

CITY OF BIRMINGHAM
ADVISORY PARKING COMMITTEE
CITY COMMISSION ROOM
151 MARTIN ST., BIRMINGHAM, MI
(248) 530-1850
REGULAR MEETING AGENDA
WEDNESDAY, NOVEMBER 7, 2018, 7:30 A.M.

1. ROLL CALL
2. RECOGNITION OF GUESTS
3. APPROVAL OF MINUTES, MEETING OF OCTOBER 3, 2018
4. LOT 6 CONCEPT PLANS - ACTION
5. MONTHLY FINANCIAL REPORTS
6. MEETING OPEN FOR MATTERS NOT ON THE AGENDA
7. NEXT MEETING: DECEMBER 5, 2018



Persons with disabilities that may require assistance for effective participation in this public meeting should contact the City Clerk's Office at the number (248) 530-1880, or (248) 644-5115 (for the hearing impaired) at least one day before the meeting to request help in mobility, visual, hearing, or other assistance.

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City of Birmingham
ADVISORY PARKING COMMITTEE
REGULAR MEETING

Birmingham City Hall Commission Room
151 Martin, Birmingham, Michigan
Wednesday, October 3, 2018

MINUTES

These are the minutes of the Advisory Parking Committee ("APC") regular meeting held on Wednesday October 3, 2018. The meeting was called to order at 7:35 a.m. by Chairman Al Vaitas.

1. ROLLCALL

Present: Chairman Al Vaitas
Vice-Chairperson Gayle Champagne
Anne Honhart
Steven Kalczynski (left at 9:25 a.m.)
Lisa Krueger (left at 9:25 a.m.)
Judith Paskiewicz
Jennifer Yert

Absent: Student Representative Anjay Yaple

SP+ Parking: Catherine Burch
Sara Burton
Jay O'Dell

Administration: Commander Mike Albrecht, Police Dept.
Austin Fletcher, Asst. City Engineer
Tiffany Gunter, Asst. City Manager
Paul O'Meara, City Engineer
Carole Salutes, Recording Secretary

Nelson Nygard: Chris Bonjorno and Tom Brown
via telecommunication

Smarking: Chris Hayes and Kurt Wedel
via telecommunication

2. RECOGNITION OF GUESTS

Mr. Larry Imerman of the Birmingham Sr. Men's Club who spoke at the beginning of the meeting.

3. MINUTES OF REGULAR APC MEETING OF JULY 11, 2018

Motion by Ms. Honhart

Seconded by Ms. Krueger to approve the minutes of the regular APC meeting of July 11, 2018 as presented.

VOICE VOTE

Yeas: Honhart, Krueger, Champagne, Kalczynski, Paskiewicz, Vaitas, Yert

Nays: None

Abstain: None

Absent: None

Motion carried, 7-0,

4. PARKING PLAN RECOMMENDATIONS PRESENTATION

Ms. Gunter advised that the Parking Plan Recommendation Report is scheduled to be presented before the City Commission on October 8. Today Messrs, Christopher Bonjorno and Tom Brown will join the group through the speaker system to walk through the strategies and recommendations for the parking plan. They will set forth how the strategies have been organized and then offer a priority list for implementation for the Committee to consider moving forward.

Mr. Bonjorno took the lead and Mr. Brown supported, while Ms. Gunter brought up the slides that illustrated a series of strategy and recommendation categories:

- Ensure access to monthly permits
 - Sell more permits
 - Performance-based rate policy
 - Adjust rates to align supply/demand
 - Expand non-driving commuter benefits
 - Refine rooftop valet strategy
 - Expand employee parking options

Chairman Vaitas questioned if more permits are sold in the garages how do you address where they will park. Mr. Brown answered they are not recommending the sale of a lot more permits; but they suggest a small incremental approach while continuing to monitor utilization. They suspect the same car that is currently parking in the garages will just now be using a permit.

Mr. Kalczynski asked what the benefit is by selling more permits. Ms. Gunter said a problem is the perception issue that comes along with having a 3,000 member wait list. The goal is to reduce the waitlist by allowing the daily parkers that are presumably already parking in the structure the opportunity to obtain a permit.

Mr. Kalczynski received confirmation that adjusting rates shifts people from one garage that becomes more expensive to a lesser expensive one.

Chairman Vaitas did not think that increasing rates so soon again would be perceived well by the public. Mr. Bonjorno suggested they could mitigate some of those concerns by offering some alternative permit options. Increased rates reflect more demand in the garages than there is supply.

Mr. Brown added the key isn't so much raising rates as increasing the differential between different facilities. The pricing incentive is increased to attract more demand in the facilities that have more capacity.

- Improve visitor access to short-term parking
 - Performance-based rate policy
 - Minimize use of 1-hour time limits
 - Ensure drivers know all options
 - Optimize PARK ONCE efficiencies
 - Refine public valet strategy
 - Expand garage payment options

Mr. Bonjorno responded to the Chairman that they suggest a \$2 premium rate.

Chairman Vaitas asked if they are proposing a valet program for the Lot 6 area. Mr. Bonjorno responded that they recommend further evaluation to see if that is a possibility.

5. DATA ANALYTICS PROGRAM RECOMMENDATION AND UTILIZATION DASHBOARD PRESENTATION - ACTION

Ms. Gunter explained that recently, additional components of the Parking Utilization Report were developed to accommodate a request made by the City Commission to update the traditional reporting documents with more comprehensive information regarding parking system utilization. As such, there are two additional components that have been included in the Parking Utilization Report, which are the 1) Parking Utilization Dashboard and 2) the 10 a.m. – 2 p.m. Occupancy Tables and Charts. The peak occupancy tables are very valuable in understanding where peak capacity is being hit throughout the month.

SP+ has been providing a representative to assist at the gates when there are back-ups at peak times.

The information the City has been obtaining manually is useful, but does prove to be a challenge for the parking operations team that is not specifically staffed for this purpose and does not possess the sophistication that a data analytics software would provide.

Staff has engaged directly with representatives in the industry with respect to data analytics and parking platform management. Of the companies reviewed, Smarking was the only provider with a web based open architecture that is able to integrate with just over 80% of parking applications in the market today.

To date, there is no other data analytics system as comprehensive as the platform provided by Smarking. Their system can integrate with virtually every parking tool that is out there and can take that data and turn around and provide information that is useful in helping to make decisions about pricing structures, when to over sell, and when to back off. Additionally, the team from Smarking provides on-going analysis and support, because it is a subscription service. They would help to create recommendations for the Committee to consider. As the parking meters are brought online with fully operational sensors and real time information is available through Skidata in the garages, this is a key opportunity to think about how to manage all of the data the City will have access to and creating a real time app for visitors to the downtown.

Mr. Kurt Wedel, Vice President of Sales and Business Development, and Mr. Chris Hayes, Regional Sales Manager for Skidata addressed the group through the speaker system:

- About Smarking - who we are
 - Founded in 2013 by two MIT PhDs
 - You can't manage what you don't measure
 - "Apply data science and yield techniques and technology like used in hotel and airlines"
 - Smarking is the parking industry's leading provider of parking data management software
 - SaaS-based for ease, efficiency and convenience
 - No other company has the breadth and depth of our parking management system
 - We've aggregated close to 50 parking data sources, for a 360 business view of parking portfolios in over 2,000 locations
- About Smarking - our value

- Every municipality is different, and the value propositions are just as varied:
 - Develop, track and enable policy
 - Optimize land use
 - Make data-based decisions as opposed to emotional/subjective
 - Enhance constituent experience - constituents, retailers, businesses
 - Enable transparency with constituents
 - Building a flexible bridge to future technologies and best practices
 - We enable customers to efficiently and easily access information:
 - Occupancy, revenue, duration
 - Discounts, payment, programs, and other variables
 - Bottom line
 - Increase revenue, or change behavior
 - Decrease costs
 - Increase operational knowledge
 - Increase customer satisfaction, both internal and end user customers
- Smarking - visual overview
- Smarking applications
 - Management and analytics
 - Customer applications
 - Internal applications
 - External applications

Chairman Vaitas was informed that the technology would allow people to check on availability of on-street parking with the meters. The sensors have to be fully operational for it to integrate with the system and the City is presently working towards that.

Mr. Wedel noted they have a lot of great municipality customers that are very similar in profile to Birmingham, such as Palo Alto, Walnut Creek, and Santa Monica, CA.

Ms. Yert asked when it is expected that the sensors will be fully operational. Ms. Gunter said it is unknown as this time, but hopes that they will be fully operational before the end of this year.

Mr. O'Dell said from SP+ perspective this will help them do their job better. A system like this allows them to look at the parking as a whole in the City in a way they have never done before. It will save them a lot of time to get the Committee the information that it needs.

In response to Mr. Kalczynski, Ms. Gunter said the parking meters require sensors, but in the garages they will rely more on the in and out data and understanding who are the transient parkers vs. the monthly permit parkers.

Ms. Champagne thought that Smarking should come before all of the Nelson Nygard information. She didn't see how they could implement the Nygard recommendations without all of the data. Others agreed the Committee should have all of the data before taking action.

Commander Albrecht said the Civic Smart sensors are not fully functional for finding parking spaces yet. However, they do provide utilization reports which coupled with the data from the parking structures would be useful in trying to find on-street parking permits. Also it would be very helpful to integrate the two systems when trying to move people temporarily out of the structures.

Ms. Honhart asked if Smarking in the future could find people who are parking in the wrong spots. Ms. Gunter said it depends on the level of enforcement they want to include in the program.

Responding to the Chairman, Ms. Gunter said that staff is asking the APC to consider making the recommendation to subscribe for one year with Smarking at an annual subscription of \$3,294.54 per month (\$39,534 per year) with a one-time installation fee of \$7,906 as an expenditure out of the Parking Enterprise General Fund.

There were no comments from members of the audience at 9:04 a.m.

Ms. Champagne thought the cost over time will pay for itself. Mr. Hayes agreed to update their quote by changing the date.

Motion by Ms. Champagne

Seconded by Ms. Honhart to recommend authorization of an agreement between the City of Birmingham and Smarking for a period of one year to provide parking platform management and data integration for all municipal parking structures and parking meters in the Automated Parking System for a monthly subscription cost of \$3,294.54 per month and a one-time installation fee of \$7,906.

VOICE VOTE

Yeas: Champagne, Honhart, Kalczynski, Krueger, Paskiewicz Vaitas, Yert

Nays: None

Absent: None

Motion carried, 7-0.

6. GARAGE SWEEPER PURCHASE RECOMMENDATION -
ACTION

Ms. Gunter explained that in an effort to maintain a pleasant environment and cleanliness of each of the parking garages, staff recommends the replacement of the existing sweeper that currently requires significant maintenance after each use and at times is inoperable.

The amount required for the purchase has been included in the current fiscal year budget. Two quotes have been obtained. Staff recommends that the APC select the Tennant quote, which is \$6,000 less than the Nilfisk, Inc. quote due to a partnership agreement between Tennant and SP+.

Motion by Ms. Paskiewicz

Seconded by Ms. Champagne to recommend the purchase of the Tennant Sweeper in the amount of \$37,843.00. Funds are available in account #585-538.001-971.0100.

ROLLCALL VOTE

Yeas: Paskiewicz, Champagne, Honhart, Kalczynski, Krueger, Vaitas, Yert

Nays: None

Absent: None

Motion carried, 7-0.

7. PARKING GARAGE HANDICAP PARKING SPACES
SURVEY AND RECOMMENDATION - ACTION

Mr. Imerman explained that the Birmingham Sr. Men's Club meets at the Community House every Friday. They mainly park at the Chester St. garage where there are 26 handicap parking spots. He realizes that the 26 spots exceeds the 17 that are required under the law. However, residents of the Baldwin House must be provided free parking in that facility. He asked the APC to re-examine the 26 handicap spaces in light of the current demand. He suspects some of the handicap spaces in the Chester St. garage are taken by residents of Baldwin House.

