PRELIMINARY SITE PLANS FOR

HILLSIDE ROCHESTER HILLS

PART OF THE NW 1/4 OF SECTION 30, T. 03 N., R. 11 E.,

CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

OWNER:

HILLSIDE INVESTMENTS
39475 THIRTEEN MILE ROAD, SUITE 203
NOVI, MI 48377
CONTACT: DAVID HARDIN
PHONE: (248) 904-5724
EMAIL: DAVID@HILLSIDE-INVESTMENTS.COM

ARCHITECTS:

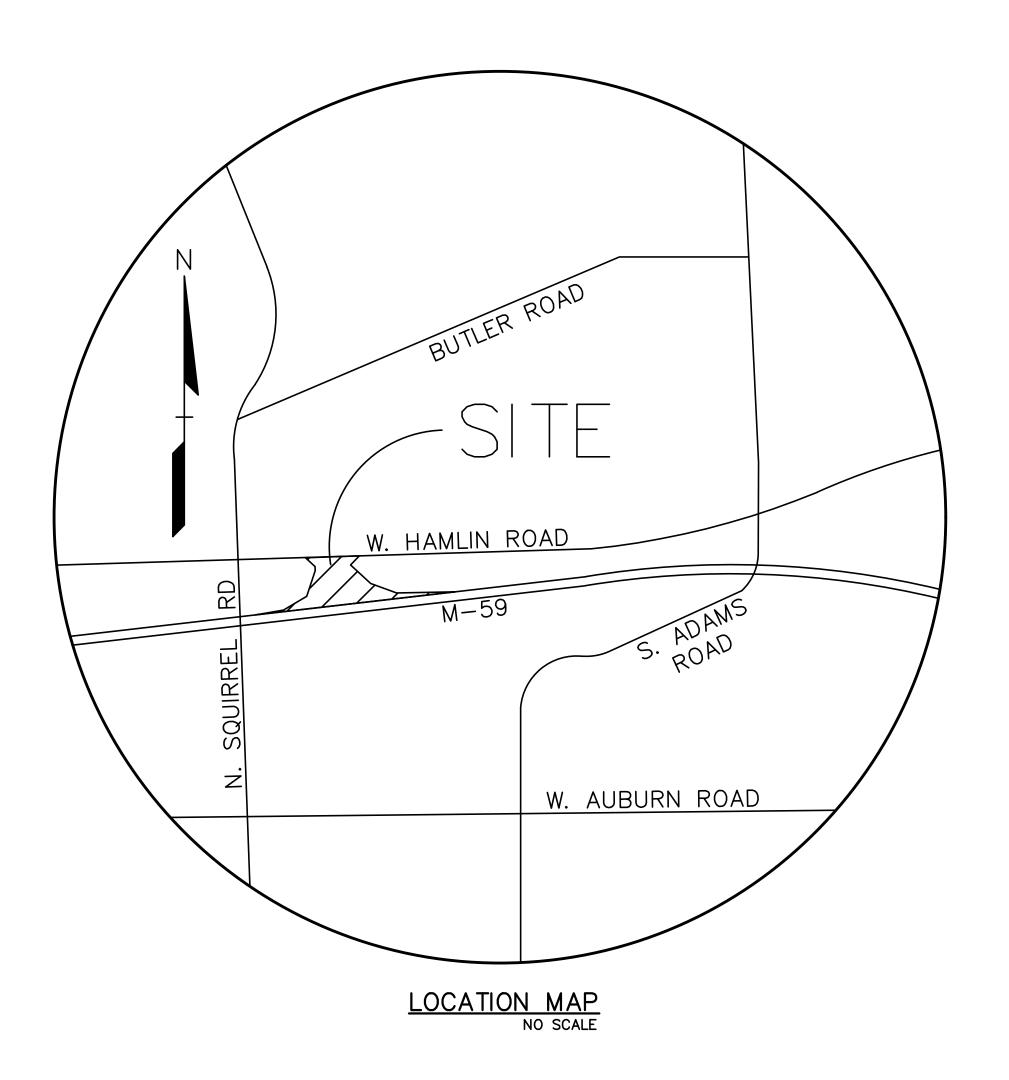
FAUDIE ARCHITECTS
26261 EVERGREEN RD, SUITE 123
SOUTHFIELD, MI 48076
CONTACT: BRIAN LIMING
PHONE: (248) 619-2354
EMAIL: BLIMING@FAUDIEARCHITECTURE.COM

CIVIL ENGINEER:

PEA, INC.
2430 ROCHESTER CT, SUITE 100
TROY, MI 48083
CONTACT: JAMES P. BUTLER, P.E.
PHONE: (248) 689-9090 EXT. 133
EMAIL: JBUTLER@PEAINC.COM

LANDSCAPE ARCHITECT:

PEA, INC.
7927 NEMCO WAY, SUITE 115
BRIGHTON, MI 48116
CONTACT: JAMES GOFF, PLA
PHONE: (517) 546-8583
EMAIL: JGOFF@PEAINC.COM



INDEX OF DRAWINGS:

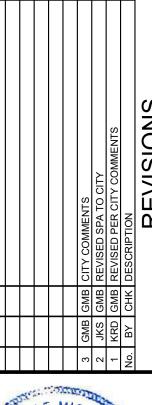
COVER SHEET TOPOGRAPHIC SURVEY OVERALL SITE PLAN DIMENSION AND PAVING PLAN FIRE PROTECTION PLAN PRELIMINARY GRADING PLAN PRELIMINARY UTILITY PLAN NOTES AND DETAILS NOTES AND DETAILS PRELIMINARY LANDSCAPE PLAN LANDSCAPE DETAILS L-1.1 TREE SURVEY PLAN T-1.0EXISTING TREE LIST T-1.1EXISTING TREE LIST SL-1.0 PHOTOMETRIC PLAN SL-1.1 PHOTOMETRIC DETAILS

ARCHITECTURAL PLANS:

BASE OPTION: (NO UNDERGROUND PARKING)
PFP-6A PROPOSED FIRST FLOOR PLAN
PFP-6B PROPOSED SECOND/THIRD FLOOR PLAN
PE-7 PROPOSED ELEVATION PLAN

LAND BANKED OPTION: (WITH UNDERGROUND PARKING)
PFP-5A PROPOSED PARKING DECK PLAN

PFP-5B PROPOSED FLOOR PLAN
PE-9 PROPOSED ELEVATION PLAN





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JOVI, MI 48377

VER SHEET

OCHESTER HILLS
14 OF SECTION 30, T. 03 N., R. 11 E.,

COVER SHEET

HILLSIDE ROCHESTE

PART OF THE NW 1/4 OF SECTION 30, T.

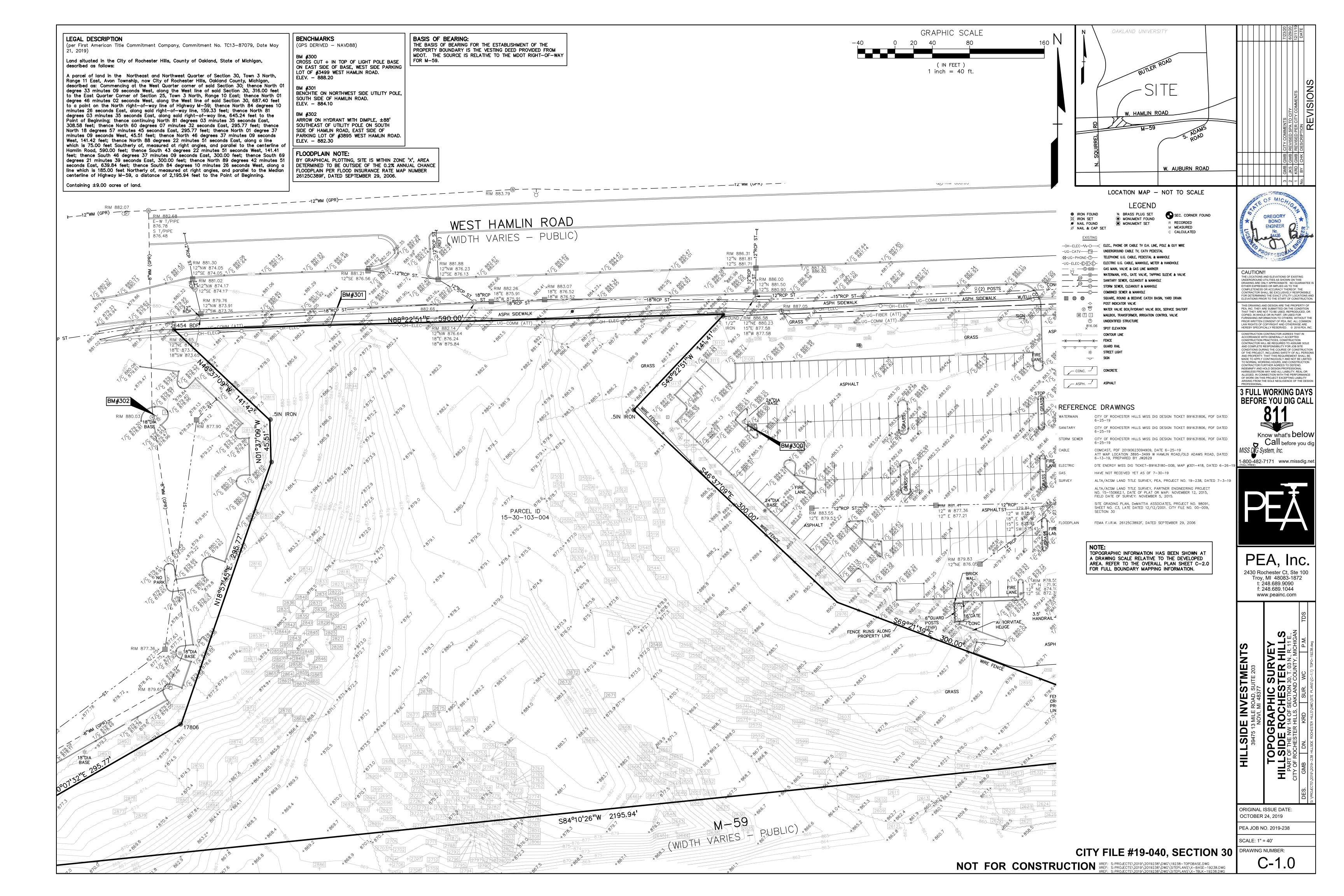
SITY OF ROCHESTER HILLS, OAKLAND COU

ORIGINAL ISSUE DATE: OCTOBER 24, 2019

PEA JOB NO. 2019-238

SCALE: N.T.S.
DRAWING NUMBER:

