

TOTAL SAFE SPACE STORAGE

61400 VAN DYKE RD. WASHINGTON TWP., MICHIGAN

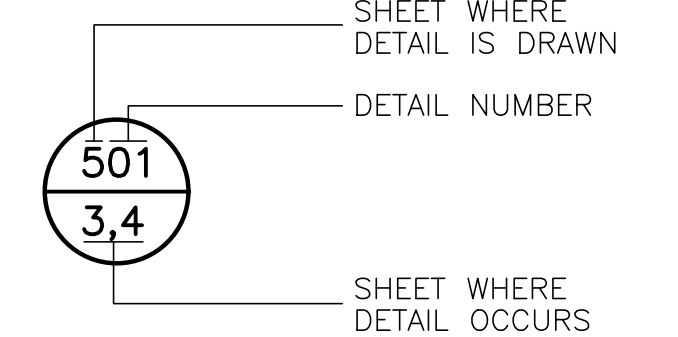


WEST ELEVATION - BLDG. 1 (BLDG. 2 IDENTICAL)

FELINO A. PASCUAL & ASSOC.
24333 ORCHARD LAKE RD. SUITE G
FARMINGTON HILLS, MICHIGAN 48336
(248) 557-5588
Email: felino@fpa.design



THE INTERNATIONAL SYMBOL
OF ACCESSABILITY FOR THE
PHYSICALLY HANDICAPPED TO
BE POSTED AS REQUIRED BY
MICHIGAN STATE LAW.



ARCHITECTURAL / ENGINEERING

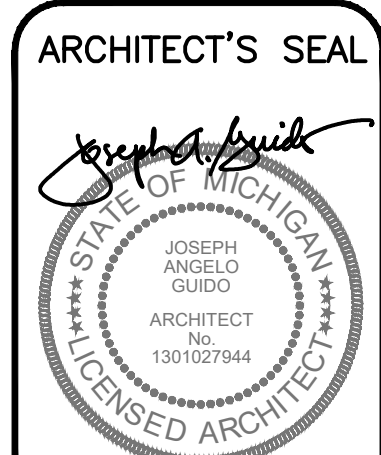
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MECHANICAL / ELECTRICAL / PLUMBING

[illegible]

THESE CONSTRUCTION DOCUMENTS WERE PREPARED FOR COMPLIANCE WITH THE MICHIGAN CONSTRUCTION CODES IN EFFECT AT THE TIME OF PERMIT SUBMITTAL. ALL ENGINEERS, CONTRACTORS AND SUPPLIERS INVOLVED WITH THIS PROJECT SHALL COMPLY WITH THE SAME CODES, ISSUED AND APPROVED CODE MODIFICATIONS AND/OR MUNICIPALITY CONSTRUCTION BOARDS OF APPEALS RULINGS AND WHENEVER REQUIRED SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS CLEARLY DESCRIBING COMPLIANCE TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW AND APPROVAL.

ISSUED	
SPA	1/8/24
REVISÉ	



JOB NO.
2212

SHEET NO.
T-1

STORMWATER DETENTION CALCULATIONS

BACKGROUND INFORMATION
Developed Area Tributary to Pond #1
Runoff Coefficient
Time of Concentration

A= 3.074 Acres (Includes Pond)
C= 0.95 Industrial
Tc= 25 Minutes

Allowable Outflow:
Variable Release Rate:
Q_{max} = 1.1055 x 0.206 x LN(A)
Q_{max} = 0.87 CFS/AC.

Allowable Outflow = Q_{max} x A = 2.67 CFS

100-Year Storm Inflow:
Q_{100-year} = 100-year storm inflow use Rational Method: Q=CIA

C = 0.95
I = 275
Tc = 25 min.

A = 3.074 Acres
Q_{100-year} = CIA = 16.06 CFS

WATER QUALITY CONTROL (WQC)

V₁₀₀ = 3,630 x 1.2 x C x A

V₁₀₀ = 10,601 Cu. Ft.

Note: This is satisfied by the wet bottom pond with extended detention.

CHANNEL PROTECTION VOLUME CONTROL (CPVC)

V_{CPVC} = 3,630 x 1.2 x C x A

V_{CPVC} = 12,721 Cu. Ft.

Note: This will be addressed during detailed engineering.

CHANNEL PROTECTION RATE CONTROL -

EXTENDED DETENTION (CPRC)

V₁₀₀ = 3,630 x 1.9 x C x A

V₁₀₀ = 20,141 Cu. Ft.

Note: This will be addressed during detailed engineering.

DETENTION & FLOOD CONTROL (DFC)

Primary Design: The greater of Macomb County Method or 2" over tributary area

I. New Macomb County Method Detention Volume Requirements

V_{100DET} = (V_{100DET} x R) - V_{CPVC}

V_{100DET} = 3,630 x 5.2 x C x A = 55,124 Cu. Ft.

V_{CPVC} = Infiltration Volume, use conservative presumption = 0

R = 0.206 - 0.15 x LN(Q_{100year}/Q_{100year})

Q_{100year} = Allowable Outflow = 2.67 CFS

Q_{100year} = Peak 100-yr Inflow = 16.06 CFS

R = 0.206 - 0.15 x LN(Q_{100year}/Q_{100year}) = 0.475

V_{100DET} = (V_{100DET} x R) - V_{CPVC} = 26,184 Cu. Ft.

II. 100-Year Detention per 0.2" Over Tributary Area Method:

V_{100DET} = A x 0.2 x 43,560 = 26,781 Cu. Ft.

Use the Larger of the Two = 26,781 Cu. Ft.

Detention Volume Provided (Pond #1)

V_{100DET} = 1/3 x H x (A₁ + A₂ + V(A₁A₂))

V_{100DET} = 29,976 Cu. Ft. > 26,781 Cu. Ft. so okay!

Elevation Area (S.F.) H (Ft.) Volume (Cu. Ft.)

735.00 12,832 4.00 29,976

731.00 3,221

V_{100DET} = 29,976 Cu. Ft. > 26,781 Cu. Ft. so okay!

740

735

TYPICAL BERM SECTION

(NO SCALE)

Contractor Note:

The locations of existing underground utilities

are shown in an approximate way only.

The contractor shall determine the exact location

of all existing utilities before commencing

work. He agrees to be fully responsible for

any and all damages which might be

occasioned by his failure to exactly locate

and preserve any and all underground utilities.

811

KNOW WHAT'S BELOW.

CALL BEFORE YOU DIG.

100' TO 150' WIDE SUBDIVISION

MACOMB COUNTY MACOMB COUNTY

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STORMWATER DETENTION CALCULATIONS

BACKGROUND INFORMATION
Developed Area Tributary to Pond #2
Runoff Coefficient
Time of Concentration

A= 12.74 Acres (Includes Pond)
C= 0.55 Gravel
Tc= 25 Minutes

Allowable Outflow:
Variable Release Rate:
Q_{max} = 1.1055 x 0.206 x LN(A)
Q_{max} = 0.58 CFS/AC.

Allowable Outflow = Q_{max} x A = 7.39 CFS

100-Year Storm Inflow:
Q_{100-year} = 100-year storm inflow use Rational Method: Q=CIA

C = 0.55
I = 275
Tc = 25 min.

A = 12.74 Acres
Q_{100-year} = CIA = 38.55 CFS

WATER QUALITY CONTROL (WQC)

V₁₀₀ = 3,630 x 1.2 x C x A

V₁₀₀ = 25,443 Cu. Ft.

Note: This is satisfied by the wet bottom pond with extended detention.

CHANNEL PROTECTION VOLUME CONTROL (CPVC)

V_{CPVC} = 3,630 x 1.2 x C x A

V_{CPVC} = 30,532 Cu. Ft.

Note: This will be addressed during detailed engineering.

CHANNEL PROTECTION RATE CONTROL -

EXTENDED DETENTION (CPRC)

V₁₀₀ = 3,630 x 1.9 x C x A

V₁₀₀ = 48,342 Cu. Ft.

Note: This will be addressed during detailed engineering.

DETENTION & FLOOD CONTROL (DFC)

Primary Design: The greater of Macomb County Method or 0.2" over tributary area

I. New Macomb County Method Detention Volume Requirements

V_{100DET} = (V_{100DET} x R) - V_{CPVC}

V_{100DET} = 3,630 x 5.2 x C x A = 132,306 Cu. Ft.

V_{CPVC} = Infiltration Volume, use conservative presumption = 0

R = 0.206 - 0.15 x LN(Q_{100year}/Q_{100year})

Q_{100year} = Allowable Outflow = 7.39 CFS

Q_{100year} = Peak 100-yr Inflow = 38.55 CFS

R = 0.206 - 0.15 x LN(Q_{100year}/Q_{100year}) = 0.454

V_{100DET} = (V_{100DET} x R) - V_{CPVC} = 60,067 Cu. Ft.

II. 100-Year Detention per 0.2" Over Tributary Area Method:

V_{100DET} = A x 0.2 x 43,560 = 111,026 Cu. Ft.

Use the Larger of the Two = 111,026 Cu. Ft.

Detention Volume Provided (Pond #2)

V_{100DET} = 1/3 x H x (A₁ + A₂ + V(A₁A₂))

V_{100DET} = 113,013 Cu. Ft. > 111,026 Cu. Ft. so okay!

Elevation Area (S.F.) H (Ft.) Volume (Cu. Ft.)

728.00 32,328 5.00 113,013

723.00 14,117

V_{100DET} = 113,013 Cu. Ft. > 111,026 Cu. Ft. so okay!

740

735

TYPICAL BERM SECTION

(NO SCALE)

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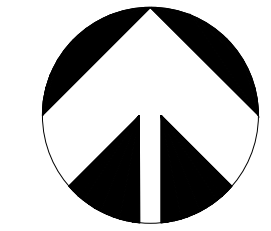
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SOILS

- Od** GILFORD SANDY LOAM
0"-10" VERY DARK GRAY SANDY LOAM, 10"-14" GRAY SANDY LOAM, 14"-30" GRAYISH BROWN GRAVELY SANDY LOAM, 30"-50" LIGHT GRAY GRAVELY SAND, MODERATELY RAPID TO RAPID PERMEABILITY, VERY SLOW OR PONDED RUNOFF, HIGH WATER TABLE.
- Lu** LUPTON MUCK (0 TO 2% SLOPES)
0"-8" VERY DARK BROWN MUCK, 32"-54" VERY DARK BROWN PEATY MUCK, 54"-60" DARK BROWN FIBROUS PEAT, VERY HIGH AVAILABLE MOISTURE CAPACITY, RUNOFF IS VERY SLOW, RAPID PERMEABILITY.
- Ta** TAWAS MUCK (0 TO 2% SLOPES)
0"-18" BLACK MUCK, 18"-60" GRAY SAND, RAPID PERMEABILITY IN ARTIFICIALLY DRAINED AREAS, WATER TABLE NEAR THE SURFACE IN UNDRAINED.

NORTH



SCALE: 1"=50'

0' 25' 50' 100' 150'

BENCHMARKS

- DATUM=NAVD83
1. TOP BOLT ON W. LEG DE TOWER IN NW PART OF SITE. ELEVATION=727.52
 2. CB ON W. SIDE VAN DYKE. ELEVATION=734.77
 3. CB 65' S. OF N. PL. 130' E. OF W. PL. ELEVATION=733.85
 4. TOP WELL, 230' S. OF N. PL. 190' E. OF W. PL. ELEVATION=737.17



22

LOCATION MAP

SCALE: 4" = 1 MILE

PROPERTY DESCRIPTION

Land in the Southeast 1/4 of Section 22, T.4N., R.12E., Washington Township, Macomb County, Michigan is described as: Commencing at the South 1/4 Corner of Section 22; thence N.01°46'08"E. as measured (N.02°24'17"E. record), 657.93 feet along the north-south 1/4 line of Section 22 to the Point of Beginning; thence continuing along said line N.01°46'08"E., 110.52 feet as measured (N.02°24'17"E., 122.00 feet record); thence N.32°31'30"E., 576.99 feet as measured (N.32°33'15"E., 564.25 feet record) along the southeasterly line of Van Dyke Avenue (66 feet wide); thence N.89°14'21"E., 995.65 feet as measured (N.89°16'12"E., 993.73 feet record); thence S.00°50'10"W. as measured (S.00°50'47"W. record), 606.20 feet; thence S.89°49'19"W., 1300.36 feet as measured (1293.45 feet record) to the Point of Beginning and containing 16.20 acres.

SITE CRITERIA

- PARCEL IDENTIFICATION #: 04-22-400-008
- EXISTING ADDRESS: 61400 VAN DYKE AVENUE
- EXISTING ZONING: IND
- ADJACENT ZONINGS: IND, A1
- AREA OF SITE: 16.20 ACRES

LEGEND

- 100 EXISTING CONTOURS
- 10000 EXISTING GRADE
- EXISTING GRAVEL
- EXISTING PAVEMENT
- SOIL DISTRICT
- 25' NATURAL FEATURE SETBACK

TOPOGRAPHY LEGEND

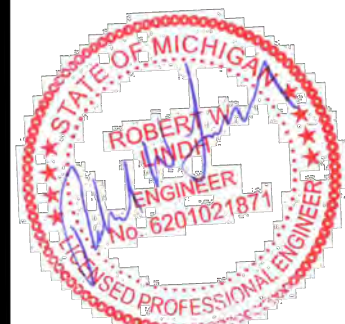
- WATER MAIN
- STORM SEWER
- SANITARY SEWER
- EASEMENT
- EX. U.G. ELEC.
- EX. U.G. WIRE
- EX. U.G. TELE.
- EX. U.G. GAS
- ROUND CATCH BASIN
- SQUARE CATCH BASIN
- UTILITY MANHOLE
- STORM MANHOLE
- END OF PIPE
- SANITARY MANHOLE
- CLEAN-OUT
- MANHOLE
- HYDRANT
- GATE VALVE WELL
- WATER VALVE
- WATER BOX
- VALVE
- LIGHT POLE
- AIR CONDITIONER
- MAIL BOX
- FENCE POST
- DOWN SPOUT
- SOIL BORING
- ELEC TRANS PAD
- UTILITY POLE
- GUY ANCHOR
- GUY POLE
- SIGN POST
- SPRINKLER HEAD
- GAS METER
- TELEPHONE RISER
- ELECTRICAL RISER
- CABLE TV RISER
- FINISHED FLOOR
- GARAGE FLOOR
- BASEMENT FLOOR
- CONC. CONCRETE
- SET MAG. NAIL
- SET IRON BAR
- FOUND IRON BAR
- FOUND C. MONUMENT

EXISTING CONDITIONS
PART OF THE S.E. 1/4 OF SECTION 22
T.4N., R.12E., WASHINGTON TOWNSHIP,
MACOMB COUNTY, MICHIGAN

DATE
211016-10668
Job No.
4-26-2023
Scale
1"=60'
Drawn
DKZ
Check
R. LINDH
Sheet
2 OF 2
Fid. Bk.

