



**CITY OF NOVI CITY COUNCIL
SEPTEMBER 28, 2020**

SUBJECT: Approval of a Street Light Purchase Agreement with DTE Energy for the installation and ongoing operation cost of nine (9) street lights at nine (9) intersections as part of the 2020 Novi Intersection Improvements project.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

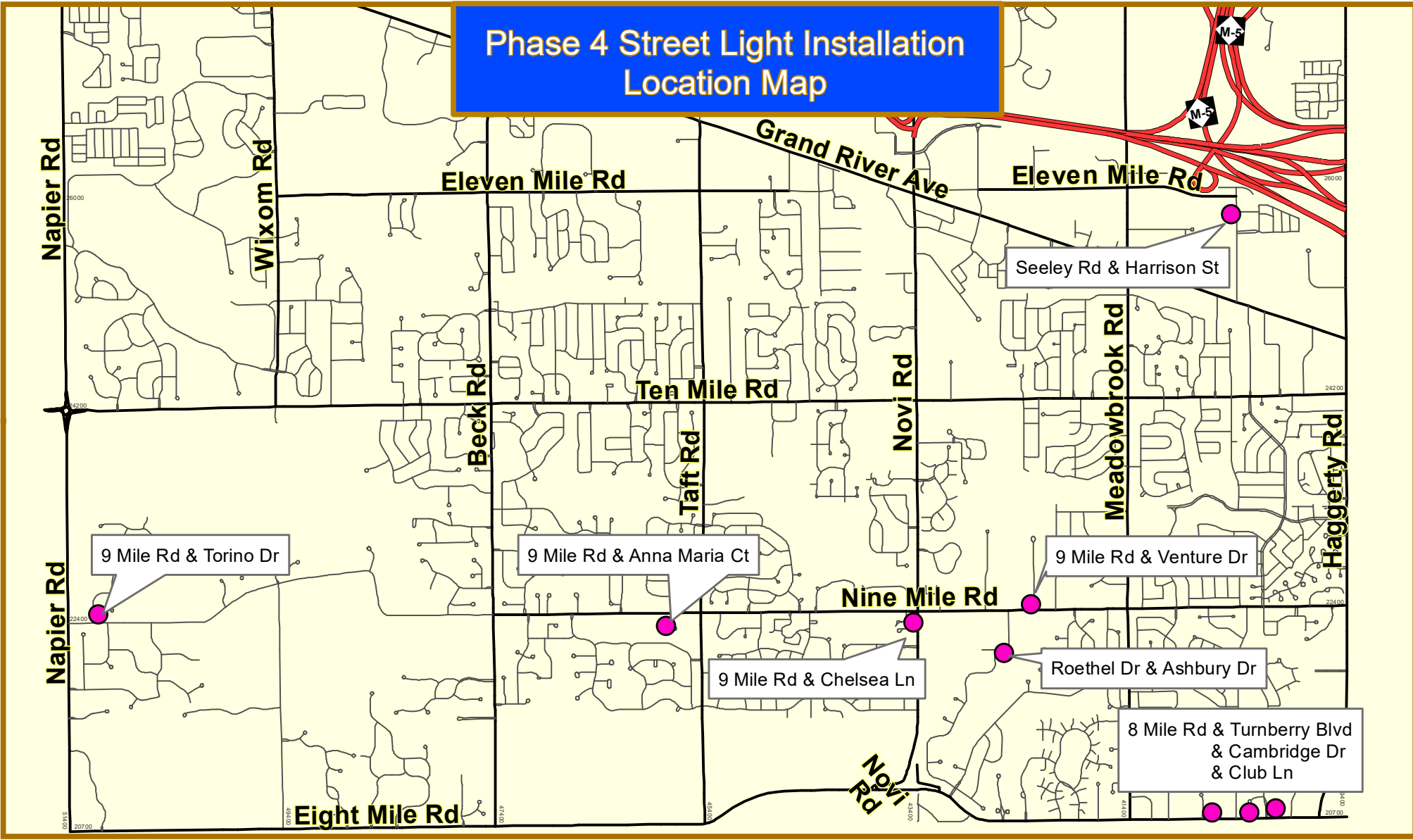
EXPENDITURE REQUIRED	\$ 59,996.44 Street Light Installations <u>\$ 2,399.28 Street Light Operating Costs</u> \$ 62,395.72 TOTAL City Share
AMOUNT BUDGETED	\$ 60,000.00 Street Light Installations \$ 152,000.00 Street Light Operations
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	101-442.10-924.050 Street Light Installations 101-442.20-924.000 Street Light Operations

BACKGROUND INFORMATION: The Department of Public Works (DPW) has identified nine (9) intersections that would benefit from overhead lighting. The attached DTE Purchase Agreement includes the installation of seven (7) underground fed LED street lights on standard poles and two (2) overhead fed LED street lights on wooden poles. The costs shown in the DTE Purchase Agreement are based on the Option 1 Municipal Street Light Rate, where DTE installs, owns, and maintains the lighting system. The Purchase Agreement requires the City to pay the total installation cost of \$59,996.44 and an ongoing annual operating cost of \$2,399.28.

The proposed agreement has been reviewed and is recommended for approval by the engineering staff and the city attorney (Beth Saarela, September 14, 2020).

RECOMMENDED ACTION: Approval of a Street Light Purchase Agreement with DTE Energy for the installation and ongoing operation cost of nine (9) street lights at nine (9) intersections as part of the 2020 Novi Intersection Improvements program.

Phase 4 Street Light Installation Location Map

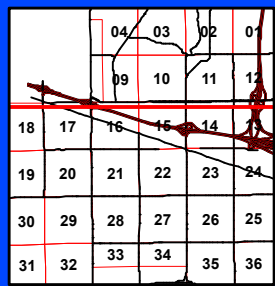


Map Author: Rebecca Runkel
 Date: 9/15/20
 Project: Phase 4 Street Lights
 Version #: 1.0

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

 Proposed Street Light Location



City of Novi

Engineering Division
 Department of Public Works
 26300 Lee BeGole Drive
 Novi, MI 48375
cityofnovi.org



ELIZABETH KUDLA SAARELA
esaarela@rsjalaw.com

27555 Executive Drive, Suite 250
Farmington Hills, Michigan 48331
P 248.489.4100 | F 248.489.1726
rsjalaw.com



ROSATI | SCHULTZ
JOPPICH | AMTSBUECHLER

September 14, 2020

Rebecca Runkel, Staff Engineer
City of Novi
Field Services Complex
26300 Lee BeGole Drive
Novi, MI 48375

Re: Phase 4 Lighting Improvements - Master Agreement for Municipal Street Lighting and DTE Energy Purchase Agreement

Dear Ms. Runkel:

We have received and reviewed the following documents for the installation of nine (9) streetlights in connection with the Phase 4 Lighting Improvements Project:

1. Master Agreement for Municipal Street Lighting dated September 16, 2013, and Purchase Agreement (Work Order Number 57090984).

