NOT FOR CONSTRUCTION

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

103183.00

12/13/2024 6:28:53 AM

nbbj
ONE CENTER PLAZA, SUITE 800
BOSTON, MASSACHUSETTS 02108
PHONE 617 378 4800
www.nbbj.com

DRAWING LIST

GENERAL	
GI000	COVER SHEET
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GI003	ARCHITECTURAL SITE PLAN

CIVIL	
SV001	Existing Conditions Plan
C101	Legend and General Notes
C201	Layout and Materials Plan
C301	Grading and Drainage Plan
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LANDSCAPE	
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LG002	SYMBOLS AND ABBREVIATIONS
LG100	CONSTRUCTION SCHEDULE AND NOTES
LG101	CONSTRUCTION PLAN
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LG401	SOIL PLAN
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LG404	SOIL PLAN
LG405	SOIL PLAN
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AE101	OVERALL FLOOR PLAN -F1
AR101	OVERALL RESIDENTIAL PLAN - F1
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AS202	SCHOOL EXTERIOR ELEVATIONS

PARKING STRUCTURE	
AP101	GROUND LEVEL PARKING PLAN
AP201	BUILDING ELEVATIONS

KEYPLAN

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No. 3107
COMMONWEALTH OF MASSACHUSETTS

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

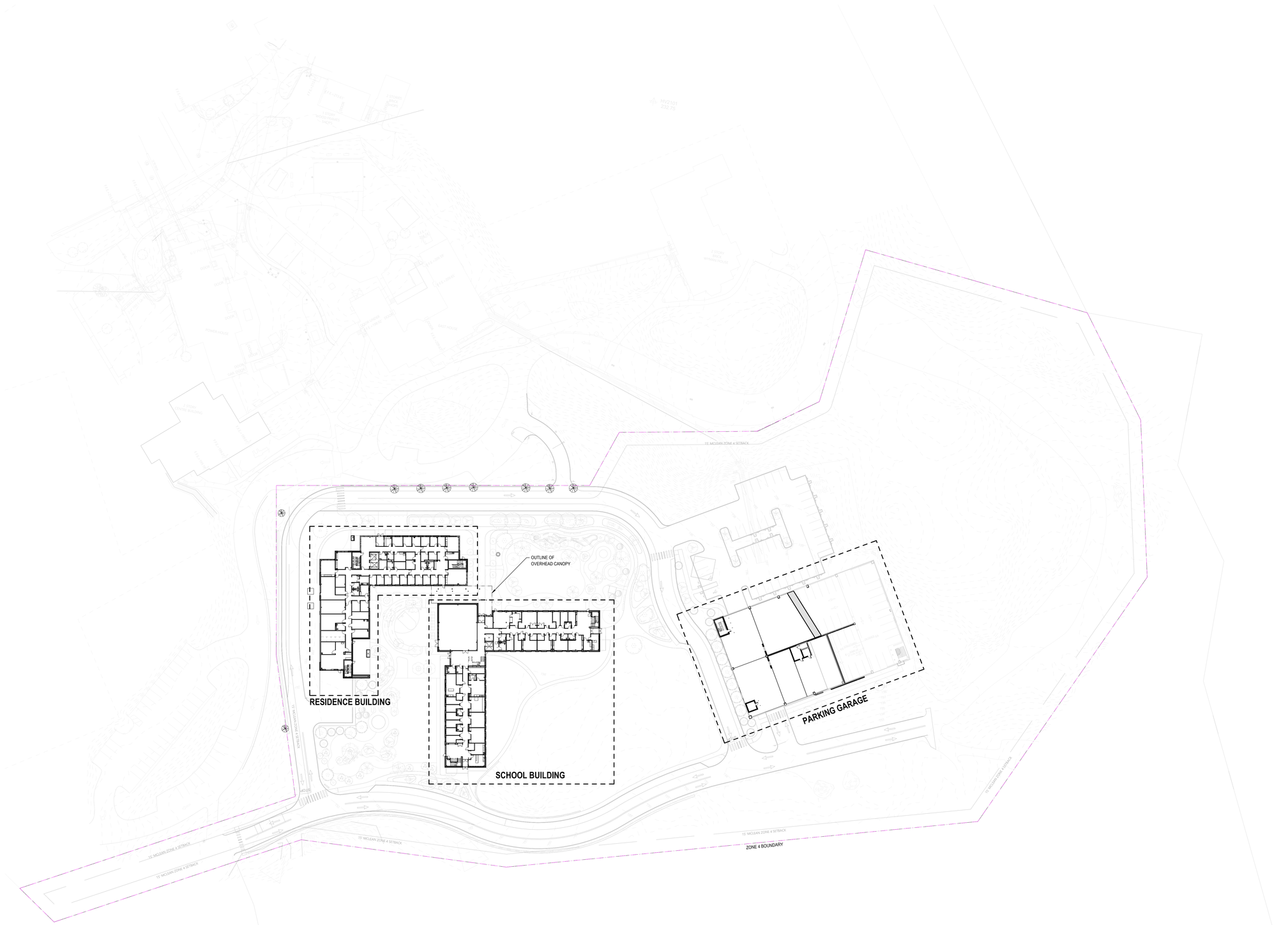
MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00
PROJECT ARCHITECT Designer

SHEET NAME
LIST OF SHEETS

SHEET NUMBER
GI001_

12/13/2024 3:39:01 PM
Autodesk Docs://103183.00 McLean Child and Adolescent Campus R23/ARCH-MCLEAN-BUILDINGS.rvt



1 OVERALL SITE PLAN
1" = 40'-0"

KEYPLAN

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MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00
PROJECT ARCHITECT Designer

SHEET NAME
ARCHITECTURAL SITE PLAN

SHEET NUMBER
GI003

12/13/2024 4:08:14 PM
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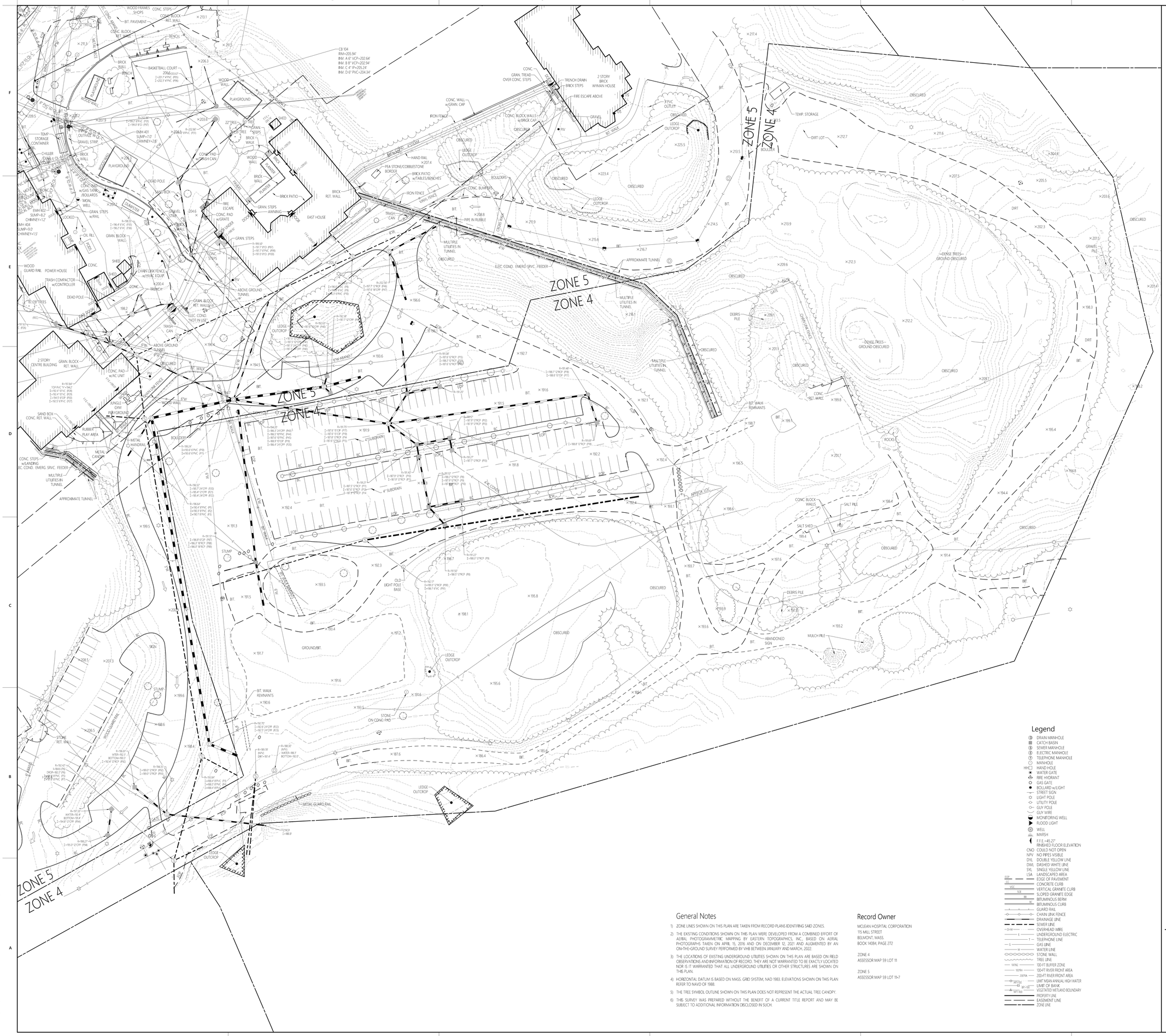

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- BOLLARD w/LIGHT
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- MARSH
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- DYL DOUBLE YELLOW LINE
- DWL DASHED WHITE LINE
- SYL SINGLE YELLOW LINE
- LSA LANDSCAPED AREA
- EDGE OF PAVEMENT
- CONCRETE CURB
- VCC VERTICAL GRANITE CURB
- SGC SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- MHW LIMIT MEAN ANNUAL HIGH WATER
- BK LIMIT OF BANK
- BVT VEGETATED WETLAND BOUNDARY
- PROPERTY LINE
- EASEMENT LINE
- ZONE LINE

General Notes

1) ZONE LINES SHOWN ON THIS PLAN ARE TAKEN FROM RECORD PLANS IDENTIFYING SAID ZONES.
2) THE EXISTING CONDITIONS SHOWN ON THIS PLAN WERE DEVELOPED FROM A COMBINED EFFORT OF AERIAL PHOTOGRAMMETRIC MAPPING BY EASTERN TOPOGRAPHICS, INC., BASED ON AERIAL PHOTOGRAPHS TAKEN ON APRIL 15, 2016 AND ON DECEMBER 12, 2021 AND AUGMENTED BY AN ON-THE-GROUND SURVEY PERFORMED BY VHB BETWEEN JANUARY AND MARCH, 2022.
3) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS AND INFORMATION OF RECORD. THEY ARE NOT WARRANTED TO BE EXACTLY LOCATED NOR IS IT WARRANTED THAT ALL UNDERGROUND UTILITIES OR OTHER STRUCTURES ARE SHOWN ON THIS PLAN.
4) HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.
5) THE TREE SYMBOL OUTLINE SHOWN ON THIS PLAN DOES NOT REPRESENT THE ACTUAL TREE CANOPY.
6) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY BE SUBJECT TO ADDITIONAL INFORMATION DISCLOSED IN SUCH.

Record Owner

MCLEAN HOSPITAL CORPORATION
115 MILL STREET
BELMONT, MASS.
BOOK 14084, PAGE 272

ZONE 4
ASSESSOR MAP 59 LOT 11

ZONE 5
ASSESSOR MAP 59 LOT 11-7

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COMMONWEALTH OF MASSACHUSETTS
RUSSELL J. BOUSQUET
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PROFESSIONAL ENGINEER

12/13/2024

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REVISIONS

MARK	DATE	DESCRIPTION

VHB PROJECT #: 13555.11

DRAWN BY: NG/SK/OV

SHEET NAME

EXISTING CONDITIONS PLAN

SHEET NUMBER

SV001

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Legend

Exist.	Prop.	
		PROPERTY LINE
		PROJECT LIMIT LINE
		RIGHT-OF-WAY/PROPERTY LINE
		EASEMENT
		BUILDING SETBACK
		PARKING SETBACK
10+00	10+00	BASELINE
		CONSTRUCTION LAYOUT
		ZONING LINE
		TOWN LINE
		LIMIT OF DISTURBANCE
		WETLAND LINE WITH FLAG
		FLOODPLAIN
BLSF		BORDERING LAND SUBJECT TO FLOODING
BZ		WETLAND BUFFER ZONE
NDZ		NO DISTURB ZONE
200'RA		200' RIVERFRONT AREA
		GRAVEL ROAD
EOP	EOP	EDGE OF PAVEMENT
BB	BB	BITUMINOUS BERM
BC	BC	BITUMINOUS CURB
CC	CC	CONCRETE CURB
	CG	CURB AND GUTTER
CC	ECC	EXTRUDED CONCRETE CURB
CC	MCC	MONOLITHIC CONCRETE CURB
CC	PCC	PRECAST CONC. CURB
SGE	SGE	SLOPED GRAN. EDGING
VGC	VGC	VERT. GRAN. CURB
		LIMIT OF CURB TYPE
		SAWCUT
		BUILDING
	EN	BUILDING ENTRANCE
	LD	LOADING DOCK
		BOLLARD
D	D	DUMPSTER PAD
		SIGN
		DOUBLE SIGN
		STEEL GUARDRAIL
		WOOD GUARDRAIL
		PATH
		TREE LINE
		WIRE FENCE
		FENCE
		STOCKADE FENCE
		STONE WALL
		RETAINING WALL
		STREAM / POND / WATER COURSE
		DETENTION BASIN
		HAY BALES
		SILT FENCE
		SILT SOCK / STRAW WATTLE
4	4	MINOR CONTOUR
20	20	MAJOR CONTOUR
10	10	PARKING COUNT
	C10	COMPACT PARKING STALLS
DYL	DYL	DOUBLE YELLOW LINE
SL	SL	STOP LINE
		CROSSWALK
		ACCESSIBLE CURB RAMP
		ACCESSIBLE PARKING
VAN	VAN	VAN-ACCESSIBLE PARKING

Exist.	Prop.	
		CONCRETE
		HEAVY DUTY PAVEMENT
		BUILDINGS
		RIPRAP
		CONSTRUCTION EXIT
27.35 TC×	27.35 TC×	TOP OF CURB ELEVATION
26.85 BC×	26.85 BC×	BOTTOM OF CURB ELEVATION
132.75 ×	132.75 ×	SPOT ELEVATION
45.0 TW 38.5 BW ×	45.0 TW 38.5 BW ×	TOP & BOTTOM OF WALL ELEVATION
		BORING LOCATION
		TEST PIT LOCATION
MW	MW	MONITORING WELL
UD	UD	UNDERDRAIN
12"D	12"D	DRAIN
6"RD	6"RD	ROOF DRAIN
12"S	12"S	SEWER
FM	FM	FORCE MAIN
OHW	OHW	OVERHEAD WIRE
6"W	6"W	WATER
4"FP	4"FP	FIRE PROTECTION
	2"DW	DOMESTIC WATER
3"G	G	GAS
E	E	ELECTRIC
STM	STM	STEAM
T	T	TELEPHONE
FA	FA	FIRE ALARM
CATV	CATV	CABLE TV
		CATCH BASIN CONCENTRIC
		CATCH BASIN ECCENTRIC
		DOUBLE CATCH BASIN CONCENTRIC
		DOUBLE CATCH BASIN ECCENTRIC
		GUTTER INLET
D		DRAIN MANHOLE CONCENTRIC
D		DRAIN MANHOLE ECCENTRIC
TD		TRENCH DRAIN
		PLUG OR CAP
CO	CO	CLEANOUT
		FLARED END SECTION
		HEADWALL
S		SEWER MANHOLE CONCENTRIC
S		SEWER MANHOLE ECCENTRIC
CS	CS	CURB STOP & BOX
WV	WV	WATER VALVE & BOX
TSV	TSV	TAPPING SLEEVE, VALVE & BOX
		FIRE DEPARTMENT CONNECTION
HYD	HYD	FIRE HYDRANT
WM	WM	WATER METER
PIV	PIV	POST INDICATOR VALVE
W	W	WATER WELL
GG	GG	GAS GATE
GM	GM	GAS METER
E	EMH	ELECTRIC MANHOLE
EM	EM	ELECTRIC METER
		LIGHT POLE
T	TMH	TELEPHONE MANHOLE
T	T	TRANSFORMER PAD
		UTILITY POLE
		GUY POLE
		GUY WIRE & ANCHOR
HH	HH	HAND HOLE
PB	PB	PULL BOX
		MATCHLINE

Abbreviations

General

ABAN	ABANDON
ACR	ACCESSIBLE CURB RAMP
ADJ	ADJUST
APPROX	APPROXIMATE
BIT	BITUMINOUS
BS	BOTTOM OF SLOPE
BWLL	BROKEN WHITE LANE LINE
CONC	CONCRETE
DYCL	DOUBLE YELLOW CENTER LINE
EL	ELEVATION
ELEV	ELEVATION
EX	EXISTING
FDN	FOUNDATION
FFE	FIRST FLOOR ELEVATION
GRAN	GRANITE
GTD	GRADE TO DRAIN
LA	LANDSCAPE AREA
LOD	LIMIT OF DISTURBANCE
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PERF	PERFORATED
PROP	PROPOSED
REM	REMOVE
RET	RETAIN
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
SWEL	SOLID WHITE EDGE LINE
SWLL	SOLID WHITE LANE LINE
TS	TOP OF SLOPE
TYP	TYPICAL

Utility

CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
DCB	DOUBLE CATCH BASIN
DMH	DRAIN MANHOLE
CIP	CAST IRON PIPE
COND	CONDUIT
DIP	DUCTILE IRON PIPE
FES	FLARED END SECTION
FM	FORCE MAIN
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
GI	GUTTER INLET
GT	GREASE TRAP
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HH	HANDHOLE
HW	HEADWALL
HYD	HYDRANT
INV	INVERT ELEVATION
I=	INVERT ELEVATION
LP	LIGHT POLE
MES	METAL END SECTION
PIV	POST INDICATOR VALVE
PWW	PAVED WATER WAY
PVC	POLYVINYLCHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
R=	RIM ELEVATION
RIM=	RIM ELEVATION
SMH	SEWER MANHOLE
TSV	TAPPING SLEEVE, VALVE AND BOX
UG	UNDERGROUND
UP	UTILITY POLE

Notes

General

1. CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
3. ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
4. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE SIX INCHES LOAM AND SEED.
5. WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, THE SITE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS REQUIRED UP TO SUBGRADE ELEVATIONS.
6. WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
7. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
8. TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
9. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
10. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
11. CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
12. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
13. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
14. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE NPDES CONSTRUCTION GENERAL PERMIT (CGP) PROGRAM AND EPA JURISDICTION. PRIOR TO THE START OF CONSTRUCTION CONTRACTOR IS TO FILE A CGP NOTICE OF INTENT WITH THE EPA AND PREPARE A STORMWATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE NPDES REGULATIONS. CONTRACTOR SHALL CONFIRM THE OWNER HAS ALSO FILED A NOTICE OF INTENT WITH THE EPA.

Utilities

1. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
3. SET CATCH BASIN RIMS, AND INVERTS OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND UTILITY PLANS.
4. RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:
   A. PAVEMENTS AND CONCRETE SURFACES: FLUSH
   B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
   C. LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
5. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH OWNER AND ARCHITECT.
6. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.
7. UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:
   A. WATER PIPES SHALL BE DUCTILE IRON (DI) PIPE
   B. SANITARY SEWER PIPES SHALL BE SDR-35 POLYVINYL CHLORIDE (PVC) SEWER PIPE
   C. STORM DRAINAGE PIPES SHALL BE HIGH-DENSITY POLYETHYLENE (HDPE)
   D. PIPE INSTALLATION AND MATERIALS SHALL COMPLY WITH THE STATE PLUMBING CODE WHERE APPLICABLE. CONTRACTOR SHALL COORDINATE WITH LOCAL PLUMBING INSPECTOR PRIOR TO BEGINNING WORK.
8. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.
9. CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANY'S REQUIREMENTS.
10. ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4' MIN.) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS AND LOCAL MUNICIPAL STANDARDS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM DIAMETER SHALL BE 5 FEET.

Layout and Materials

1. DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
2. CURB RADII ARE THREE FEET UNLESS OTHERWISE NOTED.
3. CURBING SHALL BE VERTICAL GRANITE (VGC) WITHIN THE SITE UNLESS OTHERWISE INDICATED ON THE PLANS.
4. SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.
5. PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LAND SURVEYOR.
6. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.

Demolition

1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MANMADE SURFACE FEATURES WITHIN THE LIMIT OF WORK INCLUDING BUILDINGS, STRUCTURES, PAVEMENTS, SLABS, CURBING, FENCES, UTILITY POLES, SIGNS, ETC. UNLESS INDICATED OTHERWISE ON THE DRAWINGS. REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS.
2. EXISTING UTILITIES SHALL BE TERMINATED, UNLESS OTHERWISE NOTED, IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES.
3. CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
4 THE DEMOLITION LIMITS DEPICTED IN THE PLANS IS INTENDED TO AID THE CONTRACTOR DURING THE BIDDING AND CONSTRUCTION PROCESS AND IS NOT INTENDED TO DEPICT EACH AND EVERY ELEMENT OF DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE DETAILED SCOPE OF DEMOLITION BEFORE SUBMITTING ITS BID/PROPOSAL TO PERFORM THE WORK AND SHALL MAKE NO CLAIMS AND SEEK NO ADDITIONAL COMPENSATION FOR CHANGED CONDITIONS OR UNFORESEEN OR LATENT SITE CONDITIONS RELATED TO ANY CONDITIONS DISCOVERED DURING EXECUTION OF THE WORK.
5. UNLESS OTHERWISE SPECIFICALLY PROVIDED ON THE PLANS OR IN THE SPECIFICATIONS, THE ENGINEER HAS NOT PREPARED DESIGNS FOR AND SHALL HAVE NO RESPONSIBILITY FOR THE PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF HAZARDOUS MATERIALS, TOXIC WASTES OR POLLUTANTS AT THE PROJECT SITE. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CLAIMS OF LOSS, DAMAGE, EXPENSE, DELAY, INJURY OR DEATH ARISING FROM THE PRESENCE OF HAZARDOUS MATERIAL AND CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ANY CLAIMS MADE IN CONNECTION THEREWITH. MOREOVER, THE ENGINEER SHALL HAVE NO ADMINISTRATIVE OBLIGATIONS OF ANY TYPE WITH REGARD TO ANY CONTRACTOR AMENDMENT INVOLVING THE ISSUES OF PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF ASBESTOS OR OTHER HAZARDOUS MATERIALS.

Erosion Control

1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
2. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS (MINIMUM) OR AS REQUIRED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAINTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.

Existing Conditions Information

1. BASE PLAN: THE PROPERTY LINES SHOWN WERE DETERMINED BY AN ACTUAL FIELD SURVEY CONDUCTED BY VHB AND FROM PLANS OF RECORD. INTERNAL ZONE LINES ARE TAKEN FROM PLANS OF RECORD IDENTIFYING SAID ZONES. THE TOPOGRAPHY AND PHYSICAL FEATURES WERE DEVELOPED FROM A COMBINED EFFORT OF AERIAL PHOTOGRAMMETRIC MAPPING BY EASTERN TOPOGRAPHICS, INC. BASED ON AERIAL PHOTOGRAPHS TAKEN ON APRIL 15, 2016 AND ON DECEMBER 12, 2021 AND AUGMENTED BY AN ON-THE-GROUND SURVEY PERFORMED BY VHB IN JANUARY 2022.
2. TOPOGRAPHY: ELEVATIONS SHOWN ARE BASED ON NGVD 1988 DATUM.
3. GEOTECHNICAL DATA INCLUDING TEST PIT AND BORING LOCATIONS AND ELEVATIONS WERE OBTAINED FROM RESULTS OF SUBSURFACE INVESTIGATIONS AND CONCEPT LEVEL GEOTECHNICAL DESIGN CONSIDERATIONS REPORT BY HALEY & ALDRICH, INC. DATED FEBRUARY 8, 2022.

