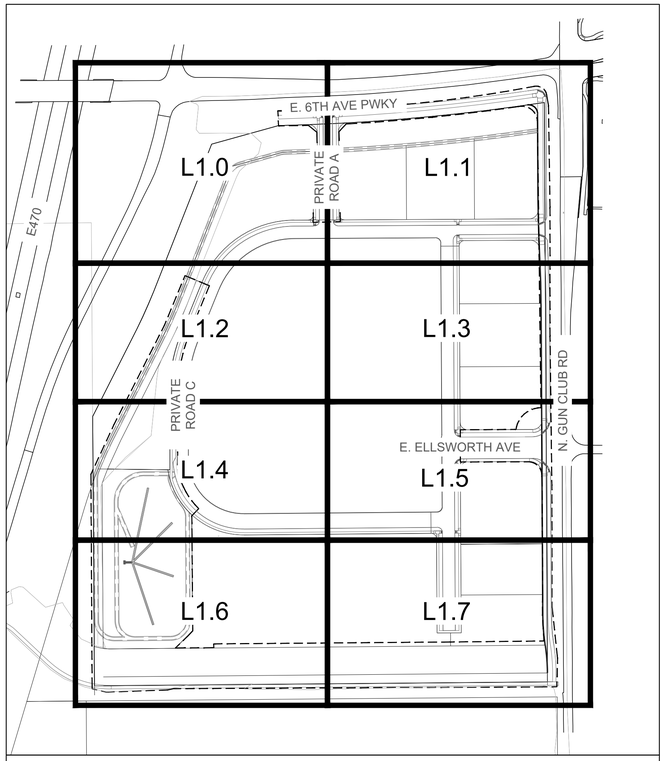
E470 & 6TH PARKWAY
INFRASTRUCTURE SITE PLAN

PART OF THE EAST HALF OF SECTION 12, TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

LANDSCAPE SITE PLAN

NOT FOR CONSTRUCTION



KEY MAP

0 100' 200' 400'
SCALE: 1"=200'-0"
NORTH

LANDSCAPE NOTES

L0.0	COVER SHEET
L0.1	OVERALL LANDSCAPE PLAN
L0.2	PLANT SCHEDULE & SEED MIXES
L0.3	LANDSCAPE TABULATIONS
L0.4	WATER USE PLAN
L0.5	TAP & WATER USAGE CALCULATIONS
L1.0	LANDSCAPE PLAN
L1.1	LANDSCAPE PLAN
L1.2	LANDSCAPE PLAN
L1.3	LANDSCAPE PLAN
L1.4	LANDSCAPE PLAN
L1.5	LANDSCAPE PLAN
L1.6	LANDSCAPE PLAN
L1.7	LANDSCAPE PLAN
L2.0	LANDSCAPE DETAILS

CITY OF AURORA STANDARD LANDSCAPE NOTES

1. ALL LANDSCAPE AREAS SHALL RECEIVE ORGANIC SOIL AMENDMENT ROTOTILLED AT AN 8" DEPTH AT A RATE OF (4) CUBIC YARDS PER 1,000 SF OF AREA.
2. THE SURFACE MATERIAL OF WALKS WILL BE POURED IN PLACE CONCRETE WITH NO SPECIAL FINISH.
3. ALL UTILITY EASEMENT SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR MAINTENANCE EQUIPMENT ENTRY.
4. THE DEVELOPER, HIS SUCCESSORS AND ASSIGNS, SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SHOWN OR INDICATED ON THE APPROVED SITE PLAN OR LANDSCAPE PLAN ON FILE IN THE PLANNING DEPARTMENT. ALL LANDSCAPING WILL BE INSTALLED AS DELINEATED ON THE PLAN, PRIOR TO ISSUANCE OF CERTIFICATES OF OCCUPANCY.
5. ALL LANDSCAPED AREAS AND PLANT MATERIAL, EXCEPT FOR NON-IRRIGATED NATIVE, RESTORATIVE, AND DRYLAND GRASS AREAS MUST BE WATERED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. IRRIGATION SYSTEM DESIGN, INSTALLATION, OPERATION, AND MAINTENANCE SHALL CONFORM TO REQUIREMENTS FOUND IN THE CITY OF AURORA IRRIGATION ORDINANCE.

LANDSCAPE NOTES

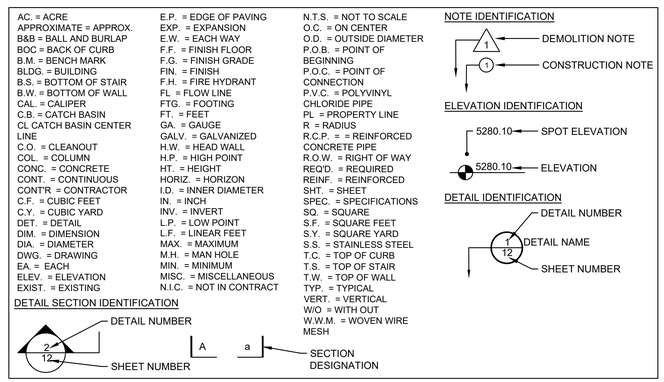
1. REFER TO CIVIL ENGINEER'S UTILITY AND PRECISE GRADING PLANS FOR UTILITY LOCATION AND FINAL GRADING. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS, CONTACT THE LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
2. VERIFY LOCATIONS OF PERTINENT SITE IMPROVEMENTS INSTALLED UNDER OTHER SECTIONS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT LANDSCAPE ARCHITECT FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
3. EXACT LOCATIONS OF PLANT MATERIALS TO BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
4. VERIFY PLANT COUNTS AND SQUARE FOOTAGES: QUANTITIES ARE PROVIDED AS OWNER INFORMATION ONLY. IF QUANTITIES ON PLANT LIST DIFFER FROM GRAPHIC INDICATIONS, THEN GRAPHICS SHALL PREVAIL.
5. CONTACT THE LOCAL UNDERGROUND UTILITY SERVICES FOR UTILITY LOCATION AND IDENTIFICATION.
6. PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND IF NECESSARY, BY HAND. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
7. TREES SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO EXISTING.
8. TREES TO BE PLANTED A MINIMUM OF 4 FEET FROM FACE OF BUILDING, OR PAVEMENT, EXCEPT AS APPROVED BY LANDSCAPE ARCHITECT.
9. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
10. PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
11. ALIGN AND EQUALLY SPACE TREES IN ALL DIRECTIONS PER THESE NOTES AND DRAWINGS.
12. FINISH GRADES OF SHRUB AREAS AND LAWNS SHALL BE 1 1/2 INCHES BELOW ADJACENT PAVING OR HEADER.
13. LANDSCAPE ARCHITECT TO REVIEW PLANT MATERIALS AT SOURCE OR BY PHOTOGRAPHS PRIOR TO DIGGING OR SHIPPING OF PLANT MATERIALS.
14. LANDSCAPE MATERIAL PLACEMENT SHALL NOT BE PLACED OR KEPT NEAR FIRE HYDRANTS, FIRE DEPARTMENT INLET CONNECTIONS OR FIRE PROTECTION CONTROL VALVES IN A MANNER THAT WOULD PREVENT SUCH EQUIPMENT OR FIRE HYDRANTS FROM BEING IMMEDIATELY DISCERNIBLE. THE FIRE DEPARTMENT SHALL NOT BE DETERRED OR HINDERED FROM GAINING IMMEDIATE ACCESS TO FIRE PROTECTION EQUIPMENT OR HYDRANTS.
15. THE SEPARATION REQUIREMENTS FROM FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS MUST MEET BOTH LIFE SAFETY (TYPICALLY 5 FEET AND NO MATERIAL GREATER THAN 2 FEET IN HEIGHT) AND LANDSCAPING REQUIREMENTS.
16. LANDSCAPING MATERIAL SHOWN WITHIN THE SITE PLAN CANNOT ENCROACH INTO ROADWAYS THAT ARE DEDICATED (OR DESIGNATED) AS FIRE LANE EASEMENTS (OR CORRIDORS).
17. TREES WITHIN THE CURBSIDE LANDSCAPE AND IN SIGHT TRIANGLES SHALL BE LIMBED UP TO 8' TO MEET SIGHT VISIBILITY REQUIREMENTS.
18. SOIL PREPARATION: LIST TYPE AND QUANTITY OF AMENDMENT(S) TO BE APPLIED. FOUR CUBIC YARDS OF ORGANIC MATERIAL PER 1,000 SF OF AREA IS THE MINIMUM AMOUNT CURRENTLY REQUIRED TO OBTAIN A LAWN PERMIT.
19. THE SURFACE MATERIAL OF WALKS WILL BE POURED IN PLACE CONCRETE WITH NO SPECIAL FINISH.
20. ALL UTILITY EASEMENT SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR MAINTENANCE EQUIPMENT ENTRY.
21. THE DEVELOPER, HIS SUCCESSORS AND ASSIGNS, SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SHOWN OR INDICATED ON THE APPROVED SITE PLAN OR LANDSCAPE PLAN ON FILE IN THE PLANNING DEPARTMENT. ALL LANDSCAPING WILL BE INSTALLED AS DELINEATED ON THE PLAN, PRIOR TO ISSUANCE OF CERTIFICATES OF OCCUPANCY.
22. ALL LANDSCAPED AREAS AND PLANT MATERIAL, EXCEPT FOR NON-IRRIGATED NATIVE, RESTORATIVE, AND DRYLAND GRASS AREAS MUST BE WATERED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. IRRIGATION SYSTEM DESIGN, INSTALLATION, OPERATION, AND MAINTENANCE SHALL CONFORM TO REQUIREMENTS FOUND IN THE CITY OF AURORA IRRIGATION ORDINANCE.
23. THE FOLLOWING ARE GUIDELINES FOR STREET TREES PLACED WITHIN THE R.O.W. 8' CLEAR FROM THE EDGE OF THE FIRE HYDRANTS 25' FROM THE CENTER OF STREET LIGHTS 20' FROM THE CENTER OF STOP SIGNS 8' FORM THE CENTERLINE OF STORM-WATER, SEWER AND WATER LINES 10' FROM THE EDGE OF DRIVEWAYS 5' FROM THE EDGE OF DRAIN INLETS AND WATER METERS 5' FROM SIDEWALK RAMPS
24. FINAL LOCATION OF THE STREET TREES WILL DEPEND UPON PAD SITE ACCESS POINT LOCATIONS AND UTILITIES. THE LOCATIONS CURRENTLY SHOWN ARE APPROXIMATE.
25. BUILDERS MUST ADHERE TO THE FOLLOWING CITY OF AURORA: UNIFIED DEVELOPMENT CODE, SECTION 146-4.7 LANDSCAPE, WATER CONSERVATION, AND STORMWATER MANAGEMENT.
26. ALL PROPOSED LANDSCAPING WITHIN THE SITE TRIANGLE SHALL BE IN COMPLIANCE WITH COA ROADWAY SPECIFICATIONS, SECTION 4.04.2.10

SYMBOLS & ABBREVIATIONS

AC. = ACRE
APPROXIMATE = APPROX.
B&B = BALL AND BURLAP
BOC = BACK OF CURB
B.M. = BENCH MARK
BLDG. = BUILDING
B.S. = BOTTOM OF STAIR
B.W. = BOTTOM OF WALL
CAL. = CALIPER
C.B. = CATCH BASIN
CL CATCH BASIN CENTER LINE
C.O. = CLEANOUT
COL. = COLUMN
CONC. = CONCRETE
CONT. = CONTINUOUS
CONTR = CONTRACTOR
C.F. = CUBIC FEET
C.Y. = CUBIC YARD
DET. = DETAIL
DIM. = DIMENSION
DIA. = DIAMETER
DWG. = DRAWING
EA. = EACH
ELEV. = ELEVATION
EXIST. = EXISTING

E.P. = EDGE OF PAVING
EXP. = EXPANSION
E.W. = EACH WAY
F.F. = FINISH FLOOR
F.G. = FINISH GRADE
FIN. = FINISH
F.H. = FIRE HYDRANT
FL = FLOW LINE
FTG. = FOOTING
FT. = FEET
GA. = GAUGE
GALV. = GALVANIZED
H.W. = HEAD WALL
H.P. = HIGH POINT
HT. = HEIGHT
HORIZ. = HORIZON
I.D. = INNER DIAMETER
IN. = INCH
INV. = INVERT
L.P. = LOW POINT
L.F. = LINEAR FEET
MAX = MAXIMUM
M.H. = MAN HOLE
MIN. = MINIMUM
MISC. = MISCELLANEOUS
N.I.C. = NOT IN CONTRACT

