

	City OF DEXTER INVITATION TO BID
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BID TITLE:	2016 Sidewalk Replacement
BID DUE DATE:	WEDNESDAY, AUGUST 10, 2016 10:00 AM

ISSUING AGENCY INFORMATION	
ISSUED BY: City of Dexter, 8140 Main Street, Dexter, MI 48130	ISSUE DATE: 7-19-16
RETURN TO: City of Dexter Assistant to the City Manager Justin Breyer 8140 Main Street (mailing) 8123 Main Street (drop off) Dexter, MI 48130	Phone: (734) 426-8303 ext. 17 Fax: (734) 426-5614 Website: www.dextermi.gov

INSTRUCTIONS TO BIDDERS

COMPLETE THE INFORMATION BELOW AND RETURN THIS PAGE WITH YOUR BID AND ANY REQUIRED DOCUMENTS TO THE ADDRESS LISTED ABOVE UNDER "ISSUING AGENCY INFORMATION."

Alternate Bids: Vendors may submit alternate bids (a bid on services other than specified). Alternate bids are considered only if the vendor is the lowest responsible vendor on their primary bid. Bids must be clearly identified as "Primary" and "Alternate".

BIDDERS MUST COMPLETE THE FOLLOWING

PAYMENT TERMS: NET 30 DAYS	DELIVERY DATE:
BIDDER NAME/ADDRESS/CERTIFICATIONS:	AUTHORIZED BIDDER SIGNATORY (print and sign in ink):
BIDDER PHONE #:	BIDDER FAX #:
BIDDER EMAIL ADDRESS AND WEBSITE:	

IMPORTANT: SEE STANDARDS AND TERMS

**City OF DEXTER – 2016 SIDEWALK REPLACEMENT
STANDARD TERMS AND CONDITIONS**

By submitting a response to this invitation for bid, request for proposal, limited solicitation, or acceptance of a contract, the vendor agrees to acceptance of the following Standard Terms and Conditions and any other provisions that are specific to this solicitation or contract.

ACCEPTANCE/REJECTION OF BIDS, PROPOSALS, OR LIMITED SOLICITATION RESPONSES: The City reserves the right to accept or reject any or all bids, proposals, or limited solicitation responses, wholly or in part, and to make awards in any manner deemed in the best interest of the City. Bids, proposals, and limited solicitation responses will be firm for 30 days, unless stated otherwise in the text of the invitation for bid, request for proposal, or limited solicitation.

ACCESS AND RETENTION OF RECORDS: The contractor agrees to provide the City, or their authorized agents, access to any records necessary to determine contract compliance. The contractor agrees to create and retain records supporting the services rendered or supplies delivered for a period of three years after either the completion date of the contract or the conclusion of any claim, litigation, or exception relating to the contract.

ALTERATION OF SOLICITATION DOCUMENT: In the event of inconsistencies or contradictions between language contained in the City's solicitation document and a vendor's response, the language contained in the City's original solicitation document will prevail.

ASSIGNMENT, TRANSFER AND SUBCONTRACTING: The contractor shall not assign, transfer or subcontract any portion of the contract without the express written consent of the department.

COMPLIANCE WITH LAWS: The contractor must, in performance of work under the contract, fully comply with all applicable federal, state, or local laws, rules and regulations. Any subletting or subcontracting by the contractor subjects subcontractors to the same provision.

CONFORMANCE WITH CONTRACT: No alteration of the terms, conditions, delivery, price, quality, quantities, or specifications of the contract shall be granted without prior written consent of the City of Dexter. Supplies delivered which do not conform to the contract terms, conditions, and specifications may be rejected and returned at the contractor's expense.

E-MAIL/FACSIMILE RESPONSES: E-Mail and Facsimile responses will be not be accepted. Bids, or portions thereof, received after the due time will not be considered.

HOLD HARMLESS/INDEMNIFICATION: The contractor agrees to protect, defend, and save the City, its elected and appointed officials, agents, and employees, while acting within the scope of their duties as such, harmless from and against all claims, demands, causes of action of any kind or character, including the cost of defense thereof, arising in favor of the contractor's employees or third parties on account of bodily or personal injuries, death, or damage to property arising out of services performed or omissions of services or in any way resulting from the acts or omissions of the contractor and/or its agents, employees, representatives, assigns, subcontractors, except the sole negligence of the City, under this agreement.

LATE BIDS AND PROPOSALS: Regardless of cause, late bids and proposals will not be accepted and will automatically be disqualified from further consideration. It shall be solely the vendor's risk to assure delivery at the designated office by the designated time. Late bids and proposals will not be opened and may be returned to the vendor at the expense of the vendor or destroyed if requested.

RIGHT TO REJECT: The City has the right to reject bids and proposals with reason.

PAYMENT TERM: All payment terms will be computed from the date of delivery of supplies or services OR receipt of a properly executed invoice, whichever is later. Unless otherwise noted in the solicitation document, the City is allowed 30 days to pay such invoices.

TAX EXEMPTION: The City of Dexter is tax exempt (#38-6004671).

TERMINATION OF CONTRACT: Unless otherwise stated, the City may, by written notice to the contractor, terminate the contract in whole or in part at any time the contractor fails to perform the contract.

COMPLIANCE WITH WORKERS' COMPENSATION ACT

The Contractor is required to supply the City of Dexter with proof of compliance with the Workers' Compensation Act while performing work for the City of Dexter. Neither the Contractor nor its employees are employees of the City. The proof of insurance/exemption must be in the form of workers' compensation insurance, an independent contractor exemption, or documentation of corporate officer status and must be

received by the City, within 10 working days of the Notice of Award and must be kept current for the entire term of the contract.

CONTRACTS WILL NOT BE ISSUED TO VENDORS WHO FAIL TO PROVIDE THE REQUIRED DOCUMENTATION WITHIN THE ALLOTTED TIME FRAME.

CONTRACT TERMINATION

Termination for Cause. The City may, by written notice to the Contractor, terminate this contract in whole or in part at any time the Contractor fails to perform this contract.

INSURANCE REQUIREMENTS – BID/PROPOSAL

General Requirements: The Contractor shall maintain for the duration of the contract, at its cost and expense, insurance against claims for injuries to persons or damages to property, including contractual liability, which may arise from or in connection with the performance of the work by the Contractor, agents, employees, representatives, assigns, or subcontractors. This insurance shall cover such claims as may be caused by any negligent act or omission. All coverages shall be with insurance companies licensed and admitted to do business in the State of Michigan. All coverages shall be with insurance carriers acceptable to the City of Dexter, Michigan.

Primary Insurance: The Contractor's insurance coverage shall be primary insurance as respect to the City, its officers, officials, employees, and volunteers and shall apply separately to each project or location. Any insurance or self-insurance maintained by the City, its officers, officials, employees or volunteers shall be in excess of the Contractor's insurance and shall not contribute with it.

Specific Requirements for Commercial General Liability: The Contractor shall purchase and maintain occurrence coverage with combined single limits for bodily injury, personal injury, and property damage of \$300,000 per occurrence and \$1,000,000 aggregate per year to cover such claims as may be caused by any act, omission, or negligence of the Contractor or its officers, agents, representatives, assigns or subcontractors. Coverages shall include the following extensions: (a) Contractual Liability; (b) Products and Completed Operations; (c) Independent Contractor's Coverage; (d) Broad Form General Liability Extensions, or equivalent; (e) Deletion of all Explosion, Collapse and Underground (XCU) Exclusions, if applicable.

Additional Insured Status: The City, its officers, officials, employees, and volunteers are to be covered and listed as additional insureds; for liability arising out of activities performed by or on behalf of the Contractor, including the insured's general supervision of the Contractor; products and completed operations; premises owned, leased, occupied, or used.

Specific Requirements for Automobile Liability: The Contractor shall purchase and maintain coverage with limits of not less than \$300,000 per person (personal injury), \$1,000,000 per accident occurrence (personal injury), and \$100,000 per accident occurrence (property damage), OR combined single limits of \$1,000,000 per occurrence to cover such claims as may be caused by any act, omission, or negligence of the Contractor or its officers, agents, representatives, assigns or subcontractors. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.

Certificate of Insurance/Endorsements: Insurance must be placed with an insurer with a Best's rating of no less than A-. This insurance must be maintained for the duration of the contract. The City must receive all required certificates and endorsements within 10 days from the date of the Notice of Award before a contract will be issued. Work may not commence until a contract is in place. The Contractor must notify the City immediately, and no less than 30 days, of any material change in insurance coverage, such as changes in limits, coverage, change in status of policy, etc. The City reserves the right to require complete copies of insurance policies at all times.

Proof of Insurance Coverage: The contractor shall provide the City of Dexter, Michigan, at the time contracts are returned for execution, certificates and policies listed below:

- A. Certificate of Insurance for Worker's Compensation Insurance;
- B. Certificate of Insurance for Commercial Liability Insurance;
- C. Certificate of Insurance for Automobile Liability Insurance;
- D. Original Policy, or Original Binder pending insurance policy, or Owner's & Contractor's Protective Liability Insurance;
- E. If so requested, certified copies of all policies mentioned above will be furnished.

Hold Harmless: (Page HHA-1) of this contract shall be executed by the contractor and submitted no later than 10 days following the Notice of Award and acceptance of the contract.

2016 SIDEWALK REPLACEMENT - PROJECT SCOPE

Project Location:

City of Dexter

Permitted Activity:

Replacement of sidewalks in the attached listings (1, 2, and 3).

Contractor Requirements:

Contractors bidding must be qualified to complete the work as proposed.

City Staff will perform the inspection of the project.

Scope of Project:

City Council is scheduled to award the bid on August 22, 2016. The work shall be started as soon as possible following this date and must be completed by October 15, 2016.

COMPANY NAME:	
PLEASE PROVIDE THE COMPANIES/SUPERVISORS QUALIFICATIONS AND EXPERIENCE PERFORMING SUCH WORK. MUNICIPAL REFERENCES ARE REQUIRED:	
IDENTIFY MEMBERSHIP IN RELEVANT PROFESSIONAL ORGANIZATIONS:	
LIST BID CONTINGENCIES/CONDITIONS/DEVIATIONS:	
TOTAL BID PRICE (unit price sheet must also be completed and attached):	
START DATE:	END DATE:
TERMS:	
<i>BID MUST BE FIRM IN ACCORDANCE WITH PLANNED SCHEDULE</i>	F.O.B CITY OF DEXTER

HOLD HARMLESS AGREEMENT

"To the fullest extent permitted by law, _____, agrees to defend, pay in behalf of, indemnify, and hold harmless the City of Dexter, its elected and appointed officials, employees and volunteers and others working for or in behalf of the City of Dexter, against any and all claims, demands, suits, or loss, including all costs connected therewith, and for any damages which may be asserted, claimed or recovered against or from the City of Dexter, its elected and appointed officials, employees, volunteers or others working in behalf of the City of Dexter, by reason of personal injury, including bodily injury and death; and/or property damage, including loss of use thereof, which arises out of or is in any way connected or associated with this Contract."

