

Landscape Plan

BO-MAR ESTATES

Plainfield, Indiana

July 7, 2022

CONSULTANTS:



LANDSCAPE ARCHITECT:
 GARY R. WEBER ASSOCIATES, INC
 402 W. LIBERTY DRIVE
 WHEATON, ILLINOIS 60187



CIVIL ENGINEER:
 BANNING ENGINEERING
 853 COLUMBIA ROAD
 PLAINFIELD, INDIANA 46168



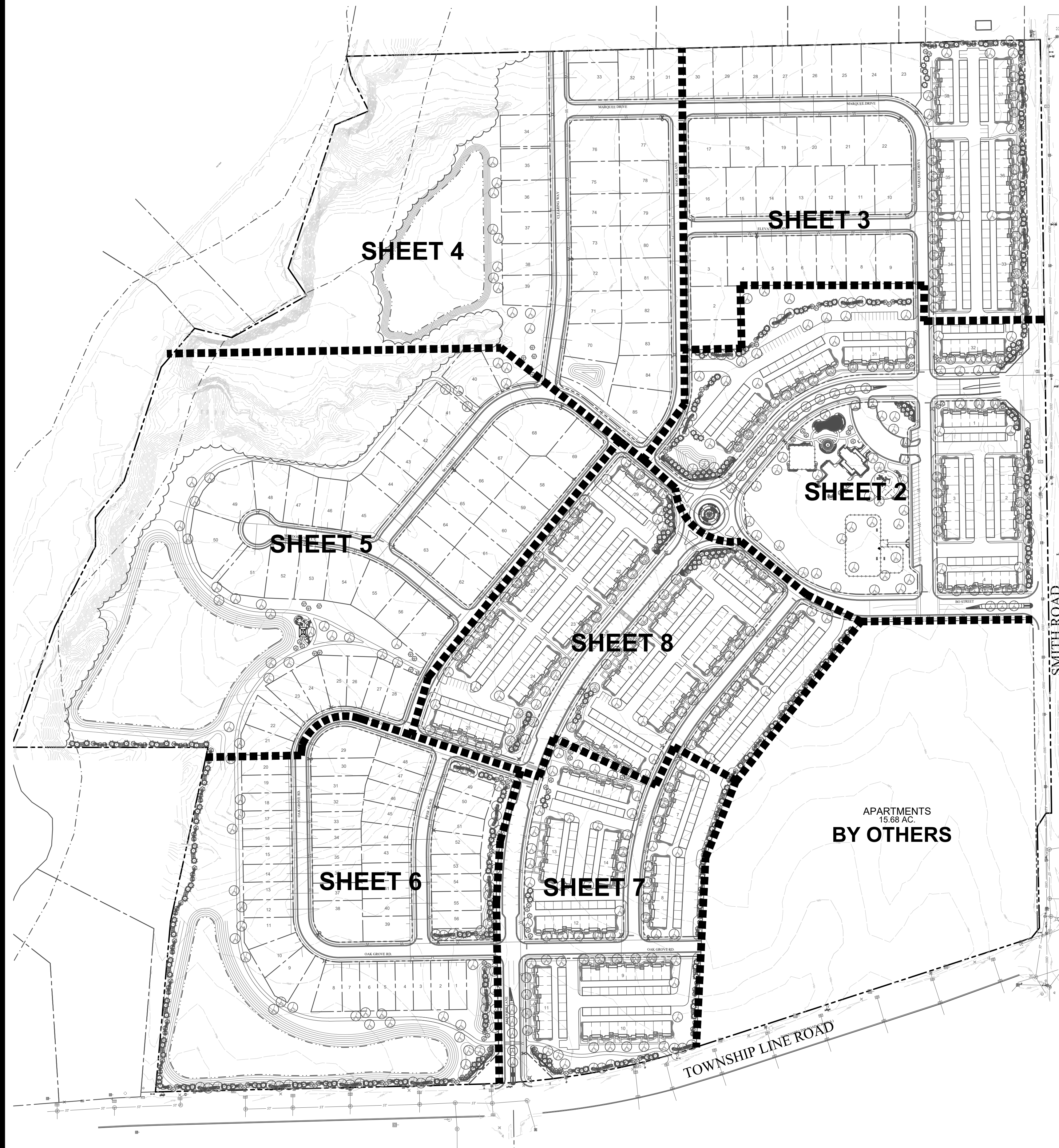
LOCATION MAP
 SCALE: 1"=600'

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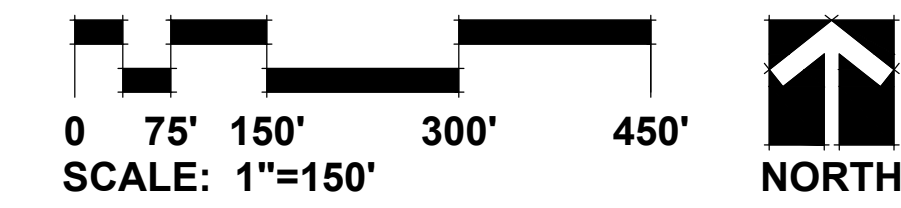


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PLANT LIST

Key	Qty	Botanical/Common Name	Size	Remarks	Key	Qty	Botanical/Common Name	Size	Remarks
SHADE TREES									
AA	19	Acer x freemanii 'Jeffers Red' AUTUMN BLAZE MAPLE	2 1/2' Cal.		CK	322	ORNAMENTAL GRASSES Calamagrostis x acutiflora 'Karl Foerster' FEATHER REED GRASS	#1	30" O.C.
AA4	11	Acer x freemanii 'Jeffers Red' AUTUMN BLAZE MAPLE	4" Cal.		PV	192	Panicum virgatum 'Hot Rod' HOT ROD SWITCHGRASS	#1	24" O.C.
AM	19	Acer miyabei 'Morton' STATE STREET MAPLE	2 1/2' Cal.		SA	174	Sesleria autumnalis AUTUMN MOOR GRASS	#1	24" O.C.
AS	47	Acer x saccharum 'Green Mountain' GREEN MOUNTAIN SUGAR MAPLE	2 1/2' Cal.		SH	1042	Sporobolus heterolepis PRAIRIE DROPSEED	#1	24" O.C.
CO	31	Celtis occidentalis COMMON HACKBERRY	2 1/2' Cal.		ST	142	Sporobolus heterolepis 'Tara' DWARF PRAIRIE DROPSEED	#1	24" O.C.
CU	1	Carpinus caroliniana 'JFS-KW6' NATIVE FLAME AMERICAN HORNBEAM	2 1/2' Cal.		PERENNIALS				
GT	25	Gleditsia triacanthos var. inermis 'Skycoke' SKYLINE HONEYLOCUST	2 1/2' Cal.		AB	704	Allium 'Summer Beauty' SUMMER BEAUTY ONION	#1	18" O.C.
LT	27	Liriodendron tulipifera TULIPTREE	2 1/2' Cal.		AI	27	Armsia x 'Blue Ice' BLUE ICE BLUE STAR	#1	18" O.C.
PM	42	Platanus x acerifolia 'Morton Circle' EXCLAMATION! LONDON PLANETREE	2 1/2' Cal.		BL	8	Baptisia 'Lunar Eclipse' LUNAR ECLIPSE FALSE INDIGO	#1	24" O.C.
QB	23	Quercus bicolor SWAMP WHITE OAK	2 1/2' Cal.		BS	90	Baptisia sphaerocarpa 'Screamin' Yellow' YELLOW FALSE INDIGO	#1	24" O.C.
GI	31	Quercus imbricaria SHINGLE OAK	2 1/2' Cal.		EC	303	Echinacea 'CBG Cone 3' MANGO MEADOWBRITE CONEFLOWER	#1	18" O.C.
QM	37	Quercus macrocarpa BURR OAK	2 1/2' Cal.		HH	885	Hemerocallis 'Happy Returns' HAPPY RETURNS DAYLILY	#1	18" O.C.
QR	44	Quercus rubra RED OAK	2 1/2' Cal.		HR	524	Hemerocallis 'Rosy Returns' ROSY RETURNS DAYLILY	#1	18" O.C.
TA	14	Tilia americana 'Redmond' REDMOND AMERICAN LINDEN	2 1/2' Cal.		NM	1992	Nepeta racemosa 'Walker's Low' WALKER'S LOW CATMINT	#1	18" O.C.
TC	17	Tilia cordata 'Greenspire' GREENSPIRE LITTLELEAF LINDEN	2 1/2' Cal.		SE	436	Sedum 'Autumn Joy' AUTUMN JOY SEDUM	#1	18" O.C.
TT	30	Tilia tomentosa 'Sterling' STERLING SILVER LINDEN	2 1/2' Cal.		MISC. MATERIALS				
UM	28	Ulmus 'Morton Glossy' TRIUMPH ELM	2 1/2' Cal.		636		SHREDDED HARDWOOD MULCH		C.Y.
UC	14	Ulmus carpinifolia 'New Horizon' NEW HORIZON SMOOTHLEAF ELM	2 1/2' Cal.		39,082		SOD		S.Y.
					37.2		TURF SEED & EROSION CONTROL BLANKET		AC.
					38		GRANITE BOULDERS		TON
ORNAMENTAL TREES									
AG	40	Amelanchier x grandiflora APPLE SERVICEBERRY	6' Ht.	Multi-Stem					
BP	23	Betula populifolia 'Whitespire' WHITESPIRE GRAY BIRCH	6' Ht.	Multi-Stem					
BP8	25	Betula populifolia 'Whitespire' WHITESPIRE GRAY BIRCH	8' Ht.	Multi-Stem					
CC	57	Cercis canadensis EASTERN REDBUD	6' Ht.	Multi-Stem					
CT	51	Crataegus crusgalli var. inermis THORNLESS COCKSPUR HAWTHORN	6' Ht.	Multi-Stem					
MP	50	Malus 'Prairifire' PRAIRIFIRE CRABAPPLE	6' Ht.	Multi-Stem					
EVERGREEN TREES									
AC	23	Abies concolor WHITE FIR	6' Ht.						
AC8	16	Abies concolor WHITE FIR	8' Ht.						
PA	51	Picea abies NORWAY SPRUCE	6' Ht.						
PG	83	Picea glauca var. densata BLACK HILLS SPRUCE	6' Ht.						
PO	51	Picea omorika SERBIAN SPRUCE	6' Ht.						
PS	66	Pinus strobus EASTERN WHITE PINE	6' Ht.						
TO	23	Thuja occidentalis 'Smaragd' EMERALD GREEN ARBORVITAE	6' Ht.						
DECIDUOUS SHRUBS									
CS	48	Cornus sericea 'Bailey' BAILEY'S REDTONG DOGWOOD	36" Tall	5' O.C.					
HA	245	Hydrangea arborescens 'Abetwo' INCREDIBALL HYDRANGEA	24" Tall	3' O.C.					
IV	198	Itea virginica 'Little Henry' LITTLE HENRY VIRGINIA SWEETSPIRE	24" Tall	3' O.C.					
PD	158	Physocarpus opulifolius 'Donna May' LITTLE DEVIL NINEBARK	24" Tall	3' O.C.					
PH	51	Physocarpus opulifolius 'Seward' SUMMER WINE NINEBARK	30" Tall	4' O.C.					
RA	65	Rhus aromatica 'Gro-low' GRO-LOW SUMAC	24" Wide	3' O.C.					
SM	17	Syringa meyeri 'Palibin' DWARF KOREAN LILAC	24" Tall	4' O.C.					
VT	48	Viburnum trilobum 'Redwing' JN SELECT CRANBERRYBUSH VIBURNUM	36" Tall	5' O.C.					
VJ	113	Viburnum x juddii JUDD VIBURNUM	36" Tall	4' O.C.					
EVERGREEN SHRUBS									
IG	85	Ilex glabra 'Shamrock' SHAMROCK INKBERRY	24" Wide	4' O.C.					
JK	321	Juniperus chinensis 'Kallays Compact' KALLAYS COMPACT PFITZER JUNIPER	24" Wide	4' O.C.					
JB	30	Juniperus conferta 'Blue Pacific' BLUE PACIFIC JUNIPER	24" Wide	4' O.C.					
TE	11	Taxus x media 'Everlow' EVERLOW YEW	24" Wide	4' O.C.					
TM	284	Taxus x media 'Densiflora' DENSE YEW	24" Wide	4' O.C.					



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BO-MAR ESTATES
PLAINFIELD, INDIANA
OVERALL LANDSCAPE PLAN

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GENERAL LANDSCAPE NOTES

- Contractor shall verify underground utility lines and is responsible for any damage.
- Contractor shall verify all existing conditions in the field prior to construction and shall notify landscape architect of any variance.
- Material quantities shown are for contractors convenience only. The Contractor must verify all material and supply sufficient materials to complete the job per plan.
- The landscape architect reserves the right to inspect plant materials either at place of growth or at site before planting, for compliance with requirements of variety, size and quality.
- Work shall conform to American Standard for Nursery Stock, State of Indiana Horticultural Standards, and Local Municipal requirements.
- Contractor shall secure and pay for all permits, fees, and inspections necessary for the proper execution of this work and comply with all codes applicable to this work.
- See General Conditions and Specifications for landscape work for additional requirements.

1 7.07.2022

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	6.22.2022

DATE: 6.22.2022
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BO-MAR ESTATES
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LANDSCAPE PLAN

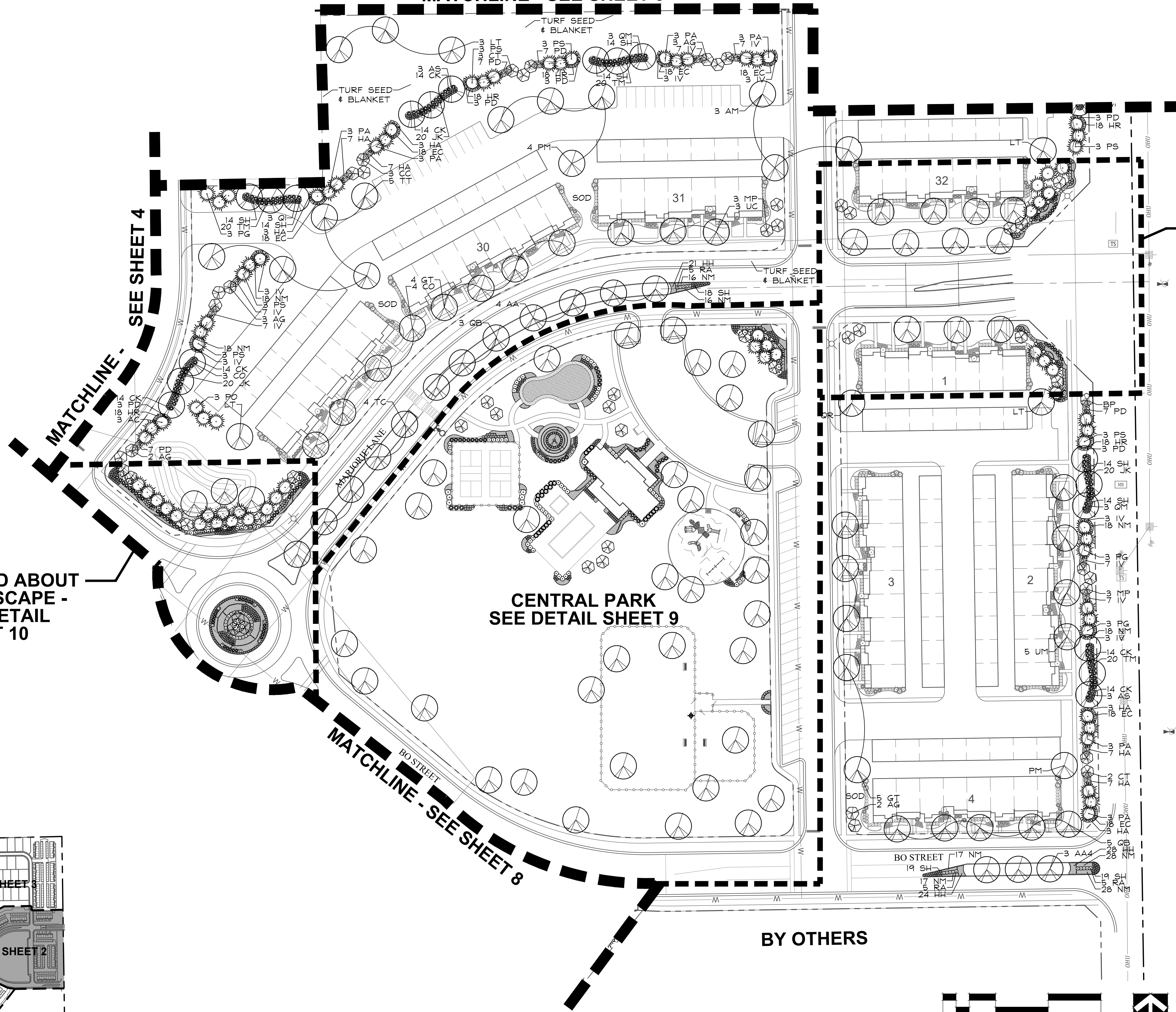
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2 OF 17

MATCHLINE - SEE SHEET 3



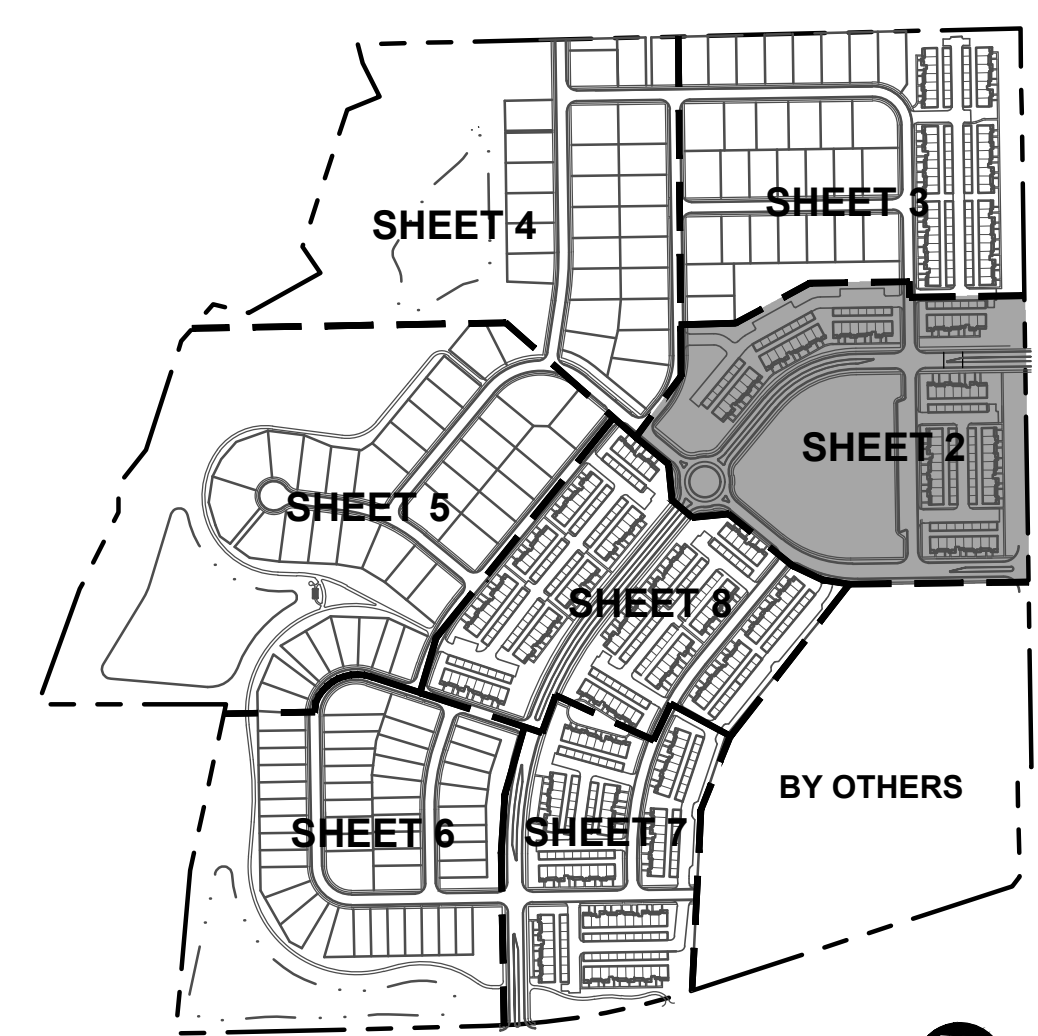
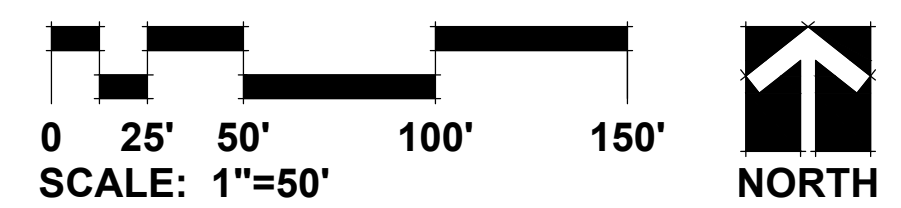
NORTH ENTRANCE
LANDSCAPE DETAIL -
SEE SHEET 10

ROUND ABOUT
LANDSCAPE -
SEE DETAIL
SHEET 10

CENTRAL PARK
SEE DETAIL SHEET 9

MATCHLINE - SEE SHEET 8

BY OTHERS



SHEET KEY
SCALE: 1"=500'



811
How many before
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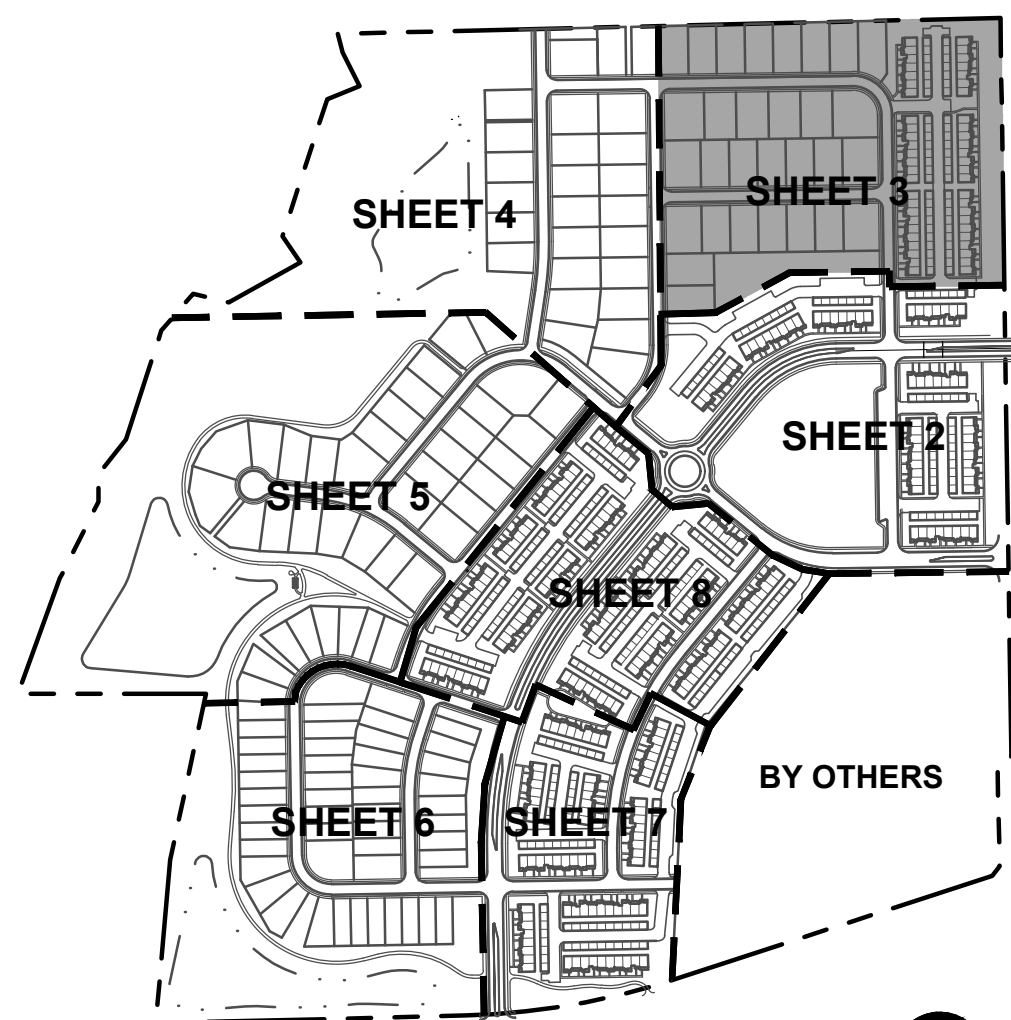
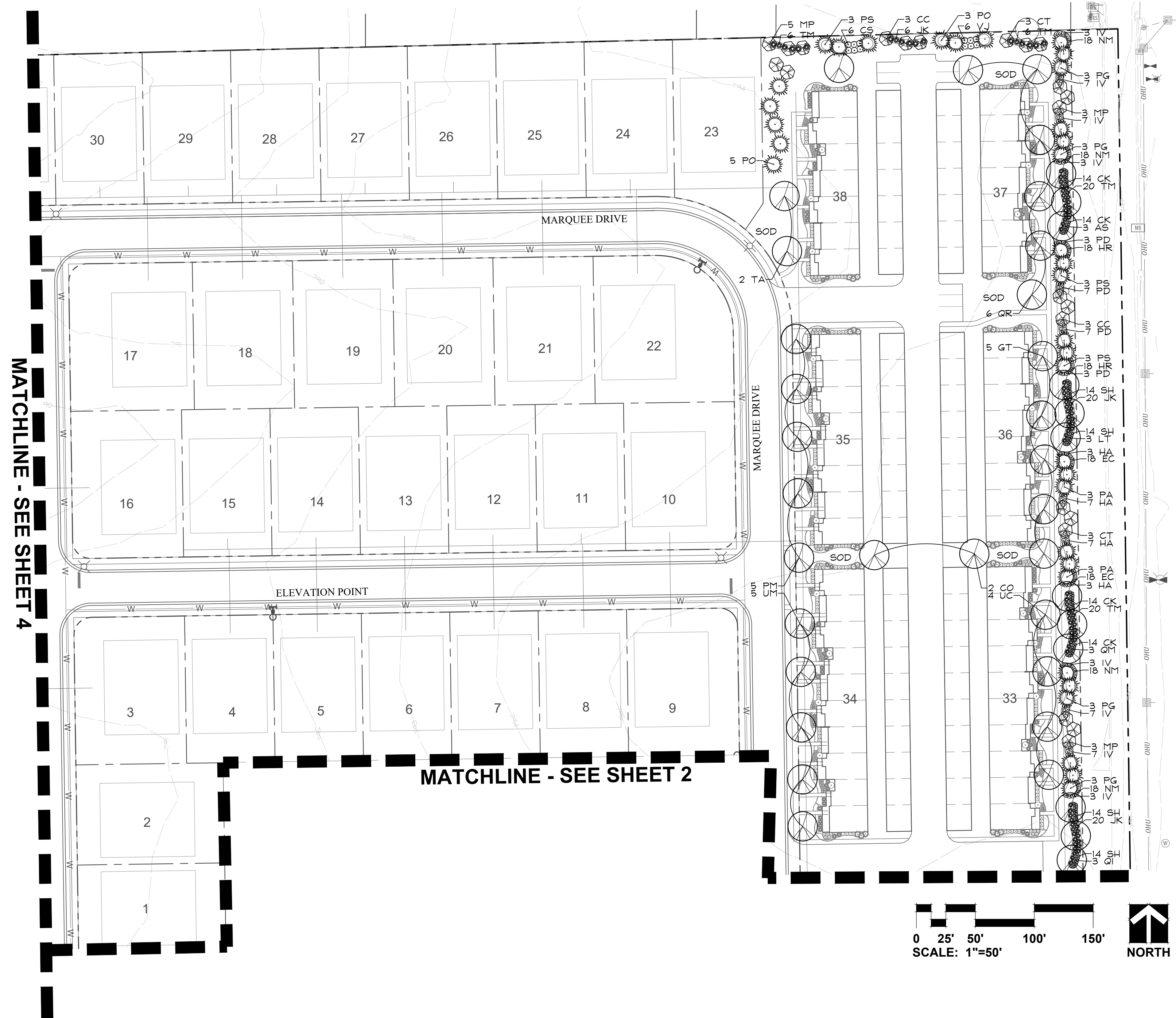
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LANDSCAPE PLAN