N.T.S. = NOT TO SCALE
O.C. = ON CENTER
O.D. = OUTSIDE DIAMETER
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF CONNECTION
P.V.C. = POLYVINYL CHLORIDE PIPE
PL = PROPERTY LINE
R = RADIUS
R.C.P. = = REINFORCED CONCRETE PIPE
R.O.W. = RIGHT OF WAY
REQ'D. = REQUIRED
REINF. = REINFORCED
SHT. = SHEET
SPEC. = SPECIFICATIONS
SQ. = SQUARE
S.F. = SQUARE FEET
S.Y. = SQUARE YARD
S.S. = STAINLESS STEEL
T.C. = TOP OF CURB
T.S. = TOP OF STAIR
T.W. = TOP OF WALL
TYP. = TYPICAL
VERT. = VERTICAL
W/O = WITH OUT
W.W.M. = WOVEN WIRE MESH



No.	Revisions	Date	Init.	Appr.	Date

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
COVER SHEET

SCALE: AS SHOWN
DRAWN BY: CGR
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FILE NO:
DATE: SEPTEMBER 2022

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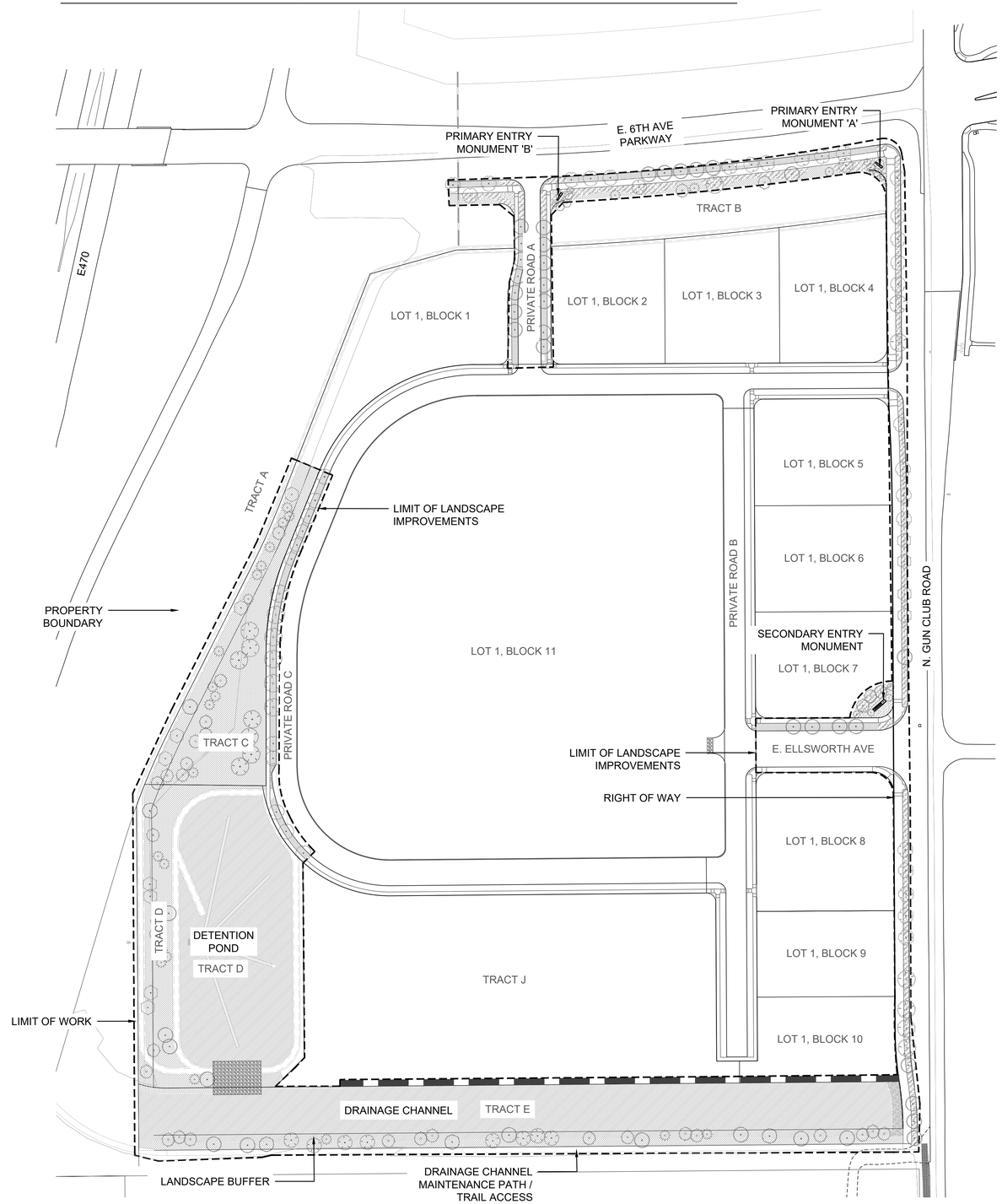
OVERALL LANDSCAPE PLAN



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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN

OVERALL LANDSCAPE PLAN

DRAWN BY: CGR	SCALE: AS SHOWN		
CHECKED BY: PCS	FILE NO:		
DATE: SEPTEMBER 2022			

SHEET NUMBER L0.1

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LANDSCAPE SITE PLAN

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PLANT SCHEDULE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	ROOT	CALIPER/HT.
AH	19	AESCULUS X CAMEA 'FT. MCNAIR'	RED HORSE CHESTNUT	B & B	2.5"CAL
WC	3	CATALPA SPECIOSA	NORTHERN CATALPA	B & B	2.5"CAL
HB	15	CELTIS OCCIDENTALIS	COMMON HACKBERRY	B & B	2.5"CAL
SHL	23	GLEDITSIA TRIACANTHOS INERMIS `SHADEMASTER`	SHADEMASTER LOCUST	B & B	2.5"CAL
GD	10	GYMNOCLADUS DIOICA `ESPRESSO`	KENTUCKY COFFEETREE	B & B	2.5"CAL
PH3	7	POPULUS DELTOIDES	EASTERN COTTONWOOD	B & B	2.5"CAL
BRO	21	QUERCUS MACROCARPA	BURR OAK	B & B	2.5"CAL
QR2	13	QUERCUS RUBRA	NORTHERN RED OAK	B & B	2.5"CAL
TM2	11	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	B & B	2.5"CAL

EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	ROOT	CALIPER/HT.
PB	24	PICEA PUNGENS GLAUCA `BAKERI`	BLUE SPRUCE	B & B	6`-8` HT
PE	6	PINUS EDULIS	PINON PINE	B & B	6` HT
PP6	33	PINUS PONDEROSA	PONDEROSA PINE	B & B	6`-8` HT

ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	ROOT	CALIPER/HT.
AG2	8	ACER GINNALA `FLAME`	FLAME AMUR MAPLE	B & B	2"CAL
SR	2	SOPHORA JAPONICA `REGENT`	JAPANESE PAGODA TREE	15 GAL	2"CAL

ORNAMENTAL GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE
BG2	8	BOUTELOUA GRACILIS	BLUE GRAMA	5 GAL
FRG	12	CALAMAGROSTIS X ACUTIFLORA `KARL FOERSTER`	FEATHER REED GRASS	5 GAL
EB	49	FESTUCA GLAUCA `ELIJAH BLUE`	BLUE FESCUE	5 GAL
MS2	52	MISCANTHUS SINENSIS `ADAGIO`	ADAGIO MAIDEN GRASS	5 GAL
MG2	236	MISCANTHUS SINENSIS `GRACILLIMUS`	MAIDEN GRASS	5 GAL
PA	43	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	5 GAL
SHS	58	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	5 GAL

DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE
AS	10	AMELANCHIER ALNIFOLIA	SERVICEBERRY	5 GAL
AA	2	AMELANCHIER ALNIFOLIA `REGENT`	SASKATOON SERVICEBERRY	5 GAL
AG3	8	AMELANCHIER X GRANDIFLORA `AUTUMN BRILLIANCE`	`AUTUMN BRILLIANCE` SERVICEBERRY	5 GAL
AM2	14	ARONIA ARBUTIFOLIA `BRILLIANTISSIMA`	BRILLIANT RED CHOKEBERRY	5 GAL
BF	13	BERBERIS FENDLERI	FENDLER`S BARBERRY	5 GAL
LP	23	CORNUS SERICEA	REDTWIGDOGWOOD	5 GAL
CC	15	COTONEASTER APICULATUS	CORAL BEAUTY COTONEASTER	5 GAL
EC2	87	EUONYMUS FORTUNEI `COLORATUS`	COLORATUS PURPLE WINTERCREEPER	5 GAL
FP	12	FALLUGIA PARADOXA	APACHE PLUME	5 GAL
KA	12	KOLKWITZIA AMABILIS	BEAUTY BUSH	5 GAL
RSA	23	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE	5 GAL
PL	22	PHYSOCARPUS OPULIFOLIUS `COPPERTINA`	GOLDEN NINEBARK	5 GAL
SC	66	PRUNUS BESSEYI	SAND CHERRY	5 GAL
PBP	251	PRUNUS BESSEYI `PAWNEE BUTTES`	SAND CHERRY	5 GAL
PLS	36	PRUNUS X CISTENA	PURPLE LEAF SAND CHERRY	5 GAL
GLS	68	RHUS AROMATICA `GRO-LOW`	GRO-LOW FRAGRANT SUMAC	5 GAL
RG2	117	RHUS GLABRA	SMOOTH SUMAC	5 GAL
RW	8	ROSA WOODSII	MOUNTAIN ROSE	5 GAL
SV2	135	SALIX EXIGUA	COYOTE WILLOW	5 GAL
SV	45	SYRINGA VULGARIS	COMMON LILAC	5 GAL

EVERGREEN SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE
APO	26	ARCTOSTAPHYLOS X `PANCHITO`	PANCHITO MANZANITA	5 GAL
GL	21	GENISTA LYDIA	BROOM	5 GAL
JCA	20	JUNIPERUS CHINENSIS `ARMSTRONGII`	ARMSTRONG JUNIPER	5 GAL
JC	76	JUNIPERUS COMMUNIS `JUNIPER`	JUNIPER	5 GAL
JBS	23	JUNIPERUS SQUAMATA `BLUE STAR`	BLUE STAR JUNIPER	5 GAL
OGH	13	MAHONIA AQUIFOLIUM `COMPACTA`	COMPACT OREGON GRAPE	5 GAL

PERENNIALS / GROUNDCOVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE
EP	179	ECHINACEA PURPUREA	PURPLE CONEFLOWER	1 GAL

GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME
	RM	1,836 SF	ROCK MULCH, 2"- 4" COBBLE	ROCK MULCH, 2"- 4" COBBLE
	RM2	23,891 SF	ROCK MULCH, 3/4"- 1.5" COBBLE	ROCK MULCH, 3/4"- 1.5" COBBLE
	DM	184,112 SF	SEED MIX, DETENTION	SEED MIX, DETENTION
	NSM	94,115 SF	SEED MIX, NATIVE	SEED MIX, NATIVE
	WM	1,874 SF	WOOD MULCH - SHREDDED CEDAR	WOOD MULCH - SHREDDED CEDAR

SOD/SEED	CODE	QTY	BOTANICAL NAME	COMMON NAME
	SOD	19,151 SF	BLUEGRASS SOD	BLUEGRASS SOD

SEED & SOD MIXES

SOD
KENTUCKY BLUEGRASS 'REVEILLE' HYBRID

DETENTION SEED MIX (DM)

BOTANIC	COMMON	PURE LIVE SEED RATE (LBS / ACRE)	PLANTING RATE	PLS (LBS / ACRE)
AGROPYRON CRISTATUM	CRESTED WHEATGRASS (FAIRWAY)	10	25%	2.5
BOUTELOUA GRACILLIS	BLUE GRAMA	8	20%	1.6
ELYMUS LANCEOLATUS	STREAMBANK WHEATGRASS	17	20%	3.4
PANICUM VIRGATUM	SWITCHGRASS	3	20%	0.6
SPOROBOLUS CRYPTANDRUS	SAND DROPSEED	1	15%	0.15
		TOTALS:	**100%**	**8.25**
		DRILL SEEDED RATE:	**8.25**	**PLS/ACRE**
		MECHANICAL BROADCAST RATE:	**16.5**	**PLS/ACRE**
		HAND BROADCAST RATE:	**49.5**	**PLS/ACRE**

UPLAND SEED MIX (USM)

