FINAL PLANNED UNIT DEVELOPMENT (PUD) PLANS FOR

SILVERBELL POINTE

PART OF SE AND SW 1/4 OF SECTION 28 TOGETHER WITH PART OF THE NE AND NW 1/4 OF SECTION 33, T. 4N., R. 10E.

ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

PROPERTY DESCRIPTION:
(Combined parcel as surveyed by PEA Inc.)

Part of the southeast and southwest 1/4 of Section 28, together with part of the northeast and northwest 1/4 of Section 33, Town 4 North, Range 10 East, Orion Township, Oakland County, Michigan being more particularly described as:

Commencing at the South 1/4 corner of said Section 28, thence N00°54'08"E, 1037.64 feet along the north-south 1/4 line of said section to the south line of Silverbell Road (66' wide) and the Point of Beginning; thence along said south line N81°37'08"E, 336.39 feet; thence S00°54'11"W, 1087.57 feet to the east-west 1/4 line of said section; thence along said line S89°44'45"E, 999.50 feet; thence S00°20'21"E, 1319.24 feet to the north line of "Supervisor's Plat of Lakeview Subdivision" as recorded in Liber 53, Page 21, Oakland County Records; thence along said north line, N89°37'34"W, 293.09 feet; thence N00°10'08"W, 119.60 feet; thence the following four courses along the waters edge of Mud Lake, S64°19'49"W, 74.39 feet and N70°02'23"W, 24.20 feet and S81°31'02"W, 81.02 feet and N81°09'09"W, 121.30 feet to the northerly extension of the west line of Lot 12 of said supervisor's plat; thence along said extension, S00°10'08"E, 100.45 feet to the aforementioned north line of said supervisor's plat; thence along said north line, N89°37'34"W, 768.31 feet to a 3/8" iron in a 4" square concrete monument, thence continuing along said north line, N89°55'57"W, 363.34 feet to the east line of Joslyn Road (66' wide) as recorded in Liber 36264, Page 120, Oakland County Records; thence along said east line, 509.14 feet along the arc of a curve to the left having a radius of 1903.83 feet and a chord that bears N05°17'23"W, 507.63 feet to the east line of the Canadian National Rail Road Right-of-Way (50' wide); thence the following two courses along said east line, 580.44 feet along the arc of a curve to the left having a radius of 3299.18 feet and a chord that bears N03°05'37"W, 579.69 feet and N08°08'02"W, 1187.11 feet to the south line of said Joslyn Road; thence along said south line, N81°37'17"E, 644.53 feet to the Point of Beginning.

Containing 73.419 acres of land, more or less

LEGAL DESCRIPTION – PROPOSED PARK
(Combined parcel as surveyed by PEA Inc.)

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thence S08°08'02"E, 396.00 feet; thence S81°37'14"W, 440.00 feet to the east line of the Canadian National Rail Road Right-of-Way (50' wide); thence along said east line N08°08'02"W, 396.00 feet to the south line of the aforementioned Silverbell Road; thence along said south line, N81°37'14"E, 440.00 feet to the Point of Beginning.

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Containing 68.419 acres of land, more or less

NARRATIVE:

THE SILVERBELL POINTE PLANNED UNIT DEVELOPMENT IS PROPOSED AS SINGLE FAMILY RESIDENTIAL COMMUNITY, WHICH COMPRISES OF APPROXIMATELY 28 ACRES OF THE DEVELOPABLE AREA (74-AC FULL SITE AREA). THE PROPOSED USE WILL BE 46 DETACHED SINGLE-FAMILY, FOR SALE HOMES, ON PRIVATE STREETS.

HOMES WILL BE AT A HIGHER ELEVATION THAN MUD LAKE AND THE SURROUNDING AREAS, CREATING HOMES WITH BEAUTIFUL WATER VIEWS AND OPPORTUNITY FOR WALK-OUT LOWER LEVELS. THESE HOMES WILL BE HIGHLY DESIRABLE GIVEN THEIR HIGHLY WOODED AND SCENIC SETTING.

COMPATIBILITY WITH MASTER PLAN & ADJACENT USES:

SILVERBELL POINTE CONFORMS WITH THE TOWNSHIP MASTER PLAN'S FUTURE LAND USE AND FURTHERS THE MASTER PLAN'S IMPLEMENTATION AS THE PROPOSED DENSITY IS IN LINE WITH THE INTENDED FUTURE DENSITY REQUIREMENTS OF UP TO 3 UNITS PER ACRE. AS SILVERBELL POINTE BORDERS MUD LAKE, THE CLUSTER DEVELOPMENT ENCOURAGES THE PRESERVATION OF OPEN SPACE AREAS AND LAKE PRESERVATION.

R.C.O.C. NOTES:

CORRUGATED PLASTIC PIPE MEETING AASHTO M294, TYPE S REQUIREMENTS FOR STORM SEWERS FROM 12" TO 24" DIAMETERS, MAY BE USED IN THIS DEVELOPMENT. HOWEVER, PRIOR TO APPROVAL OF THE STORM SYSTEM OR START OF ROAD PAVING A MANUFACTURER'S CERTIFICATE OF COMPLIANCE WITH THESE REQUIREMENTS SHALL BE SUBMITTED TO THE ROAD COMMISSION OF OAKLAND COUNTY. ALSO AT LEAST FIFTY PERCENT OF THE SEWER CARRYING ROAD DRAINAGE, AS SELECTED BY THE ENGINEER, SHALL BE TESTED FOR DEFORMATION BY THE CONTRACTOR USING A NINEPOINT MANDREL. ENGINEER CERTIFICATION THAT THE PIPE HAS PASSED THESE TESTS SHALL BE SUBMITTED TO THE ROAD COMMISSION FOR OAKLAND COUNTY.

ALL SIDEWALKS, SIDEWALK RAMPS AND CURB OPENINGS SHALL BE IN ACCORDANCE WITH M.D.D.T. STANDARD PLAN R-28 AND A.D.A. REQUIREMENTS. CROSSWALKS SHALL HAVE A TRANSVERSE SLOPE NO GREATER THAN 2% WHERE THEY CROSS STREETS. SIDEWALKS THAT CROSS DRIVEWAYS SHALL MAINTAIN CROSS SLOPES NO GREATER THAN 2% WHERE THEY CROSS A DRIVEWAY IN ADDITION TO OTHER AREAS. SIDEWALK CURB RAMPS, CURB OPENINGS, LANDINGS AND TRUNCATED DOMES (DETECTABLE WARNING STRIPS) WILL BE INSPECTED BY THE R.C.O.C. FACILITIES THAT ARE NOT IN COMPLIANCE WITH A.D.A. REQUIREMENTS SHALL BE REMOVED AND REPLACED.

ANY RIGHT-OF-WAY OR EASEMENTS NEEDED TO INSTALL THE PROPOSED IMPROVEMENTS MUST BE OBTAINED PRIOR TO FINAL PLAN APPROVAL/STREET ACCEPTANCE OR CONSTRUCTION, WHICHEVER OCCURS FIRST.

MDOT COVER "C" (WITH TYPE "K" FRAME), "K", "B","E" REQUIRED WITHIN ROAD RIGHT-OF-WAY. ALSO ALLOWED ARE EJIW 7065/NEENAH R-3034-B OR APPROVED EQUAL AND EJIW 7300/NEENAH R-3508-A2 OR APPROVED EQUAL.

THE PROPRIETOR SHALL INSURE THAT OPEN DISCHARGE OF SUMP PUMPS INTO THE ROAD RIGHT-OF-WAY DOES NOT OCCUR.

VERIFICATION OF TOWNSHIP APPROVAL FOR SANITARY SEWER AND WATER MAIN TESTS MUST BE SUBMITTED AND FOUND ACCEPTABLE BY THE R.C.O.C., PRIOR TO ANY CONCRETE PAVING OR ASPHALT BEING PLACED.

PROPER SIGNING IS REQUIRED BEFORE ANY WORK IN R.O.W. IS STARTED.

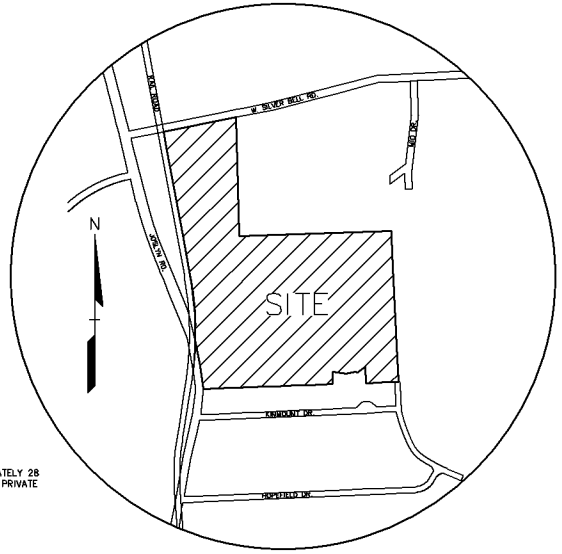
LANE CLOSURES RESTRICTED TO 9-3 MONDAY – FRIDAY.

MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES.

FLAG PERSON REQUIRED FOR TEMPORARY ONE LANE ROADS.

GENERAL NOTES:

1. SINGLE FAMILY RESIDENTIAL ROADS SHALL BE PRIVATE.
2. ALL WORK WITHIN THE JOSLYN ROAD RIGHT-OF-WAYS SHALL BE PERMITTED BY R.C.O.C.



LOCATION MAP
NO SCALE

VARIABLE DENSITY CREDIT CONSIDERATIONS:

A) 20% OPEN SPACE PROVIDED. (15% REQUIRED)

C) ENHANCED SURFACE WATER QUALITY AND GROUND WATER QUALITY.

D) PRESERVE NATURAL FEATURES: 49-ACRES OF THE PROPERTY IS TO BE PRESERVED.

OWNER/APPLICANT/DEVELOPER:

FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MI 48334
CONTACT: DAVID STEUER
PHONE: (248) 790-4481
EMAIL: DAVID@STEUERGROUP.COM

CIVIL ENGINEER:

PEA, INC.
2430 ROCHESTER CT, SUITE 100
TROY, MI 48083
CONTACT: JOHN B. THOMPSON, PE
PHONE: (248) 689-9090 EXT. 1109
FAX: (248) 689-1044
EMAIL: JTHOMPSON@PEAINC.COM

LANDSCAPE ARCHITECT:

PEA, INC.
45 W. GRAND RIVER AVE, STE. 501
DETROIT, MI 48226
CONTACT: KIM DIETZEL
PHONE: (313) 769-5755
EMAIL: KDIETZEL@PEAINC.COM

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T-1.7 TREE LIST
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ORION TOWNSHIP STANDARD WATER MAIN DETAILS (3 SHEETS)
OAKLAND COUNTY SOIL EROSION & SEDIMENTATION DETAIL SHEET
OAKLAND COUNTY STORM DRAIN NOTES & DETAILS

RECEIVED
March 24, 2020
Orion Township
Planning & Zoning

No.	By	Cmt	Description	Date

REVISIONS

STATE OF MICHIGAN
JOHN BRUCE THOMPSON
ENGINEER
NO. 43292
PROFESSIONAL ENGINEER

CAUTION!!!
THE LOCATION AND ELEVATIONS OF EXISTING UTILITIES AND STRUCTURES SHOWN ON THESE DRAWINGS ARE ONLY APPROXIMATE. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION SHOWN. IT IS THE CONTRACTOR'S FULL RESPONSIBILITY TO PROVIDE ALL FOR DETERMINING THE EXACT UTILITY LOCATIONS AND EXACTLY HOW PRIOR TO THE START OF CONSTRUCTION.

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CONTRACTOR CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CLEAR SIGHT LINES WILL BE MAINTAINED AT ALL TIMES AND THAT HE SHALL BE SOLELY AND SOLELY RESPONSIBLE FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE BINDING TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS, AND THAT THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER AND PROFESSIONAL ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

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f: 248.689.1044
www.peainc.com

FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

COVER SHEET
SILVERBELL POINTE
PART OF THE SE AND SW 1/4 OF SECTION 28 TOGETHER WITH PART OF THE NE AND NW 1/4 OF SECTION 33, T4N, R10E
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES: | DN: | TMK: | SJR: | KTR: | P.M.: JBT

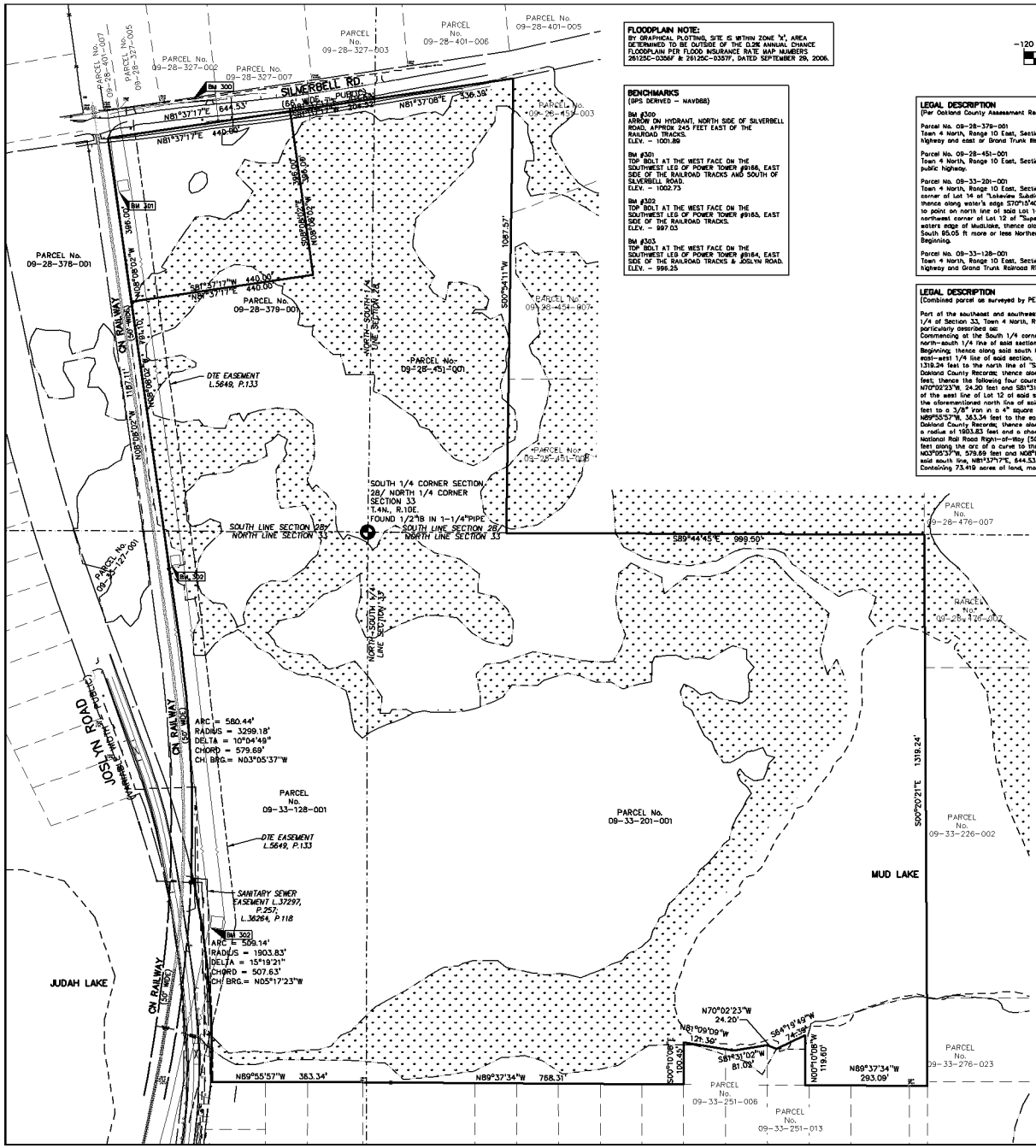
X:\PROJECTS\2019\2019-150 SILVERBELL POINTE\DWG\2019-150-PUD-BASE.DWG

ORIGINAL ISSUE DATE: MARCH 17, 2020

PEA JOB NO. 2019-150

SCALE: N.T.S.

DRAWING NUMBER:
C-0.0



FLOODPLAIN NOTE:
BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE 'X', AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FLOOD INSURANCE RATE MAP NUMBERS 26125C-0356F & 26125C-0357F, DATED SEPTEMBER 29, 2006.

BENCHMARKS
(GPS DERIVED – NAVD88)

BM #300
ARROW ON HYDRANT, NORTH SIDE OF SILVERBELL ROAD, APPROX. 245 FEET EAST OF THE RAILROAD TRACKS.
ELEV. – 1001.89

BM #301
TOP BOLT AT THE WEST FACE ON THE SOUTHWEST LEG OF POWER TOWER #9166, EAST SIDE OF THE RAILROAD TRACKS AND SOUTH OF SILVERBELL ROAD.
ELEV. – 1002.73

BM #302
TOP BOLT AT THE WEST FACE ON THE SOUTHWEST LEG OF POWER TOWER #9165, EAST SIDE OF THE RAILROAD TRACKS.
ELEV. – 997.03

BM #303
TOP BOLT AT THE WEST FACE ON THE SOUTHWEST LEG OF POWER TOWER #9164, EAST SIDE OF THE RAILROAD TRACKS & JOSLYN ROAD.
ELEV. – 996.25

LEGAL DESCRIPTION
(Per Oakland County Assessment Records)

Parcel No. 09-28-379-001
Town 4 North, Range 10 East, Section 28, That Part of the Southeast 1/4 of Southeast 1/4 lying south of highway and east of Grand Trunk Western Railroad.

Parcel No. 09-28-451-001
Town 4 North, Range 10 East, Section 28, That Part of West 20 acres of Southeast 1/4 Lying south of public highway.

Parcel No. 09-33-201-001
Town 4 North, Range 10 East, Section 33 Northwest 1/4 OF Northeast 1/4 Except Beginning at northeast corner of Lot 14 of "Lakeview Subdivision" thence North, 85.05 ft more or less to water's edge of Mud Lake, thence along water's edge S70°15'40"E, 24.20 ft and N84°38'19"E, 74.39 ft and South 119.60 ft more or less to point on north line of said Lot 14, thence N89°27'10"W 90 ft, to Beginning, also except beginning at northeast corner of Lot 12 of "Supervisors Plat of Lakeview Sub", thence North 100.45 ft more or less to waters edge of MudLake, thence along waters edge S8°00'38"E 121.30 ft, thence N81°44'07E 81.02 ft, thence South 85.05 ft more or less Northeast Corner of Lot 13 of said "plat", thence N89°27'10"E 200 ft to Beginning.

Parcel No. 09-33-128-001
Town 4 North, Range 10 East, Section 33 That part of Northeast 1/4 of Northwest 1/4 lying easterly of highway and Grand Trunk Railroad Right-of-Way

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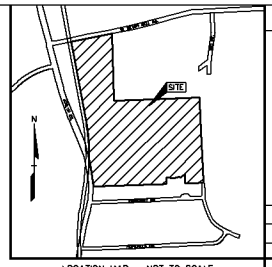
Containing 69.419 acres of land, more or less

GRAPHIC SCALE
-120 0 60 120 240 480
(IN FEET)
1 inch = 120 ft.

N



LOCATION MAP – NOT TO SCALE

LEGEND

IRON FOUND	BRASS PLUG SET
IRON SET	MONUMENT FOUND
MAG. FOUND	MONUMENT SET
MAG. & CAP SET	
SEC. CORNER FOUND	
R RECORDED	
M MEASURED	
C CALCULATED	

EXISTING

ELEC. PHONE OR CABLE TV GUY. LINE, POLE & GUY WIRE	
UNDERGROUND CABLE TV, CATV PEDESTAL	
TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE	
ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE	
GAS GUY, VALVE & GAS LINE MARKER	
WATERMAIN, VFS, GATE VALVE, TAPPING SLEEVE & VALVE	
SANITARY SEWER, CLEANOUT & MANHOLE	
STORM SEWER, CLEANOUT & MANHOLE	
COMBINED SEWER & MANHOLE	
SIGNAL, POLE & DETECTOR BOX, YARD DRAIN	
POST INDICATOR VALVE	
WATER VALVE, BOX/HYDRANT VALVE BOX, SERVICE CURBSTOP	
BUILDING, TRANSFORMER, IRRIGATION CONTROL BOXES	
UNIDENTIFIED STRUCTURE	
876.06 SPOT ELEVATION	
CONTOUR LINE	
FENCE	
GUARD RAIL	
STREET LIGHT	
SIGN	
CONC. CONCRETE	
ASPH. ASPHALT	
GRAVEL GRAVEL	
WETLAND	

CAUTION!!!
THE LOCATIONS SHOWN ELEVATIONS OF EXISTING UTILITIES AND STRUCTURES ARE BASED ON FIELD DRAWING AND ONLY APPROXIMATE. THE CONTRACTOR IS EXPRESSLY APPRECIATED OF SUCH BEING THE CASE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY AND ALL EXISTING UTILITY FACILITIES. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

THE ELEVATIONS SHOWN ARE BASED ON THE PROPERTY OF PEA, INC. THEY WERE OBTAINED FROM THE SURVEY AND MAY NOT BE ACCURATE. THE CONTRACTOR, BY FURNISHING AN EXCAVATOR TO EXPOSE UTILITIES, ASSUMES THE PRESENT ELEVATION CORRECT OF PEA, INC. ALL CORRECTIONS MUST BE MADE TO PEA, INC. PRIOR TO THE START OF CONSTRUCTION. ANY CHANGES MADE WITHOUT PRIOR NOTICE TO PEA, INC.

CONTRACTOR: CONTRACTOR AGREES THAT IT IS RESPONSIBLE FOR REASONABLY ACCURATE CONSTRUCTION PRACTICES. CONSTRUCTION PRACTICES INCLUDE, BUT ARE NOT LIMITED TO, SUCH ITEMS AS: SAFE WORKING CONDITIONS, CONSIDERATION OF OTHER CONTRACTORS, CONSIDERATION DURING THE COURSE OF CONSTRUCTION OF THE PROJECT OF THE RIGHTS OF THE OWNER AND OTHER PROPERTIES, AND THOSE PROCEDURES WHICH, BY REASONABLE NOTICE TO OPEN CONSTRUCTION PROCEDURE AND NOT BEING LIMITED TO, SHORING, BRACING, SLOPING OF EXCAVATIONS, ETC. THE CONTRACTOR IS EXPRESSLY RESPONSIBLE FOR ANY DAMAGE TO ADJACENT PROPERTIES OR BUILDINGS, WHICH MAY BE ALLEGED TO HAVE BEEN CAUSED BY THE CONTRACTOR'S WORK. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND ALL OTHER PARTIES FROM ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE PERSONS PROVIDED FOREGOING.

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No.	BY	DATE	REVISIONS

FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

BOUNDARY SURVEY
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 28, T.4N., R.10E., ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

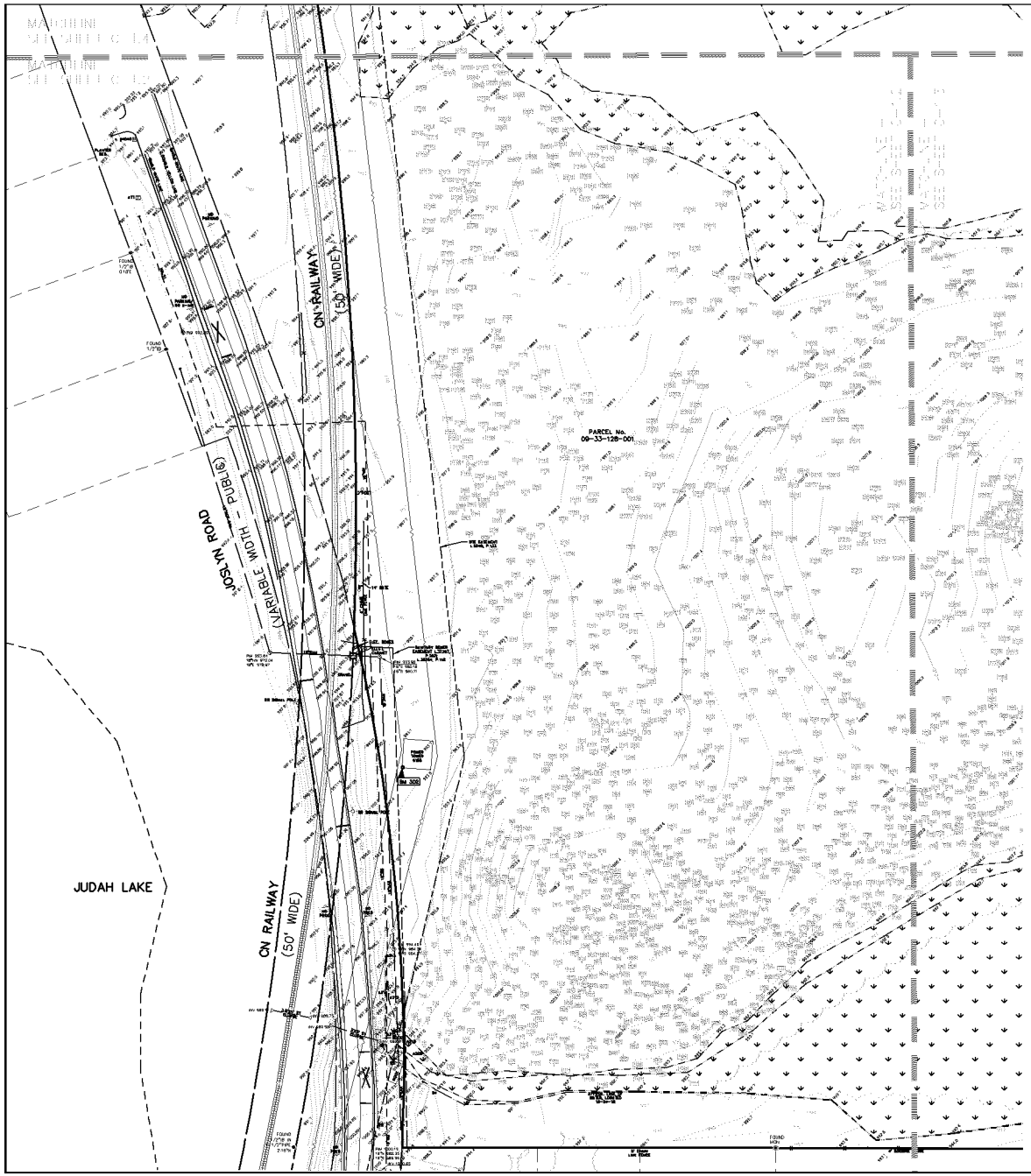
DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBT

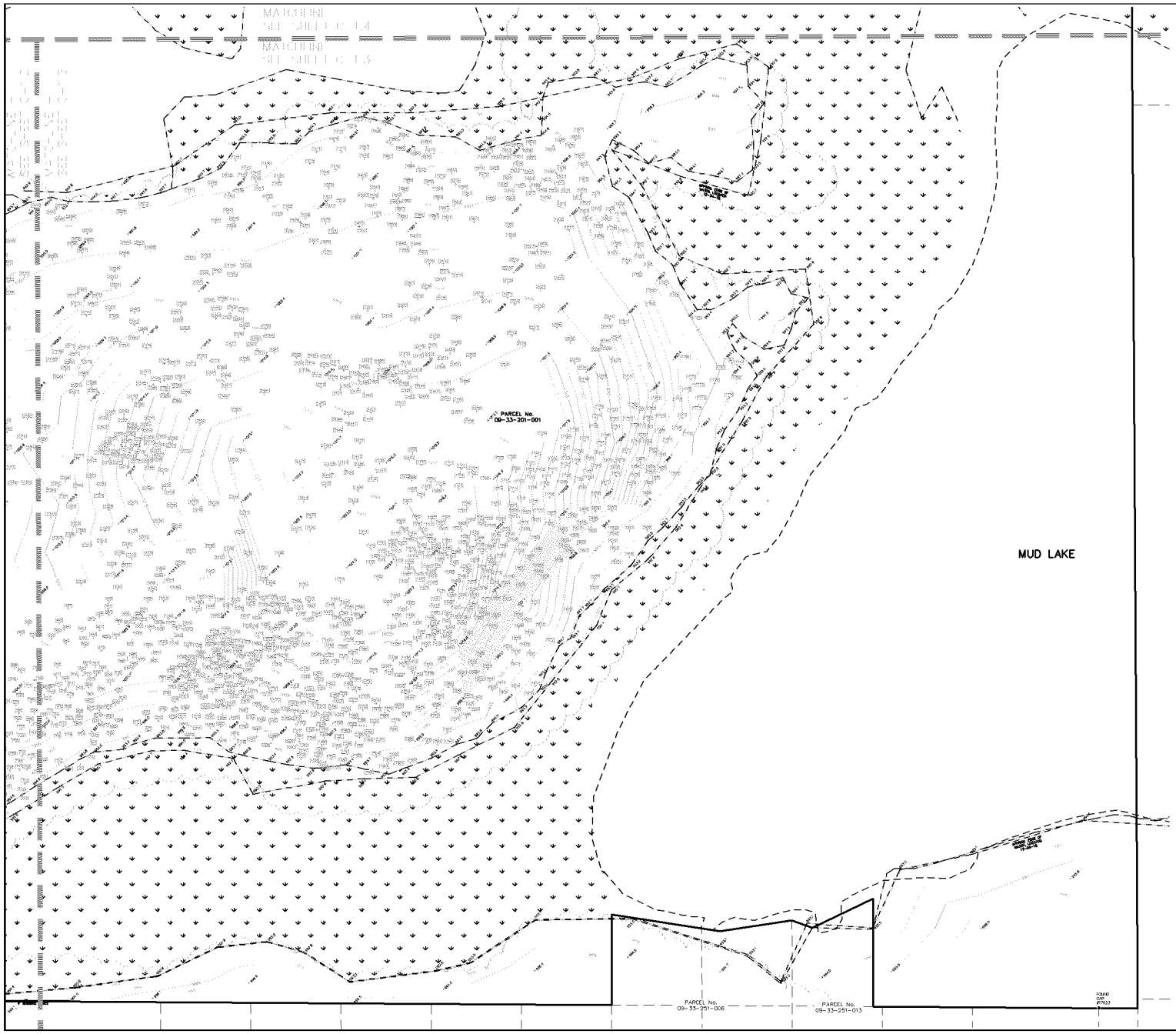
ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 120'

DRAWING NUMBER:
C-1.1


JUDAH LAKE
CN RAILWAY
(50' WIDE)
SOSS N ROAD
(VARIABLE WIDTH - PUBLIC)
CN RAILWAY
(50' WIDE)
PARCEL No.
09-33-128-001
FOUND
1/2"
BM 300
FOUND
MON
FOUND
1/2"
FOUND
1/2"
FOUND
1/2"



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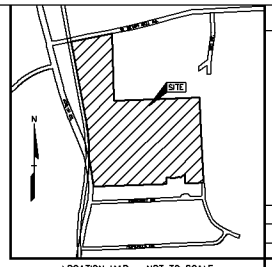


LOCATION MAP – NOT TO SCALE

LEGEND

- IRON FOUND
- IRON SET
- MAG FOUND
- MAG & CAP SET
- BRASS PLUG SET
- MONUMENT FOUND
- MONUMENT SET
- SEC. CORNER FOUND
- R RECORDED
- M MEASURED
- C CALCULATED

EXISTING

- OH-ELEC — OVERHEAD ELEC., PHONE OR CABLE TV GUY LINE, POLE & GUY ANCHOR
- UG-CATV — UNDERGROUND CABLE TV & CATV PEDESTAL
- UG-PHONE — TELEPHONE U.G. CABLE, PEDESTAL & HANDHOLE
- UG-ELEC — ELECTRIC U.G. CABLE, HANDHOLE, METER & TRANSFORMER
- WATER MAIN, VALVE & BOX, LINE MARKER
- WATERMAIN, HYD., INLET VALVE, "APPROX" BLOWOFF & VALVE
- SANITARY SEWER, CLEANOUT & MANHOLE
- STORM SEWER, CLEANOUT & MANHOLE
- COMBINED SEWER & MANHOLE
- SQUARE, ROUND & DECIDUOUS CATCH BASIN, YARD DRAIN
- POST INDICATOR VALVE
- WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE BOX/CURB STOP
- MAGNET, TRANSFORMER, IRRIGATION CONTROL VALVE
- UNDERGROUND STRUCTURE
- 2918.00 SPOT ELEVATION
- CONTOUR LINE
- FENCE
- GUARD RAIL
- STREET LIGHT
- SIGN
- CONC. — CONCRETE
- ASPH. — ASPHALT
- GRAVEL — GRAVEL
- SETBACK

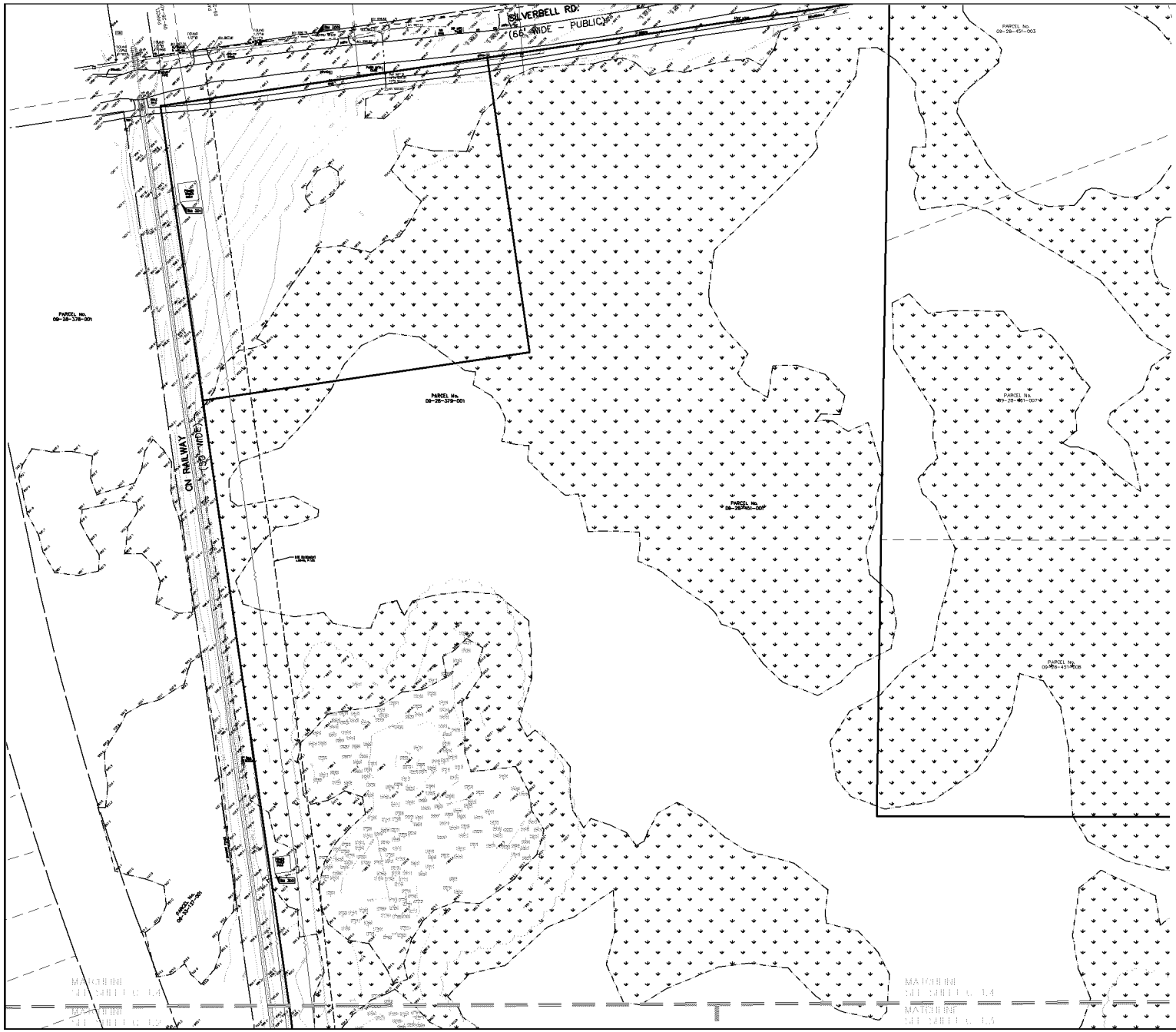
REFER TO SHEET C-1.1 FOR LEGAL DESCRIPTION.
REFER TO SHEET T-1.0 FOR TREE SURVEY

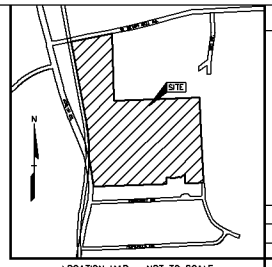
GRAPHIC SCALE

-50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

DATE	REVISIONS





LOCATION MAP – NOT TO SCALE

LEGEND

- IRON FOUND
- IRON SET
- MAG. FOUND
- MAG. & CAP SET
- BRASS PLUG SET
- MONUMENT FOUND
- MONUMENT SET
- SEC. CORNER FOUND
- R RECORDED
- M MEASURED
- C CALCULATED

EXISTING

- OH-ELEC-CATV — ELEC., PHONE OR CABLE TV SVC. LINE, POLE & GUY WIRE
- UG-CATV — UNDERGROUND CABLE TV, CATV PEDESTAL
- UG-PHONE — TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
- UG-ELEC — ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
- WELL HEAD, VALVE & BOX LINE MARKER
- WATERMAIN, VALVE, WATER VALVE, HYDRANT, BUTTERFLY & VALVE
- SANITARY SEWER, CLEANOUT & MANHOLE
- STORM SEWER, CLEANOUT & MANHOLE
- COMBINED SEWER & MANHOLE
- SQUARE, ROUND & DECIDUOUS CATCH BASIN, YARD DRAIN
- POST INDICATOR VALVE
- WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE BOX/GUY
- MANHOLE, TRANSFORMER, IRRIGATION CONTROL VALVE
- UNDEFINED STRUCTURE
- 2918.00 SPOT ELEVATION
- CONTOUR LINE
- FENCE
- BUSH OR TREE
- STREET LIGHT
- SIGN
- CONC. — CONCRETE
- ASPH. — ASPHALT
- GRAVEL — GRAVEL
- SETBACKS

REFER TO SHEET C-1.1 FOR LEGAL DESCRIPTION.

REFER TO SHEET T-1.0 FOR TREE SURVEY

GRAPHIC SCALE

-60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

NO.	BY	DATE	DESCRIPTION	DATE
			REVISIONS	

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FARMINGTON HILLS, MICHIGAN 48334

TOPOGRAPHIC SURVEY - NORTH
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T.3N., R.9E., ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES.	DN.	TMK	SUR.	KTR	P.M.	JBT

S:\PROJECTS\2018\2018150\DWG\SILVERBELL PDF\C-1.4 - JBT\ACAD\NAL SUR\C-1.1 1000-1200.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 60'

DRAWING NUMBER:
C-1.4

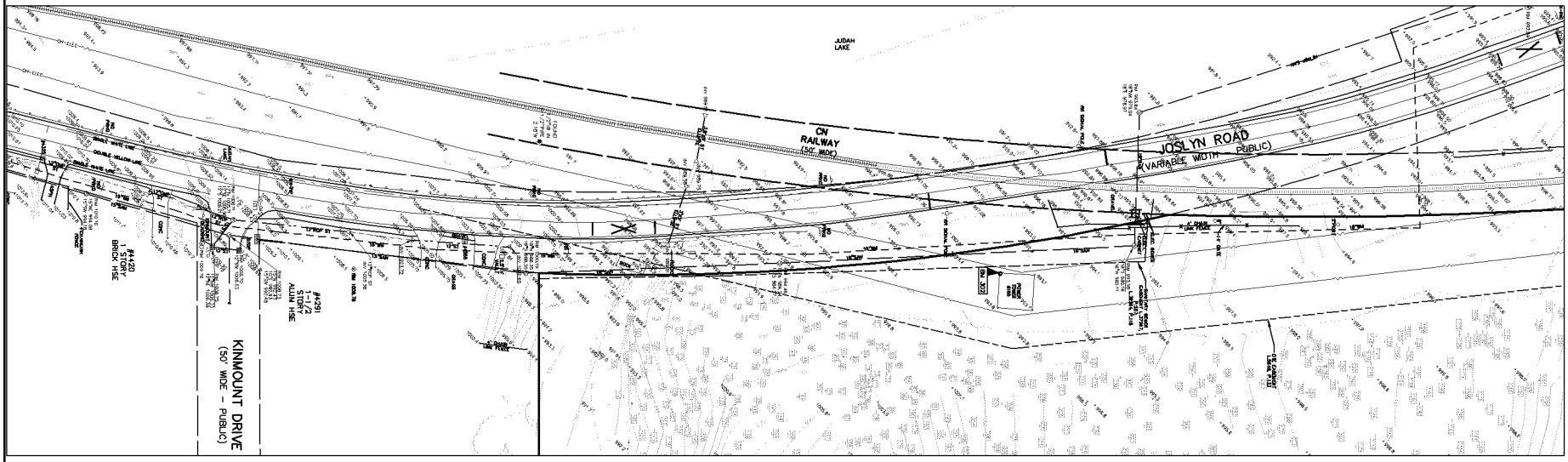
XREF: S:\PROJECTS\2018\2018150\DWG\XRIS0-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XNAL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XNAL PUD\U-TBL-18150.DWG

GRAPHIC SCALE

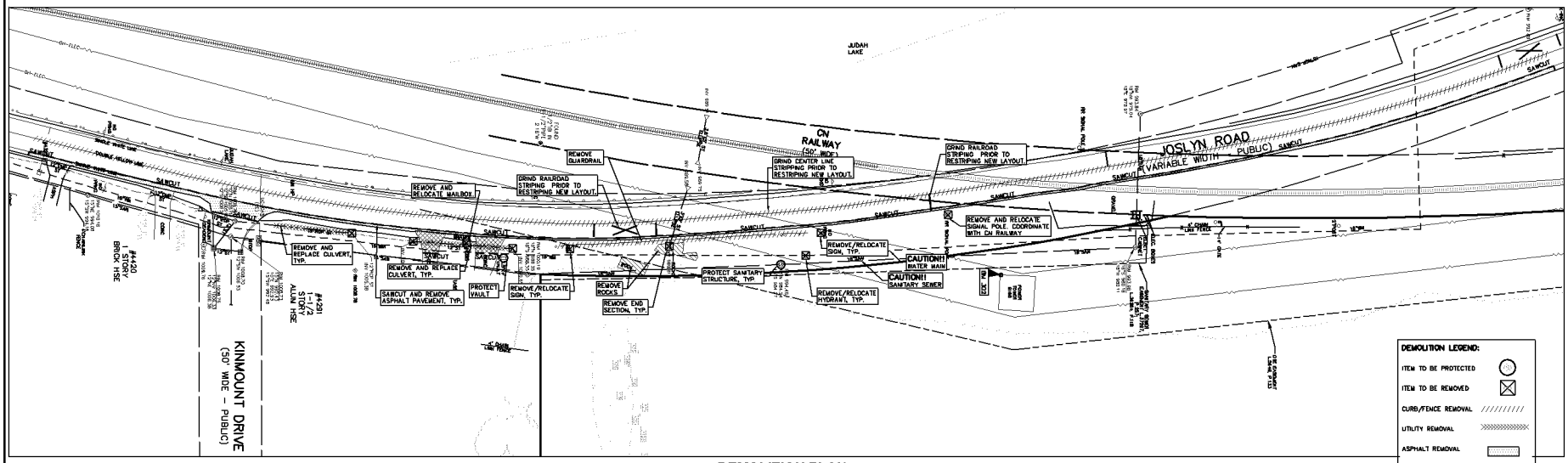
-40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NOTE: SEE SHEET C-1.1 FOR LEGEND.



TOPOGRAPHIC SURVEY



DEMOLITION PLAN

XREF: S:\PROJECTS\2018\2018150\DWG\VB150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TB-18150.DWG

DATE	REVISIONS

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30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

R.O.W. TOPO SURVEY AND DEMO PLAN
SILVERBELL POINTE
LPAN I UP: SECTION 25, T4N, R9E, T3N, R9E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBF

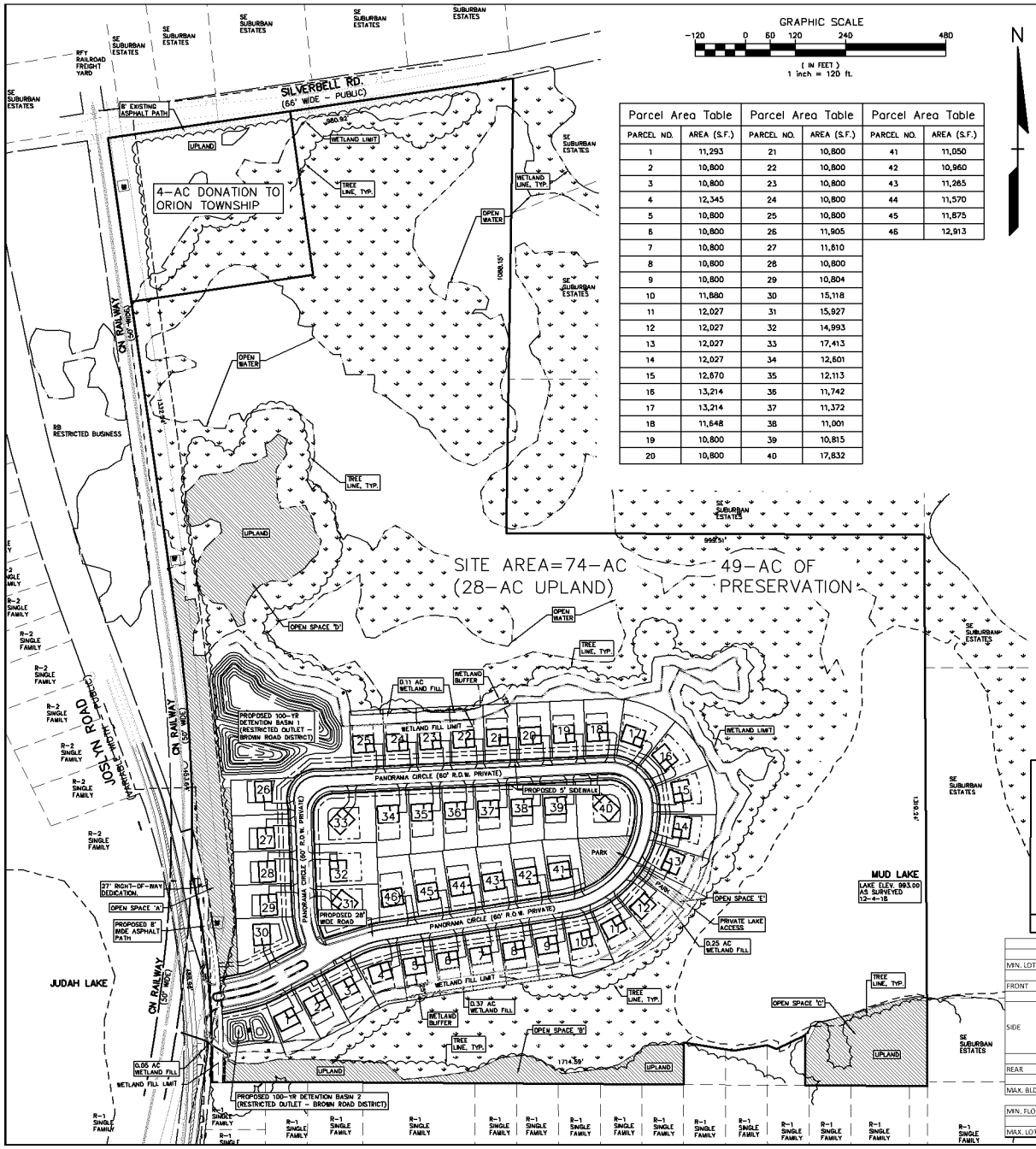
S:\PROJECTS\2018\2018150\DWG\VB150-TOPO-DEMO.DWG - JBF\ACAD\FINAL PUD\U-C-1.5 FOR TOPO-DEMO.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-1.5



Parcel Area Table		Parcel Area Table		Parcel Area Table	
PARCEL NO.	AREA (S.F.)	PARCEL NO.	AREA (S.F.)	PARCEL NO.	AREA (S.F.)
1	11,293	21	10,800	41	11,050
2	10,800	22	10,800	42	10,960
3	10,800	23	10,800	43	11,265
4	12,345	24	10,800	44	11,570
5	10,800	25	10,800	45	11,875
6	10,800	26	11,905	46	12,913
7	10,800	27	11,810		
8	10,800	28	10,800		
9	10,800	29	10,804		
10	11,880	30	15,118		
11	12,027	31	15,927		
12	12,027	32	14,993		
13	12,027	33	17,413		
14	12,027	34	12,601		
15	12,870	35	12,113		
16	13,214	36	11,742		
17	13,214	37	11,372		
18	11,648	38	11,001		
19	10,800	39	10,815		
20	10,800	40	17,832		

SITE DATA

PROPRIETORS NAME: FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MI 48334
PHONE: 248-790-4481
CONTACT: DAVID STEUER

LEGAL DESCRIPTION: REFER TO COVER SHEET
TOTAL AREA = 73.42 ACRES
PARK DONATION AREA = 4.00 ACRES
NET PROPERTY AREA = 69.42 ACRES

AREA: DEVELOPABLE AREA TOTAL = 28 AC
PRESERVATION AREA = 49 AC

EXISTING ZONING: SE SUBURBAN ESTATES
PROPOSED ZONING: PUD PLANNED UNIT DEVELOPMENT

DESCRIPTION OF PROPOSED USE: THE SILVERBELL POINTE PLANNED UNIT DEVELOPMENT IS PROPOSED AS A SINGLE FAMILY RESIDENTIAL PROJECT. THE PROPOSED USE WILL BE 46 DETACHED SINGLE-FAMILY, FOR SALE HOMES, ON PRIVATE STREETS.

THE PROPOSED DEVELOPMENT WILL BE COMPLETED BY THE APPLICANT, A MICHIGAN BASED HOME BUILDER. THE APPLICANT HAS COMPLETED AND IS UNDER CONSTRUCTION WITH SEVERAL HIGH QUALITY RESIDENTIAL DEVELOPMENTS IN AND AROUND ORION TOWNSHIP.

HOMES TO BE A BLEND OF RANCH, 1-1/2 STORY AND COLONIAL HOMES RANGING FROM 2000-SF TO 4000-SF. BUILDING MATERIALS SHALL BE A MIX OF BRICK, ASPHALT SHINGLES, PLANK SIDING WITH VARIETY OF COLOR PALATES AND DURABLE LOW-MAINTENANCE FREE MATERIALS. AT LEAST 50% OF GARAGES WILL BE SIDE ENTRY OR RECESSED.

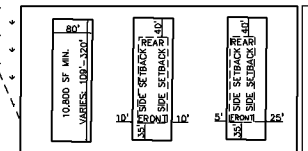
NATURAL FEATURES:

TOPOGRAPHY: THE SITE EXHIBITS ROLLING TOPOGRAPHIC RELIEF WITH A STEEP DROP OFF TO THE WETLAND AREA ASSOCIATED WITH MUD LAKE. WHILE GRADING WILL BE REQUIRED, EXISTING SLOPES SHOULD NOT BE SIGNIFICANT OBSTACLES FOR THE PROPOSED DEVELOPMENT.

WOODLANDS: SIGNIFICANT VEGETATION LIES WITHIN THE CENTRAL PORTIONS OF THE SITE. A WOODLANDS TREE SURVEY IN ACCORDANCE WITH SECTION 27.12 WILL BE SUBMITTED AS REQUIRED. THE APPLICANT WILL COMPLY WITH THE WOODLANDS PRESERVATION REGULATIONS CONTAINED WITHIN THE ZONING ORDINANCE.

WETLANDS: A LARGE WETLAND AREA LIES AROUND THE DEVELOPABLE PROPERTY. WETLAND PERMIT APPLICATIONS WILL BE SUBMITTED TO BOTH THE TOWNSHIP AND THE MDEQ AS REQUIRED. TOTAL WETLAND FILL: ±0.8 AC

SOILS: THE SOILS ON-SITE INCLUDE 14B AND 14C OAKVILLE FINE SAND 0% TO 18% SLOPES, 53A TEDROW LOAMY SAND 0% TO 3% SLOPES, AND 27 HOUGHTON AND ADRIAN MUCKS.



NOTE: 20' MINIMUM BETWEEN HOUSES.

	REQUIRED SE	REQUIRED SR	PROPOSED PUD
MIN. LOT AREA	65,340 SF	30,000 SF	10,800 SF
FRONT	40 FT	40 FT	35 FT
SIDE	20 FT	20 FT	5 FT MIN AND 30 FT TOTAL FOR SIDE LOAD GARAGE 10 FT MIN AND 20 FT TOTAL FOR FRONT LOAD GARAGE (20' MIN BETWEEN HOUSES)
REAR	40 FT	40 FT	35 FT
MAX. BLDG. HEIGHT	30 FT	30 FT	30 FT
MIN. FLOOR AREA	1200 SF	1500 SF	1200 SF
MAX. LOT COVERAGE	20%	20%	20%

GUARANTEED OPEN SPACE:

PER ORION TOWNSHIP ZONING ORDINANCE

MINIMUM STANDARD OPEN SPACE REQUIRED
RESIDENTIAL USES = 15%

DEVELOPABLE SITE AREA = 28 AC

OPEN SPACE (NIC DETENTION AND WETLANDS)

AREA 'A' ± 1.33 AC
AREA 'B' ± 1.23 AC
AREA 'C' ± 1.19 AC
AREA 'D' ± 1.76 AC
AREA 'E' ± 0.28 AC

TOTAL 5.79 AC
% OPEN SPACE PROVIDED = 20%
OPEN SPACE

OPEN SPACE AREAS A, B, C, AND D WILL BE PASSIVE OPEN SPACE AREAS THAT PROVIDE A NATURAL BUFFER AND OPEN SPACE AREA E WILL BE ACTIVE OPEN SPACE THAT PROVIDES PARK SPACE AND LAKE ACCESS.

XREF: S:\PROJECTS\2018\2018150\DWG\18150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBLK-18150.DWG

NO.	BY	CHK	DESCRIPTION	DATE
			REVISIONS	

CAUTION!!!
THE LOCATIONS SHOWN AND KNOWN OF EXISTING UNDERGROUND UTILITIES ARE BASED ON RECORD DRAWINGS AND ONLY APPROXIMATE, NO GUARANTEE IS EXPRESS OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND ELEVATION PRIOR TO THE START OF CONSTRUCTION.