Ms. Gunter explained that SP+ was asked to observe utilization of parking spaces for people with disabilities. The observation period was from September 10 through September 14, 2018. It was observed in both the Peabody and Park St, garages that the percentage of occupied handicap spaces throughout the

peak periods of the day was above 86% at all times and often at 100%. The Peabody garage has 7 handicap parking spaces and Park St. has 17.

Staff recommends that the Committee consider adding an additional two spaces at Peabody and an additional four spaces at Park St. garage based on the findings. After about a month another count will be taken to determine if they are still at 100% capacity on those spaces. Further, staff will try their best to understand who is using the spaces, and whether they are permit owners who are daily users. That will impact some of the decision making.

Given there are 26 spaces in Chester that on average are not fully utilized and are meeting the daily needs of the Baldwin House, they cannot necessarily plan for the number of spaces that will only be required for one certain event.

Motion by Ms. Yert

Seconded by Ms. Paskiewicz to recommend an additional two handicapped parking spaces be added in the Peabody garage and an additional four handicapped parking spaces be added to the Park St. garage.

VOICE VOTE

Yeas: Yert, Paskiewicz, Honhart, Kalczynski, Krueger, Vaitas

Nays: Champagne

Absent: None

Motion carried, 6-1.

Ms. Champagne indicated that she opposes the motion because she is convinced that there is a lot of abuse of handicap stickers.

8. LOT 12 PARKING COUNT SURVEY AND RECOMMENDATION - ACTION

Ms. Gunter informed the group that SP+ was asked to observe utilization of parking spaces in the newly constructed Lot 12. The observation period was from September 13 through September 28, 2018.

While it is known that they are completely sold out on the allotted number of passes (150), they are not seeing more than ten cars parking in the lot daily. There are 138 parking spaces available in the lot. These passes are sold quarterly. Therefore staff recommends increasing the number of permits to be sold on Lot 12 by another 50 for the upcoming quarter. This is an opportunity to decrease the permit wait list for 18 months until the lot becomes unavailable. Staff will continue to observe utilization patterns to ensure that the lot is available

for all individuals who purchased a pass and will do quarterly surveys to adjust the number of available passes.

Mr. O'Dell said one of the things that is happening is that companies are buying these permits for their employees, but the employees don't want to park there so they are paying the daily rate in the garages.

The Committee members agreed to raise the number of permits by an additional 75 for the upcoming quarter.

Motion by Ms. Honhart

Seconded by Ms. Champagne to recommend authorization of an additional 75 parking permits for Lot 12.

VOICE VOTE

Yeas: Honhart, Champagne, Paskiewicz, Vaitas, Yert

Nays: None

Absent: Kalczynski, Krueger

Motion carried, 5-0.

9. BSD ANNUAL HOLIDAY MARKETING CAMPAIGN - ACTION

Ms. Gunter advised that once again this year, the Birmingham Shopping District ("BSD") will air a holiday marketing campaign to include advertising on WXYZ TV Channel 7, WDIV Channel 4 and Comcast cable channels. The ads will highlight the downtown shopping, dining and spa experience. Each of the ads will promote the popular "2 Hours Free Parking in the Decks" program, as they have in years past. The goal of the ads is to drive traffic to downtown Birmingham, benefiting merchants and the parking system. This year the BSD is committing a total of \$55,000 for the holiday shopping campaign. They are requesting the APC to approve a \$25,000 commitment from the parking fund for the campaign. This would be the sixth year of a financial commitment from the APC. This is the exact same contribution as last year.

Motion by Ms. Champagne

Seconded by Ms. Yert to recommend an expenditure of \$25,000 from the Parking Enterprise Fund in support of the BSD holiday television campaign.

VOICE VOTE

Yeas: Champagne, Yert, Honhart, Paskiewicz, Vaitas

Nays: None

Absent: Kalczynski, Krueger

Motion carried, 5-0.

10. MONTHLY FINANCIAL REPORTS

Mr. O'Dell noted that nothing stands out in the financial reports. He added that Professor Shoop from California and author of *The High Cost Of Free Parking* came up with some new recommendations that talk about spending parking money outside. His rationale is that when prices are increased to help with behavior models it helps to show where the money is going. So his recommendation is to use it in a city program so that people can see where their money is actually going and that it is doing some good.

11. MEETING OPEN FOR MATTERS NOT ON THE AGENDA

Ms. Paskiewicz observed that Skidata machines appear everywhere in the world.

Mr. Fletcher reported on the progress with the Lot 6 design. Staff recently received the concept plan and they are conducting a survey to complete the plan and get a preliminary plan going. It is hoped that will be done by the end of this year so it can be bid out and started in the Spring.

12. NEXT REGULARLY SCHEDULED MEETING

November 3, 2018

ADJOURNMENT

No further business being evident, the Chairman adjourned the meeting at 9:35 a.m.

City Engineer Paul O'Meara

Assistant City Manager Tiffany Gunter



MEMORANDUM

Engineering Dept.

DATE: November 2, 2018

TO: Advisory Parking Committee

FROM: Austin W. Fletcher, Assistant City Engineer

SUBJECT: Parking Lot #6 Rehabilitation/Expansion Update

At the meeting of May 2, 2018, the Advisory Parking Committee (APC) recommended that Parking Lot #6 be rehabilitated and expanded using Option #3 (the larger of the two expansion options). This recommendation was approved by the City Commission on June 25, 2018.

The following is a brief update on the status of this project:

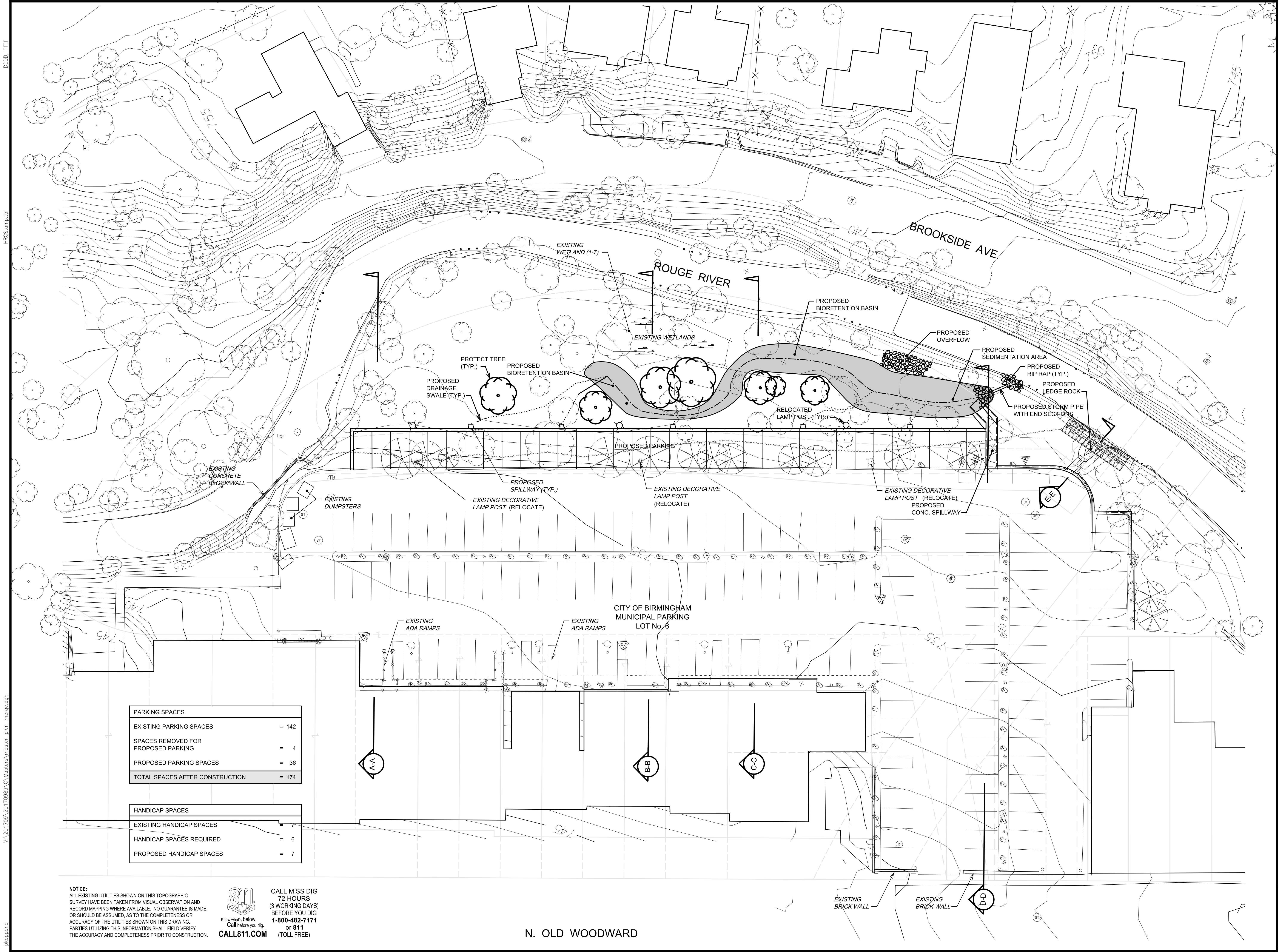
1. Hubbell, Roth & Clark (HRC) was directed to obtain the topographical information, develop plans and assist with permitting and the creation of the specifications;
2. Two (2) concept plans have been developed to date for consideration and comments – see attached;
3. The City staff's intent is to present the two (2) concepts to an upcoming City Commission Meeting for approval (likely either 11/19 or 12/3);
4. The project is currently on schedule to be bid in early 2019 with the intent to begin construction in April 2019 and be completed in May 2019 to minimize disruption to the Farmers Market and surrounding businesses;

Both concepts include a bio-retention basin (to improve storm water quality), a river access amenity (to maintain and improve access to the river), tree replacement (the intent is to replace trees lost due to construction 1 for 1) and lighting upgrades (new and additional). It should also be noted that every effort will be made during the design and construction to minimize the elimination of trees and bush in the area between the parking lot and the Rouge River.

The primary differences between the two (2) concepts revolve around meeting the City's parking landscape requirements. Concept #1 does not take into consideration these requirements (other than knee wall screening and tree replacement) in order to maximize the additional parking that can be provided (net gain of 32 additional spaces). Concept #2 conforms to all of the City's parking landscape requirements with a net gain of 17 additional parking spaces.

SUGGESTED RECOMMENDATION:

The Advisory Parking Committee recommends that City Commission authorize the restoration of Parking Lot #6, using Concept ____.



PARKING SPACES	
EXISTING PARKING SPACES	= 142
SPACES REMOVED FOR PROPOSED PARKING	= 4
PROPOSED PARKING SPACES	= 36
TOTAL SPACES AFTER CONSTRUCTION	= 174

HANDICAP SPACES	
EXISTING HANDICAP SPACES	= 7
HANDICAP SPACES REQUIRED	= 6
PROPOSED HANDICAP SPACES	= 7

NOTICE:
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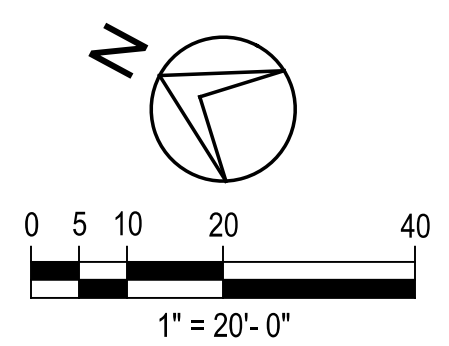
N. OLD WOODWARD



HRC
HUBBELL, ROTH & CLARK, INC
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FAX (2nd Floor): (248) 454-6359
WEB SITE: <http://www.hrcengr.com>



DATE	ISSUED FOR / ADDITIONS / REVISIONS
08-30-18	ISSUED FOR OWNER REVIEW
DESIGNED	D.J.S. / J.J.S.
DRAWN	J.A.R.
CHECKED	J.J.S.
APPROVED	M.C.M.