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SHEET KEY
SCALE: 1"=500'



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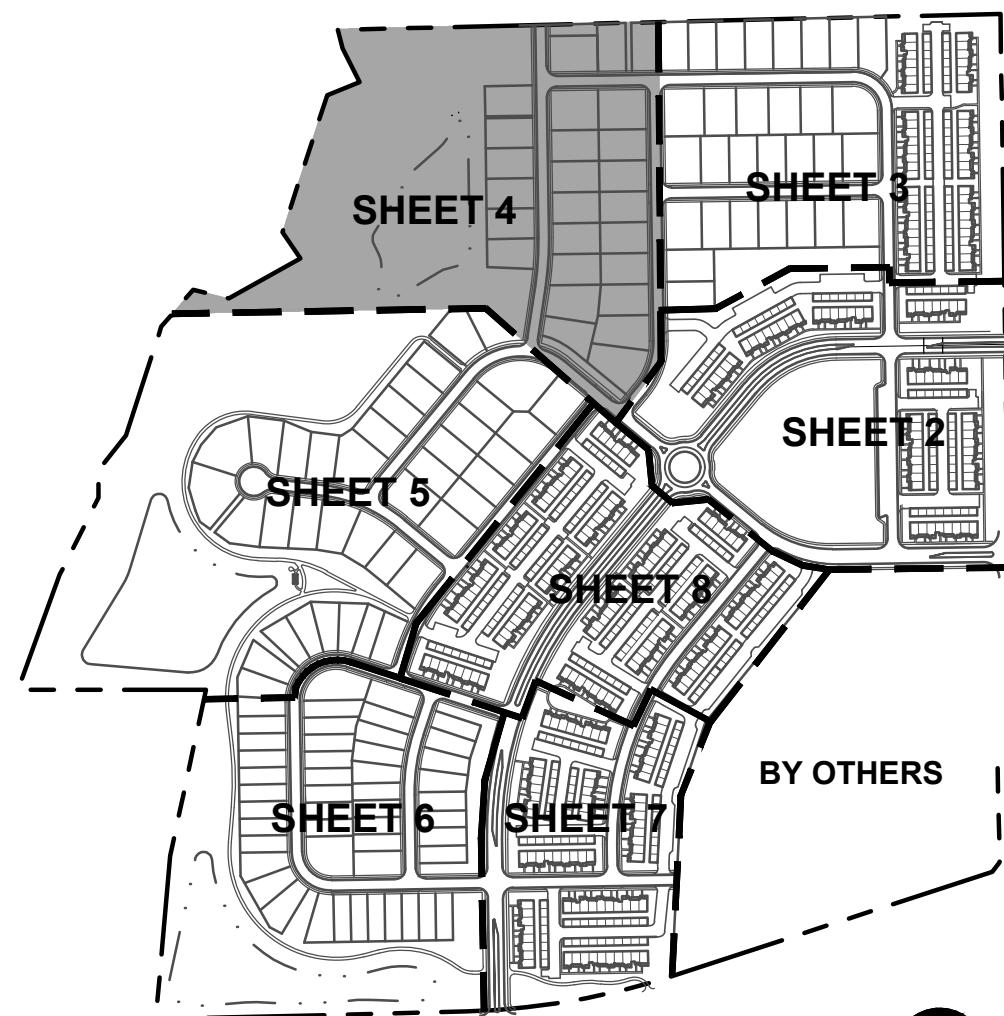
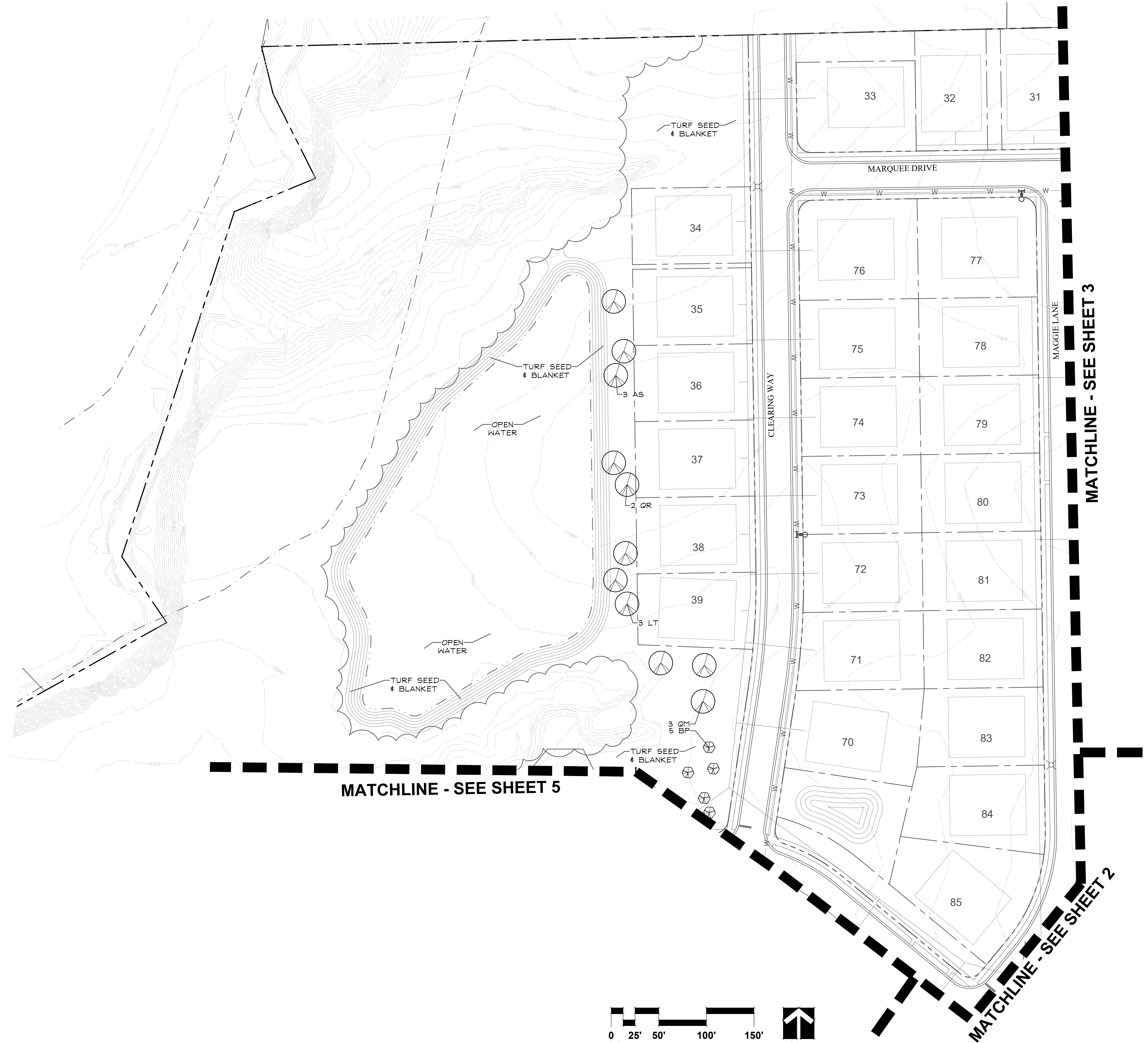
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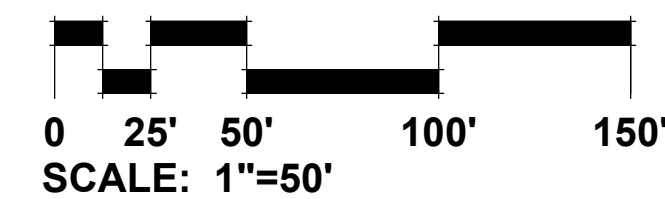
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SHEET KEY
SCALE: 1"=500'



NORTH



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MATCHLINE - SEE SHEET 4



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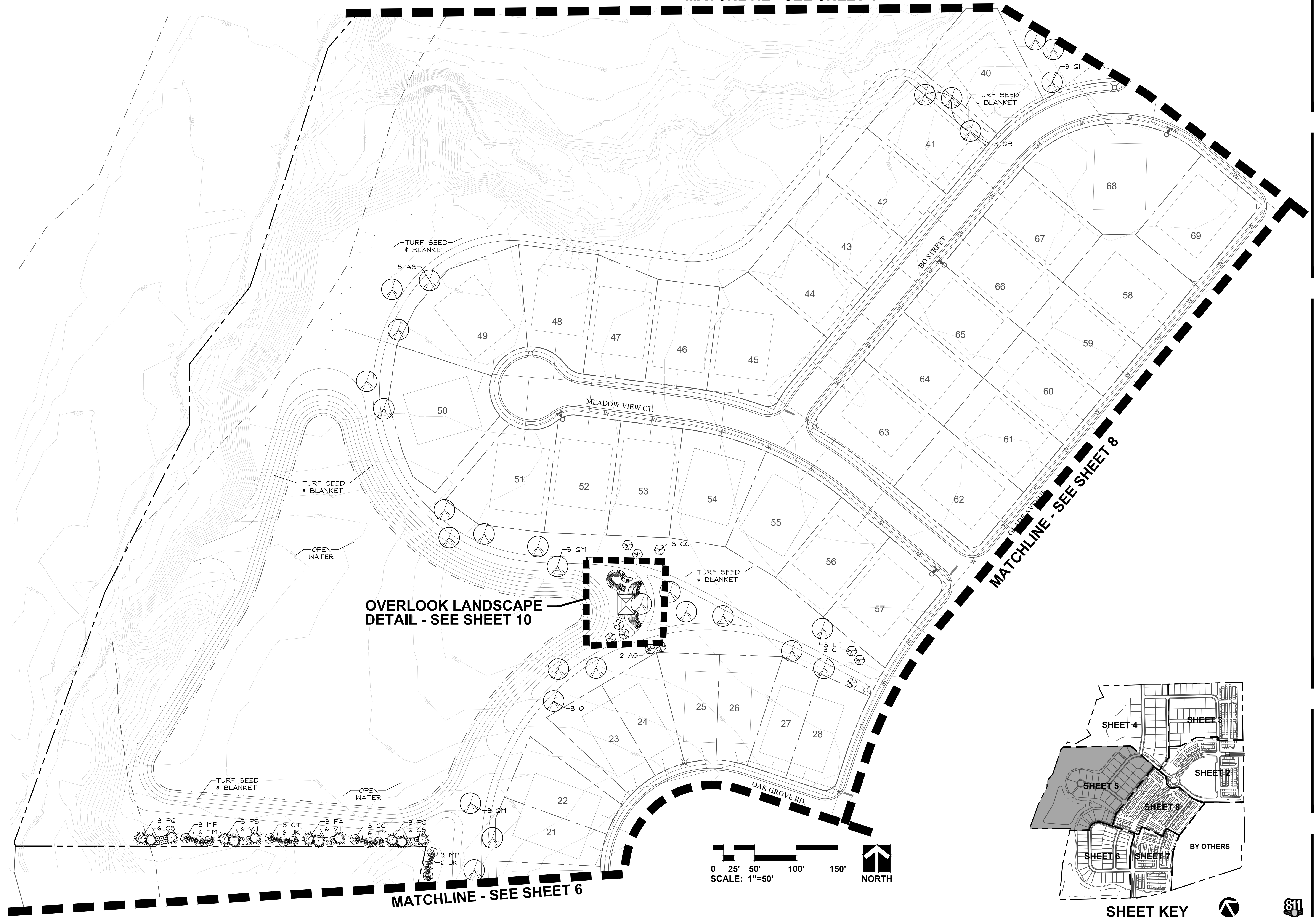
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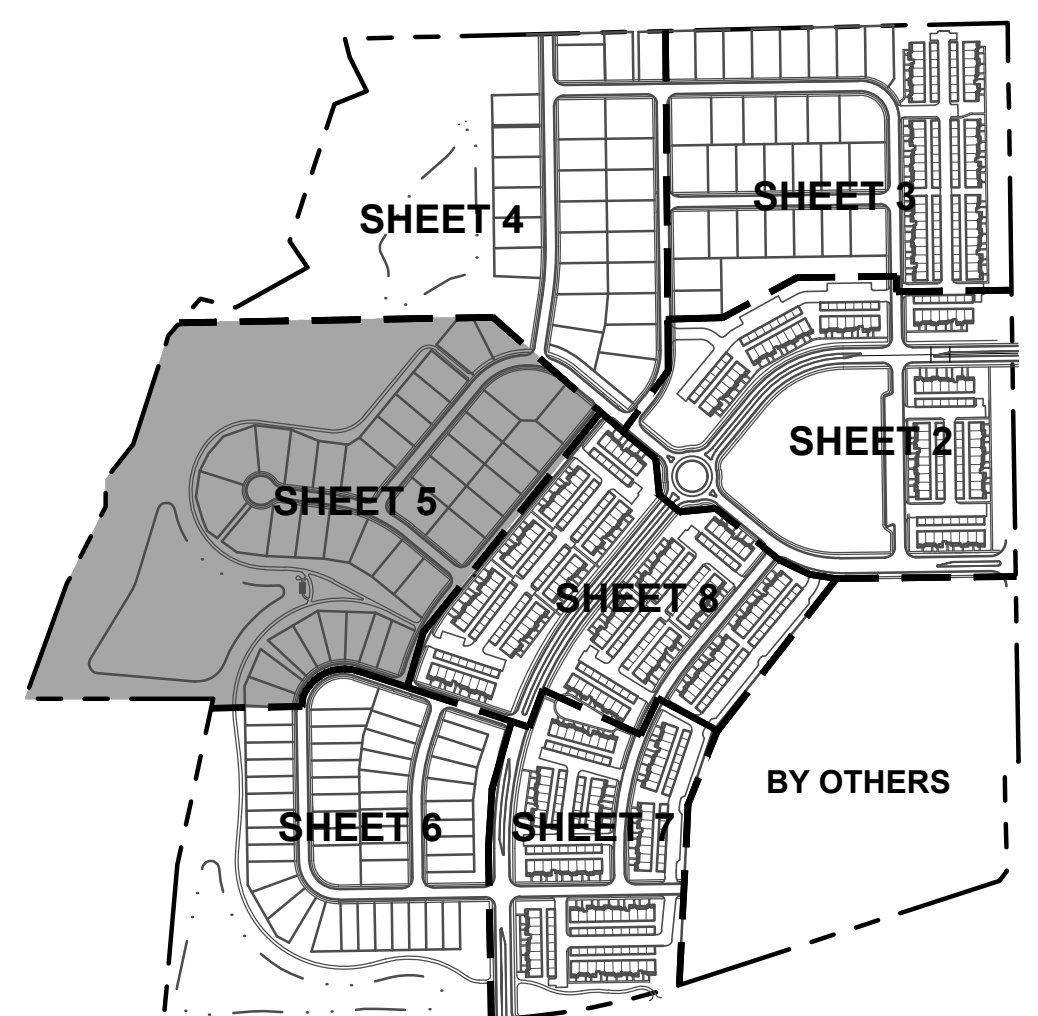
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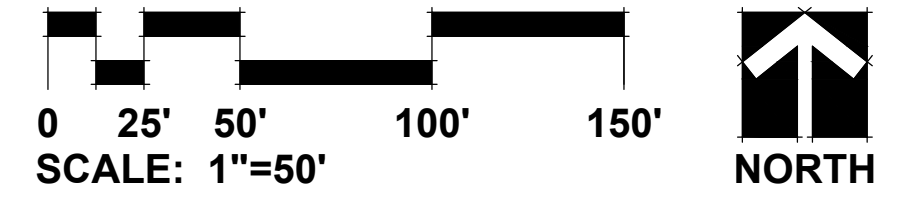
5 OF 17



OVERLOOK LANDSCAPE DETAIL - SEE SHEET 10



SHEET KEY SCALE: 1"=50' NORTH



MATCHLINE - SEE SHEET 6

MATCHLINE - SEE SHEET 8

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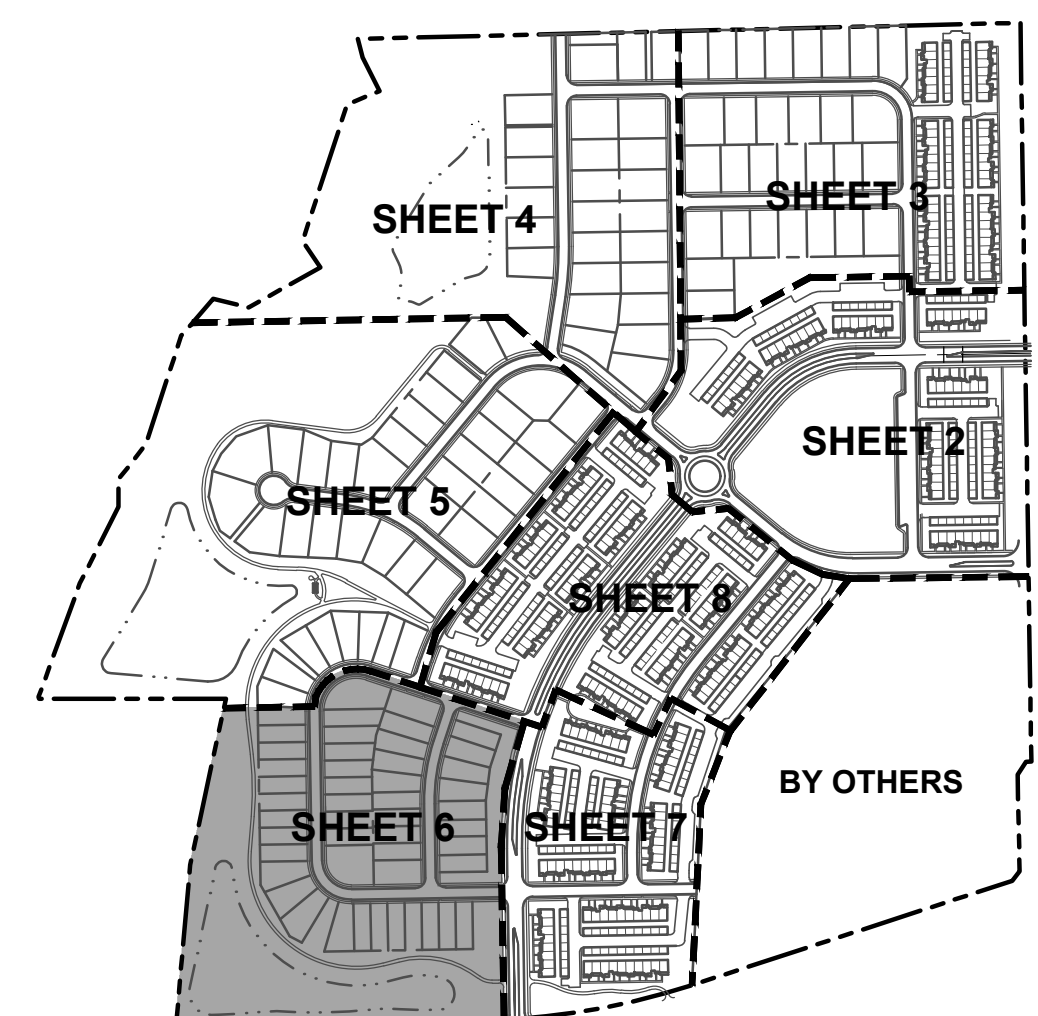
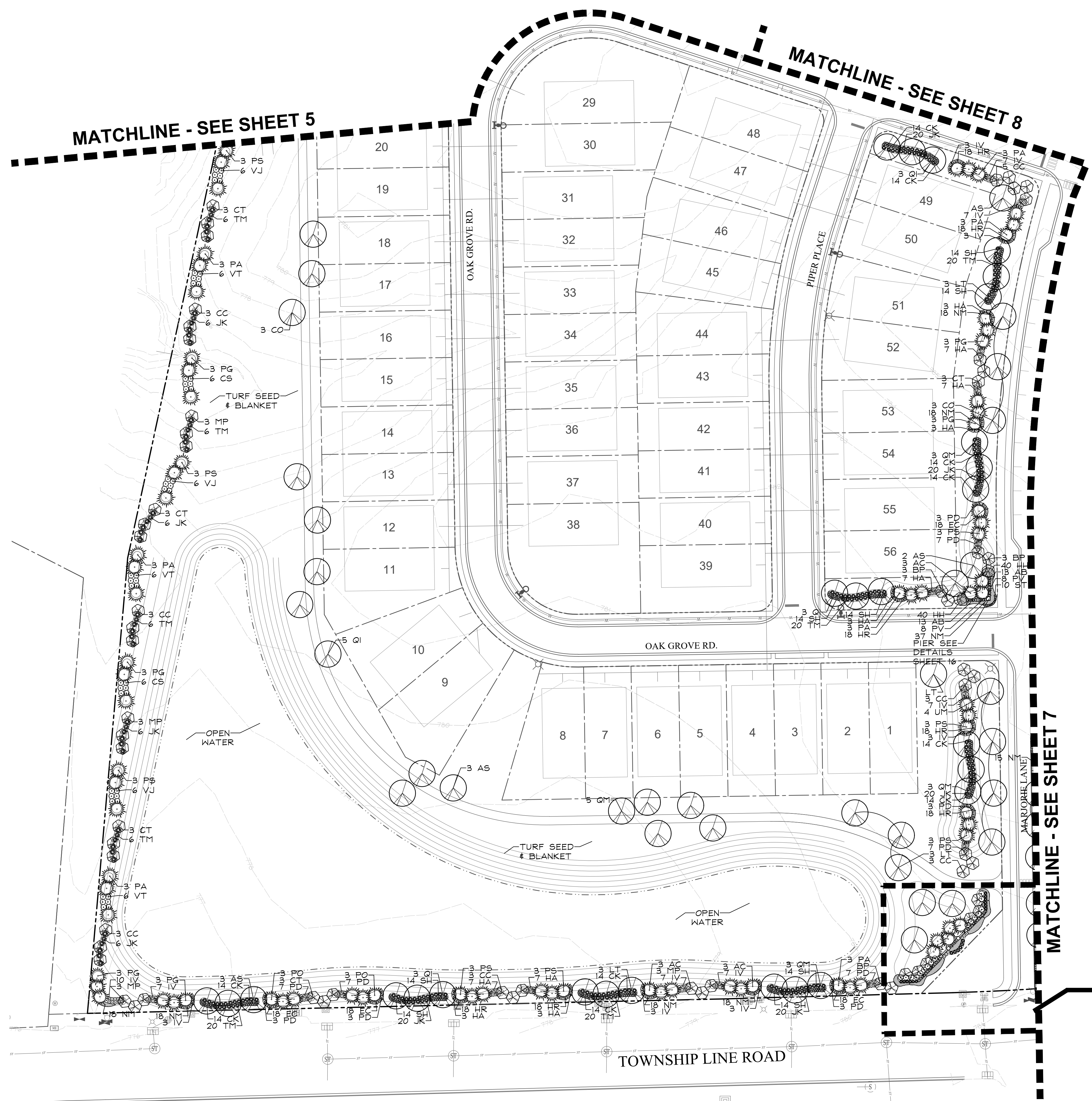
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LANDSCAPE PLAN

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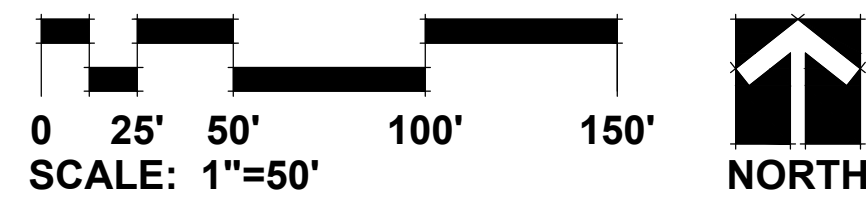
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6 OF 17



SHEET KEY
SCALE: 1"=50'
NORTH



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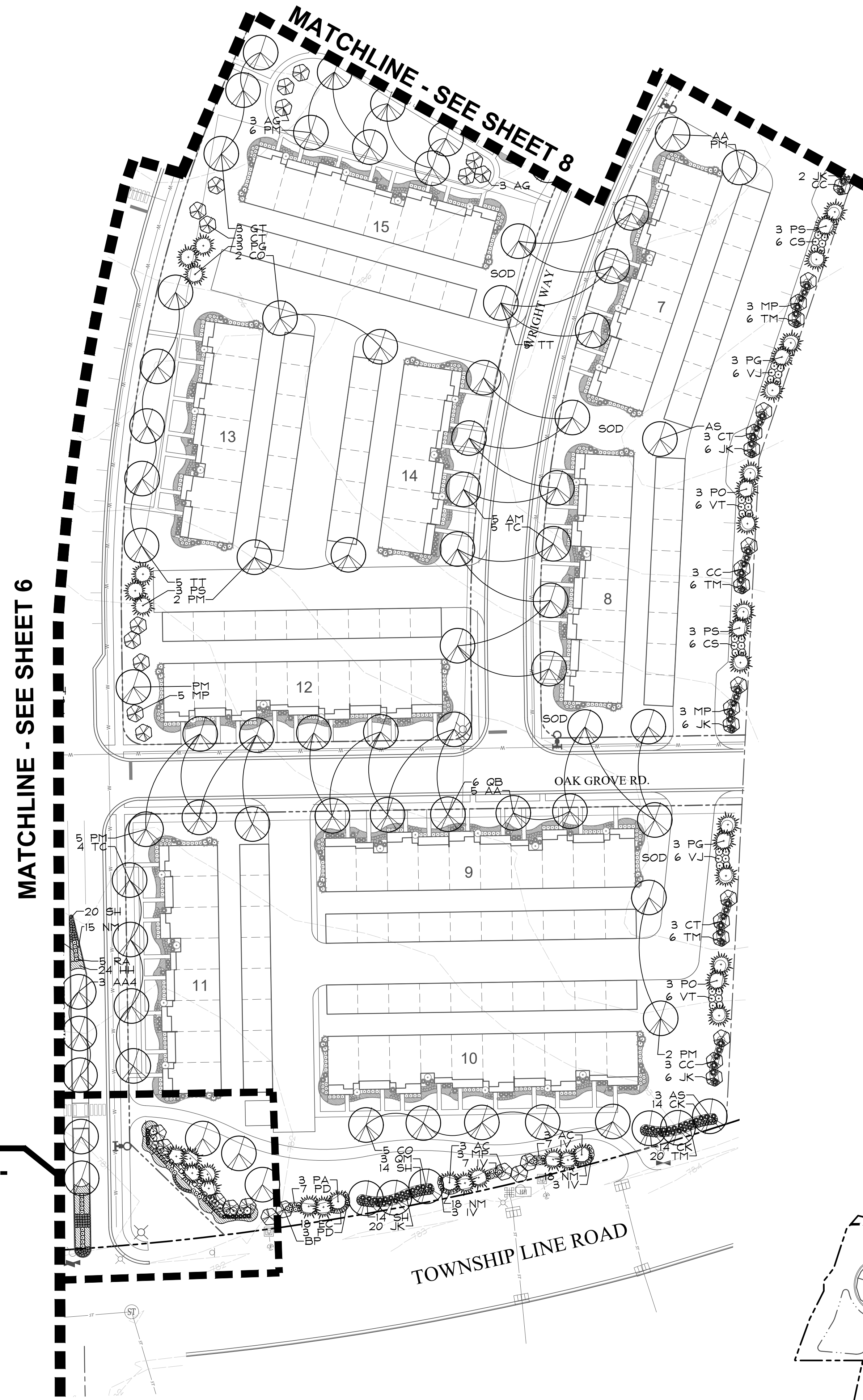
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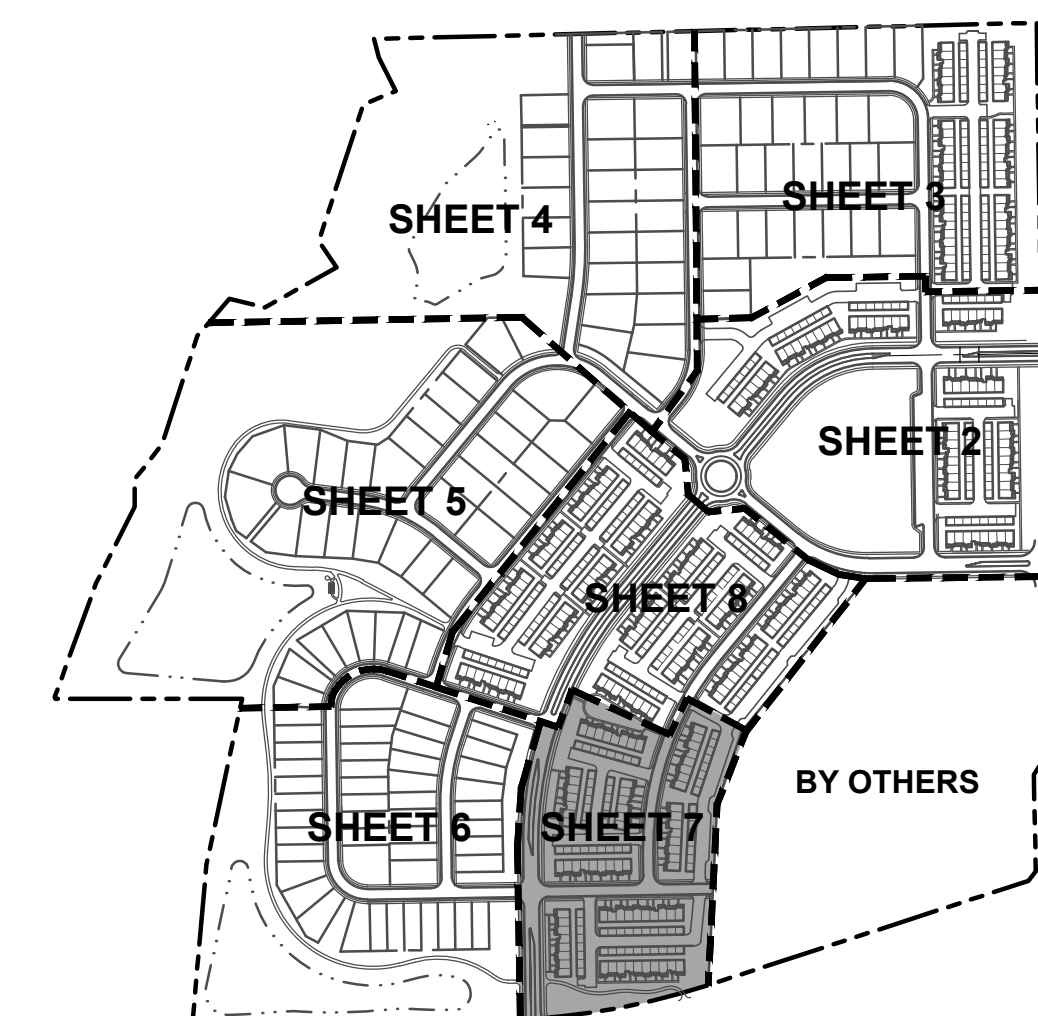
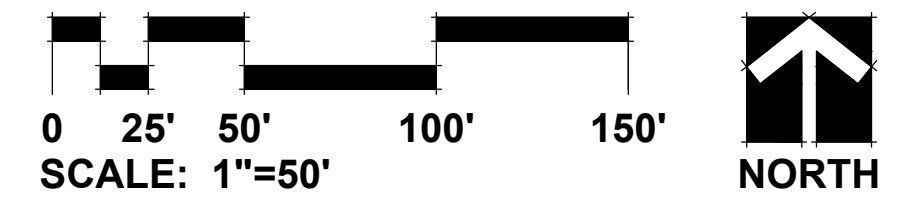
7 OF 17