PROPOSED
TOTAL SAFE SPACE STORAGE

FOR:
VINCE CRAULO
PROPERTIES, LLC
51800 VAN DYKE
WASHINGTON, MI 48094
(586) 731-3670



PHONE 586 731-8030
WWW.URBAN-LAND.COM
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LAND
CONSULTANTS ©
CIVIL ENGINEERS PLANNERS LAND SURVEYORS
8800 23 MILE ROAD SHELBY TWP., MI 48316-4516

EXISTING CONDITIONS - SHEET 2 of 2



PROPERTY DESCRIPTION:

Land in the Southeast 1/4 of Section 22, T.4N., R.12E., Washington Township, Macomb County, Michigan is described as: Commencing at the South 1/4 Corner of Section 22; thence N.01°46'08"E. as measured (N.02°24'12"E. as shown on the plat) 100.00 feet to the intersection of the N.1/4 line of Section 22 to the Point of Beginning; thence continuing along line N.01°46'08"E. 113.52 feet as measured (N.02°24'12"E. as shown on the plat) 122.00 feet record; thence S.03°31'30"E. 576.95 feet as measured (S.03°31'15"E. as shown on the plat) along the southeasterly line of Van Dyke Avenue (168 feet wide); thence N.89°14'21"E. 995.65 feet as measured (N.89°12'18"E. 993.73 feet record); thence S.05°05'10"W. as measured (S.05°05'47"W. record), 620.06 feet; thence S.19°19'19"W. 45.45 feet (S.19°19'19"W. 45.45 feet record) to the Point of Beginning and containing 16.20 acres.



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JAG	
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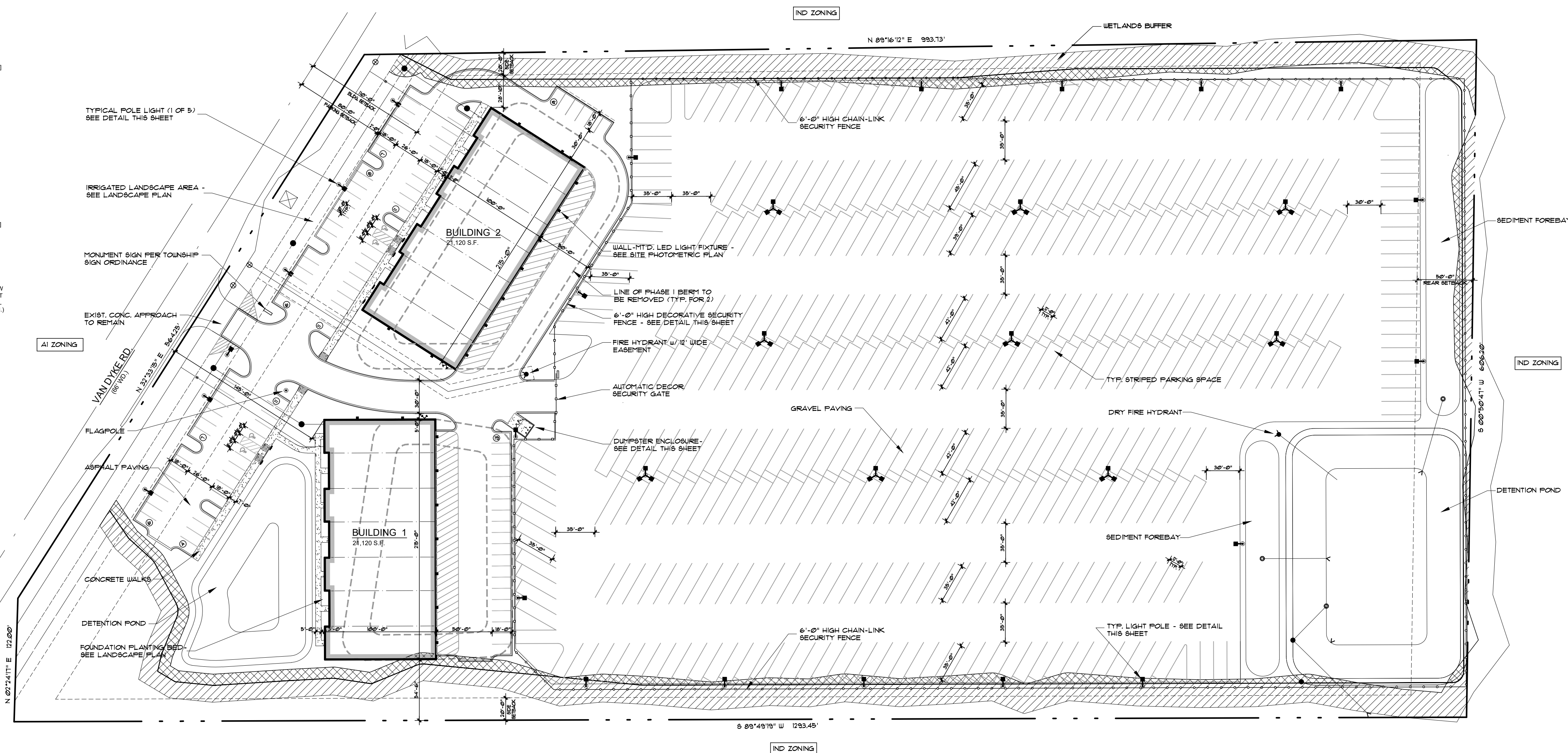
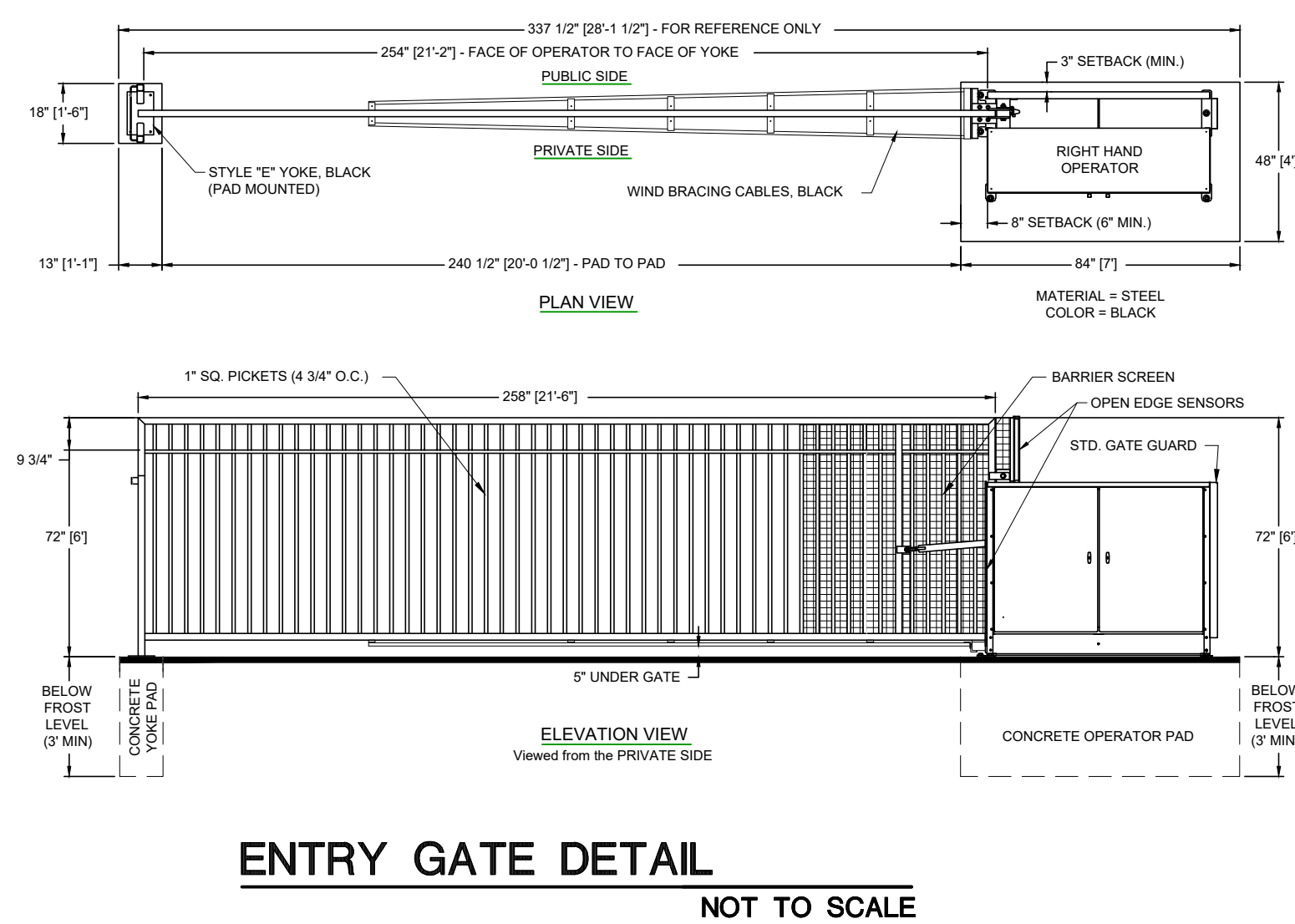
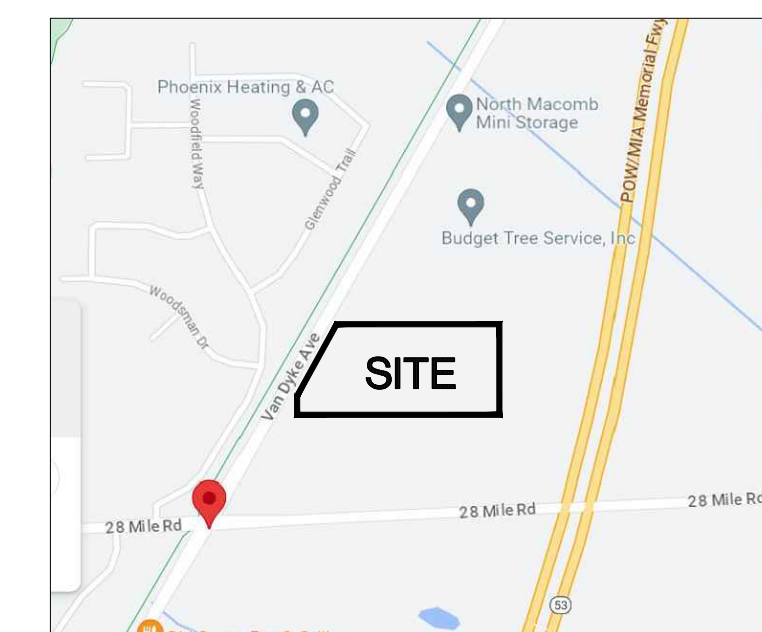
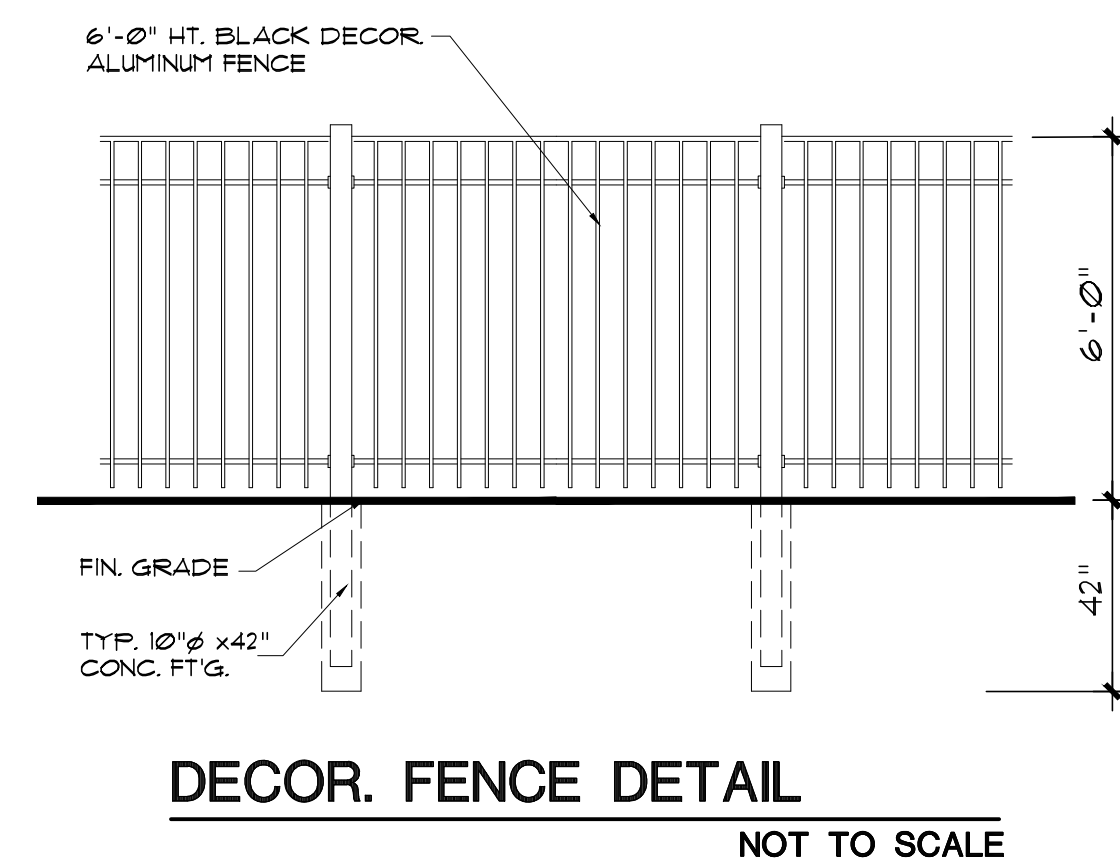
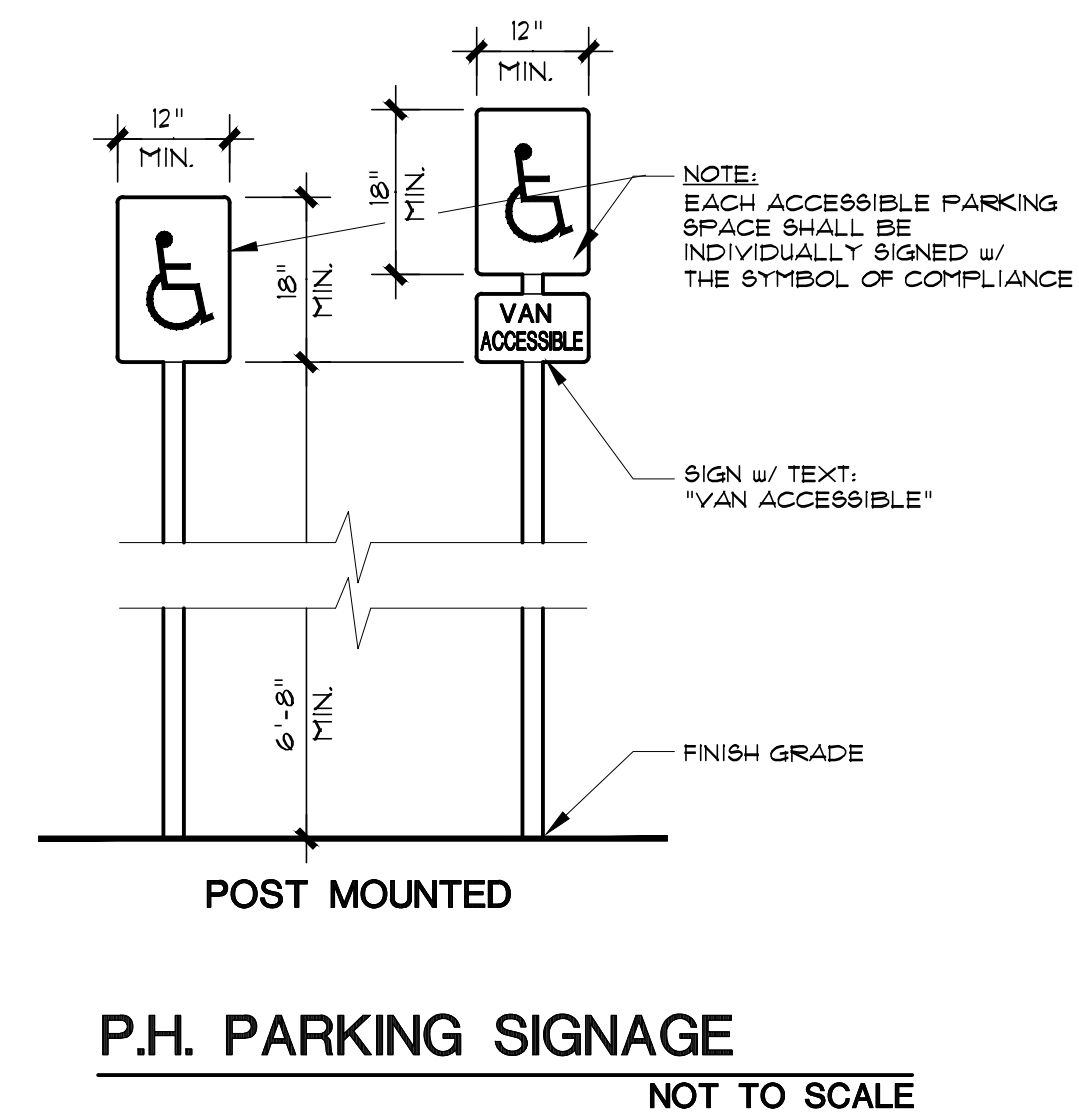
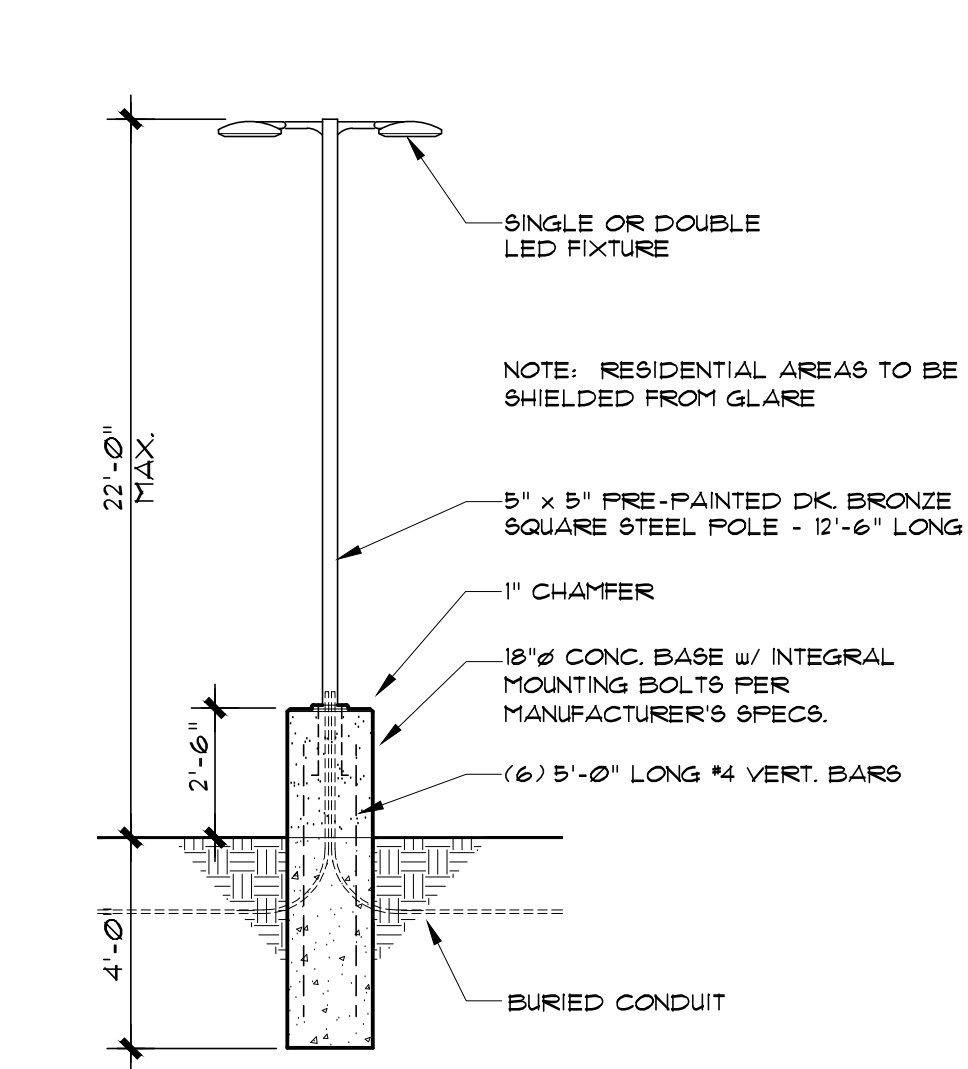
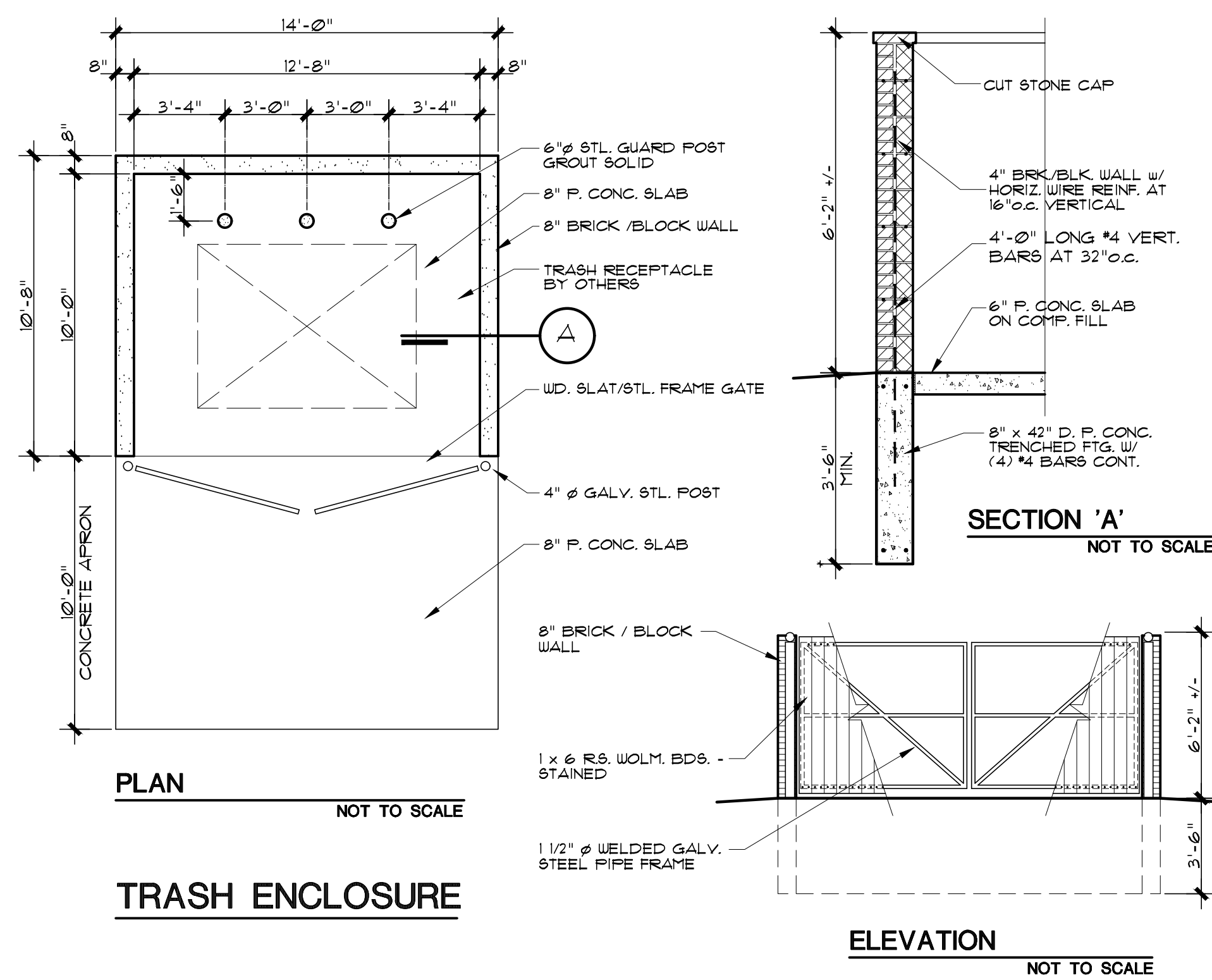


