

FINAL SITE PLANS FOR LAKELAND KNOLL

A Residential Open Space Development

VILLAGE OF PINCKNEY, LIVINGSTON COUNTY, MICHIGAN

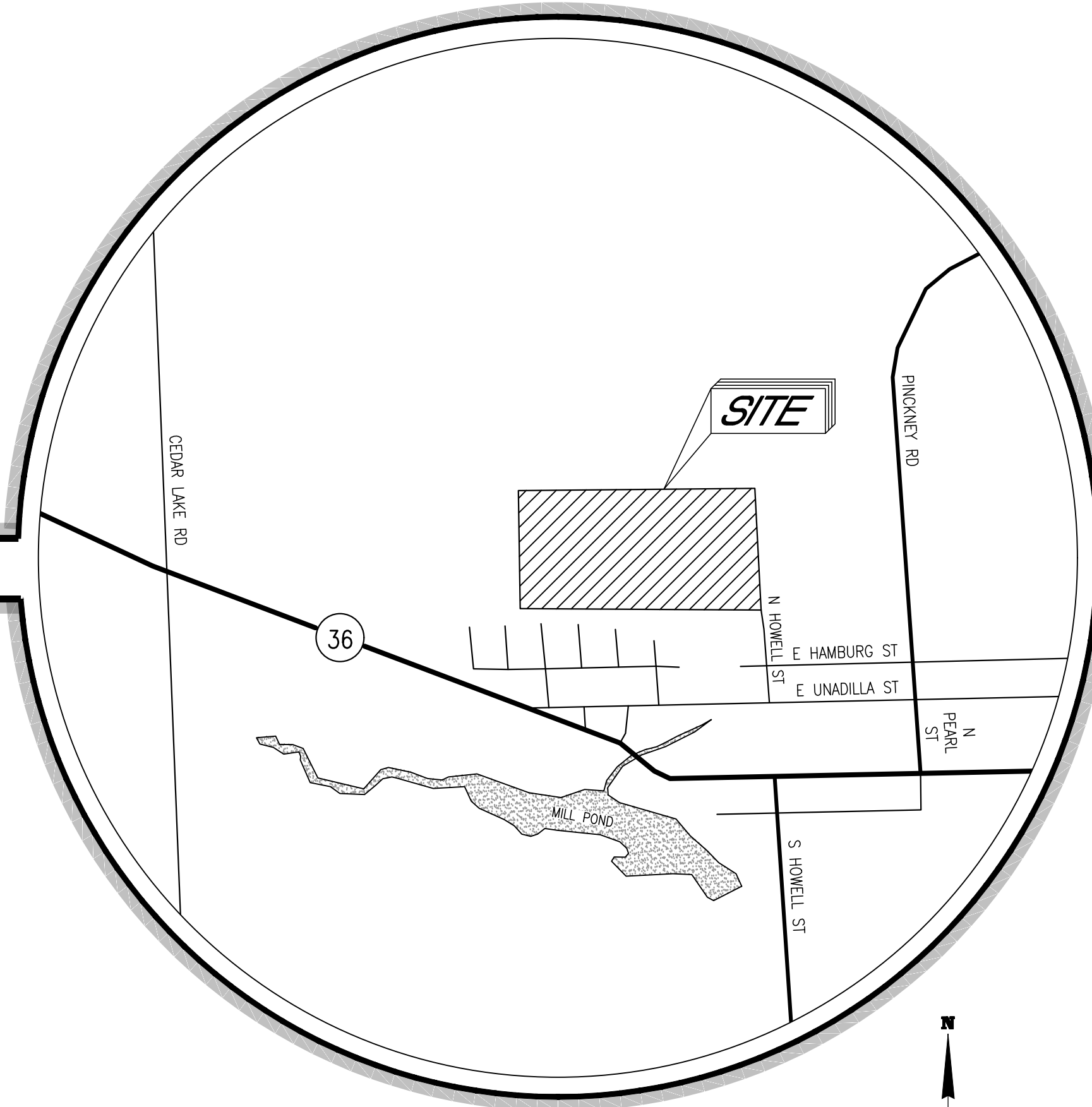
SHEET INDEX

- 1 COVER SHEET
- 2 EXISTING CONDITIONS & REMOVALS
- 3 OVERALL LAYOUT PLAN
- 4 OVERALL UTILITY PLAN
- 5 OVERALL GRADING PLAN
- 6 STORM WATER MANAGEMENT PLAN
- 7 DETAILS
- 8 PARALLEL PLAN
- 9 AREA-WIDE PLAN

LP1 COMMON AREA LANDSCAPE PLAN

LEGEND

	EXISTING	PROPOSED
SPOT GRADE	---+000.00---	---+000.00---
CONTOUR	---000---	---000---
SANITARY SEWER	---SAN---○	---SAN---●
STORM SEWER	---ST---○	---ST---●
WATER	---W---	---W---
OVERHEAD	---X---	---X---
FENCE	---X---	---X---
GAS	---GAS---	---GAS---
ELECTRIC	---E---	---E---
DRAINAGE AREA BOUNDARY	---	---
LIMITS OF DISTURBANCE	---	---
SIGN	---	---
LIGHT POLE	---	---
UTILITY POLE	---	---
DECIDUOUS TREE	---	---
GATE VALVE IN WELL	---	---
WATER WELL	---	---
TEST WELL/ MON. WELL	---	---
REMOVE	---X-X-X-X-X-X-X---	---



LOCATION MAP
NOT TO SCALE

LEGAL DESCRIPTIONS

PROPOSED DEVELOPMENT PARCEL:

Part of the Northeast 1/4 of Section 22, Town 1 North, Range 4 East, Village of Pinckney, Livingston County, Michigan, being more particularly described as follows: Commencing at the East 1/4 Corner of said Section 22; thence along the East line of said Section 22, N 04°09'02" W, 157.38 feet, to a point on the North line of the MDNR Right-of-Way (100 feet wide and Former Grand Trunk Railroad), said point also being the POINT OF BEGINNING of the parcel to be described; thence continuing along said North line of the MDNR Right-of-Way, S 89°47'10" W, 2199.10 feet; thence N 04°06'54" W, 1139.64 feet, to a point on the North line of the South half of the Northeast 1/4 of Section 22; thence N 89°28'06" E, 2197.59 feet, along the North line of the South half of the Northeast 1/4 of Section 22 to a point on the East line of said Section 22; thence along the East line of Section 22 S 04°09'02" E, 1151.91 feet to the Point of Beginning. Containing 57.7 acres, more or less and subject to any easements and restrictions of record.

Parcel ID number: 4714-22-200-011

SITE DATA TABLE

PARCEL NUMBER:	14-22-200-011
SITE:	
SITE AREA	57.7 ACRES
OPEN SPACE	24.28 ACRES
% OPEN SPACE	42%
% DEVELOPED ¹	46%
% IMPERVIOUS ²	21%
% PERVIOUS ³	79%

¹ computed as [(total area of lots, road ROW and det. pond hwl areas) / site area] x 100
² impervious area includes roads, sidewalks, pond ws and estimated pervious area for average lot (2,568sf).
³ computed as (100% - % impervious)

ZONING:	EXISTING	PROPOSED
EXISTING	R-3 (HIGH DENSITY RESIDENTIAL)	R-3 (HIGH DENSITY RESIDENTIAL)
PROPOSED		RESIDENTIAL OPEN SPACE

USE:	EXISTING	PROPOSED
EXISTING	VACANT	VACANT
PROPOSED		RESIDENTIAL (SITE CONDOMINIUM)

PHASE 1 UNITS	=	51
PHASE 2 UNITS	=	72
TOTAL PROPOSED UNITS	=	123

LOT:	
MINIMUM UNIT AREA	6,050 sf
AVERAGE UNIT AREA	7,187 sf
MINIMUM UNIT WIDTH	55 ft
MAXIMUM LOT COVERAGE	40%
MAXIMUM BUILDING HEIGHT	2.5 STORIES / 35ft

SETBACKS:	
MINIMUM FRONT YARD	22 ft
MINIMUM SIDE YARD (EACH)	7.5 ft
MINIMUM REAR YARD	30 ft

GENERAL NOTES

- Property is zoned: R-3.
- Contractor is responsible for protecting all existing and proposed utilities from damage during all stages of construction.
- The engineer and applicable agency must approve, prior to construction, any alteration, or variance from these plans.
- All signs shall meet the requirements of the Village of Pinckney Zoning Ordinance.
- Underground dry utilities shall be extended from existing locations to service this site as required by utility companies.
- All construction shall be performed in accordance with the current standards and specifications of the Village of Pinckney and Livingston County.
- Three working days prior to any excavation, the Contractor shall telephone MISS DIG (800-482-7171) for the location of underground utilities and shall also notify representatives of other utilities located in the vicinity of the work. It shall be the Contractor's responsibility to verify and/or obtain any information necessary regarding the presence of underground utilities which might affect this job.
- Proposed site contains no flood plains per FEMA FIRM map.
- Soil borings will be provided with construction plans.
- Access to water tower shall be maintained during construction.
- No existing easements encumber the site.

PERMITS & APPROVALS

AGENCY	REQUIRED	STATUS
VILLAGE OF PINCKNEY	PRELIM. SITE PLAN	APPROVED
VILLAGE OF PINCKNEY	FINAL SITE PLAN	PENDING
LIVINGSTON COUNTY DRAIN COMMISSION	SESC PERMIT	PENDING

UTILITY DISCLAIMER

811 Know what's below. Call before you dig.

Utilities as shown indicate approximate location of facilities only, as described by the various companies and no guarantee is given either as to the completeness or accuracy thereof. Contractor shall call "MISS DIG" at 811 or 1-800-482-7171 prior to the start of construction. Electric, gas, phone and television companies should be contacted prior to the commencement of field activities.

OWNER / DEVELOPER

PROGRESSIVE PROPERTIES
 PO BOX 2709
 SOUTHFIELD, MI 48037-2709
 PH: 248.358.2210; ATTN: MR. MARSHALL BLAU; EMAIL: PROPROP@COMCAST.NET

PLANNER/LANDSCAPE ARCHITECT

J EPPINK PARTNERS, INC.
 9336 SASHABAW RD
 CLARKSTON, MI 48348
 PHONE: 248.922.0789

ENGINEER

LE LIVINGSTON ENGINEERING
 CIVIL ENGINEERING SURVEYING PLANNING
 3300 S. OLD U.S.23, BRIGHTON, MI 48114
 http://www.livingstoneng.com PHONE: (810) 225-7100 FAX: (810) 225-7699

LAKELAND KNOLL
VILLAGE OF PINCKNEY
LIVINGSTON COUNTY, MICHIGAN
FINAL SITE PLANS

ENGINEER'S SEAL

REVISIONS	DATE	PROJECT No.
REV HORIZON LN ALIGNMENT	02/12/2021	18245
REV LOT NUMBERS PER PHASING	04/28/2023	SHEET 1 OF 10
FINAL SITE PLAN	08/30/2023	DATE: DEC. 17, 2020

FILE C:\Users\jv\Dropbox (Livingston)\Projects\2018\18245 Progressive Labeling (Final) (18245_02_LF_Crossing.dwg)

N. 1/4 CORNER OF SEC. 22

N.E. CORNER OF SEC. 22

NORTH/SOUTH 1/4 LINE SEC. 22

EAST/WEST 1/4 LINE SEC. 22

CENTER OF SEC. 22

PARCEL: 14-22-200-010
ADDRESS: 9157 CEDAR LAKE
OWNER: BOLTON, CONNIE & LESLIE
ZONING: RS-1 (SINGLE FAMILY RESIDENTIAL)
USE: RESIDENTIAL

PARCEL: 14-22-200-003
ADDRESS: 9165 CEDAR LAKE
OWNER: BERARDI, FRANK
ZONING: RS-1 (SINGLE FAMILY RESIDENTIAL)
USE: RESIDENTIAL

PARCEL: 14-22-200-003
ADDRESS: 9173 CEDAR LAKE
OWNER: SCHIMMEL, LARRY & MICHELL
ZONING: RR (RURAL RESIDENTIAL)
USE: RESIDENTIAL