Master Agreement and Purchase Agreement

The Master Agreement for Municipal Street Lighting ("Master Agreement") and corresponding Purchase Agreement are standard form agreements prepared by DTE Energy for use in projects for installation and maintenance of new street lighting. The Master Agreement controls the terms of installation and maintenance, generally, such as terms of payment, rates, maintenance responsibilities, term, liability, warranties and general contract provisions, including such things as choice of law and notices.

The Purchase Agreement includes the more specific information relating to each particular project, including total estimated project cost, project location, project specifications, and special-order information.

The City should be aware that the cost provided in the Purchase Agreement is an estimate and may increase based upon conditions found underground at the time of construction, pursuant to the Master Agreement.

The terms of the Master Agreement and Purchase Agreement generally are acceptable and are in part, subject to rates and other rules imposed by the Michigan Public Services Commission.

Please feel free to contact me with any questions or concerns in regard to this matter.

Rebecca Runkel, Engineering Technician
City of Novi
September 14, 2020
Page 2

Very truly yours,

ROSATI SCHULTZ JOPPICH
& AMTSBUECHLER PC



Elizabeth Kudla Saarela

EKS

Enclosures

C: Cortney Hanson, Clerk (w/Enclosures)
Megan Mikus, Deputy DPW Director (w/Enclosures)
Ben Croy, City Engineer (w/Enclosures)
Thomas R. Schultz, Esquire (w/Enclosures)



September 3, 2020

City of Novi
26300 Lee BeGole Dr
Novi, MI 48375
Attn: Rebecca Runkel

Re: City of Novi- Phase 4 Lighting Improvements

Attached is the agreement for the work to be performed for the Phase 4 Lighting Improvements. A detailed description of the project is outlined in the agreements. Please print **TWO** copies. Please sign **BOTH** copies in the designated areas. A check in the amount of **\$59,996.44** is also required at this time. Please return **BOTH** signed agreements (as well as check made payable to **DTE Energy**) to the following address:

DTE Energy
8001 Haggerty Rd.
Belleville, MI 48111
140 WWSC-Brandon Faron

Upon receipt of BOTH signed copies (and payment), we (DTE Energy) will then sign BOTH copies and return ONE original back to you.

Please call if you have questions, 734-397-4017.

Sincerely,

Brandon R. Faron

Brandon R. Faron
Account Manager
Community Lighting

Exhibit A to Master Agreement


Purchase Agreement

This Purchase Agreement (this "Agreement") is dated as of September 3, 2020 between DTE Electric Company ("Company") and City of Novi ("Customer").

This Agreement is a "Purchase Agreement" as referenced in the Master Agreement for Municipal Street Lighting dated September 16, 2013 (the "Master Agreement") between Company and Customer. All of the terms of the Master Agreement are incorporated herein by reference. In the event of an inconsistency between this Agreement and the Master Agreement, the terms of this Agreement shall control.

Customer requests Company to furnish, install, operate and maintain street lighting equipment as set forth below:

1. DTE Work Order Number:	57090984	
	If this is a conversion or replacement, indicate the Work Order Number for current installed equipment: N/A	
2. Location where Equipment will be installed:	[Various locations-Phase IV Lighting], as more fully described on the map attached hereto as <u>Attachment 1</u> .	
3. Total number of lights to be installed:	9	
4. Description of Equipment to be installed (the " <u>Equipment</u> "):	<u>Underground Fed Streetlights:</u> Install seven (7) Code 70 posts and seven (7) 58w LED luminaires with black housing.	
	<u>Overhead Fed Streetlights:</u> Install (1) wood pole, (1) Code 48 support arm and (1) 136w LED luminaire with gray housing. Install (1) Code 48 and (1) 136w LED luminaire with gray housing on existing wood pole.	
5. Estimated Total Annual Lamp Charges	\$\$2,399.28	
6. Estimated Total Annual Post Charges if selected	\$0.00	
7. Computation of Contribution in aid of Construction (" <u>CIAC Amount</u> ")	Total estimated construction cost, including labor, materials, and overhead:	\$67,194.28
	Revenue credit:	\$7,197.84
	CIAC Amount (cost minus revenue)	\$59,996.44
	Credit for Post Charge, if selected	\$0.00
8. Payment of CIAC Amount:	Due promptly upon execution of this Agreement \$59,996.44	
9. Term of Agreement	5 years. Upon expiration of the initial term, this Agreement shall continue on a month-to-month basis until terminated by mutual written consent of the parties or by either party with thirty (30) days prior written notice to the other party.	
	If Post Charge "box" <input type="checkbox"/> is checked the Customer agrees to following term:	

	<p>10 years. Upon expiration of the initial term, this Agreement shall continue on a month-to-month basis until terminated by mutual written consent of the parties or by either party with thirty (30) days prior written notice to the other party.</p>
<p>10. Does the requested Customer lighting design meet IESNA recommended practices?</p>	<p>(Check One) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If "No", Customer must sign below and acknowledge that the lighting design does not meet IESNA recommended practices Sign here _____ </p>
<p>11. Customer Address for Notices:</p>	<p>City of Novi 26300 Lee BeGole Dr Novi, MI 48375 Attn: Rebecca Runkel</p>

12. Special Order Material Terms:

All or a portion of the Equipment consists of special order material: (check one) YES NO

If "Yes" is checked, Customer and Company agree to the following additional terms.

A. Customer acknowledges that all or a portion of the Equipment is special order materials ("SOM") and not Company's standard stock. Customer will purchase and stock replacement SOM and spare parts as provided in Section B below. When replacement equipment or spare parts are installed from Customer's inventory, Company will credit Customer in the amount of the then-current material cost of Company standard street lighting equipment in lieu of which the SOM is being used.

B. Customer will maintain an inventory of at least _0_ posts and _0_ luminaires and any other materials agreed to by Company and Customer, and will replenish the stock by ordering materials no later than thirty (30) calendar days after the materials are drawn from inventory. Costs of initial inventory are included in this Agreement. If Customer fails to maintain the required inventory, Company, after 30 days' notice to Customer, may (but is not required to) order replacement SOM and Customer will reimburse Company for its costs (including the labor costs associated with Company's management of the supply chain for the SOM) no later than thirty (30) calendar days after receipt of Company's invoice for such costs. Customer's acknowledges that failure to maintain required inventory could result in extended outages due to SOM lead times.