C-0.0



FIRE DEPARTMENT NOTES: BENCHMARKS LEGAL DESCRIPTION SITE DATA TABLE: **GENERAL NOTES:** (per First American Title Commitment Company, Commitment No. TC13-87079, Date May (GPS DERIVED - NAVD88) FIRE LANES SHALL BE CONSPICUOUSLY POSTED ON BOTH SIDES OF THE SITE AREA: 9.00 ACRES (392,207 SF) NET AND GROSS THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT. FIRE LANE, WITH FIRE LANE SIGNS SPACED NOTMORE THAT 100 FEET DEVELOPED AREA = 7.94 ACRES APART, FIRE LANE SIGNS SHALL READ "NO STOPPING, STANDING, ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, Land situated in the City of Rochester Hills, County of Oakland, State of Michigan, CROSS CUT + IN TOP OF LIGHT POLE BASE PARKING, FIRE LANE"; AND IN CONFORMANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. FIRE PREVENTION described as follows: OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF ON EAST SIDE OF BASE, WEST SIDE PARKING ORT, OFFICE, RESEARCH & TECHNOLOGY MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE LOT OF #3499 WEST HAMLIN ROAD. NORTH: R-2, ONE-FAMILY RESIDENTIAL EAST: ORT, OFFICE, RESEARCH & TECHNOLOGY A parcel of land in the Northeast and Northwest Quarter of Section 30, Town 3 North, ORDINANCE CHAPTER 58, SECTION 503. ELEV. - 888.20 Range 11 East, Avon Township, now City of Rochester Hills, Oakland County, Michigan, described as: Commencing at the West Quarter corner of said Section 30; thence North 01 ORT, OFFICE, RESEARCH & TECHNOLOGY CONSTRUCTION SITES SHALL BE SAFEGUARDED IN ACCORDANCE WITH IFC ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF ROCHESTER degree 33 minutes 09 seconds West, along the West line of said Section 30, 316.00 feet to the East Quarter Corner of Section 25, Town 3 North, Range 10 East; thence North 01 HILLS CURRENT STANDARDS AND REGULATIONS. BENCHTIE ON NORTHWEST SIDE UTILITY POLE, PROPOSED USE: OFFICE (150,000 SF) SOUTH SIDE OF HAMILIN ROAD. OPEN BURNING IS NOT PERMITTED, INCLUDING THE BURNING OF TRASH, degree 46 minutes 02 seconds West, along the West line of said Section 30, 687.40 feet THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AND/OR THE ELEV. - 884.10 DEBRIS, OR LAND CLEARING MATERIALS. OPEN BURNING FOR WARMING to a point on the North right-of-way line of Highway M-59; thence North 84 degrees 10 **BUILDING INFORMATION:** AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE minutes 26 seconds East, along said right-of-way line, 159.33 feet; thence North 81 degrees 03 minutes 35 seconds East, along said right-of-way line, 645.24 feet to the Point of Beginning; thence continuing North 81 degrees 03 minutes 35 seconds East, 77.05 feet to the Point of Beginning; thence continuing North 81 degrees 03 minutes 35 seconds East, 77.05 feet to the Point of Beginning; thence to the Point of Beginning; thence to the Point of Beginning; thence to the Point of Beginning; the Beginni OF SAND AND /OR WATER FOR THE PREPARATION OF MORTAR SHALL MAXIMUM ALLOWABLE BUILDING HEIGHT = 40' (3 STORIES) BEGINNING OF CONSTRUCTION. BM #302 BE WITHIN CITY OF ROCHESTER HILLS BURN PERMIT GUIDELINES. PROPOSED BUILDING HEIGHT = 61'-0" (4 STORIES)* ARROW ON HYDRANT WITH DIMPLE, ±88' CONTACT ROCHESTER HILLS FIRE DEPARTMENT FOR PERMIT ANY WORK WITHIN THE STREET OR HIGHWAY RIGHT-OF-WAYS SHALL BE SOUTHEAST OF UTILITY POLE ON SOUTH 308.58 feet; thence North 60 degrees 07 minutes 32 seconds East, 295.77 feet; thence INFORMATION. FIRE PREVENTION ORDINANCE CHAPTER 58, SECTION PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AGENCIES *PER SECTION 138-5.100(V), APPLICANT IS REQUESTING A HEIGHT North 18 degrees 57 minutes 45 seconds East, 295.77 feet; thence North 01 degree 37 SIDE OF HAMLIN ROAD, EAST SIDE OF HAVING JURISDICTION AND SHALL NOT BEGIN UNTIL ALL NECESSARY MODIFICATION FROM THE PLANNING COMMISSION TO EXCEED THE minutes 09 seconds West, 45.51 feet; thence North 46 degrees 37 minutes 09 seconds PARKING LOT OF #3895 WEST HAMLIN ROAD. PERMITS HAVE BEEN ISSUED FOR THE WORK. MAXIMUM HEIGHT OF 40 FEET. West, 141.42 feet; thence North 88 degrees 22 minutes 51 seconds East, along a line A KNOX KEY SYSTEM SHALL BE INSTALLED AT THE BUILDING IN A ELEV. - 882.30 which is 75.00 feet Southerly of, measured at right angles, and parallel to the centerline of Hamlin Road, 590.00 feet; thence South 43 degrees 22 minutes 51 seconds West, 141.41 LOCATION APPROVED BY THE FIRE CODE OFFICIAL. ORDERING ALL SIGNS MUST MEET SECTION 138-8.603 AND CHAPTER 134 OF THE PROVIDED 288.47' **SETBACK REQUIREMENTS:** INFORMATION IS AVAILABLE KNOXBOX.COM. CITY CODE OF ORDINANCES AND BE APPROVED UNDER A SEPARATE FRONT SETBACK (NORTH): FLOODPLAIN NOTE: feet; thence South 46 degrees 37 minutes 09 seconds East, 300.00 feet; thence South 69 PERMIT ISSUED BY THE BUILDING DEPARTMENT. SIDE SETBACK (EAST): 127.20**'** BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE 'X', AREA degrees 21 minutes 39 seconds East, 300.00 feet; thence North 89 degrees 42 minutes 51 SIDE SETBACK (WEST): 57.08 seconds East, 639.84 feet; thence South 84 degrees 10 minutes 26 seconds West, along a DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE line which is 185.00 feet Northerly of, measured at right angles, and parallel to the Median centerline of Highway M-59, a distance of 2,195.94 feet to the Point of Beginning. REAR SETBACK (SOUTH): 102.35 FLOODPLAIN PER FLOOD INSURANCE RATE MAP NUMBER SEE SHEET C-2.1 FOR DETAILED SITE PLAN INFORMATION. PARKING SETBACK 10.00**'** 26125C389F, DATED SEPTEMBER 29, 2006. PARKING CALCULATIONS:
OFFICE = 1 SPACE PER 350 SF FLOOR AREA Containing ±9.00 acres of land. GRAPHIC SCALE BASIS OF BEARING: PARKING REQUIRED = 150,000 / 350 THE BASIS OF BEARING FOR THE ESTABLISHMENT OF THE = 428.57 ~ 429 SPACES PROPERTY BOUNDARY IS THE VESTING DEED PROVIDED FROM MDOT. THE SOURCE IS RELATIVE TO THE MDOT RIGHT-OF-WAY PARKING PROVIDED = 486 SURFACE SPACES = 126 LANDBANKED SPACES (UG PARKING) = 612 SPACES (IN FEET) 1 inch = 80 ft.Ø NAIL & CAP SET ADA PARKING REQUIRED: 5 + 2% OF TOTAL PARKING PROVIDED $= 5 + [(486+126) * 0.02] = 17.24 \sim 17 \text{ SPACES}$ ADA PARKING PROVIDED: 15 SPACES (SURFACE) AND 5 SPACES (UG PARKING) SANITARY SEWER, CLEANOUT & MANHOLE — – — STORM SEWER, CLEANOUT & MANHOLE POST INDICATOR VALVE UNIDENTIFIED STRUCTURE SPOT ELEVATION GUARD RAIL ZONED R-2 STREET LIGHT "ONE-FAMILY RESIDENTIAL" DISTRICT CONC. -∕— ASPH. —∕ WEST HAMLIN ROAD (WIDTH VARIES - PUBLIC) REFERENCE DRAWINGS 3103 +(\$102) + \$100 | \$099) + \$2090 PROPOSED PROPERTY LINE AGREEMENT WITH HINEIGHBORING OWNER. SURVEYED BOUNDARY TO BE REMOVED IN PARCEL AGREEMENT WITH NEIGHBORING OWNER. ZONED ORT
"OFFICE, RESEARCH & ZONED ORT
"OFFICE, RESEARCH & ECHNOLOGY" DISTRICT CHNOLOGY" DISTRICT PARKING SPACES, TYP. ZONED ORT
"OFFICE, RESEARCH & TECHNOLOGY" DISTRICT PROPOSED BUILDING 3 STORIES 150,000 S.F. N89°42'51"E 639.84 UNDERGROUND PARKING GARAGE WITH ENTRANCE. (WIDTH VARIES + PUBLIC)

East 1/4 Corner
Section 25 Township 03

West 1/4 Corner
Section 30 Township 03
North Range 11 East

North Range 10 East

N01°33'09"W 316.00**'**

OAKLAND UNIVERSITY V. HAMLIN ROAD W. AUBURN ROAD LOCATION MAP - NOT TO SCALE BRASS PLUG SET SEC. CORNER FOUND GREGORY MONUMENT FOUND BONO R RECORDED MONUMENT SET ENGINEER M MEASURED C CALCULATED -OH-ELEC-VA-O- ELEC., PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE -UG-CATV-TV- UNDERGROUND CABLE TV, CATV PEDESTAL -W-UG-PHONE-T- TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE -UG-ELEC-EHEKE- ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE GAS MAIN, VALVE & GAS LINE MARKER CAUTION!!

— SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSON AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGIBLES OF THE DESIG **FULL WORKING DAYS BEFORE YOU DIG CALL** CITY OF ROCHESTER HILLS MISS DIG DESIGN TICKET B91631806, PDF DATED

671.21

671

CITY OF ROCHESTER HILLS MISS DIG DESIGN TICKET B91631806, PDF DATED CITY OF ROCHESTER HILLS MISS DIG DESIGN TICKET B91631806, PDF DATED COMCAST, PDF 20190623094909, DATE 6-25-19 ATT MAP LOCATION 3895-3499 W HAMLIN ROAD/OLD ADAMS ROAD, DATED 6-13-19. PREPARED BY JW2629

HAVE NOT RECEIVED YET AS OF 7-30-19 ALTA/ACSM LAND TITLE SURVEY, PEA, PROJECT NO. 19-238, DATED 7-3-19 ALTA/ACSM LAND TITLE SURVEY, PARTNER ENGINEERING PROJECT NO. 15-150662.1, DATE OF PLAT OR MAP: NOVEMBER 12, 2015, FIELD DATE OF SURVEY: NOVEMBER 5, 2015.

SITE GRADING PLAN, DEMATTIA ASSOCIATES, PROJECT NO. 98091, SHEET NO. C3, LATE DATED 12/12/2001. CITY FILE NO. 00-009, SECTION 30

FEMA F.I.R.M. 26125C3892F, DATED SEPTEMBER 29, 2006

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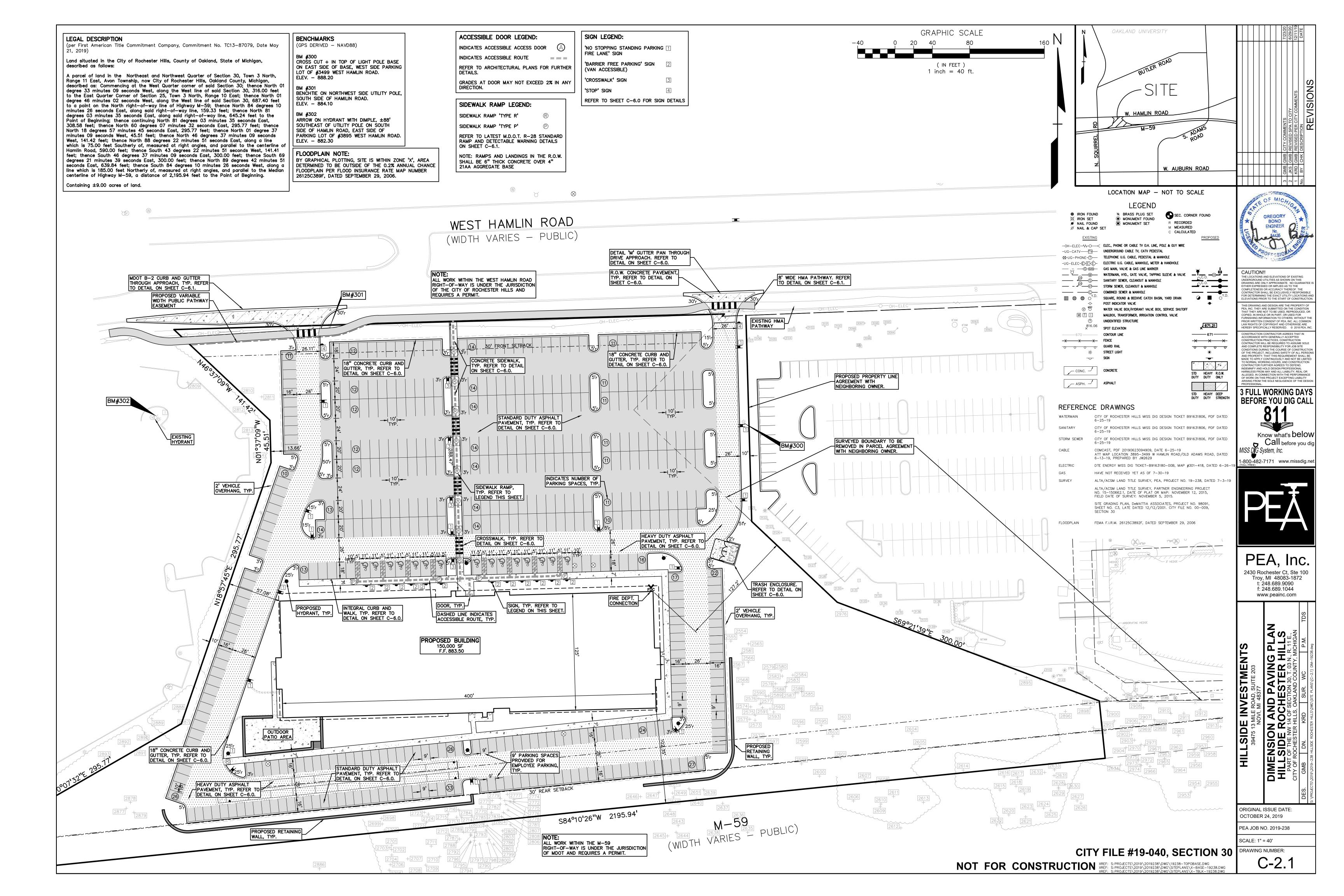
HILLSIDE INVESTMENTS