MATCHLINE - SEE SHEET 6

MATCHLINE - SEE SHEET 8

SOUTH ENTRANCE
LANDSCAPE DETAIL -
SEE SHEET 10



SHEET KEY
SCALE: 1"=500'



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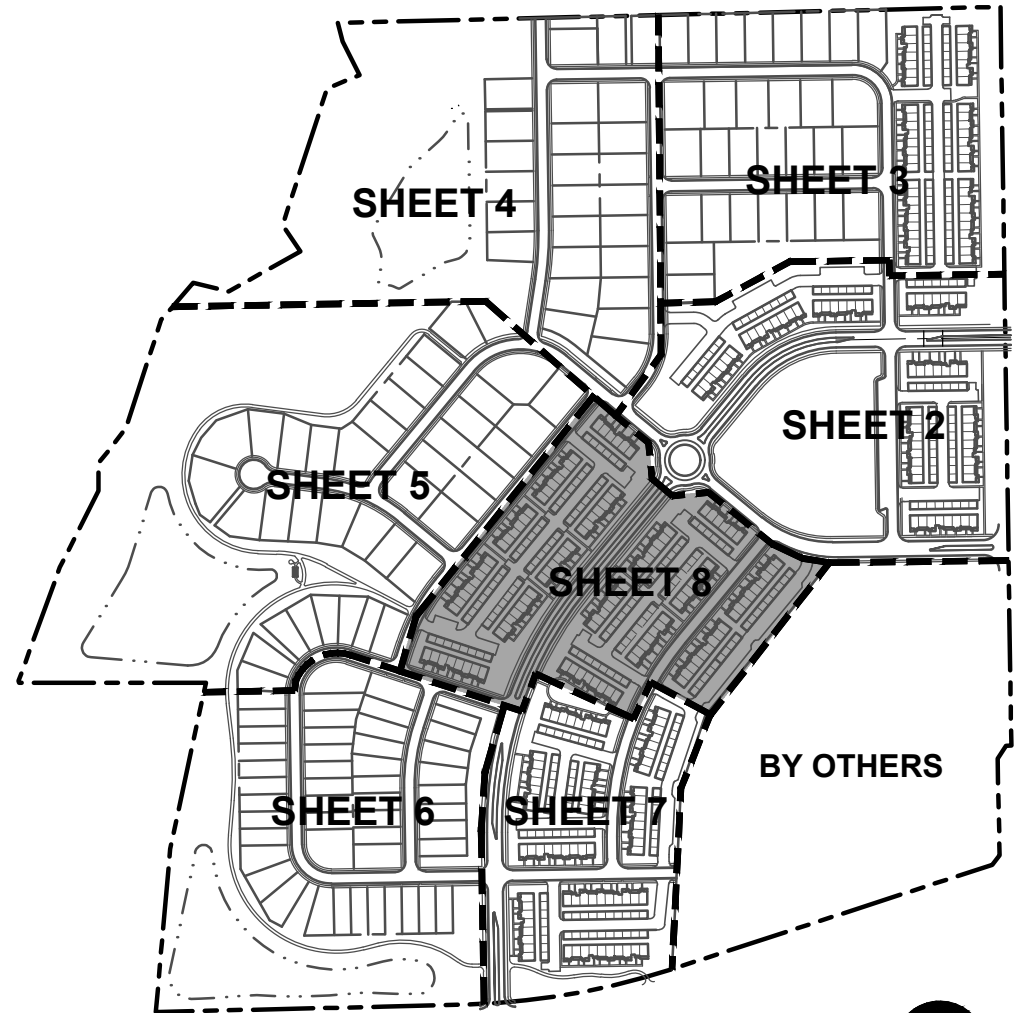
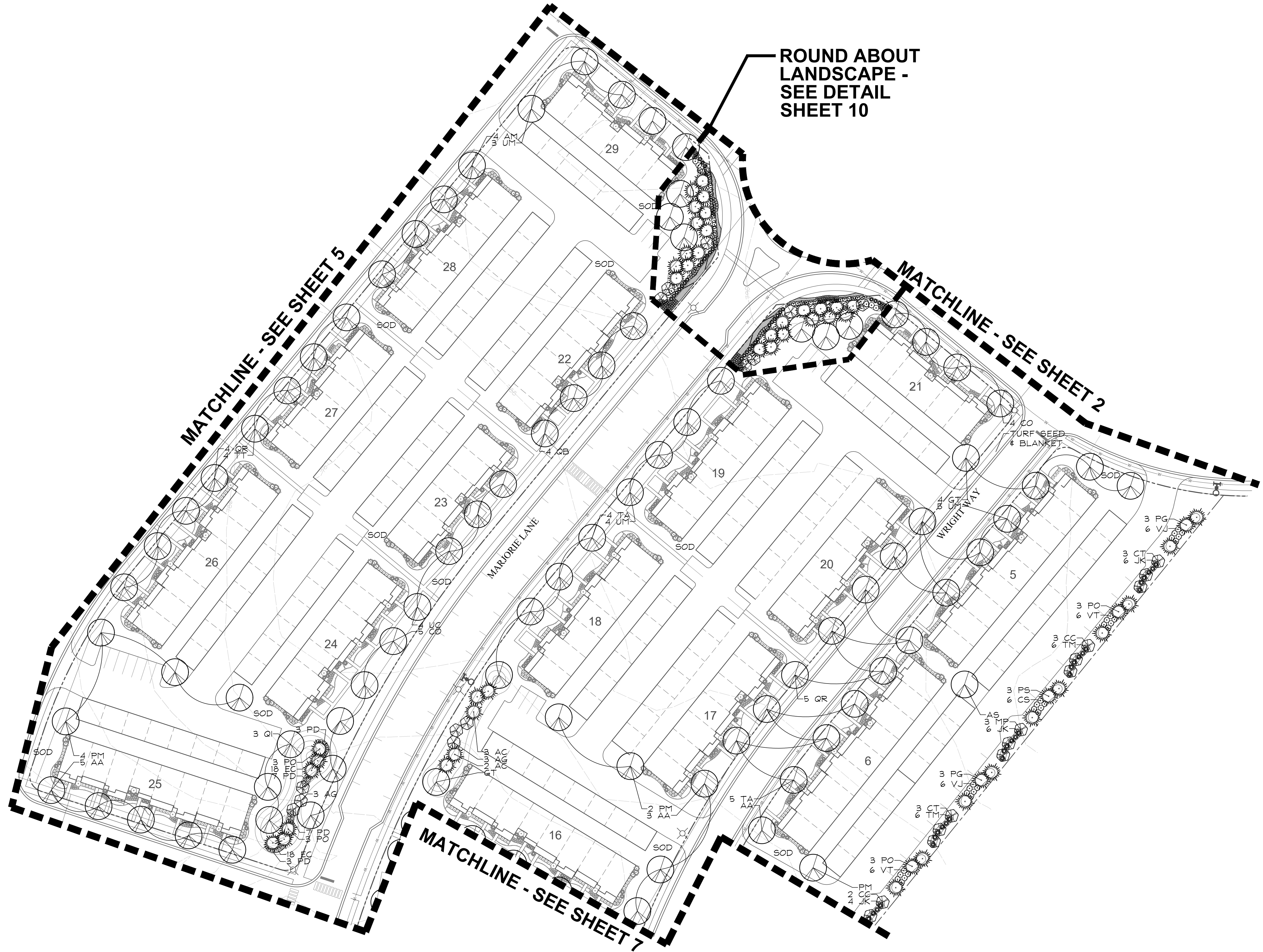
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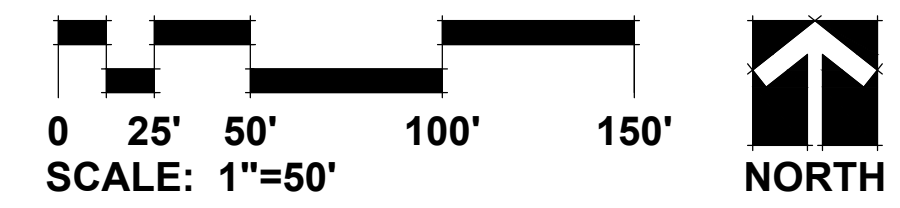
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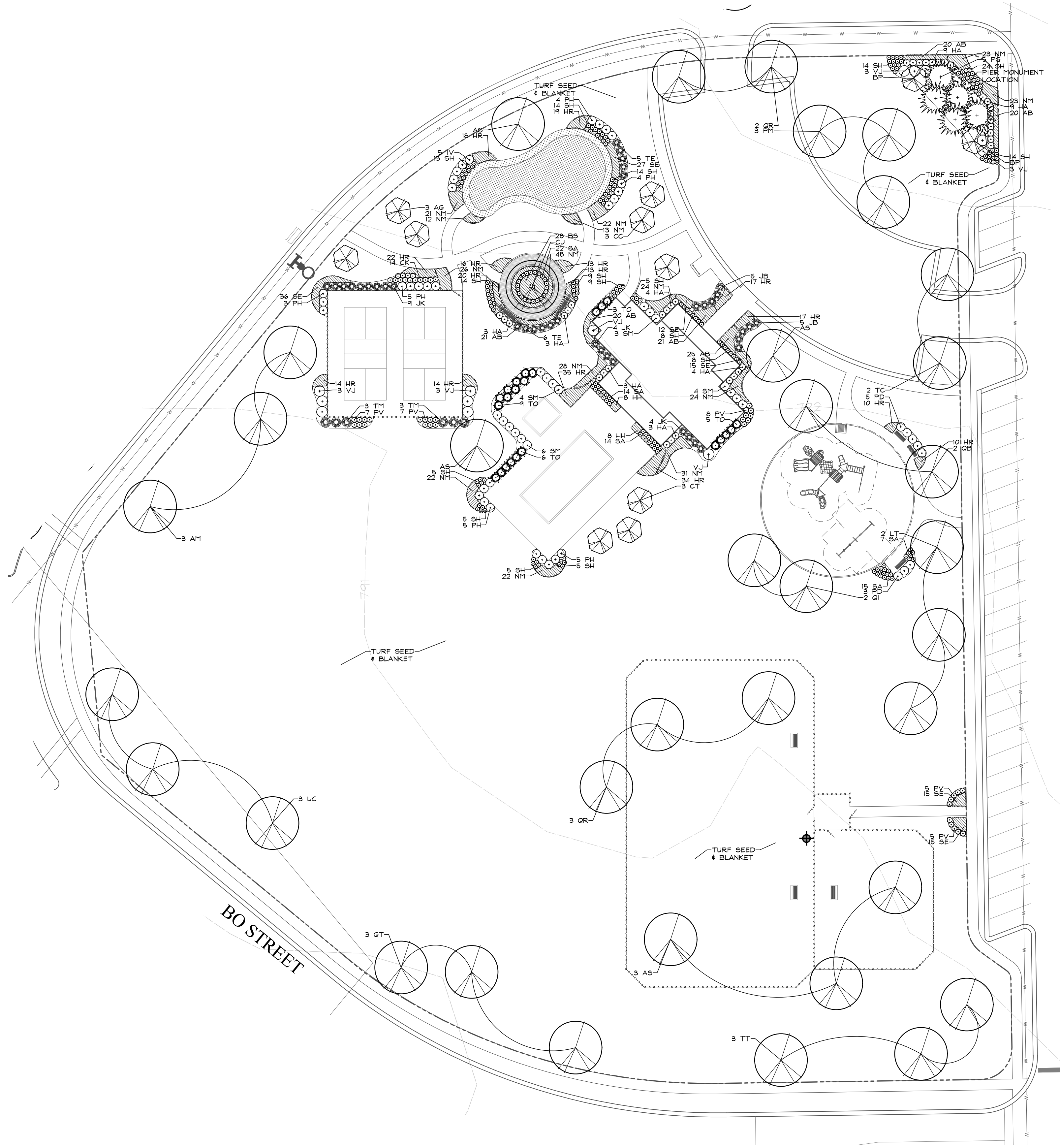
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SHEET KEY
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CENTRAL PARK LANDSCAPE DETAIL



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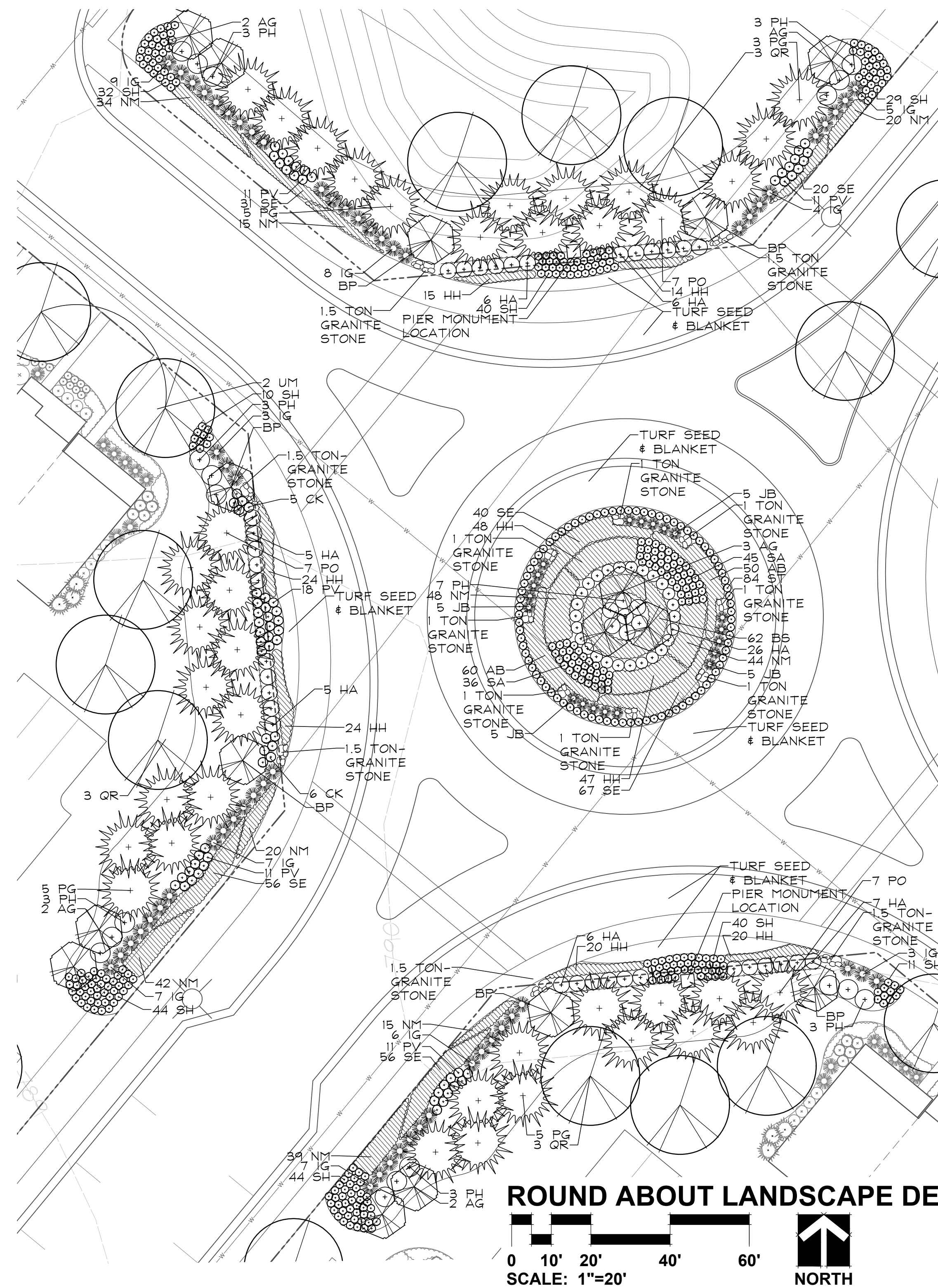
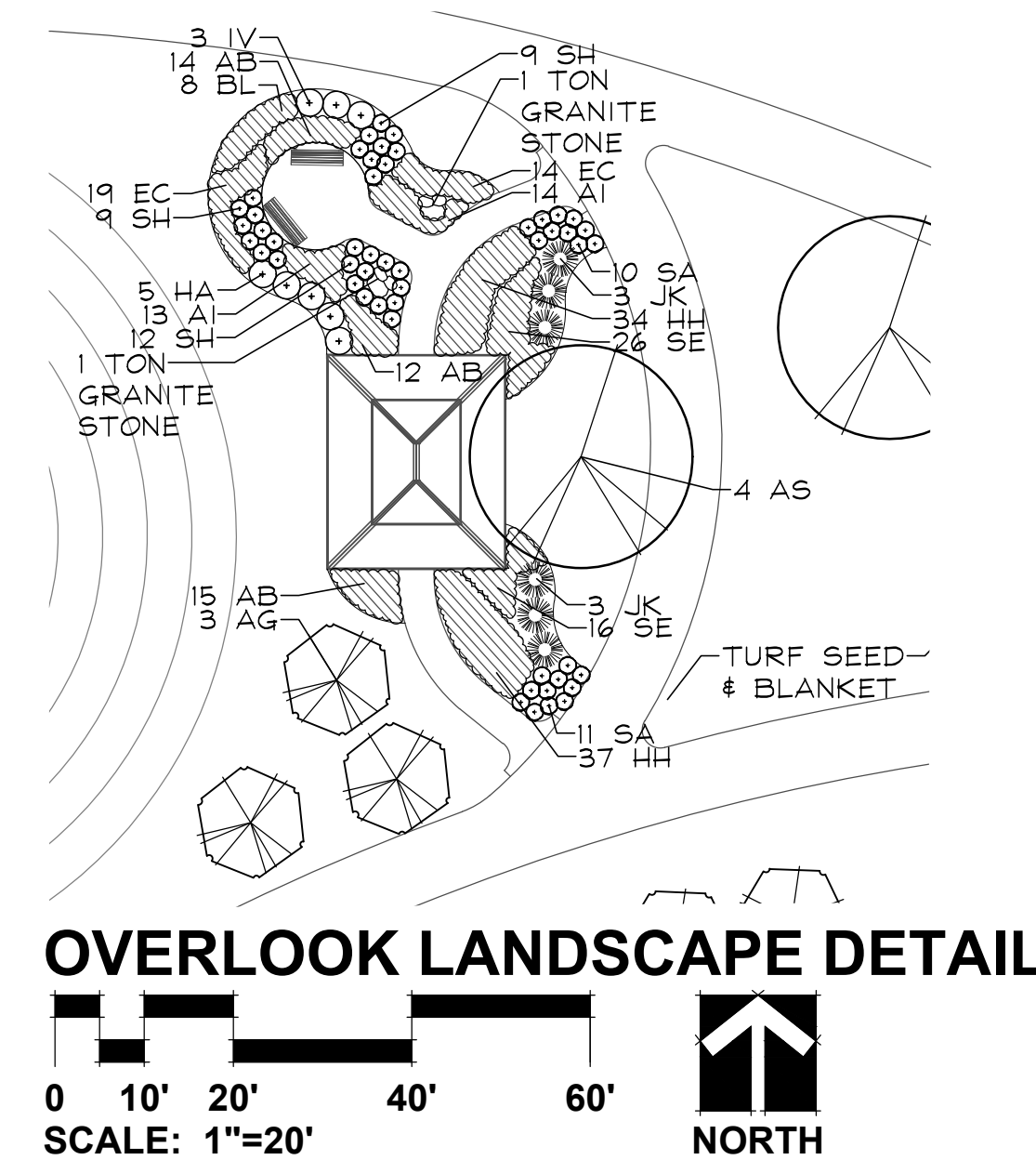
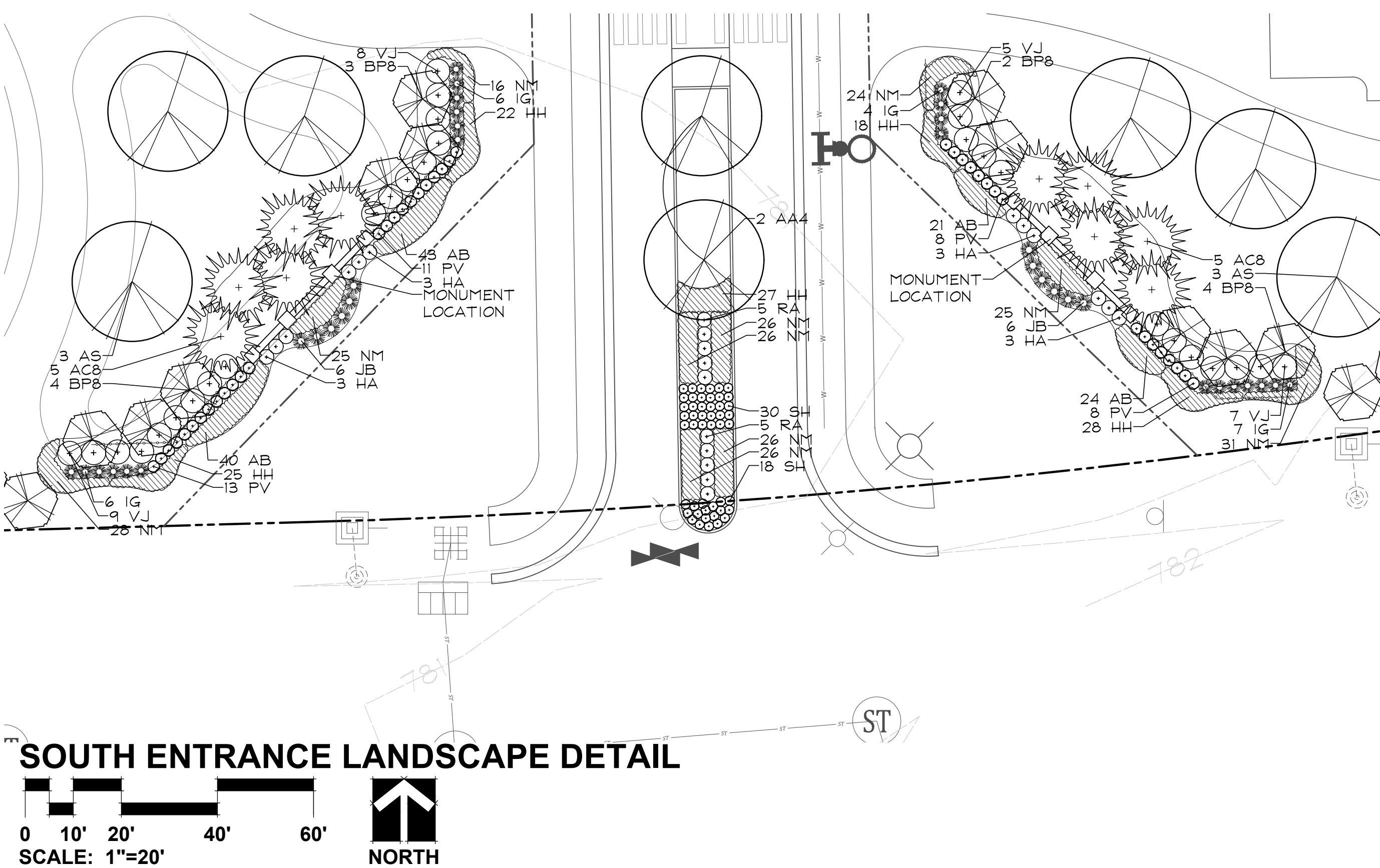
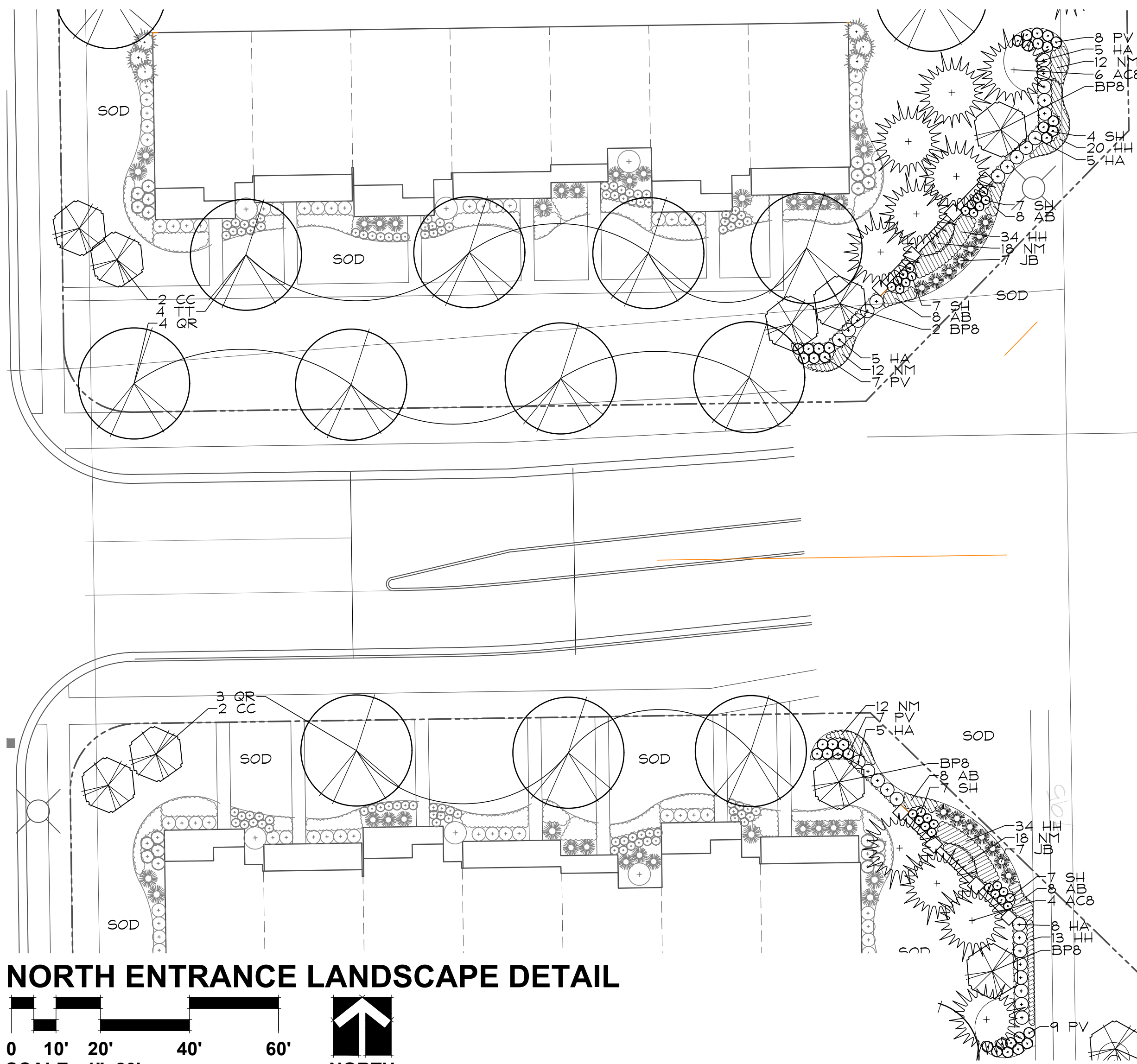
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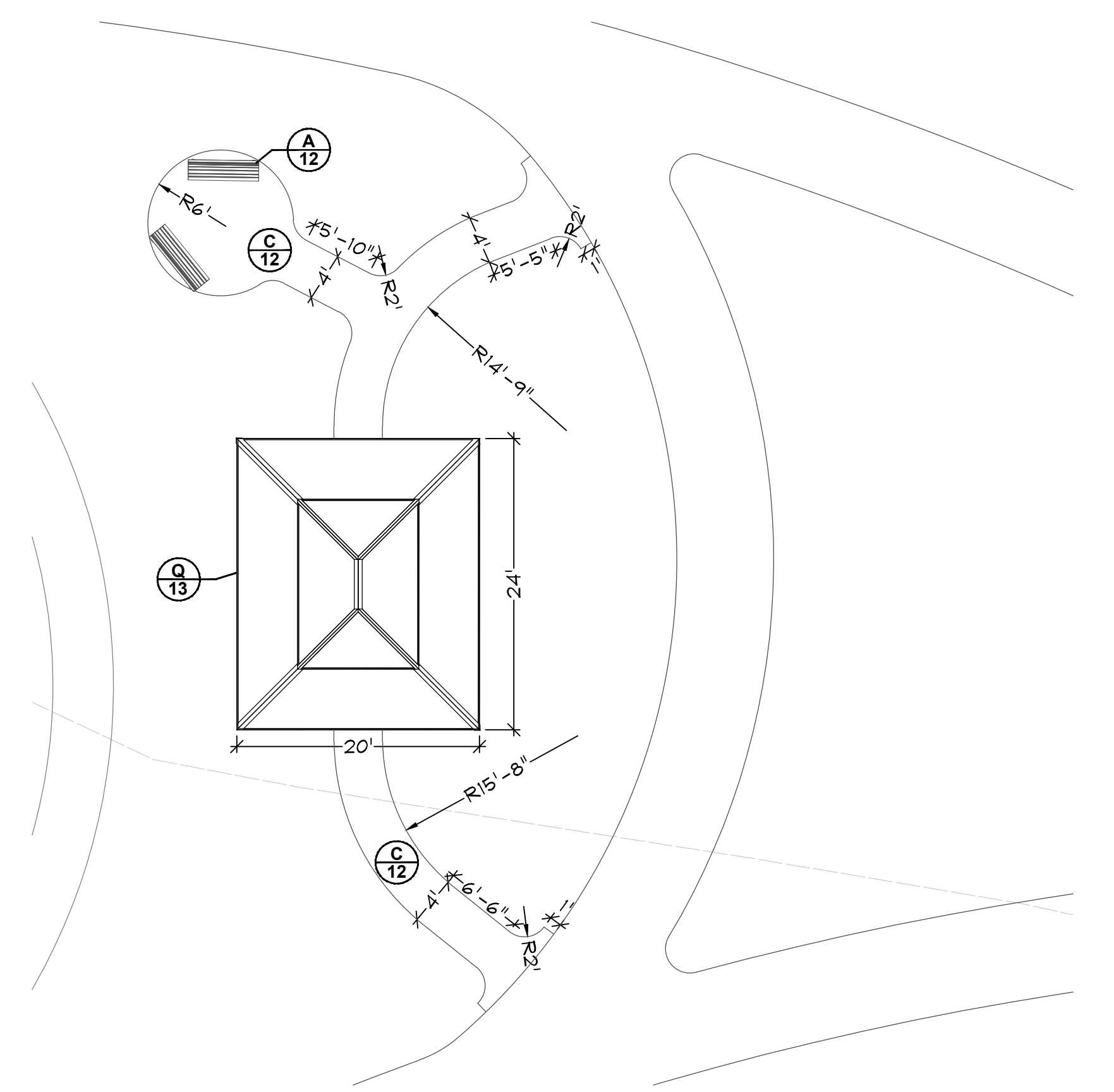
BO-MAR ESTATES
PLAINFIELD, INDIANA
LAYOUT DETAILS