C. The inventory will be stored at _____.
Access to Customer's inventory site must be provided between the hours of 9:00 am to 4:00 pm, Monday through Friday with the exceptions of federal Holidays. If Company is unable to access the site during such hours for any reason, Company (i) shall be relieved from any obligation or commitment to complete the work as scheduled, and (ii) may, at its option, procure the inventory itself and have Customer to reimburse Company's costs for doing so. Customer shall name an authorized representative to contact regarding inventory: levels, access, usage, transactions, and provide the following contact information to Company:

Name: _____ Title: _____

Phone Number: _____ Email: _____

Customer will immediately notify Company of any changes in the Authorized Customer Representative. Customer must comply with SOM manufacturer's recommended inventory storage guidelines and practices. Damaged SOM will not be installed by Company.

D. In the event that SOM is damaged by a third party, Company may (but is not required to) pursue a damage claim against such third party for all of Company's costs incurred because of the claim, including all labor and replacement materials. Company will notify Customer as to whether Company will pursue such claim within a reasonable time of the SOM being damaged.

E. In the event that SOM becomes obsolete, discontinued, or incompatible with Company's infrastructure, Customer shall select new alternate SOM that is compatible with Company's then-existing infrastructure. If Customer does not select compatible alternate SOM, Company reserves the right to select compatible SOM that is, in its reasonable judgment, substantially similar, or replace the SOM with standard materials, in either case being entitled to reimbursement from Customer for Company's costs in providing such transition of supply (including internal overhead and labor costs).

F. Should Customer experience, in Company's reasonable judgment, excessive LED equipment failures that are not supported by LED manufacturer warranties, Company will replace the LED equipment with other Company supported Solid State or High Intensity Discharge luminaires at Company's discretion. The full cost to complete these replacements to standard street lighting equipment will be the responsibility of Customer.

Company and Customer have executed this Purchase Agreement as of the date first written above.

Company:

DTE Electric Company

By: _____

Name: _____

Title: _____

Customer:

City of Novi

By: _____

Name: _____

Title: _____

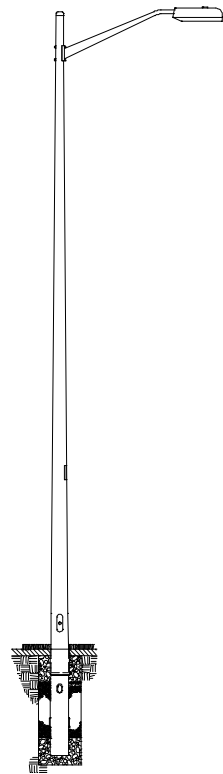


Attachment 1 to Purchase Agreement
Map of Location

[To be attached]



Know what's below.
Call before you dig



POST CODE 070 BLACK
58W LGC COBRA BLACK

Trench-Bore Summary

Type	Occupants	Length
ST LT - BORE - IN CONDUIT	E	1130'
ST LT - TRENCH-IN CONDUIT	E	750'
Total =		1880'

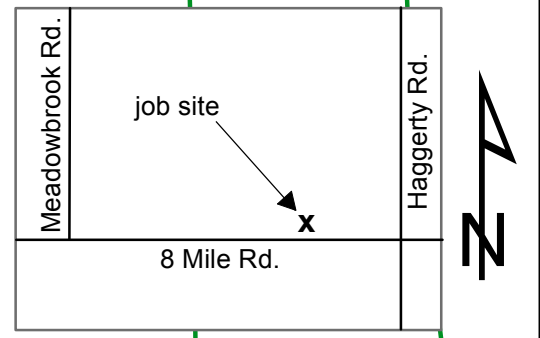
Cable Summary

Type	Legacy Stock # /SAP #	Length
IN #2 ALX2 - #4 ALX1	713-0878/100075024	2068'

Streetlight Billing Summary

O310 - NOVI CITY OF
 9000 NOVI IN 6 *525
 9000 NOVI IN 1 *703

*** FOR ENTIRE WORK ORDER ***



*** FOR ENTIRE WORK ORDER ***

*** IF INSUFFICIENT POLE SPACE EXISTS FOR RISER, A SECONDARY PEDESTAL MAY BE NECESSARY ***

2 IN: POST CODE 70
 IN: CRUSHED STONE FOUNDATION
 IN: MULTIPLE LED 58 LGC COBRA BLACK
 IN: PCLL
 L58 - AGC812 - 9000 NOVI - O310 - *525

1 IN: DET 984 #2AL
 GLN: 241179-343406

IN: #2ALx2, #4AL x1
 IN: BORE W/ 2" HDPE CONDUIT

320'

18'

8 MILE RD.

SPRING ST.

BEACON LN.

JOB NOTES:

LOCATION IS TRUCK ACCESSIBLE.

LOCATION IS STAKED.

PARENT WORK ORDER: 57090984
 DRAWING SIZE: 11" x 17" - ANSI B

LEGEND

- LIGHTING CONTROL
- DECO POLE
- CABLE POLE
- STREETLIGHT ON POST
- STREETLIGHT ON POLE
- PADMOUNT TRANSFORMER
- SECONDARY PEDESTAL
- 120/240 V LINE
- 4.8 kV LINE
- 13.2 kV LINE
- CABLE IN CONDUIT - DIRECTIONAL BORE
- CABLE IN CONDUIT - TRENCH

DTE DTE Electric - Distribution Engineering and Planning

Service Planner	Work Order Description						
Mira, Christopher	NBUS- Phase 4 Intersections Underground -Novi						
Phone	Work Order #	GIS-DSN	COH	CUL	CUG	PLC	
586.783.1969	57117079	57117083	58342204	57117093		58342225	
Supervisor	Circuit #1	Circuit #2		PH	SCMAT		
Brian R Kinnick					57117092		
Phone	Service Center	Worksite City	Worksite Twp		County		
734.397.4024	WWS	NOVI	NOV		Oakland		
Planning Engineer	JU Work to be Performed		JU		RSD		
	NONE						
Phone	JU Company	Contact	Email		Phone		
	JU Company	Contact	Email		Phone		
	CUE Number	Ver	Plot Date	Scale	Town	Range	Section Qtr
	1020241	1	8/18/2020	NONE			

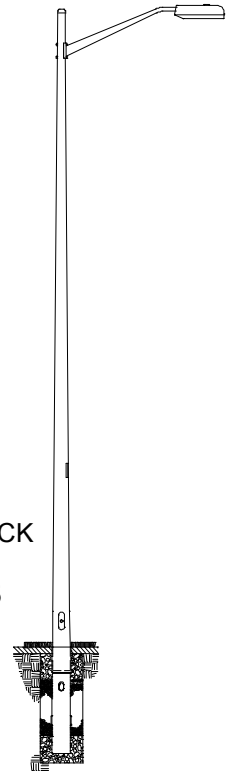


Know what's below.
Call before you dig

CLUB LN.

