City of Birmingham
A Walkable Community

MEMORANDUM

Engineering Department

DATE: **March 27, 2014**

TO: **Joseph A. Valentine, City Manager**

FROM: **Paul T. O'Meara, City Engineer**

SUBJECT: **Chester St. Structure Street Improvements**
Contract #3-15(P) Contract Award

Bids were opened on the above project on March 27, 2015. The low bid was submitted by FDM Contracting, Inc., at a cost of $410,955.50. Two bids were received, as listed on the attached summary. The engineer's estimate was $340,000.

FDM Contracting has successfully completed three projects for the City since 2011. The most recent was the similar but larger Pierce St. Paving Project (2013). The Oak St. Paving Project was recently awarded to them as well. We are confident that they are qualified to perform the work on this contract.

The project will include three street improvements, all adjacent to the Chester St. Parking Structure:

1. Martin St. will be constructed as a public street between Southfield Rd. and Martin St., serving as the entrance to the parking structure, as well as the two adjacent buildings on the south side of the road (550 W. Merrill St. office building, and Baldwin House Apartments). The existing parking control equipment will be removed from the right-of-way. Street lights will be added to both sides of the street, and landscaping will be introduced on the south side of the parking structure.
2. The large radius for right turns from Maple Rd. to Chester St. will be reduced in size, which will reduce the crosswalk lengths from this corner, as well as allow for a landscaped seating area in front of the parking structure stair tower.
3. Chester St. from Maple Rd. to Martin St. will be resurfaced (general maintenance).

Since other significant work is already scheduled for this parking structure this spring, we have asked the contractor to not start on this work until the internal work is no longer impacting traffic flows. We expect that it will start in July or August, and take 2 months to execute. Landscape plans have been attached for your information.

As is required for all of the City's construction projects, FDM has submitted a 5% bid security with their bid which will be forfeited if they do not provide the signed contracts and required bonds and insurance required by the contract following the award by the City Commission.

The cost of the project will be charged to the following accounts:

Major Street Fund	202-449.001-981.0100	$ 92,444.75
Auto Parking Fund	585-536.008-981.0100	$306,686.75
Sewer Fund	590-536.001-981.0100	$ 11,824.00
TOTAL		$410,955.50

The Major Street portion of this work is higher than what was budgeted. A suggested resolution with a needed budget appropriation is provided below.

It is recommended that the Chester St. Structure Street Improvements, Contract #3-15(P), be awarded to FDM Contracting, Inc., of Shelby Twp., MI, in the amount of $410,955.50.

SUGGESTED RESOLUTION:

To award Contract #3-15(P), Chester St. Structure Street Improvements to FDM Contracting, Inc., in the amount of $410,955.50, to be charged as follows:

Major Street Fund	202-449.001-981.0100	$ 92,444.75
Auto Parking Fund	585-536.008-981.0100	$306,686.75
Sewer Fund	590-536.001-981.0100	$ 11,824.00
TOTAL		$410,955.50

Further, to approve the appropriation and budget amendment as follows:

Major Street Fund

Revenues:

Draw from Fund Balance #202-000.000-400.0000	$47,450
Total Revenue Adjustments	$47,450

Expenditures:

Major Street Public Improvements #202-449.001-981.0100	$47,450
Total Expenditure Adjustments	$47,450