PARCEL: 14-22-200-001
OWNER: PINCKNEY SAND & GRAVEL
ZONING: A-0 (AGRICULTURAL/OPEN SPACE)
USE: VACANT

PARCEL: 14-23-100-001
OWNER: PINCKNEY SAND & GRAVEL
ZONING: A-0 (AGRICULTURAL/OPEN SPACE)
USE: VACANT

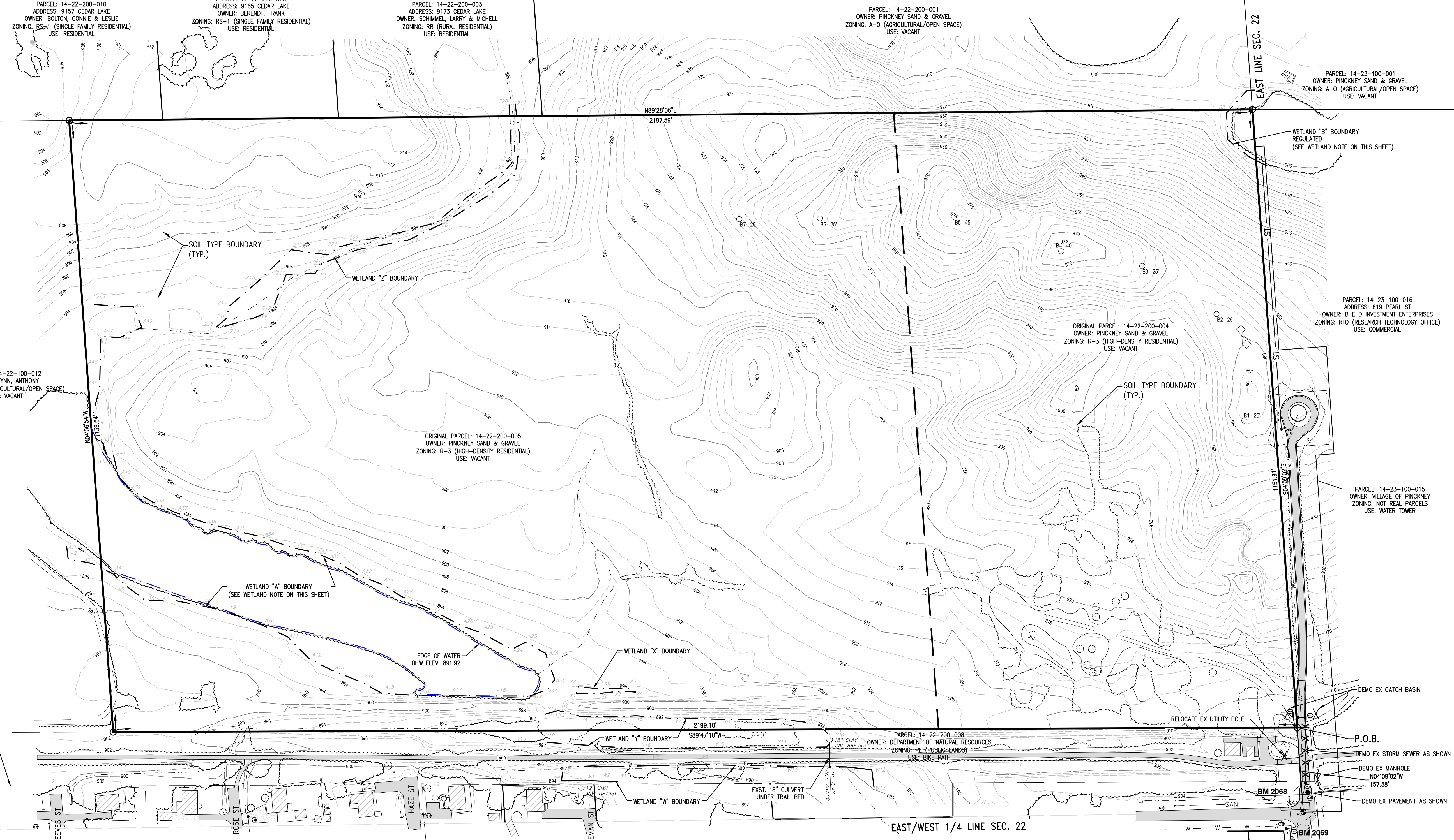
PARCEL: 14-22-100-012
OWNER: WYNN, ANTHONY
ZONING: A-0 (AGRICULTURAL/OPEN SPACE)
USE: VACANT

ORIGINAL PARCEL: 14-22-200-005
OWNER: PINCKNEY SAND & GRAVEL
ZONING: R-3 (HIGH-DENSITY RESIDENTIAL)
USE: VACANT

ORIGINAL PARCEL: 14-22-200-004
OWNER: PINCKNEY SAND & GRAVEL
ZONING: R-3 (HIGH-DENSITY RESIDENTIAL)
USE: VACANT

PARCEL: 14-23-100-016
ADDRESS: 619 PEARL ST
OWNER: B E D INVESTMENT ENTERPRISES
ZONING: RTO (RESEARCH TECHNOLOGY OFFICE)
USE: COMMERCIAL

PARCEL: 14-23-100-015
OWNER: VILLAGE OF PINCKNEY
ZONING: NOT REAL PARCELS
USE: WATER TOWER



EXISTING STORM SEWER SCHEDULE				
STR #	TYPE	DI	RIM ELEV	INVERT DATA
r-14	CATCH BASIN	4'	907.47	12" CPP 902.17N TOP OF WATER: 902.07 BOTTOM: 900.29
r-13	CATCH BASIN	4'	907.30	12" CPP 901.70W 12" CPP 901.41S TOP OF WATER: 901.41 BOTTOM: 899.32
r-12	MANHOLE	6'	901.78	12" CPP 897.78W 12" CPP 897.70S TOP OF WATER: 897.70 BOTTOM: N/A
r-11	MANHOLE	4'	902.49	12" CPP INV: 895.04N 12" CPP INV: 895.17S 12" CPP INV: 898.23W 10" PVC INV: 895.30NE TOP OF WATER: 895.16 BOTTOM: 894.94
r-10	MANHOLE	4'	901.69	12" CPP 898.34E TOP OF WATER: 898.32 BOTTOM: 896.74

EXISTING SANITARY SEWER SCHEDULE				
STR #	TYPE	DI	RIM ELEV	INVERT DATA
s-10	MANHOLE		901.65	8" PVC INV: 893.79N 8" PVC INV: 893.54S
s-11	MANHOLE		902.12	8" PVC INV: 894.29W 8" PVC INV: 894.24S
s-12	MANHOLE		903.12	8" PVC INV: 895.38E
s-20	MANHOLE		898.21	8" CLAY INV: 890.02N 8" CLAY INV: 899.91S 8" CLAY INV: 890.51E 8" CLAY INV: 892.37W
s-21	MANHOLE		899.87	8" CLAY INV: 892.87W 8" CLAY INV: 892.12N 8" CLAY INV: 892.09E
s-22	MANHOLE		897.48	8" CLAY INV: 891.18S
s-23	MANHOLE		900.27	8" CLAY INV: 893.38S 8" DI INV: 893.42NW
s-30	MANHOLE		899.30	8" CLAY INV: 893.25N 8" CLAY INV: 893.16S

EXISTING SANITARY SEWER SCHEDULE				
STR #	TYPE	DI	RIM ELEV	INVERT DATA
s-31	MANHOLE		902.13	6" CLAY INV: 894.77NE 6" CLAY INV: 894.75NW 6" CLAY INV: 894.72S
s-35	MANHOLE		902.17	8" CLAY INV: 894.15W 8" CLAY INV: 894.02S 8" PVC INV: 894.24W
s-36	MANHOLE		900.88	6" CLAY INV: 896.54NE 6" PVC INV: 896.20NW N/A N/A INV: 896.13S
s-40	MANHOLE		902.41	8" PVC INV: 895.76N 8" PVC INV: 895.69W 8" PVC INV: 895.75E
s-41	MANHOLE		900.50	6" CLAY INV: 897.25NE 8" PVC INV: 897.09S 6" PVC INV: 897.25SW

BENCHMARK #2069
STORM SEWER MANHOLE RIM
ELEVATION = 902.49

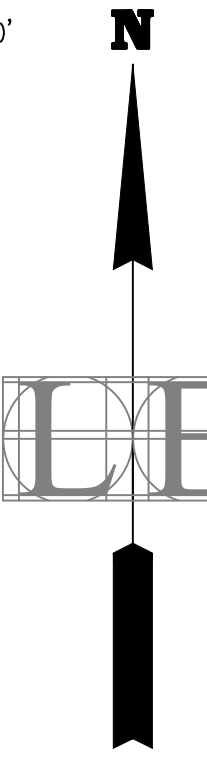
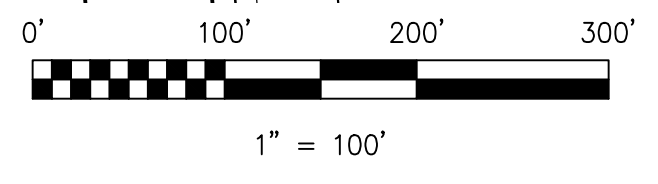
BENCHMARK #2068
GATE VALVE & WELL RIM
ELEVATION = 902.56

N.R.C.S. SOIL SURVEY - CLASSIFICATIONS

- B/A Boyer-Osherno loamy sands, 0 to 2 percent slopes
- B/D Boyer-Osherno loamy sands, 12 to 18 percent slopes
- FoA Fox sandy loam, 0 to 2 percent slopes
- FoB Fox sandy loam, 2 to 6 percent slopes
- FoC Fox sandy loam, 6 to 12 percent slopes
- Ga Gravel pits
- Ho Houghton muck, 0 to 1 percent slopes
- Tm Tawas muck
- W Water

WETLAND NOTES

- ORIGINAL WETLAND DELINEATION (WL A & B) AND REGULATORY STATUS PREPARED BY KING & MacGREGOR ENVIRONMENTAL, INC (KME) AND FLAGGING LOCATED BY LIVINGSTON ENGINEERING (LE) IN JANUARY 2019.
- ADDITIONAL WETLAND AREAS W, X, Y & Z WERE DELINEATED BY KME AND LOCATED BY LE IN AUG./SEPT. 2020.



©2023

LIVINGSTON ENGINEERING
CIVIL ENGINEERING SURVEYING
3300 S. OLD U.S. 23, BRIGHTON, MI 48114
PHONE: (810) 225-7100
WWW.LIVINGSTONENG.COM

Client
PROGRESSIVE PROPERTIES
PO BOX 2709
SOUTHFIELD, MI 48037-2709
PH: 248.368.2210

LAKELAND KNOLL
FINAL SITE PLANS
VILLAGE OF PINCKNEY, LIVINGSTON COUNTY, MICHIGAN
EXISTING CONDITIONS & REMOVALS PLAN

REV.	DATE	DESCRIPTION
01	07/17/2020	REV. HORIZONTAL ALIGNMENT
02	04/28/2023	REV. LOT NUMBERS PER PHASING
03	06/28/2023	REV. PER VILLAGE
04	09/20/2023	FINAL SITE PLAN

Job No. 18245

Scale: 1" = 100'

Date: 12/17/2020

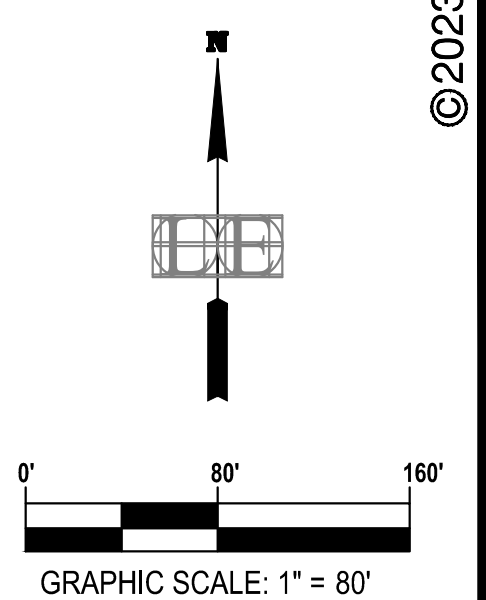
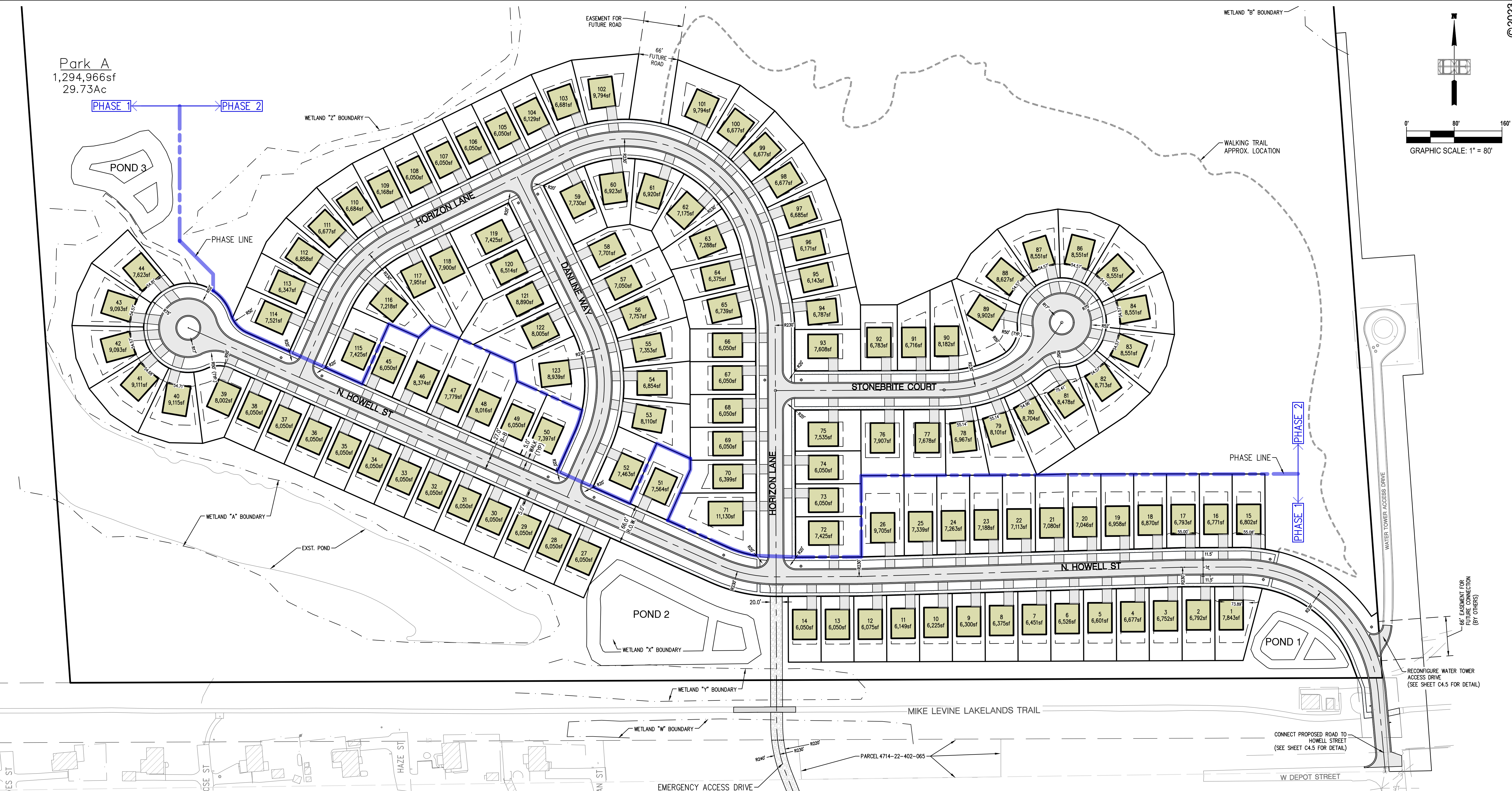
18245