61400 VAN DYKE RD. WASHINGTON TWP., MICHIGAN

ARCHITECTURAL SITE PLAN - PHASE I

SP-1

2212



NORTH CAROLINA STATE UNIVERSITY

ARCHITECTURAL SITE PLAN - PHASE II

SCALE: 1" = 60'-0"

NOTE:
REFER TO URBAN LAND CONSULTANTS SHEET 1 OF 2
FOR ADDITIONAL SITE / UTILITY INFORMATION AND DETAILS.

PROPERTY DESCRIPTION:

Land in the Southeast 1/4 of Section 22, T.4N., R.12E., Washington Township, Macomb County, Michigan is described as: Commencing at the South 1/4 Corner of Section 22; thence N.01M46°08'E. as measured 102.021'17"E. record, 657.93' feet along the northern line of Section 22 to the Point of Beginning; thence continuing along said line N.01M46°08'E., 110.52' feet along the north (N.022°24'17", 122.00' feet record); thence N.23°31'30"E., 576.99' feet as measured (N.23°31'15"E., 564.25' feet record) along the southeasterly line of Van Dyke Avenue (66' wide); thence N.8°14'21"E., 295.65' feet as measured (N.8°16'12"E., 99.37' feet record); thence S.8°14'21"E. as measured 100.00'77"W. record, 123.65' feet along said line to the Point of Beginning; thence S.8°49'15"W., 1300.36' feet as measured (N.23°45'12"E., 1293.45' feet record) to the Point of Beginning and containing 16.620 acres.

Dimensions are to rough framing unless noted otherwise.
DO NOT SCALE DRAWING. Use figure dimensions only.

date

1

revision

18

Yes	
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JOSEPH
ANGELO
GUIDO
ARCHITECT
No.
1301027944

nc. 3128 808

**Subjects In-
vited**

do Architects / Planners
Ford Road
274-7800

G

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[illegible]RAGE
MICHIGAN
PHASE I

temporary landscape plan phase for:

Total Safe Space Storage

Washington Township, Michigan

landscape requirements:

frontage (Van Dyke)	REQUIRED	PROVIDED
TOTAL FT. OF ROAD FRONTAGE		
ONE (1) DECIDUOUS TREE PER 40 FT. (640 FT. / 40 FT. = 16-TREES)	640±	16+
screening (minor - north property line)		
TOTAL FT. OF GREENBELT	996±	
ONE (1) DECIDUOUS TREE OR EVERGREEN TREES PER 20 FT. (996.66 FT. / 25 FT. = 39.8 TREES)	40	EXISTING TREE AND VEGETATION TO REMAIN
FIVE (5) SHRUBS PER 25 FT. (996.66 FT. / 25 FT. = 39.82 X 5 = 199.12 SHRUBS)	199	
screening (minor - east property line)		
TOTAL FT. OF GREENBELT	606±	
ONE (1) DECIDUOUS TREE OR EVERGREEN TREES PER 20 FT. (606.16 FT. / 25 FT. = 24.24 TREES)	24	EXISTING TREE AND VEGETATION TO REMAIN
FIVE (5) SHRUBS PER 25 FT. (606.16 FT. / 25 FT. = 24.24 X 5 = 121.2 SHRUBS)	121	
screening (minor - south property line)	REQUIRED	PROVIDED
TOTAL FT. OF GREENBELT	1300±	
ONE (1) DECIDUOUS TREE OR EVERGREEN TREES PER 20 FT. (1300.33 FT. / 25 FT. = 52.01 TREES)	52	EXISTING TREE AND VEGETATION TO REMAIN
FIVE (5) SHRUBS PER 25 FT. (1300.33 FT. / 25 FT. = 52.01 X 5 = 260.05 SHRUBS)	260	

note:

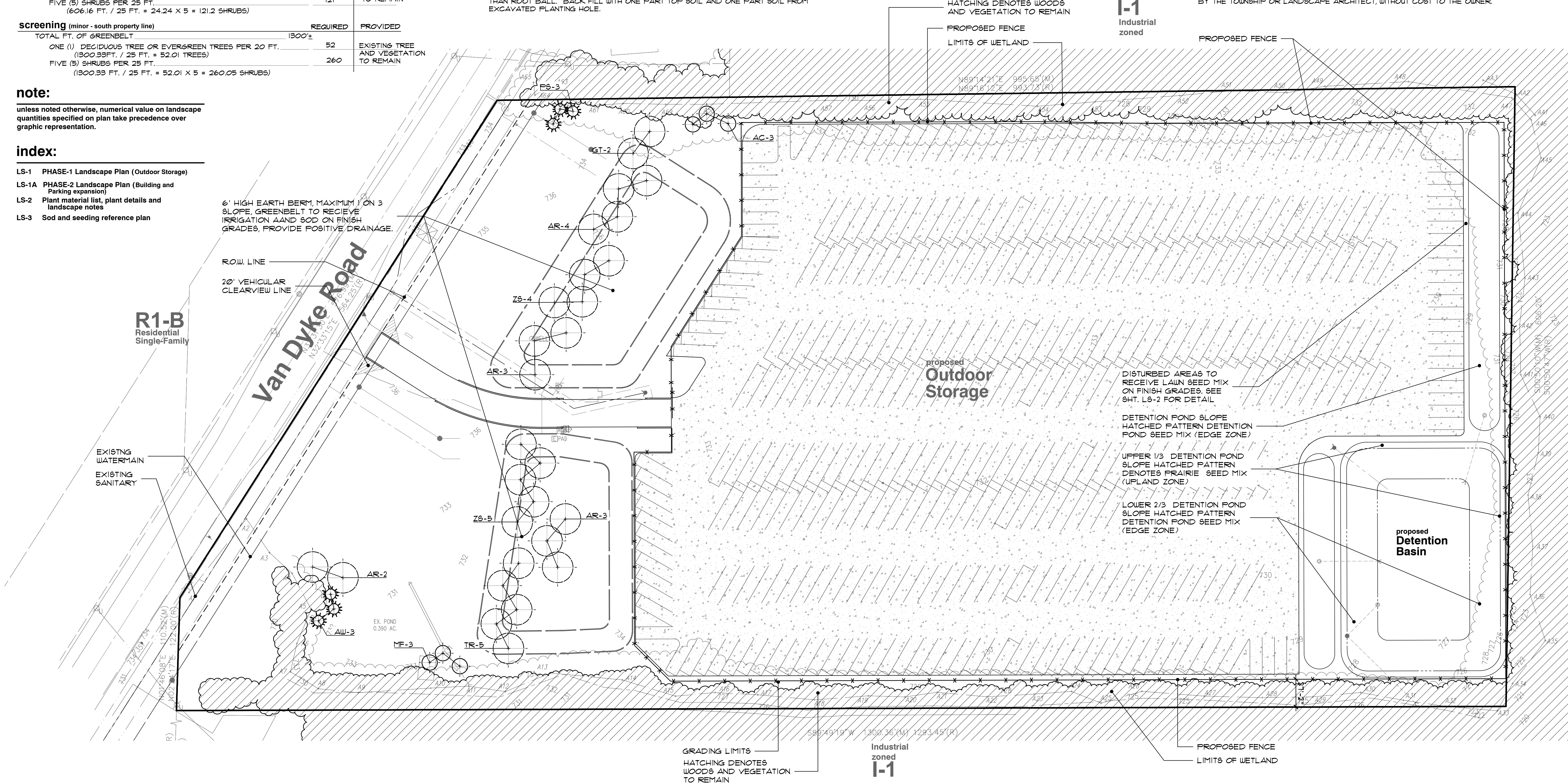
unless noted otherwise, numerical value on landscape quantities specified on plan take precedence over graphic representation.

index:

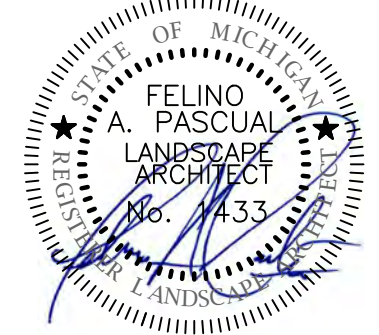
- LS-1 PHASE-1 Landscape Plan (Outdoor Storage)
- LS-1A PHASE-2 Landscape Plan (Building and Parking expansion)
- LS-2 Plant material list, plant details and landscape notes
- LS-3 Sod and seeding reference plan

general landscape notes:

1. LANDSCAPE CONTRACTOR SHALL VISIT THE SITE, INSPECT EXISTING CONDITIONS, REVIEW PROPOSED PLANTINGS AND RELATED WORK, CONTACT THE OWNER AND/OR LANDSCAPE ARCHITECT WITH ANY CONCERNS OR DISCREPANCY BETWEEN THE PLAN, PLANT MATERIAL LIST, AND/OR SITE CONDITIONS.
2. PRIOR TO BEGINNING OF CONSTRUCTION ON ANY WORK, CONTRACTORS SHALL VERIFY LOCATIONS OF ALL ON SITE UTILITIES, GAS, ELECTRIC, TELEPHONE, CABLE TO BE LOCATED BY CONTACTING MISS DIG 1-800-482-7171. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE ALL RELATED WORK ACTIVITIES WITH OTHER TRADES AND REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER PRIOR TO COMMENCING.
3. NUMERICAL VALUE ON THE LANDSCAPE QUANTITIES SPECIFIED ON THE PLAN TAKE PRECEDENCE OVER GRAPHIC REPRESENTATION. VERIFY ANY CONCERN-DISCREPANCY WITH LANDSCAPE ARCHITECT.
4. ALL CONSTRUCTION AND PLANT MATERIAL LOCATION TO BE ADJUSTED ON SITE IF NECESSARY.
5. ALL SUBSTITUTIONS OR DEVIATIONS FROM THE LANDSCAPE PLAN MUST BE APPROVED BY WASHINGTON TOWNSHIP AND LANDSCAPE ARCHITECT.
6. ALL LARGE TREES AND EVERGREENS TO BE STAKED, GUYED AND WRAPPED AS DETAIL SHOWN ON PLAN.
7. PLANT BEDS TO BE DRESSED WITH MIN. 4" OF FINELY DOUBLE SHREDDED HARBARK MULCH.
8. DIG SHRUB PITS 1' LARGER THAN SHRUB ROOT BALLS AND TREE PITS 2' LARGER THAN ROOT BALL. BACK FILL WITH ONE PART TOP SOIL AND ONE PART SOIL FROM EXCAVATED PLANTING HOLE.
9. NATURAL COLOR, FINELY SHREDDED HARDWOOD BARK MULCH REQUIRED FOR ALL PLANTINGS.
10. REMOVE ALL TWINE, WIRE AND BURLAP FROM TREE AND SHRUB EARTH BALLS, AND FROM TREE TRUNKS. 4" THICK BARK MULCH FOR TREES IN 4" DIA. CIRCLE WITH 3" PULLED AWAY FROM TRUNK. 4" THICK BARK MULCH FOR SHRUBS AND 4" THICK BARK MULCH FOR PERENNIALS.
11. PLANT MATERIAL QUALITY & INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN ASSOCIATION OF NURSEYMEN LANDSCAPE STANDARDS.
12. PROVIDE PEAT SOD FOR ALL NEW AND DISTURBED LAWN AREAS UNLESS NOTED OTHERWISE.
13. ALL PLANTING AREAS TO BE PREPARED WITH APPROPRIATE SOIL MIXTURES AND FERTILIZER BEFORE PLANT INSTALLATION.
14. PLANT TREES AND SHRUBS GENERALLY NO CLOSER THEN THE FOLLOWING DISTANCES FROM SIDEWALKS, CURBS AND PARKING STALLS:
 - a). SHADE TREES 5 FT.
 - b). ORNAMENTAL AND EVERGREEN TREES 10 FT.
 - c). SHRUBS THAT ARE LESS THAN 1 FOOT TALL AND WIDE AT MATURITY 2 FT.
15. NO TREES OR EVERGREENS TO BE INSTALLED OVER ANY PROPOSED OR EXISTING UTILITY LINES AS SHOWN ON THE OVERALL LANDSCAPE PLAN. SEE ENGINEERING PLANS FOR LOCATION AND DETAILS.
16. ALL LAWN AREAS AND LANDSCAPE BEDS TO BE FULLY IRRIGATED WITH A AUTOMATIC UNDERGROUND SYSTEMS. IRRIGATION SYSTEM TO HAVE SEPARATE ZONES FOR LAWN AREAS, PARKING ISLANDS, AND SHRUB BEDS WITH DIFFERENT CONTROL. MOISTURE LEVEL ADJUSTMENT PER ZONE AS REQUIRED.
17. UNLESS NOTED OTHERWISE, LANDSCAPE BEDS ADJACENT TO LAWN TO RECIEVE EDGING. EDGING SHALL BE 4" X 1/8" METAL (FINISH BLACK OR GREEN) OR APPROVED EQUAL AND TO BE INSTALLED WITH HORIZONTAL METAL STAKES AT 32" O.C. OR PER MANUFACTURER'S SPECIFICATION.
18. ALL NEW PARKING ISLANDS AND LANDSCAPE BEDS ADJACENT AND NEXT TO BUILDING SHALL BE EXCAVATED OF ALL BUILDING MATERIALS AND POOR SOILS A MIN. OF 16"-18" DEPTH, BACK FILL WITH GOOD, MEDIUM TEXTURED PLANTING SOILS. ADD A MIN. 4" OF TOPSOIL OVERFILL TO FINISH GRADE. PROVIDE POSITIVE DRAINAGE.
19. WATERING OF ALL PLANTS AND TREES TO BE PROVIDED IMMEDIATELY AND MULCHING WITHIN 24 HOURS AFTER INSTALLATION.
20. ALL TREE PITS TO BE TESTED FOR PROPER DRAINAGE PRIOR TO TREE PLANTING. PROVIDE APPROPERATES DRAINAGE SYSTEM AS REQUIRED IF THE TREE PIT DOES NOT DRAIN SUFFICIENTLY.
21. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE PLANT MATERIALS AND IRRIGATION INSTALLATION FOR A PERIOD OF TWO YEAR BEGINNING AFTER THE COMPLETION OF LANDSCAPE INSTALLTION DATE APPROVED BY THE CITY OR LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE DURING AND AT THE END OF THE GUARANTEE PERIOD, ANY DEAD OR UNACCEPTABLE PLANTS, AS DETERMINED BY THE TOWNSHIP OR LANDSCAPE ARCHITECT, WITHOUT COST TO THE OWNER.



seal:



client:

**S & V PROPERTIES,
LLC**

61800 Van Dyke
Washington, Michigan
48094

project:

TOTAL SAFE SPACE STORAGE

project location:

Washington
Township, Michigan
Van Dyke Road

sheet title:

GENERAL LANDSCAPE PLAN

job no. / issue / revision date:

LS23.69.07 SPA 7-10-2023
LS24.08.01 SPA 1-9-2024

drawn by:

NP

checked by:

FP

date:

1/5/2024

notice:

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Do Not scale drawings. Use figured dimensions only



The location and elevations of existing underground utilities as shown on this drawing are only approximate. no guarantee is either expressed or implied as to the completeness of accuracy. contractor shall be exclusively responsible for determining the exact location and elevation prior to the start of construction

project no:

LS24.008.01

sheet no:

LS-1 of 4

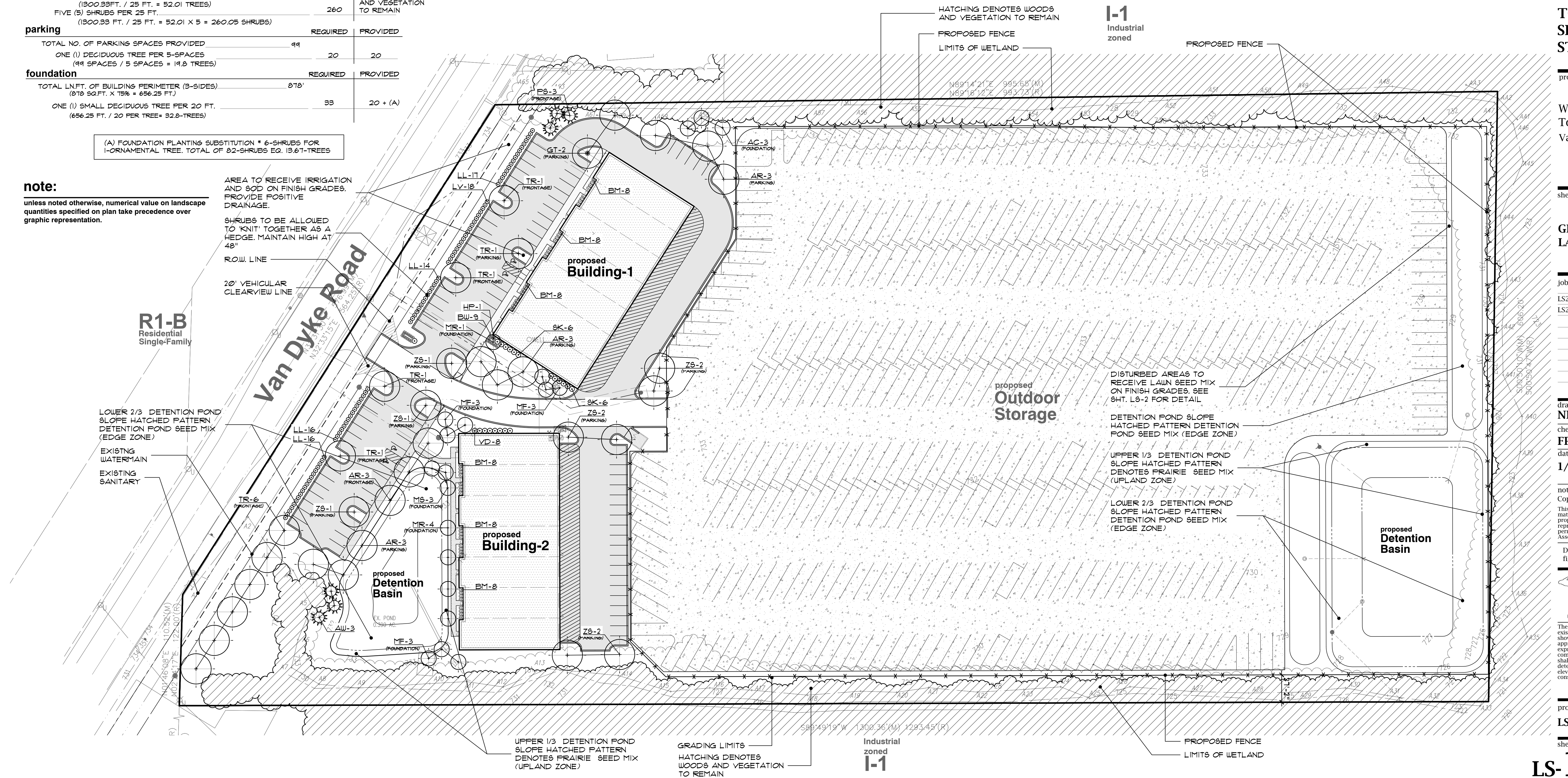
Total Safe Space Storage

Washington Township, Michigan

general landscape no

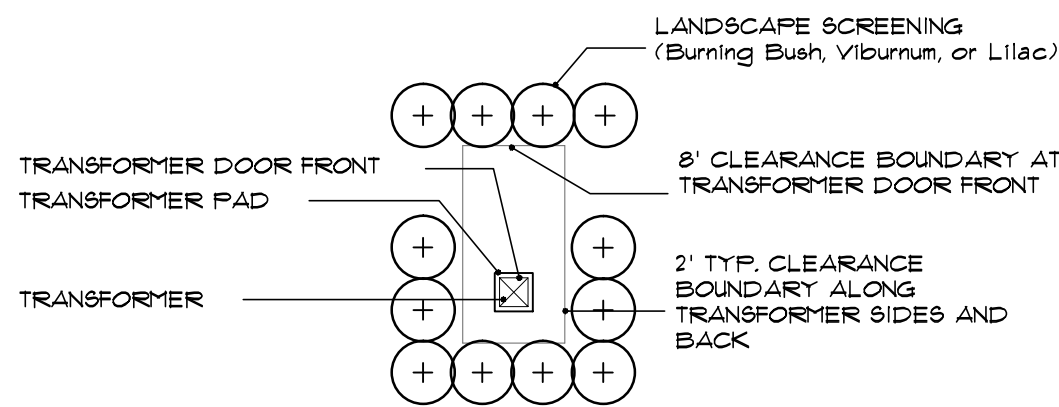
frontage (Van Dyke)		REQUIRED	PROVIDED
TOTAL FT. OF ROAD FRONTAGE			
ONE (1) DECIDUOUS TREE PER 40 FT.	640±	16	16
(640 FT. / 40 FT. = 16-TREES)			
screening (minor - north property line)			
TOTAL FT. OF GREENBELT		996±	
ONE (1) DECIDUOUS TREE OR EVERGREEN TREES PER 20 FT.		40	EXISTING TREE AND VEGETATION TO REMAIN
(996.66 FT. / 25 FT. = 39.8 TREES)			
FIVE (5) SHRUBS PER 25 FT.		199	
(996.66 FT. / 25 FT. = 39.82 X 5 = 199.132 SHRUBS)			
screening (minor - east property line)			
TOTAL FT. OF GREENBELT		606±	
ONE (1) DECIDUOUS TREE OR EVERGREEN TREES PER 20 FT.		24	EXISTING TREE AND VEGETATION TO REMAIN
(606.16 FT. / 25 FT. = 24.24 TREES)			
FIVE (5) SHRUBS PER 25 FT.		121	
(606.16 FT. / 25 FT. = 24.24 X 5 = 121.2 SHRUBS)			
screening (minor - south property line)			
TOTAL FT. OF GREENBELT		1300±	
ONE (1) DECIDUOUS TREE OR EVERGREEN TREES PER 20 FT.		52	EXISTING TREE AND VEGETATION TO REMAIN
(1300.33 FT. / 25 FT. = 52.01 TREES)			
FIVE (5) SHRUBS PER 25 FT.		260	
(1300.33 FT. / 25 FT. = 52.01 X 5 = 260.05 SHRUBS)			
parking			
TOTAL NO. OF PARKING SPACES PROVIDED		99	
ONE (1) DECIDUOUS TREE PER 5-SPACES		20	20
(99 SPACES / 5 SPACES = 19.8 TREES)			
foundation			
TOTAL LN.FT. OF BUILDING PERIMETER (3-SIDES)		878'	
(878 SQ.FT. X 75% = 658.25 FT.)			
ONE (1) SMALL DECIDUOUS TREE PER 20 FT.		33	20 + (A)
(656.25 FT. / 20 PER TREE = 32.8-TREES)			

Sheet no: **1A** of 4



plant material list						
key	quant. LS-1	quant. LS-1A	botanical name	common name	size	comments
			<u>LARGE AND SMALL DECIDUOUS TREES</u>			
AR	12 (R)	12	ACER R. FRANKSRED'	RED SUNSET RED MAPLE	3" BB	
TR	5 (R)	11	TILIA AMERICANA 'REDMOND'	REDMOND LINDEN	3" BB	
GT	2 (R)	2	GLEDITSIA TRI. INERMIS 'SKYCOLE'	SKYLINE LOCUST	3" BB	
ZS	9 (R)	9	ZELKOYA SERRATA 'GREEN VASE'	GREEN VASE ZELKOYA	3" BB	
MF	3	9	MALUS FLORIBUNDA	JAPANESE FLOWERING CRABAPPLE	2" BB	
MS	-	3	MALUS SNOWDRIFT	SNOWDRIFT CRABAPPLE	2" BB	
MR	-	5	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK TREE LILAC	2" BB	
AC	3	3	AMECHANCIER CANADENSIS	AUTUMN BRILLIANCE SERVICEBERRY	8" BB	MULTI-STEM
			<u>LARGE AND SMALL EVERGREENS</u>			
PS	3	3	FINUS STROBUS	EASTERN WHITE PINE	8" BB	
AW	3	3	ABIES CONCOLOR	CONCOLOR WHITE FIR	8" BB	
			<u>DECIDUOUS AND EVERGREEN SHRUBS</u>			
VD	-	8	VIBURNUM DENTATUM	ARROW WOOD VIBURNUM	3" B.B.	60" O.C. SPACING
HP	-	1	HYDRANGEA P. 'FEE GEE'	FEE GEE HYDRANGEA	30" CONT.	42" O.C. SPACING
LV	-	34	LIGUSTRUM X. VICARY'	GOLDEN VICARY PRIVET	30" HIGH CONT.	48" O.C. SPACING
LL	-	33	LIGUSTRUM X. LODENSE	LODENSE PRIVET	30" HIGH CONT.	48" O.C. SPACING
BW	-	9	BUXSUS M. 'WINTER GEM'	WINTER GEM BOXWOOD	18" HIGH CONT.	24" O.C. SPACING
BM	-	48	BUXSUS M. 'GREEN MOUNTAIN'	GREEN MOUNTAIN BOXWOOD	30" HIGH CONT.	36" O.C. SPACING
SK	-	12	SYRINGA P. 'MISS KIM'	MISS KIM LILAC	30" HIGH CONT.	48" O.C. SPACING

(R) DENOTES TREES TO BE RELOCATED / TRANSPLANTED INTO PHASE-2 AND PHASE-3 LANDSCAPE AREAS

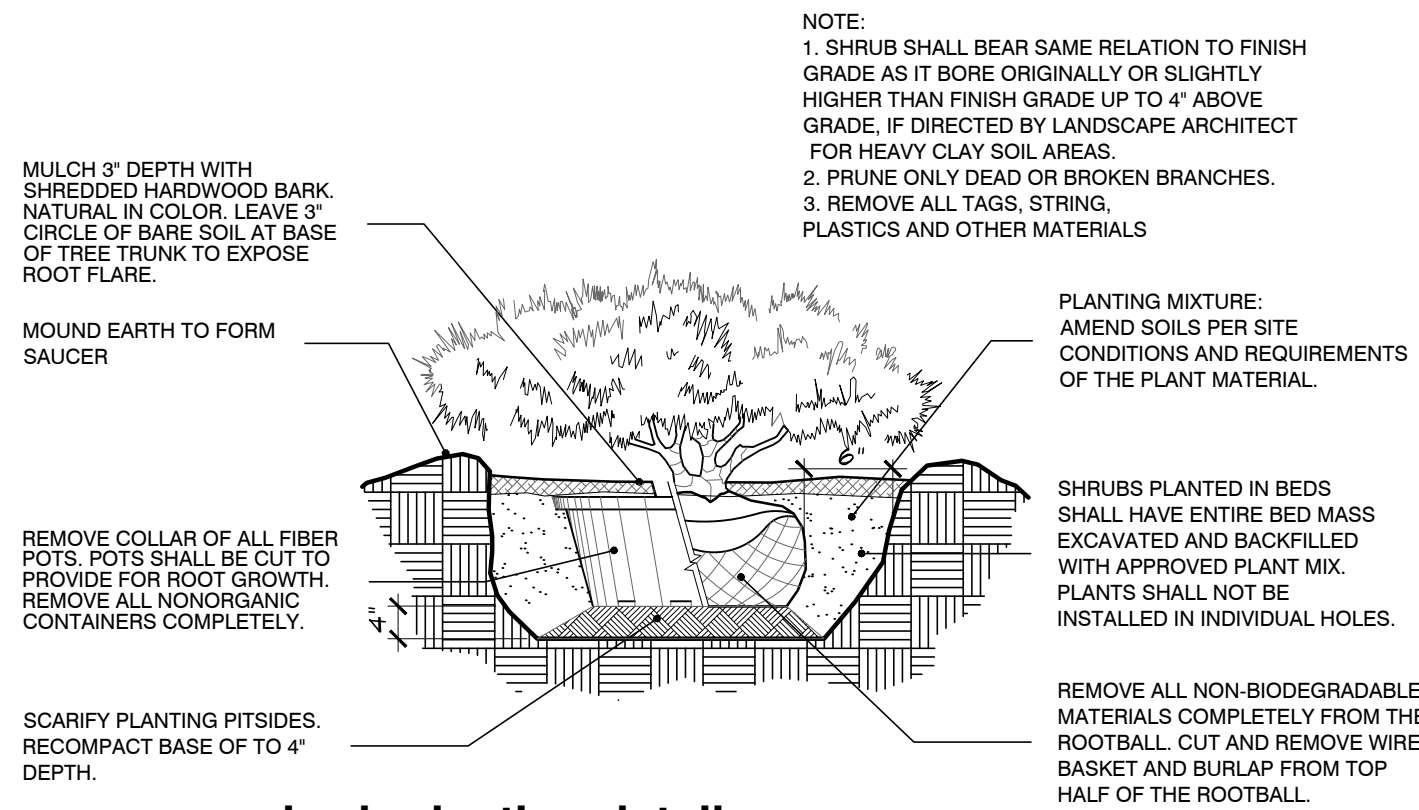


transformer pad planting detail

SCALE 1"=10'-0"

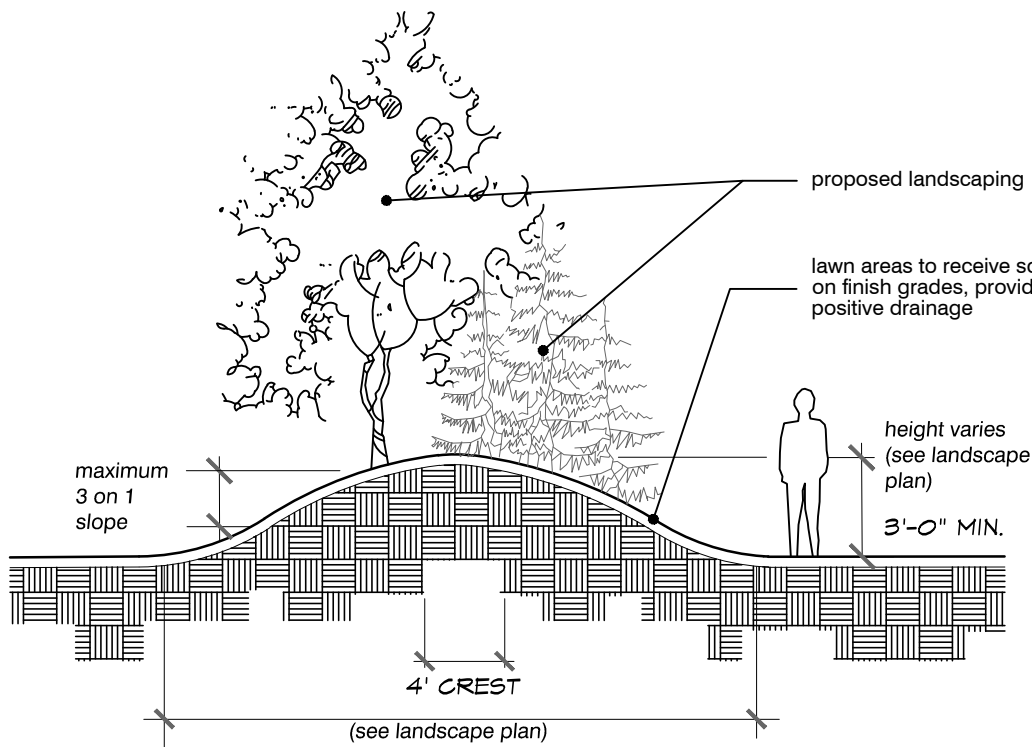
A MINIMUM OF 2' SEPARATION BETWEEN TRANSFORMER AND FULL GROWN SHRUBS AND TREES. GROUND COVERS ALLOWED UP TO TRANSFORMER PAD IF MAINTAINED BELOW 4" FULL GROWTH. IF TRANSFORMER FACES TOWARDS THE HOUSE, THEN THE SAME CONDITIONS EXIST. NO FULL GROWTH IN FRONT OF THE TRANSFORMER FOR AT LEAST A MINIMUM OF 8'. THERE ARE NO WAIVERS GRANTED TO THE ABOVE CONDITION. DETAIL PER THE DETROIT EDISON COMPANY SERVICE PLANNING DEPARTMENT (9-11-98)

SEE ENGINEERING PLANS FOR PROPOSED LOCATIONS, TOTAL NUMBER OF TRANSFORMERS AND FINAL LOCATION PER DETROIT EDISON REQUIREMENTS.



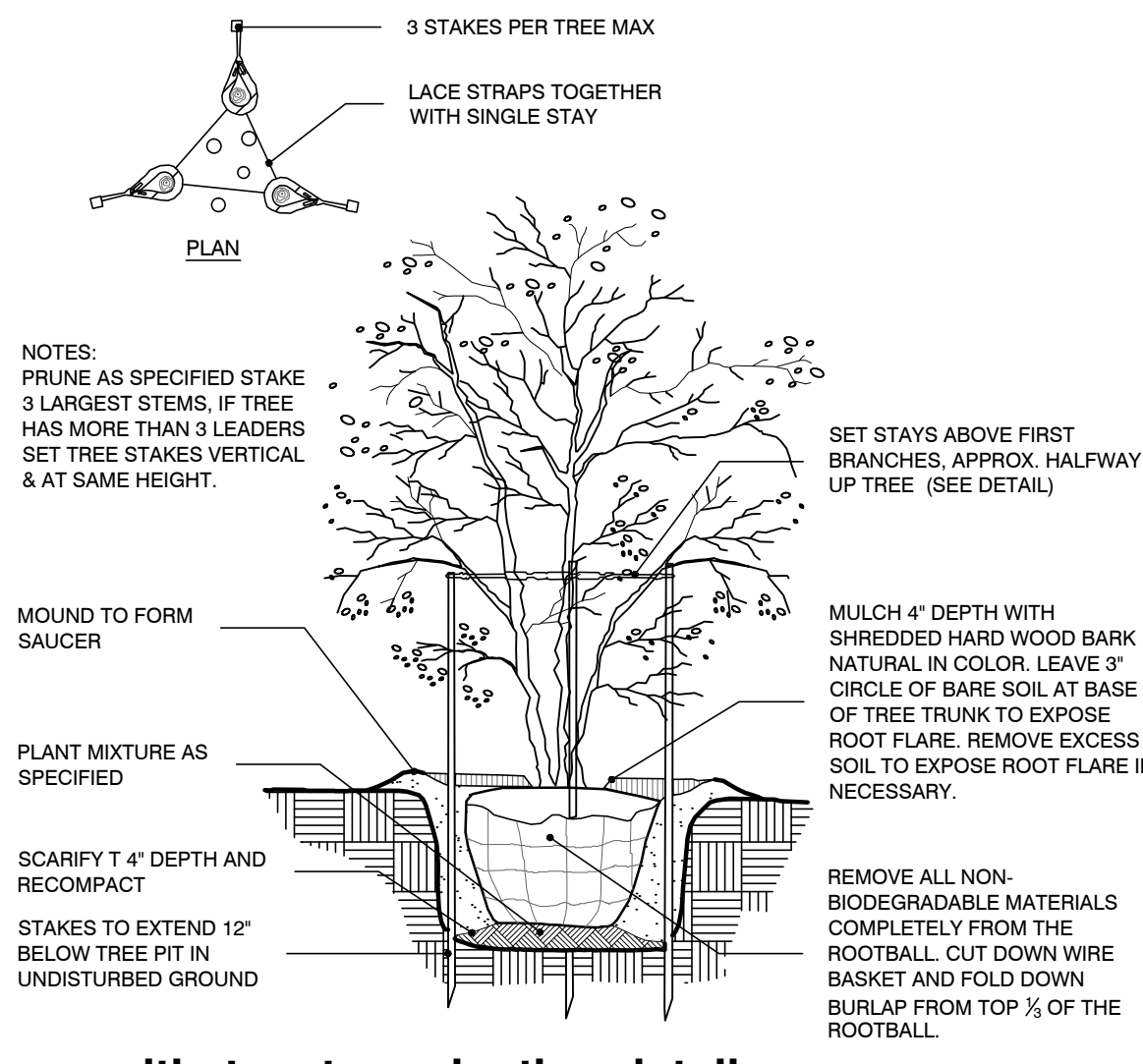
shrub planting detail

no scale



berm planting detail

no scale



multi-stem tree planting detail

no scale

planting landscape notes:

GENERAL NOTES:

- 1) PLANT MATERIALS TO BE INSTALLED ACCORDING TO THE WASHINGTON TOWNSHIP AND CURRENT AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS.
- 2) PLANT MATERIALS TO BE GUARANTEED FOR 2 YEARS, REPLACE FALLING MATERIAL WITHIN 1 YEAR, OR THE NEXT APPROPRIATE PLANTING PERIOD.
- 3) PLANTED MATERIALS TO BE OF PREMIUM QUALITY, NO 1 GRADE NORTHERN NURSERY GROWN IN HEALTHY CONDITION, FREE OF PESTS AND DISEASES.
- 4) MULCH IS TO BE NATURAL COLORED, FINELY SHREDDED HARDWOOD BARK OF 4" THICK BARK MULCH FOR TREES IN 4" DIA. CIRCLE 1/3" PULLED AWAY FROM TRUNK, 3" THICK BARK MULCH FOR SHRUBS AND 2" THICK BARK MULCH FOR PERENNIALS.
- 5) CALL MISS DIG AT 1-800-482-1111 PRIOR TO ANY CONSTRUCTION.

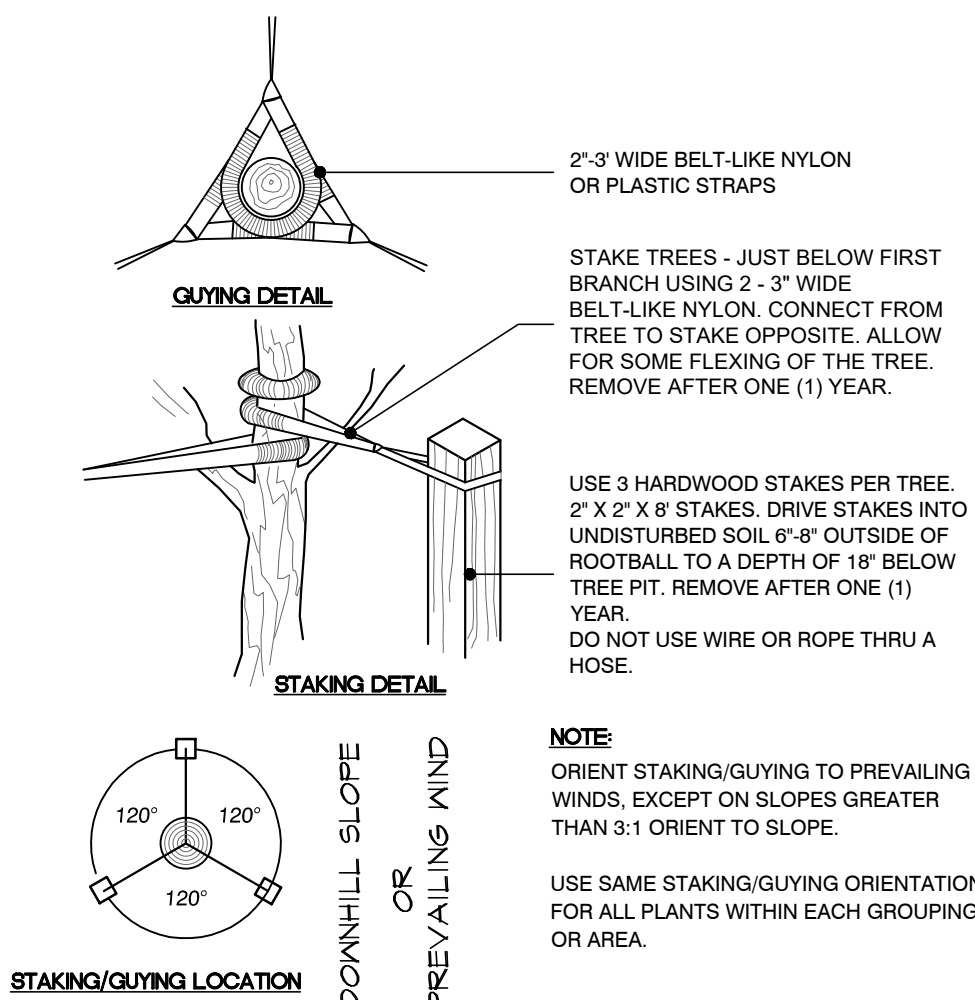
DECIDUOUS & EVERGREEN TREE:

- 1) TREE SHALL BE INSTALLED SAME RELATIONSHIP TO FINISH GRADE AS IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 6" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.
- 2) DO NOT PRUNE TERMINAL LEADER, PRUNE ONLY DEAD OR BROKEN BRANCHES.
- 3) REMOVE ALL TAGS, STRING, PLASTICS AND OTHER MATERIALS THAT ARE UNSIGHTLY AND COULD CAUSE GIRDLING.
- 4) REMOVE TREE STAKES, GUY WIRES AND TREE WRAP AFTER ONE WINTER SEASON.

- 1) SHRUB SHALL BE INSTALLED SAME RELATIONSHIP TO FINISH GRADE AS IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 4" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.
- 2) DO NOT PRUNE TERMINAL LEADER, PRUNE ONLY DEAD OR BROKEN BRANCHES.
- 3) REMOVE ALL TAGS, STRING, PLASTICS AND OTHER MATERIALS THAT ARE UNSIGHTLY AND COULD CAUSE GIRDLING.

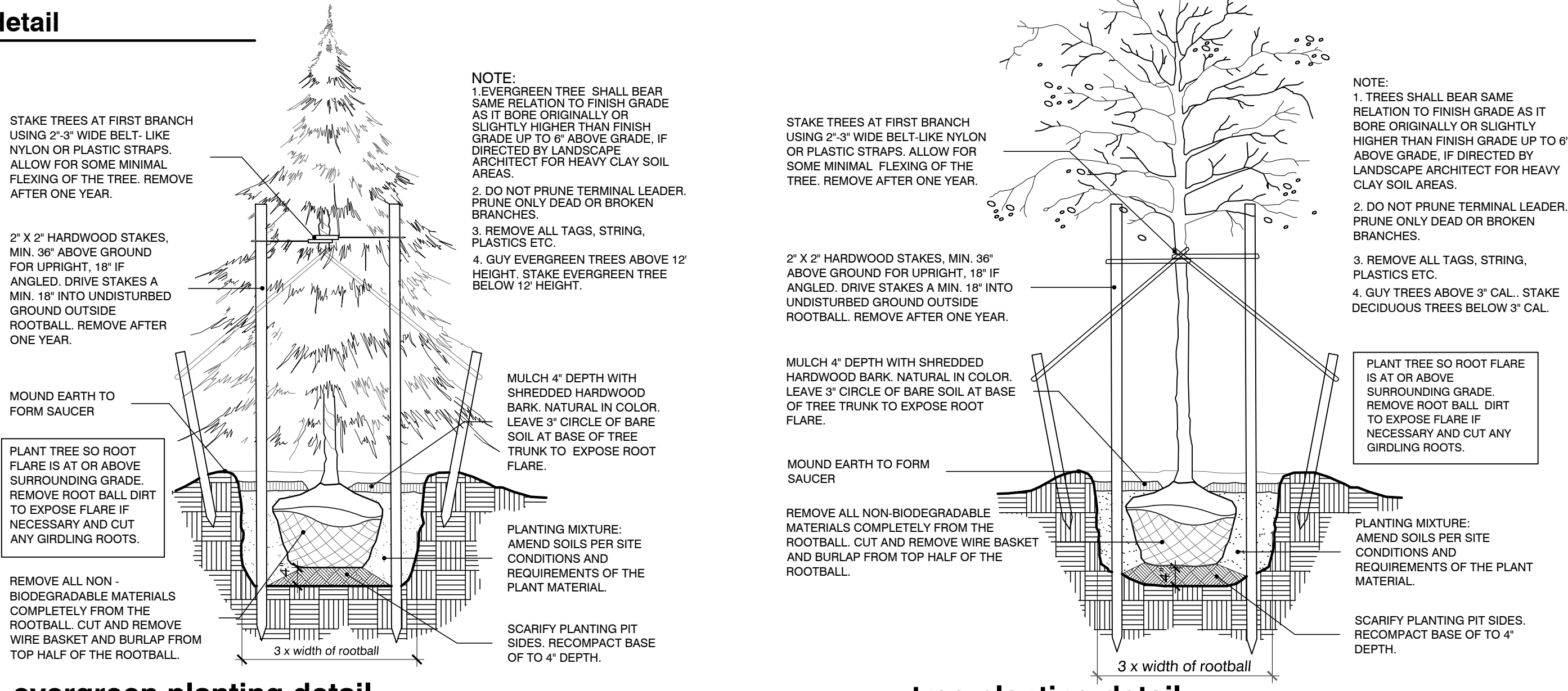
TREE PROTECTION:

- 1) EITHER PLASTIC OR WOOD ORANGE SNOW FENCING SHALL BE INSTALLED AT OR BEYOND THE DRIPLINE, UNLESS MORE SUBSTANTIAL FENCING IS REQUIRED.
- 2) STAKES SHALL BE METAL "T" POLES SPACED NO FURTHER THAN 5' ON CENTER.
- 3) FENCING SHALL NOT BE INSTALLED CLOSER TO THE TREE THAN THE DRIPLINE OF THOSE TREES TO BE SAVED. SPECIAL CIRCUMSTANCES SHALL BE REVIEWED BY THE CITY.
- 4) FENCING SHALL BE ERECTED PRIOR TO CONSTRUCTION, THE CITY SHALL BE NOTIFIED ONCE THE FENCING IS INSTALLED FOR INSPECTION.
- 5) UNDER NO CIRCUMSTANCES SHALL THE PROTECTIVE FENCING BE REMOVED WITHOUT PROPER APPROVAL FROM THE CITY.



tree staking detail

no scale

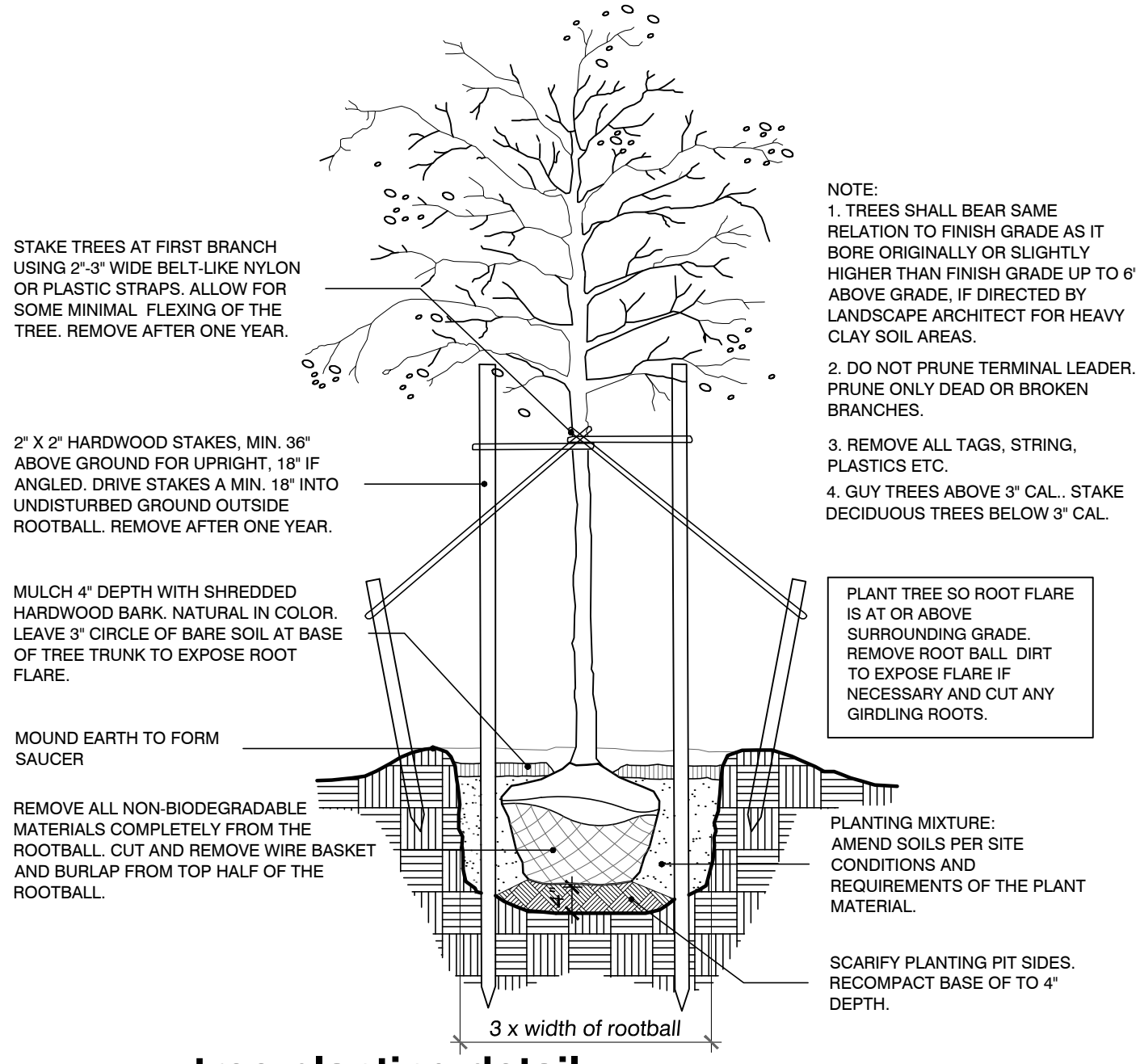


evergreen planting detail

no scale

- 6) NO PERSON SHALL CONDUCT ANY ACTIVITY WITHIN THE AREAS PROPOSED TO REMAIN, THIS SHALL INCLUDE, BUT NOT LIMITED TO:
 - a. NO SOLVENTS OR CHEMICALS WITHIN THE PROTECTED AREAS.
 - b. NO BUILDING MATERIALS OR CONSTRUCTION EQUIPMENT WITHIN THE PROTECTED AREAS.
 - c. NO GRADE CHANGES, INCLUDING FILL, WITHIN THE PROTECTED AREAS.
 - d. NO REMOVAL OF VEGETATION FROM THE GROUND UP WITHOUT PERMISSION FROM THE PROPER REVIEWING AUTHORITY, INCLUDING THE WOODLANDS REVIEW BOARD.
 - e. ANY REQUIRED SWALE NEEDS TO BE DIRECTED AROUND THE PROTECTED AREAS. IN INSTANCES WHERE SWALES ARE APPROVED THRU A PROTECTED AREA, THE SWALES NEED TO BE HAND DUG. MACHINERY OF ANY KIND IS PROHIBITED.