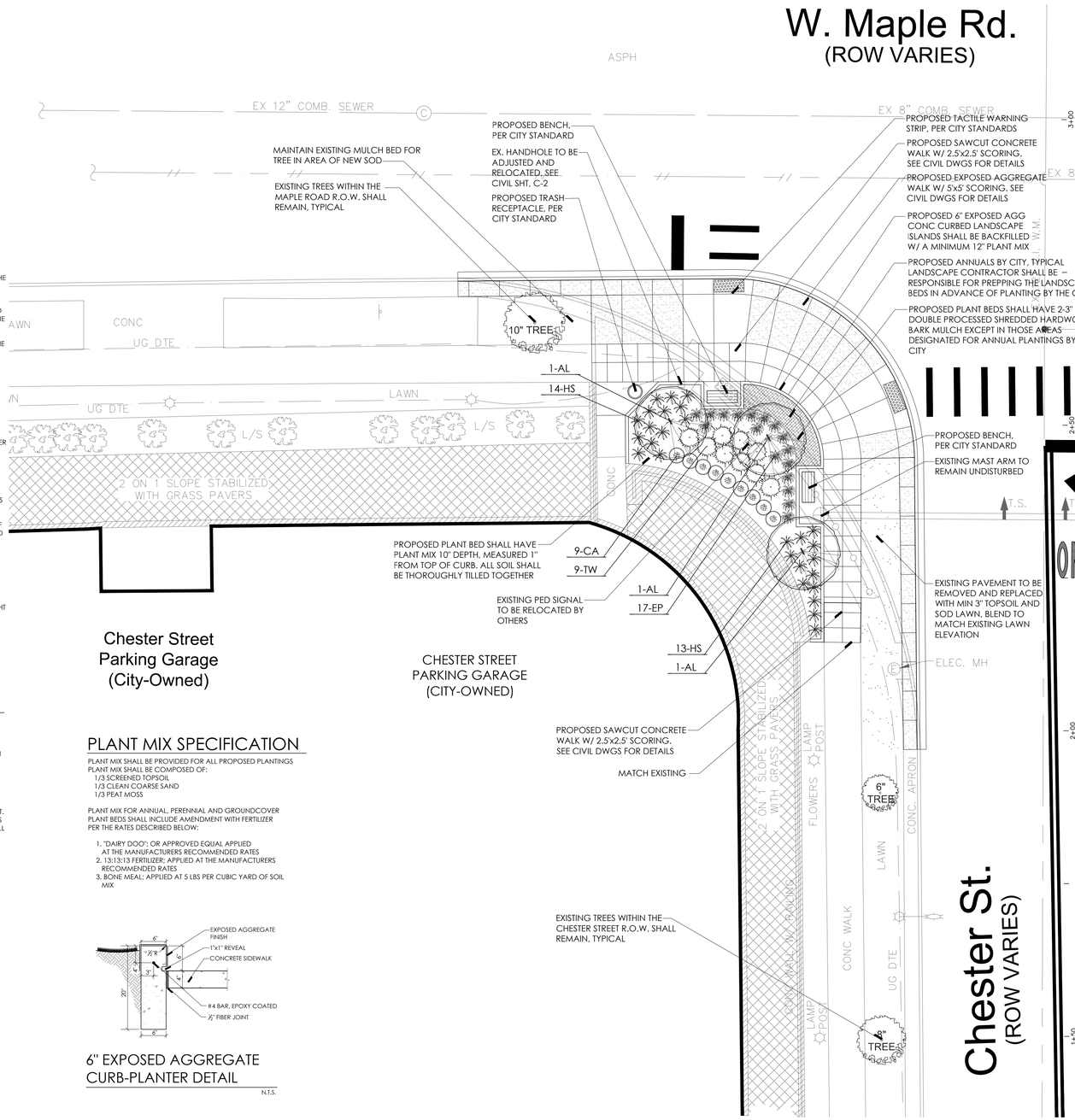
CITY OF BIRMINGHAM

CHESTER ST. STRUCTURE ST. PAVING PROJECT
CONTRACT #3-15(P)

BID SUMMARY

March 27, 2015 - 2:00 PM

Company Name	Addendums	5% Bid Security	Base Bid
FDM Contracting, Inc.	Yes	Bond	$410,955.50*
Warren Contracting & Development, Inc.	Yes	Bond	$468,202.00
* = Adjusted by Engineering Dept.			



