NOTE:

GUY DECIDUOUS TREES ABOVE **3"CAL.. STAKE DECIDUOUS** TREES BELOW 3" CAL.

STAKE TREES AT FIRST BRANCH USING 2"-3" WIDE BELT-LIKE NYLON OR PLASTIC STRAPS. ALLOW FOR SOME MINIMAL FLEXING OF THE TREE. REMOVE AFTER ONE YEAR.

2" X 2" HARDWOOD STAKES, MIN. 36" ABOVE GROUND FOR UPRIGHT, 18" IF ANGLED. DRIVE STAKES A MIN. 18" INTO UNDISTURBED GROUND OUTSIDE ROOTBALL. REMOVE AFTER ONE YEAR.

MULCH 4" DEPTH WITH SHREDDED HARDWOOD BARK. NATURAL IN COLOR. LEAVE 3" CIRCLE OF BARE SOIL AT BASE

MOUND EARTH TO FORM SAUCER

REMOVE ALL

OF TREE TRUNK.

NON-BIODEGRADABLE MATERIALS COMPLETELY FROM THE ROOTBALL. CUT DOWN WIRE BASKET AND FOLD DOWN BURLAP FROM TOP 1/2 OF THE ROOTBALL

É4" – TREE PIT = 3 x

ROOTBALL WIDTH

NOTE:

TREE SHALL BEAR SAME **RELATION TO FINISH GRADE AS** IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 6" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.

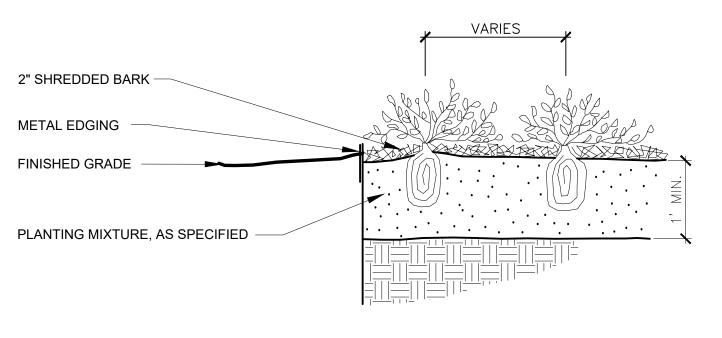
DO NOT PRUNE TERMINAL LEADER. PRUNE ONLY DEAD OR BROKEN BRANCHES.

REMOVE ALL TAGS, STRING, PLASTICS AND OTHER MATERIALS THAT ARE UNSIGHTLY OR COULD CAUSE GIRDLING.

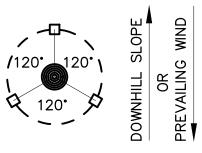
> PLANTING MIXTURE AMEND SOILS PER SITE CONDITIONS AND REQUIREMENTS OF THE PLANT MATERIAL.

SCARIFY SUBGRADE AND PLANTING PIT SIDES. RECOMPACT BASE OF TO 4" DEPTH.

DECIDUOUS TREE PLANTING DETAIL

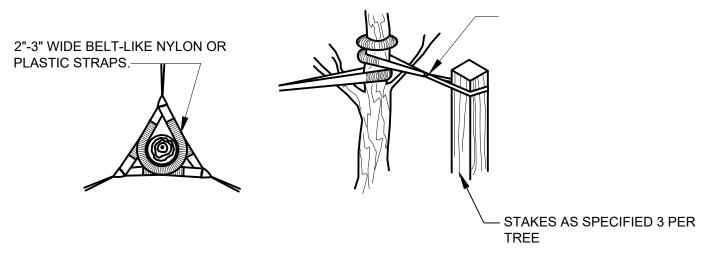


PERENNIAL PLANTING DETAIL Not to scale



ORIENT STAKING/GUYING TO PREVAILING WINDS, EXCEPT ON SLOPES GREATER THAN 3:1 ORIENT TO SLOPE. USE SAME STAKING/GUYING ORIENTATION FOR ALL PLANTS WITHIN EACH GROUPING OR AREA

STAKING/GUYING LOCATION



GUYING DETAIL

STAKING DETAIL



NOTE:

GUY EVERGREEN TREES ABOVE 12' HEIGHT. STAKE EVERGREEN TREE BELOW 12' HEIGHT.

STAKE TREES AT FIRST BRANCH USING 2"-3" WIDE BELT-LIKE NYLON OR PLASTIC STRAPS. ALLOW FOR SOME MINIMAL FLEXING OF THE TREE. REMOVE AFTER ONE YEAR.

2" X 2" HARDWOOD STAKES. MIN. 36" ABOVE GROUND FOR UPRIGHT, 18" IF ANGLED. DRIVE STAKES A MIN. 18" INTO UNDISTURBED GROUND OUTSIDE ROOTBALL. REMOVE AFTER ONE YEAR.

MULCH 4" DEPTH WITH SHREDDED HARDWOOD BARK. NATURAL IN COLOR. LEAVE 3" CIRCLE OF BARE SOIL AT BASE OF TREE TRUNK. MOUND EARTH TO FORM SAUCER

REMOVE ALL NON-BIODEGRADABLE MATERIALS COMPLETELY FROM THE ROOTBALL. CUT DOWN WIRE BASKET AND FOLD DOWN BURLAP FROM TOP 1/2 OF THE ROOTBALL.

TREE PIT = 3 x

ROOTBALL WIDTH

NOTE:

TREE SHALL BEAR SAME RELATION TO FINISH GRADE AS IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 6" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.

DO NOT PRUNE TERMINAL LEADER. PRUNE ONLY DEAD OR BROKEN BRANCHES.

