

# BALLANTYNE JSP20-38

### **BALLANTYNE JSP20-38**

Public Hearing at the request of Singh Development, LLC for approval of the Preliminary Site Plan, Woodland Use Permit, Wetland Use Permit, and Stormwater Management Plan. The subject property contains 50.86 acres and is located in Section 31, on the west side of Garfield Road, north of Eight Mile Road. The site is currently undeveloped. The applicant is proposing to construct 41 single-family residential units as part of a RUD Agreement with lots ranging in size from 21,780 square feet to 44,045 square feet.

#### **Required Action**

Approve/Deny the Preliminary Site Plan, Woodland Use Permit, Wetland Use Permit, Stormwater Management Plan, and any applicable Landscape Waivers.

REVIEW	RESULT	DATE	COMMENTS
Planning	Approval recommended	2-10-21	Items to be addressed on the Final Site Plan submittal
Engineering	Approval recommended	1-13-21	Items to be addressed on the Final Site Plan submittal
Landscaping	Approval recommended	2-12-21	<ul> <li>Landscape waiver is required for the deficiency in greenbelt width between 8 Mile Road and the south detention pond (It is supported by staff as the layout matches that in the approved RUD)</li> <li>Items to be addressed on the Final Site Plan Submittal</li> </ul>
Woodland	Approval recommended	2-12-21	<ul> <li>Items to be addressed on the Final Site Plan Submittal</li> </ul>
Wetland	Approval recommended	2-10-21	<ul> <li>Items to be addressed on the Final Site Plan Submittal</li> </ul>
Traffic	Approval recommended	12-30-20	<ul> <li>Items to be addressed on the Final Site Plan Submittal</li> </ul>
Fire	Approval recommended	1-5-21	Items to be addressed on the Final Site Plan Submittal

#### **MOTION SHEET**

#### Approval - Preliminary Site Plan

In the matter of Ballantyne, JSP20-38, motion to **approve** the <u>Preliminary Site Plan</u> based on and subject to the following:

- a. Landscape Waiver for a deficiency in greenbelt width between Eight Mile Road and the south detention pond because it is consistent with the approved layout plan of the RUD Agreement, which is hereby granted;
- b. The findings of compliance with Ordinance standards in the staff and consultant review letters and the conditions and the items listed in those being addressed on the Final Site Plan: and
- c. (additional conditions here if any)

(This motion is made because the plan is otherwise in compliance with Article 3, Article 4, and Article 5 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

- AND -

#### Approval - Woodland Use Permit

In the matter of Ballantyne, JSP20-38, motion to **approve** the <u>Woodland Use Permit</u> subject to:

- a. The findings of compliance with Ordinance standards in the staff and consultant review letters, and the conditions and items listed in those letters being addressed on the Final Site Plan; and
- b. (additional conditions here if any)

(This motion is made because the plan is otherwise in compliance with Chapter 37 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

- AND -

#### Approval - Wetland Use Permit

In the matter of Ballantyne, JSP20-38, motion to **approve** the <u>Wetland Use Permit</u> subject to:

- a. The findings of compliance with Ordinance standards in the staff and consultant review letters and the conditions and the items listed in those being addressed on the Final Site Plan; and
- b. (additional conditions here if any)

(This motion is made because the plan is otherwise in compliance with Chapter 12, Article V of the Code of Ordinances and all other applicable provisions of the Ordinance.)

- AND -

#### Approval - Stormwater Management Plan

In the matter of Ballantyne, JSP20-38, motion to **approve** the <u>Stormwater Management Plan</u> subject to:

- a. The findings of compliance with Ordinance standards in the staff and consultant review letters and the conditions and the items listed in those being addressed on the Final Site Plan; and
- b. (additional conditions here if any)

(This motion is made because the plan is otherwise in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

- OR -

#### Denial - Preliminary Site Plan

In the matter of Ballantyne, JSP20-38, motion to **deny** the <u>Preliminary Site Plan</u> ... (because the plan is not in compliance with Article 3, Article 4, and Article 5 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

-AND-

#### **Denial - Woodland Use Permit**

In the matter of Ballantyne, JSP20-38, motion to **deny** the <u>Woodland Use Permit</u> ... (because the plan is not in compliance with Chapter 37 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

-AND-

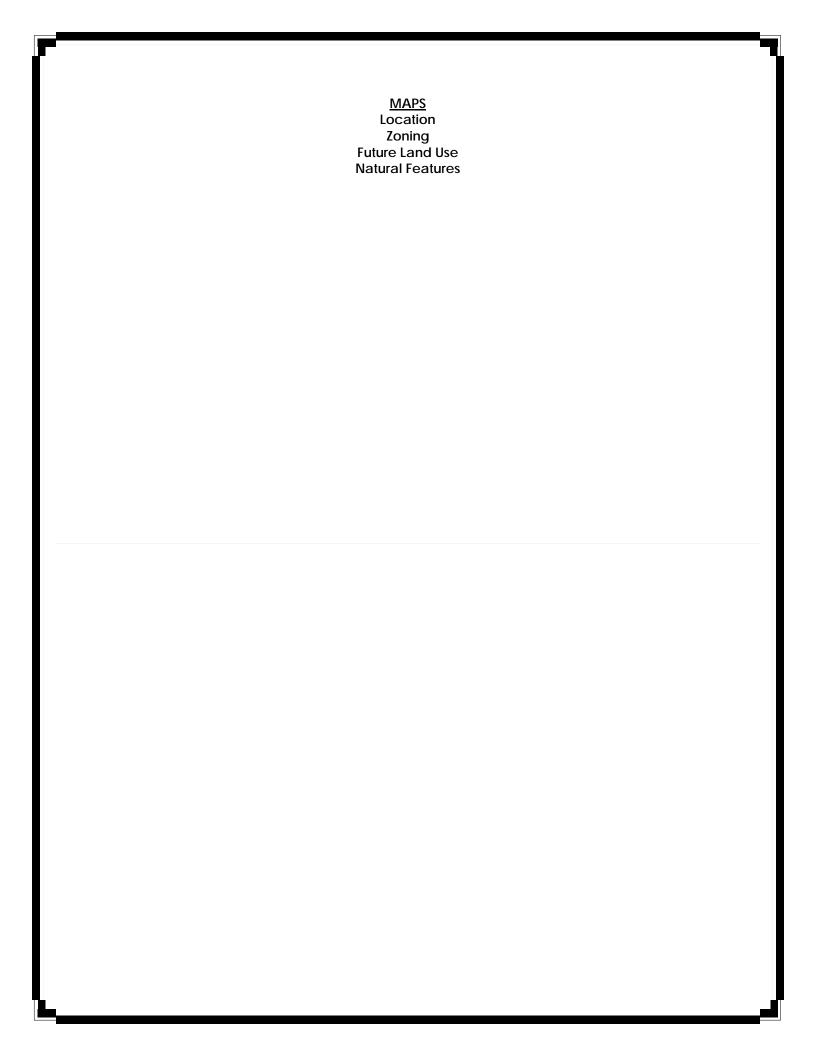
#### Denial - Wetland Use Permit

In the matter of Ballantyne, JSP20-38, motion to **deny** the <u>Wetland Use Permit</u> ... (because the plan is not in compliance with Chapter 12, Article V of the Code of Ordinances and all other applicable provisions of the Ordinance.)

- AND -

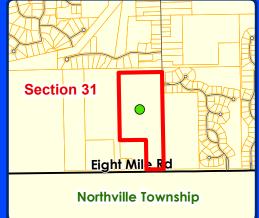
#### <u>Denial - Stormwater Management Plan</u>

In the matter of Ballantyne, JSP20-38, motion to **deny** the <u>Stormwater Management Plan</u> ... (because the plan is not in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.)



# JSP20-38 BALLANTYNE LOCATION





#### LEGEND

Subject Property



## City of Novi

Dept. of Community Development City Hall / Civic Center 45175 W Ten Mile Rd Novi, MI 48375 cityofnovi.org

Map Author: Christian Carroll Date: 2/19/21 Project: BALLANTYNE Version #: 1

0 120 240 480 72

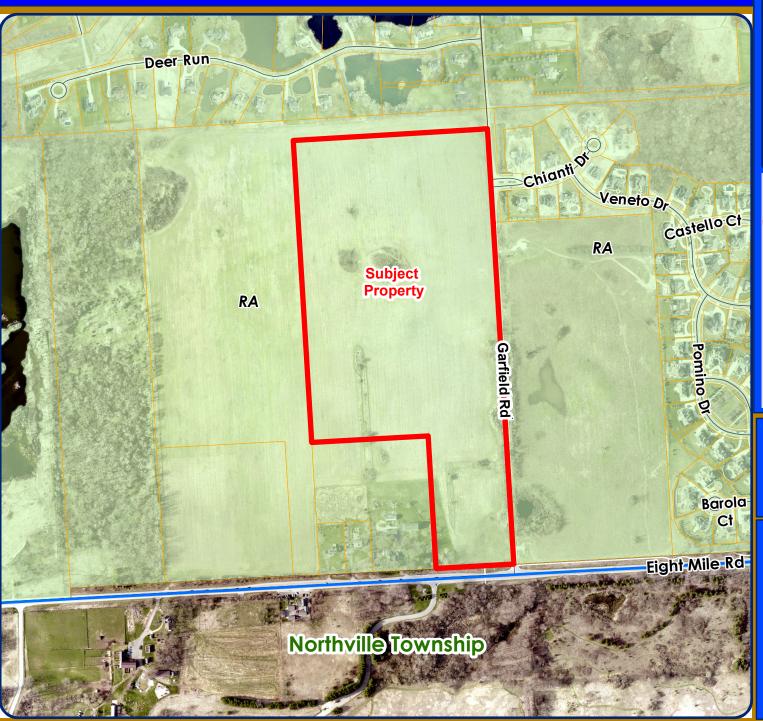


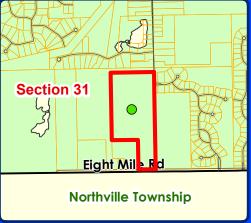
1 inch = 543 feet

#### 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 nd 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.

# JSP20-38 BALLANTYNE ZONING





#### **LEGEND**

R-A: Residential Acreage

Subject Property



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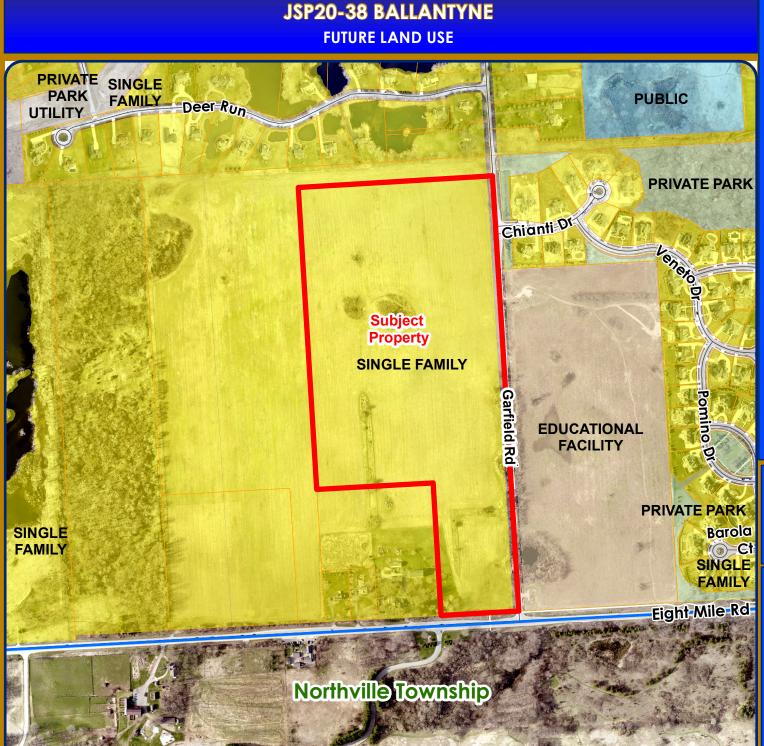
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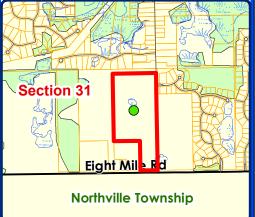
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# JSP20-38 BALLANTYNE

**NATURAL FEATURES** 





#### **LEGEND**

WETLANDS

WOODLANDS

Subject Property



## City of Novi

Dept. of Community Development City Hall / Civic Center 45175 W Ten Mile Rd Novi, MI 48375 cityofnovi.org

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SITE PLAN (Full plan set available for viewing at the Community Development Department.)						

# LEGAL DESCRIPTION

A part of the Southeast 1/4 of Seelbo 31. Torn 1 North. Reage 8 East, City of Nov. Caldenot County, Michigan: being more particularly described as commencing at the Southeast Commer of soid Section 31; tence North 001542′ West, 80.00 feet, along the East line of soid Section 31 and the centerline of Carffell Road, to the Point of Beginning, tence kenth 807500′ West, 40.00′ feet, along the Cast line of soid Section 31 and the centerline of Carffell Road, to the Point of Beginning, tence kenth 807500′ West, 40.00′ feet North of and parallel to the South line of soid Section 31 and the centerline of Egyph Mile Road). Thereon North 0017542′ West, 70.00′ feet, (proviously described as North 0070′ feet North 807500′ West, through North 807500′ West, 1710.11 feet); thence North 807500′ West, through North 807500′ West, 1710.11 feet); thence North 807500′ West, through North 807500′ West, 1710.11 feet); thence North 807500′ West, 1710.11 feet); the

#### **BENCHMARKS**

BENCH MARK (31-5) CITY OF NOVI R.R. SPIKE IN EAST SIDE OF 16" WALNUT 2363" NORTH OF CL EIGHT MILE RD. AND 17" WEST OF CL GARFIELD. ELEV. 979.25

BENCH MARK 1 P.K. NAIL IN 15" ELM 500" NORTH OF CL EIGHT MILE RD AND 40" WEST OF CL GARFIELD ELEV. 983.33

#### FIRE DEPARTMENT NOTES

- All fire hydrants and water mains shall be installed and in service prior to above foundation building construction as each phase is
- All roads shall be paved and capable of supporting 35 tons prior to construction above foundation.
- Building addresses shall be posted facing the street during all phases of construction. Addresses shall be a minimum of three inches in height on a contrasting background.
- Provide 4-6" diameter concrete filled steel posts 48" above finish grade at each hydrant as required.
- Fire lones shall be posted with "Fire Lone No Parking" signs in accordance with Ordinance #85.99.02.

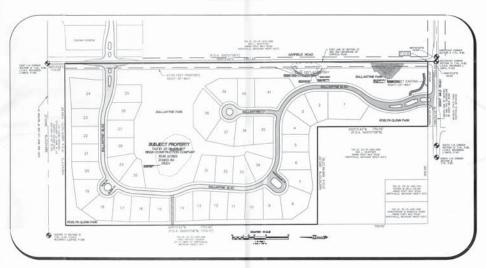
#### PRELIMINARY SITE PLANS FOR

A RESIDENTIAL DEVELOPMENT SECTION 31, CITY OF NOVI OAKLAND COUNTY, MICHIGAN

PREPARED FOR:

#### SINGH DEVELOPMENT, LLC

7125 ORCHARD LAKE ROAD SUITE 200 WEST BLOOMFIELD, MICHIGAN 48325-3005 248.865.1600





### SEIBER, KEAST ENGINEERING, L.L.C.

CONSULTING ENGINEERS

7125 ORCHARD LAKE ROAD + SUITE 304 + WEST BLOOMFIELD, MI + 48322 PHONE: 248.562.7357 FAX: 248.562.7397



#### SHEET INDEX

#### ENGINEERING PLANS:

- COVER SHEET PRELIMINARY SITE PLAN
- 3. PRELIMINARY SITE PLAN 4. STORM WATER MANAGEMENT PLAN 5. SEC. 31/32 SANITARY SEWER SAD

#### LANDSCAPE PLANS:

- LS-1. STREET TREE PLANTING PLAN LS-2. LANDSCAPE PLANTING DETAIL PLAN
- LS-3, LANDSCAPE PLANTING DETAIL PLAN
- LS-4, PLANT MATERIAL LIST AND DETAILS LS-5. TREE REPLACEMENT PLANTING PLAN
- LS-6. TREE REPLACEMENT PLANTING PLAN
  - NOTES

ALL WORK SHALL CONFORM TO THE CITY OF NOW'S CURRENT STANDARDS AND SPECIFICATIONS.

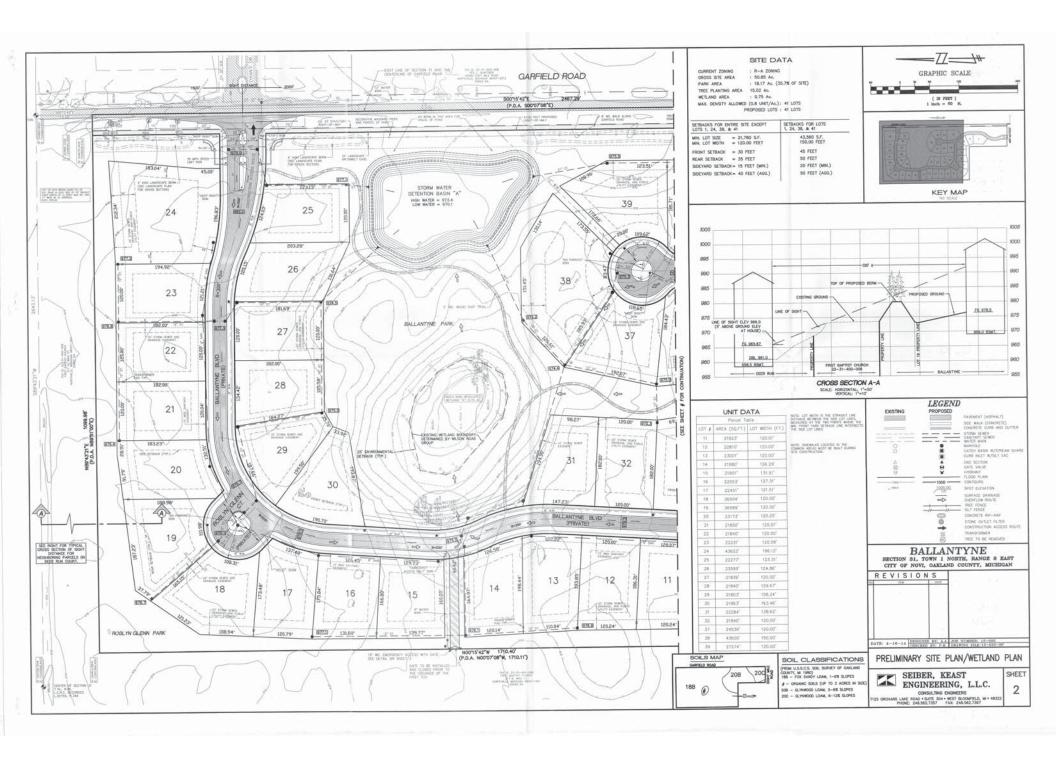
ALL PAVEMENT MARKINGS, TRAFFIC CONTROL SIGNS, AND PARKING SIGNS SHALL COMPLY WITH THE DESIGN AND PLACEMENT REQUIREMENTS OF THE 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

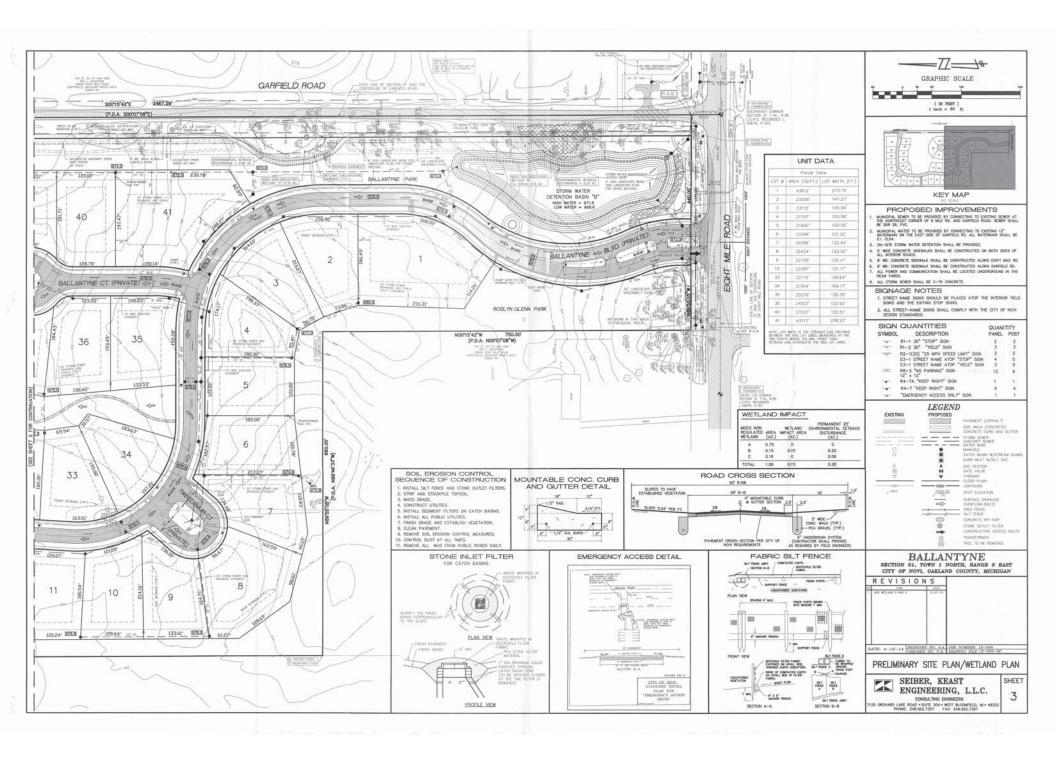
SURVEY PROVIDED BY: AMBIT LAND SURVEYORS, INC. 691 WING STREET PLYMOUTH, MICHIGAN 48170 PHONE: 734.455.5501