Signature

Date

CITY OF DEXTER

2016 SIDEWALK BID ATTACHMENT 1 – BID FORM



JULY, 2016



ARCHITECTS. ENGINEERS. PLANNERS.

Company Name: _____

ATTACHMENT 1: CONTRACTOR'S QUOTATION

TO BE SUBMITTED TO THE CITY OF DEXTER BY NO LATER THAN August 10, 2016 at 10:00 AM EDT

<u>Item</u>	<u>Description</u>	<u>Approximate Quantity</u>		<u>Unit Cost</u>	<u>Total Cost</u>
1	Remove Sidewalk and Pavement*	900	Syd	\$_____	\$_____
2	Concrete Curb and Gutter, Rem*	260	Ft	\$_____	\$_____
3	Aggregate Base, 21AA, 4 inch*	110	Syd	\$_____	\$_____
4	Concrete Sidewalk Ramp, 6 inch*	1,050	Sft	\$_____	\$_____
5	Concrete Sidewalk, 4 inch*	6,500	Sft	\$_____	\$_____
6	Concrete Sidewalk, 6 inch*	1,300	Sft	\$_____	\$_____
7	Concrete Curb & Gutter, Mountable*	260	Ft	\$_____	\$_____
8	3" Topsoil, Seeding Mix Type THM and Mulch*	300	Syd	\$_____	\$_____
9	Detectable Warning Surface*	105	Ft	\$_____	\$_____
10	Project Earthwork	1	LS	\$_____	\$_____
11	Station Grading	2	Sta	\$_____	\$_____
12	Irrigation Repair and Site Clean-up	1	LS	\$_____	\$_____
13	Incidental Costs	1	LS	\$_____	\$_____
TOTAL ESTIMATED COST (BID ITEMS 1-13)					\$_____

BID ALTERNATE (DAPCO INDUSTRIES)

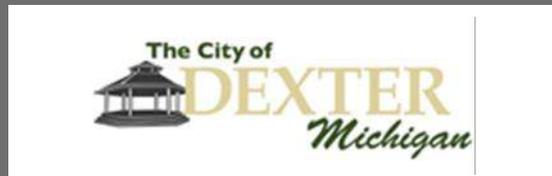
2a	Concrete Curb and Gutter, Rem*	50	Ft	\$_____	\$_____
3a	Aggregate Base, 21AA, 4 inch*	440	Syd	\$_____	\$_____
4a	Concrete Sidewalk Ramp, 6 inch*	250	Sft	\$_____	\$_____
5a	Concrete Sidewalk, 4 inch*	3700	Sft	\$_____	\$_____

7a	Concrete Curb & Gutter, Mountable*	50	Ft	\$ _____	\$ _____
8a	3" Topsoil, Seeding Mix Type THM and Mulch*	875	Syd	\$ _____	\$ _____
9a	Detectable Warning Surface*	25	Ft	\$ _____	\$ _____
10a	Station Grading	8	Sta	\$ _____	\$ _____
TOTAL ESTIMATED ALT COST (BID ITEMS 2a-5a, 7a-10a)					\$ _____

*Quantities rounded up for bidding purposes.

CITY OF DEXTER

2016 SIDEWALK BID ATTACHMENT 2 – METHOD OF PAYMENT



JULY, 2016



ARCHITECTS. ENGINEERS. PLANNERS.

**ATTACHMENT 2
METHOD OF PAYMENT FOR UNIT PRICE ITEMS**

Prices and Measurement

Payment for work under this contract will be based on a unit price or lump sum for work actually completed. Final measurements of the work will be taken by the Engineer to determine the amount of work done and thereby determine the total cost. The method of applying the unit prices to measured quantities will be as herein specified. Payment will include the cost of all labor, tools, materials, and equipment necessary to do the work.

Several items may have been included in the bid form but may not be called for on the plans. These items have been included in order to establish a unit price in the event that the item of work is necessary. The Contractor should be aware that these items may increase, decrease, or be zero based on field conditions, or Owner direction

The quotation will require the following items of work:

Item 1. Remove Sidewalk & Pavement

The completed work as measured for REMOVE SIDEWALK AND PAVEMENT will be paid for at the contract unit price for the following contract item (pay item):

<u>Pay Item</u>	<u>Pay Unit</u>
Remove Sidewalk and Pavement	square yard

Concrete sidewalk removal shall be measured in place by area in square yards. The removal area shall be based upon the average length and width measurements as determined in the field by the Construction Observer. The contract unit price shall be payment in full for all labor, material and equipment required to sawcut, remove, and properly dispose of the sidewalk and ramps off site. The contract unit price shall apply to sidewalk and pavement of any thickness.

Item 2. Remove Concrete Curb and Gutter

The completed work as measured for REMOVE CONCRETE CURB AND GUTTER will be paid for at the contract unit price for the following contract item (pay item):

<u>Pay Item</u>	<u>Pay Unit</u>
Concrete Curb and Gutter, Rem	feet

Concrete curb and gutter removal shall be measured along the gutter line in linear feet.

The contract unit price shall be payment in full for all labor, materials and equipment required to sawcut, remove, and properly dispose of the concrete curb and gutter offsite.

Item 3. Aggregate Base, 4 inch

The completed work as measured for AGGREGATE BASE COURSE will be paid for at the contract unit price for the following contract items (pay items):

<u>Pay Item</u>	<u>Pay Unit</u>
Aggregate Base, 21AA, 4 inch	square yard

Aggregate base course shall be measured in place by square yards. The area shall be based upon the average length and width measurements of the aggregate placement area as determined by the Construction Observer. Depth measurements will be taken as necessary in order to verify the aggregate base course thickness.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to place, grade, and compact the aggregate base course materials. Any earth excavation, subgrade preparation, or material disposal that is required for the aggregate base course placement shall be considered as incidental to the work unless separate pay items have been included in the bid form for earthwork.

Item 4. Sidewalk Ramp, Conc, 6 inch

The completed work as measured for CONCRETE SIDEWALK RAMP will be paid for at the contract unit price for the following contract item (pay item):

<u>Pay Item</u>	<u>Pay Unit</u>
Concrete Sidewalk Ramp, 6 inch	square feet

Concrete sidewalk ramps shall be measured in place and shall be paid for based upon the length and width measurements of the sidewalk ramp area as determined by the Construction Observer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to construct sidewalk of the required thickness in accordance with the plan details. Furnishing, placing, and compacting a 4-inch thick sand base shall be considered as incidental to the sidewalk placement. Any necessary excavation, backfill, and disposal of excess materials shall also be considered as incidental to the sidewalk ramp construction.

Item 5.6. Sidewalk, Conc, 4 and 6 inch

The completed work as measured for CONCRETE SIDEWALK will be paid for at the contract unit price for the following contract item (pay item):

<u>Pay Item</u>	<u>Pay Unit</u>
Concrete Sidewalk, 4 inch	square feet
Concrete Sidewalk, 6 inch	square feet

Concrete sidewalk shall be measured in place and shall be paid for based upon the length and width measurements of the sidewalk ramp area as determined by the Construction Observer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to construct sidewalk of the required thickness in accordance with the plan details. Any necessary excavation, backfill, and disposal of excess materials shall also be considered as incidental to the sidewalk ramp construction.

Item 7. Concrete Curb and Gutter

The completed work as measured for CONCRETE CURB & GUTTER will be paid for at the contract unit price for the following contract items (pay items):

<u>Pay Item</u>	<u>Pay Unit</u>
Concrete Curb & Gutter, Mountable	feet

Concrete curb & gutter shall be measured in place by linear feet. The length shall be measured along the gutter line from end of curb to end of curb.

The contract price shall be payment in full for all labor, materials, and equipment necessary to construct the concrete curb and gutter in accordance with the plan details. Any excavation, subgrade compaction, backfilling behind the curb, disposal of excess materials, joints, curing compound, and placement of curb drops shall be considered as incidental to the curb and gutter construction.

Item 8: Surface Restoration

The completed work as measured for SURFACE RESTORATION will be paid for at the contract unit price for the following contract items (pay items):

<u>Pay Item</u>	<u>Pay Unit</u>
3" Topsoil, Seeding Mix Type THM and Mulch	square yard

Surface Restoration with seed shall be measured in place by square yards and shall be based upon the average length and width measurements of the restored area as determined by the Construction Observer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to furnish and place the topsoil, seed, and mulch or topsoil and sod as called for on the plans and

specifications. Watering seed or sod until vigorous turf growth is established shall be considered as incidental to the surface restoration work.

Application of mulch anchoring shall be considered as incidental to the placement of the mulch.

Item 9: Detectable Warning Surface

The completed work as measured for DETECTABLE WARNING SURFACES will be paid for at the contract unit price for the following contract item (pay item):

<u>Pay Item</u>	<u>Pay Unit</u>
Detectable Warning Surface	foot

Detectable Warning Surfaces will be measured in place by linear foot as determined by the construction observer.

The contract unit price shall include all labor, material, and equipment necessary to place the detectable warning strips across the width of each sidewalk ramp.

Item 10,11. Grading

The completed work as measured for PROJECT EARTHWORK will be paid for at the contract unit price for the following contract items (pay items):

<u>Pay Item</u>	<u>Pay Unit</u>
Project Earthwork	lump sum
Station Grading	sta.

The contract lump sum price for Project Earthwork shall be payment in full for all labor, materials, and equipment necessary to perform all earthwork necessary for the construction of the project where station grading is not called for. Project earthwork lump sum price shall include items such as excavating, grading, and compacting earth as well as stockpiling and finish grading. Furnishing, grading, and compacting suitable embankment material as well as removing excess or unsuitable material shall also be considered as part of project earthwork. In addition, removing topsoil and vegetation, root trimming, clearing, brushing, and removal of trees under 6 inches in diameter shall be considered as part of the work.

The contract unit price for station grading shall be payment in full for all labor, materials, and equipment necessary to perform all earthwork for construction of the sidewalk. The contract unit price shall include items such as removing topsoil and vegetation, excavating, grading, and compacting earth along the pathway route, stockpiling, sterilizing the subgrade, and finish grading. Furnishing, grading, and compacting suitable embankment material as well as removing excess or unsuitable material shall also be considered as part of the Station Grading. In addition, root trimming, clearing, brushing, and removal of trees under 6 inches in diameter shall be considered as part of the work. The pay item applies only to the sidewalk construction for the DAPCO Industries sidewalk and the Alpine Street sidewalk construction. The pay item is measured along the centerline of the sidewalk and is paid by the station (1 station = 100 lineal feet).