REMOVE ALL TAGS, STRING, PLASTICS AND OTHER MATERIALS THAT ARE UNSIGHTLY OR COULD CAUSE GIRDLING.

> PLANTING MIXTURE: AMEND SOILS PER SITE CONDITIONS AND REQUIREMENTS OF THE PLANT MATERIAL.

SCARIFY SUBGRADE AND PLANTING PIT SIDES. RECOMPACT BASE OF TO 4" DEPTH.

EVERGREEN TREE PLANTING DETAIL

MAINTENANCE NOTES

SECTION 138-12.109 - Maintenance

- The owner of the property shall be responsible for all maintenance of site landscaping, as follows:
- A. Landscaping shall be kept in a neat, orderly and healthy growing condition, free from debris and refuse.
- B. Pruning shall be minimal at the time of installation, only to remove dead or diseased branches. Subsequent pruning shall assure proper maturation of plants to achieve their approved purpose.
- C. All dead, damaged, or diseased plant material shall be removed immediately and replaced within six months after it dies or in the next planting season, whichever occurs first. For purposes of this Section, the planting season for deciduous plants shall be between March 1 and June 1 and from October 1 until the prepared soil becomes frozen. The planting season for evergreen plants shall be between March 1 and June 1. Plant material installed to replace dead or diseased material shall be as close as practical to the size of the material it is intended to replace. The City may notify property owners of the need to replace dead, damaged, or diseased material.
- D. The approved landscape plan shall be considered a permanent record and integral part of the Site Plan Approval. Unless otherwise approved in accordance with the aforementioned procedures, any revisions to or removal of plant materials, or non-compliance with the maintenance requirements of this Section 138-12.109 will place the parcel in non-conformity with the approved landscape plan and be a violation of this ordinance.
- E. If protected trees are damaged, a fine shall be issued on an inch-by-inch basis at a monetary rate as defined by the Forestry Department.

MULCH 3" DEPTH WITH SHREDDED HARDWOOD BARK. NATURAL IN COLOR.

PLANTING MIXTURE: AMEND SOILS PER SITE CONDITIONS AND REQUIREMENTS OF THE PLANT MATERIAL.

REMOVE COLLAR OF ALL FIBER -POTS. POTS SHALL BE CUT TO PROVIDE FOR ROOT GROWTH. REMOVE ALL NONORGANIC CONTAINERS COMPLETELY

MOUND EARTH TO FORM SAUCER

REMOVE ALL NON-BIODEGRADABLE MATERIALS COMPLETELY FROM THE ROOTBALL. FOLD DOWN BURLAP FROM TOP $\frac{1}{3}$ OF THE ROOTBALL

SHRUB PLANTING DETAIL NOT TO SCALE

4"

LANDSCAPE NOTES

- 1. All plants shall be north Midwest American region grown, No. 1 grade plant materials, and shall be true to name, free from physical damage and wind burn.
- 2. Plants shall be full, well-branched, and in healthy vigorous growing condition.
- 3. Plants shall be watered before and after planting is complete 4. All trees must be staked, fertilized and mulched and shall be guaranteed
- to exhibit a normal growth cycle for at least two (2) full years following City approval. 5. All material shall conform to the guidelines established in the most recent
- edition of the American Standard for Nursery Stock. 6. Provide clean backfill soil, using material stockpiled on site. Soil shall be screened and free of any debris, foreign material, and stone.
- "Agriform" tabs or similar slow-release fertilizer shall be added to the planting pits before being backfilled.
- 8. Amended planting mix shall consist of 1/3 screened topsoil, 1/3 sand and 1/3 peat, mixed well and spread to the depth as indicated in planting details. All plantings shall be mulched per planting details located on this sheet.
- 10. The Landscape Contractor shall be responsible for all work shown on the landscape drawings and specifications. 11. No substitutions or changes of location, or plant types shall be made
- without the approval of the Landscape Architect.
- 12. The Landscape Architect shall be notified of any discrepancies between the plans and field conditions prior to installation.
- 13. The Landscape Contractor shall be responsible for maintaining all plant
- material in a vertical condition throughout the guaranteed period. 14. The Landscape Architect shall have the right, at any stage of the installation,
- to reject any work or material that does not meet the requirements of the plans and specifications, if requested by owner. 15. Contractor shall be responsible for checking plant quantities to ensure quantities on drawings and plant list are the same. In the event of a
- discrepancy, the quantities on the plans shall prevail. 16. The Landscape Contractor shall seed and mulch or sod (as indicated on plans)
- all areas disturbed during construction, throughout the contract limits. 17. A pre-emergent weed control agent, "Preen" or equal, shall be applied
- uniformly on top of all mulching in all planting beds. 18. All landscape areas shall be provided with an underground automatic sprinkler system.
- 19. Sod shall be two year old "Baron/Cheriadelphi" Kentucky Blue Grass grown in a sod nursery on loam soil.