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OVERALL SITE PLAN
SILVERBELL POINTE

PART OF THE SE 1/4 OF SECTION 25, T3N, R9E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK	DN:	TMK	SUR:	KTR	P.M.	JBT

S:\PROJECTS\2018\2018-150 SILVERBELL POINTE, ORION - JB\LAYOUTS\FINAL PUD\U-LO-SP SITE-18150.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

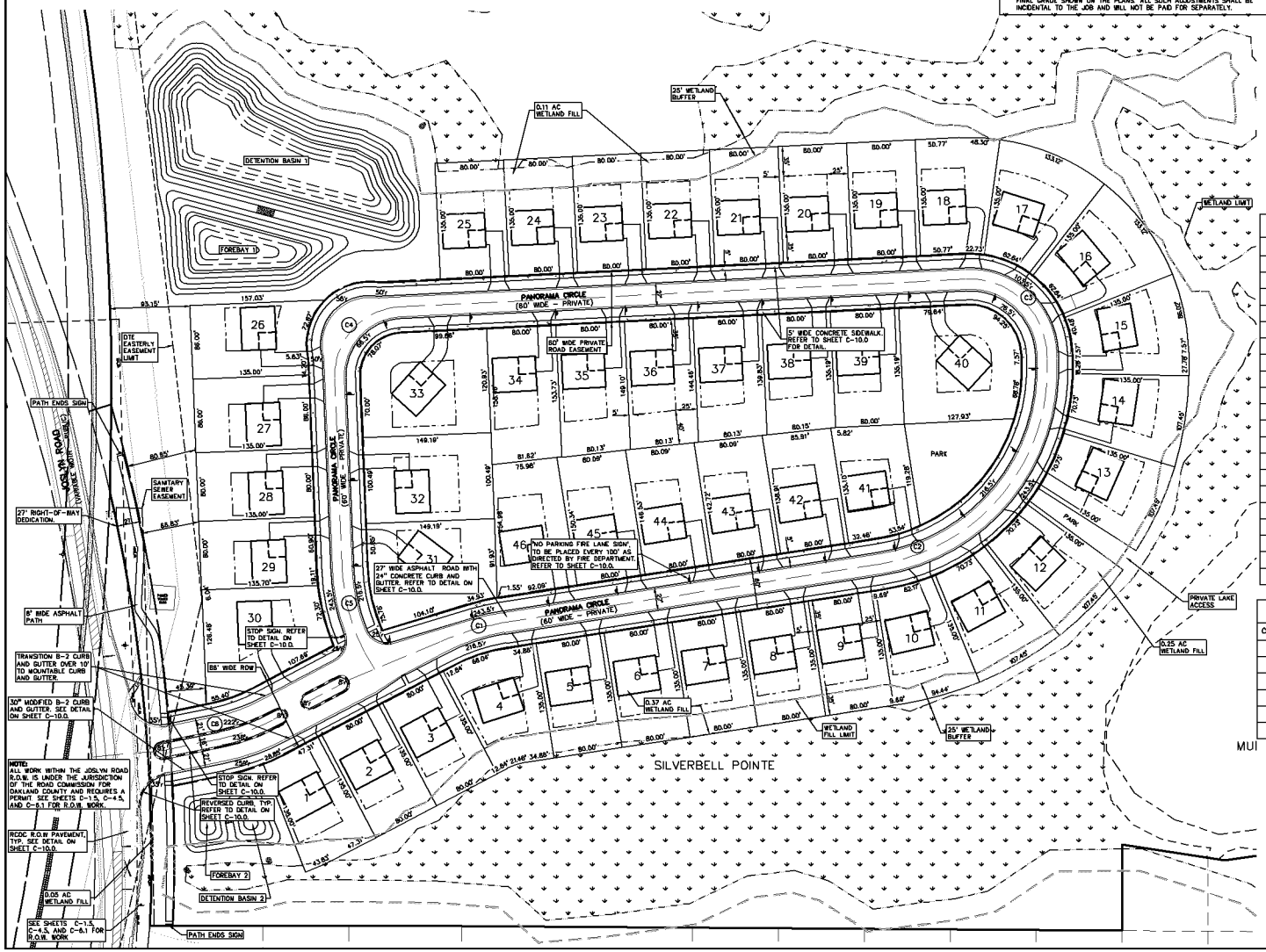
SCALE: 1" = 120'

DRAWING NUMBER:
C-2.0

GENERAL NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
2. REFER TO SHEET C-10.0 FOR ON-SITE PAVING DETAILS.
3. REFER TO SHEET C-10.0 FOR ON-SITE SIDEWALK RAMP DETAILS.
4. 'NO PARKING-FIRE LANE' SIGNS SHALL BE POSTED ALONG ALL FIRE LANES AT 100 FOOT INTERVALS OR AS DIRECTED BY THE FIRE OFFICIAL.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH OXFORD TOWNSHIP CURRENT STANDARDS AND REGULATIONS.
6. THE CONTRACTOR SHALL NOTIFY THE TOWNSHIP ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
7. ANY WORK WITHIN THE STREET OR HIGHWAY RIGHTS-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION AND SHALL NOT BEGIN UNTIL ALL NECESSARY PERMITS HAVE BEEN ISSUED FOR THE WORK.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST THE TOP OF ALL EXISTING AND PROPOSED STRUCTURES (MANHOLES, CATCH BASINS, INLETS, GATE WELLS ETC.) WITHIN GRADED AND /OR PAVED AREAS TO FINAL GRADE SHOWN ON THE PLANS. ALL SUCH ADJUSTMENTS SHALL BE INCIDENTAL TO THE JOB AND WILL NOT BE PAID FOR SEPARATELY.



GRAPHIC SCALE

-60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

N

LEGEND

IRON FOUND
IRON SET
MAG. FOUND
MAG. & CAP SET
BRASS PLUG SET
MONUMENT FOUND
MONUMENT SET
SEC. CORNER FOUND
R RECORDED
M MEASURED
C CALCULATED

EXISTING / PROPOSED

ELEC., PHONE OR CABLE TV BOX, LINE, POLE & GUY WIRE
UNDERGROUND CABLE TV, CATV PEDESTAL
TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
GAS VARN, VALVE & GAS LINE MARKER
WATERMAIN VARN, GATE VALVE, TAPPING SLEEVE & VALVE
SANITARY SEWER, CLEANOUT & MANHOLE
STORM SEWER, CLEANOUT & MANHOLE
COMBINED SEWER & MANHOLE
SIGNATURE, ROUND & DECIDUOUS CATCH BASIN, YARD DRAIN
POST INDICATOR VALVE
WATER VALVE, BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
HANDICAP, TRANSFORMER, IRRIGATION CONTROL VALVE
UNIDENTIFIED STRUCTURE
SPOT ELEVATION
CENTERLINE
FENCE
GUARD RAIL
STREET LIGHT
SIGN
CONCRETE
ASPHALT
GRAVEL
WETLAND
SD HEAVY DUTY B.D.R. DUTY
SD HEAVY DUTY R.O.C. ASPHALT

Parcel Area Table		Parcel Area Table		Parcel Area Table	
PARCEL NO.	AREA (S.F.)	PARCEL NO.	AREA (S.F.)	PARCEL NO.	AREA (S.F.)
1	11,293	21	10,800	41	11,050
2	10,800	22	10,800	42	10,960
3	10,800	23	10,800	43	11,265
4	12,345	24	10,800	44	11,570
5	10,800	25	10,800	45	11,875
6	10,800	26	11,905	46	12,913
7	10,800	27	11,610		
8	10,800	28	10,800		
9	10,800	29	10,804		
10	11,880	30	15,118		
11	12,027	31	15,927		
12	12,027	32	14,993		
13	12,027	33	17,413		
14	12,027	34	12,601		
15	12,870	35	12,113		
16	13,214	36	11,742		
17	13,214	37	11,372		
18	11,648	38	11,001		
19	10,800	39	10,815		
20	10,800	40	17,832		

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	75.94	230.00	18.92	S71° 41' 31"W	75.60
C2	337.03	230.00	83.96	S39° 10' 20"W	307.67
C3	141.37	90.00	90.00	S47° 48' 22"E	127.28
C4	124.91	80.00	89.46	N42° 27' 43"E	112.61
C5	102.35	230.00	25.50	N15° 01' 07"W	101.51
C6	64.84	230.00	16.15	S70° 18' 33"W	64.63

SYMBOLS: EROSION CONTROL:

WETLAND FILL LIMIT

REFER TO WETLAND PERMIT xx (IN PROCESS)

REVISIONS

No.	BY	CHK	DESCRIPTION	DATE

CAUTION!!!

THE LOCATIONS SHOWN AS EXISTING OF EXISTING UTILITIES AND STRUCTURES ON THESE PLANS AND DRAWINGS ARE ONLY APPROXIMATE. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION SHOWN.

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CONTRACTOR CONFIRMS AND AGREES THAT IT ASSUMES FULL RESPONSIBILITY FOR JOBSITE CONSTRUCTION PRACTICES, CONSTRUCTION MEANS AND METHODS, JOBSITE SAFETY AND JOBSITE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR FURTHER AGREES THAT IT WILL NOT HOLD PEA, INC. RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, ITS SUBCONTRACTORS, AGENTS OR EMPLOYEES.

CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD PEA, INC. 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 NEGLIGENCE OF THE DESIGN PROFESSIONAL.

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FARMINGTON HILLS, MICHIGAN 48334

DIMENSION AND PAVING PLAN
SILVERBELL POINTE

PART OF THE SE 1/4 OF SECTION 35, T3N, R11E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR:	P.M.	JBT

S:\PROJECTS\2018\2018-150 SILVERBELL POINTE, ORION - JBT\DWG\PAVING PLAN\C-2.1 DIM-PAVING.dwg

ORIGINAL ISSUE DATE:
MARCH 17, 2020

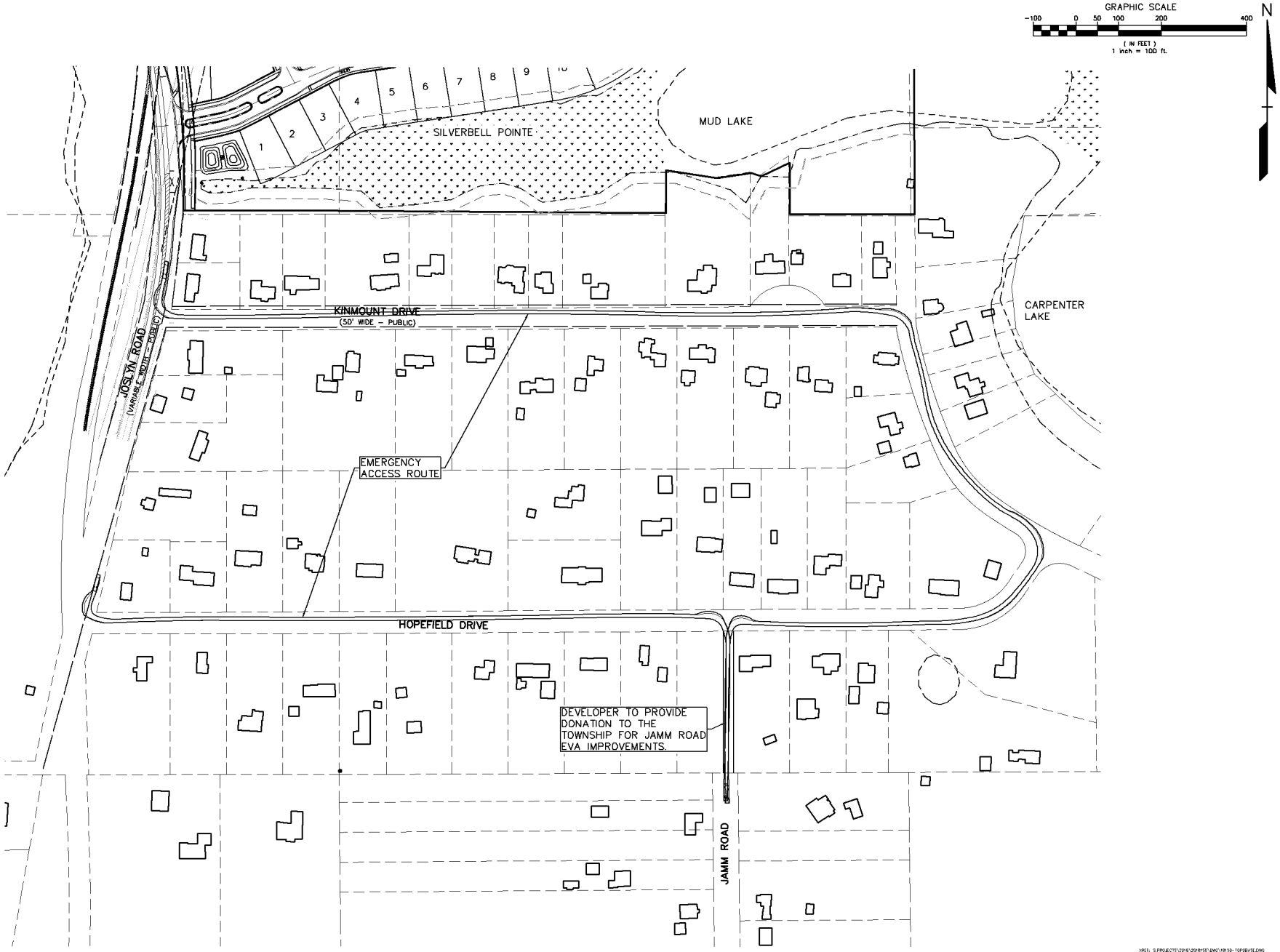
PEA JOB NO. 2018-150

SCALE: 1" = 60'

DRAWING NUMBER:

C-2.1

XREF: S:\PROJECTS\2018\2018-150\DWG\XR150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018-150\DWG\XRAIL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018-150\DWG\XRAIL PUD\U-TBL-18150.DWG



NO.	BY	CHK	DESCRIPTION	DATE

REVISIONS

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FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

FIRE ACCESS ROUTE
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, THE SW 1/4 OF SECTION 25, T4N, R11E
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBT

S:\PROJECTS\2018\2018-150\DWG\SILVERBELL PIONTE CONDO - 2018\FIRE ACCESS ROUTE-C-2.1 (MAR-18-2020).DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 100'

DRAWING NUMBER:
C-2.2

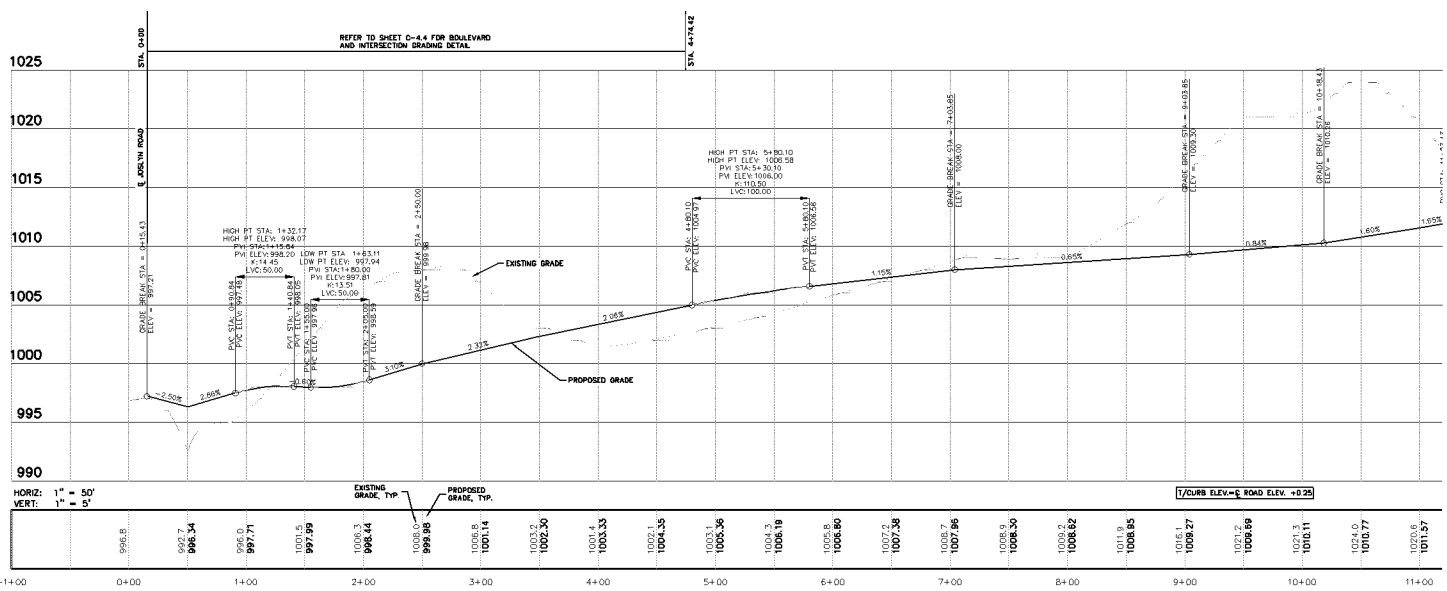
XREF: S:\PROJECTS\2018\2018-150\DWG\XR150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018-150\DWG\XRef4_PUD1\--BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018-150\DWG\XRef4_PUD1\--TBL-18150.DWG

GRAPHIC SCALE

−50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

N



NO.	BY	DATE	DESCRIPTION

REVISIONS

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CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION METHODS WILL BE EMPLOYED THAT WILL BE SAFE AND COMPLETE IN ACCORDANCE WITH JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION PROJECT. THAT THE CONTRACTOR WILL BE SOLE AND PROPERLY, THAT HIS PLURALISM WILL BE MADE TO APPLY CONTINUOUSLY AND NOT SOLELY BASED UPON THE REQUIREMENTS OF PEA, INC. THAT CONTRACTOR AGREES TO DEFEND, INDEMNIFY AND HOLD SEVERE PRESENTATIVE, VARIOUSLY PUBLICLY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPT FOR LIABILITY ARISING OUT OF THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

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FARMINGTON HILLS, MICHIGAN 48334

ROAD PROFILES - STA. 0+00 TO 11+00
SILVERBELL POINTE
PART OF THE SE1/4 OF SECTION 5, T3N, R9E, T2N, R9E, T1N, R10E
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBT

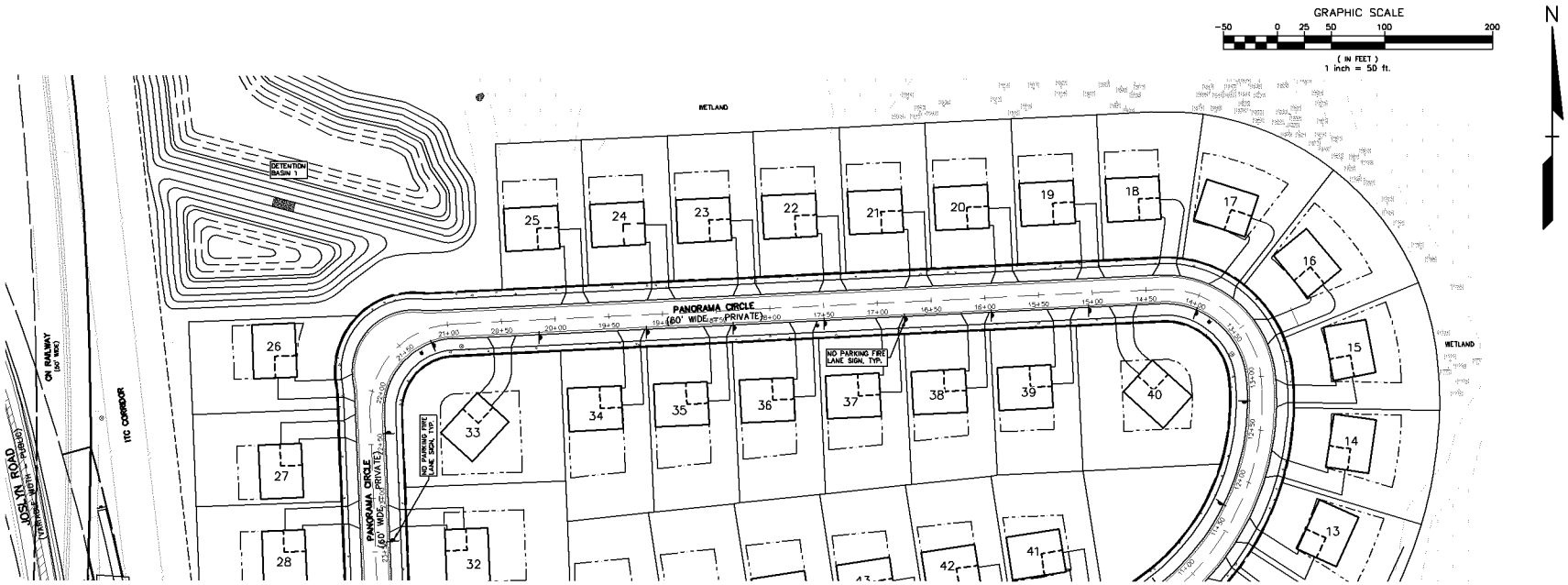
S:\PROJECTS\2018\2018150\DWG\VIN4L PUD\1-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XR\NL-18150-10PDB\FE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XR\NL PUD\1-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XR\NL PUD\1-TB-18150.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

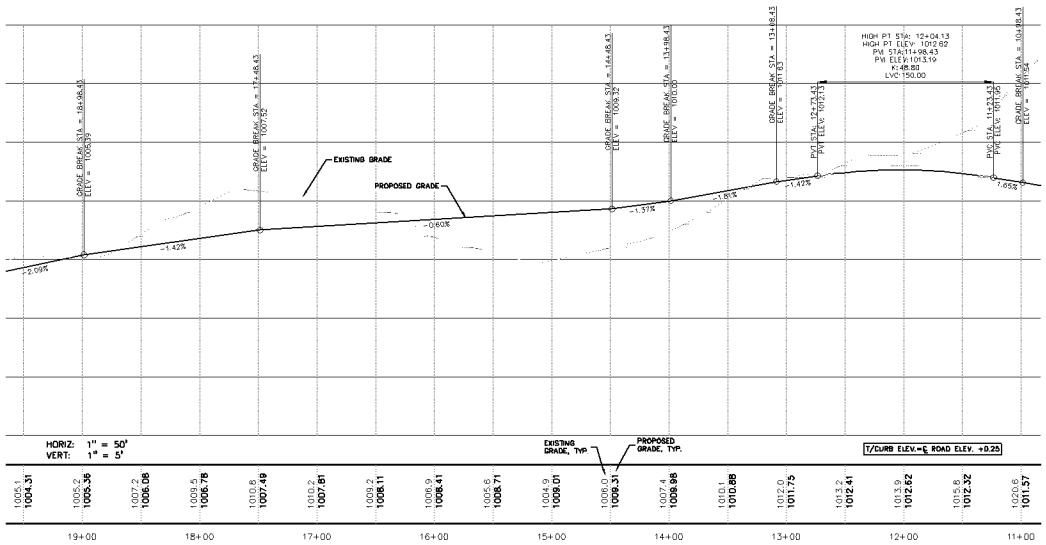
SCALE: 1" = 50'

DRAWING NUMBER:
C-3.1



SEE SHEET C-3.3 FOR CONTINUATION

SEE SHEET C-3.1 FOR CONTINUATION



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XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TB-18150.DWG

NO.	BY	DWN	DESCRIPTION	DATE

REVISIONS

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FARMINGTON HILLS, MICHIGAN 48334

ROAD PROFILES - STA. -11+00 TO 21+00
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T.3N., R.9E., ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK	DN:	TMK	SUR:	KTR	P.M.	JBT

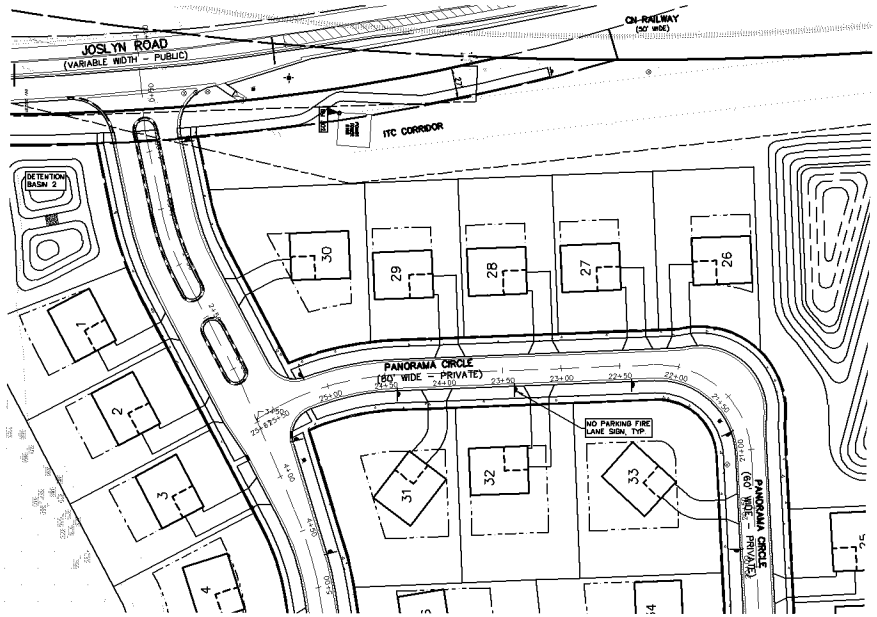
S:\PROJECTS\2018\2018-150 SILVERBELL PDFS\C-3.2 - ROAD PROFILES.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 50'

DRAWING NUMBER:
C-3.2



SEE SHEET C-3.1 FOR CONTINUATION

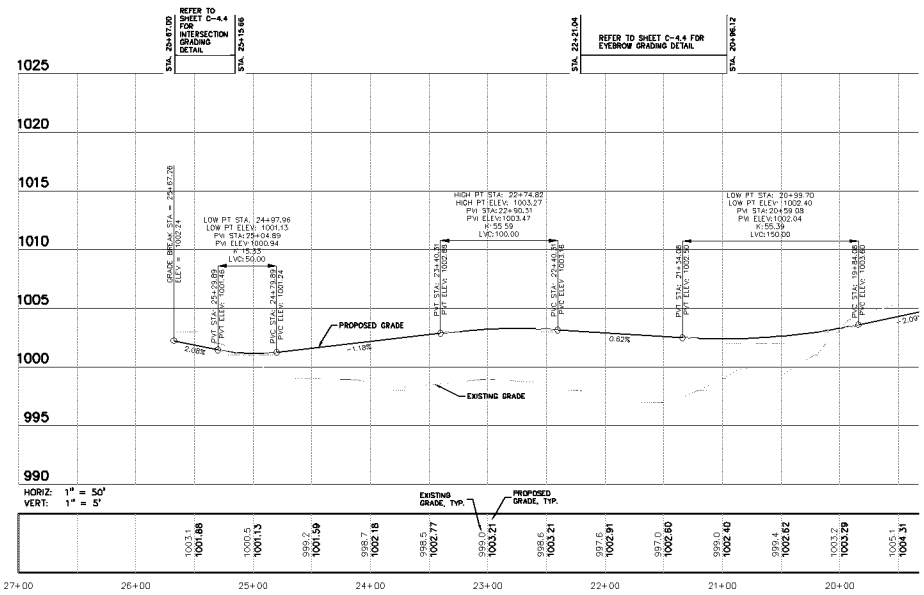
SEE SHEET C-3.2 FOR CONTINUATION

GRAPHIC SCALE

−50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

N



NO.	BY	CHK	DESCRIPTION	DATE
			REVISIONS	

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PART OF THE SE 1/4 OF SECTION 35, THE SE 1/4 OF SECTION 26, T.4N., R.11E.
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBT

S:\PROJECTS\2018\2018-150 SILVERBELL PDRE CORD - BY LANDFAN\ROADWAY\C-3 ROAD-SIDEWALK

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 50'

DRAWING NUMBER:
C-3.3

XREF: S:\PROJECTS\2018\2018150\DWG\XR150-10PORBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XRef4 PUD\U-BASE-18150D\W0
XREF: S:\PROJECTS\2018\2018150\DWG\XRef4 PUD\U-TBLK-18150.DWG

GENERAL GRADING AND EARTHWORK NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING TREES AND BRUSH AND REMOVE ALL THAT ARE NECESSARY TO GRADE SITE
2. ALL GRADES ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
3. THE STAGING OF CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY WITHIN THE SITE BOUNDARIES. ANY CONSTRUCTION ACTIVITIES OUTSIDE OF THE SITE BOUNDARIES SHALL BE AT THE SOLE RESPONSIBILITY AND RISK OF THE CONTRACTOR.
4. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF OAKLAND COUNTY. AN EROSION CONTROL PERMIT MUST BE SECURED FROM THE COUNTY PRIOR TO CONSTRUCTION.
5. SEE ADDITIONAL GRADING AND EARTHWORK NOTES ON DETAIL SHEET C-5.0
6. REFER TO SHEET C-5.0 FOR ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND NOTES.
7. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SODDED IN ACCORDANCE WITH THE LANDSCAPE PLANS. PROVIDE A MINIMUM OF 3" OF TOPSOIL IN THESE AREAS UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL NOTE EXISTING UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE SITE. BACKFILL FOR EXISTING UTILITY TRENCHES SHALL BE EXAMINED CRITICALLY. ANY TRENCHES FOUND TO HAVE SOFT, UNSTABLE OR UNSUITABLE BACKFILL MATERIAL, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, THAT ARE TO BE WITHIN THE ZONE OF INFLUENCE OF PROPOSED BUILDINGS OR PAVEMENT SHALL BE COMPLETELY EXCAVATED AND BACKFILLED WITH SUITABLE MATERIAL.

SYMBOLS: GRADING

PROPOSED SPOT GRADE ELEVATION. ALL GRADES INDICATED ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED. — 1000.50

PROPOSED CONTOUR LINE — 1000 —

EARTHWORK BALANCING NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

NOTE:

REFER TO SHEETS C-3.1 TO C-3.3 FOR ROAD PROFILES.

NOTE:

DAYLIGHT = DL = 4.5' BELOW FINISH GRADE
WALKOUT = WO = 7' BELOW FINISH GRADE

NOTE: THE LOWEST REAR YARD GRADE SHALL BE 996.9.

GRAPHIC SCALE

−40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

N

LEGEND

IRON FOUND
IRON SET
MAG. FOUND
MAG. & CAP SET
BRASS PLUG SET
MONUMENT FOUND
MONUMENT SET
SEC. CORNER FOUND
RECORDED
MEASURED
CALCULATED

EXISTING / PROPOSED

ELEC., PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
UNDERGROUND CABLE TV, ELEC. PEDESTAL
TELEPHONE U.G. CABLE, PEDESTAL & UNMARKED
ELECTRIC U.G. CABLE, UNMARKED, METER & MANHOLE
GAS MAIN, VALVE & GAS LINE MARKER
WATERMAIN, HYD., GATE VALVE, TAPPING SLEEVE & VALVE
SANITARY SEWER, CLEANOUT & UNMARKED
STORM SEWER, CLEANOUT & UNMARKED
COMBINED SEWER & UNMARKED
SQUARE, ROUND & RECTANG. CATCH BASIN, WITH GRATE
POST INDICATOR VALVE
WATER VALVE BOX/HYDRANT VALVE BOX, REPORE SHUTOFF
MANLOCK, TRANSFORMER, IRRIGATION CONTROL VALVE
UNIDENTIFIED STRUCTURE
SPOT ELEVATION
CONTOUR LINE
FENCE
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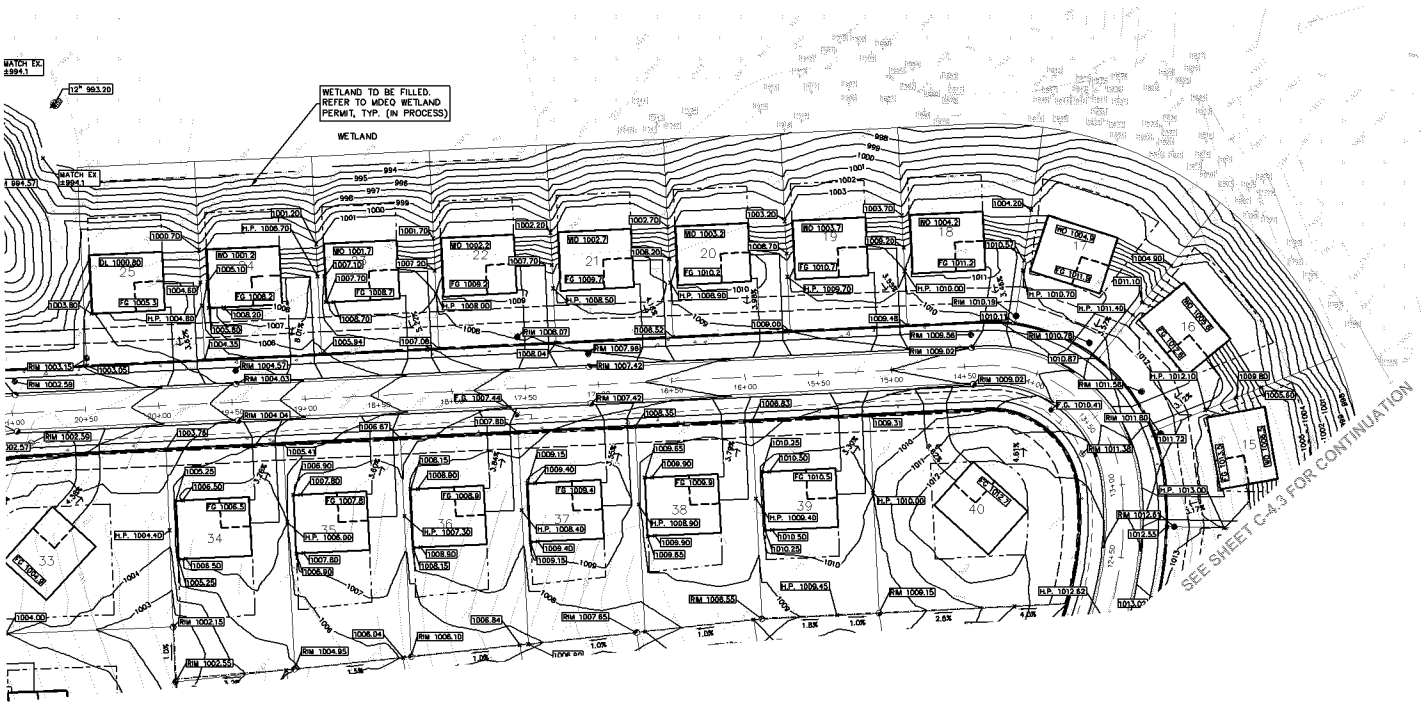
STREET LIGHT
SIGN
CONC. — CONCRETE
ASPH. — ASPHALT
GRAVEL — GRAVEL
WETLAND



REVISIONS

NO.	BY	CHK	DESCRIPTION	DATE

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f. 248.689.1044
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FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

GRADING PLAN - NORTH
SILVERBELL POINTE

PART OF THE SE 1/4 OF SECTION 25, T.3N., R.9E., ORION TOWN., OAKLAND COUNTY, MICHIGAN

DES:	TMK	DN:	TMK	SUR:	KTR	P.M.	JBT

S:\PROJECTS\2018\2018150\DWG\FINAL PLS\1-GRADING PLAN-NORTH.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-4.1

XREF: S:\PROJECTS\2018\2018150\DWG\XR150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PLS\1-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PLS\1-TB-18150.DWG

NOTE:
REFER TO SHEETS C-3.1 TO C-3.3 FOR ROAD PROFILES.

NOTE:
DAYLIGHT = DL = 4.5' BELOW FINISH GRADE
WALKOUT = WO = 7' BELOW FINISH GRADE

NOTE: ALL BASEMENT GRADES SHALL BE X FT ABOVE THE LAKE

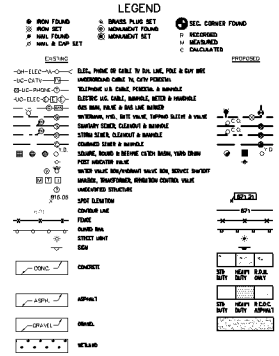
SYMBOLS: GRADING
PROPOSED SPOT GRADE ELEVATION. ALL GRADES INDICATED ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED. — 1000.50
PROPOSED CONTOUR LINE — 1000 —

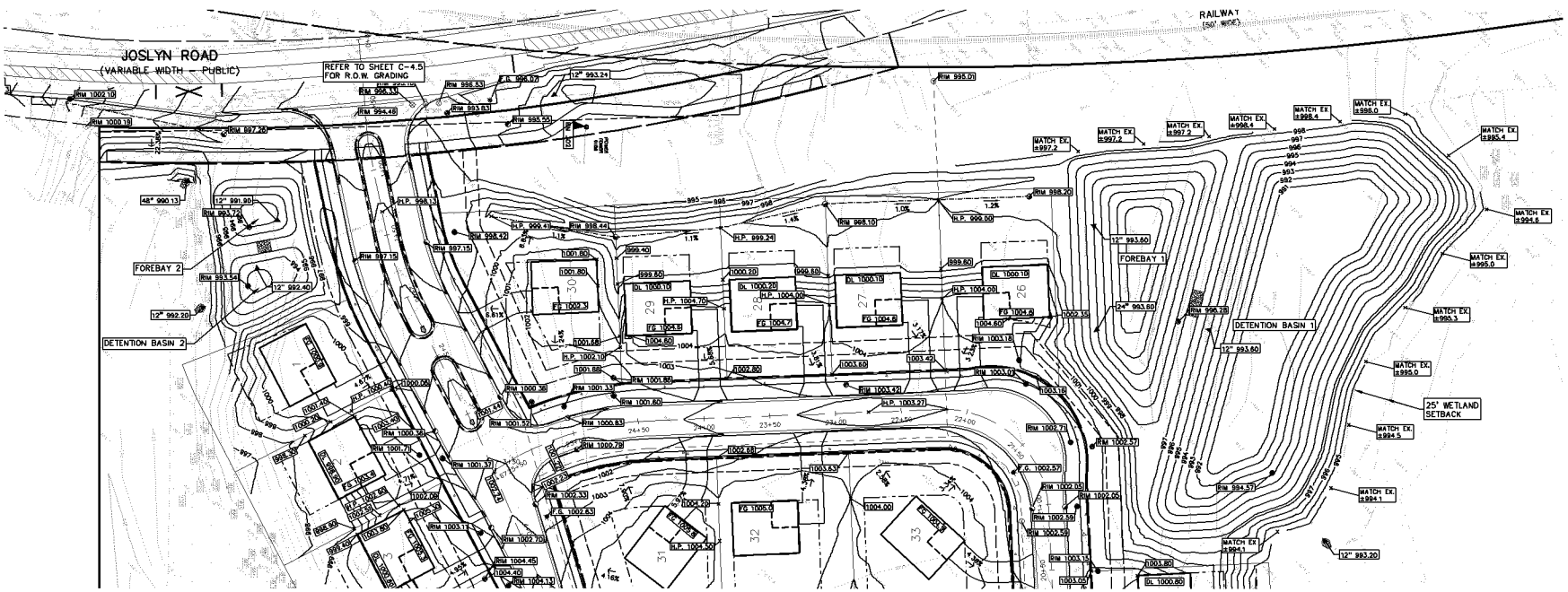
EARTHWORK BALANCING NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

GRAPHIC SCALE
-40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

N

LEGEND





REVISIONS

NO.	BY	DSCRIPTION	DATE

CAUTION!!
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CONTRACTOR: CONTRACTOR AGREES THAT IT ASSUMES SOLE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION PROJECT, INCLUDING BUT NOT LIMITED TO, JOBSITE SAFETY AND COMPLIANCE WITH ALL APPLICABLE LAWS, GOVERNMENT REGULATIONS. CONTRACTOR AGREES THAT IT WILL NOTIFY OWNER AND ENGINEER IF IT DEEMS ANY WORK REQUIRED BY THE PLANS AND SPECIFICATIONS UNSAFE. CONTRACTOR AGREES TO INDEMNIFY AND HOLD OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK, EXCEPT FOR LIABILITY ARISING SOLELY FROM THE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

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30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

GRADING PLAN - WEST
SILVERBELL POINTE
PART OF THE SE1/4 OF SECTION 25, T3N, R9E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBF

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-4.2

XREF: S:\PROJECTS\2018\2018150\DWG\18150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBL-18150.DWG

SYMBOLS: GRADING

PROPOSED SPOT GRADE ELEVATION. ALL GRADES INDICATED ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED. — 1000.50

PROPOSED CONTOUR LINE — 1000 —

EARTHWORK BALANCING NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

NOTE:

REFER TO SHEETS C-3.1 TO C-3.3 FOR ROAD PROFILES.

NOTE:

DAYLIGHT = DL = 4.5' BELOW FINISH GRADE
WALKOUT = WO = 7' BELOW FINISH GRADE

NOTE: ALL BASEMENT GRADES SHALL BE X FT ABOVE THE LAKE

GRAPHIC SCALE

−40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

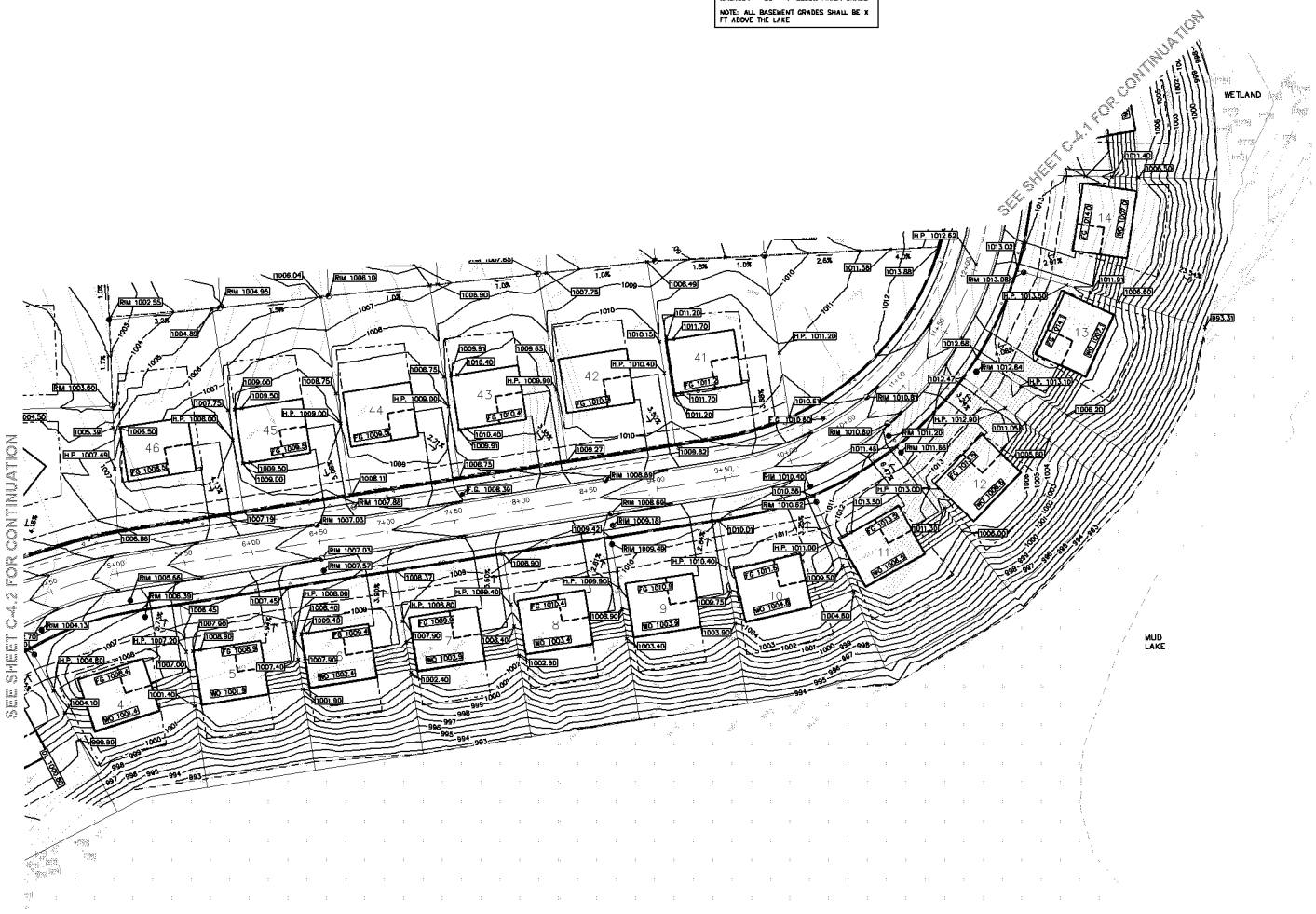
N

LEGEND

IRON FOUND
IRON SET
MAG FOUND
MAG & CAP SET
BRASS PLUG SET
MONUMENT FOUND
MONUMENT SET
SEC. CORNER FOUND
R RECORDED
M MEASURED
C CALCULATED

EXISTING / PROPOSED

ELEC., PHONE OR CABLE TV S.S. LINE, POLE & GUY WIRE
UNDERGROUND CABLE TV, GUY PEDESTAL
TELEPHONE M.H. CABLE, PEDESTAL & BARRIER
ELECTRIC M.H. CABLE, BARRIER, METER & HANDHOLE
GAS MAIN, VALVE & GAS LINE MARKER
WATERMAIN, VAL., BUTT VALVE, HYDRANT, SLEEVE & VALVE
SANITARY SEWER, CLEANOUT & MANHOLE
STORM SEWER, CLEANOUT & MANHOLE
COMBINED SEWER & MANHOLE
SIGNAL, ROAD & BRIDGE CATCH BASIN, YARD DRAIN
FIRE HYDRANT VALVE
METER VALVE BOX/HYDRANT VALVE BOX, SERVICE Sw/BOX
BUILDING, TRANSFORMER, IRRIGATION CONTROL VALVE
UNDERGROUND STRUCTURE
SPOT ELEVATION
CONTOUR LINE
FENCE
GUARD RAIL
STREET LIGHT
SIGN
CONCRETE
ASPHALT
GRAVEL
WETLAND
LIGHT DUTY / HEAVY DUTY / SOLID DAY
LIGHT DUTY / HEAVY DUTY / R.E.C. ASPHALT



REVISIONS

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GRADING PLAN - SOUTH
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T3N, R9E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBF

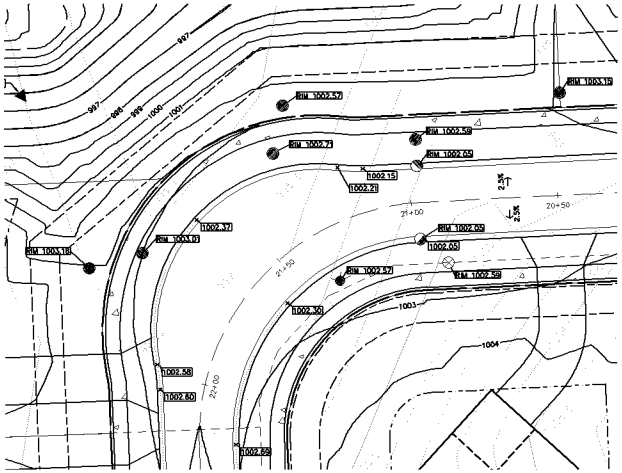
ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-4.3

XREF: S:\PROJECTS\2018\2018150\DWG\18150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBL-18150.DWG



PANORAMA CIRCLE EYEBROW DETAIL

SCALE: 1"=20'

GRAPHIC SCALE

-20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

N

SIDEWALK RAMP LEGEND:

SIDEWALK RAMP "TYPE R" (R)

CURB DROP ONLY (X)

REFER TO LATEST M.D.O.T. R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS

NOTE:

REFER TO SHEETS C-3.1 TO C-3.3 FOR ROAD PROFILES.

SYMBOLS: GRADING

PROPOSED SPOT GRADE ELEVATION. ALL GRADES INDICATED ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED. — 1000.50

PROPOSED CONTOUR LINE — 1000

LEGEND

IRON FOUND
IRON SET
MAG. FOUND
MAG. & CAP SET
BRASS PLUG SET
MONUMENT FOUND
MONUMENT SET
SEC. CORNER FOUND
R RECORDED
M MEASURED
C CALCULATED

EXISTING / PROPOSED

ELEC., PHONE OR CABLE TV BOX, LINE, POLE & GUY WIRE
UNDERGROUND CABLE TV, FIBER PERIMETER
TELEPHONE U.G. CABLE, PEDESTAL & BARRIER
ELECTRIC U.G. CABLE, BARRIER, METER & TRANSFORMER
GAS MAIN, VALVE & GAS LINE MARKER
WATERMAIN, HYD., SHUT VALVE, WATERMAIN BUFFER & VALVE
SANITARY SEWER, CLEANOUT & MANHOLE
STORM SEWER, CLEANOUT & MANHOLE
STANDARD BOARD & BARRIER
SIGNAL, BOUND & REFERENCE CT'N BOXES, TURN BOXES
POST MOUNTED SIGNS
WATER VALVE BOX/MANHOLE VALVE BOX, SERVICE SHUTOFF
MAIL BOX, TRANSFORMER, IRRIGATION CONTROL VALVE
UNDERGROUND STRUCTURE
SPOT ELEVATION
CONTOUR LINE
FENCE
BUSH/TREE
STREET LIGHT
SIGN
CONCRETE
ASPHALT
GRAVEL
WETLAND

CAUTION!!
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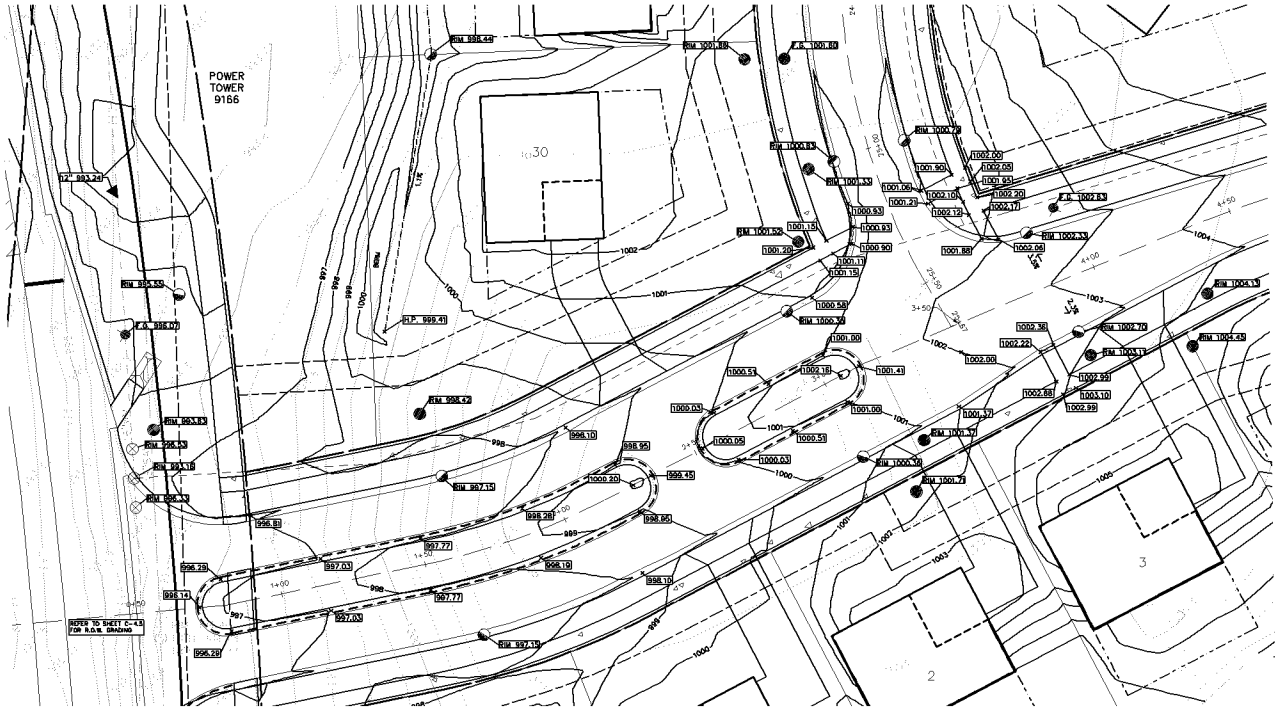

PANORAMA CIRCLE BOULEVARD AND INTERSECTION DETAIL

SCALE: 1"=20'

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FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

GRADING DETAIL
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T3N, R9E, SECTION 30, T3N, R10E
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBT

S:\PROJECTS\2018\2018150\DWG\SILVERBELL POINTE.DWG - JBT,KCT,MAN, 9/23/20 - 11:39AM, EX=10150.dwg

NO.	BY	CHK	DESCRIPTION	DATE
			REVISIONS	

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 20'

DRAWING NUMBER:

C-4.4

XREF: S:\PROJECTS\2018\2018150\DWG\XR150-10PORBATE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XRef PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XRef PUD\U-TBL-18150.DWG

R.C.O.C. NOTES:

CORRUGATED PLASTIC PIPE MEETING AASHTO M294, TYPE S REQUIREMENTS FOR STORM SEWERS FROM 12" TO 24" DIAMETERS, MAY BE USED IN THIS DEVELOPMENT. HOWEVER, PRIOR TO APPROVAL OF THE STORM SYSTEM OR START OF ROAD PAVING A MANUFACTURER'S CERTIFICATE OF COMPLIANCE WITH THESE REQUIREMENTS SHALL BE SUBMITTED TO THE ROAD COMMISSION OF OAKLAND COUNTY. ALSO AT LEAST FIFTY PERCENT OF THE SEWER CARRYING ROAD DRAINAGE, AS SELECTED BY THE ENGINEER, SHALL BE TESTED FOR DEFORMATION BY THE CONTRACTOR USING A NINEPOINT MANDREL. ENGINEER CERTIFICATION THAT THE PIPE HAS PASSED THESE TESTS SHALL BE SUBMITTED TO THE ROAD COMMISSION FOR OAKLAND COUNTY.