Item 12: Incidental Costs

Several items related to the work will be required from the Contractor. These are listed below:

Incidental Costs

The completed work as measured for INCIDENTAL COSTS will be paid for at the contract unit price for the following contract item (pay item):

<u>Pay Item</u>	<u>Pay Unit</u>
Incidental Costs	lump sum

The lump sum price of Incidental Costs includes Mobilization, Traffic Maintenance and Control and Soil Erosion and Sedimentation Control.

Mobilization:

Mobilization shall include all preparatory work and operations which may include, but is not limited to, the following items:

1. The movement of personnel, equipment, supplies, and incidentals to the project site.
2. The establishment of the Contractor's offices, buildings, and other facilities to work on the project.
3. Other work and operations that must be performed.
4. Expenses incurred, prior to beginning work on the various contract items on the project site.
5. Pre-construction costs, exclusive of bidding costs, which are necessary direct costs to the project rather than directly attributable to other pay items under the contract.
6. Permits, bonds, etc.

When the percentage of the original contract amount earned is less than 5 percent, the costs of project specific bonding, insurances, and permits will be reimbursed when a paid invoice is received by the Engineer. The costs of these will then be made in accordance with the Partial Payment Schedule shown below. The original contract amount is the total value of all contract items including the mobilization item. The percentage earned is exclusive of the mobilization item. The total sum of all payments for this item shall not exceed the original contract amount bid for mobilization, regardless of the fact that the Contractor may have, for any reason, shut down his work on the project, moved equipment away from the project and then back again, or for additional quantities or items of work added to the contract.

Soil Erosion and Sedimentation Control:

The contract lump sum price shall be payment in full for all labor, materials, and equipment necessary to furnish, install, and maintain soil erosion control measures in compliance with applicable laws and permit requirements. Maintenance work will include removal and replacement of soil erosion control items as directed by the Engineer. Removal of erosion control measures, accumulated sediment, and debris upon completion of the project shall be considered as included as part of the work. Up to 50% of the contract lump sum price will be paid upon satisfactory installation of the soil erosion control measures. The remaining 50% will be paid upon final acceptance of the project. Restoration of disrupted areas shall be paid for separately under the appropriate surface restoration pay items.

Traffic Maintenance and Control:

The contract lump sum price shall be payment in full for all labor, materials, and equipment necessary to furnish, install, and maintain all signs, cones, barricades, flagging, etc. as required by the Michigan Manual of Uniform Traffic Control Devices and the Supplemental Specifications. Removal of any temporary signs or other traffic control equipment upon completion of the project shall be considered as incidental to the traffic maintenance and control work.

Item 13: Irrigation Repair and Site Clean-up

The completed work as measured for IRRIGATION AND PROJECT CLEANUP will be paid for at the contract unit price for the following contract item (pay item):

<u>Pay Item</u>	<u>Pay Unit</u>
Irrigation Repair and Project Cleanup	lump sum

Irrigation Repair and Project cleanup shall be paid for on a lump sum basis. The contract unit price shall be payment in full for all labor, materials, and equipment necessary to repair irrigation systems and remove and properly dispose of all debris from the work zone.

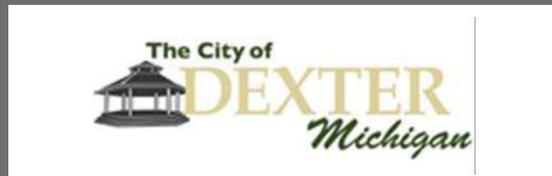
The work shall also include repair of any irrigation systems damaged by the contractor during the construction process. The irrigation repair work shall include, but not be limited to, repair,

replacement, and removal of broken sprinkler heads, sprinkler assemblies, transmission lines, or any other irrigation fixture.

The cleanup work shall include, but not be limited to, sweeping of paved surfaces as well as removal of debris such as old fencing, bricks, broken concrete, trash, logs, rocks, fallen timber, brush, and scrap materials. Clean out of any existing culverts, sewers, and drainage structures shall also be considered as included in the project clean-up work.

CITY OF DEXTER

2016 SIDEWALK BID ATTACHMENT 3 – SUPPLEMENTAL SPECIFICATIONS



JULY, 2016



ARCHITECTS. ENGINEERS. PLANNERS.

**ATTACHMENT 3
SUPPLEMENTAL SPECIFICATIONS**

CONSTRUCTION STANDARDS

It is the intention of these specifications to construct all work in accordance with applicable requirements of the City of Dexter, the Washtenaw County Road Commission, the Washtenaw County Water Resources Commissioner, the Michigan Department of Environmental Quality, and the Michigan Department of Transportation, these specifications, and the plans referenced herein. Where there is a conflict between any of the aforementioned specifications and the permit requirements of the agency controlling the respective utility or rights-of-way, the more restrictive shall govern.

INCIDENTAL CONTRACT ITEMS

All items of work noted on the plans or in the specifications that are not specifically noted in the Bid Form as a pay item shall be considered included in the pay items provided for the construction of the project and shall be constructed at no extra cost to the OWNER.

HOURS OF WORK

Work may be performed during the hours of 7:00 a.m. to 7:00 p.m., Monday through Saturday only. Work at other times may be performed only by written permission of the OWNER.

TESTING & SAMPLING

The CONTRACTOR shall furnish all samples of materials necessary for tests as determined by the ENGINEER or the Construction Observer. All samples taken for analysis and tests shall be taken in such a manner as to be truly representative of the entire lot under test. The CONTRACTOR shall furnish such assistance and facilities as the ENGINEER may require for collecting, storing or curing samples. Where materials tests are to be performed by the manufacturer, the certificates of approval shall be submitted to the ENGINEER. The cost of all such testing by manufacturers shall be incidental to the project. Additional required tests on materials in place shall be made at the expense of the OWNER, unless otherwise stipulated.

The OWNER's Agent shall arrange for and furnish testing services as provided by an acceptable independent laboratory as part of this Contract. These services shall be as follows, in addition to the testing requirements noted in the General Conditions:

All concrete shall be slump and air tested, with cylinders taken (as noted above) in compliance with the current MDOT Standard Specifications for Construction. Concrete will be held to current MDOT Standard Specifications for Construction regarding time and temperature, if concrete exceeds these limits, it will be rejected.

There may be areas with uncompacted fill material or organic materials; as a result, all areas within the influence of proposed pavement shall be proof rolled as a minimum, to the satisfaction of the ENGINEER. Some testing may be required.

All aggregate base and pavement shall be tested for compaction. A reputable firm, approved by the ENGINEER shall extensively test all such areas with a nuclear densimeter. In addition, all utility crossings and the areas immediately adjacent to any structures in the pavement shall be specifically tested. Areas which fail shall be compacted further and retested. Failure to pass a second test shall be reason to undercut and refill the area, as directed by the ENGINEER, with careful attention to compaction.

STAKING

Due the nature of the work matching existing grades, the CONTRACTOR will be responsible for all construction layout necessary to construct ramps in accordance with ADA standards and MDOT standard details.

TRAFFIC MAINTENANCE AND CONTROL

A. General

During the course of construction, provisions must be made to maintain access for emergency vehicles at all times. Where possible and when directed by the ENGINEER, all streets must be left open to traffic at the end of each working day. Traffic maintenance and control as defined in this section shall be considered as included in the unit bid prices or lump sum bid prices that are given in the Bid Form.

All work for maintaining traffic and control shall be in accordance with Section 812 of the 2012 MDOT Standard Specifications for Construction and the current edition of the Michigan Manual of Uniform Traffic Control Devices, (MMUTCD). The Contractor shall also comply with work zone sign requirements as described in Public Act 315 of 2003.

The CONTRACTOR shall conduct his operations and use of equipment in such a manner that traffic will be maintained throughout the entire length of the project. When conditions are such as to warrant variations from this requirement, the procedure to be followed shall be approved by the ENGINEER prior to such procedure being put into effect.

The CONTRACTOR shall furnish, erect and maintain all barricades, signs and lights as required according to the current edition of the MMUTCD. Flagmen shall also be provided by the CONTRACTOR as necessary to protect the vehicular and pedestrian traffic and the work within the work zone areas. CONTRACTOR shall be responsible for notifying concerned parties such as Police, Fire, and school officials if a road closure and/or detour will be in effect. The CONTRACTOR shall notify the same parties when the road has been reopened.

Once work on a particular utility is begun, the CONTRACTOR must continue his work to completion. The OWNER will not permit random movements of work operations among the project area that tend to confuse traffic patterns.

B. Provision for Local Traffic

During the progress of the work, the CONTRACTOR shall accommodate both local vehicular and pedestrian traffic along the roads.

Access to all residences and businesses shall be maintained except as noted on the plans or as directed by the ENGINEER.

The CONTRACTOR's truck and equipment operations on public streets shall be governed by all local traffic ordinances and regulations of the Fire and Police Departments, the OWNER, Washtenaw County Road Commission, and Michigan Department of Transportation.

C. Existing Warning and Regulatory Signs

Wherever possible, all existing signs on this project are to be preserved and maintained as incidental to the project.

Where it is not possible to preserve existing traffic control signs and street name signs, they shall be removed, temporarily reset and maintained by the CONTRACTOR. Upon completion of the project, the CONTRACTOR will reset traffic control signs and street name signs in the proper position.

In cases where new signs are called for, they shall be placed in accordance with the requirements outlined elsewhere in the Contract Documents.

Any new or existing signs damaged by the CONTRACTOR shall be replaced in kind by him at no additional cost to the OWNER.

D. Lane Closures and Detours

Any lane closures or detours shall be approved by the OWNER and the appropriate governing agency, and shall meet their specifications and standards as well as those of the MMUTCD. Where there are conflicts, the more restrictive requirement shall apply. If any type of closure is to occur during twilight or darkness, proper lighting will be required.

E. Construction Signs and Barricades

Warning signs and barricade configurations shall meet the requirements of the OWNER, the Washtenaw County Road Commission, and the Michigan Department of Transportation.

The CONTRACTOR shall not begin any operation on the project until all required signs and barricades have been set.

All signs to be used during twilight or darkness shall be reflectorized, in good condition, with two continuous flashing lights.

The construction site shall at all times be maintained and left in a clean, neat, and safe condition, including any construction signing.

After working hours, signs that are not appropriate shall be covered and/or removed so that motorists will not be confused. The CONTRACTOR shall also remove and replace or cover (where practical) existing traffic signs that may conflict with the proposed construction.

USE OF WATER

CONTRACTOR shall not make a connection to any fire hydrant without first obtaining the necessary permit (meter) from City of Dexter. The CONTRACTOR shall not utilize residential hoses under any circumstances. The CONTRACTOR shall be charged for all water used.