Document Use

1. THESE PLANS AND CORRESPONDING CADD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE, AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED, WRITTEN CONSENT OF VHB. ANY UNAUTHORIZED USE, REUSE, MODIFICATION OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT SHALL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO VHB.
2. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
3. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.

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COMMONWEALTH OF MASSACHUSETTS
JUSTIN W. MOSCA
CIVIL
No. 49217
REGISTERED PROFESSIONAL ENGINEER
12/13/2024

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

VHB PROJECT #: 13555.11
DRAWN BY: NG/SK/OV

SHEET NAME
Legend and General Notes

SHEET NUMBER
C101

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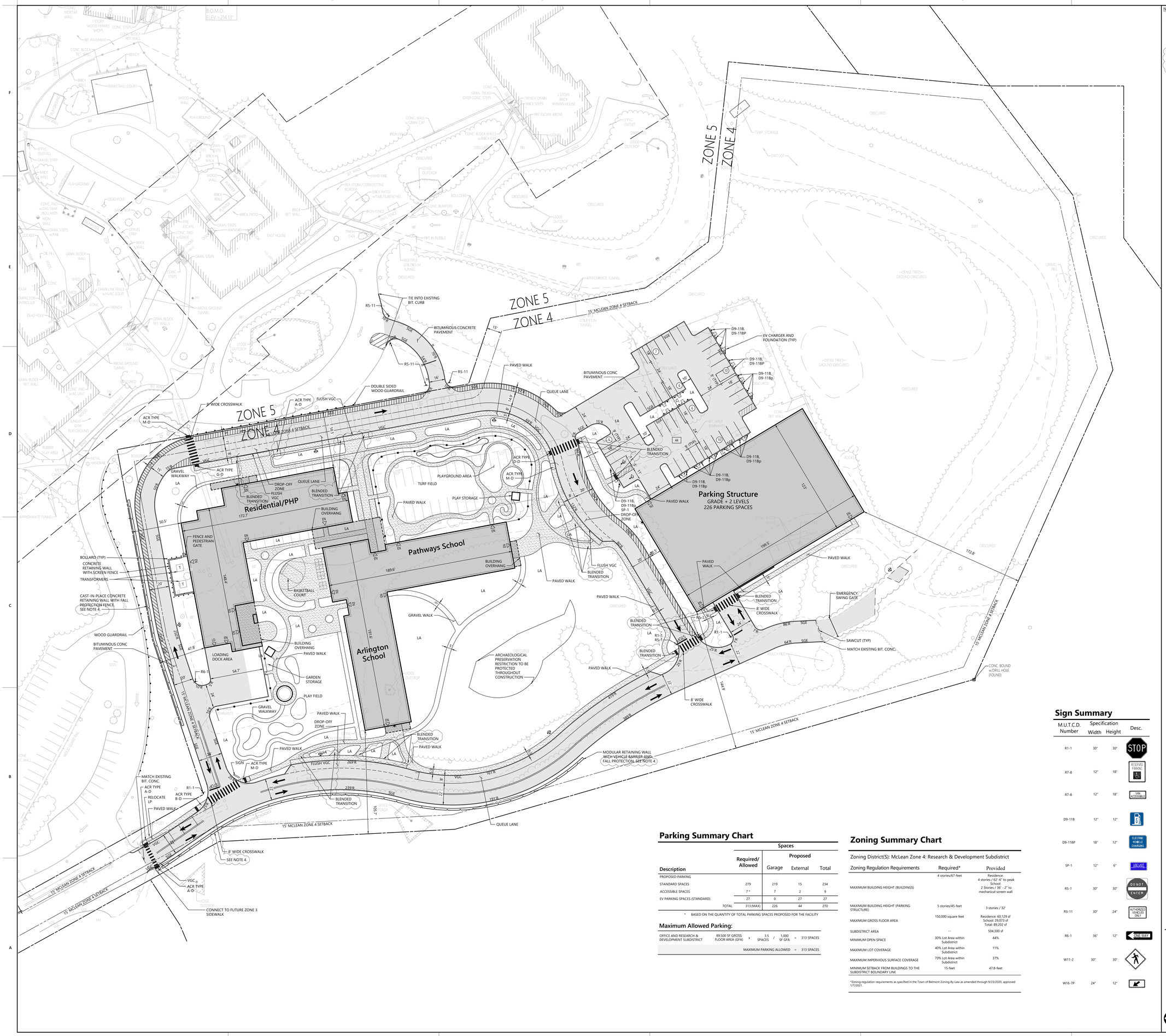

NOTES:

1. REFER TO LANDSCAPE PLANS FOR FOR HARDSCAPE MATERIALS, FENCING, WALLS, AND SURFACE TREATMENTS, INCLUDING LAWNS, PLANTING AREAS, AND PROPOSED VEGETATION.
2. SITE LIGHTING NOT SHOWN. SITE LIGHTING TO BE PROVIDED UNDER SEPARATE COVER.
3. REFER TO SHEETS LG101-LG106 FOR HARDSCAPE MATERIALS AND PEDESTRIAN PAVING TYPES.
4. RETAINING WALL GREATER THAN 4' HEIGHT WITHIN BUILDING SETBACK.

Sign Summary

M.U.T.C.D. Number	Specification Width	Specification Height	Desc.
R1-1	30"	30"	STOP
R7-8	12"	18"	RESERVED PARKING
R7-8	12"	18"	VAN ACCESSIBLE
D9-11B	12"	12"	
D9-11BP	18"	12"	ELECTRIC VEHICLE CHARGING
SP-1	12"	6"	1 HR LIMIT 8AM-6PM
R5-1	30"	30"	DO NOT ENTER
R5-11	30"	24"	AUTHORIZED VEHICLES ONLY
R6-1	36"	12"	ONE-WAY
W11-2	30"	30"	
W16-7P	24"	12"	

Parking Summary Chart

Description	Spaces: Required/ Allowed	Proposed: Garage	Proposed: External	Proposed: Total
PROPOSED PARKING				
STANDARD SPACES	279	219	15	234
ACCESSIBLE SPACES	7 *	7	2	9
EV PARKING SPACES (STANDARD)	27	0	27	27
TOTAL	313 (MAX)	226	44	270

* BASED ON THE QUANTITY OF TOTAL PARKING SPACES PROPOSED FOR THE FACILITY

Maximum Allowed Parking:

OFFICE AND RESEARCH & DEVELOPMENT SUBDISTRICT	89,500 SF GROSS FLOOR AREA (GFA)	x	3.5 SPACES	/ 1,000 SF GFA	=	313 SPACES
			MAXIMUM PARKING ALLOWED		=	313 SPACES

Zoning Summary Chart

Zoning District(S): McLean Zone 4: Research & Development Subdistrict

Zoning Regulation Requirements	Required*	Provided
MAXIMUM BUILDING HEIGHT (BUILDINGS)	4 stories/67-feet	Residence: 4 stories / 62'-4" to peak School: 2 Stories / 36' - 2" to mechanical screen wall
MAXIMUM BUILDING HEIGHT (PARKING STRUCTURE)	5 stories/45-feet	3 stories / 32'
MAXIMUM GROSS FLOOR AREA	150,000 square feet	Residence: 60,129 sf School: 29,073 sf Total: 89,202 sf
SUBDISTRICT AREA	--	504,300 sf
MINIMUM OPEN SPACE	30% Lot Area within Subdistrict	44%
MAXIMUM LOT COVERAGE	40% Lot Area within Subdistrict	11%
MAXIMUM IMPERVIOUS SURFACE COVERAGE	70% Lot Area within Subdistrict	37%
MINIMUM SETBACK FROM BUILDINGS TO THE SUBDISTRICT BOUNDARY LINE	15-feet	47.8-feet

*Zoning regulation requirements as specified in the Town of Belmont Zoning By-Law as amended through 9/23/2020, approved 1/7/2021.

0 15 30 60 Feet

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COMMONWEALTH OF MASSACHUSETTS
JUSTIN W. MOSCA
CIVIL
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3/28/2025

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	3/28/25	PLAN REVISIONS

VHB PROJECT #: 13555.11

DRAWN BY: NG/SK/OV

SHEET NAME

Layout and Materials Plan

SHEET NUMBER

C201

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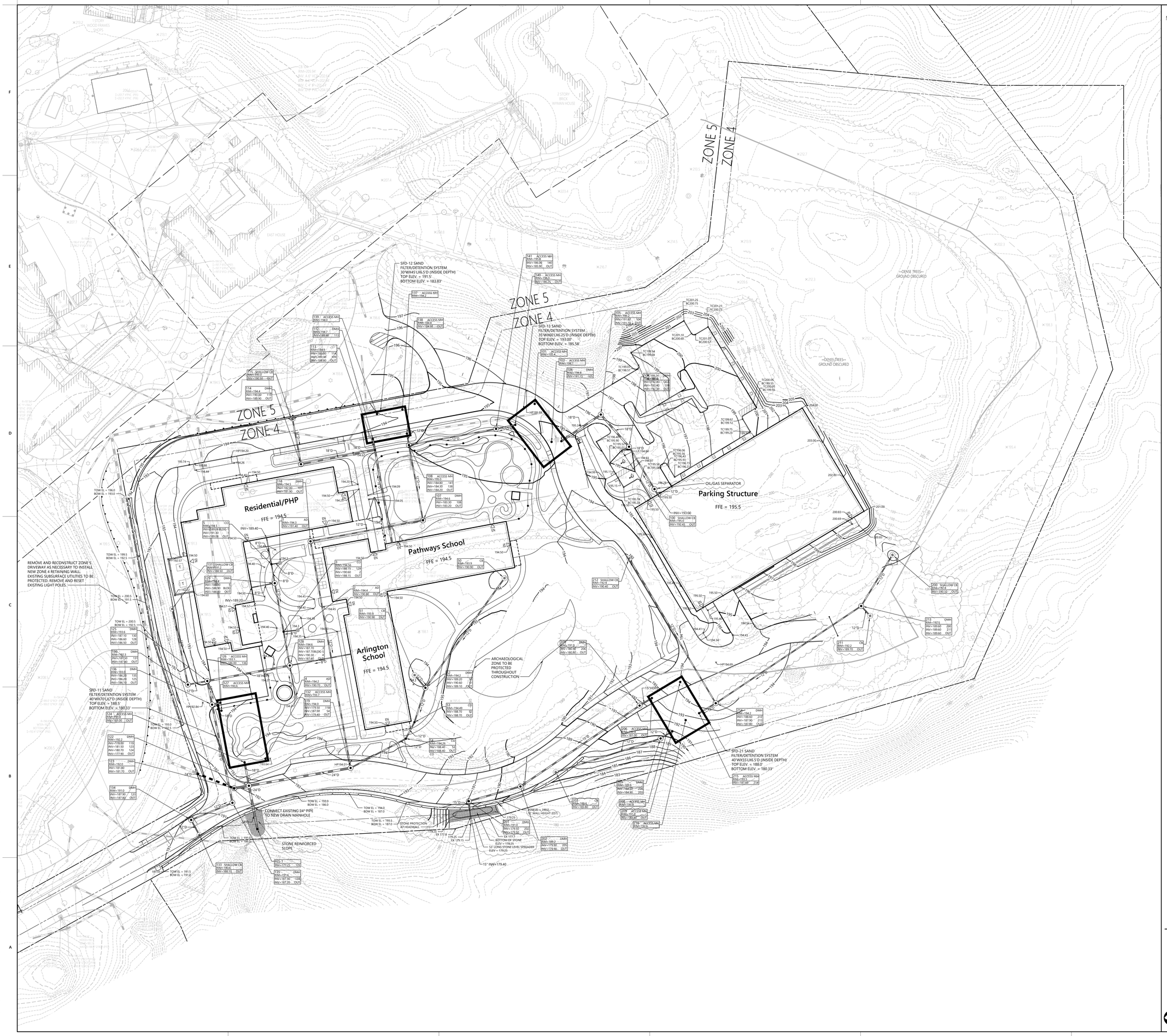

NOTES:

1. ELEVATIONS SHOWN REFER TO NAVD '88 DATUM.
2. REFER TO SHEET C501 FOR EROSION AND SEDIMENTATION CONTROLS.

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REVISIONS

MARK	DATE	DESCRIPTION
1	3/28/25	PLAN REVISIONS

VHB PROJECT #: 13555.11

DRAWN BY: NG/SK/OV

SHEET NAME

Grading and Drainage Plan

SHEET NUMBER

C301

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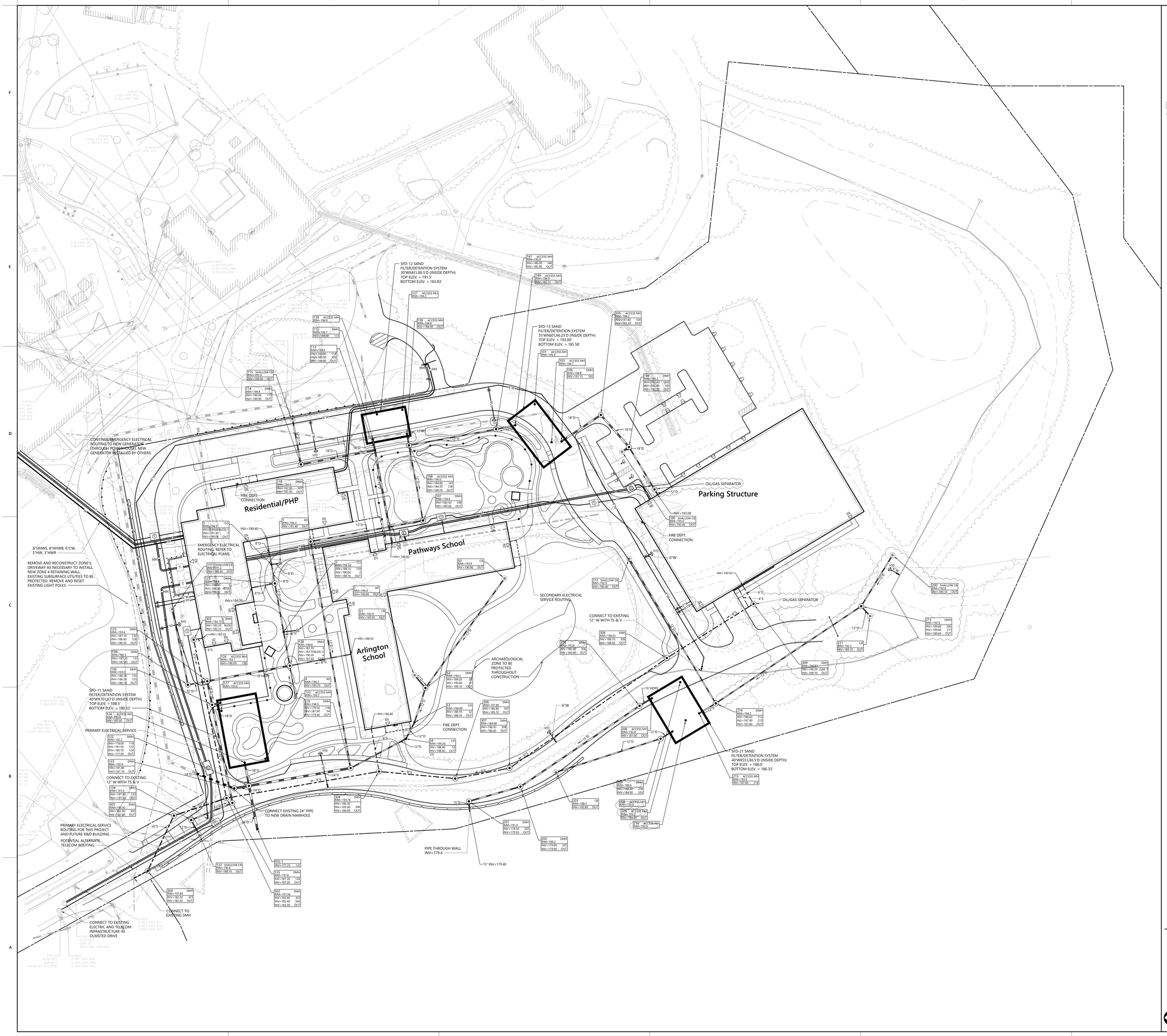

NOTES:

1. ELEVATIONS SHOWN REFER TO NAVD '88 DATUM.
2. ELECTRICAL INFRASTRUCTURE (DUCTBANKS, EQUIPMENT, MANHOLES, ETC.) SHOWN FOR ROUTING COORDINATION ONLY. PROVIDE BOLLARDS AND EQUIPMENT PADS PER UTILITY COMPANY REQUIREMENTS.
3. TELECOMMUNICATIONS INFRASTRUCTURE. (DUCTBANKS, EQUIPMENT, MANHOLES, ETC.) SHOWN FOR ROUTING COORDINATION ONLY.
4. DEDICATED BUILDING SYSTEMS FOR UTILITY WATER SHOW FOR ROUTING COORDINATION ONLY.
5. SITE LIGHTING NOT SHOWN. SITE LIGHTING TO BE PROVIDED UNDER SEPARATE COVER.
6. CONTRACTOR SHALL COORDINATE WITH TOWN OF BELMONT DEPARTMENT OF PUBLIC WORKS AND FIRE DEPARTMENT FOR MUNICIPAL STANDARD REQUIREMENTS FOR SEWER AND WATER UTILITIES.

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MARK	DATE	DESCRIPTION
1	3/28/25	PLAN REVISIONS

VHB PROJECT #: 13555.11

DRAWN BY: NG/SK/OV

SHEET NAME

Utilities Plan

SHEET NUMBER

C401

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THIS PLAN ILLUSTRATES THE MINIMUM PERIMETER EROSION & SEDIMENTATION CONTROLS. THE SWPPP OPERATOR SHALL UPDATE THIS PLAN THROUGHOUT THE DURATION OF CONSTRUCTION TO SHOW THE LOCATIONS OF PROPOSED/CONSTRUCTED E&S CONTROLS DEEMED NECESSARY TO MEET THE REQUIREMENTS OF THE NPDES CGP. ELEVATIONS SHOWN REFER TO NAVD '88 DATUM.

EROSION AND SEDIMENTATION CONTROL TECHNIQUES

THE EROSION AND SEDIMENTATION CONTROLS SHOWN HEREON ARE PERIMETER MEASURES ONLY AND ARE PROVIDED AS A STARTING POINT FOR CONTRACTOR'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR IS REQUIRED TO PROVIDE ADDITIONAL INTERIM EROSION AND SEDIMENTATION CONTROLS, INCLUDING BUT NOT LIMITED TO THOSE LISTED BELOW. THE CONTRACTOR SHALL MANAGE EROSION AND SEDIMENTATION DURING CONSTRUCTION TO PREVENT IMPACTS TO RESOURCE AREAS, ROADWAYS, AND ABUTTING PROPERTIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE EROSION AND SEDIMENTATION CONTROLS THROUGHOUT THE DURATION OF CONSTRUCTION.

CATCH BASIN PROTECTION
NEWLY CONSTRUCTED AND EXISTING CATCH BASINS WILL BE PROTECTED WITH SILT SACKS THROUGHOUT CONSTRUCTION.

GRAVEL AND CONSTRUCTION ENTRANCE/EXIT
A TEMPORARY CRUSHED STONE CONSTRUCTION ENTRANCE/EXIT WILL BE CONSTRUCTED. A CROSS SLOPE WILL BE PLACED IN THE ENTRANCE TO DIRECT RUNOFF TO THE SEDIMENT TRAP. CONTRACTOR TO PROVIDE WASH DOWN FACILITIES AS NECESSARY AT CONSTRUCTION EXIT.

VEGETATIVE SLOPE STABILIZATION
STABILIZATION OF OPEN SOIL SURFACES WILL BE IMPLEMENTED WITHIN 14 DAYS AFTER GRADING OR CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, UNLESS THERE IS SUFFICIENT SNOW COVER TO PROHIBIT IMPLEMENTATION. VEGETATIVE SLOPE STABILIZATION WILL BE USED TO MINIMIZE EROSION ON SLOPES OF 3:1 OR FLATTER. ANNUAL GRASSES, SUCH AS ANNUAL RYE, WILL BE USED TO ENSURE RAPID GERMINATION AND PRODUCTION OF ROOTMASS. PERMANENT STABILIZATION WILL BE COMPLETED WITH THE PLANTING OF PERENNIAL GRASSES OR LEGUMES. ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER MAY BE ESTABLISHED BY HYDRO-SEEDING OR SODDING. A SUITABLE TOPSOIL, GOOD SEEDBED PREPARATION, AND ADEQUATE LIME, FERTILIZER AND WATER WILL BE PROVIDED FOR EFFECTIVE ESTABLISHMENT OF THESE VEGETATIVE STABILIZATION METHODS. MULCH WILL ALSO BE USED AFTER PERMANENT SEEDING TO PROTECT SOIL FROM THE IMPACT OF FALLING RAIN AND TO INCREASE THE CAPACITY OF THE SOIL TO ABSORB WATER.

TEMPORARY SEDIMENT BASINS
TEMPORARY SEDIMENT BASINS WILL BE DESIGNED EITHER AS EXCAVATIONS OR BERMED STORMWATER DETENTION STRUCTURES (DEPENDING ON GRADING) THAT WILL RETAIN RUNOFF FOR A SUFFICIENT PERIOD OF TIME TO ALLOW SUSPENDED SOIL PARTICLES TO SETTLE OUT PRIOR TO DISCHARGE. THESE TEMPORARY BASINS WILL BE LOCATED BASED ON CONSTRUCTION NEEDS AS DETERMINED BY THE CONTRACTOR AND OUTLET DEVICES WILL BE DESIGNED TO CONTROL VELOCITY AND SEDIMENT. POINTS OF DISCHARGE FROM SEDIMENT BASINS WILL BE STABILIZED TO MINIMIZE EROSION. AT A MINIMUM, SEDIMENTATION BASINS SHALL BE DESIGNED AND CONSTRUCTED TO PROVIDE STORAGE FOR THE VOLUME OF RUNOFF GENERATED FROM A 2-YR, 24-HR DESIGN STORM, OR AT LEAST 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINING TO THE BASIN.

STOCKPILE MANAGEMENT
SIDESLOPES OF STOCKPILED MATERIAL SHALL BE NO STEEPER THAN 2:1. STOCKPILES NOT USED WITHIN 30 DAYS NEED TO BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE. STRAW BALES AND SILT FENCE ARE TO BE PLACED AROUND THE STOCKPILE AREA APPROXIMATELY 10 FEET FROM THE TOE OF SLOPE.
DUST CONTROL
TREAT EXPOSED SURFACES TO REDUCE AND CONTROL DUST AS NECESSARY TO COMPLY WITH THE NPDES CGP REQUIREMENTS.

TEMPORARY EROSION AND SEDIMENTATION CONTROL MAINTENANCE (THROUGHOUT CONSTRUCTION)

THE SITE CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A BIWEEKLY BASIS (MINIMUM) OR AS REQUIRED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAINTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS. RECORDS OF THE INSPECTIONS WILL BE PREPARED AND MAINTAINED ON-SITE BY THE CONTRACTOR.

SILT SHALL BE REMOVED FROM BEHIND BARRIERS IF GREATER THAN 6-INCHES DEEP OR AS NEEDED.

DAMAGED OR DETERIORATED ITEMS WILL BE REPAIRED IMMEDIATELY AFTER IDENTIFICATION.

SEDIMENT THAT IS COLLECTED IN STRUCTURES SHALL BE DISPOSED OF PROPERLY AND COVERED IF STORED ON-SITE.

EROSION CONTROL STRUCTURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED EARTH HAS BEEN SECURELY STABILIZED. AFTER REMOVAL OF STRUCTURES, DISTURBED AREAS SHALL BE REGRADED AND STABILIZED AS SOON AS PRACTICAL.