ADDITIONAL NOTES

- 1. All Landscaped Areas Shall be Irrigated with an Automatic, Underground System. 2. Islands Shall be Sod. 3. Owner Shall be Responsible for Replacing Damaged
- Plant Material Due to Utility Maintenance. 4. Prior to the release of the Performance Bond, the City of Rochester Hills Forestry
- Division needs to inspect all trees, existing or planted, to identify any that pose a hazard to the safe use of the public right-of-way. Forestry may require the developer to remove and possibly replace, any such trees. 5. These requirements are incorparated into the plan.
- 6. Prior approval is required to plant any tree or shrub on the public right-of-way. All trees and shrubs must be planted 10' from the edge of the public road. (Trees must be planted at least 15' away from the curb or road edge where the speed limit is more than 35 mph). Shade trees and shrubs must be planted at least 5' from the edge of the public walkway. Evergreen and ornamental trees must be planted at least 10' from the edge of the public walkway. No trees or shrubs may be planted within the triangular area formed at the intersection of any street right-of-way at a distance along each line of 25' from their point intersection. No trees or shrubs may be planted within the triangular area formed at the intersection of any driveway with a public walkway at a distance along each line of 15' from their point of intersection. All trees and shrubs must be planted at least 10' from any fire hydrant. Shade and evergreen trees must be at least 15' away from the nearest overhead wire. Trees must be planted a minimum of 5' from an underground utility, unless the City's Landscape Architect requires a greater distance.
- 7. No substitutions or changes of location or plant types shall be made without the approval of the developer and the City of Rochester Hills Landscape Architect. City's Landscape Architect has Final Right of Approval for the the Release of the Performance and Maintenance Bonds.
- 8. The developer and/or the City of Rochester Hills Landscape Architect shall have the right, at any stage of the installation, to reject any work or material that does not meet the requirements of the plans or specifications.
- 9. Replacement trees may not be planted within the drip line of existing trees.
- 10. Trees may not be planted within 4' of any property line. 11. Irrigation Shall Only Occur Between the Hours of 12am and 5 am
- in Accordance with the City's Watering Ordinances.
- 12. Irrigation overspray shall not broadcast onto the City pathways.

NOTE: TREE SHALL BEAR SAME **RELATION TO FINISH GRADE AS** IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 4" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.

PRUNE ONLY DEAD OR BROKEN BRANCHES.

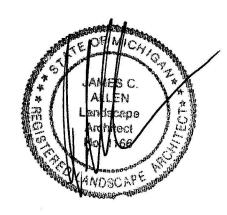
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> SCARIFY SUBGRADE AND PLANTING PIT SIDES. RECOMPACT BASE OF TO 4" DEPTH.



LAND PLANNING / LANDSCAPE ARCH 557 CARPENTER • NORTHVILLE, MI 48167 248 467 4668 • Fax 248 349 0559 Email: jca@wideopenwest.com

Seal:



Title: Landscape Details

Project:

The Groves Rochester Hills, Michigan

Prepared for:

Pulte Group 2800 Livernois Road, Building D, Suite 320 Troy, MI 48083

Revision: Submission

Revised

Issued: April 15, 2020 May 11, 2020

Job Number: 20-021

Drawn By: Checked By: ica jca





LEGAL DESCRIPTION

LEGAL DESCRIPTION - AS SURVEYED A PARCEL OF LAND LOCATED IN THE WEST 1/2 OF THE SOUTHEAST 1/4 AND PART OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SECTION 15, T3N-R11E, CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 15, THENCE DUE WEST, ALONG THE SOUTH LINE OF SAID SECTION 15 AND THE CENTERLINE OF AVON ROAD, 2794.58 FEET TO THE SOUTH 1/4 CORNER OF SAID SECTION 15; THENCE NORTH 03°26'11" EAST 60.11 FEET ALONG THE NORTH-SOUTH 1/4 LINE TO THE POINT OF BEGINNING AND THE NORTH LINE OF SAID AVON ROAD, 60 FOOT HALF WIDTH; THENCE, ALON THE NORTH LINE OF SAID AVON ROAD, NORTH 89°47'56" WEST 1313.10 FEET AND NORTH 88°26'03" WEST 391.01 FEET TO SOUTHEASTERLY LINE OF THE CLINTON RIVER "TRAIL" (FORMALLY KNOWN AS THE GRAND TRUNK WESTERN RAILROAD); THENCE, ALONG THE SOUTHEASTERLY LINE OF SAID "TRAIL", NORTH 42'34'57" EAST 252.70 FEET; THENCE CONTINUING ALONG THE SOUTHEASTERLY LINE OF SAID "TRAIL", NORTHEASTERLY 797.44 FEET ON THE ARC OF A 5524.16 FOOT RADIUS CURVE TO THE RIGHT, WITH A DELTA ANGLE OF 08'16'15" AND CHORD BEARING AND DISTANCE OF NORTH 46°42'59" EAST 796.75 FEET; THENCE, CONTINUING ALONG TH SOUTHEASTERLY LINE OF SAID "TRAIL", NORTH 50°51'00" EAST 1021.05 TO THE SOUTH LINE OF THE NORTHEAST 1/4 OF THE 1/4 OF SAID SECTION 15; THENCE, ALONG SAID SOUTH LINE, NORTH 89'38'14" EAST 244.84 FEET TO THE EAST 1/8 CORNER OF THE SOUTHWEST 1/4 OF SAID SECTION 15; THENCE, ALONG THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 15, NORTH 89'45'33" EAST 27 FEET, MORE OR LESS, TO A POINT ON THE CENTER OF THE CLINTON RIVER; THENCE FOLLOWING ALONG THE CENTER OF THE CLINTON RIVER IN MEANDERING DIRECTIONS, BUT GENERALLY NORTHEASTERLY, A DISTANCE OF MORE OR LESS. DOWNSTREAM: THENCE LEAVING THE CENTER OF THE CLINTON RIVER. SOUTH 59'41'28" EAS THENCE SOUTH 22°04'32" EAST 226.40 FEET; THENCE SOUTH 71°53'04" EAST 609.74 FEET; THENCE SOUTH 02°10'13 THENCE SOUTH 01°51'27" WEST 623.78 FEET TO THE NORTHEAST CORNER OF THE ROCHESTER CHURCH OF CHRIST PARCEL AS SURVEYED BY BUCKERFIELD ENGINEERING, RECORDED IN LIBER 10030, PAGES 313 & 314, OAKLAND COUNTY RECORDS; THENCE ALONG NORTHERLY AND WESTERLY BOUNDARY OF SAID CHURCH PARCEL, DUE WEST 393.37 FEET; THENCE SOUTH 01'40'04" WEST 287.19 FEET THENCE DUE WEST 2.50 FEET; THENCE SOUTH 01*40'04" WEST 539.97 FEET TO THE NORTH LINE OF SAID AVON ROAD; SAID NORTH LINE, DUE WEST 39.55 FEET; THENCE NORTH 01°40'04" EAST 213.09 FEET; THENCE DUE WEST 212.24 FEET; THENCE DUE SOUTH 213.00 FEET TO THE NORTH LINE OF SAID AVON ROAD; THENCE, ALONG SAID NORTH LINE, DUE WEST 753.34 FEET TO THE POINT OF BEGINNING. SAID PARCEL CONTAINS 76.26 ACRES OF LAND AND IS SUBJECT TO ANY AND ALL EASEMENTS AND RESTRICTIONS WHICH MAY OR MAY NOT BE OF RECORD.