BOTANIC	COMMON	PURE LIVE SEED RATE (LBS / ACRE)	PLANTING RATE	PLS (LBS / ACRE)
AGROPYRON CRISTATUM	CRESTED WHEATGRASS (FAIRWAY)	10	25%	2.50
BOUTELOUA DACTYLOIDES	BUFFALO GRASS	16	15%	2.40
BOUTELOUA GRACILLIS	BLUE GRAMA	8	29%	2.32
ARTEMISIA FRIGIDA	FRINGED SANDWORT	8	7%	0.56
LINUM PURENNE	BLUE FLAX	2	6%	0.12
GAILLARDIA ARISTATA	GAILLARDIA	10	4%	0.40
OENOTHERA MACROCARPA	MISSOURI EVENING PRIMROSE	10	4%	0.40
LIATRIS PUNCTATA	DOTTED GAYFEATHER	10	4%	0.40
SOLIDAGO MOLLIS	VELVETY GOLDENROD	10	3%	0.30
PENSTEMON EATONII	FIRECRACKER PENSTEMON	7	3%	0.21
		TOTALS:	**100%**	**7.11**
		DRILL SEEDED RATE:	**7.11**	**PLS/ACRE**
		MECHANICAL BROADCAST RATE:	**14.22**	**PLS/ACRE**
		HAND BROADCAST RATE:	**42.66**	**PLS/ACRE**

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INFRASTRUCTURE SITE PLAN

PLANT SCHEDULE & SEED MIXES

SCALE: AS SHOWN
FILE NO:
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CHECKED BY: PCS
DATE: SEPTEMBER 2022

SHEET NUMBER
L0.2

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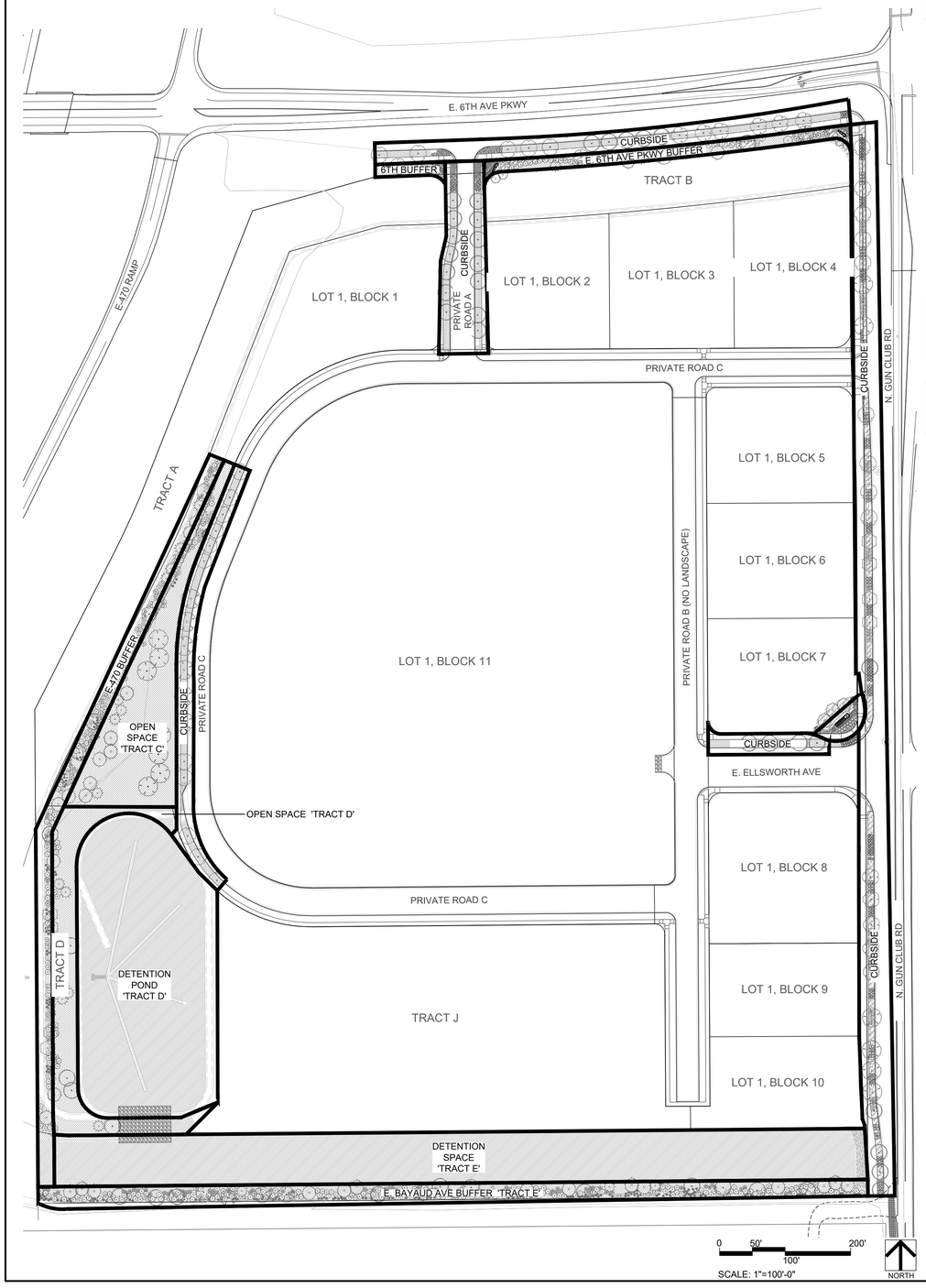
LANDSCAPE SITE PLAN

NOT FOR CONSTRUCTION

OPEN SPACE & ROW STREET TREE PLAN



REQUIRED LANDSCAPE TABULATIONS - CURBSIDE LANDSCAPE AND STREET TREES

CURBSIDE TREE LAWN PLANTING REQUIREMENTS

TREE LAWN SF						PLANT COUNTS					
STREET	LF OF TREE LAWN	X	TREE LAWN WIDTH	=	SF OF CURBSIDE LANDSCAPE	5 GAL SHRUBS	+	5 GAL GRASSES	=	SHRUBS TOTAL PROVIDED	REQUIRED	% GRASSES (NOT TO EXCEED 40%)
E. 6TH AVE PKWY	627		10'+		N/A					N/A	N/A	
N. GUN CLUB RD	1,188		8+		11,384	328		0		328	285	0%
PRIVATE ROAD A	562		10+		N/A					N/A	N/A	
E. ELLSWORTH AVE	171		10+		N/A					N/A	N/A	
PRIVATE ROAD C	667		10+		N/A					N/A	N/A	

R.O.W. STREET TREE PLANTING REQUIREMENTS

STREET NAME	TOTAL LINEAR FEET	TREES REQUIRED (1 TREE PER 40 LF)	TREES PROVIDED
E. 6TH AVE PKWY	627	16	16
N. GUN CLUB RD	1,188	30	30
PRIVATE ROAD A	562	14	14
E. ELLSWORTH AVE	171	4	4
PRIVATE ROAD C	667	17	17

REQUIRED LANDSCAPE TABULATIONS - OPEN SPACE TRACTS

OPEN SPACE TRACT PLANTING REQUIREMENTS

TREES							
AREA DESCRIPTION	TOTAL SQUARE FEET	TREES REQUIRED (1 TREE PER 4,000 SF)	TREES PROVIDED	2.5" TREES ADDED	2" TREES ADDED	6' EVERGREEN TREES	TOTAL EXTRA TREES PROVIDED
TRACT C	35,233	9	17	7	0	10	8

SHRUBS									
AREA DESCRIPTION	TOTAL SQUARE FEET	SHRUBS REQUIRED (10 SHRUBS PER 4,000 SF)	SHRUBS PROVIDED	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN 2.5" TREES)	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN 2" TREES)	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN 6' EVERGREENS)	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN PERENNIALS / GRASSES)	ACTUAL PERENNIALS & GRASSES PROVIDED	TOTAL SHRUB & SHRUB EQUIVALENTS PROVIDED
TRACT C	35,233	88	0	4 EXTRA TREES x 12 = 48	N/A	4 EXTRA TREES X 10 = 40	0	0	88

REQUIRED LANDSCAPE TABULATIONS - ROW BUFFER

R.O.W. BUFFER PLANTING REQUIREMENTS

TREES							
AREA DESCRIPTION	TOTAL LINEAR FEET	TREES REQUIRED (1 TREE PER 40 LF)	TREES PROVIDED	2.5" TREES ADDED	2" TREES ADDED	6' EVERGREEN TREES	TOTAL EXTRA TREES PROVIDED
E-470 BUFFER	1,090	27	27	8	2	17	0
E. 6TH AVE PKWY COMMERCIAL BUFFER	667	17	19	5	4	10	2
E. BAYAUD AVE BOUNDARY BUFFER	1,266	32	35	18	0	17	3

SHRUBS							
AREA DESCRIPTION	TOTAL LINEAR FEET	SHRUBS REQUIRED (10 SHRUBS PER 40 LF)	SHRUBS PROVIDED	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN 2" TREES)	PERENNIALS & GRASSES PROVIDED	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN PERENNIALS & GRASSES)	TOTAL SHRUB & SHRUB EQUIVALENTS PROVIDED
E-470 BUFFER	1,090	273	250	N/A	100	33	283
E. 6TH AVE PKWY COMMERCIAL BUFFER	667	167	152	2 EXTRA TREES x 12 = 24	127	42	218
E. BAYAUD AVE BOUNDARY BUFFER	1,266	317	299	3 EXTRA TREES x 12 = 36	136	45	380

REQUIRED LANDSCAPE TABULATIONS - DETENTION CHANNEL & POND

DETENTION CHANNEL & POND PLANTING REQUIREMENTS

TREES							
AREA DESCRIPTION	TOTAL SQUARE FEET (MINUS DETENTION POND & DRAINAGE WAY AREAS)	TREES REQUIRED (1 TREE PER 4,000 SF)	TREES PROVIDED	2.5" TREES ADDED	2" TREES ADDED	6' EVERGREEN TREES	TOTAL EXTRA TREES PROVIDED
TRACT D	21,015	5	10	4	0	6	5

SHRUBS									
AREA DESCRIPTION	TOTAL SQUARE FEET (MINUS DETENTION POND & DRAINAGE WAY AREAS)	SHRUBS REQUIRED (10 SHRUBS PER 4,000 SF)	SHRUBS PROVIDED	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN 2.5" TREES)	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN 2" TREES)	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN 6' EVERGREENS)	5 GALLON SHRUBS REDUCED (FOR AN ADDITION IN PERENNIALS / GRASSES)	ACTUAL PERENNIALS & GRASSES PROVIDED	TOTAL SHRUB & SHRUB EQUIVALENTS PROVIDED
TRACT D	21,015	53	0	3 EXTRA TREES X 12 = 36	0	2 EXTRA TREES X 12 = 20	0	0	56

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE TABULATIONS

SCALE: AS SHOWN
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FILE NO:
DATE: SEPTEMBER 2022
SHEET NUMBER L0.3

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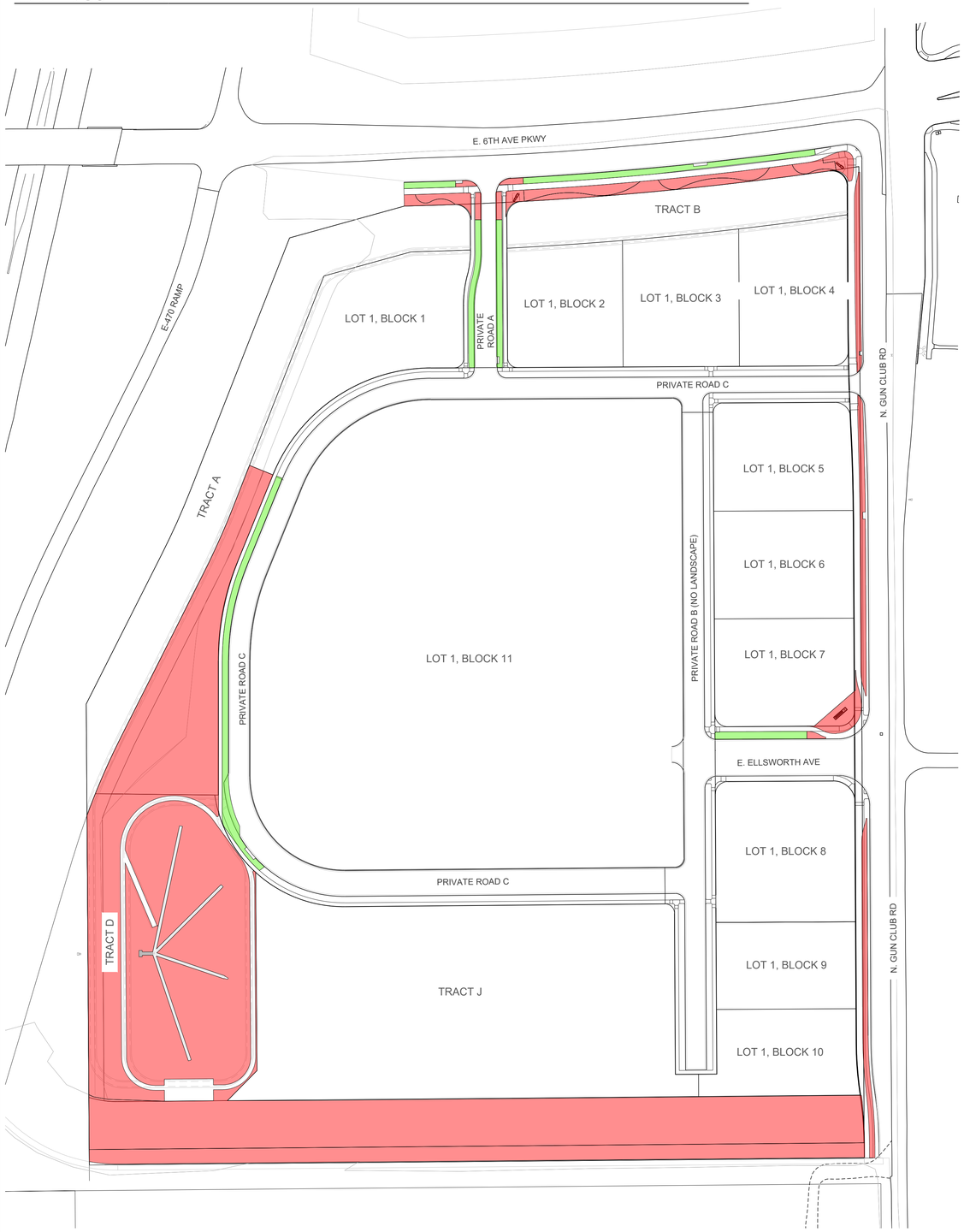
E470 & 6TH PARKWAY
INFRASTRUCTURE SITE PLAN