1 = 100'

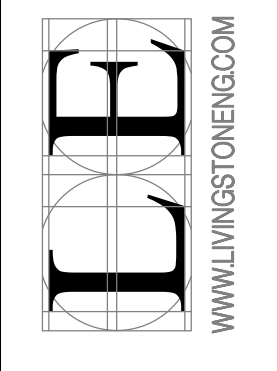
2

Park A
1,294,966sf
29.73Ac

PHASE 1 ← PHASE 2



©2023
LIVINGSTON ENGINEERING
CIVIL ENGINEERING SURVEYING PLANNING
3300 S. OLD U.S. 23, BRIGHTON, MI 48114
PHONE: (810) 225-7100
WWW.LIVINGSTONENG.COM



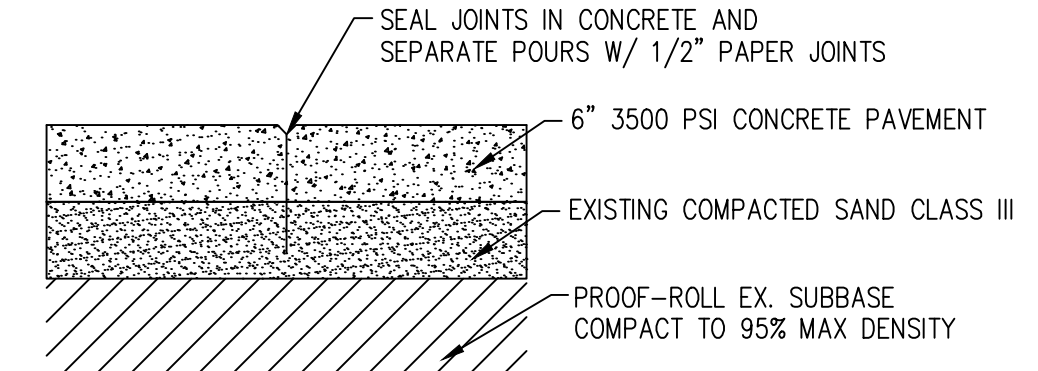
Client
PROGRESSIVE PROPERTIES
PO BOX 2709
SOUTHFIELD, MI 48037-2709
PH: 248.368.2210

LAKELAND KNOLL
FINAL SITE PLANS
VILLAGE OF PINKNEY, LIVINGSTON COUNTY, MICHIGAN
OVERALL LAYOUT PLAN

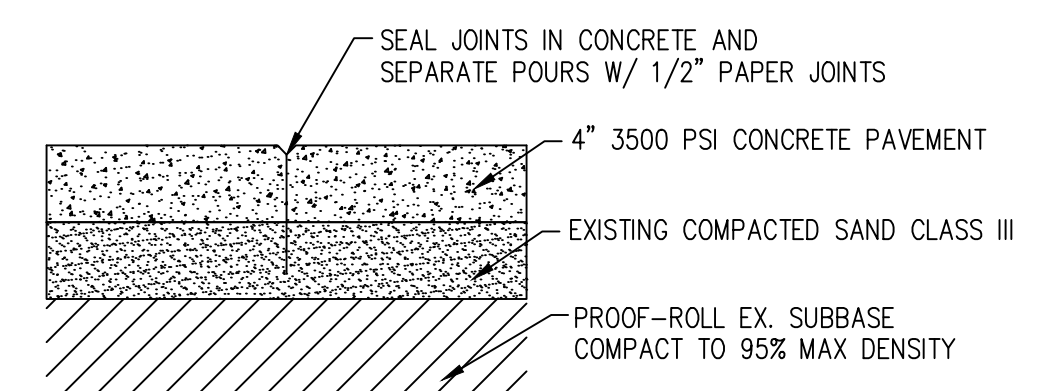
REVISIONS	DATE
REV. HORIZONTAL ALIGNMENT	07/12/2023
REV. LOT NUMBERS PER PHASING	04/28/2023
REV. PER VILLAGE	06/29/2023
FINAL SITE PLAN	09/20/2023

Drawn: JBR
Checked: TIZ
Approved: TIZ
Date: 12/17/2020

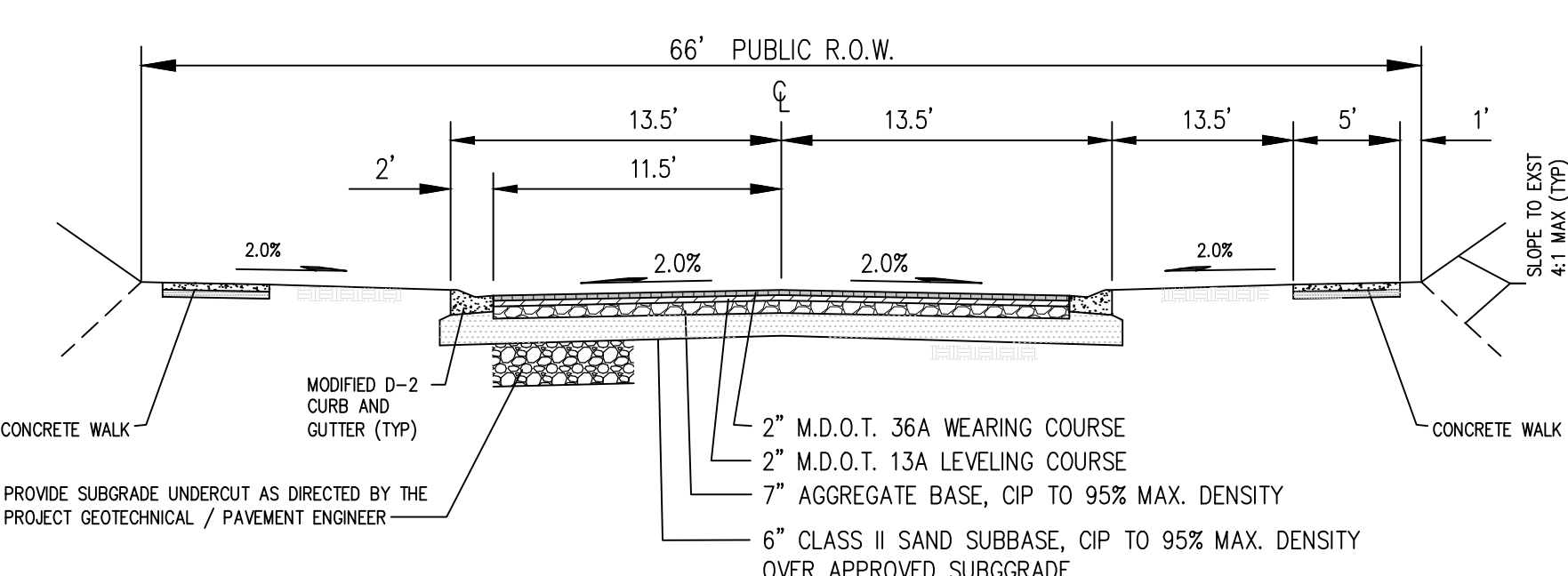
Job No. 18245
Scale: Vertical: 1" = 80'
Horizontal: NOT TO SCALE



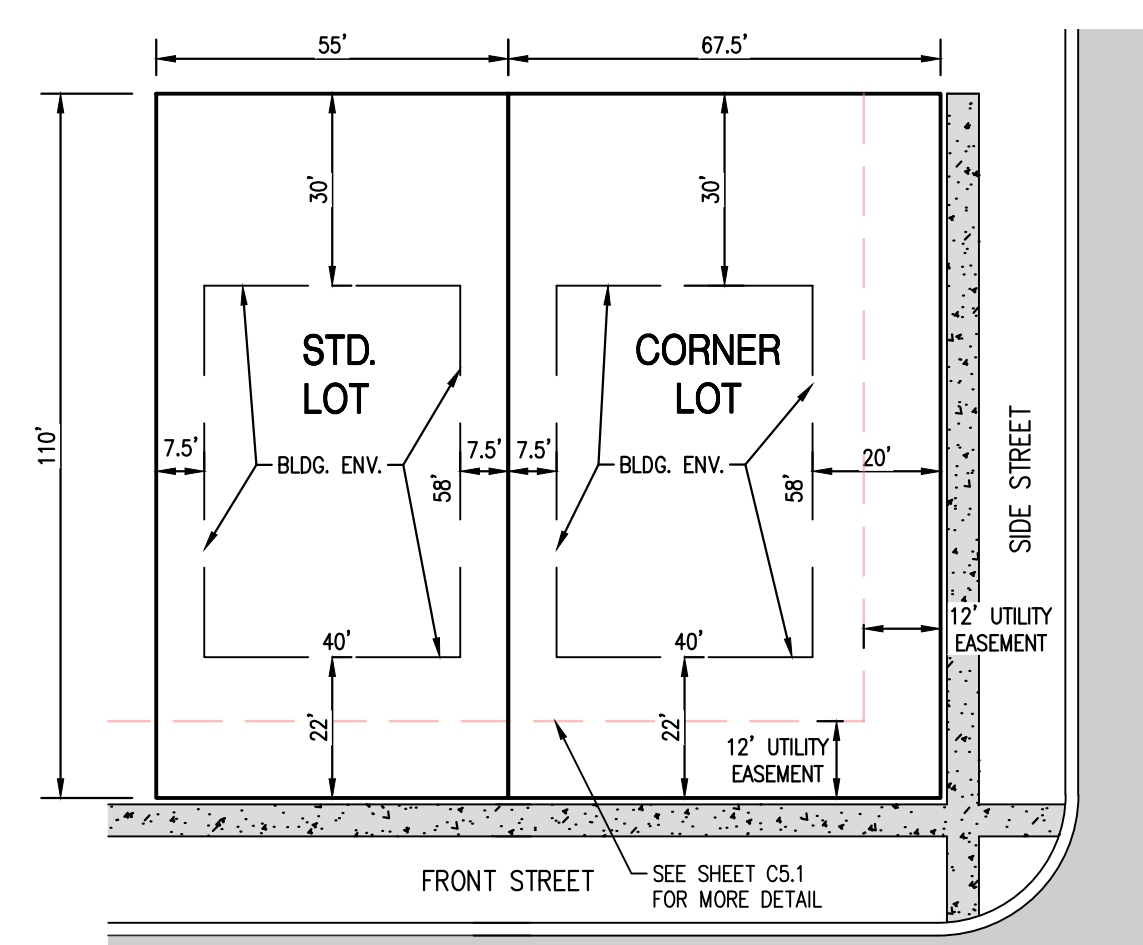
CONCRETE SIDEWALK SECTION (IN DRIVEWAY)
** FOR USE IN SIDEWALK AREAS THAT DO NOT ABUT PAVEMENT **
NOT TO SCALE



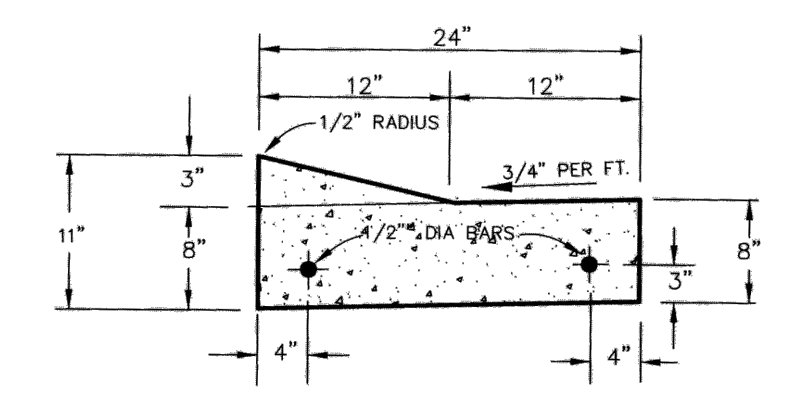
CONCRETE SIDEWALK SECTION
** FOR USE IN SIDEWALK AREAS THAT DO NOT ABUT PAVEMENT **
NOT TO SCALE



TYPICAL ROAD CROSS SECTION
NOT TO SCALE



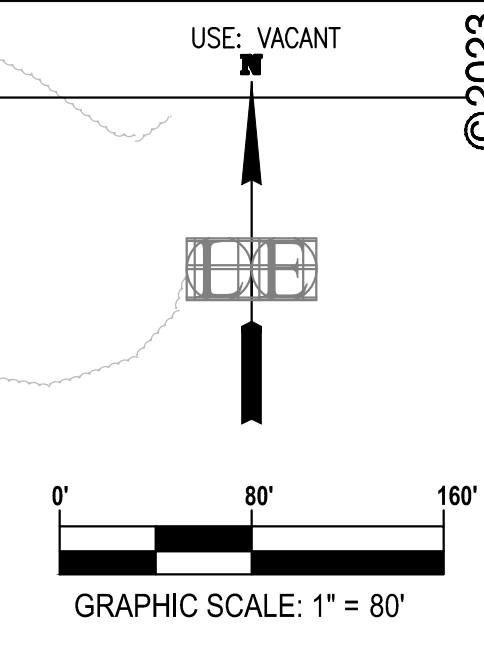
TYPICAL MINIMUM LOT DETAIL
SCALE: 1" = 30'



MODIFIED D-2 CURB & GUTTER DETAIL
NOTE: CONCRETE TO BE 3,000 P.S.I.
NOTE: TO BE USED IN ALL AREAS UNLESS OTHERWISE NOTED
NOT TO SCALE

FILE:C:\Users\jbr\OneDrive\Documents\Projects\2018\18245 Progressive Lakeland Knoll\Site Plan\18245_03_Overall Layout.dwg

Park A
1,294,966sf
29.73Ac



© 2023
LIVINGSTON ENGINEERING
CIVIL ENGINEERING SURVEYING PLANNING
3300 S. OLD U.S. 23, BRIGHTON, MI 48114
PHONE: (810) 225-7100
WWW.LIVINGSTONENG.COM

Client
PROGRESSIVE PROPERTIES
PO BOX 2709
SOUTHFIELD, MI 48037-2709
PH 248.368.2210

LAKELAND KNOLL
FINAL SITE PLANS
VILLAGE OF PINCKNEY, LIVINGSTON COUNTY, MICHIGAN
OVERALL UTILITY PLAN

DATE	REVISIONS
07/12/2023	REV. HORIZON LANE ALIGNMENT
04/28/2023	REV. LOT NUMBERS PER PHASING
06/29/2023	REV. PER VILLAGE
09/20/2023	FINAL SITE PLAN

Drawn: JBR	Checked: TIZ	Approved: TIZ	Date: 12/17/2020
Job No. 18245	Scale:	Vertical: T = 80'	Horizontal:

PARCEL: 14-23-100-0
ADDRESS: 619 PEARL
OWNER: B E D INVESTMENT EN
ZONING: RTO (RESEARCH TECHNOI
USE: COMMERCIAL

PARCEL: 14-23-11
OWNER: VILLAGE OF
ZONING: NOT REAL
USE: WATER TO

EX 16" D.I.P. WATER MAIN

CONNECT TO EX 16" D.I.P. WATER MAIN W/ TSV & W

P.O.B.