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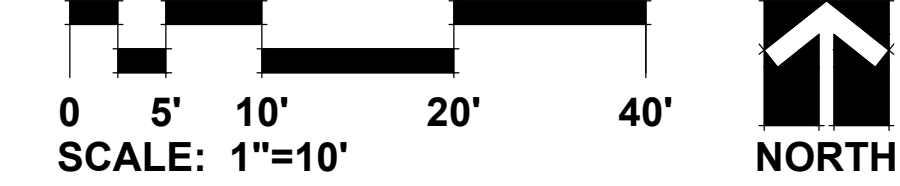
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CHECKED GFB
SHEET NO.

11 OF 17



POCKET PARK LAYOUT DETAIL



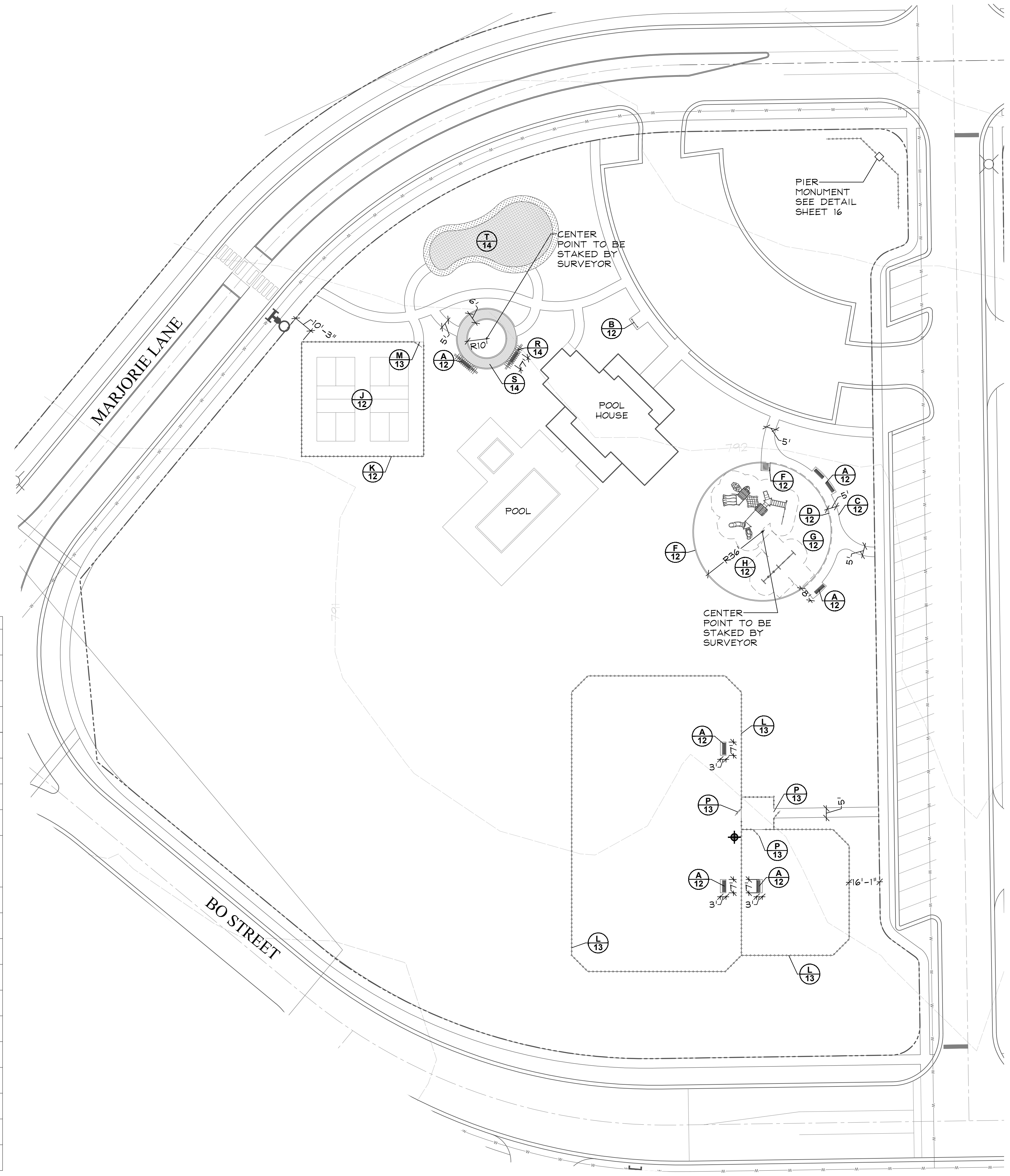
SITE FURNISHINGS SCHEDULE

ITEM	MANUFACTURER	MODEL	QUANTITY	COMMENTS
A 12	DUMOR	HARTFORD WITH BACK	7	COLOR: BLACK
B 12	DUMOR	HORIZONS	1	COLOR: BLACK
C 12			X S.F.	
D 12			92 L.F.	
E 12			281 L.F.	
F 12			1	
G 12			4,051 S.F.	
H 12			1	
I 12	SPORTMASTER		2	ASPHALT PAD WITH PAINTED COATING COURT COLOR: LIGHT GREEN BORDER COLOR: LIGHT BLUE NON-VOLLEY ZONE COLOR: RED
J 12	WILSON			INSTALL WITH 24" PVC SLEEVES PER MANUFACTURER'S SPECIFICATIONS
K 12			XX L.F.	VINYL COATED CHAIN LINK COLOR: BLACK
L 13			XX L.F.	VINYL COATED CHAIN LINK COLOR: BLACK
M 13			1	VINYL COATED CHAIN LINK COLOR: BLACK
N 13			1	
O 13	AMERISTAR		XX L.F.	VINYL COATED CHAIN LINK COLOR: BLACK
P 13	AMERISTAR		XX L.F.	VINYL COATED CHAIN LINK COLOR: BLACK
Q 13			1	VINYL COATED CHAIN LINK COLOR: BLACK
R 14			2	VINYL COATED CHAIN LINK COLOR: BLACK
S 14	BELGARD	HOLLAND STONE	409 S.F.	COLOR: COTSWOLD MIST
T 14	GROTURF		2,002 S.F.	

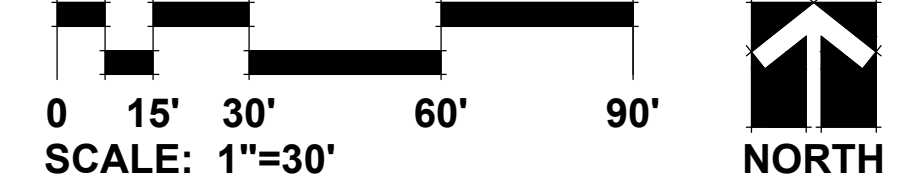
PLAY LOT APPARATUS SCHEDULE

NOTE: INSTALL PER MANUFACTURER'S SPECIFICATION.

ITEM	MANUFACTURER	COMMENTS
U 14	TO BE DETERMINED	
V 14	TO BE DETERMINED	

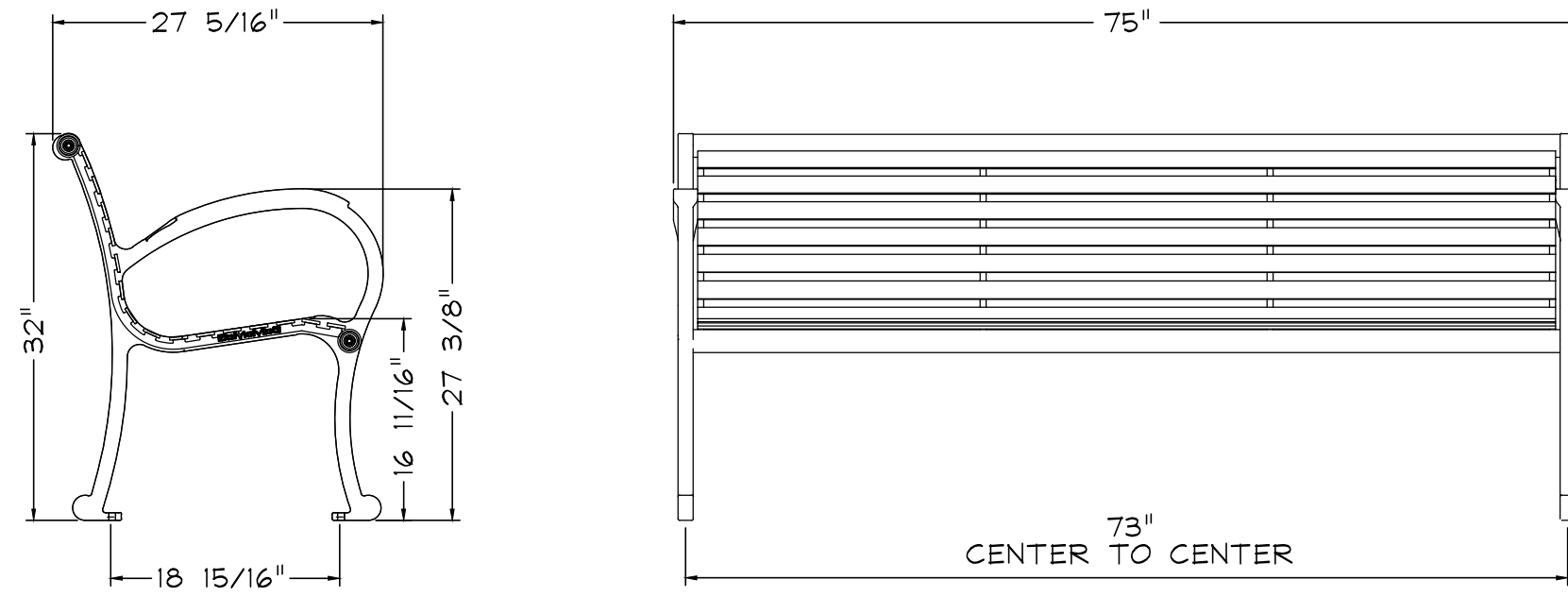
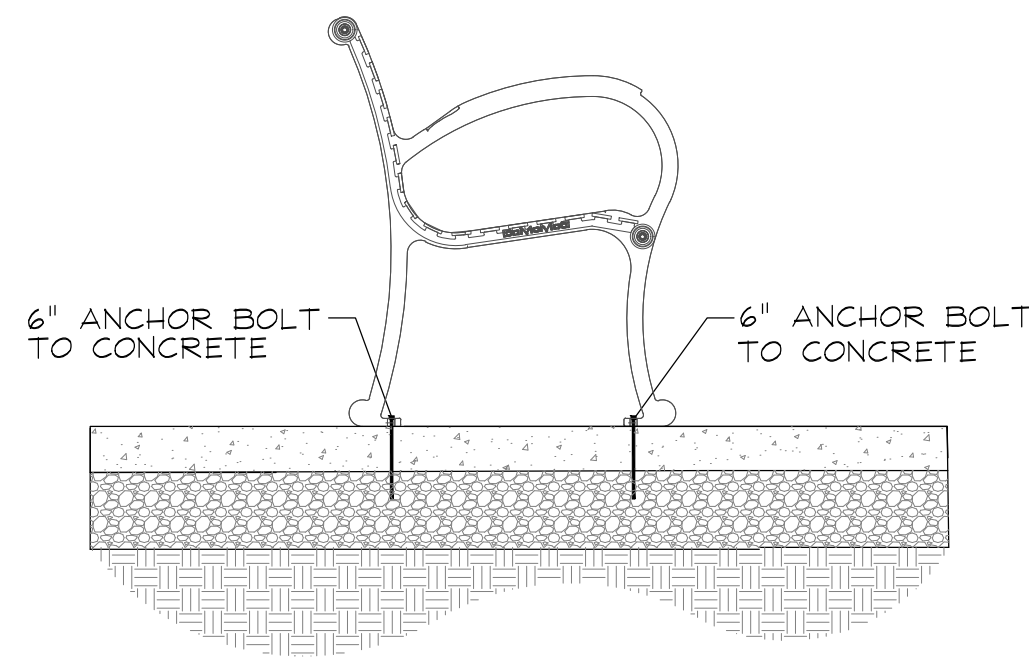


CENTRAL PARK LAYOUT DETAIL

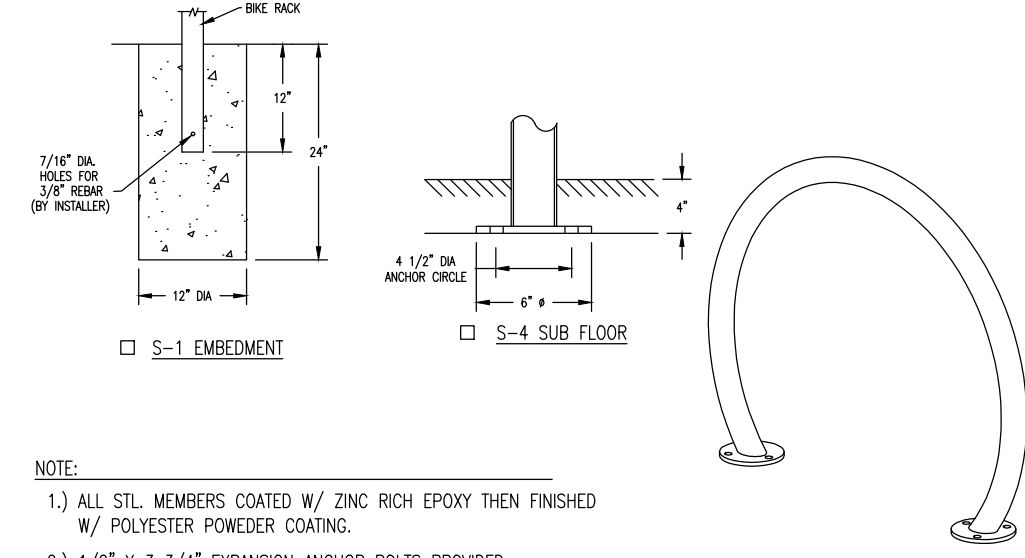
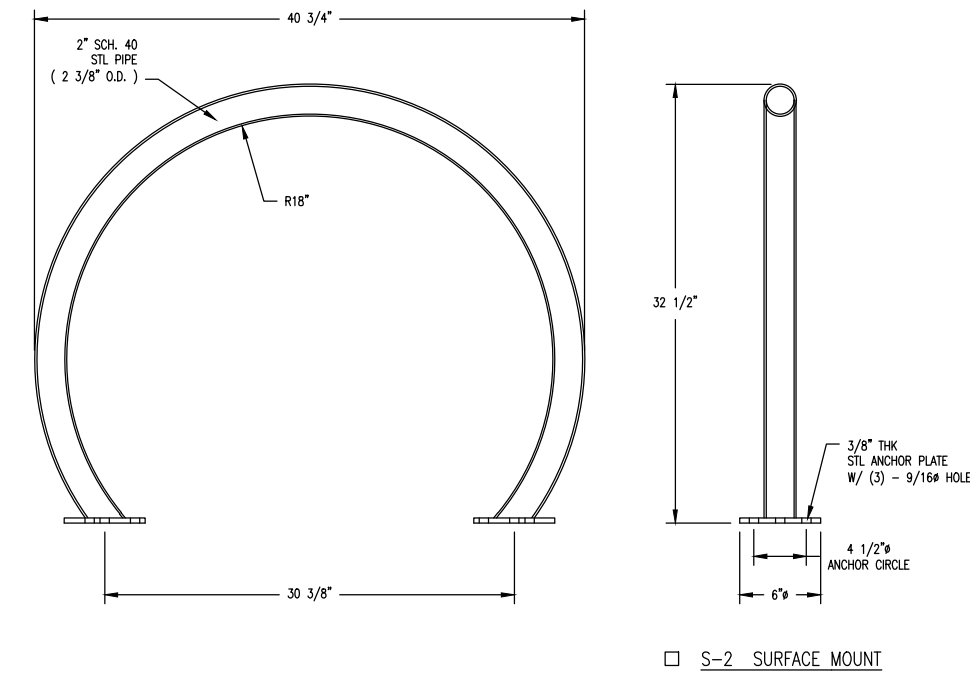


How many before you dig. Call before you dig.

DUMOR SITE FURNISHINGS 6' BENCH
 MODEL: 165
 COLOR: BLACK
 SLATS: DOUGLAS FIR
 MOUNTING: SURFACE
 INSTALL PER MANUFACTURER'S SPECIFICATIONS

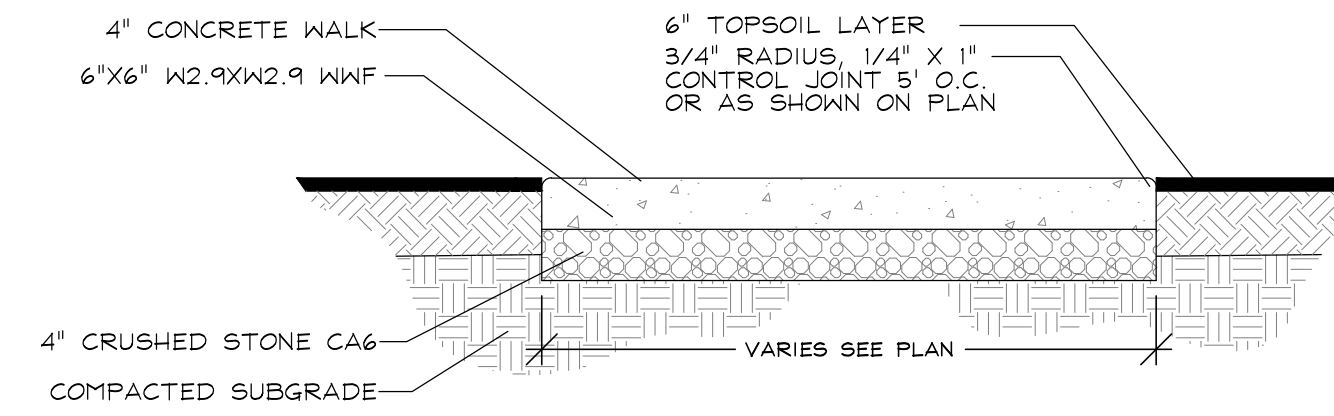


A
12 BENCH

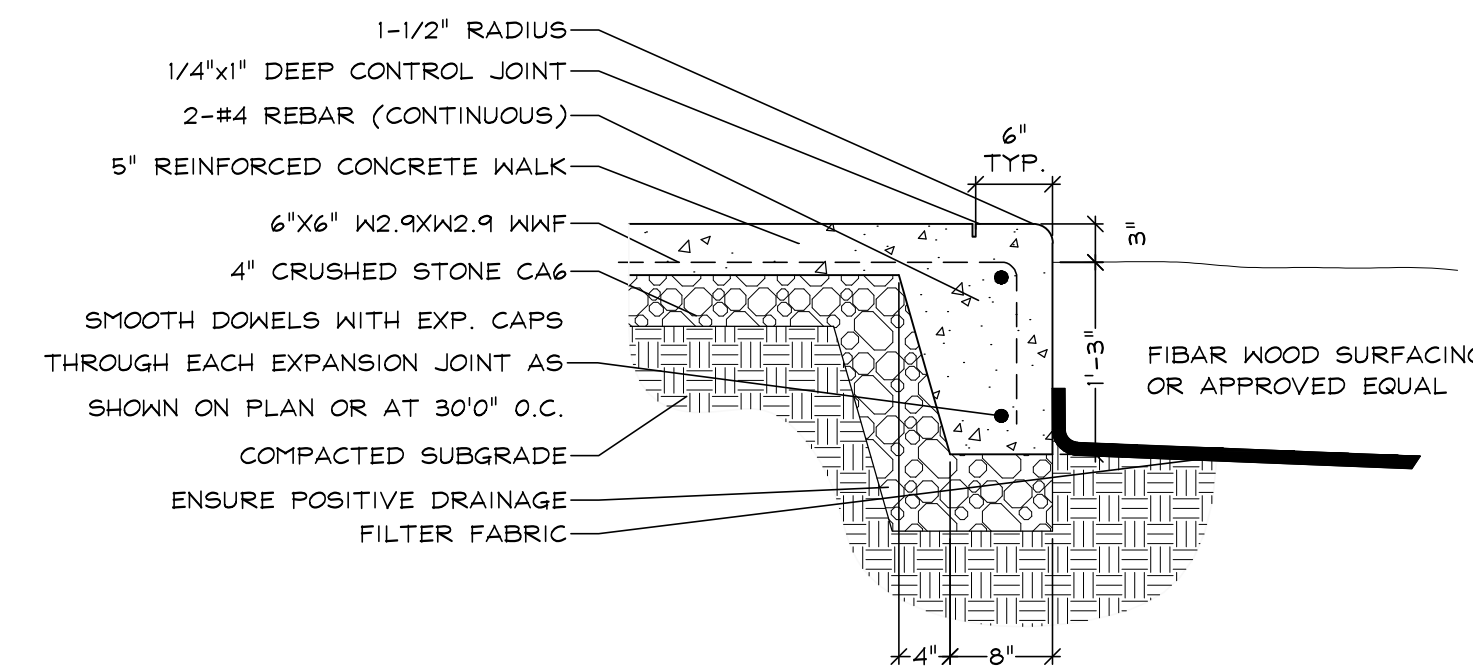


NOTE:
 1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
 2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2 & S-4.