DEMOLITION NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SURVEY INFORMATION INCLUDING THE UTILITY SYSTEMS BEFORE ANY DEMOLITION OR CONSTRUCTION WORK OCCURS. ANY DISCREPANCIES WITH THE SURVEY INFORMATION SHALL BE REPORTED TO THE ARCHITECT AND OWNER'S REPRESENTATIVE IMMEDIATELY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF SAID UTILITIES.
3. ALL EXISTING IMPROVEMENTS, MATERIALS AND PLANT MATERIAL TO REMAIN WITHIN THE NEW CONSTRUCTION AREA SHALL BE PROPERLY AND ADEQUATELY PROTECTED FROM DAMAGE DURING THE DEMOLITION OPERATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE TO THE ORIGINAL CONDITION ANY OF THESE EXISTING ITEMS THAT ARE DAMAGED OR DISTURBED IN ANY WAY.
4. ALL MATERIALS TO BE REUSED OR SALVAGED SHALL BE STORED IN AN AREA DESIGNATED BY THE CITY ENGINEER FOR THAT PURPOSE. ALL SALVAGED MATERIALS SHALL REMAIN THE PROPERTY OF THE CITY ENGINEER.
5. STREETS, SIDEWALKS AND ADJACENT PROPERTIES SHALL BE PROTECTED THROUGHOUT THE WORK AS REQUIRED BY LOCAL CODES AND REGULATIONS AND APPROVED BY THE OWNER.
6. ALL MATERIAL SPECIFIED TO BE REMOVED SHALL BE DISPOSED OF OFF-SITE PER LOCAL CODES AND REGULATIONS. CONTRACTOR SHALL COORDINATE METHOD OF DISPOSAL WITH CITY ENGINEER PRIOR TO COMMENCEMENT OF WORK.
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9. TREES AND SHRUBS TO BE REMOVED WITHIN THE LIMITS OF WORK SHALL BE CLEARLY IDENTIFIED WITH BRIGHTLY COLORED RIBBON.
10. GRUBBING SHALL INCLUDE ALL WEEDS, SHRUBS, STUMPS AND ROOT SYSTEMS OF REMOVED PLANT MATERIAL, IRRIGATION PIPING AND ANY OTHER IRRIGATION MATERIALS WITHIN THE LIMITS OF DEMOLITION. GRUBBING SHALL BE TO THE DEPTHS BELOW PROPOSED IMPROVEMENTS INDICATED AS FOLLOWS: CONCRETE PAVING AND WALKWAYS-TOTAL DEPTH OF PAVING AND SUB-BASE; ASPHALT PAVING-TOTAL DEPTH OF PAVING AND SUB-BASE; LAWN AND OTHER PLANTINGS AREAS-REMOVE DEPTH REQUIRED OF STUMPS AND ROOTS OVER TWO (2) INCHES IN DIAMETER AND TURF.
11. PROTECT EXISTING TREES TO REMAIN PER TYPICAL TREE PROTECTION DETAIL.
12. STOCKPILED TOPSOIL SHALL BE STORED ON SITE AND REMAIN PROTECTED FROM CONTAMINATION PRIOR TO REDISTRIBUTION.
13. SAWCUT AND REMOVE EXISTING ASPHALT AS REQUIRED TO INSTALL NEW SITE IMPROVEMENTS AND ADJUST GRADES WITHIN CITY STREETS. ALL WORK WITHIN CITY RIGHT OF WAY SHALL MEET CITY STANDARDS AND SPECIFICATIONS.
14. ARRANGE FOR APPLICABLE UTILITY COMPANY TO RELOCATE EXISTING CABLES, WIRES, PHONE LINES, ETC. ALONG WITH EDISON POWER LINES AS REQUIRED.
15. CONTRACTOR SHALL SECURE AND PAY FOR ALL APPLICABLE PERMITS AND FEES NECESSARY FOR THE COMPLETE CONSTRUCTION OF THE PROJECT.

PLANTING NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL RIGHTS OF WAY, EASEMENTS, PROPERTY LINES AND LIMITS OF WORK, ETC., PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL PERTINENT UTILITY COMPANIES 72 HOURS IN ADVANCE OF ANY DIGGING TO MAKE HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES.
3. THE CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
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5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH CONSTRUCTION INSTALLATION OPERATIONS.
6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN POSITIVE SURFACE DRAINAGE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, AND OR OWNER'S REPRESENTATIVE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
8. SEE SPECIFICATIONS, PLANT LIST AND PLANTING DETAILS FOR PLANTING REQUIREMENTS, MATERIALS AND EXECUTION.
9. ALL TREES TO HAVE CLAY LOAM OR CLAY BALLS - TREES WITH SAND BALLS SHALL NOT BE ACCEPTED.
10. ALL TREES TO BE APPROVED BY OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO THE SITE. ANY TREES DELIVERED TO THE SITE NOT PREVIOUSLY APPROVED MAY BE REJECTED AND ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
11. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
12. THE CONTRACTOR TO VERIFY PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL.
13. THE CONTRACTOR SHALL PLACE 3" DEPTH OF SHREDDED BARK MULCH IN ALL PLANTING BEDS, UNLESS OTHERWISE INDICATED.