E. CORNER OF SEC. 22
EX 8" SAN @ 0.34%

EX 8" SAN @ 0.44%

EX 8" SAN @ 0.34%

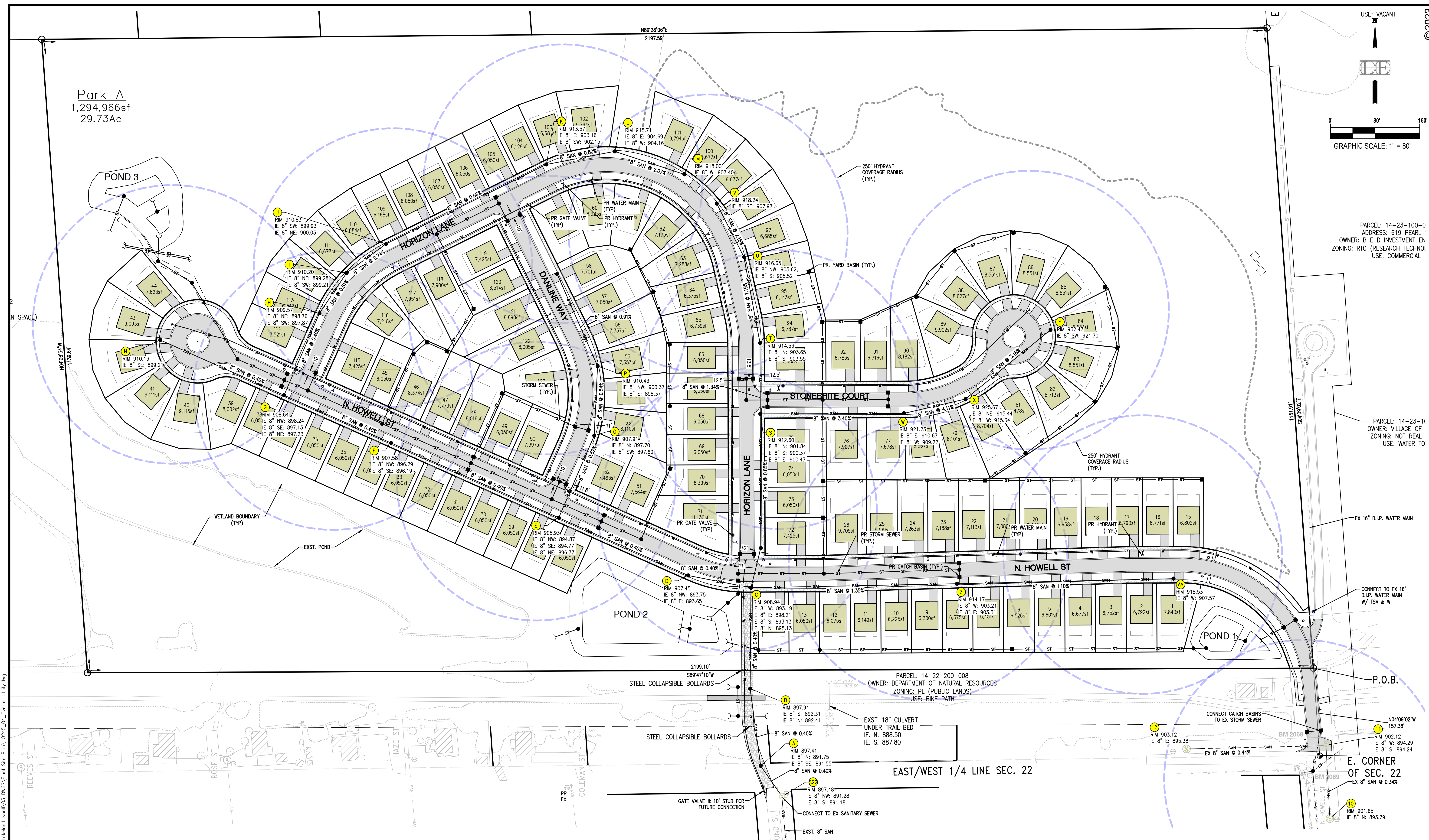
EX 8" SAN @ 0.44%

EX 8" SAN @ 0.44%

EX 8" SAN @ 0.44%

EX 8" SAN @ 0.44%

EX 8" SAN @ 0.44%



GENERAL UTILITY NOTES:

1. ALL SANITARY SEWER, STORM SEWER, & WATER MAIN SHALL BE DESIGNED AND CONSTRUCTED TO MEET VILLAGE OF PINCKNEY STANDARDS.
2. ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE DONE IN ACCORDANCE TO VILLAGE OF PINCKNEY STANDARDS.
3. THE DEVELOPMENT SHALL BE SERVICED BY SANITARY SEWER AND WATER MAIN. ALL LOTS SHALL BE SERVICED BY INDIVIDUAL SANITARY AND WATER LEADS.
4. GATE VALVES SHALL BE INSTALLED ON THE WATER MAIN IN ACCORDANCE WITH VILLAGE STANDARDS.
5. SEE SHEET C6.0 FOR PROPOSED DETENTION BASIN DETAIL AND STORM WATER MANAGEMENT PLAN.
6. VILLAGE OF PINCKNEY STANDARD DETAILS SHALL BE USED FOR ALL APPLICABLE CONSTRUCTION ACTIVITIES.
7. ALL UTILITY COMPANIES SHALL BE CONTACTED PRIOR TO CONSTRUCTION AND ALL UTILITIES LOCATED. ANY DISCREPANCIES OR CONFLICTS SHALL BE REPORTED TO ENGINEER FOR RESOLUTION PRIOR TO COMMENCING CONSTRUCTION.
8. UTILITY CROSSING INFORMATION IS SHOWN ON UTILITY PROFILES.

SANITARY SEWER NOTES:

1. SANITARY SEWER TO BE PVC PIPE SDR 26.
2. SANITARY LEAD SHALL BE PVC PIPE SDR 26 LAID AT A MIN. 1% GRADE.
3. ALL PIPE LENGTHS SHOWN ARE FROM C TO C OF STRUCTURE.
4. ALL SEWER WITHIN 1:1 SLOPE INFLUENCE OF EXISTING OR PROPOSED PAVEMENT SHALL HAVE COMPACTED SAND BACKFILL.
5. MAINTAIN A MIN. OF 18" VERTICAL CLEARANCE BETWEEN ALL UTILITIES.

STORM SEWER NOTES:

1. STORM SEWER TO BE RCP C76 CLIV.
2. ALL PIPE LENGTHS SHOWN ARE FROM C TO C OF STRUCTURE OR FROM C OF STRUCTURE TO END OF FLARED END SECTION.
3. ALL STORM SEWER WITHIN 1:1 SLOPE INFLUENCE OF EXISTING OR PROPOSED PAVEMENT SHALL HAVE COMPACTED SAND BACKFILL.
4. MAINTAIN A MIN. OF 18" VERTICAL CLEARANCE BETWEEN ALL UTILITIES.

WATER MAIN NOTES:

1. ALL PIPE LENGTHS SHOWN ARE FROM C TO C OF STRUCTURE/FITTING.
2. WATER MAIN TO BE DUCTILE IRON CLASS 54 OR PVC ANWA C900.
3. WATER SERVICE LEADS SHALL BE 1" DIA. DR18 PVC.
4. MAINTAIN A MIN. OF 18" VERTICAL CLEARANCE BETWEEN ALL UTILITIES.
5. ALL WATER MAIN/LEADS WITHIN 1:1 SLOPE INFLUENCE OF EXISTING OR PROPOSED PAVEMENT SHALL HAVE COMPACTED SAND BACKFILL.
6. TSV & W = TAPPING SLEEVE AND WELL

FILE:C:\Users\jbr\OneDrive\Documents\Projects\2018\18245 Progressive Labelend Acad\18245_Overall_Utility.dwg

Park A
1,294,966sf
29.73Ac

LIMITS OF GRADING

POND 1

WALKING TRAIL APPROX. LOCATION

LIMITS OF GRADING

WALKING TRAIL APPROX. LOCATION

EXST. POND

POND 2

POND 1

EXST. 18" CULVERT UNDER TRAIL BED

BM 2068

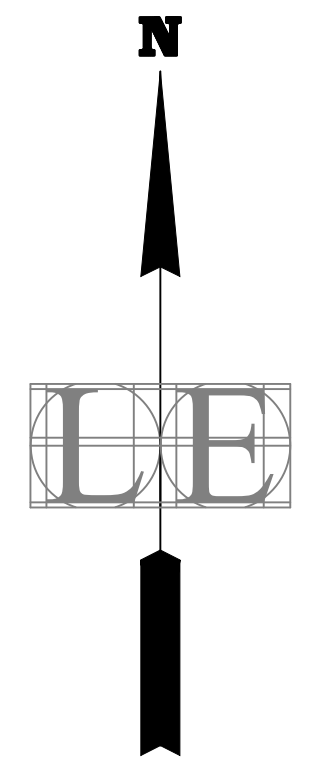
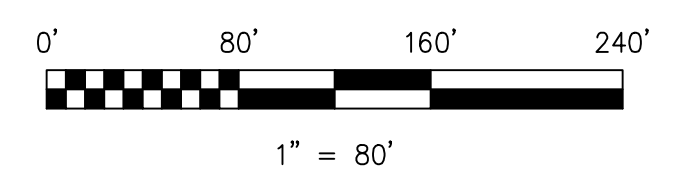
BM 2069

NOTE

1. THE AREAS TO BE LEFT UNDISTURBED DURING CONSTRUCTION ARE DEFINED BY THE LIMITS OF GRADING AND SHALL BE IDENTIFIED ON THE GROUND BY USE OF SNOW FENCING OR SILT FENCING SO AS TO BE OBVIOUS TO CONSTRUCTION PERSONNEL.

BENCHMARK #2069
STORM SEWER MANHOLE RIM
ELEVATION= 902.49

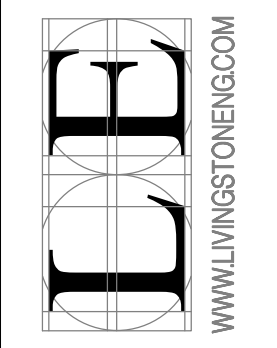
BENCHMARK #2068
GATE VALVE & WELL RIM
ELEVATION= 902.56



I:\C:\Users\jwain\OneDrive\Documents\Projects\2018\18245 Progressive Labeling\Acad\03 DWG\18245_05_Overall_Grading.dwg

© 2023

LIVINGSTON ENGINEERING
CIVIL ENGINEERING SURVEYING PLANNING
3300 S. O.L.D. U.S. 23, BRIGHTON, MI 48114
PHONE: (810) 225-7000 FAX: (810) 225-7699
WWW.LIVINGSTONENG.COM