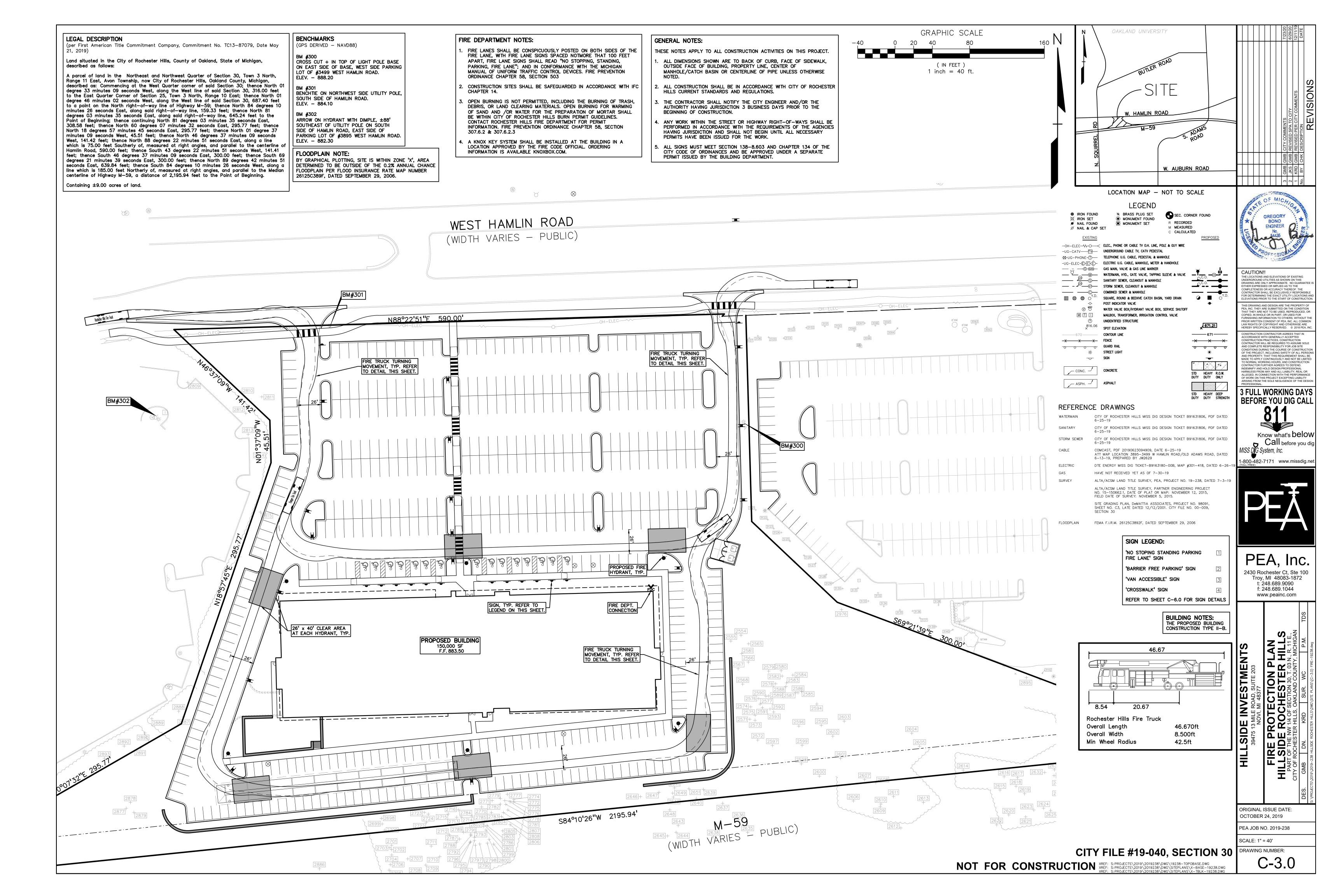
ORIGINAL ISSUE DATE OCTOBER 24, 2019

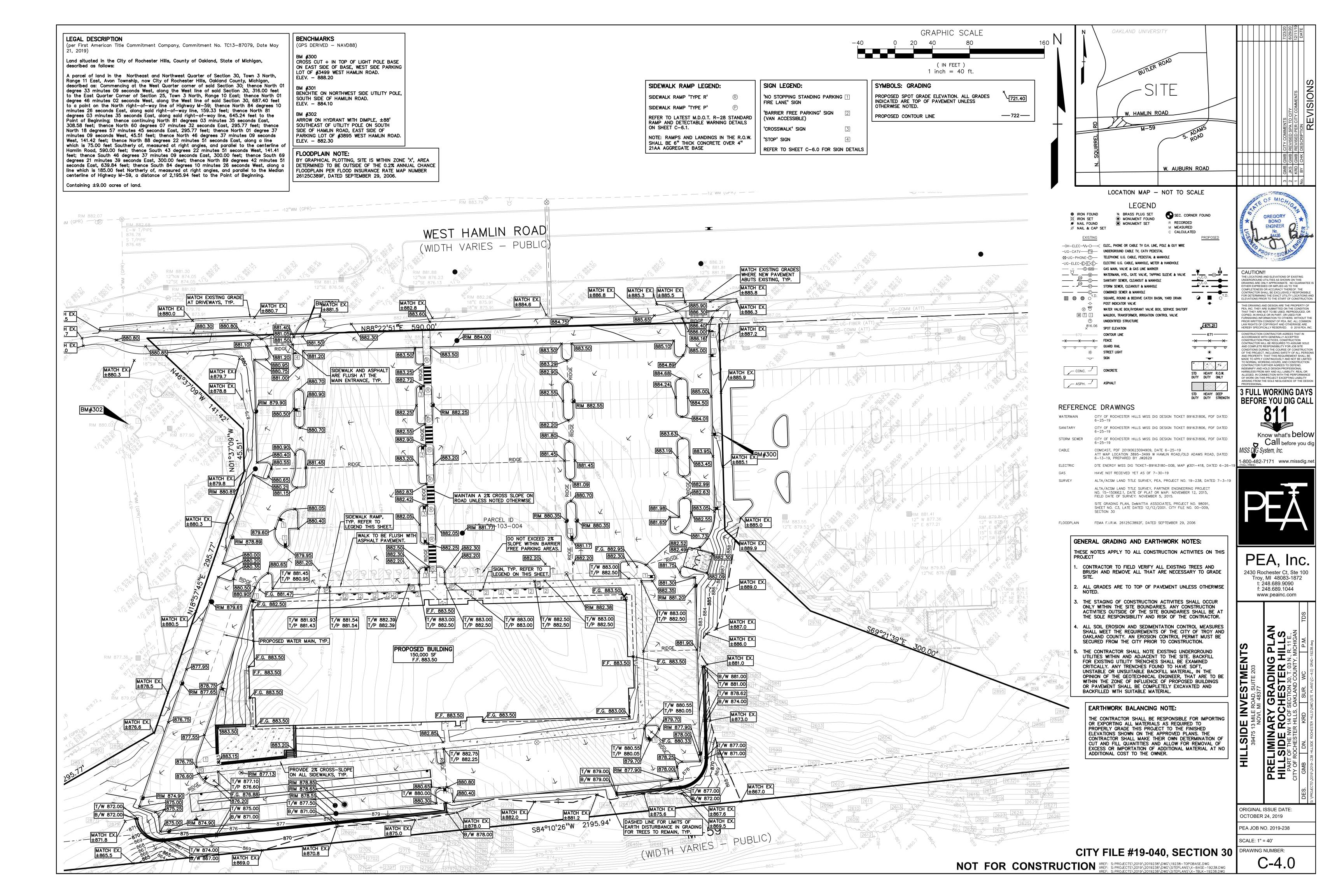
PEA JOB NO. 2019-238

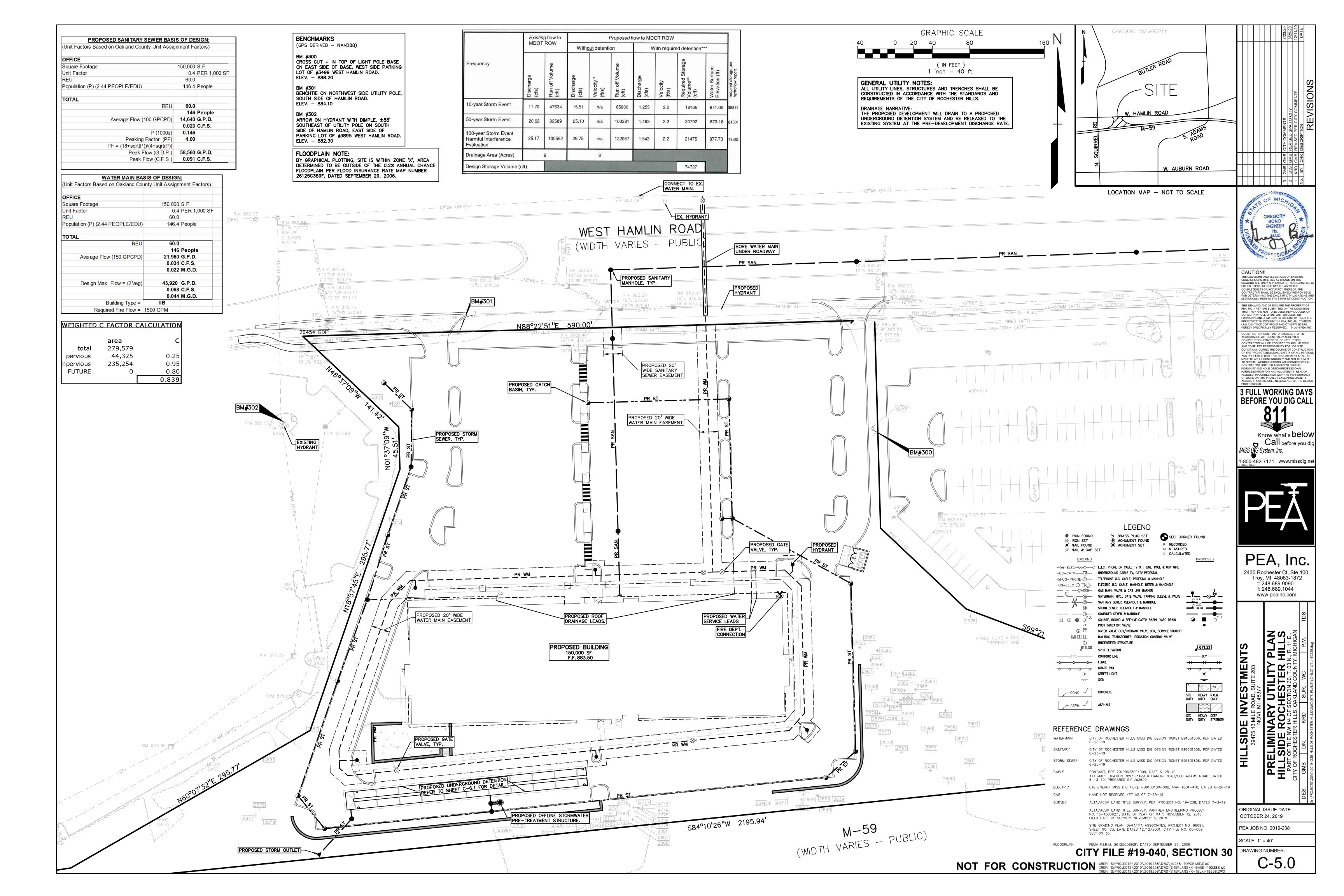
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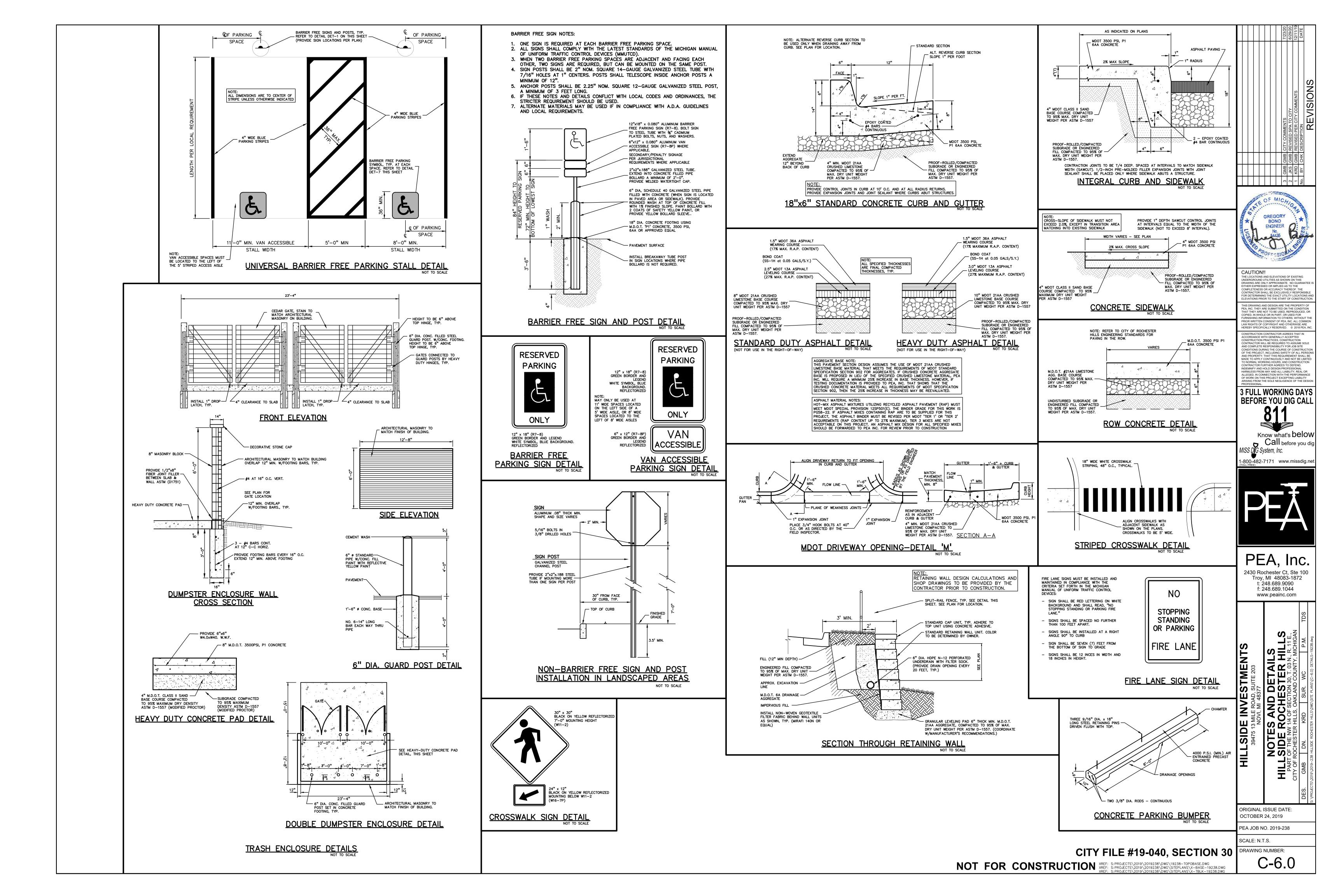
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XREF: S:PROJECTS\2019\2019238\DWG\SITEPLANS\X-BASE-19238.DWG
XREF: S:PROJECTS\2019\2019238\DWG\SITEPLANS\X-TBLK-19238.DWG

