shall be considered incidental.
5. Contract shall be awarded based on the base bid or any combination of a base bid and alternate bid in any manner the City believes to be in its best interest.

Bid Items

BASE BID					
Item No.	Item Description	Qty	Unit	Unit Price	Total Price
1	General Conditions (Max, \$80,000)	1	LS	\$	\$
2	Audiovisual Coverage	1	LS	\$	\$
3	Soil Erosion and Sedimentation Control Plan	1	LS	\$	\$
4	Minor Traffic Control	1	LS	\$	\$
5	Residual Removal, Dewatering, Hauling and Disposal	6,000	Dry Ton	\$	\$
6	Closeout	1	LS	\$	\$
7	Certified Payroll Compliance and Reporting	1	LS	\$	\$
TOTAL BASE BID (ITEMS 1 THROUGH 7)					\$

Total Base Bid: _____ Dollars (\$ _____)

(Amount shall be shown in both words and figures. In case of a discrepancy, the amount shown in words shall govern.)

Alternates

Bidder shall list alternate bid item prices below. Alternate, if elected, will REPLACE Bid Item 5: Residual Removal, Dewatering, Hauling and Disposal in the Base Bid.

Alternate No. 1 – Residual Removal, Dewatering, Hauling and Disposal – Contractor defined Quantity

Total Price: _____ Dollars (\$_____)
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words shall govern.)

For _____ Dry Tons removed at a unit rate of

\$_____ Dollars / Dry Ton

SCHEDULE OF UNIT PRICES

Description: General Conditions, Max \$80,000
Payment: Lump Sum.
Measurement: Each.
Work Required: This item of work will be paid for on a pro rata basis at the time of each progress payment. Measurement will be based on the ratio between work completed during the payment period and the total contract amount. When all of the work of this Contract has been completed, the measurement of this item shall be 1.0 Lump Sum, minus any deductions incurred for inadequate performance as described herein. This amount will not be increased for any reason, including extensions of time, extras, and/or additional work.

The unit price for this item of work shall include all labor, material, and equipment costs to transport equipment to site, obtain Contractor's bonds, insurance and any permits, complete all site preparatory work including tree clearing, temporary grading, temporary facilities and all other operations and related work needed to begin work perform all the work specified in the Standard Specifications and as modified by this Detailed Specification.

Description: Audiovisual Coverage
Payment: Lump Sum.
Measurement: Each.
Work Required: As specified under Section 01 32 00 - Audiovisual Coverage.

Description: Soil Erosion and Sedimentation Control Plan
Payment: Lump Sum.
Measurement: Each.
Work Required: Includes all labor equipment, materials, and fees to complete and submit for approval a detailed Soil Erosion and Sedimentation Control plan from the City of Ann Arbor based on the planned operations of the selected methods for completing the project utilizing the provided construction site plan as a basis. Includes maintenance and periodic inspection and reporting for all BMPs throughout the course of the project and all related work.