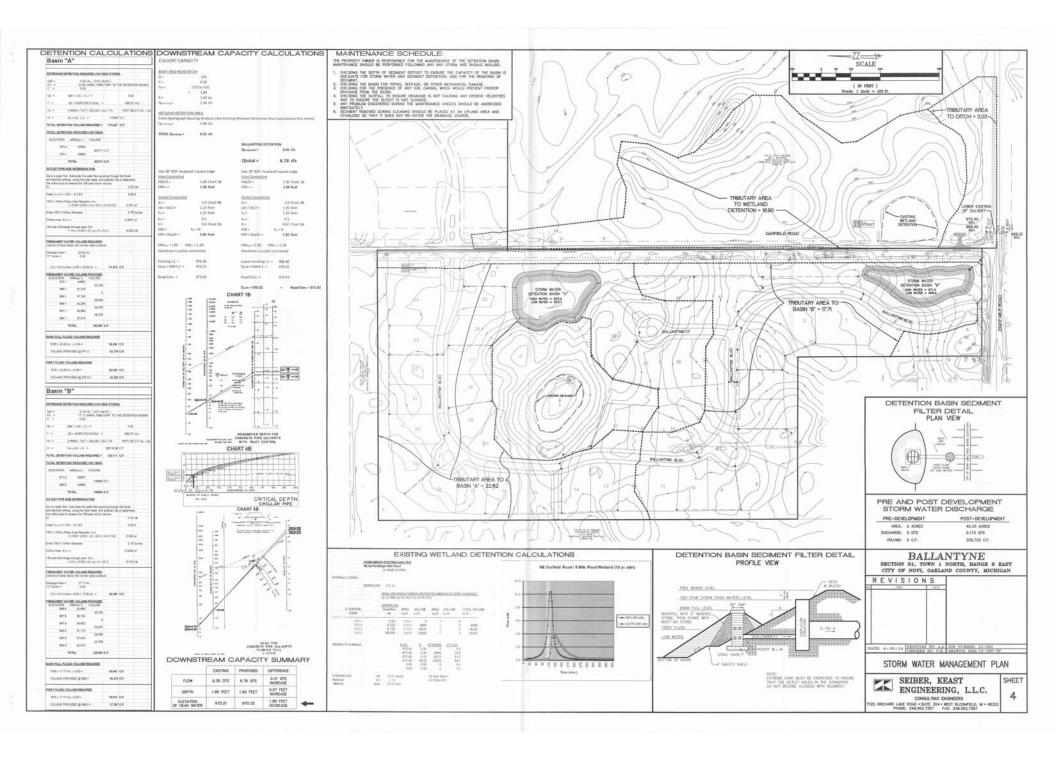
LANDSCAPE PLANS PREPARED BY: CALVIN HALL & ASSOCIATES 24333 ORCHARD LAKE ROAD, SUITE G FARMINGTON HILLS, MICHIGAN 48336 PHONE: 248,557,5588

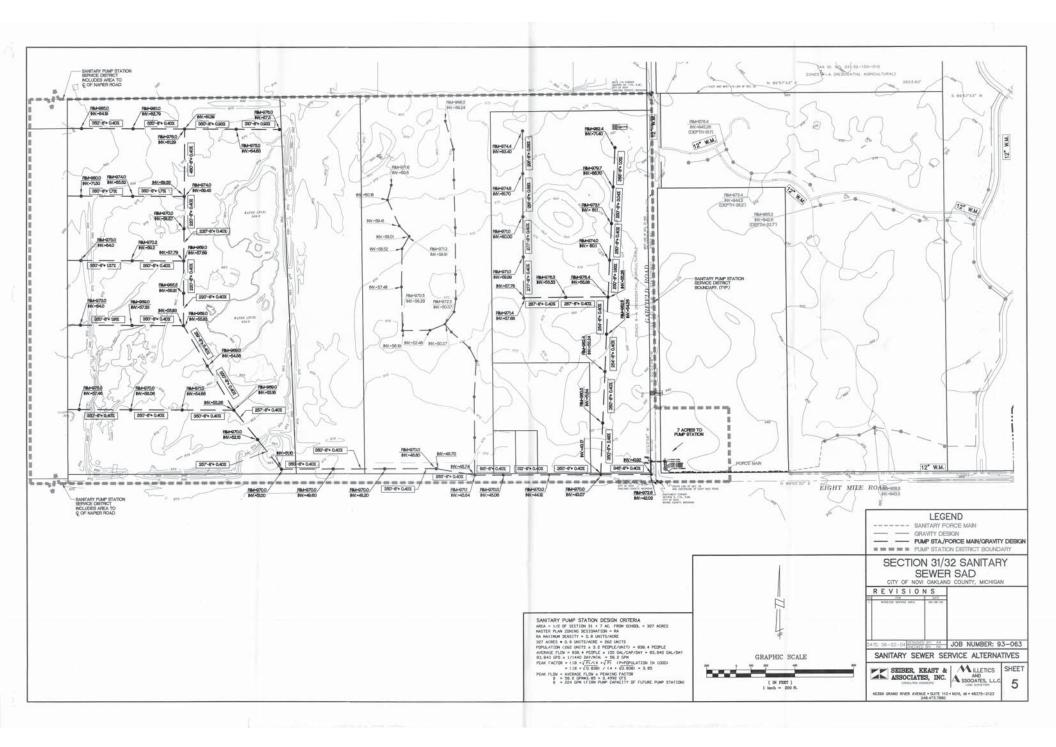
WETLAND INFORMATION PROVIDED BY: WILSON ROAD GROUP 303 W. NEPESSING, SUITE 200 LAPEER, MICHIGAN 48446 PHONE: 810,664,6300

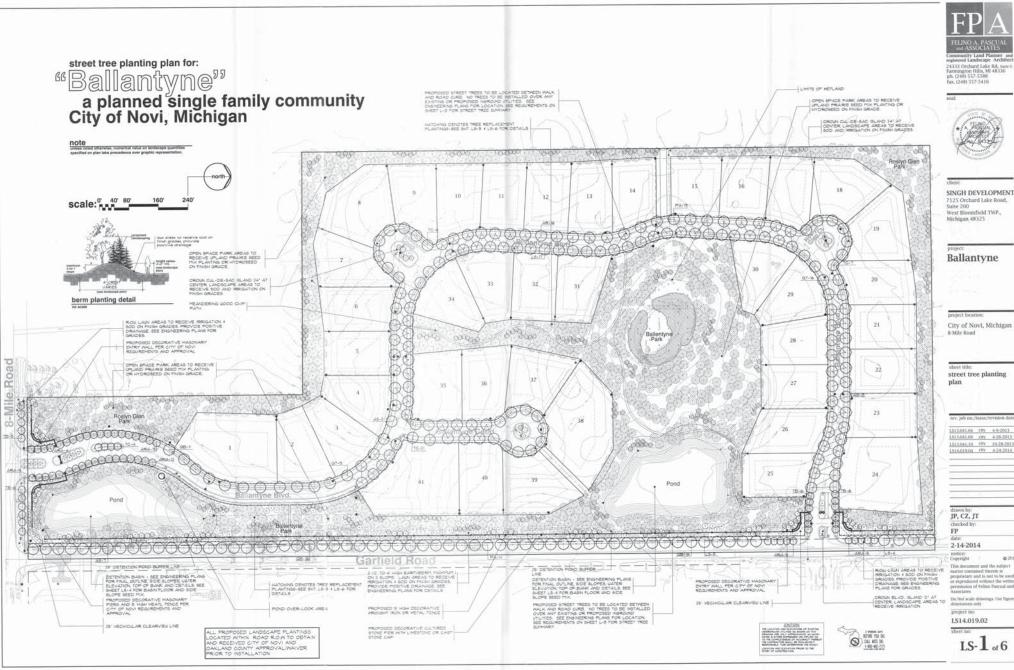












Community Land Planner as registered Landscape Archites 24333 Orchard Lake Rd, saie Farmington Hills, Mi 48336 ph. (248) 557-5588 fax. (248) 557-5416



SINGH DEVELOPMENT 7125 Orchard Lake Road,

project location

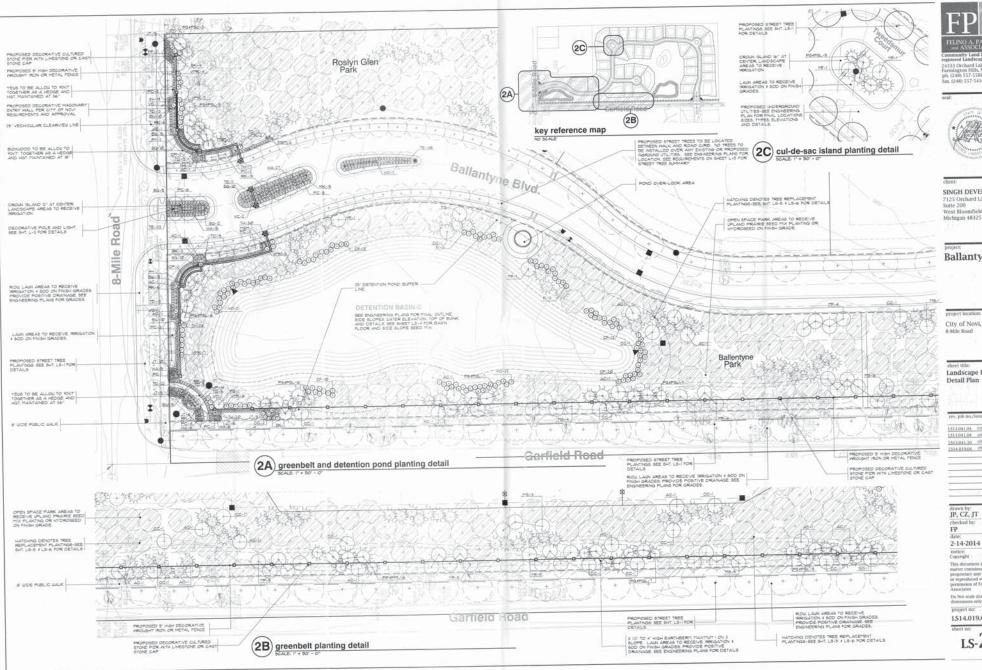
LS13.041.04 city 4-26-2013 1513.641.10 city 10-28-2013 1514.019.04 dBy 4-24-2014

JP, CZ, JT

2-14-2014

LS14.019.02

LS-1 of 6



24333 Orchard Lake Rd, Su Farmington Hills, MI 48336 ph. (248) 557-5588 fax. (248) 557-5416



SINGH DEVELOPMENT

7125 Orchard Lake Road, Suite 200 West Bloomfield TWP., Michigan 48325

Ballantyne

City of Novi, Michigan

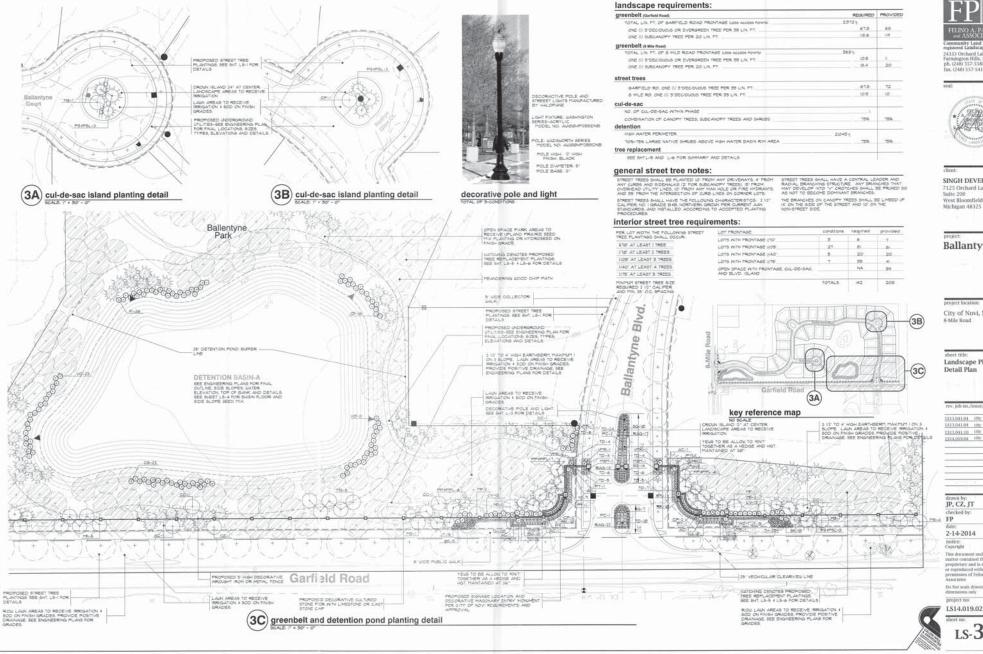
Landscape Planting

1513.041.04 City 4-9-2013 1513.041.04 city 4-26-2013 1513.041.10 City 10-28-2013 LS14.019.04 dity 4-24-2014

This document and

LS14.019.02

LS-2 of 6



24333 Orchard Lake Rd, Sume G Farmington Hills, MI 48336 ph. (248) 557-5588 fax. (248) 557-5416



SINGH DEVELOPMENT 7125 Orchard Lake Road, Suite 200 West Bloomfield TWP.,

Ballantyne

City of Novi, Michigan 8-Mile Road

Landscape Planting

\$13,041.04	city	4/9/2013
\$13,041.04		
513.041.10	csey	10-28-2013
\$14,019,04	city.	4-24-2014

JP, CZ, JT

2-14-2014

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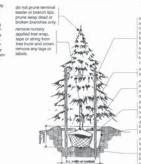
or branch tips, prune away dead or broken branches only. neutral in color, leave 3" circle o bare soil at base of free trunk. break up (scartly) sides of planting hole.

3 4 width of rootball

do not attale trees unless in heavy day look, why bookstons, 3" or greater distanter the trust of large cross. 3" attaining in needed due to these statisting in needed due to these with 2rd furtherood statistic or approved qualification of set trust to allow for trust fistings. "Inter-tants to allow for trust fistings," since trust part below first trustness with 2" or which to allow first fistings. (If pure or on opposite siztes of tree, convent from the data trustness, do not use longs with thrust house), increase at galleng materials for 1 years.

remove nursery applied tree wrap, tape or string from tree trurk and crown, remove any tags or lisbels. mutch 2"-3" depth with shredded

fold down or pull back string, burisp or plastic exposing rootball, remove all non-degradable materials, do not remove soil from the rootball.



general landscape notes:

ADSCAPE CONTRACTOR SHALL VISIT THE SITE REPECT EXISTING CONDITIONS, REVEN-REPOSED PLANTING AND RELATED NORK CONTACT THE GUISTER AND/OR LANDSCAPE PROPERTY WILLIAM CONCESSION OF DECRETARY DETAILS THE PLANT FLANT PATERIA

NAMERICAL VALUE ON THE LANDSCAPE GRAVITTES SPECIFIED ON THE PLAN TAKE MERCESORICE OVER GRAVING REPRESENTATION VERIFY JAYY CONCERN-DISCRESS AND GRAVE JAKY CONCERN-DISCRESS

ALL BUSSTITUTIONS ON DEVIATIONS PROFIT THE LANDSCAPE PLAN MUST BE APPROVED A BY CITY OF NOVI JND LANDSCAPE ARCHITECT

A FLANT BEDS TO BE DRESSED UTH MIN 21 OF FINELY DOUBLE SHREDDED HARDBARK MALD DIG SHALE PITS I LARGER THAN SHALE ROOT BALLS AND TREE PITS I LARGER THAN 8 ROOT BALL. BLOCK PILL UTH ONE PART TOP SOIL AND ONE PART SOIL FROM BICARD PILL PITCH SOIL.

IN REPOVE ALL TUNE UNE HIG BURLAP FROM TREE AND SHALB EARTH BALLS, AND FROM TREE TRANSA

THEIR TRANS.

MATURAL COLOR FIRST SHEEDED HARDUDDD BARK TRECH REQUIRED FOR ALL FLAN

4" THOSE BARK TRECH FOR THEIRS HIS DISH FORCE BITS IF RELED AUGH MOST TRANS.

8" THOSE BARK TRECH FOR PRISING BITS THOSE BARK TRECH FOR REFERENALS.

BLANT HATTERIAL DULL'IT SHITTELLATION BAILL BE IN ADDISONANCE BITS THE CARRENT

AMERICAN ARRONATION OF AMERICATION LANCES OF REQUIRED.

IS PROVIDE FEAT 600 FOR ALL NEW AND DISTARRED LIAIN WARRAS UNLESS NOTED OTHERWISE

ALL PLANTNG AREAS TO BE PREPARED UTW APPROPRIATE SOIL HIXTURES AND FERTILIZES BEFORE PLANT INSTALLATION.

PLANT TREES AND SHRUBS GENERALLY NO CLOSER THEN THE FOLLOWING DISTANCES FROM SIDELULAR, CLIRES AND PLANCING STALLS.

AT SHADE TREES
BY CONDITIONAL AND EVERGOREEN TREES
COMB. PINE SPRICE, 815.7
BY SHAUBS THAT ARE LESS THAN I POOT TALL
AND UPPE AT THE LESS THAN I POOT TALL

#### detention basin seed mix:

Sedge Meadow Mis oz/sore

Components per acre
Subje Material III to present and seque. 3 En fature annual cover: (Edgs, Upland 4 Dry Upland Zones)

SOURCE NATIVESCAPE LL.C.
P.O. BOX 122
MANCHESTER, MICHIGAN 46/39
pp. 51, 146-46/46
una nativescape net

mulch 2"-3" depth with shredded hardwood bark, mulch shall be neutral in color, leave 3" circle of bare soil at base of tree trunk. fold down or pull back string, burlap or plaintic exposing ro-remove all non-degradable

3 x width of rootbell shrub planting detail

BATERING OF ALL PLANTS AND TREES TO BE PROVIDED IMPEDIATELY AND HULGHING WITHIN IN HOURS AFTER INSTALLATION.

, TREE PITS TO BE TESTED FOR PROPER DRAINAGE PRIOR TO TREE PLANTING OVIDE APPROPRIATES DRAINAGE SYSTEM AS REQUIRED IF THE TREE PIT DOES TORAN SUPPOENTLY.

8' CLEARANCE BONDARY AT TRANSFORMER DOOR FRONT

TRANSFORMER DOOR FROM 0:0 IF TYP, CLEARANCE BOUNDARY ALONG TRANSFORMER SIDES AND BACK 000

#### transformer pad planting detail

SEE ENSHEERING FLANS FOR PROPOSED LOCATIONS, TOTAL NUMBER OF TRANSFOR AND FINAL LOCATION FER DETROIT EDISON REQUIREMENTS.

Mesic Prairie Mix: (Dry Upland Zone)

Grasses ozlacre
15. Andropogor gerardi (flig Buestern)
20. Elymus canademies Comade Wat Ryel
17. Elymus virginus (Virginia Witi Ryel)
4. Parecum vegatum Elektringvassi

#### sedimentation basin wetland plant mix

Wet Mesic Prairie Mix: (Upland Zone)

Sedge Meadow Mix oxiacre
16 Anthopogon general (Sig Blue
2 Cess annecture kenthocope
3 Cess famili Fluens Sedge
6 Cerex vulphodas (Fox Sedge

SOURCE SESTORATION NURSERY P.O. BOX 546-2200 E. FUSON ROAD MAKEE, NO ANA 41506 pt. 165-206-1154 awas speriodringery.com

burlap or plastic exposing a remove all non-degradable materials.

or slightly above grade if in clay soil mulah 21-31 death with shredded

mulch shall be neutral in color. break up (scarify) sides of planting hole.

tree staking detail

THE THE

perennial planting detail

#### landscape maintenance notes:

L LANDIGLAPING SHALL BE KEPT IN A NEAT, ORDERLY, AND HEALTHY ORDUND. CONDITION, FREE FROM DESIRE AND SERVING. BY READING SHALL BE PRIVATE, BETHEVE THE FIRE OF HISTALLIATION, ONLY TO REPROVE DEAD OR DISEASED REMACHES SUBSEQUENT PREVIOUS SHALL ASSUME PROPER HAMBACHER OF PLANTS TO ACHIVITY THEM APPROVED PREPORE.

THE SELE OF THE MATRICAL IT IS INTRODED TO METHACE.

THE APPROVAD LAMBORATE MAIN SHALL BE CONSIDERED A PENTANDIT MECONO
AND INTRODUCT PART OF THE SITE MAIN APPROVAL, DULIES OF THRUSE APPROVAD
A ACCORDINATE WITH THE APPROVADITIONED PROCESSINGS ANY WEIGHTS TO, OR
ACCORDINATE WITH THE APPROVADITIONED PROCESSINGS ANY WEIGHTS TO, OR
THE APPROVED LAMBORATE MAIN AND SHALL BE VIEW AS A VIOLATION OF THIS
BOUNDACK AND THE ADMITTS OF THE TIME OF THE PINAL SITE MAIN APPROVAD.

cost estimate summary	
TOTAL ESTMATED PLANT MATERIALS COST	116140000
TOTAL ESTMATED INNIGATION COST	10,000,00 10,000,00
TOTAL HISC. ITEM COST (MULCH, EDGNG, PARRIC, ETC.)	19.000.00
TOTAL TRANSPORTER SCREEN PLANTING COST	10,000,00 918,000,00
TOTAL ESTIMATED LANDSCAPE COST	1234.400.00

#### native wildflower seed mix:

use same stationinguing orientation for all plants until each grouping of area. Just to finch using 2 links transchusing 2 links batt-like factioned; floor use to opposite, after the

fax. (248) 557-5416

SINGH DEVELOPMENT

7125 Orchard Lake Road, Suite 200 West Bloomfield TWP., Michigan 48325

Ballantyne

City of Novi, Michigan

plant material list and

L513.041.04 city 4-26-2013

1514.019.04 CHY 4.24-2014

IP, CZ, IT checked by

2-14-2014

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project no

LS14.019.02

Plant Material List, Planting Details and Notes



#### tree replacement plant material list

key		SHT.L-6	SHT.L-6	totals	botanical name	common name	size	cost	totals
					DECIDUOUS TREES				
N6R		30	49	63	NY884 SYLVATICA	BLACK OUT TUPELO	7 17 86	1400	101,000,00
AME		38	73	11	ACER BACCHARUT	BUSINE MAPLE	2 10" 88	нее	H4,400.00
ARR	-	18	16	10	ACER R. FRANKSRED	RED SINNET RED MAPLE	2,101,66	HOD	144,600,00
LSR		34	61	16	LIQUIDAMBAR STYRACPLUA	APERICAN INJETSUP	2.12, 88	1400	106,400.00
LTR		30	32	80	LIRIODENDRON TALIFFERA	TALFINEE	21/21/66	нее	100,000,00
POR		8	42	50	PLATANIO DOCIDENTALIO	AMERICAN BYCAMORE	21/21/86	нас	10000000
OTN	7.	16.	41	77	GLEDITSIA TWI, NEWTO SKYLDOLE	SKYL NE LOCUST	212186	1400	Калово
GOR		79	22	40	GYPNOCLADUS PIOCUS	KENTUCKY COPPERTREE	232,00	наа	16,400,00
CON	12.	l n		23-	CERCIS CANADIDAIS	EASTERN REDBUD	21/21/88	1100	930000
OVR		4		4	OSTRYA VIGNIANA	APERICAN HOPHORNBEAT	717.88	400	440000
TAR			29	38	TILIA APERICANA	APERICAN BASSUCCO	2 12" 88	наа	15300.00
COR					CELTIS DOCIDIENTALIS	NORTHERN HACKBERRY	2.12" 88	Hee	15200.00
QCR.	+	44	31	61	QUERCUS COCCNEA	SCAPLET DAK	7.12" 88	наа	102,400.00
CRIT.		- 6	36	BI	QUERCUS RUBRA	MED OAK	2.12" 86	400	00,400,00
GBR	-	19	41	68	QUENCUS TROOLON	BUARF UNITE DAK	210"88	нее	61300.00
					EVERGREEN TREES				
PGR		76	100	114	PICEA GLAUCA	UHITE SPRUCE	1.00	ное	16140000
POR		65	101	166	PNUS STROBUS	EASTERN WHITE PINE	7.88	1400	W4,400.00
TON		27	77	104	TBUGA CANADENSIS	CANADIAN HERLOOK	7 00	1400	H400.00

I FENONS SHALL BE ERECTED PRIOR TO CONSTRUCTION THE CITY SHALL BE NOTIFIED ONCE THE FENONS IS NOTALLED FOR INSPECTION.