7
IN: POST CODE 070
IN: CRUSHED STONE FOUNDATION
IN: MULTIPLE LED 58 LGC COBRA BLACK
IN: PCLL
L58 - AGC814 - 9000 NOVI - O310 - *525
GLN: 239246-343297

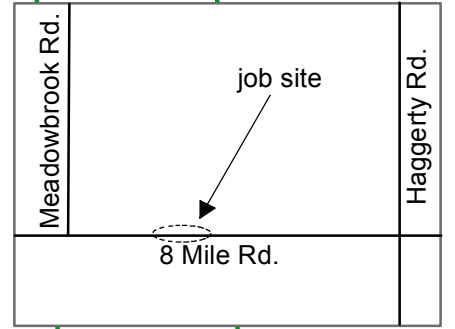
**POST CODE 070 BLACK
58W LGC COBRA BLACK**



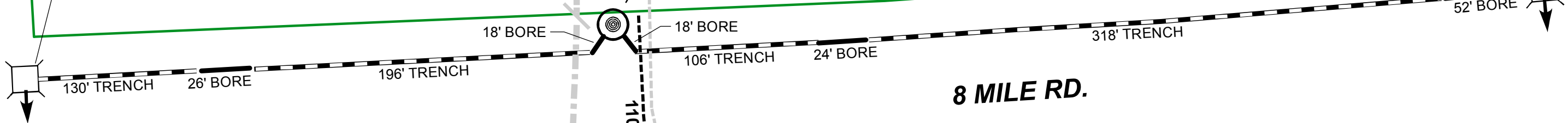
ALL STREETLIGHT CABLE:
IN: #2AL x 2, #4 AL x 1
IN: 2: HDPE CONDUIT
BORE AND TRENCH AS INDICATED

5
IN: DET 605D - SOUTH
IN: DET 984 #2 AL
GLN: 239583-343336

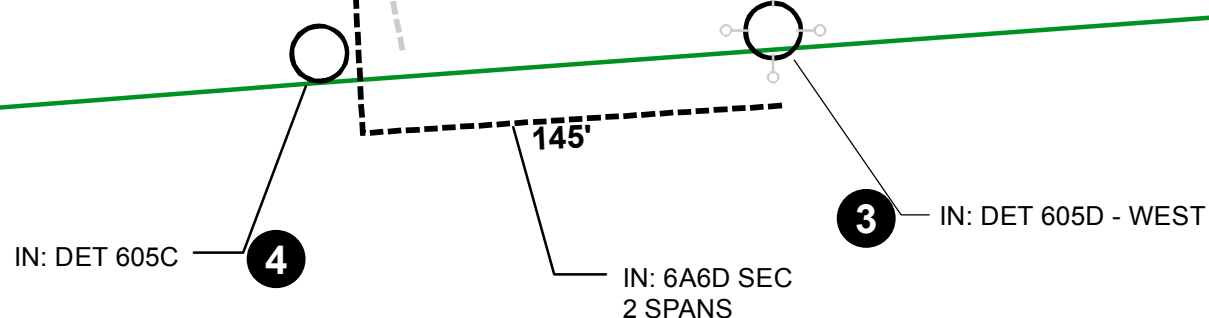
6
IN: POST CODE 070
IN: CRUSHED STONE FOUNDATION
IN: MULTIPLE LED 58 LGC COBRA BLACK
IN: PCLL
L58 - AGC813 - 9000 NOVI - O310 - *525
GLN: 240097-343331



CAMBRIDGE DR.



8 MILE RD.



JOB NOTES:

OVERHEAD AND UNDERGROUND
CREWS REQUIRED.
TRUCK ACCESSIBLE.

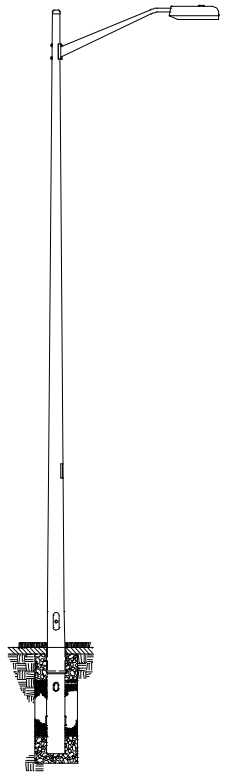
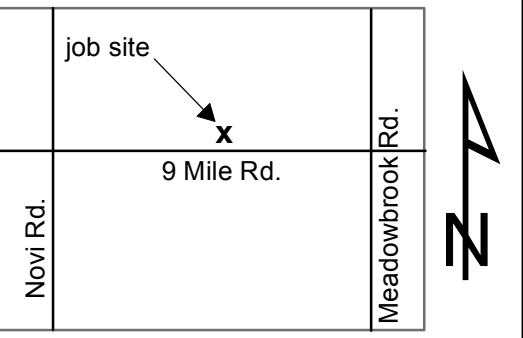
PARENT WORK ORDER: 57090984
DRAWING SIZE: 11" x 17" - ANSI B