B
12 BIKE RACK

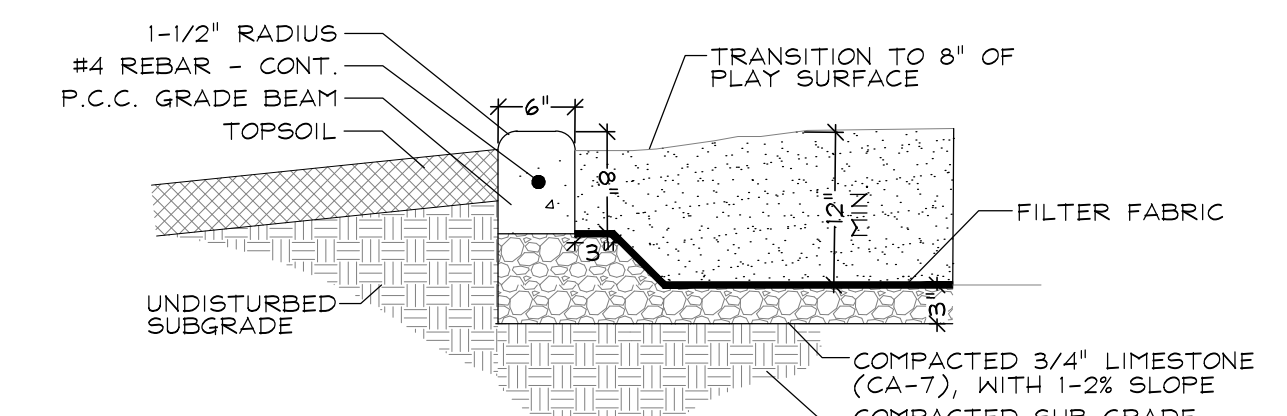


C
12 CONCRETE WALK

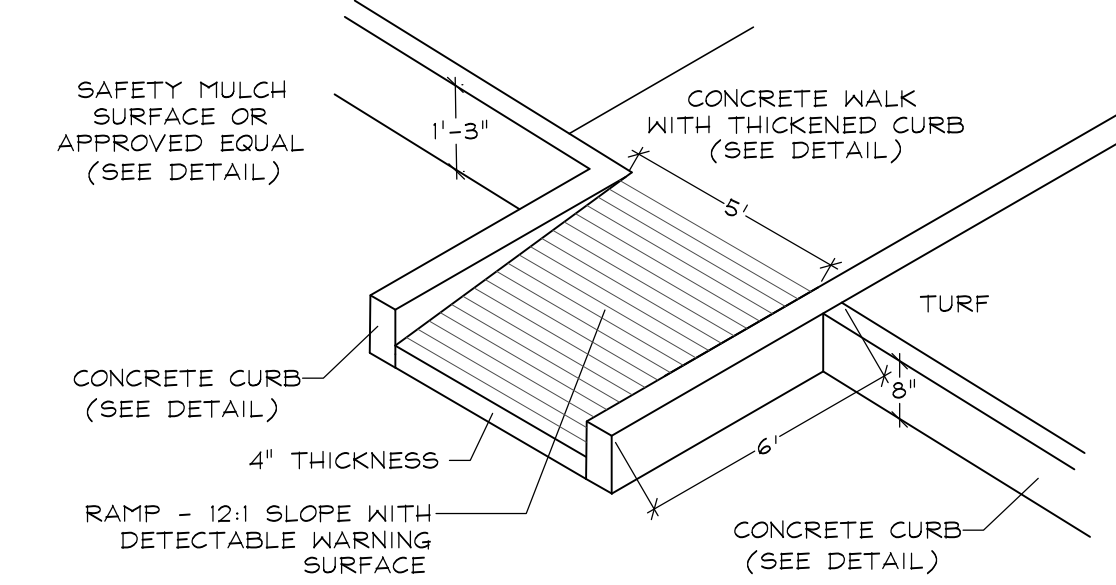


NOTE: THICKENED EDGE TO BE USED ADJACENT TO ALL PLAY AREAS

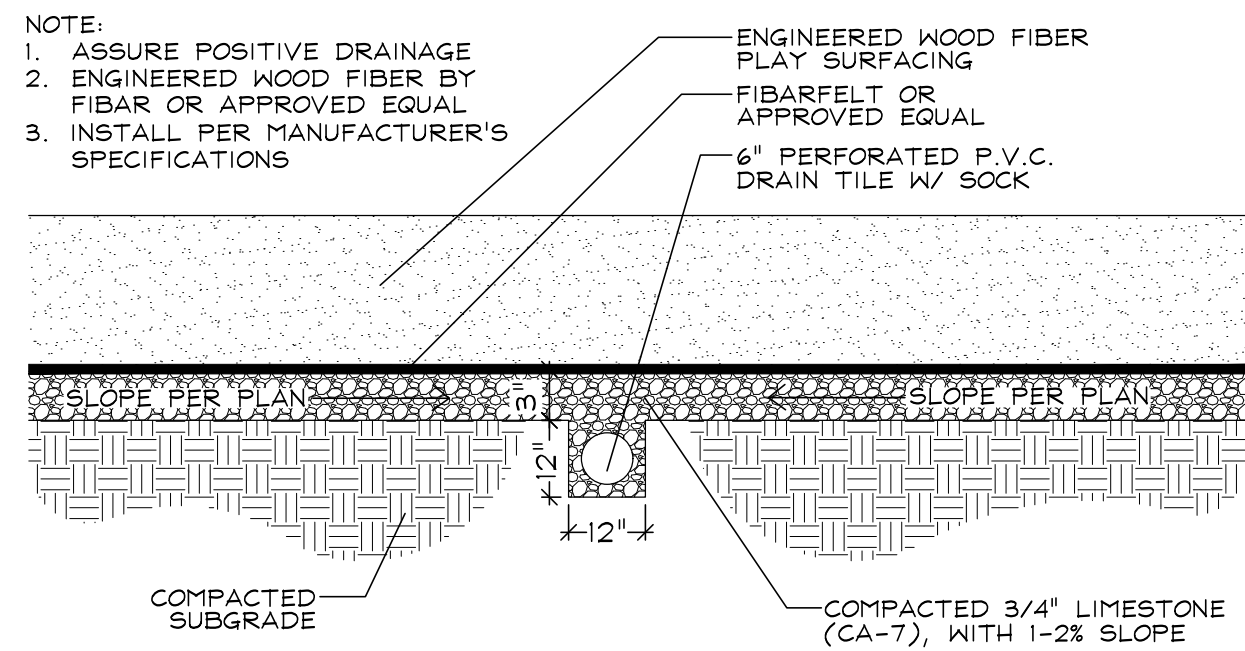
D
12 THICKENED EDGE



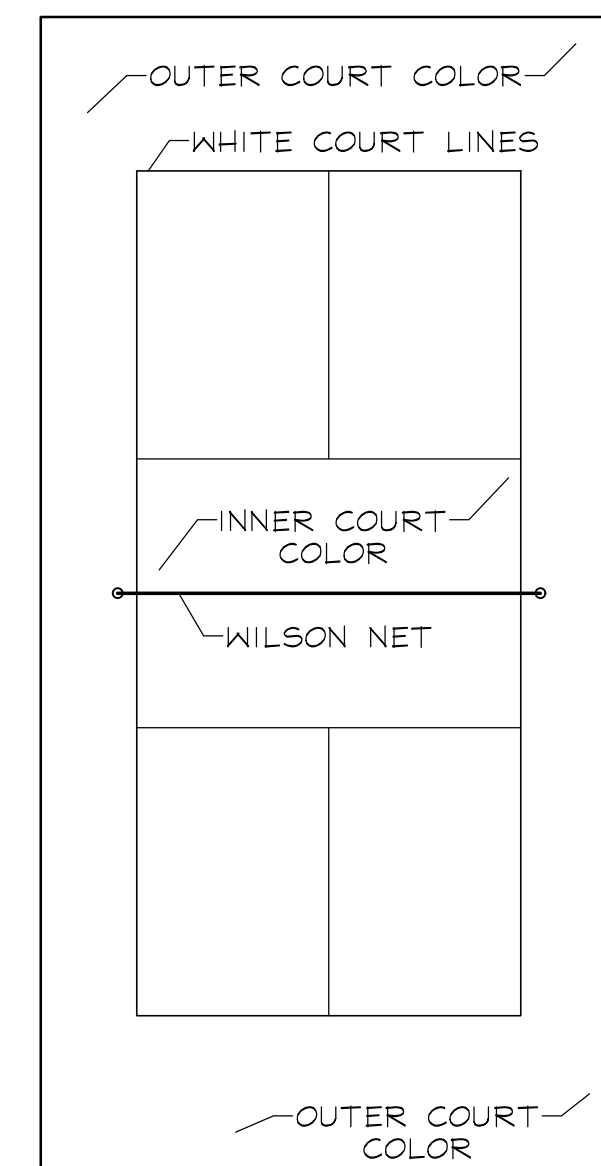
E
12 CONCRETE CURB DETAIL



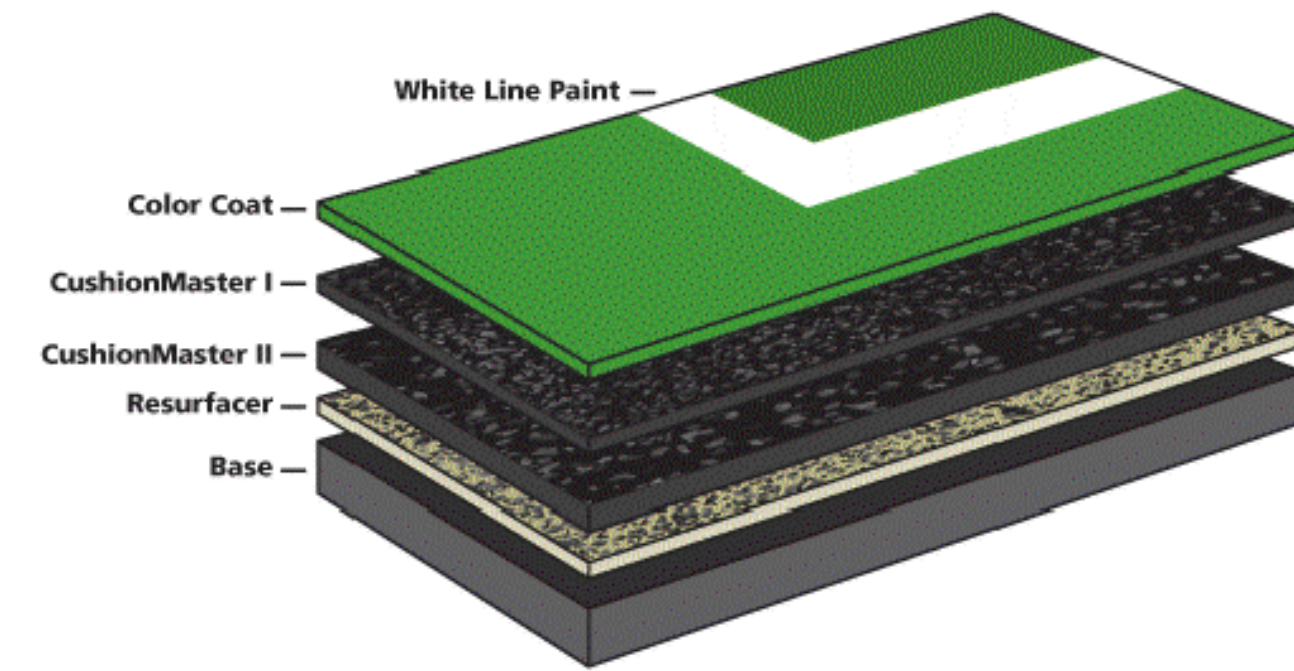
F
12 RAMP DETAIL



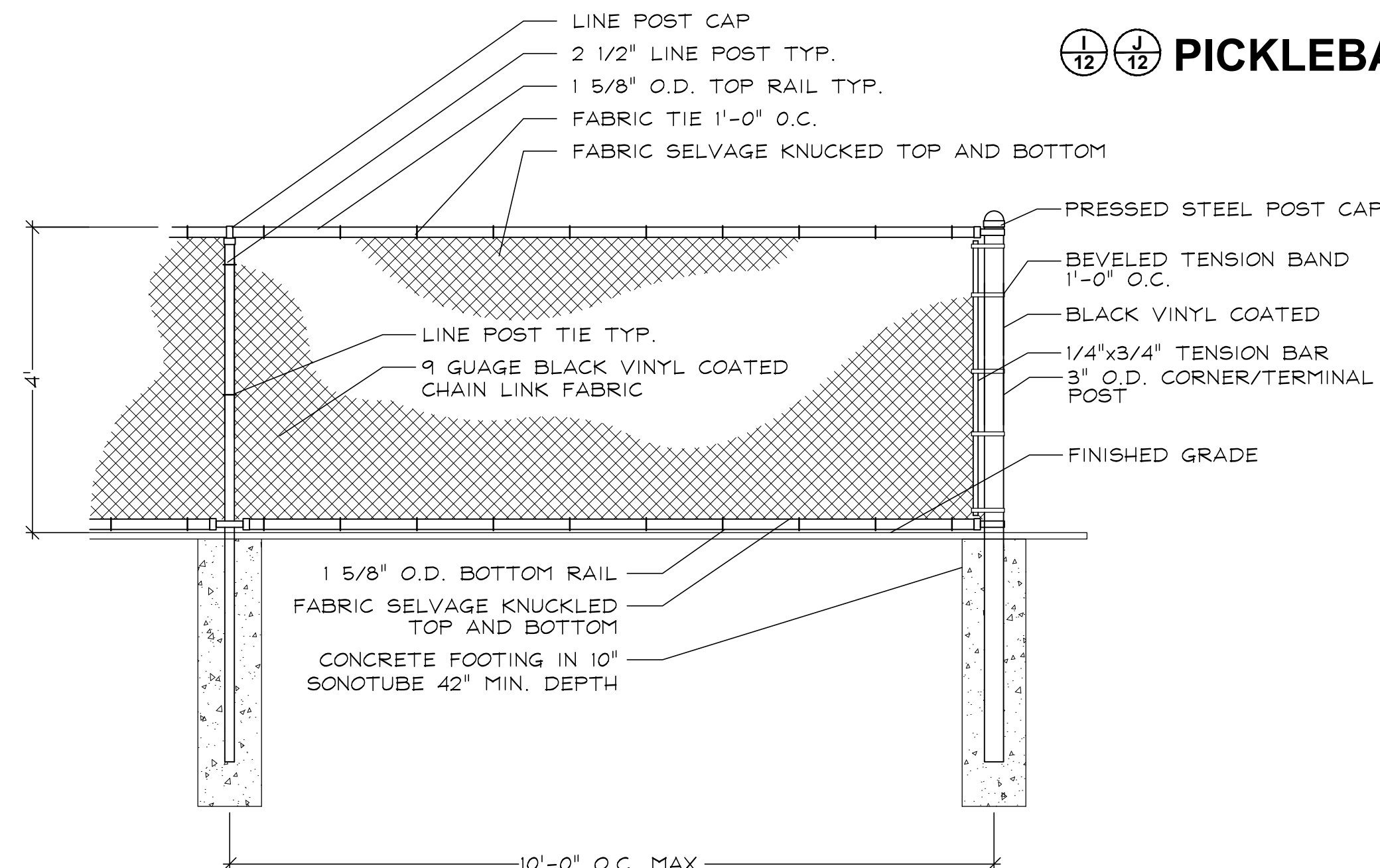
G
12 **H**
12 ENGINEERED WOOD FIBAR AND DRAIN



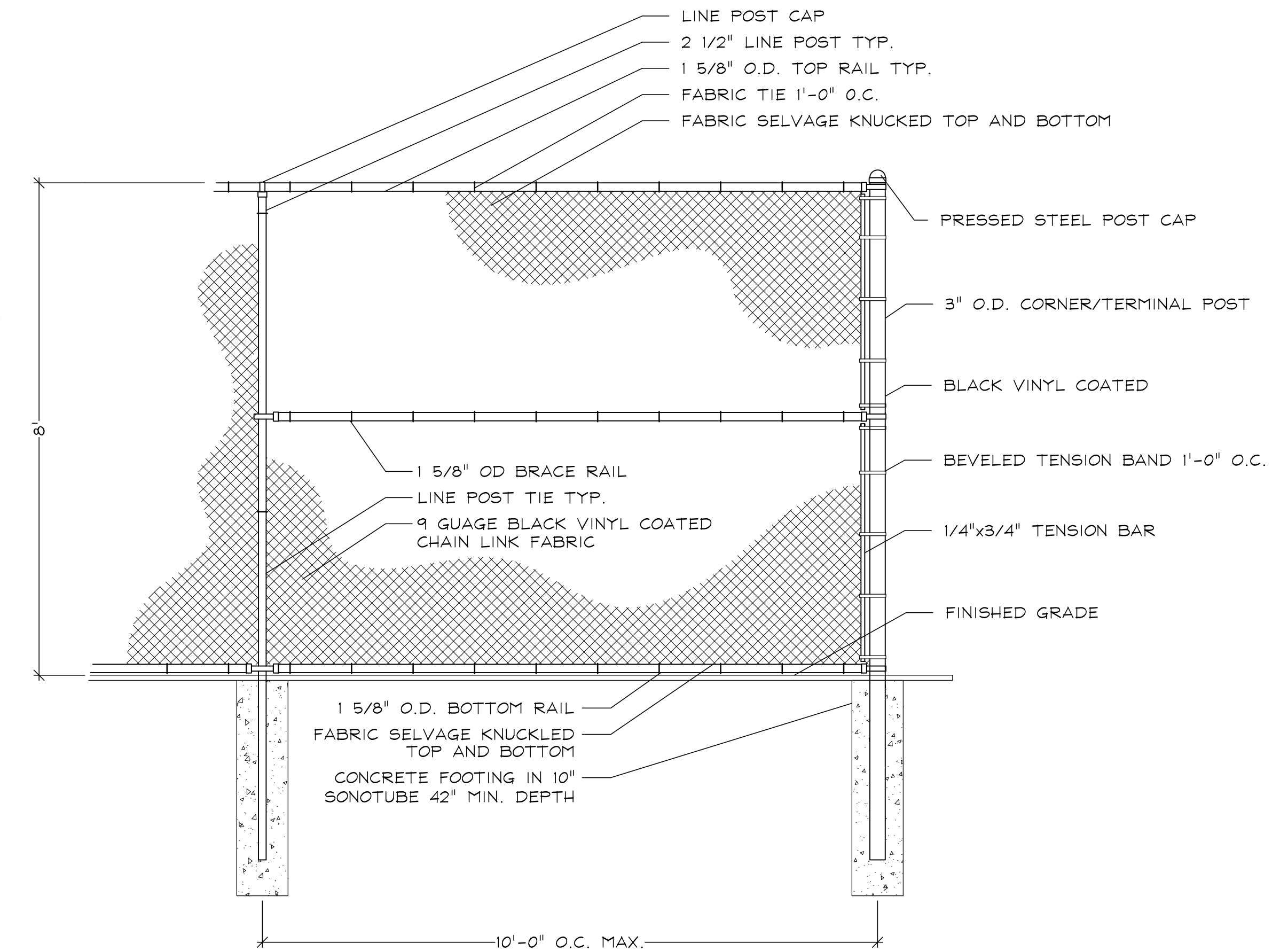
SPORTMASTER SPORT SURFACES
 STYLE: CUSHIONED
 INNER COURT COLOR: BLUE
 OUTER COURT COLOR: DARK GREEN
 BASE: 4" REINFORCED CONCRETE
 INSTALL PER MANUFACTURER'S SPECIFICATIONS



I
12 **J**
12 PICKLEBALL COURT AND NET



L
12 4' CHAIN LINK FENCE



K
12 8' CHAIN LINK FENCE



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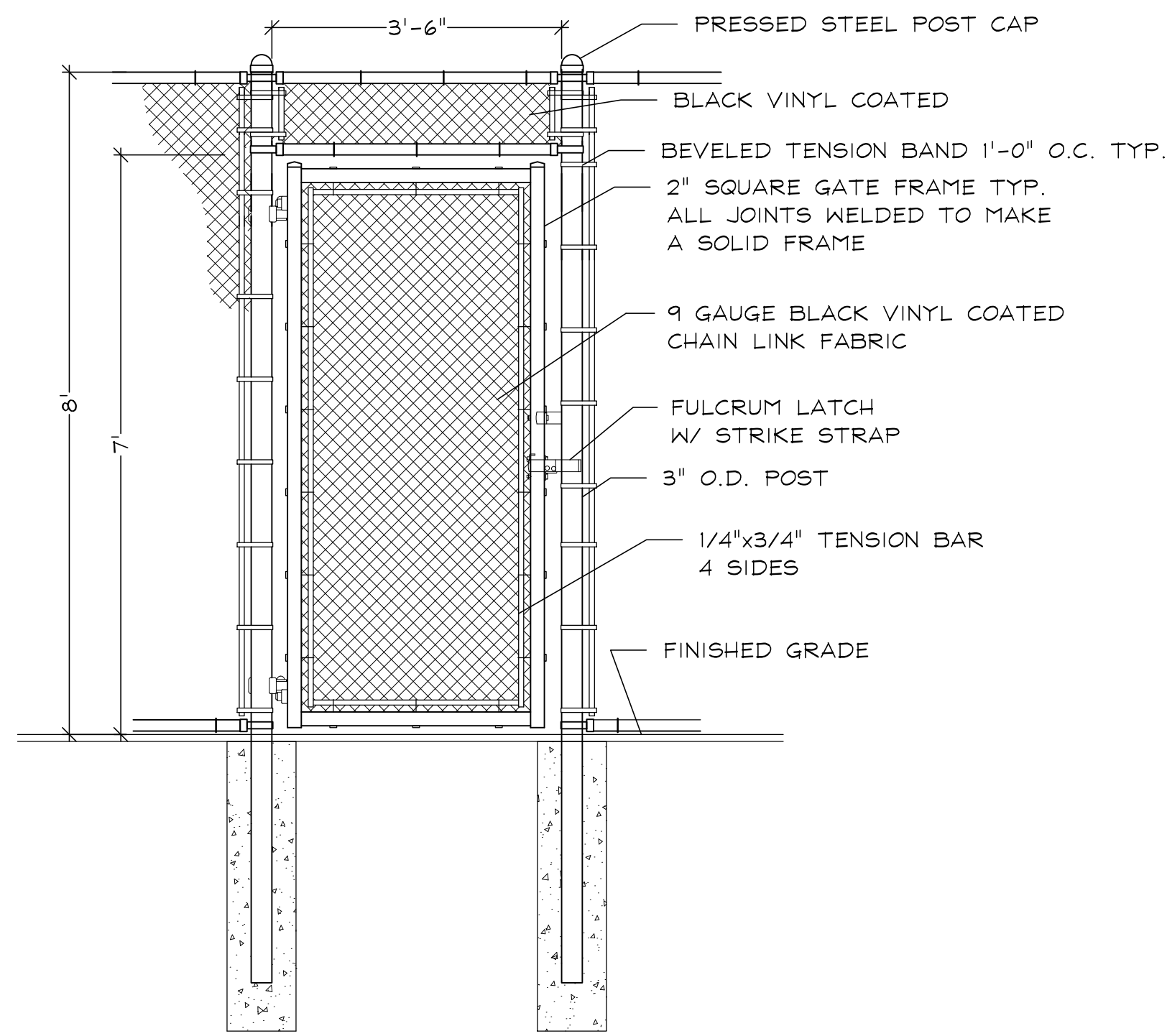


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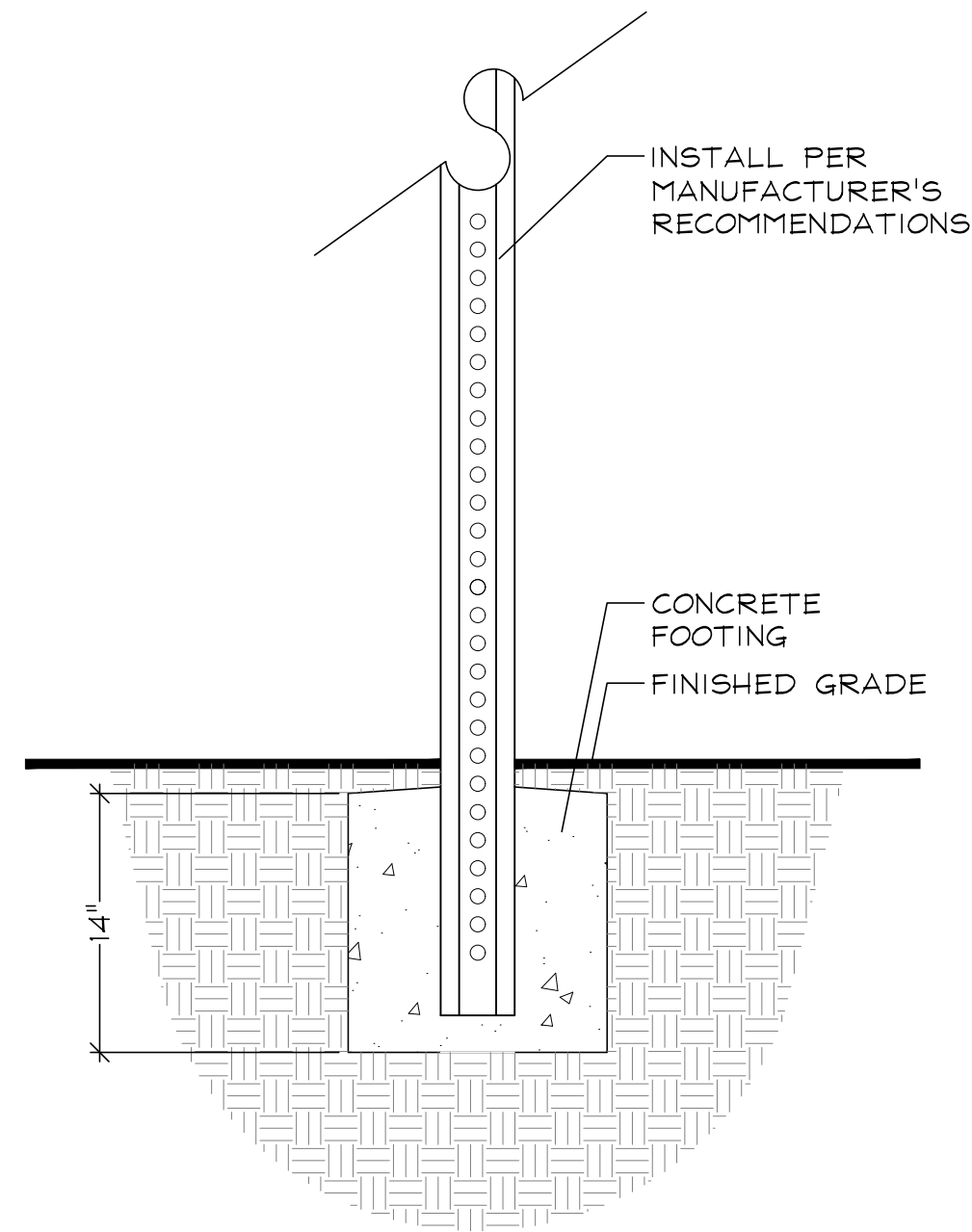
BO-MAR ESTATES
 PLAINFIELD, INDIANA
AMENITY DETAILS