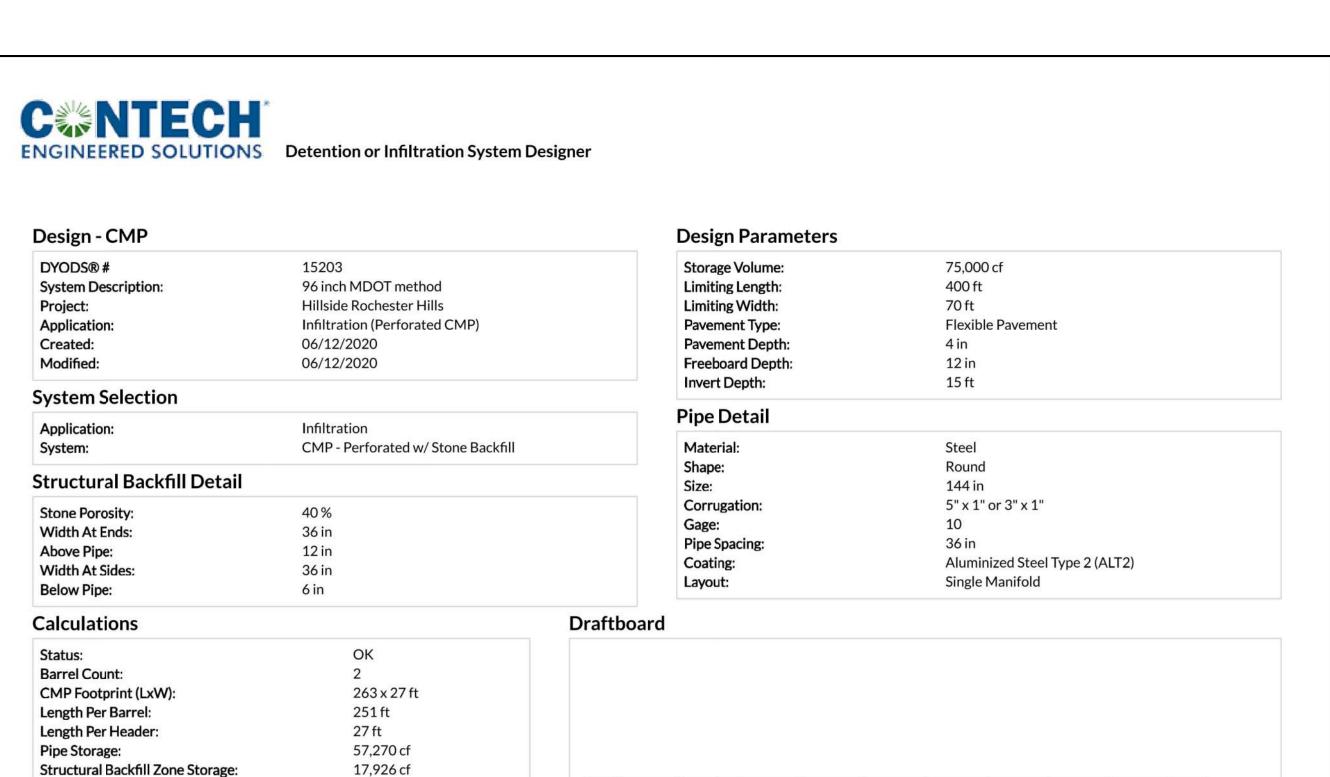


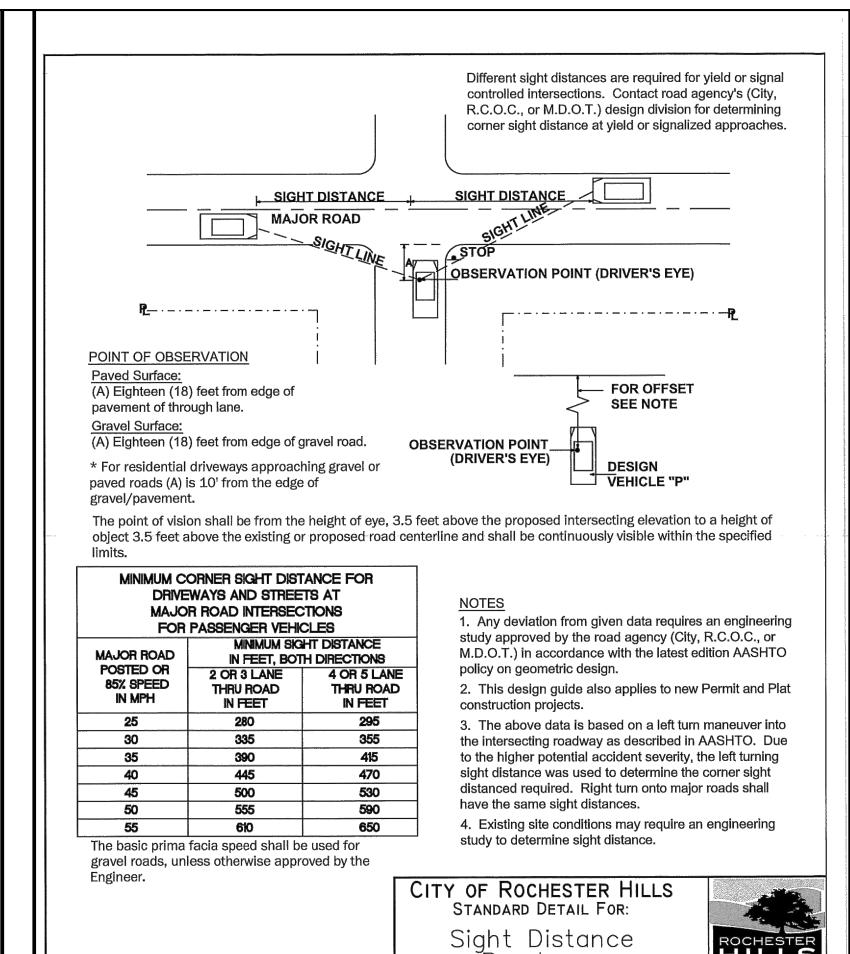












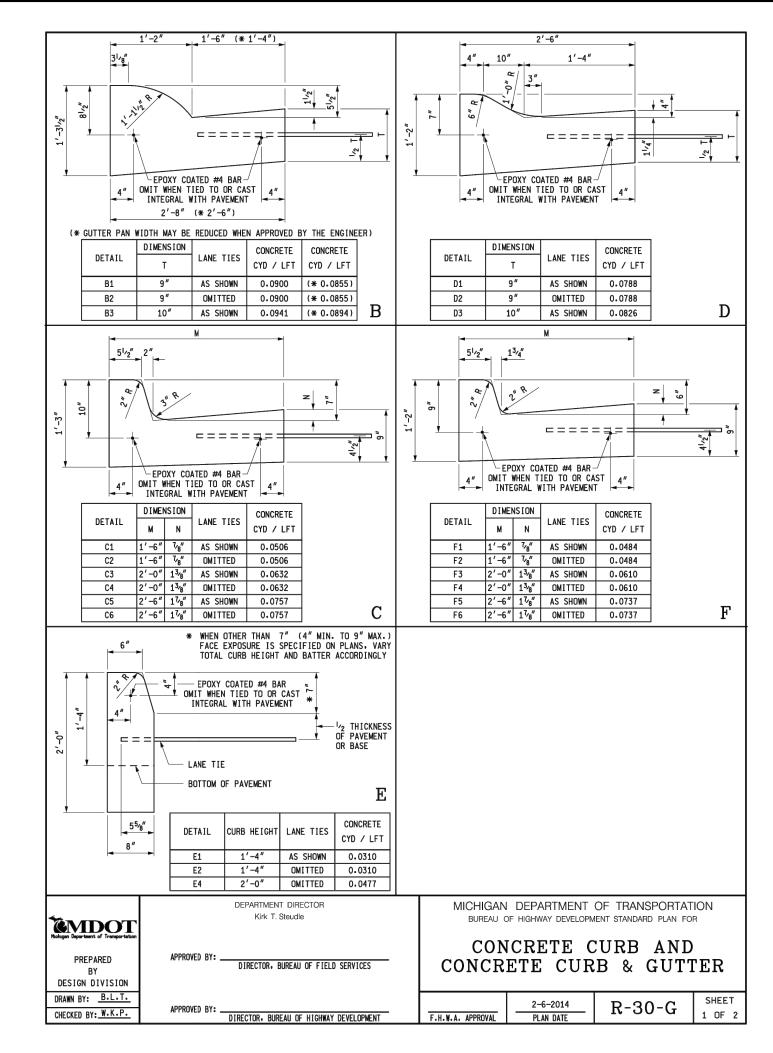
Roadways

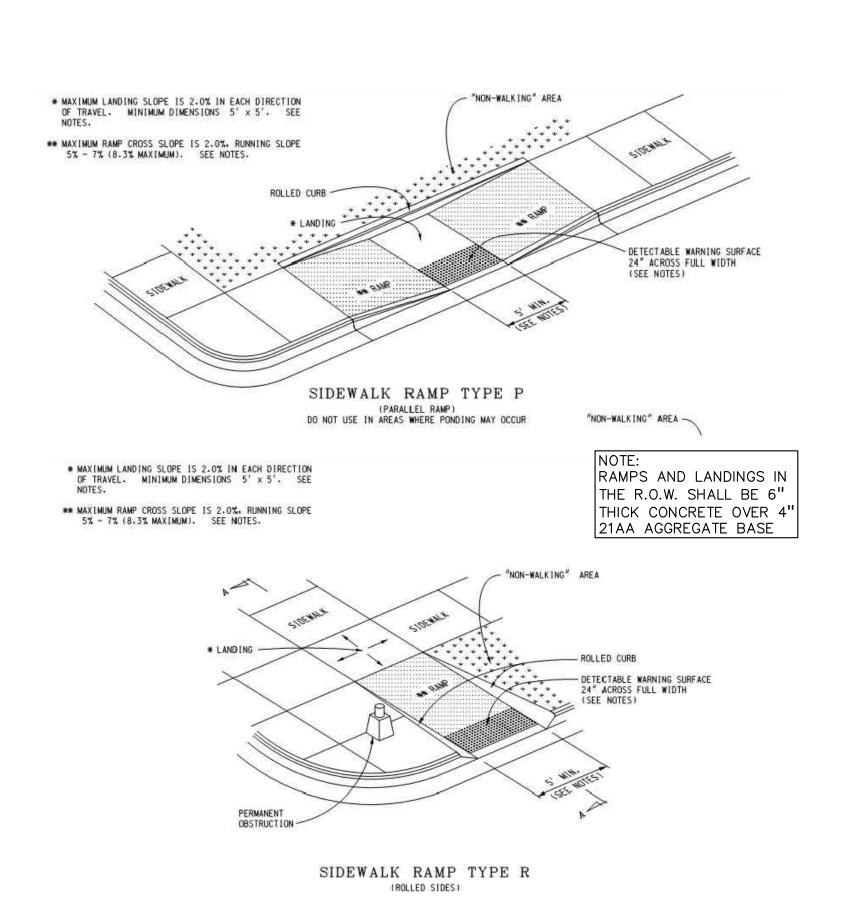
DRAWN BY: FILE NAME: PLAN DATE: REV. REV. 3/15/2014

SHEET

1 0F 2

NOT TO SCALE





Total Storage Provided:

Total CMP Footage:

Total Excavation:

Structural Backfill:

Pavement Volume:

Percent Of Required Storage:

Approximate CMP Piece Count:

Remaining Backfill To Pavement:

Approximate Coupling Bands:

Approximate Truckloads:

75,196 cf

100.26 %

529 ft

5,097 cy

2,223 cy

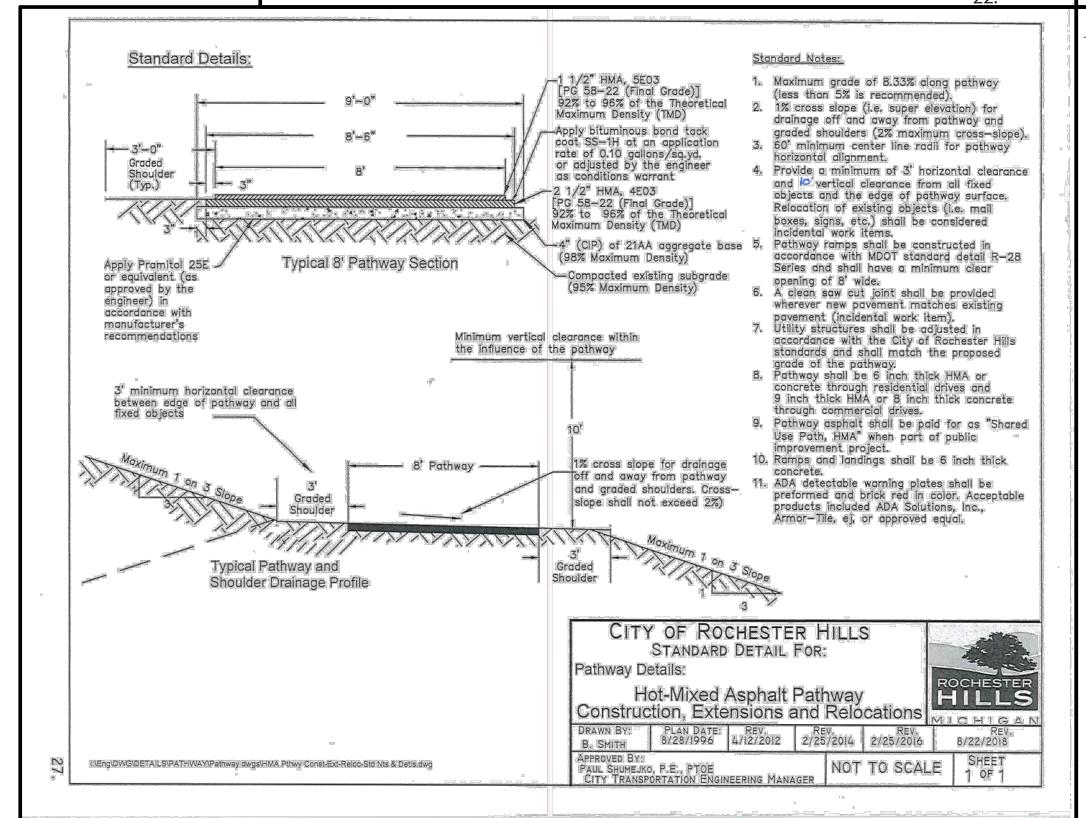
110 cy

643 cy

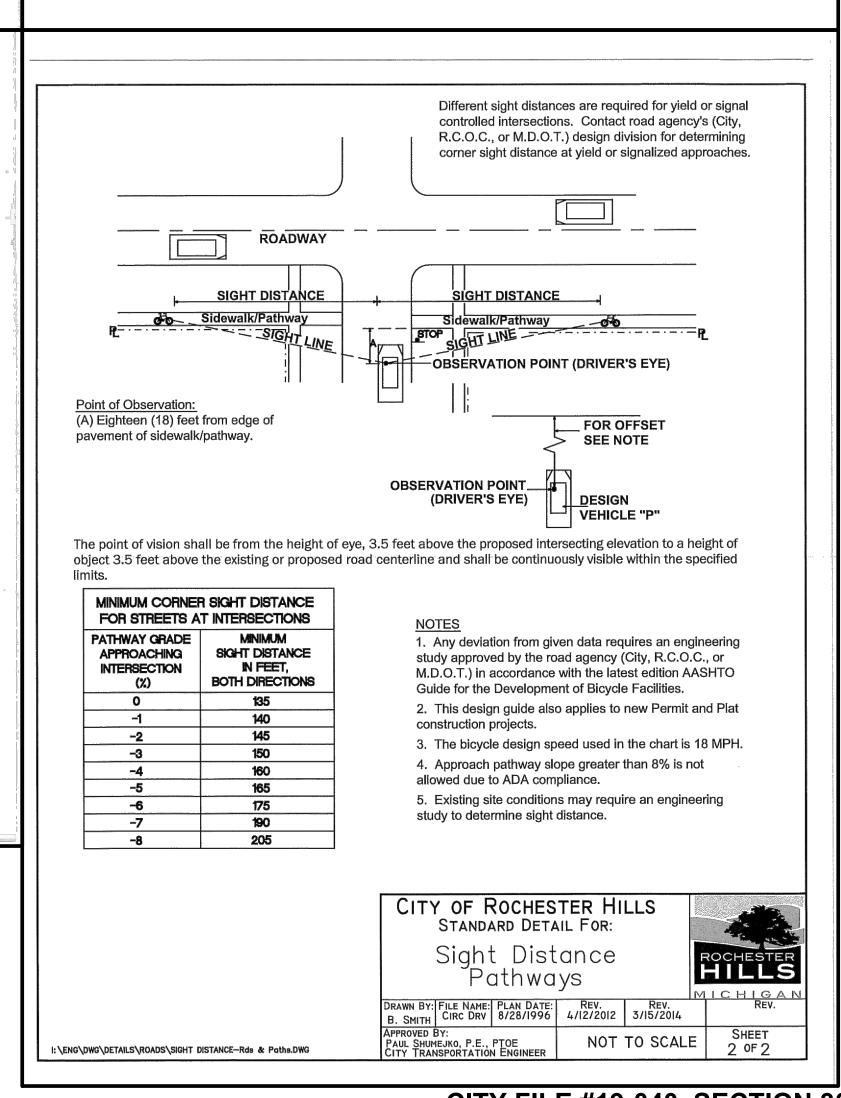
22

21

22



I:\ENG\DWG\DETAILS\ROADS\SIGHT DISTANCE-Rds & Paths.DWG



CITY FILE #19-040, SECTION 30

NOT FOR CONSTRUCTION XREF: S: PROJECTS\2019\2019238\DWG\19238-TOPOBASE.DWG XREF: S: PROJECTS\2019\2019238\DWG\SITEPLANS\X-BASE-19238.DWG XREF: S: PROJECTS\2019\2019238\DWG\SITEPLANS\X-TBLK-19238.DWG