ASPHALT AND CONCRETE PAVEMENT CONSTRUCTION

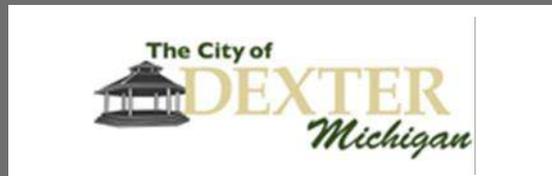
Asphalt and concrete pavements shall be constructed in accordance with the 2012 MDOT Standard Specifications for Construction unless otherwise indicated in the Supplemental Specifications, Appendix, plan notes, or plan details.

SPECIAL LANDSCAPING REQUIREMENTS

All landscaping must be returned to the condition it was in before construction. All grass, topsoil, flowers, and landscape features shall be replaced and debris shall be removed and disposed of in kind by the CONTRACTOR with no additional cost to the OWNER.

CITY OF DEXTER

2016 SIDEWALK BID ATTACHMENT 4 – PROJECT LOGS



JULY, 2016



ARCHITECTS. ENGINEERS. PLANNERS.

Sidewalk and Curb and Gutter Replacement Log

Intersection	Sidewalk, Rem	Curb and Gutter, Rem	6" Conc Ramp	4" Conc	Curb and Gutter	Warning Surface
	(Syd)	(Ft)	(Sft)	(Sft)	(Ft)	(Ft)
Carrington and Lexington (1)	50	40	150	300	40	20
Carrington and Lexington (2)	42	60	148	300	60	20
Bristol and Wellington	16	11	70	69	11	5
Bristol and Kingsley E	17	13	51	116	13	5
Bristol and Kingsley W	23	15	50	200	15	5
Ulrich and Ryan	34	20	100	105	20	10
Palmer and View	17	20	136	150	20	10
Meadowview and Lake	43	30	150	225	30	15
Wilson and Oliver	39	40	100	150	40	10
Edison Street Park	0	5	0	100	5	0
	281	254	955	1,715	254	100

Intersection	Comments
Carrington and Lexington W	NW, SW and SE Quadrants
Carrington and Lexington E	SE and SW Quadrants
Bristol and Wellington	NE Quadrant
Bristol and Kingsley E	SE Quadrant
Bristol and Kingsley W	SE Quadrant
Ulrich and Ryan	West and South Quadrants
Palmer and View	South and East Quadrants
Meadowview and Lake	North and East Quadrants
Wilson and Oliver	See Attached Aerial
Edison Street Park	See Attached Aerial

Spot Sidewalk Repair Log

Address	Length	4" Conc	6" Conc	Toe catch	Comments
	(ft)	(Sft)	(Sft)		
438 Cambridge	40	200	50	x	
429 Cambridge	0	0	25		
431 Cambridge	5	25	25		manhole
6956 Wellington	5	25	0	x	
6915 Wellington	20	100	0	x	
6935 Wellington	45	225	0		
6918 Kingsley	30	150	0	x	
6922 Kingsley	15	75	100	x	
402 Cambridge	10	50	120	x	
7253 Eaton Ct	10	50	100	x	
Eaton Ct	10	50	0		By Meadow View
Eaton Ct	15	75	0	x	between MV and first condo
7261 York	15	0	75	x	manhole
7237 York	10	50	0	x	
7235 Ulrich	10	50	0	x	
7070 Ulrich	5	25	50	x	manhole
3522 Meadow View	5	25	100	x	flag bad
7448 Lake	15	0	75		
3517 Noble	10	50	0		
Ryan	15	75	50		by chevy dealer
7217 Wilson	65	325	100		
7223 Wilson	20	0	100		
3241 Eastridge	15	75	0		
8420 Parkridge	0	0	100	x	
8251 Webster	10	50	0	x	
3227 Glacier	15	75	0	x	
8211 Bridgeway	10	50	0	x	
8220 Bridgeway	10	50	0	x	
3223 Boulder Ct.	25	125	0	x	
3232 Boulder Ct.	15	75	50	x	
3374 Broad	15	75	0		
3532 Central	10	50	0	x	
3019 Hudson		350	100		
3411 Hudson	50	250	0		on 4th
3295 Central	15	75	0	x	corner of 5th
7439 Wall Ct	15	75	0	x	
Forest	35	175	0		7 flags into City property
8035 Forest	10	50	0	xx	
Dan Hoey & AA	5	25	0	x	
3170 Baker	15	75	0	x	
Mill Creek Park	50	250	0		
8214 Webster	10	50	0		
Dan Hoey at MCMS	30	150	0		corner and by hand holes
		3,775	1,220		

DAPCO Industries Proposed Sidewalk

Location	Curb and Gutter, Rem	Aggregate Base, 21AA, 6 inch	6" Conc Ramp	4" Conc	Curb and Gutter	Warning Surface	Station Grading
	(Ft)	(Syd)	(Sft)	(Sft)	(Ft)	(Ft)	(sta)
Sidewalk Near Dan Hoey	50	437	250	3686	50	25	8

Alpine Street Proposed Sidewalk

Location	Curb and Gutter, Rem	Aggregate Base, 21AA, 6 inch	6" Conc Ramp	4" Conc	Curb and Gutter	Warning Surface	Station Grading
	(Ft)	(Syd)	(Sft)	(Sft)	(Ft)	(Ft)	(sta)
Alpine Sidewalk	0	70	125	600	0	0	2

CITY OF DEXTER

2016 SIDEWALK BID ATTACHMENT 5 – SIDEWALK LAYOUT SKETCHES



JULY, 2016



ARCHITECTS. ENGINEERS. PLANNERS.

ATTACHMENT 5: SIDEWALK RAMP REMOVAL AND REPLACEMENT AREAS

*All sidewalk in attachment 4 is not shown to scale or proper dimensions. It is merely shown as a representation of where sidewalk reconstruction is needed. Proper size and location will be determined in the field by a city inspector/engineer.



2016 DEXTER CONCRETE BID
SIDEWALK RAMP REPLACEMENT AREAS
CONCEPTUAL RAMP LAYOUTS

SCALE	H:	V:
	SHEET	
	OF	



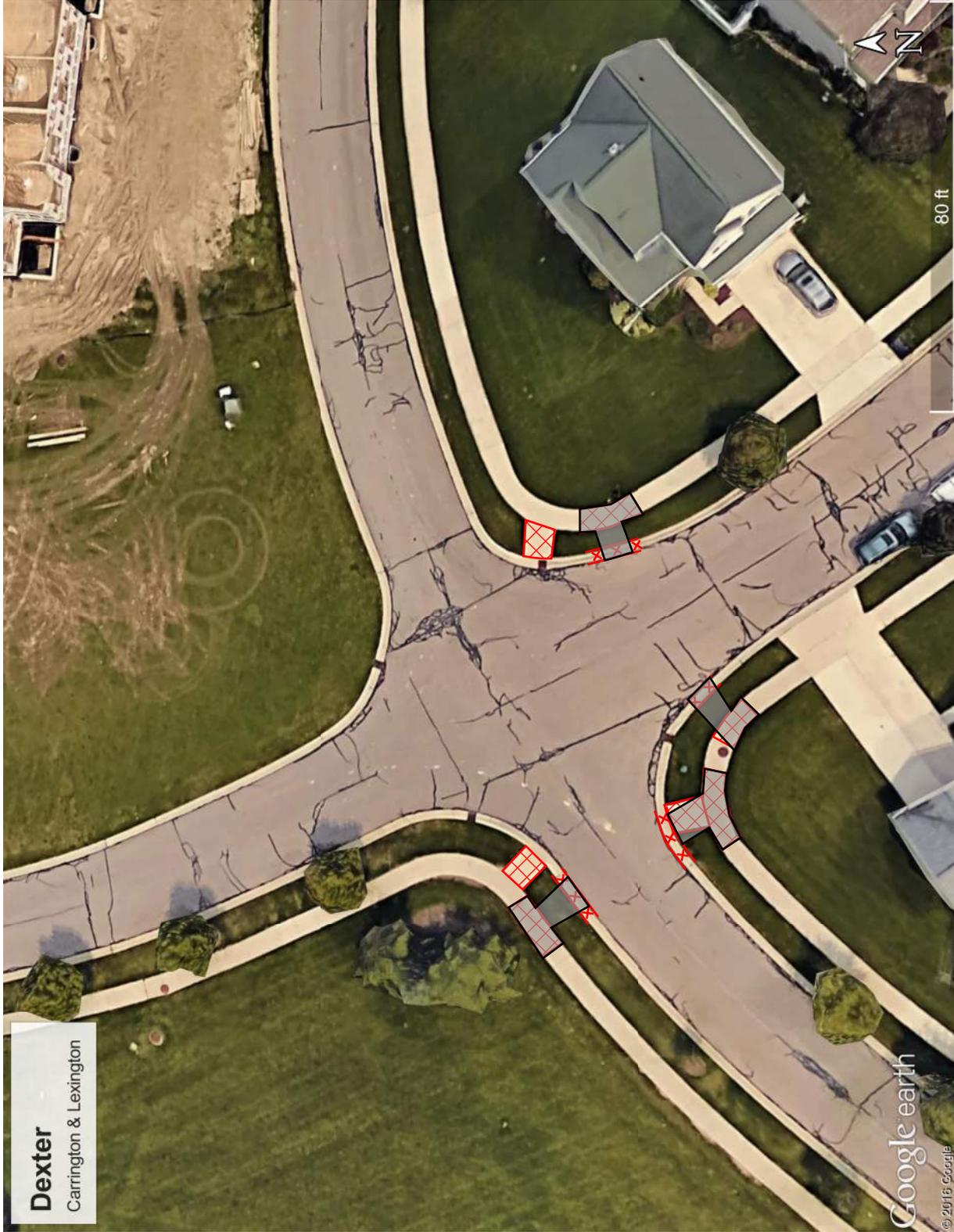
CLIENT:
CITY OF DEXTER

JOB#
0130-16-0021

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DRAWING PATH: C:\Users\droze\Documents\Drawing2.dwg Mar 22, 2016 - 8:25am