- 7) REGULATED WOODLANDS OR REGULATED TREES ADJACENT ADJACENT TO THE PROPERTY ARE ALSO REQUIRED TO BE PROTECTED WHETHER OR NOT THEY ARE SHOWN ON THE PLAN.



tree planting detail

no scale

seal:



client:

**S & V PROPERTIES,
LLC**

61800 Van Dyke

Washington, Michigan

48094

project:

TOTAL SAFE SPACE STORAGE

project location:

Washington
Township, Michigan
Van Dyke Road

sheet title:

PLANTING DETAILS AND LANDSCAPE NOTES

job no. / issue / revision date:

LS23.69.07 SPA 7-10-2023

LS24.08.01 SPA 1-9-2024

drawn by:

NP

checked by:

FP

date:

1/5/2024

notice:

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project no:

LS24.008.01

sheet no:

LS-2 of 4



61800 Van Dyke
Washington, Michigan
48094

project:

project location:

sheet title:

job no. / issue / revision date:

LS23.69.07 SPA 7-10-2023

LS23.69.07 SPA 7-10-2023

LS24.08.01 SPA 1-9-2024

drawn by:

NP

checked by:

date:

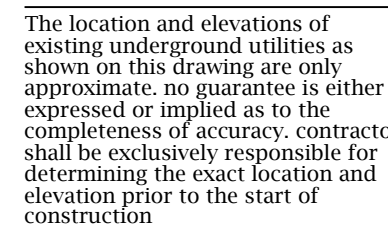
1/5/2024

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project no:

LS24.008.01

sheet no:

LS-3_{of 4}

THIS PRAIRIE SEED MIX OFFERS AN ECONOMICAL WAY TO ESTABLISH A PRAIRIE. IN ADDITION TO NATIVE PRAIRIE GRASSES, FLOWERING SPECIES PROVIDE COLOR THROUGHOUT THE GROWING SEASON AND FOOD SOURCES FOR BIRDS AND BUTTERFLIES. ADDING SEED OR PLANT PLUGS AT A LATER DATE IS A WONDERFUL WAY TO INCREASE A PRAIRIE'S RICHNESS AND DIVERSITY. THIS SEED MIX INCLUDES AT LEAST 6 OF 7 NATIVE PERMANENT GRASS AND SEDGE SPECIES AND 10 OF 13 NATIVE FORB SPECIES. APPLY AT 40.95 PLS POUNDS PER ACRE.

FORBS		
ASCLEPIAS SYRIACA	COMMON MILKWEED	1.00
ASCLEPIAS TUBEROSA	BUTTERFLY WEED	1.00
CHAMAECRISTA FASCICULATA	PARTRIDGE PEA	10.00
COREOPSIS LANCEOLATA	SAND COREOPSIS	6.00
ECHINACEA PURPUREA	BROAD-LEAVED PURPLE CONEFLOWER	8.00
HELIOPSIS HELIANTHOIDES	FALSE SUNFLOWER	0.25
MONARDA FISTULOSA	WILD BERGAMOT	0.50
PENSTEMON DIGITALIS	FOXGLOVE BEARD TONGUE	1.00
RATIBIDA PINNATA	YELLOW CONEFLOWER	4.00
RUDBECKIA HIRTA	BLACK-EYED SUSAN	8.00
SOLIDAGO SPECIOSA	SHOWY GOLDENROD	0.50
SYMPHYOTRICHUM LAEVE	SMOOTH BLUE ASTER	1.00
SYMPHYOTRICHUM NOVAE-ANGLIAE	NEW ENGLAND ASTER	0.50
	TOTAL	41.75

A WETLAND SEED MIX FOR SATURATED SOILS IN A DETENTION POND OR FOR SEEDING A SATURATED BASIN. THIS MIX WILL TOLERATE HIGHLY FLUCTUATING WATER LEVELS AND POOR WATER QUALITY ASSOCIATED WITH URBAN STORMWATER WETLANDS AND PONDS. FOR DETENTION BASINS THAT EXPERIENCE LONG, DRY PERIODS, USE THE ECONOMY PRAIRIE SEED MIX IN THE UPPER THIRD TO HALF OF THE BASIN AREA IN COMBINATION WITH THIS MIX. THIS SEED MIX INCLUDES AT LEAST 10 OF 12 NATIVE PERMANENT GRASS AND SEDGE SPECIES AND 13 OF 17 NATIVE FORB SPECIES. APPLY AT 36.22 PLS POUNDS PER ACRE.

FORBS		
ALISMA SUBCORDATUM	COMMON WATER PLANTAIN	2.50
ASCLEPIAS INCARNATA	SWAMP MILKWEED	2.00
BIDENS SPP. BIDENS	SPECIES	2.00
EUPATORIUM PERFOOLIATUM	COMMON BONESET	2.00
HELENIUM AUTUMNALE	SNEEZEWEED	1.00
IRIS VIRGINICA V. SHREVEI	BLUE FLAG	4.00
LYCOPUS AMERICANUS	COMMON WATER HOREHOUND	0.50
MIMULUS RINGENS	MONKEY FLOWER	1.00
PENTHOTH SEDOIDES	DITCH STONECROP	0.50
PERSICARIA SPP.	PINKWEED SPECIES	2.00
RUDBECKIA SUBTOMENTOSA	SWEET BLACK-EYED SUSAN	1.00
RUDBECKIA TRILOBA	BROWN-EYED SUSAN	1.50
SAGITTARIA LATIFOLIA	COMMON ARROWHEAD	1.00
SENNA HEBECARPA	WILD SENNA	2.00
SYMPHYOTRICHUM LANCEOLATUM	PANICLED ASTER	0.50
SYMPHYOTRICHUM NOVAE-ANGLIAE	NEW ENGLAND ASTER	0.50
THALICTRUM DASYCARPUM	PURPLE MEADOW RUE	2.00
	TOTAL	26.00

AREA TO RECEIVE IRRIGATION
AND SOD ON FINISH GRADES.
PROVIDE POSITIVE
DRAINAGE.

AREA TO RECEIVE IRRIGATION
AND SOD ON FINISH GRADES.
PROVIDE POSITIVE
DRAINAGE.

DISTURBED AREAS TO RECEIVE
LAWN SEED MIX ON FINISH
GRADES. PROVIDE POSITIVE
DRAINAGE.

HATCHING DENOTES WOODS AND
VEGETATION TO REMAIN

DISTURBED AREAS TO RECEIVE
PRAIRIE SEED MIX ON FINISH GRADES
PROVIDE POSITIVE DRAINAGE.

UPPER 1/3 DETENTION POND
SLOPE HATCHED PATTERN
DENOTES PRAIRIE SEED MIX
(UPLAND ZONE)

LOWER 2/3 DETENTION POND
SLOPE HATCHED PATTERN
DETENTION POND SEED MIX
(EDGE ZONE)

DISTURBED AREAS TO RECEIVE PRAIRIE
- MIX ON FINISH GRADES. PROVIDE
POSITIVE DRAINAGE.

DISTURBED AREAS TO RECEIVE PRAIRIE
- MIX ON FINISH GRADES. PROVIDE
POSITIVE DRAINAGE.

HATCHING DENOTES WOODS AND
VEGETATION TO REMAIN

SCALE: 1" = 60'-0"

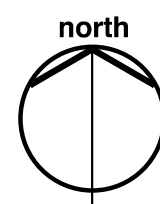
AREAS TO RECEIVE IRRIGATION AND
SOD, MAINTAINED AND MOWED
WEEKLY



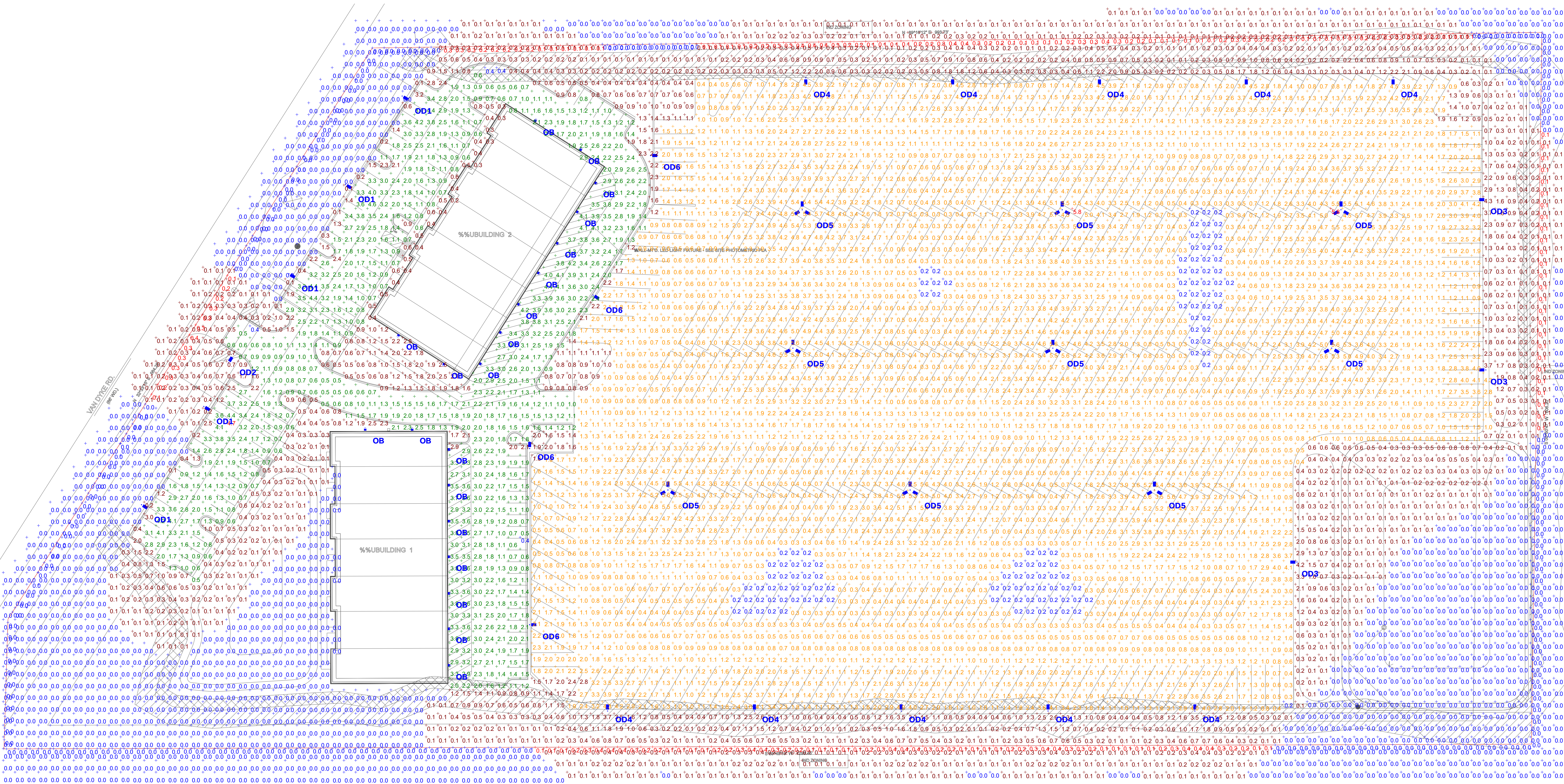
SEEDING LAWN AREAS SHALL BE KENTUCKY BLUE GRASS BLEND GRASS IN A 50% NURSERY ON LOAM SOIL. 50% TO BE INSTALLED ON MINIMUM 4" TOPSOIL.

5% PERENNIAL RYE GRASS
10% RED FESCUE
25% CHEWING FESCUE
60% KENTUCKY BLUE GRASS

SEED MIX SHALL BE APPLIED AT A RATE OF 200 POUNDS PER ACRE AND WEED
CONTENT SHALL NOT EXCEED 1%. SEED, PROVIDE A MINIMUM 4" TOP SOIL ON ALL
SEEDED LAWN AREA

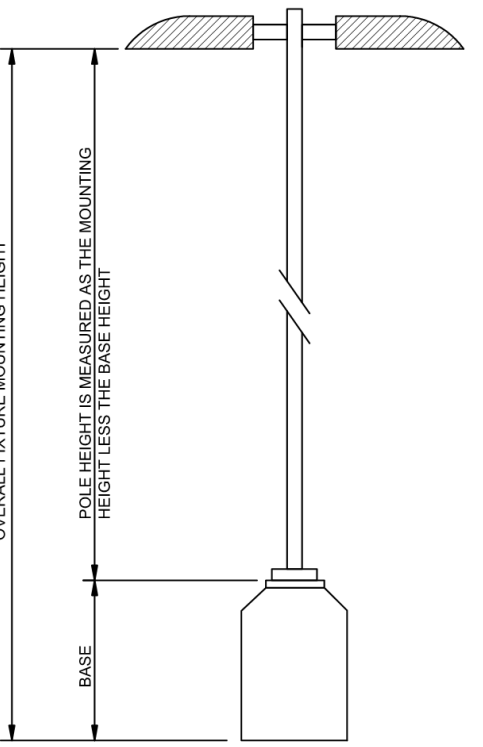


scale: 0' 15' 60' 120' 180'
1" = 60' - 0"



Plan View
Scale - 1" = 40ft

Mounting Height Note
MOUNTING HEIGHT IS MEASURED FROM GRADE TO SKY SIDE OF FIXTURE. POLE HEIGHT SHOULD BE CALCULATED AS THE MOUNTING HEIGHT LESS BASE HEIGHT.