MAINTAIN THE CONSTRUCTION ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENTS ONTO PAVED SURFACES.
DETENTION AREA PROTECTION DURING CONSTRUCTION
FOR THE LONG-TERM FUNCTION OF THE DETENTION BASIN(S)/STRUCTURE(S), CARE SHALL BE TAKEN IN THE DETENTION AREAS DURING CONSTRUCTION THE CONTRACTOR SHALL EMPLOY THE FOLLOWING MINIMUM BEST MANAGEMENT PRACTICES (BMPS):

1. DETENTION AREAS SHALL NOT BE USED AS TEMPORARY CONSTRUCTION SEDIMENTATION BASINS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER. IF DETENTION AREAS ARE USED AS TEMPORARY SEDIMENTATION BASINS DURING CONSTRUCTION, THEN THE SOILS SHALL BE EXCAVATED A MINIMUM OF 2' FROM THE TEMPORARY BASIN BOTTOM TO REMOVE CLOGGED SOILS.
2. STORMWATER RUNOFF FROM EXPOSED SURFACES SHALL BE DIRECTED AWAY FROM THE DETENTION BASIN(S)/STRUCTURE(S) DURING CONSTRUCTION
3. CONSTRUCTION EQUIPMENT, VEHICULAR TRAFFIC, PARKING OF VEHICLES, AND STOCKPILING OF CONSTRUCTION MATERIALS SHALL BE LOCATED OUTSIDE OF THE DETENTION AREAS.
4. EXCAVATION FOR CONSTRUCTION OF THE DETENTION BASIN(S)/STRUCTURE(S) SHALL ENSURE THAT THE SOIL AT THE BOTTOM OF THE EXCAVATION IS NOT COMPACTED OR SMEARED.
5. THE PERIMETER OF THE DETENTION AREAS SHALL BE STAKED AND FLAGGED TO PREVENT THE USE OF THE AREA FOR ACTIVITIES THAT MIGHT DAMAGE THE DETENTION ABILITY OF THE SYSTEM.

0 15 30 60 Feet

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NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	3/28/25	PLAN REVISIONS

VHB PROJECT #: 13555.11

DRAWN BY: NG/SK/OV

SHEET NAME
Erosion Control Plan

SHEET NUMBER
C501

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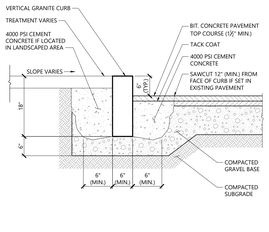
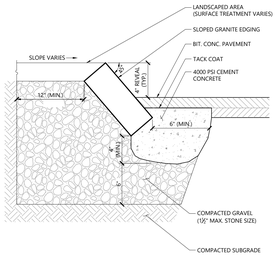


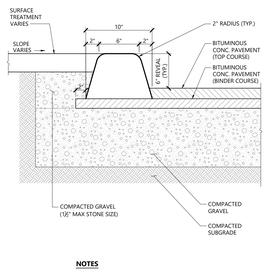
Vertical Granite Curb (VGC) 3/20

N.T.S. Source: VHB LD_402



Sloped Granite Edging (SGE) 12/20

N.T.S. Source: VHB LD_401

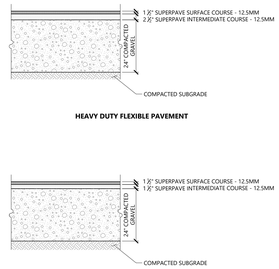


NOTES

ALL CURBING TO BE MACHINE EXTRUDED

Bituminous Curb (BC) 1/16

N.T.S. Source: VHB LD_406

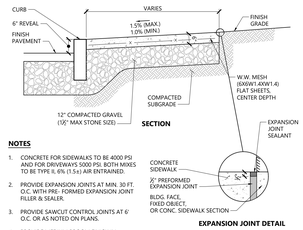


NOTES

PAVEMENT SECTIONS ARE SUBJECT TO CHANGE AND WILL BE BASED ON THE RESULTS OF FURTHER GEOTECHNICAL INVESTIGATIONS.

Bituminous Concrete Pavement Sections 6/23

N.T.S. Source: VHB REV LD_430

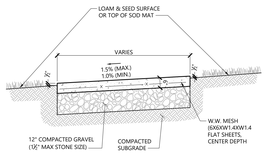


NOTES

1. CONCRETE FOR SIDEWALKS TO BE 4000 PSI AND FOR DRIVEWAYS 5000 PSI. BOTH MIXES TO BE TYPE II, 6% (1.5±) AIR ENTRAINED.
2. PROVIDE EXPANSION JOINTS AT MIN. 30 FT. O.C. WITH PRE- FORMED EXPANSION JOINT FILLER & SEALER.
3. PROVIDE SAWCUT CONTROL JOINTS AT 6' O.C. OR AS NOTED ON PLANS.
4. PROVIDE MEDIUM BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
5. ALL EXPOSED CONCRETE SURFACES SHALL BE SEALED WITH A SILANE-SILOXANE PRODUCT.

Concrete Sidewalk 3/20

N.T.S. Source: VHB REV LD_420

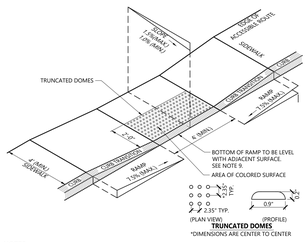


NOTES

1. CONCRETE FOR SIDEWALKS TO BE 4000 PSI AND FOR DRIVEWAYS 5000 PSI. BOTH MIXES TO BE TYPE II, 6% (1.5±) AIR ENTRAINED.
2. PROVIDE EXPANSION JOINTS AT MIN. 30 FT. O.C. WITH PRE- FORMED EXPANSION JOINT FILLER & SEALER.
3. PROVIDE SAWCUT CONTROL JOINTS AT 6' O.C. OR AS NOTED ON PLANS.
4. PROVIDE MEDIUM BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
5. ALL EXPOSED CONCRETE SURFACES SHALL BE SEALED WITH A SILANE-SILOXANE PRODUCT.

Concrete Sidewalk in Landscape Area 3/21

N.T.S. Source: VHB REV LD_426

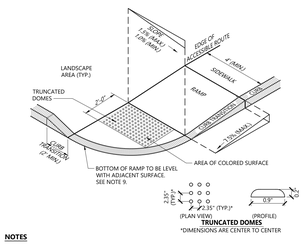


NOTES

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB, AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING AT RAMP (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAY.
10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO ACCESSIBLE ROUTE.

Accessible Curb Ramp (ACR) Type 'A-D' 12/20

N.T.S. Source: VHB LD_500

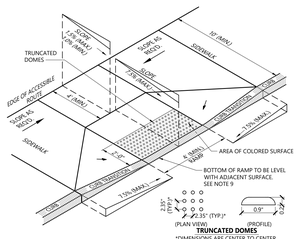


NOTES

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING AT RAMP WHERE IT ABUTS ROADWAY, EXCEPT WHERE VERTICAL CURBING IS INDICATED ON THE DRAWINGS TO BE INSTALLED AND SET FLUSH.
10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.
12. CONTRACTOR TO SUBMIT R.F.I. FOR THIS TYPE OF ACCESSIBLE CURB RAMP FOR APEX ROADWAY CROSSINGS.

Accessible Curb Ramp (ACR) - Type 'B-D' 12/20

N.T.S. Source: VHB LD_501

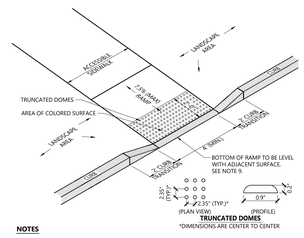


NOTES

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING AT RAMP WHERE IT ABUTS ROADWAY, EXCEPT WHERE VERTICAL CURBING IS INDICATED ON THE DRAWINGS TO BE INSTALLED AND SET FLUSH.
10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.

Accessible Curb Ramp (ACR) Type 'D-D' 12/20

N.T.S. Source: VHB LD_503

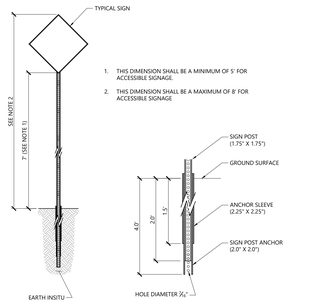


NOTES

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAYS.
10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.

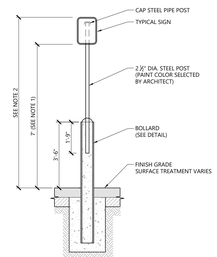
Accessible Curb Ramp (ACR) Type 'M-D' 12/20

N.T.S. Source: VHB LD_512



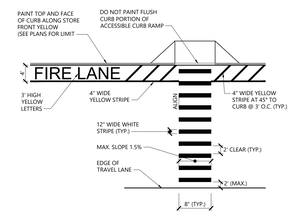
Sign Post - Type 'B' 3/19

N.T.S. Source: VHB LD_702



Bollard Mounted Sign 2/20

N.T.S. Source: VHB LD_703

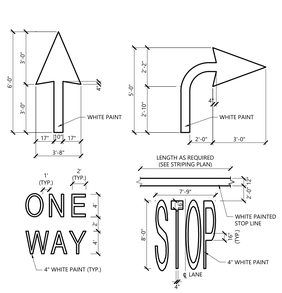


NOTES

1. TWELVE INCH (12") LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6 INCH LINES) WILL BE ACCEPTED.
2. LONGITUDINAL CROSSWALK LINES TO BE PARALLEL TO CURBLINE.
3. LONGITUDINAL CROSSWALK LINES TO BE THE SAME LENGTH AND PROPERLY ALIGNED.
4. CROSS WALK SIDESLOPE SHALL NOT EXCEED 1.5%.
5. THE WORDS "NO PARKING FIRE LANE" SHALL BE PAINTED ON THE PAVEMENT IN 3' HIGH LETTERS IN 3 LOCATIONS ALONG THE FRONT DRIVE AISLE ADJACENT TO THE FRONT SIDEWALK (SPACED 150' O.C.).
6. STRIPED PEDESTRIAN CROSSWALKS SHALL BE LOCATED AT THE FRONT DRIVE AISLE FROM THE FRONT SIDEWALK TO THE ACCESSIBLE PARKING SPACES.

Crosswalk and Fire Lane Striping 12/19

N.T.S. Source: VHB LD_556A

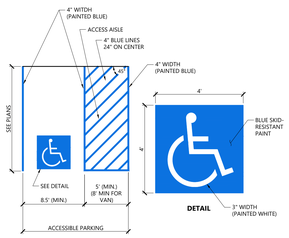


NOTES

1. PAVEMENT MARKINGS TO BE INSTALLED FOR ON SITE WORK IN LOCATIONS SHOWN.

Painted Pavement Markings - On Site 1/16

N.T.S. Source: VHB LD_554

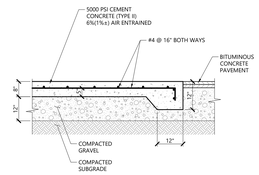


NOTES

1. ALL DIMENSIONS TO CENTER OF 4" PAVEMENT STRIPING.
2. ALL SLOPES THROUGHOUT THE ACCESSIBLE PARKING AND AISLE AREAS SHALL NOT EXCEED 1.5%.

Accessible Parking Space 12/19

N.T.S. Source: VHB LD_552B

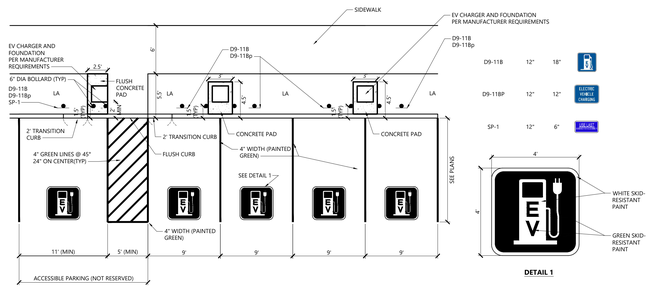


NOTES

1. SIZE OF PAD TO BE AS INDICATED ON PLANS.
2. CONSTRUCTION JOINTS SHALL BE SPACED NO MORE THAN 30 FEET ON CENTER AND SHALL BE EQUALLY SPACED OVER THE LENGTH AND WIDTH OF THE PAD.

Loading Dock Pad / Compactor Pad 1/20

N.T.S. Source: VHB LD_711

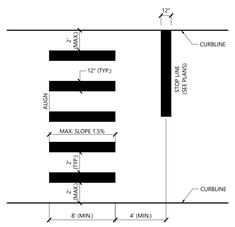


NOTES

1. ALL DIMENSION TO CENTER OF STRIPING.
2. ALL SLOPES THROUGH OUT THE ACCESSIBLE PARKING AND AISLE SHALL NOT EXCEED 1.5%

ELECTRIC VEHICLE CHARGING SPACES ADJACENT TO LANDSCAPE W/ OFFSET SIDEWALK (1 ACCESSIBLE SPACE) 02/24

N.T.S. Source: VHB REV LD_770

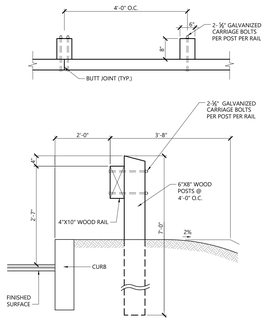


NOTES

1. TWELVE INCH (12") LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6 INCH LINES) WILL BE ACCEPTED.
2. LONGITUDINAL CROSSWALK LINES TO BE PARALLEL TO CURBLINE.
3. ALL LONGITUDINAL CROSSWALK LINES SHALL BE THE SAME LENGTH AND PROPERLY ALIGNED.
4. CROSS WALK SIDESLOPE SHALL NOT EXCEED 1.5%.

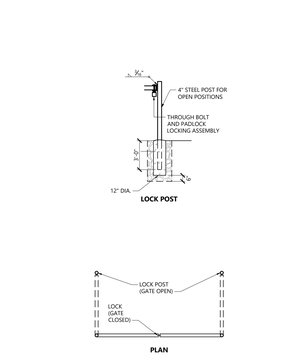
Crosswalk 12/19

N.T.S. Source: VHB LD_553A



Wood Guardrail 10/20

N.T.S. Source: VHB REV LD_450

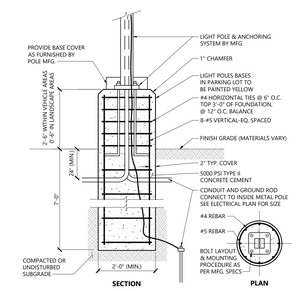


NOTES

1. SHOP PRIME PAINT EXPOSED SURFACES FIELD PAINT EPOXY ENAMEL-YELLOW.
2. PROVIDE "MASTER" PADLOCK WITH 6 WORKING KEYS.
3. 3,000 PSI CONCRETE FOOTING

Emergency Gate (Double) 2/20

N.T.S. Source: VHB LD_486

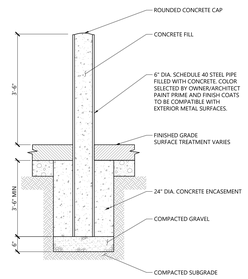


NOTES

LIGHT POLE FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON FINAL POLE AND FIXTURE SELECTION AND GEOTECHNICAL SITE INVESTIGATION.

Light Pole Foundation Detail (Up to 40' Pole) 5/23

N.T.S. Source: VHB LD_310



Bollard 12/19

N.T.S. Source: VHB LD_700

NOTES:

1. REFER TO LANDSCAPE PLANS "CONSTRUCTION SCHEDULE AND NOTES." SEE SHEET LG100.

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99 HIGH STREET
BOSTON, MA 02110

STRUCTURAL ENGINEER:
MCNAMARA SALVIA
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617-737-0040

MEP:
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60 STATE ST, BOSTON, MA 02109
617-864-2987

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1 BOWDOIN SQUARE, SUITE 801
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857-233-5171

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719-408-8847

COMMONWEALTH OF MASSACHUSETTS
JUSTIN W. MOSCA
CIVIL
No. 49217
REGISTERED PROFESSIONAL ENGINEER
3/28/2025

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	3/28/25	PLAN REVISIONS

VHB PROJECT #: 13555.11

DRAWN BY: NG/SK/OV

SHEET NAME

SITE DETAILS

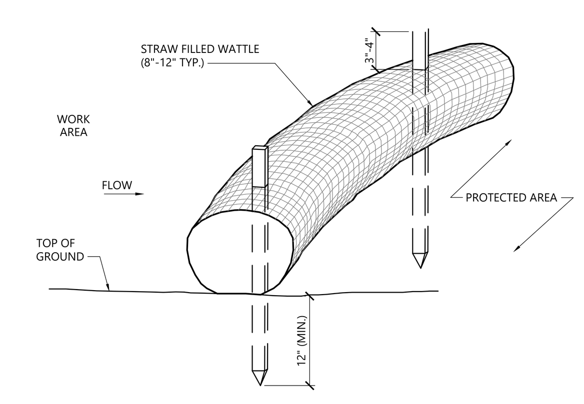
SHEET NUMBER

C601

\\vhb.com\gbl\proj\Wat-LDI\13555.11 McLean CAC\cad\dt\Planset\13555.11-DT.dwg

NOTES:

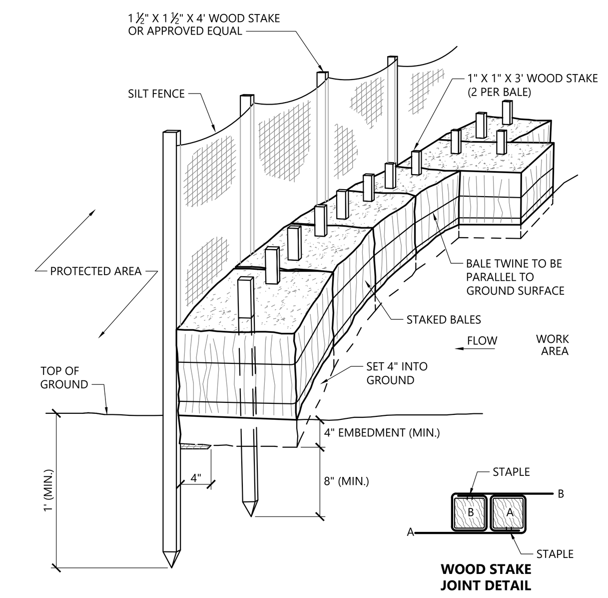
1. REFER TO LANDSCAPE PLANS "CONSTRUCTION SCHEDULE AND NOTES," SEE SHEET LG100.



NOTES

1. STRAW WATTLE SHALL BE AS MANUFACTURED BY EARTHSAVER OR APPROVED EQUAL.
2. STRAW WATTLES SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. STRAW WATTLE SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. TEMPORARY STRAW WATTLES TO BE REMOVED BY CONTRACTOR. ALL OTHERS TO REMAIN IN PLACE UNLESS DIRECTED OTHERWISE BY ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

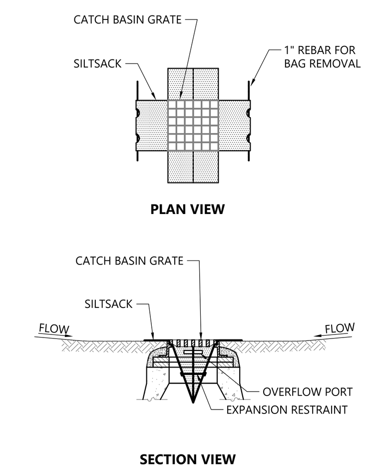
Straw Wattle - Erosion Control Barrier
1/20
N.T.S. Source: VHB REV LD_659



NOTES

PLACE ONE BALE PERPENDICULAR ALONG BALE BARRIER (100' O.C.).

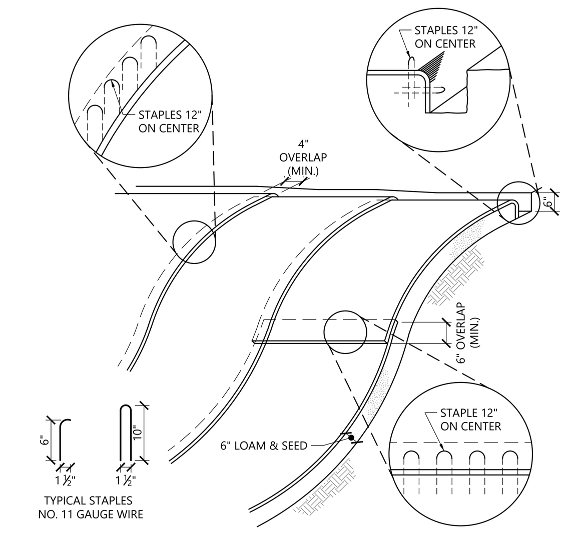
Silt Fence / Straw Bale Barrier (Embedded)
1/16
N.T.S. Source: VHB REV LD_656



NOTES

1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND STRAW BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILTSACK.
3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

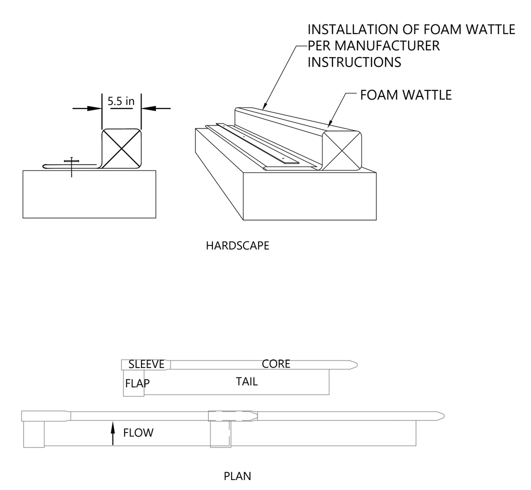
Siltsack Sediment Trap
1/20
N.T.S. Source: VHB REV LD_674



NOTES

1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE UPPER BLANKET END OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.
5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 3:1.

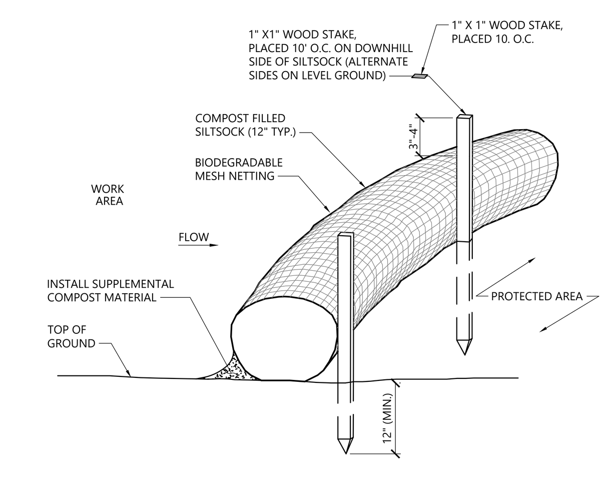
Erosion Control Blanket Slope Installation
10/20
N.T.S. Source: VHB REV LD_680



NOTES

1. FOAM WATTLE SHALL BE MANUFACTURED BY HEAVYWEIGHT SEDIMENT CONTROL SOLUTIONS OR APPROVED EQUAL.
2. FOAM WATTLE SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
3. FOAM WATTLE SHALL ONLY BE PLACED ACROSS SIDEWALKS/WALKWAYS WHEN THEY ARE CLOSED TO PEDESTRIANS.
4. TO BE INSTALLED BY CONTRACTOR PER MANUFACTURER INSTRUCTIONS.
5. TRENCH ALONGSIDE DURAWATTLE TO BE DUG 6 INCHES WIDE AND 3 INCHES DEEP TO SECURE PIN.
6. ENTRENCHMENT WITHIN EXISTING SUBSTRATE PER MANUFACTURER.