NOTIFIED ONCE THE PROMOT IS NOTIFIED FOR INPECTION.

INFORMED ONCE PROMOTORS SHALL THE PROTECTION ENGINEER REPOYED SHOULD THOSE APPROACH. RIGHT HE CITY.

AND RESIDENT ALCOHOLD AND THE CITY.

AND RESIDENT ALCOHOLD AND THE CITY.

AND ROUNDED AND AND THE CITY SHALL THE PROTECTION AREA.

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#### City of Novi landscape notes:

- KILL NOTES:

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  AND CURRENT AMERICAN ASSOCIATION OF NUMBER THEN'S STANDARDS.
- 2) PLANT MATERIALS TO BE GUARANTEED FOR 2 YEARS, REPLACE PALLING MATERIAL WITHIN 1 YEAR OR THE NEXT APPROPRIATE PLANTING PERIOD.
- I PLANT MATERIALS TO BE OF PREMIUM QUALITY, NO. I SRADE NORTHERN NAMEN AMOUNT IN HEALTHY CONDITION PRICE OF PESTS AND DISEASES
- 4) MILCH IS TO BE NATIFIAL, COLORED, FINELY SHEEDED HARDWOOD BARK FROM TRUNK, IP THOSE BARK MILCH FOR SHRIDS AND IP THICK BARK MILCH FOR PRESENDALS.

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- DO NOT PRIME TERTINAL LEADER PRIME ONLY DEAD OR BROKEN BRANCHS

- I) DO NOT PRIME TERMINAL LEADER PRIME ONLY DEAD OR BROKEN BRANCHES
- REMOVE ALL TAGS STRING, PLASTICS AND OTHER MATERIALS THAT ARE INCLIGHTLY AND COULD CAUSE GISCLING.
- I) PERENNALS TO BE PLANTED UP TO SAUCER AROUND TREE OR SHRUB IN THE AREA.
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- NO SHALL NOT BE NATALLED CLOSER TO THE TREE THAN THE NE OF THOSE TREES TO BE SAVED BYECUL CIRCUPSTANCES SH VELLED BY THE CITY.

- woodland tree replacement summary
- TAL NO OF TREE REPLACEMENT GREDITS REQUIRED (REPLACEMENT PROVIDED ON OBERLIN AND BALLANTYNE SITE)
- TOTAL NO OF TREE REPLACEMENT CREDITS PROVIDED (REPLACEMENT PROVIDED ON CRERLIN AND BALLANTYNE SITE)
- NO OF ON-SITE TREE REPLACEMENT GREDITS PROVIDED (OBERLIN SITE)
- NO OF OFF-SITE TREE REPLACEMENT CREDITS PROVIDED IBALLANTYNE SITE!

#### woodland tree replacement summary (Ballantyne Site-off site)

- TOTAL NO OF MOODLAND TREE REPLACEMENT CREDITS PROVIDED\_
  - NO, OF WOODLAND TREE REPLACEMENT PLANTINGS PROVIDED ISHEET LS-SI 585.22
  - 214 2 1/2" DECIDIOUS TREE # 10-CREDITS 214 166 T. EVERGREEN # 61-CREDITO 11:22
  - NO. OF MODDLAND TREE REPLACEMENT PLANTINGS PROVIDED (SHEET LS-6) 602-2 1/2" DECIDIOUS TREE # 1.0-CREDITS 602 275-T EVERAREEN # 67-CREDITS (86-26

#### misc. notes:

- REFERENCE ENGINEERING PLANS FOR EXISTING AND PROPOSED FINAL UTLITIES, URLES, AND FRICE LOCATIONS . REFERENCE DISCRETE PLANS FOR GRADING WITH FIN 2: INTERVALS
- REFERENCE ENGINEERING PLANS FOR GOODLAND SURVEY OF EXISTING THEES OVER 5" INCLUDING PROPOSED PROTECTION FENCE LOCATIONS
- A REFERENCE ENGINEERING PLANS FOR EXISTING SOUR PER USCA.
- TOR-8 PROPOSED INDEXISAND UTUITIES-SEE ENGNEERNS PLAN FOR FINAL LOCATIONS, SIZES, TYPES, ELEVATIONS AND DETAILS PROPOSE TISEE REPLACEMENT TO BE PLANTED MN. 10" DISTANCE FROM UTUITY LINE PROPOSED STREET TREE PLANTINGS: SEE SHT, LS-1 FOR -DETALS

PSR-T

06R-8

24333 Orchard Lake Rd, Suite Farmington Hills, MI 48336 ph. (248) 557-5588 fax. (248) 557-5416



SINGH DEVELOPMENT

West Bloomfield TWP... Michigan 48325

**Ballantyne** 

project location

Blvd.

City of Novi, Michigan 8-Mile Road

sheet title:

site off woodland tree replacement planting plan for Oberlin

LS13.041.04 city 4-26-2013 1514,019,04 rHV 4-24-2014

drawn by: JP, CZ, JT

checked by:

2-14-2014

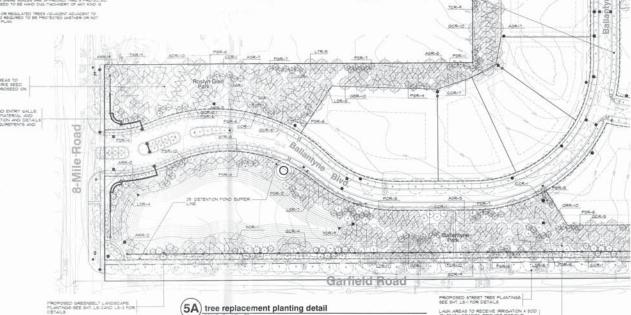
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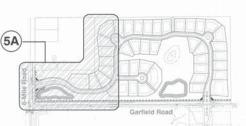
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LS14.019.02

LS-5 of 6

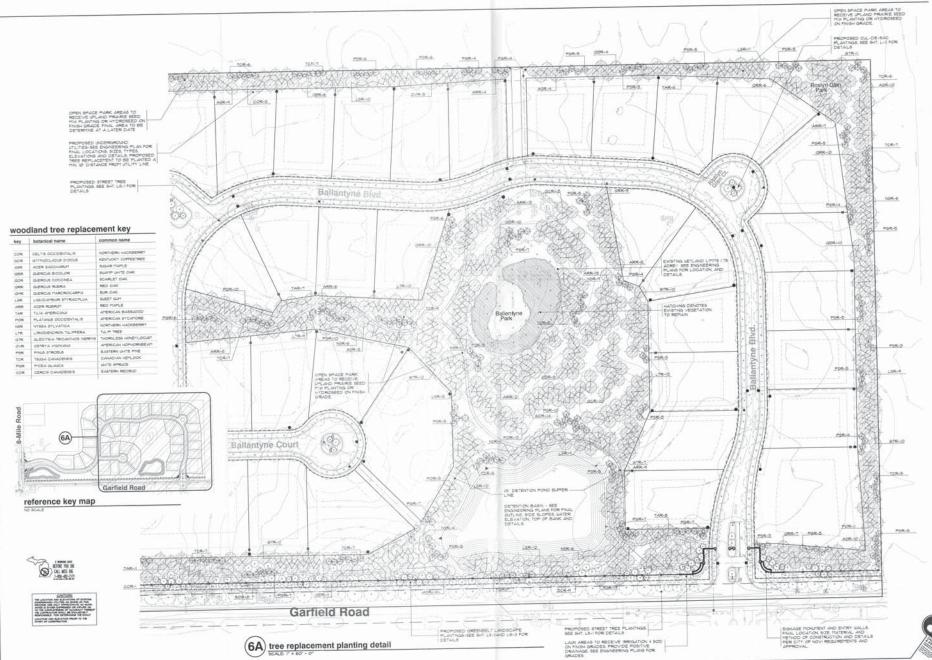




reference key map

BEFORE 1900 DIC CALL MISS DIC 1-100-100-1001

LAIN AREAS TO RECEIVE IRRIGATION 4 SO ON FINISH GRADES, PROVIDE POSITIVE DRAINAGE SEE ENGINEERING PLANS FOR GRADES.





Community Land Planner and registered Landscape Architec 24333 Orchard Lake Rd, Suite G Farmington Hills, MI 48336 ph. (248) 557-5588 fax. (248) 557-5416



client

SINGH DEVELOPMENT 7125 Orchard Lake Road, Suite 200 West Bloomfield TWP, Michigan 48325

Ballantyne

project location:

City of Novi, Michigan

site off woodland tree replacement planting plan for Oberlin

1513.041.04	city	4-9-2013
1513.041.04	CHE	4-26-2013
1513.041.10	city	10-28-2017
1514,019.04	city	4-24-2014

drawn by: JP, CZ, JT checked by: FP

date: 2-14-2014

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pyright © 2012

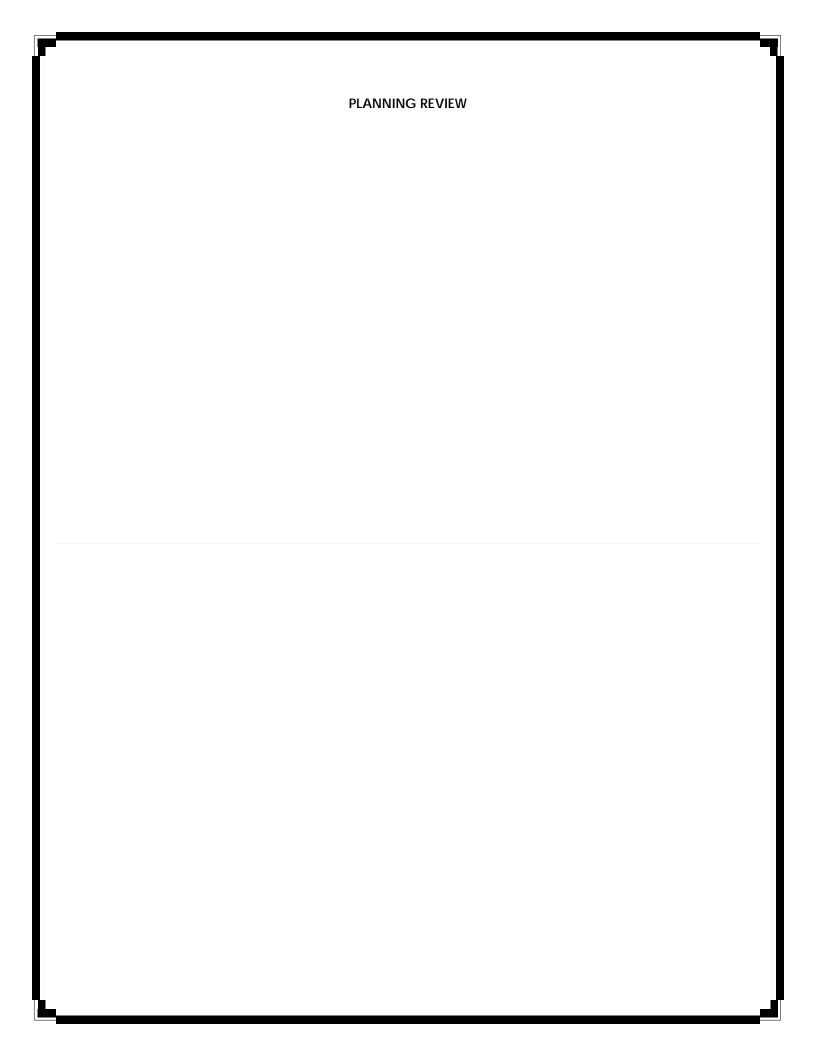
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Do Not scale drawings. Use figured dimensions only project no:

F LS14.019.02

sheet no:

LS-6 of 6





### PLAN REVIEW CENTER REPORT

# Planning Review BALLANTYNE

JSP 20-38 February 10, 2021

#### **PETITIONER**

Singh Development, LLC

#### **REVIEW TYPE**

Preliminary Site Plan

#### PROPERTY CHARACTERISTICS

Section	31				
Site Location	North of Eig	North of Eight Mile, West of Garfield Road; 22-31-400-007			
Site School	Northville P	ublic Schools			
Site Zoning	RA: Resider	itial Acreage			
	North	RA: Residential Acreage			
Adjoining Zoning	East	RA: Residential Acreage			
	West	RA: Residential Acreage			
	South	R-1: Single Family Residential (Northville Township)			
Current Site Use	Vacant				
	North	Single Family Residential			
Adjoining Uses	East	Single Family Residential			
	West	Single Family Residential / Vacant			
	South	Park			
Site Size	50.86 acres				
Plan Date	April 16, 201	4			

#### **PROJECT SUMMARY**

The applicant is proposing to construct 41 single-family residential units as part of a RUD (Residential Unit Development) Agreement, which was approved by City Council on February 3, 2014. The site is north of Eight Mile Road and west of Garfield Road, and is zoned RA (Residential Acreage). The Future Land Use map indicates Single Family Residential for the entirety of the property.

The overall density generally shall not exceed the density permitted in the underlying zoning district. The proposed density of 0.8 dwelling units per acre (DUA) is consistent with the RA zoning district. The proposed lots range in size from 21,780 square feet to 44,045 square feet, which is permitted under the RUD ordinance.

The development includes two parks with woodchip trails for the benefit of the residents, including the intent to plant woodland replacement trees throughout the open spaces as a result of the removal of a significant number of regulated woodland trees from the Oberlin Condominium Development. Two gated boulevard entrances are proposed on Eight Mile Road and Garfield Road (directly adjacent from the Tuscany Reserve Entrance). Emergency access is proposed and required as part of the RUD agreement in order to aloe cross access for future development to the west.

#### PLANNING COMMISSION & CITY COUNCIL ACTION

The Ballantyne RUD Plan and Agreement were approved by the City Council on February 3, 2014 with the following motions:

"Motion to approve the Residential Unit Development Plan for the Ballantyne. This motion is based on the following findings, lot size modifications, building setback reductions and conditions: Determinations (Zoning Ordinance Section 2402.8.A):"

- a. The site is zoned for and appropriate for the proposed single-family residential use;
- Council is satisfied that with the proposed pathway and sidewalk network and added open space, the development will not have detrimental effects on adjacent properties and the community;
- c. Council is satisfied with the applicant's commitment and desire to proceed with construction of 41 new homes as demonstrating a need for the proposed use;
- d. Care has been taken to maintain the naturalness of the site and to blend the use within the site and its surroundings through the preservation of 18.17 acres (or 35.7%) of the proposed development area as open space;
- e. Council is satisfied that the applicant has provided clear, explicit, substantial and ascertainable benefits to the City as a result of the RUD;
- f. Factors evaluated (Zoning Ordinance Section 2402.8.B):
  - 1. Subject to the lot size modifications and building setbacks reductions, all applicable provisions of the Zoning Ordinance, including those in Section 2402 and for special land uses, and other ordinances, codes, regulations and laws have been or will be met;
  - 2. Council is satisfied with the adequacy of the areas that have been set aside in the proposed RUD development area for walkways, parks, recreation areas, and other open spaces and areas for use by residents of the development;
  - Council is satisfied that the traffic circulation, sidewalk and crosswalk features and improvements for within the site have been designed to assure the safety and convenience of both vehicular and pedestrian traffic both within the site and in relation to access streets;
  - 4. Based on and subject to the recommendations in the traffic consultant's review letter, Council is satisfied that the proposed use will not cause any detrimental impact in existing thoroughfares in terms of overall volumes, capacity, safety, travel times and thoroughfare level of service;
  - 5. The plan provides adequate means of disposing of sanitary sewage, disposing of stormwater drainage, and supplying the development with water;
  - 6. The RUD will provide for the preservation and creation of approximately 35.7% of the site as open space and result in minimal impacts to provided open space and the most significant natural features;
  - 7. The RUD will be compatible with adjacent and neighboring land uses for the reasons already stated;
  - 8. The desirability of conventional residential development on this site in strict conformity with the otherwise applicable minimum lot sizes and widths being modified by this motion is outweighed by benefits occurring from the preservation and creation of the open space that will result from the RUD;
  - 9. Any detrimental impact from the RUD resulting from an increase in total dwelling units over that which would occur with conventional residential development is outweighed

- by benefits occurring from the preservation and creation of open space that will result from the RUD;
- Council is satisfied that the proposed reductions in lot sizes are the minimum necessary to preserve and create open space and to ensure compatibility with adjacent and neighboring land uses;
- 11. The RUD will not have a detrimental impact on the City's ability to deliver and provide public infrastructure and public services at a reasonable cost;
- 12. Council is satisfied that the applicant has made or will make satisfactory provisions for the financing of the installation of all streets, necessary utilities and other proposed improvements;
- 13. Council is satisfied that the applicant has made or will make satisfactory provisions for future ownership and maintenance of all common areas within the proposed development; and
- 14. Proposed deviations from the area, bulk, yard, and other dimensional requirements of the Zoning Ordinance applicable to the property enhance the development, are in the public interest, are consistent with the surrounding area, and are not injurious to the natural features and resources of the property and surrounding area.
- g. Modification of proposed lot sizes to a minimum of 21,780 square feet and modification of proposed lot widths to a minimum of 120 is hereby approved with this approval based on and limited to the lot configuration shown on the concept plan as last revised, as the requested modification will result in the preservation of open space for those purposes noted in Section 2402.3.8 of the Zoning Ordinance and the RUD will provide a genuine variety of lot sizes;
- h. Applicant extending the proposed pathway along both sides of Emery Boulevard as indicated in the response letter;
- i. Reduction of permitted building setbacks consistent with the proposed reduction in lot size and width;
- j. Same-side driveway spacing waiver for the Eight Mile Road access drive (275' required, 218' provided) being approved at the time of Preliminary Site Plan approval;
- k. The applicant providing a cross section of the area around the Deer Run Subdivision, the vacant property to the north and the subject property in order to identify the need for minor berming and/or rearrangement of the tree replacement plantings to provide screening; and
- I. This approval is subject to all plans and activities related to it being in compliance with all applicable provisions of the Zoning Ordinance, including Articles 3, 24 and 25, and all applicable City Zoning Ordinance approvals, decisions, conditions and permits."

"Motion to approve of the Residential Unit Development Agreement for Ballantyne, with any changes and/or conditions as discussed at the City Council meeting, and any final minor alterations required in the determination of the City Manager and City Attorney to be incorporated by the City Attorney's office prior to the execution of the final agreement."

EXPIRED - The Preliminary Site Plan, Woodland Permit, Wetland Permit and Stormwater Management Plan were approved by the Planning Commission on June 11, 2014 with the following motions:

"In the matter of Ballantyne, JSP13-43, motion to approve the Preliminary Site Plan with Site Condominium based on and subject to the following:

- a) The findings of compliance with Ordinance standards in the staff and consultant review letters and the conditions and the items listed in those letters being addressed on the Final Site Plan;
- b) The applicant provides the pedestrian safety connections to the properties to the East and West per Section 4.05.E of the Subdivision Ordinance and Section 2516 of the Zoning Ordinance;
- c) The applicant provides on the Final Landscaping plans details of the berm running along the North property line behind lots 19 through 24, maximizing the 3:1 slope with a 3 foot crest up to a height of 7 feet.

This motion is made because the plan is otherwise in compliance with the RUD agreement, Article 3, Article 24 and Article 25 of the Zoning Ordinance and all other applicable provisions of the Ordinance."

"In the matter of Ballantyne, JSP13-43, motion to approve the Woodland Permit based on and subject to the findings of compliance with Ordinance standards in the staff and consultant review letters, and the conditions and items listed in those letters being addressed on the Final Site Plan. This motion is made because the plan is otherwise in compliance with the RUD agreement and Chapter 37 of the Code of Ordinances and all other applicable provisions of the Ordinance."

"In the matter Ballantyne, JSP13-43, motion to approve the Wetlands Permit based on and subject to the findings of compliance with Ordinance standards in the staff and consultant review letters, and the conditions and items listed in those letters being addressed on the Final Site Plan. This motion is made because the plan is otherwise in compliance with the RUD agreement and Chapter 12, Article V of the Code of Ordinances and all other applicable provisions of the Ordinance."

"In the matter of Ballantyne, JSP13-43, motion to approve the Stormwater Management Plan based on and subject to the findings of compliance with Ordinance standards in the staff and consultant review letters, and the conditions and items listed in those letters being addressed on the Final Site Plan. This motion is made because the plan is otherwise in compliance with the RUD agreement and Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance."

#### **RECOMMENDATION**

Approval of the Preliminary Site Plan is recommended by staff. The plan mostly conforms to the requirements of the Zoning Ordinance, with any deviations noted below. All reviewers recommend approval of the Preliminary Site Plan. Planning Commission approval of the Preliminary Site Plan, Stormwater Management Plan, Woodland Use Permit, and Wetland Use Permit will be required.

#### **ORDINANCE REQUIREMENTS**

This project was reviewed for compliance with the Zoning Ordinance, with respect to Article 3 (Zoning Districts), Article 4 (Use Standards), Article 5 (Site Standards), and any other areas of the ordinance, as noted. The plans show general compliance with ordinance requirements. Please address the items in **bold** with the next submittal.