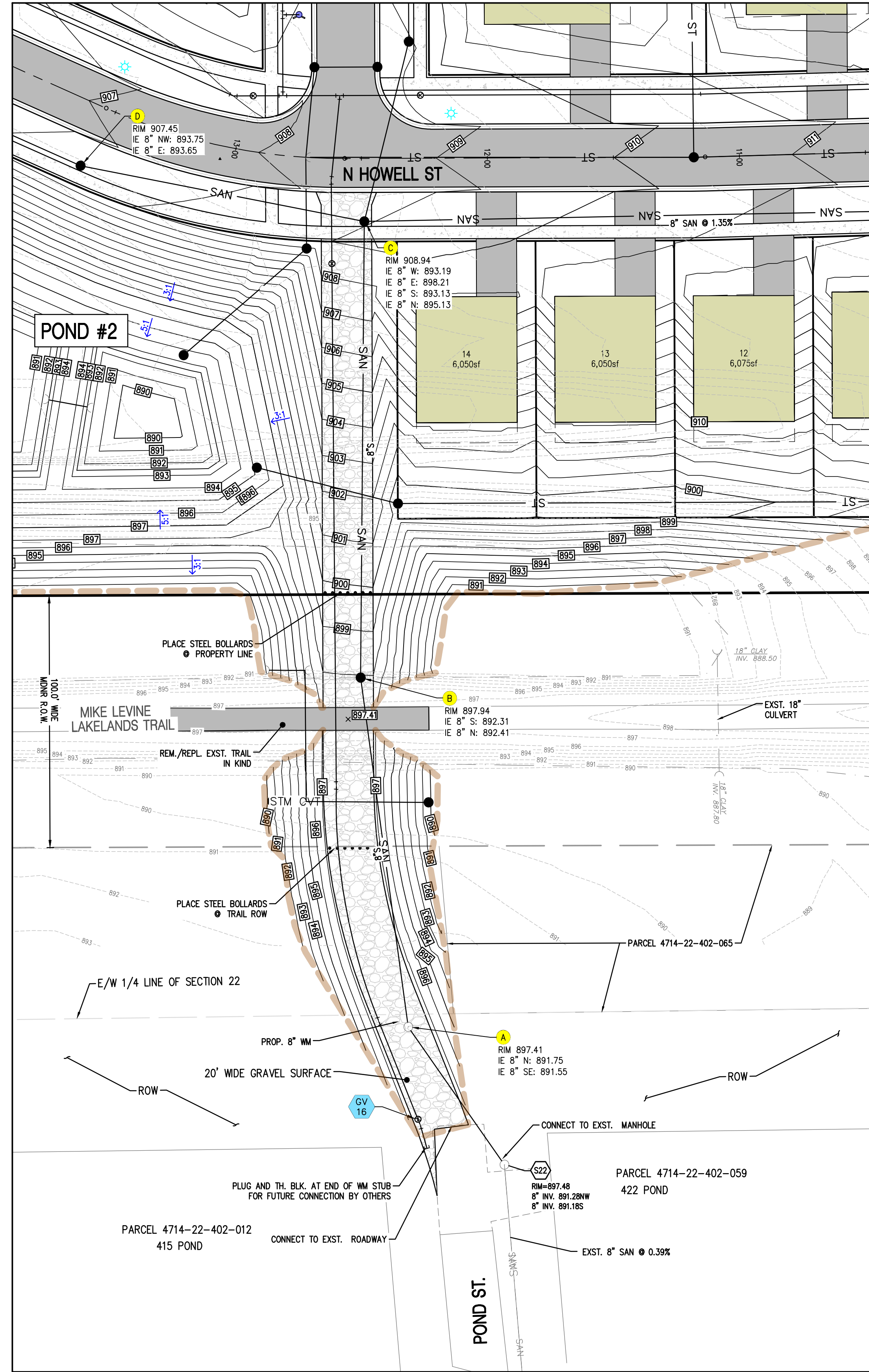
Client
PROGRESSIVE PROPERTIES
PO BOX 2709
SOUTHFIELD, MI 48037-2709
PH: 248.368.2270

LAKELAND KNOLL
FINAL SITE PLANS
VILLAGE OF PINCKNEY, LIVINGSTON COUNTY, MICHIGAN
OVERALL GRADING PLAN

REVISIONS	DATE
REV. HORIZON ALIGNMENT	07/12/2023
REV. LOT NUMBERS PER PHASING	04/28/2023
REV. PER VILLAGE	06/29/2023
FINAL SITE PLAN	09/20/2023

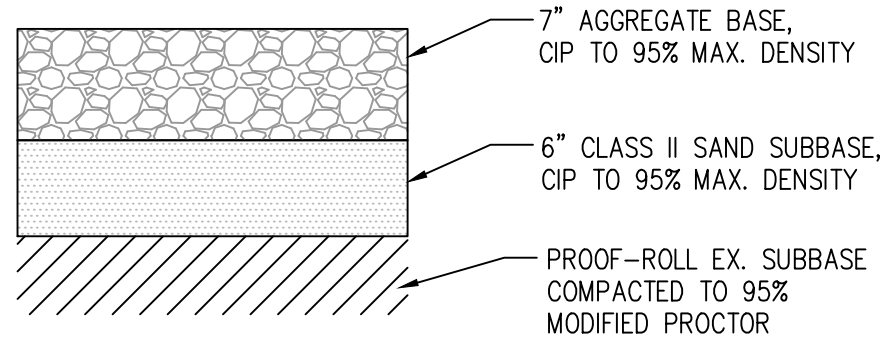
Drawn: jbr
Checked: TJZ
Approved: TJZ
Date: 12/17/2020

Job No. **18245**
Scale:
Vertical: **1" = 80'**
Horizontal:



CONNECTION TO POND ST DETAIL

1" = 30'



GRAVEL SURFACE SECTION

NOT TO SCALE

TrafficGuard, Inc.
PO Box 201, Geneva, IL 60134
Phone: 877-727-7347
Fax: 800-814-7194
www.trafficguard.net

Footing Detail

FOR MODEL: 2436

NOTE: CONCRETE, FORM AND REBAR PROVIDED BY OTHERS

18" CONCRETE PIER AT 42" BELOW GRADE

CONCRETE PIER ANCHOR SYSTEM (CPAS-2436)

ITEM	DESCRIPTION	QTY.
1	ANCHOR BOLT KIT	4
2	1/2" x 12" TYPE L ANCHOR BOLT-H.D.G.	4
3	1/2" TYPE A FLAT NARROW WASHER GALVANIZED STEEL	4
4	1/2" HEX NUT GALVANIZED STEEL	8

*Anchor Bolt Kit included only if ordered at an additional cost.

INDENTATIONS ARE SHOWN WHERE CAST IN PLACE ITEMS 3 & 4.

INSTALL FOUR #15" #3 REBAR HOOP TIES AT LOCATIONS SHOWN WITH 12" MIN LAP.

USE CARDBOARD FORM TUBE AT NEEDED LENGTH TO SECURE EARTH.

INSTALL FOUR VERTICAL #4 REBAR 37" LONG

Two-Way Collapsible Bollard
(Model # 2436)

"The Two-Way Collapsible Bollard"

Standard Features Include:

- Surface:** Smooth surface bollard post at 30" or 36" height and painted with highly durable "Safety Yellow" finish are standard for high visibility and no sharp edges.
- Heavy Duty:** The bollard shall be installed with the appropriate detail per "Bollard Post Concrete Anchorage Details". Other anchorage systems may cause premature failure.
- Proven Performance:** References Available Upon Request
- Low Maintenance:**
- Warranty:** \$1,000,000 Liability Coverage

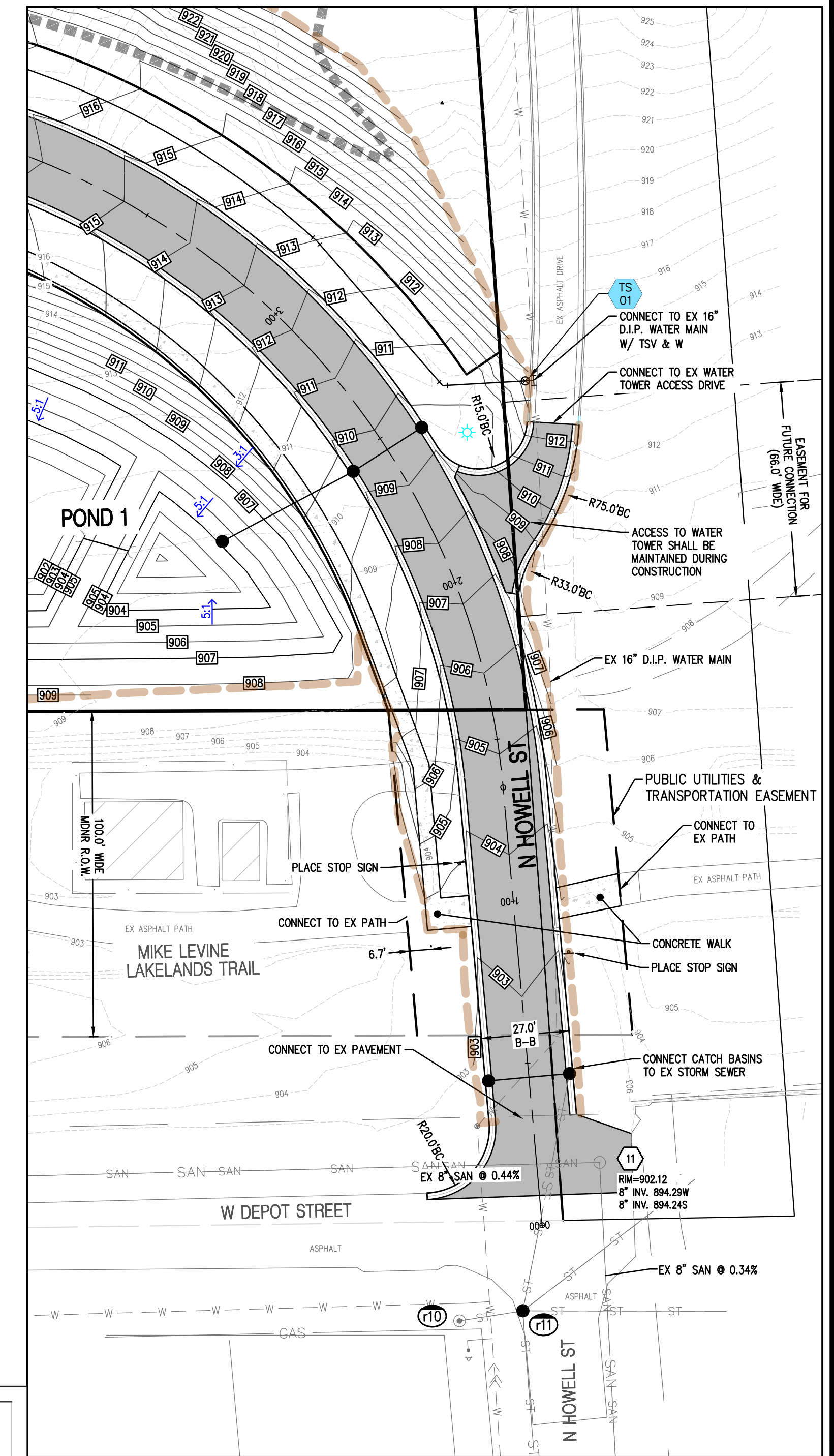
Ease of Use in Three Easy Reversible Steps

- Remove the Padlock and Lock Pin.
- Lower the 2x6 Bollard Post.
- Install the Lock Pin and Padlock.

Use the reverse procedure to raise the bollard post.

TrafficGuard, Inc.
PO Box 201, Geneva, IL 60134
Phone: 877-727-7347
Fax: 800-814-7194
www.trafficguard.net

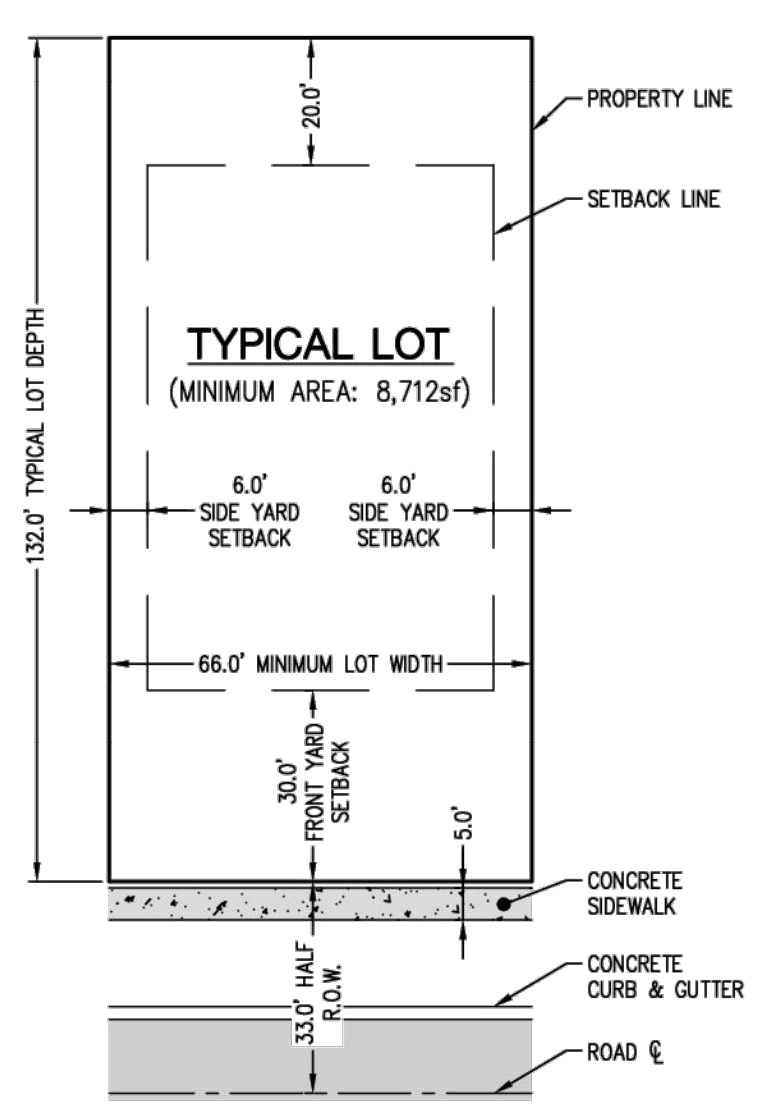
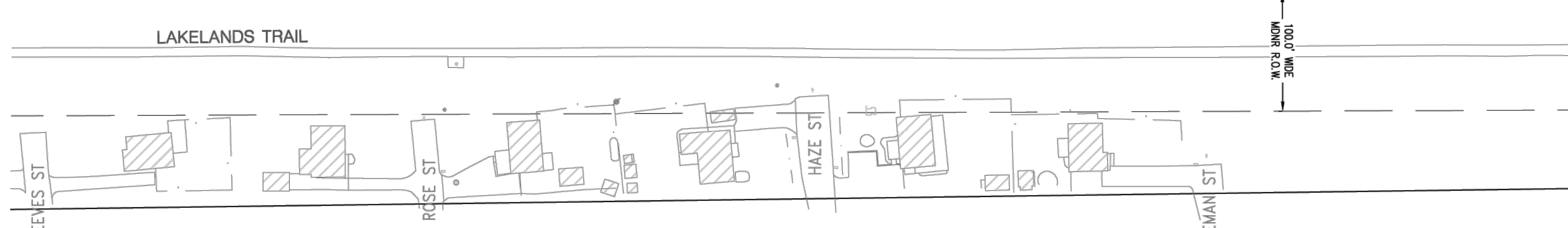
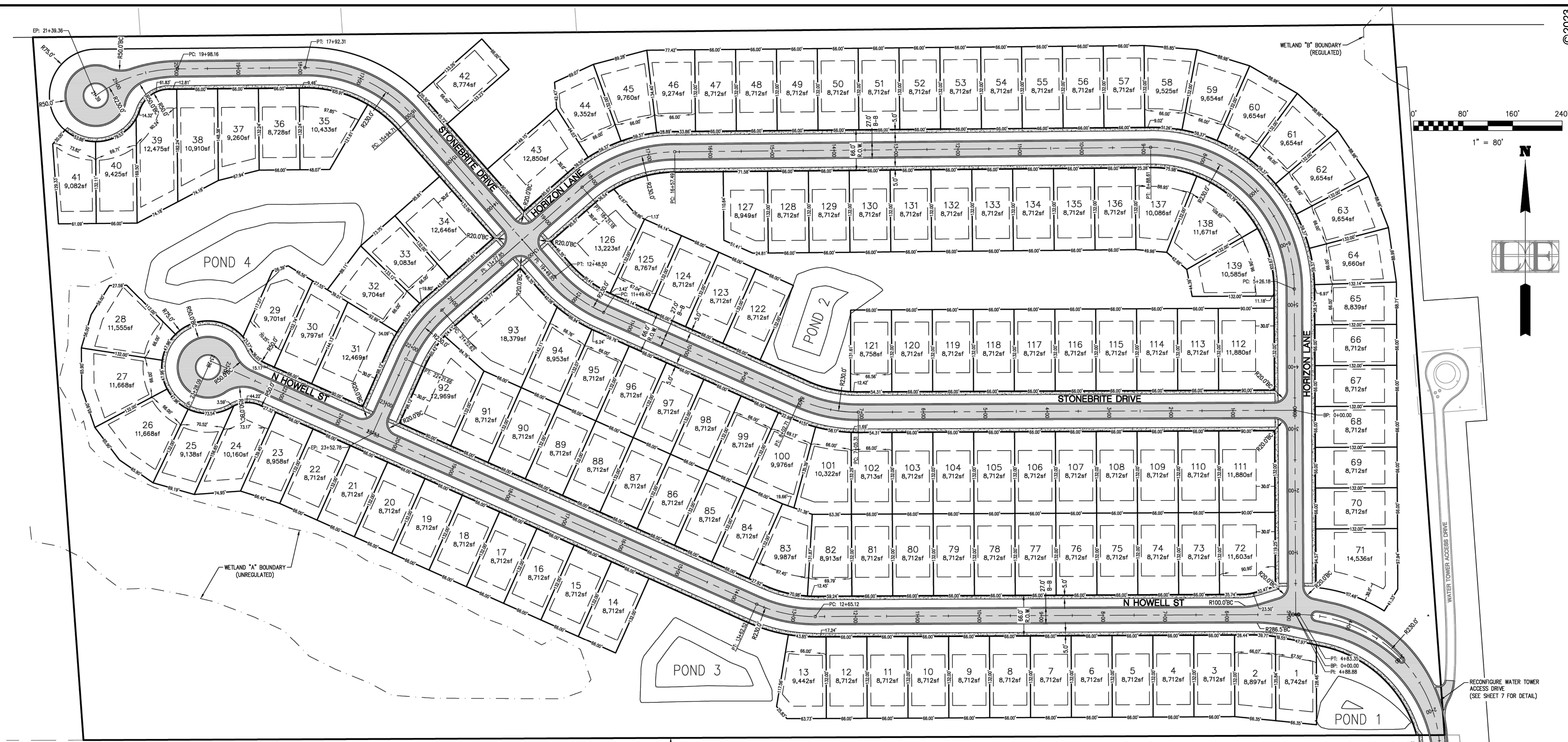
2436