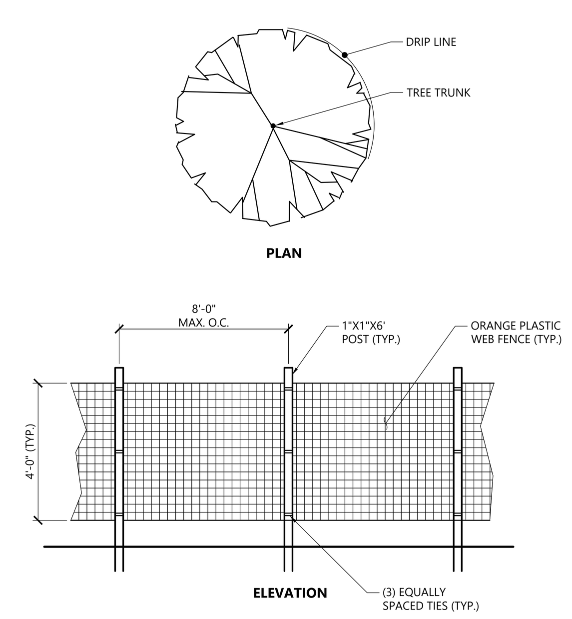
Durawattle - Erosion Control Barrier (Pavement)
N.T.S. Source: VHB



NOTES

1. SILTSOCK SHALL BE FILTREXX SILTSOXX, OR APPROVED EQUAL.
2. SILTSOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. SILTSOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. UPON SITE STABILIZATION, COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

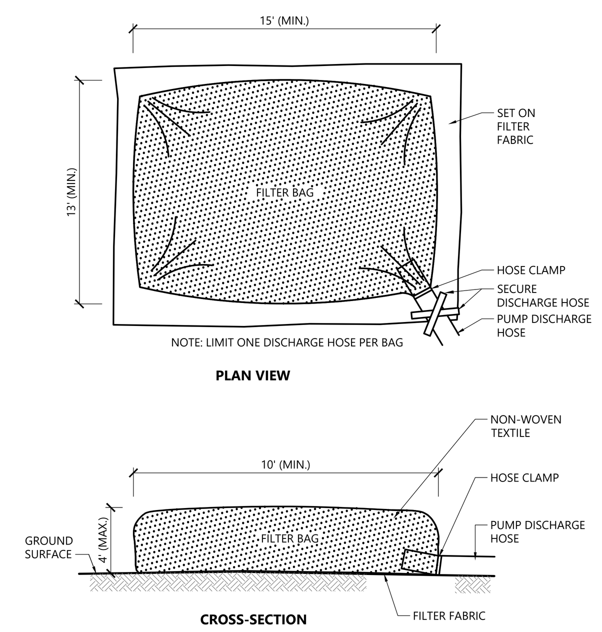
Siltsock - Erosion Control Barrier
10/20
N.T.S. Source: VHB REV LD_658



NOTES

1. INSTALL TREE PROTECTION FENCE AT THE DRIP LINE OF EXISTING TREES TO REMAIN.

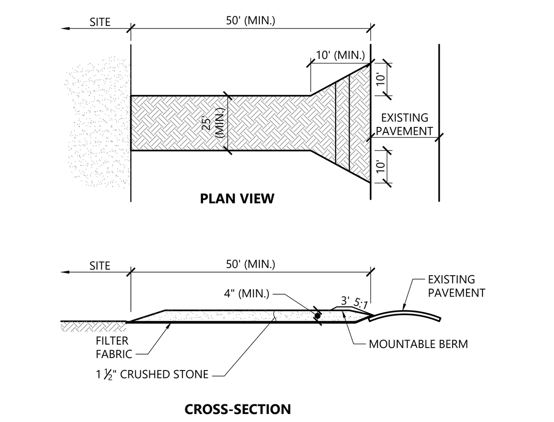
Tree Protection Fence
1/16
N.T.S. Source: VHB REV LD_610



NOTES

1. BAG TO BE USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

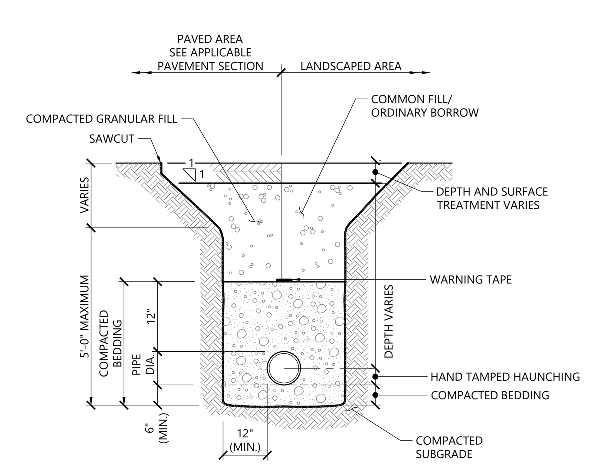
Dewatering Filter Bag
1/16
N.T.S. Source: VHB REV LD_691



NOTES

1. EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

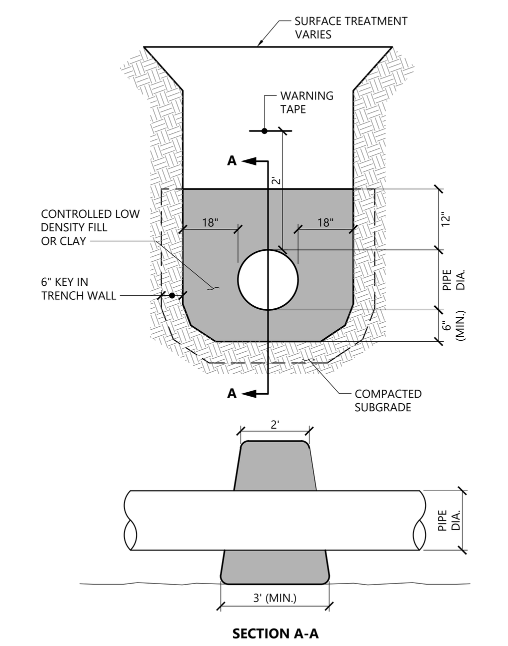
Stabilized Construction Exit
1/16
N.T.S. Source: VHB REV LD_682



NOTES

1. WHERE UTILITY TRENCHES ARE CONSTRUCTED THROUGH DETENTION BASIN BERMS OR OTHER SUCH SPECIAL SECTIONS, PLACE TRENCH BACKFILL WITH MATERIALS SIMILAR TO THE SPECIAL SECTION REQUIREMENTS.
2. USE METALLIC TRACING/WARNING TAPE OVER ALL PIPES.
3. COMPACTED GRANULAR FILL MAY CONSIST OF GRAVEL, CRUSHED STONE, SAND, OR OTHER MATERIAL AS APPROVED BY ENGINEER.

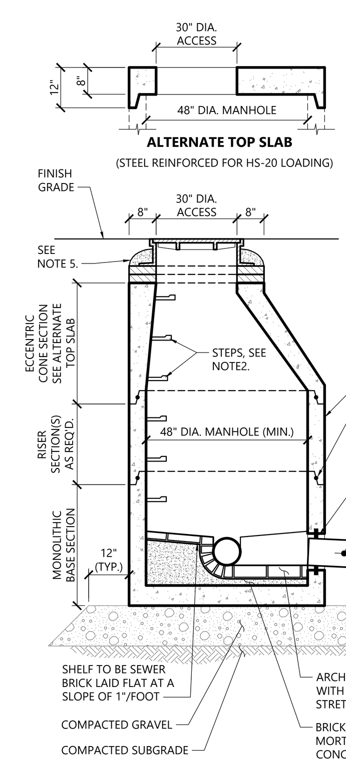
Utility Trench
11/19
N.T.S. Source: VHB LD_300



NOTES

ANTI-SEEPAGE COLLAR TO BE INSTALLED AT 100' MAX. SPACING ALONG ALL PIPING SYSTEMS.

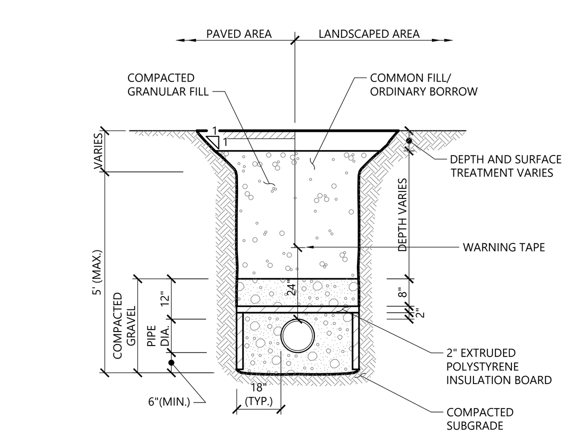
Anti-Seepage Collar
11/19
N.T.S. Source: VHB LD_301



NOTES

1. STRUCTURES SHALL BE PRECAST CONCRETE, DESIGNED FOR HS-20 LOADING.
2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
3. EXTERIOR SURFACES SHALL BE GIVEN TWO COATS OF BITUMINOUS WATER-PROOFING MATERIAL.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
5. STANDARD SEWER MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH SEWER BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM)

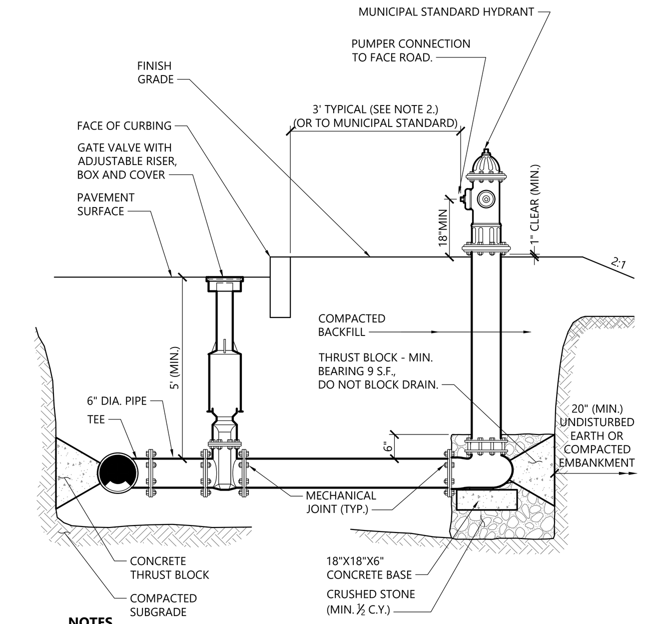
Sanitary Sewer Manhole (SMH)
1/16
N.T.S. Source: VHB LD_200



NOTES

1. SEWER LINE SHALL BE INSULATED WHEN COVER IS LESS THAN FOUR (4) FEET AND WHERE SHOWN ON PLANS.
2. WATER LINE SHALL BE INSULATED WHEN COVER IS LESS THAN FIVE (5) FEET AND WHERE SHOWN ON PLANS.
3. BACKFILL PLACED IN UTILITY TRENCHES INCLUDING DISTURBED AREAS SURROUNDING UTILITY TRENCHES SHALL BE PLACED AND COMPACTED IN 12" (MAX.) VERTICAL LIFTS.

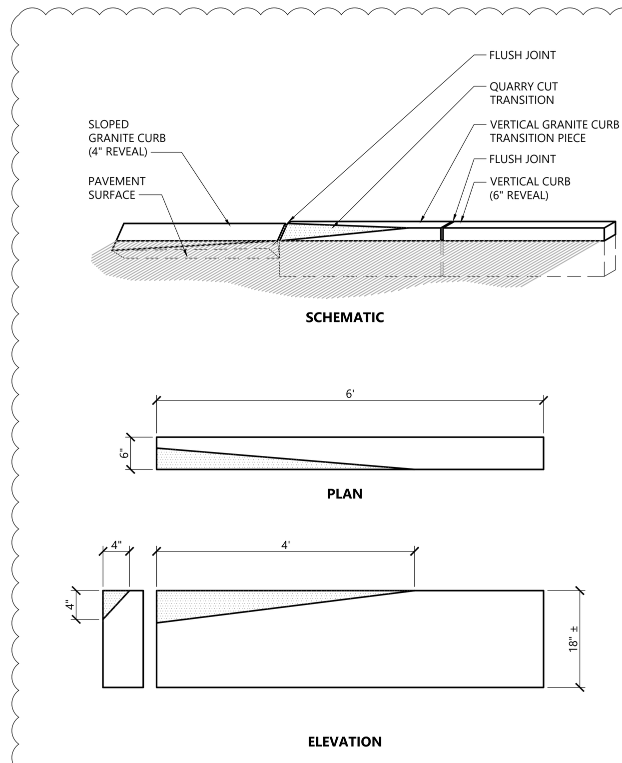
Utility - Pipe Insulation
12/19
N.T.S. Source: VHB LD_305



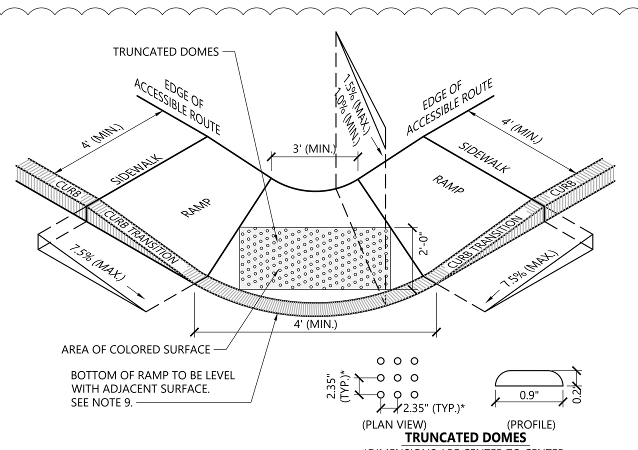
NOTES

1. CONCRETE THRUST BLOCKS TO BE USED ONLY WHERE THEY CAN BEAR ON UNDISTURBED EARTH AS SHOWN. USE CLAMPS AND TIE RODS OR OTHER ACCEPTABLE METHOD OF JOINT RESTRAINT WHERE SOIL CONDITIONS PROHIBIT THE USE OF THRUST BLOCKS.
2. HYDRANT IN SIDEWALK AREAS TO BE LOCATED TO PROVIDE MINIMUM CLEAR SIDEWALK PASSAGE WIDTH OF 3 FEET AT HYDRANT.
3. A 36-INCH CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT UNLESS OTHERWISE APPROVED BY AUTHORITY HAVING JURISDICTION.

Hydrant Construction
12/19
N.T.S. Source: VHB LD_250



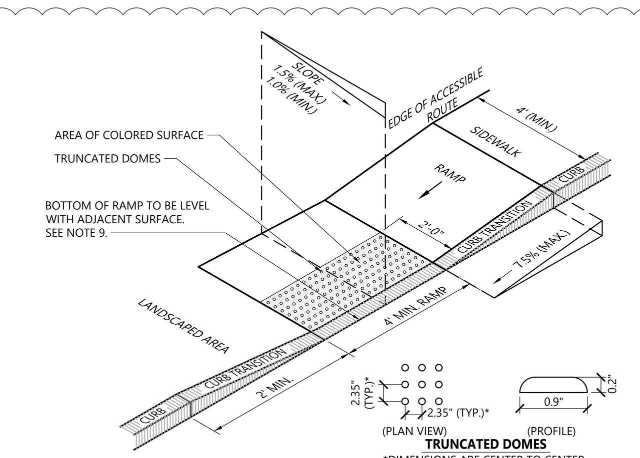
Vertical Granite Curb (VGC) Transition
1/16
N.T.S. Source: VHB LD_415



NOTES

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING AT RAMP WHERE IT ABUTS ROADWAY, EXCEPT WHERE VERTICAL CURBING IS INDICATED ON THE DRAWINGS TO BE INSTALLED AND SET FLUSH.
10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.
12. CONTRACTOR TO SUBMIT R.F.I. FOR THIS TYPE OF ACCESSIBLE CURB RAMP FOR APEX ROADWAY CROSSINGS.

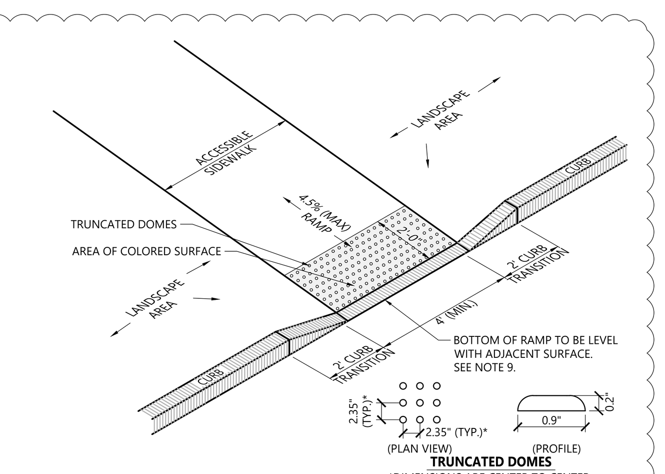
Accessible Curb Ramp (ACR) Type 'C-D'
12/20
N.T.S. Source: VHB LD_502



NOTES

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING AT RAMP WHERE IT ABUTS ROADWAY, EXCEPT WHERE VERTICAL CURBING IS INDICATED ON THE DRAWINGS TO BE INSTALLED AND SET FLUSH.
10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.
12. CONTRACTOR TO SUBMIT R.F.I. FOR THIS TYPE OF ACCESSIBLE CURB RAMP FOR APEX ROADWAY CROSSINGS.

Accessible Curb Ramp (ACR) Type 'G-D'
12/20
N.T.S. Source: VHB LD_506



NOTES

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAYS.
10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.

Blended Transition
N.T.S. Source: VHB REV

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ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	3/28/25	PLAN REVISIONS

VHB PROJECT #: 13555.11

DRAWN BY: NG/SK/OV

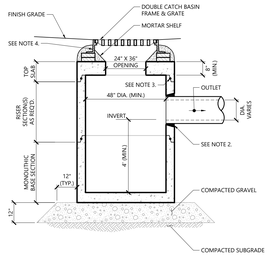
SHEET NAME

SITE DETAILS

SHEET NUMBER

C602

\\vhb.com\gbl\proj\Wat-LD\13555.11 McLean CAC\cad\ld\Planset\13555.11-DT.dwg



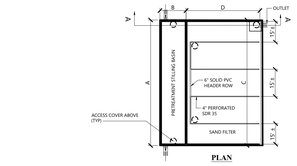
NOTES

1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
2. FOR HDPE, PVC, AND DI PIPE, PROVIDE FLEXIBLE BOOT CONNECTION INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. FOR RCP, PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE AND MORTAR CONNECTIONS.
3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.
4. DOUBLE CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICKS TYPICALLY; 5 BRICK COURSES MAXIMUM)

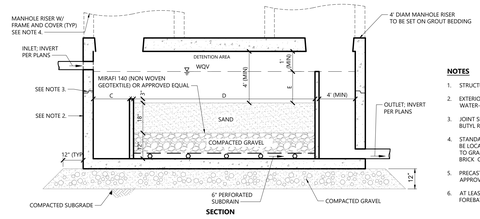
Double Grate Catch Basin (DCB)

11/19

N.T.S. Source: VHB LD_102



SYSTEM DIMENSIONS								
	STILLING BASIN AREA			SAND FILTER MEDIA AREA			SYSTEM INVERT (S)	INTERIOR SYSTEM HEIGHT (FT) (I)
SAND FILTER	A (FT)	B (FT)	MIN AREA (SF)	C (FT)	D (FT)	MIN AREA (SF)		
SF-11	38	15	570	38	53	2,014	181.0	7.0
SF-12	28	13	364	28	30	840	184.5	6.5
SF-13	33	14	462	33	44	1,452	186.3	6.3
SF-21	38	11	418	38	42	1,596	181.0	6.5



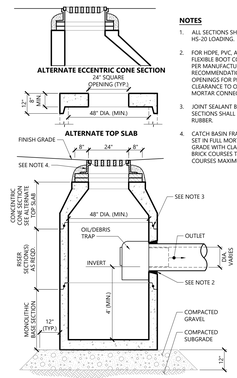
NOTES

1. STRUCTURE SHALL BE DESIGNED FOR HS-20 LOADING.
2. EXTERIOR SURFACES SHALL BE GIVEN TWO COATS OF BITUMINOUS WATER-PROOFING MATERIAL.
3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
4. STANDARD 24-INCH DRAINAGE MANHOLE FRAME AND COVER SHALL BE LOCATED OVER CROSSES AND SET IN FULL MORTAR BED. ADJUST TO GRADE WITH BRICK AND MORTAR (2 BRICK COURSES TYPICALLY; 5 BRICK COURSES MAXIMUM)
5. PRECAST SECTIONS SHALL BE STORMTRAP DOUBLE TRAP SYSTEMS OR APPROVED EQUAL.
6. AT LEAST ONE ACCESS MANHOLE SHALL BE LOCATED OVER FOREBAY/SETTLING BASIN, SAND FILTER AND OUTLET.

Subsurface Sand Filter

11/24

N.T.S. Source: VHB LD_152



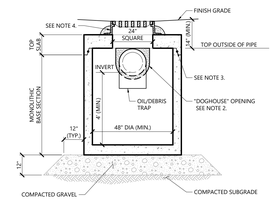
NOTES

1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
2. FOR HDPE, PVC, AND DI PIPE, PROVIDE FLEXIBLE BOOT CONNECTION INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. FOR RCP, PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE AND MORTAR CONNECTIONS.
3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
4. CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY; 5 BRICK COURSES MAXIMUM).

Catch Basin (CB) With Oil/Debris Trap

3/21

N.T.S. Source: VHB LD_101



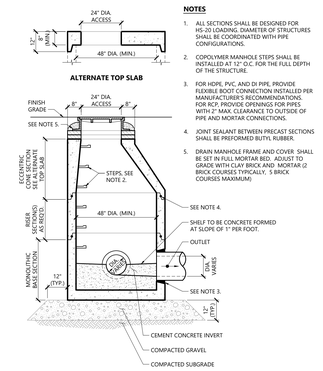
NOTES

1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
2. PROVIDE DOGHOUSE OPENING FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. TOP SLAB SHALL NOT REST DIRECTLY ON PIPE. GROUT ALL PIPE CONNECTIONS (NON-SHRINK GROUT).
3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
4. CATCH BASIN FRAME AND GRATE (4"DEPTH) SHALL BE SET IN FULL MORTAR BED.
5. ADJUST TO FINISH GRADE WITH CLAY BRICK AND MORTAR AS REQUIRED.

Catch Basin (CB) Shallow Cover with Oil/Debris Trap

1/16

N.T.S. Source: VHB LD_105



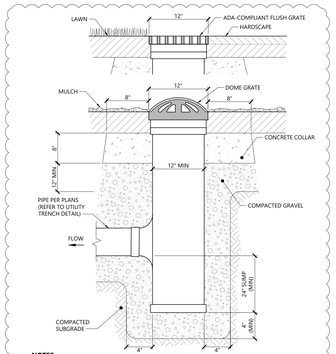
NOTES

1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING. DIAMETER OF STRUCTURES SHALL BE COORDINATED WITH PIPE CONFIGURATIONS.
2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
3. FOR HDPE, PVC, AND DI PIPE, PROVIDE FLEXIBLE BOOT CONNECTION INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. FOR RCP, PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE AND MORTAR CONNECTIONS.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
5. DRAIN MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY; 5 BRICK COURSES MAXIMUM)

Drain Manhole (DMH)

11/19

N.T.S. Source: VHB LD_115



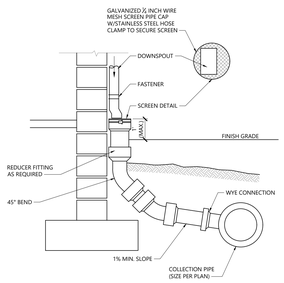
NOTES:

1. AREA DRAINS SHALL BE NYLOPLAST 12" DIAMETER DRAIN BASIN, OR APPROVED EQUAL.
2. GRATES SHALL BE NYLOPLAST 12" PEDESTRIAN MODEL 1299CGP OR 12" DOME GRATE MODEL 1299CGD (OR APPROVED EQUAL).