PLANT MIX SPECIFICATION

PLANT MIX SHALL BE PROVIDED FOR ALL PROPOSED PLANTINGS
PLANT MIX SHALL BE COMPOSED OF:
1/3 SCREENED TOPSOIL
1/3 CLEAN COARSE SAND
1/3 PEAT MOSS

PLANT MIX FOR ANNUAL, PERENNIAL AND GROUNDCOVER PLANT BEDS SHALL INCLUDE AMENDMENT WITH FERTILIZER PER THE RATES DESCRIBED BELOW:

1. "DAIRY DOO"; OR APPROVED EQUAL APPLIED AT THE MANUFACTURERS RECOMMENDED RATES
2. 13:13:13 FERTILIZER: APPLIED AT THE MANUFACTURERS RECOMMENDED RATES
3. BONE MEAL: APPLIED AT 5 LBS PER CUBIC YARD OF SOIL MIX

6" EXPOSED AGGREGATE CURB-PLANTER DETAIL

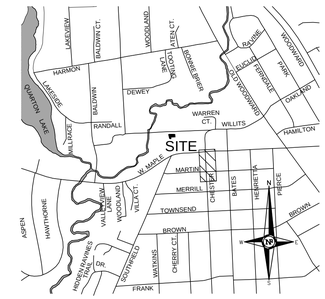
N.T.S.

NOTE:

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PARKING GARAGE STRUCTURE AND RETAINING WALLS INCURRED DURING THE ENTIRE CONSTRUCTION PROCESS

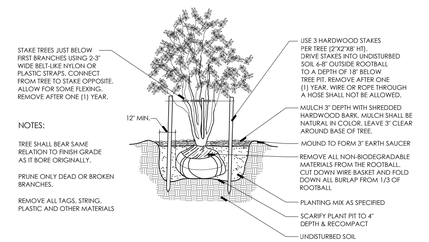
INSTALLATION NOTE:

THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED PRIOR TO PLANT INSTALLATION, TO APPROVE THE STAKEOUT LOCATIONS OF ALL PLANTS.



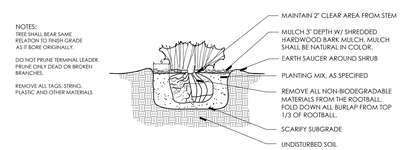
LOCATION MAP

N.T.S.



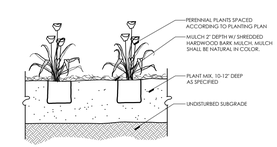
MULTI-STEM TREE PLANTING DETAIL

NTS



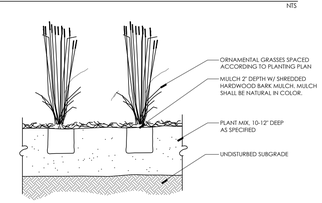
HEDGE PLANTING DETAIL

NTS



PERENNIAL PLANTING DETAIL

NTS



ORNAMENTAL GRASS PLANTING DETAIL

NTS

PLANT SCHEDULE

KEY	QTY	BOTANICAL/COMMON NAME	SIZE	SPACING	ROOT	COMMENT
TREES						
AL	3	Amelanchier laevis Allegheny Serviceberry	6-7' HT	SEE PLAN	B&B	CLUMP FORM, 3 CANES MIN
SHRUBS						
TW	9	Taxus x m. 'Wardii' Ward's Yew	24" HT	36" OC	B&B	
GROUNDCOVERS/PERENNIALS						
CA	9	Calamagrostis a. 'Karl Foerster' Karl Foerster Feather Reed Grass	3 GAL	30" OC	CONT	WELL-ROOTED
EP	17	Echinacea purpurea 'Ruby Giant' Ruby Giant Purple Coneflower	2 GAL	28" OC	CONT	WELL-ROOTED
HS	27	Hemerocallis 'Stella D'Oro' Stella D'Oro Daylily	2 GAL	28" OC	CONT	WELL-ROOTED