CONNECTION TO HOWELL ST DETAIL

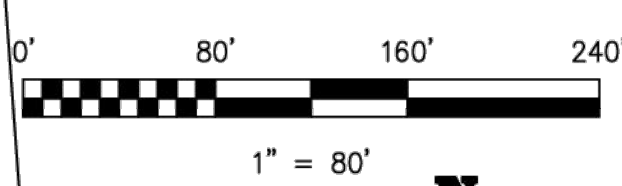
1" = 30'

FILE C:\Users\jvaer\Dropbox (Jvaer)\Projects\2018\18245 Progressive Labeled.kcd\03 DWG\18245_Parallel_Plan.dwg



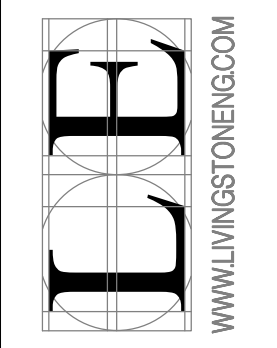
SITE DATA TABLE

PARCEL NUMBERS:	14-22-200-004 14-22-200-005
ZONING:	R-3 (HIGH DENSITY RESIDENTIAL) R-3 (HIGH DENSITY RESIDENTIAL)
USE:	VACANT RESIDENTIAL (SITE CONDOMINIUM)
TOTAL PROPOSED LOTS =	139
LOT:	MINIMUM LOT AREA: 8,712sf MINIMUM LOT WIDTH: 66ft MAXIMUM LOT COVERAGE: 40% MAXIMUM BUILDING HEIGHT: 2.5 STORIES / 35ft
SETBACKS:	MINIMUM FRONT YARD: 30ft MINIMUM SIDE YARD(EACH): 6ft MINIMUM REAR YARD: 20ft



©2023

LIVINGSTON ENGINEERING
 CIVIL ENGINEERING SURVEYING PLANNING
 3300 S. OLD U.S. 23, BRIGHTON, MI 48114
 PHONE: (810) 225-7000 FAX: (810) 225-7699
 WWW.LIVINGSTONENG.COM



Client
PROGRESSIVE PROPERTIES
 PO BOX 2709
 SOUTHFIELD, MI 48037-2709
 PH: 248.368.2210

LAKELAND KNOLL
 FINAL SITE PLANS
 VILLAGE OF PINCKNEY, LIVINGSTON COUNTY, MICHIGAN
 PARALLEL PLAN

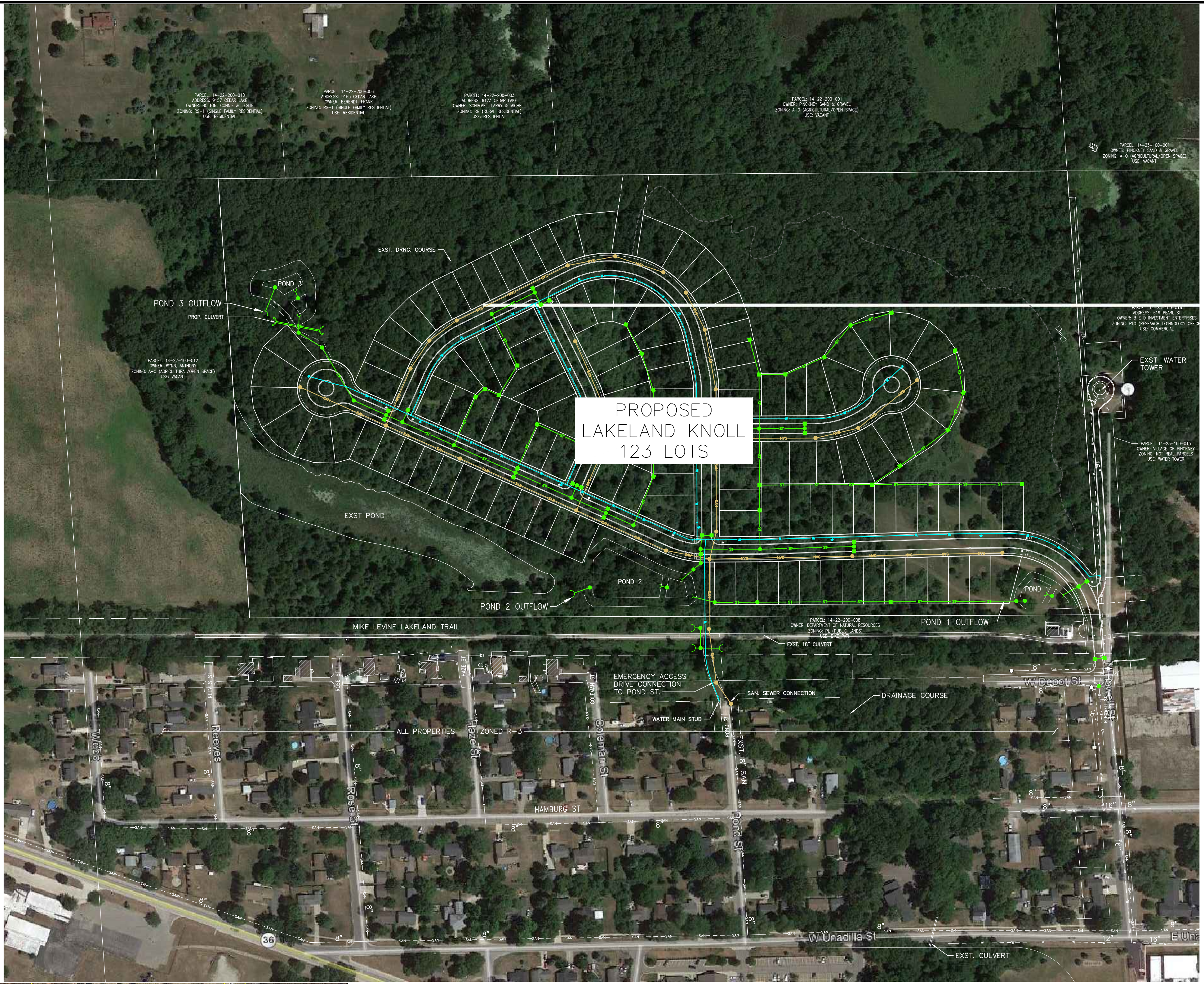
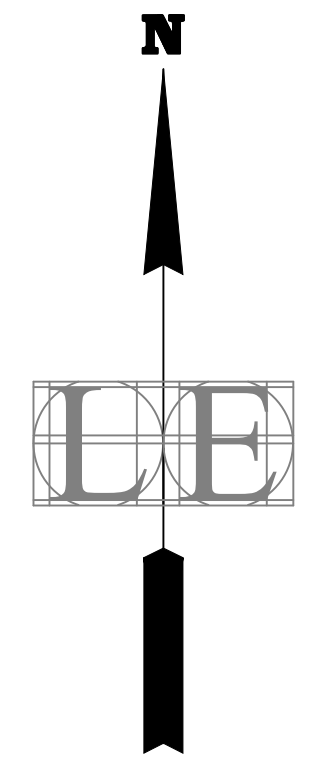
DATE	07/12/2023
REV. NO.	04/28/2023
REV. DESCRIPTION	REV. PER VILLAGE
REV. DATE	06/29/2023
REV. DESCRIPTION	FINAL SITE PLAN
REV. DATE	07/27/2023

Drawn: jbr	Checked: tjz	Approved: tjz	Date: 12/17/2020
------------	--------------	---------------	------------------

Job No. **18245**
 Scale: Vertical: **1" = 80'**
 Horizontal:

PARCEL NO.S AND OWNERS

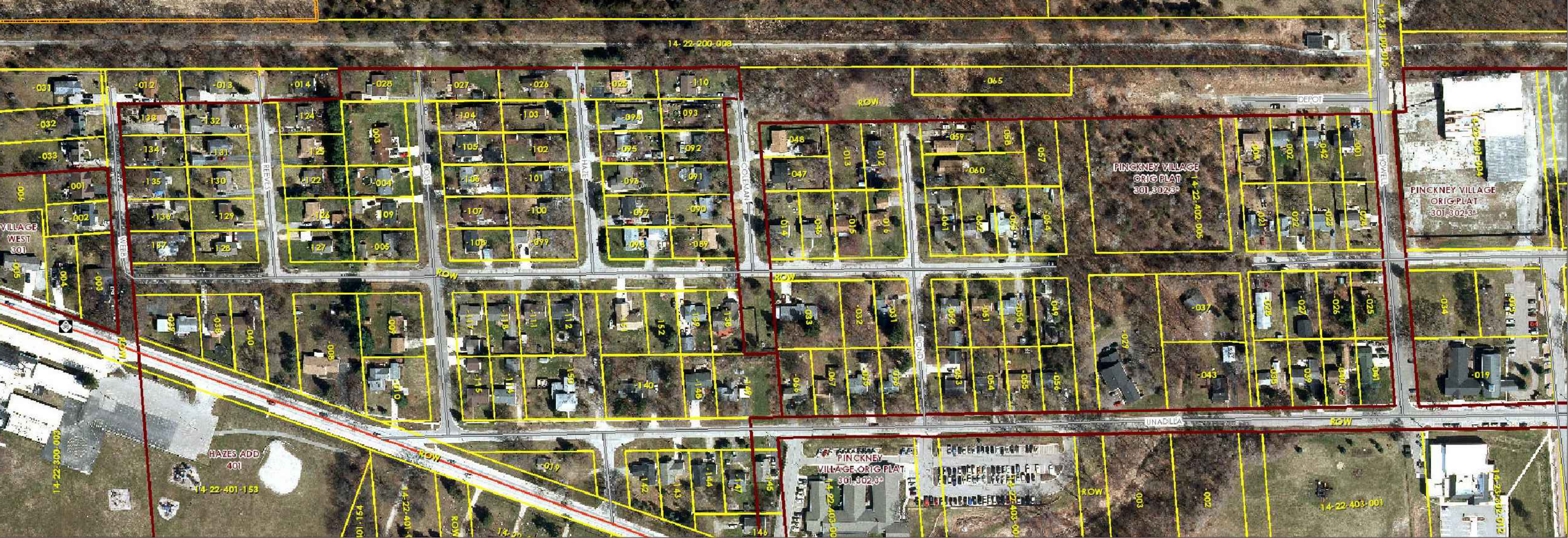
REEVES STREET:	HAZE STREET:	POND STREET:	UNADILLA STREET:
4714-22-400-014 BOURQUE, DENISE TRUST	4714-22-401-026 BALL, DENNIS & DENISE	4714-22-402-013 JENKINS, MICHAEL, MARY & RYAN	4714-22-402-041 HARTMANN, GEOFFREY & RENO, KATHRYN
4714-22-401-124 CORKIN, CRAIG & ELIZABETH	4714-22-401-023 BECK, MARK & DIANNA	4714-22-402-016 STOHAM, CELIE	4714-22-402-040 LAUX, GARY & JOANNE
4714-22-401-125 BABBITT, JOSEPH	4714-22-401-103 DECKER, ELIZABETH & ENGEL, MICHAEL	4714-22-402-057 MANHOFER, J	4714-22-402-039 MCLELLAND, CHRISTOPHER & SHEILA
4714-22-401-122 NEITZ, DANE	4714-22-401-102 WISE, ROBERT & CRYSTAL	4714-22-402-058 PIERSON, THEODORE II	4714-22-402-038 HUME, PATRICIA
4714-22-401-126 COUCHMAN, CYNTHIA	4714-22-401-101 TICE, JOHN & LEAH	4714-22-402-059 CLINE, GARRIE	4714-22-402-043 CLINGAN, KENNETH & DORIS
4714-22-401-127 MULLINS, REBECCA	4714-22-401-100 PARTIN, STEWART & SARAH	4714-22-402-060 MARHOFER, JOYCE	4714-22-402-056 EVERETT, DENISE
ROSE STREET:	4714-22-401-099 SPENCE, LAURA	4714-22-402-051 BURNS, STACY	4714-22-402-055 GAMBRELL, ERIC
4714-22-401-028 CONELLA, JOHN & JANINE	4714-22-402-064 WALDORF, CONRAD & CAROL	4714-22-402-052 6990 HOLDING LLC	4714-22-402-054 MANFREDINI, KENNETH
4714-22-401-027 SALISBURY, TRAVIS & DANIELLE	4714-22-402-065 SCHLAFF, MARY SINGER & SINGER	4714-22-402-032 WILKINSON, DENNIS	4714-22-402-053 MAUIS, MICHAEL
4714-22-401-003 MOYER, KENNETH & ROBIN	4714-22-401-096 MCMINNIE, DAVID & PATRICIA	4714-22-402-033 HUBBARD, CHARLES & LAUREL	4714-22-402-036 CLEMENT, JENNIFER
4714-22-401-004 MCARTHY, STEVEN	4714-22-401-097 GALLIHER, GREGORY & DONNA	4714-22-402-002 DOUGLAS, WALTER & JENNIFER	4714-22-402-035 SHUR, LESLIE
4714-22-401-109 PROCTOR, STUART & TINA	4714-22-401-088 LABELLE, DONALD & NANCY	4714-22-402-046 DR HOMES LLC	4714-22-402-067 JUNGKIND, JON
4714-22-401-005 JAMES JR, CHARLES & REBECCA	4714-22-401-110 SCHULTZ, NATALIE	4714-22-401-138 WILLIAMS, DEREK	4714-22-402-066 PAPICH, KENNETH
4714-22-401-009 DOROSH, DAVIS	4714-22-401-093 SOZHANG, DWAYNE	4714-22-401-139 WIMMERS, ANDREW	4714-22-401-149 SPENCE, JUDY
4714-22-401-010 HO, MING-HSIUAN	4714-22-401-092 ROOT, MICHAEL	4714-22-401-152 SHERRY, EDWIN	4714-22-401-148 SPENCE, JERAMI
4714-22-401-104 MYERS, MICHAEL	4714-22-401-091 BAUER, TRISHA SUE TRUST	4714-22-402-005 MCLRATH, PATRICIA	4714-22-401-140 BURNS, BARBARA
4714-22-401-105 KNAPP, TIM & CHRISTY	4714-22-402-015 410 HAMBURG LLC	4714-22-402-014 LEE, JASON	4714-22-401-150 MYERS, MICHAEL
4714-22-401-106 THOMAS, JUSTIN & REBECCA	4714-22-402-021 USITALO, GEORGE JR	4714-22-401-111 BRUSH, JAMIE	4714-22-401-115 FEAZEL, TREVOR & MICHELLE
4714-22-401-107 OLENKA, AMY	4714-22-402-022 VEDA, SOLORES	4714-22-401-118 HALL, MARY	4714-22-401-114 PROVENCHER, AME
4714-22-401-108 SCHAUFFELE, ANNA	4714-22-402-048 WILSON, KEVIN	4714-22-401-117 DAVIS, LORI	
	4714-22-402-047 MELOCHE, JAMES	4714-22-402-023 HARAJ, BENJAMIN	
		4714-22-402-024 KMPFL, CATHERINE & FLORIAN	
		4714-22-402-025 HO, MING-HSUA	
		4714-22-402-026 WILTSE, LISA	



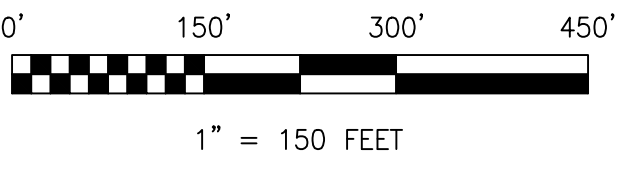
PROPOSED
LAKELAND KNOLL
123 LOTS

VILLAGE TAX PARCEL MAP

SCALE: 1" = 200 FEET



AREA-WIDE PLAN



1" = 160'

©2023

Client: PROGRESSIVE PROPERTIES
PO BOX 2709
SOUTHFIELD, MI 48037-2709
PH: 248.368.2210

LAKELAND KNOLL
FINAL SITE PLANS
VILLAGE OF PINCKNEY, LIVINGSTON COUNTY, MICHIGAN
AREA-WIDE PLAN

LIVINGSTON ENGINEERING
CIVIL ENGINEERING SURVEYING PLANNING
3300 S. O.L.D U.S. 23, BRIGHTON, MI 48114
PHONE: (810) 225-7000
WWW.LIVINGSTONENG.COM

REV. NO.	DATE	DESCRIPTION
01	02/17/2023	REV. HORIZONTAL ALIGNMENT
02	04/28/2023	REV. LOT NUMBERS, FEE PHASING
03	06/29/2023	REV. PER VILLAGE
04	08/31/2023	FINAL SITE PLAN

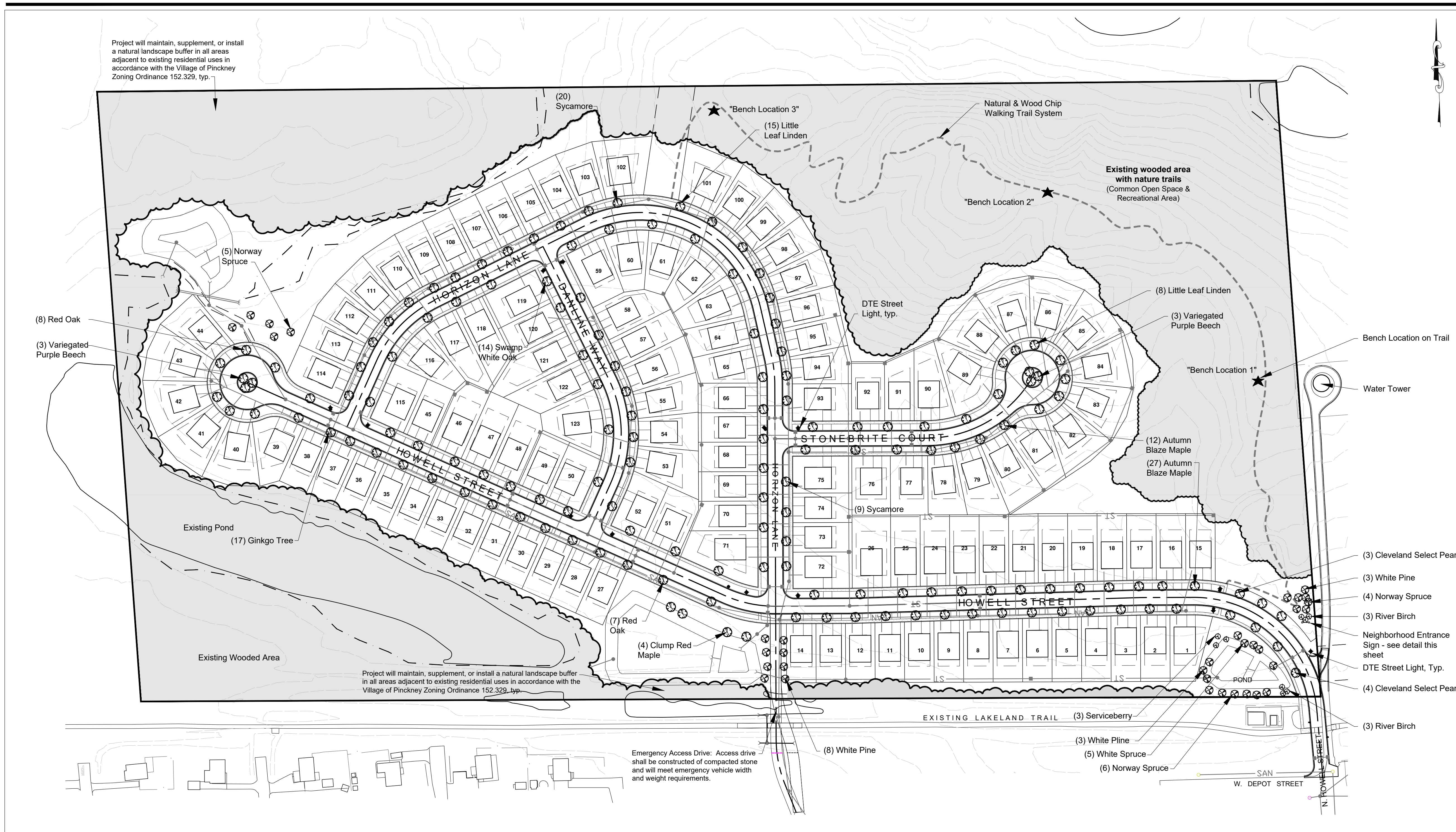
Drawn: JBR	Checked: TIZ	Approved: TIZ	Date: 12/17/2020
Job No. 18245	Scale: Vertical: 1" = 160'	Horizontal:	

FILE:C:\Users\jbr\OneDrive (Livingston)\Projects\2018\18245 Progressive Lakeland Knoll Site Plan\18245_08_Area Wide Plan.dwg

LANDSCAPE PLANTING NOTES:

- Contractor shall be responsible for contacting and coordinating with all pertinent utility companies 72 hours in advance of any digging to make themselves familiar with all underground utilities, pipes and structures. Contractor shall take sole responsibility for any cost incurred due to damage of said utilities or structures.
- Contractor shall not willfully proceed with construction as designed when it is obvious that unknown obstructions and/or grade differences exist. Such conditions shall immediately be brought to the attention of the Owner's Representative. The contractor shall assume full responsibility for all necessary revisions due to failure to give such notification.
- Any discrepancies between dimensioned layout and actual field conditions shall be reported to the Owner's Representative. Failure to make such discrepancies known will result in contractor's responsibility and liability for any changes and associated costs.
- Contractor shall be responsible for any coordination with subcontractors as required to accomplish construction installation operations.
- Contractor shall provide and maintain positive surface drainage.
- Contractor shall be responsible for any existing materials that are damaged during construction.
- See Plant & Material List and Planting Details for planting requirements, materials and execution.
- All trees shall have a clay loam or clay root ball. Trees with sand root balls will not be accepted.
- All tree varieties and substitutions to be approved by the Owners Representative prior to being delivered to the site. Any plant material delivered to the site not previously approved may be rejected and is the sole responsibility of the contractor.
- The location of all plant material shall be scaled from drawings or interpreted from plant list. Final location of all plant material shall be subject to approval from the Owner's Representative.
- The contractor shall "water in" and fertilize all plants immediately after planting.
- The contractor shall guarantee all trees, shrubs, ground cover and other plant materials for one year from the date of installation, including labor and removal and disposal of dead material.
- Contractor shall install 3" depth Shredded Hardwood Mulch in all shrub and tree planting beds unless otherwise indicated. Peat Moss is to be installed in all annual flower, perennial flower and ground cover planting beds. Such beds shall have no shredded mulch.
- All plant material shall be nursery grown. All trees and plant material shall meet the current standards of the American Society of Nurseryman.
- All diseased, damaged, or dead landscape material shall be replaced by the end of the following growing season.
- Contractor shall adhere to all soil erosion prevention methods as directed within civil engineering drawings and Municipal Ordinance including maintaining silt fencing and ensuring that soil, silt and other debris is prevented from leaving site or entering area drains, sewer inlets, creeks or natural areas.
- All unpaved areas within impacted development zones to be hydro-seed lawn areas, mulch beds or groundcover.
- Residential Lighting: Each home will have a front porch light and 2 carriage lights at the garage door.
- Street Lighting: Decorative Street Lights will be located at street intersections and the neighborhood entrance. Street Lighting will be designed, installed, and maintained by DTE in accordance with the DTE Street Lighting program.
- Mailboxes: Decorative mailboxes will be located curbside in front of homes in a traditional format, grouped in pairs, in order to avoid a suburban style mail kiosk and congestion at the main entrance. Developer will coordinate with the USPS for final locations.