LEGAL DESCRIPTION OF PROPOSED SPLIT PARCEL (THE GROVES):

A PARCEL OF LAND LOCATED IN THE SOUTHEAST 1/4 OF SECTION 15, T3N-R11E, CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 15, THENCE, ALONG THE SOUTH LINE OF SAID SECTION 15, DUE WEST 1793.79 FEET; THENCE NORTH 01°40'04" EAST, 600.00 FEET; THENCE DUE EAST, 2.50 FEET THENCE NORTH 01°40'04" EAST, 272.83 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 53°54'10" WEST. 179.32 FEET: 36'05'50" WEST, 60.00 FEET; THENCE NORTH 53'54'10" EAST, 81.99 FEET; THENCE NORTH 52'53'14" WEST, 202.49 FEET; THENCE NORTH 28*45'21" EAST, 508.13 FEET; THENCE NORTH 57*20'54" EAST, 128.22 FEET; THENCE SOUTH 88*21'57" EAST, 336.59 FEET; THENCE SOUTH 01°51'27" WEST, 604.32 FEET; THENCE DUE WEST, 393.37 FEET; THENCE SOUTH 01°40'04" WEST, 14.36 FEET TO THE POINT OF BEGINNING. SAID PARCEL CONTAINS 7.90 ACRES OF LAND

LEGAL DESCRIPTION OF PROPOSED REMAINDER PARCEL

A PARCEL OF LAND LOCATED IN THE WEST 1/2 OF THE SOUTHEAST 1/4 AND PART OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SECTION 15, T3N-R11E, CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 15, THENCE DUE WEST, ALONG THE SOUTH LINE OF SAID SECTION 15 AND THE CENTERLINE OF AVON ROAD, 2794.58 FEET TO THE SOUTH 1/4 CORNER OF SAID SECTION 15; THENCE NORTH 03°26'11" EAST 60.11 FEET ALONG TH NORTH-SOUTH 1/4 LINE TO THE POINT OF BEGINNING AND THE NORTH LINE OF SAID AVON ROAD, 60 FOOT HALF WIDTH; THE NORTH LINE OF SAID AVON ROAD, NORTH 89°47'56" WEST 1313.10 FEET AND NORTH 88'26'03" WEST 391.01 FEET TC SOUTHEASTERLY LINE OF THE CLINTON RIVER "TRAIL" (FORMALLY KNOWN AS THE GRAND TRUNK WESTERN RAILROAD); THENCE, THE SOUTHEASTERLY LINE OF SAID "TRAIL", NORTH 42°34'57" EAST 252.70 FEET; THENCE CONTINUING ALONG THE SOUTHEASTERLY LINE OF SAID "TRAIL", NORTHEASTERLY 797.44 FEET ON THE ARC OF A 5524.16 FOOT RADIUS CURVE TO THE RIGHT, WITH A DELTA ANGLE OF 08'16'15" AND CHORD BEARING AND DISTANCE OF NORTH 46'42'59" EAST 796.75 FEET; THENCE, CONTINUING ALONG SOUTHEASTERLY LINE OF SAID "TRAIL", NORTH 50°51'00" EAST 1021.05 TO THE SOUTH LINE OF THE NORTHEAST 1/4 OF THE 1/4 OF SAID SECTION 15; THENCE, ALONG SAID SOUTH LINE, NORTH 89°38'14" EAST 244.84 FEET TO THE EAST 1/8 CORNER OF THE SOUTHWEST 1/4 OF SAID SECTION 15' THENCE ALONG THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 15. NORTH 89°45'33" FAST 27 FEET. MORE OR LESS. TO A POINT ON THE CENTER OF THE CLINTON RIVER: THENCE FOLLOWING ALONG THE CENTER OF THE CLINTON RIVER IN MEANDERING DIRECTIONS, BUT GENERALLY NORTHEASTERLY, A DISTANCE OF 1740 FEET, MORE OR LESS, DOWNSTREAM; THENCE LEAVING THE CENTER OF THE CLINTON RIVER, SOUTH 59*41'28" EAST 25 THENCE SOUTH 22'04'32" EAST 226.40 FEET; THENCE SOUTH 71'53'04" EAST 609.74 FEET; THENCE SOUTH 02'10'13" WEST THENCE SOUTH 01°51'27" WEST 19.46 FEET; THENCE NORTH 88°21'57" WEST 336.59 FEET; THENCE SOUTH 57°20'54" WEST 128.22 FEET; THENCE SOUTH 28°45'21" WEST 508.13 FEET; SOUTH 52°53'14" EAST 202.49 FEET; THENCE SOUTH 53°54'10" SOUTH 36'05'50" FAST 60.00 FEFT: THENCE NORTH 53'54'10" FAST 179.32 FEFT TO A POINT ON THE WEST BOUNDARY OF ROCHESTER CHURCH OF CHRIST PARCEL AS SURVEYED BY BUCKERFIELD ENGINEERING, RECORDED IN LIBER 10030, PAGES 313 & 314, OAKLAND COUNTY RECORDS: THENCE, ALONG SAID WEST BOUNDARY LINE, SOUTH 01*40'04" WEST 272.83 FEET: THENCE DUE WEST 2.50 THENCE SOUTH 01°40'04" WEST 539.97 FEET TO THE NORTH LINE OF SAID AVON ROAD; THENCE, ALONG SAID NORTH LINE, DUE FEET: WEST 39.55 FEET: THENCE NORTH 01'40'04" EAST 213.09 FEET: THENCE DUE WEST 212.24 FEET: THENCE DUE SOUTH 213.00 FEET TO THE NORTH LINE OF SAID AVON ROAD; THENCE, ALONG SAID NORTH LINE, DUE WEST 753.34 FEET TO THE POINT OF BEGINNING. SAID PARCEL CONTAINS 68.36 ACRES OF LAND AND IS SUBJECT TO ANY AND ALL EASEMENTS AND RESTRICTIONS WHICH MAY OR MAY NOT BE OF RECORD.