Alternates Note
ALTERNATE LIGHTING FIXTURES WILL NOT MEET CITY ORDINANCE COMPLIANCE DUE TO THE PRECISE OPTICAL AND OUTPUT PERFORMANCE SELECTED FOR THESE FIXTURES. ALTERNATE LIGHTING PROPOSALS MUST BE RECALCULATED AND RESUBMITTED TO THE CITY FOR APPROVAL. CONTACT LAYOUTS@GASSERBUSH.COM FOR ASSISTANCE WITH ALTERNATE OPTIONSF IF NEEDED.

Ordering Note
FOR INQUIRIES CONTACT GASSER BUSH AT QUOTES@GASSERBUSH.COM OR 734-266-6705.

General Note
1. SEE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHT.
2. SEE LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR.
3. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0' - 0".

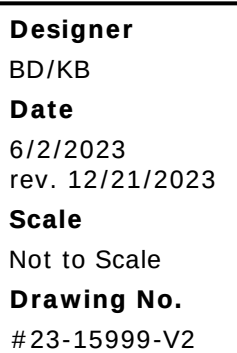
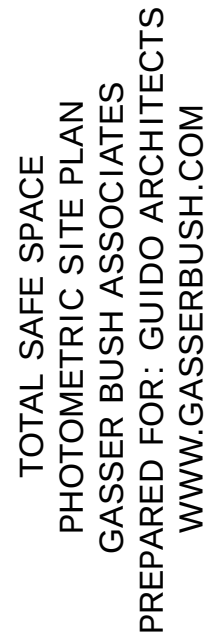
THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. MOUNTING HEIGHTS INDICATED ARE FROM GRADE AND/OR FLOOR UP.

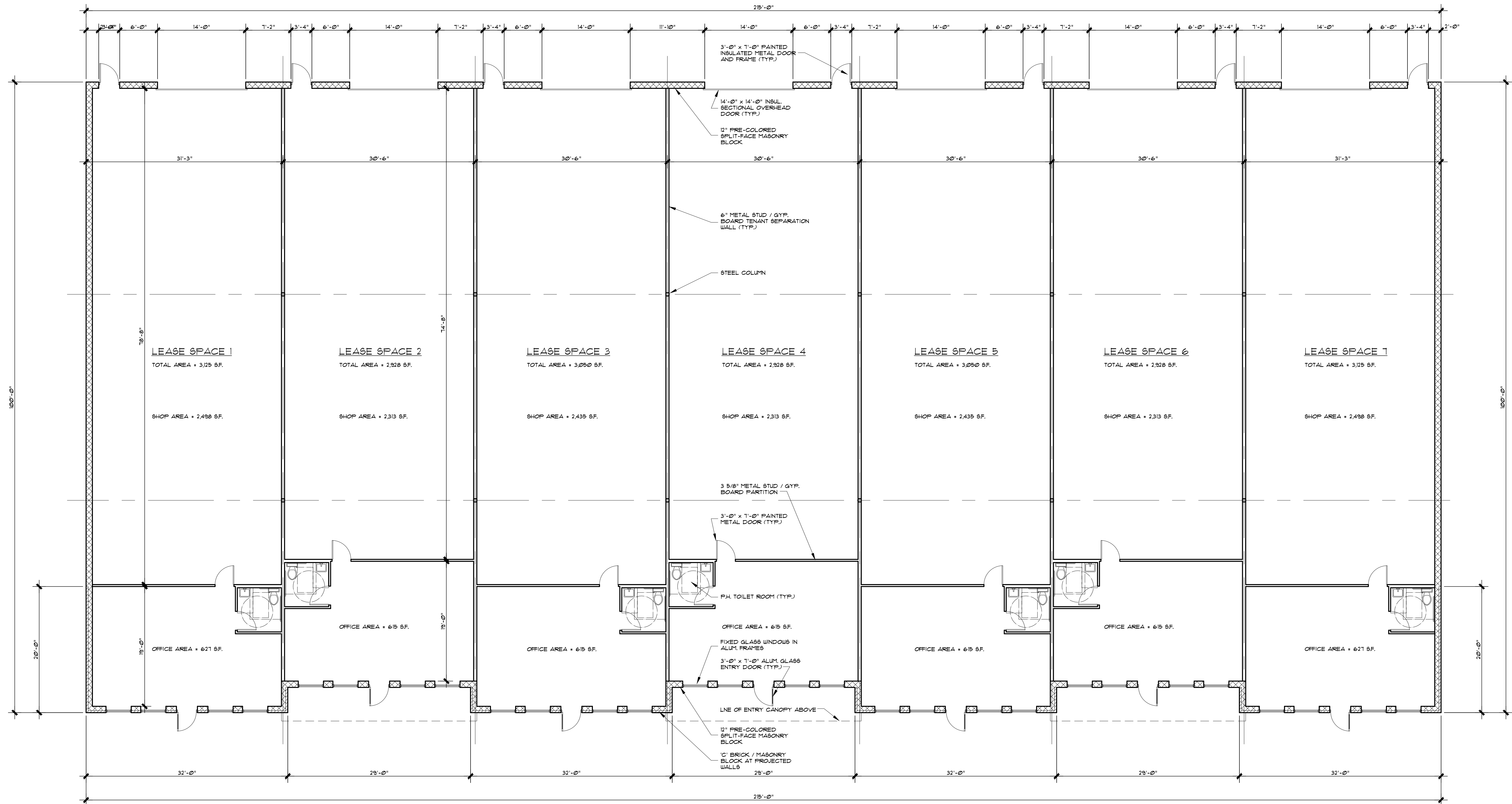
THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR MICHIGAN ENERGY CODE AND LIGHTING QUALITY COMPLIANCE.

UNLESS EXEMPT, PROJECT MUST COMPLY WITH LIGHTING CONTROLS REQUIREMENTS DEFINED IN ASHRAE 90.1 2013. FOR SPECIFIC INFORMATION CONTACT GBA COMPLIANCE GROUP AT ASG@GASSERBUSH.COM OR 734-266-6705

Schedule						
Symbol	Label	QTY	Manufacturer	Description	Lamp	Controls
	OB	20	Lithonia Lighting	WDE2 LED WALLPACK 4000K	LED	14'-0"
	OD1	5	Lithonia Lighting	D-Series Size 0 Area Luminaire 4000K	LED	20'-0"
	OD2	1	Lithonia Lighting	D-Series Size 0 Area Luminaire 4000K	LED	20'-0"
	OD3	3	Lithonia Lighting	D-Series Size 0 Area Luminaire 4000K	LED	20'-0"
	OD4	10	Lithonia Lighting	D-Series Size 0 Area Luminaire 4000K	LED	20'-0"
	OD5	9	Lithonia Lighting	D-Series Size 0 Area Luminaire 4000K	LED	20'-0"
	OD6	4	Lithonia Lighting	D-Series Size 0 Area Luminaire 4000K	LED	20'-0"

Statistics							
Description	Symbol	Avg	Max	Min	Max / Min	Avg / Min	Avg / Max
PROPERTY LINE	+	0.1 fc	0.4 fc	0.0 fc	N/A	N/A	0.3:1
SECURED STORAGE AND DRIVE AREA	+	1.8 fc	5.8 fc	0.2 fc	29.0:1	9.0:1	0.3:1
UNSECURED STORAGE AND DRIVE AREA	+	2.0 fc	4.7 fc	0.4 fc	11.8:1	5.0:1	0.4:1





FLOOR PLAN - BLDG. 1 (BLDG. 2 IDENTICAL)

SCALE: 1/8" = 1'-0"

Dimensions are to rough framing unless noted otherwise.
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revision	
drawn	JAG
checked	
approved	
date	10/20/2024

drawn	JAG
checked	
approved	
date	10/20/2024

drawn	JAG
checked	
approved	
date	10/20/2024

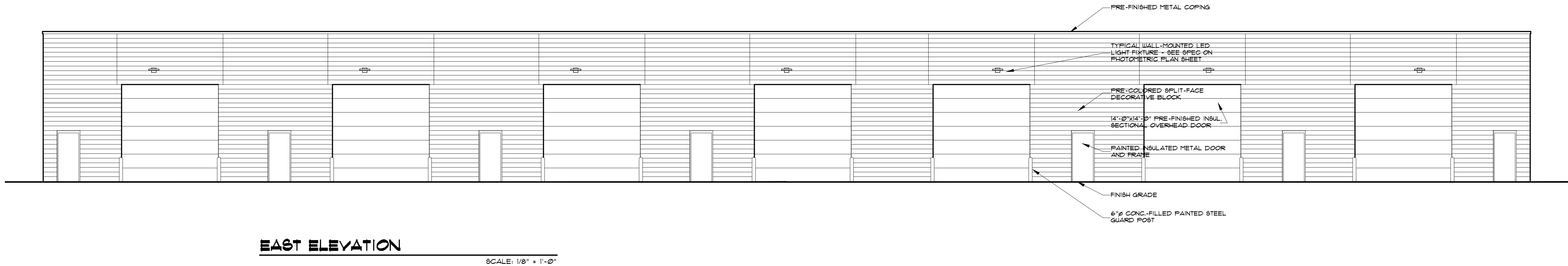


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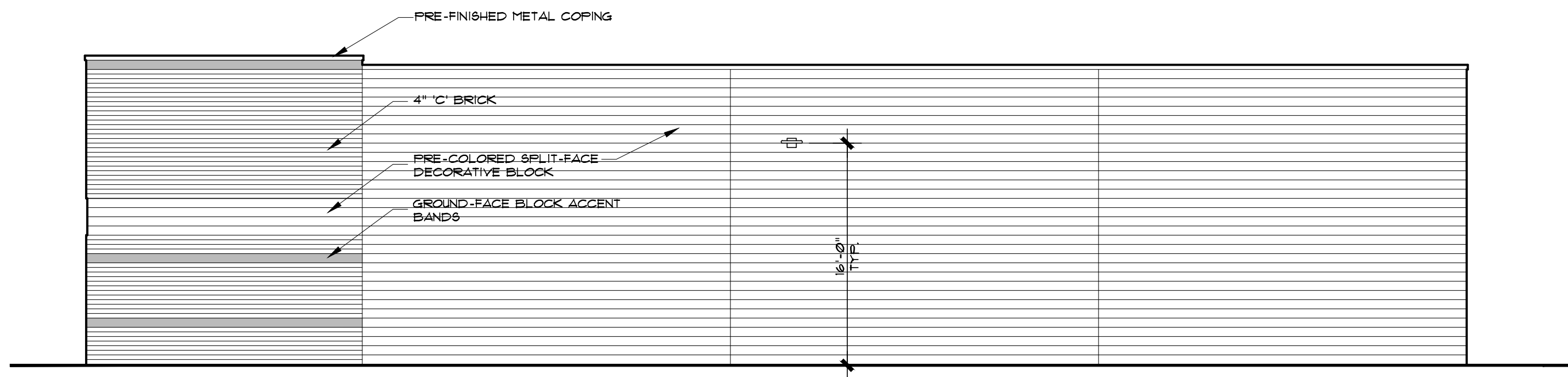
TOTAL SAFE SPACE STORAGE
61400 VAN DYKE RD. WASHINGTON TWP., MICHIGAN
FLOOR PLAN - BLDG. 1

2212

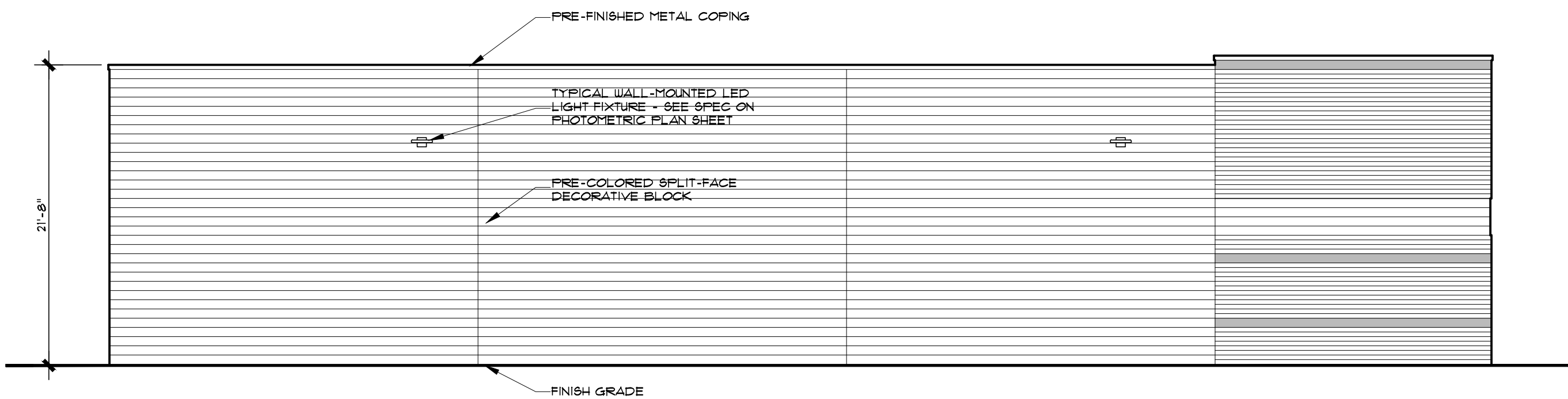
A-1



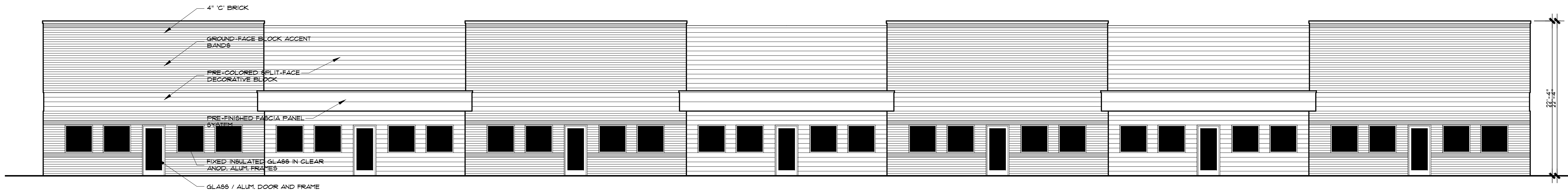
EAST ELEVATION
SCALE: 1/8" = 1'-0"



SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



NORTH ELEVATION
SCALE: 1/8" = 1'-0"



WEST ELEVATION - BLDG. 1 (BLDG. 2 IDENTICAL)
SCALE: 1/8" = 1'-0"

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revision	date

1st date 1/18/24	2nd date 2/1/24
drawn JAG	checked JAG

drawn JAG	checked JAG
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PROJECT NAME
TOTAL SAFE SPACE STORAGE
61400 VAN DYKE RD. WASHINGTON TWP., MICHIGAN
SHEET NAME
ELEVATIONS

300 in.
2212

Sheet
A-2