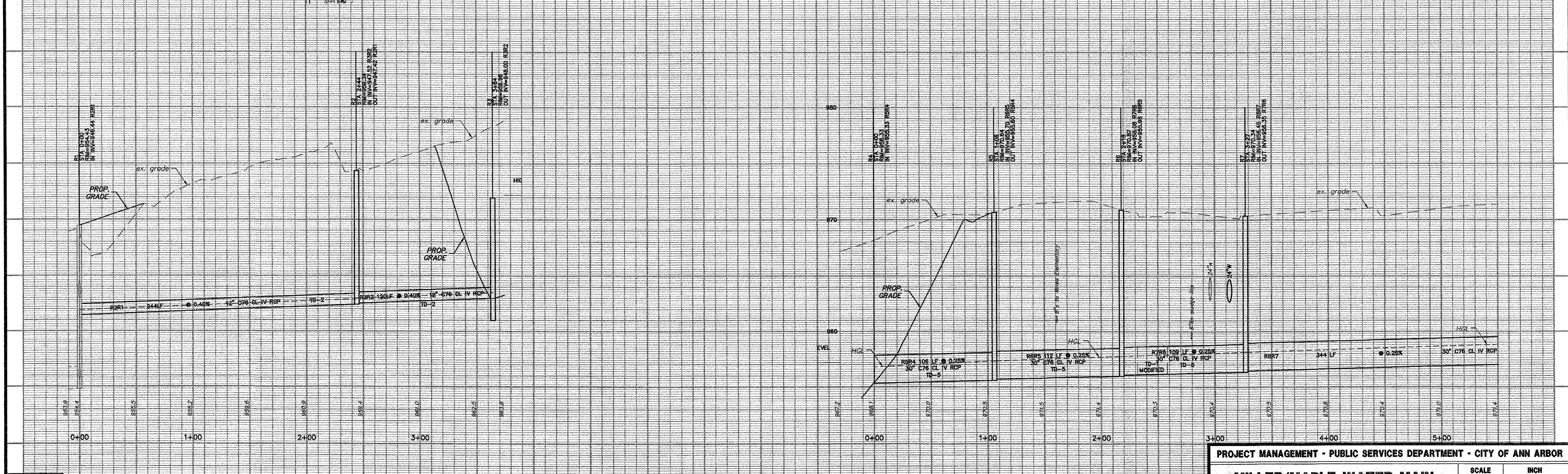
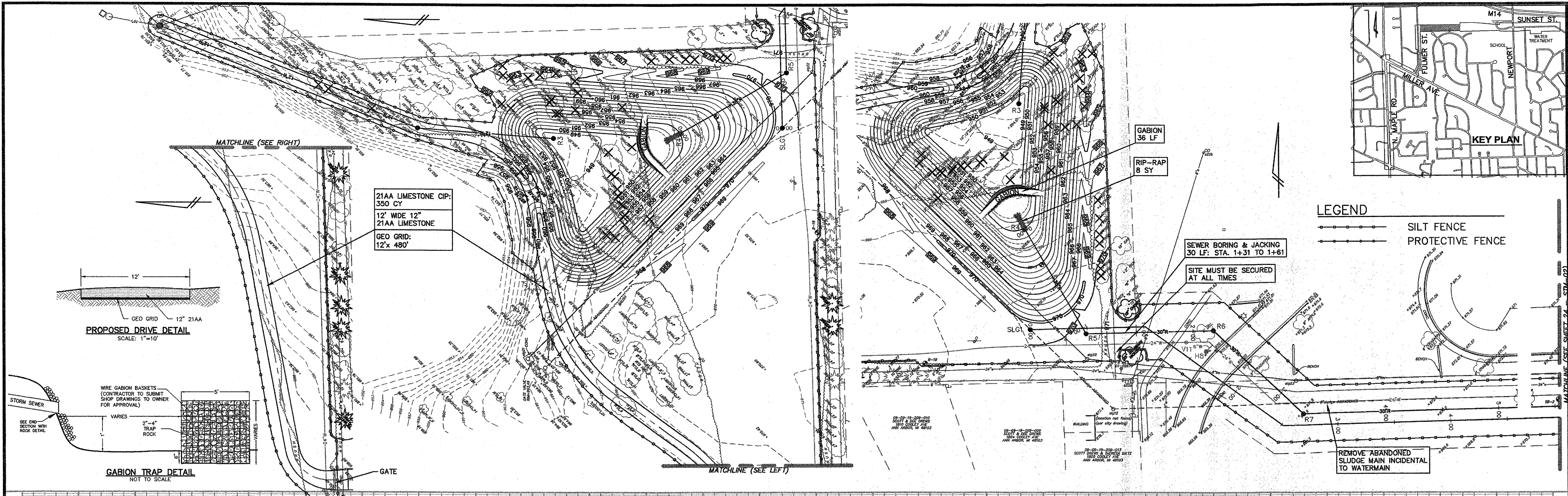
Description: Minor Traffic Control
Payment: Lump Sum.
Measurement: Each.
Work Required: Includes all labor, material and equipment costs to perform all the work described by the maintenance of traffic plan, including traffic and pedestrian detours, furnishing and operating speed limit control signs, and other miscellaneous traffic maintenance work as detailed in the drawings and specifications.