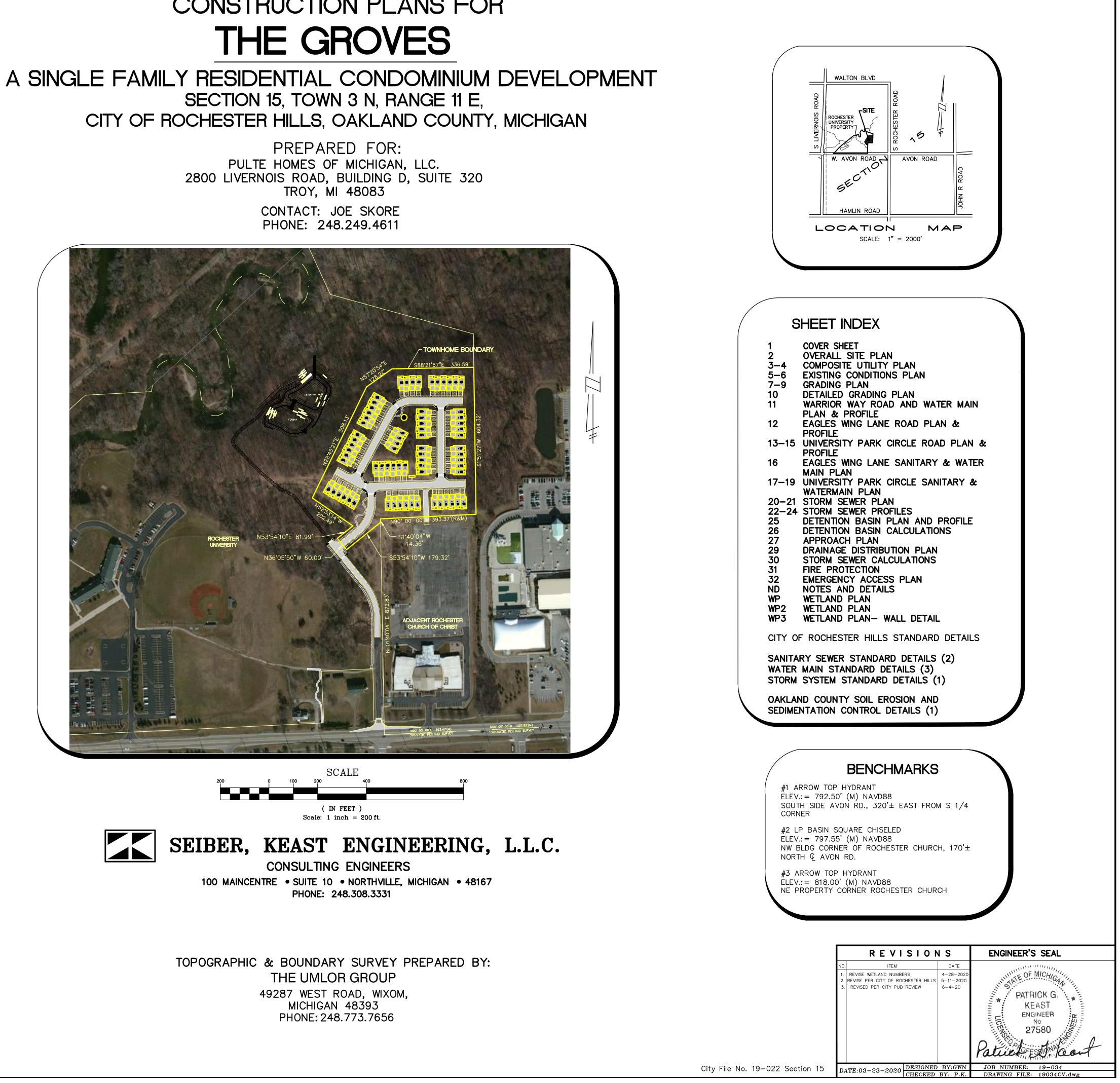
GENERAL NOTES

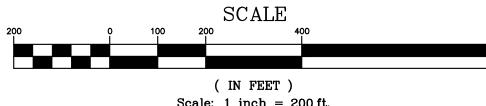
- 1. NOTIFY THE CITY OF ROCHESTER HILLS ENGINEERING DEPARTMENT AT (248) 656-4640 A MIN. OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 2. ALL CONSTRUCTION MUST CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS ADOPTED BY THE CITY OF ROCHESTER
- 3. CALL 811 ONE-CALL UTILITY LOCATING A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL SOIL EROSION AND SILTATION MUST BE CONTROLLED AND CONTAINED ON-SITE. A SOIL EROSION CONTROL PERMIT MUST BE OBTAINED FROM THE OAKLAND COUNTY WATER RESOURCE COMMISSION PRIOR TO THE START OF CONSTRUCTION.
- 5. ALL EXCAVATION UNDER OR WITHIN 1 ON 1 INFLUENCE OF ANY PAVEMENT, EXISTING OR PROPOSED, OR WHERE SAND BACKFILL IS CALLED FOR ON THE PLAN, SHALL BE BACKFILLED AND COMPACTED WITH GRANULAR MATERIAL (SAND) MDOT CLASS II TO 95 PERCENT MAXIMUM UNIT DENSITY (ALL OTHERS 90 PERCENT).
- 6. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AND FACILITIES. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT THE PROPOSED UTILITY CROSSINGS PRIOR TO THE START OF UNDERGROUND CONSTRUCTION. ANY CONFLICTS WITH UTILITIES SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER.
- 7. WHERE TWO UTILITIES CROSS, INCLUDING SANITARY SEWER LEADS, PROVIDE POROUS GRADE "B" BACKFILL MATERIAL COMPACTED TO THE UNDERSIDE OF THE HIGHER UTILITY OR AS SPECIFIED ON THE DETAIL SHEET.