3 GMB GMB CITY COMMENTS
2 JKS GMB REVISED SPA TO CITY
1 KRD GMB REVISED PER CITY COMMENTS
No. BY CHK DESCRIPTION

REVISED PER CITY COMMENTS
No. BY CHK DESCRIPTION



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AND DETAILS

CHESTER HILLS

1 OF SECTION 30, T. 03 N., R. 11 E.,

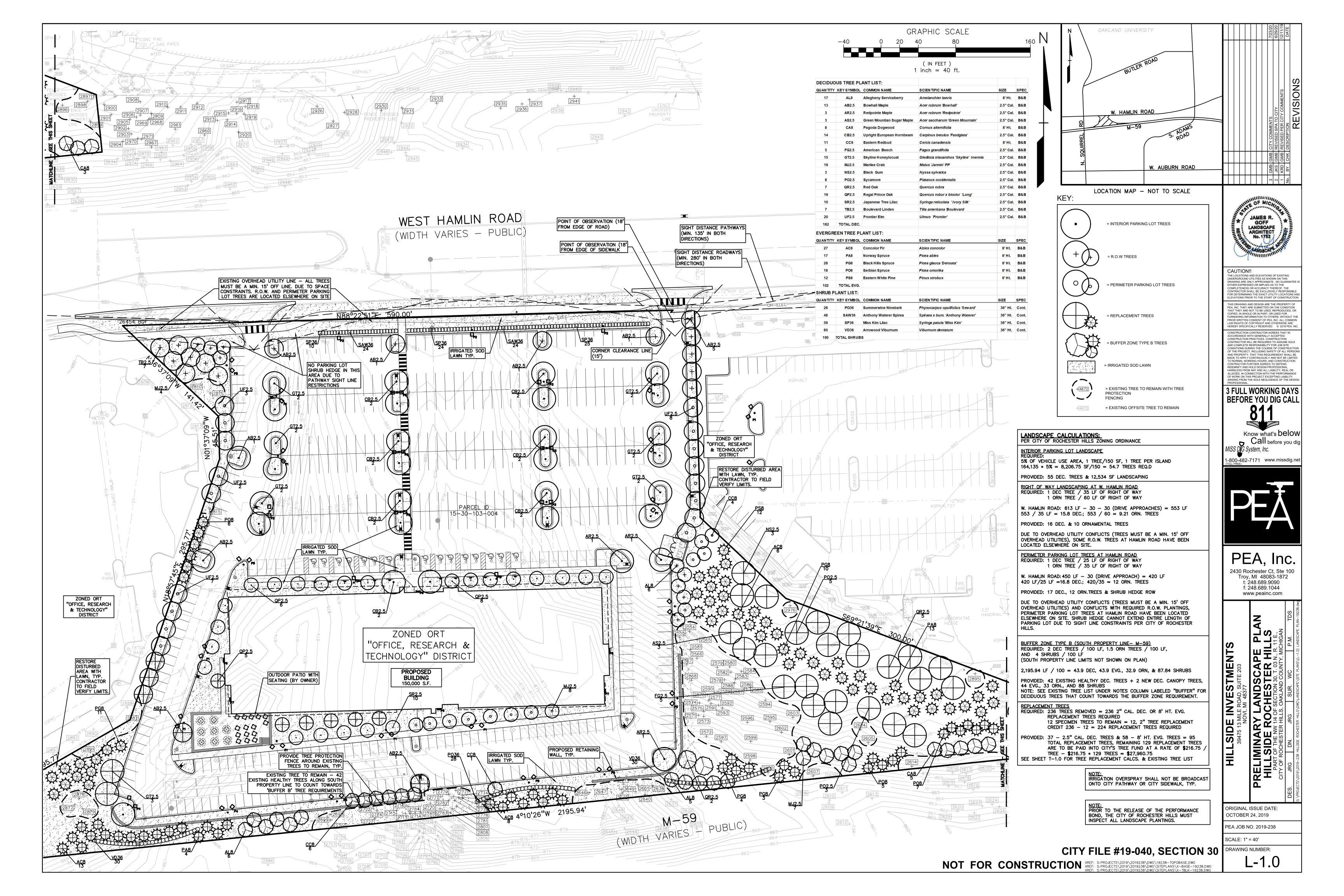
LLS, OAKLAND COUNTY, MICHIGAN

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HILLSIDE INVE
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NOVI, MI 48
NOTES AND
HILLSIDE ROCHE
PART OF THE NW 1/4 OF SECT
CITY OF ROCHESTER HILLS, OAKI

ORIGINAL ISSUE DATE: OCTOBER 24, 2019 PEA JOB NO. 2019-238

DRAWING NUMBER:



COST OPINION PROJECT NAME: HILLSIDE ROCHESTER HILLS JOB NO.

LANDSCAPE

ESTIMATED QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	ITEM PRICE
15,371	S.Y.	Sod Lawn	\$6	\$92,226
195	EA.	Shrubs	\$50	\$9,750
55	EA.	Sub-Canopy Ornamental Trees	\$300	\$16,500
127	EA.	Deciduous	\$400	\$50,800
129	EA.	Tree Fund Trees	\$217	\$27,961
102	EA.	Evergreen Trees	\$325	\$33,150
14	C.Y.	Mulch (3" Depth)	\$35.00	\$490
54	C.Y.	Plant mix for beds (12" Depth)	\$15.00	\$810
744	L.F.	Aluminum edge	\$5.00	\$3,720
1	EA.	Irrigation	\$30,000	\$30,000
TOTAL LANDSCAPING				\$265,407

Does not include foundation plants, perennials, mobilization, contingency

GENERAL LANDSCAPE NOTES:

- LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING SITE CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, PLAN SHALL GOVERN QUANTITIES. CONTACT LANDSCAPE ARCHITECT WITH ANY CONCERNS.
- 2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON SITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ON HIS /HER PHASE OF WORK. ELECTRIC. GAS. TELEPHONE. CABLE TELEVISION MAY BE LOCATED BY CALLING MISS DIG 1-800-482-7171. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING.
- 3. ALL PLANT MATERIAL TO BE PREMIUM GRADE NURSERY STOCK AND SHALL SATISFY AMERICAN ASSOCIATION OF NURSERYMEN STANDARD FOR NURSERY STOCK. ALL LANDSCAPE MATERIAL SHALL BE NORTHERN GROWN, NO.
- 4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON LANDSCAPE PLAN PRIOR TO PRICING THE WORK.
- . THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.
- . ALL SINGLE STEM SHADE TREES TO HAVE STRAIGHT TRUNKS AND SYMMETRICAL CROWNS. ALL SINGLE TRUNK SHADE TREES TO HAVE A CENTRAL LEADER; TREES WITH FORKED OR IRREGULAR TRUNKS

WILL NOT BE ACCEPTED.

- 3. ALL MULTI STEM TREES SHALL BE HEAVILY BRANCHED AND HAVE SYMMETRICAL CROWNS. ONE SIDED TREES OR THOSE WITH THIN OR OPEN CROWNS SHALL NOT BE
- ACCEPTED. O. ALL EVERGREEN TREES SHALL BE HEAVILY BRANCHED
- NOT SHEARED FOR THE LAST FIVE GROWING SEASONS. O.ALL TREES TO HAVE CLAY OR CLAY LOAM BALLS, TREES WITH SAND BALLS WILL BE REJECTED.

AND FULL TO THE GROUND, SYMMETRICAL IN SHAPE AND

- 1.NO MACHINERY IS TO BE USED WITHIN THE DRIP LINE OF EXISTING TREES; HAND GRADE ALL LAWN AREAS WITHIN THE DRIP LINE OF EXISTING TREES.
- 12.ALL TREE LOCATIONS SHALL BE STAKED BY LANDSCAPE CONTRACTOR AND ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF
- 13.IT IS MANDATORY THAT POSITIVE DRAINAGE IS PROVIDED AWAY FROM ALL BUILDINGS.
- 4.ALL PLANTING BEDS SHALL RECEIVE 3" SHREDDED HARDWOOD BARK MULCH WITH PRE EMERGENT, SEE SPECIFICATIONS. SHREDDED PALETTE AND DYED MULCH WILL NOT BE ACCEPTED.
- 5.ALL LANDSCAPED AREAS SHALL RECEIVE 3" COMPACTED
- 6.SEE SPECIFICATIONS FOR ADDITIONAL COMMENTS, REQUIREMENTS, PLANTING PROCEDURES AND WARRANTY

CONTROL.

7.FOR NON-LAWN SEED MIX AREAS, AS NOTED ON PLAN, BRUSH MOW ONCE SEASONALLY FOR INVASIVE SPECIES

CITY OF ROCHESTER HILLS IRRIGATION NOTES: 1. ALL SOD AND PLANT BED AREAS TO BE IRRIGATED BETWEEN THE HOURS OF 12 AM AND 5 AM ONLY. 2. EXTEND/ADJUST EXISTING IRRIGATION SYSTEM FOR BLDG EXPANSION. NEW LAWN AND PLANT BEDS. VERIFY CONDITION OF EXISTING SYSTEM. 3. NO IRRIGATION HEADS TO SPRAY ON CITY PATHWAY, TYP. 4. IRRIGATION CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCH./CITY PER CITY. SPEC. FOR APPROVAL.

CITY OF ROCHESTER HILLS NOTES: TREE PLANTING RESTRICTIONS

Prior approval is required to plant any tree or shrub on the public right—of—way. All trees and shrubs must be planted at least 10' from the edge of the public road. 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 lines at a distance along each line of 25' from their point of intersection. No trees or shrubs may be planted in 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. These requirements are incorporated into the plan.