Area Drain (AD) Type 1

12/19

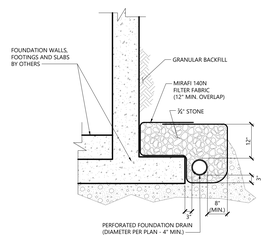
N.T.S. Source: VHB LD_193



Downspout Rain Leader

1/16

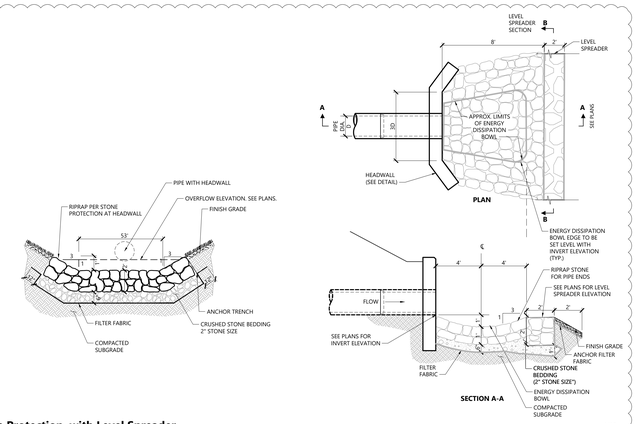
N.T.S. Source: VHB REV LD_195



Foundation Drain

1/16

N.T.S. Source: VHB LD_196



Stone Protection with Level Spreader

1/16

N.T.S. Source: VHB REV LD_133

NOTES:

1. REFER TO LANDSCAPE PLANS "CONSTRUCTION SCHEDULE AND NOTES." SEE SHEET LG100.

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MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	3/28/25	PLAN REVISIONS

VHB PROJECT #: 13555.11

DRAWN BY: NG/SK/OV

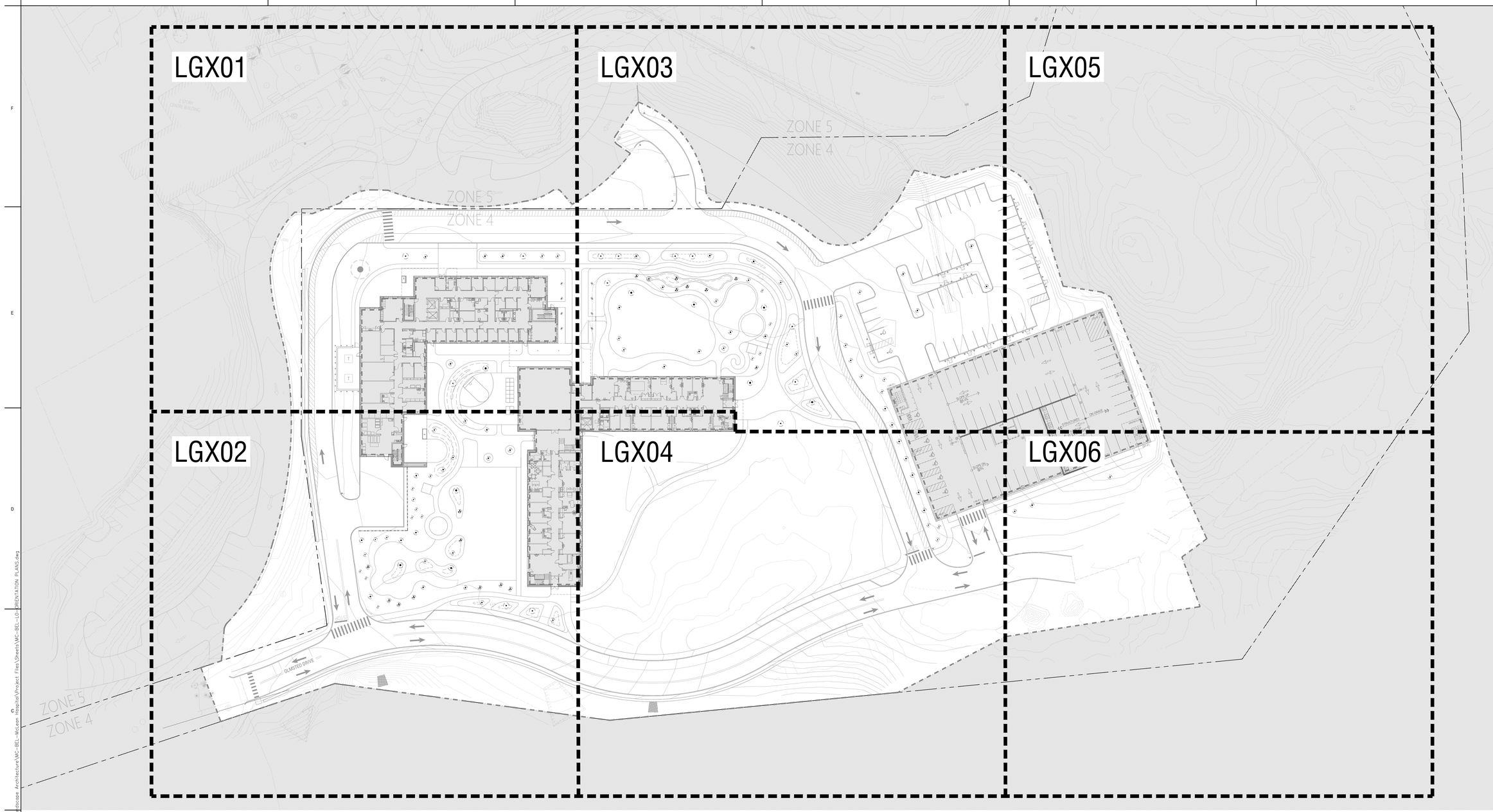
SHEET NAME

SITE DETAILS

SHEET NUMBER

C603

\\vhb.com\gbl\proj\Wat-LDI\13555.11 McLean CAC\cad\dt\Planset\13555.11-DT.dwg



GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH AND TO LOCATE ALL EXISTING SITE CONDITIONS AND UNDERGROUND UTILITIES, PIPES, AND OTHER SUBSTRUCTURES,AND TO PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR, BODILY INJURY OR REPLACEMENT OF SAID SUBSTRUCTURES INCLUDING DAMAGE OF THE OWNER'S PROPERTY SHALL BE BORN BY THE CONTRACTOR. THE CONTRACTOR SHALL HAND DIG FOOTINGS, TREE WELLS, PLANTING BEDS, ETC. AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY COMPANIES PRIOR TO ANY EXCAVATION.
2. LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITH AND ADJACENT TO THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO EXCAVATION AND CONSTRUCTION OF NEW WORK. EXTREME CARE SHALL BE EXERCISED IN EXCAVATION AND WORKING NEAR EXISTING UTILITIES. REFER TO CIVIL DRAWING FOR GENERAL REFERENCE. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES, PIPES AND OTHER SUBSTRUCTURES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS, DETAILS AND SPECIFICATIONS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION IN THE FIELD.THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY, ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
3. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, LANDSCAPING, AND FEATURES TO REMAIN ON AND/OR ADJACENT TO THE PROJECT SITE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR, AT HIS OWN EXPENSE, ALL DAMAGE RESULTING FROM HIS OPERATIONS OR NEGLIGENCE.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENFORCE SAFETY MEASURES OR REGULATIONS.
5. IN AN EMERGENCY THREATENING THE SAFETY OF LIFE, WORK OR ADJOINING PROPERTY, THE CONTRACTOR IS HEREBY INSTRUCTED TO ACT AT HIS DISCRETION TO PREVENT SUCH LOSS OR INJURY.
6. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND OWNER OR THE OWNER'S AUTHORIZED REPRESENTATIVE AND OWNER SHALL ASSUME THAT THE CONTRACTOR HAS INCORPORATED THE SPECIFIED ITEM.
7. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION OF DESIGN WHEN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT CONFLICT WITH THE INFORMATION SHOWN ON THE EXISTING CONDITIONS AND PROPOSED SITE PLANS. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND OWNER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE SUBCONTRACTOR'S ACCOMPLISHMENT OF SCOPE OF WORK. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH OTHER TRADES WORKING ON THE SITE SIMULTANEOUSLY.
9. CONTRACTOR SHALL NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE 72 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY TO PROVIDE ALL WORK. WORK TO BE COMPLETE IN PLACE AS SPECIFIED.
10. CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES ON ALL HARD AND SOFT SURFACES. CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE DRAINAGE.
11. ALL MATERIALS SHALL BE OF STANDARD, APPROVED AND FIRST GRADE QUALITY AND SHALL BE IN PRIME CONDITION WHEN INSTALLED AND ACCEPTED. ANY COMMERCIALLY PROCESSED OR PACKAGED MATERIAL SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED PACKAGING BEARING THE MANUFACTURER'S GUARANTEED ANALYSIS.
12. THE CONTRACTOR AGREES TO HOLD THE CITY AND THE A/E HARMLESS FROM ANY CLAIMS ARISING OUT OF HIS OPERATIONS OR THE OPERATIONS OF ANY OF HIS SUBCONTRACTORS, MATERIALS SUPPLIERS, OR AGENTS.
13. THE CONTRACT DRAWINGS REPRESENT THE FINISHED CONSTRUCTION AND DO NOT INDICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO MAINTAIN THE INTEGRITY OF STRUCTURES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND MAINTENANCE OF ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING.
14. ALL LOCAL, MUNICIPAL, AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THE PROJECT SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS AND REQUIREMENTS.
15. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID. PERMITS FOR ANY CONSTRUCTION DEPICTED IN THESE PLANS SHALL BE OBTAINED BY THE CONTRACTOR.
16. DO NOT SCALE ANY DRAWINGS IN THIS SET. ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER THE SCALE SHOWN ON THE PLANS, SECTIONS, AND DETAILS. IN THE EVENT OF DISCREPANCIES, THE CONTRACTOR SHALL REQUEST CLARIFICATIONS FROM THE OWNER'S AUTHORIZED REPRESENTATIVE.
17. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIDEWALKS, RAMPS, STAIRS AND HANDRAILS COMPLY WITH THE ADA STANDARD REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OR THE OWNER'S AUTHORIZED REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DESIGN INFORMATION ADA REQUIREMENTS PRIOR TO CONSTRUCTION.

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0 15 30 60
SCALE: 1"=30'-0"

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MASSACHUSETTS JAMES D BURNETT NO. 4035 REGISTERED LANDSCAPE ARCHITECT

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME
ORIENTATION PLAN

SHEET NUMBER
LG000

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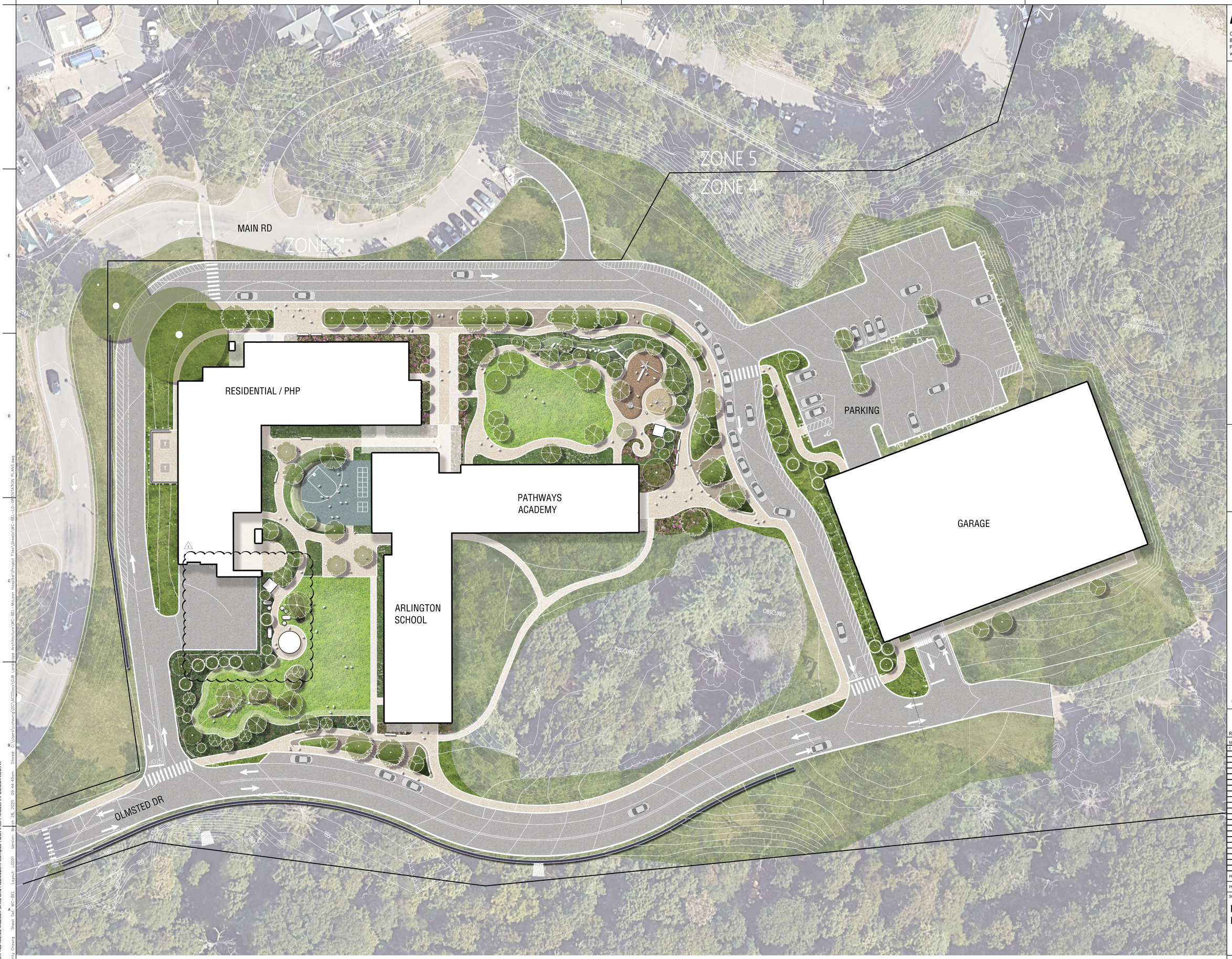

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MASSACHUSETTS JAMES D BURNETT NO. 4078 REGISTERED LANDSCAPE ARCHITECT

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MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME

ILLUSTRATIVE PLAN

SHEET NUMBER

LG001

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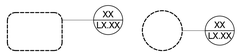
GENERAL DRAWING SYMBOLS

AREA OF DETAIL ENLARGEMENT

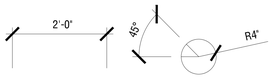


ANNOTATION STYLE

CENTERLINE

CONSTRUCTION CALLOUT

DIMENSION STYLE



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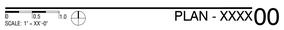

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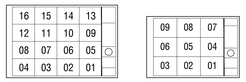
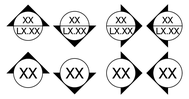


ELEVATION TAGS

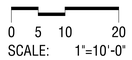


MATCHLINE

NORTH ARROW

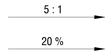
PLANTING CALLOUT

SCALE BAR



SPOT ELEVATION

SLOPE



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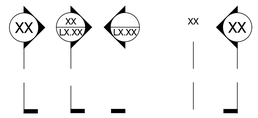

GENERAL ABBREVIATIONS

@	AT
A.BOLT	ANCHOR BOLT
AC	ACRE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE, ADJACENT
ALT	ALTERNATE
ARCH	ARCHITECTURAL, ARCHITECT
ANCH	ANCHOR
B&B	BALLED & BURLAPPED
BC	BOTTOM OF CURB
BLDG	BUILDING
BLK	BLOCK
BLVD	BOULEVARD
BM	BEAM
BMRK	BENCHMARK
B. BOT	BOTTOM
B.O.C.	BOTTOM OF CURB
BRDG	BRIDGING
BS	BOTTOM OF STAIR
BSMT	BASEMENT
CA, CB	COLUMN ABOVE, COLUMN BELOW
C/C, O/C	CENTER TO CENTER
C/W	CONNECT WITH
CAL.	CALIPER
CANT	CANTILEVER
CB	CATCH BASIN
C.I.P.	CAST IN PLACE
CJ	CONTROL JOINT
C.JT	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
C.L.F.	CHAIN LINK FENCE
CLL	CONTRACT LIMIT LINE
COL	COLUMN
CONC.	CONCRETE
CONSTR	CONSTRUCTION
CONT.	CONTINUOUS
CONN	CONNECTION
C/W	CONNECT WITH
DC	DEPRESSED CURB
DET	DETAIL
DTL	DETAIL
DG	DECOMPOSED GRANITE
DIA,Ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DL	DEAD LOAD
DWG(S)	DRAWING(S)
DWL(S)	DOWEL
E	EASTING
EA	EACH
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
ELEV.	ELEVATION
ELECT	ELECTRICAL
E.O.C	END OF CURVE
EQ	EQUAL
ES	EACH SIDE
ESMT	EASMENT
EW	EACH WAY
EX, EXIST	EXISTING
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
E-W	EAST WEST
FF	FAR FACE
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FIN	FINISHED
FL	FLOOR
FS	FINISH SURFACE
FT	FOOT/FEET
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK, GRADE BEAM
GEN	GENERAL
GEOTECH	GEOTECHNICAL ENGINEER
GR	GRATE
GV	GAS VALVE
H, HORZ	HORIZONTAL
HF	FACTORED HORIZONTAL FORCE, KIPS
HH	HOOKED EACH END
HP	HIGH POINT
HSC	HORIZONTALLY STRUCTURAL SECTION
HSS	HOLLOW STRUCTURAL SECTION
HT.	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INT	INTERIOR
INV	INVERT
JT	JOINT
LB(S)	POUND(S)
LFG	LANDFILL GAS
LG	LONG
L.G.	LEGAL GRADE
LL	LIVE LOAD, LOWER LAYER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LVL	LEVEL
MAX	MAXIMUM
MANUF	MANUFACTURER
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MIDDLE LAYER
MOM	MOMENT
MSE	MECHANICALLY STABILIZED EARTH
=	MOMENT CONNECTION
N	NORTHING
NF	NEAR FACE
NIC	NOT IN CONTRACT
MANF.	NUMBER
NTS	NOT TO SCALE
N-S	NORTH SOUTH
OF	OUTSIDE FACE
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OPEN	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
O/H	OVERHEAD
PA	PLANTING AREA
PC	PRECAST
PLC	PLACE
PL	PLATE
PLF	POUNDS PER FOOT
PROJ	PROJECTION
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
POT	POINT OF BEGINNING
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
R	RADIUS
RECPT.D.	RECEPTACLE
RE:	REFERENCE, REFER TO
RE: ARCH	REFER TO ARCHITECTURAL DRAWINGS
RE: CIVIL	REFER TO CIVIL DRAWINGS
RE: ELECT	REFER TO ELECTRICAL DRAWINGS
RE: MEP	REFER TO MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS
RE: STRUCT	REFER TO STRUCTURAL DRAWINGS
RE: PLUMB	REFER TO PLUMBING DRAWINGS
RE: GEOTECH	REFER TO GEOTECHNICAL DRAWINGS
REINF	REINFORCE, REINFORCEMENT
REQ'D	REQUIRED
REV	REVISION, REVISED
R/W	REINFORCE WITH
SPEC	SPECIFICATIONS
SPECS	SPECIFICATIONS
SDF	STEP DOWN FOOTING
SECT	SECTION
SFC	STEEL FACED CURB
SIM	SIMILAR
SL	SLAB
SOG	SLAB ON GRADE
SQ	SQUARE
STA	STATION
ST	STREET
STD	STANDARD
STRUCT	STRUCTURAL
SYM	SYMBOL
SS	STAINLESS STEEL
T	TOP
TA	TURF AREA
TBD	TO BE DETERMINED
TC	TOP OF CURB
TEMP	TEMPORARY
TD	TYPICAL DETAIL
TJ	TYPICAL JOINT
TLL	TOP LOWER LAYER
TOC	TOP OF CURB
TS	TOP OF STAIRS
TUL	TOP UPPER LAYER
TYP.	TYPICAL
TW	TOP OF WALL
UL	UPPER LEVEL
U/N	UNLESS OTHERWISE NOTED
U/S	UNDERSIDE
UV	UTILITY VALE
VERT	VERTICAL
VB	VERTICAL BRACING
VIF	VERIFY IN FIELD
VSC	VERTICALLY SLOTTED CONNECTION
W/	WITH
WV	WATER VALVE
WWF	WELDED WIRE FABRIC, WELDED WIDE FLANGE SECTION

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MCLEAN CHILD AND ADOLESCENT CAMPUS

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REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME

SYMBOLS AND ABBREVIATIONS

SHEET NUMBER

LG002

12/3/2024 5:24:07 PM
Autodesk Docs://103183.00 McLean Child and Adolescent Campus R23/ARCH-MCLEAN-BUILDINGS.rvt
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CONSTRUCTION NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES FOR ALL MATERIALS, FIXTURES, FURNISHINGS, ETC. QUANTITIES ARE PROVIDED HERE FOR REFERENCE ONLY.
2. CONTRACTOR TO PROVIDE PHYSICAL SAMPLES OF EACH FINISH TYPE, AND PROVIDE SHOP DRAWINGS OF ALL FABRICATED CONDITIONS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. CONTRACTOR TO VERIFY THE LAYOUT OF ALL MATERIALS IN THE FIELD FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. INCLUDING PAVING, BOLLARDS, TREE GRATES, LIGHT POLE BASES, FOUNTAINS, STEPS, SEATS AND WALLS.
4. CONTRACTOR TO PROTECT ALL HARDSCAPE IN PLACE ONCE CONSTRUCTED, AND TO REPLACE ANY DAMAGED OR CRACKED STONE DURING THE COURSE OF CONSTRUCTION.
5. CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL MEP AND IRRIGATION SLEEVING BENEATH AND THROUGH HARDSCAPE.
6. MAINTENANCE: ALL REQUIRED LANDSCAPE AREAS SHALL BE MAINTAINED BY OWNER. THE LANDSCAPE AREAS SHALL BE MAINTAINED FREE OF DEBRIS AND LITTER AND ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION. DISEASED OR DEAD PLANT MATERIAL SHALL BE SATISFACTORY TREATED OR REPLACED PER THE CONDITIONS OF THE PERMIT.