Description: Residual Removal, Dewatering, Hauling and Disposal
Payment: Dry ton for the quantity category as listed on the bid form.
Measurement: As calculated through the collection of truck weigh tickets, and moisture content sampling for each truckload hauled from the site. All removal above the target tonnage will be paid at the agreed upon unit price.
Work Required: Includes all labor, material, equipment, permitting, disposal and additional costs to perform all the work described as described in the contract documents, including removal of lime residuals from the lagoon, pumping of material to the WTP, dewatering, loading, safe handling, trucking and transportation from the City property to approved disposal sites, and all related work.

Description: Closeout
Payment: Lump Sum.
Measurement: Each.
Work Required: Includes all labor, equipment and materials to complete all site cleanup, including flushing and inspection of all storm sewers used to return filtrate to the lagoon, the basin at the lagoon site where filtrate was discharged, flushing and cleaning of the force main, removal of all temporary work items installed by Contract No. 1 and other work and operations needed to conclude and closeout work on the project per the contract documents.

Description: Certified Payroll Compliance and Reporting
Payment: Lump Sum.
Measurement: Each.
Work Required: The unit price for this item of work shall include all supervisory, accounting, administrative, and equipment costs needed to monitor and perform all work related to maintaining compliance with the tasks specified in this Detailed Specification, the City of Ann Arbor Code of Ordinances, its Prevailing Wage Compliance policy and the applicable Federal and State laws.
Payment for this work will be made with each progress payment, on a pro-rata basis, based on the percentage of construction completed. When all of the work of this contract has been completed, the measurement of this item shall be 1.0 times the Lump Sum bid amount. This amount will not be increased for any reason, including extensions of time, extra work, and/or adjustments to existing items of work.

END OF SECTION



PROJECT MANAGEMENT - PUBLIC SERVICES DEPARTMENT - CITY OF ANN ARBOR

MILLER/MAPLE WATER MAIN

STORM SEWER PLAN & PROFILE

OFF-ROAD

STA 00+00 TO 12+00

SCALE
HORIZ. 40'
VERT. 4'