PART OF THE EAST HALF OF SECTION 12, TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

LANDSCAPE SITE PLAN

NOT FOR CONSTRUCTION

WATER USE PLAN



WATER USE TABLE			
SYMBOL	WATER USE AREA TYPE	AREA (SF/AC)	PERCENTAGE OF TOTAL LANDSCAPE AREA
	HIGH WATER USE (SOD)	19,151 SF 0.5 AC	6.0%
	LOW WATER USE (SHRUB BEDS & NATIVE SEED)	324,978 SF 7.0 AC	94.0%
TOTAL		324,978 SF 7.5 AC	100%

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
WATER USE PLAN

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LANDSCAPE SITE PLAN

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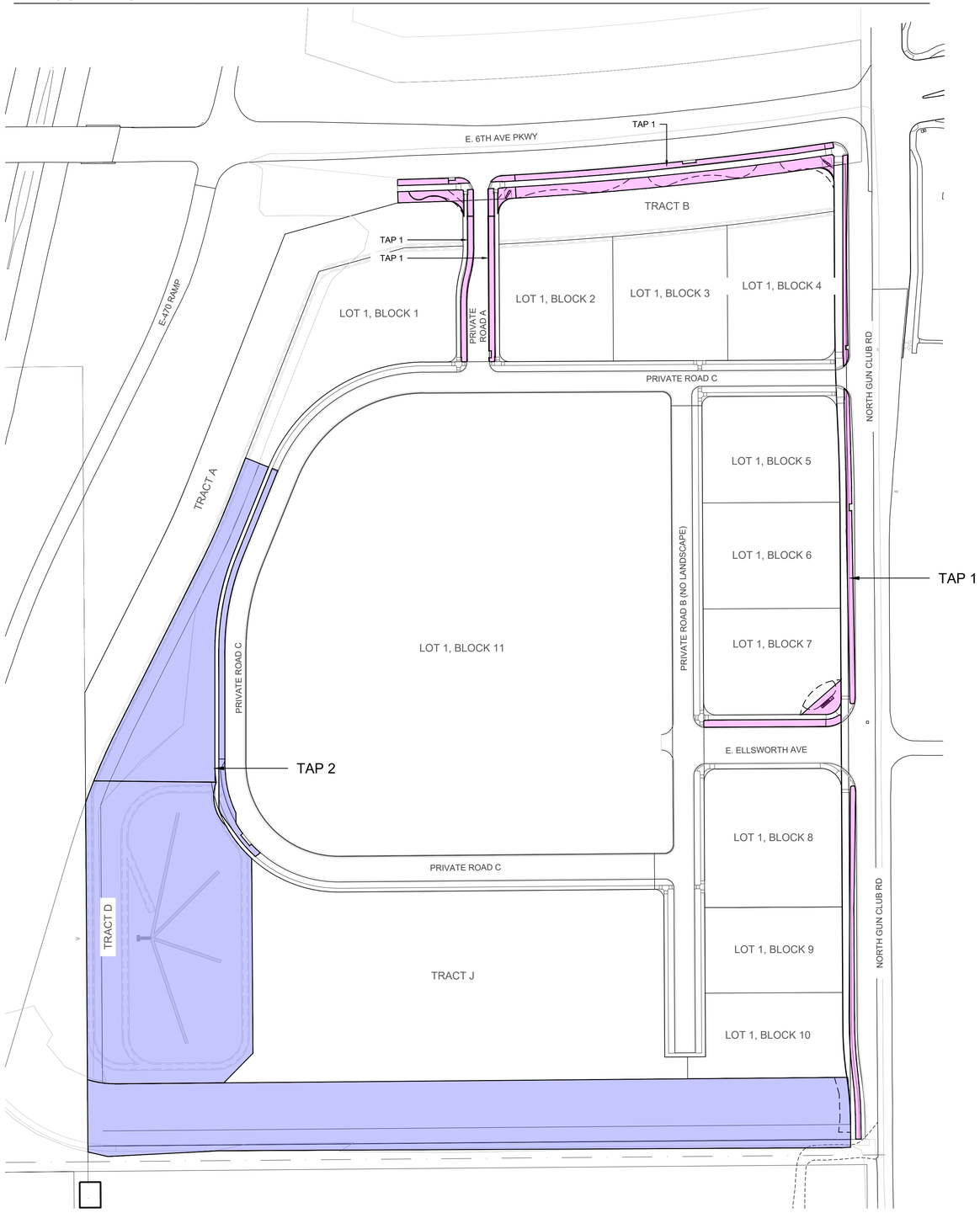
TAP COVERAGE PLAN



WATER USAGE CALCULATIONS PER TAP

Project Name: **E470 Commercial**
Project Location: ***Aurora, Colorado***
Tap Description: ***Tap 1***
Date prepared: ***02-Jun-22***

Seasonal Water Use and Peak Flow Projections Prepared By HydroSystems-KDI, Inc.

Description	Irrigated Area (Acre)	Month	Application Rate (in/mo/sqft)	Water Application (gallons)	Peak Season Projected Demand (GPM)
		April	1.75	14,766	
		May	4.14	34,875	
Kentucky Bluegrass	0.31	June	5.51	46,406	
Spray Irrigated		July	**5.95**	**50,133**	**6.3**
		August	5.17	43,594	
		September	4.01	33,750	
		October	1.47	12,375	
Irrigation Season Totals			28.00	235,899	
				0.72	acre-feet
		April	0.94	14,892	
		May	2.22	35,172	
Shrubs & Trees	0.58	June	2.95	46,802	
Drip Irrigated		July	**3.19**	**50,560**	**6.3**
		August	2.77	43,966	
		September	2.15	34,038	
		October	0.79	12,481	
Irrigation Season Totals			15.00	237,911	
				0.73	acre-feet
		April	0.63	2,327	
		May	1.48	5,496	
Z-Native Tall Grass	0.14	June	1.97	7,313	
Spray Irrigated		July	**2.13**	**7,901**	**1.0**
		August	1.85	6,870	
		September	1.43	5,319	
		October	0.52	1,950	
Irrigation Season Totals			10.00	37,176	
				0.11	acre-feet

Site Totals

Irrigated Area:	***44,925***	***Sq.Ft.***	***1.03***	***Acres***
Water Use per Year:	***510,986***	***Gallons***	***1.57***	***Acre-feet***
Average Water per Year:	***11.37***	***Gallons/SqFt***	***18.24***	***Inches/SqFt***
Peak Season Monthly Water Use:	***108,594***	***Gallons***	***0.33***	***Acre-feet***
Average Peak Season Flow:	***14***	***GPM***		
Required Tap Size:	***1.00***	***Inches***		

Projections are based on a three day per week, ten hour per day, peak season watering schedule.
Peak season application for Kentucky Bluegrass is 1.34" per week.
Peak season application for Z-Native Tall Grass is 0.48" per week.
Peak season application for Shrubs & Trees is 0.72" per week.

Total Non-Water Conserving Plant Material - 13516 sq. ft.
Total Water Conserving Plant Material - 25445 sq. ft.
Total Z-Zone Native Plant Material - 5964 sq. ft.

Project Name: **E470 Commercial**
Project Location: ***Aurora, Colorado***
Tap Description: ***Tap 2***
Date prepared: ***02-Jun-22***

Seasonal Water Use and Peak Flow Projections Prepared By HydroSystems-KDI, Inc.

Description	Irrigated Area (Acre)	Month	Application Rate (in/mo/sqft)	Water Application (gallons)	Peak Season Projected Demand (GPM)
		April	1.75	7,959	
		May	4.14	18,797	
Kentucky Bluegrass	0.17	June	5.51	25,013	
Spray Irrigated		July	**5.95**	**27,021**	**3.4**
		August	5.17	23,497	
		September	4.01	18,191	
		October	1.47	6,670	
Irrigation Season Totals			28.00	127,148	
				0.39	acre-feet
		April	0.94	29,702	
		May	2.22	70,154	
Shrubs & Trees	1.17	June	2.95	93,350	
Drip Irrigated		July	**3.19**	**100,847**	**12.7**
		August	2.77	87,693	
		September	2.15	67,891	
		October	0.79	24,893	
Irrigation Season Totals			15.00	474,531	
				1.46	acre-feet
		April	0.63	114,954	
		May	1.48	271,511	
Z-Native Tall Grass	6.76	June	1.97	361,285	
Spray Irrigated		July	**2.13**	**390,298**	**49.0**
		August	1.85	339,389	
		September	1.43	262,753	
		October	0.52	96,343	
Irrigation Season Totals			10.00	1,836,533	
				5.64	acre-feet

Site Totals

Irrigated Area:	***352,668***	***Sq.Ft.***	***8.10***	***Acres***
Water Use per Year:	***2,438,212***	***Gallons***	***7.48***	***Acre-feet***
Average Water per Year:	***6.91***	***Gallons/SqFt***	***11.09***	***Inches/SqFt***
Peak Season Monthly Water Use:	***518,165***	***Gallons***	***1.59***	***Acre-feet***
Average Peak Season Flow:	***65***	***GPM***		
Required Tap Size:	***2.00***	***Inches***		

Projections are based on a three day per week, ten hour per day, peak season watering schedule.
Peak season application for Kentucky Bluegrass is 1.34" per week.
Peak season application for Z-Native Tall Grass is 0.48" per week.
Peak season application for Shrubs & Trees is 0.72" per week.

Total Non-Water Conserving Plant Material - 7285 sq. ft.
Total Water Conserving Plant Material - 50752 sq. ft.
Total Z-Zone Native Plant Material - 294631 sq. ft.