- 8. DUST CONTROL SHALL BE MAINTAINED AT ALL TIMES.
- 9. ANY MUD TRACKED ONTO AVON ROAD AND WARRIOR WAY DRIVE SHALL BE REMOVED DAILY.
- 10. A ROAD COMMISSION FOR OAKLAND COUNTY RIGHT-OF-WAY PERMIT IS REQUIRED FOR WORK WITHIN THE PUBLIC ROAD RIGHT-OF-WAY OF AVON ROAD.
- 11. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, INVERTS AND GRADES PRIOR TO THE START OF ANY WORK.
- 12. ALL PAVEMENT MARKINGS, TRAFFIC CONTROL SIGNS AND PARKING SIGNS SHALL COMPLY WITH THE DESIGN AND PLACEMENT REQUIREMENTS OF THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 13. THE PROPOSED PRIVATE ROADS (UNIVERSITY PARK CIRCLE, EAGLES WING WAY AND WARRIOR WAY) ARE NOT BEING CONSTRUCTED TO CITY PUBLIC ROAD STANDARD'S, AND THEREFORE, CANNOT BE CONVEYED TO THE CITY AS PUBLIC ROADS IN THE FUTURE. 14. RETAINING WALLS SHALL COMPLY WITH SECTION R404.1.1 SIGNED AND SEALED ENGINEERING DRAWINGS ARE REQUIRED FOR ANY RETAINING WALL THAT FALLS WITHIN THE NOTED DESIGN REQUIREMENTS.
- 15. EXISTING PATHWAY RAMPS AT THE AVON ROAD APPROACH SHALL BE UPGRADED TO CURRENT ADA STANDARDS.
- 16. DETECTABLE WARNING PLATES FOR ADA RAMPS SHALL BE CAST-IN-PLACE AND BRICK RED IN COLOR. ACCEPTABLE PRODUCTS INCLUDE ASA SOLUTIONS, ARMOR TILE, EJ OR EQUIL.
- 17. SIDEWALKS INTERSECTING THE PATHWAY WILL BE CONSTRUCTED TO MEET ADA REQUIREMENTS.