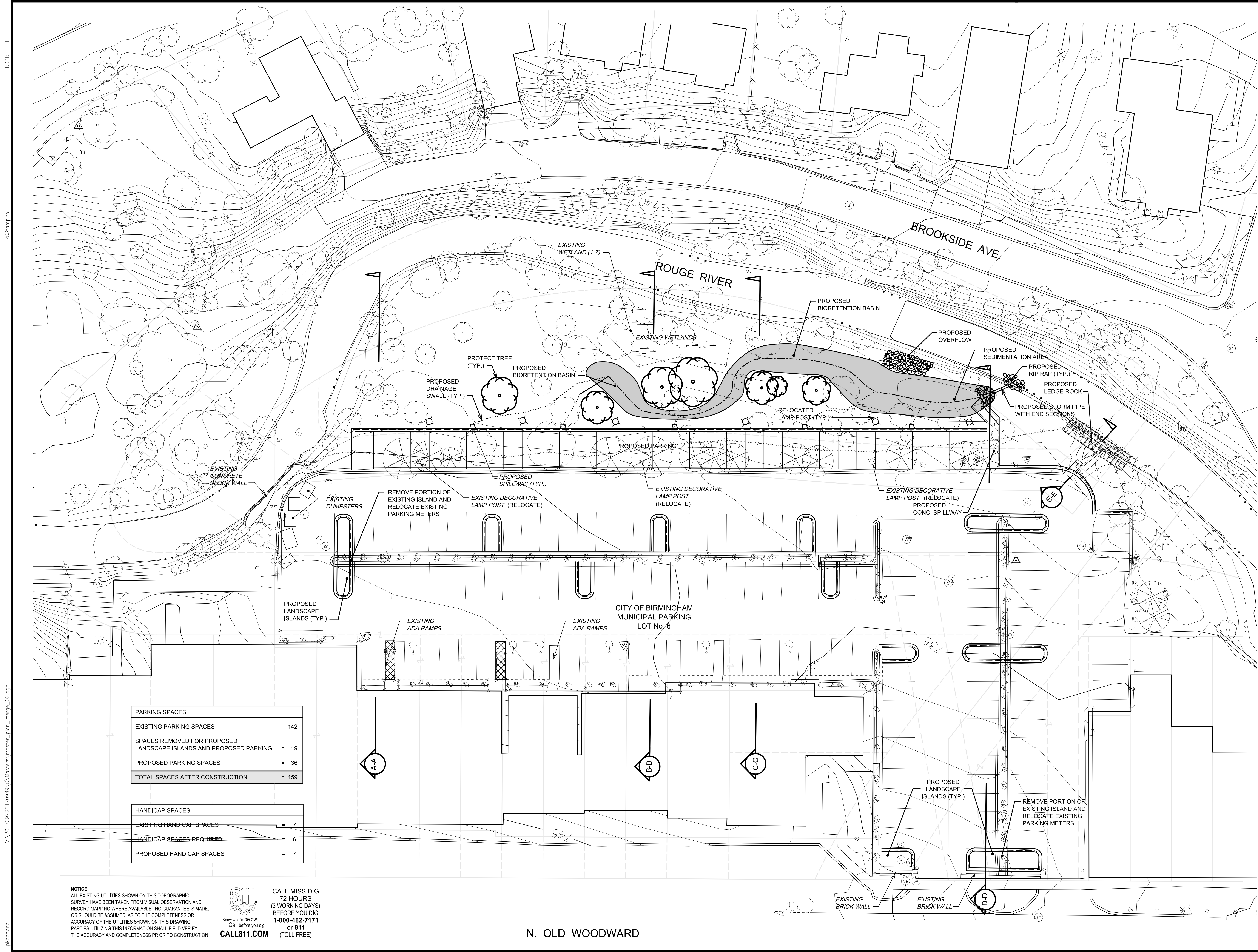
CITY OF BIRMINGHAM
**MUNICIPAL PARKING
LOT No. 6
REHABILITATION**

OAKLAND COUNTY MICHIGAN

**PRELIMINARY PLAN
CONCEPT 1**

HRC JOB NO. 201709898	SCALE 1" = 20'
DATE AUGUST 2018	SHEET NO. C-01 OF

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PARKING SPACES	
EXISTING PARKING SPACES	= 142
SPACES REMOVED FOR PROPOSED LANDSCAPE ISLANDS AND PROPOSED PARKING	= 19
PROPOSED PARKING SPACES	= 36
TOTAL SPACES AFTER CONSTRUCTION	= 159

HANDICAP SPACES	
EXISTING HANDICAP SPACES	= 7
HANDICAP SPACES REQUIRED	= 6
PROPOSED HANDICAP SPACES	= 7

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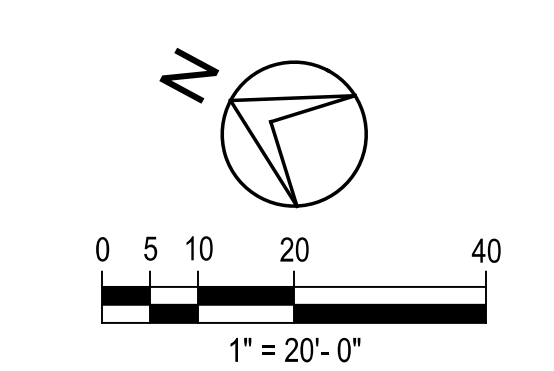
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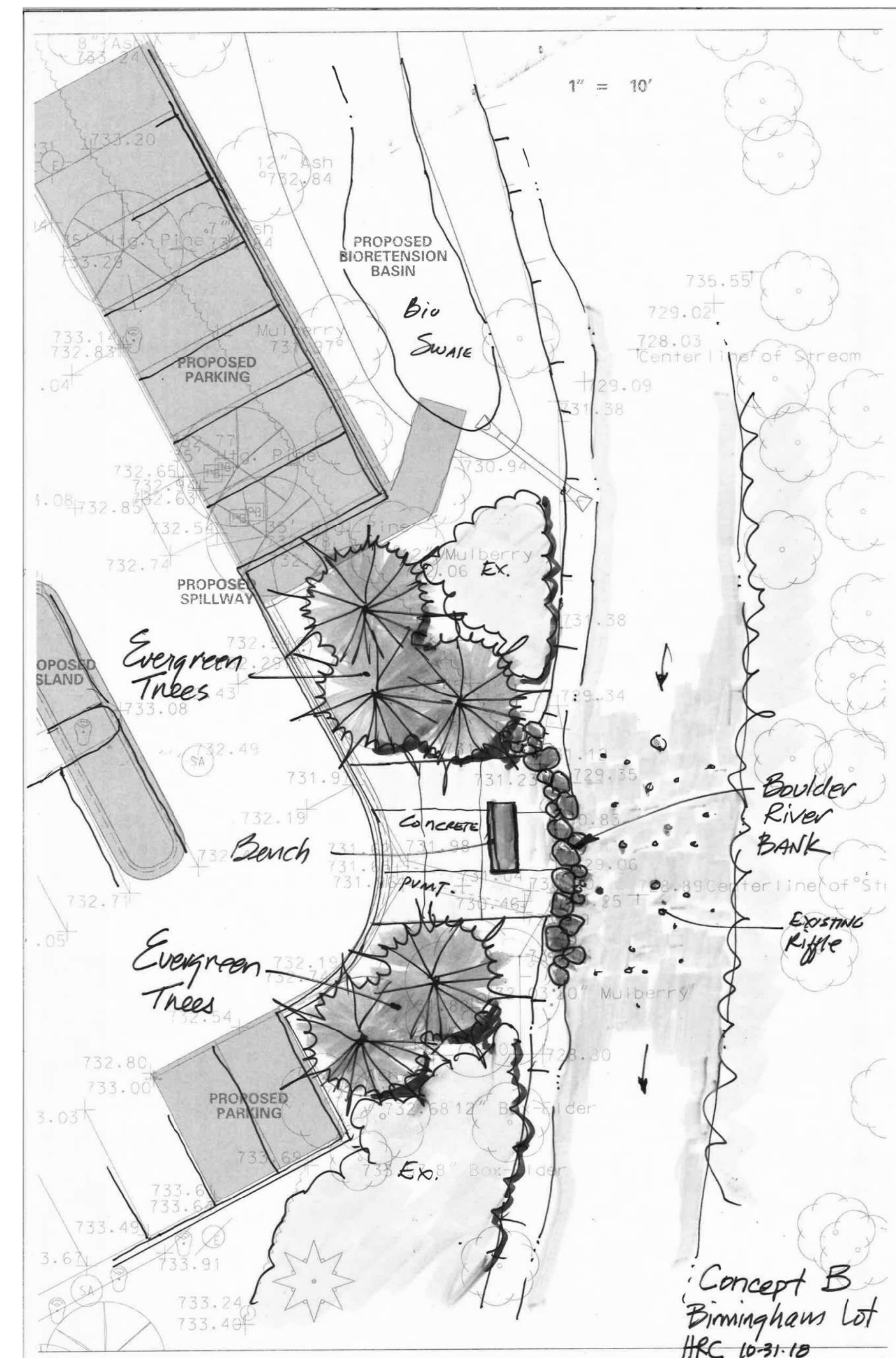


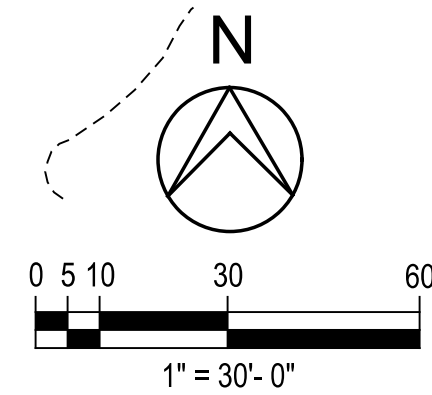
CITY OF BIRMINGHAM
**MUNICIPAL PARKING
LOT No. 6
REHABILITATION**

OAKLAND COUNTY MICHIGAN

**PRELIMINARY PLAN
CONCEPT 2**

HRC JOB NO. 201709898	SCALE 1" = 20'
DATE AUGUST 2018	SHEET NO. C-02 OF





Date: 9-12-2018 Time: 8:45pm-9:43pm EST
Location: Birmingham Parking Lot No.6
Mounting Ht., spacing, arrangement, special circumstances:
Existing light standards, HADCO custom & DTE HPS
Interferences, Surrounding conditions, extraneous light sources:
Cars in lot, street lighting nearby
Description of Instrument: Konica Minolta T10 Illuminance Meter 2006
Names of measuring personnel: B. Hetchler
Pavement type: Asphalt
Weather & Sky conditions: Very Cloudy, new moon-approx. 12.5% illuminated
Readings: 110 point readings at ground level
Min.-.013fc (IES recommends .5fc min., Birmingham requires .2fc min.);
Avg.-.176527fc;
Max.-1.753fc
Avg/Min: 13.57902:1 (IES recommends 4:1)
Max/Min: 134.8462:1 (Birmingham requires 20:1)

HRC

HUBBELL, ROTH & CLARK, INC

CONSULTING ENGINEERS SINCE 1915

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FAX (2nd Floor): (248) 454-6359

WEB SITE: [http:// www.hrcenr.com](http://www.hrcenr.com)

DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	B.B.Hetchler
DRAWN	B.B.Hetchler
CHECKED	R.H.Waters
APPROVED	J.J.Surhigh