DRAWING NO. STM-01

FILE NO. 2004-041

SHEET NO. 24 OF 39

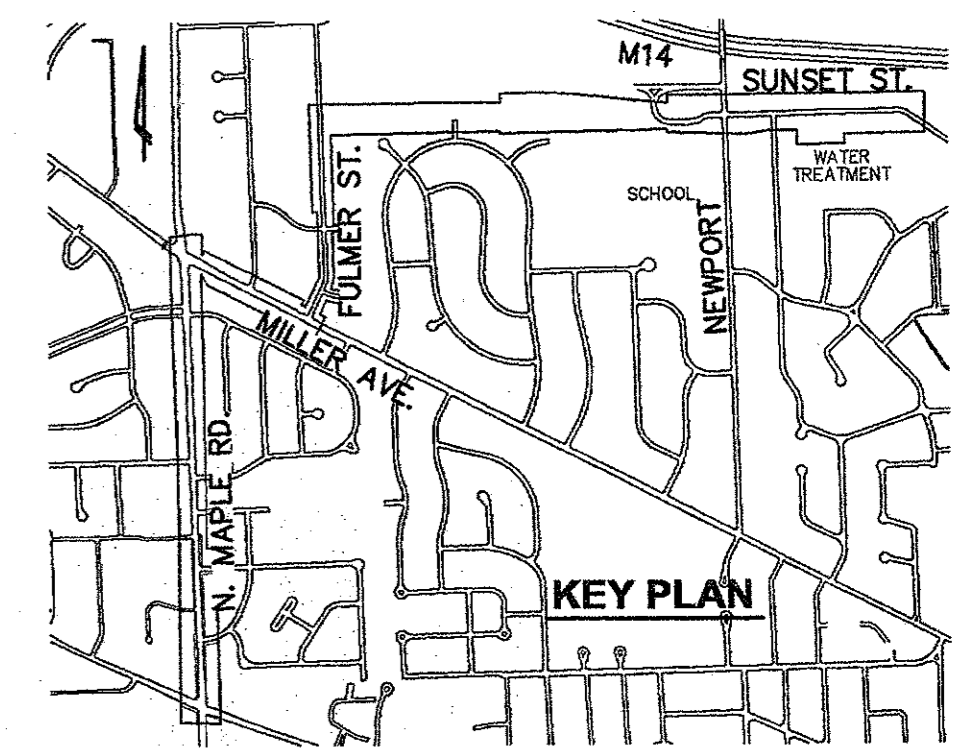
LEGEND

EXISTING FENCE	EXISTING SANITARY SEWER & MANHOLE	EXISTING TELEPHONE	EXISTING RD. & GRADE	PROPOSED SANITARY SEWER & MANHOLE	PROPOSED CURB & GUTTER	SEE ABOVE
CONTOUR	UTILITY POLE & GUY	GAS LINE	LEFT EDGE/RD. GRADE	GAS SEWER & CAT. BAS.	LANDMARK TREE & LABEL (BOLDER LINE THEN OTHERS)	BOOK
STORM SEWER & CAT. BAS.	FIRE HYDRANT ASSEMBLY	CABLE T.V.	RIGHT EDGE/RD. GRADE	WATER MAIN W/F.H. ASSEM.	EXISTING TREE TO BE REMOVED	BENCH MARK
WATER MAIN & VALVE-IN-WELL	LIGHT POLE	ELECTRIC	CURB & GUTTER	CONTOUR		SURVEY BOOK
WATER MAIN & VALVE-IN-BOX	END SECTION			ROAD & GRADE		REV. NO.

REV. NO.	DESCRIPTION	DATE	DR. BY	CH. BY
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REV	ORIGINAL ISSUE	11-30-07	RKY	SRG

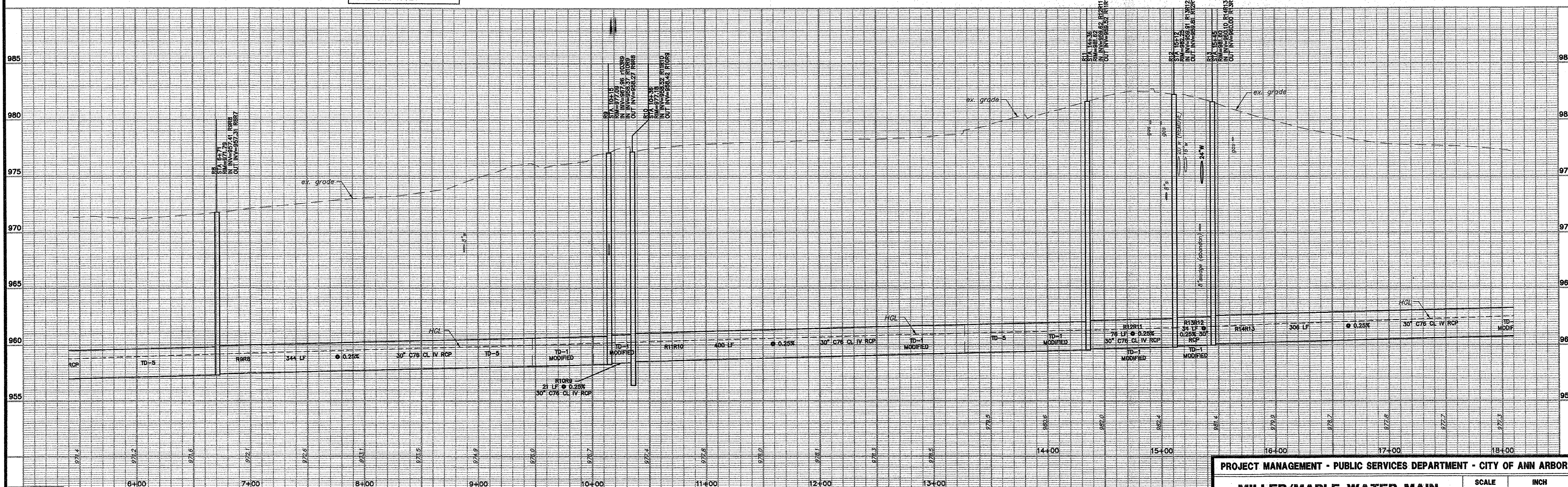
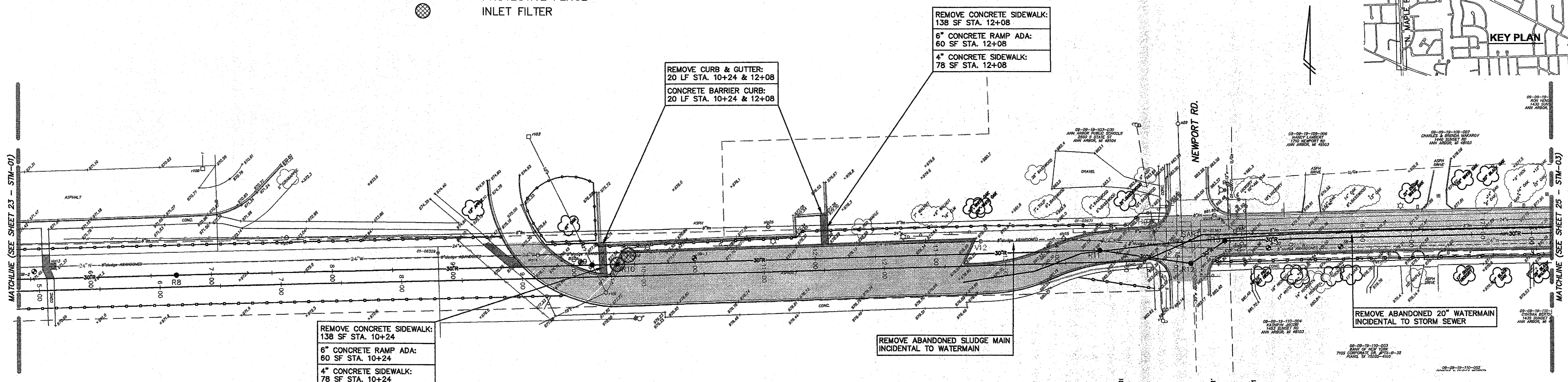
CONSULTANT: WASHTENAW ENGINEERING COMPANY