LEGEND

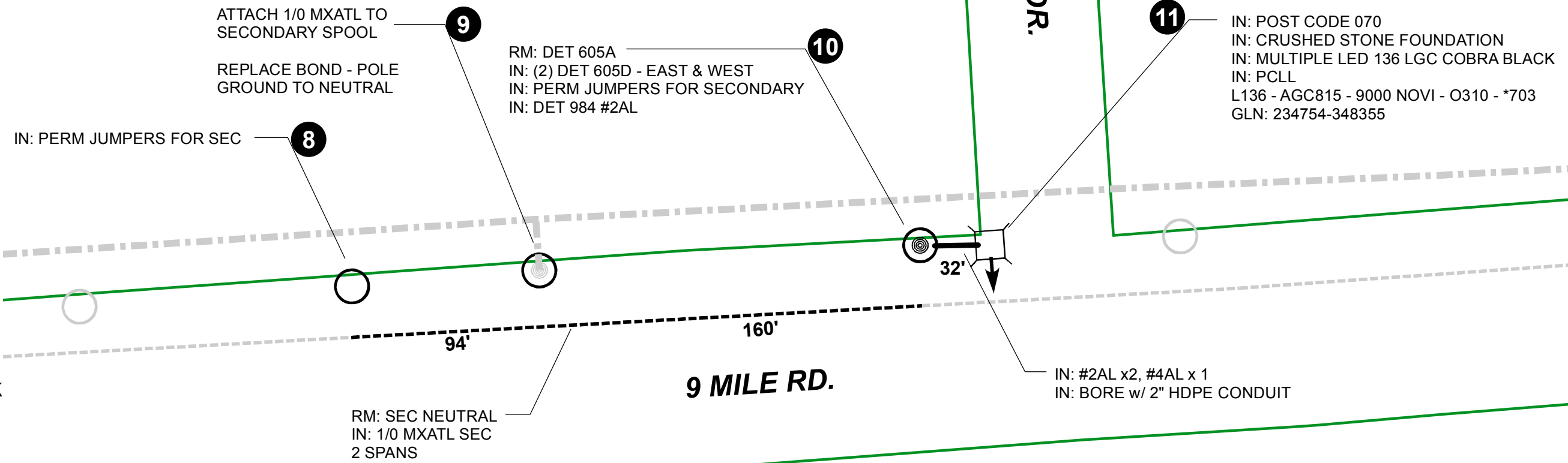
- LIGHTING CONTROL
- DECO POLE
- CABLE POLE
- STREETLIGHT ON POST
- STREETLIGHT ON POLE
- PADMOUNT TRANSFORMER
- SECONDARY PEDESTAL
- 120/240 V LINE
- 4.8 kV LINE
- 13.2 kV LINE
- CABLE IN CONDUIT - DIRECTIONAL BORE
- CABLE IN CONDUIT - TRENCH

DTE DTE Electric - Distribution Engineering and Planning

Service Planner		Work Order Description											
Mira, Christopher		NBUS- Phase 4 Intersections Underground -Novi											
Phone	586.783.1969	Work Order #	57117079	GIS-DSN	57117083	COH	58342204	CUL	57117093	CUG	PLC	58342225	
Supervisor	Brian R Kinnick	Circuit #1		Circuit #2		PH		SCMAT				57117092	
Service Center	WWS	Worksite City	NOVI	Worksite Twp	NOV	County	Oakland	RSD					
Phone	734.397.4024	JU Work to be Performed	NONE	JU									
Planning Engineer		JU Company		Contact		Email		Phone					
Phone		JU Company		Contact		Email		Phone					
CUE Number	1020241	Ver	1	Plot Date	8/18/2020	Scale	NONE	Town		Range		Section	Qtr



POST CODE 070 BLACK
136W LGC COBRA BLACK



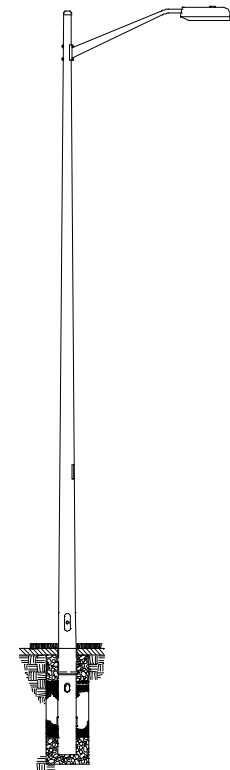
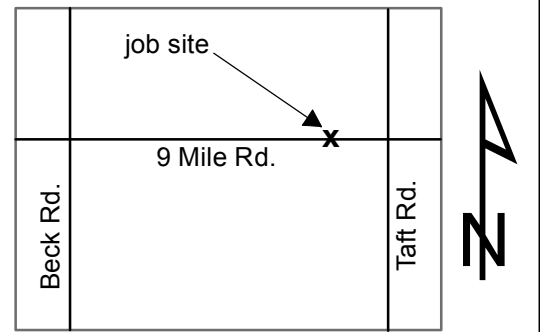
LEGEND

- LIGHTING CONTROL
- DECO POLE
- CABLE POLE
- STREETLIGHT ON POST
- STREETLIGHT ON POLE
- PADMOUNT TRANSFORMER
- SECONDARY PEDESTAL
- 120/240 V LINE
- 4.8 kV LINE
- 13.2 kV LINE
- CABLE IN CONDUIT - DIRECTIONAL BORE
- CABLE IN CONDUIT - TRENCH

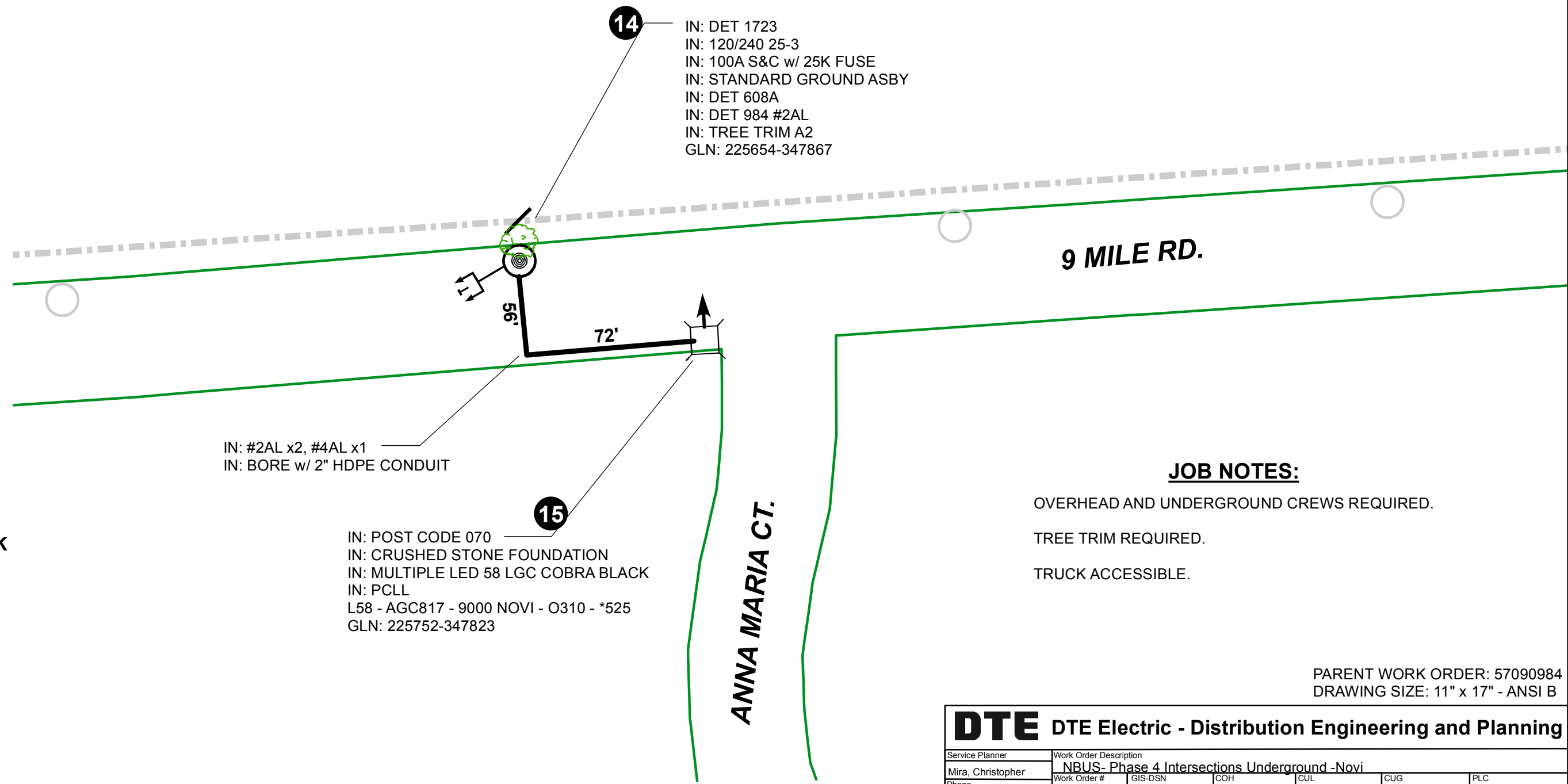
JOB NOTES:
OVERHEAD AND UNDERGROUND CREWS REQUIRED.
SITE IS TRUCK ACCESSIBLE.