KEY PLAN

PROJECT TITLE

CITY OF BIRMINGHAM

PARKING LOT NO. 6
REHABILITATION

ADDRESS
CITY

PART OF THE XX OF SECTION XX, TXX, RXX
XXX COUNTY MICHIGAN

SHEET TITLE

EXISTING ELECTRICAL
PHOTOMETRICS

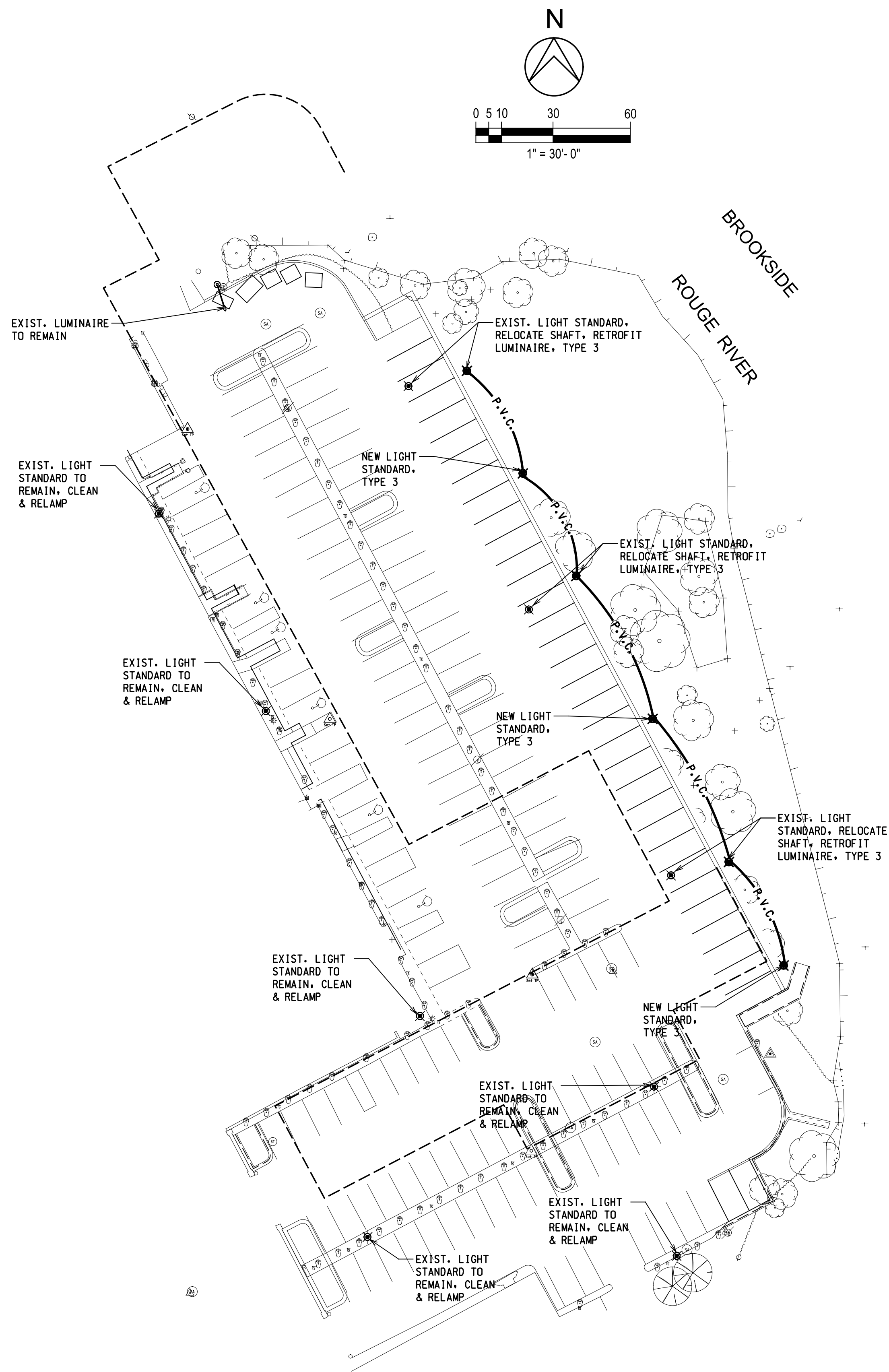
HRC JOB NO.
20170989

SCALE
1" = 30'

DATE
AUGUST 2018

SHEET NO.
FC 01
OF

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






SITE PLAN

SCALE: 1"=30'-0"

GENERAL ELECTRICAL NOTES:

3. THIS CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR AS REQUIRED FOR A COMPLETE, REVISED ELECTRICAL SYSTEM.
4. OTHER PROJECTS ARE, OR MAY BE, UNDER CONSTRUCTION AT THIS SITE, AND THIS CONTRACTOR SHALL COORDINATE WITH THEM SO AS NOT TO DELAY THEIR SCHEDULES OR IMPEDE THEIR WORK.
5. THIS CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES.
6. THE CONTRACTOR SHALL VISIT THE JOB SITE, THOROUGHLY CHECK THE EXISTING FIELD CONDITIONS AND EXISTING ELECTRICAL INSTALLATIONS AND UTILITIES (ELECTRICAL AND TELEPHONE), AND CLARIFY ALL DISCREPANCIES WITH THE ENGINEER BEFORE SUBMITTING A BID. AS NO EXTRAS WILL BE ALLOWED FOR OMITTED WORK DUE TO HIS FAILURE TO INSPECT THE PREMISES.
7. ALL ELECTRICAL WORK SHALL COMPLY WITH N.E.C., LOCAL CODES, ORDINANCES AND REGULATIONS INCLUDING THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT.
8. ALL MATERIALS SHALL BE NEW AND BEAR THE UL LABEL.
9. ALL WIRE SHALL BE RATED AT 600 VOLTS, COPPER, MINIMUM SIZE NO. 12 A.W.G. INSTALLED IN CONDUIT, RIGID GALV. STEEL OR P.V.C., SIZED AS SHOWN ON THE DRAWINGS, MINIMUM SIZE 3/4". WIRE SHALL BE TYPE "RHW-USE".
10. WHEN THE JOB IS COMPLETE, CONTRACTOR SHALL PROVIDE THE OWNER WITH CERTIFICATE OF APPROVAL FROM THE ELECTRICAL INSPECTION AUTHORITY AND SHALL PROVIDE THE OWNER WITH A ONE YEAR WRITTEN GUARANTEE ON ALL NEW MATERIALS AND LABOR.
11. ELECTRICAL ENCLOSURES, SUPPORT RACKS, CONDUIT SYSTEMS, ETC., SHALL BE THOROUGHLY GROUNDED IN ACCORDANCE WITH THE N.E.C. AND ALL LOCAL CODES.
12. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A POLYPROPYLENE FISH LINE.
13. PROVIDE WATERTIGHT HUBS AT CONDUIT ENTRANCES TO ALL WATERTIGHT (NEMA 4) ENCLOSURES.
14. PROVIDE A GREEN GROUND CONDUCTOR IN ALL SYSTEMS CONDUITS.
15. ALL FUSES SHALL BE U.L. LISTED AS MANUFACTURED BY BUSSMAN MANUFACTURING CO., OR APPROVED EQUAL.
16. THE FOLLOWING ITEMS OR EQUIPMENT AND MATERIALS SHALL BE SUBMITTED FOR APPROVAL BY REFERENCE TO MANUFACTURER AND SPECIFIC CATALOG AND MODEL NUMBER:
- | CONDUIT
FUSE HOLDERS
POLE | HANDHOLE
FUSES
SPLICE KITS | WIRE
LTG. FIXTURE |
|---------------------------------|----------------------------------|----------------------|
| | | |
17. THE CONTRACTOR SHALL RESTORE ALL AREAS OF THE SITE AFFECTED BY HIS INSTALLATION OPERATION TO MATCH CONDITIONS AS THEY WERE PRIOR TO HIS INSTALLATION WORK.
18. SPLICING OF CABLES AT 1000 VOLTS OR LESS, SHALL UTILIZE INLINE COMPRESSION, SPLIT BOLT, H OR C TAP CONNECTORS WITH INSULATING AND SEALING MATERIALS FOR POSITIVE WATERTIGHT CONNECTIONS. THE INSULATING AND SEALING MATERIALS SHALL BE WATERTIGHT AND SUITABLE FOR DIRECT BURIAL AND SHALL CONSIST OF MOLDS AND RESINS, 3M "SCOTCHCAST" KITS OR EQUAL; SELF-BONDING RUBBER INSULATING TAPE, 3M "SCOTCH" NO. 130C OR EQUAL; SELF-FUSING VINYL RUBBER INSULATING PADS OR TAPE, 3M "SCOTCH" NO. 2200, NO. 2210 OR EQUAL; OR COLO SHINK MATERIALS, 3M 8400 SERIES OR EQUAL. NO HEAT SHINK MATERIALS WILL BE ALLOWED.
19. DIRECT BURIAL LIGHTING SHALL BE INSTALLED 24" BELOW GRADE (MIN.). DIRECT BURIAL SECONDARY CONDUITS SHALL BE INSTALLED 30" BELOW GRADE.
20. COORDINATE ALL ELECTRICAL UNDERGROUND WORK WITH NEW AND EXISTING UNDERGROUND UTILITIES BEFORE INSTALLATION.
21. HAND DIG WHERE REQUIRED TO LOCATE EXISTING UTILITIES PRIOR TO INSTALLATION OF THE DIRECT BURIAL ROADWAY LIGHTING CONDUIT.
22. IN AREAS WITH EXISTING TREES, THE CONTRACTOR SHALL CAREFULLY EXCAVATE THE CONDUIT RUNS SO AS NOT TO DAMAGE MAIN ROOTS OF TREES. DO NOT CUT OR REMOVE MAIN ROOTS OF TREES, BUT RUN CONDUIT AROUND ROOTS AS MAY BE REQUIRED BY FIELD CONDITIONS.
23. ALL LIGHTING POLES SHALL BE STORED WITH WOOD BLOCKING SEPARATION AND CARE SHALL BE TAKEN SO AS NOT TO DAMAGE THE FACTORY FINISH OF POLES AND LUMINAIRES. ALL DAMAGE SHALL BE TOUCHED UP WITH FACTORY APPROVED TOUCH-UP PAINT.
24. EXTREME CARE SHALL BE EXERCISED DURING POLE BASE & POLE PLACEMENT, SO THAT ANCHOR BOLTS ARE CORRECTLY ALIGNED, POLES ARE PLUMB, LUMINAIRES ARE HORIZONTAL AND ORIENTATED AS SHOWN ON THE PLANS.
25. FINAL LOCATIONS OF LIGHT STANDARDS, CONDUIT, HANDHOLES AND LIGHTING AND CONTROL ENCLOSURES SHALL BE FIELD ADJUSTED AS DIRECTED BY THE ENGINEER TO AVOID CONFLICTS THAT MAY BE ENCOUNTERED.
26. ALL U/G CONDUITS SHALL BE SCHEDULE 40 P.V.C.
27. COMPLETE UNDERGROUND SYSTEM SHALL BE INSPECTED AND CERTIFIED PRIOR TO BACKFILLING, BY THE LOCAL BUILDING DEPARTMENT ELECTRICAL INSPECTOR.
28. PROVIDE A COMPLETE UNDERGROUND SYSTEM AS SHOWN INCLUDING ALL EXCAVATION AND BACKFILL. ALL CONDUIT JOINTS SHALL BE MADE WATERTIGHT.
29. ALL THREADED ELECTRICAL EQUIPMENT (CONDUIT, COUPLINGS, JUNCTION BOXES, ETC.) INSTALLED OUTDOORS SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.
30. ALL DIRECT BURIAL CONDUITS BELOW ROADWAYS OR PARKING LOT SHALL BE BACKFILLED TO 95% COMPACTION OF MAXIMUM DENSITY OF MDT GRANULAR MATERIAL, CLASS 2.
31. PROPOSED PARKING LOT LIGHTING SYSTEM VOLTAGE SHALL BE VERIFIED IN THE FIELD.
32. ADJUST LOCATION OF DIRECT BURIAL CONDUITS IN THE FIELD TO AVOID CONFLICTS. IN GENERAL THE CONDUITS SHALL BE RUN IN A STRAIGHT LINE BETWEEN POLES AND HANDHOLES.
33. SAW-CUT EXIST. ASPHALT PAVEMENT TO FULL DEPTH (3" +), 1'-0" MIN. WIDE FOR CONDUIT TRENCH. REPLACE PAVEMENT TO MATCH EXISTING.
34. REMAINING VOID SHALL BE BACKFILLED TO 95% COMPACTION OF MAXIMUM DENSITY OF MDT GRANULAR MATERIAL, CLASS 2.
35. ALL SALVAGED MATERIALS SHALL BE TURNED OVER TO THE OWNER OR DISPOSED OF AS DIRECTED BY THE OWNER.