CLOSING COMMENT: 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.

CITY OF ROCHESTER HILLS MAINTENANCE AGREEMENT: <u>PROPERTY MAINTENANCE:</u>

- A. Landscaping shall be kept in a neat, orderly and healthy growing condition, free from debris and refuse. . 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.
- . All dead, damaged, or diseased plant material shall be removed immediately and replaced within six (6) 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 materials 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.
-). 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.
- . 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.

PERMALOC ALUMINUM EDGING OR APPROVED

" THICK X 4" DEPTH WHEN ADJ. TO MULCH

THICK X 5 ½" DEPTH WHEN ADJ. TO ROCK

EQUAL WITH BLACK FINISH.

- COMPACTED SUBGRADE

LANDSCAPE BED EDGING SHALL BE ALUMINUM AS MANUFACTURED BY

(8') EIGHT OR (16') SIXTEEN FOOT SECTIONS SHALL BE USED WITH

EDGING SHALL BE &" THICK X 4" DEPTH WHEN ADJ. TO MULCH AND

STAKE SHALL SECURELY ENGAGE EDGING AND SHALL BE ENTIRELY

INSTALL AS PER MANUFACTURER'S SPECIFICATIONS WITH TOP OF

EDGING 4"-1" ABOVE COMPACTED FINISH GRADE. FINISH GRADE TO

BE COMPACTED ON EITHER SIDE OF EDGING TO MAINTAIN STABILITY.

I" THICK X 5 I" DEPTH WHEN ADJ. TO ROCK, FINISH, BLACK

ONE STAKE PER (38") THIRTY EIGHT INCHES OF EDGING.

EDGING SHALL HAVE A MINIMUM OF (2") TWO INCHES OF

SPECIFICATIONS FOR LANDSCAPE BED EDGING:

PERMALOC 1.800.356.9660.

DURAFLEX MEETS AAMA 2603

BELOW TOP SURFACE OF EDGING.

INTERLOCKING OVERLAP BETWEEN SECTIONS.

PLANT SO THAT TOP OF ROOT BALL IS FLUSH TO GRADE OR 1-2" HIGHER IF IN POORLY DRAINED SOILS. DO NOT COVER TOP OF ROOTBALL WITH SOIL. - FORM SAUCER WITH 4" CONTINUOUS RIM.

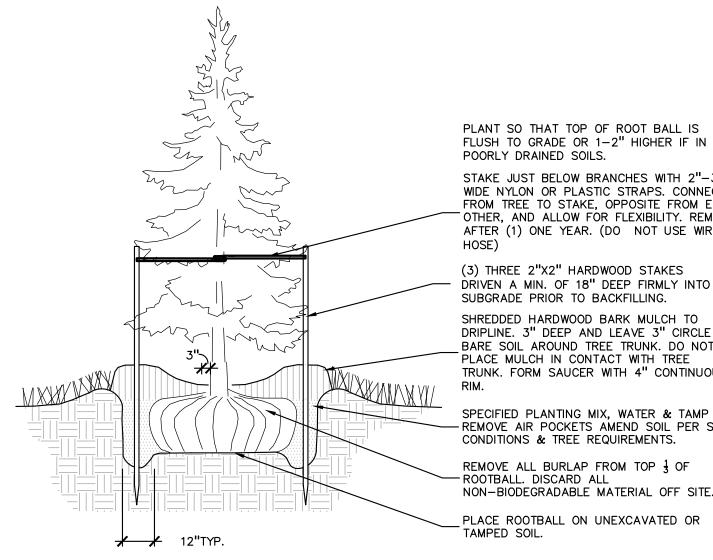
SHREDDED HARDWOOD BARK MULCH 3" DEEP AND LEAVE 3" CIRCLE OF BARE SOIL AROUND TRUNK. DO NOT PLACE MULCH IN CONTACT WITH TRUNK.

- FINISH GRADE

SPECIFIED PLANTING MIX. WATER AND TAMP TO REMOVE AIR POCKETS. REMOVE ALL BURLAP FROM TOP 1 OF ROOTBALL. DISCARD ALL NON-BIODEGRADABLE MATERIAL OFF

PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL.

SHRUB PLANTING DETAIL



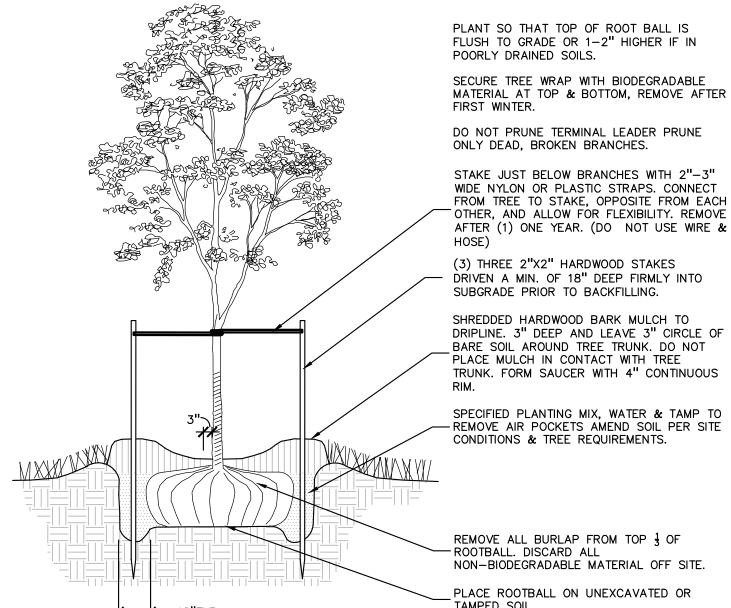
POORLY DRAINED SOILS. STAKE JUST BELOW BRANCHES WITH 2"-3" WIDE NYLON OR PLASTIC STRAPS. CONNECT FROM TREE TO STAKE, OPPOSITE FROM EACH OTHER, AND ALLOW FOR FLEXIBILITY, REMOVE AFTER (1) ONE YEAR. (DO NOT USE WIRE &

(3) THREE 2"X2" HARDWOOD STAKES DRIVEN A MIN. OF 18" DEEP FIRMLY INTO SUBGRADE PRIOR TO BACKFILLING. SHREDDED HARDWOOD BARK MULCH TO DRIPLINE. 3" DEEP AND LEAVE 3" CIRCLE OF BARE SOIL AROUND TREE TRUNK, DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. FORM SAUCER WITH 4" CONTINUOUS

SPECIFIED PLANTING MIX, WATER & TAMP TO -REMOVE AIR POCKETS AMEND SOIL PER SITE CONDITIONS & TREE REQUIREMENTS. REMOVE ALL BURLAP FROM TOP $\frac{1}{3}$ OF ROOTBALL. DISCARD ALL NON-BIODEGRADABLE MATERIAL OFF SITE.

PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL.

<u>EVERGREEN TREE PLANTING DETAIL</u> SCALE: 1'' = 3'-0''



PLANT SO THAT TOP OF ROOT BALL IS FLUSH TO GRADE OR 1-2" HIGHER IF IN POORLY DRAINED SOILS.

FIRST WINTER. DO NOT PRUNE TERMINAL LEADER PRUNE ONLY DEAD, BROKEN BRANCHES.

STAKE JUST BELOW BRANCHES WITH 2"-3" WIDE NYLON OR PLASTIC STRAPS. CONNECT FROM TREE TO STAKE, OPPOSITE FROM EACH OTHER, AND ALLOW FOR FLEXIBILITY. REMOVE AFTER (1) ONE YEAR. (DO NOT USE WIRE &

(3) THREE 2"X2" HARDWOOD STAKES DRIVEN A MIN. OF 18" DEEP FIRMLY INTO SUBGRADE PRIOR TO BACKFILLING.

SHREDDED HARDWOOD BARK MULCH TO DRIPLINE. 3" DEEP AND LEAVE 3" CIRCLE OF BARE SOIL AROUND TREE TRUNK. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. FORM SAUCER WITH 4" CONTINUOUS

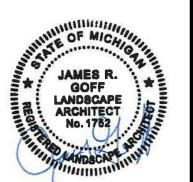
SPECIFIED PLANTING MIX, WATER & TAMP TO - REMOVE AIR POCKETS AMEND SOIL PER SITE CONDITIONS & TREE REQUIREMENTS.

REMOVE ALL BURLAP FROM TOP 1 OF -ROOTBALL. DISCARD ALL NON-BIODEGRADABLE MATERIAL OFF SITE. PLACE ROOTBALL ON UNEXCAVATED OR

TAMPED SOIL. <u>DECIDUOUS TREE PLANTING DETAIL</u>

CITY FILE #19-040, SECTION 30 SCALE: 1'' = 3'-0''

NOT FOR CONSTRUCTION XREF: S: PROJECTS\2019\2019238\DWG\19238-TOPOBASE.DWG XREF: S: PROJECTS\2019\2019238\DWG\SITEPLANS\X-BASE-19238.DWG XREF: S: PROJECTS\2019\2019238\DWG\SITEPLANS\X-TBLK-19238.DWG



CAUTION!! R DETERMINING THE EXACT UTILITY LOCATION: EVATIONS PRIOR TO THE START OF CONSTRUC

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSON AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARSING FROM THE SOLE NEGLIGENCE OF THE DESIGNAL.

3 FULL WORKING DAYS **BEFORE YOU DIG CALL**

Know what's **below** Call before you diç



PEA, Inc. 2430 Rochester Ct, Ste 100 Troy, MI 48083-1872 t: 248.689.9090 f: 248.689.1044

www.peainc.com

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ORIGINAL ISSUE DATE: OCTOBER 24, 2019

PEA JOB NO. 2019-238

SCALE: SEE DWG DRAWING NUMBER:

ALUMINUM EDGE DETAIL

SCALE: 1/2'' = 1'-0''