Dexter
Carrington & Lexington

Google earth
© 2016 Google

2016 DEXTER CONCRETE BID
SIDEWALK RAMP REPLACEMENT AREAS
CONCEPTUAL RAMP LAYOUTS

H.	SCALE	V.
	SHEET	
	OF	



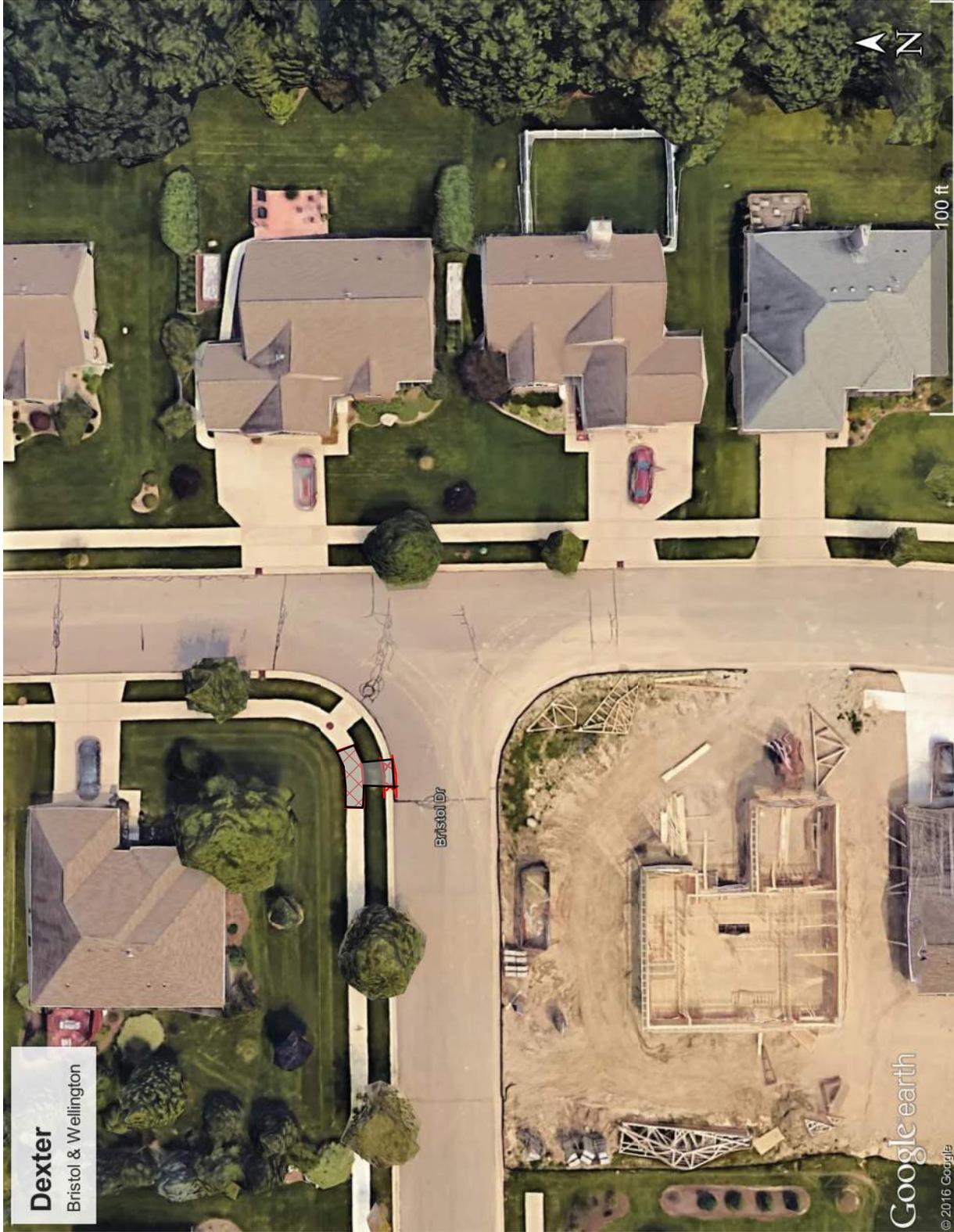
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2016 DEXTER CONCRETE BID
 SIDEWALK RAMP REPLACEMENT AREAS
 CONCEPTUAL RAMP LAYOUTS

H.	SCALE	V.
	SHEET	
	OF	

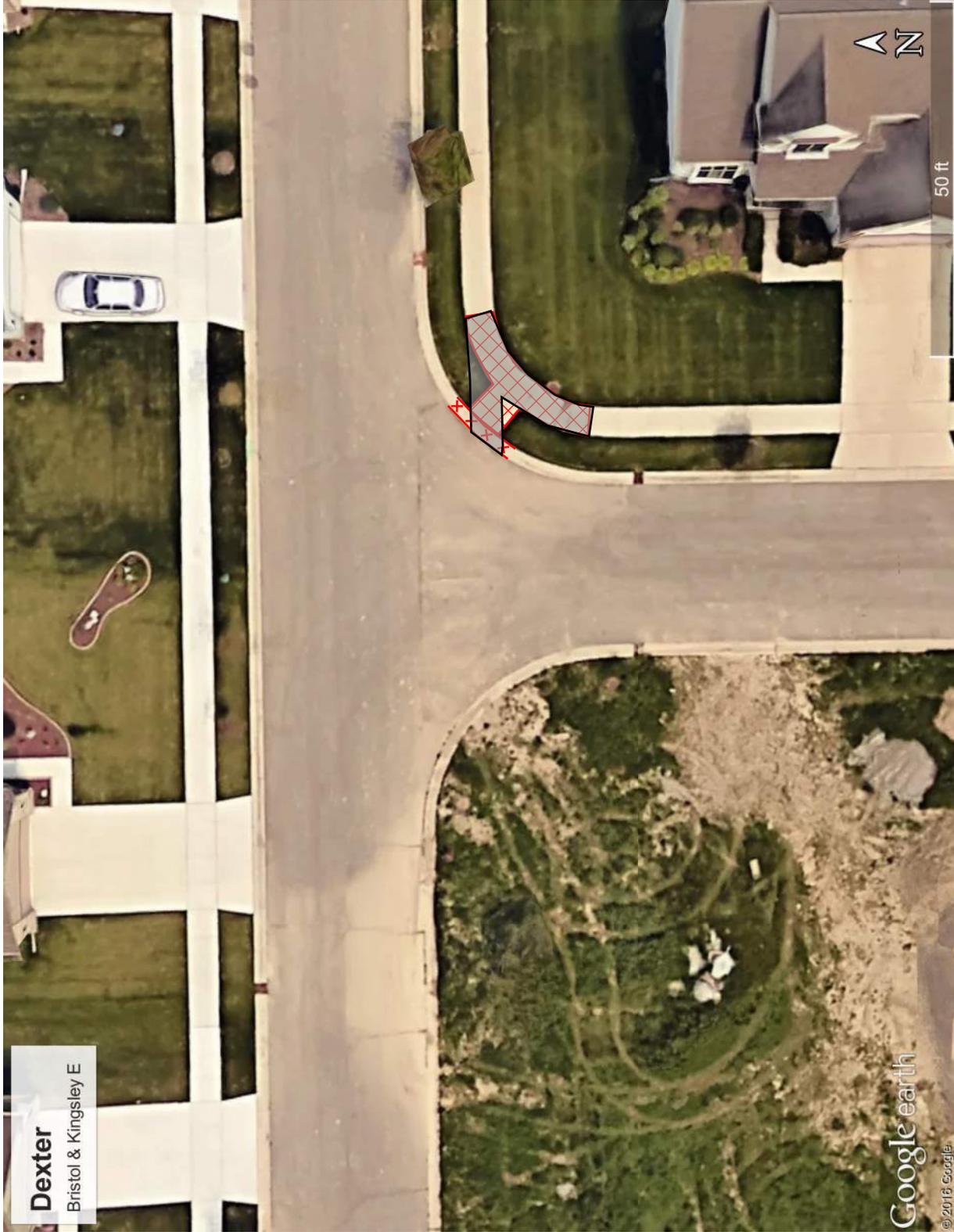


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2016 DEXTER CONCRETE BID
 SIDEWALK RAMP REPLACEMENT AREAS
 CONCEPTUAL RAMP LAYOUTS

H.	SCALE	V.
	SHEET	
	OF	



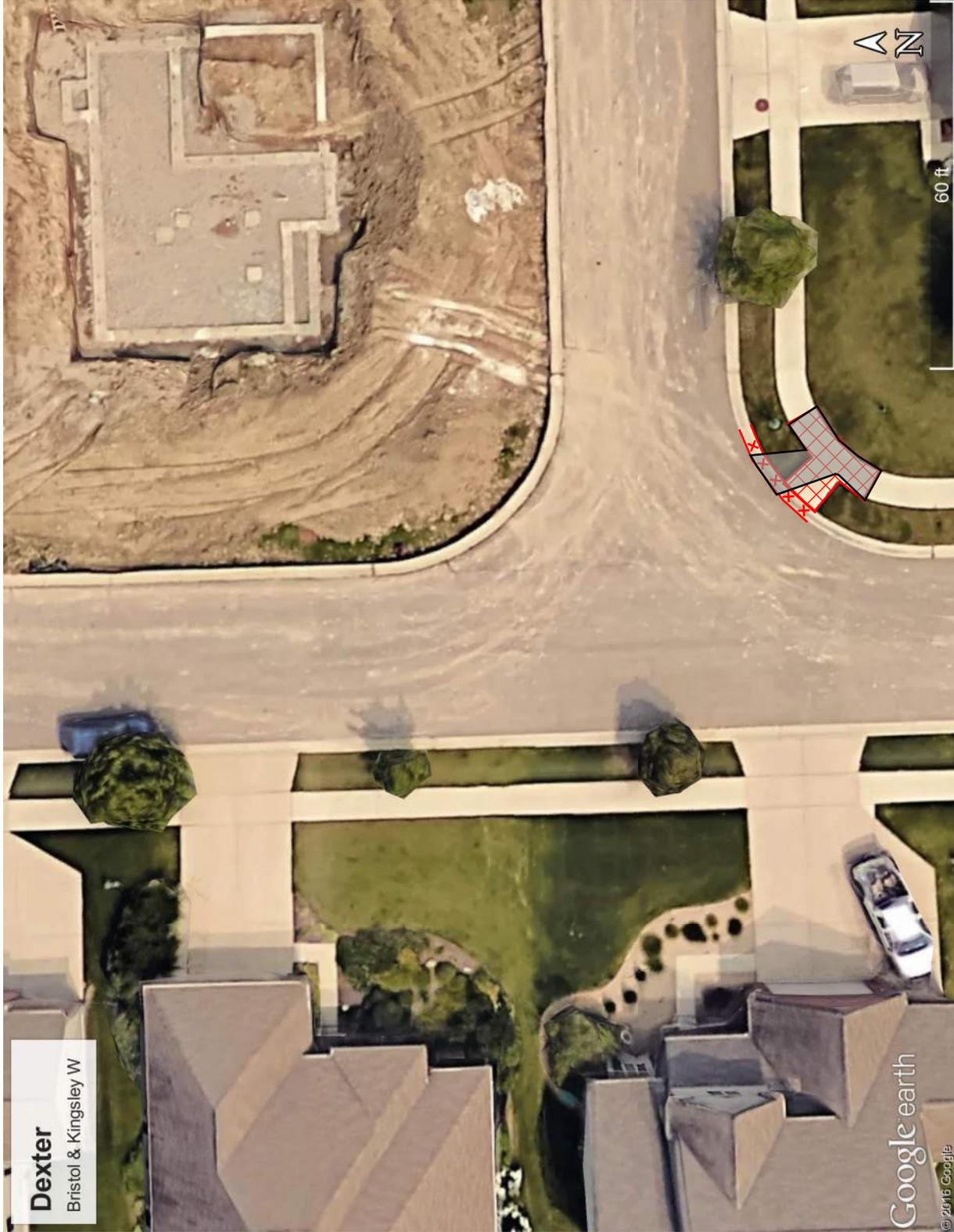
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Dexter
Bristol & Kingsley W