ELECTRICAL LEGEND

ITEM	DESCRIPTION
	DIRECT BURIAL LIGHTING CONDUIT
	PROPOSED LIGHT STANDARD
	PRECAST ROUND HANDHOLE
N.T.S.	NOT TO SCALE
	EXISTING UTILITY POLE
	EXISTING LIGHT STANDARD
	EXISTING UTILITY LIGHT STANDARD
	EXISTING UNDERGROUND TO BE REMOVED OR ABANDONED

[illegible]

KEY PLAN

PROJECT TITLE

CITY OF BIRMINGHAM

PARKING LOT NO. 6 REHABILITATION

ADDRESS
CITY

PART OF THE XX OF SECTION XX, TXN, RXE
XXX COUNTY MICHIGAN

SHEET TITLE

ELECTRICAL LIGHTING PLAN OPTION 1

HRC JOB NO. 20170989	SCALE 1" = 30'
DATE AUGUST 2018	SHEET NO. E 01 OF

NOTICE:
ALL EXISTING UTILITIES SHOWN ON THIS TOPOGRAPHIC SURVEY HAVE BEEN TAKEN FROM VISUAL OBSERVATION AND RECORD MAPPING WHERE AVAILABLE. NO GUARANTEE IS MADE, OR SHOULD BE ASSUMED, AS TO THE COMPLETENESS OR ACCURACY OF THE UTILITIES SHOWN ON THIS DRAWING. PARTIES UTILIZING THIS INFORMATION SHALL FIELD VERIFY THE ACCURACY AND COMPLETENESS PRIOR TO CONSTRUCTION.



CALL MISS DIG
72 HOURS
(3 WORKING DAYS)
BEFORE YOU DIG
1-800-482-7171
or **811**
(TOLL FREE)



PRINCIPALS
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Nancy M.D. Faught
Keith D. McCormack
Jesse B. VanDeCreek
Roland N. Alix
Michael C. MacDonald
James F. Burton
Charles E. Hart

SENIOR ASSOCIATES
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William R. Davis
Dennis J. Benoit
Robert F. DeFraim
Thomas D. LaCross
Albert P. Mickalich
Timothy H. Sullivan
Thomas G. Maxwell

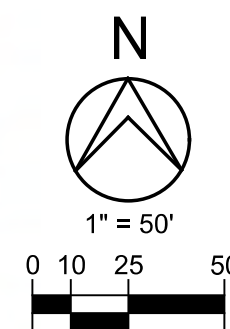
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Bradley W. Shepler
Karyn M. Stickel
Jane M. Graham
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Salvatore Conigliario

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EMAIL: info@hrc-engr.com

City of Birmingham
Parking Lot No. 6 Resurfacing and Environmental Enhancements
Preliminary Estimate
HRC Job No. 20170989

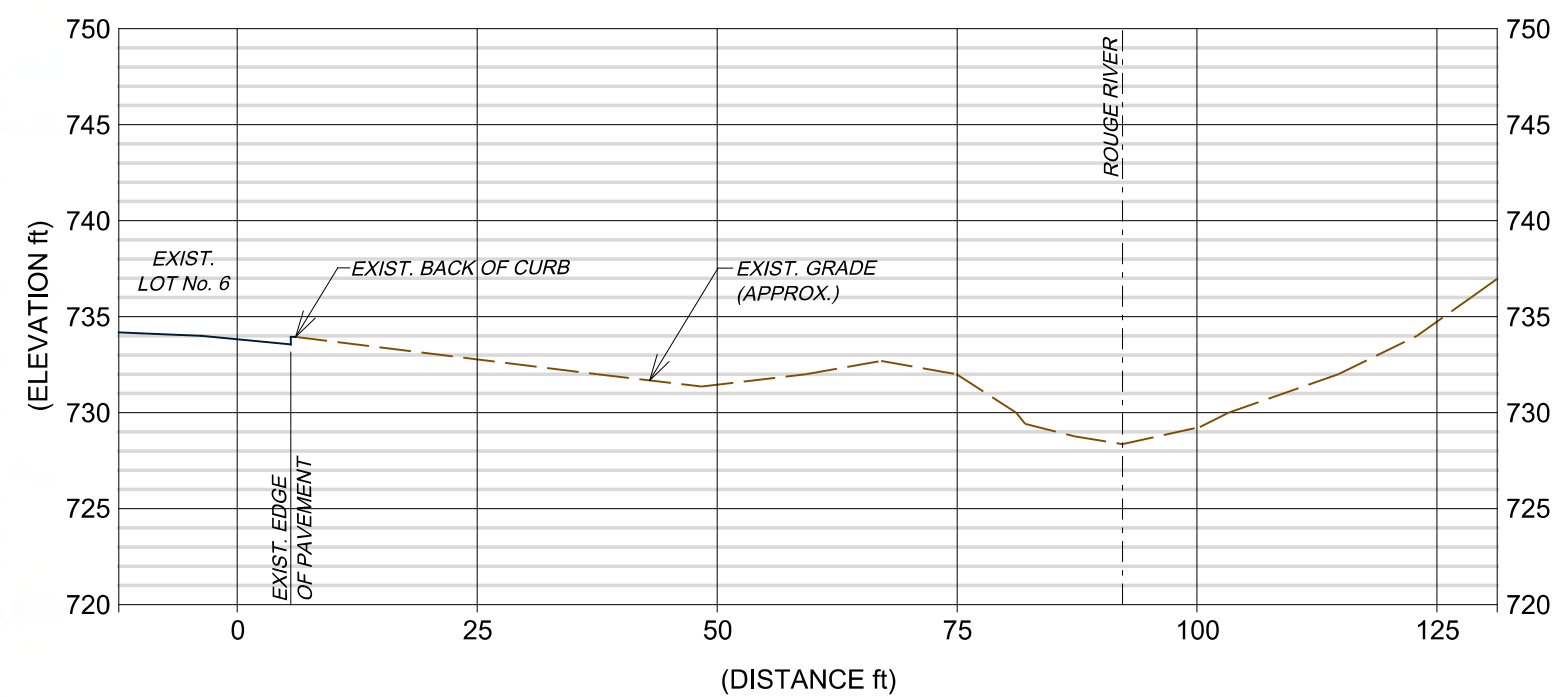
		Concept 1 - Resurface with Full Lane Expansion and Bioretention (No New Islands, No New Lighting)			Concept 2 - Resurface with Full Lane Expansion and Bioretention (New Islands and Lighting)		
Pay Item	Item Description	Quantity	Unit Price	Total Cost	Quantity	Unit Price	Total Cost
1	Mobilization, Max 5%	1 LS	\$20,200.00	\$20,200.00	1 LS	\$26,300.00	\$26,300.00
2	Cold Milling HMA, Surface 2"	4125 syd	\$6.00	\$24,750.00	4125 syd	\$6.00	\$24,750.00
3	HMA, 5E03, Mod	575 ton	\$110.00	\$63,250.00	520 ton	\$110.00	\$57,200.00
4	Pavement Removal	500 syd	\$10.00	\$5,000.00	500 syd	\$10.00	\$5,000.00
5	21AA Aggregate Base, 12", undercutting	298 cyd	\$20.00	\$5,960.00	298 cyd	\$20.00	\$5,960.00
6	Soil Erosion Control Measures	1 LS	\$10,000.00	\$10,000.00	1 LS	\$10,000.00	\$10,000.00
7	Curb and Gutter	570 lft	\$35.00	\$19,950.00	570 lft	\$35.00	\$19,950.00
8	Curb Removal	525 lft	\$15.00	\$7,875.00	525 lft	\$15.00	\$7,875.00
9	Adjust Structure	3 ea	\$650.00	\$1,950.00	3 ea	\$650.00	\$1,950.00
10	Restoration	1 LS	\$15,000.00	\$15,000.00	1 LS	\$15,000.00	\$15,000.00
11	Maintenance of Traffic	1 LS	\$7,500.00	\$7,500.00	1 LS	\$7,500.00	\$7,500.00
12	MDEQ Permit Fee Allowance	1 LS	\$5,000.00	\$5,000.00	1 LS	\$5,000.00	\$5,000.00
13	Restriping	1 LS	\$3,000.00	\$3,000.00	1 LS	\$3,000.00	\$3,000.00
14	Replace Bollard	1 LS	\$750.00	\$750.00	1 LS	\$750.00	\$750.00
15	Excavation, Earth	2400 cyd	\$15.00	\$36,000.00	2400 cyd	\$15.00	\$36,000.00
16	HMA, 3C	150 ton	\$90.00	\$13,500.00	150 ton	\$90.00	\$13,500.00
17	21AA Aggregate Base, 6", pavement	130 cyd	\$75.00	\$9,750.00	130 cyd	\$75.00	\$9,750.00
18	Decorative Light Pole Relocation	4 ea	\$2,500.00	\$10,000.00	4 ea	\$2,500.00	\$10,000.00
19	Relocate Bench	1 ea	\$500.00	\$500.00	1 ea	\$500.00	\$500.00
20	Parking Meter Removal	2 ea	\$250.00	\$500.00	6 ea	\$250.00	\$1,500.00
21	Parking Meter Installation	34 ea	\$250.00	\$8,500.00	34 ea	\$250.00	\$8,500.00
22	Tree Removal	28 ea	\$1,000.00	\$28,000.00	28 ea	\$1,000.00	\$28,000.00
23	Clearing	1 LS	\$10,000.00	\$10,000.00	1 LS	\$10,000.00	\$10,000.00
24	Tree Plantings	28 ea	\$500.00	\$14,000.00	28 ea	\$500.00	\$14,000.00
25	Peat Fill Material	900 cyd	\$40.00	\$36,000.00	900 cyd	\$40.00	\$36,000.00
26	Sedimentation Fill Material	200 cyd	\$25.00	\$5,000.00	200 cyd	\$25.00	\$5,000.00
27	Plantings	1 LS	\$50,000.00	\$50,000.00	1 LS	\$50,000.00	\$50,000.00
28	Rip Rap at Outlet to River	20 cyd	\$100.00	\$2,000.00	20 cyd	\$100.00	\$2,000.00
29	Geotextile Fabric at Outlet to River	20 syd	\$50.00	\$1,000.00	20 syd	\$50.00	\$1,000.00
30	Concrete and stone spillway	5 ea	\$1,000.00	\$5,000.00	5 ea	\$1,000.00	\$5,000.00
31	Aesthetic Additions	1 LS	\$5,000.00	\$5,000.00	1 LS	\$5,000.00	\$5,000.00
Additional Items for Parking Lot Standard Compliance							
A	Pavement Removal (Extra Islands)				393 syd	\$10.00	\$3,930.00
B	Ground Cover (Extra Islands)				284 syd	\$6.00	\$1,704.00
C	Curb and Gutter (Extra Islands)				655 lft	\$35.00	\$22,925.00
D	Remove and Replace ADA Ramp				1 LS	\$10,000.00	\$10,000.00
E	Additional Lighting	1 LS	\$24,000.00	\$24,000.00	1 LS	\$85,000.00	\$85,000.00
G	Backfill (Extra Islands)				146 cyd	\$20.00	\$2,920.00
ESTIMATED CONSTRUCTION COSTS				\$448,935.00	\$552,464.00		
Construction Contingency (15% of total cost)				\$67,300.00	\$82,800.00		
TOTAL PROJECT COST				\$516,235.00	\$635,264.00		

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APPROXIMATE LIMITS
OPTION 1 RESURFACING

- NOTES:
1. PROTECT EXISTING STAND OF PINE TREES ALONG THE EAST SIDE OF THE PARKING LOT.
 2. PLANT ARBORVITAE (70 TOTAL @ 4' o.c.) BETWEEN EXISTING PINES FOR ADDITIONAL SCREENING.