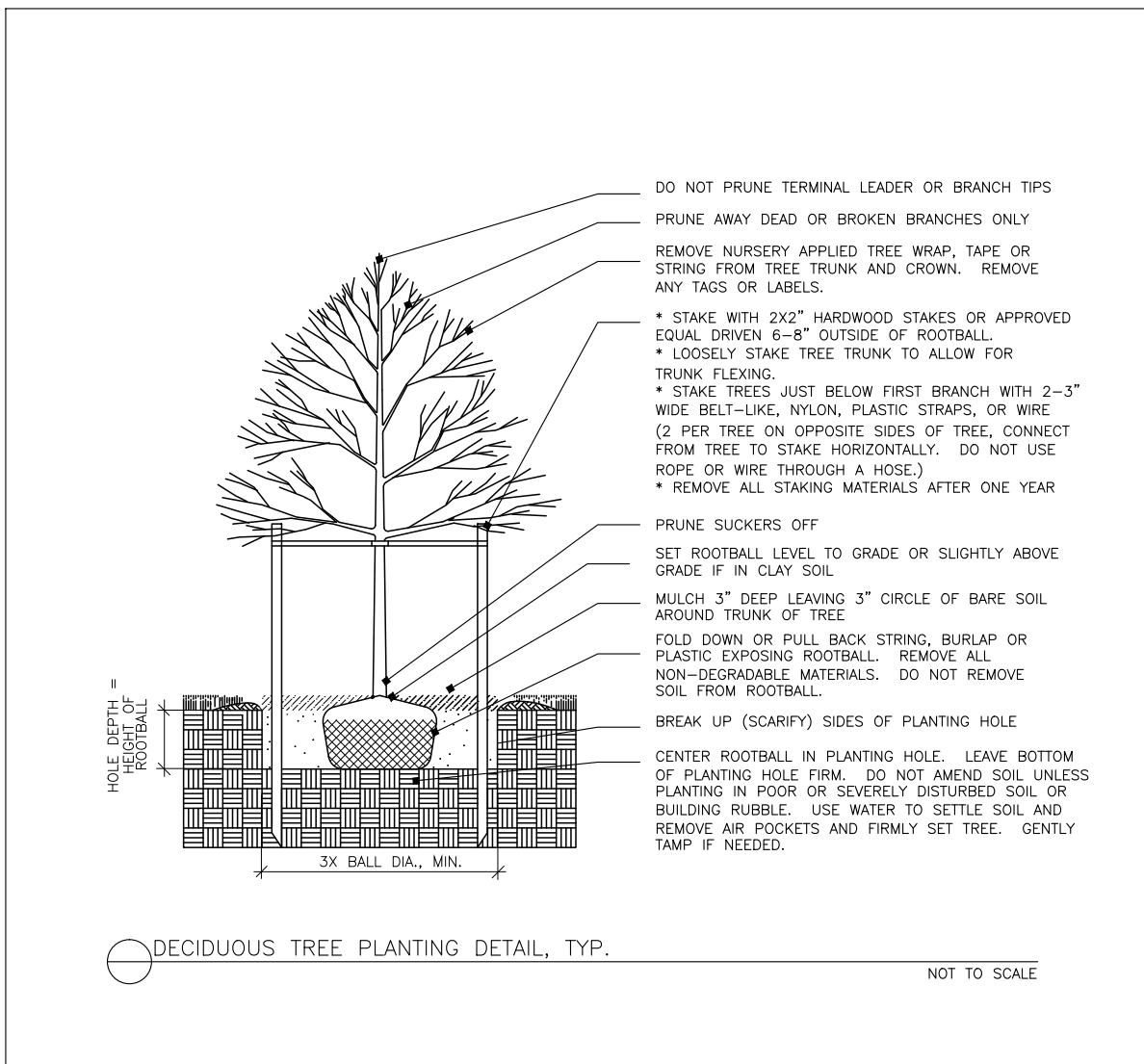
STREET TREE & COMMON AREA PLANTING PLAN:



CONDITIONS OF PLANNING COMMISSION FOR PRELIMINARY APPROVAL: July 8, 2020

- Perimeter Landscape Buffer: The project will maintain, supplement, or install a natural landscape buffer in all areas adjacent to existing residential uses in accordance with the Village of Pinckney Zoning Ordinance 152.329, typ.
- Common area landscape elements and trees shall be planted by the developer at the time of construction of each phase.
- The wood chip Walking Trail within the open space will be built during Phase One construction and will connect to the proposed sidewalk system.
- An identification sign indicating a name for each bench location will be installed at benches along the walking trail to aid in emergency response location identification. Names shall be "Bench 1", "Bench 2", & "Bench 3" and correspond with locations shown on this plan above.
- Developer will coordinate Emergency Access barrier type, access, and location with Fire Marshal

PLANTING DETAILS:



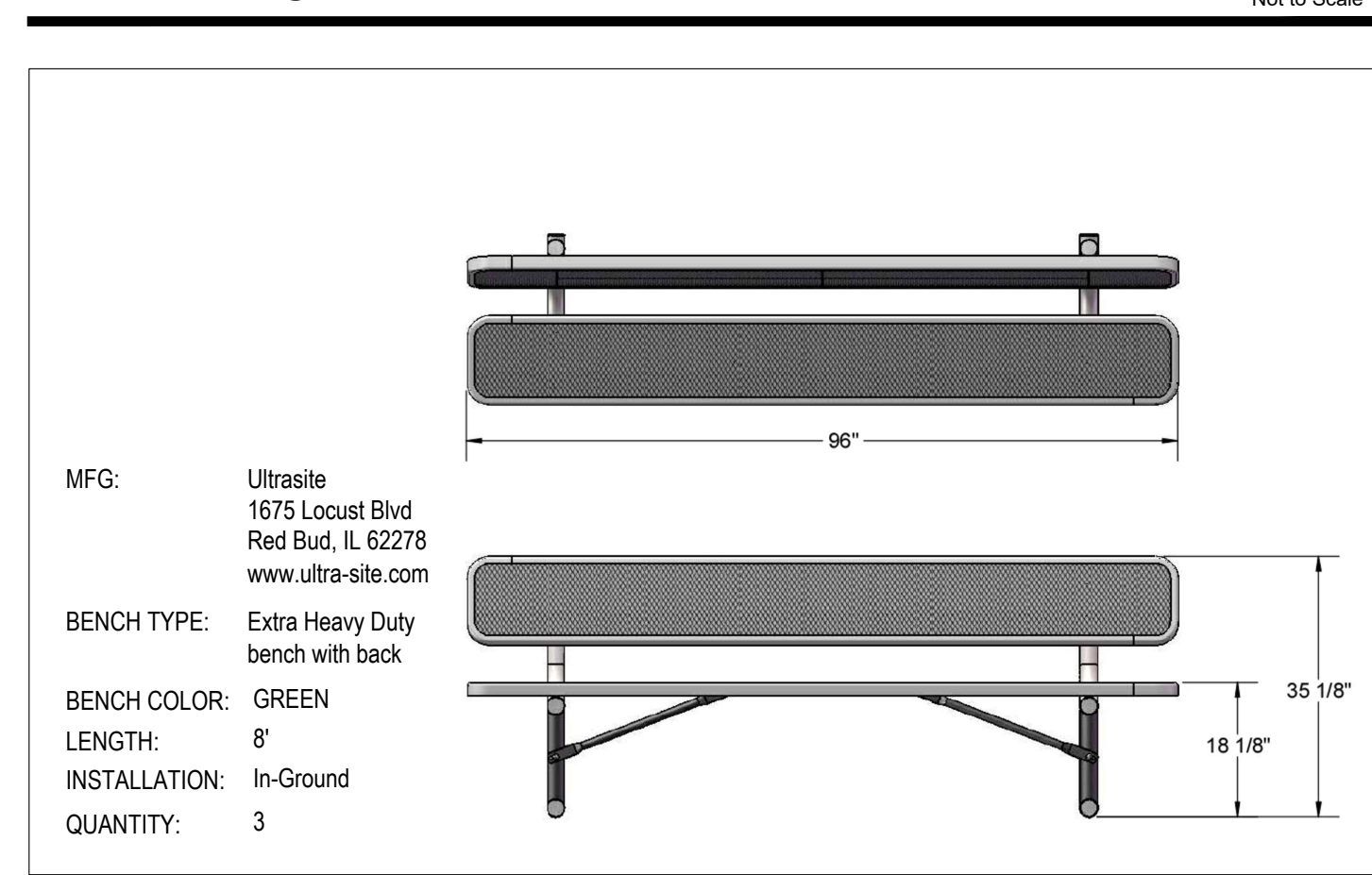
COMMON AREA PLANT LIST:

QTY.	DESCRIPTION	SIZE / ROOT	QTY.	DESCRIPTION	SIZE / ROOT
15	Picea abies Norway Spruce	8', B&B	23	Tilia cordata Little Leaf Linden	2-1/2" cal., B&B
5	Picea glauca White Spruce	8', B&B	6	Betula nigra River Birch	10', B&B, Multi-stem
14	Pinus strobus White Pine	8', B&B	14	Quercus bicolor Swamp White Oak	2-1/2" cal., B&B
6	Fagus sylvatica 'Atropunicea' Variegated Purple Beech	2-1/2" cal., B&B	15	Quercus rubra Red Oak	2-1/2" cal., B&B
39	Acer x freemanii 'Jeffersred' Autumn Blaze Red Maple	2-1/2" cal., B&B	29	American Sycamore Platanus occidentalis	2-1/2" cal., B&B
4	Acer rubrum Clump Red Maple	8', B&B	17	Ginkgo biloba Maidenhair Tree (Male Only)	2-1/2" cal., B&B
7	Pyrus callaryana Cleveland Select Pear	2-1/2" cal., B&B	3	Amelanchier arborea Downy Serviceberry	8-10', B&B

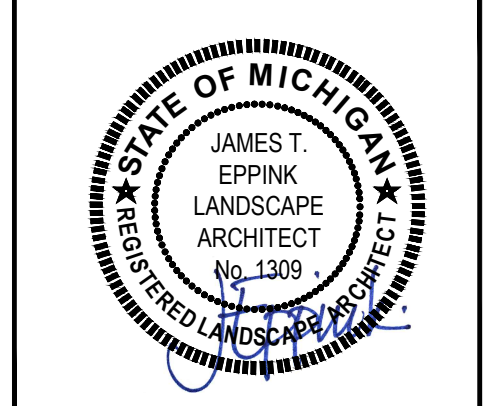
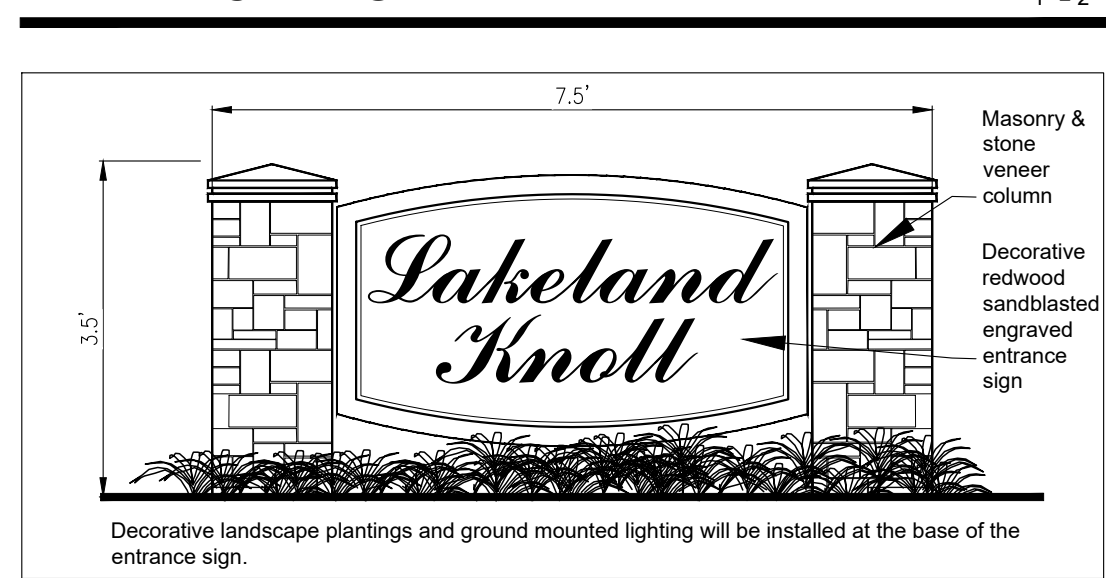
Ground Cover :
All common area landscape areas that do not contain trees, shrubs, planting beds, or within natural or wooded areas, shall be covered with living ground cover (most commonly mowable grass), and/or organic mulch. Stone or aggregates shall not be accepted as ground cover. Ground cover shall be planted in sufficient quantity to present a finished appearance within one growing season and shall not exceed 18" in height at maturity.

Common Open Space :
All common area open space, including the existing wooded areas, wood chip trails, and entrance features, shall be maintained by the Homeowners Association and controlled by the terms within the Master Deed and Bylaws.

TRAIL BENCH:



ENTRANCE SIGN:



J EPPINK PARTNERS, INC.
Urban Design Studio
Landscape Architecture
Traditional Town Planning
9336 Sashabaw Road
Clarkston, Michigan 48348
248.922.0789

The ideas and design concepts expressed herein and the graphically displayed arrangement of their components represented by this drawing have been developed for the exclusive use of the specified project and are the sole property of J EPPINK PARTNERS, INC. Any conveyance or disclosure of the ideas or design concepts or use of any graphically displayed arrangements of their components shall be at the discretion of and only through the expressed written consent of J EPPINK PARTNERS, INC.
© 2021 J EPPINK PARTNERS, INC

Project:
Lakeland Knoll
Village of Pinckney, Mi.

Owner:
Progressive Properties
PO Box 2709
Southfield, Michigan 48037
248-358-2210

Sheet:
Common Area Landscape Plan

Issues / Revisions

Pre Application Meeting	05.26.20
Planning Commission	07.08.20
Village Council Mtg	07.27.20
Final Site Plan	12.17.20
Horizon Ln. Update	02.12.21
Rev. Lot Numbers	04/28/23
Site Plan Update	06/29/23
Landscape Update	08/15/23

Drawn by:
Checked By: JTE
Date: July 8, 2020
Scale: 1" = 100'
Not for Construction
Sheet: LP1