ALL SIDEWALKS, SIDEWALK RAMPS AND CURB OPENINGS SHALL BE IN ACCORDANCE WITH M.D.O.T. STANDARD PLAN R-28 AND A.D.A. REQUIREMENTS. CROSSWALKS SHALL HAVE A TRANSVERSE SLOPE NO GREATER THAN 2% WHERE THEY CROSS STREETS. SIDEWALKS THAT CROSS DRIVEWAYS SHALL MAINTAIN CROSS SLOPES NO GREATER THAN 2% WHERE THEY CROSS A DRIVEWAY IN ADDITION TO OTHER AREAS. SIDEWALK CURB RAMPS, CURB OPENINGS, LANDINGS AND TRUNCATED DOMES (DETECTABLE WARNING STRIPS) WILL BE INSPECTED BY THE R.C.O.C. FACILITIES THAT ARE NOT IN COMPLIANCE WITH A.D.A. REQUIREMENTS SHALL BE REMOVED AND REPLACED.

ANY RIGHT-OF-WAY OR EASEMENTS NEEDED TO INSTALL THE PROPOSED IMPROVEMENTS MUST BE OBTAINED PRIOR TO FINAL PLAN APPROVAL/STREET ACCEPTANCE OR CONSTRUCTION, WHICHEVER OCCURS FIRST.

MDOT COVER "C" (WITH TYPE "K" FRAME), "K", "B","E" REQUIRED WITHIN ROAD RIGHT-OF-WAY. ALSO ALLOWED ARE EJIW 7085/NEENAH R-3034-B OR APPROVED EQUAL AND EJIW 7300/NEENAH R-3508-A2 OR APPROVED EQUAL.

THE PROPRIETOR SHALL INSURE THAT OPEN DISCHARGE OF SUMP PUMPS INTO THE ROAD RIGHT-OF-WAY DOES NOT OCCUR.

VERIFICATION OF TOWNSHIP APPROVAL FOR SANITARY SEWER AND WATER MAIN TESTS MUST BE SUBMITTED AND FOUND ACCEPTABLE BY THE R.C.O.C., PRIOR TO ANY CONCRETE PAVING OR ASPHALT BEING PLACED.

PROPER SIGNING IS REQUIRED BEFORE ANY WORK IN R.O.W. IS STARTED.

LANE CLOSURES RESTRICTED TO 9-3 MONDAY - FRIDAY.

MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES.

FLAG PERSON REQUIRED FOR TEMPORARY ONE LANE ROADS.

GENERAL GRADING AND EARTHWORK NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING TREES AND BRUSH AND REMOVE ALL THAT ARE NECESSARY TO GRADE SITE
2. ALL GRADES ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
3. THE STAGING OF CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY WITHIN THE SITE BOUNDARIES. ANY CONSTRUCTION ACTIVITIES OUTSIDE OF THE SITE BOUNDARIES SHALL BE AT THE SOLE RESPONSIBILITY AND RISK OF THE CONTRACTOR.
4. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF OAKLAND COUNTY. AN EROSION CONTROL PERMIT MUST BE SECURED FROM THE COUNTY PRIOR TO CONSTRUCTION.
5. SEE ADDITIONAL GRADING AND EARTHWORK NOTES ON DETAIL SHEET C-5.0
6. REFER TO SHEET C-5.0 FOR ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND NOTES.
7. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SODDED IN ACCORDANCE WITH THE LANDSCAPE PLANS. PROVIDE A MINIMUM OF 3" OF TOPSOIL IN THESE AREAS UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL NOTE EXISTING UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE SITE. BACKFILL FOR EXISTING UTILITY TRENCHES SHALL BE EXAMINED CRITICALLY. ANY TRENCHES FOUND TO HAVE SOFT, UNSTABLE OR UNSUITABLE BACKFILL MATERIAL, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, THAT ARE TO BE WITHIN THE ZONE OF INFLUENCE OF PROPOSED BUILDINGS OR PAVEMENT SHALL BE COMPLETELY EXCAVATED AND BACKFILLED WITH SUITABLE MATERIAL.

LEGEND

IRON FOUND
IRON SET
MON. FOUND
MON. & CAP SET
BRASS PLUG SET
MONUMENT FOUND
MONUMENT SET
SEC. CORNER FOUND
R RECORDED
M MEASURED
C CALCULATED

EXISTING / PROPOSED

ELEC., PHONE OR CABLE TV CON. LINE, POLE & GUY WIRE
UNDERGROUND CABLE TV, DATA PEDESTAL
TELEPHONE LIN. CABLE, PEDESTAL & MANHOLE
ELECTRIC LIN. CABLE, MANHOLE, METER & TRANSFORMER
GAS MAIN, VALVE & GAS LINE MARKER
WATERMAIN, HYD., GATE VALVE, TAPPING SLEEVE & VALVE
SANITARY SEWER, CLEANOUT & MANHOLE
STORM SEWER, CLEANOUT & MANHOLE
COMBINED SEWER & MANHOLE
SIGNAGE, BOARD & BEZINE CATCH BASIN, YARD DRAIN
POST INDICATOR VALVE
WATER VALVE, BOX/VENOUT VALVE BOX, SERVICE SHUTOFF
UNKNOWN, TRANSFORMER, VENTILATION CONTROL, VAULT
UNDERGROUND STRUCTURE
SPOT ELEVATION
CONTOUR LINE
FENCE
GUARD RAIL
STREET LIGHT
SIGN

CONC. CONCRETE
ASPH. ASPHALT
GRAVEL GRAVEL
METAL METAL

SIB DUTY / HEAVY DUTY / R.O.W. ONLY
SIB DUTY / HEAVY DUTY / ASPHALT

SYMBOLS: GRADING

PROPOSED SPOT GRADE ELEVATION. ALL GRADES INDICATED ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED. 1000.50

PROPOSED CONTOUR LINE 1000

EARTHWORK BALANCING NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

GRAPHIC SCALE

-40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

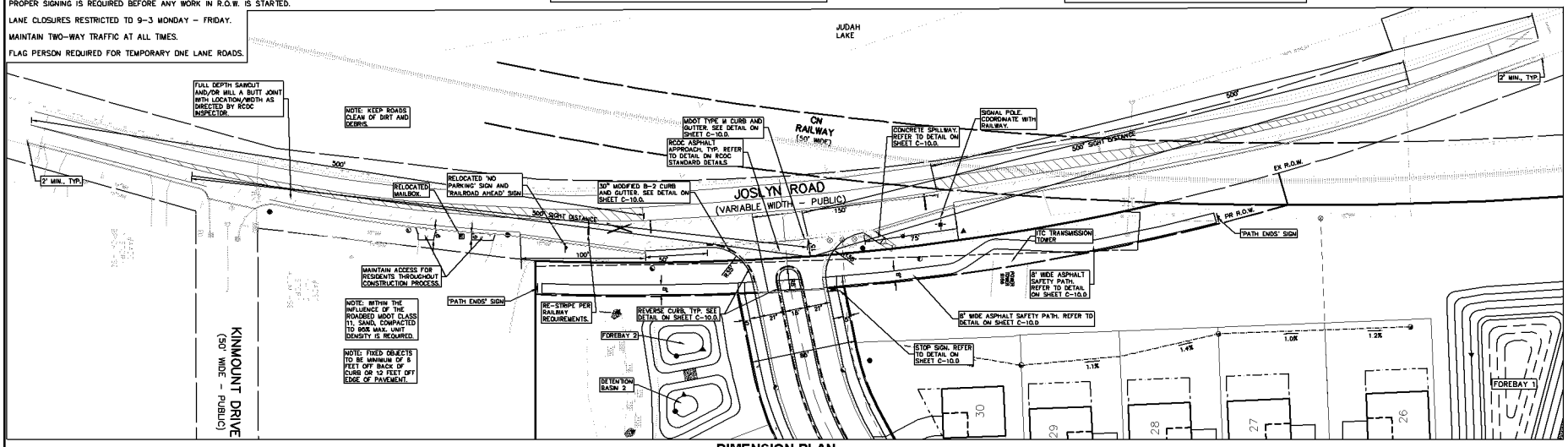
SIDEWALK RAMP LEGEND:

SIDEWALK RAMP 'TYPE R' (R)

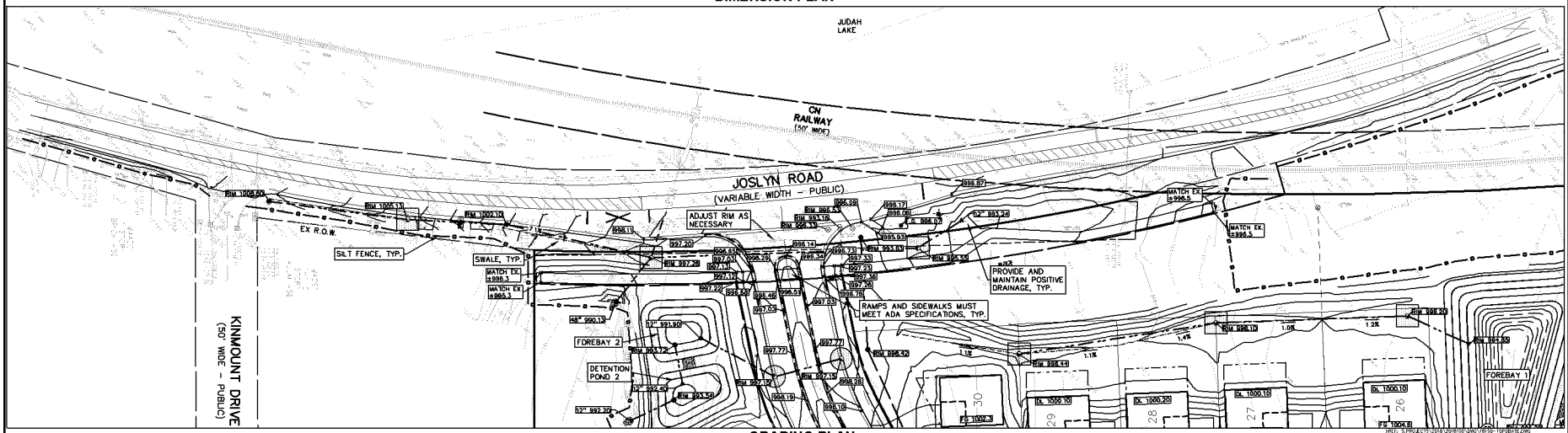
CURB DROP ONLY (X)

REFER TO LATEST M.D.O.T. R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS

N



DIMENSION PLAN



GRADING PLAN

REVISIONS

No.	BY	DWN	DESCRIPTION	DATE

CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THE PLAN AND/OR DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EXPRESS OR IMPLIED AS TO THE CORRECTNESS OF THE LOCATIONS SHOWN. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

IN DRAWING AND DESIGNS ARE THE PROPERTY OF PEA, INC. THEY ARE SUBMITTED ON THE GROUND AS THEY ARE NOT TO BE USED, REPRODUCED, OR COPIED IN WHOLE OR IN PART, OR ARE TO BE FURNISHED IN ANY WAY TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF PEA, INC. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS ARE HEREBY RESERVED BY PEA, INC.

CONTRACTOR CONTRACTOR AGREES THAT IT ASSUMES SOLE RESPONSIBILITY FOR JOB SITE CONSTRUCTION PRACTICES, CONSTRUCTION METHODS, CONSTRUCTION SAFETY AT THE JOB SITE, AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS CLAUSE SHALL BE BINDING ON CONTRACTOR AND NOT ON PEA, INC. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARMLESS PEA, INC. FROM ANY AND ALL CLAIMS BY PERSONS OR PROPERTY, INCLUDING ALL COSTS, LOSSES AND EXPENSES ARISING OUT OF OR IN CONNECTION WITH THE PROJECT EXCEPT FOR SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

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f. 248.689.1044
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FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

R.O.W. GRADING AND DIMENSION PLAN
SILVERBELL POINTE
LAKE LIT. THE SE 1/4 OF SECTION 25, THE SW 1/4 OF SECTION 25, T.4N., R.11E.
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK	DN:	TMK	SUR:	KTR	P.M.	JBT

Z:\PROJECTS\2018\2018-150 SILVERBELL POINTE, ORION - JP\ENGINEERING\R-O-W\R-O-W GRADING PLAN.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-4.5

XREF: S:\PROJECTS\2018\2018150\DWG\BASE - 18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XRAIL PLOT\R-BASE - 18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XRAIL PLOT\R-TB-F - 18150.DWG

SOIL EROSION MAINTENANCE SCHEDULE AND NOTES:

1. THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT BY:

   DAVID STEUER
   FRANKLIN RIDGE HOMES, LLC
   30180 ORCHARD LAKE ROAD, SUITE 150
   FARMINGTON HILLS, MI 48334
   (248) 790-4481

2. IF ANY DAMAGE HAS OCCURRED AS A RESULT OF STORM WATER DISCHARGE FROM THE SITE, THE FOLLOWING STEPS SHALL BE IMPLEMENTED.
3. ANY DEBRIS OR DIRT ON ANY PAVED AREA RESULTING FROM CONSTRUCTION TRAFFIC SHALL BE CLEANED IN A PROMPT MANNER BY THE CONTRACTOR. THE CONSTRUCTION DRIVE SHALL BE CLEANED AT THE END OF EACH DAY.
4. ALL DIRT AND MUD TRACKED ONTO PAVED AREAS SHALL BE REMOVED BY THE CONTRACTOR DAILY BY SCRAPING. STREET SWEEPING IS REQUIRED WEEKLY.
5. SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT UP SEDIMENT WHEN THE SEDIMENT HEIGHT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE, REPLACE, RETRENCH OR REBACKFILL THE SILTATION FENCE SHOULD IT FAIL OR BE DAMAGED DURING CONSTRUCTION.
6. INLET FILTER MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SILT OR OTHER DEBRIS. THE REMOVAL OF SILT SHOULD BE WITH THE USE OF A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET FILTERS CAN NOT BE CLEANED OR ARE DAMAGED, THEN THE FABRIC MUST BE REPLACED.
7. CONTRACTOR TO PROVIDE WATER TRUCK TO WATER DOWN THE SITE ON A DAILY BASIS AS REQUIRED TO MAINTAIN DUST CONTROL.
8. IF HIGH GROUNDWATER IS ANTICIPATED OR ENCOUNTERED DURING CONSTRUCTION A DEWATERING PLAN MUST BE SUBMITTED TO THE CITY ENGINEERING DIVISION FOR REVIEW.

SEQUENCE OF CONSTRUCTION:

START DAY	END DAY	
1	7	INSTALL CRUSHED LIMESTONE AGGREGATE ACCESS DRIVE AT SITE ACCESS POINTS.
1	7	INSTALL TEMPORARY SOIL EROSION CONTROL MEASURES, SILT FENCES, INLET FILTERS, ETC. AS NECESSARY.
2	7	REMOVE ALL VEGETATION, TREES AND BRUSH FROM THE PROPOSED CONSTRUCTION AREA UNLESS MARKED TO REMAIN. STRIP AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE GRADED AND SEEDED.
2	7	REMOVE ALL PAVEMENT, SIDEWALK, UTILITIES, SIGNS, ETC. AS REQUIRED TO INSTALL THE PROPOSED WORK AS SHOWN ON THE DEMOLITION PLAN.
2	7	DISPOSE OF ALL EXCESS/UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO ON-SITE BURN OR BURY PITS ALLOWED.
6	45	ROUGH GRADE SITE. SEED AND MULCH BLANKETS MUST INSTALLED AS SHOWN WITHIN 5 DAYS OF FINAL GRADE. REPAIR AND/OR RE-INSTALL ANY TEMPORARY SOIL EROSION CONTROL MEASURES THAT WERE DAMAGED DURING GRADING OPERATIONS.
45	120	INSTALL SITE UTILITIES (STORM SEWER, SANITARY SEWER, WATER MAIN ETC.). INSTALL INLET FILTERS AT CATCH BASINS AS SHOWN.
90	470	BEGIN CONSTRUCTION OF BUILDINGS.
180	210	FINE GRADE SITE AND PREPARE FOR SITE PAVING OPERATIONS.
210	440	INSTALL ALL PAVEMENT, SIDEWALKS, CURBING AS PROPOSED. REPAIR INLET FILTERS, SILT FENCE AND ANY OTHER DAMAGED SOIL EROSION CONTROL MEASURES AS NECESSARY.
440	470	FINAL GRADE, REDISTRIBUTE STOCKPILED TOPSOIL, ESTABLISH VEGETATION AND INSTALL ALL PERMANENT LANDSCAPING IN ALL DISTURBED AREAS NOT BUILT.
470	490	CLEAN PAVEMENT AND REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES. RE-ESTABLISH VEGETATION AS REQUIRED.
490	500	REMOVE SEDIMENTATION CONTROLS ONCE ENTIRE SITE HAS BEEN PERMANENTLY STABILIZED.

GRAPHIC SCALE

-60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

EROSION CONTROL QUANTITIES:

SILT FENCE	4350 LF
LOW POINT INLET FILTER	22 EA.
RYCB INLET FILTER	13 EA.
TEMPORARY CONSTRUCTION ACCESS DRIVE	1 EA.

LEGEND

EXISTING / PROPOSED

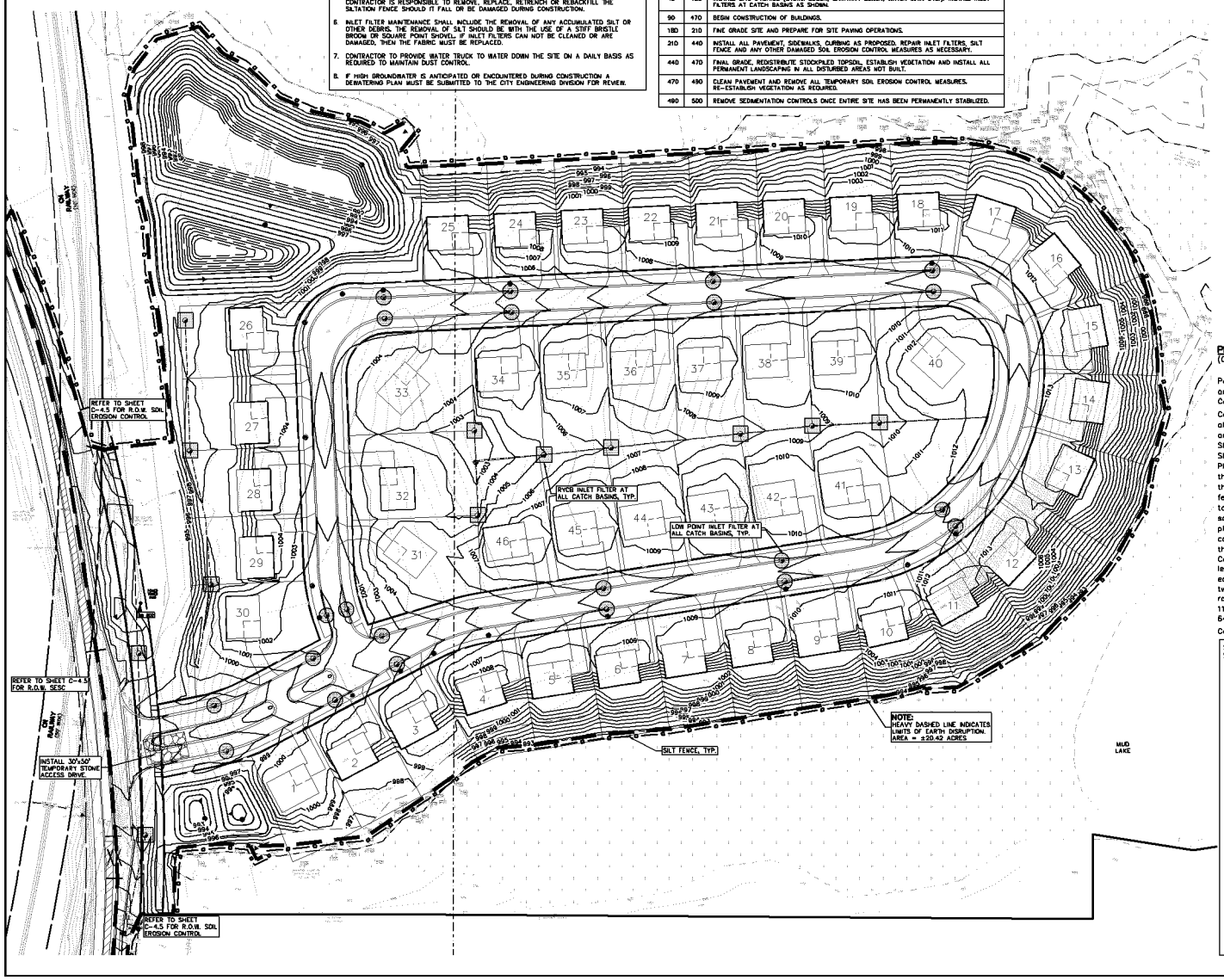
SYMBOLS: EROSION CONTROL:

- (SP-2) SILT FENCE
- (SI-2A) LOW POINT INLET FILTER
- (SI-3) RYCB INLET FILTER
- (SP-9) TEMPORARY STONE ACCESS DRIVE

REFER TO O.C.W.R.C. SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET FOR ALL DEVICE DETAILS.

GENERAL SITE CONDITIONS:

1. ACCORDING TO "SOIL SURVEY OF OAKLAND COUNTY, MICHIGAN" THE PROPOSED
2. DEVELOPMENT'S SOIL CONDITIONS PRIMARILY CONSIST OAKVILLE FINE SAND, HOUGHTON AND ADRIAN MUCKS, TEDROW LOAMY SANDY
3. TOTAL DISTURBED AREA = ±20.42 ACRES
4. N.P.D.E.S. NOTICE OF COVERAGE IS REQUIRED



PROPERTY DESCRIPTION:

(Combined parcel as surveyed by PEA Inc.)

Part of the southeast and southwest 1/4 of Section 28, together with part of the northeast and northwest 1/4 of Section 33, Town 4 North, Range 10 East, Orion Township, Oakland County, Michigan being more particularly described as:

Commencing at the South 1/4 corner of said Section 28, thence N00°54'08"E, 1037.64 feet along the north-south 1/4 line of said section to the south line of Silverbell Road (66' wide) and the Point of Beginning; thence along said south line N81°37'08"E, 338.39 feet; thence S00°54'11"W, 1087.57 feet to the east-west 1/4 line of said section; thence along said line S89°44'45"E, 999.50 feet; thence S00°20'21"E, 1319.24 feet to the north line of "Supervisor's Plat of Lakeview Subdivision" as recorded in Liber 53, Page 21, Oakland County Records; thence along said north line, N89°37'34"W, 293.09 feet; thence N00°10'08"W, 119.60 feet; thence the following four courses along the waters edge of Mud Lake, S64°19'49"W, 74.39 feet and N70°02'23"W, 24.20 feet and S81°31'02"W, 81.02 feet and N81°08'09"W, 121.30 feet to the northerly extension of the west line of Lot 12 of said supervisor's plat; thence along said extension, S00°10'08"E, 100.45 feet to the aforementioned north line of said supervisor's plat; thence along said north line, N89°37'34"W, 768.31 feet to a 3/8" iron in a 4" square concrete monument; thence continuing along said north line, N89°55'57"W, 363.34 feet to the east line of Joslyn Road (66' wide) as recorded in Liber 36264, Page 120, Oakland County Records; thence along said east line, 509.14 feet along the arc of a curve to the left having a radius of 1903.83 feet and a chord that bears N05°17'23"W, 507.63 feet to the east line of the Canadian National Rail Road Right-of-Way (50' wide); thence the following two courses along said east line, 580.44 feet along the arc of a curve to the left having a radius of 3299.18 feet and a chord that bears N03°05'32"W, 579.69 feet and N08°08'02"W, 1187.11 feet to the south line of said Joslyn Road; thence along said south line, N81°37'17"E, 644.53 feet to the Point of Beginning.

Containing 73.419 acres of land, more or less

SOIL EROSION AND SEDIMENTATION CONTROL SEQUENCE OF CONSTRUCTION

1. SEE OAKLAND COUNTY W.R.C. SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET FOR ALL SOIL EROSION CONTROL RELATED DETAILS.
2. PLACE SILT FENCE & INSTALL INLET FILTERS ON EXISTING STORM SEWER STRUCTURES, ACCORDING TO PLANS.
3. INSTALL TEMPORARY CRUSHED LIMESTONE AGGREGATE ACCESS DRIVE AT ALL CONSTRUCTION ENTRANCES. (80'x24'x8" W/MINIMUM OF 1"-3" CRUSHED AGGREGATE - NO FINES).
4. REMOVE CURB, PAVEMENT, TREES, ETC. AS DIRECTED ON THE DEMOLITION PLAN.
5. STRIP AND STOCKPILE TOPSOIL FOR RESTORATION REQUIREMENTS.
6. DISPOSE OF ALL EXCESS, UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO BURN OR BURY PITS ALLOWED.
7. UNSUITABLE MATERIALS CONSIST OF, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING: CONCRETE, ASPHALT, TREES, BRUSH, STUMPS, ROOTS, OR OTHER MISCELLANEOUS DEBRIS OR TRASH.
8. MASS GRADE THE SITE IN ACCORDANCE WITH THE PLANS.
9. INSTALL SEED, MULCH AND EROSION CONTROL BLANKETS AS SHOWN ON THE PLAN WITHIN 5 DAYS OF COMPLETION OF MASS GRADING OR WHENEVER DISTURBED AREAS WILL REMAIN UNCHANGED FOR 30 DAYS OR GREATER. 3-4" TOPSOIL WILL BE USED WHERE VEGETATION IS REQUIRED.
10. COMPLETE ROUGH GRADING OF SITE AND INSTALL UTILITIES. PLACE INLET FILTERS AT ALL INLETS AND CATCH BASINS, AS SHOWN.
11. FINISH GRADE AND PAVE SITE AS PROPOSED TO DRAIN TO STORM SEWER SYSTEM. REPAIR INLET FILTERS AS REQUIRED.
12. APPLY TOPSOIL, SEED AND MULCH/SOD TO ALL DISTURBED AREAS UPON COMPLETION OF GRADING. THE CONTRACTOR SHALL STAGE CONSTRUCTION ACTIVITIES IN ORDER TO MINIMIZE THE EXPOSURE OF UNSTABILIZED AREAS.
13. CLEAN PAVEMENT AND STORM SEWERS. REMOVE SILT FENCE, AND INLET FILTERS ONCE VEGETATION HAS BEEN ESTABLISHED.
14. CLEAN DETENTION BASIN AND OVERFLOW SPILLWAYS AND REPAIR RIPRAP AS NECESSARY.
15. ALL DIRT AND MUD TRACKED ONTO PUBLIC ROADS SHALL BE REMOVED DAILY.
16. STREET CATCH BASINS TO BE PERIODICALLY CLEANED AND FILTER CLOTH CHANGED AND MAINTAINED.

XREF: S:\PROJECTS\2018\2018150\DWG\XR150-150BASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XRAIL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\XRAIL PUD\U-TB-18150.DWG

REVISIONS

No.	BY	DATE	DESCRIPTION

CAUTION!!!

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CONTRACTOR CONTRACTOR AGREES THAT IT ASSUMES FULL RESPONSIBILITY FOR JOB SITE CONDITIONS, PRACTICES, CONSTRUCTION PROCEDURES, EQUIPMENT, MATERIALS, TOOLS AND COMPLIANCE WITH OSHA, MSHA AND OTHER LAWS, CODES AND REGULATIONS FOR THE JOB SITE. CONSULTANT DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, HAS NO AUTHORITY TO EXERCISE ANY PROFESSIONAL JUDGMENT, NOR IS ANY REQUIREMENT BEING MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO, PERIODIC, PARTIAL OR SPORADIC OBSERVATIONS DURING CONSTRUCTION SUFFICIENT TO ENSURE THE CONTRACTOR'S WORK IS PROCEEDING IN ACCORDANCE WITH THE PROJECT CONTRACT DOCUMENTS. CONSULTANT MAKES NO WARRANTY AND ASSUMES NO LIABILITY FOR, OR ALLEGATIONS OF, ANY DEFICIENCIES OR DEFECTS IN THE WORK WITHIN THE PROJECT EXCEPT FOR WILLFUL MISCONDUCT OR GROSS NEGLIGENCE OF THE DESIGN PROFESSIONAL.

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30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

SOIL EROSION CONTROL PLAN
SILVERBELL POINTE

PART OF THE SE1/4 OF SECTION 28 & THE NE1/4 OF SECTION 33, T4N, R10E
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK	DN:	TMK	SUR:	KTR	P.M.	JBF

S:\PROJECTS\2018\2018150\DWG\XR150-150BASE.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 60'

DRAWING NUMBER:
C-5.0

CROSSING		CROSSING PIPE 1			CROSSING PIPE 2			Clearance	NOTES
1	8 "	SAN	T/P=	987.84	8 "	WM	B/P=	994.78	6.95	
2	15 "	ST	B/P=	985.19	8 "	WM	T/P=	993.69	1.50	DIP WATER MAIN
3	12 "	ST	B/P=	995.69	8 "	SAN	T/P=	988.30	7.40	
4	12 "	ST	T/P=	998.69	8 "	WM	B/P=	998.19	1.50	
5	24 "	ST	B/P=	993.50	8 "	SAN	T/P=	991.99	1.51	
6	12 "	ST	B/P=	992.33	8 "	SAN	T/P=	983.80	8.53	
7	8 "	SAN	T/P=	983.87	8 "	WM	B/P=	990.83	6.97	
8	48 "	ST	B/P=	989.47	8 "	SAN	T/P=	986.91	2.56	
9	12 "	ST	B/P=	992.76	8 "	SAN	T/P=	983.03	9.74	
10	12 "	ST	B/P=	993.91	15 "	WM	T/P=	987.56	5.45	
11	12 "	ST	B/P=	993.70	8 "	SAN	T/P=	987.72	5.98	
12	12 "	ST	B/P=	992.27	8 "	WM	T/P=	990.77	1.50	DIP WATER MAIN
13	12 "	ST	B/P=	993.99	8 "	WM	T/P=	992.49	1.50	DIP WATER MAIN
14	8 "	SAN	T/P=	991.37	8 "	WM	B/P=	997.30	5.93	
15	24 "	ST	B/P=	993.74	8 "	WM	T/P=	992.24	1.50	DIP WATER MAIN
16	48 "	ST	B/P=	989.42	16 "	WM	T/P=	986.14	3.28	
17	12 "	ST	B/P=	998.93	16 "	WM	T/P=	998.22	0.81	

SANITARY SEWER BASIS OF DESIGN:
(Unit Factors Based on Oakland County Unit Assignment Factors)
Residential Dwelling

INITIAL DESIGN

Number of Lots	46.0
REU	46.0
Population (P) (2.44 PEOPLE/EDU)	112 People
Average Flow (100 GPCPD)	11,200 G.P.D.
	0.017 C.F.S.
P (1000s)	0.112
Peaking Factor (PF)	4.23
PF = (18+sqrt(P))/(4+sqrt(P))	
Peak Flow (G.D.P.)	47,374 G.P.D.
Peak Flow (C.F.S.)	0.073 C.F.S.

ULTIMATE DESIGN

Number of Lots	46.0
REU	46.0
Population (P) (2.44 PEOPLE/EDU)	112 People
Average Flow (100 GPCPD)	11,200 G.P.D.
	0.017 C.F.S.
P (1000s)	0.112
Peaking Factor (PF)	4.23
PF = (18+sqrt(P))/(4+sqrt(P))	
Peak Flow (G.D.P.)	47,374 G.P.D.
Peak Flow (C.F.S.)	0.073 C.F.S.

WATER MAIN BASIS OF DESIGN:
(Unit Factors Based on Oakland County Unit Assignment Factors)
Residential Dwelling

INITIAL DESIGN

Number of Lots	46.0
REU	46.0
Population (P)	112 People
Average Flow (150 GPCPD)	16,800 G.P.D.
	0.026 C.F.S.
	0.017 M.G.D.
Design Max. Flow = (2*avg)	33,600 G.P.D.
	0.052 C.F.S.
	0.034 M.G.D.

ULTIMATE DESIGN

Number of Lots	46.0
REU	46.0
Population (P)	112 People
Average Flow (150 GPCPD)	16,800 G.P.D.
	0.026 C.F.S.
	0.017 M.G.D.
Design Max. Flow = (2*avg)	33,600 G.P.D.
	0.052 C.F.S.
	0.034 M.G.D.

SANITARY SEWER QUANTITIES:

8" PVC TRUSS PIPE	2572 LF
4' DIA. MANHOLE	21 EA.

WATER MAIN QUANTITIES:

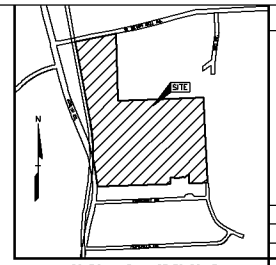
8" D.I.M.M. CLASS 54	2431 LF
8" GATE VALVE AND WELL	8 EA.
HYDRANT ASSEMBLY	8 EA.
RELOCATE HYDRANT	1 EA.

STORM SEWER QUANTITIES:

6" HDPE UNDERDRAIN	918 LF
12" RCP CL-IV PIPE	3227 LF
15" RCP CL-IV PIPE	597 LF
18" RCP CL-IV PIPE	216 LF
24" RCP CL-IV PIPE	206 LF
48" RCP CL-IV PIPE	46 LF
12" CONC. END SECTION W/ BAR GRATE	9 EA.
24" CONC. END SECTION W/ BAR GRATE	1 EA.
4' DIA. CATCH BASIN	34 EA.
4' DIA. MANHOLE	17 EA.

GRAPHIC SCALE
-60 0 30 60 120 240
(IN FEET)
1 inch = 60 ft.

NOTE:
CONTRACTOR TO VERIFY ALL QUANTITIES. ANY DEVIATIONS TO THE PLAN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF PEA, INC. FOR VERIFICATION, PRIOR TO BIDDING.



LOCATION MAP - NOT TO SCALE

LEGEND

IRON FOUND
IRON SET
MAL. FOUND
MAL. & CAP SET
BRASS PLUG SET
MONUMENT FOUND
MONUMENT SET
SEC. CORNER FOUND
P RECORDED
M MEASURED
C CALCULATED

EXISTING / PROPOSED

ELEC., PHONE OR CABLE TV BOX, UNE, POLE & GUY WIRE
UNDERGROUND CABLE TV, CATV PEDESTAL
TELEPHONE BOX, CABLE, PEDESTAL & BARRICLE
ELECTRIC BOX, CABLE, BARRICLE, METER & BARRICLE
FIRE HOSE, VALVE & BOX LINE MARKER
HYDRANT, VALVE, GATE VALVE, TAPPING SLEEVE & VALVE
SANITARY SEWER, CLEANOUT & BARRICLE
STORM SEWER, CLEANOUT & BARRICLE
COMBINED SEWER & BARRICLE
SQUARE, ROUND & DECORAT. CATCH BASIN, YARD DRAIN
POST HYDRANT VALVE
WATER VALVE, BOX/BARRICLE WELL BOX, SERVICE BRASS/BOXT
WASHER, TRANSFORMER, IRRIGATION CONTROL VALVE
UNDERGROUND STRUCTURE
SPOT ELEVATION
CONTOUR LINE
FENCE
GUARD RAIL
BOLLARD LIGHT
SIGN
CONC. CONCRETE
ASPH. ASPHALT
GRAVEL GRAVEL
WETLAND
STD. BUTT STD. BUTT
HEAVY BUTT
R.D.C. ASPHALT

CAUTION!!!
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f 248.689.1044
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GENERAL UTILITY NOTES:

1. ALL UTILITY LINES, STRUCTURES AND TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS OF ORION TOWNSHIP.
2. NO PHYSICAL CONNECTION TO THE EXISTING WATER MAIN CAN BE MADE UNTIL ALL NEW WATER MAIN PASSES PRESSURE AND BACTERIOLOGICAL TESTS TO THE SATISFACTION OF THE TOWNSHIP.
3. REFER TO DETAIL SHEETS C-10.0 FOR ADDITIONAL UTILITY DETAILS AND NOTES.
4. ALL WATER MAIN AND FITTINGS (3" DIAMETER AND LARGER) SHALL BE DUCTILE IRON, CLASS 54.
5. WATER MAIN SERVICE LEADS SHALL BE TYPE 'K' ANNEALED SEAMLESS COPPER WITH FLARED FITTINGS, UNLESS OTHERWISE NOTED.
6. ALL WATER MAIN SHALL BE PROVIDED WITH 5.5' OF COVER UNLESS OTHERWISE NOTED.
7. ALL FIRE HYDRANTS SHALL BE E.JIW #5BR MODEL #250 PER TOWNSHIP STANDARDS.
8. ALL HYDRANTS TO BE A MINIMUM OF 5' FROM BACK OF CURB, TYP.
9. ALL NECESSARY FITTINGS, THRUST BLOCKS, RESTRAINING GLANDS, BLOW OFFS, ETC. FOR WATER MAIN ARE CONSIDERED INCIDENTAL TO THIS PROJECT. THE CONTRACTOR SHALL INSTALL THESE ITEMS AS NECESSARY AND AS REQUIRED BY ORION TOWNSHIP.
10. THE WATER MAIN CONTRACTOR SHALL NOTIFY THE INSPECTION SECTION OF THE DETROIT WATER AND SEWER DEPARTMENT AT (313) 833-4682 AT LEAST THREE WORKING DAYS IN ADVANCE OF STARTING CONSTRUCTION.
11. ALL SANITARY SEWER 8" OR LARGER SHALL BE P.V.C. TRUSS PIPE (ASTM D2680) AND FITTINGS, WITH ELASTOMERIC GASKET JOINTS PER ASTM D3212 UNLESS OTHERWISE NOTED.
12. ALL SANITARY SEWER LEADS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 23.5 PIPE AND FITTINGS. ALL JOINTS TO BE ELASTOMERIC GASKET JOINTS PER ASTM D3212 UNLESS OTHERWISE NOTED.
13. SANITARY LEADS SHALL BE PROVIDED WITH CLEANOUTS EVERY 100 FEET AND AT EVERY BEND AS SHOWN. ALL CLEANOUTS TO BE PROVIDED WITH E.J.I.W. #1565 BOX OR EQUAL.
14. ALL STORM SEWER 12" DIAMETER OR LARGER SHALL BE REINFORCED CONCRETE PIPE (RCP C-76) CLASS IV WITH MODIFIED TONGUE AND GROOVE JOINT WITH RUBBER GASKETS UNLESS SPECIFIED OTHERWISE (ASTM C-443).
15. ALL STORM SEWER LEADS SHALL BE PVC SCHEDULE 40 WITH GLUED JOINTS UNLESS OTHERWISE NOTED.
16. PIPE LENGTHS ARE GIVEN FROM CENTER OF STRUCTURE AND TO END OF FLARED END SECTION UNLESS NOTED OTHERWISE.
17. THE ORION TOWNSHIP STANDARD DETAIL SHEETS ARE INCORPORATED INTO AND MADE A PART OF THESE PLANS. CONTRACTOR TO REFER TO THE ORION TOWNSHIP STANDARD DETAIL SHEETS FOR ALL STRUCTURE, PIPE MATERIALS, BEDDING, TESTING, ETC. NOTES AND DETAILS.

PUBLIC UTILITY EASEMENTS:
ALL SANITARY SEWERS 10" AND LARGER IN DIAMETER ARE TO BE PUBLIC AND SHALL BE LOCATED IN A 20' WIDE EASEMENT. ALL WATER MAIN SHALL BE LOCATED IN A 20' WIDE EASEMENT.

STORM SEWER FRAME & COVER NOTES

CATCH BASIN/INLET WITHIN CURB
USE MDOT TYPE 'C' COVER WITH MDOT 'K' FRAME

CATCH BASIN/INLET WITHIN GRASS AREAS
USE E.J.I.W. #1040 WITH TYPE '02' BECHIVE COVER

MANHOLE
USE MDOT TYPE 'B' COVER

3REF: S:\PROJECTS\2018\2018150\DWG\18150-TOPOBASE.DWG
3REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
3REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBL-18150.DWG

REVISIONS		
No.	BY	DATE

FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

OVERALL UTILITY PLAN
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T3N, R9E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK	DN:	TMK	SUR:	KTR	P.M.	JBT

S:\PROJECTS\2018\2018150\SILVERBELL POINTE CONDO - BY LANDMARK\DWG\18-OVERALL UTIL-18150.dwg

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 60'

DRAWING NUMBER:
C-6.0

LEGEND

IRON FOUND	BRASS PLUG SET
IRON SET	MONUMENT FOUND
NAIL FOUND	MONUMENT SET
NAIL & CAP SET	

SEE. CORNER FOUND
R RECORDED
M MEASURED
C CALCULATED

EXISTING / PROPOSED

ELEC., PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
UNDERGROUND CABLE TV, DATA PEDESTAL
TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
ELECTRIC U.G. CABLE, MANHOLE, METER & MANHOLE
GAS GATE VALVE & GAS LINE MARKER
WATERMAIN, HYD., GATE VALVE, TAPPING SLEEVE & VALVE
SANITARY SEWER, CLEANOUT & MANHOLE
STORM SEWER, CLEANOUT & MANHOLE
CONDUIT SEWER & MANHOLE
SQUARE, ROUND & RECTANGULAR CATCH BASIN, YARD DRAIN
POST INDICATOR VALVE
WATER VALVE BOX/INTERRUPT VALVE BOX, SERVICE SAN/STOP
MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE
UNIDENTIFIED STRUCTURE
SPOT ELEVATION
CONTOUR LINE
FENCE
GUARD RAIL
STREET LIGHT
SIGN
CONC. CONCRETE
ASPH. ASPHALT
GRAVEL GRAVEL
WETLAND

STD DUTY | HEAVY DUTY | BLDG. DUTY
STD DUTY | HEAVY DUTY | R.O.C. ASPHALT

NOTE:
SEE SHEET C-8.0 FOR UTILITY NOTES FOR QUANTITIES.

STORM SEWER FRAME & COVER NOTES

CATCH BASIN/INLET WITHIN CURB
USE MDOT TYPE 'C' COVER WITH MDOT 'K' FRAME

CATCH BASIN/INLET WITHIN GRASS AREAS
USE E.J.I.W. #1040 WITH TYPE '002' BEEHIVE COVER

MANHOLE
USE MDOT TYPE 'B' COVER

SAND BACKFILL NOTE:
ALL UTILITIES UNDER PAVEMENT OR WITHIN 3' OF THE EDGE OF PAVEMENT (OR WITHIN THE 45° LINE OF INFLUENCE OF PAVEMENT) SHALL HAVE M.D.O.T. CLASS II GRANULAR BACKFILL COMPACTED TO 95% MAX. DRY DENSITY (ASTM D-1557).

STORM STRUCTURES		
CB	52	(4' DIA./2' SUMP) RIM = 995.55 12" NW 992.66 12" S 992.66
CB	67	(8' DIA./2' SUMP) RIM = 997.26 12" N 991.90 48" SE 988.93 12" S 992.33 48" W 989.93
MH	68	(4' DIA./0' SUMP) RIM = 1002.10 12" S 997.13 12" N 997.13
CB	69	(4' DIA./2' SUMP) RIM = 1005.13 12" S 1000.33 12" N 1000.33

STORM STRUCTURES		
MH	70	(4' DIA./0' SUMP) RIM = 1008.60 12" S 1005.61 12" N 1004.85

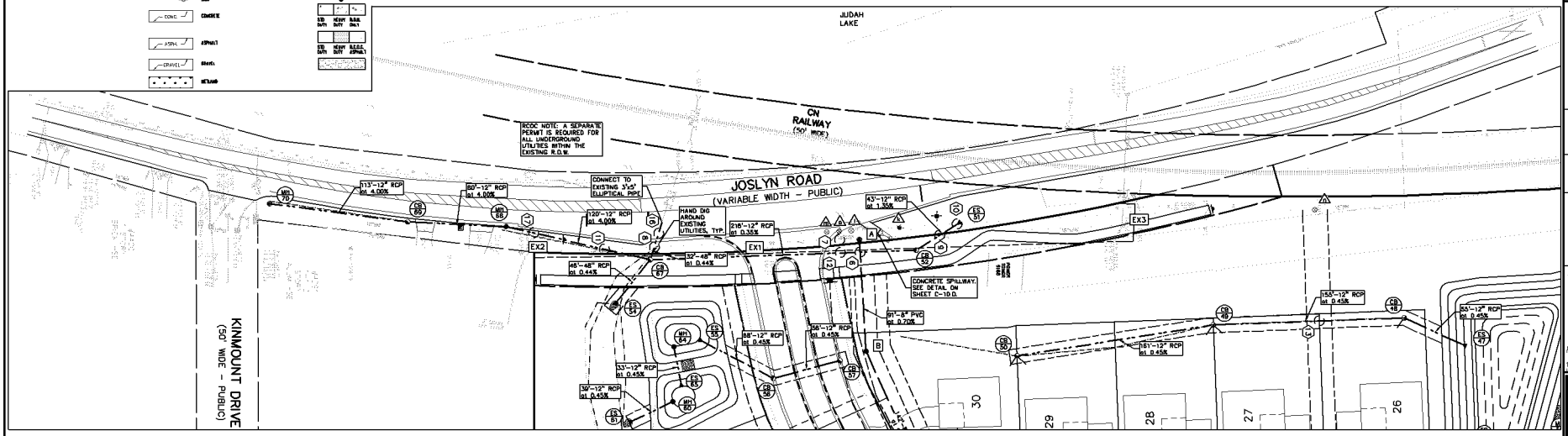
END SECTIONS	
51	END SECTION 12" 993.24
54	END SECTION 48" 990.13

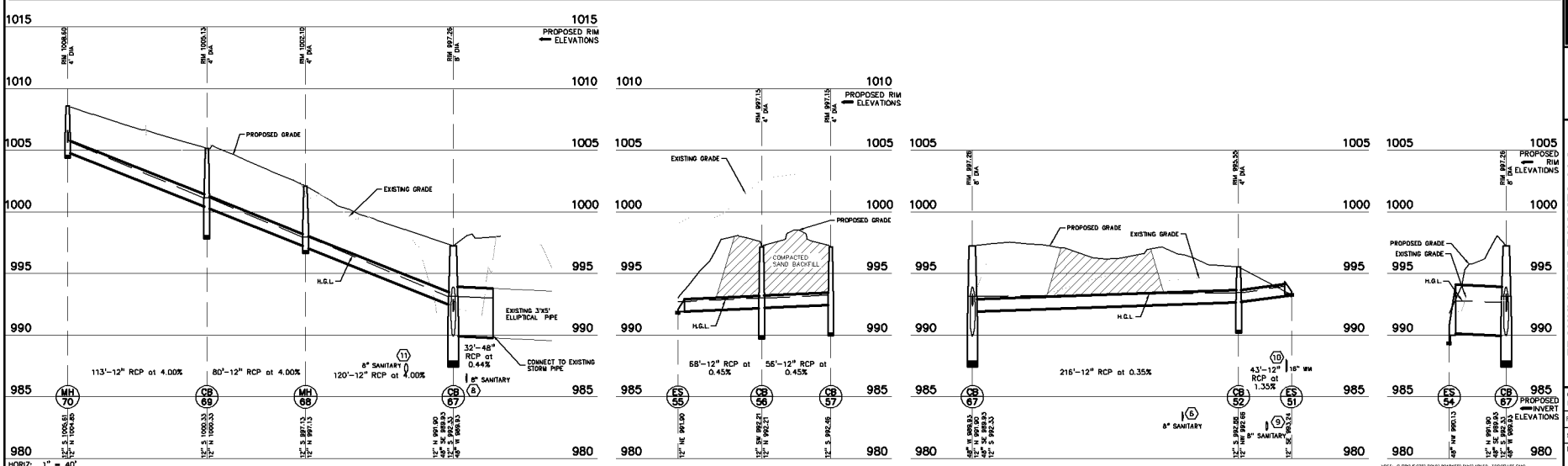
SANITARY STRUCTURES	
A	MH (4' DIA.) RIM = 993.83 8" E 983.00 8" S 982.82 8" N 983.23
EX2	EX (4' DIA.) RIM = 1000.19 8" N 988.34
EX3	EX (4' DIA.) RIM = 994.13 8" S 980.18

WATER MAIN STRUCTURES	
G	GV IN WELL RIM = 993.18
I	GV IN WELL RIM = 996.53
m	GV IN WELL RIM = 996.33
HYDRANTS	
k	HYDRANT ASSEMBLY F.G. = 996.07

GRAPHIC SCALE
-40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

N





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FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

R.O.W. UTILITY PLAN
SILVERBELL POINTE
PART OF THE SE1/4 OF SECTION 25, T.3N., R.9E., ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES.	TMK	DN.	TMK	SUR.	KTR	P.M.	JBT

S:\PROJECTS\2018\2018150\DWG\VIN150-TOPOBASE.DWG
3REF: S:\PROJECTS\2018\2018150\DWG\VINAL PUD\U-BASE-18150DWG
3REF: S:\PROJECTS\2018\2018150\DWG\VINAL PUD\U-TBL-E-18150.DWG

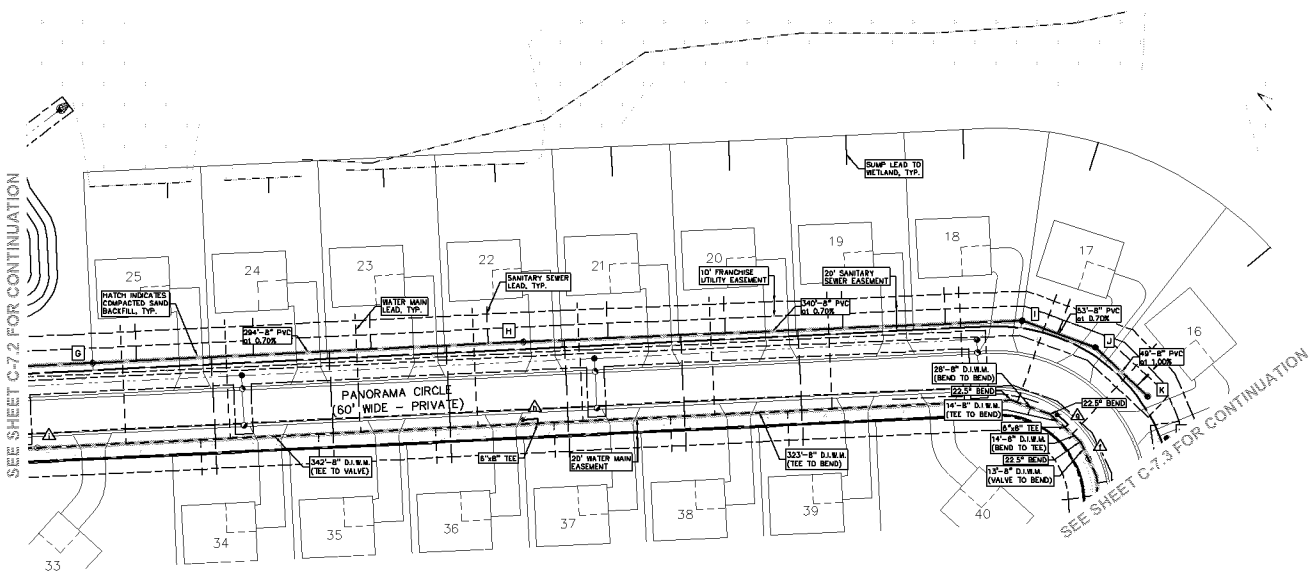
REVISIONS			
NO.	BY	DATE	DESCRIPTION

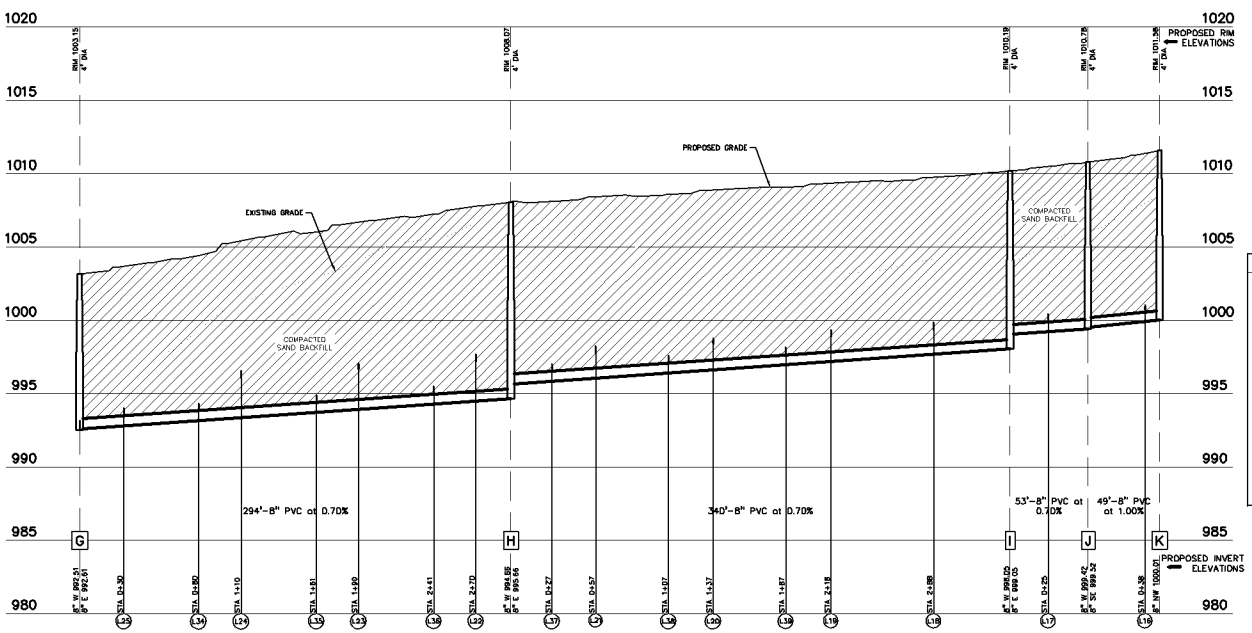
ORIGINAL ISSUE DATE:
MARCH 17, 2020

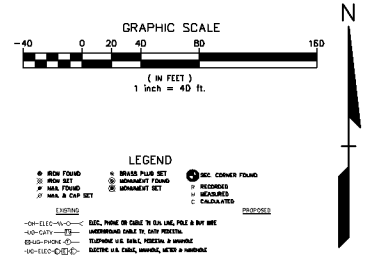
PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-6.1







LEGEND

- IRON FOUND
- IRON SET
- MAG FOUND
- MAG & CAP SET
- BRASS PLUG SET
- MONUMENT FOUND
- MONUMENT SET
- SEC. CORNER FOUND
- P RECORDED
- M MEASURED
- C CALCULATED

EXISTING / PROPOSED

ELEC, PHONE OR CABLE TV BOX, LINE, POLE & GUY WIRE
UNDERGROUND CABLE TV, CATV PEDESTAL
TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
GAS MAIN, VALVE & GAS LINE MARKER
WATERMAIN, HYD., SHUT VALVE, TAPPING SLEEVE & VALVE
SANITARY SEWER, CLEANOUT & MANHOLE
STORM SEWER, DEADWOUT & MANHOLE
COMBINED SEWER & MANHOLE
MANHOLE, BOWLER & BEEHIVE CATCH BASIN, NEW DRAIN
POST INDICATOR VALVE
WATER VALVE, BOW/VERMONT VALVE BOX, REDUCER BUSHOUT
MANLOAD, TRANSFORMER, IRRIGATION CONTROL VALVE
UNIDENTIFIED STRUCTURE
SPOT ELEVATION
CONTOUR LINE
FENCE
GUARD RAIL
STREET LIGHT
SIGN
CONC CONCRETE
ASPH ASPHALT
GRAVEL GRAVEL
WETLAND
STD. SUTH / HEAVY SUTH / B.C.B.S. SUTH / ASPHALT

NOTE:
SEE SHEET C-6.0 FOR UTILITY NOTES.