LAYOUT NOTES

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, LAYOUT COORDINATES, AND WORK FROM PREVIOUS AND ONGOING CONTRACTS IN THE FIELD. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTIONS IMMEDIATELY BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
2. CONTRACTOR IS TO VERIFY PROPERTY AND LIMIT-OF-WORK LINES PRIOR TO COMMENCING WORK.
3. THESE PLANS DO NOT PURPORT TO SHOW ALL ELEMENTS TO BE CONSTRUCTED. CONTRACTOR IS TO REVIEW ENTIRE CONSTRUCTION PLAN SET, IN ADDITION TO GEOTECHNICAL, CIVIL, ARCHITECTURAL, STRUCTURAL AND MEP PLAN SETS, IN ORDER TO COMPREHENSIVELY DETERMINE ALL ELEMENTS TO BE INSTALLED AND THEIR RELATION TO EACH OTHER. COORDINATE WITH OTHER CONSULTANT'S WORK TO PROPERLY EXECUTE CONTRACTOR'S WORK.
4. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OF THE LAYOUT OF ALL ELEMENTS, AS SHOWN. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
5. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OF ALL SITE LIGHTING FIXTURES, JUNCTION BOXES, TRANSFORMERS, AND PANELS. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. LIGHTING CIRCUITRY AND SOME JUNCTION BOX LOCATIONS MAY BE LOCATED ON ELECTRICAL ENGINEERING PLANS.
6. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OF ALL FORMWORK OR A TYPICAL PORTION OF FORMWORK REPRESENTING SIMILAR WORK. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT OF ALL FORMWORK FOR FLATWORK AND WALL WORK PRIOR TO CONCRETE POURING.
7. CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK POINTS, MONUMENTS, GRID LINES, AND CONTROLS, AMONG ALL TRADES; SPECIFICALLY, BUT NOT LIMITED TO, SITE FORMATION, FLATWORK, AND WALL WORK.
8. CONTRACTOR SHALL REFER TO PAVING OR MATERIALS PLAN(S) FOR ALL FLATWORK AND WALL WORK JOINT LOCATIONS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS VERIFYING JOINT LAYOUT PRIOR TO INSTALLATION.
9. CONTRACTOR SHALL ERECT AND INSTALL ALL WORK LEVEL, PLUMB, SQUARE, TRUE, STRAIGHT, AND IN PROPER ALIGNMENT.
10. CONTRACTOR SHALL NOT SCALE DRAWINGS; CONTRACTOR SHALL USE DIMENSIONS SHOWN.
11. NO DIMENSIONS ARE ADJUSTABLE WITHOUT THE REVIEW AND APPROVAL OF LANDSCAPE ARCHITECT UNLESS NOTED [+/-] AND OR FV (FIELD VERIFY)/ VIF (VERIFY IN FIELD).
12. SIMILAR (SIM) MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. CONTRACTOR SHALL VERIFY DIMENSIONS AND ORIENTATION ON THE PLANS AND ELEVATIONS.
13. DIMENSIONS NOTED CLEAR (CLR) MUST BE STRICTLY MAINTAINED ALLOWING FOR THICKNESS OF ALL FINISHES. CONTRACTOR SHALL FIELD VERIFY (FV) OR VERIFY IN FIELD (VIF) PRIOR TO CONSTRUCTION.
14. TYPICAL (TYP) MEANS IDENTICAL FOR ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
15. ALIGN MEANS ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
16. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE NOTED.
17. ALL CURVES FOR PAVING, BANDS, PATHS, EDGING, AND HEADER BOARDS SHALL BE ALIGNED IN A SMOOTH AND CONTINUOUS FASHION AND SHALL MEET ADJACENT SURFACES AT 90 DEGREES, UNLESS OTHERWISE INDICATED. ALL WALK RADII AND CURVES SHALL BE SMOOTH AND CONTINUOUS WITHOUT ABRUPT CHANGES OR BENDS UNLESS OTHERWISE SHOWN.

CONSTRUCTION SCHEDULE

KEY	SYM	DESCRIPTION	DETAIL	SPEC	MATERIAL	FINISH	COLOR	COMMENTS
ASPHALT PAVING								
AP-01		ASPHALT PAVING - TYPE 1	RE: CIVIL	RE: CIVIL	ASPHALT PAVING PER CIVIL	RE: CIVIL	RE: CIVIL	REFER TO CIVIL DRAWINGS
AP-02		ASPHALT PAVING - TYPE 2	RE: CIVIL	RE: CIVIL	ASPHALT PAVING PER CIVIL	RE: CIVIL	RE: CIVIL	REFER TO CIVIL DRAWINGS
CONCRETE PAVING								
CP-01		CONCRETE PAVING - TYPE 1	02,03,04,05,06,07,11 / LG301	32 13 16	INTEGRAL COLOR TOP CAST CONCRETE PAVING (PEDESTRIAN RATED)	TOP CAST	TBD SELECTED FROM DAVIS COLOR RANGE	SAW CUT JOINTS AND EXPANSION JOINTS PER PLANS AND DETAILS. THICKNESS, SUBGRADE CONDITION AND REINFORCEMENT PER CIVIL. SUBMIT SHOP DRAWINGS FOR PAVING AND JOINT LAYOUT. SUBMIT SAMPLES AND PROVIDE MOCK UP PER SPECIFICATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT.
CP-02		CONCRETE PAVING - TYPE 2	03,12,15,16 / LG301	32 13 16	INTEGRAL COLOR TOP CAST CONCRETE PAVING (VEHICULAR RATED)	TOP CAST	TBD SELECTED FROM DAVIS COLOR RANGE	SAW CUT JOINTS AND EXPANSION JOINTS PER PLANS AND DETAILS. THICKNESS, SUBGRADE CONDITION AND REINFORCEMENT PER CIVIL. SUBMIT SHOP DRAWINGS FOR PAVING AND JOINT LAYOUT. SUBMIT SAMPLES AND PROVIDE MOCK UP PER SPECIFICATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT.
UNIT PAVING								
UP-01		UNIT PAVER - TYPE 1	03, 08/ LG301	32 13 16	MODULAR CONCRETE UNIT PAVING (PEDESTRIAN RATED)	TBD	TBD	2" THICK CONCRETE PAVING UNIT PAVING ON MORTAR SETTING BED OVER REINFORCED CONCRETE SUBSLAB. SUBMIT SAMPLE AND PROVIDE MOCK UP FOR APPROVALS BY LANDSCAPE ARCHITECT. BASIS OF DESIGN: WAUSAU TILE
UP-02		UNIT PAVER - TYPE 2	03, 08/ LG301	32 13 16	MODULAR CONCRETE UNIT PAVING (VEHICULAR RATED)	TBD	TBD	2" THICK CONCRETE PAVING UNIT PAVING ON MORTAR SETTING BED OVER REINFORCED CONCRETE SUBSLAB. SUBMIT SAMPLE AND PROVIDE MOCK UP FOR APPROVALS BY LANDSCAPE ARCHITECT. BASIS OF DESIGN: WAUSAU TILE
CURBING								
CB-01		CURB - TYPE 1	11, 13 / LG301	RE: CIVIL	RAISED GRANITE CURB	RE: CIVIL	RE: CIVIL	6" RAISED CURB. PROVIDE MOCK FOR APPROVALS BY LANDSCAPE ARCHITECT.
CB-02		CURB - TYPE 2	12/ LG301	RE: CIVIL	FLUSH GRANITE CURB AT DROP OFF	RE: CIVIL	RE: CIVIL	FLUSH CURB. PROVIDE MOCK FOR APPROVALS BY LANDSCAPE ARCHITECT.
CB-03		CURB - TYPE 3	11/ LG301	RE: CIVIL	TRANSITIONAL GRANITE CURB	RE: CIVIL	RE: CIVIL	0-6" TRANSITIONAL CURB. PROVIDE MOCK FOR APPROVALS BY LANDSCAPE ARCHITECT.
CB-04		CURB - TYPE 4	11/ LG301	RE: CIVIL	MOUNTABLE GRANITE CURB AT FIRE ACCESS	RE: CIVIL	RE: CIVIL	MOUNTABLE CURB AT FIRE ACCESS. PROVIDE MOCK FOR APPROVALS BY LANDSCAPE ARCHITECT.
CB-05		CURB - TYPE 5		RE: CIVIL	SLOPED GRANITE EDGING	RE: CIVIL	RE: CIVIL	SLOPED GRANITE EDGING. PROVIDE MOCK FOR APPROVALS BY LANDSCAPE ARCHITECT.
JOINTING								
JO-01		CONTROL JOINT	01/ LG301	-	1/8" TYPICAL	-	-	SUBMIT SHOP DRAWINGS OF CONCRETE POUR SEQUENCE, JOINT TYPE, AND LAYOUT. PROVIDE MOCK UP WITH (4) DIFFERENT COLOR OPTIONS FOR APPROVALS BY LANDSCAPE ARCHITECT.
JO-02		EXPANSION JOINT	01/ LG301	-	1/4" WIDTH W/SNAP CAP AND MASTIC SEALANT	LIGHT SAND @ SEALANT	TO MATCH ADJACENT CONCRETE COLOR	SUBMIT SHOP DRAWINGS OF CONCRETE POUR SEQUENCE, JOINT TYPE, AND LAYOUT. PROVIDE FULL RANGE COLOR FOR SELECTION. PROVIDE MOCK UP WITH (4) DIFFERENT COLOR OPTIONS FOR APPROVALS BY LANDSCAPE ARCHITECT.
SITE WALLS								
SW-01		SITE WALL - TYPE 1	01,02 / LG302	05 50 10 06 15 37	GARDEN FENCE - 4'-0" HEIGHT WOOD POST WITH MESH INFILL	WOOD: NATURAL METAL: POWDERCOATED	WOOD: DOUGLAS FIR METAL: TBD	CUSTOM FENCE WITH REINFORCED FOOTINGS PER STRUCTURAL ENGINEER. SUBMIT SAMPLE, SHOP DRAWINGS AND MOCKUPS FOR APPROVAL BY LANDSCAPE ARCHITECT.
SW-02		SITE WALL - TYPE 2	03,04 / LG302	05 50 10 06 15 37	SCREEN FENCE - WOOD FENCE 6'-0" HEIGHT	WOOD: NATURAL METAL: POWERCOATED	WOOD: DOUGLAS FIR METAL: TBD	CUSTOM FENCE WITH REINFORCED FOOTINGS PER STRUCTURAL ENGINEER. SUBMIT SAMPLE, SHOP DRAWINGS AND MOCKUPS FOR APPROVAL BY LANDSCAPE ARCHITECT.
SW-03		SITE WALL - TYPE 3	07,08 / LG302	04 43 00	STRUCTURAL RETAINING WALL - NSWS STONE VENEER	NATURAL FACE	- TBD - TO BE SELECTED FROM STANDARD COLOR RANGE.	BASIS OF DESIGN: NSWS WALLS. REFER TO STRUCTURAL FOR WALL FOOTING, STONE VENEER PER DETAILS. SUBMIT SAMPLES, SHOP DRAWINGS AND PROVIDE MOCK UP FOR APPROVAL BY LANDSCAPE ARCHITECT.
SW-04		SITE WALL - TYPE 4	05,06 / LG302	05 50 10 06 15 37	GARDEN GATE - 4'-0" HEIGHT WOOD FRAME WITH MESH INFILL	WOOD: NATURAL METAL: POWERCOATED	WOOD: NATURAL METAL: TBD	CUSTOM GATE WITH REINFORCED FOOTINGS PER STRUCTURAL ENGINEER. SUBMIT SAMPLE, SHOP DRAWINGS AND MOCKUPS FOR APPROVAL BY LANDSCAPE ARCHITECT.
SW-05		SITE WALL - TYPE 5	-	RE: CIVIL	STRUCTURAL RETAINING WALL PER CIVIL	-	RE: CIVIL	REFER TO CIVIL DRAWINGS
SW-06		SITE WALL - TYPE 6	-	RE: ARCH	METAL SCREEN WALL PER ARCH	POWDERCOATED	TBD	CUSTOM SCREEN WALL WITH REINFORCED FOOTINGS PER STRUCTURAL ENGINEER. SUBMIT SAMPLE, SHOP DRAWINGS AND MOCKUPS FOR APPROVAL BY LANDSCAPE ARCHITECT.
LANDSCAPE MATERIALS								
LS-01		STONEDUST PAVING	04,09 / LG301	32 93 50	STABILIZED STONEDUST	STABILIZED	TBD	READ CUSTOM SOIL STONEDUST WITH ORGANIC LOCK STABILIZER. PROVIDE SAMPLE AND MOCKUP FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
LS-02		MULTIPURPOSE COURT SURFACING	05 / LG301	-	ACRYLIC BASED MULTIPURPOSE COURT SURFACING OVER ASPHALT SUBBASE	TBD	TBD	PROVIDE PRODUCT DATA AND SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. BASIS OF DESIGN: WWW.SPORTMASTER.NET
LS-03		PLAYGROUND SURFACING	06 / LG301	32 18 16	12" FIBAR ENGINEERED WOOD FIBER MULCH	NATURAL	NATURAL	PROVIDE PRODUCT DATA AND SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
LS-04		DRY CREEK BOULDERS	05 / LG304	32 94 00	45% SMALL NATURAL STONE BOULDERS 1.5'-2.5' L X 1'-1.5' W X 1'-2" H 30% MEDIUM NATURAL STONE BOULDERS 2'-3' L X 1.5'-2' W X 1.5'-2.5' H 15% LARGE SIGNATURE NATURAL STONE BOULDERS 4'-0' L X 6'-8" W X 3'H 5%NATURAL TIMBERS OF VARIES SIZE 4'-10' LEMGTH WITH DIAMETER 12"-24	-	-	STOCK PILE EXISTING STONE BOULDERS AND TIMBER FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. IF OUTSOURCING IS NEEDED, PROVIDE PRODUCT DATA AND SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT
LS-05		LANDSCAPE EDGING	90,14 / LG301	32 93 00	3/16" X5 1/2" STEEL EDGING	PAINTED	BLACK	3/16"X5 1/2" STEEL EDGING
LS-06		TACTILE SURFACE	-	-	CAST IRON DETECTABLE WARNING PLATES	NATURAL	CAST IRON	PROVIDE PRODUCT DATA FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
LS-07		SAND	07 / LG301	-	9" PLAYGROUND SAND	-	-	PROVIDE PRODUCT DATA AND SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
LS-08		GRAVELPAVE	14,15 / LG301	-	RING FILLED WITH STONE FINES	-	-	PROVIDE PRODUCT DATA AND SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. BASIS OF DESIGN: GRAVEL PAVE 2, INVISIBLESTRUCTURES.COM
SITE FEATURES								
SF-01		BENCH	01 / LG303	12 93 00	STANDARD WOOD BENCH	WOOD: NATURAL METAL: POWDERCOATED	WOOD: KEBONY OR IPE METAL: TBD	BASIS OF DESIGN: FORMS + SURFACE: FLOAT BENCH
SF-02		TRASH RECEPTABLE	02 / LG303	12 93 00	PROPRIETARY PRODUCT	WOOD: NATURAL METAL: POWDERCOATED	WOOD: KEBONY OR IPE METAL: TBD	BASIS OF DESIGN: FORMS + SURFACES - URBAN RENAISSANCE RECEPTACLES
SF-03		RAISED PLANT BEDS	03 / LG303	12 93 00	PROPRIETARY PRODUCT	WOOD: NATURAL METAL: POWDERCOATED	WOOD: TBD METAL: TBD	SIZE: 3' W X 3 L X 1.5 H (4), 3' W X 6 L X 1.5 H (2), 3' W X 8 L X 1.5 H (1), BASIS OF DESIGN: VEGOGARDEN.COM
SF-04		COMMUNITY GARDEN STORAGE	04 / LG303	-	CUSTOM GARDEN STORAGE WITH WOOD CLADDING AND METAL FRAME	WOOD: NATURAL METAL: POWDERCOATED	WOOD: KEBONY OR IPE METAL: TBD	SIZE: 8' W X 8 L X 7-9' H
SF-05		PATHWAY PLAY STORAGE	04 / LG303	-	CUSTOM PLAY STORAGE WITH WOOD CLADDING AND METAL FRAME	WOOD: NATURAL METAL: POWDERCOATED	WOOD: KEBONY OR IPE METAL: TBD	SIZE: 8' W X 8 L X 7-9' H
SF-06		HEIGHT- ADJUSTABLE BASKETBALL HOOP	05 / LG303	12 93 00	PROPRIETARY PRODUCT	-	-	BALL HOG 72" ZENITH - ADJUSTABLE HEIGHT. BASIS OF DESIGN: WWW. BALLHOGGOALS.COM
SF-07		PLAY STRUCTURE 1	06 / LG303	-	PROPRIETARY PRODUCT	WOOD: NATURAL METAL: POWDERCOATED	WOOD: TBD METAL: TBD	SLIDE PLATFORM (1), BASIS OF DESIGN: EARTHSCAPEPLAY.COM. CAROUSEL WITH SEATS (1), BASIS OF DESIGN: KOMPAN.COM
SF-08		PLAY STRUCTURE 2	06 / LG303	-	PROPRIETARY PRODUCT	WOOD: NATURAL METAL: POWDERCOATED	WOOD: TBD METAL: TBD	CRAWLING PYRAMID (1), BASIS OF DESIGN: KOMPAN.COM
SF-09		NATURE TIMBER PLAY STRUCTURE	07 / LG303	06 15 37	RECLAIMED TRUNKS AND TIMBERS	SANDED	NATURAL	NATURAL TIMBERS SECURED TO CONCRETE FOOTINGS. STOCK PILE EXISTING TIMBER FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. IF OUTSOURCING IS NEEDED, PROVIDE PRODUCT DATA AND SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT
SF-10		BOLLARD	01 / LG304	12 93 00	4" POWDERCOATED STEEL BOLLARD	METAL: POWDERCOATED	TBD, CUSTOM RAL	4" STEEL BOLLARD SET IN CAST-IN-PLACE CONCRETE PAVING, TIED TO REINFORCED CONCRETE FOUNDATION. SUBMIT COLOR SAMPLES FOR APPROVALS BY LANDSCAPE ARCHITECT. MANF: CALPIPE INDUSTRIES.
SF-11		CONVENIENCE OUTLET	02 / LG304	12 93 00	STEEL HINGE TOP OUTLET PEDESTAL	METAL: POWDERCOATED	TBD, CUSTOM RAL	PROVIDE PRODUCT DATA, AND SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. REFER TO MEP FOR ELECTRICAL AND WIRING. MANF: -PEDOC POWER; MODEL: HINGE TOP SINGLE GANG 5"X5" WITH INTEGRAL BASE, 18"HT
SF-12		YURT	-	-	-	-	-	EXISTING YURT TO BE RELOCATED
SF-13		RAINCHAIN	06 / LG304	-	PROPRIETARY PRODUCT	METAL: POWDERCOATED	TBD, CUSTOM RAL	PROVIDE PRODUCT DATA AND SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
SITE LIGHTING								
EP01A		POLE LIGHT TYPE 1A, PEDESTRIAN AREA	03 / LG304	RE: ELECTRICAL	LUMENPULSE PURE T, 16'-6" POLE MOUNTED HEIGHT, SINGLE HEAD WITH OPTIONS FOR DISTRIBUTION TYPE.	ALUMINUM WITH PAINTED COPPER	BLACK	
EP01B		POLE LIGHT TYPE 1B, PEDESTRIAN AREA	03 / LG304	RE: ELECTRICAL	LUMENPULSE PURE T, 16'-6" POLE MOUNTED HEIGHT, SINGLE HEAD WITH OPTIONS FOR DISTRIBUTION TYPE.	ALUMINUM WITH PAINTED COPPER	BLACK	
EP01C		POLE LIGHT TYPE 1C, PEDESTRIAN AREA	03 / LG304	RE: ELECTRICAL	LUMENPULSE PURE T, 16'-6" POLE MOUNTED HEIGHT, SINGLE HEAD WITH OPTIONS FOR DISTRIBUTION TYPE.	ALUMINUM WITH PAINTED COPPER	BLACK	
EP01D		POLE LIGHT TYPE 1D, PEDESTRIAN AREA	03 / LG304	RE: ELECTRICAL	LUMENPULSE PURE T, 16'-6" POLE MOUNTED HEIGHT, SINGLE HEAD WITH OPTIONS FOR DISTRIBUTION TYPE.	ALUMINUM WITH PAINTED COPPER	BLACK	
EP02A		POLE LIGHT TYPE 2A, PARKING AREA	03 / LG304	RE: ELECTRICAL	LUMENPULSE PURE T, 19'-6" POLE MOUNTED HEIGHT, SINGLE HEAD WITH OPTIONS FOR DISTRIBUTION TYPE.	ALUMINUM WITH PAINTED COPPER	BLACK	
EP02B		POLE LIGHT TYPE 2B, PARKING AREA	03 / LG304	RE: ELECTRICAL	LUMENPULSE PURE T, 19'-6" POLE MOUNTED HEIGHT, SINGLE HEAD WITH OPTIONS FOR DISTRIBUTION TYPE.	ALUMINUM WITH PAINTED COPPER	BLACK	
EP02C		POLE LIGHT TYPE 2C, PARKING AREA	03 / LG304	RE: ELECTRICAL	LUMENPULSE PURE T, 19'-6" POLE MOUNTED HEIGHT, SINGLE HEAD WITH OPTIONS FOR DISTRIBUTION TYPE.	ALUMINUM WITH PAINTED COPPER	BLACK	

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MASSACHUSETTS JAMES D. BURNETT NO. 4025 LICENSED LANDSCAPE ARCHITECT

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME

CONSTRUCTION SCHEDULE AND NOTES

SHEET NUMBER

LG100

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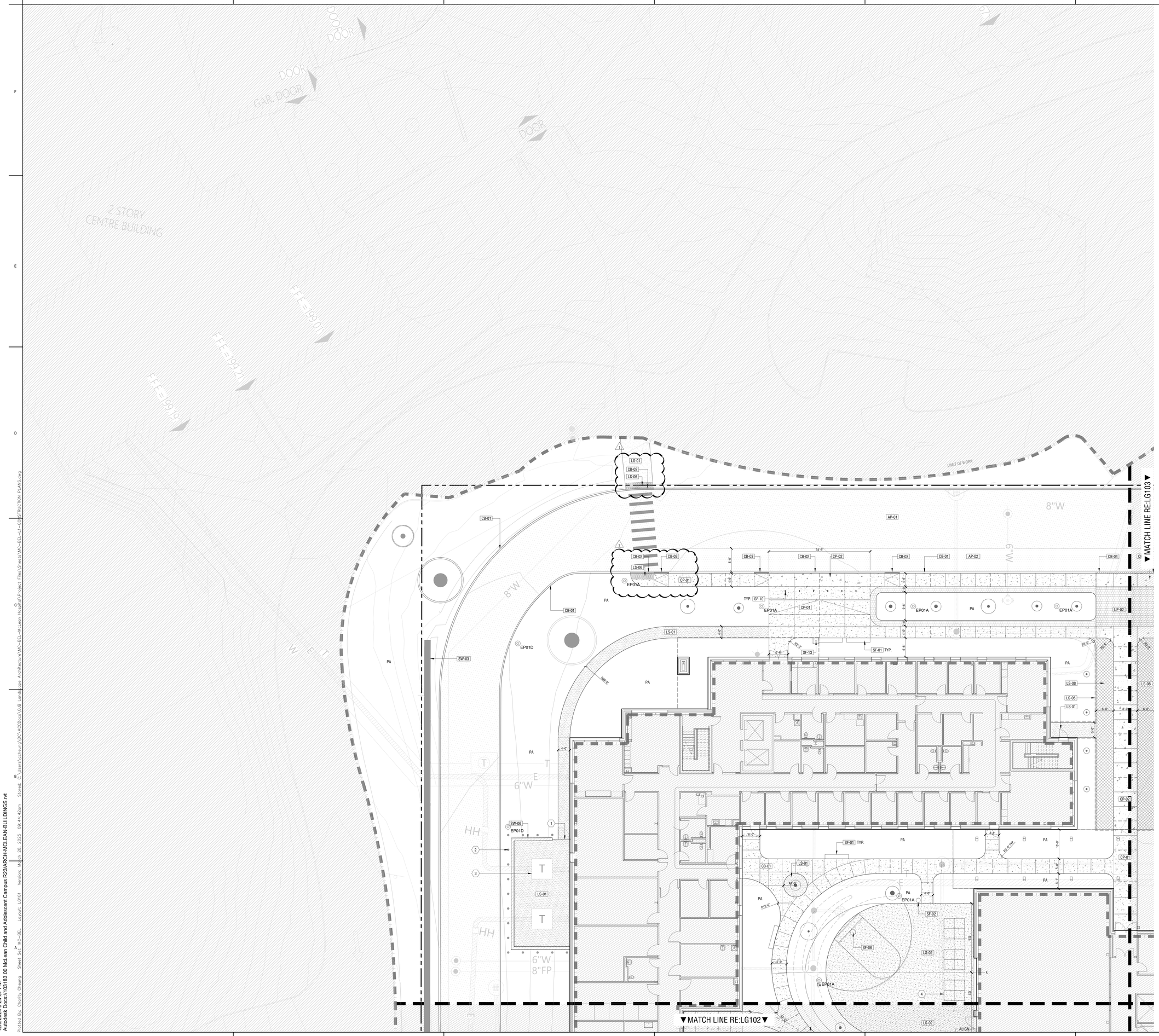