PARENT WORK ORDER: 57090984
DRAWING SIZE: 11" x 17" - ANSI B

DTE Electric - Distribution Engineering and Planning									
Service Planner		Work Order Description							
Mira, Christopher		NBUS- Phase 4 Intersections Underground -Novi							
Work Order #	GIS-DSN	COH	CUL	CUG	PLC				
586.783.1969	57117079	57117083	58342204	57117093	58342225				
Supervisor		Circuit #1		Circuit #2		PH	SCMAT		
Brian R Kinnick		57117079		57117093		57117092			
Service Center		Worksite City		Worksite Twp		County			
WWS		NOVI		NOV		Oakland			
Phone		JU Work to be Performed		JU		RSD			
734.397.4024		NONE							
Planning Engineer		JU Company		Contact		Email		Phone	
Phone		JU Company		Contact		Email		Phone	
CUE Number		Ver	Plot Date	Scale	Town	Range	Section	Qtr	
1020241		1	8/18/2020	NONE					



POST CODE 070 BLACK
58W LGC COBRA BLACK



IN: #2AL x2, #4AL x1
IN: BORE w/ 2" HDPE CONDUIT

IN: POST CODE 070
IN: CRUSHED STONE FOUNDATION
IN: MULTIPLE LED 58 LGC COBRA BLACK
IN: PCLL
L58 - AGC817 - 9000 NOVI - O310 - *525
GLN: 225752-347823

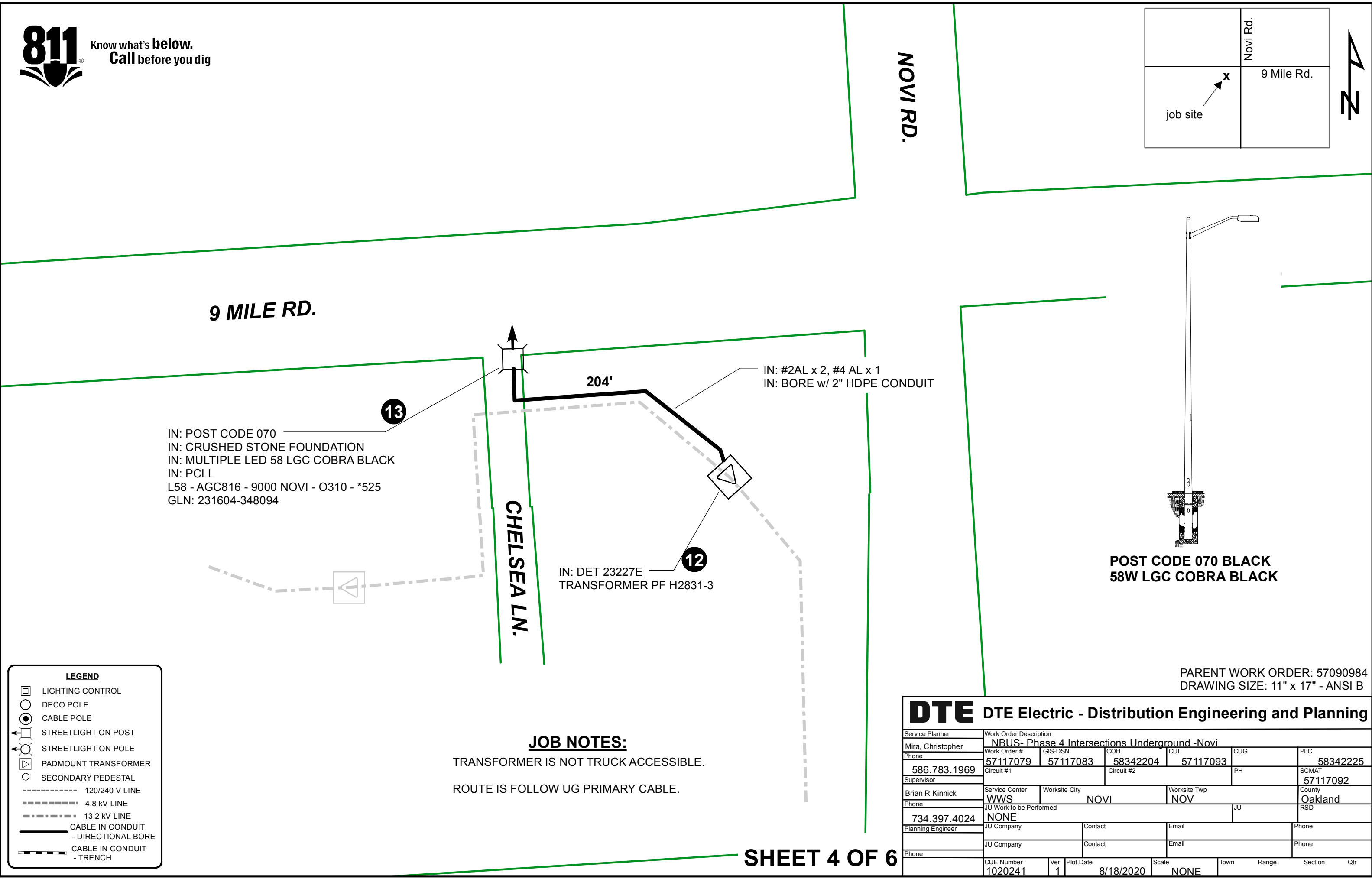
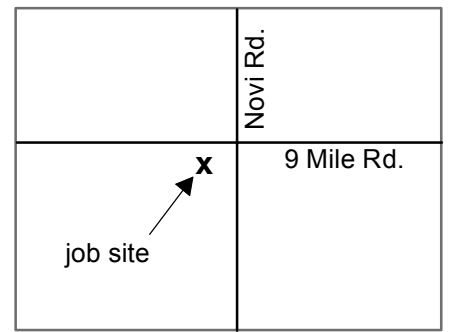
IN: DET 1723
IN: 120/240 25-3
IN: 100A S&C w/ 25K FUSE
IN: STANDARD GROUND ASBY
IN: DET 608A
IN: DET 984 #2AL
IN: TREE TRIM A2
GLN: 225654-347867