- 1. <u>Building Height:</u> Please indicate the maximum building height of the structures or provide a note indicating that the building height shall not exceed 35 feet or 2.5 stories, whichever is less.
- 2. <u>Emergency Access:</u> An emergency access drive on the westerly end of the development shall be required as indicated in the RUD Agreement.
- 3. <u>Pedestrian Circulation:</u> A portion of sidewalk along Eight Mile Road was constructed by the City. Please indicate the existing sidewalk and proposed sidewalk on the plans. Per the RUD Agreement, the developer may have to pay the City for the sidewalk construction costs. Also, please verify if a boardwalk will be necessary near the wetland abutting Garfield Road and revise the plans accordingly if it is needed.
- 4. <u>Natural Resource Preservation, Wetlands:</u> The existing wetlands on the site shall be preserved and enhanced with additional supplementary wetland plantings as shown on the RUD Plan, including the removal of existing invasive species and replacement with native wetland plantings. Please include additional details and clarification of the removal of existing invasive species and replacement with native wetland plantings.
- 5. Residential Entryway Lighting: Please indicate whether any residential entryway lighting is proposed and where it is located on the plans.

- 6. <u>Economic Impact Information</u>: Please provide updated economic impact information for the development (including total cost of the proposed buildings & site improvements, home size, and expected sale price of new homes).
- 7. <u>Planning Chart:</u> Please refer to the attached Planning Chart for additional comments to address in the Revised Preliminary and/or Final Site Plan submittal.

#### **OTHER REVIEWS**

- a. <u>Engineering Review</u>: Engineering is recommending approval of the Preliminary Site Plan with conditions to be addressed as part of the Final Site Plan Submittal.
- b. <u>Landscape Review</u>: Landscape is recommending approval of the Preliminary Site Plan with comments to be addressed in a Final Site Plan submittal.
- c. <u>Traffic Review:</u> Traffic is recommending approval of the Preliminary Site Plan with conditions to be addressed as part of the Final Site Plan submittal.
- d. <u>Wetland Review:</u> Woodland is recommending approval of the Preliminary Site Plan with comments to be addressed in a Final Site Plan submittal.
- e. <u>Fire Review:</u> Fire is recommending approval of the Preliminary Site Plan with conditions to be addressed as part of the Final Site Plan submittal.

#### **NEXT STEP: PLANNING COMMISSION MEETING**

This Site Plan will be scheduled to go before the Planning Commission as a Public Hearing on **February 24**, **2021**. Please provide the following via email by **February 17**, **2021**:

- 1. Site Plan submittal in PDF format (maximum of 10MB). NO CHANGES MADE.
- 2. A response letter addressing ALL the comments from ALL the review letters and <u>a request for waivers/variances as you see fit.</u>
- 3. A color rendering of the Site Plan (optional, to be used for Planning Commission presentation).

#### FINAL SITE PLAN SUBMITTAL

After receiving Planning Commission's approval of the Preliminary Site Plan, please follow the <u>Final Site Plan Checklist</u> and submit for approval:

- 1. **Seven** copies of Final Site Plan sets (<u>24" x 36", folded</u>) addressing ALL comments from Preliminary Site Plan Review.
- 2. Response letter addressing ALL comments from ALL review letters and **refer to sheet numbers** where the change is reflected.
- 3. Final Site Plan Application
- 4. No Revision Façade Affidavit (if no façade changes have been made)
- 5. An itemized engineering cost estimate including sanitary sewer, watermain, storm sewer, paving and grading costs, size 8.5" x 11" (The cost estimate should not include soil erosion or demolition costs.)
- 6. An itemized landscaping cost estimate including greenbelt and greenbelt ornamental trees, perennials, pond plantings, shrubs, edging, mulch, seed mix and seeded lawn, size 8.5" x 11" (The cost estimate should not include woodland trees, replacement trees or mitigation.)
- 7. Recommended, but not required: A Soil Erosion Permit Application

#### **ELECTRONIC STAMPING SET SUBMITTAL AND RESPONSE LETTER**

After receiving Final Site Plan approval, plans addressing the comments in all the staff and consultant review letters should be submitted electronically for informal review and approval prior to printing Stamping Sets. A letter from either the applicant or the applicant's representative addressing comments in this and other review letters and associated charts is to be submitted with the electronic stamping set. This letter should address all comments in ALL letters and ALL charts and refer to sheet numbers where the change is reflected.

If required, drafts for all legal documents with a legal transmittal are to be submitted along with stamping sets.

#### STAMPING SET APPROVAL

Stamping sets will be required for this project. After having received all the review letters from City staff the applicant should make the appropriate changes on the plans and submit 12 size 24" x 36" copies with original signature and original seals on the cover sheet (subsequent pages may use electronic seal with signature), to the Community Development Department for final Stamping Set approval.

#### PRE-CONSTRUCTION MEETING

A Pre-Construction meeting is required for this project. Prior to the start of any work on the site, Pre-Construction (Pre-Con) meetings must be held with the applicant's contractor and the City's consulting engineer. Pre-Con meetings are generally held after Stamping Sets have been issued and prior to the start of any work on the site. There are a variety of requirements, fees and permits that must be issued before a Pre-Con can be scheduled, so it is suggested you contact Sarah Marchioni [248.347.0430 or <a href="mailto:smarchioni@cityofnovi.org">smarchioni@cityofnovi.org</a>] once the Final Site Plan has been approved to begin the Pre-Con checklist. If you have questions regarding the checklist or the Pre-Con itself, please contact Sarah.

#### **CHAPTER 26.5**

Chapter 26.5 of the City of Novi Code of Ordinances generally requires all projects be completed within two years of the issuance of any starting permit. Please contact Sarah Marchioni at 248-347-0430 for additional information on starting permits. The applicant should review and be aware of the requirements of Chapter 26.5 before starting construction.

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5607 or <a href="mailto:ccarroll@cityofnovi.org">ccarroll@cityofnovi.org</a>.

Christian Carroll, Planner



# PLANNING REVIEW CHART: Residential Unit Development (RUD) in RA

**Review Date:** February 10, 2021 **Review Type:** Preliminary Site Plan

**Project Name:** JSP20-38 Ballantyne (2020)

Location: North of Eight Mile, West of Garfield Road; 22-31-400-007

Plan Date: April 16, 2014

**Prepared by:** Christian Carroll, Planner

Contact: E-mail: <a href="mailto:ccarroll@cityofnovi.org">ccarroll@cityofnovi.org</a> Phone: (248) 735-5607

Items in **Bold** need to be addressed by the applicant and/or the Planning Commission before approval of the Preliminary Site Plan. <u>Underlined</u> items need to be addressed on the Final Site Plan. <u>Italicized</u> items should be noted.

Item	Required Code	Proposed	Meets Code	Comments					
Zoning and Use Re	Zoning and Use Requirements								
Master Plan (adopted July 26, 2017)	Single Family, with master planned 0.8 maximum dwelling units per acre.	41 unit Single-Family Residential. 0.8 dwelling units per acre.	Yes						
Zoning (Effective January 8, 2015)	RA: Residential Acreage	RA: Residential Acreage	Yes	RUD Agreement					
Uses Permitted (Sec. 3.1.1)	One-Family Dwellings	One-Family Dwellings	Yes						
Phasing	One Phase per RUD	Phasing is not proposed	Yes						
Height, bulk, densi	ity and area limitations (Sec	c. 3.1.1; Sec. 3.29) - Shall no	ot be low	er than R3 Standards					
Maximum Dwelling Unit Density	0.8 DUA	0.8 DUA	Yes						
Minimum Lot Area	12,000 sf	~ 23,000 sq. ft.	Yes						
Minimum Lot Width	90 ft	120 ft	Yes						
<b>Building Setbacks</b>	(Sec. 3.1.1; Sec. 3.29) - Sha	ll not be lower than R3 Sta	ndards						
Front	30 ft	30 ft	Yes						
Side	10 ft one side 30 ft total two sides	15 ft one side 40 ft total two sides	Yes						
Rear	35 ft	35 ft	Yes						
Maximum % of Lot Area Covered	25% (By All Buildings)	Appears to comply	Yes	To be reviewed with Building Permits					
Minimum Floor Area	1000 SF	Complies	Yes						

Building Height	35 ft. or 2.5 stories			9
	whichever is less	Not shown	No	Indicate building heights
Frontage on a Public Street (Sec. 5.12)	No lot or parcel of land shall be used for any purpose permitted by this Ordinance unless said lot or parcel shall front directly upon a public street, unless otherwise provided for in this Ordinance.	All units front on a proposed private drive within the proposed development, with access to Eight Mile & Garfield Rd	No	RUD allows
Note to District Star			T	
Area Requirements (Sec. 3.6.2.A)	Lot width shall be measured between the two points where the front setback line intersects the side lot lines. Within the residential districts, where a main building is placed behind the front set back line, the distance between the side lot lines shall not be reduced below ninety 90% of the required minimum lot width at any point between the front setback line and such main building.	Complies	Yes	
Additional Setbacks (Sec 3.6.2.B)	NA – only applicable to non-residential uses	NA	NA	
Exterior Side yard abutting Streets (Sec 3.6.2.C)	All exterior side yards abutting a street shall be provided with a setback equal to the front yard setback requirement of the district in which located and all regulations applicable to a front yard shall apply.	Complies	Yes	
Wetland/Water- course Setback (Sec 3.6.2.M)	25 ft from boundary of a wetland and 25 ft from the ordinary high water mark of a watercourse.	Appears to comply	Yes	2.20)

Item	Required Code	Proposed	Meets Code	Comments
Use (RUD Agreement)	The project shall consist of single-family, detached residences.	Complies	Yes	
Lot Conformity (RUD Agreement)	The home sites shall be situated on lots conforming with RA, Residential Acreage, regulations, as made and provided in the RUD provisions within the Zoning Ordinance.	Complies	Yes	
<b>Density</b> (RUD Agreement)	The project shall consist of 41 residential units	Complies	Yes	
Lot Area & Location (RUD Agreement)	The area and location of the lots shall be substantially as shown on the RUD Plan, and in accordance with the approved final site plan	Complies	Yes	
Perimeter Buffer/Transition (RUD Agreement)	Perimeter buffer and transition shall be as approved on the final site plan	Buffer Provided	Yes	
Yard Setbacks (RUD Agreement)	Yard setbacks and lots shall conform to the RA Regulations, as made and provided in the RUD provisions of the Zoning Ordinance, as amended	Complies	Yes	Shall not be lower minimums than R3 Standards
Traffic Circulation (RUD Agreement)	- Boulevard Entrances shall provide access from Eight Mile Road and Garfield Road as shown on the RUD plan and in accordance with the final site plan Eight Mile Road: A continuous right turn lane on the north side of the road and together with modifications to the existing passing lane	Complies	Yes	
	and acceleration/decelerati on lanes on the south side of Eight Mile Road shall be constructed by the Developer The entrances to the development shall be gated	Complies	Yes	

Item	Required Code	Proposed	Meets Code	Comments
	The internal streets shall be designed as local residential streets with 60 ft. ROW	Complies	Yes	
	<ul> <li>- All streets in the development shall be private</li> <li>- No residence shall</li> </ul>	Complies	Yes	
	have direct driveway access from or to Eight Mile Road or Garfield Road - Further consideration	Complies	Yes	
	shall be given to the use of additional traffic-control devices to be determined by the City during final site plan review, and also following construction, drawing upon experiences as they occur in the use of the development  - All traffic/road	Complies, review as necessary	Yes	
	improvements shall be in accordance with the Design & Construction Manual -Construction access	Complies	Yes	See Engineering Review
	shall be directly from Eight Mile Road - An emergency access drive shall be installed	Indicated on Plans	Yes	
	on the westerly end of the development and grant the necessary Emergency Access Easement in a form acceptable to the City	Complies/Shall Comply	Yes	An emergency access drive shall be provided on the westerly end of the development as required in the RUD.
Recreational Areas (RUD Agreement)	Active/Passive recreation areas required and designated on plan. All such areas shall be constructed and maintained by the developer or the association of homeowners created for the project.	Complies	Yes	

Item	Required Code	Proposed	Meets Code	Comments
Open Space (RUD Agreement)	35.7% of the total site area, or approximately 18.17 acres, shall be dedicated to open space.	Indicated on Plans	Yes	
	- An eight foot wide sidewalk shall be constructed adjacent to the Eight Mile Road frontage of the property - An eight foot wide sidewalk shall be constructed adjacent to	Complies  Complies	Yes	Indicate existing sidewalk and proposed sidewalk.
	the Garfield Road frontage of the property - In the event that the City constructs any portion of the required sidewalk in connection with a City project before the developer constructs the sidewalk, the developer shall pay			
Pedestrian Circulation (RUD Agreement)	the City its proportionate share of the cost of constructing the required sidewalk, which such costs shall not exceed those that would be incurred by the developer if construction had been completed prior to the City's project - A system of five foot sidewalks on both sides of all internal roads with	Does not comply?	No	Developer may need to pay the City for sidewalk construction along Eight Mile Road.
	the project and a wood chip path system (as shown on the RUD plan) shall be constructed by the developer, and thereafter by the developer or the association	Complies	Yes	
	- Boardwalks required if any pathway passes through a wetland or other natural area (built to City Standard)	Appears to comply	Yes?	Verify if a boardwalk is necessary near the Wetland abutting Garfield Road.
Natural Resource Preservation				

Item	Required Code	Proposed	Meets Code	Comments
(RUD Agreement)				
Wetlands	- The existing wetlands on the site shall be preserved and enhanced with additional supplementary wetland plantings as shown on the RUD Plan, including the removal of existing invasive species and replacement with native wetland plantings.	Shall comply	Yes	Include details of replacements and removals. Refer to Environmental Consultant Review.
	- All wetlands and buffer areas shall be placed into a conservation easement	Shall comply	Yes	See Environmental Consultant Review
Woodlands	- Approximately 14.26 acres of open space not utilized for stormwater retention or other purposes shall be planted in areas throughout the site, with an estimated 908 woodland replacement trees (resulting in 817 woodland credits) - Those areas of planted woodland trees shall be placed into a conservation easement	Complies Shall comply	Yes	See Landscape/Woodland Review  See Landscape/Woodland Review
Miscellaneous (RUD Agreement)	-Footprints for buildings, including decks, together with an additional 25' buffer area, shall be entirely separated from woodland and wetland preservation areas - Final Site Plan Review: the City and Developer shall mutually agree upon a means by which the preservation areas shall be physically separated from residences and yard	Complies  Shall comply, include language in Master Deed	Yes	

Item	Required Code	Proposed	Meets Code	Comments
	areas in a manner that provides adequate notice to the occupants and guests of such residences, and appropriate language shall be included in the Master Deed.			
On and Off-Site Improvements (RUD Agreement)	The Developer shall be solely responsible for all costs and expenses of and associated with such on and off-site improvements.	Complies	Yes	
Stormwater Management (RUD Agreement)	Stormwater shall be released from Ballantyne in a manner to be approved by the City as part of final site plan review	Complies	Yes?	See Engineering Review
Sanitary Sewer (RUD Agreement)	All off-site and on-site facilities shall be provided in order to connect and appropriately serve each lot with public sanitary sewage disposal service, approved by the City and all other governmental entities having jurisdiction	Complies	Yes?	See Engineering Review
Water Supply (RUD Agreement)	At the developer's expense, all required off-site and on-site facilities shall be provided in accordance with final site plan approval in order to connect and appropriately serve each lot with public water service, approved by the City and all other governmental entities having jurisdiction	Complies	Yes?	See Engineering Review
Landscaping and Signage (RUD Agreement)	Landscaping & signage shall be provided as set forth in the final site plan	Complies	Yes?	See Landscape Review

Planning Review Summary Chart

Phasing (RUD Agreement) General Provisions (RUD	The project shall be developed in one single phase The ZBA shall have no	1 phase			
Provisions (RUD	The ZBA shall have no		Yes		
Agreement)	jurisdiction over the property	NA	NA		
Subdivision Ordinance (Appendix C, City Code of Ordinances)					
Blocks (Subdivision Ordinance: Sec. 4.01)	<ul> <li>Maximum length for all blocks shall not exceed 1,400 ft.</li> <li>Widths of blocks shall be determined by the conditions of the layout.</li> </ul>	Complies Complies	Yes		
Lot Depth Abutting a Secondary Thoroughfare (Subdivision Ordinance: Sec. 4.02.A5)	Lots abutting a major or secondary thoroughfare must have a depth of at least 140'	NA	NA		
Depth to Width Ratio (Subdivision Ordinance: Sec. 4.02.A6)	Lots shall not exceed a 3:1 depth to width ratio	Complies	Yes		
Arrangement (Subdivision Ordinance: Sec. 4.02.B)	<ul> <li>Every lot shall front or abut on a street.</li> <li>Side lot lines shall be at right angles or radial to the street lines, or as nearly as possible thereto.</li> </ul>	Complies	Yes		
Streets (Subdivision Ordinance: Sec. 4.04)	Extend streets to boundary to provide access intervals not to exceed 1,300 ft. unless one of the following exists: - practical difficulties because of topographic conditions or natural features - Would create undesirable traffic patterns	Complies	Yes		

Item	Required Code	Proposed	Meets Code	Comments
A. Floodplain	Compliance with applicable state laws and City Code Areas in a floodplain cannot be platted	NA	NA	
B. Trees and Landscaping	Compliance with Chapter 37 Woodland protection and Article 5 of Zoning Ordinance	Complies	Yes?	See Environmental Consultant Review
C. Natural Features	To be preserved Lots cannot extend into a wetland or watercourse	Complies	Yes?	See Environmental Consultant Review
D. Man-made Features	To be built according to City standards	Complies	Yes	
E. Open Space Areas	Any Open Space Area shall meet the following:  Require performance guarantee  Shall be brought to a suitable grade  Compliance with zoning ordinance  Except for wooded areas, all ground area should be top dressed with a minimum of 25% of red fescue and a maximum of 20% perennial rye.	Complies	Yes?	See Environmental Consultant Review
F. Non-Access Greenbelt Easements	For lots abutting major thoroughfares: - Shall be 15 feet wide - Shall be 20 feet wide where power lines exist	NA	NA	
G. Zoning Boundary Screening	A non-residential development abutting a residential development would need screening	NA	NA	
Other Requirements				
Residential Entryway Lighting (Sec 5.8)	A residential development entrance light must be provided at the entrances to the development off of both entrances	Not shown on plans	No	Indicate whether any entrance lighting is proposed.

Item	Required Code	Proposed	Meets Code	Comments
Corner Clearance (Sec. 5.9)	No fence, wall, plant material, sign or other obstruction to vision above a height of 2 feet from the established street grades shall be permitted within the clear view zone which is the triangular area formed at the intersection of any existing public street right-of-way lines by a straight line drawn between said right-of-way lines at a distance along each line of twenty-five (25) feet from their point of intersection.	Complies	Yes	
Development and Street Names	Development and street names must be approved by the Street Naming Committee before Preliminary Site Plan approval	Name has been approved by Project and Street Naming Committee	Yes	Contact Madeleine Daniels at 248-347-0475 to schedule a meeting with the Committee
Development/ Business Sign	Signage if proposed requires a permit.	Show any proposed signage with the Final Site Plan submittal	NA	For sign permit information contact Maureen Underhill 248-735-5602.
Economic Impact Information	<ul> <li>Total cost of the proposed building &amp; site improvements</li> <li>Home size &amp; expected sales price of new homes</li> </ul>	Not provided	No	Provide updated information for Planning Commission consideration.
Legal Requiremen				
Master Deed	Master Deed shall be reviewed and approved by the Community Development Department and City Attorney prior to recording.	Not provided	NA	Provide draft(s) with Electronic Stamping Set Submittal
Conservation Easements	The Applicant shall provide conservation easements for any areas of remaining wetlands and woodland.	Not provided	NA	Provide draft(s) with Electronic Stamping Set Submittal

### JSP 20-38 BALLANTYNE: PRELIMINARY SITE PLAN REVIEW

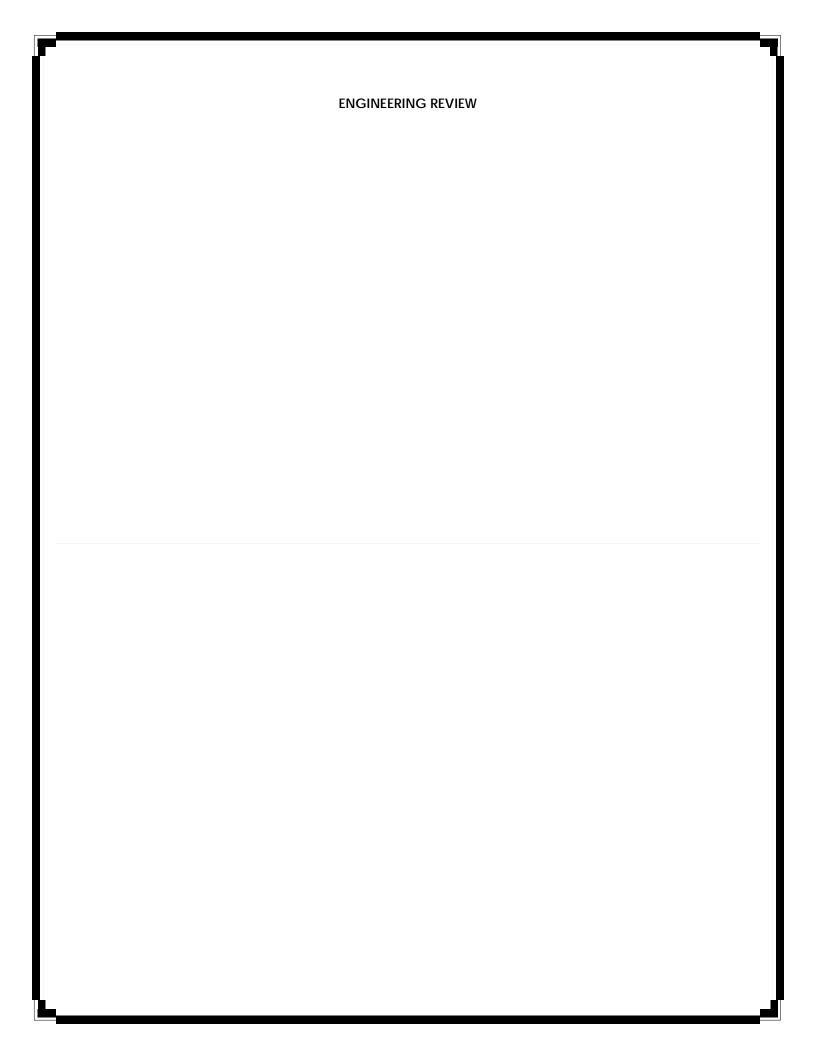
Planning Review Summary Chart

February 10, 2021 Page 11 of 11

Item Required Code Proposed Code Comments	li	Item	Required Code	Proposed	Meets Code	Comments
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### **NOTES:**

- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. Please refer to those sections in Article 3, 4 and 5 of the zoning ordinance for further details.
- 3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.