QUICK REFERENCE LEGEND

REFERENCE LG100 FOR FULL CONSTRUCTION SCHEDULE

KEY	SYM	DESCRIPTION
ASPHALT PAVING		
AP-01		ASPHALT PAVING - TYPE 1
AP-02		ASPHALT PAVING - TYPE 2
CONCRETE PAVING		
CP-01		CONCRETE PAVING - TYPE 1
CP-02		CONCRETE PAVING - TYPE 2
UNIT PAVING		
UP-01		UNIT PAVER - TYPE 1
UP-02		UNIT PAVER - TYPE 2
CURBING		
CB-01		CURB - TYPE 1
CB-02		CURB - TYPE 2
CB-03		CURB - TYPE 3
CB-04		CURB - TYPE 4
JOINTING		
JO-01		CONTROL JOINT
JO-02		EXPANSION JOINT
SITE WALL		
SW-01		GARDEN FENCE
SW-02		SCREENING FENCE
SW-03		RETAINING WALL WITH NSWS STONE VENEER
SW-04		GARDEN GATE
SW-05		RETAINING WALL
SW-06		METAL SCREEN WALL
LANDSCAPE MATERIALS		
LS-01		GRAVEL COURT
LS-02		MULTIPURPOSE COURT SURFACING
LS-03		PLAYGROUND SURFACING
LS-04		DRY CREEK BOULDERS
LS-05		LANDSCAPE EDGING
LS-06		TACTILE SURFACE
LS-07		SAND
LS-08		GRAVELPAVE
SITE FEATURES		
SF-01		STANDARD WOOD BENCH
SF-02		TRASH RECEPTABLE
SF-03		RAISED PLANT BEDS
SF-04		COMMUNITY GARDEN STORAGE
SF-05		PATHWAY PLAY STORAGE
SF-06		BASKETBALL HOOP
SF-07		PLAY STRUCTURE 1
SF-08		PLAY STRUCTURE 2
SF-09		NATURE PLAY STRUCTURE
SF-10		BOLLARD
SF-11		POWER PEDESTAL
SF-12		YURT
SF-13		RAIN CHAIN
SITE LIGHTING		
EP01A		POLE LIGHT TYPE 1A, PEDESTRIAN AREA
EP01B		POLE LIGHT TYPE 1B, PEDESTRIAN AREA
EP01C		POLE LIGHT TYPE 1C, PEDESTRIAN AREA
EP01D		POLE LIGHT TYPE 1D, PEDESTRIAN AREA
EP02A		POLE LIGHT TYPE 2A, PARKING AREA
EP02B		POLE LIGHT TYPE 2B, PARKING AREA
EP02C		POLE LIGHT TYPE 2C, PARKING AREA

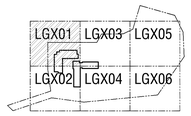
NOTES

1. TRANSFORMER ENCLOSURE GATE; RE: CIVIL
2. TRANSFORMER ENCLOSURE BOLLARD; RE: CIVIL
3. TRANSFORMER; RE: ELECTRICAL ENGINEER
4. 4 SQUARE COURT WHITE LINE PAINT
5. BUILDING COLUMN; RE: ARCH
6. STORM WATER STRUCTURE; RE: CIVIL

ABBREVIATIONS AND SYMBOLS

PA	PLANTING AREA
TA	TURF AREA
	TREE LOCATIONS
	EXISTING TREE LOCATIONS

0 5 10 20
SCALE: 1"=10'-0"



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MASSACHUSETTS JAMES D BURNETT NO. 4016 LICENSED LANDSCAPE ARCHITECT

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER	103183.00
PROJECT ARCHITECT	AC, CC

SHEET NAME
CONSTRUCTION PLAN

SHEET NUMBER
LG101

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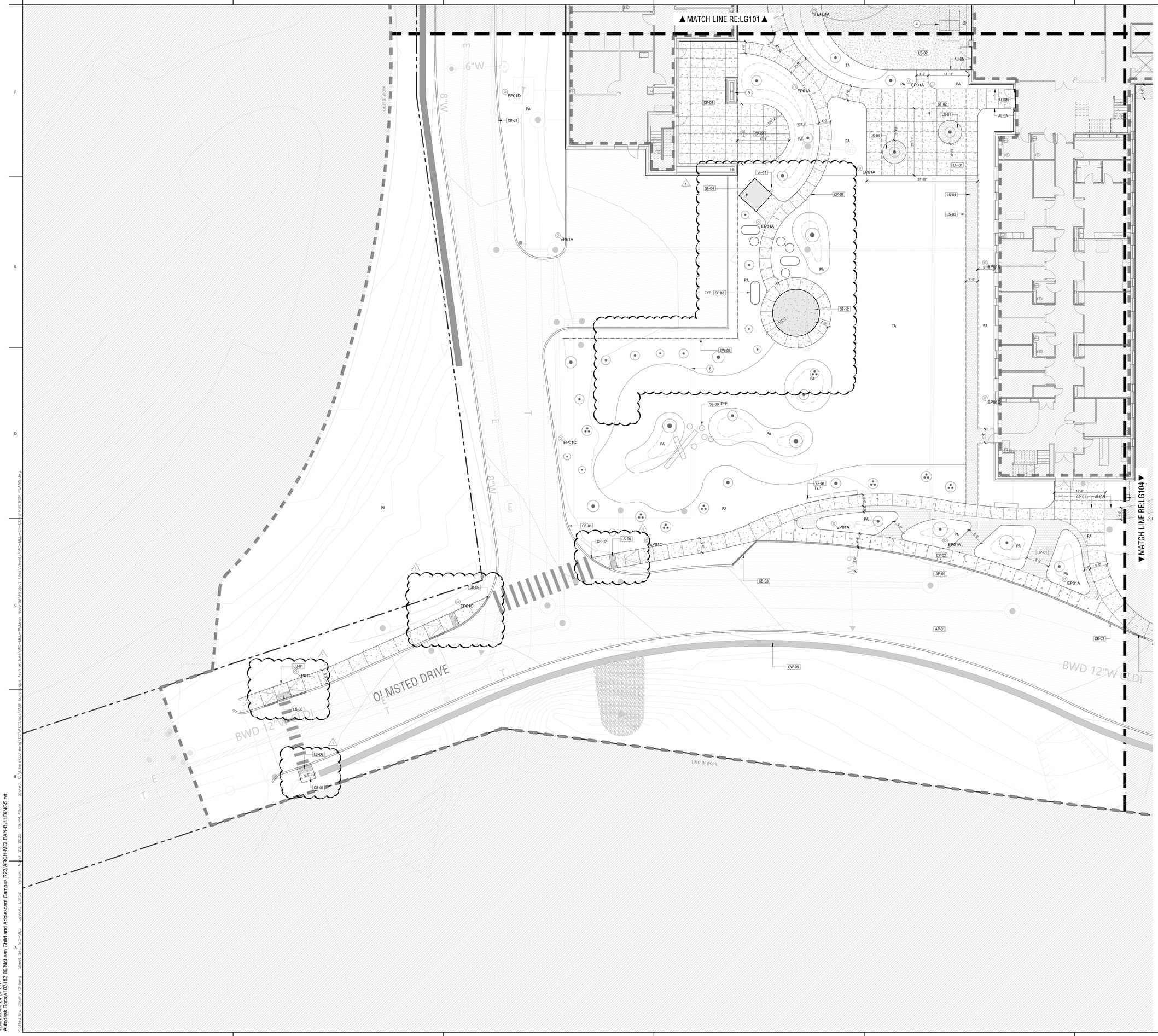

QUICK REFERENCE LEGEND

REFERENCE LG100 FOR FULL CONSTRUCTION SCHEDULE

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UP-02		UNIT PAVER - TYPE 2
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JO-02		EXPANSION JOINT
SITE WALL		
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LS-04		DRY CREEK BOULDERS
LS-05		LANDSCAPE EDGING
LS-06		TACTILE SURFACE
LS-07		SAND
LS-08		GRAVELPAVE
SITE FEATURES		
SF-01		STANDARD WOOD BENCH
SF-02		TRASH RECEPTABLE
SF-03		RAISED PLANT BEDS
SF-04		COMMUNITY GARDEN STORAGE
SF-05		PATHWAY PLAY STORAGE
SF-06		BASKETBALL HOOP
SF-07		PLAY STRUCTURE 1
SF-08		PLAY STRUCTURE 2
SF-09		NATURE PLAY STRUCTURE
SF-10		BOLLARD
SF-11		POWER PEDESTAL
SF-12		YURT
SF-13		RAIN CHAIN
SITE LIGHTING		
EP01A		POLE LIGHT TYPE 1A, PEDESTRIAN AREA
EP01B		POLE LIGHT TYPE 1B, PEDESTRIAN AREA
EP01C		POLE LIGHT TYPE 1C, PEDESTRIAN AREA
EP01D		POLE LIGHT TYPE 1D, PEDESTRIAN AREA
EP02A		POLE LIGHT TYPE 2A, PARKING AREA
EP02B		POLE LIGHT TYPE 2B, PARKING AREA
EP02C		POLE LIGHT TYPE 2C, PARKING AREA

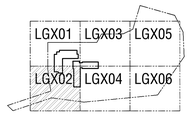
NOTES

1. TRANSFORMER ENCLOSURE GATE; RE: CIVIL
2. TRANSFORMER ENCLOSURE BOLLARD; RE: CIVIL
3. TRANSFORMER; RE: ELECTRICAL ENGINEER
4. 4 SQUARE COURT WHITE LINE PAINT
5. BUILDING COLUMN; RE: ARCH
6. STORM WATER STRUCTURE; RE: CIVIL

ABBREVIATIONS AND SYMBOLS

PA	PLANTING AREA
TA	TURF AREA
	TREE LOCATIONS
	EXISTING TREE LOCATIONS

0 5 10 20
SCALE: 1"=10'-0"



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MASSACHUSETTS JAMES D BURNETT NO. 4078 LICENSED LANDSCAPE ARCHITECT

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME
CONSTRUCTION PLAN

SHEET NUMBER
LG102

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QUICK REFERENCE LEGEND

REFERENCE LG100 FOR FULL CONSTRUCTION SCHEDULE

KEY	SYM	DESCRIPTION
ASPHALT PAVING		
AP-01		ASPHALT PAVING - TYPE 1
AP-02		ASPHALT PAVING - TYPE 2
CONCRETE PAVING		
CP-01		CONCRETE PAVING - TYPE 1
CP-02		CONCRETE PAVING - TYPE 2
UNIT PAVING		
UP-01		UNIT PAVER - TYPE 1
UP-02		UNIT PAVER - TYPE 2
CURBING		
CB-01		CURB - TYPE 1
CB-02		CURB - TYPE 2
CB-03		CURB - TYPE 3
CB-04		CURB - TYPE 4
JOINTING		
JO-01		CONTROL JOINT
JO-02		EXPANSION JOINT
SITE WALL		
SW-01		GARDEN FENCE
SW-02		SCREENING FENCE
SW-03		RETAINING WALL WITH NSWS STONE VENEER
SW-04		GARDEN GATE
SW-05		RETAINING WALL
SW-06		METAL SCREEN WALL
LANDSCAPE MATERIALS		
LS-01		GRAVEL COURT
LS-02		MULTIPURPOSE COURT SURFACING
LS-03		PLAYGROUND SURFACING
LS-04		DRY CREEK BOULDERS
LS-05		LANDSCAPE EDGING
LS-06		TACTILE SURFACE
LS-07		SAND
LS-08		GRAVELPAVE
SITE FEATURES		
SF-01		STANDARD WOOD BENCH
SF-02		TRASH RECEPTABLE
SF-03		RAISED PLANT BEDS
SF-04		COMMUNITY GARDEN STORAGE
SF-05		PATHWAY PLAY STORAGE
SF-06		BASKETBALL HOOP
SF-07		PLAY STRUCTURE 1
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SF-09		NATURE PLAY STRUCTURE
SF-10		BOLLARD
SF-11		POWER PEDESTAL
SF-12		YURT
SF-13		RAIN CHAIN
SITE LIGHTING		
EP01A		POLE LIGHT TYPE 1A, PEDESTRIAN AREA
EP01B		POLE LIGHT TYPE 1B, PEDESTRIAN AREA
EP01C		POLE LIGHT TYPE 1C, PEDESTRIAN AREA
EP01D		POLE LIGHT TYPE 1D, PEDESTRIAN AREA
EP02A		POLE LIGHT TYPE 2A, PARKING AREA
EP02B		POLE LIGHT TYPE 2B, PARKING AREA
EP02C		POLE LIGHT TYPE 2C, PARKING AREA

NOTES

1. TRANSFORMER ENCLOSURE GATE; RE: CIVIL
2. TRANSFORMER ENCLOSURE BOLLARD; RE: CIVIL
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4. 4 SQUARE COURT WHITE LINE PAINT
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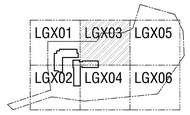
ABBREVIATIONS AND SYMBOLS

- PA — PLANTING AREA
- TA — TURF AREA
- TREE LOCATIONS
- EXISTING TREE LOCATIONS

0 5 10 20
SCALE: 1"=10'-0"



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MASSACHUSETTS JAMES D BURNETT NO. 4016 LICENSED LANDSCAPE ARCHITECT

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MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER	103183.00
PROJECT ARCHITECT	AC, CC

SHEET NAME
CONSTRUCTION PLAN

SHEET NUMBER
LG103

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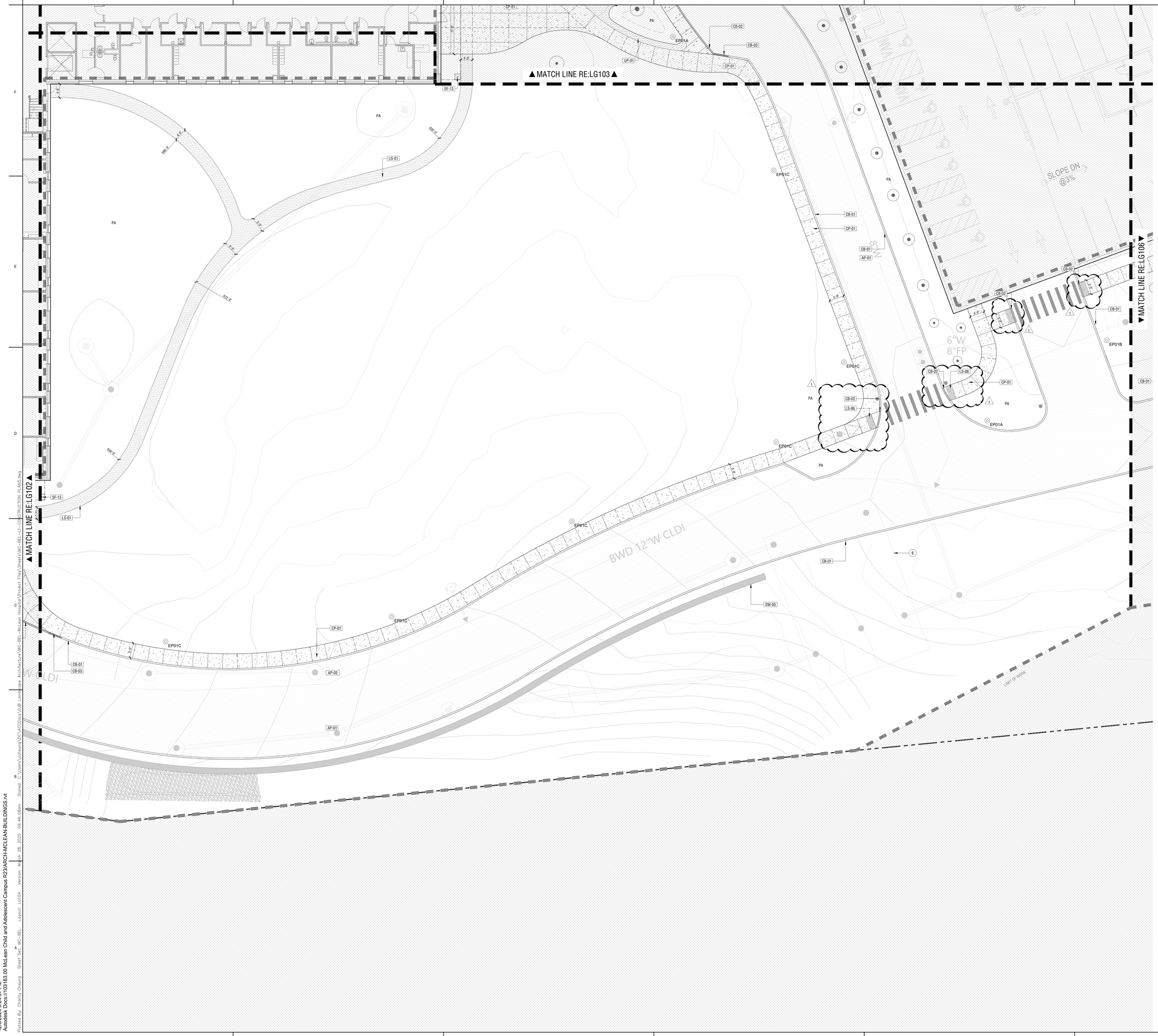

QUICK REFERENCE LEGEND

REFERENCE LG100 FOR FULL CONSTRUCTION SCHEDULE

KEY	SYM	DESCRIPTION
ASPHALT PAVING		
AP-01		ASPHALT PAVING - TYPE 1
AP-02		ASPHALT PAVING - TYPE 2
CONCRETE PAVING		
CP-01		CONCRETE PAVING - TYPE 1
CP-02		CONCRETE PAVING - TYPE 2
UNIT PAVING		
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UP-02		UNIT PAVER - TYPE 2
CURBING		
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CB-02		CURB - TYPE 2
CB-03		CURB - TYPE 3
CB-04		CURB - TYPE 4
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ABBREVIATIONS AND SYMBOLS

PA	PLANTING AREA
TA	TURF AREA
	TREE LOCATIONS
	EXISTING TREE LOCATIONS

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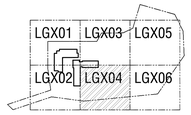
SCALE: 1"=10'-0"



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REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME

CONSTRUCTION PLAN

SHEET NUMBER

LG104

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QUICK REFERENCE LEGEND

REFERENCE LG100 FOR FULL CONSTRUCTION SCHEDULE

KEY	SYM	DESCRIPTION
ASPHALT PAVING		
AP-01		ASPHALT PAVING - TYPE 1
AP-02		ASPHALT PAVING - TYPE 2
CURBING		
CB-01		CURB - TYPE 1
CB-02		CURB - TYPE 2
CB-03		CURB - TYPE 3
CB-04		CURB - TYPE 4
CONCRETE PAVING		
CP-01		CONCRETE PAVING - TYPE 1
CP-02		CONCRETE PAVING - TYPE 2
UNIT PAVING		
UP-01		UNIT PAVER - TYPE 1
LANDSCAPE MATERIALS		
LS-01		GRAVEL COURT
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LS-05		LANDSCAPE EDGING
LS-06		TACTILE SURFACE
LS-07		SAND
SITE WALL		
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SF-11		POWER PEDESTAL

ABBREVIATIONS AND SYMBOLS

PA	PLANTING AREA
TA	TURF AREA
	TREE LOCATIONS
	EXISTING TREE LOCATIONS

0 5 10 20
SCALE: 1"=10'-0"

LGX01	LGX03	LGX05
LGX02	LGX04	LGX06

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

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CONSTRUCTION PLAN

SHEET NUMBER
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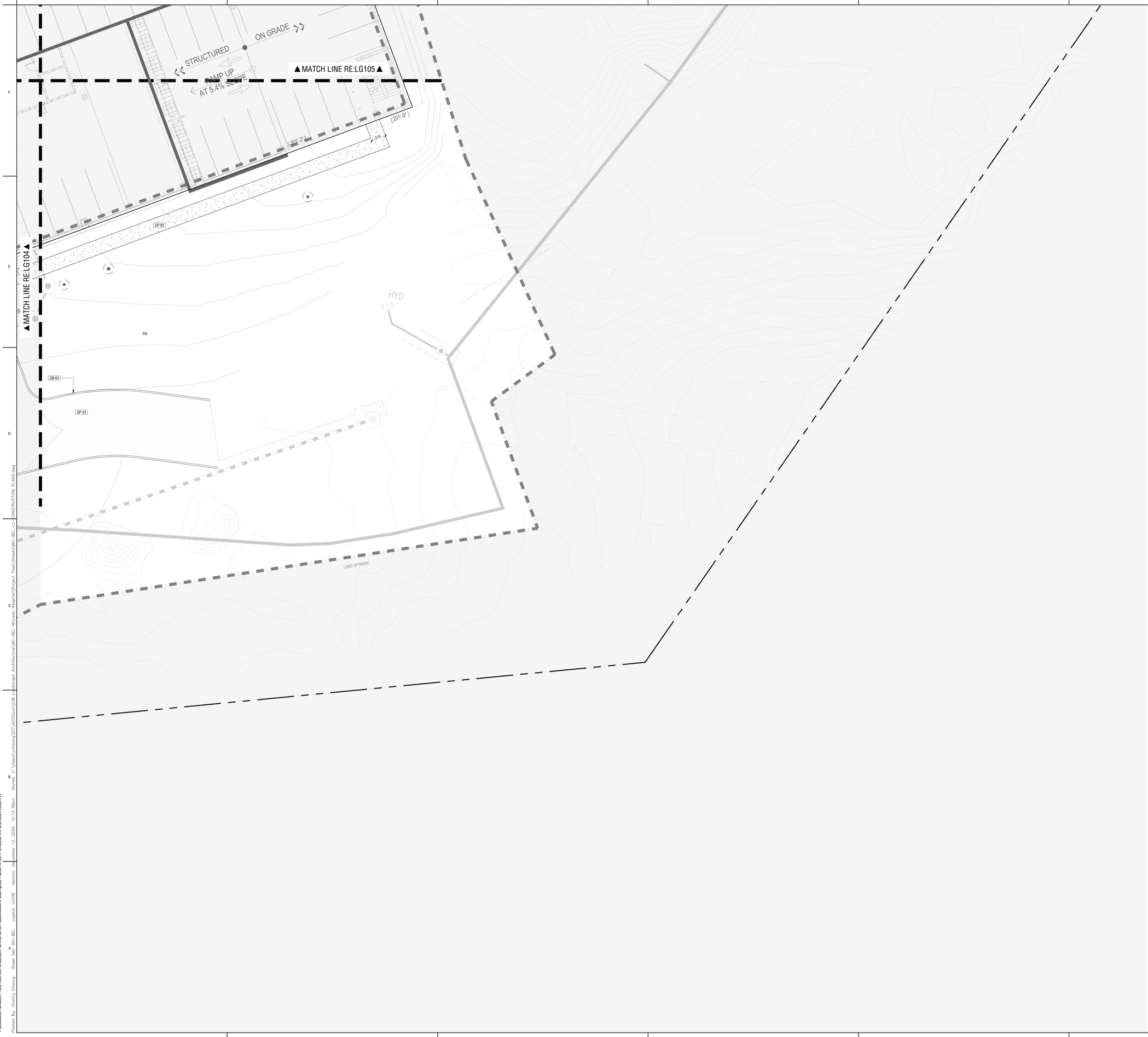

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KEY	SYM	DESCRIPTION
ASPHALT PAVING		
AP-01		ASPHALT PAVING - TYPE 1
AP-02		ASPHALT PAVING - TYPE 2
CURBING		
CB-01		CURB - TYPE 1
CB-02		CURB - TYPE 2
CB-03		CURB - TYPE 3
CB-04		CURB - TYPE 4
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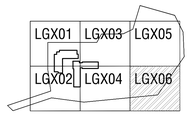
	EXISTING TREE LOCATIONS

0 5 10 20
SCALE: 1"=10'-0"



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MCLEAN CHILD AND ADOLESCENT CAMPUS