No.	Revisions	Date	Init.	Appr.	Date

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E470 AND 6TH PARKWAY INFRASTRUCTURE SITE PLAN

TAP & WATER USAGE CALCULATIONS

SCALE: AS SHOWN
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E470 & 6TH PARKWAY
INFRASTRUCTURE SITE PLAN

PART OF THE EAST HALF OF SECTION 12, TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

LANDSCAPE SITE PLAN

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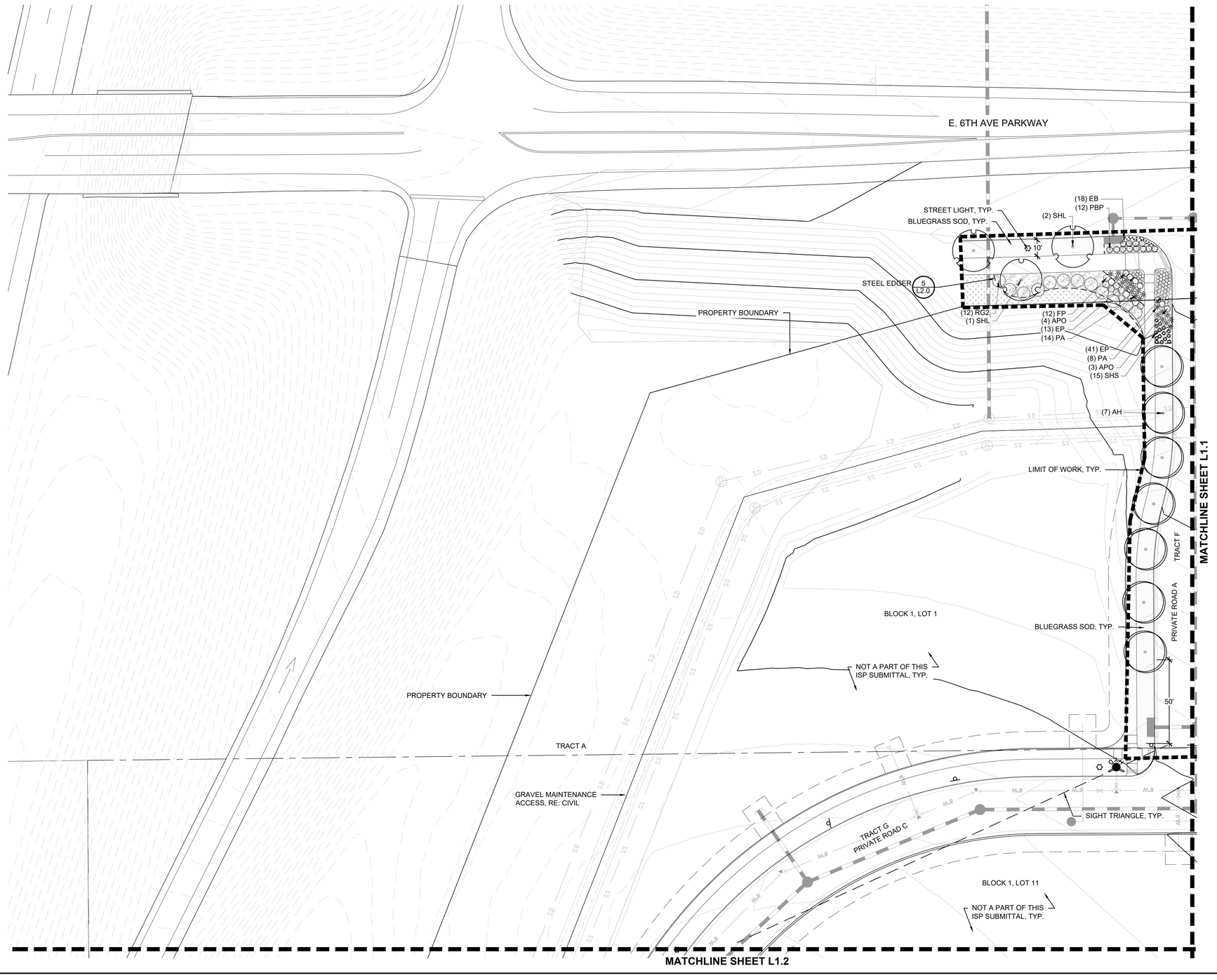

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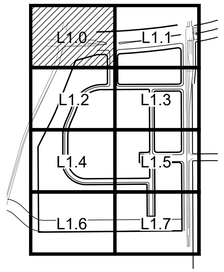

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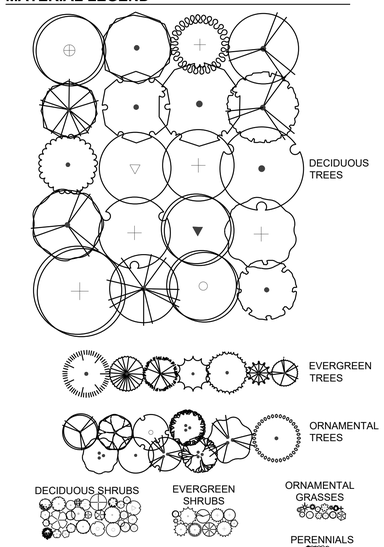

GROUNDCOVER LEGEND

SOD	BLUEGRASS SOD
RM2	ROCK MULCH, 3/4"- 1.5" COBBLE
DM	DETENTION SEED MIX
NSM	NATIVE SEED MIX
WM	WOOD MULCH - SHREDDED CEDAR

NORTH

0 10' 20' 30' 60'
SCALE: 1"=30'-0"

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE PLAN

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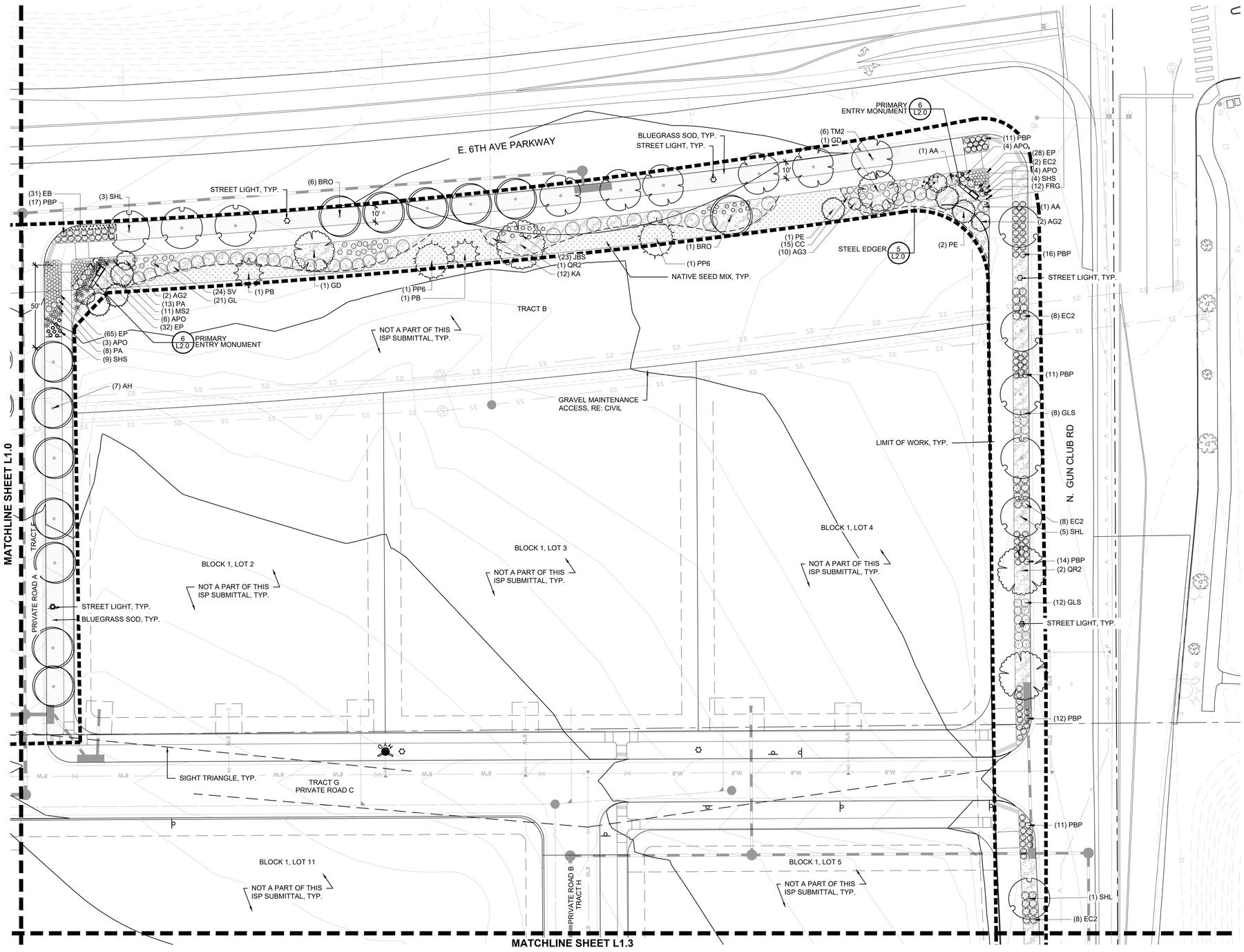

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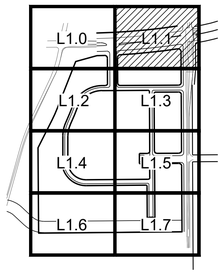

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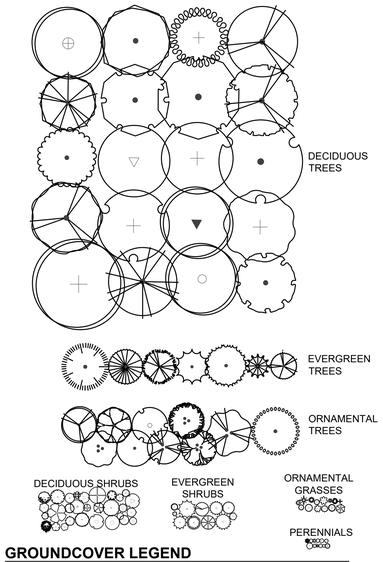

GROUNDCOVER LEGEND

SOD	BLUEGRASS SOD
RM2	ROCK MULCH, 3/4"- 1.5" COBBLE
DM	DETENTION SEED MIX
NSM	NATIVE SEED MIX
WM	WOOD MULCH - SHREDDED CEDAR

NORTH

0 10' 20' 30' 60'
SCALE: 1"=30'-0"

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE PLAN

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INFRASTRUCTURE SITE PLAN

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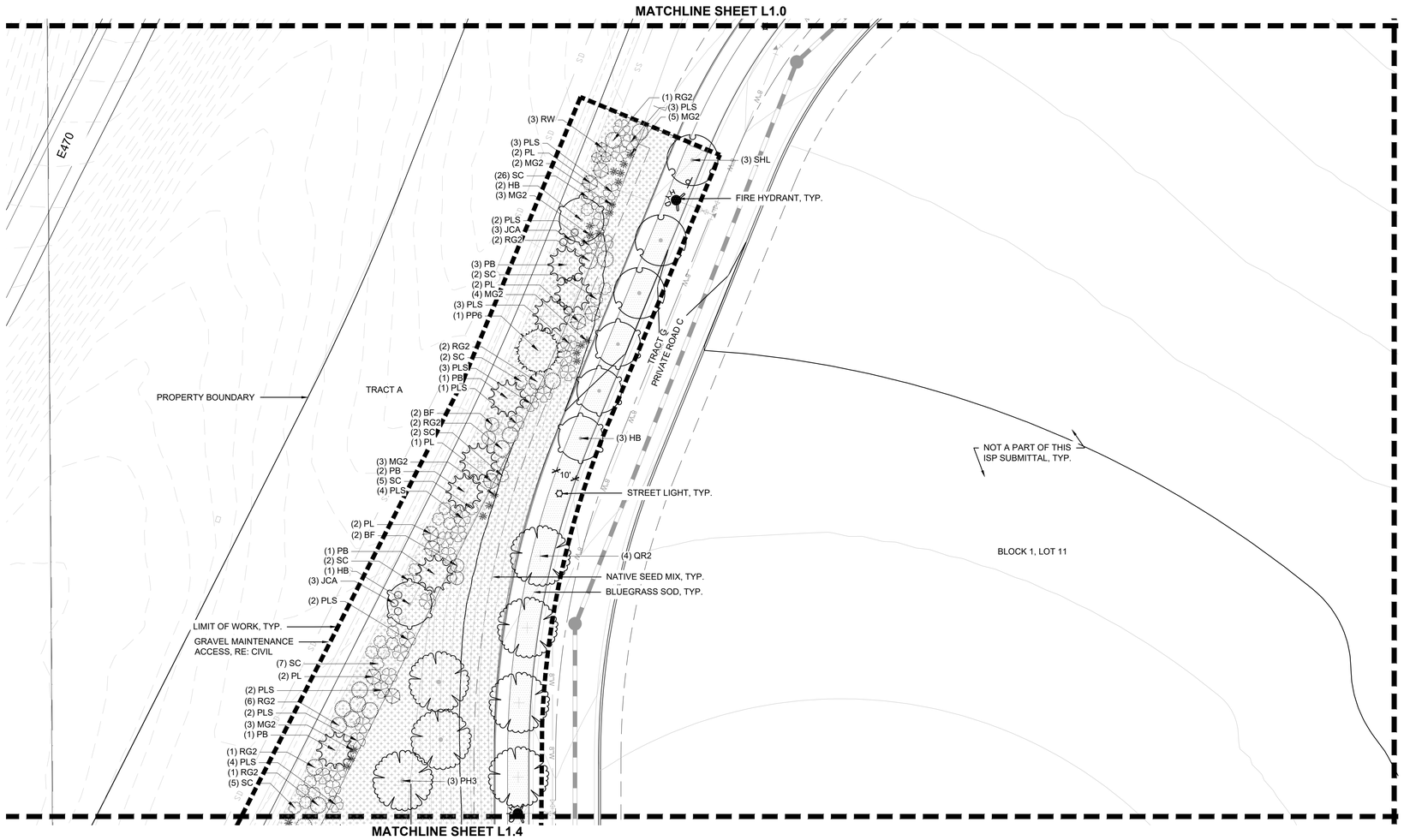

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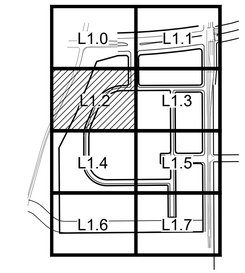