SAND BACKFILL NOTE:
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SANITARY STRUCTURES	
G	MH (4' DIA.) RIM = 1003.15 8" E 992.61 8" W 992.51
H	MH (4' DIA.) RIM = 1008.07 8" E 995.66 8" W 994.88
I	MH (4' DIA.) RIM = 1010.19 8" E 999.05 8" W 998.05
J	MH (4' DIA.) RIM = 1010.78 8" SE 999.52 8" W 999.42
K	MH (4' DIA.) RIM = 1011.38 8" NW 1000.01

HYDRANTS	
g	HYDRANT ASSEMBLY F.G. = 1010.41
h	HYDRANT ASSEMBLY F.G. = 1007.44
WATER MAIN STRUCTURES	
f	GV IN WELL RIM = 1011.38
i	GV IN WELL RIM = 1002.59

SANITARY SEWER LEADS

Unit #	Sewer Main Invert at lead	Lead Invert at Main (w/o Riser)	Lead Length (LF)	Lead Slope (%)	Lead Dia. (in)	House F.G.	Riser at Main (Ft.)	Stub Invert at Esmt.	Riser at Stub (Ft.)
L16	999.91	1000.57	28	3.68%	6	1012.60		1001.60	
L17	999.23	999.89	25	4.03%	6	1011.90		1000.90	
L18	997.68	998.35	25	3.41%	6	1011.20	1	1000.20	
L19	997.19	997.85	25	3.38%	6	1010.70	1	999.70	
L20	996.63	997.29	25	3.61%	6	1010.20	1	999.20	
L21	996.07	996.73	25	3.84%	6	1009.70	1	998.70	
L22	994.50	995.16	25	4.15%	6	1009.20	2	998.20	
L23	993.94	994.60	25	4.39%	6	1008.70	2	997.70	
L24	993.38	994.04	25	4.63%	6	1008.20	2	997.20	
L25	992.82	993.48	25	3.27%	6	1005.30		994.30	
L34	993.17	993.84	80	2.08%	6	1008.50		995.50	
L35	993.73	994.40	80	3.00%	6	1007.80		996.80	
L36	994.29	994.96	80	3.67%	6	1006.90		997.90	
L37	995.86	996.52	80	2.35%	6	1009.40		998.40	
L38	996.41	997.08	79	2.29%	6	1009.90		998.90	
L39	996.97	997.64	79	2.36%	6	1010.50		999.50	
L40	999.80	1000.47	77	1.60%	6	1012.70		1001.70	

REFS: S:\PROJECTS\2018\2018150\DWG\18150-10PDBA7E.DWG
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REVISIONS			
NO.	BY	CHK	DESCRIPTION	DATE

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SANITARY AND WATER MAIN PLAN - NORTH
SILVERBELL POINTE
LP/M/I UP: HPE-SE-1/4 OF SECTION 25, & NE-1/4 OF SECTION 30, T.4N., R.11E.
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK	DN:	TMK	SUR:	KTR	P.M.	JBT

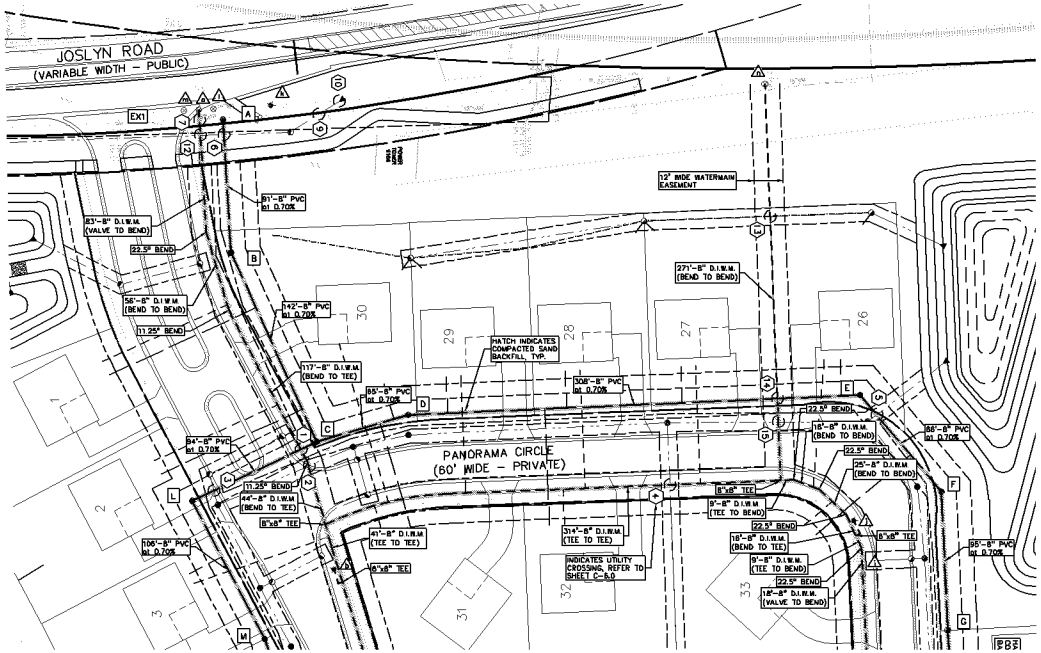
S:\PROJECTS\2018\2018150\SILVERBELL PDP\C-7.0 SANITARY-WATER.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-7.1

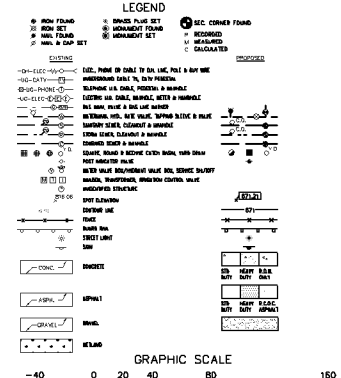


SAND BACKFILL NOTE:
ALL UTILITIES UNDER PAVEMENT OR WITHIN 3' OF THE EDGE OF PAVEMENT (OR WITHIN THE 45° LINE OF INFLUENCE OF PAVEMENT) SHALL HAVE M.D.O.T. CLASS II GRANULAR BACKFILL COMPACTED TO 95% MAX. DRY DENSITY (ASTM D-1557).

NOTE:
SEE SHEET C-6.0 FOR UTILITY NOTES.

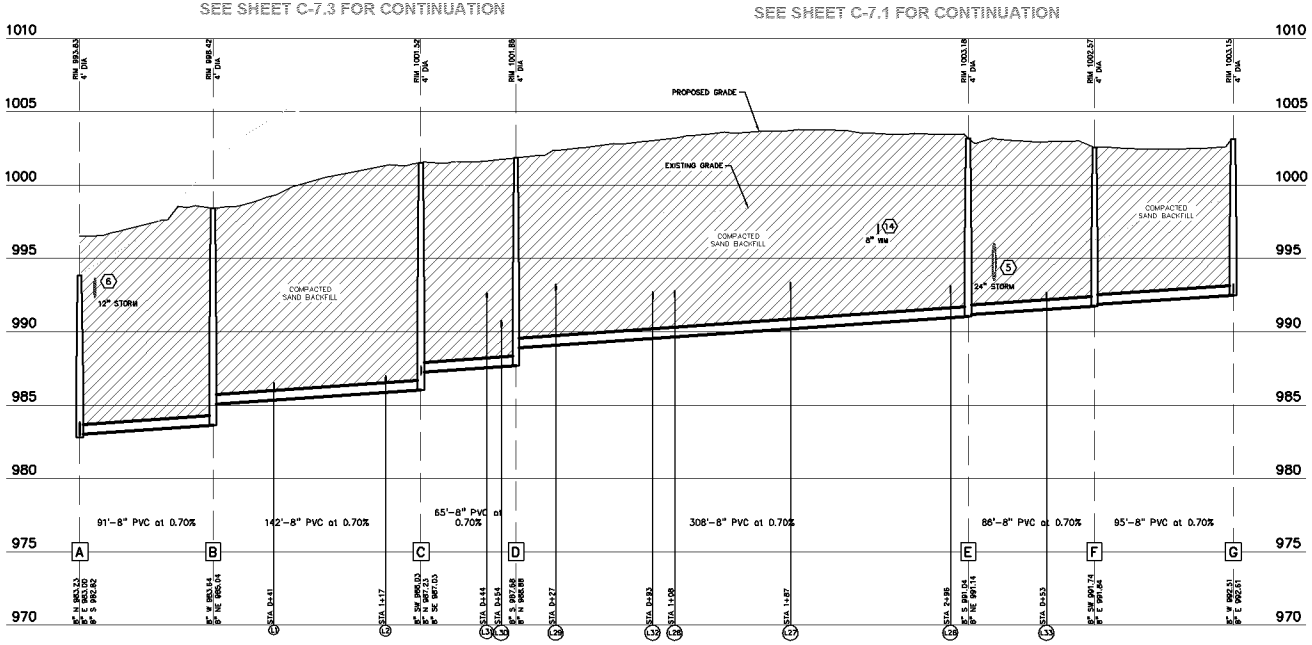
SANITARY STRUCTURES	
A	MH (4' DIA.) RIM = 993.83 8" E 983.00 8" S 982.82 8" N 983.23
B	MH (4' DIA.) RIM = 998.42 8" NE 985.04 8" W 983.84
C	MH (4' DIA.) RIM = 1001.52 8" N 987.23 8" SE 987.03 8" SW 986.03
D	MH (4' DIA.) RIM = 1001.88 8" W 988.88 8" S 987.68
E	MH (4' DIA.) RIM = 1003.18 8" NE 991.14 8" S 991.04
F	MH (4' DIA.) RIM = 1002.57 8" E 991.84 8" SW 991.74
G	MH (4' DIA.) RIM = 1003.15 8" E 992.61 8" W 992.51
L	MH (4' DIA.) RIM = 1001.71 8" NE 988.69 8" NW 987.69
M	MH (4' DIA.) RIM = 1004.45 8" E 990.43 8" SW 989.43

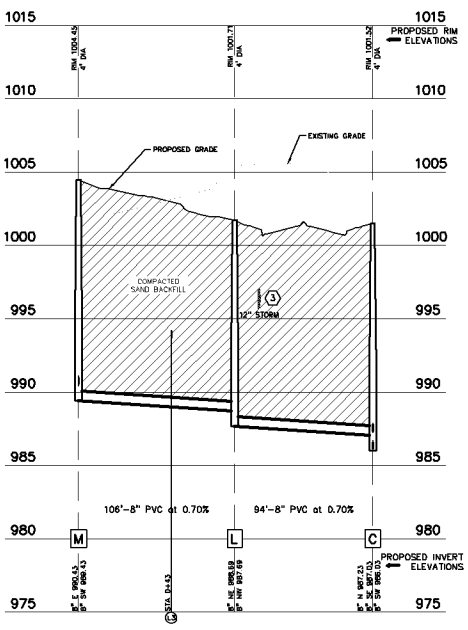
HYDRANTS	
b	HYDRANT ASSEMBLY F.G. = 1002.63
j	HYDRANT ASSEMBLY F.G. = 1002.57
k	HYDRANT ASSEMBLY F.G. = 998.07
WATER MAIN STRUCTURES	
a	GV IN WELL RIM = 993.16
i	GV IN WELL RIM = 1002.59
l	GV IN WELL RIM = 996.53
m	GV IN WELL RIM = 996.33
n	GV IN WELL RIM = 995.01



SANITARY SEWER LEADS

Trial #	Sewer Main Invert at lead	Lead Invert at Main (w/o Riser)	Lead Length (LF)	Lead Slope (%)	Lead Dia. (in)	House F.G.	Riser at Main (Ft.)	Stub Invert at Esmt.	Riser at Stub (Ft.)
L1	985.33	985.99	110	3.55%	6	1000.90		989.90	
L2	985.86	986.53	106	5.56%	6	1003.40		992.40	
L3	988.99	989.66	25	2.57%	6	1005.30	4	994.30	
L26	990.95	991.62	25	3.91%	6	1004.60	1	993.60	
L27	990.19	990.86	25	2.96%	6	1004.60	2	993.60	
L28	989.64	990.31	25	5.55%	6	1004.70	2	993.70	
L29	989.07	989.74	25	3.44%	6	1004.60	3	993.60	
L30	987.61	988.28	25	4.07%	6	1002.30	2	991.30	
L31	987.54	988.21	78	3.33%	6	1005.80	4	994.80	
L32	989.53	990.20	79	2.27%	6	1005.00	2	994.00	
L33	991.51	992.18	85	2.03%	6	1004.90		993.60	





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3REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBLK-18150.DWG

DATE	DSN. BY	CHKD.	DESCRIPTION
			REVISIONS

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FRANKLIN RIDGE HOMES, LLC
30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

SANITARY AND WATER MAIN PLAN - WEST
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T2N, R9E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES.	DN.	CHK.	SUR.	P.M.
TMK	TMK	TMK	KTR	JBT

S:\PROJECTS\2018\2018150\DWG\VB150-10PDBATE.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

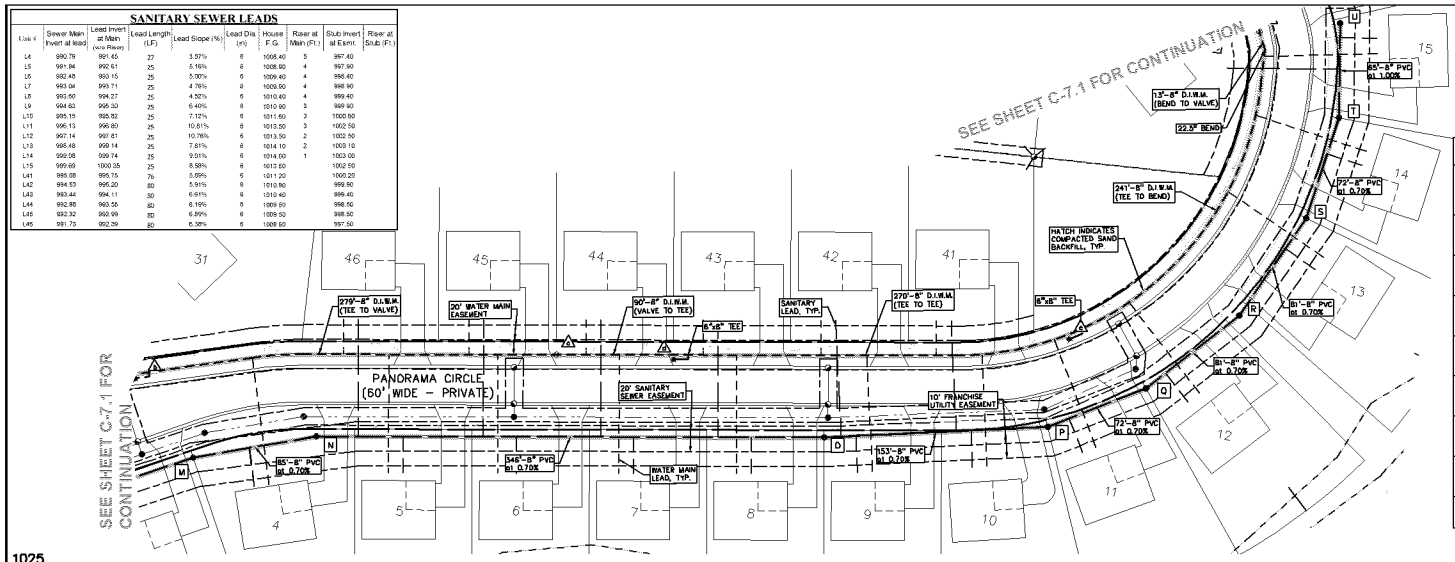
PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-7.2

SANITARY SEWER LEADS

Lead #	Sewer Main Invert at lead	Lead Invert at Main (w/o Riser)	Lead Length (LF)	Lead Slope (%)	Lead Dia (in)	House F.G.	Riser at Main (Ft.)	Stub Invert at Elsmt.	Riser at Stub (Ft.)
L4	990.79	991.45	27	3.57%	6	1008.40	5	997.40	
L5	991.94	992.61	25	5.16%	6	1008.90	4	997.90	
L6	992.45	993.15	25	5.00%	6	1009.40	4	998.40	
L7	993.04	993.71	25	4.76%	6	1009.90	4	998.90	
L8	993.60	994.27	25	4.52%	6	1010.40	4	999.40	
L9	994.63	995.30	25	6.40%	6	1010.90	3	999.90	
L10	995.15	995.82	25	7.12%	6	1011.50	3	1000.50	
L11	996.13	996.80	25	10.81%	6	1013.50	3	1002.50	
L12	997.14	997.81	25	10.76%	6	1013.50	2	1002.50	
L13	998.48	999.14	25	7.81%	6	1014.10	2	1003.10	
L14	999.08	999.74	25	9.01%	6	1014.00	1	1003.00	
L15	999.69	1000.35	25	8.58%	6	1013.60		1002.60	
L41	995.08	995.75	76	5.99%	6	1011.20		1000.20	
L42	994.53	995.20	80	5.91%	6	1010.90		999.90	
L43	993.44	994.11	80	6.61%	6	1010.40		999.40	
L44	992.88	993.55	80	6.19%	6	1009.90		998.90	
L45	992.32	992.99	80	6.39%	6	1009.50		998.50	
L46	991.73	992.39	80	6.38%	6	1008.90		997.90	



GRAPHIC SCALE

-40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

N

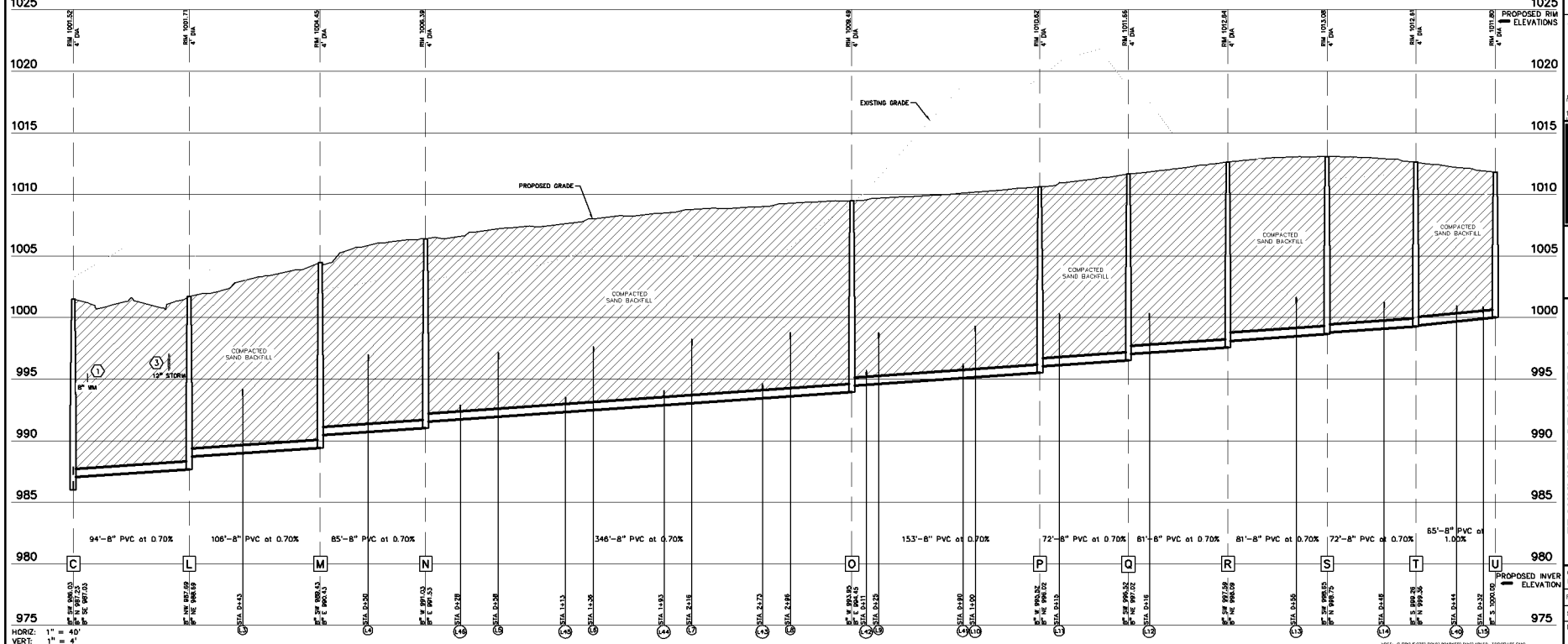
SANITARY STRUCTURES	
M	MH (4' DIA.) RIM = 1004.45 8" E 990.43 8" SW 989.43
N	MH (4' DIA.) RIM = 1006.39 8" E 991.53 8" W 991.03
O	MH (4' DIA.) RIM = 1005.49 8" E 994.45 8" W 993.95
P	MH (4' DIA.) RIM = 1010.62 8" NE 996.02 8" W 995.52
Q	MH (4' DIA.) RIM = 1011.66 8" NE 997.02 8" SW 996.52
R	MH (4' DIA.) RIM = 1012.64 8" NE 998.09 8" SW 997.59
S	MH (4' DIA.) RIM = 1013.08 8" N 998.75 8" SW 998.65
T	MH (4' DIA.) RIM = 1012.61 8" N 999.36 8" S 999.26
U	MH (4' DIA.) RIM = 1011.80 8" S 1000.00

HYDRANTS	
b	HYDRANT ASSEMBLY F.G. = 1002.63
d	HYDRANT ASSEMBLY F.G. = 1006.39
e	HYDRANT ASSEMBLY F.G. = 1010.60
WATER MAIN STRUCTURES	
c	GV IN WELL RIM = 1007.88

NOTE:

SEE SHEET C-6.0 FOR UTILITY NOTES

SAND BACKFILL NOTE:
ALL UTILITIES UNDER PAVEMENT OR WITHIN 3' OF THE EDGE OF PAVEMENT (OR WITHIN THE 45° LINE OF INFLUENCE OF PAVEMENT) SHALL HAVE M.D.O.T. CLASS II GRANULAR BACKFILL COMPACTED TO 95% MAX. DRY DENSITY (ASTM D-1557).



NO.	BY	DATE	REVISIONS

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30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

SANITARY AND WATER MAIN PLAN - SOUTH
SILVERBELL POINTE
LAKE UP: LITE: SECTION 25, ATTE: 18, SECTION 25, LUMN, KITE:
ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR:	P.M.	JBT

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-7.3

LEGEND

EXISTING	PROPOSED
IRON FOUND	BRASS PLUG SET
IRON SET	MONUMENT FOUND
NAIL FOUND	MONUMENT SET
NAIL & CAP SET	SEC. CORNER FOUND
	R RECORDED
	M MEASURED
	C CALCULATED
OH-ELEC	ELEC., PHONE OR CABLE TV DIA. LINE, POLE & GUY WIRE
UG-DATA	UNDERGROUND DATA TV, CATV, MODEM
UG-PHONE	TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
UG-ELEC	ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
GAS	GAS MAIN, VALVE & GAS LINE MARKER
WATER	WATERMAIN, HYD., BOXES, VALVE, TAPPING SLEEVE & VALVE
SANITARY SEWER	SANITARY SEWER, CLEANOUT & MANHOLE
STORM SEWER	STORM SEWER, CLEANOUT & MANHOLE
CURB & GUTTER	CURBED BLACK & MARKING
	SIGNAGE, ROUND & BLOCKING CATCH BASIN, YARD DRAIN
	POST INDICATOR VALVE
	WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
	MARKER, TRANSFORMER, IRRIGATION CONTROL VALVE
	UNDEFINED STRUCTURE
898.06	SPOT ELEVATION
	CONTOUR LINE
	FENCE
	GUARD RAIL
	STREET LIGHT
	SIGN
CONC	CONCRETE
ASPH.	ASPHALT
GRAVEL	GRAVEL
	WETLAND

STORM STRUCTURES			STORM STRUCTURES			STORM STRUCTURES			STORM STRUCTURES		
MH	2	(4' DIA./0' SUMP) Rim = 1003.01 24" S 993.87 15" NE 994.37 24" NW 993.77	MH	20	(4' DIA./0' SUMP) Rim = 1007.86 12" E 1003.26 12" S 1002.06 15" W 1001.86	CB	31	(4' DIA./2' SUMP) Rim = 1007.42 12" S 1002.10 12" N 1002.10	CB	35	(4' DIA./2' SUMP) Rim = 1002.05 12" S 996.18 12" N 996.18
MH	17	(4' DIA./0' SUMP) Rim = 1002.71 15" E 995.21 15" SW 995.21	MH	21	(4' DIA./0' SUMP) Rim = 1009.56 12" S 1004.54 12" W 1004.44	CB	32	(4' DIA./2' SUMP) Rim = 1007.42 12" N 1002.22	CB	36	(4' DIA./2' SUMP) Rim = 1002.05 12" N 996.30
MH	18	(4' DIA./0' SUMP) Rim = 1002.59 15" E 995.94 12" S 996.14 15" W 995.94	CB	22	(4' DIA./2' SUMP) Rim = 1009.02 12" S 1004.58 12" N 1004.58	CB	33	(4' DIA./2' SUMP) Rim = 1004.03 12" S 998.30 12" N 998.30			
MH	19	(4' DIA./0' SUMP) Rim = 1004.57 15" E 999.46 12" S 998.26 15" W 998.06	CB	23	(4' DIA./2' SUMP) Rim = 1009.02 12" N 1004.69	CB	34	(4' DIA./2' SUMP) Rim = 1004.04 12" N 998.41			

GRAPHIC SCALE

-40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

N

NOTE:
SEE SHEET C-8.0 FOR UTILITY NOTES AND QUANTITIES.

STORM SEWER FRAME & COVER NOTES

CATCH BASIN/INLET WITHIN CURB
USE MDOT TYPE 'C' COVER WITH MDOT 'K' FRAME

CATCH BASIN/INLET WITHIN GRASS AREAS
USE E.J.I.W. #1040 WITH TYPE 'D2' BEEHIVE COVER

MANHOLE
USE MDOT TYPE 'B' COVER

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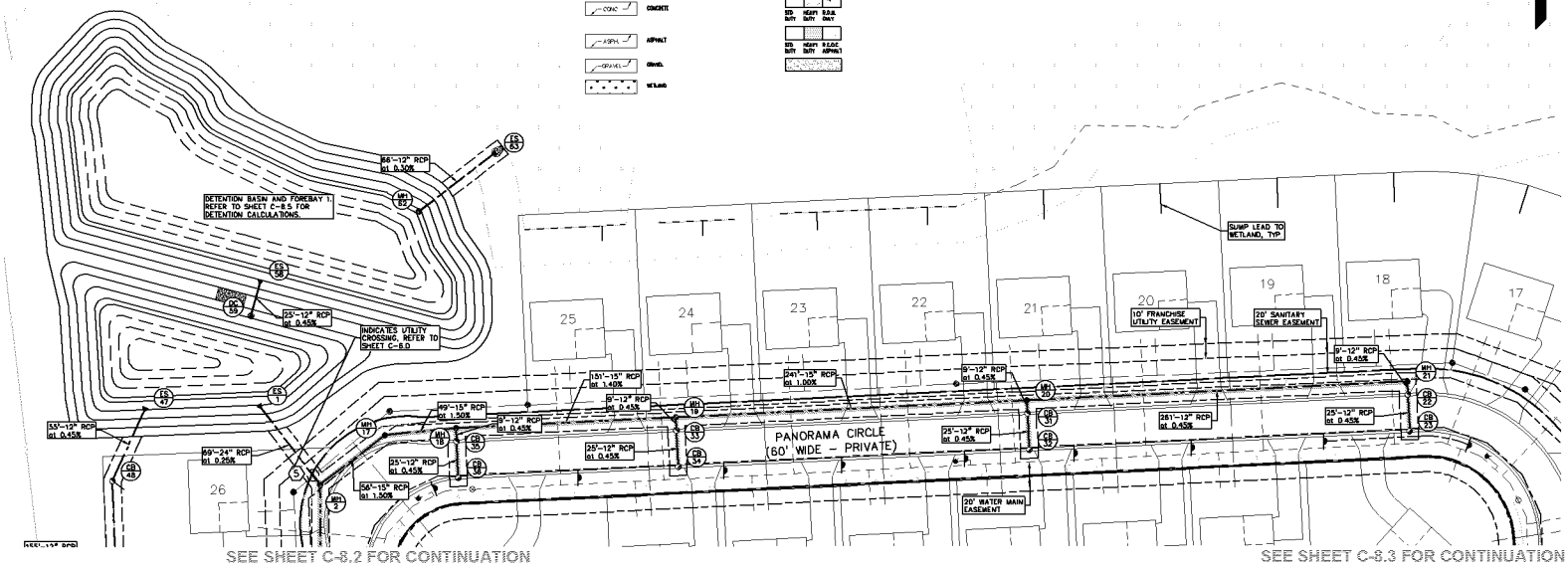

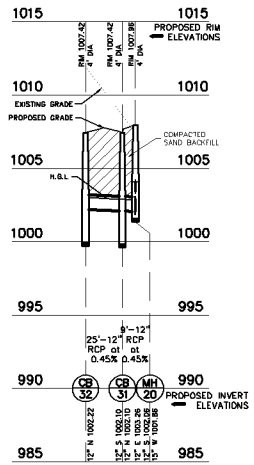

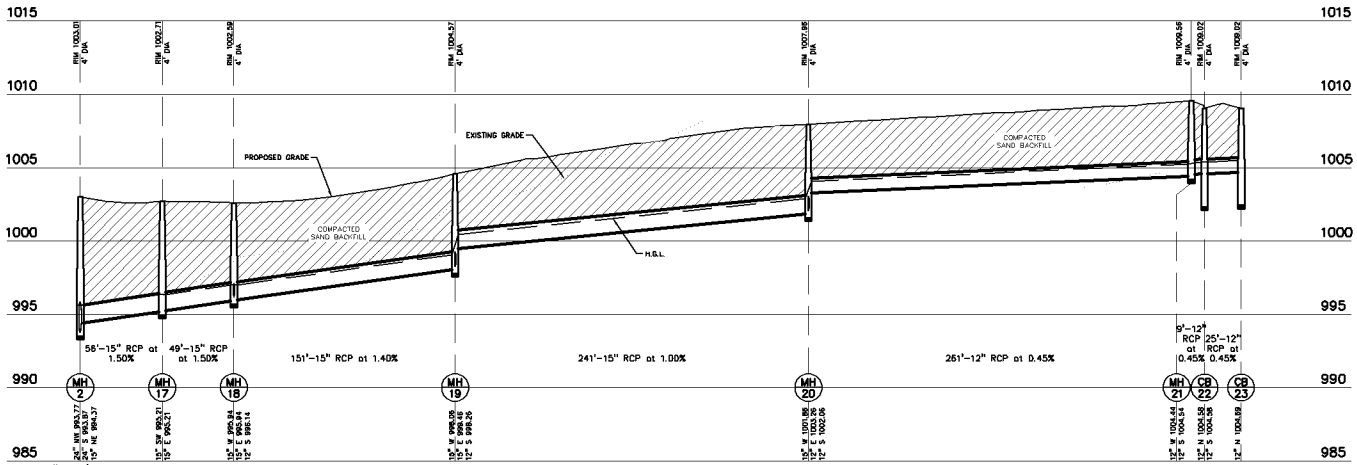

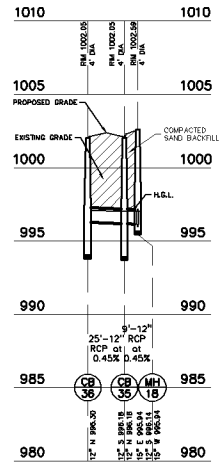

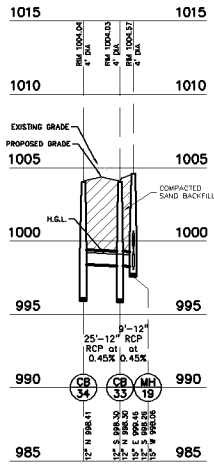

HORIZ: 1" = 40'
VERT: 1" = 4'

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30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

STORM SEWER PLAN - NORTH
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T.3N., R.9E., ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

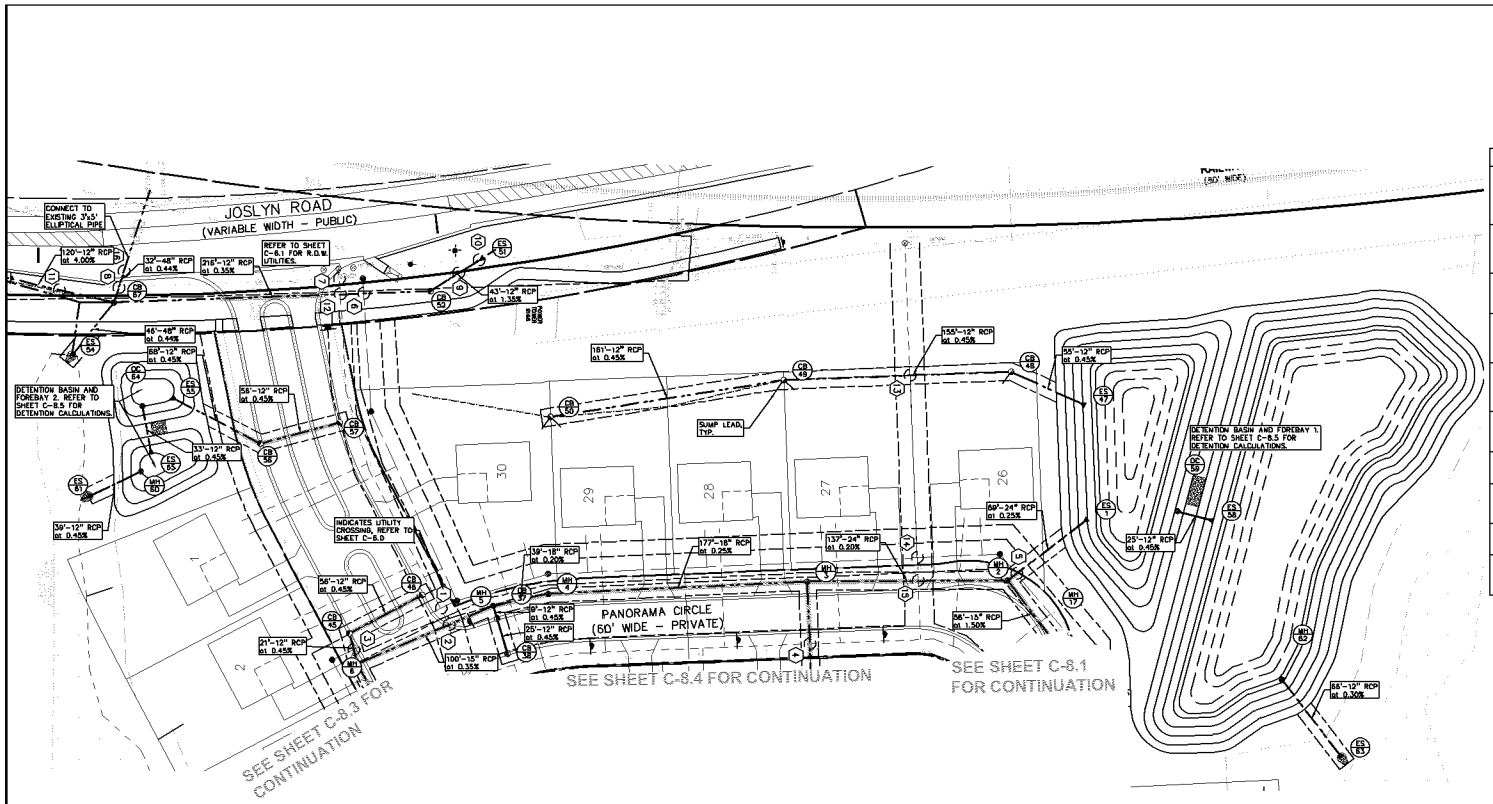
DES.	TMK	DN.	TMK	SUR.	KTR	P.M.	JBT

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-8.1



GRAPHIC SCALE

-40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

STORM STRUCTURES		
MH	2	(4' DIA./0' SUMP) RIM = 1003.01 24" S 993.87 15" NE 994.37 24" NW 993.77
MH	3	(4' DIA./0' SUMP) RIM = 1003.42 12" E 994.95 18" S 994.55 24" N 994.15
MH	4	(4' DIA./0' SUMP) RIM = 1001.60 18" S 994.99 18" N 994.89
MH	5	(4' DIA./0' SUMP) RIM = 1001.33 15" SE 995.28 12" E 995.48 18" N 995.06
MH	6	(4' DIA./0' SUMP) RIM = 1001.37 12" NE 995.82 12" W 995.82 15" NW 995.82
CB	37	(4' DIA./2' SUMP) RIM = 1000.83 12" E 995.50 12" W 995.50
CB	38	(4' DIA./2' SUMP) RIM = 1000.79 12" W 995.62
CB	45	(4' DIA./2' SUMP) RIM = 1000.36 12" NW 995.91 12" E 995.91
CB	46	(4' DIA./2' SUMP) RIM = 1000.36 12" SE 996.16
CB	48	(4' DIA./2' SUMP) RIM = 998.20 12" S 993.85 12" NE 993.85

STORM STRUCTURES		
CB	49	(4' DIA./2' SUMP) RIM = 998.10 12" S 994.55 12" N 994.55
CB	50	(4' DIA./2' SUMP) RIM = 998.44 12" N 995.27
CB	52	(4' DIA./2' SUMP) RIM = 995.55 12" NW 992.66 12" S 992.66
CB	56	(4' DIA./2' SUMP) RIM = 997.15 12" N 992.21 12" SW 992.21
CB	57	(4' DIA./2' SUMP) RIM = 997.15 12" S 992.46
MH	59	(4' DIA./0' SUMP) RIM = 996.28 12" N 993.71
MH	60	(4' DIA./0' SUMP) RIM = 993.54 12" SE 992.38
MH	62	(4' DIA./0' SUMP) RIM = 994.57 12" NE 993.40
MH	64	(4' DIA./0' SUMP) RIM = 993.72 12" E 992.55

END SECTIONS	
1	END SECTION 24" 993.60
47	END SECTION 12" 993.60
51	END SECTION 12" 993.24
54	END SECTION 48" 990.13
55	END SECTION 12" 991.90
58	END SECTION 12" 993.80
61	END SECTION 12" 992.20
63	END SECTION 12" 993.20
65	END SECTION 12" 992.40
66	END SECTION 48" 989.58

NOTE:
SEE SHEET C-8.0 FOR UTILITY NOTES AND QUANTITIES.

STORM SEWER FRAME & COVER NOTES

CATCH BASIN/INLET WITHIN CURB
USE MDOT TYPE 'C' COVER WITH MDOT 'K' FRAME

CATCH BASIN/INLET WITHIN GRASS AREAS
USE E.J.I.W. #1040 WITH TYPE 'D2' BEEHIVE COVER

MANHOLE
USE MDOT TYPE 'B' COVER

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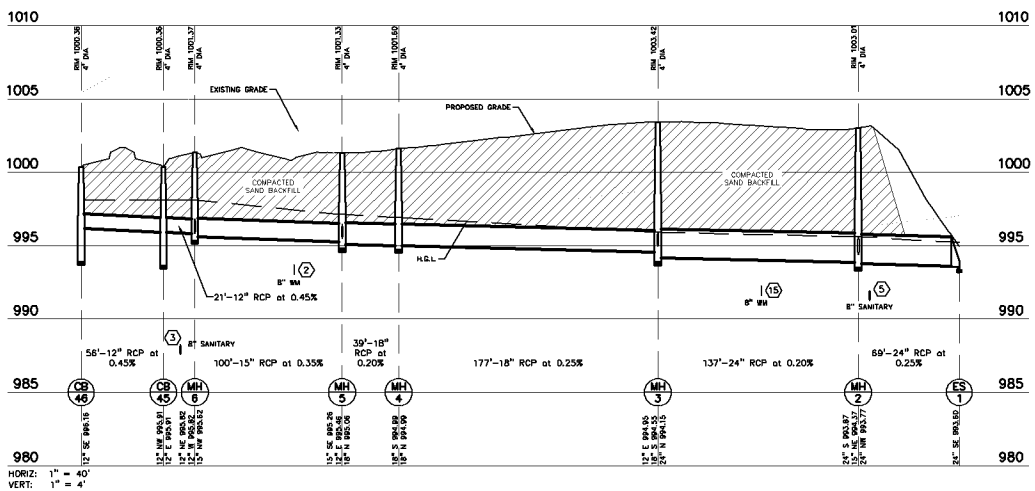

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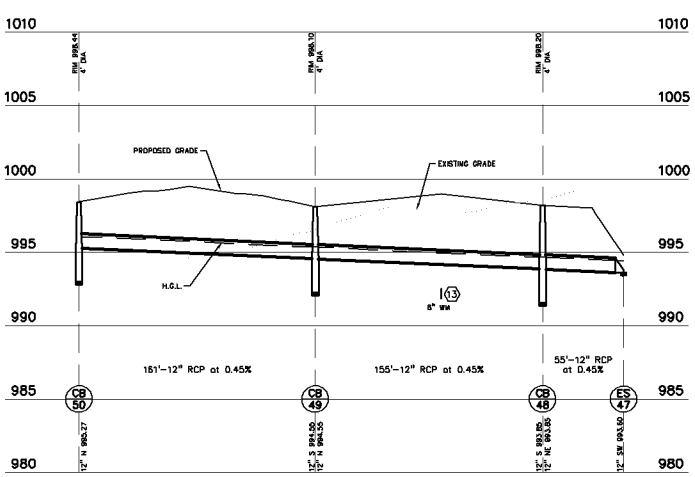

3REF: S:\PROJECTS\2018\2018150\DWG\VB150-10PDBASE.DWG
3REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150D.DWG
3REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBL-18150.DWG

REVISIONS

NO.	BY	DATE	DESCRIPTION

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STORM SEWER PLAN - WEST
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T3N, R9E, ORION TOWN, OAKLAND COUNTY, MICHIGAN

DES.	TMK	DN.	TMK	SUR.	KTR	P.M.	JBT

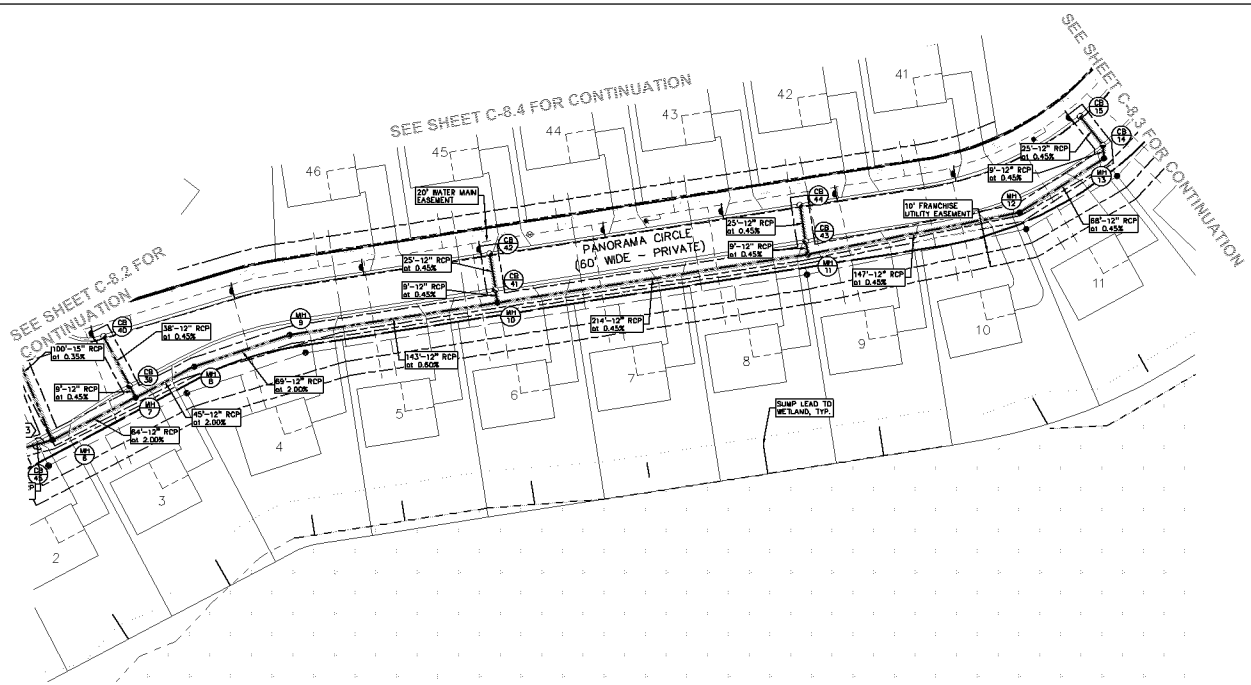
S:\PROJECTS\2018\2018150 SILVERBELL POINTE CONDO - BY LANDMARK\DWG\VB150-18150.dwg

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-8.2



GRAPHIC SCALE

−40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

N

STORM STRUCTURES		
MH	6	(4' DIA./0' SUMP) RIM = 1001.37 12" NE 995.82 12" W 995.82 15" NW 995.62
MH	7	(4' DIA./0' SUMP) RIM = 1003.11 12" NE 997.09 12" NW 997.89 12" SW 997.09
MH	8	(4' DIA./0' SUMP) RIM = 1004.13 12" E 997.99 12" SW 997.99
MH	9	(4' DIA./0' SUMP) RIM = 1005.66 12" E 1000.76 12" W 999.36
MH	10	(4' DIA./0' SUMP) RIM = 1007.57 12" E 1003.02 12" N 1001.72 12" W 1001.62
MH	11	(4' DIA./0' SUMP) RIM = 1009.18 12" E 1004.99 12" N 1004.09 12" W 1003.99
MH	12	(4' DIA./0' SUMP) RIM = 1010.40 12" NE 1006.05 12" W 1005.85
MH	13	(4' DIA./0' SUMP) RIM = 1011.20 12" N 1008.45 12" SW 1008.38
CB	14	(4' DIA./2' SUMP) RIM = 1010.80 12" NW 1008.50 12" S 1006.50

STORM STRUCTURES		
CB	15	(4' DIA./2' SUMP) RIM = 1010.81 12" SE 1006.61
CB	39	(4' DIA./2' SUMP) RIM = 1002.70 12" NW 997.93 12" SE 997.93
CB	40	(4' DIA./2' SUMP) RIM = 1002.33 12" SE 998.10
CB	41	(4' DIA./2' SUMP) RIM = 1007.03 12" W 1001.76 12" S 1001.76
CB	42	(4' DIA./2' SUMP) RIM = 1007.03 12" S 1001.87
CB	43	(4' DIA./2' SUMP) RIM = 1008.89 12" W 1004.13 12" S 1004.13
CB	44	(4' DIA./2' SUMP) RIM = 1008.89 12" S 1004.24

NOTE:
SEE SHEET C-6.0 FOR UTILITY NOTES FOR QUANTITIES.

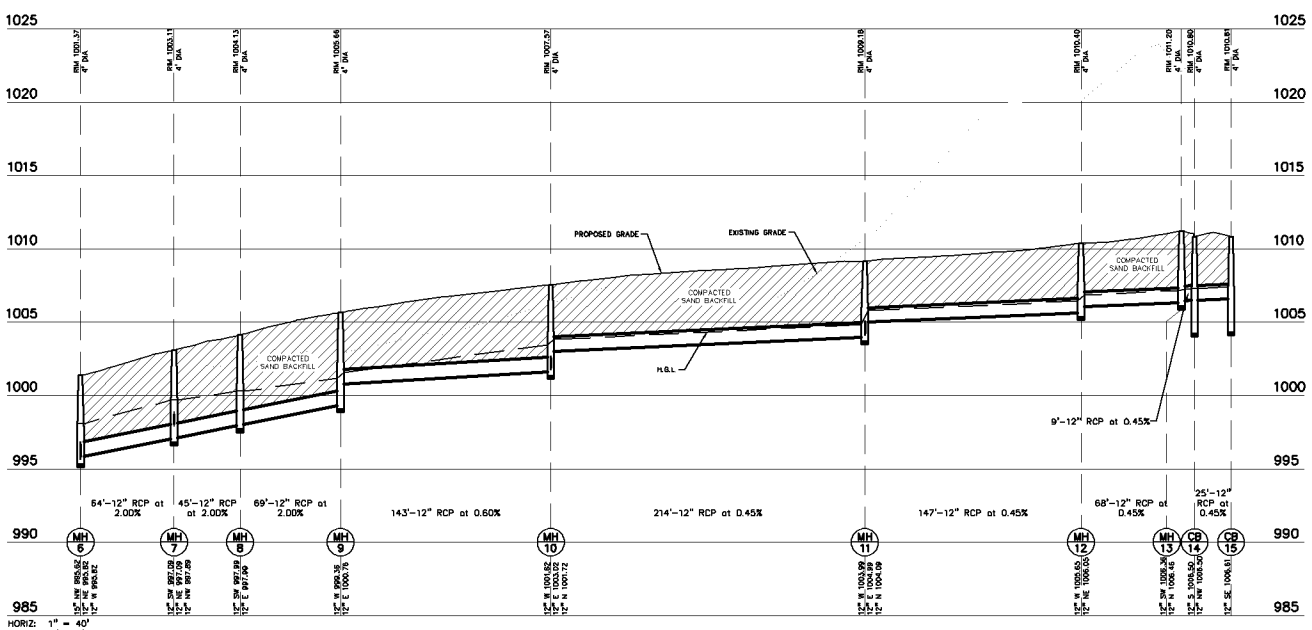
STORM SEWER FRAME & COVER NOTES

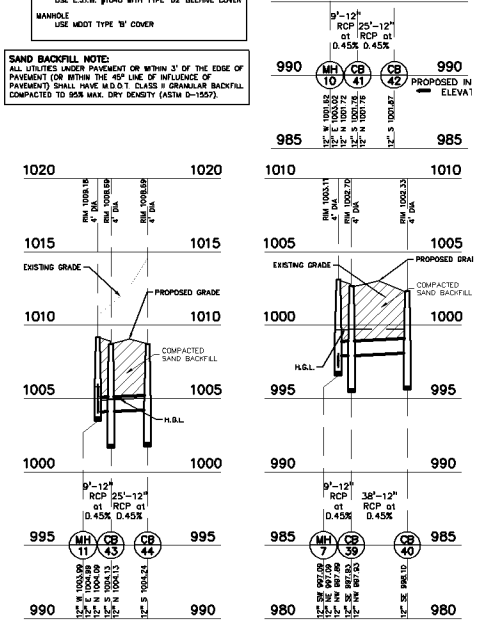
CATCH BASIN/INLET WITHIN CURB
USE MDOT TYPE 'C' COVER WITH MDOT 'K' FRAME

CATCH BASIN/INLET WITHIN GRASS AREAS
USE E.J.I.W. #1040 WITH TYPE '002' BEEHIVE COVER

MANHOLE
USE MDOT TYPE 'B' COVER

SAND BACKFILL NOTE:
ALL UTILITIES UNDER PAVEMENT OR WITHIN 3' OF THE EDGE OF PAVEMENT (OR WITHIN THE 45° LINE OF INFLUENCE OF PAVEMENT) SHALL HAVE M.D.O.T. CLASS II GRANULAR BACKFILL COMPACTED TO 95% MAX. DRY DENSITY (ASTM D-1557).





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REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBL-18150.DWG

REVISIONS			
NO.	BY	DESCRIPTION	DATE

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STORM SEWER PLAN - SOUTH
SILVERBELL POINTE
PART OF THE SE1/4 OF SECTION 25, T.2N., R.9E., ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	DN:	CHK:	SUR:	PM:
TMK	TMK	TMK	KTR	JBT

P:\PROJECTS\2018\2018150 SILVERBELL PDP\C-08.3 STORM-18150.dwg

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-8.3

NOTE:
SEE SHEET C-8.0 FOR UTILITY NOTES FOR QUANTITIES.