NF ENGINEERS
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
PONTIAC, MI 48342-5032
TEL. (248) 332-7931
FAX. (248) 332-8257

PROJECT
Chester Street at Maple Road

CLIENT
City of Birmingham
A 18,000 Community
Engineering Department
151 Martin Street
Birmingham, MI 48012

PROJECT LOCATION
Part of the Southwest 1/4 of Section 25, Town 2 North, Range 10 East, City of Birmingham, Oakland County, Michigan

SHEET
Landscape Plan

811
Know what's below
Call before you dig.

REVISIONS
03-12-15 For Bid

DRAWN BY:
G. Ostrowski
DESIGNED BY:
M. Jurek
APPROVED BY:
G. Ostrowski
DATE:
February 13, 2015
SCALE:
1" = 10'

NFE JOB NO.
F277-02
SHEET NO.
L1

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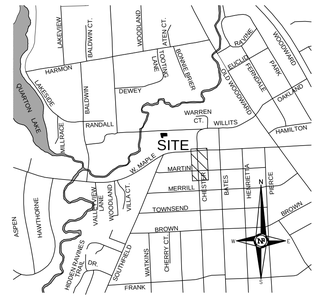
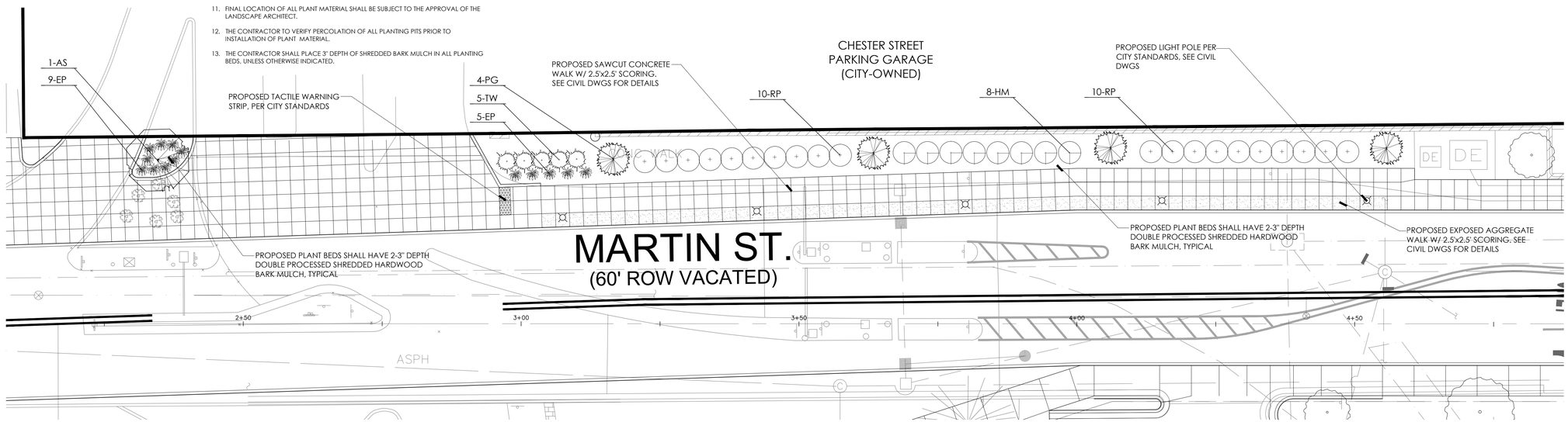
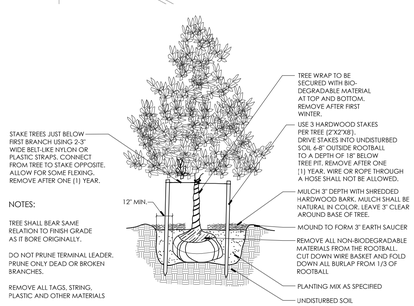
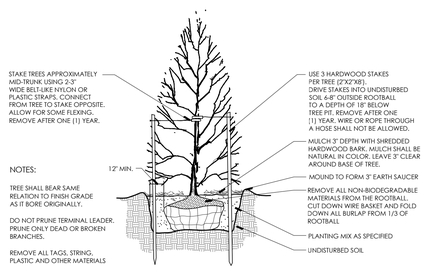


LOCATION MAP
N.T.S.