JOB NOTES:

- OVERHEAD AND UNDERGROUND CREWS REQUIRED.
- TREE TRIM REQUIRED.
- TRUCK ACCESSIBLE.

PARENT WORK ORDER: 57090984
DRAWING SIZE: 11" x 17" - ANSI B

DTE DTE Electric - Distribution Engineering and Planning													
Service Planner		Work Order Description											
Mira, Christopher		NBUS- Phase 4 Intersections Underground -Novi											
Phone	586.783.1969	Work Order #	57117079	GIS-DSN	57117083	COH	58342204	CUL	57117093	CUG	PLC	58342225	
Supervisor	Brian R Kinnick	Service Center	WWS	Worksite City	NOVI	Worksite Twp	NOV	County	Oakland	PH	SCMAT	57117092	
Planning Engineer	734.397.4024	JU Work to be Performed	NONE	JU Company		Contact		Email		JU	RSD		
Phone		JU Company		Contact		Email		Phone					
		CUE Number	1020241	Ver	1	Plot Date	8/18/2020	Scale	NONE	Town	Range	Section	Qtr



IN: POST CODE 070
 IN: CRUSHED STONE FOUNDATION
 IN: MULTIPLE LED 58 LGC COBRA BLACK
 IN: PCLL
 L58 - AGC816 - 9000 NOVI - O310 - *525
 GLN: 231604-348094

IN: #2AL x 2, #4 AL x 1
 IN: BORE w/ 2" HDPE CONDUIT

IN: DET 23227E
 TRANSFORMER PF H2831-3

POST CODE 070 BLACK
 58W LGC COBRA BLACK

PARENT WORK ORDER: 57090984
 DRAWING SIZE: 11" x 17" - ANSI B

JOB NOTES:

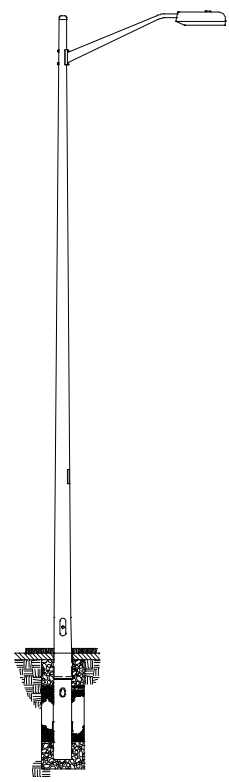
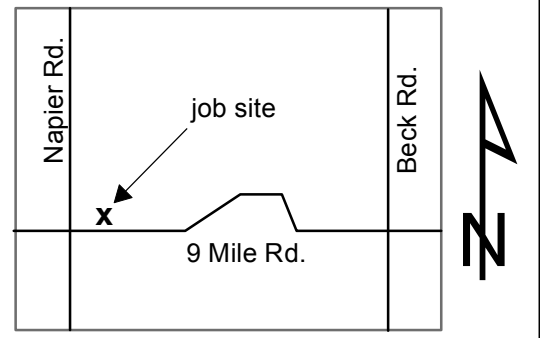
TRANSFORMER IS NOT TRUCK ACCESSIBLE.
 ROUTE IS FOLLOW UG PRIMARY CABLE.

LEGEND

- LIGHTING CONTROL
- DECO POLE
- CABLE POLE
- STREETLIGHT ON POST
- STREETLIGHT ON POLE
- PADMOUNT TRANSFORMER
- SECONDARY PEDESTAL
- 120/240 V LINE
- 4.8 kV LINE
- 13.2 kV LINE
- CABLE IN CONDUIT
- DIRECTIONAL BORE
- CABLE IN CONDUIT - TRENCH

DTE DTE Electric - Distribution Engineering and Planning

Service Planner Mira, Christopher		Work Order Description NBUS- Phase 4 Intersections Underground -Novi					
Phone 586.783.1969	Work Order # 57117079	GIS-DSN 57117083	COH 58342204	CUL 57117093	CUG	PLC 58342225	
Supervisor Brian R Kinnick	Circuit #1		Circuit #2		PH	SCMAT 57117092	
Phone 734.397.4024	Service Center WWS	Worksite City NOVI	Worksite Twp NOV	County Oakland	RSD		
Planning Engineer	JU Work to be Performed NONE		JU Company	Contact	Email	Phone	
Phone	JU Company		Contact	Email	Phone		
CUE Number 1020241	Ver 1	Plot Date 8/18/2020	Scale NONE	Town	Range	Section Qtr	



**POST CODE 070 BLACK
58W LGC COBRA BLACK**

TORINO DR.

17 IN: PODE CODE 070
IN: CRUSHED STONE FOUNDATION
IN: MULTIPLE LED 58 LGC COBRA BLACK
IN: PCLL
L58 - AGC818 - 9000 NOVI - O310 - *525
GLN: 211394-347041

IN: #2AL x 2, #4AL x 1
IN: BORE w/ 2" HDPE CONDUIT

215'

75'

9 MILE RD.

HILLSIDE DR.

TAP STREETLIGHT CABLE IN POST
SERIAL #: OW965

16

JOB NOTES:
USE CAUTION FOR UG PRIMARY
NEAR NEW STREETLIGHT.
TRUCK ACCESSIBLE.