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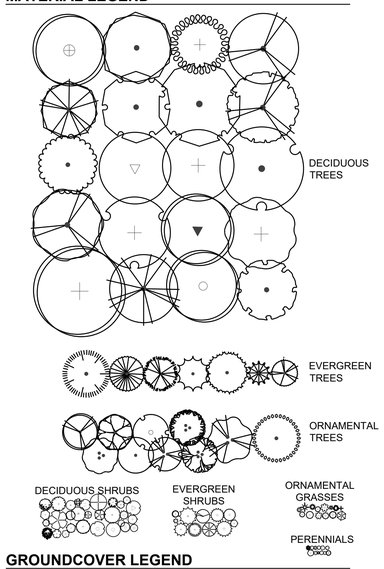

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE PLAN

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INFRASTRUCTURE SITE PLAN

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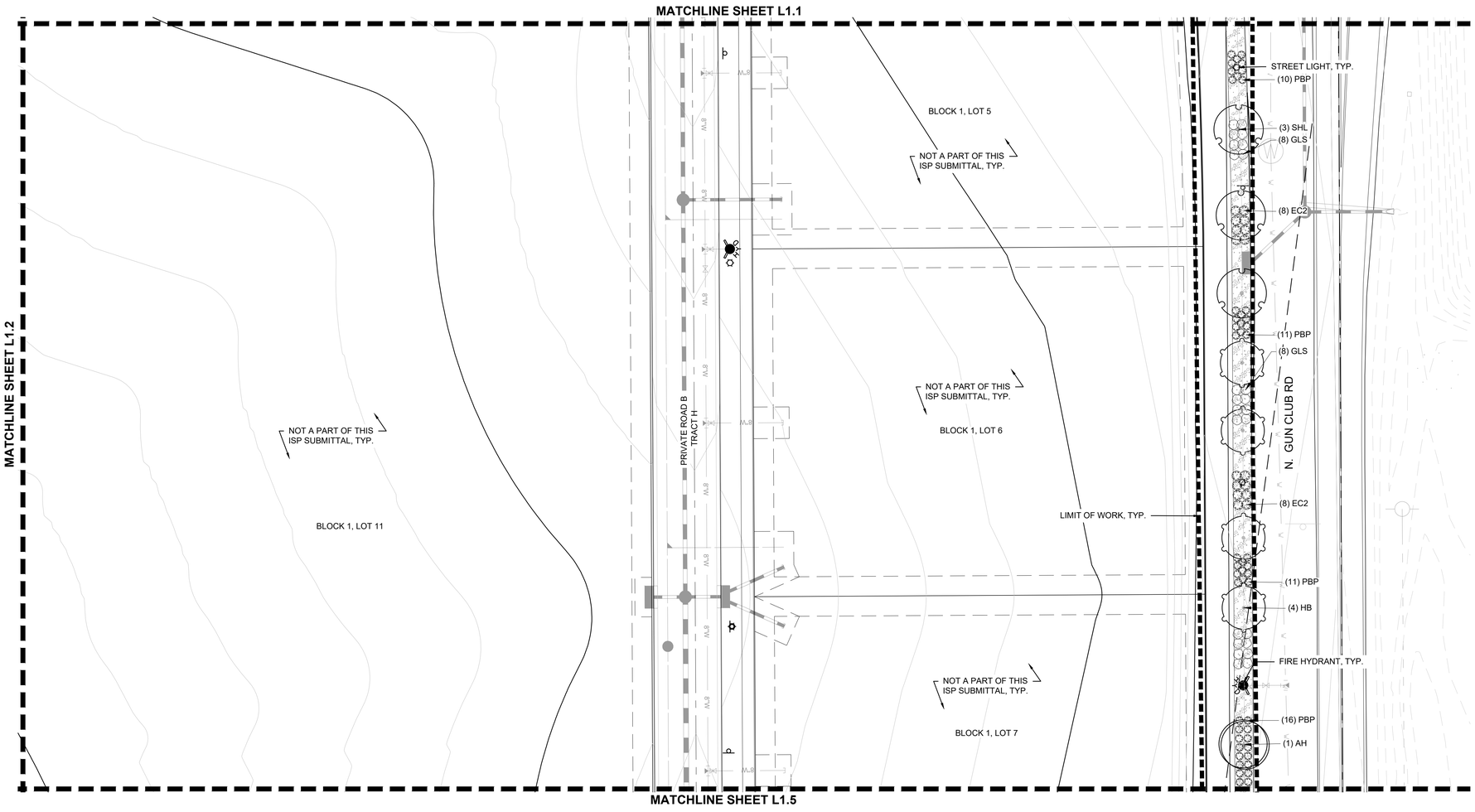

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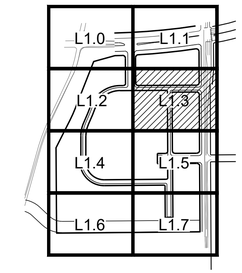

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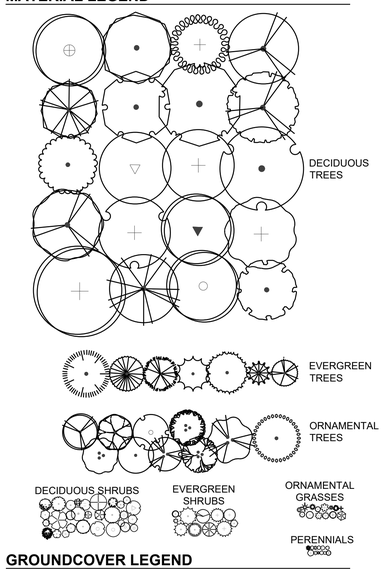

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE PLAN

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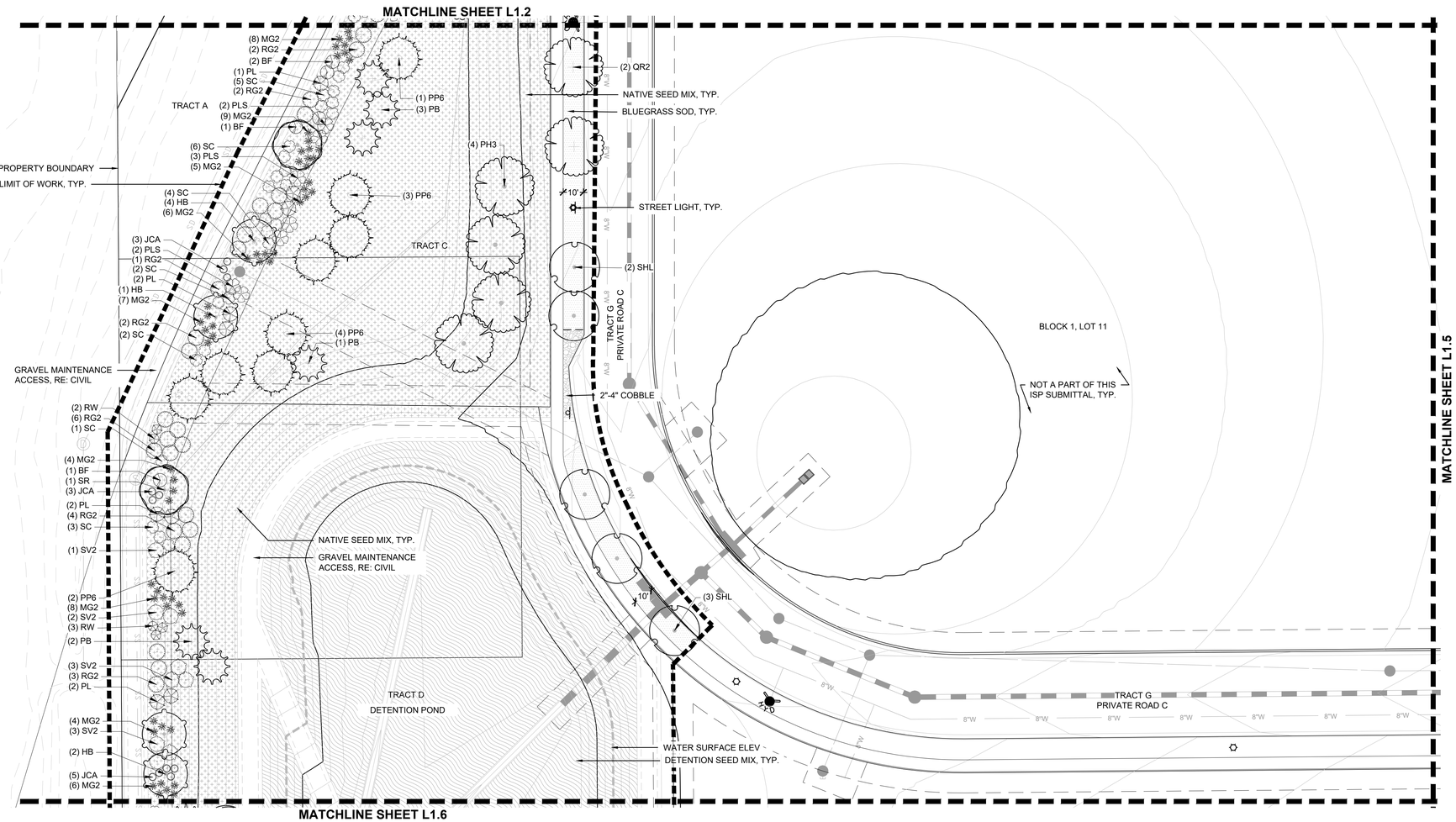

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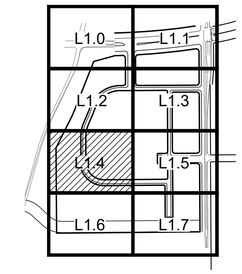

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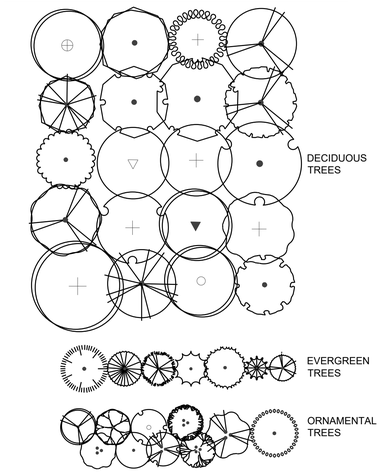

GROUNDCOVER LEGEND

SOD	BLUEGRASS SOD
RM2	ROCK MULCH, 3/4"- 1.5" COBBLE
DM	DETENTION SEED MIX
NSM	NATIVE SEED MIX
WM	WOOD MULCH - SHREDDED CEDAR

NORTH

0 10' 20' 30' 60'
SCALE: 1"=30'-0"