DWG FILE: 791-24-STM-01.dwg
JOB NO. 30791 **FILE NO. 9521**



LEGEND

- SILT FENCE
- PROTECTIVE FENCE
- INLET FILTER



- LEGEND**
- EXISTING FENCE
 - CONTOUR
 - STORM SEWER & CAT. BAS.
 - WATER MAIN & VALVE-IN-WELL
 - WATER MAIN & VALVE-IN-BOX

- EXISTING SANITARY SEWER & MANHOLE
- UTILITY POLE & GUY
 - FIRE HYDRANT ASSEMBLY
 - LIGHT POLE
 - END SECTION

- EXISTING TELEPHONE
- GAS LINE
 - CABLE T.V.
 - ELECTRIC

- EXISTING RD. & GRADE
- LEFT EDGE/RD. GRADE
 - RIGHT EDGE/RD. GRADE
 - CURB & GUTTER

- PROPOSED SANITARY SEWER & MANHOLE
- STORM SEWER & CAT. BAS.
 - WATER MAIN W/F.H. ASSEM.
 - CONTOUR
 - ROAD & GRADE

- PROPOSED CURB & GUTTER
- LANDMARK TREE & LABEL (BOLDER LINE THEN OTHERS)
 - EXISTING TREE TO BE REMOVED

- SEE ABOVE BOOK
- BENCH MARK SURVEY BOOK

REV. NO.	DESCRIPTION	DATE	DR. BY	CH. BY
1	CITY OF ANN ARBOR	12-16-07	JFR	SRG
REV	ORIGINAL ISSUE	11-30-07	RKY	SRG

PROJECT MANAGEMENT - PUBLIC SERVICES DEPARTMENT - CITY OF ANN ARBOR

MILLER/MAPLE WATER MAIN

STORM SEWER PLAN & PROFILE

OFF-ROAD

STA 12+00 TO 24+00

SCALE: HORIZ. 40', VERT. 4'