PARENT WORK ORDER: 57090984
DRAWING SIZE: 11" x 17" - ANSI B

LEGEND

- LIGHTING CONTROL
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- DIRECTIONAL BORE
- CABLE IN CONDUIT
- TRENCH

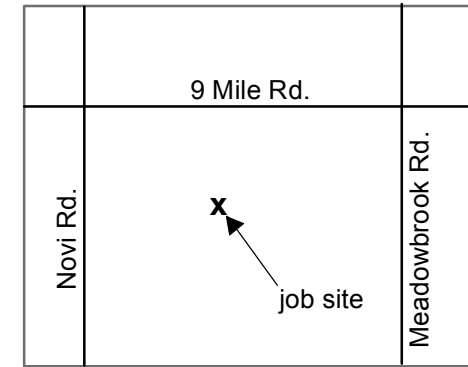
DTE DTE Electric - Distribution Engineering and Planning

Service Planner	Work Order Description						
Mira, Christopher	NBUS- Phase 4 Intersections Underground -Novi						
Phone	Work Order #	GIS-DSN	COH	CUL	CUG	PLC	
586.783.1969	57117079	57117083	58342204	57117093		58342225	
Supervisor	Circuit #1		Circuit #2		PH	SCMAT	
Brian R Kinnick	57117079		57117083		57117093	57117092	
Phone	Service Center	Worksite City	Worksite Twp		County		
734.397.4024	WWS	NOVI	NOV		Oakland		
Planning Engineer	JU Work to be Performed		JU		RSD		
	NONE						
Phone	JU Company	Contact	Email		Phone		
	JU Company	Contact	Email		Phone		
	CUE Number	Ver	Plot Date	Scale	Town	Range	Section Qtr
	1020241	1	8/18/2020	NONE			



Streetlight Billing Summary
 O310 - NOVI CITY OF
 9000 NOVI IN 2 *701

*** FOR ENTIRE WORK ORDER ***



RM: DET 605A
 IN: (2) DET 605D
 IN: SECONDARY JUMPER
 IN: MULTIPLE LED 136 LGC COBRA
 IN: S48 SUPPORT
 IN: PCLL
 L136 - AGD313 - 9000 NOVI - O310 - *701
 GLN: 233894-347222

4

3

ATTACH 1/0 MXATL TO
 SECONDARY SPOOL

2

ATTACH 1/0 MXATL TO
 SECONDARY SPOOL

1

ATTACH 1/0 MXATL TO
 SECONDARY SPOOL

RM: SEC NEUTRAL
 IN: 1/0 MXATL SEC
 3 SPANS

ROETHAL DR.

ASHBURY DR.

87'

198'

120'

JOB NOTES:

POLES ARE TRUCK ACCESSIBLE.

PARENT WORK ORDER: 57090984
 DRAWING SIZE: 11" x 17" - ANSI B

LEGEND

	LIGHTING CONTROL
	DECO POLE
	CABLE POLE
	STREETLIGHT ON POST
	STREETLIGHT ON POLE
	PADMOUNT TRANSFORMER
	SECONDARY PEDESTAL
	120/240 V LINE
	4.8 kV LINE
	13.2 kV LINE
	CABLE IN CONDUIT - DIRECTIONAL BORE
	CABLE IN CONDUIT - TRENCH

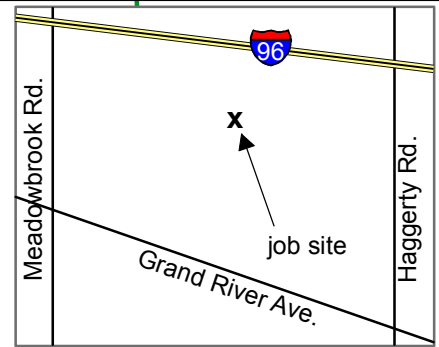
DTE DTE Electric - Distribution Engineering and Planning									
Service Planner		Work Order Description							
Mira, Christopher		NBUS - Phase 4 Intersections Overhead - Novi							
Work Order #		GIS-DSN		COH		CUL		CUG	
586.783.1969		57369954		57369986		57369996		57369995	
Supervisor		Circuit #1		Circuit #2		PH		SCMAT	
Brian R Kinnick		SNSET9039				57369993		57369995	
Service Center		Worksite City		Worksite Twp		County			
WWS		NOVI		NOV		Oakland			
Phone		JU Work to be Performed		JU		RSD			
734.397.4024		NONE							
Planning Engineer		JU Company		Contact		Email		Phone	
Phone		JU Company		Contact		Email		Phone	
CUE Number		Ver		Plot Date		Scale		Town Range Section Qtr	
1022245		1		8/19/2020		NONE		01N 08E 35	



Know what's below.
Call before you dig

MISS DIG:

EXT C/L HARRISON ST
22' +/- W C/L SEELEY RD.



5
IN: 35 4 PINE POLE
SKIP SPAN POLE
IN: SSS-DET 282
IN: (2) DET 605D
IN: SEC JUMPER
IN: MULTIPLE LED 136 LGC COBRA
IN: S48 SUPPORT
IN: PCLL
L136 - AGD314 - 9000 NOVI - O310 - *701
GLN: 239398-358471

12' BETWEEN POLES

RM: SEC NEUTRAL
IN: 1/0 MXATL SEC
2 SPANS

6
ATTACH 1/0 MXATL TO
SECONDARY SPOOL

HARRISON DR.

SEELEY RD.

JOB NOTES:

TRUCK ACCESSIBLE.

PARENT WORK ORDER: 57090984
DRAWING SIZE: 8½" x 11" - ANSI A

SHEET 2 OF 2

LEGEND

- LIGHTING CONTROL
- DECO POLE
- CABLE POLE
- STREETLIGHT ON POST
- STREETLIGHT ON POLE
- PADMOUNT TRANSFORMER
- SECONDARY PEDESTAL
- 120/240 V LINE
- 4.8 kV LINE
- 13.2 kV LINE
- CABLE IN CONDUIT - DIRECTIONAL BORE
- CABLE IN CONDUIT - TRENCH

DTE DTE Electric - Distribution Engineering and Planning

Service Planner		Work Order Description						
Mira, Christopher		NBUS - Phase 4 Intersections Overhead - Novi						
Phone	57369954	GIS-DSN	57369986	COH	57369996	CUL	CUG	PLC
586.783.1969	Circuit #1	Circuit #2			PH	57369993	SCMAT	57369995
Supervisor		Service Center	Worksite City	Worksite Twp		County		
Brian R Kinnick		WWS	NOVI	NOV		Oakland		
Phone	JU Work to be Performed		JU		RSD			
734.397.4024	NONE							
Planning Engineer		JU Company		Contact	Email		Phone	
		JU Company		Contact	Email		Phone	
Phone		CUE Number	Ver	Plot Date	Scale	Town	Range	Section
		1022245	1	8/19/2020	NONE	01N	08E	24
								Qtr