STORM SEWER FRAME & COVER NOTES

CATCH BASIN/INLET WITHIN CURB
USE MDOT TYPE 'C' COVER WITH MDOT 'K' FRAME

CATCH BASIN/INLET WITHIN GRASS AREAS
USE E.J.I.W. #1040 WITH TYPE '02' BEEHIVE COVER

MANHOLE
USE MDOT TYPE 'B' COVER

SAND BACKFILL NOTE:
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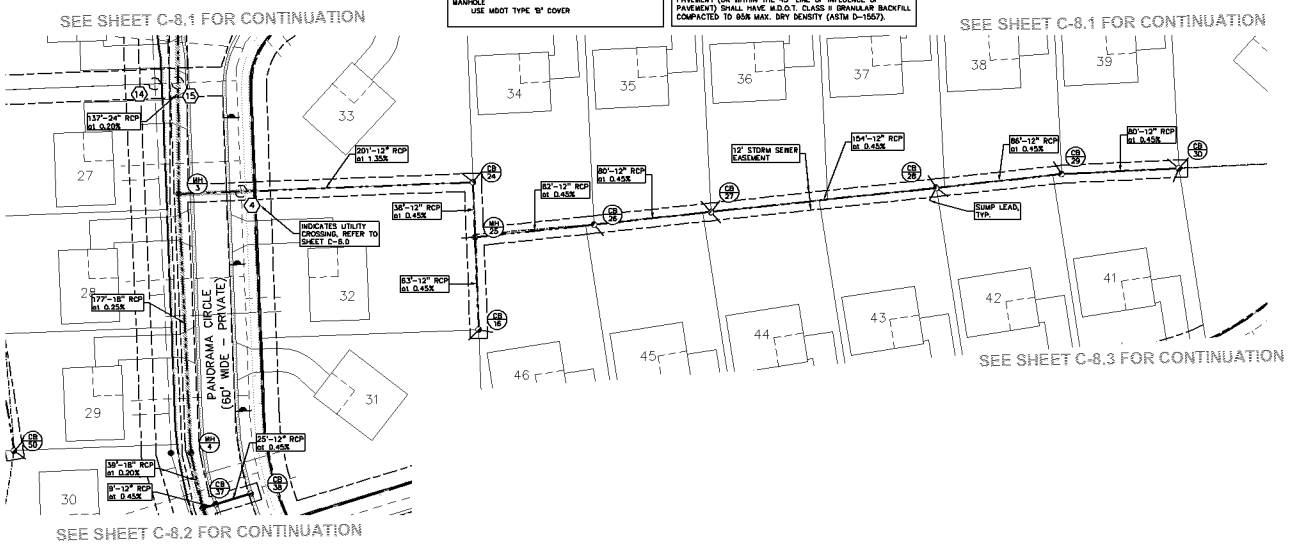
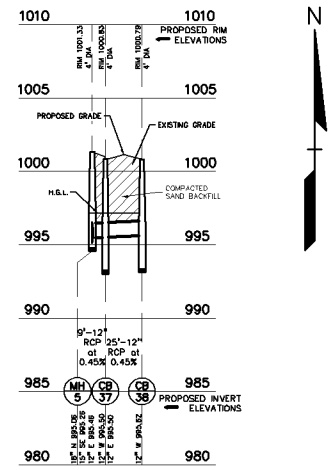
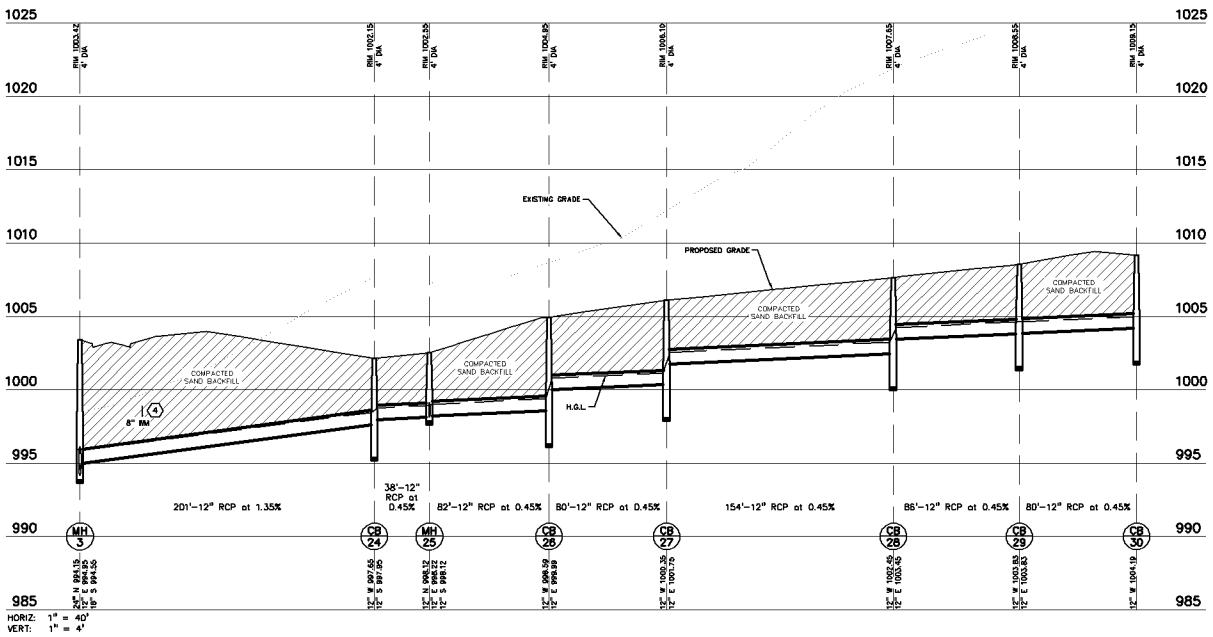
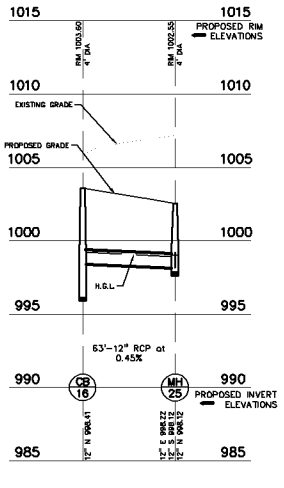


GRAPHIC SCALE
-40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.







HORIZ: 1" = 40'
VERT: 1" = 4'

STORM STRUCTURES		
MH	3	(4' DIA./0' SUMP) RIM = 1003.42 12" E 994.95 18" S 994.55 24" W 994.15
MH	5	(4' DIA./0' SUMP) RIM = 1001.53 15" SE 995.26 12" E 995.46 18" N 995.05
CB	16	(4' DIA./2' SUMP) RIM = 1003.60 12" N 998.41
CB	24	(4' DIA./2' SUMP) RIM = 1002.15 12" S 997.95 12" W 997.65
MH	25	(4' DIA./0' SUMP) RIM = 1002.55 12" E 998.22 12" S 998.12 12" N 998.12
CB	26	(4' DIA./2' SUMP) RIM = 1004.95 12" E 999.89 12" W 999.59
CB	27	(4' DIA./2' SUMP) RIM = 1006.10 12" E 1001.75 12" W 1000.35
CB	28	(4' DIA./2' SUMP) RIM = 1007.65 12" E 1003.45 12" W 1002.45
CB	29	(4' DIA./2' SUMP) RIM = 1008.55 12" E 1003.83 12" W 1003.83
CB	30	(4' DIA./2' SUMP) RIM = 1009.15 12" W 1004.19
CB	37	(4' DIA./2' SUMP) RIM = 1000.83 12" E 995.50 12" W 995.50
CB	38	(4' DIA./2' SUMP) RIM = 1000.79 12" W 995.82

REVISIONS

NO.	BY	DSCR	DATE

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STORM SEWER PLAN - CENTER
SILVERBELL POINTE
PART OF THE SE1/4 OF SECTION 25, T.3N., R.9E., ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBT

P:\PROJECTS\2018\2018150\DWG\18150-10PDBASE.DWG

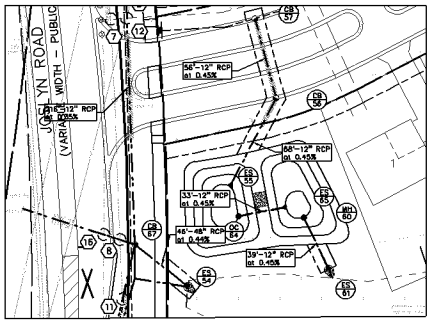
ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 40'

DRAWING NUMBER:
C-8.4

XREF: S:\PROJECTS\2018\2018150\DWG\18150-10PDBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TB-18150.DWG


JOSLYN ROAD
(VARIABLE WIDTH – PUBLIC)
58"-12" RCP at 0.45%
48"-12" RCP at 0.45%
33"-12" RCP at 0.45%
48"-48" RCP at 0.45%
39"-12" RCP at 0.45%
58"-12" RCP at 0.45%
OC 59
OC 64
CB 55
CB 56
CB 57
CB 58
CB 54
CB 61
CB 60
CB 87
CB 84
CB 53
CB 52
CB 51
CB 37
CB 38
CB 39
CB 40
CB 41
CB 42
CB 43
CB 44
CB 45
CB 46
CB 47
CB 48
MH 17
MH 18
MH 19
MH 20
MH 21
MH 22
MH 23
MH 24
MH 25
MH 26
MH 27
MH 28
MH 29
MH 30
MH 31
MH 32
MH 33
MH 34
MH 35
MH 36
MH

REFER TO SHEET C-8.5 FOR DETENTION CALCULATIONS.

GRAPHIC SCALE

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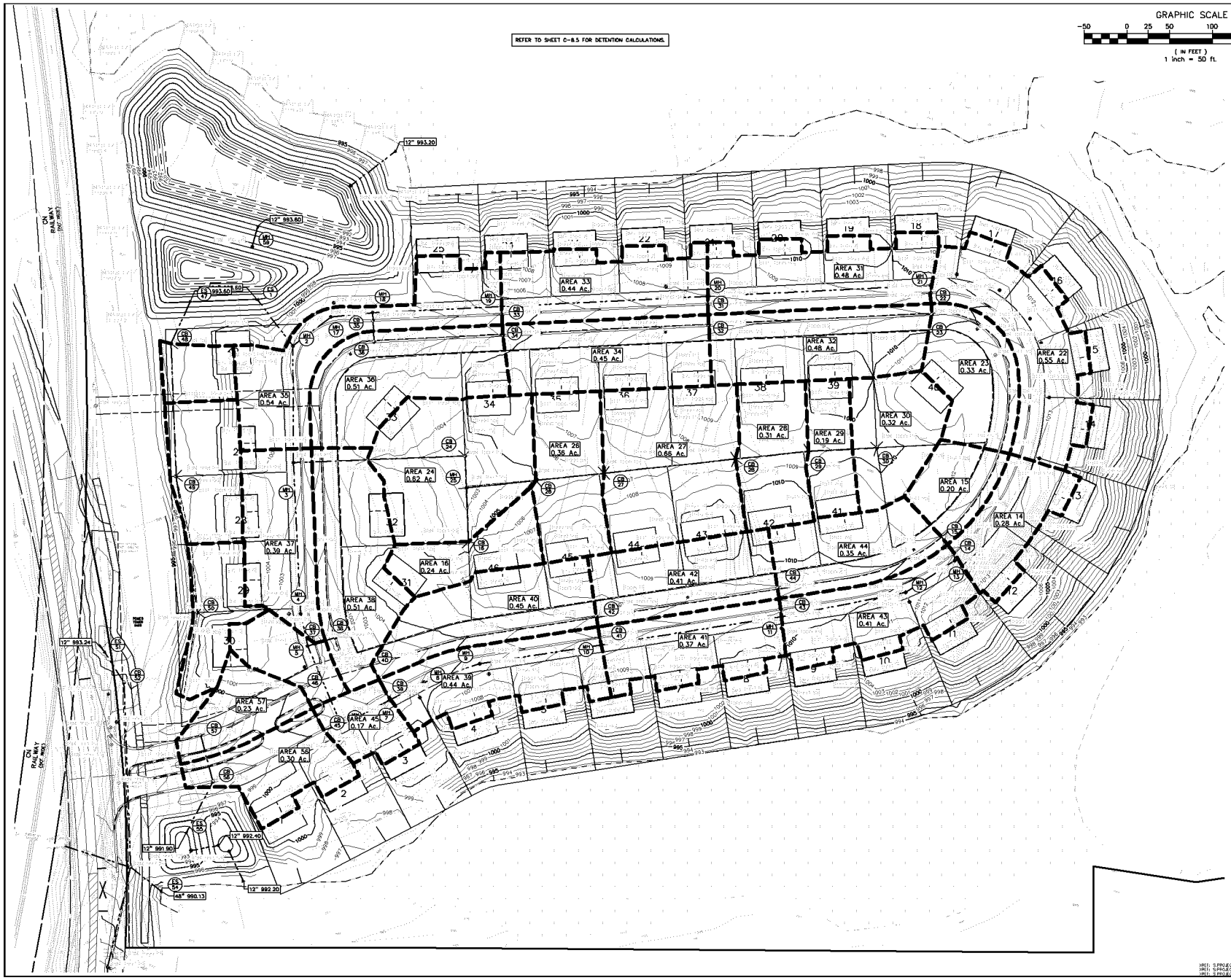
(IN FEET)
1 inch = 50 ft.

N



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3REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
3REF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBL-18150.DWG

NO.	BY	DATE	DESCRIPTION	DATE
			REVISIONS	

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DRAINAGE AREA PLAN
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 25, T3N, R9E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR	P.M.	JBF

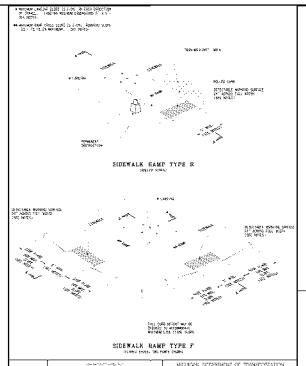
S:\PROJECTS\2018\2018150\SILVERBELL POINTE CONDO - 2018\CAD\FINAL PUD\C-9.0 DRAIN - 18150.DWG

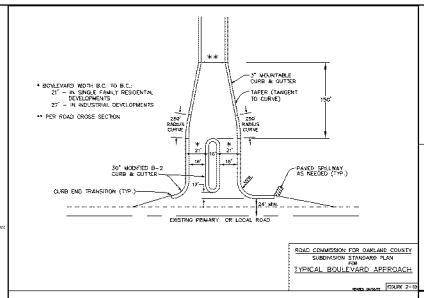
ORIGINAL ISSUE DATE:
MARCH 17, 2020

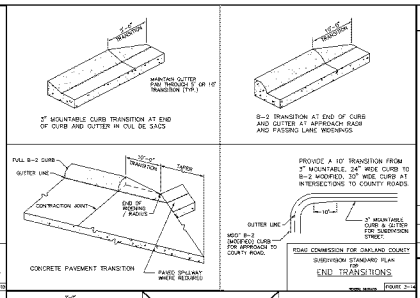
PEA JOB NO. 2018-150

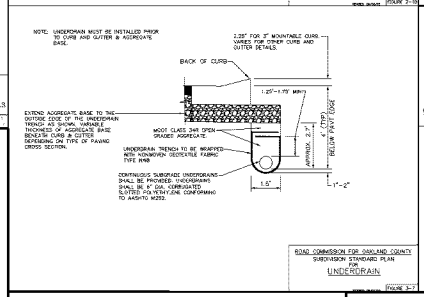
SCALE: 1" = 50'

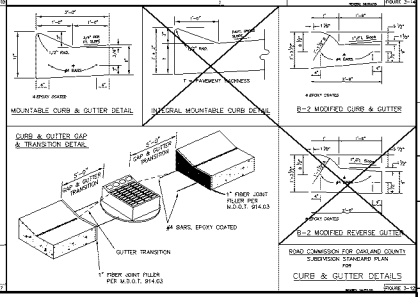
DRAWING NUMBER:
C-9.0

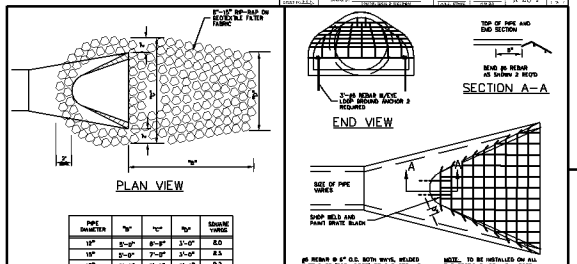




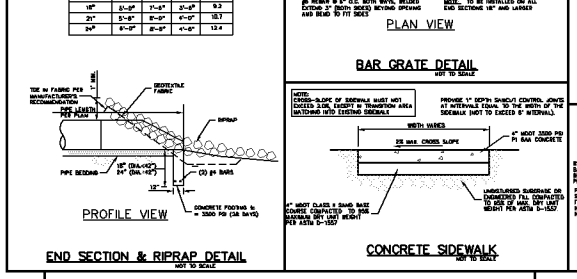


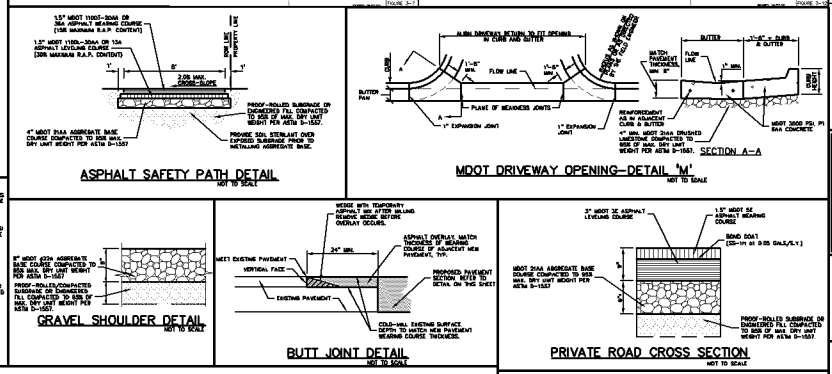


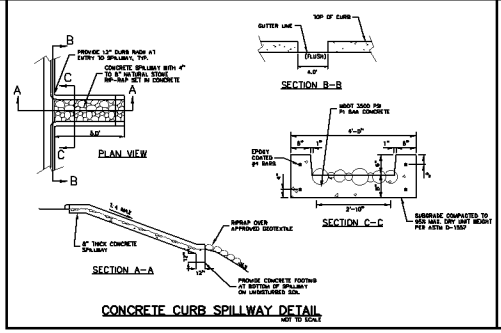


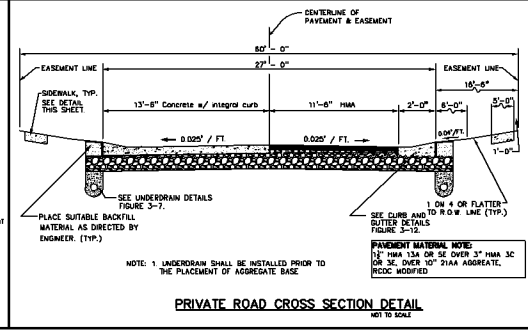


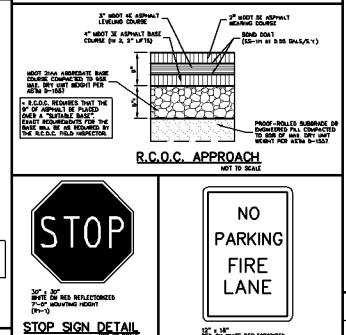
PIPE DIAMETER	"W"	"C"	"H"	SQUARE YARDS
12"	5'-0"	6'-8"	3'-0"	6.0
18"	5'-0"	7'-8"	3'-0"	8.5
18"	5'-0"	7'-8"	3'-0"	9.3
21"	5'-8"	8'-0"	4'-0"	10.7
24"	6'-0"	8'-0"	4'-6"	13.4











REVISIONS

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30180 ORCHARD LAKE ROAD, SUITE 150
FARMINGTON HILLS, MICHIGAN 48334

NOTES AND DETAILS
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 15, T3N, R10E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES:	TMK:	DN:	TMK:	SUR:	KTR:	P.M.	JBT

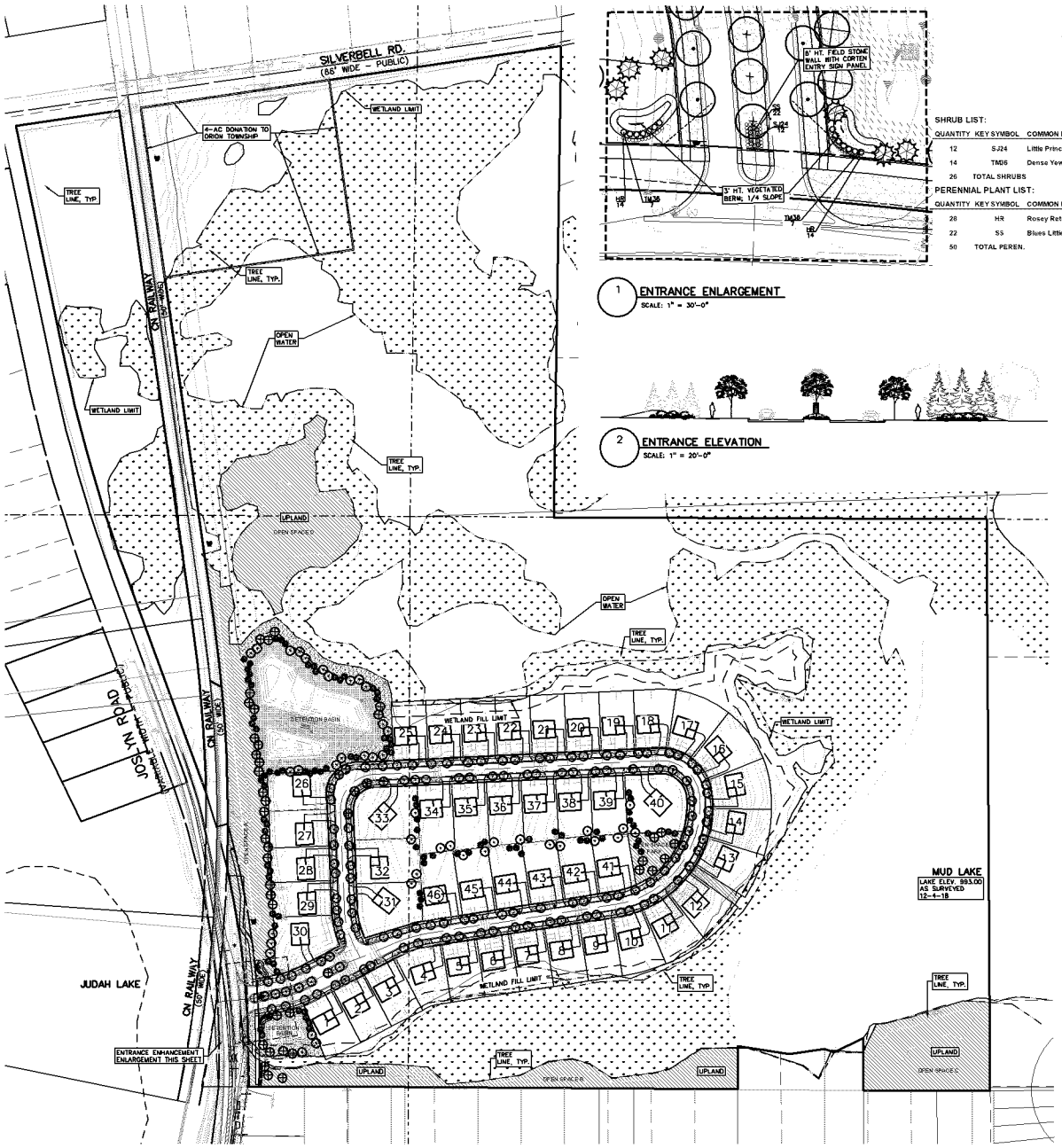
ORIGINAL ISSUE DATE: MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 120'

DRAWING NUMBER: C-10.0

XREF: S:\PROJECTS\2018\2018150\DWG\18150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\U-TBL-18150.DWG



1 ENTRANCE ENLARGEMENT
SCALE: 1" = 30'-0"

2 ENTRANCE ELEVATION
SCALE: 1" = 20'-0"

GRAPHIC SCALE

-120 0 60 120 240 480

(IN FEET)
1 inch = 120 ft.

SHRUB LIST:

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
12	SJ24	Little Princess Japanese Spirea	*Spiraea japonica 'Little Princess'*	24" Ht.	B&B
14	TM36	Dense Yew	*Taxus x media 'Densiformis'*	36" Ht.	B&B
26	TOTAL SHRUBS				

PERENNIAL PLANT LIST:

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
28	HR	Rosey Returns Daylily	*Hemerocallis 'Rosey Returns'*	Cont.	B&B
22	SS	Blues Little Bluestem	*Schizachyrium scoparium 'The Blues'*	Cont.	B&B
50	TOTAL PEREN.				

KEY:

- = STREET TREES
- = OPEN SPACE TREES
- = REPLACEMENT TREES
- = OPEN SPACE AREA
- = NON- IRRIGATED SEED LAWN
- = STORM WATER SEED MIX BY: CARDNO 574-586-2412 PROVIDE EROSION MAT ON SLOPES
- = ECONOMY PRAIRIE SEED MIX BY: CARDNO 574-586-2412 PROVIDE EROSION MAT ON SLOPES

LANDSCAPE CALCULATIONS:

PER ORION TOWNSHIP ZONING ORDINANCE

SINGLE FAMILY - STREET TREES

2 TREES PER LOT; 46 LOTS = 92 TREES
1 TREE/ 50 LF OF ROADWAY WITHOUT LOT FRONTAGE; 543 LF OR ROAD FRONTAGE/ 50 = 11 TREES. 92 + 11 = 103
TREES REQUIRED: 103
TREES PROVIDED: 103

OPEN SPACE (WIC DETENTION, WETLANDS TO REMAIN)

20% OF TOTAL USEABLE SPACE ON SITE REQUIRED AS OPEN SPACE. 28 ACRES x .2 = 5.6 ACRES
AREA 'A' ± 1.33 AC
AREA 'B' ± 1.23 AC
AREA 'C' ± 1.19 AC
AREA 'D' ± 1.76 AC
AREA 'E' ± .28 AC
TOTAL 5.79 ACRES (252,212 SF) - 20.6% OF TOTAL AREA.
1 TREE REQUIRED PER 3,000 SF = 87 TREES REQUIRED
87 TREES PROVIDED

TREE REPLACEMENT

REQUIRED: 1 TO 1 REPLACEMENT FOR WOODLAND TREES (ABOVE 4" AND WIC TREES WITHIN BUILDING ENVELOPE, ROADS, R.O.W., WALKS, UTILITIES, RETENTION/DETENTION BASINS AND DRIVEWAYS)
REPLACE TOTAL DBH OF REMOVED LANDMARK TREES.

885 WOODLAND TREES REMOVED, AND 34 LANDMARK TREES AT 895"/ 4" CAL. REPLACEMENT = 249 TREES.
1,114 TOTAL TREES REQUIRED FOR REPLACEMENT.

PROVIDED: 115 TREES AT 4" OR 8' HT. AND 180 TREES (87 OPEN SPACE TREES AND 111 STREET TREES).
REMAINDER OF 809 TREES TO BE PAID INTO TREE FUND.

Stormwater Seed Mix
CARDNO 574-586-2412
cardnonativeplantnursery.com

Botanical Name	Common Name
Permanent Grasses/Sedges/Rushes:	
Bolboschoenus fluviatilis	River Bulrush
Carex cristatella	Crested Oval Sedge
Carex lurida	Bottlebrush Sedge
Carex vulpinoidea	Brown Fox Sedge
Elymus virginicus	Virginia Wild Rye
Glyceria striata	Fowl Manna Grass
Juncus effusus	Common Rush
Leersia oryzoides	Rice Cut Grass
Panicum virgatum	Switch Grass
Schoenoplectus tabernaemontani	Softstem Bulrush
Scirpus atrovirens	Dark Green Rush
Scirpus cyperinus	Wool Grass
Temporary Cover:	
Avena sativa	Common Oat
Lolium multiflorum	Annual Rye
Forbs & Shrubs:	
Alisma spp.	Water Plantain (Various Mix)
Asclepias incarnata	Swamp Milkweed
Bidens spp.	Bidens (Various Mix)
Helenium autumnale	Sneezeweed
Iris virginica	Blue Flag
Lycopus americanus	Common Water Horehound
Mimulus ringens	Monkey Flower
Oligoneuron riddelli	Riddell's Goldenrod
Penthorum sedoides	Ditch Stonecrop
Polygonum spp.	Pinkweed (Various Mix)
Rudbeckia subtomentosa	Sweet Black-Eyed Susan
Rudbeckia triloba	Brown-Eyed Susan
Sagittaria latifolia	Common Arrowhead
Senna hebecarpa	Wild Senna
Symphyotrichum novae-angliae	New England Aster
Thalictrum dasycarpum	Purple Meadow Rue

Economy Prairie Seed Mix
CARDNO 574-586-2412
cardnonativeplantnursery.com

Botanical Name	Common Name
Permanent Grasses/Sedges/Rushes:	
Andropogon gerardi	Big Bluestem
Bouteloua curtipendula	Side Oats Grama
Carex spp.	Prairie Sedge Mix
Elymus canadensis	Canada Wild Rye
Panicum virgatum	Switch Grass
Schizachyrium scoparium	Little Bluestem
Sorghastrum nutans	Indian Grass
Temporary Cover:	
Avena sativa	Common Oat
Lolium multiflorum	Annual Rye
Forbs & Shrubs:	
Asclepias syriaca	Common Milkweed
Asclepias tuberosa	Butterfly Weed
Chamaecrista fasciculata	Partridge Pea
Coreopsis lanceolata	Sand Coreopsis
Echinacea purpurea	Broad-leaved Purple Coneflower
Heliopsis helianthoides	False Sunflower
Lupinus perennis	Wild Lupine
Monarda fistulosa	Wild Bergamot
Penstemon digitalis	Foxglove Beard Tongue
Pycnanthemum virginianum	Common Mountain Mint
Ratibida pinnata	Yellow Coneflower
Rudbeckia hirta	Black-Eyed Susan
Solidago speciosa	Showy Goldenrod
Symphyotrichum laeve	Smooth Blue Aster
Symphyotrichum novae-angliae	New England Aster

GENERAL PLANTING NOTES:

1. 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 INS/WCR 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. 1. GRADE.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON LANDSCAPE PLAN PRIOR TO PRICING THE WORK.
5. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.
6. ALL SINGLE STEM SHADE TREES TO HAVE STRAIGHT TRUNKS AND SYMMETRICAL CROWNS.
7. ALL SINGLE TRUNK SHADE TREES TO HAVE A CENTRAL LEADER; TREES WITH FORKED OR IRREGULAR TRUNKS WILL NOT BE ACCEPTED.
8. 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.
9. ALL EVERGREEN TREES SHALL BE HEAVILY BRANCHED AND FULL TO THE GROUND, SYMMETRICAL IN SHAPE AND NOT SHEARED FOR THE LAST FIVE GROWING SEASONS.
10. ALL TREES TO HAVE CLAY OR CLAY LOAM BALLS, TREES WITH SAND BALLS WILL BE REJECTED.
11. 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 THE PLANT MATERIAL.
13. IT IS MANDATORY THAT POSITIVE DRAINAGE IS PROVIDED AWAY FROM ALL BUILDINGS.
14. ALL PLANTING BEDS SHALL RECEIVE 3" SHREDDED HARDWOOD BARK MULCH WITH PRE EMERGENT, SEE SPECIFICATIONS. SHREDDED PALETTE AND DYED MULCH WILL NOT BE ACCEPTED.
15. ALL LANDSCAPED AREAS SHALL RECEIVE 3" COMPACTED TOPSOIL.
16. SEE SPECIFICATIONS FOR ADDITIONAL COMMENTS, REQUIREMENTS, PLANTING PROCEDURES AND WARRANTY STANDARDS.
17. FOR NON-LAWN SEED MIX AREAS, AS NOTED ON PLAN, BRUSH MOW ONCE SEASONALLY FOR INVASIVE SPECIES CONTROL.

XREF: S:\PROJECTS\2018\2018150\DWG\18150-TOPO&SE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\V-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\V-TBLC-18150.DWG

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			REVISIONS

STATE OF MICHIGAN
JANET L. EVANS
LANDSCAPE ARCHITECT
No. 1301
REGISTERED

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30 BLOOMFIELD HILLS PARKWAY, SUITE 150
BLOOMFIELD HILLS, MICHIGAN 48304

LANDSCAPE PLAN
SILVERBELL POINTE
PART OF THE SE 1/4 OF SEC. 10 T3N R9E, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES.	JLE	DN.	CAD	S/R	KH	P-M	JBI

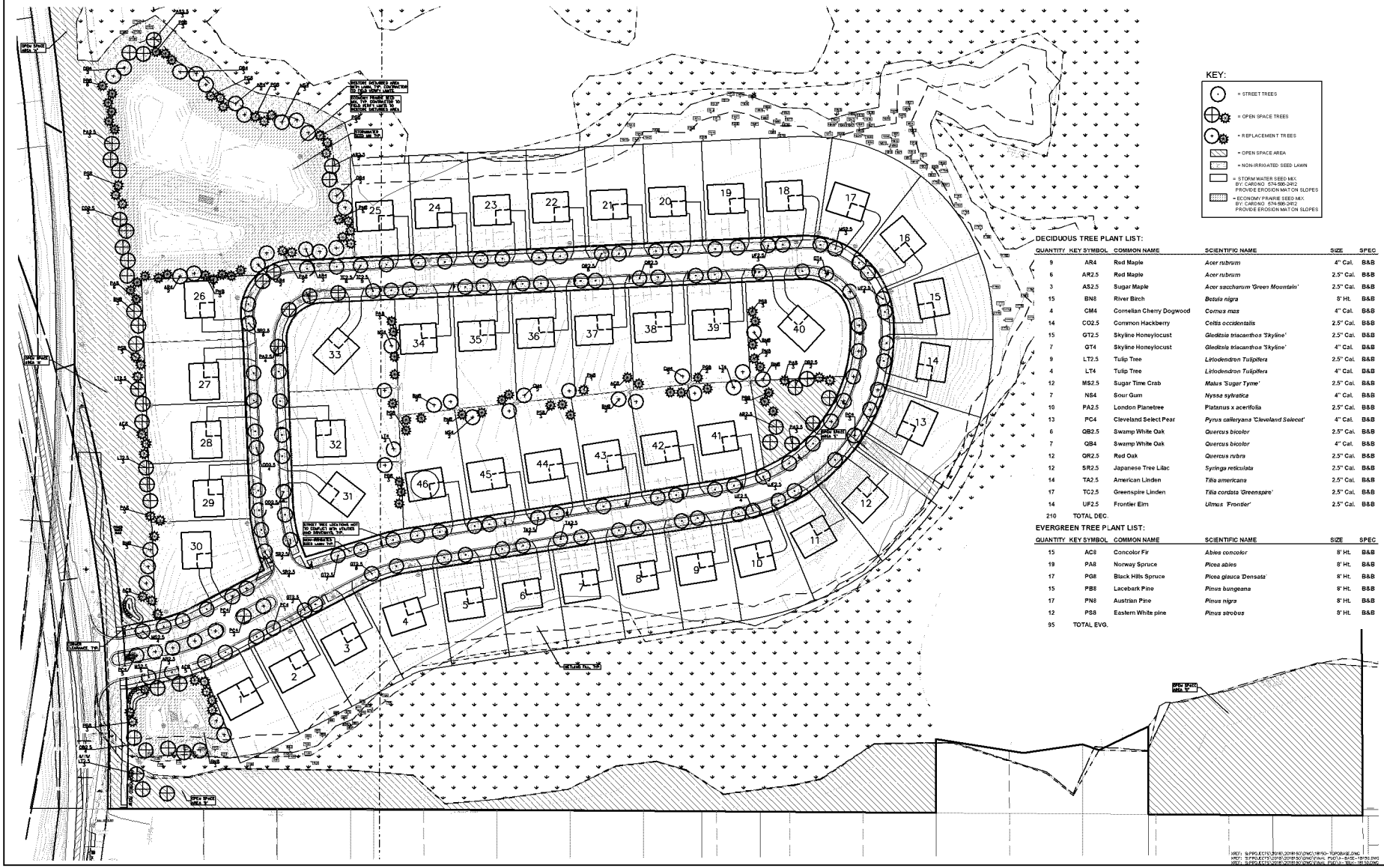
S:\PROJECTS\2018\2018150\DWG\FINAL PUD\L-18150.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 1'20"

DRAWING NUMBER:
L-1.0



KEY:

- = STREET TREES
- = OPEN SPACE TREES
- = REPLACEMENT TREES
- = OPEN SPACE AREA
- = NON-IRRIGATED SEED LAWN
- = STORM WATER SEED MIX BY: CARDINO 574-595-2412 PROVIDE EROSION MAT ON SLOPES
- = ECONOMY PRAIRIE SEED MIX BY: CARDINO 574-595-2412 PROVIDE EROSION MAT ON SLOPES

DECIDUOUS TREE PLANT LIST:

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
9	AR4	Red Maple	*Acer rubrum*	4" Cal.	B&B
6	AR2.5	Red Maple	*Acer rubrum*	2.5" Cal.	B&B
3	AS2.5	Sugar Maple	*Acer saccharum 'Green Mountain'*	2.5" Cal.	B&B
15	BN8	River Birch	*Betula nigra*	8' Ht.	B&B
4	CM4	Cornelian Cherry Dogwood	*Cornus mas*	4" Cal.	B&B
14	CO2.5	Common Hackberry	*Celtis occidentalis*	2.5" Cal.	B&B
15	GT2.5	Skyline Honeylocust	*Gleditsia triacanthos 'Skyline'*	2.5" Cal.	B&B
7	GT4	Skyline Honeylocust	*Gleditsia triacanthos 'Skyline'*	4" Cal.	B&B
9	LT2.5	Tulip Tree	*Liriodendron Tulipifera*	2.5" Cal.	B&B
4	LT4	Tulip Tree	*Liriodendron Tulipifera*	4" Cal.	B&B
12	MS2.5	Sugar Time Crab	*Malus 'Sugar Tyme'*	2.5" Cal.	B&B
7	NS4	Sour Gum	*Nyssa sylvatica*	4" Cal.	B&B
10	PA2.5	London Planetree	*Platanus x acerifolia*	2.5" Cal.	B&B
13	PC4	Cleveland Select Pear	*Pyrus calleryana 'Cleveland Select'*	4" Cal.	B&B
6	QB2.5	Swamp White Oak	*Quercus bicolor*	2.5" Cal.	B&B
7	QB4	Swamp White Oak	*Quercus bicolor*	4" Cal.	B&B
12	QR2.5	Red Oak	*Quercus rubra*	2.5" Cal.	B&B
12	SR2.5	Japanese Tree Lilac	*Syringa reticulata*	2.5" Cal.	B&B
14	TA2.5	American Linden	*Tilia americana*	2.5" Cal.	B&B
17	TC2.5	Greenspire Linden	*Tilia cordata 'Greenspire'*	2.5" Cal.	B&B
14	UF2.5	Frontier Elm	*Ulmus 'Frontier'*	2.5" Cal.	B&B
210	TOTAL DEC.				

EVERGREEN TREE PLANT LIST:

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
15	AC8	Concolor Fir	*Abies concolor*	8' Ht.	B&B
19	PA8	Norway Spruce	*Picea abies*	8' Ht.	B&B
17	PG8	Black Hills Spruce	*Picea glauca 'Densata'*	8' Ht.	B&B
15	PB8	Lacebark Pine	*Pinus bungeana*	8' Ht.	B&B
17	PN8	Austrian Pine	*Pinus nigra*	8' Ht.	B&B
12	PS8	Eastern White pine	*Pinus strobus*	8' Ht.	B&B
95	TOTAL EVG.				

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STATE OF MICHIGAN
JANET L. EVANS
LANDSCAPE ARCHITECT
No. 1301
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FRANKLIN RIDGE HOMES, LLC
30 BIG ORCHARD LAKE ROAD, SUITE 150
BLOOMFIELD HILLS, MICHIGAN 48304

LANDSCAPE PLAN
SILVERBELL POINTE
PART OF THE NE 1/4 OF SECTION 23, AND SECTION 24, TOWN 2 NORTH, RANGE 11 EAST, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES.	JLE	DN.	PAU	SIR.	KLH	P-M	JBI

S:\PROJECTS\PEA\2018-150 SILVERBELL POINTE CONDO - phase1\LANDSCAPE\CONSTRUCTION\PLAN\LANDSCAPE-18150.dwg

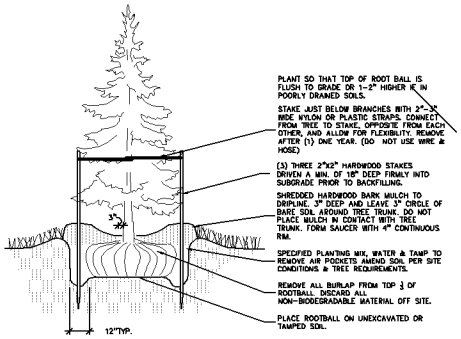
ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 60'

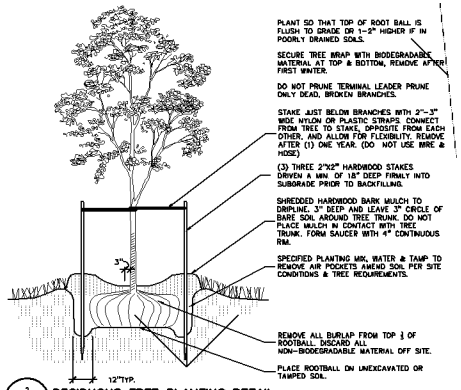
DRAWING NUMBER:
L-1.1

XREF: S:\PROJECTS\2018\2018150\DWG\18150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PLOT\V3-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PLOT\V3-BLU-18150.DWG



2 EVERGREEN TREE PLANTING DETAIL

SCALE: 1" = 3'-0"



1 DECIDUOUS TREE PLANTING DETAIL

SCALE: 1" = 3'-0"

XREF: S:\PROJECTS\2018\2018150\DWG\18150-TOPOBASE.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\X-BASE-18150.DWG
XREF: S:\PROJECTS\2018\2018150\DWG\FINAL PUD\X-BLU-18150.DWG

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STATE OF MICHIGAN
JANET L. EVANS
LANDSCAPE ARCHITECT
No. 1301
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FRANKLIN RIDGE HOMES, LLC
30 BIG ORCHARD LAKE ROAD, SUITE 150
BLOOMFIELD HILLS, MICHIGAN 48304

LANDSCAPE DETAILS
SILVERBELL POINTE
PART OF THE SE 1/4 OF SECTION 23, THE SE 1/4 OF SECTION 23, TOWN 3 N, RIDGE 11 E, CITY OF NOVI, OAKLAND COUNTY, MICHIGAN

DES.	DN.	CKD.	SUR.	PM.
JLE	JLE	KAD	KLH	JBI

S:\PROJECTS\2018\2018150 - SILVERBELL POINTE (NOVI) - JB\DWG\LANDSCAPE\CONSTRUCTION\PUD LANDSCAPE-18150.DWG

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2018-150

SCALE: 1" = 60'

DRAWING NUMBER:

L-1.2

GRAPHIC SCALE

-60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft

N

KEY:

= EXISTING TREES TO REMAIN WITH TREE PROTECTION FENCE

= EXISTING TREES TO BE REMOVED

PROVIDE TREE PROTECTION FENCE AROUND EXISTING TREES TO REMAIN, TYP.

EXISTING TREE TO REMAIN TYP.

EXISTING TREE TO BE REMOVED TYP.

NO.	BY	CHK	DESCRIPTION	DATE

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STATE OF MICHIGAN
JANET L. EVANS
LANDSCAPE ARCHITECT
No. 1301
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PONTIAC, MICHIGAN 48341-1134

TREE PRESERVATION PLAN
SILVERBELL POINTE
PART OF THE NE 1/4 OF SECTION 28, AND SECTION 33, TOWN 6 NORTH, RANGE 11 EAST, ORION TOWNSHIP, OAKLAND COUNTY, MICHIGAN

DES.	JLE	DN.	EAU	SJR	KLH	P-M	JBI

S:\PEA\PROJECTS\2019-150 SILVERBELL POINTE CONDO - phase1\#DESIGN\CONSTRUCTION SET-HREF\#Xref-#Base

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2019-150

SCALE: 1" = 60'

DRAWING NUMBER:
T-1.0

XREF: S:\PROJECTS\2019\2019150\DWG\19150-TOPOBASE.DWG
XREF: S:\PROJECTS\2019\2019150\DWG\FINAL PUD\V-BASE-19150.DWG
XREF: S:\PROJECTS\2019\2019150\DWG\FINAL PUD\V-BLU-19150.DWG

GRAPHIC SCALE

-60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

N

KEY:

= EXISTING TREES TO REMAIN WITH TREE PROTECTION FENCE

= EXISTING TREES TO BE REMOVED

NO.	BY	DATE	DESCRIPTION

REVISIONS

STATE OF MICHIGAN
JANET L. EVANS
LANDSCAPE ARCHITECT
No. 1301
REGISTERED

CAUTION!!

THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE BASED ON THE BEST INFORMATION AVAILABLE TO US. WE CANNOT GUARANTEE IT IS COMPLETE OR ACCURATE. THEREFORE, THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACTLY KEY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

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FRANKLIN RIDGE HOMES, LLC
30 BLOOMFIELD HILLS PARKWAY, SUITE 150
BLOOMFIELD HILLS, MICHIGAN 48304

TREE PRESERVATION PLAN
SILVERBELL POINTE

PART OF THE NE 1/4 OF SECTION 23, AND SECTION 24, T1DN, R10E
CITY OF NOVI, OAKLAND COUNTY, MICHIGAN

DES.	JLE	UN.	F-AU	S.I.R.	K.H.	F-M	JBI

S:\PROJECTS\PEA\2019-150 SILVERBELL POINTE (NOVI) - p:\NOVI_LANDSCAPE\CONSTRUCTION\TREE PRESERVATION PLAN.dwg

ORIGINAL ISSUE DATE:
MARCH 17, 2020

PEA JOB NO. 2019-150

SCALE: 1" = 60'

DRAWING NUMBER:
T-1.1

XREF: S:\PROJECTS\2019\2019150\DWG\19150-TOPOBASE.DWG
XREF: S:\PROJECTS\2019\2019150\DWG\FINAL PLOT\X-BASE-19150.DWG
XREF: S:\PROJECTS\2019\2019150\DWG\FINAL PLOT\X-SITE-19150.DWG

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
1	SU	9	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
3	WO	9	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
4	WO	7	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
5	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
6	E	6	American Elm	Ulmus americana	Poor		INVASIVE	R	-
7	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
8	WO	8	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
9	E	11	American Elm	Ulmus americana	Fair		INVASIVE	R	-
10	WO	5	White Oak	Quercus alba	Poor		WOODLAND	R	-
11	WO	25	White Oak	Quercus alba	Fair		LANDMARK	R	REPLACE
12	WO	37	White Oak	Quercus alba	Good		LANDMARK	R	REPLACE
13	SU	5	Sugar Maple	Acer saccharum	Good		WOODLAND	R	-
14	BC	11	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
15	WO	5	White Oak	Quercus alba	Poor		WOODLAND	R	-
16	BW	7	Black Walnut	Juglans nigra	Fair		WOODLAND	R	REPLACE
17	BW	7	Black Walnut	Juglans nigra	Poor		WOODLAND	R	-
18	PO	17	Pin Oak	Quercus palustris	Poor		WOODLAND	R	-
19	BW	4	Black Walnut	Juglans nigra	Fair		WOODLAND	R	-
20	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
21	BW	7	Black Walnut	Juglans nigra	Poor		WOODLAND	R	-
22	SM	7	Silver Maple	Acer saccharinum	Fair		INVASIVE	R	-
23	SU	9	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
24	RO	37	Red Oak	Quercus rubra	Very Poor		LANDMARK	R	-
25	WO	4	White Oak	Quercus alba	Very Poor		WOODLAND	R	-
26	WO	6	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
27	WO	9	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
28	BL	4	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
29	BL	7	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
30	BL	5	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
31	WO	8	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
32	BO	17	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
33	WO	9	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
34	RO	15	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
35	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
36	RO	17	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
37	WO	6	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
38	BO	14	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
39	RO	17	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
40	RO	20	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
41	WO	17	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
42	BL	7	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
43	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
44	BL	7	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
45	WP	7	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
46	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
47	RM	17	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
48	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
49	BL	13	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
50	BO	18	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
51	BL	13	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
52	RM	17	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
53	BL	19	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
54	BL	5	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	-
55	BL	17	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
56	GA	4	Green Ash	Fraxinus pennsylvanica	Good	spikey	INVASIVE	R	-
57	GA	6	Green Ash	Fraxinus pennsylvanica	Fair	spikey	INVASIVE	R	-
58	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
59	BL	10	Black Locust	Robinia pseudoacacia	Fair	x2	WOODLAND	R	REPLACE
60	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
61	BL	12	Black Locust	Robinia pseudoacacia	Fair	x2	WOODLAND	R	REPLACE
62	BL	10	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
63	GA	8	Green Ash	Fraxinus pennsylvanica	Fair		INVASIVE	R	-
64	BL	14	Black Locust	Robinia pseudoacacia	Fair	x3	WOODLAND	R	REPLACE
65	BL	13	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
66	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
67	BL	7	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
68	BL	13	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
69	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
70	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
71	BL	6	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
72	BX	12	Box elder	Acer negundo	Fair		INVASIVE	R	-
73	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
74	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
75	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
76	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
77	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
78	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
79	SU	4	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
80	BC	15	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
81	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
82	RO	19	Red Oak	Quercus rubra	Fair	x2	WOODLAND	R	REPLACE
83	BX	6	Box elder	Acer negundo	Fair	x2	INVASIVE	R	-
84	WO	13	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
85	BL	6	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
86	BX	13	Box elder	Acer negundo	Poor	x2	INVASIVE	R	-
87	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
88	BL	11	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
89	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
90	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
91	RO	15	Red Oak	Quercus rubra	Fair	x2	WOODLAND	R	REPLACE
92	BL	7	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
93	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
94	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
95	BL	11	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
96	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
97	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
98	BL	6	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
99	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
100	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
101	RO	10	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
102	RO	12	Red Oak	Quercus rubra	Very Poor		WOODLAND	R	-
103	RO	6	Red Oak	Quercus rubra	Very Poor		WOODLAND	R	-
104	RO	14	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
105	E	5	American Elm	Ulmus americana	Poor		INVASIVE	R	-
106	E	10	American Elm	Ulmus americana	Poor		INVASIVE	R	-
107	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
108	RM	8	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
109	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
110	SM	4	Silver Maple	Acer saccharinum	Fair		INVASIVE	R	-
111	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
112	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
113	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
114	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
115	BA	8	Black Ash	Fraxinus nigra	Good		INVASIVE	R	-
116	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
117	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
118	RO	6	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
119	RO	15	Red Oak	Quercus rubra	Very Poor		WOODLAND	R	-
121	E	6	American Elm	Ulmus americana	Good		WOODLAND	R	-
120	SU	5	Sugar Maple	Acer saccharum	Good		WOODLAND	R	-
122	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
123	WO	30	White Oak	Quercus alba	Poor		LANDMARK	R	-
124	RO	30	Red Oak	Quercus rubra	Poor		LANDMARK	R	-
125	BO	30	Black Oak	Quercus velutina	Poor		LANDMARK	R	-
126	BO	34	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
127	BC	6	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
128	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
129	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
130	SU	12	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
131	BC	6	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
132	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
133	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
134	BC	5	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
135	RO	10	Red Oak	Quercus rubra	Very Poor		WOODLAND	R	-

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
136	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
137	BO	12	Black Oak	Quercus velutina	Very Poor		WOODLAND	R	-
138	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
139	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
140	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
141	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
142	BC	4	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
143	SU	5	Sugar Maple	Acer saccharum	Good		WOODLAND	R	-
144	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
145	RO	15	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
146	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
147	BO	12	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
148	SU	5	Sugar Maple	Acer saccharum	Good		WOODLAND	R	-
149	BL	15	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
150	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
151	BL	16	Black Locust	Robinia pseudoacacia	Fair	1	WOODLAND	R	REPLACE
152	BL	12	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
153	BL	18	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
154	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
155	BL	15	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
156	BL	13	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
157	BC	18	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
158	BL	12	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
159	BX	5	Box elder	Acer negundo	Poor		INVASIVE	R	-
160	BX	5	Box elder	Acer negundo	Fair		INVASIVE	R	-
161	BX	5	Box elder	Acer negundo	Fair		INVASIVE	R	-
162	BL	10	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
163	BL	12	Black Locust	Robinia pseudoacacia	Good	1	WOODLAND	R	REPLACE
164	BL	15	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
165	BL	10	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
166	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
167	BL	15	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
168	BX	7	Box elder	Acer negundo	Poor		INVASIVE	R	-
169	BC	5	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
170	BL	6	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
171	BX	6	Box elder	Acer negundo	Poor		INVASIVE	R	-
173	BX	4	Box elder	Acer negundo	Fair		INVASIVE	R	-
174	BL	5	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
175	BL	6	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
176	BL	12	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
177	BL	14	Black Locust	Robinia pseudoacacia	Fair	1	WOODLAND	R	REPLACE
178	BX	4	Box elder	Acer negundo	Poor		INVASIVE	R	-
179	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
180	BL	16	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
181	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
182	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
183	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
184	BL	13	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
185	BL	14	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
186	BL	8	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
187	BL	10	Black Locust	Robinia pseudoacacia	Fair	1	WOODLAND	R	REPLACE
188	BL	12	Black Locust	Robinia pseudoacacia	Good	1	WOODLAND	R	REPLACE
189	BL	10	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
190	BX	4	Box elder	Acer negundo	Poor		INVASIVE	R	-
191	BL	10	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
192	BL	7	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
193	BX	4	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
194	WP	9	(Eastern) White Pine	Pinus strobus	Very Poor		WOODLAND	R	-
195	BX	5	Box elder	Acer negundo	Poor		INVASIVE	R	-
196	BL	15	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
197	BL	14	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
198	BX	4	Box elder	Acer negundo	Poor		INVASIVE	R	-
199	BL	27	Black Locust	Robinia pseudoacacia	Good	1	WOODLAND	R	REPLACE
200	WP	11	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
201	BC	7	Wild Black Cherry	Prunus serotina	Very Poor	2	WOODLAND	R	-
201	BL	9	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
202	BL	11	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
203	BL	9	Black Locust	Robinia pseudoacacia	Fair	x2	WOODLAND	R	REPLACE
204	WP	19	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
205	WP	15	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
206	BL	6	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
207	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
208	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
209	BL	8	Black Locust	Robinia pseudoacacia	Fair	x2	WOODLAND	R	REPLACE
210	BL	11	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
211	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
212	BL	10	Black Locust	Robinia pseudoacacia	Poor	x2	WOODLAND	R	-
213	BL	10	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
214	WP	11	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
215	WP	19	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
216	BL	7	Black Locust	Robinia pseudoacacia	Poor	x2	WOODLAND	R	-
217	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
218	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
219	BL	4	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
220	RO	9	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
221	RO	22	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
222	WP	10	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
223	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
224	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
225	BL	3	Black Locust	Robinia pseudoacacia	Very Poor		WOODLAND	R	-
226	WP	8	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
227	BL	8	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
228	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
229	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
230	BL	9	Black Locust	Robinia pseudoacacia	Fair	x1	WOODLAND	R	REPLACE
231	WP	10	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
232	WP	18	(Eastern) White Pine	Pinus strobus	Fair	x2	WOODLAND	R	REPLACE
233	BC	11	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
234	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
235	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
236	BC	18	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
237	WP	22	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
238	CA	6	Crab Apple	Malus ioensis	Poor		WOODLAND	R	-
239	RO	15	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
240	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
241	WP	5	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	-
242	RO	6	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
243	RO	10	Red Oak	Quercus rubra	Fair	x1	WOODLAND	R	REPLACE
244	WP	11	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
245	RO	13	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
246	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
247	RO	28	Red Oak	Quercus rubra	Poor		LANDMARK	R	-
248	WP	19	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	-
249	WP	12	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
250	WP	24	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
251	WP	19	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
252	WP	12	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
253	RO	11	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
254	WP	24	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
255	WP	8	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
256	WP	11	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	-
257	WP	6	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
258	SU	6	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
259	WP	8	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
260	WP	19	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
261	WP	13	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
262	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
263	WP	19	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
264	WP	21	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
265	WP	22	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
266	WP	9	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
267	WP	9	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
268	BX	12	Box elder	Acer negundo	Poor	x1	INVASIVE	R	-
269	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
270	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
271	WP	12	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
272	WP	15	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
273	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
274	WP	15	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
275	AP	6	Domestic Apple	Malus sylvestris	Poor	x2	WOODLAND	R	-
276	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
277	BC	9	Wild Black Cherry	Prunus serotina	Fair	x2	WOODLAND	R	REPLACE
278	WP	17	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
279	WP	17	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
280	WP	16	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
281	WP	6	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
282	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
283	WP	15	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
284	WP	7	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
285	WP	7	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
286	WP	9	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
299	WP	8	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
287	WP	11	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
288	WP	5	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	-
289	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
290	WP	14	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
291	WP	10	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
292	WP	6	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
293	BC	5	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	-
294	WP	12	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
295	WP	15	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
296	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
297	WP	13	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
298	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
			NI #299						
300	WP	18	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
301	BL	12	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
302	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
303	BL	13	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
304	BL	5	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	-
305	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
306	BC	12	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
307	BL	9	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
308	E	16	American Elm	Ulmus americana	Fair		INVASIVE	R	-
309	BC	4	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
310	BC	18	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
311	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
312	BL	10	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
313	WP	7	(Eastern) White Pine	Pinus strobus	Very Poor		WOODLAND	R	-
314	E	6	American Elm	Ulmus americana	Very Poor		INVASIVE	R	-
315	BL	4	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
316	BL	12	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
317	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
318	BL	10	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
319	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
320	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
321	BL	8	Black Locust	Robinia pseudoacacia	Very Poor		WOODLAND	R	-
322	BL	10	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
323	BL	9	Black Locust	Robinia pseudoacacia	Very Poor		WOODLAND	R	-
324	BL	10	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
325	SU	4	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
326	BO	28	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
327	RO	26	Red Oak	Quercus rubra	Fair	