No.	Revisions	Date	Init.	Appr.	Date

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE PLAN

SCALE: AS SHOWN
FILE NO:
DRAWN BY: CGR
CHECKED BY: PCS
DATE: SEPTEMBER 2022

SHEET NUMBER
L1.4

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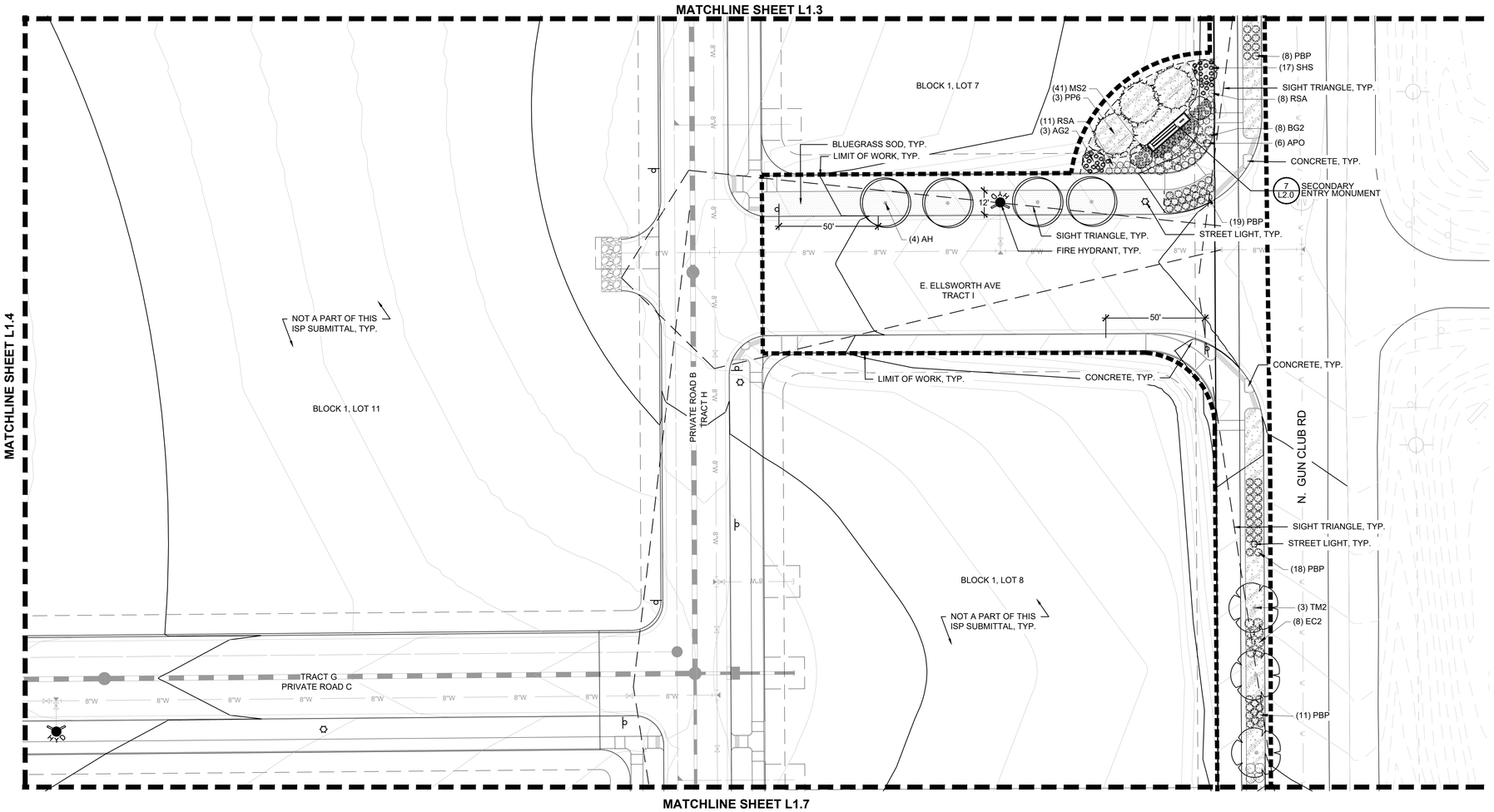
E470 & 6TH PARKWAY
INFRASTRUCTURE SITE PLAN

PART OF THE EAST HALF OF SECTION 12, TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

LANDSCAPE SITE PLAN

NOT FOR CONSTRUCTION



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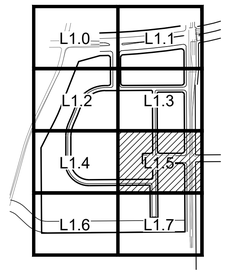

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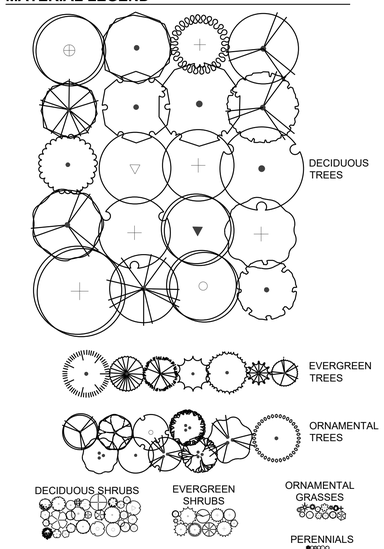

GROUNDCOVER LEGEND

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RM2	ROCK MULCH, 3/4"- 1.5" COBBLE
DM	DETENTION SEED MIX
NSM	NATIVE SEED MIX
WM	WOOD MULCH - SHREDDED CEDAR

NORTH

0 10' 20' 30' 60'
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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE PLAN

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CHECKED BY: PCS
FILE NO:
DATE: SEPTEMBER 2022

SHEET NUMBER
L1.5

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E470 & 6TH PARKWAY
INFRASTRUCTURE SITE PLAN

PART OF THE EAST HALF OF SECTION 12, TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

LANDSCAPE SITE PLAN

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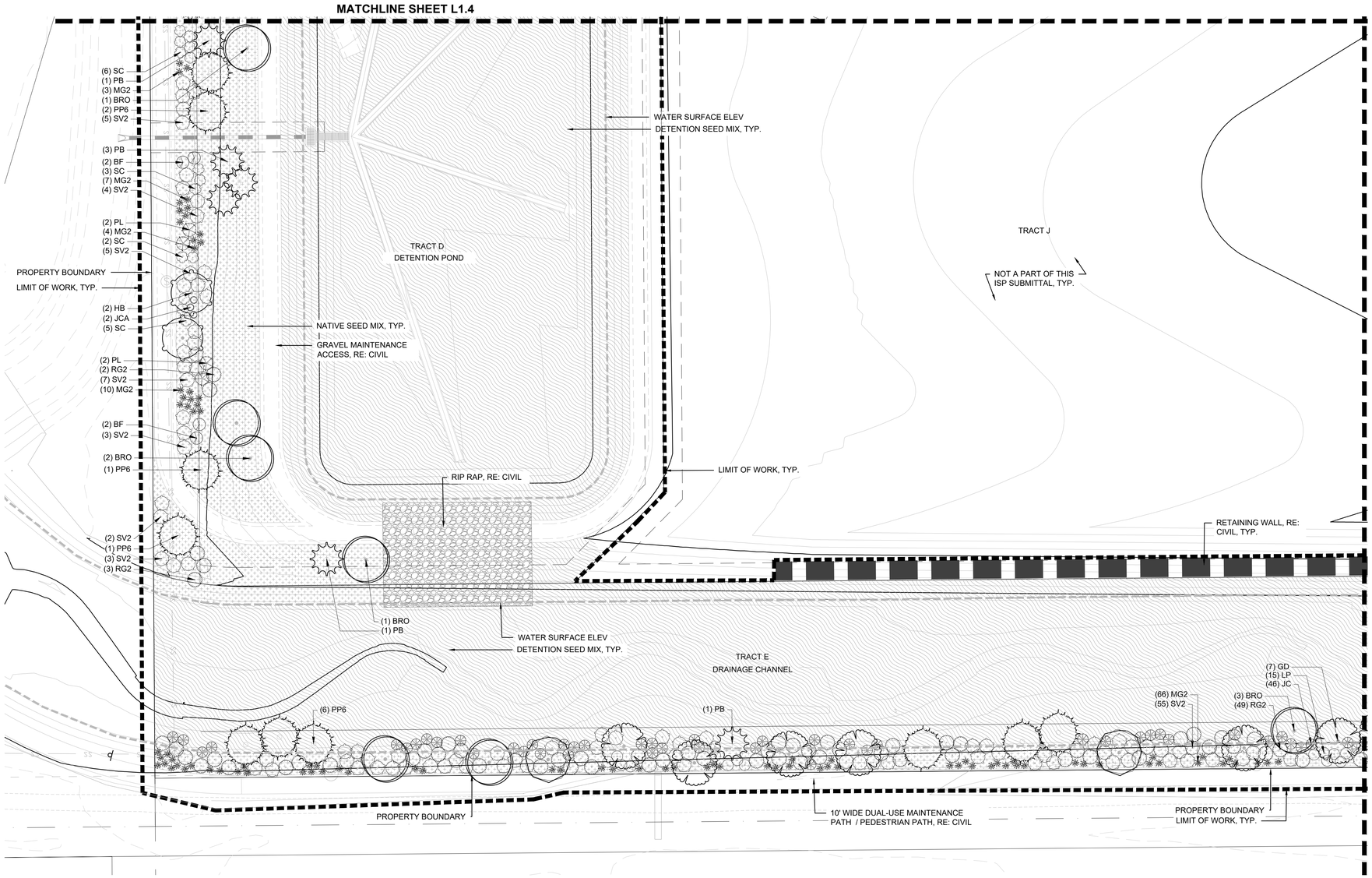

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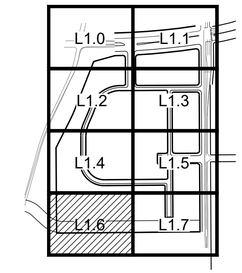

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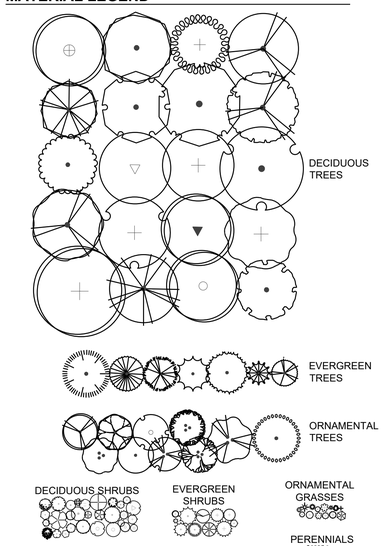

GROUNDCOVER LEGEND

SOD	BLUEGRASS SOD
RM2	ROCK MULCH, 3/4"- 1.5" COBBLE
DM	DETENTION SEED MIX
NSM	NATIVE SEED MIX
WM	WOOD MULCH - SHREDDED CEDAR

NORTH

0 10' 20' 30' 60'
SCALE: 1"=30'-0"

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE PLAN

SCALE: AS SHOWN
FILE NO:
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CHECKED BY: PCS
DATE: SEPTEMBER 2022

SHEET NUMBER
L1.6

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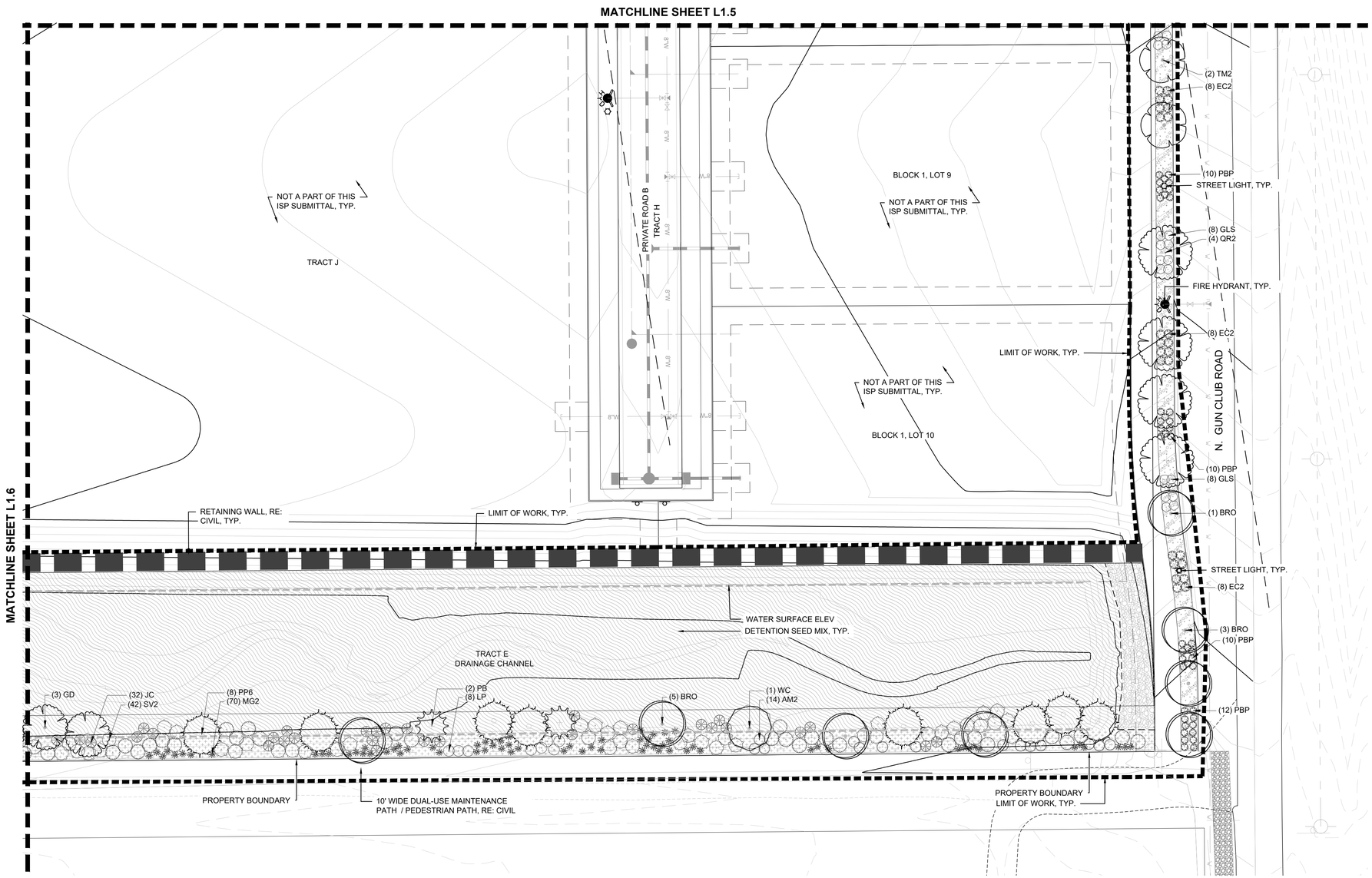
E470 & 6TH PARKWAY
INFRASTRUCTURE SITE PLAN