SITE SECTION - A
SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

CITY OF BIRMINGHAM
PARKING LOT No. 6 REHABILITATION
DESIGN OPTION 1



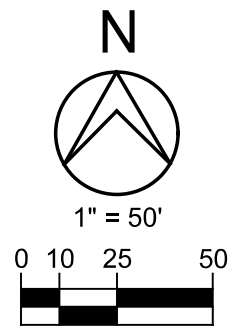
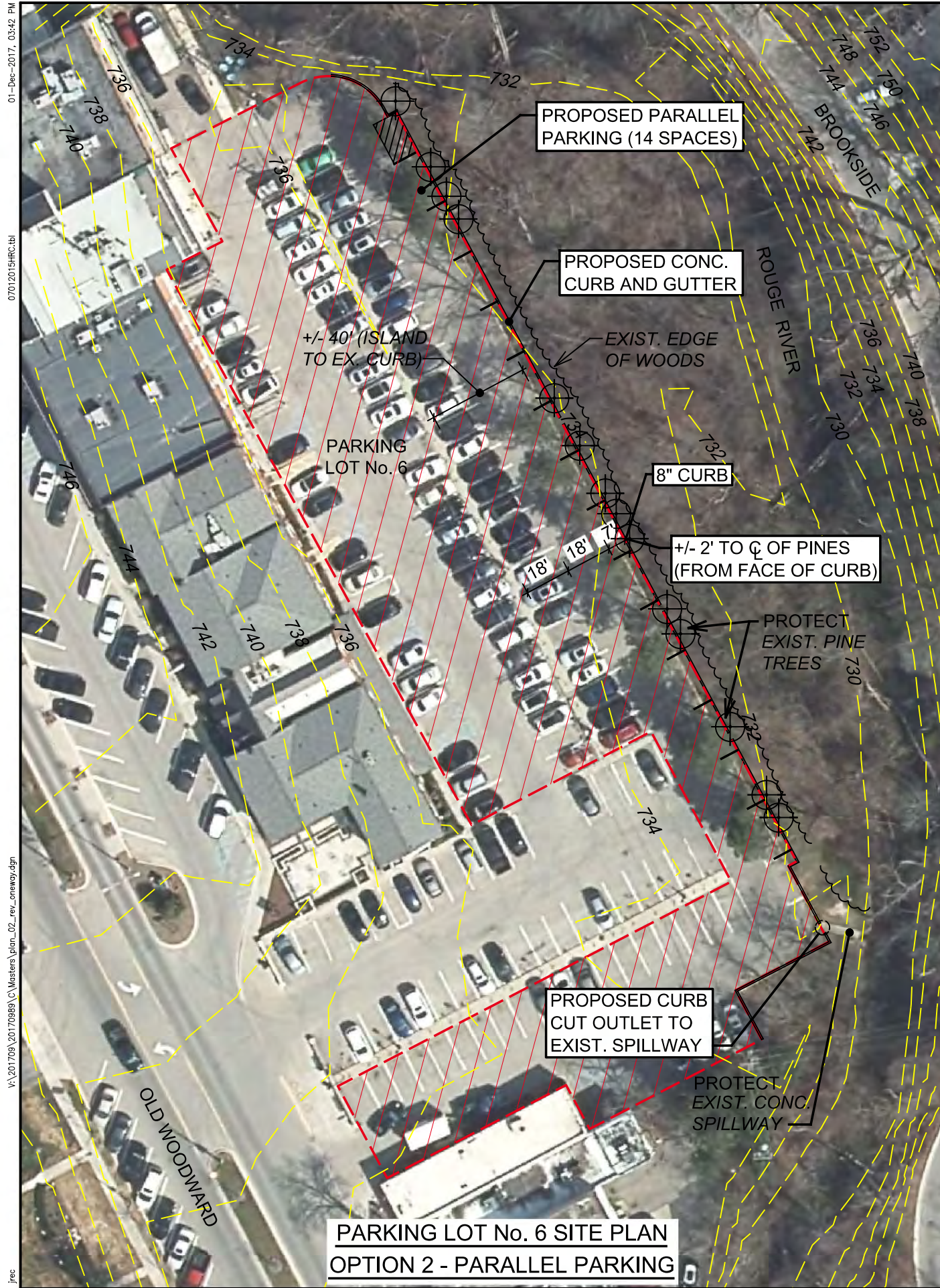
JOB NO.
20170989
DATE
NOV. 2017



555 HULET DRIVE
BLOOMFIELD HILLS, MICH.
P.O. BOX 824
48303 - 0824
PHONE: (248) 454-6300
FAX (1st Floor): (248) 454-6312
FAX (2nd Floor):
WEB SITE: [http:// www.hrcengr.com](http://www.hrcengr.com)

FIGURE
01

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 APPROXIMATE LIMITS
OPTION 2 RESURFACING

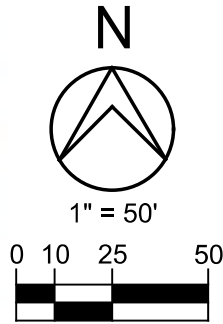
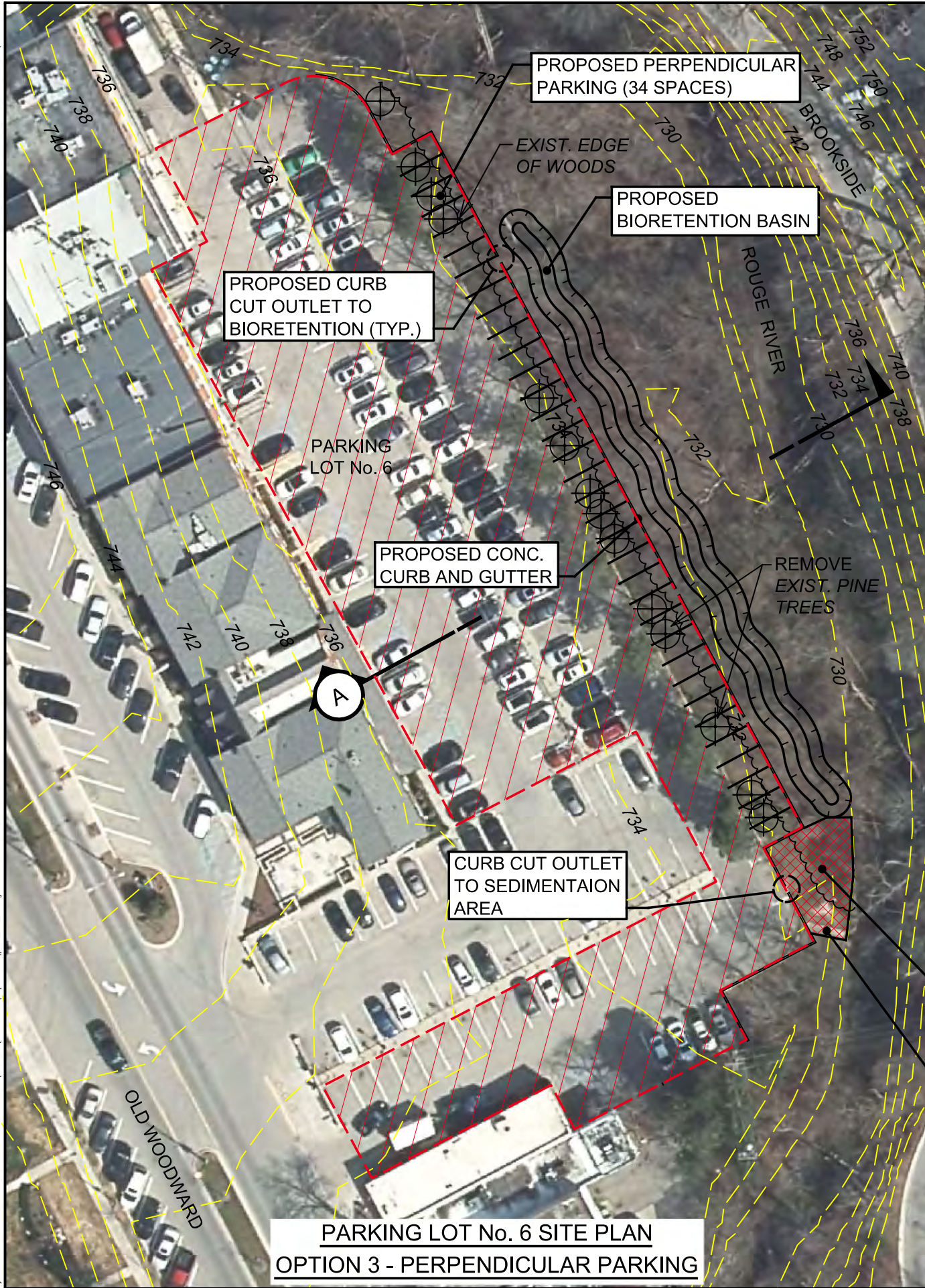
NOTES:

1. PROTECT EXISTING STAND OF PINE TREES ALONG THE EAST SIDE OF THE PARKING LOT.
2. EXISTING LIGHT POLES (4 TOTAL) WILL NEED TO BE RELOCATED TO ACCOMODATE NEW PARALLEL PARKING.
3. PLANT ARBORVITAE (70 TOTAL @ 4' o.c.) BETWEEN EXISTING PINES FOR ADDITIONAL SCREENING.