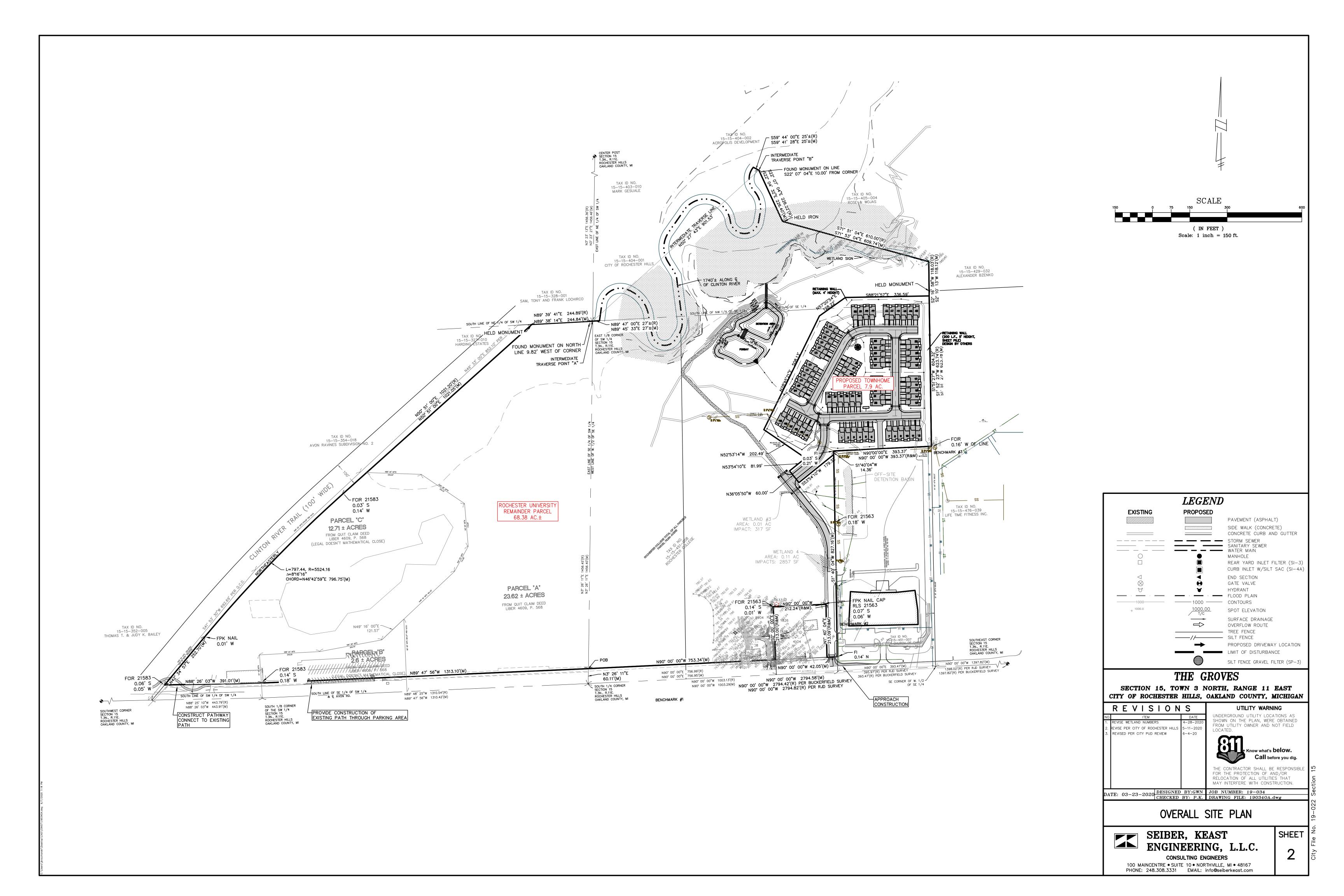
CONSTRUCTION PLANS FOR THE GROVES

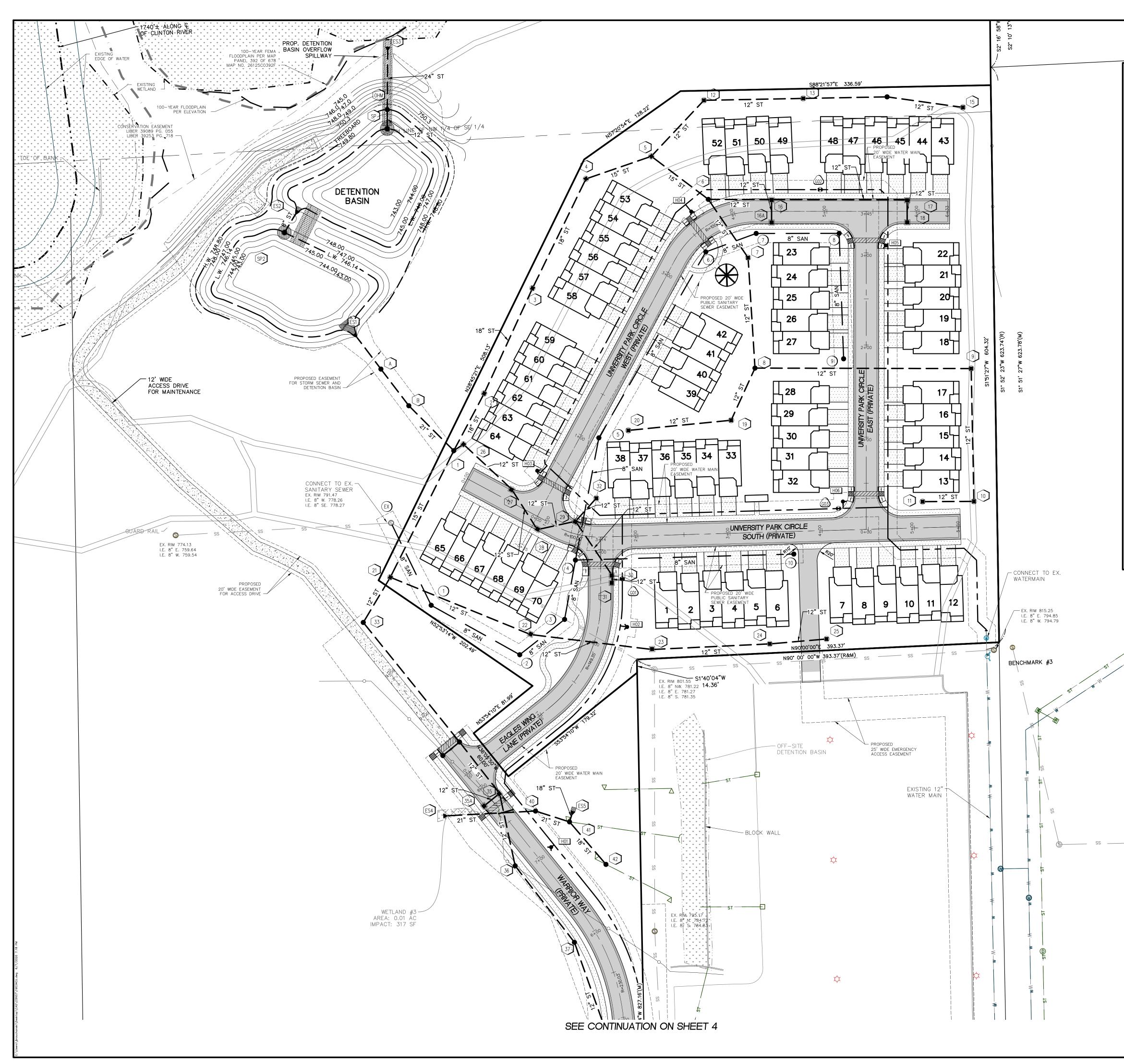
SECTION 15, TOWN 3 N, RANGE 11 E,

PREPARED FOR: PULTE HOMES OF MICHIGAN, LLC. TROY, MI 48083









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1 AMERGENCIPSCORP Control				= 2.44 people/unit x 70 units
1 1	1 ASPHALT PAVEMENT (9" ON 8")	474		AVERAGE FLOW
	2 30" MDOT B-2 CURB	236	L.F.	= 17,080 gal/day
				PEAK FACTOR
	1 6' WIDE CONCRETE SIDEWALK	27,516		= 4.17 (28,400 > Pop > 500)
	2 8' WIDE ASPHALT PATHWAY	277	S.Y.	PEAK FLOW
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NO. ITEM DATE 1. REVISE WELLAND NUMBERS	SS SS SS			
1. REVISE WEILAND NUMBERS 4-28-2020 2. REVISE PER CITY OF ROCHESTER HILLS 5-11-2020 3. REVISED PER CITY PUD REVIEW 6-4-20 4. 6-4-20 From within the PLAN, were obtained in th				
3. REVISED PER CITY PUD REVIEW 6-4-20 LUCATED. 3. REVISED PER CITY PUD REVIEW 6-4-20 Image: Construction of the construction. DATE: 03-23-2020 DESIGNED BY: GWN JOB NUMBER: 19-034 The construction. DATE: 03-23-2020 DESIGNED BY: GWN JOB NUMBER: 19-034 The construction. COMPOSITE UTILITY PLAN COMPOSITE UTILITY PLAN SEIBER, KEAST ENGINEERING, L.L.C SHEET ON MAINCENTRE - SUITE 10 - NORTHVILLE, MI + 48167 3				Indext Date 1. REVISE WETLAND NUMBERS 4-28-2020 SHOWN ON THE PLAN, WERE OBTAINED FROM UTULITY OWNER AND NOT FIELD
DATE: 03-23-2020 DESIGNED BY:GWN CHECKED BY: P.K. JOB NUMBER: 19-034 JOB NUMBER: 19-034 DATE: 03-23-2020 DESIGNED BY: P.K. CHECKED BY: P.K. JOB NUMBER: 19-034 JOB NUMBER: 19034CU.dwg COMPOSITE UTILITY PLAN COMPOSITE UTILITY PLAN SEIBER, KEAST ENGINEERING, L.L.C. CONSULTING ENGINEERS 100 MAINCENTRE • SUITE 10 • NORTHVILLE, MI • 48167 SHEET				LUCATED.