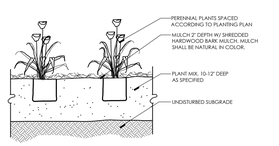
DECIDUOUS TREE PLANTING DETAIL
NTS



EVERGREEN TREE PLANTING DETAIL
NTS

PLANT SCHEDULE

KEY	QTY	BOTANICAL/COMMON NAME	SIZE	SPACING	ROOT	COMMENT
TREES						
AS	1	Acer saccharum 'Apollo' Apollo Sugar Maple	2.5" CAL	SEE PLAN	B&B	FULLY BRANCHED HEAD
PG	4	Picea glauca 'Montrose Spire' Montrose Spire White Spruce	6-7' HT	SEE PLAN	B&B	FULLY BRANCHED HEAD
SHRUBS						
HM	8	Hydrangea macraphylla 'Endless Summer' Endless Summer Hydrangea	5 GAL	48" OC	CONT	
RP	20	Rosa 'Pink Double Knockout' Pink Double Knockout Rose	3 GAL	36" OC	CONT	
TW	5	Taxus x m. 'Wardii' Ward's Yew	24" HT	36" OC	B&B	
GROUNDCOVERS/PERENNIALS						
EP	14	Echinacea purpurea 'Ruby Giant' Ruby Giant Purple Coneflower	2 GAL	28" OC	CONT	WELL-ROOTED



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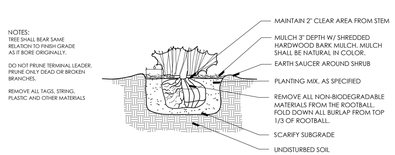

HEDGE PLANTING DETAIL
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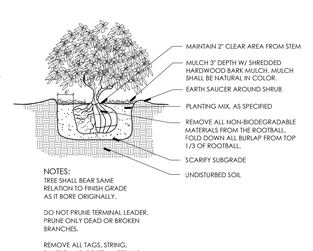

SHRUB PLANTING DETAIL
DECIDUOUS SHRUB
NTS

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13. SAWCUT AND REMOVE EXISTING ASPHALT AS REQUIRED TO INSTALL NEW SITE IMPROVEMENTS AND ADJUST GRADES WITHIN CITY STREETS. ALL WORK WITHIN CITY RIGHT OF WAY SHALL MEET CITY STANDARDS AND SPECIFICATIONS.
14. ARRANGE FOR APPLICABLE UTILITY COMPANY TO RELOCATE EXISTING CABLES, WIRES, PHONE LINES, ETC. ALONG WITH EDISON POWER LINES AS REQUIRED.
15. CONTRACTOR SHALL SECURE AND PAY FOR ALL APPLICABLE PERMITS AND FEES NECESSARY FOR THE COMPLETE CONSTRUCTION OF THE PROJECT.

NF ENGINEERS
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
PONTIAC, MI 48342-5032
TEL. (248) 332-7931
FAX. (248) 332-8257

PROJECT
Chester Street Structure Street Improvements Contract #3-15(P)

CLIENT
City of Birmingham
A 18,000 Community
Engineering Department
151 Martin Street
Birmingham, MI 48012

PROJECT LOCATION
Part of the Southwest 1/4 of Section 25, Town 2 North, Range 10 East, City of Birmingham, Oakland County, Michigan

SHEET
Landscape Plan
Martin Street

811
Know what's below
Call before you dig.

REVISIONS
03-12-15 For Bid

DRAWN BY: G. Ostrowski
DESIGNED BY: M. Jurek
APPROVED BY: G. Ostrowski
DATE: March 10, 2015
SCALE: 1" = 10'

NFE JOB NO. F277-02
SHEET NO. L2