CITY OF BIRMINGHAM
PARKING LOT No. 6 REHABILITATION
DESIGN OPTION 2

	JOB NO. 20170989	 HUBBELL, ROTH & CLARK, INC CONSULTING ENGINEERS SINCE 1915	555 HULET DRIVE BLOOMFIELD HILLS, MICH. P.O. BOX 824 48303 - 0824 PHONE: (248) 454-6300 FAX (1st. Floor): (248) 454-6312 FAX (2nd. Floor): WEB SITE: http:// www.hrcengr.com	FIGURE 02
	DATE NOV. 2017			

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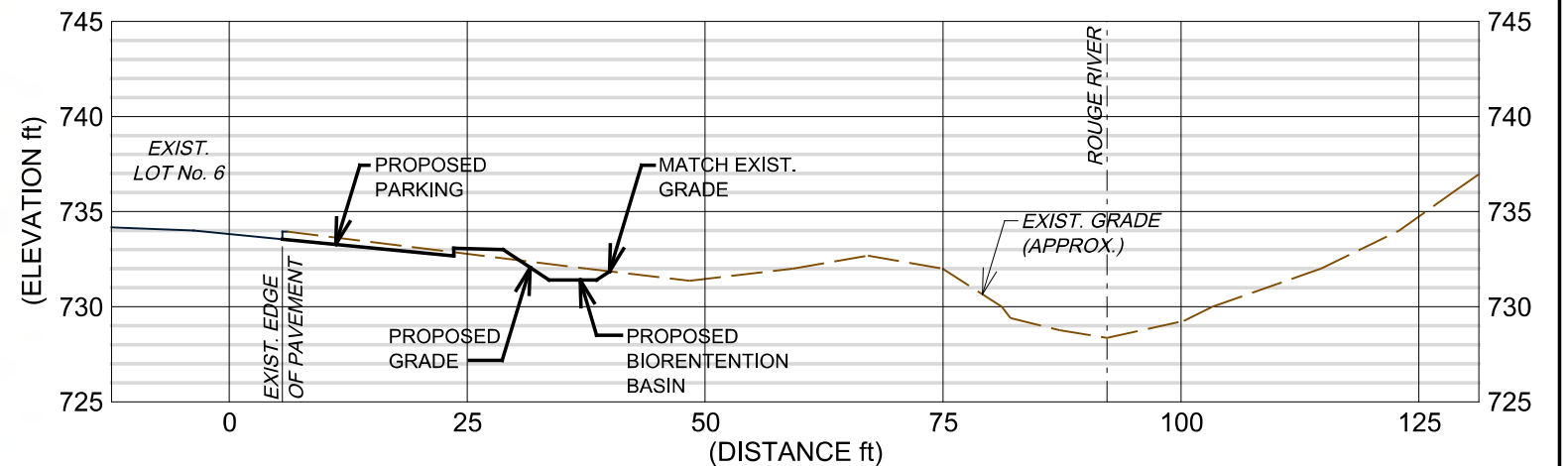
APPROXIMATE LIMITS
OPTION 3 RESURFACING



PROPOSED
SEDIMENTATION AREA

NOTE:

1. REMOVE EXISTING STAND OF PINE TREES ALONG EAST SIDE OF PARKING LOT.
2. EXISTING LIGHT POLES (4 TOTAL) WILL NEED TO BE RELOCATED TO ACCOMODATE NEW PARALLEL PARKING.
3. LIMIT REMOVAL OF EXISTING VEGETATION AND SUPPLEMENT WITH ADDITIONAL SCREENING AS NECESSARY.



SITE SECTION - A
SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

CITY OF BIRMINGHAM
PARKING LOT No. 6 REHABILITATION
DESIGN OPTION 3



JOB NO.
20170989
DATE
NOV. 2017



555 HULET DRIVE
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FAX (2nd Floor):
WEB SITE: [http:// www.hrcengr.com](http://www.hrcengr.com)

P.O. BOX 824
48303 - 0824

FIGURE
03

CITY OF BIRMINGHAM - Combined
Income Statement
For Periods Indicated

	Month Ended September 30, 2018	2 Month Ending September 30, 2018	Month Ended September 30, 2017	2 Month Ending September 30, 2017
REVENUES:				
Revenues - Monthly parking	236,299.00	665,858.00	144,905.00	579,316.25
Revenues - Cash Parking	254,758.00	705,620.12	236,100.00	785,691.32
Revenues - Card Fees	480.00	765.00	285.00	1,095.00
Revenue - Lot #6	43,598.14	71,285.55	31,880.00	48,875.00
TOTAL INCOME	<u>535,135.14</u>	<u>1,443,528.67</u>	<u>413,170.00</u>	<u>1,414,977.57</u>
EXPENSES:				
Salaries and Wages	61,982.38	192,301.89	66,807.11	187,817.71
Payroll Taxes	5,809.62	18,208.51	6,214.04	17,401.98
Workmens Comp Insurance	2,821.24	8,751.45	2,834.44	7,969.61
Group Insurance	20,672.96	61,452.70	19,865.15	63,051.71
Uniforms	17.91	768.44	296.15	1,226.12
Insurance	10,655.44	31,966.32	10,127.71	29,435.15
Utilities	861.88	2,566.06	835.00	2,766.81
Maintenance	3,071.62	30,412.11	9,727.97	13,808.63
Parking Tags/Tickets		428.33	9.24	9.24
Accounting Fees	4,876.36	13,774.30	4,463.98	13,302.42
Office Supplies	102.34	974.08	513.79	1,272.72
Card Refund				
Operating Cost - Vehicles	786.19	2,308.94	481.84	1,611.93
Pass Cards		4,000.00		
Employee Appreciation		64.00		
Credit Card Fees	12,316.01	34,994.92	12,702.93	38,246.94
Bank Service Charges	69.19	222.68	94.60	261.74
Miscellaneous Expense	350.26	1,045.98	276.71	862.68
Management Fee Charge	3,875.00	11,625.00	3,875.00	11,625.00
TOTAL EXPENSES	<u>128,268.40</u>	<u>415,865.71</u>	<u>139,125.66</u>	<u>390,670.39</u>
OPERATING PROFIT	<u>406,866.74</u>	<u>1,027,662.96</u>	<u>274,044.34</u>	<u>1,024,307.18</u>

CITY OF BIRMINGHAM PIERCE DECK
Income Statement
For Periods Indicated

	Month Ended September 30, 2018	2 Month Ending September 30, 2018	Month Ended September 30, 2017	2 Month Ending September 30, 2017
REVENUES:				
Revenues - Monthly parking	37,464.00	113,164.00	32,757.50	103,794.75
Revenues - Cash Parking	68,858.00	191,132.03	68,311.00	212,987.25
Revenues - Card Fees	45.00	60.00	120.00	405.00
	-	-		
TOTAL INCOME	<u>106,367.00</u>	<u>304,356.03</u>	<u>101,188.50</u>	<u>317,187.00</u>
EXPENSES:				
Salaries and Wages	10,957.22	34,225.89	12,456.28	35,359.24
Payroll Taxes	1,000.08	3,140.82	1,140.59	3,234.20
Workmens Comp Insurance	499.09	1,558.59	528.56	1,500.58
Group Insurance	4,396.29	13,723.50	4,676.77	14,782.77
Uniforms		142.22		186.09
Insurance	1,992.68	5,978.04	1,860.60	5,581.80
Utilities	337.88	758.06	167.00	474.80
Maintenance	603.67	4,837.82	2,552.01	2,834.47
Parking Tags/Tickets		61.72		-
Accounting Fees	899.37	2,664.11	865.37	2,596.11
Office Supplies	20.47	194.82	102.76	254.54
Card Refunds		-		-
Operating Cost - Vehicles	157.24	461.78	96.37	322.38
Pass Cards	-	800.00		-
Employee Appreciation	-	-	-	-
Credit Card Fees	3,328.87	9,385.81	3,675.35	10,383.39
Bank service charges	11.49	34.47	10.10	43.32
Miscellaneous Expenses	78.55	124.22	21.42	50.54
Management Fee Charge	775.00	2,325.00	775.00	2,325.00
TOTAL EXPENSES	<u>25,057.90</u>	<u>80,416.87</u>	<u>28,928.18</u>	<u>79,929.23</u>
OPERATING PROFIT	<u>81,309.10</u>	<u>223,939.16</u>	<u>72,260.32</u>	<u>237,257.77</u>

CITY OF BIRMINGHAM PEABODY DECK
Income Statement
For Periods Indicated

	Month Ended September 30, 2018	2 Month Ending September 30, 2018	Month Ended September 30, 2017	2 Month Ending September 30, 2017
REVENUES:				
Revenues - Monthly parking	27,115.00	83,705.00	20,495.00	74,802.00
Revenues - Cash Parking	54,768.00	108,870.02	36,380.00	124,659.00
Revenues - Card Fees	105.00	120.00	75.00	75.00
TOTAL INCOME	81,988.00	192,695.02	56,950.00	199,536.00
EXPENSES:				
Salaries and Wages	10,827.15	33,018.85	11,715.35	30,543.15
Payroll Taxes	987.68	3,025.78	1,070.39	2,782.48
Workmens Comp Insurance	493.21	1,503.96	497.19	1,296.66
Group Insurance	4,396.27	13,723.44	4,676.75	14,410.11
Uniforms		142.01		185.97
Insurance	1,520.17	4,560.51	1,428.53	4,266.59
Utilities	131.00	452.00	167.00	564.98
Maintenance	434.05	5,660.19	631.51	823.78
Parking Tags/Tickets		61.71		-
Accounting Fees	809.19	2,393.57	775.19	2,325.57
Office Supplies	20.47	194.82	102.76	254.54
Card Refund		-		-
Employee Appreciation		-		-
Operating Cost - Vehicles	157.24	461.79	96.37	322.39
Pass Cards		800.00		-
Credit Card Fees	2647.70	5,356.10	1957.36	6,028.27
Bank service charges	11.49	34.47	10.10	36.11
Miscellaneous Expense	8.45	53.29	9.14	35.07
Management Fee Charge	775.00	2,325.00	775.00	2,325.00
TOTAL EXPENSES	23,219.07	73,767.49	23,912.64	66,200.67
OPERATING PROFIT	58,768.93	118,927.53	33,037.36	133,335.33

CITY OF BIRMINGHAM PARK DECK
Income Statement
For Periods Indicated

	Month Ended September 30, 2018	2 Month Ending September 30, 2018	Month Ended September 30, 2017	2 Month Ending September 30, 2017
REVENUES:				
Revenues - Monthly parking	66,530.00	168,869.00	36,282.50	145,394.50
Revenues - Cash Parking	40,562.00	127,866.02	42,945.00	148,963.00
Revenues - Card Fees	15.00	105.00		-
TOTAL INCOME	107,107.00	296,840.02	79,227.50	294,357.50
EXPENSES:				
Salaries and Wages	13,694.61	40,748.91	13,130.18	39,933.34
Payroll Taxes	1,258.65	3,762.38	1,205.51	3,670.75
Workmens Comp Insurance	623.01	1,853.88	557.09	1,694.25
Group Insurance	4,183.89	11,552.00	3,728.17	11,696.32
Uniforms		142.01		185.97
Insurance	2,276.47	6,829.41	2,125.49	6,376.47
Utilities	131.00	452.00	167.00	564.98
Maintenance	406.38	5,950.71	386.29	1,767.65
Parking Tags/Tickets		61.71		-
Accounting Fees	940.62	2,737.18	881.28	2,643.84
Office Supplies	20.47	194.82	102.76	254.54
Card Refund		-	96.37	-
Operating Cost - Vehicles	157.24	461.79		322.39
Pass Cards		800.00		-
Employee Appreciation		-		-
Credit Card Fees	1,960.93	6,265.47	2,310.58	7,253.82
Bank service charges	11.49	34.47	10.10	30.30
Miscellaneous Expenses	23.26	84.48	10.24	42.40
Management Fee Charge	775.00	2,325.00	772.00	2,325.00
TOTAL EXPENSES	26,463.02	84,256.22	25,483.06	78,762.02
OPERATING PROFIT	80,643.98	212,583.80	53,744.44	215,595.48