DRAWING NO. **STM-02**

FILE NO. 2004-041

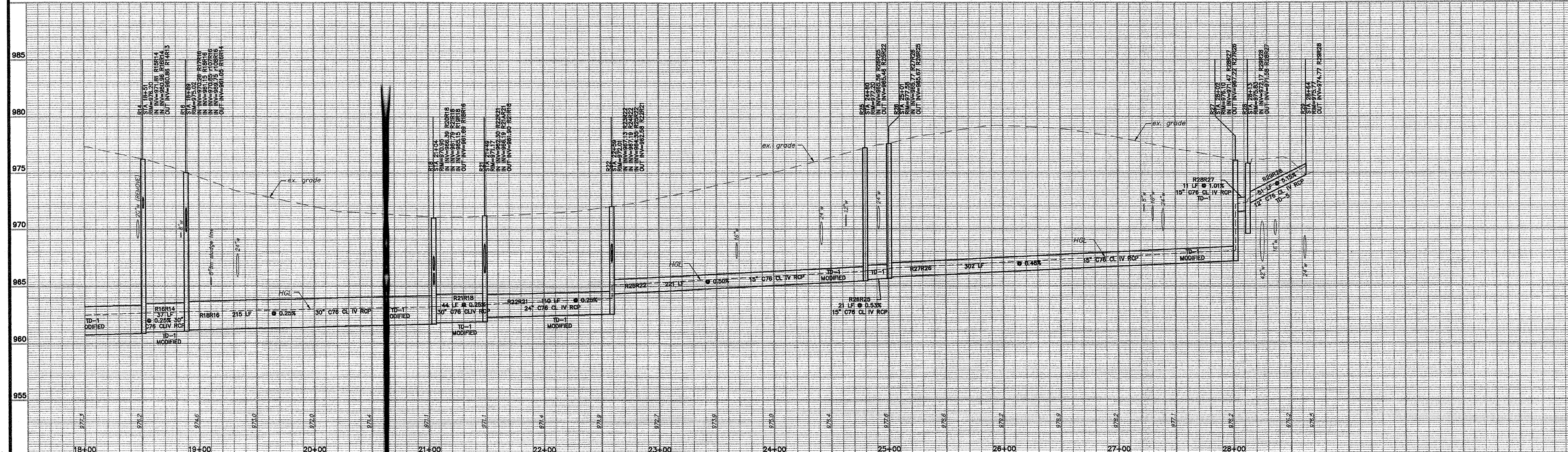
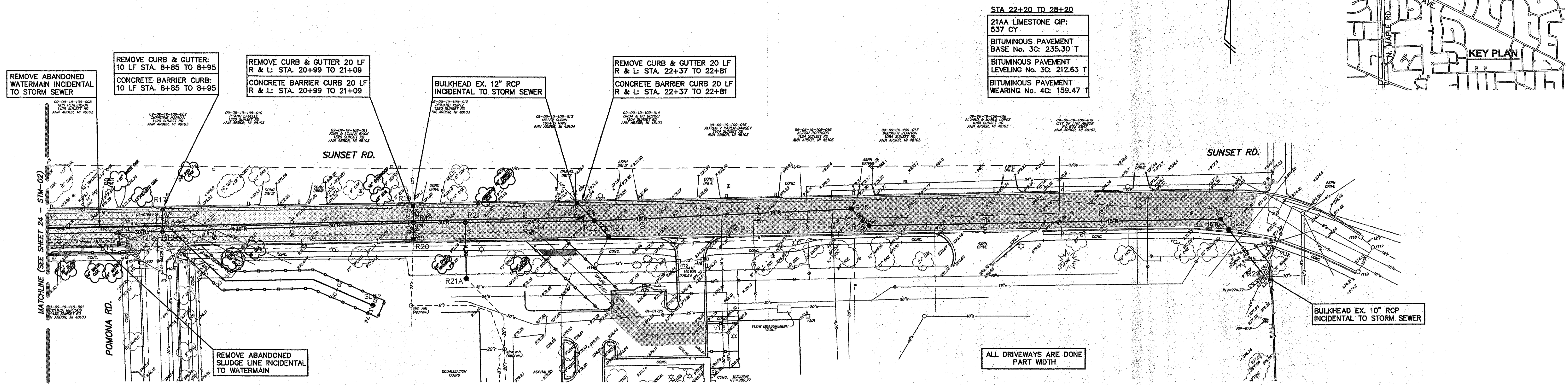
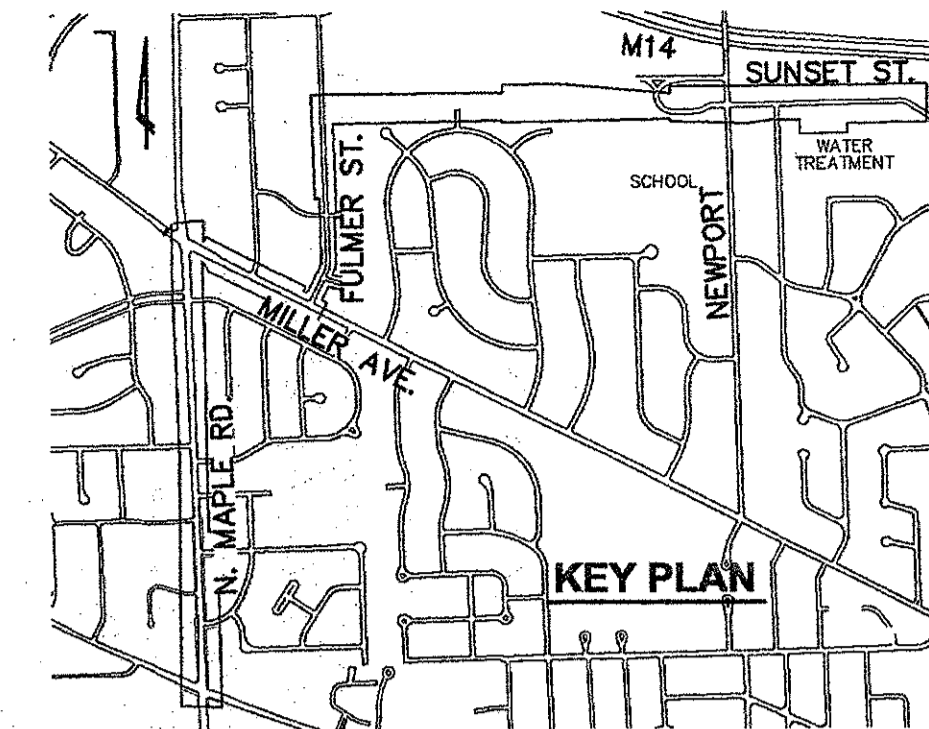
SHEET NO. 25 OF 39