2016 DEXTER CONCRETE BID
SIDEWALK RAMP REPLACEMENT AREAS
CONCEPTUAL RAMP LAYOUTS

H.	SCALE	V.
	SHEET	
	OF	



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2016 DEXTER CONCRETE BID
 SIDEWALK RAMP REPLACEMENT AREAS
 CONCEPTUAL RAMP LAYOUTS

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	SHEET	
	OF	



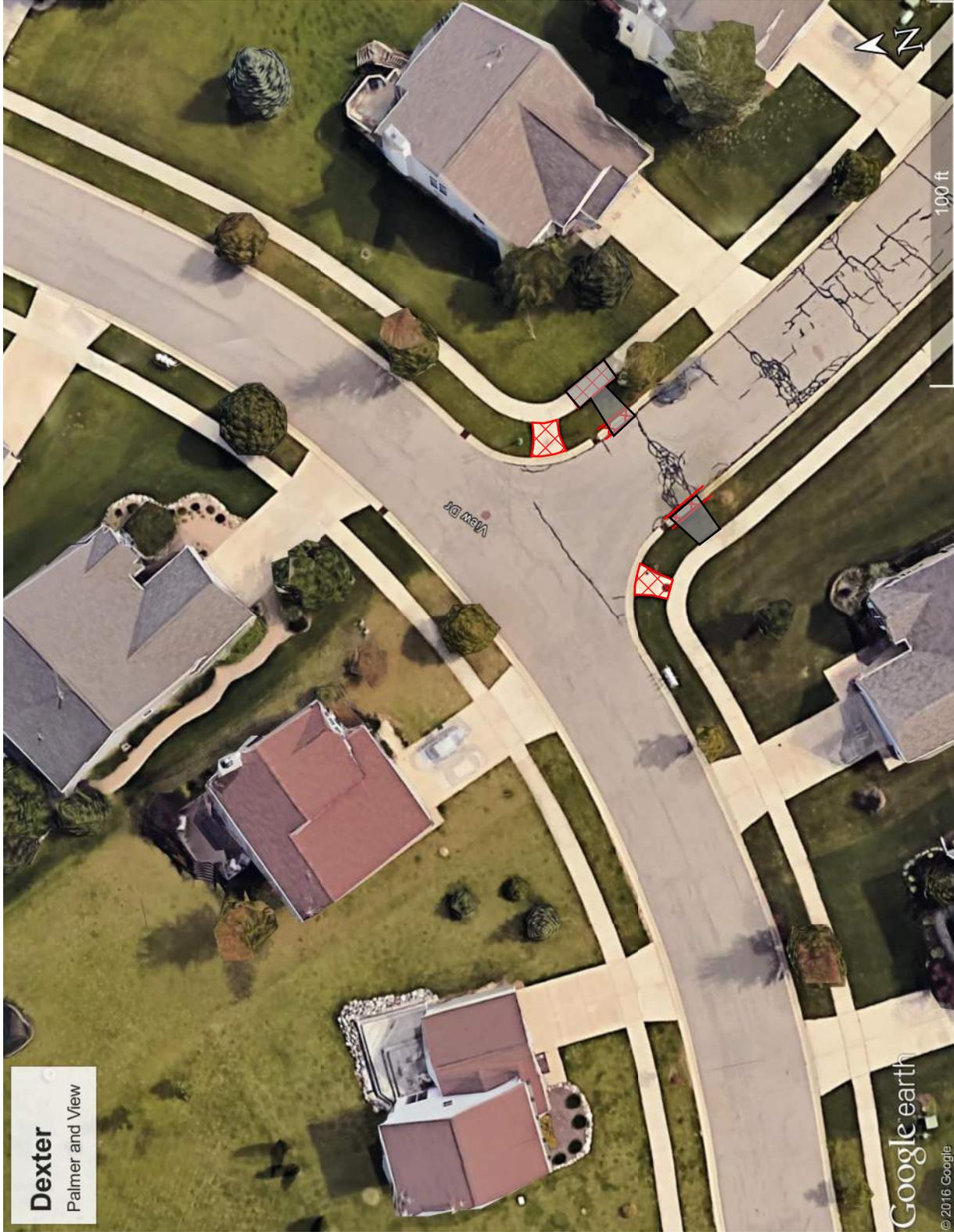
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Dexter
Palmer and View

2016 DEXTER CONCRETE BID
SIDEWALK RAMP REPLACEMENT AREAS
CONCEPTUAL RAMP LAYOUTS

H.	SCALE	V.
	SHEET	
	OF	



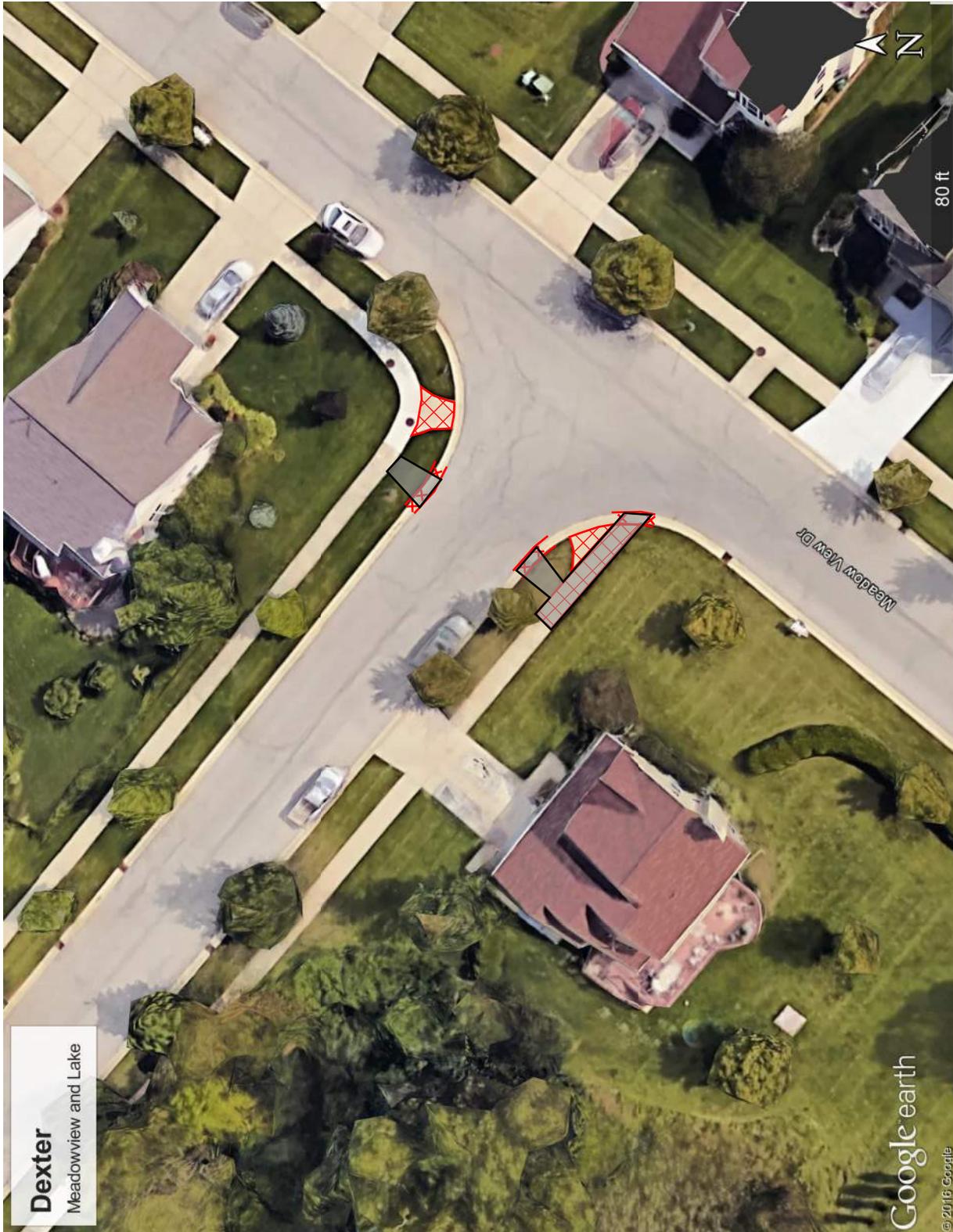
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2016 DEXTER CONCRETE BID
 SIDEWALK RAMP REPLACEMENT AREAS
 CONCEPTUAL RAMP LAYOUTS