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
400	E	14	American Elm	Ulmus americana	Poor		INVASIVE	R	-
407	BC	26	Wild Black Cherry	Prunus serotina	Good		LANDMARK	R	REPLACE
408	BW	4	Black Walnut	Juglans nigra	Fair		WOODLAND	R	-
409	BX	9	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
410	BL	4	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	-
411	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
412	BX	9	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
413	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
414	BC	13	Wild Black Cherry	Prunus serotina	Good	1	WOODLAND	R	REPLACE
415	BC	16	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
416	WP	26	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
417	BL	8	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
418	SU	11	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
419	BC	6	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
420	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
421	BC	26	Wild Black Cherry	Prunus serotina	Good	1	LANDMARK	R	REPLACE
422	WP	12	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
423	BL	13	Black Locust	Robinia pseudoacacia	Very Poor		WOODLAND	R	-
424	BL	7	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
425	BL	10	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
426	WP	28	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
427	BL	5	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	-
428	BL	11	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
429	BL	26	Black Locust	Robinia pseudoacacia	Very Poor		WOODLAND	R	-
430	BL	10	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	-
431	BC	24	Wild Black Cherry	Prunus serotina	Good		LANDMARK	R	REPLACE
432	WP	12	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
433	BC	13	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
434	BL	7	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
435	BL	8	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
436	E	10	American Elm	Ulmus americana	Very Poor		INVASIVE	R	-
437	BL	13	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
438	BL	9	Black Locust	Robinia pseudoacacia	Very Poor		WOODLAND	R	-
439	BL	11	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
440	BL	4	Black Locust	Robinia pseudoacacia	Very Poor		WOODLAND	R	-
441	BC	10	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
442	BA	5	Black Ash	Fraxinus nigra	Fair		INVASIVE	R	-
443	BL	15	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
444	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
445	BC	12	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
446	BC	12	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
447	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
448	BX	8	Box elder	Acer negundo	Poor	2	INVASIVE	R	-
449	BL	24	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
450	WP	16	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
451	BL	12	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
452	E	14	American Elm	Ulmus americana	Fair		INVASIVE	R	-
453	BL	12	Black Locust	Robinia pseudoacacia	Fair	1	WOODLAND	R	REPLACE
454	BL	10	Black Locust	Robinia pseudoacacia	Fair	1	WOODLAND	R	REPLACE
455	E	7	American Elm	Ulmus americana	Fair	1	INVASIVE	R	-
456	RO	9	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
457	BL	10	Black Locust	Robinia pseudoacacia	Fair	1	WOODLAND	R	REPLACE
458	SU	6	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
459	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
460	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
461	WP	18	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
462	BL	18	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
463	BL	12	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
464	BL	13	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
465	BX	8	Box elder	Acer negundo	Very Poor	3	INVASIVE	R	-
466	BX	7	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
467	BC	12	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
468	BC	18	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
469	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
470	SU	7	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
471	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
472	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
473	BL	12	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
474	SU	6	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
475	BL	13	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
476	BX	10	Box elder	Acer negundo	Poor		INVASIVE	R	-
477	BL	12	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
478	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
479	SU	6	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
480	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
481	BC	5	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
482	BL	28	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
483	BL	12	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
484	BX	7	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
485	BL	18	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
486	BL	14	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
487	BL	18	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
488	BL	16	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
489	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
490	BX	6	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
491	BL	8	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
492	BL	12	Black Locust	Robinia pseudoacacia	Fair	1	WOODLAND	R	REPLACE
493	BL	13	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
494	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
495	BX	3	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
496	BX	7	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
497	BX	5	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
498	BL	8	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
499	BL	13	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
500	BX	7	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
501	CH	8	Domestic Cherry	Prunus avium	Poor	x2	WOODLAND	R	-
502	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
503	BC	7	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
504	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
505	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
506	CH	5	Domestic Cherry	Prunus avium	Poor		WOODLAND	R	-
507	BX	18	Box elder	Acer negundo	Poor		INVASIVE	R	-
508	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
509	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
510	AP	9	Domestic Apple	Malus sylvestris	Poor	x3	WOODLAND	R	-
511	BC	18	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
512	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
513	AP	4	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
514	AP	17	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
515	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
516	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
517	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
518	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
519	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
520	AP	4	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
521	AP	27	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
522	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
523	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
524	E	12	American Elm	Ulmus americana	Fair		INVASIVE	R	-
525	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
526	RO	7	Red Oak	Quercus rubra	Fair	x3	WOODLAND	R	REPLACE
527	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
528	WP	21	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
529	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
530	WO	9	White Oak	Quercus alba	Fair		WOODLAND	R	REPLACE
531	SU	9	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
532	E	11	American Elm	Ulmus americana	Fair		INVASIVE	R	-
533	RO	13	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
534	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
535	SU	4	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
536	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
537	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
538	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
539	WP	18	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
540	BC	17	Wild Black Cherry	Prunus serotina	Fair	x2	WOODLAND	R	REPLACE
541	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
542	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
543	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
544	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
545	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
546	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
547	SU	6	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
548	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
549	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
550	BC	7	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
551	BC	12	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
552	SU	7	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
553	SU	9	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
554	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
555	SU	9	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
556	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
557	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
558	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
559	SU	9	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
560	BC	29	Wild Black Cherry	Prunus serotina	Poor		LANDMARK	R	-
561	BC	9	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
562	E	11	American Elm	Ulmus americana	Fair	x1	INVASIVE	R	-
563	SU	6	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
564	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
565	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
566	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
567	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
568	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
569	BC	25	Wild Black Cherry	Prunus serotina	Fair		LANDMARK	R	REPLACE
570	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
571	SU	4	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
572	BL	4	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	-
573	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
574	SU	9	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
575	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
576	WP	27	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
577	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
578	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
579	SU	11	Sugar Maple	Acer saccharum	Fair	x2	WOODLAND	R	REPLACE
580	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
581	E	8	American Elm	Ulmus americana	Fair		INVASIVE	R	-
582	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
583	BC	24	Wild Black Cherry	Prunus serotina	Fair		LANDMARK	R	REPLACE
584	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
585	SU	9	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
586	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
587	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
588	SU	19	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
589	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
590	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
591	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
592	BL	9	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
593	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
594	BL	17	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
595	SU	4	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
596	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
597	SM	4	Silver Maple	Acer saccharinum	Fair		INVASIVE	R	-
598	E	14	American Elm	Ulmus americana	Fair		INVASIVE	R	-
599	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
600	SU	5	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
601	BX	5	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
602	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
603	BL	15	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
604	BX	5	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
605	BL	12	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
606	BL	6	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
607	BA	7	Black Ash	Fraxinus nigra	Fair		INVASIVE	R	-
608	BL	8	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
609	BX	5	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
610	BL	17	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
611	BX	8	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
612	BL	12	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
613	BL	10	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
614	BL	14	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
615	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
616	BX	6	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
617	BL	24	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
618	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
619	BC	7	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
620	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
621	BL	7	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
622	BL	15	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
623	BL	15	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
624	BL	15	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
625	BL	18	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
626	BX	8	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
627	BL	13	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
628	BL	17	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
629	BL	16	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
630	BX	6	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
631	BL	17	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
632	BL	15	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
633	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
634	BL	13	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
635	BX	6	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
636	BL	15	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
637	BX	6	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
638	BC	13	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
639	BL	7	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
640	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
641	BL	15	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
642	BX	6	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
643	SM	6	Silver Maple	Acer saccharinum	Poor		INVASIVE	R	-
644	BX	6	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
645	BC	4	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
646	BL	4	Black Locust	Robinia pseudoacacia	Very Poor		WOODLAND	R	-
647	BX	7	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
648	SU	6	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
649	BC	16	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
650	BL	11	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
651	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
652	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
653	BC	10	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
654	BC	18	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
655	SU	4	Sugar Maple	Acer saccharum	Poor		WOODLAND	R	-
656	E	6	American Elm	Ulmus americana	Very Poor		INVASIVE	R	-
657	BC	18	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
658	BL	11	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
659	SU	7	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
660	BL	15	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
661	BC	6	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
662	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
663	BX	5	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
664	BX	6	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
665	BL	20	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	-
666	BL	15	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
667	E	13	American Elm	Ulmus americana	Poor		INVASIVE	R	-
668	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
669	NM	11	Norway Maple	Acer platanoides	Good		WOODLAND	R	REPLACE
670	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
671	SU	6	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
672	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
673	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
674	NM	7	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
675	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
676	SU	12	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
677	WO	29	White Oak	Quercus alba	Fair		LANDMARK	R	REPLACE
678	BC	18	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
679	BC	26	Wild Black Cherry	Prunus serotina	Poor		LANDMARK	R	-
680	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
681	NM	8	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
682	SM	6	Silver Maple	Acer saccharinum	Poor		INVASIVE	R	-
683	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
684	BC	10	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
685	NM	10	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
686	BL	10	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
687	BL	13	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
688	BL	10	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
689	BC	10	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
690	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
691	BL	13	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
692	BL	13	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
693	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
694	BX	6	Box elder	Acer negundo	Poor	1	INVASIVE	R	-
695	BL	20	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
696	BX	7	Box elder	Acer negundo	Poor		INVASIVE	R	-
697	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
698	BL	20	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
699	BX	7	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
700	BL	13	Black Locust	Robinia pseudoacacia	Good	1	WOODLAND	R	REPLACE
701	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
702	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
703	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
704	SU	4	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
705	BC	10	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
706	SU	7	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
707	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
708	SU	7	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
709	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
710	RO	11	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
711	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
712	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
713	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
714	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
715	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
716	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
717	AP	5	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
718	AP	6	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
719	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
720	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
721	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
722	RO	31	Red Oak	Quercus rubra	Fair		LANDMARK	R	REPLACE
723	SU	4	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
724	RO	17	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
725	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
726	RO	13	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
727	BO	6	Black Oak	Quercus velutina	Poor		WOODLAND	R	-
728	RO	7	Red Oak	Quercus rubra	Very Poor		WOODLAND	R	-
729	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
730	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
731	E	23	American Elm	Ulmus americana	Fair		INVASIVE	R	-
732	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
733	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
734	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
735	SU	10	Sug

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
811	BX	4	Box elder	Acer negundo	Poor		INVASIVE	R	-
812	BL	7	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
813	E	7	American Elm	Ulmus americana	Poor		INVASIVE	R	-
814	BC	10	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
815	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
816	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
817	BL	10	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
818	BL	10	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
819	BL	19	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
820	BL	13	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
821	BL	16	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
822	BW	-	Black Walnut	Juglans nigra	Good		LANDMARK	R	REPLACE
823	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
824	E	6	American Elm	Ulmus americana	Poor		INVASIVE	R	-
825	BL	11	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
826	BL	14	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
827	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
828	BO	8	Black Oak	Quercus velutina	Poor		WOODLAND	R	-
829	BWW	9	Black Willow	Salix nigra	Poor		INVASIVE	R	-
830	BC	11	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
831	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
832	BC	10	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
833	BC	7	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
835	BC	5	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
836	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
837	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
838	BO	36	Black Oak	Quercus velutina	Very Poor		LANDMARK	R	-
839	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
840	SU	4	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
841	BC	9	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
842	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
843	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
844	BC	10	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
845	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
846	BO	28	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
847	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
848	SU	5	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
849	BO	26	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
849	NM	4	Norway Maple	Acer platanoides	Good		WOODLAND	R	-
850	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
851	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
852	RM	16	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
853	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
854	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
855	BC	9	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
856	BC	12	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
857	BW	9	Wild Black Willow	Salix nigra	Good		INVASIVE	R	REPLACE
858	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
859	BC	4	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
860	BC	10	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
861	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
862	WO	19	White Oak	Quercus alba	Poor		WOODLAND	R	REPLACE
863	NM	8	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
864	NM	11	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
865	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
866	SS	8	Sassafras	Sassafras albidum	Fair		WOODLAND	R	REPLACE
867	RO	29	Red Oak	Quercus rubra	Poor		LANDMARK	R	-
868	BC	9	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
869	NM	10	Norway Maple	Acer platanoides	Good		WOODLAND	R	REPLACE
870	NM	4	Norway Maple	Acer platanoides	Good		WOODLAND	R	-
871	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
872	BC	4	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
873	BO	28	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
874	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
875	SM	7	Silver Maple	Acer saccharinum	Very Poor		INVASIVE	R	-
876	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
877	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
878	SM	10	Silver Maple	Acer saccharinum	Very Poor		INVASIVE	R	-
879	WO	30	White Oak	Quercus alba	Very Poor		LANDMARK	R	-
880	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
881	E	13	American Elm	Ulmus americana	Fair		INVASIVE	R	-
882	E	15	American Elm	Ulmus americana	Fair		INVASIVE	R	-
883	RM	19	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
884	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
885	RM	11	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
886	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
887	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
888	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
889	NM	7	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
890	RM	11	Red Maple	Acer rubrum	Very Poor		WOODLAND	R	-
891	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
892	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
893	BC	8	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
894	NM	11	Norway Maple	Acer platanoides	Good		WOODLAND	R	REPLACE
895	WO	44	White Oak	Quercus alba	Fair		LANDMARK	R	REPLACE
896	RM	10	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
897	BC	7	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
898	WO	26	White Oak	Quercus alba	Very Poor		LANDMARK	R	-
899	NM	7	Norway Maple	Acer platanoides	Good		WOODLAND	R	REPLACE
900	BO	34	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
901	BC	4	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
902	RM	7	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
903	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
904	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
905	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
906	E	5	American Elm	Ulmus americana	Poor		INVASIVE	R	-
907	RM	9	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
908	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
909	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
910	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
911	E	11	American Elm	Ulmus americana	Fair		INVASIVE	R	-
912	SM	9	Silver Maple	Acer saccharinum	Fair		INVASIVE	R	-
913	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
914	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
915	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
916	BC	12	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
917	RM	13	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
918	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
919	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
920	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
921	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
922	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
923	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
924	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
925	SU	18	Sugar Maple	Acer saccharum	Poor		WOODLAND	R	-
926	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
927	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
928	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
929	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
930	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
931	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
932	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
933	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
934	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
935	E	8	American Elm	Ulmus americana	Fair		INVASIVE	R	-
936	RM	11	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
937	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
938	E	9	American Elm	Ulmus americana	Very Poor	x1	INVASIVE	R	-
939	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
940	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
941	NM	8	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
942	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
943	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
944	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
945	NM	10	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
946	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
947	BC	12	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
948	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
949	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
950	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
951	WP	23	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
952	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
953	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
954	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
955	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
956	NM	14	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
957	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
958	E	8	American Elm	Ulmus americana	Fair		INVASIVE	R	-
959	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
960	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
961	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
962	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
963	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
964	RO	3	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
965	BC	21	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
966	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
967	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
968	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
969	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
970	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
971	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
972	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
973	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
974	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
975	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
976	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
977	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
978	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
979	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
980	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
981	E	8	American Elm	Ulmus americana	Fair		INVASIVE	R	-
982	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
983	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
984	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
985	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
986	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
987	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
988	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
989	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
990	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
991	WP	26	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
992	E	8	American Elm	Ulmus americana	Poor		INVASIVE	R	-
993	E	15	American Elm	Ulmus americana	Fair		INVASIVE	R	-
994	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
995	E	8	American Elm	Ulmus americana	Fair		INVASIVE	R	-
996	AP	5	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	-
997	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
998	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
999	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1000	RM	11	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1001	WP	26	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1002	WP	19	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1003	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1004	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1005	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1006	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1007	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1008	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1009	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1010	AP	5	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	-
1011	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1012	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1013	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1014	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1015	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1016	AP	8	Domestic Apple	Malus sylvestris	Fair	x4	WOODLAND	R	REPLACE
1017	E	10	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1018	E	18	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1019	AP	7	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
1020	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1021	SS	6	Sassafras	Sassafras albidum	Fair		WOODLAND	R	REPLACE
1022	BC	10	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1023	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1024	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1025	WP	4	(Eastern) White Pine	Pinus strobus	Poor		WOODLAND	R	-
1026	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1027	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1028	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1029	RM	7	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
1030	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1031	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1032	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1033	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1034	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1035	E	11	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1036	SS	6	Sassafras	Sassafras albidum	Fair		WOODLAND	R	REPLACE
1037	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1038	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1039	RM	11	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1040	SS	9	Sassafras	Sassafras albidum	Poor		WOODLAND	R	REPLACE
1041	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1042	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1043	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1044	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1045	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1046	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1047	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1048	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1049	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1050	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1051	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1052	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1053	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1054	BC	7	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1055	BC	9	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1056	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1057	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1058	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1059	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1060	RO	15	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1061	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1062	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1063	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1064	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1065	RM	12	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
1066	RM	10	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
1067	BC	9	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1068	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1069	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1070	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1071	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1072	RM	14	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
1073	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1074	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1075	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1076	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1077	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1078	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1079	BC	4	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1080	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
1081	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1082	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1083	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1084	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1085	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1086	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1087	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1088	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1089	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1090	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1091	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1092	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1093	RO	5	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
1094	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1095	RO	12	Red Oak	Quercus rubra	Fair	x1	WOODLAND	R	REPLACE
1096	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1097	BC	18	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1098	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1099	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1100	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1101	E	6	American Elm	Ulmus americana	Poor		INVASIVE	R	-
1102	RM	8	Red Maple	Acer rubrum	Very Poor		WOODLAND	R	-
1103	RM	4	Red Maple	Acer rubrum	Very Poor		WOODLAND	R	-
1104	E	7	American Elm	Ulmus americana	Poor		INVASIVE	R	-
1105	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1106	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1107	RM	5	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
1108	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1109	RM	7	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
1110	E	11	American Elm	Ulmus americana	Poor		INVASIVE	R	-
1111	RO	14	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
1113	BC	8	Wild Black Cherry	Prunus serotina	Very Poor		WOODLAND	R	-
1112	NM	6	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
1114	NM	5	Norway Maple	Acer platanoides	Poor		WOODLAND	R	-
1115	NM	15	Norway Maple	Acer platanoides	Good		WOODLAND	R	REPLACE
1116	BO	25	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
1117	NM	12	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
1118	NM	10	Norway Maple	Acer platanoides	Fair		WOODLAND	R	REPLACE
1119	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1120	SU	8	Sugar Maple	Acer saccharum	Very Poor		WOODLAND	R	-
1121	BL	5	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
1122	WP	11	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1123	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1124	BP	5	Bradford Pear	Pyrus calleryana	Poor		WOODLAND	R	-
1125	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1126	WP	8	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1127	WP	14	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1128	WP	21	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1129	WP	16	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1130	WP	13	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1131	WP	18	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1132	WP	21	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1133	BC	21	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1134	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1135	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1136	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1137	BL	8	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
1138	WP	22	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1139	WP	19	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1140	WP	13	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1141	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1142	RO	8	Red Oak	Quercus rubra

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
1216	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1217	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1218	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1219	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1220	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1221	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1222	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1223	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1224	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1225	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1226	BC	7	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1227	RO	4	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
1228	RM	14	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1229	RM	8	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
1230	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1232	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1233	BC	14	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1231	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1234	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1235	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1236	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1237	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1238	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1239	RO	21	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1240	RM	14	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1241	WP	22	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1242	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1243	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1244	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1245	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1246	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1247	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1248	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1249	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1250	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1251	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1252	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1253	RO	21	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1254	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1255	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1256	RO	21	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1257	RO	13	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1258	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1259	BC	4	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
1260	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1261	RO	13	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1262	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1263	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1264	WP	19	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1265	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1266	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1267	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1268	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1269	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1270	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1271	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1272	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1273	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1274	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1275	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1276	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1277	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1278	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1279	RM	11	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
1280	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1281	RM	13	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1282	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1283	BC	7	Wild Black Cherry	Prunus serotina	Poor	x1	WOODLAND	R	-
1284	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1285	RM	24	Red Maple	Acer rubrum	Fair		LANDMARK	R	REPLACE
1286	RO	17	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1287	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1288	RO	19	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1289	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1290	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1291	BC	10	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1292	RM	7	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
1293	RM	10	Red Maple	Acer rubrum	Very Poor		WOODLAND	R	-
1294	RM	8	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
1295	RM	7	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
1296	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1297	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1298	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1299	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1300	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1301	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1302	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1303	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1304	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1305	RO	7	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1307	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1306	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1308	BO	22	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1309	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1310	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1311	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1312	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1313	RM	5	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
1314	RM	11	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1315	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1316	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1317	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1318	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1319	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1320	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1321	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1322	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1323	RM	9	Red Maple	Acer rubrum	Poor	x2	WOODLAND	R	-
1324	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1325	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1326	RO	23	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1327	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1328	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1329	BO	10	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1330	BO	14	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1331	RM	13	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1332	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1333	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1334	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1335	RM	6	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
1336	BO	21	Black Oak	Quercus velutina	Fair	x1	WOODLAND	R	REPLACE
1337	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1338	BC	4	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1339	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1340	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1341	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1342	RO	4	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1343	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1344	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1345	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1346	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1347	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1348	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1349	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1350	WP	7	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
1351	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1352	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1353	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1354	AP	5	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
1356	WP	25	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1355	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1357	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1358	BO	7	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1359	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1360	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1361	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1362	RO	13	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1363	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1364	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1366	BC	12	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1366	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1367	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1368	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1369	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1370	RO	23	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1371	BO	15	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1372	BO	13	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1373	BO	8	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1374	BO	12	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1375	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1376	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1377	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1378	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1379	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1380	BO	9	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1381	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1382	RO	15	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1383	RM	18	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
1384	BO	16	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1385	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1386	BO	7	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1387	RO	17	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1388	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1389	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1390	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1391	RO	19	Red Oak	Quercus rubra	Good	x1	WOODLAND	R	REPLACE
1392	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1393	RM	12	Red Maple	Acer rubrum	Poor	x1	WOODLAND	R	-
1394	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1395	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1396	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1397	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1398	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1399	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
			No #1400						
1401	BO	12	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1402	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1403	RO	15	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1404	BO	6	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1405	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1406	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1407	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1408	BC	8	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1409	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1410	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1411	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1412	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1413	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1414	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1415	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1416	AP	6	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
1417	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1418	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1419	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1420	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1421	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1422	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1423	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1424	RM	5	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	-
1425	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1426	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1427	BO	8	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1428	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1429	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1430	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1431	RO	6	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1432	RO	16	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1433	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1434	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1435	RO	10	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1436	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1437	BO	10	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1438	RO	18	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1439	BO	15	Black Oak	Quercus velutina	Good	x1	WOODLAND	R	REPLACE
1440	BO	10	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1441	RO	4	Red Oak	Quercus rubra	Good		WOODLAND	R	-
1442	BO	10	Black Oak	Quercus velutina	Good	x1	WOODLAND	R	REPLACE
1443	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1444	RO	6	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1445	RO	4	Red Oak	Quercus rubra	Good		WOODLAND	R	-
1446	RO	6	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1447	RO	5	Red Oak	Quercus rubra	Good		WOODLAND	R	-
1448	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1449	RO	4	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1450	BO	9	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1451	RO	13	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1452	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1453	RO	26	Red Oak	Quercus rubra	Good	x2	LANDMARK	R	REPLACE
1454	RO	7	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1455	RO	10	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1456	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1458	BO	14	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1457	RO	6	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1459	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1460	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1461	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1462	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1463	RO	7	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1464	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1465	BO	14	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1466	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1467	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1468	BO	13	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1469	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1470	BO	10	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1471	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1472	BC	5	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
1473	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1474	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1475	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1476	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1477	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1478	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1479	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1480	RO	18	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1481	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1482	BO	12	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1483	RO	13	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1484	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1485	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
1486	BO	5	Black Oak	Quercus velutina	Fair		WOODLAND	R	-
1487	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1488	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1489	RO	8	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1490	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1491	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1492	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1493	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1494	RO	11	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1495	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1496	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1497	RM	3	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1498	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1499	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1500	RO	11	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1501	BC	3	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1502	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1503	BC	3	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1504	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1505	RM	3	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1506	RM	9	Red Maple	Acer rubrum	Fair	x1	WOODLAND	R	REPLACE
1507	RM	12	Red Maple	Acer rubrum	Fair	x2	WOODLAND	R	REPLACE
1508	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1509	BC	12	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1510	BC	10	Wild Black Cherry	Prunus serotina	Poor	x2	WOODLAND	R	-
1511	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1512	BO	7	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1513	RO	13	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1514	BC	7	Wild Black Cherry	Prunus serotina	Poor	x1	WOODLAND	R	-
1515	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1516	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1517	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1518	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1519	BC	3	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1520	BC	9	Wild Black Cherry	Prunus serotina	Fair	x2	WOODLAND	R	REPLACE
1521	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
1522	BC	3	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1523	BC	3	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1524	RM	7	Red Maple	Acer rubrum	Good	x1	WOODLAND	R	REPLACE
1525	BO	10	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1526	RM	3	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1527	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1528	RM	4	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1529	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	-
1530	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1531	RM	6	Red Maple	Acer rubrum	Good		WOODLAND	R	-
1532	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1533	RM	21	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
1534	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1535	BO	14	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1536	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1537	RO	12	Red Oak	Quercus rubra	Good	x1	WOODLAND	R	REPLACE
1538	RO	10	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1539	BO	13	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1540	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1541	BO	9	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1542	BO	14	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1543	BC	7	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
1544	RO	13	Red Oak

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
1621	SU	10	Sugar Maple	Acer saccharum	Poor		WOODLAND	R	-
1622	RO	32	Red Oak	Quercus rubra	Fair		LANDMARK	R	REPLACE
1623	BP	16	Bradford Pear	Pyrus calleryanna	Very Poor		WOODLAND	R	-
1624	WO	54	White Oak	Quercus alba	Fair		LANDMARK	R	REPLACE
1625	BO	30	Black Oak	Quercus velutina	Poor	1	LANDMARK	R	-
1626	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1627	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1628	RO	14	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1629	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1630	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1631	RM	6	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
1632	RO	17	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1633	E	12	American Elm	Ulmus americana	Poor		INVASIVE	R	-
1634	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1635	E	15	American Elm	Ulmus americana	Poor		INVASIVE	R	-
1636	B	27	Basswood	Tilia americana	Good		LANDMARK	R	REPLACE
1637	RO	9	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
1638	WO	29	White Oak	Quercus alba	Fair		LANDMARK	R	REPLACE
1639	WO	32	White Oak	Quercus alba	Fair		LANDMARK	R	REPLACE
1640	WO	36	White Oak	Quercus alba	Good		LANDMARK	R	REPLACE
1641	BO	26	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
1642	BO	15	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1643	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1644	BO	9	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1645	WO	28	White Oak	Quercus alba	Good		LANDMARK	R	REPLACE
1646	SU	9	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
1647	BO	15	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1648	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
1649	AP	10	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
1650	WO	42	White Oak	Quercus alba	Poor		LANDMARK	R	-
1651	BO	16	Black Oak	Quercus velutina	Very Poor	1	WOODLAND	R	-
1652	BX	10	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
1653	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1654	TH	7	Thornapple/Hawthorne	Crataegus spp.	Very Poor		WOODLAND	R	-
1655	SM	13	Silver Maple	Acer saccharinum	Good		INVASIVE	R	-
1656	SU	14	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
1657	SU	12	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
1658	RO	9	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
1659	WA	7	White Ash	Fraxinus americana	Poor		INVASIVE	R	-
1660	SM	10	Silver Maple	Acer saccharinum	Fair		INVASIVE	R	-
1661	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1662	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1663	WO	32	White Oak	Quercus alba	Good		LANDMARK	R	REPLACE
1664	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1665	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1666	SU	7	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
1667	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
1668	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1669	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1670	RO	18	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1671	SU	18	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
1672	RO	21	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1673	RO	5	Red Oak	Quercus rubra	Good		WOODLAND	R	-
1674	RO	18	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1675	YB	14	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE
1676	SU	14	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
1677	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
1678	BO	24	Black Oak	Quercus velutina	Good		LANDMARK	R	REPLACE
1679	SU	14	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
1680	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1681	WO	23	White Oak	Quercus alba	Poor		WOODLAND	R	-
1682	BO	16	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1683	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1684	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1685	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1686	BO	19	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1687	WO	16	White Oak	Quercus alba	Good		WOODLAND	R	REPLACE
1688	SU	18	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
1689	WO	19	White Oak	Quercus alba	Good		WOODLAND	R	REPLACE
1690	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1691	RO	14	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1692	RO	13	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1693	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1694	WO	7	White Oak	Quercus alba	Good		WOODLAND	R	-
1695	BO	6	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1696	NM	6	Norway Maple	Acer platanoides	Good		WOODLAND	R	-
1697	SU	6	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
1698	RO	18	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1699	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1700	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1701	RM	14	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
1702	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1703	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1704	BO	21	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1705	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1706	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1707	BC	8	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
1708	BO	12	Black Oak	Quercus velutina	Poor		WOODLAND	R	REPLACE
1709	BO	13	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1710	BO	10	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1711	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1712	RO	8	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1713	RO	18	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1714	BO	16	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1715	BC	8	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
1716	RO	14	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1717	BO	7	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1718	BO	8	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1719	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	-
1720	RO	17	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1721	BO	17	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1722	BO	16	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1723	RO	18	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1724	RO	7	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
1725	RO	42	Red Oak	Quercus rubra	Poor		LANDMARK	R	-
1726	RO	7	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1727	BO	9	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1728	RO	6	Red Oak	Quercus rubra	Good		WOODLAND	R	-
1729	RO	14	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1730	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1731	BO	6	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1732	BO	8	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1733	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1734	BO	7	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1735	BO	12	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1736	RO	16	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
1737	RM	6	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
1738	RO	8	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1739	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1740	BO	16	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1741	BO	13	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1742	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1743	RO	9	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1744	RO	5	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1745	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1746	YB	10	Yellow Birch	Betula alleghaniensis	Good		WOODLAND	R	REPLACE
1747	SU	18	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
1748	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	REPLACE
1749	RO	14	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1750	BO	12	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1751	BO	12	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
			No #1752 (NP)						
1753	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1754	WA	6	White Ash	Fraxinus americana	Fair		INVASIVE	R	-
1755	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
1756	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
1757	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1758	RO	38	Red Oak	Quercus rubra	Good		LANDMARK	R	REPLACE
1759	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1760	BO	5	Black Oak	Quercus velutina	Good		WOODLAND	R	-
1761	RM	4	Red Maple	Acer rubrum	Good		WOODLAND	R	-
1762	PO	7	Pin Oak	Quercus palustris	Good		WOODLAND	R	REPLACE
1763	BP	5	Bradford Pear	Pyrus calleryanna	Poor		WOODLAND	R	-
1764	WA	8	White Ash	Fraxinus americana	Fair		INVASIVE	R	-
1765	RM	7	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
1766	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1767	YB	17	Yellow Birch	Betula alleghaniensis	Good		WOODLAND	R	REPLACE
1768	BO	7	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1769	BP	7	Bradford Pear	Pyrus calleryanna	Very Poor		WOODLAND	R	-
1770	RO	13	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1771	BP	7	Bradford Pear	Pyrus calleryanna	Poor		WOODLAND	R	-
1772	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1773	RO	15	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1774	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	-
1775	CT	29	Cottonwood	Populus deltoides	Good		INVASIVE	R	-
1776	CT	20	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1777	BO	7	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1778	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1779	YB	15	Yellow Birch	Betula alleghaniensis	Good		WOODLAND	R	REPLACE
1780	E	19	American Elm	Ulmus americana	Good		INVASIVE	R	-
1781	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1782	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1783	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1784	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1785	RO	25	Red Oak	Quercus rubra	Fair		LANDMARK	R	REPLACE
1786	YB	14	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE
1787	BL	7	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	REPLACE
1788	BX	8	Box elder	Acer negundo	Fair		INVASIVE	R	-
1789	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1790	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1791	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1792	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1793	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1794	BX	12	Box elder	Acer negundo	Fair		INVASIVE	R	-
1795	BC	7	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1796	BC	7	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1797	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1798	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1799	CT	16	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1800	CT	38	Cottonwood	Populus deltoides	Good		INVASIVE	R	-
1801	RO	6	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1802	CT	15	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1803	BO	12	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1804	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1805	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1806	RO	7	Red Oak	Quercus rubra	Good		WOODLAND	R	-
1807	BX	7	Box elder	Acer negundo	Fair		INVASIVE	R	-
1808	BX	8	Box elder	Acer negundo	Fair		INVASIVE	R	-
1809	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1810	CT	26	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1811	RO	7	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1812	CT	12	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1813	BO	23	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1814	BO	7	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1815	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1816	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1817	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1818	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1819	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1820	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1821	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1822	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1823	BO	7	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
1824	CT	34	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1825	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1826	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1827	PO	13	Pin Oak	Quercus palustris	Good		WOODLAND	R	REPLACE
1828	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1829	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1830	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1831	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1832	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1833	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1834	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1835	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1836	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1837	RM	12	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
1838	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1839	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1840	BO	9	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1841	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1842	RM	8	Red Maple	Acer rubrum	Good	x1	WOODLAND	R	REPLACE
1843	PW	6	White Poplar	Populus alba	Fair		INVASIVE	R	-
1844	RM	7	Red Maple	Acer rubrum	Good	x1	WOODLAND	R	-
1845	BO	10	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
1846	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1847	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1848	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1849	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1850	BP	5	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	-
1851	RO	9	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1852	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1853	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1854	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1855	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1856	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1857	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
1858	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1859	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1860	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1861	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1862	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1863	RO	13	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1864	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1865	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1866	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1867	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	-
1868	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1869	BC	9	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1870	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1871	BP	7	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	REPLACE
1872	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1873	YB	8	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE
1874	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1875	BP	5	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	-
1876	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1877	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1878	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1879	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1880	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
1881	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1882	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1883	CT	10	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1884	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1885	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1886	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1887	WP	13	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
1888	YB	10	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE
1889	YB	12	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE
1890	YB	10	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
1891	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1892	YB	10	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE
1893	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1894	BC	12	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1895	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1896	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1897	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1898	RO	9	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1899	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1900	BP	5	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	-
1901	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1902	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1904	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1905	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1905	BC	19	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1906	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1907	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1908	CT	10	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1909	RO	28	Red Oak	Quercus rubra	Good		LANDMARK	R	REPLACE
1910	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
1911	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1912	CT	29	Cottonwood	Populus deltoides	Good		INVASIVE	R	-
1913	PW	9	White Poplar	Populus alba	Fair		INVASIVE	R	-
1914	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1915	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
1916	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1917	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1918	AP	7	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
1919	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1920	AP	7	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
1921	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1922	AP	7	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
1923	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1924	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
1925	BP	8	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	REPLACE
1926	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1927	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	REPLACE
1928	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
1929	PN	6	Pin Cherry	Prunus pennsylvanica	Fair		WOODLAND	R	REPLACE
1930	TH	7	Thornapple/Hawthorne	Crataegus spp.	Fair		WOODLAND	R	REPLACE
1931	CT	11	Cottonwood	Populus deltoides	Fair		INVASIVE	R	-
1932	TH	7	Thornapple/Hawthorne	Crataegus spp.	Fair		WOODLAND	R	REPLACE
1933	BP	13	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	REPLACE
1934	BC	13	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
1935	BP	7	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	REPLACE
1936	BP	7	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	REPLACE
1938	AP	6	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
1937	AP	8	Domestic Apple	Malus sylvestris	Fair	x1	WOODLAND	R	REPLACE
1939	BP	7	Bradford Pear	Pyrus calleryanna	Fair		WOODLAND	R	REPLACE
1940	BP	8	Bradford Pear	Pyrus calleryanna	Fair	x1	WOODLAND	R	REPLACE
1941	AP	7	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
1942	AP	7	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
1943	RO	18	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLAC

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
2242	BP	4	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	-
2243	BO	19	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
2244	BP	15	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	REPLACE
2245	BO	6	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2246	BO	8	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2247	BO	22	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2248	BO	17	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2249	BO	4	Black Oak	Quercus velutina	Good		WOODLAND	R	-
2250	BO	26	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
2251	BC	8	Wild Black Cherry	Prunus serotina	Fair	x2	WOODLAND	R	REPLACE
2252	RO	7	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2253	RO	7	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2254	AP	6	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
2255	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2256	BC	8	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2257	PW	8	White Poplar	Populus alba	Good		INVASIVE	R	-
2258	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2259	BC	22	Wild Black Cherry	Prunus serotina	Good	x3	WOODLAND	R	REPLACE
2260	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2261	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2262	PW	4	White Poplar	Populus alba	Good		INVASIVE	R	-
2263	PW	8	White Poplar	Populus alba	Fair		INVASIVE	R	-
2264	PW	9	White Poplar	Populus alba	Good		INVASIVE	R	-
2265	PW	7	White Poplar	Populus alba	Good		INVASIVE	R	-
2266	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2267	BC	4	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
2268	PW	6	White Poplar	Populus alba	Good		INVASIVE	R	-
2269	PW	7	White Poplar	Populus alba	Good		INVASIVE	R	-
2270	PW	9	White Poplar	Populus alba	Good		INVASIVE	R	-
2271	PW	7	White Poplar	Populus alba	Good		INVASIVE	R	-
2272	PW	7	White Poplar	Populus alba	Good		INVASIVE	R	-
			No #2273 (tag)						
2274	PW	4	White Poplar	Populus alba	Good		INVASIVE	R	-
2275	PW	7	White Poplar	Populus alba	Good		INVASIVE	R	-
2276	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2277	RO	4	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
2278	PW	7	White Poplar	Populus alba	Good		INVASIVE	R	-
2279	PW	4	White Poplar	Populus alba	Good		INVASIVE	R	-
2280	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2281	PW	6	White Poplar	Populus alba	Good		INVASIVE	R	-
2282	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2283	PW	8	White Poplar	Populus alba	Good		INVASIVE	R	-
2284	PW	7	White Poplar	Populus alba	Good		INVASIVE	R	-
2285	PW	6	White Poplar	Populus alba	Fair		INVASIVE	R	-
2286	PW	6	White Poplar	Populus alba	Good		INVASIVE	R	-
2287	PW	4	White Poplar	Populus alba	Good		INVASIVE	R	-
2288	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2289	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2290	PW	9	White Poplar	Populus alba	Good		INVASIVE	R	-
2291	PW	8	White Poplar	Populus alba	Good		INVASIVE	R	-
2292	PW	8	White Poplar	Populus alba	Good		INVASIVE	R	-
2293	BC	8	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2294	RM	7	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2295	AP	8	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
2296	WP	28	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2297	BO	8	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
2298	SU	12	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2299	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2300	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2301	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2302	BO	10	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
2303	E	6	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2304	BC	7	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2305	BL	5	Black Locust	Robinia pseudoacacia	Fair		WOODLAND	R	-
2306	RO	7	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2307	RM	9	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2308	BC	6	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2309	E	9	American Elm	Ulmus americana	Good		INVASIVE	R	-
2310	BC	28	Wild Black Cherry	Prunus serotina	Fair	x8	LANDMARK	R	REPLACE
2311	PO	9	Pin Oak	Quercus palustris	Fair		WOODLAND	R	REPLACE
2312	BC	7	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2313	E	5	American Elm	Ulmus americana	Good		INVASIVE	R	-
2314	E	4	American Elm	Ulmus americana	Good		INVASIVE	R	-
2315	BC	9	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2316	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2317	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2318	AP	8	Domestic Apple	Malus sylvestris	Poor	x3	WOODLAND	R	-
2319	BC	9	Wild Black Cherry	Prunus serotina	Poor	x2	WOODLAND	R	-
2320	BC	5	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2321	BC	8	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2322	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2323	WP	18	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2324	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2325	RM	7	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2326	PO	6	Pin Oak	Quercus palustris	Good		WOODLAND	R	REPLACE
2327	BO	8	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
2328	RO	4	Red Oak	Quercus rubra	Good		WOODLAND	R	-
2329	BC	7	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2330	E	7	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2331	BC	10	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2332	WP	16	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2333	RM	10	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2334	WP	21	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2335	BL	8	Black Locust	Robinia pseudoacacia	Good		WOODLAND	R	REPLACE
2336	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2337	E	8	American Elm	Ulmus americana	Good		INVASIVE	R	-
2338	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2339	WP	16	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2340	WP	16	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2341	WP	14	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2342	RM	7	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2343	AP	6	Domestic Apple	Malus sylvestris	Poor	x5	INVASIVE	R	-
2344	BC	14	Wild Black Cherry	Prunus serotina	Good	x1	WOODLAND	R	REPLACE
2345	BC	5	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
2346	BC	8	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2347	WP	9	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2348	BC	14	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2349	BC	8	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2350	WP	17	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2351	BC	7	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2352	BC	14	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2353	RO	23	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2354	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2355	BL	12	Black Locust	Robinia pseudoacacia	Poor		WOODLAND	R	-
2356	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2357	BC	14	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2358	BC	12	Wild Black Cherry	Prunus serotina	Good	x1	WOODLAND	R	REPLACE
2359	WP	11	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2360	WP	10	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2361	WP	16	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2362	WP	14	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2363	BX	21	Box elder	Acer negundo	Poor		INVASIVE	R	-
2364	AP	6	Domestic Apple	Malus sylvestris	Fair	x2	WOODLAND	R	REPLACE
2365	BO	4	Black Oak	Quercus velutina	Good	x1	WOODLAND	R	-
2366	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2367	RO	9	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2368	BC	8	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2369	WO	5	White Oak	Quercus alba	Good		WOODLAND	R	-
2370	BO	12	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2371	RO	9	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2372	RO	10	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2373	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2374	BO	6	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
2375	BO	12	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
2376	WP	16	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2377	BC	11	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
2378	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2379	RO	10	Red Oak	Quercus rubra	Good	x2	WOODLAND	R	REPLACE
2380	BO	4	Black Oak	Quercus velutina	Good		WOODLAND	R	-
2381	BO	5	Black Oak	Quercus velutina	Good		WOODLAND	R	-
2382	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
2383	RO	10	Red Oak	Quercus rubra	Good	x3	WOODLAND	R	REPLACE
2384	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2385	RO	4	Red Oak	Quercus rubra	Good		WOODLAND	R	-
2386	BO	5	Black Oak	Quercus velutina	Fair		WOODLAND	R	-
2387	BC	8	Black Oak	Quercus velutina	Good	x2	WOODLAND	R	REPLACE
2388	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2389	BC	13	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2390	BO	20	Black Oak	Quercus velutina	Good	x2	WOODLAND	R	REPLACE
2391	BX	12	Box elder	Acer negundo	Fair		INVASIVE	R	-
2392	BP	7	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	REPLACE
2393	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2394	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2395	TH	7	Thornapple/Hawthorne	Crataegus spp.	Fair		WOODLAND	R	REPLACE
2396	BC	14	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2397	WP	16	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2398	RM	9	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2399	BO	5	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2400	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2401	BC	5	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	-
2402	BC	19	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
2403	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2404	BP	10	Bradford Pear	Pyrus calleryana	Fair	x2	WOODLAND	R	REPLACE
2405	BX	6	Box elder	Acer negundo	Poor	x1	INVASIVE	R	-
2406	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2407	BO	27	Black Oak	Quercus velutina	Fair		LANDMARK	R	REPLACE
2408	RM	12	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2409	BC	7	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2410	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2411	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2412	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2413	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2414	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2415	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2416	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2417	RM	11	Red Maple	Acer rubrum	Good	x2	WOODLAND	R	REPLACE
2418	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2419	BC	8	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
2420	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2421	RM	11	Red Maple	Acer rubrum	Good	x1	WOODLAND	R	REPLACE
2422	BC	11	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2423	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2424	PW	5	White Poplar	Populus alba	Good		INVASIVE	R	-
2425	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2426	BO	16	Black Oak	Quercus velutina	Fair		WOODLAND	R	-
2427	RM	13	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
2428	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2429	BO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2430	BX	11	Box elder	Acer negundo	Fair		INVASIVE	R	-
2431	RM	13	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2432	BX	14	Box elder	Acer negundo	Fair		INVASIVE	R	-
2433	BX	11	Box elder	Acer negundo	Fair		INVASIVE	R	-
2434	BX	13	Box elder	Acer negundo	Fair		INVASIVE	R	-
2435	BX	8	Box elder	Acer negundo	Fair		INVASIVE	R	-
2436	AP	5	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	-
2437	BO	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2438	RO	14	Red Oak	Quercus rubra	Fair	x2	WOODLAND	R	REPLACE
2439	BX	13	Box elder	Acer negundo	Fair		INVASIVE	R	-
2440	BX	30	Box elder	Acer negundo	Good		INVASIVE	R	-
2441	BX	14	Box elder	Acer negundo	Poor		INVASIVE	R	-
2442	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2443	BX	13	Box elder	Acer negundo	Fair		INVASIVE	R	-
2444	BX	10	Box elder	Acer negundo	Poor		INVASIVE	R	-
2445	AP	6	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
2446	BX	8	Box elder	Acer negundo	Very Poor		INVASIVE	R	-
2447	BX	10	Box elder	Acer negundo	Fair		INVASIVE	R	-
2448	AP	4	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	-
2449	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2450	AP	6	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
2451	AP	10	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
2452	RM	11	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2453	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2454	BO	6	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2455	BC	8	Wild Black Cherry	Prunus serotina	Poor	x1	WOODLAND	R	-
2456	BC	8	Wild Black Cherry	Prunus serotina	Poor	x1	WOODLAND	R	-
2457	RM	8	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
2458	RM	30	Red Maple	Acer rubrum	Fair	x2	LANDMARK	R	REPLACE
2459	BC	6	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2460	RO	20	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2461	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2462	BC	11	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2463	RO	8	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2464	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2465	BC	12	Wild Black Cherry	Prunus serotina	Poor	x1	WOODLAND	R	-
2466	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2467	BC	4	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2468	RM	9	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2469	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2470	BO	14	Black Oak	Quercus velutina	Good		WOODLAND	R	REPLACE
2471	BC	5	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	-
2472	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2473	BC	12	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
2474	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2475	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2476	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2477	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2478	RM	5	Red Maple	Acer rubrum	Fair		WOODLAND	R	-
2479	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2480	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2481	RM	10	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2482	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2483	RM	4	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2484	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2485	BC	10	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2486	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2487	BP	7	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	REPLACE
2488	RM	10	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2489	RM	4	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2490	RM	12	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2491	RM	11	Red Maple	Acer rubrum	Good	x1	WOODLAND	R	REPLACE
2492	RO	13	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2493	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2494	RM	12	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2495	RM	10	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2496	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2497	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2498	RM	7	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2499	BP	12	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	REPLACE
2500	RO	22	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2501	AP	5	Domestic Apple	Malus sylvestris	Good		WOODLAND	R	-
2502	RM	20	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2503	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2504	BX	15	Box elder	Acer negundo	Fair		INVASIVE	R	-
2505	SU	24	Sugar Maple	Acer saccharum	Good		LANDMARK	R	REPLACE
2506	BC	22	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2507	RO	22	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2508	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2509	RM	11	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2510	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2511	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2512	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
2513	RM	11	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2514	AP	5	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
2515	RM	22	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2516	RM	12	Red Maple	Acer rubrum	Fair	r	WOODLAND	R	REPLACE
2517	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2518	RM	7	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
2519	RO	14	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2520	BP	8	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	REPLACE
2521	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2522	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2523	BC	12	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2524	BX	7	Box elder	Acer negundo	Poor		INVASIVE	R	-
2525	PW	16	White Poplar	Populus alba	Good		INVASIVE	R	-
2526	BO	7	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2527	BC	25	Wild Black Cherry	Prunus serotina	Fair		LANDMARK	R	REPLACE
2528	RM	12	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2529	BO	14	Black Oak	Quercus velutina	Poor		WOODLAND	R	-
2530	RO	14	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
2531	RO	11	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
2532	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2533	WP	22	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2534	RO	12	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2535	BC	22	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2536	YB	14	Yellow Birch	Betula alleghaniensis	Poor		WOODLAND	R	-
2537	AP	5	Domestic Apple	Malus sylvestris	Fair	x4	WOODLAND	R	-
2538	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2539	BC	18	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2540	AP	4	Domestic Apple	Malus sylvestris	Fair	x1	WOODLAND	R	-
2541	BP	8	Bradford Pear	Pyrus calleryana	Poor		WOODLAND	R	-
2542	BC	20	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2543	AP	8	Domestic Apple	Malus sylvestris	Poor	x1	WOODLAND	R	-
2544	RO	28	Red Oak	Quercus rubra	Good		LANDMARK	R	REPLACE
2545	AP	5	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
2546	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2547	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2548	BP	11	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	REPLACE
2549	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2550	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2551	BP	14	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	REPLACE
2552	BP	12	Bradford Pear	Pyrus calleryana	Fair		WOODLAND	R	REPLACE
2553	BO	13	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2554	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
2555	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2556	BC	9	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
2557	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2558	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2559	BX	12	Box elder	Acer negundo	Fair		INVASIVE	R	-
2560	RM	12	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2561	RM	4	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2562	RM	5	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2563	E	17	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2564	AP	7	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	REPLACE
2565	E	12	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2566	WP	24	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2567	RM	4	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2568	RO	12	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2569	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2570	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2571	BC

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
2648	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2649	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2650	RO	22	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2651	RO	18	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2652	RO	10	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2653	RO	11	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2654	AP	5	Domestic Apple	Malus sylvestris	Good		WOODLAND	R	-
2655	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2656	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2657	AP	5	Domestic Apple	Malus sylvestris	Fair		WOODLAND	R	-
2658	RO	18	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2659	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2660	AP	9	Domestic Apple	Malus sylvestris	Good		WOODLAND	R	REPLACE
2661	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2662	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2664	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2665	RO	5	Red Oak	Quercus rubra	Fair		WOODLAND	R	-
2666	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2667	BC	12	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
2668	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2669	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2670	RM	10	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
2671	RM	11	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2672	E	10	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2673	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2674	SU	14	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
2675	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2676	RM	8	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2677	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2678	E	4	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2678	WP	22	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2680	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2681	WP	30	(Eastern) White Pine	Pinus strobus	Good		LANDMARK	R	REPLACE
2682	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2683	WP	30	(Eastern) White Pine	Pinus strobus	Good		LANDMARK	R	REPLACE
2684	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2686	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2686	BC	10	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2687	RM	15	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2688	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2689	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2690	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2691	E	10	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2692	E	8	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2693	WP	30	(Eastern) White Pine	Pinus strobus	Good		LANDMARK	R	REPLACE
2694	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2695	WP	10	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2696	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2697	SU	8	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2698	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2699	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2700	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2701	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2702	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2703	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2704	RM	14	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2705	WP	9	(Eastern) White Pine	Pinus strobus	Good	x1	WOODLAND	R	REPLACE
2706	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2707	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2708	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2709	RM	14	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2710	WP	24	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2711	RO	12	Red Oak	Quercus rubra	Poor		WOODLAND	R	-
2712	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2713	WP	10	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2714	WP	12	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2715	RO	14	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2716	E	4	American Elm	Ulmus americana	Dead		INVASIVE	R	-
2717	WP	16	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2718	WP	24	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2719	SU	12	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2720	WP	25	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2721	WP	12	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2722	SU	13	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2723	BC	14	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2724	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2725	WP	16	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2726	WP	15	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2727	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2728	SU	14	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2729	BC	9	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2730	WP	5	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	-
2731	WP	4	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	-
2732	WP	5	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	-
2733	SU	13	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
2734	SU	13	Sugar Maple	Acer saccharum	Dead		WOODLAND	R	REPLACE
2735	BC	12	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2736	WP	8	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2737	BC	16	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2738	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2739	PO	15	Pin Oak	Quercus palustris	Good		WOODLAND	R	REPLACE
2740	SU	18	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
2741	RO	7	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2742	YB	12	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE
2743	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2744	RM	14	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2745	BO	16	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2746	SU	10	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2747	SU	13	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
2748	RO	9	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2749	SU	9	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
2750	PO	15	Pin Oak	Quercus palustris	Good		WOODLAND	R	REPLACE
2751	SU	18	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2752	SU	13	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2753	RO	15	Red Oak	Quercus rubra	Good		WOODLAND	R	REPLACE
2754	SU	13	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2755	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2756	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2757	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2758	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2759	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2760	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2761	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2762	RM	11	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2763	AP	12	Domestic Apple	Malus sylvestris	Poor		WOODLAND	R	-
2764	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2765	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2766	RM	10	Red Maple	Acer rubrum	Poor		WOODLAND	R	-
2767	E	6	American Elm	Ulmus americana	Good		INVASIVE	R	-
2768	YB	9	Yellow Birch	Betula alleghaniensis	Fair		WOODLAND	R	REPLACE
2769	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2770	YB	9	Yellow Birch	Betula alleghaniensis	Good		WOODLAND	R	REPLACE
2771	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2772	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2773	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2774	BC	11	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2775	RM	4	Red Maple	Acer rubrum	Good		WOODLAND	R	-
2776	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2777	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2778	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2779	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2780	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2781	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2782	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
2783	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2784	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2785	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2786	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2787	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2788	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2789	BC	8	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
2790	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2791	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2792	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2793	E	4	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2794	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2795	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2796	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2797	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2798	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2799	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2800	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2801	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2802	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2803	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2804	WP	40	(Eastern) White Pine	Pinus strobus	Good		LANDMARK	R	REPLACE
2805	E	4	American Elm	Ulmus americana	Good		INVASIVE	R	-
2806	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2807	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2808	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2809	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2810	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2811	WP	28	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2812	WP	18	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2813	SU	12	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	REPLACE
2814	E	4	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2815	BC	5	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2816	RM	10	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2817	WP	22	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2818	RO	14	Red Oak	Quercus rubra	Fair		WOODLAND	R	REPLACE
2819	RM	15	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2820	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2821	SU	8	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2822	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2823	BC	13	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2824	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2825	RM	6	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2826	RM	9	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2827	SM	11	Silver Maple	Acer saccharinum	Fair		INVASIVE	R	-
2828	SM	12	Silver Maple	Acer saccharinum	Fair		INVASIVE	R	-
2829	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2830	WP	7	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2831	WP	23	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2832	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2833	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2834	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2835	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2836	BC	10	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2837	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2838	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2839	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2840	SU	8	Sugar Maple	Acer saccharum	Fair		WOODLAND	R	-
2841	E	9	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2842	WP	14	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2843	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2844	SU	12	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2845	WP	30	(Eastern) White Pine	Pinus strobus	Good		LANDMARK	R	REPLACE
2846	E	12	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2847	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2848	WP	12	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2849	WP	12	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2850	WP	18	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2851	WP	18	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2852	SU	8	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2853	RM	14	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2854	RM	14	Red Maple	Acer rubrum	Good		WOODLAND	R	REPLACE
2855	BC	16	Wild Black Cherry	Prunus serotina	Fair	x2	WOODLAND	R	REPLACE
2856	RM	8	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2857	RM	7	Red Maple	Acer rubrum	Fair		WOODLAND	R	REPLACE
2858	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2859	WP	9	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2860	WP	20	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2861	E	5	American Elm	Ulmus americana	Good		INVASIVE	R	-
2862	E	7	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2863	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2864	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2865	BC	14	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2866	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2867	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2868	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2869	BC	9	Wild Black Cherry	Prunus serotina	Poor		WOODLAND	R	-
2870	WP	24	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2871	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2872	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2873	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2874	BC	22	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2875	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2876	WP	16	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2877	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2878	WP	16	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2879	BC	11	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2880	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2881	WP	14	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2882	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2883	BC	4	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2884	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2885	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2886	SU	12	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2887	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2888	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2889	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2890	WP	20	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2891	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2892	WP	14	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2893	WP	22	(Eastern) White Pine	Pinus strobus	Fair		WOODLAND	R	REPLACE
2894	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2895	BC	10	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2896	WP	30	(Eastern) White Pine	Pinus strobus	Good		LANDMARK	R	REPLACE
2897	SU	8	Sugar Maple	Acer saccharum	Good		WOODLAND	R	-
2898	BC	12	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2899	BO	10	Black Oak	Quercus velutina	Fair		WOODLAND	R	REPLACE
2900	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2901	WP	21	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2902	SU	15	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2903	WP	18	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2904	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2905	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2906	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2907	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2908	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2909	BC	7	Wild Black Cherry	Prunus serotina	Good		WOODLAND	R	REPLACE
2910	E	6	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2911	NM	16	Norway Maple	Acer platanoides	Good		WOODLAND	R	REPLACE
2912	E	7	American Elm	Ulmus americana	Good		INVASIVE	R	-
2913	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2914	BC	6	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2915	PW	8	White Poplar	Populus alba	Good		INVASIVE	R	-
2916	PW	7	White Poplar	Populus alba	Fair		INVASIVE	R	-
2917	PW	8	White Poplar	Populus alba	Fair		INVASIVE	R	-

TAG NO.	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	CLASS	SAVE / REMOVE	REPLACEMENT
2918	PW	8	White Poplar	Populus alba	Fair		INVASIVE	R	-
2919	PW	9	White Poplar	Populus alba	Good		INVASIVE	R	-
2920	BC	9	Wild Black Cherry	Prunus serotina	Fair	x3	WOODLAND	R	REPLACE
2921	BC	9	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2922	BC	8	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2923	E	5	American Elm	Ulmus americana	Good		INVASIVE	R	-
2924	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2925	E	7	American Elm	Ulmus americana	Poor		INVASIVE	R	-
2926	WP	28	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2927	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2928	E	5	American Elm	Ulmus americana	Good		INVASIVE	R	-
2929	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2930	RO	5	Red Oak	Quercus rubra	Good		WOODLAND	R	-
2931	WP	23	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2932	WP	14	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2933	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2934	BC	5	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	-
2935	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2936	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2936	BC	14	Wild Black Cherry	Prunus serotina	Fair	x1	WOODLAND	R	REPLACE
2937	E	5	American Elm	Ulmus americana	Good		INVASIVE	R	-
2938	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2939	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2940	WP	23	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2941	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2942	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2943	BC	7	Wild Black Cherry	Prunus serotina	Fair		WOODLAND	R	REPLACE
2944	WP	12	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2945	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2946	E	7	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2947	E	6	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2948	E	5	American Elm	Ulmus americana	Fair		INVASIVE	R	-
2949	WP	28	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2950	WP	27	(Eastern) White Pine	Pinus strobus	Good		WOODLAND	R	REPLACE
2951	SU	19	Sugar Maple	Acer saccharum	Good		WOODLAND	R	REPLACE
2952	E	4	American Elm	Ulmus americana	Fair		INVASIVE	R	-

WOODLAND TREES FAIR OR BETTER CONDITION

WOODLAND TREES REMOVED: **865** (REPLACE AT 1 to 1 Ratio @ 2")

WOODLAND TREES SAVED: 0 (CREDIT OF 2X DBH)

0 DBH x 2 = " CREDIT

0 - 0 = 0

865 2" TREES REQUIRED FOR REPLACEMENT

LANDMARK TREES

LANDMARK TREES REMOVED: 34 (REPLACE AT 100% OF REMOVED D

995" DBH x 1 = **995"** REPLACEMENT

LANDMARK TREES SAVED: 0 (CREDIT OF 2X DBH)

" DBH x 2 = " CREDIT

995 - 0 = 995

995 " DBH REQUIRED FOR REPLACEMENT

248.75 4" Trees required for Replacement

NO.	BY	CHG	DESCRIPTION	DATE

REVISIONS

STATE OF MICHIGAN
JANET L. EVANS
LANDSCAPE ARCHITECT
No. 1301
LICENSED
PROFESSIONAL

CAUTION!!!

THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS PLAN ARE BASED ON RECORDS OF THE UTILITIES TO BE APPROXIMATELY OR APPROX IN THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LIVE UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

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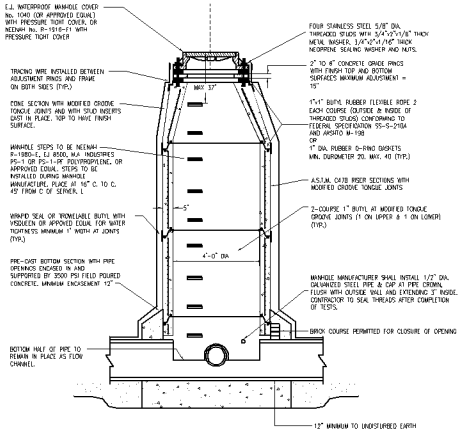
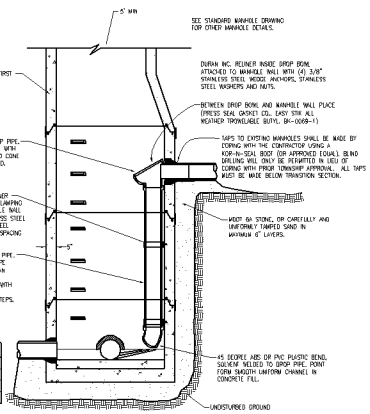
CONSTRUCTION CONTRACTOR CLAIMS THAT IT RELIES ONLY ON GENERALLY ACCEPTED CONTRACTUAL AND REGULATORY DOCUMENTS. CONTRACTOR ACCEPTS ALL RISK, LIABILITY AND SOLE AND EXCLUSIVE RESPONSIBILITY FOR ANY SITE CONDITIONS DURING THE COURSE OF CONSTRUCT



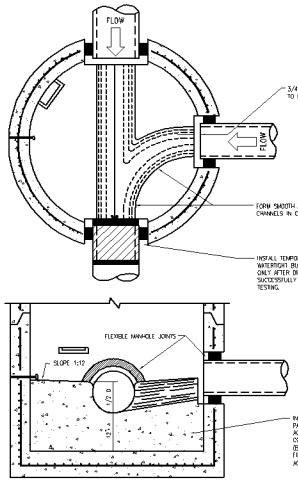
MINIMUM MANHOLE REQUIREMENTS ON MANHOLES CONSTRUCTED OVER EXISTING SEWERS

FOR LOCAL SANITARY SEWER EXTENSIONS CONNECTING DIRECTLY OR INDIRECTLY TO OAKLAND COUNTY DRAIN COMMISSION SEWER



SEWER SIZE	DROP SIZE	WH. SIZE (I.D.)
UP TO 18"	8"	5'
UP TO 18"	12"	5'
UP TO 30"	15"	6'
UP TO 42"	24"	8'

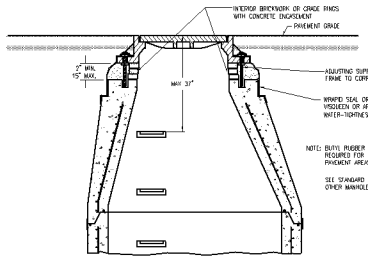
INTERNAL DROP MANHOLE CONNECTION



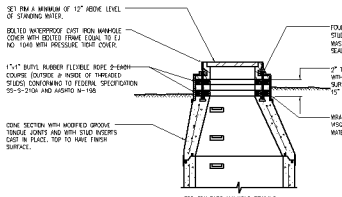
SUMP MANHOLE FOR TESTING, CLEANING & DEWATERING

SANITARY SEWER CONSTRUCTION NOTES

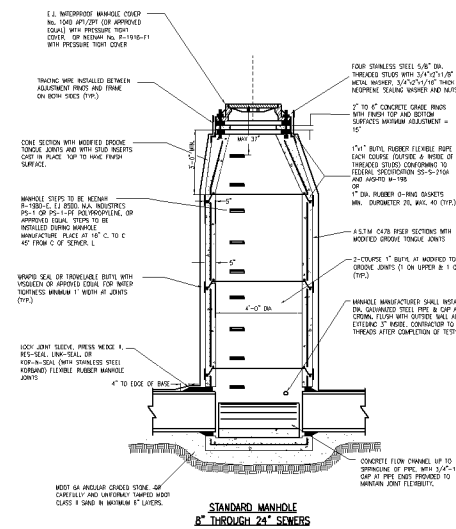
1. All construction shall conform to the current standards and specifications of the Charter Township of Orion and the Oakland County Water Resource Commissioner (O.C.W.R.C.). All sanitary sewer construction shall have full-time inspection directed by a professional engineer provided by, or caused to be provided by, the Charter Township of Orion.
2. All connections to O.C.W.R.C. sewers or to extensions thereto, and before the start of construction, the Contractor must request and have in his possession an approved Sewer Inspection Permit issued by the O.C.W.R.C. The Contractor shall be responsible for all O.C.W.R.C. charges and shall contact O.C.W.R.C. for their fees, bonds and deposit requirements. The Contractor shall notify the Charter Township of Orion, Orchard, Hiltz & McClintock and the O.C.W.R.C. 72 hours, or three working days, prior to the beginning of any construction. Final air test must be witnessed by the O.C.W.R.C. personnel and must be scheduled in advance. Prior to County testing, a preliminary test will need to be conducted with the OHM inspector present. All structures must be completed before scheduling. Site tubes must be in place for at least 24 hours. If ground water was present during construction.
3. No sewer installation shall have an infiltration exceeding 100 gallons per inch diameter per mile of pipe per 24 hour period, and no single run of sewer between manholes shall exceed 100 gallons per inch diameter per mile. All sewer runs of 8 inches in diameter or greater shall be tested. Air tests in lieu of infiltration tests shall be as specified in O.C.D.P.W. "Acceptance Tests", dated September 1972. Only Modified Groove Tongue, ASTM C 425, ASTM C 443, O-Ring, Uniloc, Amvit, Nobel, Ring-Tite,Fluid-Tite or equal, as approved by O.C.W.R.C. may be used for sewer joints. All joints shall meet requirements of ASTM C 425 or C 443. No clay pipe or schedule 35 will be allowed for main line sanitary sewer or for sewer leads.
4. All all connections to an existing O.C.W.R.C. sewer or to extensions there to, a temporary watertight bulkhead with a threaded, capped or valved 1 inch diameter pipe to permit measuring infiltration shall be provided to be removed only after directed by the engineer. A 12 inch temporary sump and a watertight mechanical bulkhead shall be installed on the first manhole upstream of the proposed connection. The temporary sump shall be filled in after successful completion of any infiltration test up to the standard fillet provided for the flow channel, and the bulkhead shall be removed after directed by engineer. Infiltration testing is required for all sewers twenty-four (24) inch diameter and greater, or for all sewer pipe diameters where the ground water level is seven (7) feet above the top of the sewer pipe.
5. All building leads and risers shall be 6 inch diameter, S.D.R. 23.5 ABS OR PVC pipe with chemically fused joints or an approved equal pipe and joint. Sewer pipe wye or tee openings shall contain factory installed premium joint material of the type identical to that of the building lead pipe used. Building leads to be furnished with removable air-tight and water-tight stoppers.
6. All sewer pipe shall be installed in the trench and bedding shown on the Orion Township Standard Sanitary Sewer Detail sheets, unless otherwise noted.
7. All new manholes shall have O.C.W.R.C. approved flexible, water-tight seals where pipes pass through walls. Manholes shall be precast sections with modified groove tongue and rubber gasket type joints. Precast manhole sections shall be O.C.W.R.C. approved modified eccentric cone type. All manholes shall be provided with bolted, water-tight covers.
8. At all connections to manholes on O.C.W.R.C. sewers or extensions thereto, drop connections will be required when the difference in invert elevations exceed 18 inches. Only outside drop connections will be approved for drops that are less than twenty (20) feet. If the drop is greater than twenty (20) feet, an internal drop may be used if approved by the township and the O.C.W.R.C.
9. Wherever existing manholes are to be topped, the top shall be made by coring. The Contractor shall place a KOR-N-SEAL boot (or approved equal) after coring is completed. Blind drilling will not be permitted in lieu of coring.
10. New manholes constructed directly on O.C.W.R.C. sewers shall be provided with covers reading "Oakland County–Sanitary" in raised letters. New manholes built over any existing sanitary sewers shall have monolithic bottoms.
11. No ground water, storm water, construction water, downspout drainage or weep-tile drainage shall be allowed to enter any sanitary sewer installation.
12. Three (3) working days prior to construction, the Contractor shall contact MISS DIG (1-800-482-7171) for underground facilities locations.
13. 18 inch minimum vertical separation and 10 feet horizontal separation must be maintained between sanitary sewer and water main.
14. The sanitary sewer contractor shall notify the inspection section of the Great Lakes Water Authority (GLWA) at (313) 833-4949 at least 3 working days prior to beginning of construction.
15. No clay pipe will be allowed for main line sanitary sewer or for sanitary sewer leads.
16. A video (with log and lead locations) shall be submitted and approved by the Township prior to final acceptance. Said videotape shall be performed a minimum of 30 days after construction is completed. The sanitary sewer must be cleaned prior to videoing. Water must be run through the system from the upstream manhole prior to videoing. The videoing will not be accepted if the sewer is not cleaned prior to the inspection.
17. Where sanitary sewer cleanouts fall within a paved area (parking lot, service drive area, etc.), the cleanout shall have a cast iron cover that is centered in a 2'x2'x6" concrete slab having a compressive strength of 3000 psi at 28-day cure time. All sewer leads require at least one cleanout within 5' of the building; Additional cleanouts are required at all horizontal bends when lead length is greater than 100'.
18. Tracing wire shall be provided for all sewers regardless of material. Wire shall be copper clad, 12 gauge solid or woven green coated, insulated per Township requirements. Connection is required at all service leads and manholes, with exposed wire tied installed between the adjustment ring and frame. Conductivity shall be tested by the Township prior to acceptance of sanitary sewer. All splices shall be made using a gel-cap product which provides a water proof seal, such as 3M's Direct Bury Splice Kit #P054007/09964 or approved equal.



CONSTRUCTION DETAILS FOR MANHOLE TOPS WITHIN PAVEMENT AREAS

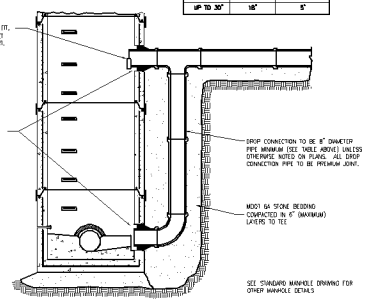


CONSTRUCTION DETAILS FOR MANHOLE TOPS WITHIN FLOOD PRONE AREAS



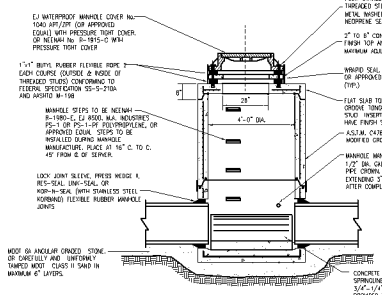
STANDARD MANHOLE 8" THROUGH 24" SEWERS

SEWER SIZE	DROP SIZE	WH. SIZE (I.D.)
UP TO 10"	8"	4'
UP TO 18"	10"	4'
UP TO 30"	18"	5'



EXTERNAL DROP MANHOLE CONNECTION

NOTE:
DROP MANHOLES SHOULD BE USED WHEN THE DIFFERENCE BETWEEN INVERT ELEVATIONS EXCEEDS 18".



FLAT TOP MANHOLE FOR SHALLOW MANHOLE INSTALLATIONS

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 PLYMOUTH RD
LIVONIA, MI 48150
P: (734) 522-6711
OHM-ADVISORS.COM

REVISIONS

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE		HORIZ DATUM	VERT DATUM	
8/29/2018		SKR	JJF	FR	OAKLAND	ORION	HR: NTS	VR: NTS			

CHARTER TOWNSHIP OF ORION
SANITARY SEWER STANDARD DETAILS

SHEET 1 OF 2

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SPECIFICATIONS FOR POLYVINYL CHLORIDE (PVC) PIPE (LEADS ONLY)

MATERIALS AND CERTIFICATIONS

PVC Pipe and Fittings shall be as described under ASTM Designation D 3034-81, Standard Specification for Polyvinyl Chloride Sewer Pipe and Fittings.

All pipe shall be certified by the manufacturer to meet the applicable ASTM specification requirements. Certification forms together with a report of the test results shall be provided to the construction inspector with pipe deliveries and copies shall be forwarded to the Engineer or the Owner. Certification forms shall include project name, location, Contractor, and test lot number. Lot sizes shall be acceptable to the Engineer.

All pipe and fittings shall be suitably marked to provide manufacturer's name or trademark, lot or production number (including date and location of manufacturer), ASTM designation, PVC cell classification, SDR number, and nominal diameter. Fittings, however, need not contain lot number, cell classification, or SDR number. Pipe shall have a "home" mark.

BEDDING

Bedding for PVC pipe shall be in accordance with ASTM D 2321-74, except (1) only Class I and Class II materials may be used, (2) embedment shall extend to minimum 12" above top of pipe, and (3) flooding or puddling shall not be used. It is essential that it be recognized that the successful use of flexible pipe requires bedding that provides uniform side support and complete bedding contact under pipe haunches. Bedding material must be properly placed and compacted provide lateral restraint against deflection in the pipe diameter. Pipe must be bedded to true line and grade throughout its length. Bell holes shall be provided where required.

Where unstable bottoms are encountered, the Contractor shall provide a foundation consisting of an approved graded and processed angular stone to act as an impervious mat to prevent migration or vertical movement of unstable soils or bedding materials. Where trench sheeting, plates, or a trench box are used due to severe ground conditions, all voids to the side and below the top of the pipe caused by the sheeting, plates, or box withdrawal shall be completely filled or the supports left in place below the top of the pipe.

Concrete cradle bedding shall not be used where allowable trench widths are exceeded. In lieu of concrete cradle bedding standard pipe bedding shown shall be provided to the full width between undisturbed trench walls or at least to 2.5 pipe diameters on both sides of the pipe.

Due to potential damage to exterior walls of plastic pipe, caused by rocks, frozen material, or large objects (particularly in cold weather conditions), the Contractor shall carefully avoid dumping any materials other than approved bedding sand or stone on the pipe until a 12" cover is placed on it. Pipe walls and joints shall also be protected from abrasion and damage during handling, and shall be fully inspected just prior to placing in the trench.

Care shall be taken during bedding compaction to avoid distorting the shape of the pipe or damaging its wall. Mobile equipment shall not be used over the pipe trench until 48" of cover has been placed.

House connections shall be made to wye or tee fittings. Field taps of sewer are prohibited. Bedding for house connection sewers shall be equal to that of the main sewer bedding. Risers in deep and unstable trenches should be bedded in Class I angular stone to avoid settlement. Concrete shall not be used for bedding. End caps or plugs shall be braced or anchored to withstand air test pressures. Caps or plugs shall not be chemically welded in place.

JOINTS

Joints for pipe and fittings shall be of the elastomeric gasket push-on type. Such joints shall conform to ASTM Designation D 3212-81, and the pipe manufacturer shall file with the O.C.W.R.C. a copy of certified test results of its jointing system prior to use. Gasket joints shall be installed in accordance with procedures specified by the pipe manufacturer, such that the gasket will be compressed (not displaced) in the joint to form a positive seal. Care shall be taken to ensure all joints being pushed to the full "home" position and held together in the "home" position during any grade or line adjustments.

CUTTING AND HANDLING

Cutting of pipe lengths, where required, shall be performed by the use of tools or equipment that will provide a neat, perpendicular cut without damage to the plastic. All burrs shall be removed by the use of a file, knife, or abrasive paper. Spigot ends on cut pipe shall be beveled similar to factory beveling to prevent gasket damage.

Bowing or warping of plastic pipe can occur with temperature fluctuations. The Contractor shall store and protect the pipe to minimize bowing. Maximum pipe lengths of 10', 12'6", or 20' having deviations from straight greater than 1" shall not be used.

SPECIAL CONDITIONS

The compacted installation shall at no point have out-of-round pipe deflections greater than 7 1/2%. The Engineer shall have the option of requiring deflectometer or go/no-go gauging tests run prior to acceptance on pipelines where high deflections are suspected.

All standard O.C.W.R.C. specifications and details shall apply to this work except where covered otherwise by these supplemental specifications. O.C.W.R.C. air test requirements shall be met. To maintain the flexibility of the pipe materials, concrete encasement of drop connections shall not be used. Where adapters to other materials are required, only approved adapters and joints may be used. Where the connections are made to existing manholes, the manhole shall be cored and a rubber waterstop shall be used around the pipe.

"As-built" plans shall be provided to the O.C.W.R.C. and the local unit of Government by the Engineer and "as-built" plans shall specifically designate where ABS and PVC Truss Pipe was installed.

SPECIFICATIONS FOR TRUSS PIPE

MATERIALS AND CERTIFICATIONS

Contech Truss Pipe and Fittings shall be as described under ASTM Designation D2680, Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) and Poly Vinyl Chloride (PVC) Composite Sewer Pipe. Appendix XI of said specification shall be as modified by the bedding requirements outlined below.

All pipe shall be certified by the manufacturer to meet the applicable ASTM specification requirements. Certification forms, together with a report of the test results, shall be provided to the inspector with pipe deliveries and copies shall be forwarded to the Engineer or the Owner. Certification forms shall include project name, location, Contractor, and test lot number. Lot sizes shall be acceptable to the Engineer.

All pipe and fittings shall be suitably marked to provide manufacturer's name, lot or production number (including date and location of manufacturer), ASTM designation, material type (ABS or PVC) and nominal diameter where applicable. Fittings, however, need not contain lot or production number. Pipe shall have a "home" mark. Truss Pipe with an absence of liner material at the ends greater than 1/4" deep shall be subject to rejection or acceptable repair.

BEDDING

Bedding for Truss Pipe shall be in accordance with ASTM D2321-74, except, (1) only Class I and Class II materials may be used, (2) embedment shall extend to minimum 12" above top of pipe, and (3) flooding or puddling shall not be used. It is essential that it be recognized that the successful use of flexible and semi-flexible pipe require bedding that provides uniform side support and complete bedding contact under pipe haunches. Bedding material must be properly placed and compacted to provide lateral restraint against deflection in the pipe diameter. Pipe must be bedded to true line and grade throughout its length.

Where unstable bottoms are encountered, the Contractor shall provide a foundation consisting of an approved graded and processed angular stone to act as an impervious mat to prevent migration or vertical movement of unstable soils or bedding materials. Where trench sheeting, plates, or a trench box are used due to severe ground conditions, all voids to side and below the top of the pipe caused by the sheeting, plates, or box withdrawal shall be completely filled or the supports left in place below the top of the pipe.

Concrete cradle bedding shall not be used where allowable trench widths are exceeded. In lieu of concrete cradle bedding, standard pipe bedding shown shall be provided to the full width between undisturbed trench walls or at least 2.5 pipe diameters on both sides of the pipe. Due to potential damage to exterior walls of truss pipe, caused by rocks, frozen material, or large objects (particularly in cold weather conditions), the Contractor shall carefully avoid dumping any materials other than approved bedding sand or stone on the pipe until a 12" cover is placed on it. Pipe walls and joints shall also be protected from abrasion and damage during handling, and shall be fully inspected just prior to placing in the trench.

Care shall be taken during bedding compaction to avoid distorting the shape of the pipe or damaging its exterior wall. Mobile equipment shall not be used over the pipe trench until 48" of cover had been placed.

House connections shall be made to wye or tee fittings. Field taps of sewer are prohibited. Bedding for house connection sewers shall be equal to that of the main sewer bedding. Risers in deep and unstable trenches should be bedded in Class I angular stone to avoid settlement. Concrete shall not be used for bedding. End caps or plugs shall be braced or anchored to withstand air test pressures. Caps or plugs shall not be chemically welded in place.

JOINTS

Joints shall be chemically welded in accordance with the manufacturer's recommendation and the current ASTM Designations D2680 and D2235 for ABS Truss Pipe and D2680 and D2855 for PVC Truss Pipe. Additionally, all exposed ends of Truss Pipe shall be fully and thoroughly coated with plastic jointing cement prior to making joints so as to seal ends to eliminate the possibility of false low pressure air tests. Elastomeric gasket push on type joints may be utilized for PVC Truss Pipe in accordance with ASTM Designation D3212. Care shall be taken to ensure all joints being pushed to the full "home" position and held tightly in the "home" position during any grade or line adjustments. Pipe shall be rotated during joint insertion to insure a complete spread of jointing cement. ABS and PVC Plastic Cement Primers and ABS and PVC Plastic Pipe Cements shall arrive at the job site in sealed and labeled containers. "cottony leaks" or similar seals type applications shall be used apply primer and cement. Opened containers in the trench shall be protected from dirt, water and other contaminants. The pipe manufacturer shall file with the O.C.W.R.C. a copy of certified test results of its jointing system prior to use. Gasket joints shall be installed in accordance with procedures specified by the pipe manufacturer, such that the gasket will be compressed (not displaced) in the joint to form a positive seal. Care shall be taken to insure all joints being pushed to the full "home" position and held together in the "home" position during any grade or line adjustments.

CUTTING AND HANDLING

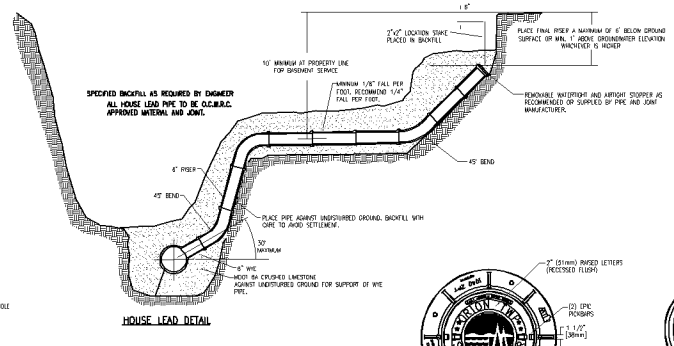
Cutting of pipe lengths, where required, shall be performed by the use of tools or equipment that will provide a neat, perpendicular cut without damage to the plastic or the liner material. Bowing or warping of ABS and PVC pipe can occur with temperature fluctuations. The Contractor shall store and protect the pipe to minimize bowing. Maximum 12'6" pipe lengths having deviations from straight greater than 1" shall not be used.

SPECIAL CONDITIONS

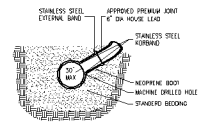
The compacted installation shall at no point have out-of-round pipe deflections greater than 5%. The Engineer shall have the option of requiring deflectometer or go/no-go gauging tests run prior to acceptance on pipelines where high deflections are suspected.

All standard O.C.W.R.C. specifications and details shall apply to this work except where covered otherwise by these supplemental specifications. O.C.W.R.C. air test requirements shall be met. To maintain the flexibility of the pipe materials, concrete encasement of drop connections shall not be used. Where adapters to other materials are required, only approved adapters and joints may be used. Where the connections are made to existing manholes, the manhole shall be cored and a rubber waterstop shall be used around the pipe.

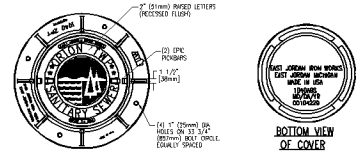
"As-built" plans shall be provided to the O.C.W.R.C. and the local unit of Government by the Engineer and "as-built" plans shall specifically designate where ABS and PVC Truss Pipe was installed.



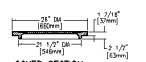
HOUSE LEAD DETAIL



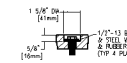
KOR-N-TEE TAP FOR CONCRETE PIPE



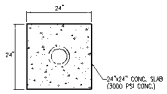
BOTTOM VIEW OF COVER



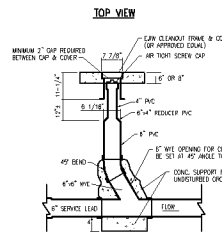
COVER SECTION



BOLT DETAIL



TOP VIEW



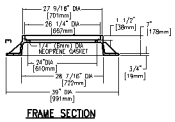
ELEVATION

DETAIL OF SANITARY SEWER CLEANOUT IN PAVED AREA

LOAD RATING
HEAVY DUTY

MATL SPEC.
COVER - GRAY IRON
ASTM A48 CL35
FRAME - GRAY IRON
ASTM A48 CL35

EST. WT.
COVER: 350 LBS 159kg
FRAME: 550 LBS 159kg
UNIT: 400 LBS 181kg



FRAME SECTION

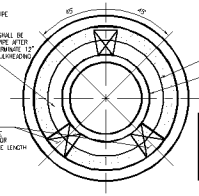
BOLTHOLE DETAIL

C.I. MANHOLE COVER
E.J. 1040 APT/2PT

DETAILS ARE TYPICAL FOR SEWER PIPE CONSTRUCTED IN CASING PIPE.

8" WATER TIGHT BRICK BULKHEAD SHALL BE PLACED AT EACH END OF CASING PIPE AFTER PIPE INSTALLATION. SKIDS SHALL TERMINATE 12" FROM END OF CASING TO ALLOW BULKHEADING OF ENTIRE PIPE CIRCUMFERENCE.

SEWER PIPE SHALL BE STRAPPED TO WOLMANIZED SKIDS SO THAT THE CARRIER PIPE CAMBER ROLL OVER OR FLOAT. SKIDS SHALL BE 60% OF PIPE LENGTH



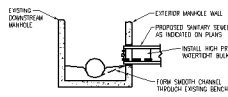
DIA. OF SEWER	SEWER MATERIAL	MIN. (1.3)	ROAD CROSSING	RAILROAD* CROSSING
			MIN. "B"	MIN. "B"
10"	TRUSS	.24"	.312	.312
12"	TRUSS	.24"	.312	.375
15"	TRUSS	.30"	.312	.438
18"	CONC.	.36"	.375	.500
21"	CONC.	.36"	.375	.500
24"	CONC.	.36"	.375	.500
24"	VITRIFIED	.20"	.375	.500

A=INSIDE DIAMETER
B=WALL THICKNESS

* RAILROAD ROW PERMIT REQUIREMENTS MAY CALL FOR A THICKER WALL SECTION.

PIPE BARREL SUPPORT FOR SEWER PIPE CONSTRUCTED IN CASING PIPE

CASING SHALL BE SPIRAL WELDED STEEL PIPE A 57 M A-252, GR 2.

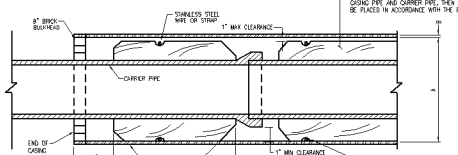


TESTING BULKHEAD WITH PIPE TAP

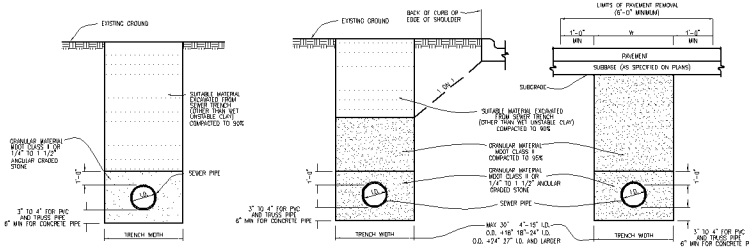
* AT ALL CONNECTIONS TO AN EXISTING O.C.W.R.C. SEWER OR EXTENSIONS THERETO, A WATERTIGHT BULKHEAD WITH A THREADED CAPPED OR VALVED 1 INCH DIA. PIPE TO PERMIT MEASURING INFILTRATION SHALL BE PROVIDED. TO BE REMOVED ONLY AFTER DIRECTED BY ENGINEER.

* INFILTRATION TESTING IS REQUIRED FOR ALL SEWERS TWENTY-FOUR (24) INCH DIAMETER AND LARGER OR FOR ALL SEWER PIPE DIAMETERS WHERE THE GROUND WATER LEVEL IS SEVEN (7) FEET ABOVE THE TOP OF THE SEWER PIPE.

PLACE WOLMANIZED SKID ALONG THE TOP OF THE CARRIER PIPE IN ORDER TO PREVENT THE CARRIER PIPE FROM ROLLING OVER OR FLOATING. IF THE CONTROLLING AGENCY PERMIT REQUIREMENTS INDICATE THAT SAND OR GROUT MUST BE PLACED BETWEEN THE CASING PIPE AND CARRIER PIPE, THEN THE SAND OR GROUT SHALL BE PLACED IN ACCORDANCE WITH THE PERMIT SPECIFICATIONS.



STANDARD CASING SECTION



SEWER NOT UNDER ROADBED
TRENCH A

SEWER UNDER ROADBED OR WITHIN INFLUENCE OF ROADBED
TRENCH B

UTILITY TRENCHES

NOTES:

1. BEDDING UNDER THE UTILITY SHALL BE AS SPECIFIED AND THE UNDERCUT MATERIAL REPLACED WITH GRANULAR MATERIAL CLASS II. BACKFILLING SHALL BE ACCORDING TO THE CURRENT STANDARD SPECIFICATION.
2. BACKFILL FOR UTILITY TRENCHES ABOVE GRANULAR MATERIAL CLASS II SHALL BE PLACED AS FOLLOWS:

   TRENCH A: MATERIAL EXCAVATED FROM THE UTILITY TRENCHES SHALL BE USED TO BACKFILL UTILITY TRENCHES OUTSIDE THE LIMITS OF THE 1:1 ZONE OF INFLUENCE AND SHALL BE COMPACTED TO NOT LESS THAN 90% OF IT'S MAXIMUM UNIT WEIGHT. OF THE TRENCH (6"-0" MINIMUM).

   TRENCH B: GRANULAR MATERIAL OF THE CLASS SPECIFIED ON DETAILS SHALL BE USED TO BACKFILL TRENCHES UNDER THE ROADBED AND SHALL BE COMPACTED TO NOT LESS THAN 95% OF IT'S MAXIMUM UNIT WEIGHT.

   GRANULAR MATERIAL OF THE CLASS SPECIFIED ON DETAILS SHALL BE USED TO BACKFILL UTILITY TRENCHES OUTSIDE THE ROADBED BUT, WITHIN THE 1:1 ZONE OF INFLUENCE SHOWN. IT WILL ALSO BE USED AS BACKFILL UNDER SIDEWALKS, SURFACED AREAS AND MISCELLANEOUS STRUCTURES AND COMPACTED TO NOT LESS THAN 95% OF IT'S MAXIMUM UNIT WEIGHT.

   NOTE: NO FROZEN MATERIAL SHALL BE USED.

3. GRANULAR MATERIAL CLASS I, II, III, OR IVA MAY BE USED WHERE GRANULAR MATERIAL CLASS III IS SPECIFIED ON THE PLANS.
4. ESTIMATED PAVEMENT REMOVAL WIDTH IS TO BE TRENCH WIDTH "W" PLUS 1'-0" EACH SIDE.

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 PLYMOUTH RD
LIVONIA, MI 48150
P: (734) 522-6711
OHM-ADVISORS.COM

REVISIONS

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
6/29/2018	3918	SJR	JJF	PR	OAKLAND	ORION	HR: NTS	VE: NTS	

CHARTER TOWNSHIP OF ORION
SANITARY SEWER STANDARD DETAILS

SHEET 2 OF 2

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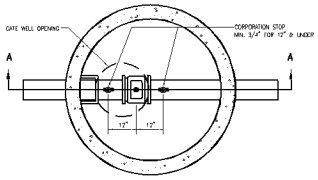
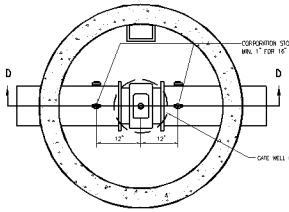
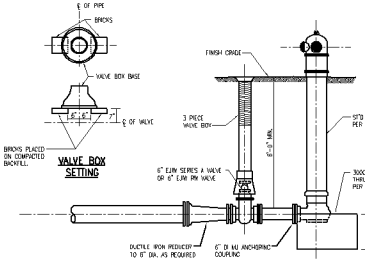


6", 8" &12" GATE WELL
(PLAN VIEW B-B)

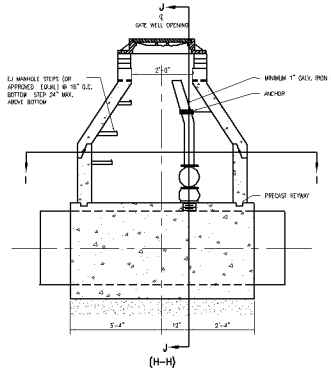


16" & 24" GATE WELL
(PLAN VIEW C-C)

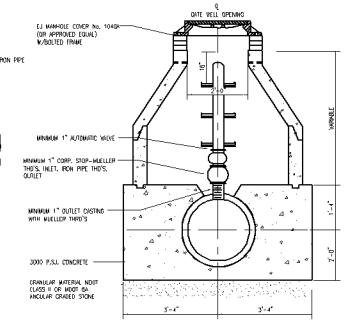


VALVE BOX SETTING

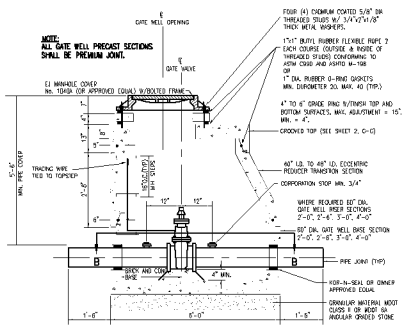
END OF WATER LINE ASSEMBLY FOR 6" & 8" DIA. MAINS



(H-H)

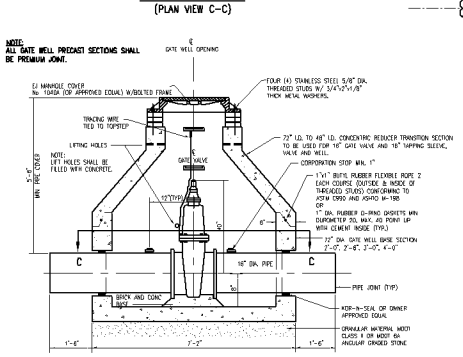


(J-J)



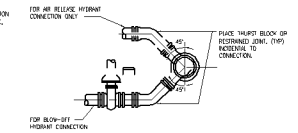
6", 8" AND 12" GATE WELL
(A-A)

NOTES:
1. CEMENT TUCK POINT ALL STRUCTURE JOINTS INSIDE AND OUT
2. FOR WELLS IN PAVEMENT SEE "GATE WELL TOPS WITHIN PAVEMENT AREAS"

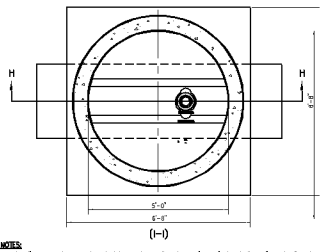


16" & 24" GATE WELL
(D-D)

NOTES:
1. CEMENT TUCK POINT ALL STRUCTURE JOINTS INSIDE AND OUT
2. FOR WELLS IN PAVEMENT SEE "GATE WELL TOPS WITHIN PAVEMENT AREAS"



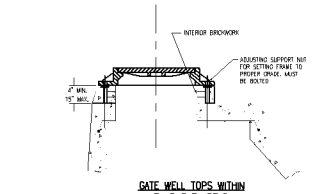
HYDRANT AIR RELEASE AND BLOW-OFF CONNECTION



(I-I)

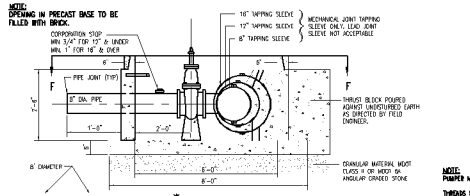
NOTE:
ALL AIR RELEASE WELLS SHALL BE PRECAST STRUCTURES. ALL AIR RELEASE VALVES SHALL BE MINIMUM 1" AUTOMATIC VALVES.

STANDARD AIR RELEASE & WELL
FOR 16" & 20" WATER MAIN



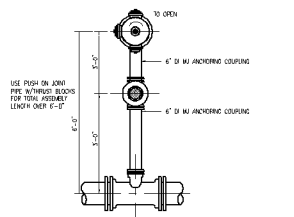
GATE WELL TOPS WITHIN PAVEMENT AREAS

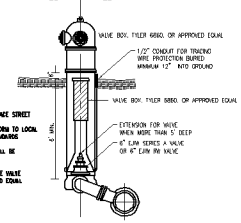
NOTE:
RUBBER O-RINGS SHALL NOT BE USED IN PAVEMENT.



16"x 8", 12"x 8", 8"x 8"* TAPPING SLEEVE, VALVE & WELL
(E-E)

* USE OF 8" x 8" TAPPING SLEEVE VALVE & WELL MUST BE APPROVED BY ORION TOWNSHIP DPW.
* IF THRU BAND IS DUCTILE IRON AND TOP IS NOT 8"x8", A STAINLESS STEEL TAPPING SLEEVE IS ALLOWABLE.



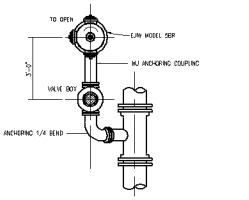


NOTE:
PUMPER NOZZLE TO FACE STREET

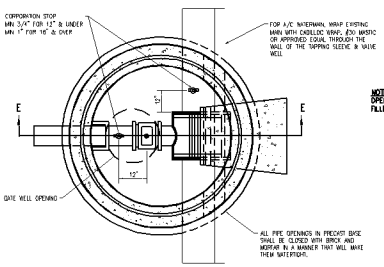
THREADS SHALL CONFORM TO LOCAL FIRE DEPARTMENT STANDARDS

ALL DRAIN HOLES SHALL BE PLUGGED

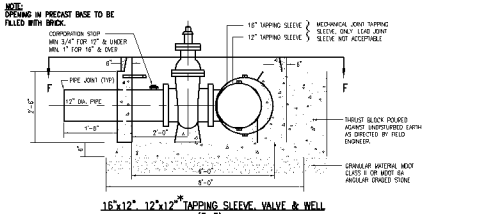
AN ADAPTOR, INC. GATE VALVE ADAPTOR OR APPROVED EQUAL SHALL BE USED



DETAIL OF HYDRANT SETTINGS



TAPPING SLEEVE
VALVE & WELL TYPICAL
(PLAN VIEW F-F)



16"x12", 12"x12"* TAPPING SLEEVE, VALVE & WELL
(E-E)

* USE OF 12" x 12" TAPPING SLEEVE MUST & WELL MUST BE APPROVED BY ORION TOWNSHIP DPW.
* IF THRU BAND IS DUCTILE IRON AND TOP IS NOT 8"x8", A STAINLESS STEEL TAPPING SLEEVE IS ALLOWABLE.

NOTE:
MECHANICAL JOINT FITTINGS FOR ALL HYDRANT INSTALLATIONS SHALL BE "SWIVEL" FITTINGS AS MANUFACTURED BY TYLER PIPE, OR APPROVED EQUAL.

GENERAL NOTES:

1. All construction procedures and materials used on all water main projects shall conform to American Water Works Association (AWWA), Great Lakes Water Authority (GLWA) and Orion Township current Standards and Specifications.
2. No installation of water main is to be attempted without Township's inspector being present. Unless otherwise specified on plans, top of all water mains shall be 5.5 ft. below existing or proposed road centerline, or 5.5 ft. below existing or proposed ground, whichever results in lower elevation.
3. The design engineer shall furnish Orion Township with "record plan" water main plans upon job completion. Plans shall locate all water valves, hydrants and gate valves and wells.
4. All required cross connection devices shall be installed as required by the local plumbing inspector and in accordance with the standards of the Michigan Department of Public Health.
5. Three (3) working days before you dig, dial MISS DIG at 1-800-482-7171.
6. Contractor shall notify the DUNN Field Office (833-4882) 3 working days prior to start of construction and request an inspection of the job.
7. All ductile iron pipe and all pipe fittings shall be made in the U.S.A. and shall comply with AWWA C111-17 and/or AWWA C115-11.
8. All bolts on all flanged and mechanical joint fittings shall be domestic origin high strength, low alloy COR-BLUE steel bolts or approved equal. These bolts shall meet the current provisions of American National Standard ANSI/AWWA C111/A21.11-90 for rubber gasket joints for ductile iron pressure pipes and fittings. Bolt manufacturer's certifications of compliance must accompany each shipment.
9. BACKFILL NOTE: Under road surfaces, pavement, sidewalk, curb, driveways and where the edge of the trench is within 3 (three) feet of the pavement or as called for on the plans, the trench depth shall be 4 (four) inches lower than the proposed water main elevation. The trench width shall be the outside diameter plus 12 (twelve) inches for pipe diameters up to 36 (thirty-six) inches (See Detail on Sheet 2). The trench shall be backfilled by placing granular material by the "Controlled Density Method" or other means having approval of the engineer and compacting it to 95 (ninety-five) percent of its maximum unit weight.
10. Tracing wire shall be provided for all water main, regardless of material. Wire shall be copper clad, 12 gauge solid or seven blue coated, insulated per Township requirements. Connection is required at all service leads, hydrants, and gate wells, with exposed wire tied to topstep. Conductivity shall be tested by the Township prior to the acceptance of the main. All splices shall be made using a get-cap product which provides a water proof seal, such as 3M's Direct Bury Splice kit (DBY54007/DB964 or approved equal. All tracing wire connected to hydrants shall be housed in 1/2" stainless steel conduit buried a minimum 12" into ground.
11. Polywrap shall be placed as required by the Township.
12. Where water main is located under pavement, the Township shall not be responsible for repairing pavement within the easement in the event that maintenance or repairs to the water main become necessary.

TESTING:

1. Pressure testing of watermain including standard fire suppression leads and riser into the building will be conducted by OHM witnessing on behalf of the Municipality. Water main testing shall be per AWWA. Notify OHM (Site Coordinator) of schedule (3 working days prior to test). Prior to any utility testing, the remaining escrow amount will be released to verify that there is enough escrow to complete the project.
2. Pressure testing of remote FDC's and fire suppression lines extending between buildings will be conducted by Orion Township Fire Department. Water main testing shall be per NFPA 13 2016. Notify Jeff Williams, Fire Marshal for Orion Township 248-391-0304 x 2003 of schedule (3 working days prior to test).
3. Prior to chlorinating the water main, the main shall be filled with potable water to eliminate air pockets and flushed to remove particulates. The flushing velocity in the main shall not be less than 3.0 ft/sec per AWWA C600-17. The main shall be disinfected per AWWA C651-14 and then flushed following the chlorination.
4. Bacteriological testing shall be conducted per AWWA C651-14. No bacterial tests will be performed until pressure tests have been passed. Two sets of bacteria samples (two consecutive days, at least 24 hours apart) will be obtained by a licensed testing agency, with the Contractor and OHM inspector witnessing. Contractor shall contact Jerry Ashburn (734) 851-1450 for scheduling. Cost of the sampling/testing is the responsibility of the Contractor/Developer. Hard copy results must be on file at OHM prior to any tie-in. Contractor shall have the samples taken and analyzed at a Michigan Department of Environmental Quality (MDEQ) approved lab. Two current local labs are:

AquaTest Laboratories 9165 Highland Road White Lake, MI 48386 248-698-9500	Brighton Analytical, LLC 2105 Pless Drive Brighton, MI 48114 248-229-7575

WATER MAIN NOTES:

1. All water mains shall be ductile iron as per the following specification. Ductile iron pipe shall be ANSI 1-A21.51 (AWWA-C151) std. wall thickness, cement lined with bituminous sealcoat Class 54 for sizes 8" thru 16" Class 55 for 20" and Class 55 for 24" pipe. Prestressed concrete cylinder pipe (P.C.C.P.) shall be AWWA C-301 specification for sizes larger than 24".
2. Curb stop box type shall be Arch Pattern base with Erie pattern lid.
3. Restrained joints are required in lieu of thrust blocks. Restrained joints for pipe sizes up to 16" shall be Field Grip Gaskets, Mega Lug, or approved equal. Restrained joints for pipe sizes over 16" shall be American Ductile Iron Flex-Ring Joint Pipe or approved equal bottless system. A pipe lay schedule shall be submitted prior to installation start.
4. Thrust restraint design shall be per the Ductile Iron Pipe Research Association's Manual of Thrust Restraint Design for Ductile Iron Pipe, current edition.

VALVE & SLEEVE NOTES:

1. Gate Valves shall be resilient, wedge seated gate valves with ductile iron rubber coated wedge, non-rising stem, opening counter-clockwise, bronze stem and stem nut conforming with AWWA C515. E.J. Flow Master or approved equal.
2. All gate valves with operating nuts at a distance greater than 5.0' below ground surface shall be provided with an extension stem. The length of the extension stem shall be such that it will be within 5.0' of the ground surface, when one is used. The extension stem shall be held in place by an extension stem guide securely fastened to the wall of the gate well. The extension stem shall be mechanically attached to the operating nut. Details of extension stem and method of installation shall be approved by the engineer prior to installation.
3. All precast concrete gate well sections shall be manufactured to conform with ASTM C478, (latest edition), standard specification for precast reinforced concrete manhole sections, except wall thickness, shall be as shown on these details. All joints for precast concrete gate well sections shall be "Modified Grooved Tongue" with gasket manufactured to conform with the current edition of ASTM C443.
4. All gate well covers shall be E.J. #1040A with bolted frame and have the words "ORION TWP WATER" in raised letters on the frame cover, or approved equal.
5. Tapping sleeve shall be mechanical joint with E.J. SERIES A Mechanical Joint Tapping Gate Valve. Lead joinsleeves shall not be used.
6. All tongue and groove joints on wells shall be cement tuck-pointed inside and out.

HYDRANT NOTES:

1. All hydrants shall be E.J. #5-B6-Traffic Model and shall conform to AWWA Spec. C-502 as amended, and shall have a minimum 6" valve opening which closes with the water pressure. Hydrants shall be traffic style with breakable flange and coupling.
2. Hydrants shall have a lower flange to allow bonnet to be turned 360 degrees without removing the bonnet and barrel flanges shall be integrally cast with the barrel. Inlet shoe shall have a bronze valve, seat which can be removed without digging.
3. Inlet connection shall be 6" mechanical joint, ASA-A21-11. Stem threads shall be sealed with double "O" rings and shall be permanently lubricated with all weather grease.
4. Hose connections: Two (2) 2 1/2" hose nozzles with national standard threads, one (1) 4 1/2" pumper nozzle with a 4" Harrington Integral Hydrant Storz nozzle. The storz nozzle shall have a brass metal face seal and hard anodized aluminum Storz ramps and lugs. The aluminum's finish shall be hard coat anodized to MIL-A-8625F, Type 3 dark gray. The adapter shall be made of forged or extruded 6061-T6 aluminum. The blind cap shall have hard anodized aluminum storz ramps and lugs made of forged or extruded 6061-T6 aluminum. The center cap shall be connected to the adapter or the hydrant with a 0.125" vinyl coated aircraft cable.
5. Hydrants shall be painted red above ground and black below, with a finish coat of Centerline 501 enamel, color 314 vermilion, or approved equal. The 4" Storz connection shall not be painted.
6. Hydrants shall be buried with six (6) feet of cover.