CONSULTANT: WASHTENAW ENGINEERING COMPANY

DWG FILE: 791-25-STM-02-sludge JOB NO. 30791 FILE NO. 9521

LEGEND

- SILT FENCE
- PROTECTIVE FENCE
- INLET FILTER



LEGEND

- EXISTING FENCE
- CONTOUR
- STORM SEWER & CAT. BAS.
- WATER MAIN & VALVE-IN-WELL
- WATER MAIN & VALVE-IN-BOX
- EXISTING SANITARY SEWER & MANHOLE
- UTILITY POLE & GUY
- FIRE HYDRANT ASSEMBLY
- LIGHT POLE
- END SECTION
- EXISTING TELEPHONE
- GAS LINE
- CABLE T.V.
- ELECTRIC
- EXISTING RD. & GRADE
- LEFT EDGE/RD. GRADE
- RIGHT EDGE/RD. GRADE
- CURB & GUTTER
- PROPOSED SANITARY SEWER & MANHOLE
- STORM SEWER & CAT. BAS.
- WATER MAIN W/F.H. ASSEM.
- CONTOUR
- ROAD & GRADE
- SEE ABOVE
- BOOK
- BENCH MARK
- SURVEY BOOK

REV. NO.	DESCRIPTION	DATE	DR. BY	CH. BY
1	CITY OF ANN ARBOR	12-16-07	JFR	SRG
REV	ORIGINAL ISSUE	11-30-07	RKY	SRG

PROJECT MANAGEMENT - PUBLIC SERVICES DEPARTMENT - CITY OF ANN ARBOR

MILLER/MAPLE WATER MAIN

STORM SEWER PLAN & PROFILE

SUNSET ROAD

STA 24+00 TO 36+00

SCALE: HORIZ. 40' VERT. 4'

DRAWING NO. **STM-03**

FILE NO. 2004-041

SHEET NO. 26 OF 39

CONSULTANT: WASHTENAW ENGINEERING COMPANY

DWG FILE: 791-26-STM-03-sludge JOB NO. 30791 FILE NO. 9521