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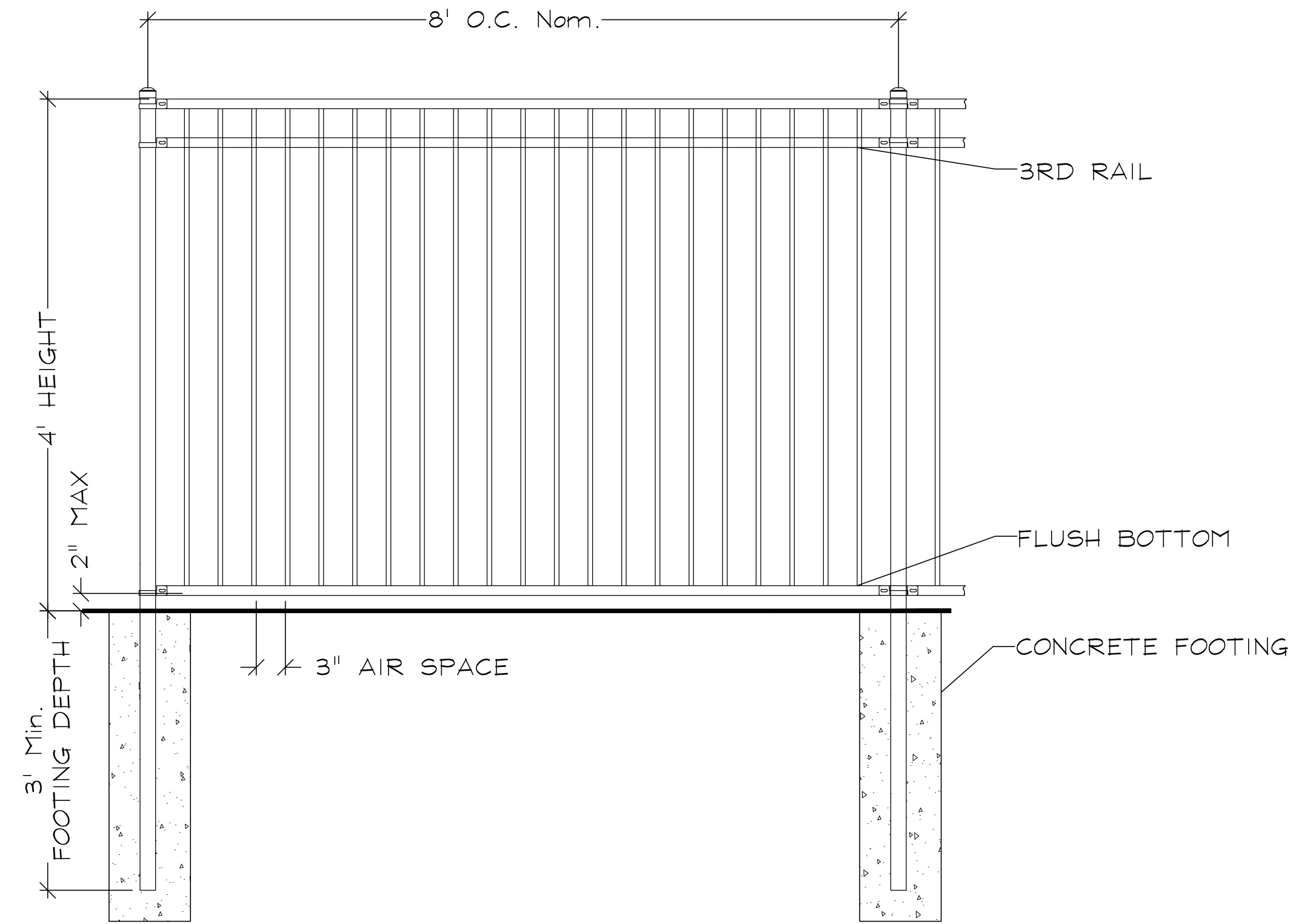
DATE	6.22.2022
PROJECT NO.	OLT2110
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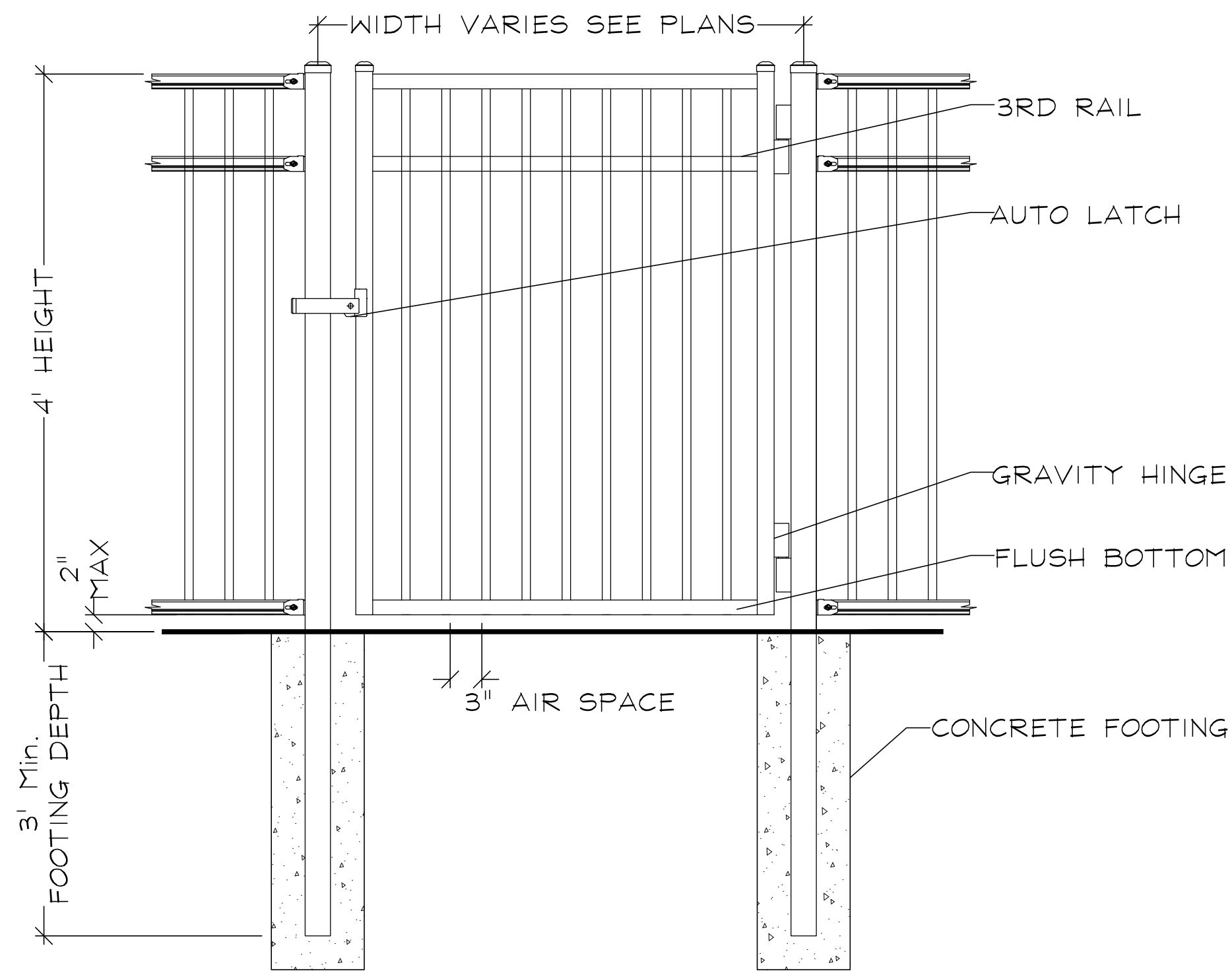
M 13 8' CHAIN LINK FENCE GATE



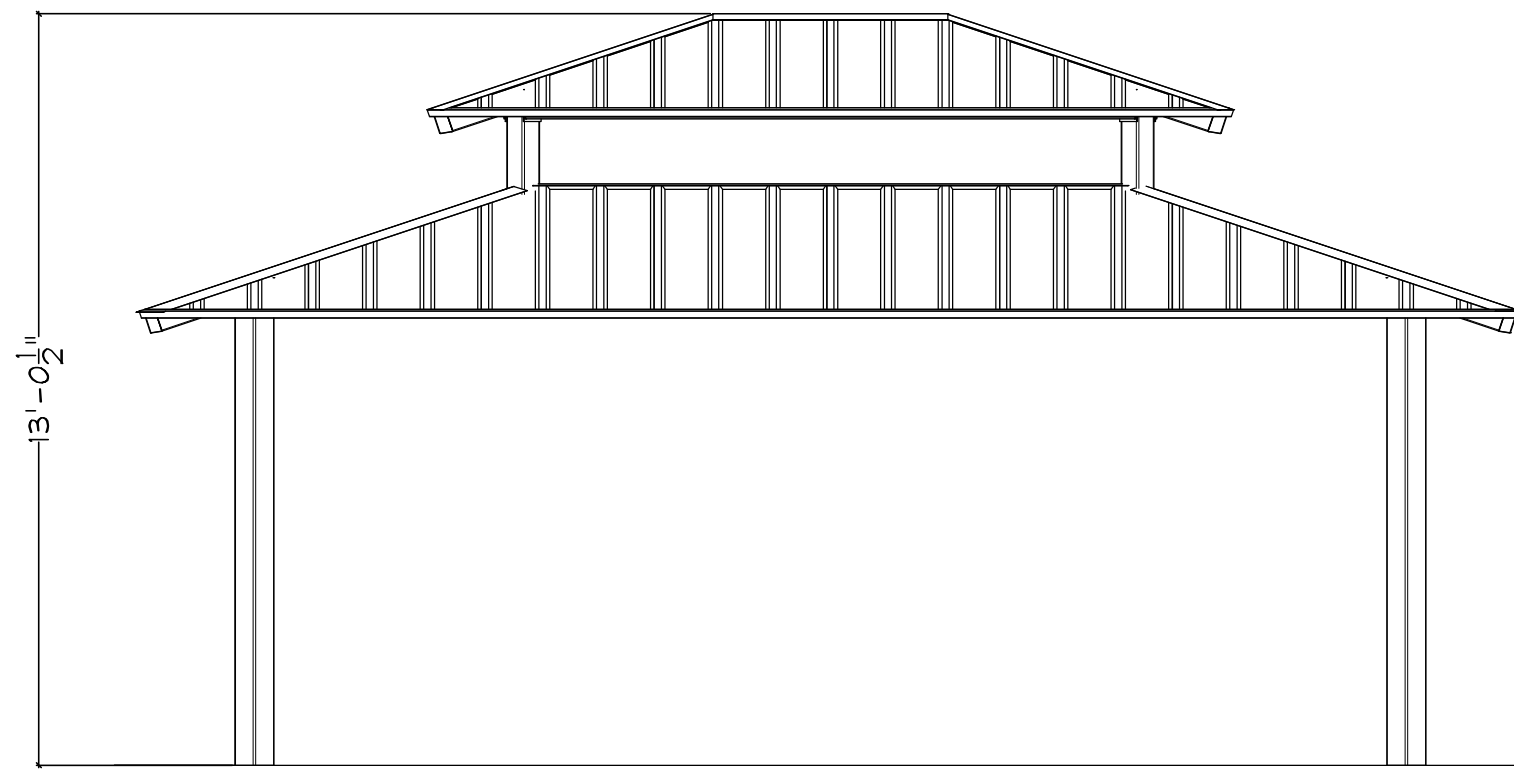
N 13 DOG WASTE STATION



O 13 4' ALUMINUM FENCE

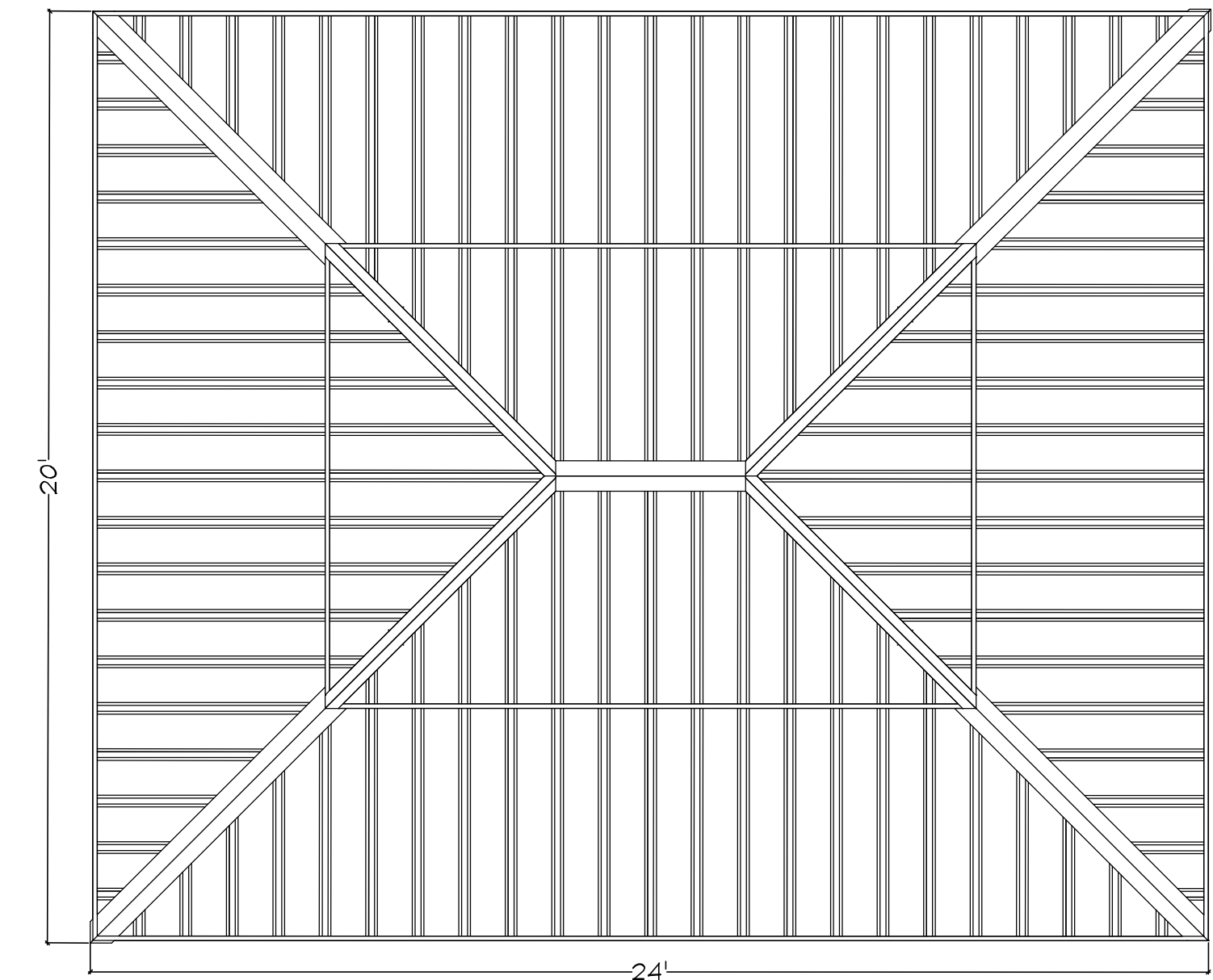


P 13 4' ALUMINUM FENCE GATE



POLYGON SHELTER
 MODEL: MAR 20X24
 ROOF TYPE: MULTI RIB
 MOUNTING: VARIES DEPENDING ON ENGINEERING REQUIREMENTS
 INSTALL PER MANUFACTURER'S SPECIFICATIONS

Q 13 SHELTER



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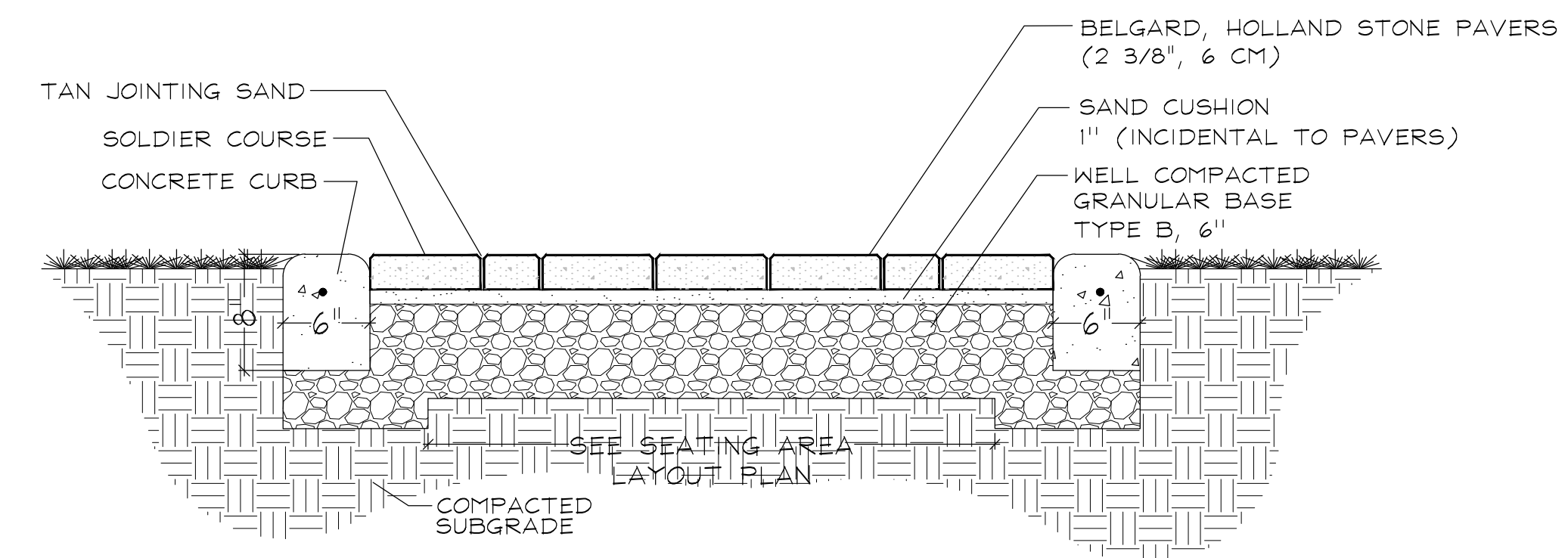
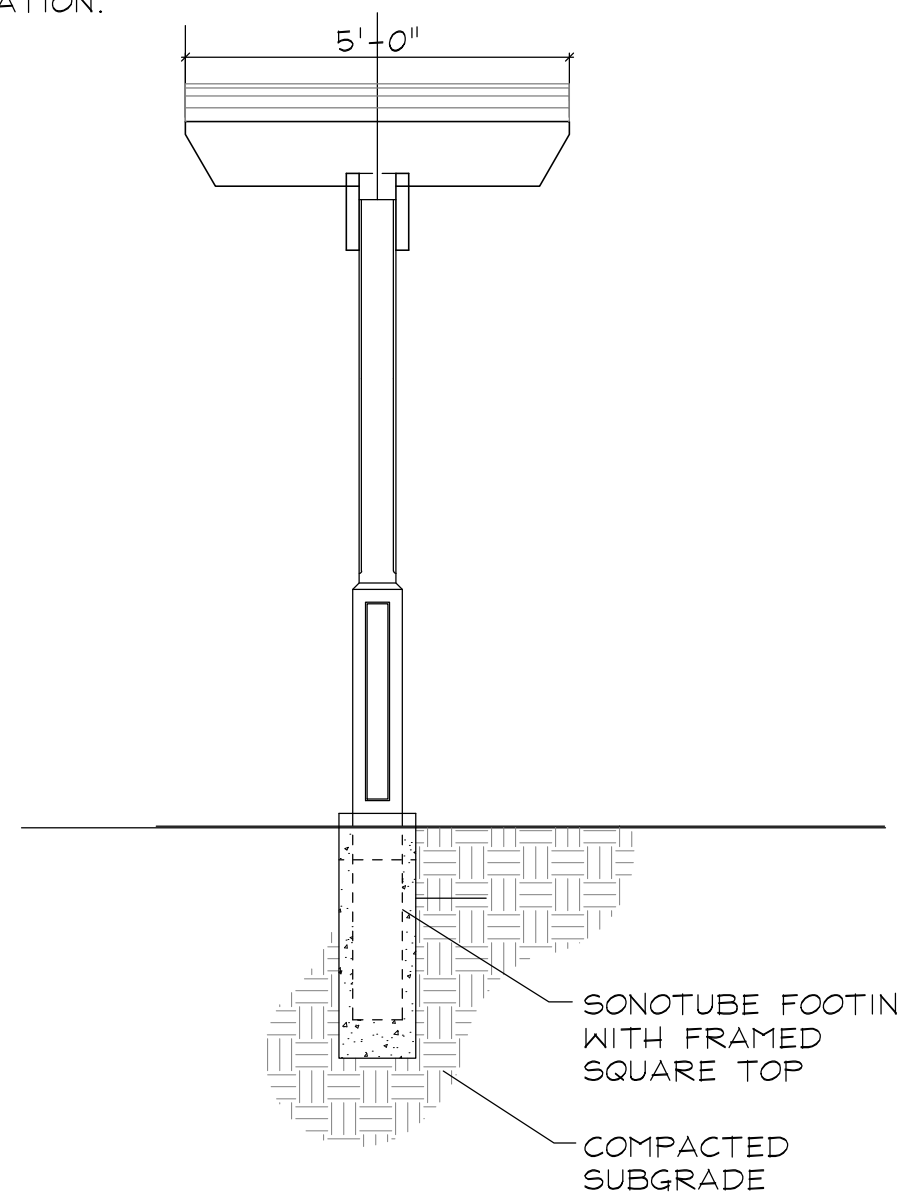
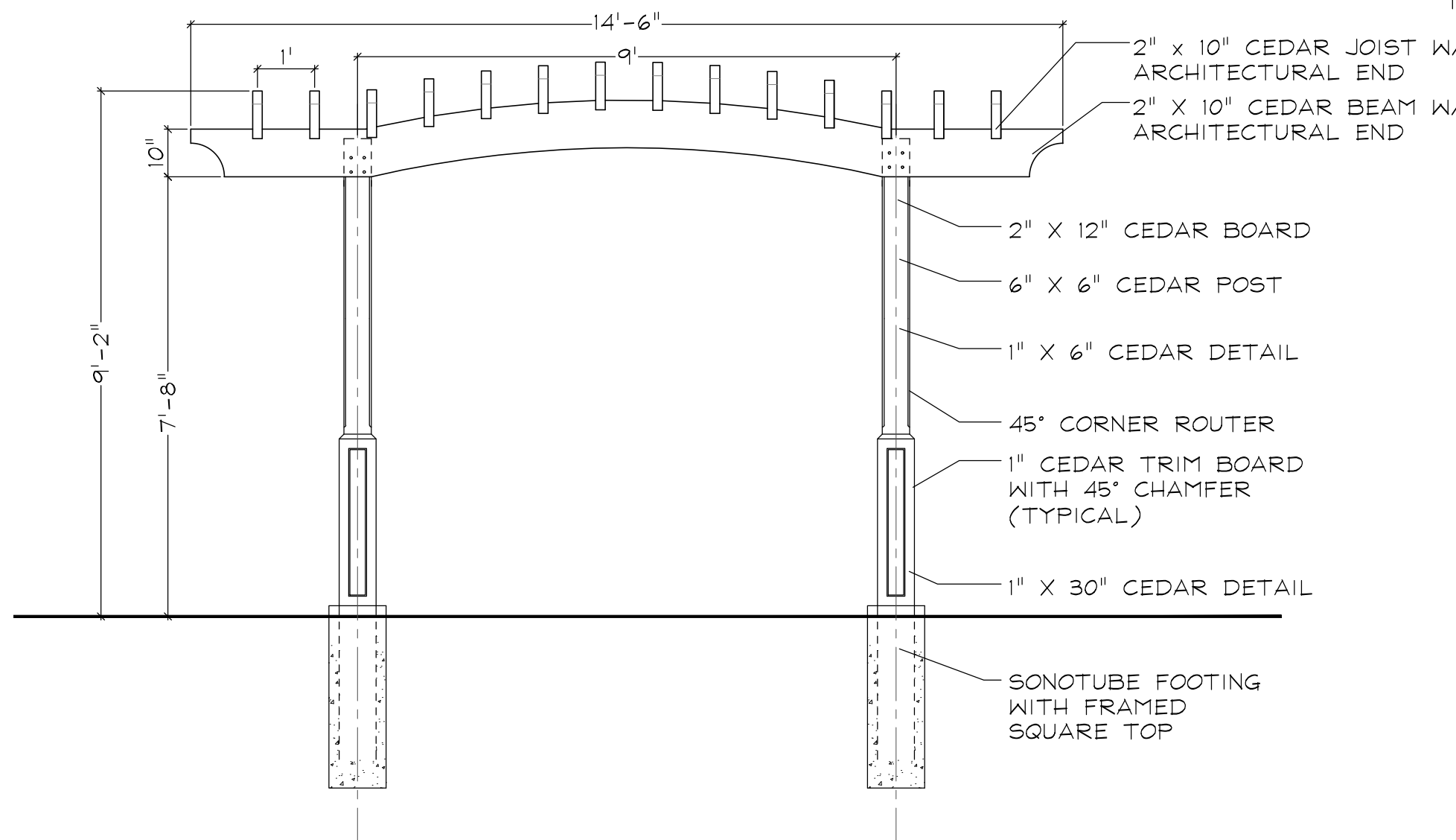


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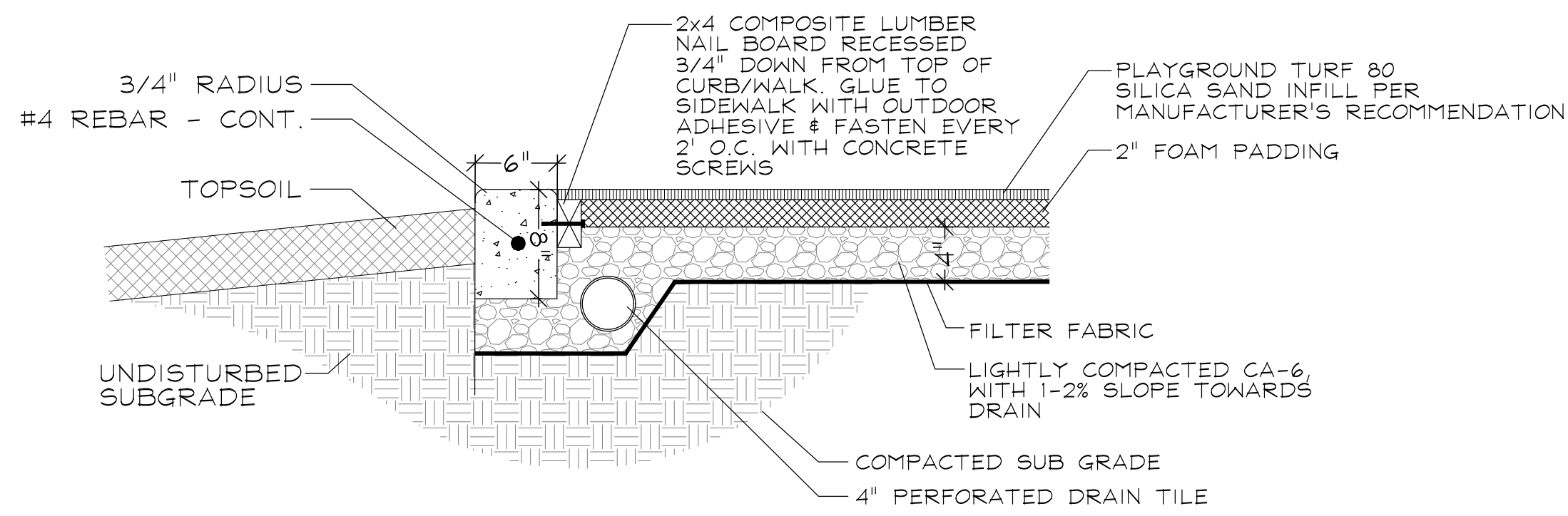
ENGINEER
BANNING ENGINEERING
853 COLUMBIA ROAD
PLAINFIELD, INDIANA 46168

- NOTES:
1. CONTRACTOR SHALL SUBMIT MATERIAL SAMPLES TO LANDSCAPE ARCHITECT AND OWNER FOR REVIEW PRIOR TO CONSTRUCTION.
 2. ATTACH STRUCTURE WITH APPROVED GALVANIZED ZINC COATED MOUNTING BRACKETS
 3. PERGOLAS TO BE STAINED 1 YEAR FOLLOWING INSTALLATION.