CITY OF BIRMINGHAM CHESTER DECK
Income Statement
For Periods Indicated

	Month Ended September 30, 2018	2 Month Ending September 30, 2018	Month Ended September 30, 2017	2 Month Ending September 30, 2017
REVENUES:				
Revenues - Monthly parking	51,670.00	150,265.00	28,365.00	124,366.00
Revenues - Cash Parking	56,122.00	174,479.03	51,413.00	157,071.07
Revenues - Card Fees	15.00	90.00	30.00	510.00
TOTAL INCOME	107,807.00	324,834.03	79,808.00	281,947.07
EXPENSES:				
Salaries and Wages	13,941.96	45,506.90	14,987.73	38,586.29
Payroll Taxes	1,412.92	4,703.60	1,461.13	3,674.17
Workmens Comp Insurance	634.21	2,069.27	635.75	1,637.22
Group Insurance	3,513.50	10,903.23	3,728.15	11,864.22
Uniforms	17.91	200.19	296.15	482.12
Insurance	2,450.00	7,350.00	2,286.60	6,859.80
Utilities	131.00	452.00	167.00	588.87
Maintenance	1,090.00	9,370.32	1,931.86	4,005.99
Parking Tags/Tickets		181.48	9.24	9.24
Accounting Fees	1,288.62	3,223.10	1,050.25	3,061.23
Office Supplies	20.47	194.82	102.76	254.54
Card Refund		-		-
Operating Cost - Vehicles	157.24	461.79	96.37	322.39
Pass Cards	-	800.00		-
Employee Appreciation	-	64.00	-	-
Credit Card Fees	2,713.16	8,845.19	2,766.18	7,673.10
Bank Service Charges	23.23	84.80	54.20	121.71
Misc Expense	10.88	110.69	43.49	146.29
Management Fee Charge	775.00	2,325.00	775.00	2,325.00
TOTAL EXPENSES	28,180.10	96,846.38	30,391.86	81,612.18
OPERATING PROFIT	79,626.90	227,987.65	49,416.14	200,334.89

CITY OF BIRMINGHAM N. WOODWARD DECK
Income Statement
For Periods Indicated

	Month Ended September 30, 2018	2 Month Ending September 30, 2018	Month Ended September 30, 2017	2 Month Ending September 30, 2017
REVENUES:				
Revenues - Monthly parking	53,520.00	149,855.00	27,005.00	130,959.00
Revenues - Cash Parking	34,448.00	103,273.02	37,051.00	142,011.00
Revenues - Card Fees	300.00	345.00	60.00	75.00
TOTAL INCOME	88,268.00	253,473.02	64,116.00	273,045.00
EXPENSES:				
Salaries and Wages	12,561.44	38,801.34	14,517.57	43,395.69
Payroll Taxes	1,150.29	3,575.93	1,336.42	4,040.38
Workmens Comp Insurance	571.72	1,765.75	615.85	1,840.90
Group Insurance	4,183.01	11,550.53	3,055.31	10,298.29
Uniforms		142.01		185.97
Insurance	2,416.12	7,248.36	2,426.49	6,350.49
Utilities	131.00	452.00	167.00	573.18
Maintenance	537.52	4,593.07	4,226.30	4,376.74
Parking Tags/Tickets		61.71		-
Accounting Fees	938.56	2,756.34	891.89	2,675.67
Office Supplies	20.47	194.82	102.76	254.54
Card Refund		-		-
Operating Cost - Vehicles	157.24	461.79	96.37	322.39
Pass Cards		800.00		-
Employee Appreciation		-		-
Credit Card Fees	1665.35	5,142.35	1993.46	6,908.36
Bank Service Charges	11.49	34.47	10.10	30.30
Miscellaneous Expense	14.03	62.03	11.33	45.11
Management Fee Charge	775.00	2,325.00	775.00	2,325.00
TOTAL EXPENSES	25,133.24	79,967.50	30,225.85	83,623.01
OPERATING PROFIT	63,134.76	173,505.52	33,890.15	189,421.99

CITY OF BIRMINGHAM lot #6
Income Statement
For Periods Indicated

		Month Ended September 30 , 2018	2 Month Ending September 30, 2018	Month Ended September 30, 2017	2 Month Ending September 30,2017
INCOME	Revenues - Monthly Parking Lot #6 & Southside	43,598.14	71,285.55	31,880.00	48,875.00
	TOTAL INCOME	<u>43,598.14</u>	<u>71,285.55</u>	<u>31,880.00</u>	<u>48,875.00</u>
EXPENSES	Liability Insurance				-
	Office Supplies (Hanging Tags)				
	Misc.	215.09	611.27	181.09	543.27
	TOTAL EXPENSES	<u>215.09</u>	<u>611.27</u>	<u>181.09</u>	<u>543.27</u>
	NET PROFIT	<u>43,383.05</u>	<u>70,674.28</u>	<u>31,698.91</u>	<u>48,331.73</u>

MONTHLY PARKING PERMIT REPORT

For the month of: September 2018

Date Compiled: October 16, 2018

	Pierce	Park	Peabody	N.Old Wood	Chester	Lot #6/\$210	Lot #6/\$150	South Side	Lot B	35001 Woodward	Lot 12
1. Total Spaces	706	811	437	745	880	174	79	8	40	40	150
2. Daily Spaces	370	348	224	359	425	N/A	N/A	N/A	N/A	N/A	N/A
3. Monthly Spaces	336	463	213	386	560	174	79	8	30	40	150
4. Monthly Permits Authorized	550	750	400	800	1140	150	40	8	30	50	150
5. Permits - end of previous month	550	750	400	800	1140	150	40	8	30	50	100
6. Permits - end of month	550	750	400	800	1140	150	40	8	30	50	100
7. Permits - available at end of month	0	0	0	0	0	0	0	0	0	0	
8. Permits issued in month includes permits effective 1st of month	3	3	4	65	8	0	0	0	0	0	0
9. Permits given up in month	3	3	4	65	8	0	0	0	0	0	0
10. Net Change	0	0	0	0	0	0	0	0	0	0	0
11. On List - end of month* **On List-Unique Individuals	1091	1093	1099	1083	1079	0	0	0	0	0	0
12. Added to list in month	21	23	29	13	9	0	0	0	0	0	0
13. Withdrawn from list in month (w/o permit)	0	0	0	0	0	0	0	0	0	0	0
14. Average # of weeks on list for permits issued in month	143	82	141	126	57	0	0	0	0	0	0
15. Transient parker occupied	188	102	69	115	72	N/A	N/A	N/A	N/A	N/A	N/A
16. Monthly parker occupied	456	685	313	542	755	N/A	N/A	N/A	N/A	N/A	N/A
17. Total parker occupied	644	787	382	657	827	N/A	N/A	N/A	N/A	N/A	N/A
18. Total spaces available at 1pm on Wednesday 9/19	62	24	55	88	53	N/A	N/A	N/A	N/A	N/A	N/A
19. "All Day" parkers paying 5 hrs. or more A:Weekday average. B:**Maximum day	230 N/A*	180 N/A*	106 N/A*	120 N/A*	131 N/A*	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
20. Utilization by long term parkers	N/A*	N/A*	N/A*	N/A*	N/A*	N/A	N/A	N/A	N/A	N/A	N/A

(1) Lot #6 does not have gate control, therefore no transient count available

(2) (Permits/Oversell Factor + Weekday Avg.) / Total Spaces

* Average Maximum day not available currently in Skidata

** Unique individuals represent the actual number of unique people on the wait list regardless of how many structures they have requested.

Total
4070
1726
2439
4068
4018
4018
0
83
83
0
5445
3382
95
0
109.8
546
2751
3297
282
767
0
#DIV/0!

**Birmingham Parking System
Transient & Free Parking Analysis
Months of September 2017 & September 2018**

September 2017

GARAGE	TOTAL CARS	FREE CARS	CASH REVENUE	% FREE
PEABODY	16,010	9,040	\$36,380.00	56%
PARK	15,542	7,288	\$42,945.00	47%
CHESTER	6,624	2,273	\$51,413.00	34%
WOODWARD	14,268	7,467	\$37,051.00	52%
PIERCE	27,414	13,351	\$68,311.00	49%
TOTALS	79,858	39,419	\$ 236,100.00	49%

September 2018

GARAGE	TOTAL CARS	FREE CARS	CASH REVENUE	% FREE
PEABODY	15,659	8,661	\$ 54,768.00	55%
PARK	17,298	7,235	\$ 40,562.00	42%
CHESTER	7,662	2,669	\$ 56,122.00	35%
WOODWARD	12,333	6,615	\$ 34,448.00	54%
PIERCE	25,661	11,840	\$ 68,858.00	46%
TOTALS	78,613	37,020	\$ 254,758.00	47%

BREAKDOWN:	TOTAL CARS	-2%
	FREE CARS	-6%
	CASH REVENUE	+8%

Structure Occupancy at 1pm Tuesday-Thursday

Available Spaces

OCTOBER 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2 Chester-21 N.O.W.-45 Park-15 Peabody-7 Pierce-119	3 Chester-62 N.O.W.-85 Park-14 Peabody-20 Pierce-41	4 Chester-92 N.O.W.-115 Park-21 Peabody-33 Pierce-78	5	6
7	8	9 Chester-34 N.O.W.-69 Park-18 Peabody-57 Pierce-71	10 Chester-48 N.O.W.-97 Park-55 Peabody-37 Pierce-62	11 Chester-88 N.O.W.-101 Park-10 Peabody-18 Pierce-85	12	13
14	15	16 Chester-92 N.O.W.-97 Park-20 Peabody-63 Pierce-83	17 Chester-34 N.O.W.-42 Park-12 Peabody-16 Pierce-90	18 Chester-132 N.O.W.-142 Park-18 Peabody-78 Pierce-92	19	20
21	22	23 Chester-20 N.O.W.-59 Park-11 Peabody-24 Pierce-68	24 Chester-29 N.O.W.-35 Park-30 Peabody-21 Pierce-53	25 Chester-57 N.O.W.-85 Park-37 Peabody-20 Pierce-75	26	27
28	29	30 Chester-26 N.O.W.-39 Park-14 Peabody-22 Pierce-80	31 Chester-77 N.O.W.-86 Park-15 Peabody-34 Pierce-97			
		Notes:				

Chester Street Structure

Garage full list

OCTOBER 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Garage not filled.	2 Valet-2 cars	3 Valet-2 cars	4 Garage not filled.	5 Garage not filled.	6
7	8 Garage not filled.	9 Valet-4 cars	10 Valet-1 car	11 Garage not filled.	12 Garage not filled.	13
14	15 Garage not filled.	16 Garage not filled.	17 Garage not filled.	18 Garage not filled.	19 Garage not filled.	20
21	22 Garage not filled.	23 Valet-2 cars	24 Valet-1 car	25 Garage not filled.	26 Garage not filled.	27
28	29 Garage not filled.	30 Garage not filled.	31 Garage not filled.			
		Notes:				

N. Old Woodward Garage

Valet Counts

OCTOBER 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Garage not filled.	2 Garage not filled.	3 Garage not filled.	4 Garage not filled.	5 Garage not filled.	6
7	8 Garage not filled.	9 Garage not filled.	10 Garage not filled.	11 Garage not filled.	12 Garage not filled.	13
14	15 Garage not filled.	16 Garage not filled.	17 Garage not filled.	18 Garage not filled.	19 Garage not filled.	20
21	22 Garage not filled.	23 Garage not filled.	24 Garage not filled.	25 Garage not filled.	26 Garage not filled.	27
28	29 Garage not filled.	30 Garage not filled.	31 Garage not filled.			
		Notes:				

Park Street Structure

Garage full list

OCTOBER 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Garage not filled.	2 Valet-8 cars	3 Valet-4 cars	4 Garage not filled.	5 Garage not filled.	6
7	8 Garage not filled.	9 Valet-11 cars	10 Valet-11 cars	11 Valet-12 cars	12 Garage not filled.	13
14	15 Garage not filled.	16 Garage not filled.	17 Garage not filled.	18 Garage not filled.	19 Garage not filled.	20
21	22 Garage not filled.	23 Valet-6 cars	24 Garage not filled.	25 Garage not filled.	26 Garage not filled.	27
28	29 Garage not filled.	30 Garage not filled.	31 Garage not filled.			
		Notes:				

Peabody Street Structure

Garage full list

OCTOBER 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			
		Notes: Structure did not fill.				

Pierce Street Structure

Garage full list

OCTOBER 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18 Valet-6 cars	19	20
21	22	23	24	25 Valet-2 cars	26	27
28	29	30	31			
		Notes:				