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P: (734) 522-6711
OHM-ADVISORS.COM

REVISIONS

DATE	PROJ NUMBER	DSG	PROJ MGR	CADD	COUNTY	D:\TV\ALL\AZ\TOWN\AP	ORION	H: N/S	SCALE	V: N/S	HORIZ DATUM	VERT DATUM
6/30/2018		SAP	JJK	PW	OAKLAND							

CHARTER TOWNSHIP OF ORION
WATER MAIN STANDARD DETAILS

SHEET 1 OF 3

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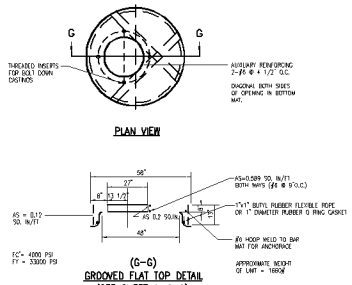
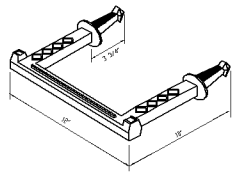
DRAWING PATH: P:\2018 0295\012118\0010_Orion Standard Detail Update\Drawings\Plotting\Orion WM updated 6-12-18.dwg Jul 12, 2018 - 3:32pm

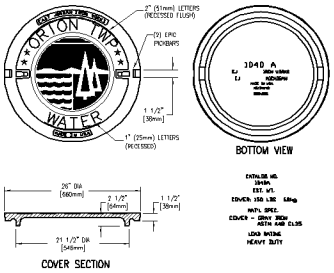


GROOVED FLAT TOP DETAIL
(SEE SHEET 1, A-A)

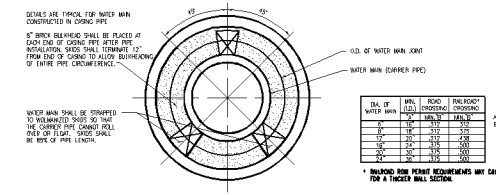
NOTE:
"AS" DENOTES CROSS-SECTIONAL AREA OF REINFORCING STEEL, IN SQUARE INCHES PER FOOT.



MANHOLE STEP
M.A. PSI-375



C.I. MANHOLE COVER
EJ 1040A



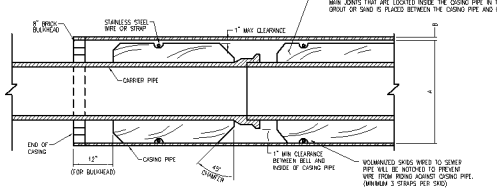
DIA. OF WATER MAIN	MIN. (I.D.)	ROAD CROSSING	RAILROAD* CROSSING
	"A"	MIN. "B"	MIN. "B"
6"	14"	312	512
8"	16"	312	512
12"	20"	312	512
16"	24"	312	512
20"	30"	312	512
24"	30"	312	512

A=INSIDE DIAMETER
B=WALL THICKNESS

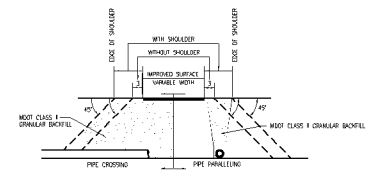
* RAILROAD ROW PERMIT REQUIREMENTS MAY CALL FOR A THICKER WALL SECTION.

PIPE BARREL SUPPORT FOR WATER MAIN CONSTRUCTED IN CASING PIPE

NOTES:
1. CASING SHALL BE SPIRAL WELDED STEEL PIPE A.S.T.M. A-252, GR. 2.
2. THE CONTRACTOR SHALL SUBMIT IN WRITING THE DETAILS OF THE APPROPRIATE PIPE CASING INSTALLATION AND JOINT RESTRAINT FOR THE REVIEW AND APPROVAL BY THE ENGINEER BEFORE INSTALLATION OF ANY CASING STARTS.

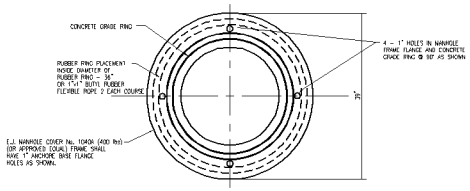


STANDARD CASING SECTION

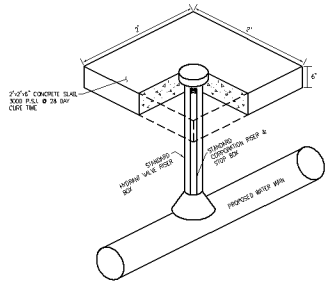


NOTE:
SEE SPECS FOR BACKFILL REQUIREMENTS

BACKFILL IN THE AREA OF STREETS, ALLEYS
SIDEWALKS, DRIVES & PARKING LOTS

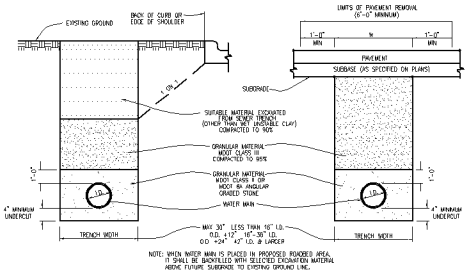


C.I. GATE WELL COVERS OR
GRADE RING

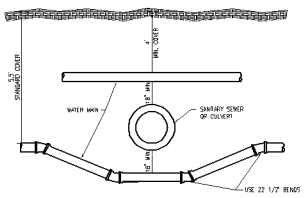


STOP BOX IN PAVEMENT DETAIL
N.T.S.

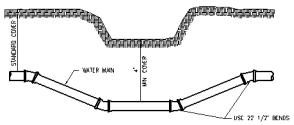
NOTE:
WHERE WATER SERVICE CORPORATION BOX FALLS WITHIN A PAVED AREA (PARKING LOT, SERVICE DRIVE AREA, ETC.) THE STOP BOX SHALL BE PLACED IN A STANDARD HYDRANT VALVE BOX. THE VALVE BOX SHALL BE CENTERED IN A 2'x2'x6" CONCRETE SLAB.



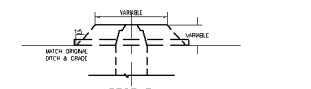
WATER MAINS UNDER ROADBED OR WITHIN INFLUENCE OF ROADBED
TRENCH B



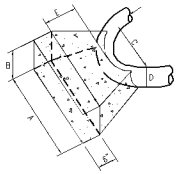
SEWER OR CULVERT CROSSING



DITCH & STREAM CROSSING

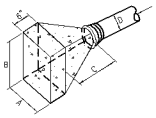


DITCH ENCLOSURE AT GATE WELL OR HYDRANT



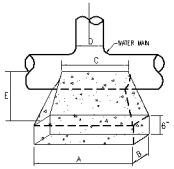
FOR 90° BENDS OR SMALLER				
D	A	B	C	E MIN.
20"	8'	6.5'	3.5'	2.5'
16"	5'	4'	2.5'	2'
12"	4'	3'	2'	1.75'
10"	3'	3'	2'	1.75'
8"	3'	2'	2'	1.5'
6"	2'	1.5'	2'	1.25'

NOTE:
3000 PSI CONCRETE TO BE USED. THRUST BLOCK TO ABUTT A REST AGAINST UNDISTURBED SOIL.



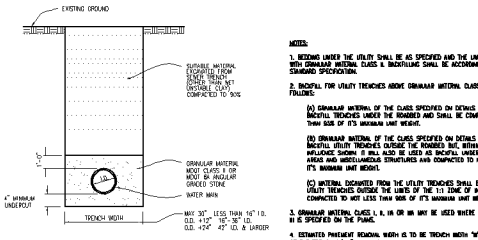
FOR PLUGS.			
D	A	B	C MIN.
20"	7'	5'	2.5'
16"	4'-10"	4'-10"	2'
12"	4'-4"	3'	1'-9"
10"	3'	2'	1'-6"
8"	2'-10"	2'-6"	1'-6"
6"	1'-8"	1'-8"	3"

THRUST BLOCK DETAILS



FOR TEES				
D	A	B	C	E MIN.
20"	6.5'	4.5'	3.5'	3'
16"	4'-8"	4'-8"	2.5'	2.75'
12"	4'	3'	2.5'	2.5'
10"	3'	2'	2'	2.25'
8"	2'-8"	2'	2'	2.25'
6"	2'	2'	2'	2.25'

NOTE:
ADDITIONAL CONCRETE TO BE PLACED PER ENGINEER'S DIRECTION FOR HYDRANTS REQUIRING THRUST BLOCKS. THE THRUST BLOCKS ARE INCIDENTAL TO HYDRANT INSTALLATION.



WATER MAINS NOT UNDER ROADBED
TRENCH A

NOTES:

1. BEDDING UNDER THE UTILITY SHALL BE AS SPECIFIED AND THE UNDERCUT MATERIAL REPLACED WITH GRANULAR MATERIAL CLASS II. BACKFILLING SHALL BE ACCORDING TO THE CURRENT STANDARD SPECIFICATION.

2. BACKFILL FOR UTILITY TRENCHES ABOVE GRANULAR MATERIAL CLASS II SHALL BE PLACED AS FOLLOWS:

(A) GRANULAR MATERIAL OF THE CLASS SPECIFIED ON DETAILS SHALL BE USED TO BACKFILL TRENCHES UNDER THE ROADBED AND SHALL BE COMPACTED TO NOT LESS THAN 95% OF ITS MAXIMUM UNIT WEIGHT.

(B) GRANULAR MATERIAL OF THE CLASS SPECIFIED ON DETAILS SHALL BE USED TO BACKFILL UTILITY TRENCHES OUTSIDE THE ROADBED BUT WITHIN THE 1:1 ZONE OF INFLUENCE SHOWN. IT SHALL ALSO BE USED AS BACKFILL UNDER SIDEWALKS, SURFACED AREAS AND MISCELLANEOUS STRUCTURES AND COMPACTED TO NOT LESS THAN 95% OF ITS MAXIMUM UNIT WEIGHT.

(C) MATERIAL EXCAVATED FROM THE UTILITY TRENCHES SHALL BE USED TO BACKFILL UTILITY TRENCHES OUTSIDE THE LIMITS OF THE 1:1 ZONE OF INFLUENCE AND SHALL BE COMPACTED TO NOT LESS THAN 90% OF ITS MAXIMUM UNIT WEIGHT.

3. GRANULAR MATERIAL CLASS I, II, III OR IV MAY BE USED WHERE GRANULAR MATERIAL CLASS III IS SPECIFIED ON THE PLANS.

4. ESTIMATED PAVEMENT REMOVAL WIDTH (E) TO BE TRENCH WIDTH "W" PLUS 1'-0" EACH SIDE OF THE TRENCH (6'-0" MINIMUM).

UTILITY TRENCHES

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P: (734) 522-6711
OHM-ADVISORS.COM

REVISIONS

CHARTER TOWNSHIP OF ORION
WATER MAIN STANDARD DETAILS

DATE	PROJ NUMBER	END	PROJ MGR	CHKD	COUNTY	DT/YR/LAS/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
6/28/2018	SKR	JJF	PR	CHH/JAD	OAKLAND	DRAWN	HR NTS	VS NTS	

SHEET 2 OF 3

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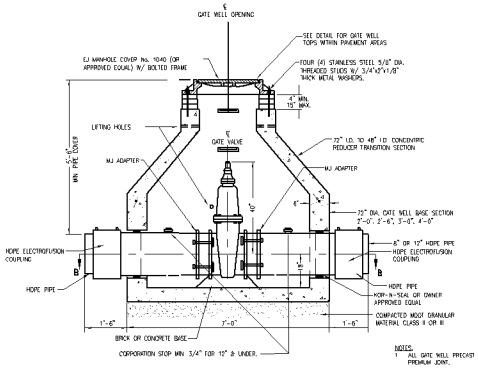
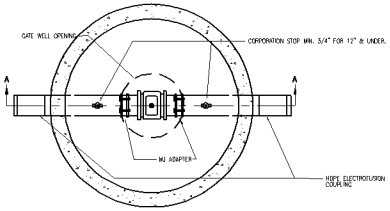
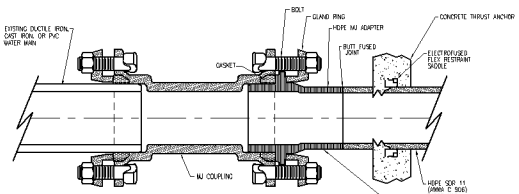


NOTES:
1. ALL GATE WELL PRECAST SECTIONS SHALL BE PREMIUM JOINT.
2. LIFT HOLES SHALL BE FILLED WITH CONCRETE.
3. FOR WATER MAIN LARGER THAN 16" DIAMETER, A 16" GATE VALVE SHALL BE USED. REDUCERS SHALL BE INSTALLED ON THE WATER MAIN OUTSIDE OF THE GATE WELL.
4. USE A 5' DIAMETER GATE WELL FOR 8" HDPE ASSEMBLY AND USE A 6' DIAMETER GATE WELL FOR A 12" HDPE ASSEMBLY.

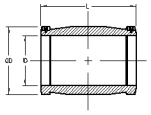
8" AND 12" GATE WELL FOR HDPE WATER MAIN
(A-A)



8" AND 12" GATE WELL TYPICAL FOR HDPE WATER MAIN
(PLAN VIEW, B-B)

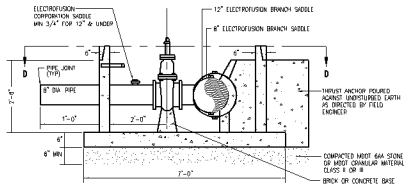


HDPE WATER MAIN JOINT RESTRAINT
(FOR CONNECTING HDPE PIPE TO DUCTILE IRON PIPE)

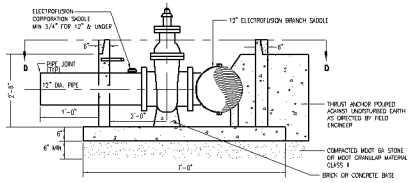


ELECTROFUSION DIPS COUPLINGS

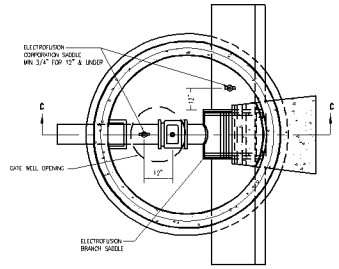
NOMINAL SIZE	INSIDE DIA (MAX) ID	INSIDE DIA (MIN) ID	OUTSIDE DIA (NOMINAL) OD	OVERALL LENGTH (NOMINAL) L
4"	4.84	4.810	6.06	6.53
6"	6.96	6.910	8.74	8.19
8"	8.13	9.080	11.14	9.53
10"	11.15	11.14	13.86	11.02
12"	13.29	13.25	16.22	13.02



12"x8", 8"x8" VALVE & WELL
(C-C)

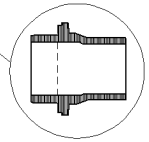


12"x12" VALVE & WELL
(C-C)



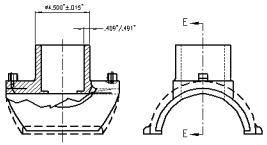
VALVE & WELL TYPICAL
(PLAN VIEW, D-D)

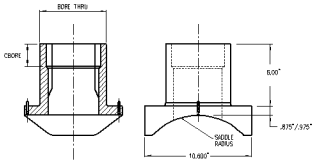
EQUIVALENT DUCTILE IRON PIPE SIZES (DIPS)		
		CLASS 150 SDR 11
NOMINAL PIPE SIZE (DIPS)	O.D. SIZE (INCHES)	MIN WALL THICKNESS (INCHES)
6"	6.90	0.627
8"	9.05	0.823
10"	11.10	1.009
12"	13.20	1.200
16"	17.40	1.582
20"	21.60	1.964
24"	25.80	2.345



MJ ADAPTER

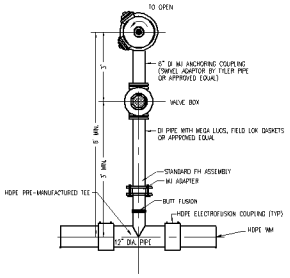
DIAMETER DIPS	DR	OVERALL LENGTH	BOLT LENGTH REQUIRED	WEIGHT
6"	11	8.25"	4 1/2"	4.4
8"	11	8.25"	5"	7.3
10"	11	8.75"	5"	11.3
12"	11	8.75"	5"	15.8
16"	11	9.97"	6"	33.0
20"	11	10.22"	6"	51.0
24"	11	10.22"	6 1/2"	71.7



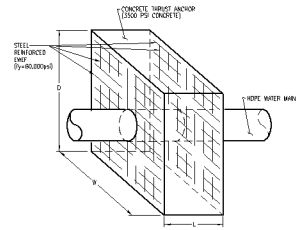


8" SDR 11 OUTLETS

ELECTROFUSION BRANCH SADDLE DETAILS



FIRE HYDRANT ASSEMBLY
WITH HDPE PRE-MANUFACTURED TEE



THE "L" DIMENSION IS CENTERED ON THE PIPE THRUST ANCHOR THAT WRAPS AROUND THE PIPE.

CONCRETE THRUST ANCHOR FOR HDPE PIPE

PIPE SIZE	THRUST BLOCK SIZE (W x D x L)	REINFORCEMENT
6"	2' x 2' x 12"	#3 @ 12" EMCT *
8"	2.5 x 2.5' x 12'	#3 @ 12" EMCT
12"	4' x 4' x 20"	#5 @ 12" EMCT
16"	5' x 5' x 26"	#6 @ 9" EMCT
20"	6.5' x 6.5' x 32"	#7 @ 12" EMCT
24"	8' x 8' x 36"	#8 @ 12" EMCT

* EMCT = EACH WAY, EACH FACE

NOTE:
VARIATIONS TO THE W AND D DIMENSIONS CAN BE MADE ON A CASE BY CASE BASIS DEPENDING ON THE DEPTH REQUIREMENTS FOR WATER MAIN FOR THAT PARTICULAR PROJECT. IF CHANGES ARE MADE TO THE SIZE, THE DESIGN ENGINEER WILL BE REQUIRED TO SUBMIT CALCULATIONS SUPPORTING THE REVISED SIZE, INCLUDING ANY CHANGES TO THE REINFORCING STEEL

HIGH-DENSITY POLYETHYLENE (HDPE) WATER MAIN NOTES

1. HDPE pipe shall be manufactured from high density PE 3408 polyethylene resin and shall have a standard dimension ratio (SDR) of 11 or less and a minimum working pressure rating pipe of 160 psi. The SDR is the outside diameter of the pipe divided by the minimum wall thickness.
2. HDPE pipe, appurtenances, and installation methods shall conform to the most current edition of AWWA standard C906.
3. All HDPE materials must be listed and approved for use under ANSI/NSF Standard 14.
4. Pipes shall be made of virgin material as defined in ASTM D3350 with an established hydrostatic design basis of 160 psi. for water at 73.4°F. No rework except that obtained from the manufacturer's own production of the same formulation shall be used. The pipe shall be homogeneous throughout and shall be free of visible cracks, holes, foreign materials, blisters, or other deleterious faults.
5. A certificate of "Compliance with Specification" shall be furnished for all materials supplied.
6. The physical appearance of the pipe having deformities such as concentrated ridges, discoloration, excessive spot roughness, pitting, varying wall thickness, etc., shall constitute sufficient basis for rejection. Pipe with gashes, nicks, abrasions or any physical damage that occurred during storage and/or handling which are wider or deeper than 10% of the wall thickness, shall not be used and must be removed from the construction site. Any pipe that has been damaged or does not meet the Township's approval shall be replaced at the Contractor's expense.
7. Mechanical fittings used with HDPE pipe shall be specifically designed for, or tested and found to be acceptable for use with HDPE by the fitting manufacturer. Mechanical fittings designed for other materials shall not be used.
8. Tracing wire shall be provided per the Township's specifications and details for all water mains. Wire shall be copper, 12 gage stranded, blue insulated per Township's requirements and shall be brought through each gate well and connected to the top step. In addition, an approved continuous tracing tape shall be placed one foot above the HDPE pipe. Underground marking tape shall be Magnatech, 3" wide, foil-backed tape, #31-022 by Empire Level Manufacturing Corp., or approved equal.
9. Pipe and fittings must be marked as prescribed by AWWA C906 and NSF. Pipe markings will include nominal size, OD base, dimension ratio, pressure class, working pressure rating, AWWA C906, manufacturer's name, manufacturer's production code including day, month, year extruded, and manufacturer's plant and extrusion line; and optional NSF logo. Permanent identification of piping service shall be provided by co-extruding longitudinal blue stripes into the outside of the pipe (stripes printed on the outside surface of the pipe shall not be acceptable) or the pipe material shall be black with a blue shell.
10. Personnel trained in the use of butt-fusion equipment shall perform the joining of polyethylene pipe by methods recommended for new pipe connections. Personnel directly involved with installing the new pipe shall receive training in the proper methods for handling and installing the HDPE pipe by a qualified representative.
11. The mechanical joint end must meet outside diameter requirements for connection to ANSI/AWWA C111/A21 and ANSI/AWWA C153/A21.53 mechanical joints. The adapter through-bore inside diameter is equal to SDR11 DIPS HDPE pipe. Butt-fusion ends must meet AWWA C906 DIPS requirements for butt fusion to SDR11.
12. Bolts, nuts, gaskets, and glands meeting ANSI/AWWA C111/A21.11 and ANSI/AWWA C153/A21.53 are recommended. Install mechanical joint components in accordance with manufacturer's recommendations.
13. Connections to HDPE pipe shall not be made immediately after the pipe has been installed. The fused pipe should be laid in the trench and be allowed to reach an equilibrium temperature overnight (24-hour period) in its surrounding environment.
14. The HDPE pipe must be properly aligned at all transitions to conventional or HDPE water main and appurtenances.
15. Under no circumstances shall HDPE pipe be pressure tested when the temperature of the pipe is above 80°F.
16. The polyethylene pipe shall be pressure tested after the line and all fittings and valves have been installed. Connections may be left exposed for visual leak inspection.
17. The newly installed polyethylene water main will be disinfected and samples checked for complete disinfection by the Charter Township of Orion DPW. The number of samples and sampling points will be determined by the township.
18. Water service saddles on HDPE water main shall be "WA" Electrofusion Service Saddles by Fristec, Inc. or approved equal.

ADDITIONAL NOTES FOR WATER MAIN PIPE BURSTING PROJECTS

19. The method approved for rehabilitation of existing water mains by pipe bursting and installation of new HDPE pipe is T.T. Technologies GRUNDOCRACK SYSTEMS, 800-533-2078) or approved equal. All contractors must be licensed to use the particular technology proposed for this work
20. The pipe-bursting tool shall be designed and manufactured to force its way through existing pipe materials by fragmenting the pipe and compressing the old pipe sections into the surrounding soil as it progresses. The bursting unit shall be pneumatic and shall generate enough force to burst and compact the existing pipeline.
21. The Manufacturer's specifications shall dictate what size tool should be used in what diameter pipe, as well as parameters of what size tool for percentage of uptake allowed.
22. Prior to construction, the Contractor shall develop a temporary water system to supply water services to area residents and businesses during pipe bursting operations. It is anticipated that the temporary system will be fed from existing fire hydrants. The temporary system and hydrants shall have passed bacteriological testing by the Charter Township of Orion DPW.
23. All service connections on the existing water main that is to be burst or will be taken out of service, shall be connected to the temporary water system prior to mainline bursting, disinfection, testing and service reconnection operations. Temporary service connections shall be made at the water service stop box by disconnecting the existing water service and connecting the temporary water line to the stop box.

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P: (734) 522-6711
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REVISIONS

DATE	PROJ NUMBER	END	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
6/28/2018	2018-0010	SKR	AJF	PR	OAKLAND	ORION	HR: NTS	VE: NTS	

CHARTER TOWNSHIP OF ORION
WATER MAIN STANDARD DETAILS

SHEET 3 OF 3

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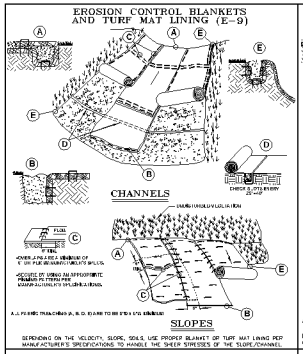
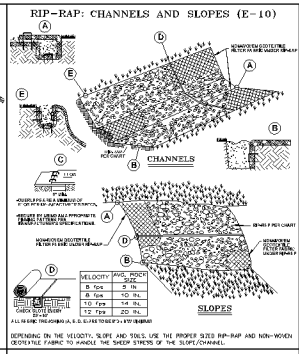
DRAWING PATH: P:\2018\0010-Orion Standard Detail Update\Drawings\Plotting\Orion_WM updated 6-12-18.dwg Jun 29, 2018 - 10:23am

EROSION CONTROL BLANKETS AND TURF MAT LINING (E-9)



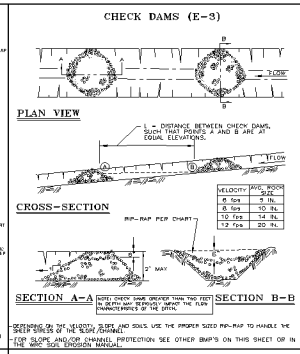
DEPENDING ON THE VELOCITY, SLOPE, SOILS, USE PROPER BLANKET OR TURF MAT LINING PER MANUFACTURER'S SPECIFICATIONS TO HANDLE THE SHEER STRESSES OF THE SLOPE/CHANNEL.

RIP-RAP: CHANNELS AND SLOPES (E-10)



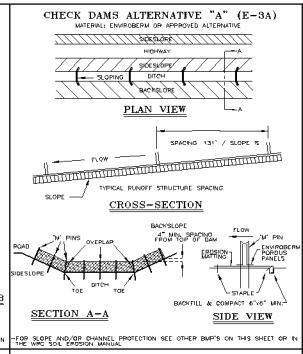
DEPENDING ON THE VELOCITY, SLOPE AND SOILS USE THE PROPER SIZED RIP-RAP TO HANDLE THE SHEER STRESS OF THE SLOPE/CHANNEL.

CHECK DAMS (E-3)



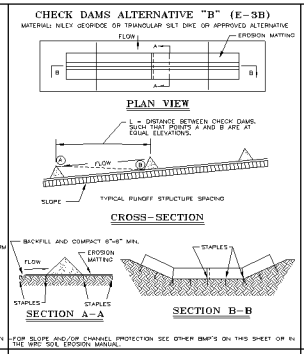
-DEPENDING ON THE VELOCITY, SLOPE AND SOILS USE THE PROPER SIZED RIP-RAP TO HANDLE THE SHEER STRESS OF THE SLOPE/CHANNEL.
-FOR SLOPE AND/OR CHANNEL PROTECTION SEE OTHER BMP'S ON THIS SHEET OR IN THE WRC SOIL EROSION MANUAL.

CHECK DAMS ALTERNATIVE "A" (E-3A)



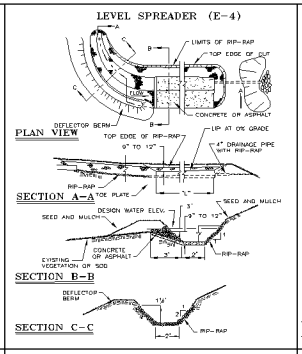
-FOR SLOPE AND/OR CHANNEL PROTECTION SEE OTHER BMP'S ON THIS SHEET OR IN THE WRC SOIL EROSION MANUAL.

CHECK DAMS ALTERNATIVE "B" (E-3B)

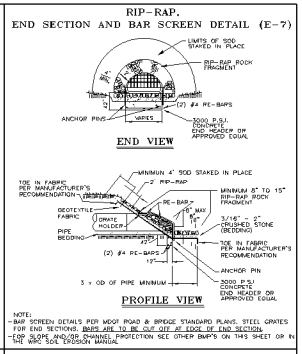


-FOR SLOPE AND/OR CHANNEL PROTECTION SEE OTHER BMP'S ON THIS SHEET OR IN THE WRC SOIL EROSION MANUAL.

LEVEL SPREADER (E-4)



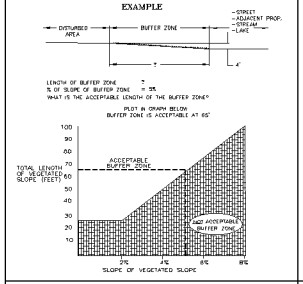
RIP-RAP, END SECTION AND BAR SCREEN DETAIL (E-7)



NOTE:
-BAR SCREEN DETAILS PER MDOT ROAD & BRIDGE STANDARD PLANS. STEEL GRATES FOR END SECTIONS. BARS ARE TO BE CUT OFF AT EDGE OF END SECTION.
-FOR SLOPE AND/OR CHANNEL PROTECTION SEE OTHER BMP'S ON THIS SHEET OR IN THE WRC SOIL EROSION MANUAL.

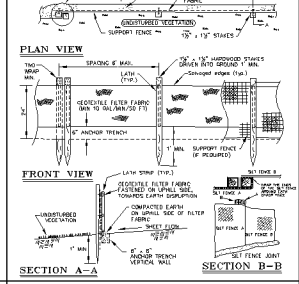
VEGETATIVE BUFFER ZONE (SP-1)

THE GRAPH SHOWN BELOW IS USED TO DETERMINE THE ADEQUACY OF AN EXISTING VEGETATIVE BUFFER ZONE FOR USE AS A SEDIMENT FILTER. THIS GRAPH IS ONLY APPLICABLE IF THE VEGETATION IS MOSTLY DENSE AND AT LEAST 1' IN LENGTH OVER EVERY SQUARE FOOT OF DISTURBED SOIL. AN AREA COVERED WITH WEEDS, OR BUSHES AND TREES WITHOUT A GOOD GROUND COVER IS NOT ACCEPTABLE.



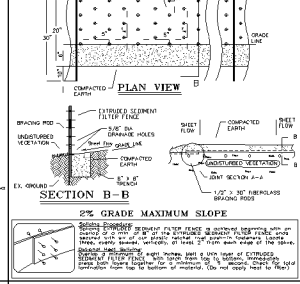
SILT FENCE (SP-2)

(MATERIAL: AMOCO PROPEX PEX 2130 OR APPROVED EQUIVALENT)



SILT FENCE ALTERNATIVE "A" (SP-2A)

(MATERIAL: SILT SHIELD OR APPROVED EQUIVALENT)

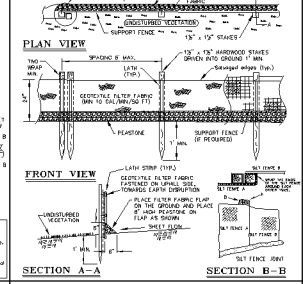


2% GRADE MAXIMUM SLOPE

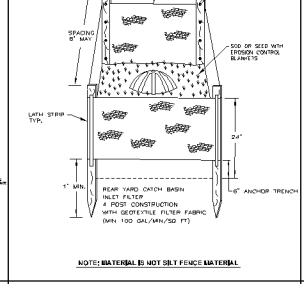
Installation Procedures:
1. Place the end of the sediment filter fence in continuous longitudinal with an incline of 2 or more. Of 8" of the sediment filter fence shall be secured with an all use plastic netting (not polypro). Tensiness Loose, three, evenly spaced, vertically, of twelve 2" triple wraps of the spool.
Material Specifications:
Sediment Filter Fence: Eight inches wide x inch layer of extruded sediment filter fence with spool from log to bottom, minimum. press both layers together for a minimum of 5 seconds. Check for total penetration from top to bottom of material. (Do not apply heat to fiber.)

WINTER/FROZEN GROUND SILT FENCE (SP-2W)

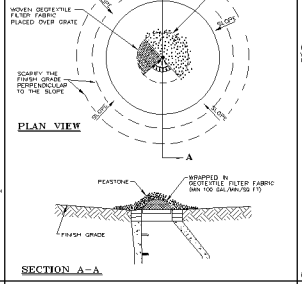
(MATERIAL: AMOCO PROPEX PEX 2130 OR APPROVED EQUIVALENT)



RYCB INLET FILTER (SI-3)

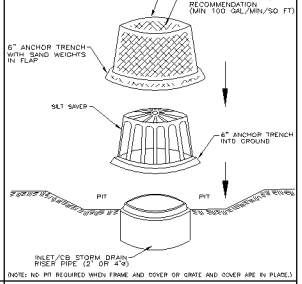


RYCB INLET FILTER ALTERNATIVE "A" (SI-3A)



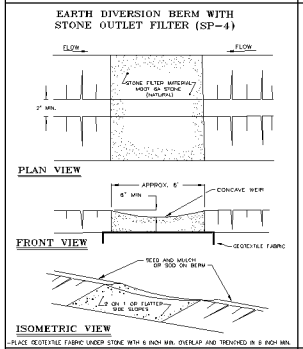
RYCB INLET FILTER ALTERNATIVE "B" (SI-3B)

MATERIAL: SILT SAVER OR APPROVED ALTERNATIVE



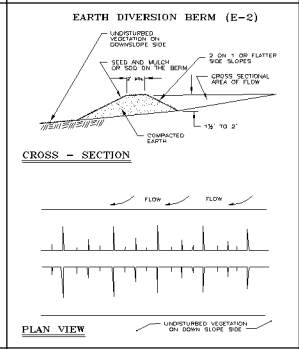
(NOTE: NO PIT REQUIRED WHEN FRAME AND COVER OR GRATE AND COVER ARE IN PLACE.)

EARTH DIVERSION BERM WITH STONE OUTLET FILTER (SP-4)

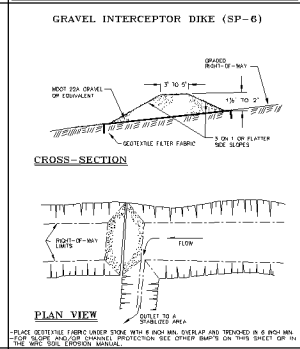


-PLACE GEOTEXTILE FABRIC UNDER STONE WITH 6 INCH MIN. OVERLAP AND TRENCHED IN 6 INCH MIN.

EARTH DIVERSION BERM (E-2)



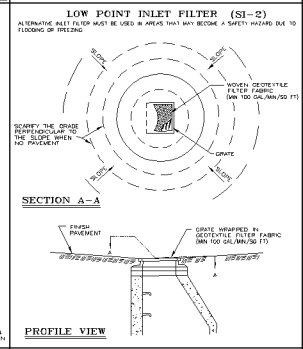
GRAVEL INTERCEPTOR DIKE (SP-6)



-PLACE GEOTEXTILE FABRIC UNDER STONE WITH 6 INCH MIN. OVERLAP AND TRENCHED IN 6 INCH MIN.
-FOR SLOPE AND/OR CHANNEL PROTECTION SEE OTHER BMP'S ON THIS SHEET OR IN THE WRC SOIL EROSION MANUAL.

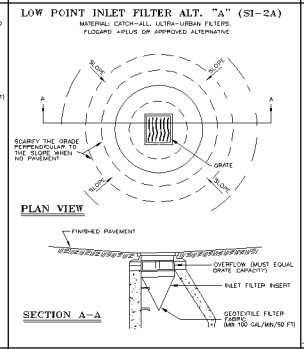
LOW POINT INLET FILTER (SI-2)

ALTERNATIVE INLET FILTER MUST BE USED IN AREAS THAT MAY BECOME A SAFETY HAZARD DUE TO FLOODING OR FREEZING

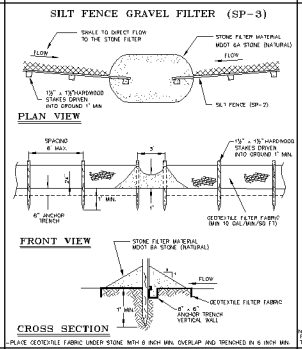


LOW POINT INLET FILTER ALT. "A" (SI-2A)

MATERIALS: CATCH-ALL ULTRA-URBAN FILTERS, FLOGARD +PLUS OR APPROVED ALTERNATIVE

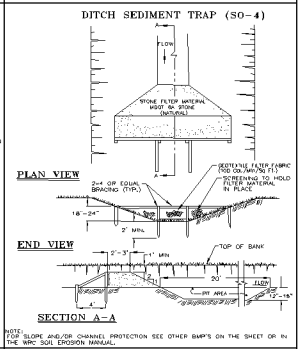


SILT FENCE GRAVEL FILTER (SP-3)



-PLACE GEOTEXTILE FABRIC UNDER STONE WITH 6 INCH MIN. OVERLAP AND TRENCHED IN 6 INCH MIN.

DITCH SEDIMENT TRAP (SO-4)

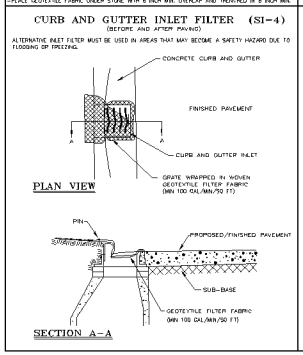


NOTE:
-FOR SLOPE AND/OR CHANNEL PROTECTION SEE OTHER BMP'S ON THE SHEET OR IN THE WRC SOIL EROSION MANUAL.

CURB AND GUTTER INLET FILTER (SI-4)

(BEFORE AND AFTER PAVING)

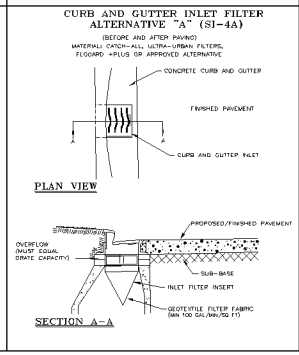
ALTERNATIVE INLET FILTER MUST BE USED IN AREAS THAT MAY BECOME A SAFETY HAZARD DUE TO FLOODING OR FREEZING.



CURB AND GUTTER INLET FILTER ALTERNATIVE "A" (SI-4A)

(BEFORE AND AFTER PAVING)

MATERIALS: CATCH-ALL ULTRA-URBAN FILTERS, FLOGARD +PLUS OR APPROVED ALTERNATIVE

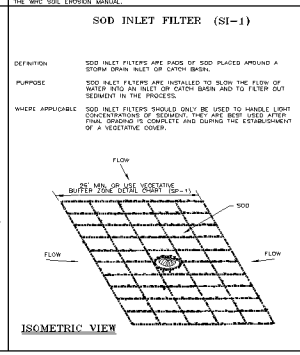


SOD INLET FILTER (SI-1)

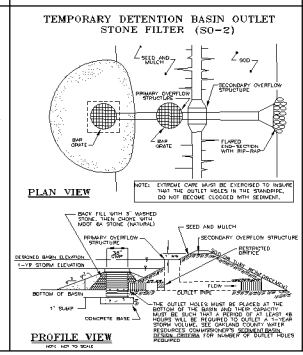
DEFINITION — SOD INLET FILTERS ARE PADS OF SOD PLACED AROUND A STORM DRAIN INLET OR CATCH BASIN.

PURPOSE — SOD INLET FILTERS ARE INSTALLED TO SLOW THE FLOW OF WATER INTO AN INLET OR CATCH BASIN AND TO FILTER OUT SEDIMENT IN THE PROCESS.

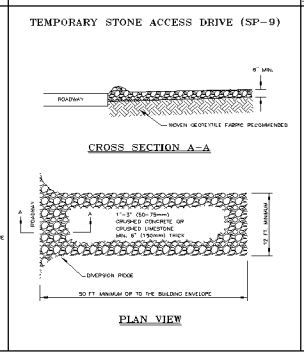
WHERE APPLICABLE — SOD INLET FILTERS SHOULD ONLY BE USED TO HANDLE LIGHT CONCENTRATIONS OF SEDIMENT. THEY ARE BEST USED AFTER FINAL GRADING IS COMPLETE AND DURING THE ESTABLISHMENT OF A VEGETATIVE COVER.



TEMPORARY DETENTION BASIN OUTLET STONE FILTER (SO-2)

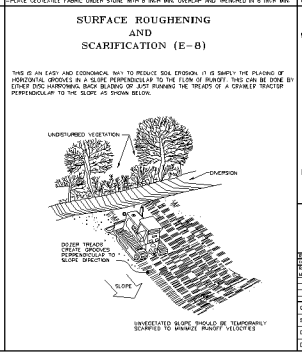


TEMPORARY STONE ACCESS DRIVE (SP-9)



SURFACE ROUGHENING AND SCARIFICATION (E-8)

THIS IS AN EASY AND ECONOMICAL WAY TO REDUCE SOIL EROSION. IT IS SIMPLY THE PLACING OF HORIZONTAL GROOVES IN A SLOPE PERPENDICULAR TO THE FLOW OF RUNOFF. THIS CAN BE DONE BY EITHER DIG HARDPAN, BACK BLADING OR JUST RUNNING THE TREADS OF A CRAWLER TRACTOR PERPENDICULAR TO THE SLOPE AS SHOWN BELOW.



NOTE:

WHILE PERFORMING WORK INVOLVING GROUNDS MAINTENANCE AND/OR THE CONSTRUCTION/MAINTENANCE OF ANY INFRASTRUCTURE, INCLUDING ROADS, WATER MAINS, SANITARY SEWERS, STORM DRAINS AND STORM WATER BEST MANAGEMENT PRACTICES (BMPS), CONTRACTORS SHALL MINIMIZE POLLUTION FROM STORM WATER RUNOFF THAT CAN AFFECT WATER QUALITY RELATED TO WORK ACTIVITIES. POLLUTANTS THAT COULD IMPAIR WATER QUALITY MAY INCLUDE FUEL, GREASE AND OIL, NUTRIENTS, BACTERIA AND PATHOGENS, LITTER AND DEBRIS, AND SOIL EROSION AND SEDIMENTATION. APPLICABLE BMPS SHALL BE IMPLEMENTED BY THE CONTRACTOR TO THE MAXIMUM EXTENT PRACTICABLE TO PROTECT WATER QUALITY AND WILDLIFE HABITAT.

SOIL EROSION AND SEDIMENTATION CONTROL DETAILS

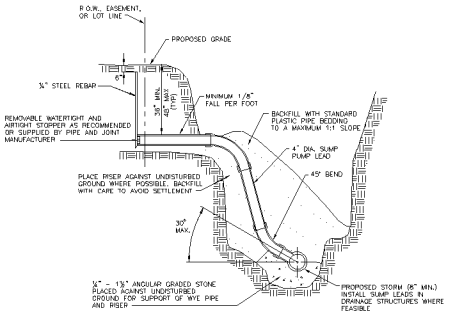
Mod No	Date	Rev. Initials	Description
0	8/2	SCARR	INITIAL ISSUE
1	8/2	SCARR	REVISED PER DEPARTMENT COMMENTS
2	10	SCARR	REVISED PER WRC & DEPARTMENT
3	11	SCARR	REVISED PER WRC & DEPARTMENT

ORIG. DATE: 07/01/01
SCALE: NONE
DESIGNED BY: CLRC
DRAWN BY: Wesley

WRC
WATER RESOURCES COMMISSIONER
Tim Nash

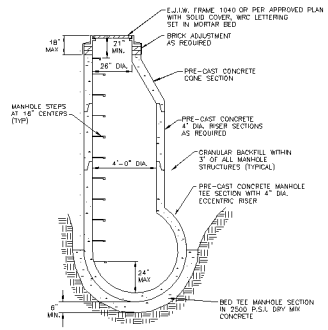
UNIT PUBLICATION DESIGN & BUDGET
JOINT TECHNICAL SERVICES
DIVISION

SHEET NO.: 1 of 1



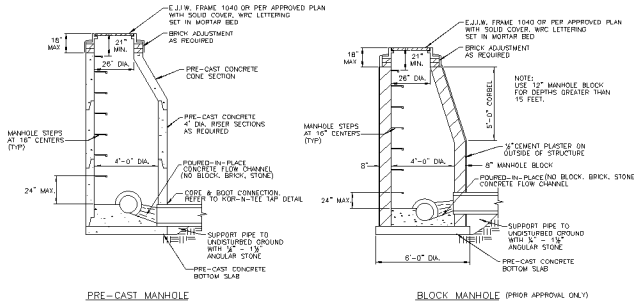
HOUSE LEAD DETAIL FOR 4" DIA. PLASTIC SUMP PUMP LEADS

NO SCALE



PRE-CAST TEE MANHOLE DETAIL

NO SCALE



PRE-CAST MANHOLE

BLOCK MANHOLE (PRIOR APPROVAL ONLY)

STANDARD MANHOLE DETAILS

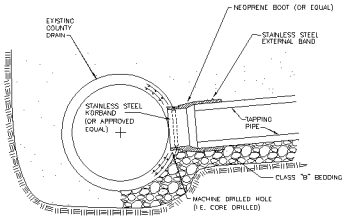
NO SCALE

GENERAL NOTES

1. Type and class of pipe shall be as specified on plans.
2. Class "B" bedding shall be used throughout, unless otherwise specified on the plan.
3. All end sections 18" and larger shall be provided with a bar screen unless otherwise approved.
4. Standard rip-rap shall be 8"-15" fragmented rock, heavy rip-rap shall be 16"-24" fragmented rock. (No Broken Concrete)
5. MANHOLE REQUIREMENTS:
   - All new catch basins, inlets, and manholes are to be manufactured to ASTM C-478 specifications.
   - All new catch basins, inlets, and manholes shall have WRC approved flexible, watertight seals where pipes pass through walls Manholes shall be of precast sections with modified groove tongue and rubber gasket type joints Pre cast manhole cone sections shall be WRC approved modified eccentric cone type.
   - Taps through manhole joints or cone sections are prohibited unless otherwise approved.
   - Manhole steps to be plastic coated steel meeting the requirements in ASTM D 2146, Type II, Grade 49108, MA. Industries P.S.I. Polypropylene, (or approved equal). Steps to be installed during manhole manufacture Place at 16" centers 45" from centerline of sewer.
   - Cone section with modified groove tongue joints and with stud inserts cast in place. Top to have flush surface.
   - ASTM C-478 riser section with modified groove tongue joints.
   - Res-seal, link-seal, press wedge II, or kor-n-seal boot (with stainless steel korband) flexible rubber manhole joints (or approved equal)
   - The inside joints of manholes, catch basins, and pipe sizes over 42" and larger in diameter shall be pointed up with mortar upon completion of backfilling.
6. CONCRETE PIPE REQUIREMENTS:
   - Concrete pipe to be per ASTM C76 standards.
   - It will be required to TV all pipe 30 days after installation
   - The contractor shall provide reinforced concrete pipe as specified on the plans
   - All reinforced concrete pipe shall have modified grooved tongue joints with o-ring type rubber gasket, per A.S.T.M. specifications C443.
   - The inside joints of manholes, catch basins, and pipe sizes over 42" and larger in diameter shall be pointed up with mortar upon completion of backfilling.
7. SUMP PUMP LEAD REQUIREMENTS:
   - All sump pump leads connected to a County Drain pipe shall be pre-manufactured.
   - Sump pump leads connected to a manhole shall be cored and booted. Refer to Kor-N-Tee Tap Detail.
   - Sump pump mains and leads shall be ABS (truss and solid wall), PVC (truss, solid wall . A2000), ADS N-12 WT with premium joints.
   - Ends of all 4" sump pump leads shall be temporarily capped and their location staked, witessed and recorded.
   - All sump pump pump leads to be taken to the property line, easement line or as indicated on the plan.
   - Sump pump mains must have a cleanout with a minimum inside diameter of 24" and be constructed at changes of alignment, ends of sump pump mains or as indicated on the plan.
8. RESTORATION REQUIREMENTS:
   All disturbed area within the County Drain right-of-way shall be restored as follows:
   - Under roads, sidewalks, driveways and parking areas, backfill material shall be placed loosely into trenches in six (6) inch layers with each layer compacted to not less than 95% of maximum dry density as determined by the ASTM D 1557 Compaction Standard (modified proctor compaction test). All other areas shall have each layer compacted to not less than 90% of maximum dry density.
   - Finish subgrade
   - Place 3" thickness clean topsoil acceptable to the engineer to attain finished grade. Topsoil must not be contaminated and may not be a mixture of natural underlying soils, subbase materials, or other materials. It must consist of natural loam, sandy loam, silty loam or clay loam humus-bearing soil adapted to the sustenance of plant life. Topsoil must be neither excessively acidic nor excessively alkaline. It must be of mineral origin, exclusive of any peat or muck.
   - Apply seed and fertilizer as follows:*

Location	Seeding Requirements	Fertilizer Requirement
Slopes and Ditch, Banks, Etc.	M.D.O.T "Roadside Mix" Turf Seed Mixture TCM (10% Kentucky Blue, 20% Perennial Rye, 30% Hard Fescue, 40% Creeping Red Fescue) applied at 220 lb/acre	M.D.O.T Seeding and Sodding Fertilizers, Class A
Other Areas	M.D.O.T. "Roadside Mix" Turf Seed Mixture THM (30% Kentucky Blue, 20% Perennial Rye, 50% Creeping Red Fescue) applied at 220 lb/acre	M.D.O.T. Seeding and Sodding Fertilizers, Class A

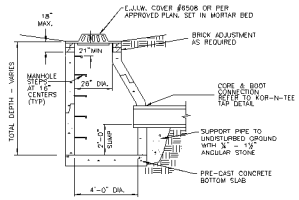
   * Sod is required in maintained lawn areas. Refer to WRC General Specifications for additional requirements and information.
   - apply straw or marsh hay mulch in an air-dry condition to all seeded areas over the surface to a uniform thickness of 2 tons/acre.
   - mulch shall be anchored in place with biodegradable netting, not larger than 1½" by 2" nor smaller than ¼" by ¼".
   - The contractor shall be responsible to insure the growth of all seeded areas, and shall re-seed as necessary to accomplish this.
9. The Storm Drain Notes and Details Sheet shall be a supplement to WRC Standards and Specifications, which are available on the WRC website (www.oakgov.com/water)



KOR-N-TEE TAP (OR APPROVED EQUAL)

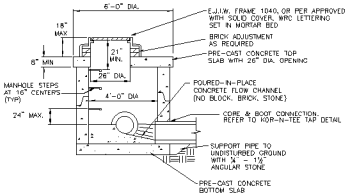
NO SCALE

* For non-concrete to concrete taps.
* Use link-seal, A-lock or approved equal for concrete to concrete taps.



PRE-CAST CATCH BASIN DETAIL

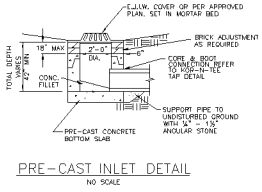
NO SCALE



PRE-CAST LOW HEAD MANHOLE DETAIL

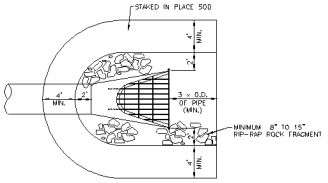
NO SCALE

(PRIOR APPROVAL ONLY)

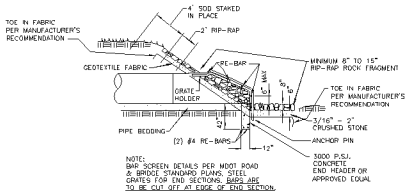


PRE-CAST INLET DETAIL

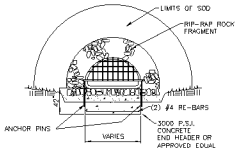
NO SCALE



PLAN VIEW



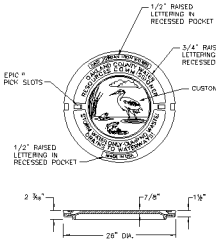
PROFILE VIEW



END VIEW

END SECTION AND BAR SCREEN DETAIL

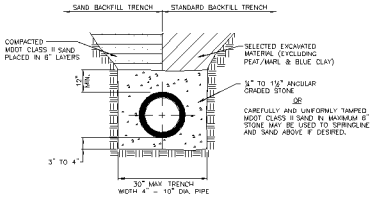
NO SCALE



EAST JORDAN IRON WORKS OR APPROVED EQUAL
HEAVY DUTY MATERIAL ASTM A48 CL.35B
CATALOG NO. 1040A
PATTERN NO. 1040A, PRODUCT NO. 10471B OAKCOSTD.
2" HIGH RAISED LETTERS, 1" WIDE RAISED LETTERS
ALL IN RECESSED POCKET.

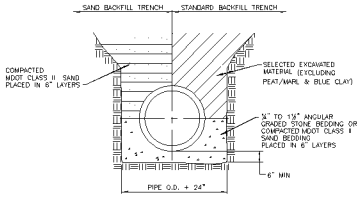
LETTERED MANHOLE COVER FOR WRC

NO SCALE



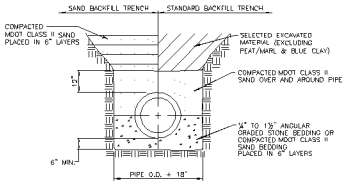
ABS (TRUSS AND SOLID WALL), PVC (TRUSS, SOLID WALL, A2000), ADS N-12 WT PIPE BEDDING DETAIL

NO SCALE



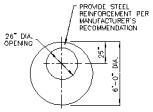
CLASS "B" BEDDING TRENCH DETAIL FOR 27" DIAMETER AND LARGER CONCRETE PIPE

NO SCALE



CLASS "B" BEDDING TRENCH DETAIL FOR 24" DIAMETER AND SMALLER CONCRETE PIPE

NO SCALE



PRECAST CONCRETE TOP SLAB DETAIL

STORM DRAIN NOTES AND DETAILS

REVISION BLOCK

Date Source / Source Detail 48			
Rev. Mod	Rev. Sys	Rev. Date	Descriptions
1	P	3/2/01	PROPOSED DETAIL CHANGES MADE BY DJ/MD
2	P	11/1/01	REVISION WITH STANDARD COVER "T"
3	P	12/3/01	PRE-BIDDER CHANGES
4	BS	06/01/05	MANHOLE CHANGES

ORIG. DATE:	05/02/ by	WRC WATER RESOURCES COMMISSIONER Jim Nash	CNF PUBLIC WORKS BRIDGE IN DQ 25 (WEST WATERFORD), LBC-R3648 48S2241007
SCALE:	NONE		
DESIGNED BY:	WRC		SHEET NO.: 1 of 1
DRAWN BY:	Mapping		