DATE: 03-23-2020 DESIGNED BY:GWN CHECKED BY: P.K. JOB NUMBER: 19-034 JOB NUMBER: 19-034 CHECKED BY: P.K. JOB NUMBER: 19-034 JOB NUMBER: 19-034 CHECKED BY: P.K. JOB NUMBER: 19-034 DATE: 19034CU.dwg COMPOSITE UTILITY PLAN COMPOSITE UTILITY PLAN SHEET SEIBER, KEAST ENGINEERING, L.L.C. CONSULTING ENGINEERS 100 MAINCENTRE • SUITE 10 • NORTHVILLE, MI • 48167 SHEET				• Know what's below.
POR THE PROTECTION OF AND/OR RELOCATION OF ALL UTILITES THAT MAY INTERFERE WITH CONSTRUCTION. DATE: 03-23-2020 DESIGNED BY:GWN JOB NUMBER: 19-034 CHECKED BY: P.K. DRAWING FILE: 19034CU.dwg COMPOSITE UTILITY PLAN SEIBER, KEAST ENGINEERING, L.L.C. CONSULTING ENGINEERS 100 MAINCENTRE • SUITE 10 • NORTHVILLE, MI • 48167				
RELOCATION OF ALL UTILITIES THAT MAY INTERFERE WITH CONSTRUCTION. DATE: 03-23-2020 DESIGNED BY: GWN JOB NUMBER: 19-034 CHECKED BY: P.K. DRAWING FILE: 19034CU.dwg COMPOSITE UTILITY PLAN SEIBER, KEAST ENGINEERING, L.L.C. CONSULTING ENGINEERS 100 MAINCENTRE • SUITE 10 • NORTHVILLE, MI • 48167				FOR THE PROTECTION OF AND/OR
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SEIBER, KEAST ENGINEERING, L.L.C. CONSULTING ENGINEERS SHEET 100 MAINCENTRE • SUITE 10 • NORTHVILLE, MI • 48167 3				DATE: 03-23-2020 DESIGNED BY:GWN JOB NUMBER: 19-034 CHECKED BY: P.K. DRAWING FILE: 19034CU.dwg
ENGINEERING, L.L.C. CONSULTING ENGINEERS 100 MAINCENTRE • SUITE 10 • NORTHVILLE, MI • 48167 3				COMPOSITE UTILITY PLAN
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CONSULTING ENGINEERS 3 100 MAINCENTRE • SUITE 10 • NORTHVILLE, MI • 48167				ENGINEERING LLC
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