### PLAN REVIEW CENTER REPORT

January 13, 2021

### **Engineering Review**

Ballantyne JSP20-0038 (formerly JSP13-0043)

### **Applicant**

Todd Rankine

### Review Type

Preliminary Site Plan

### **Property Characteristics**

Site Location: Northwest corner of Eight Mile Road and Garfield Road

Site Size: 50.85 acresPlan Date: 04/16/2014

Previous Stamping

Set Date: 02/27/2015 (site plan approval expired December 2020)

Design Engineer: Seiber, Keast Engineering, LLC

### Project Summary

- Construction of a 41-unit single family private residential site condominium. Site access would be provided via a primary entrance on Eight Mile Road and a secondary entrance on Garfield Road.
- Water service would be provided by an extension from the existing 12-inch water main on Garfield Road.
- Sanitary sewer service would be provided by an extension from the existing SAD 170 pump station at the northeast corner of Eight Mile Road and Garfield Road, and by furnishing said pump station as the completion of SAD 170.
- Storm water would be detained by two on-site detention basins, with final discharge to the existing Eight Mile Road storm system.

### Recommendation

Approval of the Preliminary Site Plan is recommended, with items to be addressed at Final Site Plan submittal.

### Comments:

The Preliminary Site Plan meets the general requirements of Chapter 11 of the Code of Ordinances, the Storm Water Management Ordinance, and the Engineering Design Manual with the following exceptions, which can be addressed at Final Site Plan submittal:

### **General**

- 1. Replace the benchmark labeled as a City benchmark with one currently listed on the City's website at this location:

  <a href="https://novi.maps.arcgis.com/apps/webappviewer/index.html?id=5ce841f86">https://novi.maps.arcgis.com/apps/webappviewer/index.html?id=5ce841f86</a>
  197461c9f146e1330330bcf
- 2. Only at the time of the printed Stamping Set submittal, provide the City's standard detail sheets for water main (5 sheets), sanitary sewer (3 sheets), storm sewer (2 sheets), and paving (2 sheets). The details included with the previous stamping set have been revised. The most updated details can be found on the City's website at this location:
  <a href="http://cityofnovi.org/Government/City-Services/Public-Services/Engineering-Division/Engineering-Standards-and-Construction-Details.aspx">http://cityofnovi.org/Government/City-Services/Public-Services/Engineering-Division/Engineering-Standards-and-Construction-Details.aspx</a>
- 3. As noted on the plans, a right-of-way permit will be required from the City of Novi and Oakland County. Note the City permit had not yet been granted at the time of the previous stamping set, and the issued RCOC permit will need to be revised and renewed.
- 4. As shown on the previous stamping set, show and label the master planned 43-foot half width right-of-way for Garfield Road.
- 5. As shown on the previous stamping set, provide a traffic control plan for the proposed road work activity.
- 6. As shown on the previous stamping set, provide a note that compacted sand backfill (MDOT sand Class II) shall be provided for all utilities within the influence of paved areas, and illustrate and label on the profiles.
- 7. As shown on the previous stamping set, provide a construction materials table on the Utility Plan listing the quantity and material type for each utility (water, sanitary, and storm) being proposed.
- 8. As shown on the previous stamping set, provide a utility crossing table indicating that at least 18-inch vertical clearance will be provided, or that additional bedding measures will be utilized at points of conflict where adequate clearance cannot be maintained.
- 9. Where the minimum 18-inch clearance at utility crossings cannot be achieved, provide a prominent note stating the substandard clearance and that proper bedding/encasement will be determined by the inspecting engineer.
- 10. As shown on the previous stamping set, provide a note stating if dewatering is anticipated or encountered during construction, then a dewatering plan must be submitted to the Engineering Division for review.

11. Provide a backflow prevention device on all irrigation systems. The backflow prevention device shall be an RPZ, or another approved device based on site conditions such as irrigation head heights (pop-ups), grade changes, berms etc. Installation of the backflow preventer shall be in such as manner as to not require blowing out the system through the backflow preventer. Drain ports and blow out ports shall be included. Please contact Kevin Roby in the Water and Sewer Division at 248-735-5640 with any questions.

### Water Main

12. Provide all profiles, pipe labels, and other information as designed for the previous stamping set and as submitted for the issued EGLE permit.

### Sanitary Sewer

- 13. Provide all profiles, pipe labels, and other information as designed for the previous stamping set and as submitted for the issued EGLE permit, except:
  - a. Sanitary sewer easements shall be a minimum of 20 feet wide. Since the streets are proposed as private, there is no right-of-way to make up the difference for the 15-foot-wide easements proposed.
  - b. Unless substantial changes to the pipe layout/profiles are proposed for (a.) above, no change to the permit is anticipated.
- 14. Per section XV. "Sanitary Sewer" of the site's 2014 RUD agreement, the Developer may be required to complete the SAD 170 pump station improvements and, in turn be reimbursed from the SAD.

### **Storm Sewer**

- 15. Provide all profiles, pipe labels, and other information as designed for the previous stamping set.
- 16. Ensure the 10-year HGL remains at least 1 foot below the rim of each structure, or else provide justification. Structures #21, 22, 30, 31, 32, 33, and 34 on the previous stamping set did not meet this requirement.

### Storm Water Management Plan

- 17. The Storm Water Management Plan (SWMP) for this development shall be designed in accordance with the Storm Water Ordinance and Chapter 5 of the Engineering Design Manual.
- 18. As proposed in the Preliminary Site Plan, the detention basins providing three feet of storage below the permanent/low water level is sufficient for providing sedimentation. Sedimentation forebays *in addition to* the basin storage are allowable, but not required.
- 19. As shown on the previous stamping set, an adequate maintenance access route to the basin outlet structure shall be provided (15 feet wide, maximum slope of 1V:5H, and able to withstand the passage of heavy equipment). Verify the access route does not conflict with proposed landscaping.
- 20. As shown on the previous stamping set, provide a 5-foot-wide stone bridge/access route allowing direct access to each standpipe from the bank of each basin during high-water conditions (i.e. stone 6-inches above high

- water elevation). Show and note in both plan view and on the Detention Basin Sediment Filter Detail on sheet 4.
- 21. As part of the Storm Drainage Facility Maintenance Easement Agreement, provide an access easement for maintenance over the storm water detention system. Also, include an access easement to the detention area from the public road right-of-way.
- 22. As shown on the previous stamping set, provide release rate calculations for the three design storm events (first flush, bank full, 100-year). Be aware the bankfull volume detention time must be between 24 and 40 hours.
- 23. Due to maintenance concerns, each restricting orifice in the control structure shall be a minimum of 1 square-inch in size, even though this may result in a flow rate above that calculated.
- 24. The flow restriction shall be accomplished by methods other than a pipe restriction in an oversized pipe due to the potential for clogging and restrictor removal. A perforated standpipe, weir design, baffle wall, etc. should be utilized instead.
- 25. Provide soil borings in the vicinity of each storm water basin to determine soil conditions and to establish the high water elevation of the groundwater table. Note the bottom of the detention facility must be a minimum of three (3) feet above the groundwater elevation.
- 26. Provide supporting calculations for the overall runoff coefficient determination. A runoff coefficient of 0.35 shall be used for all turf grass lawns (mowed lawns) and 0.95 shall be used for all impervious surfaces.
- 27. A 4-foot-wide safety shelf is required one foot below the permanent water surface elevation within the basin.
- 28. As shown on the previous stamping set, a 25-foot vegetated buffer shall be provided around the perimeter of each storm water basin. This buffer cannot encroach onto adjacent lots or property.

### Paving & Grading

- 29. Provide a construction materials table on the Paving Plan listing the quantity and material type for each pavement cross-section being proposed.
- 30. Revise plans to reflect the now-existing, eight-foot-wide Eight Mile Road frontage sidewalk. Per section IX. "Pedestrian Circulation" of the site's 2014 RUD agreement, the Developer may be required to pay the City its proportionate share of the cost of constructing the required sidewalk.
- 31. As shown on the previous stamping set, provide a minimum of 6 spot elevations where the pathway crosses each driveway (one at each corner and two in the center of the driveway on each side of the pathway). Spot elevations shall be provided to demonstrate a level landing adjacent to each side of the pathway crossing.
- 32. Revise the pathway cross-section to indicate a maximum cross-slope of 2%.
- 33. As shown on the previous stamping set, provide a pathway connection to the west along the emergency access drive.

- 34. As shown on the previous stamping set, provide an emergency access gate at the end of the proposed emergency access drive. The City's break-away gate detail (Figure VIII-K) can be found in Section 11-194 of the Code of Ordinances.
- 35. Provide a note on the plan stating that the emergency access gate is to be installed and closed prior to the issuance of the first building permit in the subdivision.
- 36. Provide the latest version of the MDOT standard detail for detectable surfaces.
- 37. Specify the product proposed and provide a detail for the detectable warning surface for barrier free ramps. The product shall be the concrete-embedded detectable warning plates, or equal, and shall be approved by the Engineering Division. Stamped concrete will not be acceptable.
- 38. Provide existing and proposed contours on the Grading Plan at the time of the Final Site Plan submittal.
- 39. Provide at least 3-foot of buffer distance between the sidewalk and any fixed objects, including hydrants and irrigation backflow devices. Include a note on the plan where the 3-foot separation cannot be provided.
- 40. Show proposed grades for all adjusted sanitary, water, and storm structures.
- 41. The sidewalks continuing through the drive approaches within the right-of-way shall be striped through the approaches. As shown on the previous stamping set, provide additional spot grades as necessary to verify the maximum 2-percent cross-slope is being maintained along the walk.
- 42. Revise the on-site road cross-section to 1.5 inches of MDOT 5E1 on 2.5 inches of MDOT 3C on 8 inches of 21AA [limestone only if within 100 feet of a watercourse] aggregate base.
- 43. The City standard straight-faced curb (MDOT F-4 curb detail) shall be provided.
- 44. Provide top of curb/walk and pavement/gutter grades to indicate height of curb adjacent to drive areas.
- 45. Add the maximum 2-percent cross-slope to the sidewalk detail.
- 46. Soil borings along the proposed road will be required at 500-foot intervals per Section 11-195(d) of the Design and Construction Standards.
- 47. Per Section 26.5-35(c), a statement is required on any plan containing a private street with the following language: "City of Novi has no responsibility to improve or maintain the private streets contained within or private streets providing access to the property described in this plan".

### Flood Plain

48. The 100-year flood plain does not appear to traverse the site.

### Soil Erosion and Sediment Control

49. A SESC permit is required. A full review has not been completed at this time. The review checklist detailing all SESC requirements is attached to this letter. Please address the comments below and submit a SESC permit application under separate cover. The application can be found on the City's website at <a href="http://cityofnovi.org/Reference/Forms-and-Permits.aspx">http://cityofnovi.org/Reference/Forms-and-Permits.aspx</a>.

### The following must be submitted with the Final Site Plan:

- 50. A letter from either the applicant or the applicant's engineer must be submitted with the Final Site Plan highlighting the changes made to the plans addressing each of the comments listed above <u>and indicating the revised sheets involved</u>. Additionally, a statement must be provided stating that all changes to the plan have been discussed in the applicant's response letter.
- 51. An itemized construction cost estimate must be submitted to the Community Development Department for the determination of plan review and construction inspection fees. This estimate should only include the civil site work and not any costs associated with construction of the building or any demolition work. *The estimate must be itemized* for each utility (water, sanitary, storm sewer), on-site paving (square yardage), right-of-way paving (including proposed right-of-way), grading, and the storm water basin (basin construction, control structure, pre-treatment structure and restoration).

### The following must be submitted with the Stamping Set:

(Please note that all documents must be submitted together as a package with the Stamping Set submittal with a legal review transmittal form that can be found on the City's website. Partial submittals will <u>not</u> be accepted.)

- 52. A draft copy of the Storm Drainage Facility Maintenance Easement Agreement (SDFMEA), as outlined in the Storm Water Management Ordinance, must be submitted to the Community Development Department. Once the agreement is approved by the City's Legal Counsel, this agreement will then be sent to City Council for approval/acceptance. The SDFMEA will then be recorded at the office of the Oakland County Register of Deeds. This document is available on our website.
- 53. A draft copy of the 20-foot wide easement for the water main to be constructed onsite must be submitted to the Community Development Department. This document is available on our website.
- 54. A draft copy of the 20-foot wide easement for the sanitary sewer to be constructed onsite must be submitted to the Community Development Department. This document is available on our website.
- 55. A draft copy of the warranty deed for the additional proposed 43-foot wide right-of-way along Garfield Road must be submitted for review and acceptance by the City.

### The following must be addressed prior to construction:

- 56. A pre-construction meeting shall be required prior to any site work being started. Please contact Sarah Marchioni in the Community Development Department to setup a meeting (248-347-0430). Be advised that scheduling the pre-construction meeting can take 2-4 weeks.
- 57. A City of Novi Grading Permit will be required prior to any grading on the site. This permit will be issued at the pre-construction meeting (no application required). No fee is required for this permit.
- 58. Material certifications must be submitted to Spalding DeDecker for review prior to the construction of any onsite utilities. Contact Ted Meadows at 248-844-5400 for more information.
- 59. Construction inspection fees in an amount to be determined must be paid to the Community Development Department.
- 60. Legal escrow fees in an amount to be determined must be deposited with the Community Development Department. All unused escrow will be returned to the payee at the end of the project. This amount includes engineering legal fees only. There may be additional legal fees for planning legal documents.
- 61. A storm water performance guarantee in an amount to be determined (equal to 120% of the cost required to complete the storm water management facilities) as specified in the Storm Water Management Ordinance must be posted at the Community Development Department.
- 62. Water and Sanitary Sewer Fees must be paid prior to the pre-construction meeting. Contact the Water & Sewer Division at 248-347-0498 to determine the amount of these fees.
- 63. A street sign financial guarantee in an amount to be determined (\$400 per traffic control sign proposed) must be posted at the Community Development Department. Signs must be installed in accordance with MMUTCD standards.
- 64. A Soil Erosion Control Permit must be obtained from the City of Novi. Contact Sarah Marchioni in the Community Development Department, Building Division (248-347-0430) for forms and information. The financial guarantee and inspection fees will be determined during the SESC review.
- 65. A permit for all proposed work activities within the road right-of-way must be obtained from the City of Novi. This application is available from the City Engineering Division or on the City website and can be filed once the Final Site Plan has been submitted. Please contact the Engineering Division at 248-347-0454 for further information. Please submit the cover sheet, standard details, and plan sheets applicable to the permit only.
- 66. A permit for work within the Eight Mile Road right-of-way must be obtained from the Road Commission for Oakland County (RCOC). Please contact the

RCOC (248-858-4835) directly with any questions. The applicant must forward a copy of this permit to the City. Provide a note on the plans indicating all work within the road right-of-way will be constructed in accordance with the RCOC standards. Be advised that review by the RCOC may take four weeks or longer.

- 67. A permit for water main construction has been obtained from EGLE (#144300 / W184014).
- 68. A permit for sanitary sewer construction has been obtained from EGLE (1008259 / P41001316).
- 69. An NPDES permit must be obtained from EGLE since the site is over 5 acres in size. EGLE may require an approved SESC plan to be submitted with the Notice of Coverage.
- 70. An inspection permit for the sanitary sewer tap must be obtained from the Oakland County Water Resources Commissioner (OCWRC).
- 71. An incomplete site work performance guarantee in an amount to be determined (equal to 1.2 times the amount required to complete the site improvements, excluding the storm water facilities), as specified in the Performance Guarantee Ordinance, must be posted at the Community Development Department. This guarantee will be reduced prior to the Temporary Certificate of Occupancy (TCO), at which time it will be based on the percentage of construction completed.

### The following must be addressed prior to issuance of building permits:

- 72. All easements and agreements referenced above must be executed, notarized, and approved by the City Attorney and Engineering Division.
- 73. A Bill of Sale for the utilities conveying the improvements to the City of Novi must be submitted to the Community Development Department. This document is available on our website.
- 74. The City's consultant Engineer Spalding DeDecker will prepare the record drawings for this development. The record drawings will be prepared in accordance with Article XII, Design and Construction Standards, Chapter 11 of the Novi Code of Ordinances.
- 75. Submit to the Community Development Department, Waivers of Lien from any parties involved with the installation of each utility as well as a Sworn Statement listing those parties and stating that all labor and material expenses incurred in connection with the subject construction improvements have been paid.
- 76. Submit an up-to-date Title Policy (dated within 90 days of City Council consideration of acceptance) for the purpose of verifying that the parties signing the Easement and Bill of Sale documents have the legal authority to do so. Please be sure that all parties of interest shown on the title policy

(including mortgage holders) either sign the easement documents themselves or provide a Subordination Agreement. Please be aware that the title policy may indicate that additional documentation is necessary to complete the acceptance process.

77. Provide a warranty deed for the additional proposed road right-of-way along Garfield Road for acceptance by the City.

**Prior to preparing stamping sets**, the Applicant is advised to provide any revised sheets directly to the Engineering Division for an informal review and approval.

To the extent this review letter addresses items and requirements that require the approval of or a permit from an agency or entity other than the City, this review shall not be considered an indication or statement that such approvals or permits will be issued.

Please contact Victor Boron at (248) 735-5695 with any questions.

Victor Boron

Project Engineer

cc:

Christian Carroll, Community Development

Ben Croy, P.E., Engineering Kate Richardson, Engineering



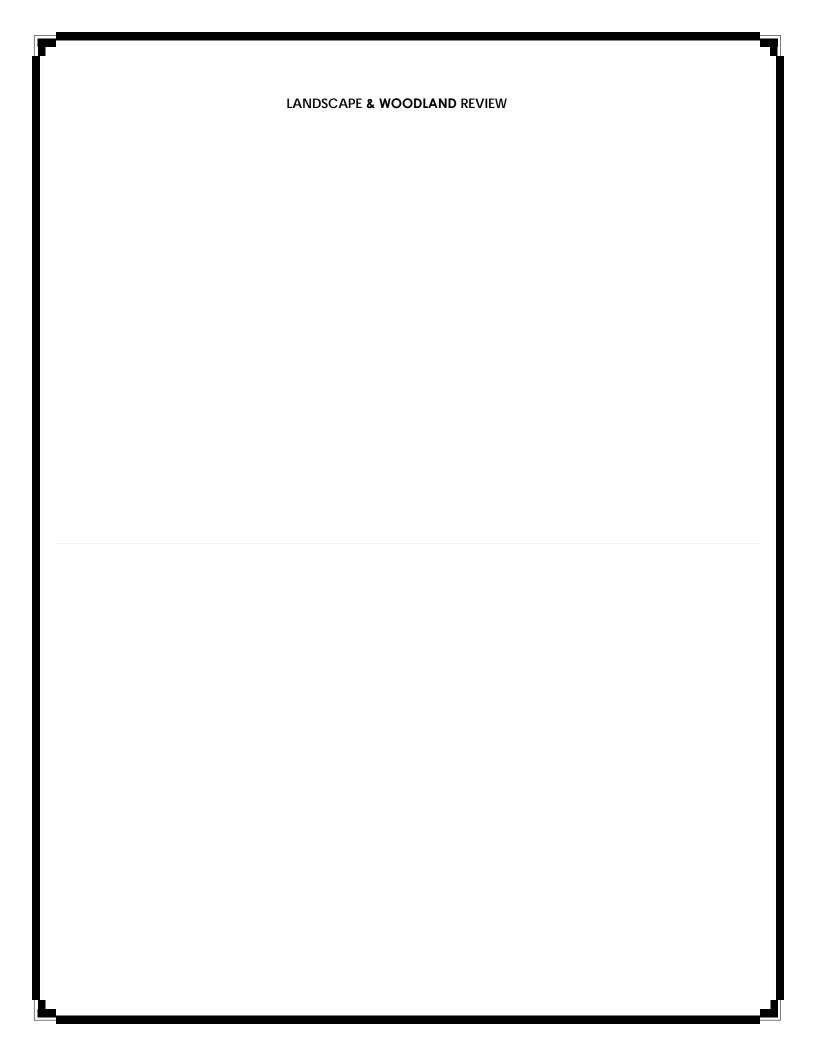
# CITY OF NOVI ENGINEERING DIVISION SOIL EROSION AND SEDIMENTATION CONTROL PLAN CHECKLIST

PROJ	ECT:		SESC Application #:	SE -
Conta	ct Name:		DATE COMPLETED:	
Phone	e Number:		DATE OF PLAN:	
Fax N	lumber:	STATUS:		
Develor review below, at which submit	al Requirements – Following the initial Soil Erosion and opment Department, all SESC plan revisions shall be and/or permit approval. One (1) copy of revised soil ero shall be submitted for each subsequent review until the ch point five (5) copies will be required for permit approvated to the Treasurer's Office prior to permit issuance.	submitted diresion plans, in plan has bee	rectly to the Engineering D ncluding response letter addr on given approval by the Eng nall be signed and sealed, a	epartment for further essing the comment ineering Departmen
ITEM NO.	ITEM	Provided on Plans	COMMENTS	
1.	Plan shall be at scale of not more than 1" = 200', include legal description, location, proximity to lakes, streams or wetlands, slopes, etc.			
2.	Plan shall include a soil survey or a written description of soil types of the exposed land area.			
3.	Plan shall show the limits of earth disruption.			
4.	Plan shall show tree protection fencing and location of trees to be protected.			
5.	Plan shall show all existing and proposed on-site drainage and dewatering facilities (i.e. structure details, rim elev., etc.)			
6.	Detailed sequence of construction shall be provided on plans structured similar to the following, supplemented with site specific items:  1) Install tracking mat, 2) Install temp. SESC measures, 3) Construct storm water basins and install treatment structures, if applicable, 4) Install storm sewer, with inlet protection to follow immediately, 5) Remove all temp. SESC measures once site is stabilized.			
7.	Plan must address maintenance of soil erosion and sedimentation control measures (temporary and permanent)			
8.	Provide a note stating if dewatering is anticipated or encountered during construction a dewatering plan must be submitted to the Engineering Division for review.			
9.	A grading plan shall be provided, or grade information shown on plan.			