PART OF THE EAST HALF OF SECTION 12, TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

LANDSCAPE SITE PLAN

NOT FOR CONSTRUCTION



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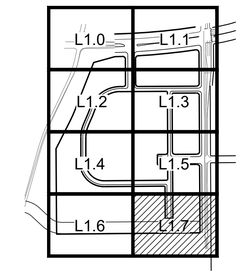

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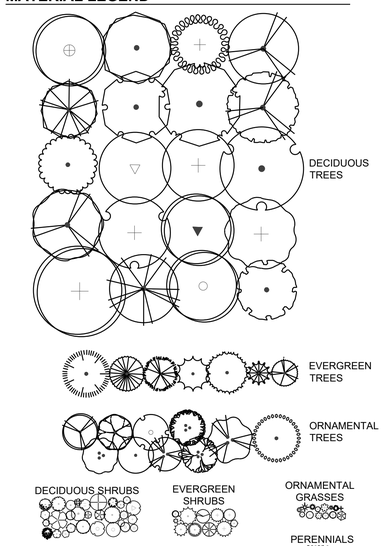

GROUNDCOVER LEGEND

	SOD	BLUEGRASS SOD
	RM2	ROCK MULCH, 3/4"- 1.5" COBBLE
	DM	DETENTION SEED MIX
	NSM	NATIVE SEED MIX
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NORTH

0 10' 20' 30' 60'
SCALE: 1"=30'-0"

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE PLAN

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SHEET NUMBER
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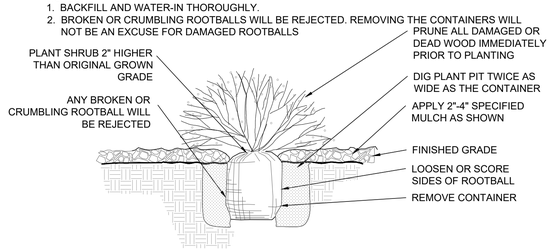
E470 & 6TH PARKWAY
INFRASTRUCTURE SITE PLAN

NOT FOR CONSTRUCTION

PART OF THE EAST HALF OF SECTION 12, TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

LANDSCAPE SITE PLAN

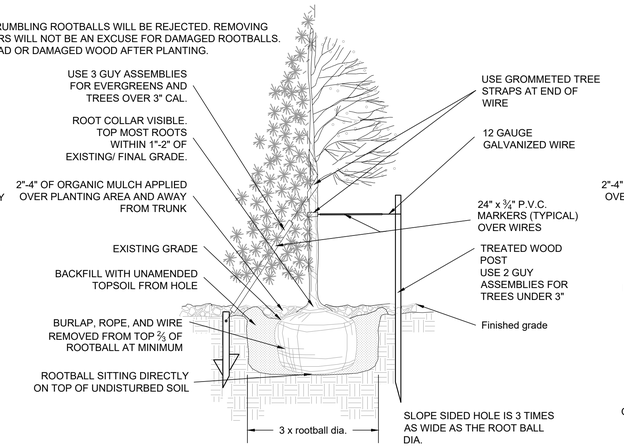
NOTES:
1. BACKFILL AND WATER-IN THOROUGHLY.
2. BROKEN OR CRUMBLING ROOTBALLS WILL BE REJECTED. REMOVING THE CONTAINERS WILL NOT BE AN EXCUSE FOR DAMAGED ROOTBALLS



1 SHRUB PLANTING

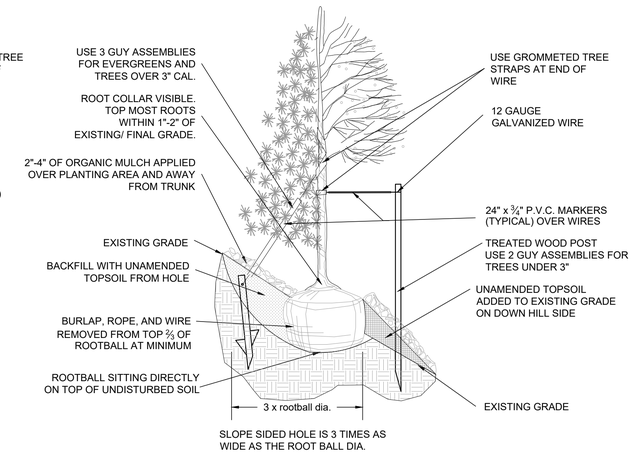
SCALE: NTS

NOTES:
1. BROKEN OR CRUMBLING ROOTBALLS WILL BE REJECTED. REMOVING THE CONTAINERS WILL NOT BE AN EXCUSE FOR DAMAGED ROOTBALLS.
2. PRUNE ALL DEAD OR DAMAGED WOOD AFTER PLANTING.



2 TREE PLANTING

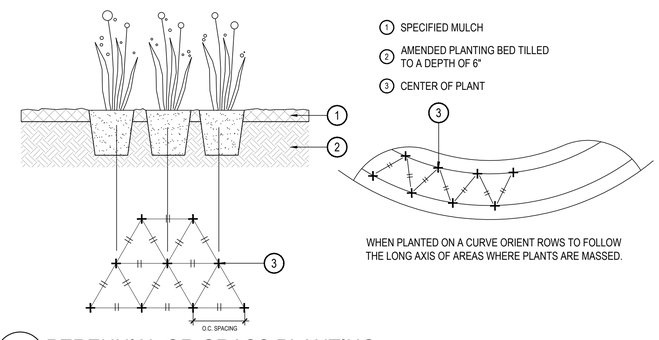
SCALE: NTS



3 TREE PLANTING ON SLOPE

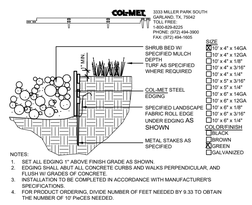
SCALE: NTS

NOTES:
1. ALL WORK TO BE DONE AT TIME OF PLANTING
2. PEEL BACK ONLY TOP OF BURLAP REQUIRED TO PERFORM WORK. REPLACE BURLAP BEFORE MOVING TREE INTO PLANTING PIT. DO NOT REMOVE WIRE BASKET UNTIL INSIDE PLANTING PIT.
3. MEASURE NEW HEIGHT OF ROOTBALL AND DIG PLANTING PIT SO FINAL TOP ROOTBALL GRADE IS 3" ABOVE FINAL GRADE SURROUNDING BALL.
4. EXCAVATE PLANTING HOLES WITH SLOPING SIDES. MAKE EXCAVATIONS AT LEAST THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER AND NO DEEPER THAN THE DISTANCE FROM THE TOP MOST ROOTS IN THE ROOT BALL TO THE BOTTOM OF THE ROOT BALL TO ALLOW FOR SETTLING. DO NOT DISTURB SOIL AT BOTTOM OF PLANTING HOLES, BUT DO SCORE THE SIDES OF THE PLANTING HOLE. THE PLANTING AREA SHALL BE LOOSENED AND AERATED AT LEAST THREE TIMES THE DIAMETER OF THE ROOT BALL. BACKFILL SHALL CONSIST OF EXISTING SITE TOPSOIL - NO AMENDMENTS SHALL BE USED UNLESS OTHERWISE SPECIFIED.
5. TREES SHALL BE PLANTED WITH THE ROOT COLLAR/FLARE VISIBLE ABOVE GRADE AND TWO OR MORE STRUCTURAL ROOTS LOCATED WITHIN THE TOP 1" TO 2" OF THE ROOT BALL/FINISHED GRADE MEASURED 3" TO 4" FROM TRUNK. THIS INCLUDES TREES THAT ARE SET ON SLOPES (SEE SLOPE PLANTING DETAIL). TREES THAT DO NOT HAVE A VISIBLE ROOT COLLAR SHALL BE REJECTED. DO NOT COVER THE ROOT BALL WITH SOIL.
6. WHEN ROOT BALL WILL REMAIN INTACT, CUT OFF BOTTOM ⅓ OF WIRE BASKET BEFORE PLACING TREE IN HOLE, CUT OFF REMAINDER OF BASKET AFTER TREE IS SET IN HOLE, REMOVE BASKET COMPLETELY. AT A MINIMUM, THE TOP ⅔ OF THE BURLAP AND BASKET SHALL BE REMOVED FROM THE ROOT BALL ON ALL TREES. REMOVE ALL NYLON TIES, TWINE, ROPE AND BURLAP. REMOVE UNNECESSARY PACKING MATERIAL.
7. FORM SOIL INTO A 3" TO 5" TALL WATERING RING (SAUCER) AROUND PLANTING AREA. THIS IS NOT NECESSARY IN IRRIGATED TURF AREAS. APPLY 2" TO 4" DEPTH OF SPECIFIED MULCH OVER PLANTING AREA AND INSIDE SAUCERS, AWAY FROM TRUNK.
8. STAKING AND GUYING OF TREES IS OPTIONAL IN MOST PLANTING SITUATIONS. IN AREAS OF EXTREME WINDS OR ON STEEP SLOPES, STAKING MAY BE REQUIRED TO STABILIZE TREES. STAKING AND GUYING MUST BE REMOVED WITHIN 1 YEAR OF PLANTING DATE.
9. TREE WRAP IS NOT TO BE USED ON ANY NEW PLANTINGS, EXCEPT IN LATE FALL PLANTING SITUATIONS AND ONLY THEN AFTER CONSULTATION WITH THE TOWN ARBORIST.
10. RESETTING OF IMPROPERLY PLANTED TREES WILL ONLY BE ALLOWED IF IT IS DETERMINED THAT DOING SO WIL IN NO WAY COMPROMISE THE ROOT BALL, AND SHALL ONLY BE DONE WITH APPROVAL OF THE TOWN ARBORIST.



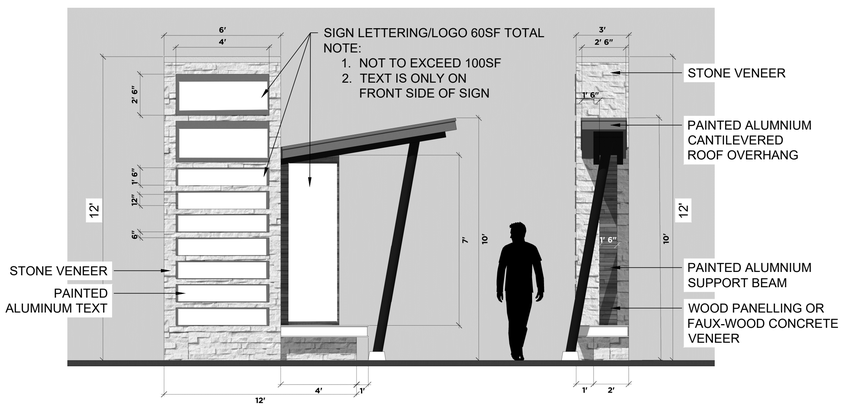
4 PERENNIAL OR GRASS PLANTING

SCALE: NTS



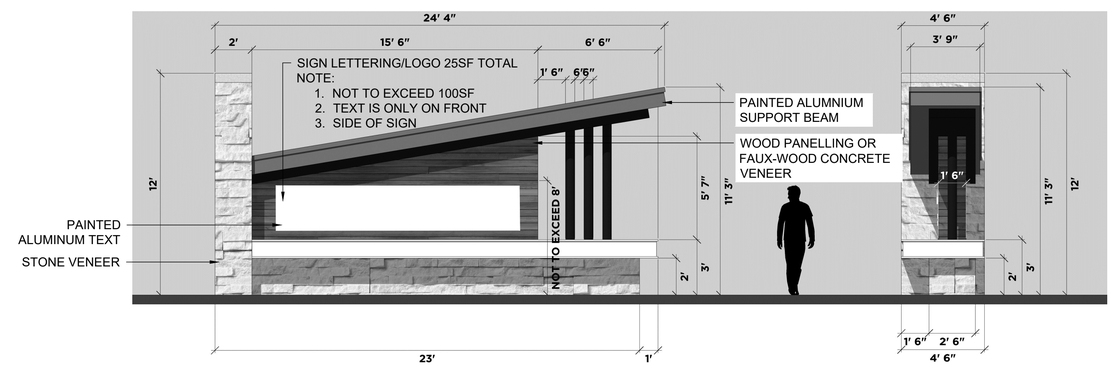
5 STEEL EDGER

SCALE: NTS



6 PRIMARY MONUMENT (QTY 2)

SCALE: NTS



7 SECONDARY MONUMENT (QTY 1)

SCALE: NTS

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E470 AND 6TH PARKWAY
INFRASTRUCTURE SITE PLAN
LANDSCAPE DETAILS

SCALE: AS SHOWN
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SHEET NUMBER
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