H.	SCALE	V.
	SHEET	
	OF	

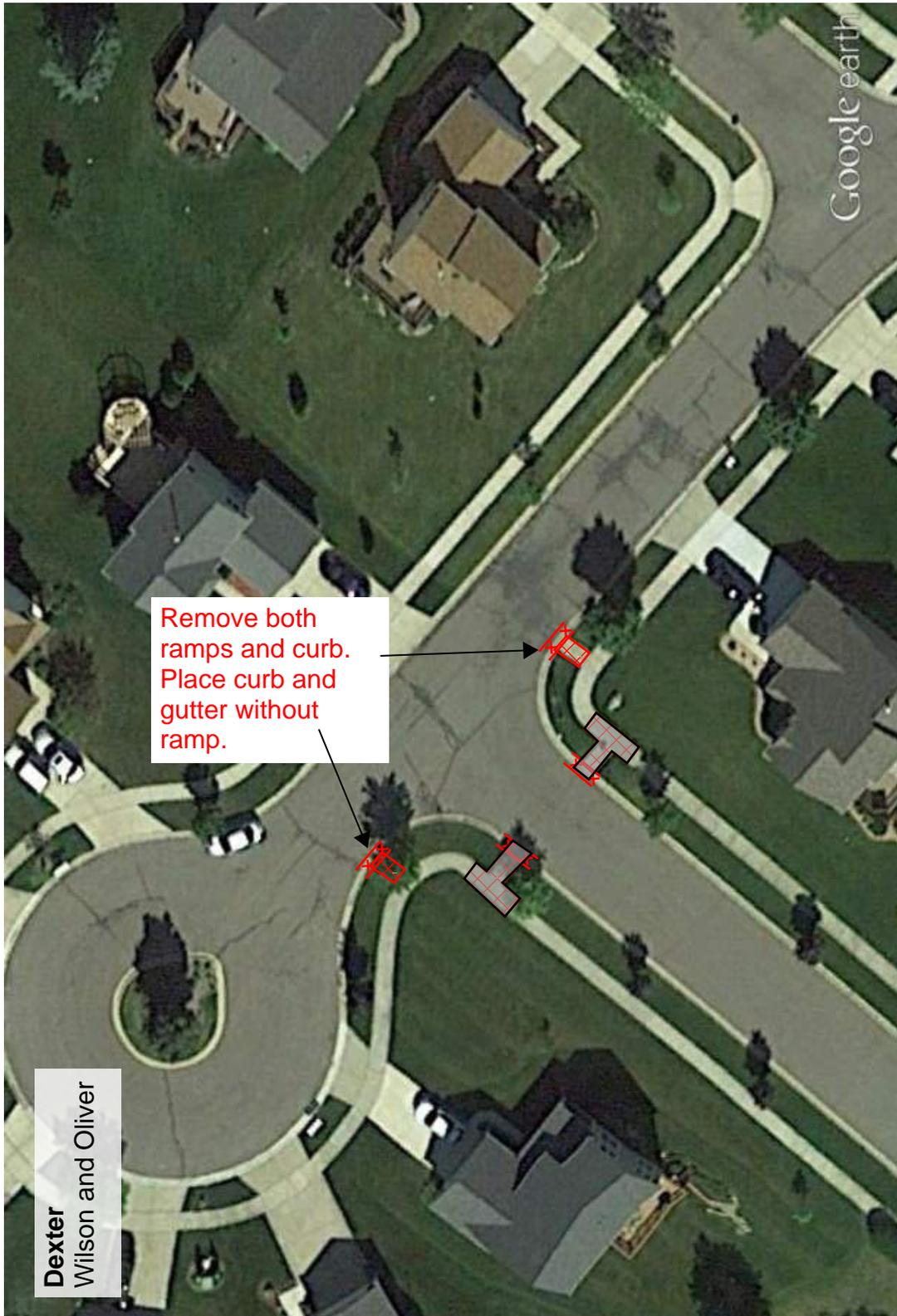


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2016 DEXTER CONCRETE BID
 SIDEWALK RAMP REPLACEMENT AREAS
 CONCEPTUAL RAMP LAYOUTS

H:	SCALE	V:
	SHEET	
	OF	



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SCALE: 1" = 60'

CLIENT:	JOB #	SCALE
		H. V.
		SHEET
		OF

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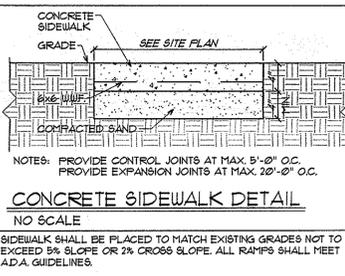
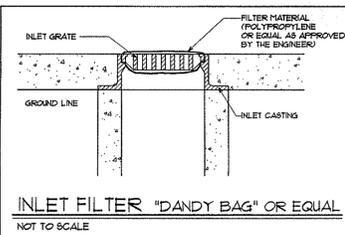


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SOIL EROSION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF WASHTENAW COUNTY.
2. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR FOR EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES AND WHEN NECESSARY, REPAIRS SHALL BE MADE IMMEDIATELY.
3. EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS, WHICH INCLUDE BOTH NATURAL AND MANMADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND POND.
4. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THIS SITE.
5. THE OWNER SHALL OBTAIN OR CAUSE HIS CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS, PAY ALL FEES AND POST ALL BONDS TO EACH AND ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER EROSION CONTROL MEASURES ON THIS PROJECT.
6. THE CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES WHEN REQUIRED AND AS DIRECTED ON THIS PLAN. HE SHALL REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES AND OTHER CHANGES HAVE BEEN ACCOMPLISHED.
7. GEOTEXTILES SHALL BE USED OVER ALL CATCH BASINS AND INLETS IN THE CONSTRUCTION AREA.
8. THE CONTRACTOR IS TO PROTECT AS MUCH EXISTING VEGETATION AS POSSIBLE.
9. THE CONTRACTOR IS TO PROTECT AS MUCH EXISTING VEGETATION AS POSSIBLE.
10. ALL MUD, DIRT AND DEBRIS TRACKED ONTO EXISTING ROADS FROM THIS SITE SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR AND/OR BUILDER. ALL MUD, DIRT AND DEBRIS TRACKED OR SPILLED ONTO PAVED SURFACES WITHIN THIS SITE SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR AND/OR BUILDER.
11. ANY SOIL EROSION CONTROL MEASURES DAMAGED BY THEIR CONTRACTOR'S OPERATION SHALL BE REPLACED THE SAME DAY.
12. THE CONTINUED MAINTENANCE OF THE PERMANENT EROSION CONTROL DEVICES WILL INCLUDE REMOVAL OF ANY SEDIMENT IN THE CATCH BASIN BASKETS AND IN THE DISTRIBUTION BASIN ON A WEEKLY BASIS OR AS REQUIRED. THE MAINTENANCE WILL BE PERFORMED BY THE OWNER OR A PERSON THAT THE VEGETATIVE COVER IS ESTABLISHED THAT LITTLE IF ANY MAINTENANCE OF THE PERMANENT EROSION CONTROL DEVICES WILL BE REQUIRED.
13. THE ON-SITE STORAGE WATER MANAGEMENT SYSTEM SHALL BE PRIVATELY OWNED OPERATED AND MAINTAINED.
14. ALL SLOPES STEEPER THAN 4:1 SHALL HAVE EROSION CONTROL BLANKETS STAYED IN PLACE.
15. A MUD TRACK PAD IS NOT PROVIDED BECAUSE THIS PROJECT IS TO BE CONSTRUCTED ADJACENT TO AN EXISTING PARKING LOT AND HAS ONLY A SMALL AREA OF DISTURBANCE. STREETS SHALL BE SURF PROMPTLY WHEN MUD IS TRACKED ON THE STREET. THE ASPHALT ON-SITE SHALL BE SURF WHEN EXCESSIVE MUD IS PRESENT.



SOIL EROSION & SEDIMENTATION CONTROL MEASURES

KEY	DETAIL	CHARACTERISTICS
6	Soading with Mulch and/or Planting	Facilitates establishment of vegetative cover. Effective for drainage with low velocity. Easily placed in small quantities by inexperienced personnel. Should include prepared topsoil bed.
15	Paving	Protects areas which cannot otherwise be protected, but increases runoff volume and velocity. Irregular surface will help slow velocity.
54	Dandy Bag	Inexpensive and easy to construct. May be repaired if damaged. Filters sediments from runoff.
55	Geotextile Silt Fence	Uses geotextile and posts or poles. May be constructed or pre packaged. Easy to construct and locate as necessary.

SOIL EROSION CONTROL SEQUENCE:

1. Install all perimeter erosion and sedimentation control measures, including inlet filter. 10-11
2. Install mud tracking mat. 10-11
3. Rough grade site, stock pile top soil in location approved by owner and engineer. 10-11
4. Maintain Erosion and Sedimentation control measures, as required.
5. Install concrete foundations. 10-11
6. Install sidewalk and site concrete. 11-11
7. Finish grade, redistribute top soil, see and mulch in all distributed areas. 11-11
8. Remove all temporary soil erosion and sedimentation control measures. 12-11

NOTES

1. THE SITE INCLUDING CONCRETE PATIO & SIDEWALKS SHALL BE ADA COMPLIANT.
2. STABILIZE ALL UNIMPROVED DISTURBED AREAS WITH TOPSOIL, SEED, AND MULCH.
3. 0.283 ACRES TOTAL DISTURBED AREA. FOR NEW BUILDING & SITE WORK

REU CALCULATIONS

Total new area=8500 sf
 Manufacturing Area 7750 sf/1000 = 7.75 x .5 = 3.775 reu's
 Office/Breakroom Area 750 sf/1000 = .75 x .4 = .3 reu's
 Total reu's = 4.075

SITE INFORMATION

ZONING: RD, Research & Development
 EXISTING BUILDING AREA: TOTAL: 91,550 sq. ft.
 PROPOSED BUILDING AREA: NEW: 8,500 sq. ft.
 TOTAL: 100,050 sq. ft.

	REQUIRED	PROPOSED
MIN. LOT AREA	43,560 s.f.	426,888 s.f.
MIN. LOT WIDTH	150 ft.	816 ft.
MAX. LOT COVERAGE	35%	23.4%
MAX. BUILDING HEIGHT	40 ft. max., 2 stories	25 ft. max., 1 story
FRONT SETBACK	50 ft. min.	51 ft.
SIDE SETBACK	22.5 ft. min.	235 ft.
REAR SETBACK	35 ft. min.	38 ft.
TOTAL PAVED AREA		102,300 s.f.
TOTAL IMPERVIOUS AREA		202,350 s.f.

PARKING:

REQUIRED:
 OFFICE: 13,000 s.f. @ 3 spaces per 1000 s.f. = 39 spaces
 SHOP: 12 spaces per employee (38 employees) = 18 spaces.
 TOTAL: 157 spaces required, including 5 barrier-free spaces.
 PROVIDED: 157 spaces, including 5 barrier-free spaces.
 4 CORPORATE VEHICLES SHALL BE PARKED IN THE LOADING AREA
 LOADING: REQUIRED: 5 spaces for 100,050 s.f. gross floor area
 PROVIDED: 5+ loading spaces