R 14 PERGOLA

S 14 PAVERS



T 14 PUTTING TURF

BO-MAR ESTATES
PLAINFIELD, INDIANA
AMENITY DETAILS

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PROJECT NO. OLT2110
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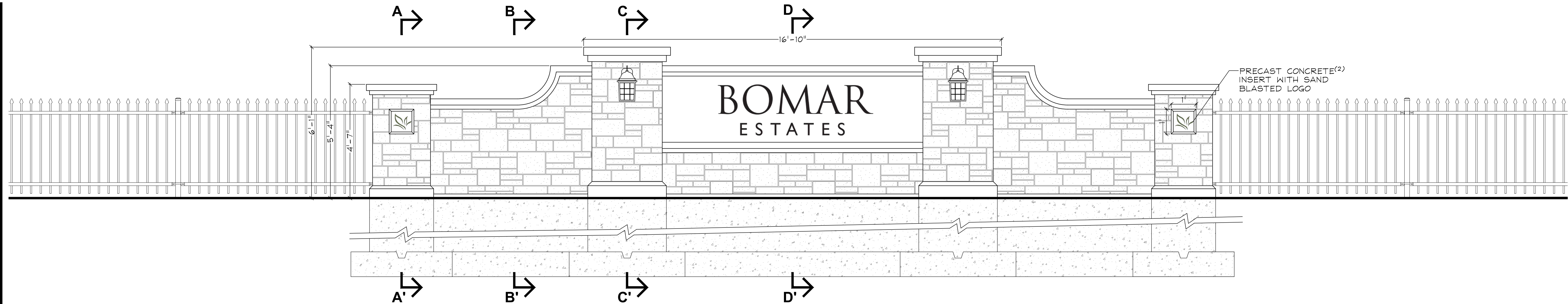
NOT DIM'G



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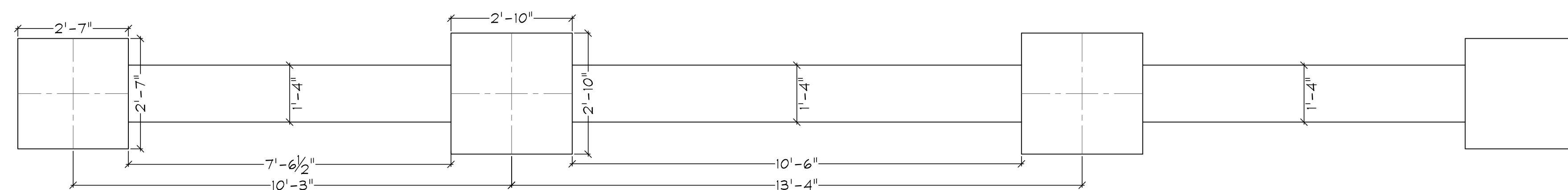


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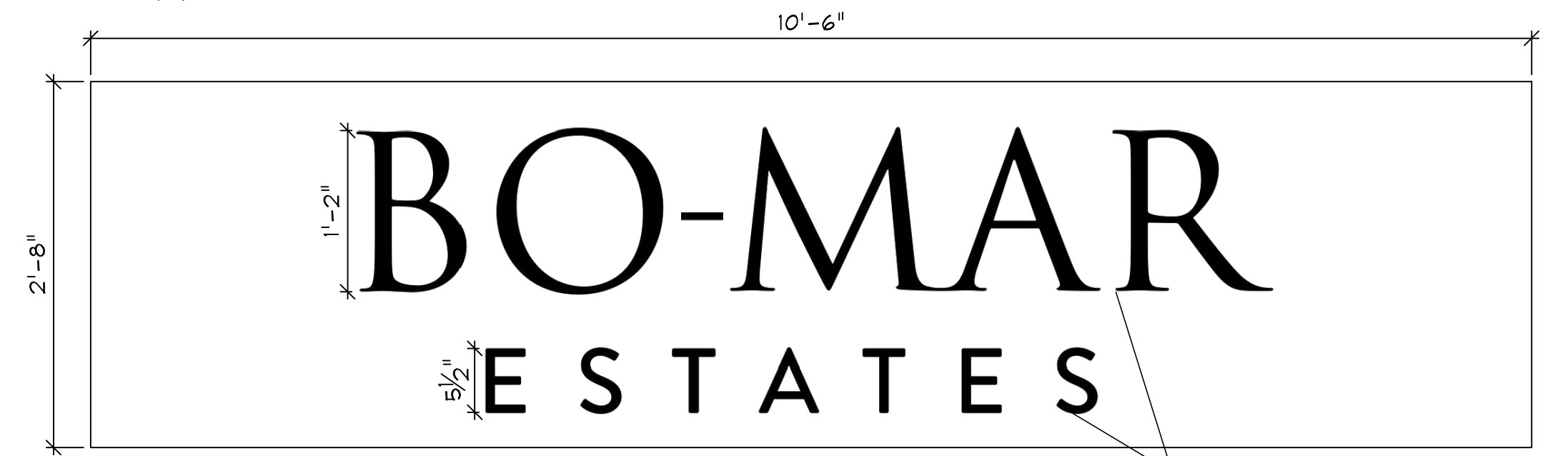


MONUMENT FRONT ELEVATION
SCALE: 1/2"=1'-0"

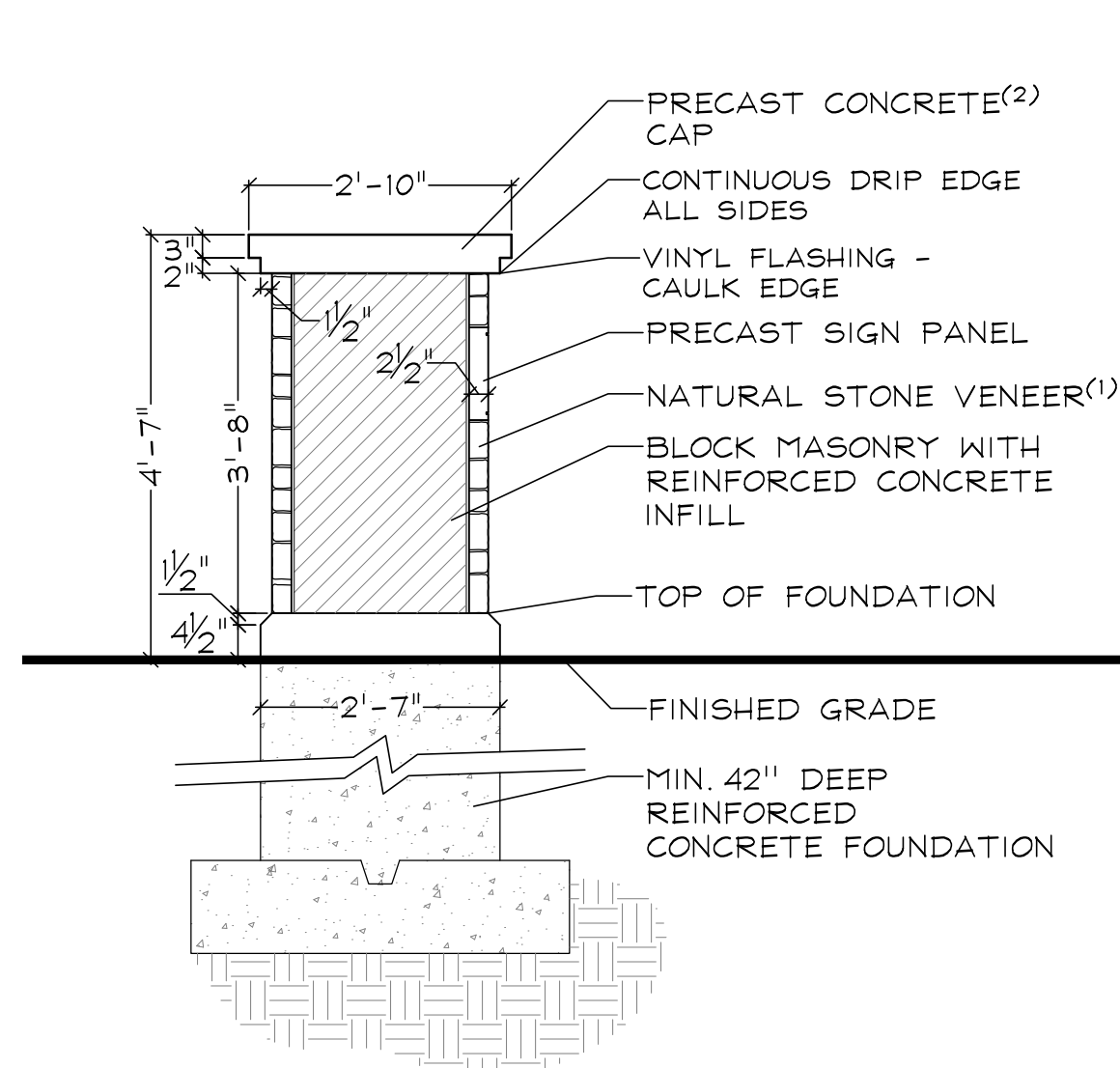
- (1) NATURAL STONE VENEER:
X
SUBMIT SAMPLES TO DEVELOPER FOR APPROVAL
- (2) PRE-CAST CONCRETE COLOR: NATURAL
SUBMIT SAMPLES TO DEVELOPER FOR APPROVAL
- (3) SIGN LETTERING FONT: TRAJAN PRO



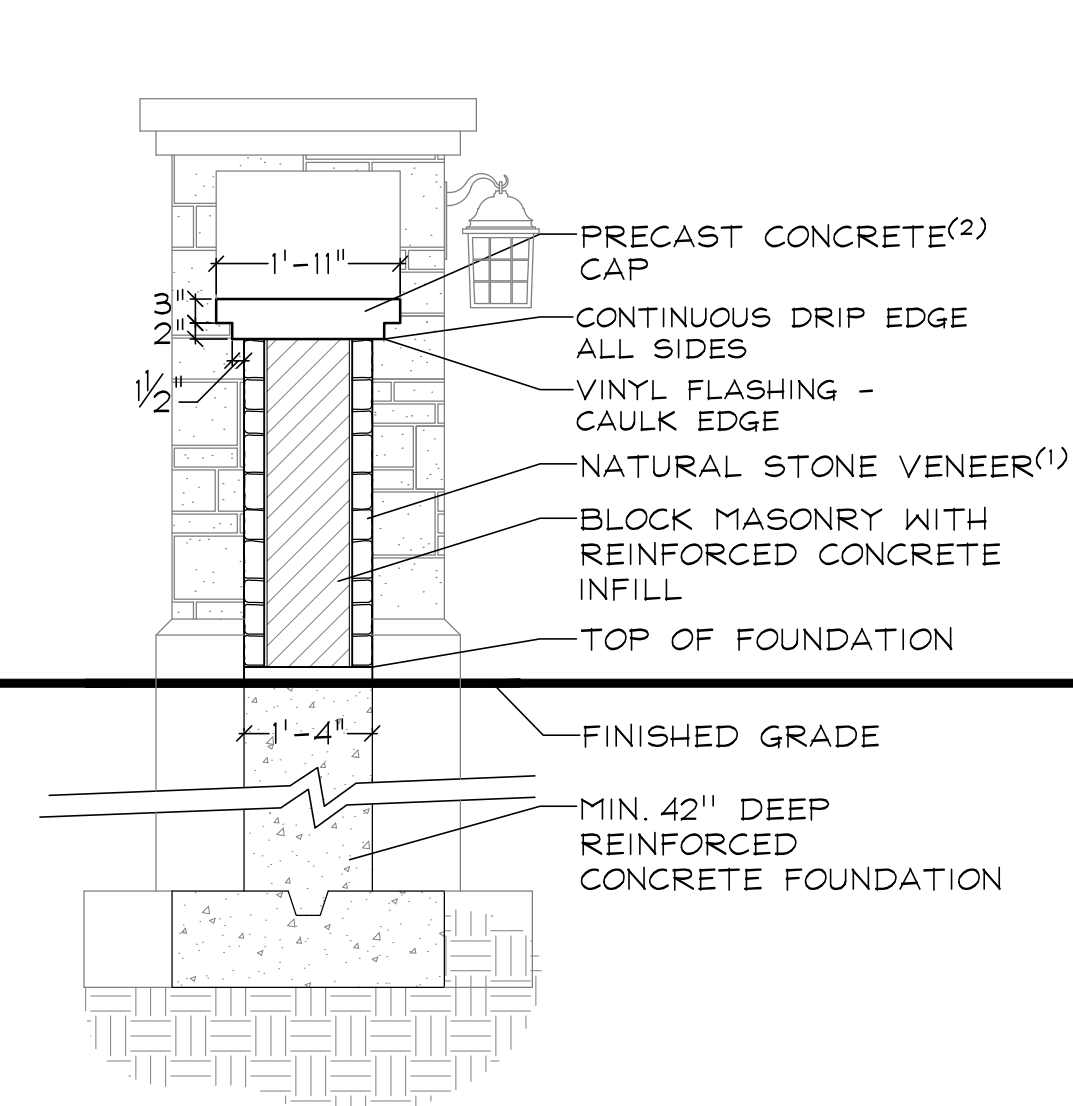
MONUMENT PLAN VIEW
SCALE: 1/2"=1'-0"



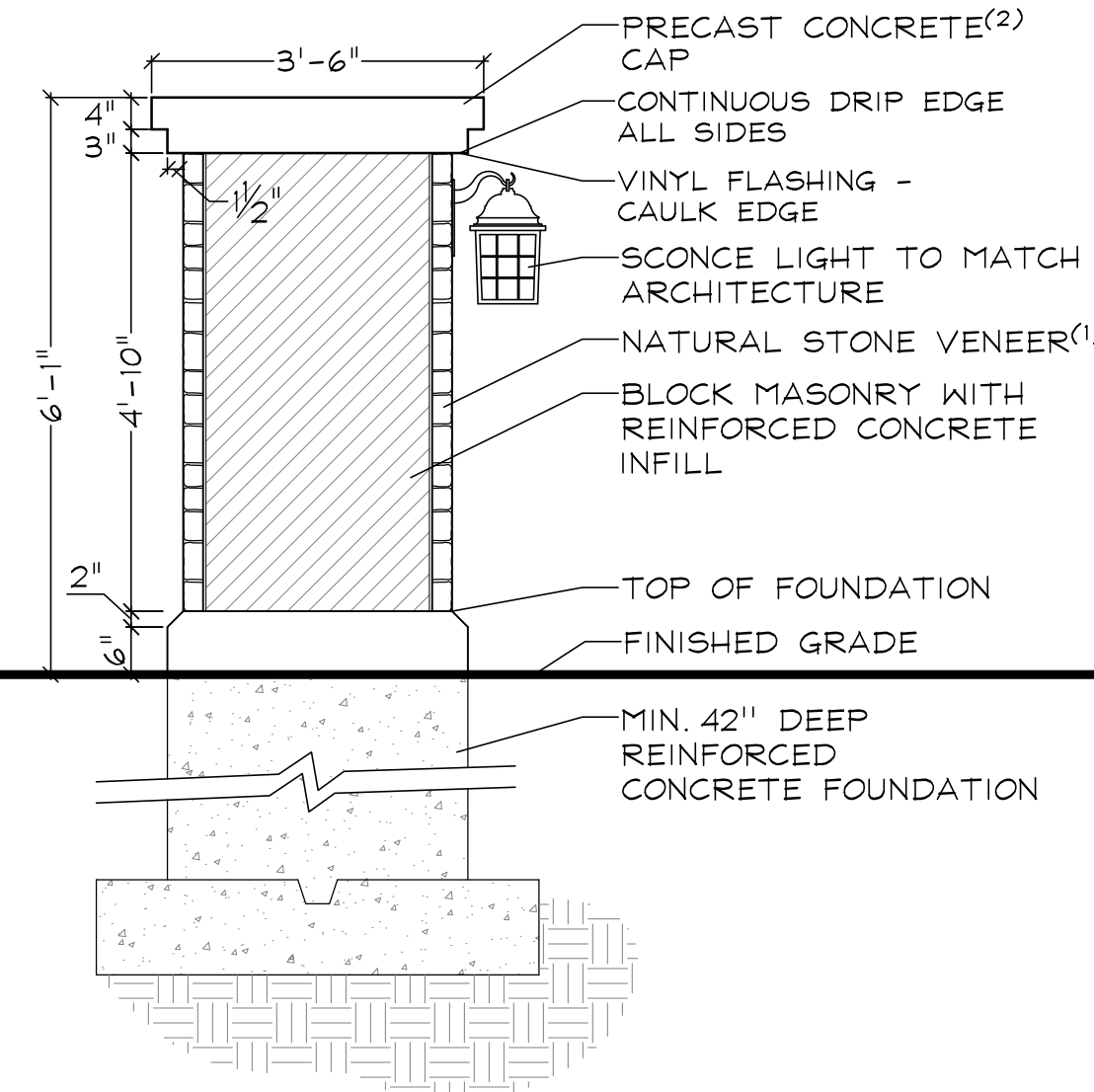
SIGN PANEL DETAILS
SCALE: 1"=1'-0"



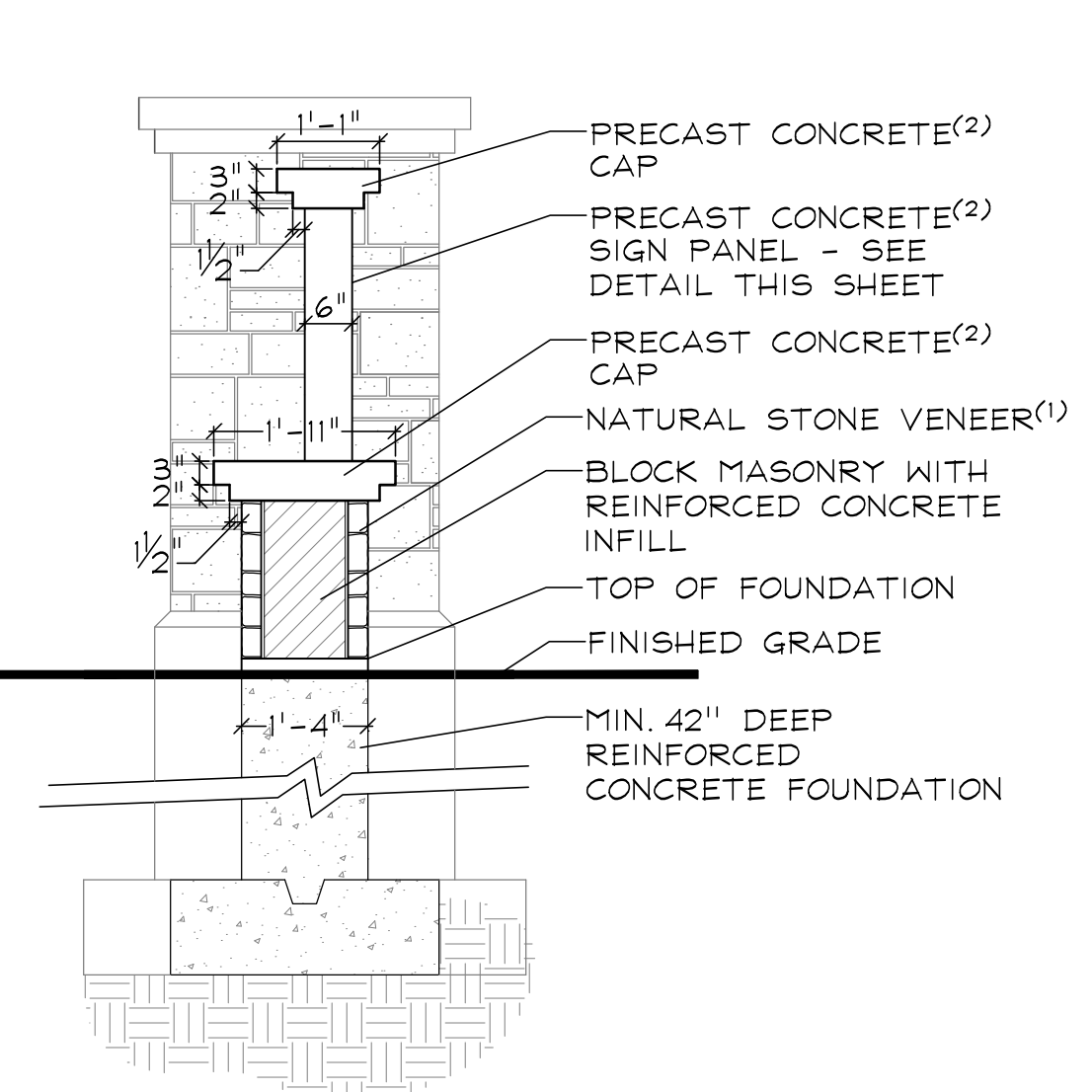
SECTION A-A'
MONUMENT SECTIONS
SCALE: 1/2"=1'-0"



SECTION B-B'



SECTION C-C'



SECTION D-D'

BO-MAR ESTATES
PLAINFIELD, INDIANA
MONUMENT DETAILS

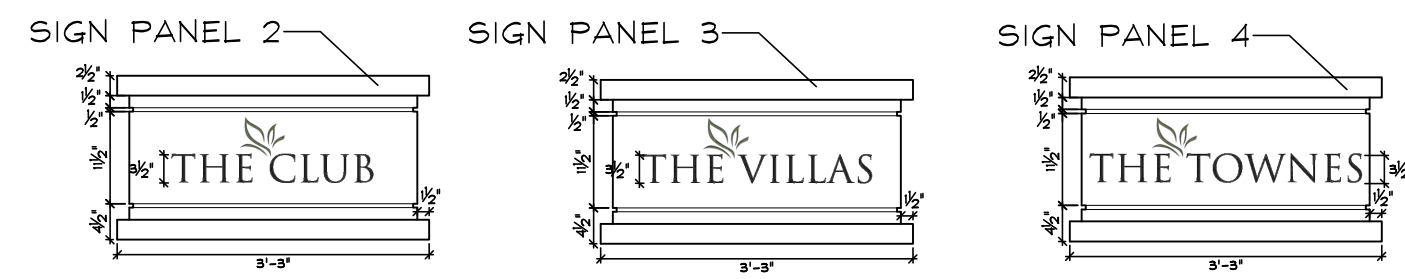
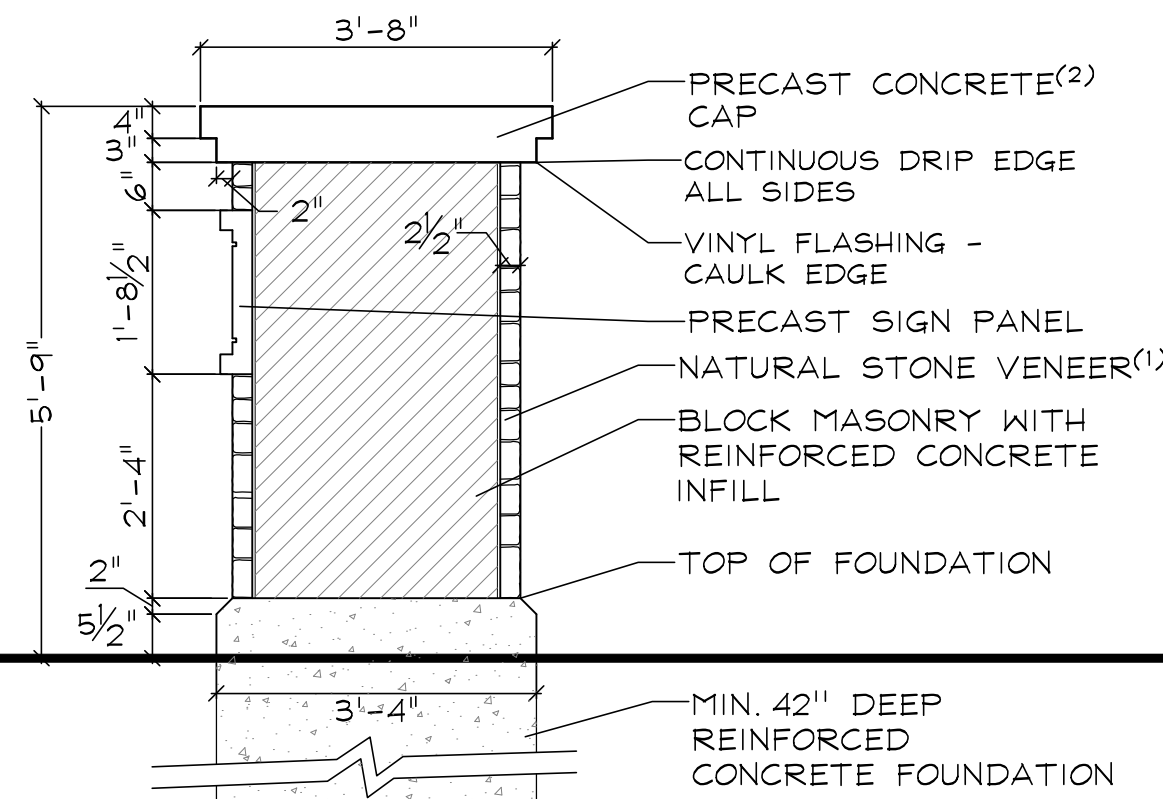
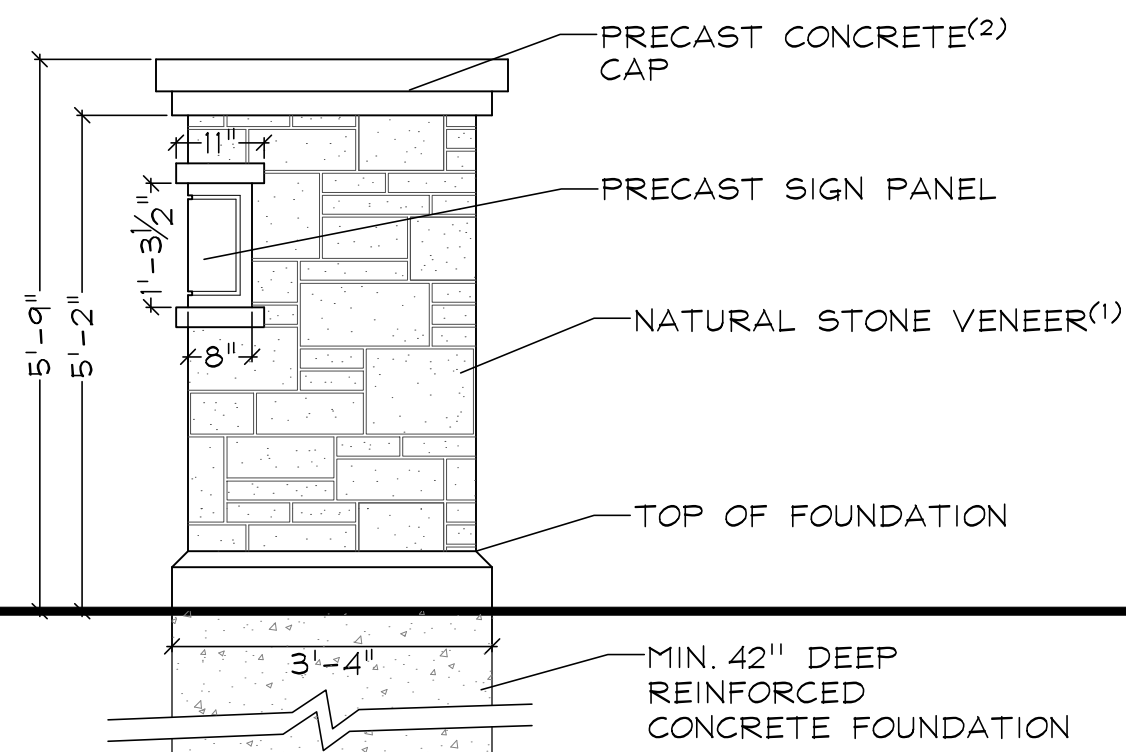
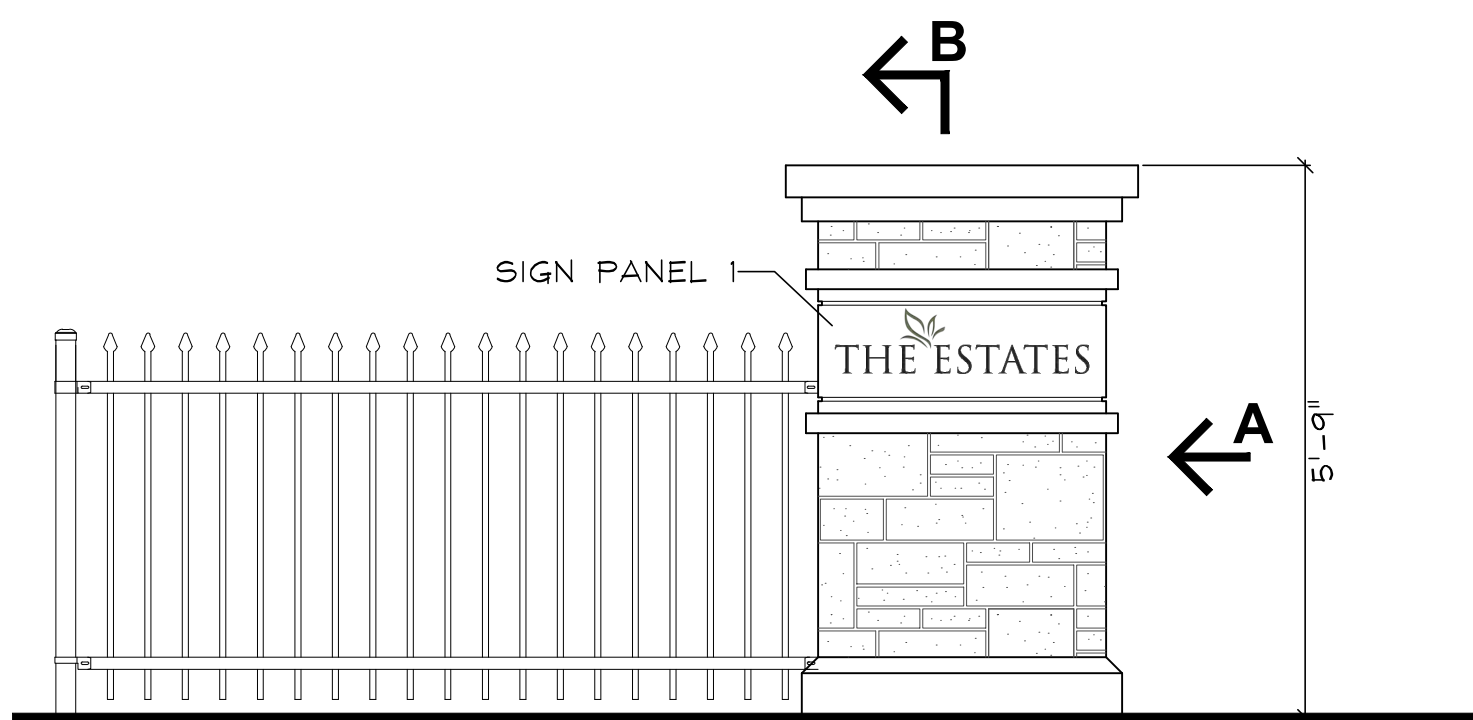
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15 OF 17