10.	Note that it is the developer's responsibility to grade and stabilize disturbances due to the installation of public utilities.	
11.	The CSWO shall be listed on permit application.	
12.	Plan sealed by registered civil engineer with original signature.	
13.	An itemized cost estimate (Silt Fence, Inlet Filters, Topsoil/Seed/Mulch, Const. Access, etc.) shall be provided.	The SESC financial guarantee will be \$ . The SESC inspection fees will be \$ .
14.	Potential stockpile areas shall be shown on the plan, with note stating a ring of silt fence will be installed surrounding any stockpiled material.	
15.	Sediment basin: Provide filter on standpipe outlet structure until site is stabilized, then removed. Noted on plan and standpipe detail(s).	
16.	Provide a note on the plan stating the storm water basin will be stabilized prior to directing flow to the basin.	
17.	Pretreatment Structures: Noted to inspect weekly for sediment accumulation until site is stabilized, and will clean as required.	
18.	Attach the Oakland County standard detail sheet.	
19.	Construction mud tracking entrance: 75'x20', 6" of 1" to 3" stone, on geotextile fabric.	
20.	Silt fence: 6" anchor trench, stakes 6' on center. Prominent line type on plan, with legend.	
21.	Provide Silt Sack with overflow capability as the inlet protection, and provide detail on plans.	
22.	Catch basin inlet filters shall be provided on existing roadways along construction route for reasonable distance from site.	
23.	Street sweeping and dust control shall be noted on plan as responsibility of contractor.	
24.	Vegetation shall be established within 5 days of final grade, or whenever disturbed areas will remain unchanged for 30 days or greater. 3-4" of topsoil will be used where vegetation is required.	
25.	Vegetated buffer strips (25' wide wherever possible) shall be created or retained along the edges of all water bodies, water courses or wetlands.	
26.	Diversion berms or terracing shall be implemented where necessary.	
27.	All drainage ditches shall be stabilized with erosion control blanket and shall utilize check dams as necessary. Drainage ditches steeper than 3% shall be sodded.	

28.	Slopes steeper than 1V:6H (16%) shall be stabilized with erosion control blanket. Add this note as a general note, and also in a prominent location near any berm, etc. where a significant slope is proposed.	
29.	All culvert end sections must contain grouted riprap in accordance with ordinance specifications.	
ADDIT	IONAL COMMENTS:	
pr	ease note that installation of silt fencing or tree prote-construction meeting. When natural features existion to installation of the fencing.	•
2.		

Reviewed By:





### PLAN REVIEW CENTER REPORT

# February 12, 2021 Ballantyne

### Preliminary Site Plan - Landscaping & Woodlands

Review Type	Job#
Preliminary Landscape Review	JSP20-0038

### **Property Characteristics**

Site Location:
 NW corner of 8 Mile Road and Garfield

Site Acreage: 50.85 ac.Site Zoning: R-A

Adjacent Zoning: North, East, South, West: R-A

• Plan Date: 4/24/2014

### **Ordinance Considerations**

This project was reviewed for conformance with Chapter 37: Woodland Protection, Zoning Article 5.5 Landscape Standards, the Landscape Design Manual and any other applicable provisions of the Zoning Ordinance. Items in **bold** below must be addressed and incorporated as part of the Final Site Plan submittal. These are summaries and are not intended to substitute for any Ordinance. Please follow guidelines of the Zoning Ordinance and Landscape Design Guidelines.

### Recommendation

This project is **recommended for approval for Preliminary Site Plan if the plan can be revised to remove the one unsupported waiver noted below.** The revisions noted in this letter and the landscape chart can be addressed on Final Site Plans. Please follow the revised ordinance and landscape design manual in revising the plans.

### LANDSCAPE WAIVERS REQUIRED FOR PROPOSED PLAN:

- A landscape waiver is required for the deficiency in greenbelt width between 8 Mile Road and the south detention pond. It is supported by staff as the layout matches that in the approved RUD.
- A landscape waiver is required for any deficiency in interior street trees provided. It is not supported by staff but can be eliminated with conformance to the current ordinance requirements.

### RECENTLY REVISED ORDINANCE AND LANDSCAPE DESIGN MANUAL CAN BE FOUND AT:

- Landscape Ordinance: <a href="https://www.cityofnovi.org/Reference/Code-of-Ordinances-and-City-Charter/Ordinance-18-293.aspx">https://www.cityofnovi.org/Reference/Code-of-Ordinances-and-City-Charter/Ordinance-18-293.aspx</a>
- Landscape Design Manual: <a href="https://www.cityofnovi.org/Reference/Code-of-Ordinances-and-City-Charter/LandscapeDesigManual.aspx">https://www.cityofnovi.org/Reference/Code-of-Ordinances-and-City-Charter/LandscapeDesigManual.aspx</a>

Please revise the plan calculations and plantings per the current ordinance and landscape design manual.

### **Ordinance Considerations**

Existing topography (LDM 10)

Please provide an up-to-date topographical survey of the site without any proposed improvements.

## Existing and proposed overhead and underground utilities, including hydrants. (LDM 2.e.(4)) Provided

Existing Trees (Sec 37 Woodland Protection, Preliminary Site Plan checklist #17 and LDM 2.3 (2)) & Wetlands (Sec 12)

Please provide an up-to-date tree survey and chart, and wetland delineation.

### Adjacent to Residential - Buffer (Zoning Sec. 5.5.3.B.ii and iii)

The project is not adjacent to any non-residential property so no screening buffer is required.

### Adjacent to Public Rights-of-Way - Berm/Wall, Buffer and Street Trees (Zoning Sec. 5.5.3.B.ii, iii)

- 1. Please revise the calculations per the revised ordinance.
- 2. Please provide the required 4-foot tall undulating berm along both frontages and show the actual contours for it.
- 3. Please reconfigure the southern pond to widen the space between the 8 Mile right-of-way and the south detention pond access drive to 34 feet, or as close to that as possible. Additional greenbelt plantings in that area would provide additional privacy and audible buffering from 8 Mile Road for the development. It's not required as the layout matches that approved in the RUD, but is requested and suggested.
- 4. Please provide details for the entry walls and decorative fencing along the frontages.

### Interior Street Trees for Residential Subdivisions (Zoning Sec 5.5.3.F and LDM 2)

- 1. Per the new ordinance, 239 deciduous canopy trees are required but only 219 are provided.
- 2. Please revise the calculations per the current ordinance
- 3. Please provide the required trees.

### Woodland Replacement Trees (Section 37)

- 1. Currently 1320 trees, including 444 evergreen trees, are shown as woodland replacement trees on the plan, for a total of 1173 credits.
- 2. The applicant is permitted to reduce the number of replacement tree credits shown to just the 816 replacement credits required by the RUD.
- 3. Per the current ordinance, a maximum of 10% of the credits planted, or 82 trees, can be evergreens.
- 4. Please revise the plan to meet the above notes.

### Plant List (LDM 4, 11)

- 1. Provided
- 2. 9 of 34 species used (26%) are native to Michigan. Please revise the species composition such that at least 50% (preferably more) of the non-woodland replacement species used are native to Michigan.
- 3. Please remove Pyrus calleryana and Ligustrum x 'Vicary' from the plant list as they are prohibited species.
- 4. Do not use Armstrong maple as a deciduous canopy tree as its mature canopy width is less than 20 feet.
- 5. The plan is generally in conformance with the Landscape Tree Diversity Standards (LDM 4), but Acer rubrums total 63 trees (11.4% of the total number of trees) and the limit for a species is 10%. Please reduce the number of Acer rubrums used in the plan.
- 6. Please do not use *Liquidambar styraciflua* or *Tsuga canadensis* as woodland replacement trees as they are no longer on the Woodland Replacement Chart.
- 7. Evergreens currently comprise 25% of the trees proposed that must meet the requirements of Section 37-8 and the landscape design manual as they were originally proposed as required woodland replacement trees. Please don't use evergreen trees for

more than 10% of the woodland replacement and "extra" credits planted to conform to the Landscape Design Manual.

### Planting Notations and Details (LDM)

- 1. Provided
- 2. Please break out mulch and woodland replacement trees from the other miscellaneous costs in the cost table.
- 3. Please respond to the other comments reqarding notes and details on the landscape chart.

### Storm Basin Landscape (Zoning Sec 5.5.3.E and LDM 3)

- 1. Please add shrubs around both ponds per the revised ordinance.
- 2. Please ensure that trees meeting the new requirement (LDM 3a) are located to meet that requirement. Woodland replacement trees can be used to meet the requirement, and they do not need to be arranged in a line some variation would actually be preferred to create a more natural look.
- 3. Please identify all areas of the site with *Phragmites australis* and/or *Japanese Knotweed*. If any is found, please show the locations on the topographic survey and add a plan for their removal to the plans. If none is found, please note that on the landscape plans.

### Irrigation (LDM 1.a.(1)(e) and 2.s)

- 1. The proposed landscaping must be provided with sufficient water to become established and survive over the long term.
- 2. Please provide an irrigation plan or note how this will be accomplished if an irrigation plan is not provided on Final Site Plans.
- 3. If an irrigation system will be provided, an actual irrigation plan must be provided in the Final Site Plans.

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5621 or rmeader <a href="mailto:rmeader@cityofnovi.org">rmeader@cityofnovi.org</a>.

Rick Meader - Landscape Architect

I Meader

### LANDSCAPE & WOODLAND REVIEW SUMMARY CHART

Project name: JSP20-0038: Ballantyne

Property size: 50.85 acres
Plan Date: April 24, 2014
Review Date: February 12, 2021

Reviewed by: Rick Meader, Landscape Architect, LLA <a href="meader@cityofnovi.org">meader@cityofnovi.org</a>, (248) 735-5621

Items in **Bold** need to be addressed by the applicant on the Final Site Plans.

### RECENTLY REVISED ORDINANCE AND LANDSCAPE DESIGN MANUAL CAN BE FOUND AT:

- Landscape Ordinance: <a href="https://www.cityofnovi.org/Reference/Code-of-Ordinances-and-City-Charter/Ordinance-18-293.aspx">https://www.cityofnovi.org/Reference/Code-of-Ordinances-and-City-Charter/Ordinance-18-293.aspx</a>
- Landscape Design Manual: <a href="https://www.cityofnovi.org/Reference/Code-of-Ordinances-and-City-Charter/LandscapeDesigManual.aspx">https://www.cityofnovi.org/Reference/Code-of-Ordinances-and-City-Charter/LandscapeDesigManual.aspx</a>

Please revise the calculations and provide the plantings required by the current ordinance on Final Site Plans.

### LANDSCAPE WAIVERS REQUIRED FOR PROPOSED PLAN:

- A landscape waiver is required for the deficiency in greenbelt width between 8 Mile Road and the south detention pond. It is supported by staff because the layout was previously approved as part of the RUD agreement.
- A landscape waiver is required for any deficiency in interior street trees provided. It is not supported by staff but can be corrected on Final Site Plans.

Item	Required	Proposed	Meets Code	Comments
Landscape Plan Requir	ements (LDM (2)			
Landscape Plan (Zoning Sec 5.5.2, LDM 2.e.)	<ul> <li>New commercial or residential developments</li> <li>Addition to existing building greater than 25% increase in overall footage or 400 SF whichever is less.</li> <li>1"=20' minimum with proper North. Variations from this scale can be approved by LA</li> <li>Consistent with plans throughout set</li> </ul>	<ul> <li>Overall plan 1" = 80'</li> <li>Frontage plans and other detail plans 1" = 30'</li> </ul>	Yes	
Project Information (LDM 2.d.)	Name and Address	Yes	Yes	
Owner/Developer Contact Information (LDM 2.a.)	Name, address and telephone number of the owner and developer or association	Yes	Yes	
Landscape Architect contact information (LDM 2.b.)	Name, Address and telephone number of RLA/PLA/LLA who	<ul><li>Calvin Hall &amp; Associates is shown on the</li></ul>	No	Calvin Hall &     Associates are no     longer in business.

Item	Required	Proposed	Meets Code	Comments
	created the plan	cover sheet Felino A. Pascual Associates on the plans.		Please change the cover sheet to show Felino A. Pascual & Associates.
Sealed by LA. (LDM 2.g.)	Requires original signature	No		Live signature is required on stamping sets.
Miss Dig Note (800) 482-7171 (LDM.3.a.(8))	Show on all plan sheets	Yes	Yes	
Zoning (LDM 2.f.)	Include all adjacent zoning	Site: RA North, East & West: RA South: RA & Northville Twp	No	Please show zoning of adjacent parcels on Sheet LS-1
Survey information (LDM 2.c.)	<ul><li>Legal description or boundary line survey</li><li>Existing topography</li></ul>	<ul><li>Description on Cover Sheet</li><li>No topographical survey is provided</li></ul>	■ Yes ■ No	Please provide a complete and up-to-date topographical survey with no site improvements shown.
Existing plant material Existing woodlands or wetlands (LDM 2.e.(2))	<ul> <li>Show location type and size. Label to be saved or removed.</li> <li>Plan shall state if none exists.</li> </ul>	<ul> <li>No tree survey is provided.</li> <li>Sheet 2 shows the site's sole wetland as surveyed in 2014.</li> </ul>	■ No ■ No	<ol> <li>Please provide a current tree survey of all trees 8" dbh or greater on the site, along Garfield Road and 8 Mile Road and within 50 feet of disturbance. The survey should include a chart including each tree's number, species, size (dbh) and whether it will be saved or removed.</li> <li>Please clearly show all trees to be removed on the Demolition Plan, which also needs to provided.</li> <li>Please provide a current wetland delineation.</li> </ol>
Soil types (LDM.2.r.)	<ul> <li>As determined by Soils survey of Oakland Co.</li> <li>Show types, boundaries</li> </ul>	Sheet 2	Yes	
Existing and proposed improvements	Existing and proposed buildings, easements, parking spaces,	Yes	Yes	

Item	Required	Proposed	Meets Code	Comments
(LDM 2.e.(4))	vehicular use areas, and R.O.W			
Existing and proposed utilities (LDM 2.e.(4))	<ul> <li>Overhead and underground utilities, including hydrants</li> <li>Proposed light fixtures</li> </ul>	<ul><li>Utility lines and structures are provided.</li><li>Light posts are not provided</li></ul>	• Yes • No	<ol> <li>Please clearly show and call out the overhead utility lines along 8 Mile Road.</li> <li>Please add proposed light posts to the plan</li> </ol>
Proposed grading. 2' contour minimum (LDM 2.e.(1))	Provide proposed contours at 2' interval	Only existing contours, proposed detention pond contours and some faint conceptual berm contours are provided.	No	Please show proposed contours for the entire site on the Landscape Plan
Snow deposit (LDM.2.q.)	Show snow deposit areas on plan	No	No	Please show areas for snow deposits.
LANDSCAPING REQUIRE	MENTS			
Parking Area Landscap	e Requirements LDM 1.c. &	Calculations (LDM 2.0	.)	
General requirements (LDM 1.c)	<ul><li>Clear sight distance within parking islands</li><li>No evergreen trees</li></ul>	NA		
Name, type and number of ground cover (LDM 1.c.(5))	As proposed on planting islands	NA		
<b>General</b> (Zoning Sec 5.	5.3.C.ii)			
Parking lot Islands (a, b. i)	<ul> <li>A minimum of 300 SF to qualify</li> <li>6" curbs</li> <li>Islands minimum width 10' BOC to BOC</li> </ul>	NA		
Curbs and Parking stall reduction (C)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of minimum 7 ft.	NA		
Contiguous space limit (i)	Maximum of 15 contiguous spaces	NA		
Plantings around Fire Hydrant ( <i>d</i> )	No plantings with matured height greater than 12' within 10 ft. of fire hydrants or other utility structures, and 5 feet from underground utility lines	It appears that trees are correctly spaced.	Yes	<ol> <li>Please add a note to all sheets with plantings clearly stating that trees must be planted at least 10 feet from utility structures and 5 feet from underground utility lines.</li> <li>Please show lines a</li> </ol>

Item	Required	Proposed	Meets Code	Comments	
				little heavier so conflicts can more easily noticed and corrected.	
Landscaped area (g)	Areas not dedicated to parking use or driveways exceeding 100 sq. ft. shall be landscaped	NA			
Clear Zones (LDM 2.3.(5))	<ul> <li>25 ft corner clearance required at Garfield Road entry. Refer to diagram from Section 5.5.9</li> <li>RCOC guidelines to determine required clear vision zone for 8 Mile Road entry.</li> </ul>	City of Novi clear vision zones are shown for both entries	Yes/No	Please show the Road Commission for Oakland County required clear vision zone at the 8 Mile Road entry since it is under their jurisdiction and locate trees per that clear vision zone.	
Berms, Walls and ROW Planting Requirements					
Berms					
<ul><li>Berm should be locat</li></ul>	n maximum slope of 33%. G ed on lot line except in cor structed with 6" of topsoil.		ouraged. Sh	now 1ft. contours	
Residential Adjacent to	Non-residential (Zoning Se	c 5.5.3.A and LDM 1.a	)		
Berm requirements (Zoning Sec 5.5.A)	Adjacent Zoning is RA	NA			
Planting requirements (LDM 1.a.)	LDM Novi Street Tree List	NA			
Adjacent to Public Righ	ts-of-Way (Zoning Sec 5.5.3	B.A and LDM 1.b)			
Cross-Section of Berms	(Zoning Sec 5.5.3.B and LD	M 2.j)			
Slope, height and width (Zoning Sec 5.5.3.A.v)	<ul><li>Label contour lines</li><li>Maximum 33% slope</li><li>Min. 4 feet crest</li></ul>	None provided	No	Please provide a standard cross-section for the right-of-way greenbelt berms.	
Type of Ground Cover		Seed indicated on plan view	Yes	Please indicate cover on cross section	
Setbacks from Utilities	Overhead utility lines and 15 ft. setback from edge of utility or 20 ft. setback from closest pole	No	No	Please show all overhead utilities – existing or proposed, and dimension closest trees.	
Walls (LDM 2.k & Zoning	y Sec 5.5.3.vi)				
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	None proposed			
Walls greater than 3		NA			

Item	Required	Proposed	Meets Code	Comments
½ ft. should be designed and sealed by an Engineer				
ROW Landscape Scree	ning Requirements (Sec 5.5.	3.B. ii)		
Greenbelt width (2)(3) (5)	34 ft./40 foot non- access easement	<ul> <li>8 Mile Rd: 10 ft min to detention pond access path</li> <li>Garfield Rd: 53' min</li> </ul>	■ No ■ Yes	<ol> <li>If possible, please reconfigure the southeast detention pond to provide the required 34 feet between the pond access drive and the right-of-way line for the required greenbelt.</li> <li>As the proposed configuration was approved as part of the RUD, this is not required, but the appearance of the subdivision from 8 Mile Road, and the additional quiet and privacy from additional 8 Mile Road screening south of the pond would be a benefit to the subdivision.</li> </ol>
Min. berm crest width	4 ft.	Notes indicate a 4 foot berm with 4 foot crest but correct contours are not provided	TBD	Please show the correct contours, showing a meandering, undulating berm with 4 feet crest
Minimum berm height (9)	4 ft.	See above	TBD	See above
3' wall (4) (7)	NA	Decorative walls are proposed at the entries and a decorative fence is proposed along the frontages.	TBD	Please provide details for the walls and fence in the landscape plans.
Canopy deciduous or large evergreen trees (Sec 5.5.3.B)	<ul> <li>1 tree per 40 l.f.;</li> <li>8 Mile Road (408-84)/40= 8 trees</li> <li>Garfield Road (2497-88)/40 = 60 trees</li> </ul>	8 Mile Road: 11 Garfield Road: 68 trees	• Yes • Yes	1. Please correct the calculations per the newly revised ordinance.  2. If the applicant wishes to reduce the number of trees provided per the revised ordinance,

Item	Required	Proposed	Meets Code	Comments
				they may
Sub-canopy deciduous trees (Sec 5.5.3.B)	<ul> <li>1 tree per 25 l.f.;</li> <li>8 Mile Road (408-84)/25= 13 trees</li> <li>Garfield Road (2497-88)/25 = 96 trees</li> </ul>	8 Mile Road: 20 trees Garfield Road: 119 trees	■ Yes ■ Yes	<ol> <li>Please correct the calculations per the newly revised ordinance.</li> <li>If the applicant wishes to reduce the number of trees provided per the revised ordinance, they may</li> </ol>
Street Trees (Sec 5.5.3.B and LDM 2)	External Trees  1 tree per 35 l.f.;  8 Mile Road (408-xx)/35= xx trees  Garfield Road (2497-96)/35 = 69 trees  Internal streets 1 tree per 35 lf of street frontage (including culde-sacs and eyebrows) 8353lf/35 = 239 trees	8 Mile Road: 10 trees  Garfield Road: 72 trees  Internal streets: 219 trees	■ Yes ■ Yes ■ No	External Trees  1. Revise the calculations per the newly revised ordinance.  2. Provide the required trees  Internal Streets  1. Revise the calculations per the revised Landscape Design Manual. NOTE: The requirement has changed since the plan was originally approved.  2. Provide the required trees  3. Please use trees with a mature canopy width of at least 20 feet. Armstrong Maples are too narrow.
Island & Boulevard Planting LDM	<ul> <li>Must be landscaped &amp; irrigated</li> <li>Mix of canopy/subcanopy trees, shrubs, groundcovers, etc.</li> <li>No plant materials between heights of 3-6 feet as measured from street grade</li> </ul>	Trees shown in all islands, additional plantings in entry islands		Please add some shrubs or other smaller plantings to the islands in the cul-de-sac and the eyebrows.
Woodland Replacements Section 37 – Woodland Protection	<ul> <li>On May 29, 2013, Planning Commission approved Oberlin site plan (JSP 12-33) and Woodland permit</li> </ul>	The plans show a total of 1320 trees planted as replacement trees, 444 of	Yes	The number of total credits required to be planted is 816, so the number of "replacement" tree

Item	Required	Proposed	Meets Code	Comments
Transformers/Utility	conditions include 816 trees to be planted on Ballantyne site. After further calculations, it was determined that a total of 1173 trees are counted towards woodlands replacements. Stamping sets for Ballantyne indicate 1173 woodland replacements and RUD agreement indicates 816 trees.  When Oberlin was developed, the developers paid all the money that is required for off-site replacements into tree fund.  On June 28, 2017 Planning Commission approved woodland permit for 'Bolingbroke' site allowing 537 off-site replacements to be planted on Ballantyne site.  In 2018, Singh paid into the tree fund for the 537 replacement trees Per the original RUD, 816 credits are still required to be planted on the site as supplemental trees to the other landscape requirements. Those trees must follow the standards for woodland replacement trees since that was the original purpose of those trees.  A minimum of 2ft.	which were evergreen trees that only account for 297 credits (444x0.67 credits per tree)  Total credits proposed = 876 deciduous credits + 297 evergreen credits = 1173 credits		credits provided can be reduced to 816.  2. Only 10% of the replacement credits can be evergreens, so a maximum of 122 evergreen trees can be used as "replacements". Fewer can be used, but not more.  3. The above limitation regarding evergreens does not carry over to greenbelt plantings.  4. Please see the notes regarding the species composition of trees used in the Plant List discussion below.
boxes (LDM 1.e from 1	separation between box and the plants	None shown	TBD	transformer/utility boxes is determined,