SHEET INDEX

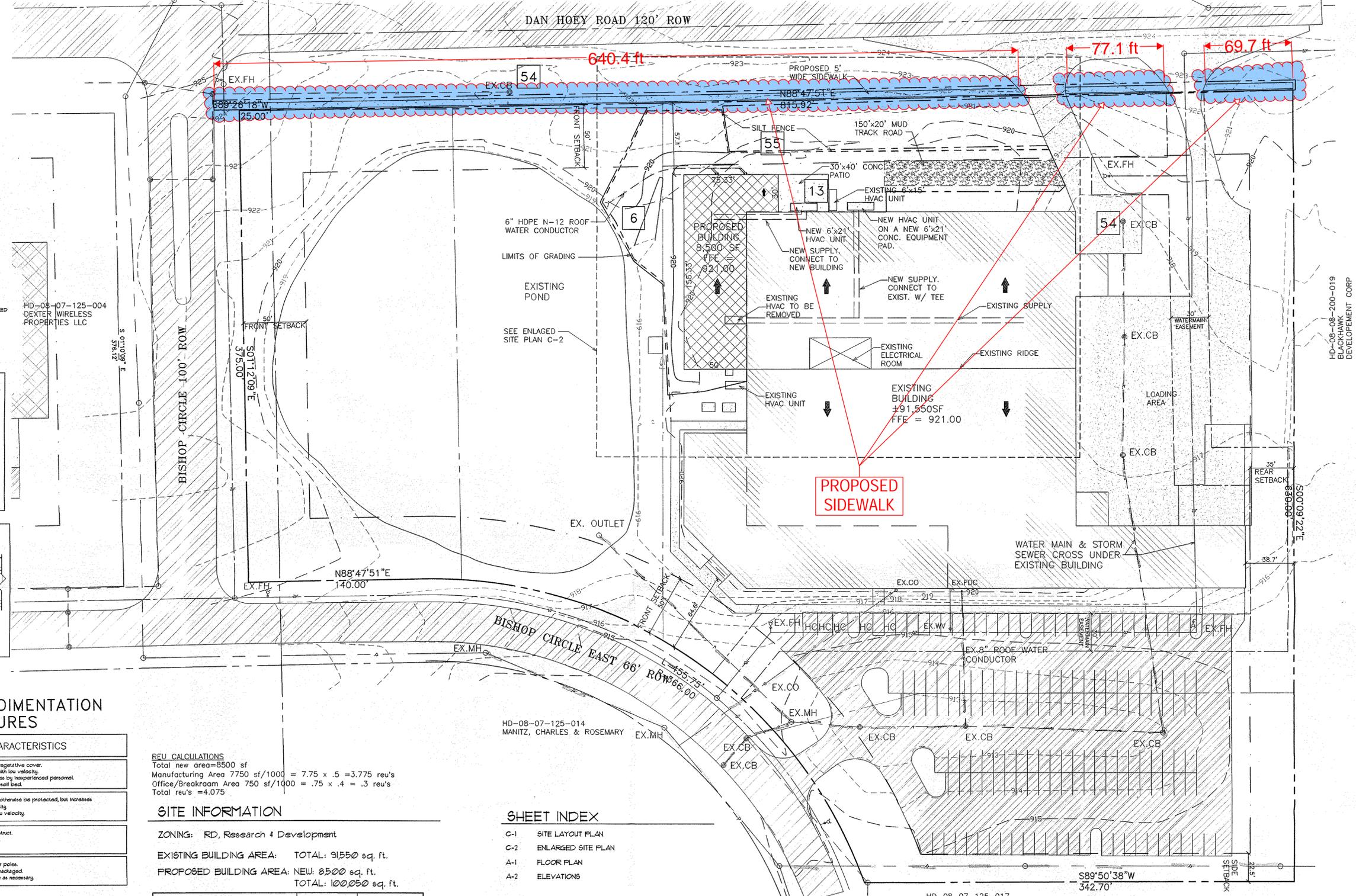
- C-1 SITE LAYOUT PLAN
- C-2 ENLARGED SITE PLAN
- A-1 FLOOR PLAN
- A-2 ELEVATIONS

PROPERTY DESCRIPTION HD-08-07-125-001

Lots 1, 2, 3, 4 1/2, DEXTER BUSINESS AND RESEARCH PARK, a subdivision of part of the Northwest 1/4 of Section 8 and part of the Northwest 1/4 of Section 8, Town 2 South, Range 5 East, Village of Dexter, Washtenaw County, Michigan, as recorded in Liber 26 of Plats, Pages 29 through 36 of Washtenaw County Records. 9.80 AC

Village of Dexter Standard Notes

1. Notify the Village of Dexter and the Village Engineer a minimum of 72 hours prior to the start of construction.
2. All construction must conform to the current engineering standards and specifications adopted by the Village of Dexter.
3. No paving or excavation for paving shall be allowed until the sanitary sewers, water main storm sewers and/or country drain clean out construction has been approved by the Village.
4. Call MISS DIG (800-482-7171) a minimum of 72 hours prior to the start of construction.
5. All soil erosion and silt must be controlled and contained onsite prior to the start of construction.
6. All excavation under the influence of pavement, existing or proposed, shall be backfilled and compacted with Class II sand to 95% of maximum unit weight.
7. The contractor is responsible for all damage to existing utilities.
8. The contractor is responsible for restoring all disturbed areas to the conditions that existed prior to the start of construction.
9. Working hours (including running of any machinery) shall be restricted to Monday through Saturday 7:00 am to 1:00 pm or sunup to sundown whichever is less.
10. Proposed sidewalk and patio shall meet ADA Guidelines.



SITE LAYOUT PLAN
SCALE: 1" = 40'-0"

LEGEND

--- PROPERTY LINE	--- SETBACK	--- EASEMENT	--- PROPOSED STORM	--- PROPOSED WATER	--- PROPOSED UNDERGROUND ELECTRIC	--- PROPOSED GAS	--- PROPOSED SANITARY	--- EXISTING STORM	--- EXISTING WATER	--- EXISTING TELEPHONE	--- EXISTING ELECTRIC	--- EXISTING UNDERGROUND CABLE	--- EXISTING GAS	--- EXISTING SANITARY	--- EXISTING CENTERLINE OF DITCH	--- EXISTING CONTOUR	--- PROPOSED CONTOUR	--- LINE OF SILT FENCE
◆ EXISTING WALL MOUNTED LIGHT FIXTURE	□ NEW POLE-MOUNTED LIGHT	○ EX-UP EXISTING UTILITY POLE	○ EX-MH EXISTING MANHOLE	○ EX-CO EXISTING CLEAN OUT	○ CB R-1 NEW CATCH BASIN	◆ EX-FH EXISTING FIRE HYDRANT	◆ NEW FH #3 NEW FIRE HYDRANT	◆ EX-ELV EXISTING ELEVATION	◆ T/A PROPOSED ELEVATION	◆ EXISTING BUILDING	◆ EXISTING CONCRETE	◆ EXISTING ASPHALT PAVING	◆ EXISTING ASPHALT PAVING TO BE REMOVED	◆ PROPOSED ASPHALT PAVING	◆ PROPOSED CONCRETE			



Vanston/O'Brien, Inc.
 BUILDERS
 2375 Bishop Circle West
 Dexter, MI 48130
 Tel: (734) 424-0661
 Fax: (734) 424-0677
 e-mail: sales@vanston.com www.vanston.com

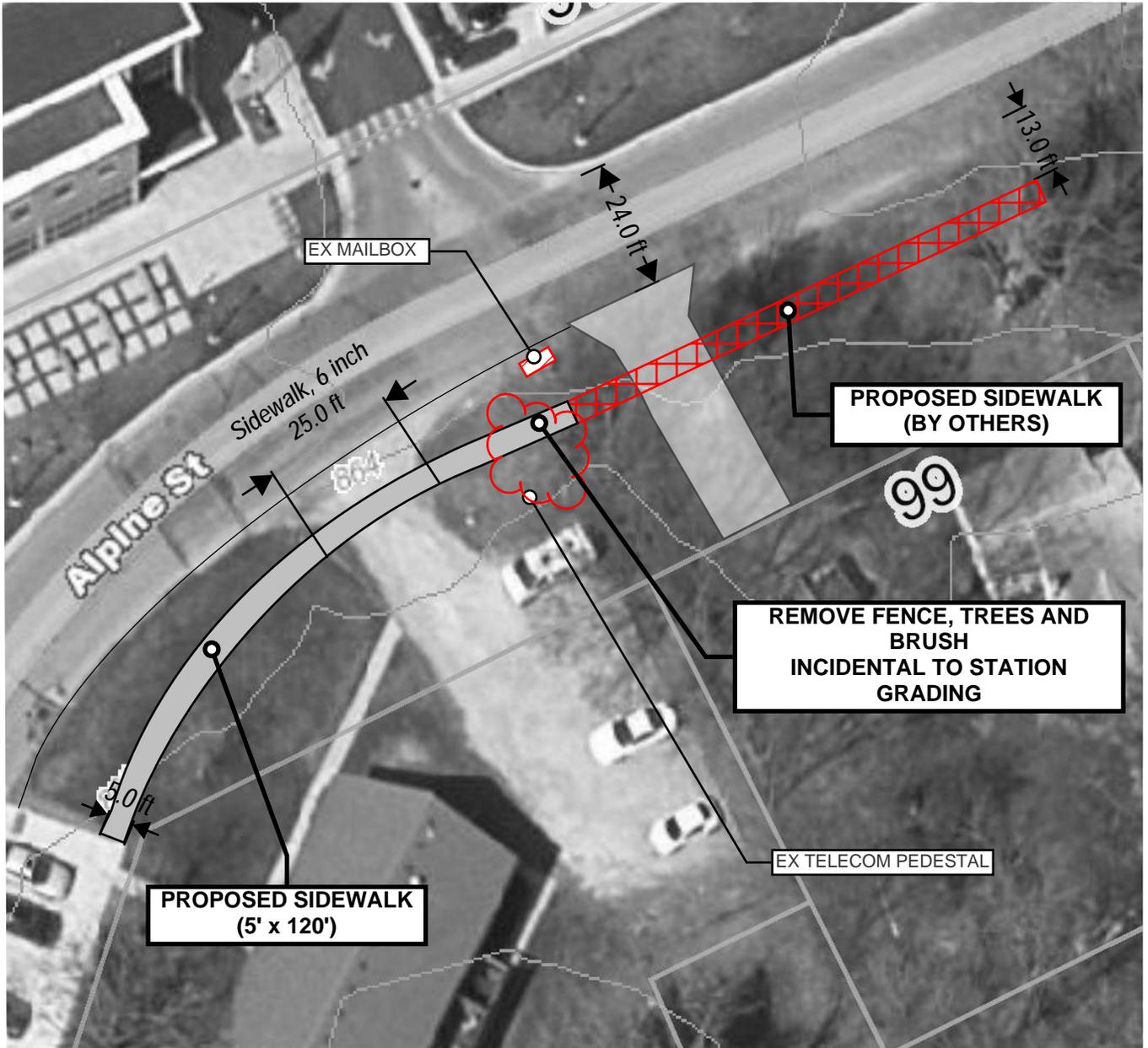
DAPCO INDUSTRIES
 2500 Bishop Circle East
 Village of Dexter, Michigan

ISSUED FOR: DATE:
 SITE PLAN 9-6-11
 REVISED 9-29-11
 REVISED 10-4-11

DRAWN BY: GAH/CLN
 JOB NO.:
 SITE LAYOUT PLAN
 SHEET NO.
C-1

ALPINE STREET

99' R.O.W.



CLIENT:		JOB #	
1234 Washington Boulevard - Suite 600 Detroit, MI 48226 P (313) 481-1255 WWW.OHM-ADVISORS.COM		SCALE	H. V.
		SHEET	OF