DATE PLOTTED: 7/11/2022 10:58:11 AM

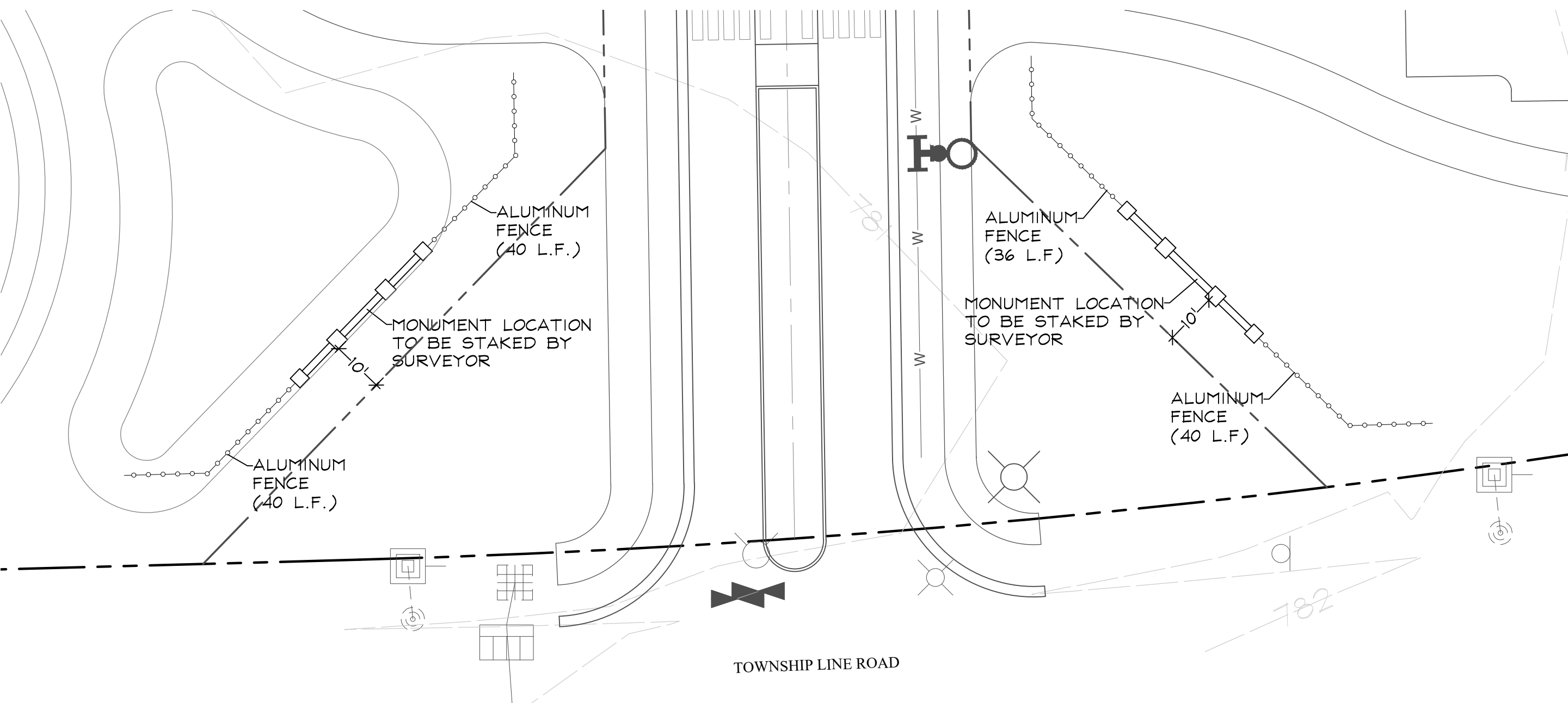


ELEVATION

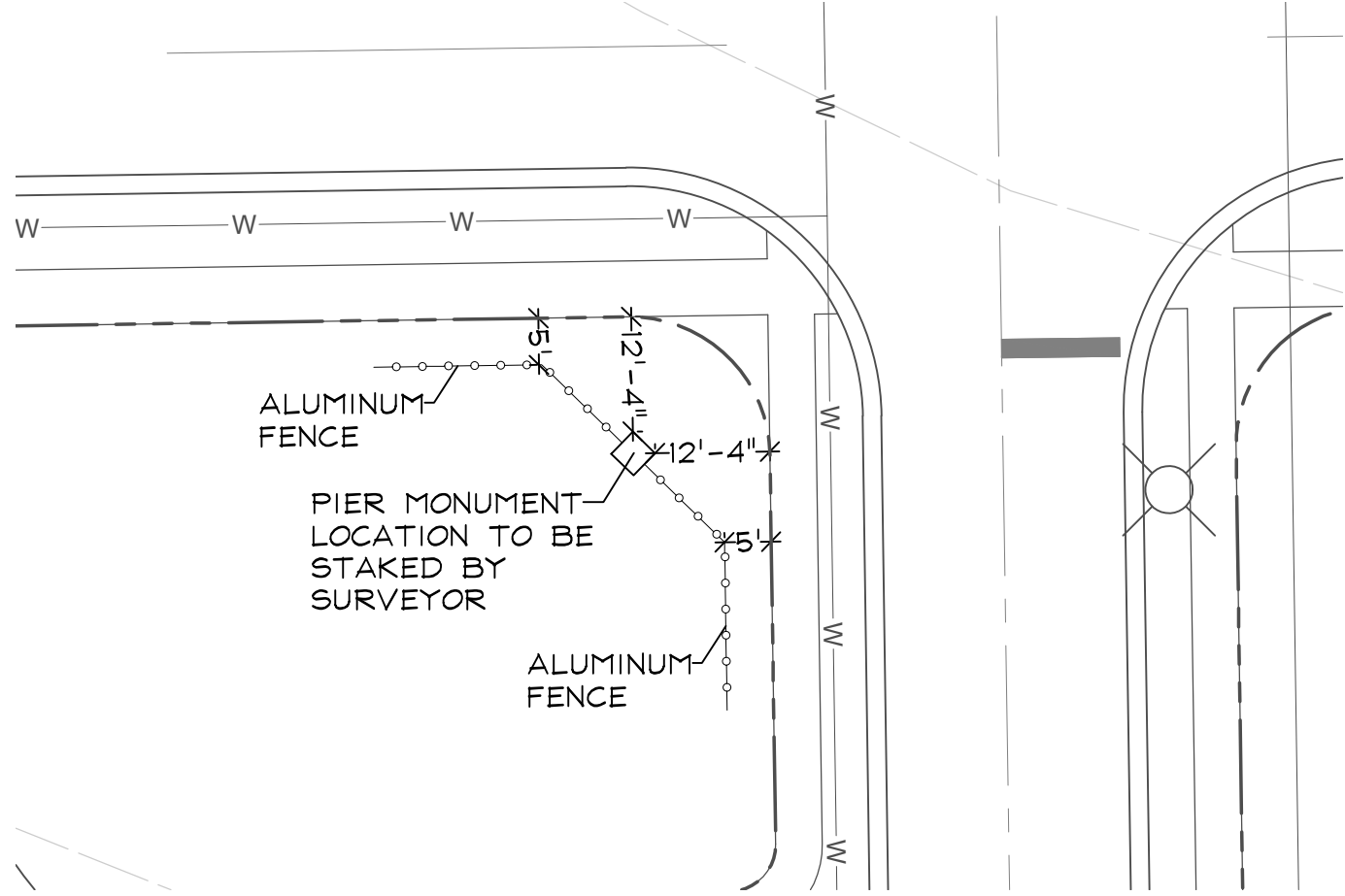
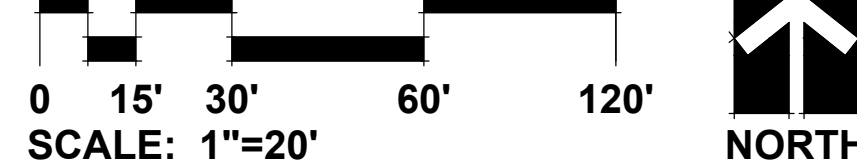
MONUMENT PIERS
SCALE: 1/2"=1'-0"

ELEVATION A

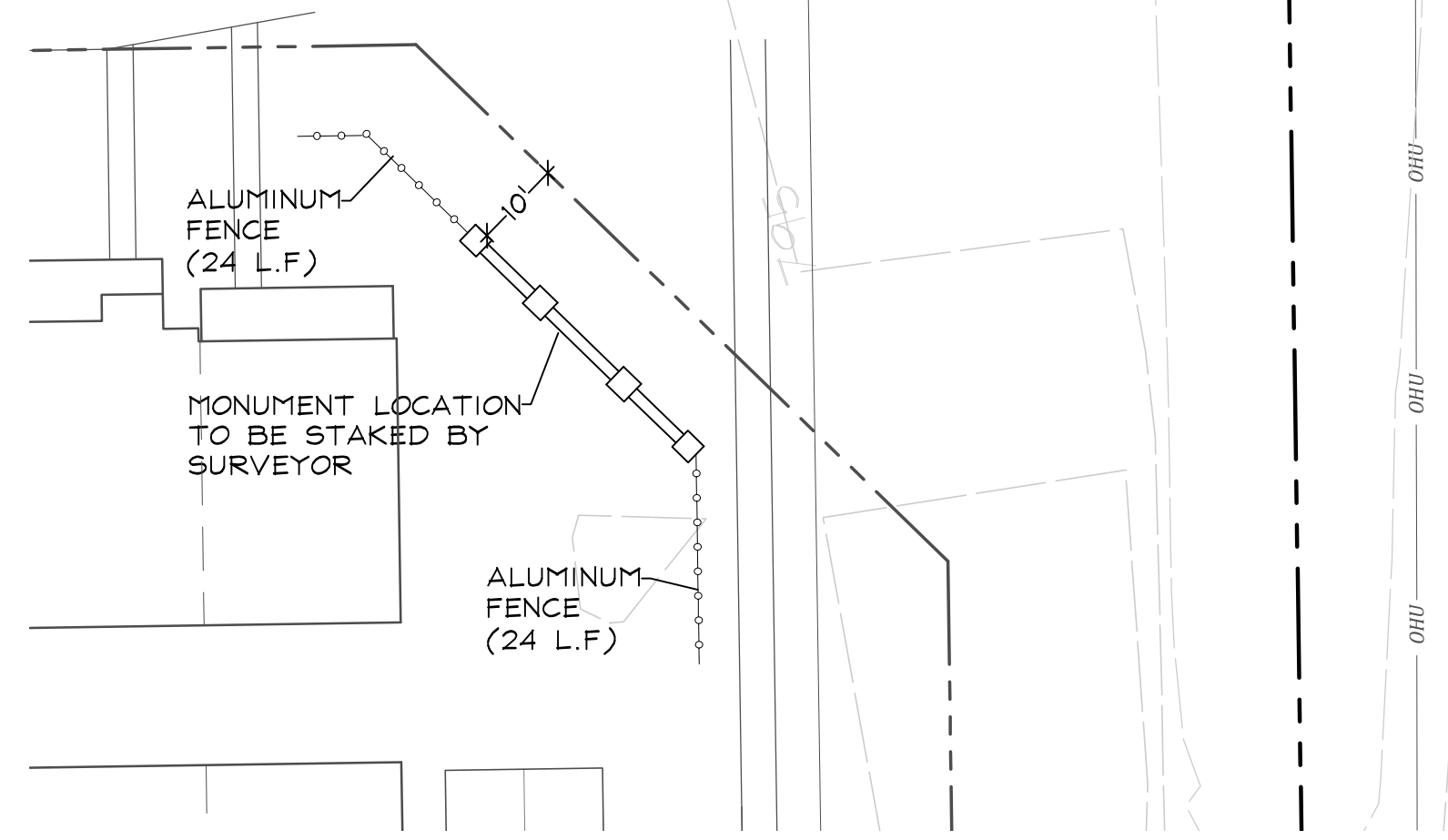
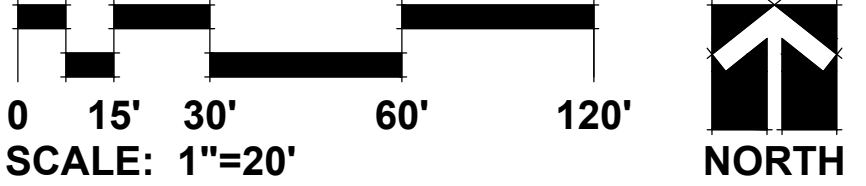
SECTION B-B'



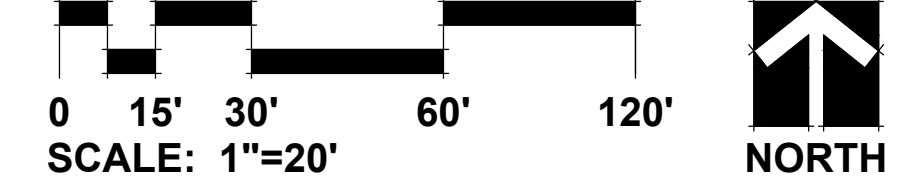
SOUTH MONUMENT LAYOUT PLAN



TYPICAL MONUMENT PIER LAYOUT PLAN



NORTH MONUMENT LAYOUT PLAN



ENTRANCE MONUMENT SPECIFICATIONS

- 1.0 DESCRIPTION OF WORK**
- The work consists of all labor, materials, work and equipment necessary and required to complete monuments, fence and foundations as shown on drawings or specified herein, including, but not limited to:
 - Submission of color and material samples
 - Submission of shop drawings
 - Submission of construction schedule
 - Verification of existing conditions and underground utilities
 - Secure and pay for all permits, fees, inspections and schedule all inspections related to work, including J.U.L.I.E. locales.
 - Comply with all applicable codes
- 2.0 QUALITY ASSURANCE**
- Construction shall conform to @Building Code Requirements for Engineered Brick Masonry," BIA, latest edition.
 - All brick and stone shall be finest architectural grade free of cracks, chips, defects, etc.
 - Installation shall be by a company continuously and regularly employed in the installation of brick and stone monuments for a period of at least 5 consecutive years.
 - No masonry shall be laid when the temperature is expected to fall below 40 degrees F, unless suitable means, submitted in writing to the owner, are provided to heat materials and protect the work. Protect work from cold and frost and insure that mortar will harden without freezing. No additives shall be used, unless approved in writing by the owner.
 - All corners of monuments and piers are to be staked by engineer and verified by the contractor.
- 3.0 JOB CONDITIONS**
- Examine and evaluate grades, and soils. Provide soil testing and verify soils structural integrity. Observe the conditions under which work is to be performed and notify the owner of unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected in an acceptable manner.
 - Utilities: Review underground utility location maps and plans; Notify J.U.L.I.E.; demonstrate an awareness of utility locations; and certify acceptance of liability for the protection of utilities during course of work. Contractor shall be responsible for any damage to utilities or property.
 - All streets and curbs must be cleaned at the end of each working day.
 - All OSHA requirements for safety must be adhered to at all times.
- 4.0 GUARANTEES**
- Guarantee monuments 1 year from final acceptance on owner's representative on workmanship and materials.
 - Where failures have occurred resulting from the concrete not meeting the specified design strength, or workmanship, it shall be the responsibility of the subcontractors in connection with the supplier to take whatever corrective actions are necessary to eliminate the problem. In addition, it shall be their responsibility to make restitution for their resulting repair work created by the problem.
- 5.0 SUBMITTALS**
- Construction Schedule: After award of the Contract, the Contractor shall prepare and submit to the owner or an owner authorized representative an estimated construction progress schedule for the work, including sub-schedules of related activities which are essential to its progress, as well as lead-time for materials.
 - Product Samples: Submit samples of stone, architectural pre-cast, mortars and sealants, slate, light fixtures, tile, and ornamental fencing for the owner's design conformance review prior to delivery to site.
 - Product Data: Submit product data for stone, limestone, architectural pre-cast, mortars and joint sealants, slate, tile, and ornamental fencing.
 - Provide certificate of insurance per the owner's requirements.
 - Provide names and contact information for any subcontractors and suppliers.
 - Shop Drawings:
 - Prepare and submit to the Owner's Representative for design conformance review complete cutting and setting drawings for all masonry work:
 - Submit one (1) set prints with following items in detail:
 - Sizes
 - Sections
 - Dimensions and numbering of stone and brick.
 - Arrangements of joints and bond.
 - Show jointing as indicated on the contract drawings, unless modification is reviewed for design conformance by Owner's Representative prior to preparation of shop drawings.
 - Establish jointing in accordance with industry standards and practices where not indicated on contract drawings.

- 6.0 PRODUCT DELIVERY, STORAGE, AND HANDLING**
- Loading and Shipment:
 - Pack carefully for transportation, with exercise of all customary and reasonable precautions against damage in transit, all brick, and limestone to be used for the work.
 - Load and ship all brick and cut stone in a sequence mutually agreed upon by the General Contractor and the material supplier.
 - Unloading and Storage:
 - Receive and unload at site all brick and stone with necessary care in handling to avoid damage or soiling.
 - Store brick and stone clear of ground on non-staining skids. Wood containing tannin, chemical treatment, or excessive amounts of resin shall not be used.
 - Cover brick and stone with waterproof, clean canvas, or polyethylene for protection from construction or natural elements.
- 7.0 INSTALLATION**
- Mortar:
 - Cement: white, non-staining masonry cement, conforming to ASTM-C91.
 - Sand: Clean, sharp, and washed, capable of passing a No. 16 sieve, and in conformance with ASTM-C144. Carefully select sand for use in pointing mortar for color to match limestone. For pointing mortar, select a white sand.
 - Lime: Hydrated, conforming to ASTM-C207, Type S.
 - Water: Clear, non-alkaline, potable and free of oils, salts, and other harmful elements.
 - Foundation: Concrete mix air entrainment, compressive strength at twenty-eight (28) days, and slump are to be designed and specified by the contractor's structural engineer.
 - Mortar Beds:
 - Lay brick with full mortar coverage on horizontal and vertical joints in all courses.
 - Provide sufficient mortar on ends of brick to completely fill head joints.
 - Rock closure into place with head joints thrown against two adjacent bricks in place.
 - Mortar Joints: Horizontal and vertical face joints:
 - Nominal thickness: 3/8 inch.
 - Construct uniform joints.
 - Shove vertical joints tight.
- 8.0 CLEAN UP AND PROTECTION**
- All material shall be washed with fiber brushes, soap powder, and clean water or Owner reviewed mechanical cleaning process.
 - Sand blasting, wire brushes, or acids shall not be used. Exceptions may be considered if reviewed by the Owner or an Owner authorized representative.
 - During work, store materials and equipment as directed by the owner.
 - Protect work and materials from damage due to operations by other trades and trespassers. Maintain protection during installation.
- 9.0 INSPECTION AND ACCEPTANCE**
- The Owner and or the Owner's representative reserves the right to inspect materials and workmanship at the site prior to, during construction, or at the time of inspection for compliance with these specifications.
 - Notify the Owner's representative when completed, for final design conformance review.
- 4. Tool concave joints in exposed surfaces when thumbprint hard.**
- 5. Width, depth, and tooling of all mortar joints shall be consistent and shall not vary more than 1/8".**
- 6. Movement joints: Keep clean of all mortar and debris.**
- E. Flashing:**
- Install complete and continuous under stone copings and other projections.
 - Lap joints 6". Seal entire contact surface with mastic.
 - Provide a mortar wash at the base of the cavity, underneath the through-wall flashing, pitting out.
 - Cover flashing with mortar.
- F. Weepholes**
- Provide 3/8" cotton rope weeps. Rope weeps shall extend thru the veneer face and inside the cavity, lying on top and along the bottom length of the Flashing. Cut rope flush with wall face.
 - Maximum spacing: rope weeps: 16 inches o.c., at wall base; 16 inches o.c. at lintels above openings.
 - Keep weepholes and area above flashing free of mortar droppings.

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BO-MAR ESTATES
PLAINFIELD, INDIANA
MONUMENT DETAILS

DRAFT
FOR REVIEW ONLY

NO.	REVISIONS	DATE
1		7.07.2022

DATE: 6.22.2022
PROJECT NO.: OLT2110
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SHEET NO.

LANDSCAPE WORK PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

The work shall consist of furnishing, transporting and installing all seeds, plants and other materials required for:

- 1. The establishment of trees, shrubs, perennial, annual and lawn areas as shown on Landscape Plan;
2. The provision of post-planting management as specified herein;
3. Any remedial operations necessary in conformance with the plans as specified in this document;
5. Permits which may be required.

1.2 QUALITY ASSURANCE

- A. Work shall conform to State of Indiana Horticultural Standards and local municipal requirements.
B. Quality Control Procedures:
1. Ship landscape materials with certificates of inspection as required by governmental authorities.
2. Do not make substitutions.
3. Analysis and Standards: Package standard products with manufacturers certified analysis.

1.3 SUBMITTALS

- A. Planting Schedule
B. Maintenance Instruction - Landscape Work
C. Submit two (2) copies of soil test of existing topsoil with recommendations for soil additive requirement to Landscape Architect for review and written approval.
D. Submit two (2) samples of shredded hardwood bark mulch, erosion control blankets, and all other products and materials as specified on plans to Landscape Architect for review and written approval.
E. Nursery packing lists indicating the species and quantities of material installed must be provided to the Owner and/or Municipality upon request.

1.4 JOB CONDITIONS

- A. Examine and evaluate grades, soils and water levels. Observe the conditions under which work is to be performed and notify Landscape Architect of unsatisfactory conditions.
B. Utilities: Review underground utility location maps and plans; notify local utility location service; demonstrate an awareness of utility locations; and certify acceptance of liability for the protection of utilities during course of work.
C. Excavation: When conditions detrimental to plant growth are encountered such as rubble fill, adverse drainage conditions or obstructions, notify Landscape Architect before planting.

1.5 GUARANTEES

- A. Guarantee seeded and sodded areas through the specified maintenance period and until final acceptance.
B. Guarantee trees, shrubs, and perennials for a period of one year after date of acceptance against defects including death and unsatisfactory growth, except for defects resulting from neglect by Owner, abuse or damage by others or unusual phenomena or incidents which are beyond Landscape Installer's control.

LANDSCAPE WORK PART 2 - PLANT MATERIALS

2.1 LAWN SOD

Provide strongly rooted sod, not less than two (2) years old and free of weeds and undesirable native grasses. Provide only sod capable of growth and development when planted (viable, not dormant) and in strips not more than 18" wide x 4' long. Provide sod composed of a 5-way blend of Kentucky Bluegrass such as: Midnight, Allure, Viva, Washington, Liberty.

2.2 LAWN SEED MIXTURE

Grass Seed: Provide fresh, clean, new crop seed complying with the tolerance for purity and germination established by the Official Seed Analysts of North America. Provide seed of the grass species, proportions and maximum percentage of weed seed, as specified.

- A. Lawn Seed Mixture - 5 lbs. / 1,000 sq. ft.
50% Kentucky Bluegrass 98/85
15% Cutter Perennial Ryegrass
10% Spartan Hard Fescue
10% Edge Perennial Ryegrass
10% Express Perennial Ryegrass
5% Pennlawn Creeping Red Fescue

2.3 GROUNDCOVERS, PERENNIALS AND ANNUALS

Provide plants established and well-rooted in removable containers or integral peat pots and with not less than the minimum number and length of runners required by ANSI Z60.1 for the pot size shown or listed.

2.4 TREES AND SHRUBS

- A. Name and Variety: Provide nursery grown plant material true to name and variety.
B. Quality: Provide trees, shrubs and other plants complying with the recommendations and requirements of ANSI Z60.1 "Standard for Nursery Stock" and as further specified.
C. Deciduous Trees: Provide trees of height and caliper listed or shown and with branching configuration recommended by ANSI Z60.1 for type and species required.
D. Deciduous Shrubs: Provide shrubs of the height shown or listed and with not less than the minimum number of canes required by ANSI Z60.1 for the type and height of shrub required.
E. Coniferous Evergreen: Provide evergreens of the sizes shown or listed.
F. Inspection: All plants shall be subject to inspection and review at the place of growth or upon delivery and conformity to specification requirements as to quality, right of inspection and rejection upon delivery at the site or during the progress of the work for size and condition of balls or roots, diseases, insects and latent defects or injuries.

2.5 EROSION CONTROL

- A. Erosion Control Blanket: North American Green DS75, or equivalent approved equal.
B. Basin Slope Erosion Control Blanket: North American Green SI50, or equivalent approved equal.
C. Native Area Erosion Control Blanket: North American Green DS150, or equivalent approved equal.

2.6 MULCH

Provide mulch consisting of shredded hardwood. Provide sample to Landscape Architect for approval prior to ordering materials.

LANDSCAPE WORK PART 3 - EXECUTION

3.1 PLANTING SCHEDULE

At least thirty (30) days prior to the beginning of work in each area, submit a planting schedule for approval by the Landscape Architect.

3.2 PLANTINGS

- A. Sodding New Lawns
1. Remove existing grass, vegetation and turf.
2. Till to a depth of not less than 6", apply soil amendments as needed; remove high areas and fill in depressions; till soil to a homogenous mixture of fine texture, remove lumps, clods, stones over 1" diameter, roots and other extraneous matter.
3. Sodded areas shall receive an application of commercial fertilizer at the rate of 10 lbs. per 1,000 sq. ft.
4. Lay sod within 24 hours from time of stripping.
5. Lay sod to form a solid mass with tightly fitted joints.
6. Water sod thoroughly with a fine spray immediately after planting.
B. Seeding New Lawns
1. Remove existing grass, vegetation and turf.
2. Till to a depth of not less than 6", apply soil amendments; remove high areas and fill in depressions; till soil to a homogenous mixture of fine texture, remove lumps, clods, stones over 1" diameter, roots and other extraneous matter.
3. Seeded lawn areas shall receive an application of commercial fertilizer at the rate of 5 lbs. per 1,000 sq. ft.
4. Do not use wet seed or seed which is moldy or otherwise damaged in transit or storage.
5. Sow seed using a spreader or seeding machine.
6. Sow not less than specified rate.
7. Rake lawn seed lightly into top 1" of soil, roll lightly and water with a fine spray.

C. Groundcover and Perennial Beds

Groundcover, perennials, and annuals shall be planted in continuous beds of planting soil mixture a minimum of 8" deep. Install per spacing indicated on plan.

D. Trees and Shrubs

- 1. Set balled and burlapped (B#B) stock plumb and in center of pit or trench with top of ball at an elevation that will keep the root flare exposed upon backfill and mulching.
2. Dish top of backfill to allow for mulching.
3. Mulch pits, trenches and planted areas.
4. Prune only injured or dead branches from flowering trees, if any.
5. Remove and replace excessively pruned or ill-formed stock resulting from improper pruning.
6. The Contractor shall be wholly responsible for assuring that all trees are planted in a vertical and plumb position and remain so throughout the life of this contract and guarantee period.

3.3 INITIAL MAINTENANCE

- A. Begin maintenance immediately after planting, continuing until final acceptance.
B. Maintain planted and seeded areas by watering, rolling/regrading, replanting and implementing erosion control as required to establish vegetation free of eroded or bare areas.

3.4 CLEAN UP AND PROTECTION

- A. During landscape work, store materials and equipment where directed.
B. Protect landscape work and materials from damage due to landscape operations, operations by other trades and trespassers.

3.5 INSPECTION AND ACCEPTANCE

- A. The Landscape Architect reserves the right to inspect seeds, plants, trees and shrubs either at place of growth or at site before planting for compliance with requirements for name, variety, size, quantity, quality and mix proportion.
B. Supply written affidavit certifying composition of seed mixtures and integrity of plant materials with respect to species, variety and source.
C. Notify the Landscape Architect within five (5) days after completing initial and/or supplemental plantings in each area.
D. When the landscape work is completed, including maintenance, the Landscape Architect will, upon request, make a final inspection to determine acceptability.



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BO-MAR ESTATES PLAINFIELD, INDIANA LANDSCAPE SPECIFICATIONS

DRAFT FOR REVIEW ONLY

Table with 2 columns: REVISIONS, DATE. Row 1: 1, 7.07.2022

Table with 2 columns: DATE, PROJECT NO., DRAWN, CHECKED, SHEET NO. Row 1: 6.22.2022, OLT2110, NKF, GFB, 17 OF 17



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