Item	Required	Proposed	Meets Code	Comments
through 5)	<ul> <li>Ground cover below 4" is allowed up to pad.</li> <li>No plant materials within 8 ft. from the doors</li> </ul>			add landscaping per city requirements.  2. Add a note to this effect to the plans.  3. Please revise the detail on the plans to match the attached detail.  4. Add an estimate of the shrubs necessary for the utility boxes to the plant list and cost estimate.
Detention/Retention Ba	sin Requirements (Sec. 5.5.3	3.E.iv)		
Planting requirements (Sec. 5.5.3.E.iv, LDM 3))	<ul> <li>Clusters of large native shrubs shall cover 70-75% of the basin rim area at 10 feet from the bottom or permanent water level.</li> <li>Canopy trees at 1/35 If measured at 10 feet above the bottom or permanent water level around the east, west and south sides of the basins -woodland replacement trees may be used to meet this requirement.</li> <li>10" to 14" tall grass along sides of basin</li> <li>Refer to wetland for basin mix</li> </ul>	<ul> <li>It appears that less than 70% of the basins have the required shrubs.</li> <li>It appears that the woodland replacements, as placed, may meet the requirement for the trees.</li> </ul>	■ No ■ Yes	<ol> <li>Please add the calculation for the trees that are now required.</li> <li>Please provide the required trees around the east, south and west sides of the basins.</li> <li>Please provide sufficient shrub coverage, located per the new requirements in the Landscape Design Manual</li> <li>Please add notes for the proper site preparation, seeding and maintenance of the seeded areas. A sample is attached.</li> <li>Please add a note to the plans near the seed mixes stating that the landscaper shall send proof of the seed mixes being used prior to putting it down – invoices and/or photos of the seed bags are sufficient.</li> </ol>
Phragmites and Japanese Knotweed Control (Sec 5.5.6.B.i)	<ul> <li>Any and all populations of Phragmites australis and/or Japanese</li> </ul>	None indicated	TBD	Please survey the site for any populations of Phragmites australis and show its

Item	Required	Proposed	Meets Code	Comments
	Knotweed on site shall be included on tree survey.  Treat populations per MDEQ guidelines and requirements to eradicate the weed from the site.			location on the topographic survey or landscape plan. 2. If some is found, add plans for its removal. 3. If none is found, please indicate that on the survey.
LANDSCAPING NOTES, I	DETAILS AND GENERAL REQU	JIREMENTS		
Landscape Notes - Utili	ze City of Novi Standard No	otes		
Installation date (LDM 2.1. & Zoning Sec 5.5.5.B)	Intended dates of planting should be between Mar 15 – Nov 15	<ul> <li>Dec plants – Mar</li> <li>1-Jun 1 and Oct 1</li> <li>until soil is frozen</li> <li>Evergreen plants</li> <li>Mar 1 – Jun1</li> </ul>	Yes	Please correct the year stated in City of Novi Landscape Note General Note #6
Maintenance & Statement of intent (LDM 2.m & Zoning Sec 5.5.6)	<ul> <li>Include statement of intent to install and guarantee all materials for 2 years.</li> <li>Include a minimum one cultivation in June, July and August for the 2-year warranty period.</li> </ul>	No	No	<ol> <li>Please add cultivation note.</li> <li>Please revise Landscape Maintenance note #4 to state that all plantings shall be replaced within 3 months, not 6 months</li> </ol>
Plant source (LDM 2.n & LDM 3.a.(2))	Shall be northern nursery grown, No.1 grade	Yes	Yes	
Irrigation plan (LDM 2.s.)	A fully automatic irrigation system and a method of draining is required with Final Site Plan or alternative means of providing sufficient water for plant establishment and long-term survival	No		Need for final site plan
Other information (LDM 2.u)	Required by Planning Commission	Woodchip paths are shown but not dimensioned	TBD	Please show the width and depth of the woodchip paths on the site.
Establishment period (Zoning Sec 5.5.6.B)	2 yr. Guarantee	Yes	Yes	
Approval of substitutions. (Zoning Sec 5.5.5.E)	City must approve any substitutions in writing prior to installation.	Yes	Yes	Please add "in writing" to General Landscape Note #6.
Plant List (LDM 4, 11) - Include all cost estimates				
Quantities and sizes	See Table 11.b.(2)(a).i	Shown in plant lists	Yes	
Root type	■ B&B or Cont	Shown in plant lists	Yes	

Item	Required	Proposed	Meets Code	Comments	
Botanical and common names	<ul> <li>Species native to Michigan shall constitute at least 50% (preferably more) of the plants used, not including woodland replacements or seed mix species.</li> <li>The "extra" trees that were formerly woodland replacement trees shall be selected from the Woodland Replacement Chart in Section 37.</li> <li>Non-woodland replacement trees shall conform to the LDM Section 4 standards for diversity on 15% of trees per genus</li> <li>10% of trees per species</li> </ul>	<ul> <li>9 of 34 (26%) of species used for site landscaping (not woodland replacements) are native to Michigan</li> <li>Tree diversity meets the standard of LDM 4 for all but Acer rubrum</li> </ul>	■ No ■ Yes	<ol> <li>Please revise the plant list to use species native to Michigan for at least 50% of the non-woodland replacement species used.</li> <li>Please reduce the number of Acer rubrums used for non-replacement trees to 55 or less,</li> <li>Please replace the Armstrong maple with a variety that has a mature canopy width of at least 20 feet.</li> <li>Evergreen trees are proposed to compose 25% of the replacement credits planted, which is above the 10% maximum. Please reduce the total number of evergreen trees to no more than 10% of the woodland replacement credits planted on the site and "extra" trees that were originally woodland replacement trees.</li> </ol>	
Type and amount of lawn		Seed of various types is proposed	Yes	Please clearly indicate which areas are to be seeded with which type of seed on plan view	
Cost estimate (LDM 2.t)	For all new plantings, mulch and sod as listed on the plan	No		Need for Final Site Plan	
Planting Details/Info (LDM 2.i) - Utilize City of Novi Standard Details					
Canopy Deciduous Tree		Yes	Yes		
Evergreen Tree	Refer to LDM for detail	Yes	Yes		
Multi-stem Tree	drawings	No	TBD	Please add to the plans if multi-stem trees are proposed.	

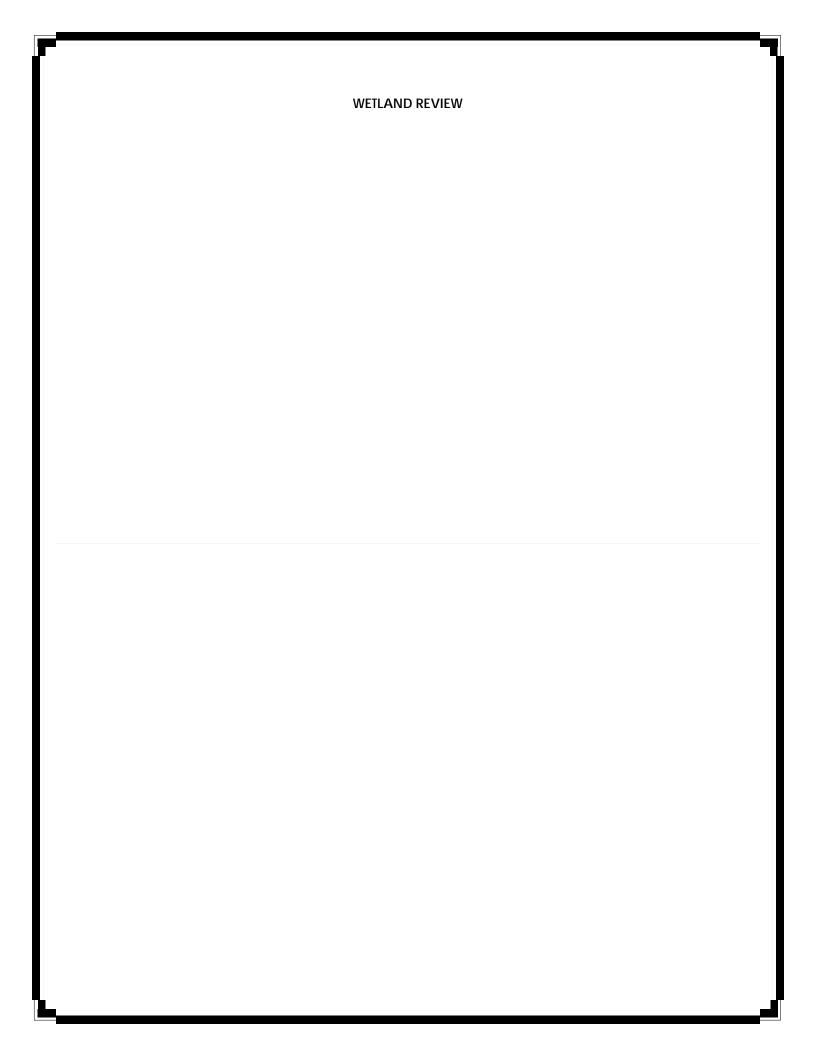
Item	Required	Proposed	Meets Code	Comments
Shrub		Yes	Yes	
Perennial/ Ground Cover		Yes	Yes	
Tree stakes and guys. (Wood stakes, fabric guys)		Yes	Yes	
Tree protection fencing	Located at Critical Root Zone (1' outside of dripline)	Yes	Yes	
Other Plant Material Re			_	
General Conditions (LDM 3.a)	Plant materials shall not be planted within 4 ft. of property line	No	No	Please add note near property lines.
Plant Materials & Existing Plant Material (LDM 3.b)	Clearly show trees to be removed and trees to be saved.	No	No	Please leave tree labels for trees to be saved on Landscape Plans L-1 and L-2 to be sure of counts and screening.
Landscape tree credit (LDM3.b.(d))	Substitutions to landscape standards for preserved canopy trees outside woodlands/wetlands should be approved by LA. Refer to Landscape tree Credit Chart in LDM	None		
Plant Sizes for ROW, Woodland replacement and others (LDM 3.c)	Refer to Chapter 37, LDM for more details	Sizes are shown on plant lists	Yes	
Plant size credit (LDM3.c.(2))	NA			
Prohibited plants (LDM 11.b(2)b)	No plants on City Invasive Species List	Pyrus calleryana and Ligustrum x vicary are prohibited species.	No	Please replace those species with plants that are not on the prohibited species list
Recommended trees for planting under overhead utilities (LDM 3.e)	Label the distance from the overhead utilities			
Collected or Transplanted trees (LDM 3.f)		NA		
Nonliving Durable Material: Mulch (LDM 4)	<ul> <li>Trees shall be mulched to 3" depth and shrubs, groundcovers to 2" depth</li> <li>Specify natural color, finely shredded</li> </ul>	Yes	Yes	

Page 12 of 12 JSP20-0038: BALLANTYNE

Item	Required	Proposed	Meets Code	Comments
	hardwood bark mulch. Include in cost			
	estimate.			
	<ul><li>Refer to section for additional information</li></ul>			

### **NOTES:**

- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. For the landscape requirements, please see the Zoning Ordinance landscape section 5.5 and the Landscape Design Manual for the appropriate items under the applicable zoning classification.
- 3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.





February 10, 2021

Ms. Barbara McBeth
City Planner
Department of Community Development
City of Novi
45175 W. Ten Mile Road
Novi, Michigan 48375

RE: Ballantyne Residential Development JSP 20-0038

Wetland Review of Preliminary Site Plans (PSP20-0038)

Dear Ms. McBeth:

The Mannik & Smith Group, Inc. (MSG) has reviewed the Preliminary Site Plans for the proposed Ballantyne 41-unit residential development submitted by Singh Development (Plan). The Plan consists of multiple sheets having dates of August 8, 2005, April 16, 2014; and April 24, 2014. The Plan was evaluated for compliance with the City of Novi Wetland and Watercourse Protection Ordinance and natural features setback provisions in the Zoning Ordinance. The proposed project is located at the northwest corner of Eight Mile Road and Garfield Road in the southeast ¼ of Section 31 (Tax ID No. 22-31-400-007) (Site). MSG visited the Site on January 27, 2021 to inspect existing conditions and compare wetland boundaries with those depicted on the Plan. Photos showing the Site during MSG's visit are found at the end of this letter.

### **Wetland Characteristics and Setting**

The observed conditions at the Site consisted of a gently rolling fallow farm field dominated by short herbaceous vegetation with about 2-inches of snow cover. Three wetland areas, Wetlands A, B, and C as shown on the Plan, were identified at the Site in topographic depressions and MSG concludes that the wetland mapping is mostly accurate. An apparent wetland delineation flag labeled C-12 observed at the Site, approximately corresponding to Wetland A delineation point A-10 on Sheet 2 of the Plan, in MSG's opinion should be moved 10-feet to the west.

Wetland A, found in the interior of the Site, appears to be a City of Novi Regulated Wetland (essential) based on, but not necessarily limited to, its hydrologic and wildlife functions. The wetland contains multiple vegetation community types including woodland/shrub fringe largely consisting of red maple (*Acer rubrum*) and cottonwood (*Populus deltoides*) trees, herbaceous shallow marsh and wet meadow with reed canary grass and narrow-leaf cattail (*Typha angustifolia*), and some open water, which was frozen at the time of MSG's Site visit. The diversity of the wetland structure provides potential opportunities for a variety of wildlife including songbirds, raptors and waterfowl. Surrounding uplands drain toward the wetland, reducing the offsite transport of runoff. The applicant states and the wetland does not appear to be regulated by the Michigan Department of Environmental Quality (MDEQ), as it is isolated (i.e., not within 500-feet of an inland lake, pond, stream or river) and is not greater than 5 acres in size.

Wetlands B and C are similar in size and structure and found along the eastern edge of the property adjacent to Garfield Road. Wetland B is an emergent wetland dominated by herbaceous plants including reed canary grass (*Phalaris arundinacea*) and some invasive common reed (*Phragmites australis*). Wetland C is an emergent wetland

containing narrow-leaved cattail (*Typha angustifolia*), willow (*Willow spp.*) as well as some invasive buckthorn (*Rhamnus cathartica*). Both of these wetlands, although smaller and of lower habitat quality compared to Wetland A, meet essentiality criteria including, but not necessarily limited to, hydrologic function listed in the City's wetland ordinance. Wetland B and C boundaries appear to be accurately depicted on Sheet 3 of the Plan. Figure 1, the City of Novi Wetland and Woodland map pertaining to the Site, is included at the end of this document.

### **Proposed Impacts and MSG Recommendations**

No construction impacts are currently proposed for Wetland A, the largest and highest quality wetland on the Site. The Plan proposes to fill Wetland B (0.15-acre) and its entire associated 25-foot setback (0.20-acre) to construct an 8-foot wide sidewalk along Garfield Road and for grading the proposed Storm Water Detention Basin "B" near the corner of Garfield Road and Eight Mile Road. No impacts are proposed to Wetland C; however, the Plan proposes 0.06-acre of impacts to its 25-foot wetland buffer to build the aforementioned sidewalk.

- 1. After reviewing project history including a 2014 Final Site Plan review letter provided by the City's previous consultant, Environmental Consulting & Technology, Inc., MSG is aware of a Residential Unit Development (RUD) agreement for a 41-unit development on the Site dated February 13, 2014. The RUD agreement calls for restoration, enhancement, invasive species removal, and preservation of existing wetland areas as described in a Wetland Restoration Summary, which is apparently not part of the current Plan. Restoration would include excavating 0.25-acre of Wetland A and replacement of topsoil with new "clean" topsoil, tree and shrub plantings, and custom seed mix. The restoration included additional plantings and placing the remaining wetland and buffer areas into a conservation easement. Apparently, some of the restoration plan elements were intended to offset impacts associated with Singh project Oberlin Site Condos, which was proposed south of Eleven Mile Road between Beck and Wixom Roads. Sheets LS-5 and LS-6 are entitled "site off (sic) woodland tree replacement planting plan for Oberlin." Many of the trees shown are slated for "Ballantyne Park", which includes Wetland A, and would likely enhance the overall habitat quality of that wetland. Is this RUD agreement with its wetland "joint project" restoration provisions still in effect? If so, the Plan needs to be updated to differentiate between mitigation/restoration for the Oberlin vs. Ballantyne Plans and include the elements that were agreed to in the Applicant's RUD agreement with the City.
- The Applicant states the wetlands on Site and included in the Plan are not state-regulated. Although the Plan calls for impacts to only Wetland B, the Applicant should provide a copy of the EGLE Level 3 Wetland Review to the City (and our office) for review for verification of state non-jurisdictional status.
- 3. The Natural Features Setback line is mislabeled on Sheet 2 of the Plan and should be corrected.
- 4. The City of Novi Wetland and Watercourse Protection Ordinance (Section 12-176 Mitigation) states that design, construction plan and a monitoring plan must be approved for wetland mitigation projects. These items pertaining to specific impacts associated with the current plan need to be clarified on subsequent Plan submittals.

### **Permits and Regulatory Status**

The project as proposed requires a City of Novi Wetland Minor Use Permit as well as an Authorization to Encroach the 25-Foot Natural Features Setback for proposed impacts to Wetland B as well as the 25-foot wetland setbacks associated with both Wetland B and Wetland C along Garfield Road.

MSG currently recommends conditional approval of the Preliminary Site Plan for Wetlands, conditional upon the Applicant's satisfactory response to above listed items 1-4.

Sincerely,

The Mannik & Smith Group, Inc.

John A. Freeland, PhD, SPWS

Senior Scientist

Craig S. Willey Project Manager

Cc: Lindsay Bell, City of Novi Planner

Christian Carroll, City of Novi Planner

Madeleine Daniels, City of Novi Planning Assistant

# **FIGURES**

Figure 1

City of Novi Regulated Wetland & Woodland Map (approximate Site boundary shown in red). Regulated Woodland areas are shown in green and Regulated Wetland areas are shown in blue.



# APPENDIX A SITE PHOTOGRAPHS





Photo 1: Wetland B, facing west.



Photo 2: Wetland B facing northwest.





Photo 3: Wetland C facing northeast.



Photo 4: Wetland C facing northeast.





Photo 5: Wetland A facing east.

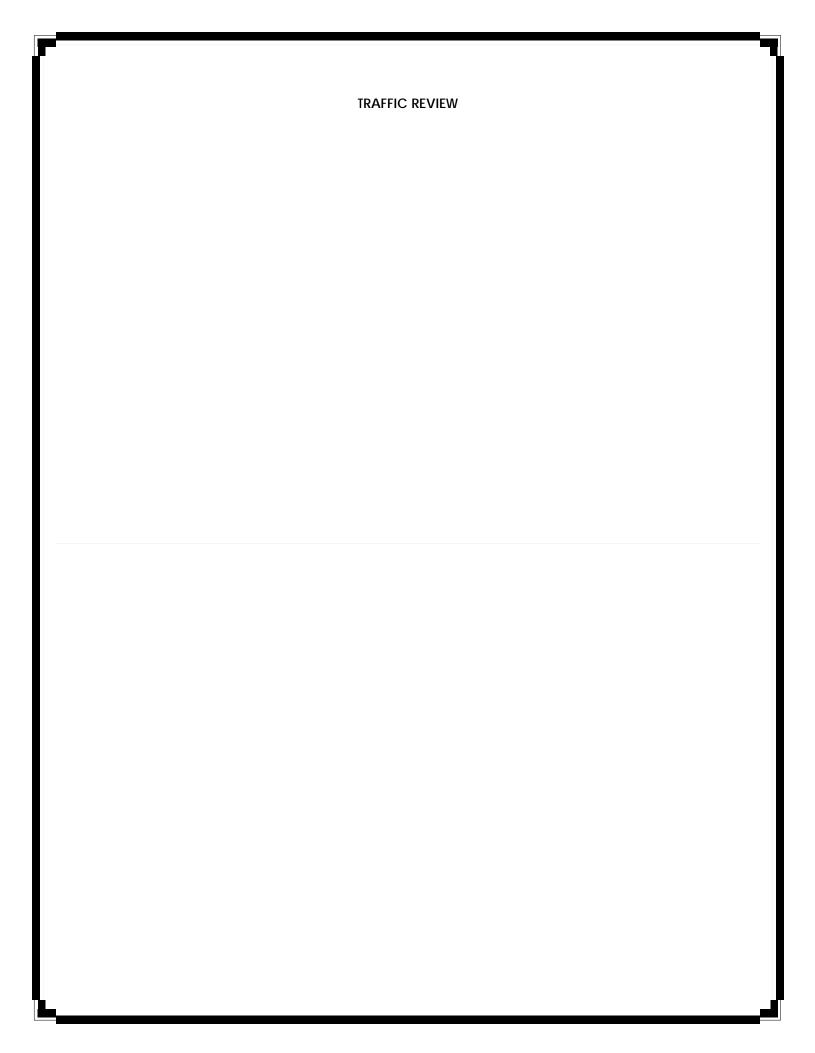


Photo 6: Wetland A facing west.





Photo 7: Wetland A and surrounding idle upland farm field, facing north.





To:

Barbara McBeth, AICP City of Novi 45175 10 Mile Road Novi, Michigan 48375

CC:

Lindsay Bell, Madeleine Kopko, Kate Richardson, Victor Boron, Christian Carroll

AECOM 27777 Franklin Road Southfield MI, 48034 USA aecom.com

Project name:

JSP20-38 – Ballantyne Preliminary Traffic Review

From: AECOM

Date:

December 30, 2020

# Memo

Subject: JSP20-38 - Ballantyne Preliminary Traffic Review

The preliminary site plan was reviewed to the level of detail provided and AECOM recommends **approval** for the applicant to move forward until the condition that the comments provided below are adequately addressed to the satisfaction of the City.

# **GENERAL COMMENTS**

- 1. The applicant, Singh Development, LLC, is proposing a 41 unit residential development.
- The development is located on the northwest corner of the intersection of Eight Mile Road and Garfield Road. Garfield Road is under the jurisdiction of the City of Novi. Eight Mile Road is under the jurisdiction of the Road Commission for Oakland County (RCOC).
- 3. The site is currently zoned RA (Residential Acreage).
- 4. The following traffic-related waivers/variances may be required:
  - a. Possible variance for opposite side driveway spacing along Eight Mile Road.

# TRAFFIC IMPACTS

1. AECOM performed an initial trip generation based on the ITE Trip Generation Manual, 10th Edition, as follows.

ITE Code: – 210 – Single-Family Detached Housing Development-specific Quantity: 41 Dwelling Units

Zoning Change: N/A

Trip Generation Summary						
	Estimated Trips	Above Threshold?				
AM Peak-Hour Trips	34	26	100	No		
PM Peak-Hour Trips	43	27	100	No		
Daily (One- Directional) Trips	458	N/A	750	No		

2. The City of Novi generally requires a traffic impact study/statement if the number of trips generated by the proposed development exceeds the City's threshold of more than 750 trips per day or 100 trips per either the AM or PM peak hour, or if the project meets other specified criteria.

Trip Impact Study Recommendation				
Type of Study: Justification				
None -				

# TRAFFIC REVIEW

The following table identifies the aspects of the plan that were reviewed. Items marked O are listed in the City's Code of Ordinances. Items marked with ZO are listed in the City's Zoning Ordinance. Items marked with ADA are listed in the Americans with Disabilities Act. Items marked with MMUTCD are listed in the Michigan Manual on Uniform Traffic Control Devices.

The values in the 'Compliance' column read as 'met' for plan provision meeting the standard it refers to, 'not met' stands for provision not meeting the standard and 'inconclusive' indicates applicant to provide data or information for review and 'NA' stands for not applicable for subject Project. The 'remarks' column covers any comments reviewer has and/or 'requested/required variance' and 'potential variance'. A potential variance indicates a variance that will be required if modifications are not made or further information provided to show compliance with the standards and ordinances. The applicant should put effort into complying with the standards; the variances should be the last resort after all avenues for complying have been exhausted. Indication of a potential variance does not imply support unless explicitly stated.

EXTERNAL SITE ACCESS AND OPERATIONS				
No.	Item	Proposed	Compliance	Remarks
1	Driveway Radii   O <u>Figure IX.3</u>	35'	Met	In range, not standard
2	Driveway Width   O <u>Figure IX.3</u>	24'	Met	
2a	Boulevard Island Width   O Figure IX.3	Garfield:16' 8 Mile: 24'	Met	In range, not standard
2b	Boulevard Island Length   O Figure IX.3	Garfield: 31' 8 Mile: 66'	Met	In range, not standard
3	Driveway Taper   O Figure IX.11	Garfield only		
3a	Taper length	100'	Met	
3b	Tangent	25'	Met	
4	Emergency Access   O 11-194.a.19	3 access points	Met	Emergency access detail provided. The applicant should provide more detail for what the emergency access road is leading to as it doesn't appear to be a road.
5	Driveway sight distance   O Figure VIII-E	Garfield Drive: 1500' and 2000' 8 Mile: 1000' both directions	Met	

EXTERNAL SITE ACCESS AND OPERATIONS				
No.	Item	Proposed	Compliance	Remarks
6	Driveway spacing			
6a	Same-side   O <u>11.216.d.1.d</u>	Not provided	Inconclusive	Provide details.
6b	Opposite side   O <u>11.216.d.1.e</u>	Garfield directly across 8 Mile not indicated	Inconclusive	Indicate opposite side spacing to existing drive west of proposed 8 Mile driveway. A variance may be required if not met.
7	External coordination (Road agency)	Permit required	Inconclusive	Indicate coordination with RCOC for work on 8 Mile Road.
8	External Sidewalk   <u>Master Plan &amp; EDM</u>	8' along both Garfield and existing along 8 Mile	Met	The applicant should indicate what sidewalk along 8 Mile Road is existing and what is proposed.
9	Sidewalk Ramps   EDM 7.4 & R-28-J	Provided	Met	
10	Any Other Comments:	N/A		

INTE	INTERNAL SITE OPERATIONS					
No.	Item	Proposed	Compliance	Remarks		
11	Loading zone   <u>ZO 5.4</u>	N/A	N/A			
12	Trash receptacle   ZO 5.4.4	N/A	N/A			
13	Emergency Vehicle Access	Not indicated	Inconclusive	Indicate emergency vehicle turning movements to confirm access.		
14	Maneuvering Lane   ZO 5.3.2	N/A	N/A			
15	End islands   ZO 5.3.12					
15a	Adjacent to a travel way	N/A	N/A			
15b	Internal to parking bays	N/A	N/A			
16	Parking spaces   ZO 5.2.12	N/A	N/A			
17	Adjacent parking spaces   <u>ZO</u> <u>5.5.3.C.ii.i</u>	N/A	N/A			
18	Parking space length   ZO 5.3.2	N/A	N/A			
19	Parking space Width   ZO 5.3.2	N/A	N/A			
20	Parking space front curb height   <u>ZO</u> <u>5.3.2</u>	N/A	N/A			
21	Accessible parking – number   ADA	N/A	N/A			
22	Accessible parking – size   ADA	N/A	N/A			
23	Number of Van-accessible space   ADA	N/A	N/A			
24	Bicycle parking					
24a	Requirement   ZO 5.16.1	N/A	N/A			
24b	Location   <u>ZO 5.16.1</u>	N/A	N/A			
24c	Clear path from Street   ZO 5.16.1	N/A	N/A			
24d	Height of rack   <u>ZO 5.16.5.B</u>	N/A	N/A			

INTE	INTERNAL SITE OPERATIONS					
No.	Item	Proposed	Compliance	Remarks		
24e	Other (Covered / Layout)   ZO 5.16.1	N/A	N/A			
25	Sidewalk – min 5' wide   <u>Master Plan</u>	5' indicated in road cross section	Met			
26	Sidewalk ramps   EDM 7.4 & R-28-J	Provided	Met	Applicant could consider providing more frequent ramps to cross Ballantyne Blvd. Ramps are provided on the north side of Ballantyne at Ballantyne Court but not on the south side. Provide the latest MDOT standard sidewalk ramp detail.		
27	Sidewalk – distance back of curb   EDM 7.4	16'	Met			
28	Cul-De-Sac   O <u>Figure VIII-F</u>	70' ROW, 54' B/C, 22' Center, 32' lane	Met			
29	EyeBrow   O Figure VIII-G	N/A				
30	Minor/Major Drives   <u>ZO 5.10</u>	28' back-of- curb to back- of-curb	Met			
31	Any Other Comments:	The applicant should indicate if parking is to be allowed on the street. No parking signs are present on the islands in the culde-sacs, however, no signs are indicated elsewhere in the development, suggesting on-street parking is to be allowed on both sides throughout.				

SIGI	SIGNING AND STRIPING					
No.	Item	Proposed	Compliance	Remarks		
32	Signing: Sizes   MMUTCD	Not included	Not Met	Stop sign should be 30"x30"		
33	Signing table: quantities and sizes	Not included	Not Met	Include quantities, sizes, and MMUTCD codes.		
34	Signs 12" x 18" or smaller in size shall be mounted on a galvanized 2 lb. U-channel post   MMUTCD	Not included	Not Met	Provide details		
35	Signs greater than 12" x 18" shall be mounted on a galvanized 3 lb. or greater U-channel post   MMUTCD	Not included	Not Met	Provide details		
36	Sign bottom height of 7' from final grade   MMUTCD	Not included	Not Met	Provide details		
37	Signing shall be placed 2' from the face of the curb or edge of the nearest sidewalk to the near edge of the sign   MMUTCD	Not included	Not Met	Provide details		

SIGNING AND STRIPING					
No.	Item	Proposed	Compliance	Remarks	
38	FHWA Standard Alphabet series used for all sign language   MMUTCD	Not included	Not Met	Provide details	
39	High-Intensity Prismatic (HIP) sheeting to meet FHWA retro-reflectivity   MMUTCD	Not included	Not Met	Provide details	
40	Parking space striping notes	N/A	N/A		
41	The international symbol for accessibility pavement markings   ADA	N/A	N/A		
42	Crosswalk pavement marking detail	N/A	N/A		
43	Maintenance of Traffic Plans	Not included	Not Met	Provide details for maintenance of traffic on Garfield and 8 Mile Road during work in the right-ofway.	
44	Any Other Comments:	The applicant could include crosswalks at the intersections where ramps are currently provided and additional crosswalks whenever ramps are present to cross Ballantyne Blvd to improve pedestrian visibility. Detail should be included if crosswalks are added.			

Note: Hyperlinks to the standards and Ordinances are for reference purposes only, the applicant and City of Novi to ensure referring to the latest standards and Ordinances in their entirety.

Should the City or applicant have questions regarding this review, they should contact AECOM for further clarification.

Sincerely,

**AECOM** 

Patricia Thompson, EIT Traffic Engineer

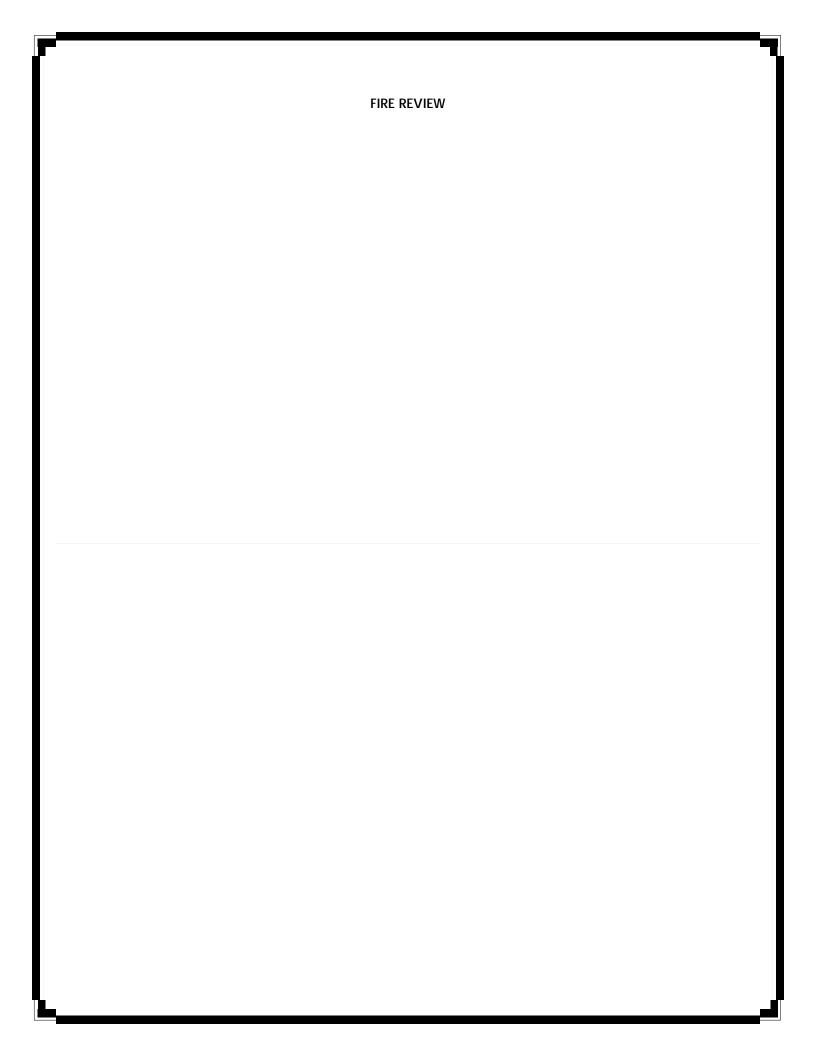
Patricia a Thompson

Paula K. Johnson, PE Senior Transportation Engineer

Paula K. Johnson

Saumil Shah, PMP Project Manager

Saunis Shal





January 5, 2021

TO: Barbara McBeth- City Planner Lindsay Bell-Plan Review Center Christian Carroll-Plan Review Center Madeleine Kopko-Planning Assistant

RE: Ballantyne Residential Development, Eight Mile & Garfield Rds.

PSP# 20-0090

PSP# 14-0151 PSP# 14-0065 PSP# 13-0175

# **Project Description:**

41-unit Single Family Detached home development

## Comments:

- All fire hydrants MUST be installed and operational prior to any combustible material is brought on site. IFC 2015 3312.1
- Gated entrances MUST conform to City of Novi standards for fire apparatus clearances and have an approved entry device.
- The emergency access between units 14 and 15 is NOT required due to two entrances in the development. One off of Eight Mile and one off of Garfield Rds.

#### Recommendation:

APPROVED WITH CONDITIONS

#### Conditions:

9/13/2014 - Any gates that need to be secure MUST have a device that the fire department can have rapid access to the development. The Novi Fire Department uses Knox Box devices for the rapid access. (knoxbox.com)

#### Mayor **Bob Gatt**

CITY COUNCIL

Mayor Pro Tem Dave Staudt

Andrew Mutch

Laura Marie Casey

Kelly Breen

**Hugh Crawford** 

Justin Fischer

**City Manager** 

Peter E. Auger

**Director of Public Safety Chief of Police** 

David E. Molloy

**Fire Chief** 

Jeffery R. Johnson

**Assistant Chief of Police** 

Erick W. Zinser

**Assistant Chief of Police** 

Scott R. Baetens

**Assistant Fire Chief** 

John B. Martin

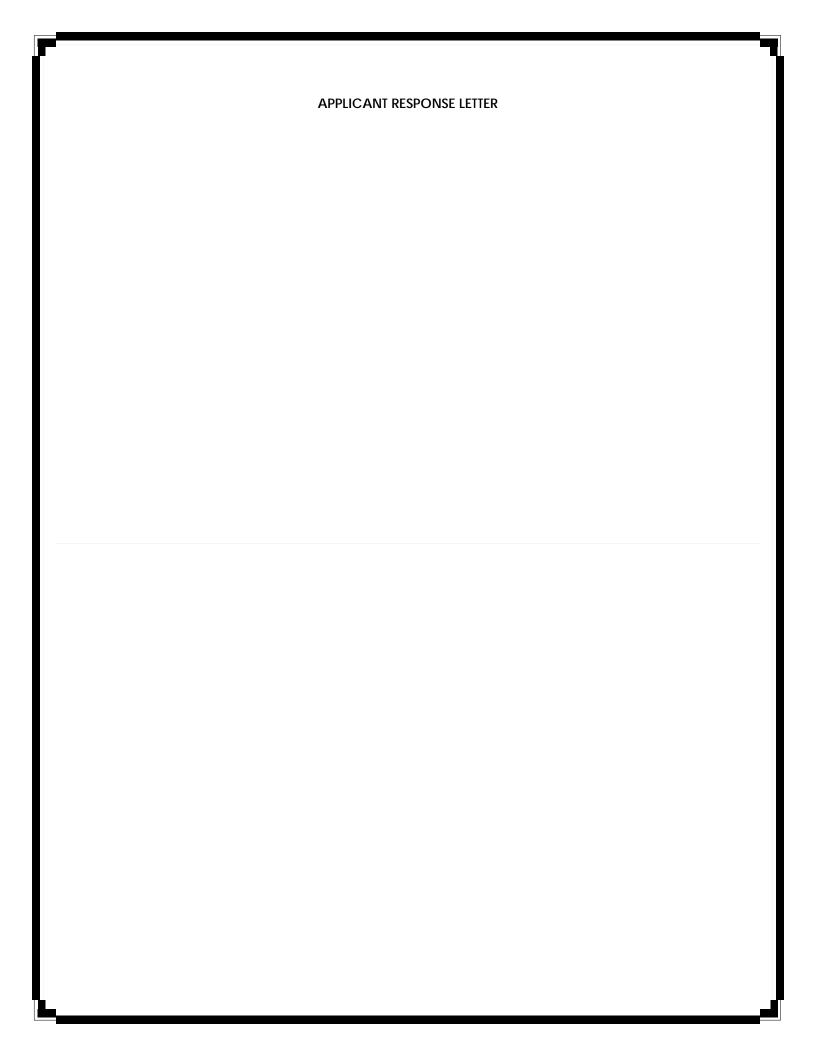
**Novi Public Safety Administration** 45125 Ten Mile Road Novi, Michigan 48375 248.348.7100 248.347.0590 fax

cityofnovi.org

Kevin S. Pierce-Fire Marshal City of Novi - Fire Dept.

file CC:

Sincerely,





Robert J. Emerine, P.E. Jason M. Emerine, P.E.

Patrick Keast, P.E.

100 MainCentre Suite 10 Northville, Michigan 48167 (248) 308-3331

February 18, 2021

Mr. Christian Carroll Planner City of Novi 45175 W 10 Mile Road Novi, MI 48375

RE: JSP 20-38 Ballantyne

Response to City of Novi Preliminary Site Plan Review dated February 10, 2021

Dear Mr. Carroll,

Seiber, Keast Engineering LLC ("SKE") is in receipt of your Plan Review Center Report dated February 10, 2021 regarding the Preliminary Site Plan Application for the JSP20-38 Ballantyne Site Condominium. In response to your comments, SKE offers the following:

# **Planning Review**

- 1. A note will be added to the plan regarding building height.
- 2. Noted.
- 3. The frontage sidewalk along 8 Mile was paved by others since the first site plan was approved. The Applicant will work with the City of Novi Staff to determine if the RUD requires payment to the City for the sidewalk that has been constructed by others.
- 4. Removal of existing invasive species and replacement with native plantings will be addressed on future submittals.
- 5. Entryway lighting is proposed and is shown on the Landscape Plans. It is difficult to read. Future submissions will provide further clarity on the proposed entryway lighting.
- 6. The Applicant will provide updated economic impact information for the development on future submittals.

Approval of the Preliminary Site Plan is recommended by Planning Staff.

# **Engineering Review**

The applicant previously received Final Site Plan and Stamping Set plan approval from the City of Novi for this project. Several comments on the Engineering Review indicate "as shown on the previous stamping set..." which indicates that we have previously complied with those requirements. The Applicant will continue to meet the requirements of the City's Engineering Standards and Ordinances on future submittals.



Items in the Engineering Review with **BOLD** text appear to require responses at this time. Responses to those comments are:

### Water Main

12. Additional Water Main information will be provided at the time of Final Site Plan submittal.

## Sanitary Sewer

- 13. Additional Sanitary Sewer information will be provided at Final Site Plan.
- 14. The requirements of the sanitary sewer and the 2014 RUD Agreement are noted.

## Storm Sewer

15. Additional Storm Sewer information will be provided at Final Site Plan.

# Paving & Grading

30. The sidewalk along 8 Mile Road will be revised and be shown as existing. The Applicant will work with the City of Novi Staff to determine if the RUD requires payment to the City for the sidewalk that has been constructed by others.

All other items not indicated in **BOLD** text will be addressed at the time of Final Site Plan.

All items in subsequent sections of the Engineering review will be addressed at Final Site Plan, Stamping Set, prior to construction, or prior to the issuance of building permits as noted in the Engineering Review.

Approval of the Preliminary Site Plan is recommended by Engineering Staff.

### **Landscape Review**

The Landscape Review Letter notes that two (2) Landscape Waivers are required based on the current Preliminary Site Plan. Those waivers and the Applicant's response to those waivers are:

<u>Deficiency in Greenbelt Width Between 8 Mile Road and the South Detention Pond</u>
The Landscape Review indicates that this waiver <u>IS</u> supported by City Staff as this layout matches the approved RUD agreement. The Applicant does not intend on modifying the location of the southerly detention basin and increasing the Greenbelt Width. This waiver is requested.

# Deficiency in Interior Street Trees

This waiver is NOT supported by City Staff. As a result, The Applicant agrees increase quantity of Street Trees to meet the ordinance requirements. Updated Landscape Plans showing this change will be provide at Final Site Plan. This waiver is not required, nor is it requested.



The Applicant will work with the City of Novi Staff to satisfy the remaining Landscaping & Woodlands review comments.

Landscaping & Woodlands Staff recommends approval of the Preliminary Site Plan now that the Applicant has agreed to provide the ordinance required quantity of street trees and the need for a street tree waiver has been removed.

# **Wetlands Review**

- 1. The requirements of the RUD will be met in this Development.
- 2. A copy of a EGLE Level 3 Wetland Review was not required in the previously approved Preliminary Site Plan and Final Site Plan. It is unclear why this additional requirement is being requested.
- 3. The Natural Features Setback on Sheet 2 is labeled correctly with a double arrow indicating the 25-foot width of the setback. The arrow heads on the leader are a little difficult to read and will be revised so the labels will be more legible.
- 4. A wetland mitigation monitoring plan will be provided at the time of Final Site Plan, if required.

# **Traffic Review**

- 4. The emergency access road between lots 14 and 15 was required as a condition of the RUD.
- 6. The same side driveway spacing was previously reviewed and approved the City of Novi in the Preliminary Site Plan and Final Site Plan. The Road Commission for Oakland County previously approved both the above ground and below ground permit applications.
- 7. The Road Commission for Oakland County previously approved both the above ground and below ground permit applications.
- 8. The sidewalk along 8 Mile will be revised to indicated what is existing and what is proposed.
- 11. The Emergency Vehicle Turning movements will be confirmed at the time of Final Site Plan. It is noted the City of Novi centerline radii have been met, truck turning should not be an issue and that a truck turning plan was not required as part of the previously issued Preliminary or Final Site Plan.
- 26. The latest MDOT Sidewalk ramp detail will be provided at the time of Final Site Plan.
- 31. Parking is typically permissible on 28 foot wide roads. The signage shown on Sheet 3 was previously approved as part of the Preliminary and Final Site Plans.

Signing and Striping review comments will be addressed at the time of Final Site Plan submittal.

JSP 20-38 Ballantyne Prelim. Site Plan Response to Novi Review Dated 2-10-21 February 18, 2021



# **Fire Department Review**

- A note will be added to the plan indicating all fire hydrants must be installed and operational prior to any combustible materials being brought on site.
- A note will be added to the plans indicating all gated entrances must conform to City of Novi standards for fire apparatus clearances and have an approved entry device.
- The emergency access between units 14 & 15 is required by the RUD.
- A note will be added indicating that any gates that need to be secured need to have knox box.

Based on the approvals recommended by the City of Novi Staff and the response comments above, SKE respectfully requests the City of Novi Planning Commission to approve the Preliminary Site Plan for JSP 20-38 Ballantyne.

Sincerely,

Seiber, Keast Engineering, LLC.

Jason M. Emerine, PE

Cc: Barb McBeth, City of Novi Community Development. Avi Grewal, Singh Development Company