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME
CONSTRUCTION PLAN

SHEET NUMBER
LG106

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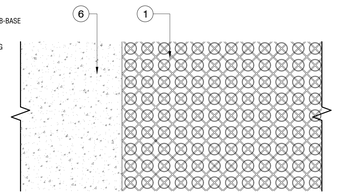
1 GRAVELPAVE, RING FILLED WITH STONE FINES (LS-01)
2 FILTER FABRIC ATTACHED TO BOTTOM OF GRAVELPAVE
3 COMPACTED SANDY GRAVEL ROAD BASE - 95% MODIFIED PROCTOR DENSITY, - REFER TO SPECIFICATIONS
4 COMPACTED SUBGRADE
5 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
6 ADJACENT CONCRETE PAVING RE: CONSTRUCTION PLAN



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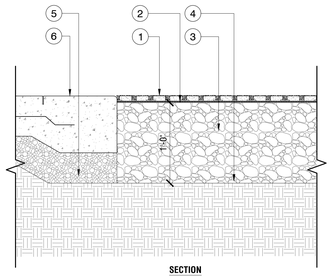
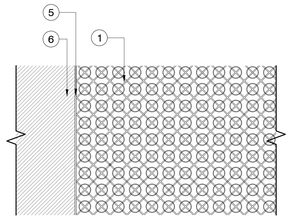


SECTION

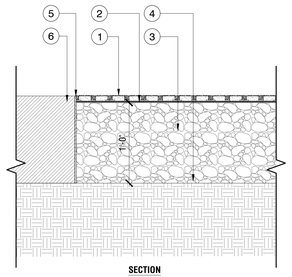
NOTE:
1. INSTALL PER MANUFACTURER'S SPECIFICATIONS

0 1' 2' SCALE: 1 1/2" = 1'-0"
DETAIL- GRAVEL PAVE AT CONCRETE PAVING TYPE 2 15
BP-MC.BEL-01

1 GRAVELPAVE, RING FILLED WITH STONE FINES (LS-01)
2 FILTER FABRIC ATTACHED TO BOTTOM OF GRAVELPAVE
3 COMPACTED SANDY GRAVEL ROAD BASE - 95% MODIFIED PROCTOR DENSITY, - REFER TO SPECIFICATIONS
4 COMPACTED SUBGRADE
5 METAL EDGING PER MANUFACTURER'S RECOMMENDATION
6 ADJACENT PLANTING OR STONE DUST AREA



PLAN



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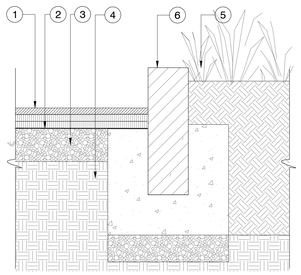
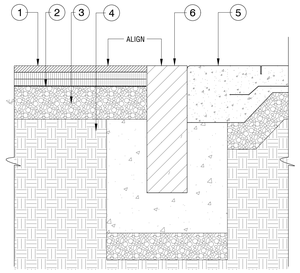
0 1' 2' SCALE: 1 1/2" = 1'-0"
DETAIL-GRAVELPAVE AT PLANTING OR STONE DUST AREA 14
BP-MC.BEL-19

1 ASPHALT PAVING; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN FIRST LIFT AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT PLANTING; RE: PLANTING PLAN
6 GRANITE CURB, RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR



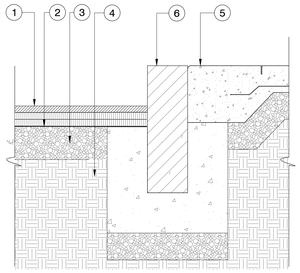
0 1' 2' SCALE: 1 1/2" = 1'-0"
GRANITE CURB AT PLANTING 13
BP-MC.BEL-04

1 ASPHALT PAVING; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN FIRST LIFT AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT CONCRETE PAVING RE: CONSTRUCTION PLAN
6 GRANITE CURB, RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR



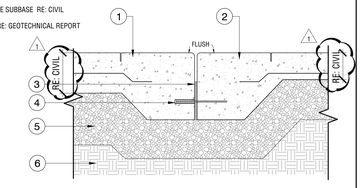
0 1' 2' SCALE: 1 1/2" = 1'-0"
FLUSH GRANITE CURB AT CONCRETE PAVING TYPE 2 12
BP-MC.BEL-03

1 ASPHALT PAVING; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN FIRST LIFT AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT CONCRETE PAVING RE: CONSTRUCTION PLAN
6 GRANITE CURB, RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR



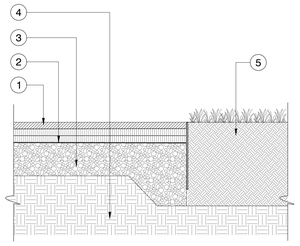
0 1' 2' SCALE: 1 1/2" = 1'-0"
GRANITE CURB AT CONCRETE PAVING TYPE 1 11
BP-MC.BEL-02

1 VEHICULAR CONCRETE PAVING RE: CONSTRUCTION PLAN AND SCHEDULE RE: CIVIL FOR REINFORCEMENT AND THICKNESS
2 PEDESTRIAN CONCRETE PAVING RE: CONSTRUCTION PLAN AND SCHEDULE RE: CIVIL FOR REINFORCEMENT AND THICKNESS
3 EXPANSION JOINT
4 9" SPEED DOWEL WITH 5/8" SMOOTH DOWEL @36" O.C.
5 COMPACTED AGGREGATE SUBBASE RE: CIVIL
6 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT



0 1' 2' SCALE: 1 1/2" = 1'-0"
SECTION - UNIT PAVER AT CONCRETE PAVING TYPE 1 & TYPE 2 16
BP-MC.BEL-05

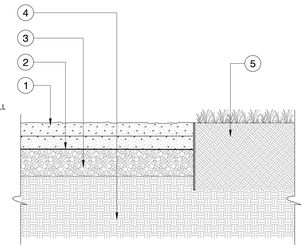
1 MULTI-SPORT COURT SURFACING; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN FIRST LIFT AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT PLANTING; RE: PLANTING PLAN



0 1' 2' SCALE: 1 1/2" = 1'-0"
MULTI-SPORT COURT SURFACING AT PLANTING 10
BP-MC.BEL-55

1 4" STABILIZED STONE FINE, INSTALLED IN (2) 2" LIFTS; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN FIRST LIFT AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT PLANTING RE: PLANTING PLAN

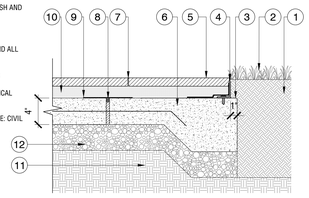
NOTE;
1. EACH LIFT OF STONEDUST SHALL BE DAMPENED, ROLLED, AND COMPACTED AS SPECIFIED



0 1' 2' SCALE: 1 1/2" = 1'-0"
SECTION - STONE DUST AT PLANTING 09
BP-MC.BEL-42

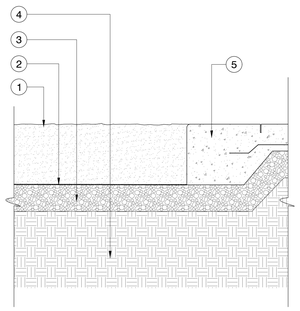
1 PLANTING SOIL
2 ADJACENT PLANTING - FINISHED GRADE TO BE HELD 1/2" MIN. BELOW TOP OF PAVING, RE: PLANTING PLANS
3 1/4" R TOOLED EDGE
4 PAVER EDGE RESTRAINT; RE: SPEC
5 UNIT PAVER; RE: CONSTRUCTION SCHEDULE FOR THICKNESS, COLOR & FINISH
6 REINFORCED CONCRETE SUB-SLAB; RE: CIVIL FOR REINFORCEMENT
7 1/4" GROUT JOINT; RE: SPECS FOR FINISH AND COLOR
8 EXPANSION JOINT IN SUB-SLAB
9 GEOTEXTILE FABRIC -EXTEND 3' BEYOND ALL SIDES OF JOINTS; RE: SPECS
10 1.5" MORTAR SETTING BED; RE: SPECS
11 PREPARED SUBGRADE; RE: GEOTECHNICAL REPORT
12 COMPACTED AGGREGATE SUB-BASE, RE: CIVIL

NOTE
1. CONNECTION BETWEEN EDGE RESTRAINT SECTION TO UTILIZE MANUFACTURER'S SLIDING CONNECTOR SYSTEM
2. CORNERS: NOTCH BASE OF EDGING AND FORM A CONTINUOUS CORNER



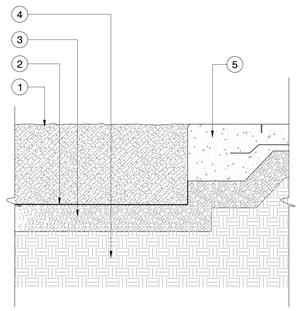
0 1' 2' SCALE: 1 1/2" = 1'-0"
SECTION - UNIT PAVER AT PLANTING 08
BP-MC.BEL-38

1 9" SAND; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN SAND LAYER AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT CONCRETE PAVING RE: CONSTRUCTION PLAN



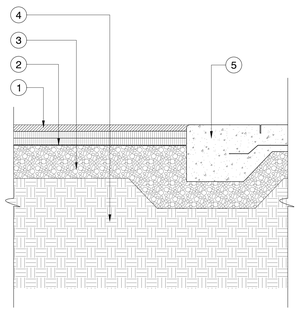
0 1' 2' SCALE: 1 1/2" = 1'-0"
SECTION - SAND AT CONCRETE PAVING TYPE 1 07
BP-MC.BEL-01

1 12" NATURAL BARK MULCH; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN MULCH LAYER AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT CONCRETE PAVING RE: CONSTRUCTION PLAN



0 1' 2' SCALE: 1 1/2" = 1'-0"
SECTION - NATURAL BARK MULCH AT CONCRETE PAVING TYPE 1 06
BP-MC.BEL-02

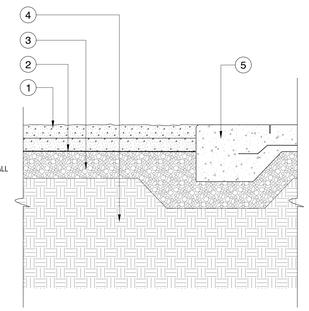
1 MULTI-SPORT COURT SURFACING; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN FIRST LIFT AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT CONCRETE PAVING RE: CONSTRUCTION PLAN



0 1' 2' SCALE: 1 1/2" = 1'-0"
MULTI-SPORT COURT SURFACING AT CONCRETE PAVING TYPE 1 05
BP-MC.BEL-49

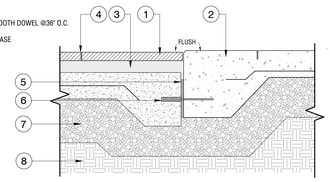
1 4" STABILIZED STONE FINE, INSTALLED IN (2) 2" LIFTS; RE: CONSTRUCTION SCHEDULE FOR FINISH AND COLOR
2 FILTER FABRIC; WRAP SIDES AND BOTTOM BETWEEN FIRST LIFT AND COMPACTED AGGREGATE SUB-BASE; RE: SPECIFICATIONS
3 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 ADJACENT CONCRETE PAVING RE: CONSTRUCTION PLAN

NOTE;
1. EACH LIFT OF STONEDUST SHALL BE DAMPENED, ROLLED, AND COMPACTED AS SPECIFIED



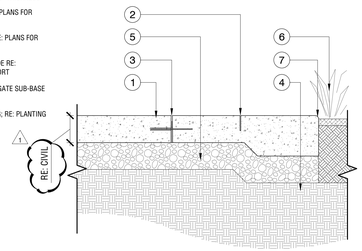
0 1' 2' SCALE: 1 1/2" = 1'-0"
SECTION - STONE DUST AT CONCRETE PAVING TYPE 1 04
BP-MC.BEL-37

1 UNIT PAVER RE: CONSTRUCTION PLANS AND DETAILS RE: CONSTRUCTION SCHEDULE FOR COLOR & FINISH; RE: SPECS
2 PEDESTRIAN CONCRETE PAVING RE: CONSTRUCTION PLAN AND SCHEDULE RE: CIVIL FOR REINFORCEMENT AND THICKNESS
3 1.5" MORTAR SETTING BED; RE: SPECS
4 1/4" GROUT JOINT, RE: SPECS FOR FINISH AND COLOR
5 EXPANSION JOINT
6 9" SPEED DOWEL WITH 5/8" SMOOTH DOWEL @36" O.C.
7 COMPACTED AGGREGATE SUBBASE RE: CIVIL
8 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT



0 1' 2' SCALE: 1 1/2" = 1'-0"
SECTION - UNIT PAVER AT CONCRETE PAVING TYPE 1 & TYPE 2 03
BP-MC.BEL-38

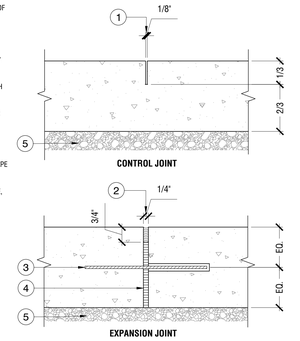
1 CONCRETE PAVING RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH RE: CIVIL FOR REINFORCEMENT AND THICKNESS
2 CONTROL JOINT RE: PLANS FOR LOCATION
3 EXPANSION JOINT RE: PLANS FOR LOCATION
4 PREPARED SUBGRADE RE: GEOTECHNICAL REPORT
5 COMPACTED AGGREGATE SUB-BASE RE: CIVIL
6 ADJACENT PLANTING; RE: PLANTING AND SOIL PLANS
7 1/2"R TOOLED EDGE



0 1' 2' SCALE: 1 1/2" = 1'-0"
SECTION - CONCRETE PAVING TYPE 1 & TYPE 2 ON GRADE 02
BP-MC.BEL-31

1 1/8" SAW CUT MIN 1/3 OVERALL DEPTH OF PAVEMENT
2 1/4" JOINT WITH ELASTOMERIC JOINT SEALANT
3 EXPANSION JOINT AND DOWEL PER CITY STANDARD. RE: CIVIL
4 1/4" THICK FOAM EXPANSION JOINT WITH SNAP CAP, TYP.
5 COMPACTED AGGREGATE SUB-BASE, RE: CIVIL

NOTES:
1. CONTRACTOR SHALL REFERENCE HARDSCAPE PLANS FOR JOINT TYPE AND LAYOUT.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF CONCRETE POURS, JOINT TYPE, AND LAYOUT FOR APPROVAL BY LANDSCAPE ARCHITECT.



0 6" 1' SCALE: 3" = 1'-0"
SECTION - CONCRETE JOINTING TYPES 01
BP-MC.BEL-50

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BOSTON, MA 02119
617-573-8000

CIVIL ENGINEER:
VHB
99 HIGH STREET
BOSTON, MA 02110

STRUCTURAL ENGINEER:
MCNAMARA SALVIA
101 FEDERAL ST SUITE 1100
BOSTON, MA 02110
617-737-0040

MEP:
ARUP
60 STATE ST, BOSTON, MA 02109
617-864-2987

LANDSCAPE ARCHITECT:
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1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
857-233-5171

TELECOM:
INDIGO
17TH STREET, DENVER, CO 80202
719-408-8847

MASSACHUSETTS JAMES D BURNETT NO. 4019 LICENSED LANDSCAPE ARCHITECT

03/28/25 PLAN REVISIONS

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER 103183.00
PROJECT ARCHITECT AC, CC
SHEET NAME
CONSTRUCTION DETAILS
SHEET NUMBER
LG301

12/3/2024 5:24:07 PM
Autodesk Docs://103183.00 McLean Child and Adolescent Campus R23/ARCH-MCLEAN-BUILDINGS.rvt
Plotted By: Charity Cheung Sheet Set: MC BEL Layout: LG301 Version: March 28, 2023 09:44:41am Stored C:\Users\charcheung\DC\ACCDocs\OJB Landscape Architecture\MC BEL-McLean Hospital\Project Files\Sheets\MC BEL-L3-CONSTRUCTION DETAILS.dwg

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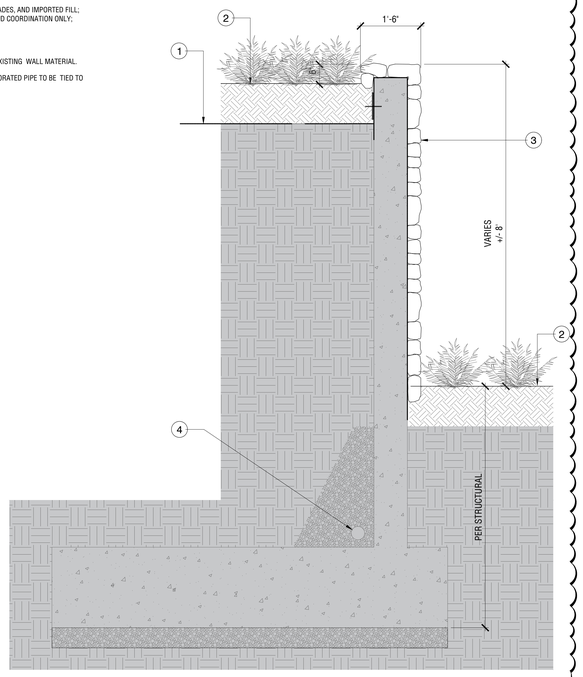
1

1. LIMIT OF WORK - REINFORCED CONCRETE FOOTING, STRUCTURAL WALL, EXISTING SUBGRADES, AND IMPORTED FILL; RE: STRUCTURAL, CIVIL, AND GEOTECH; FOOTING DIMENSIONS SHOWN FOR REFERENCE AND COORDINATION ONLY; REFER TO STRUCTURAL FOR DIMENSIONS AND REINFORCING
2. ADJACENT PLANTING, RE: PLANTING PLANS
3. FIELDSTONE WALL CLADDING MORTARED TO STRUCTURAL WALL. CLADDING TO MATCH EXISTING WALL MATERIAL.
4. 4" DIA. PERFORATED PIPE; WRAPPED IN DRAINAGE AGGREGATE AND FILTER FABRIC; PERFORATED PIPE TO BE TIED TO CIVIL STORM SYSTEM; RE: CIVIL

NOTES:
1. TOP OF WALL TO BE CONSISTENT, SET LEVEL, AND PLUMB; RE: CIVIL FOR TOP AND BOTTOM WALL ELEVATIONS.
2. ALL WALL ELEVATIONS AND DIMENSIONS TO BE VERIFIED IN FIELD.



SCALE: 3/4" = 1'-0"

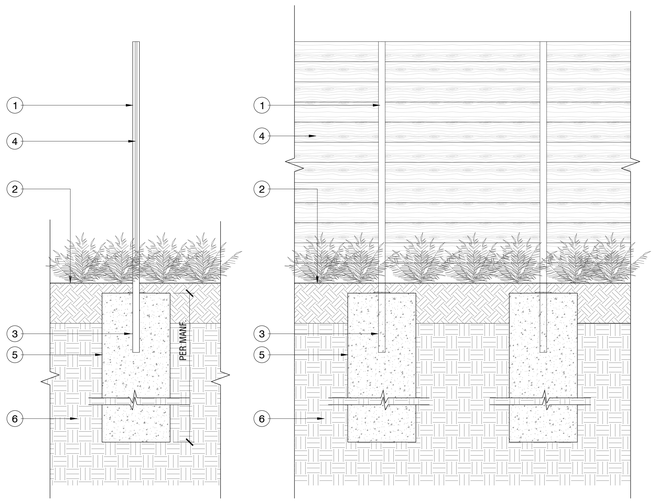
SECTION - SITE WALL TYPE 3 08
BP-MIC.BEL-06

SCALE: NTS

REFERENCE IMAGE - SITE WALL TYPE 3 RETAINING WALL 07

1. SITE WALL TYPE 2; RE: CONSTRUCTION SCHEDULE AND PLAN
2. ADJACENT PLANTING, RE: PLANTING PLANS
3. SCREEN WALL POST
4. SCREEN WALL WOOD PANEL
5. SCREEN WALL POST CONCRETE FOOTER, SIZED AND REINFORCED PER STRUCTURAL. S RECOMMENDATIONS.
6. PREPARED SUBGRADE OR STRUCTURAL BACKFILL

NOTES:
1. REFER TO CONSTRUCTION PLAN FOR OVERALL FENCE LAYOUT
2. REFER TO CONSTRUCTION SCHEDULE AND SPECIFICATIONS FOR COLOR AND FINISH
3. REINFORCING SHOWN FOR REFERENCE ONLY. CONTRACTOR TO SUBMIT SAMPLES AND SHOP DRAWINGS FOR APPROVAL BY LA AND STRUCTURAL ENGINEER



SCALE: 3/4" = 1'-0"

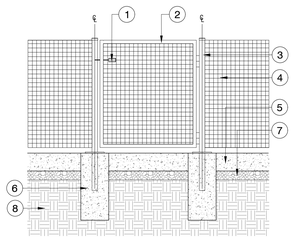
DETAIL - SITE WALL TYPE 2 - SCREEN FENCE 04
BP-MIC.BEL-05

SCALE: NTS

REFERENCE IMAGE - SITE WALL TYPE 2 - SCREEN FENCE 03

1. LOCKABLE LATCH
2. GATE
3. 2 3/8" SQ POST
4. MESH INFILL
5. CONCRETE PAVING, RE: CONSTRUCTION PLAN
6. REINFORCED CAST-IN-PLACE CONCRETE FOOTING, SIZING TO BE COORDINATED WITH STRUCTURAL
7. COMPACTED AGGREGATE BASE, RE: CIVIL
8. PREPARED SUBGRADE, RE: GEOTECHNICAL REPORT

NOTES:
1. REFER TO CONSTRUCTION PLAN FOR OVERALL LAYOUT AND DIMENSION
2. REFER TO CONSTRUCTION SCHEDULE FOR MODEL, FINISH, COLOR AND HARDWARE
3. ALL STEEL TO BE POWDER COATED TYP.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND MOCKUP FOR APPROVAL BY LANDSCAPE ARCHITECT



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

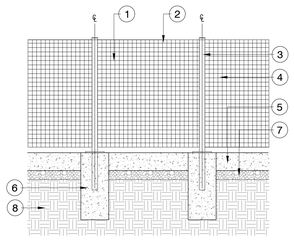
DETAIL - SITE WALL TYPE 4 - GARDEN GATE 06
BP-MIC.BEL-08

SCALE: NTS

REFERENCE IMAGE - SITE WALL TYPE 4 - GARDEN GATE 05

1. LOCKABLE LATCH
2. GATE
3. 2 3/8" SQ POST
4. 2" X 1/2" PICKET
5. CONCRETE PAVING, RE: CONSTRUCTION PLAN
6. REINFORCED CAST-IN-PLACE CONCRETE FOOTING, SIZING TO BE COORDINATED WITH STRUCTURAL
7. COMPACTED AGGREGATE BASE, RE: CIVIL
8. PREPARED SUBGRADE, RE: GEOTECHNICAL REPORT

NOTES:
1. REFER TO CONSTRUCTION PLAN FOR OVERALL LAYOUT AND DIMENSION
2. REFER TO CONSTRUCTION SCHEDULE FOR MODEL, FINISH, COLOR AND HARDWARE
3. ALL STEEL TO BE POWDER COATED TYP.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND MOCKUP FOR APPROVAL BY LANDSCAPE ARCHITECT



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

DETAIL - SITE WALL TYPE 1 - GARDEN FENCE 02
BP-MIC.BEL-07

SCALE: NTS

REFERENCE IMAGE - SITE WALL TYPE 1 - GARDEN FENCE 01

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

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1	03/28/25	PLAN REVISIONS

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PROJECT ARCHITECT AC, CC

SHEET NAME
CONSTRUCTION DETAILS

SHEET NUMBER
LG302

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Autodesk Docs://103183.00 McLean Child and Adolescent Campus R23/ARCH-MCLEAN-BUILDINGS.rvt

SCALE: NTS

REFERENCE IMAGE - BASKETBALL HOOP 07

SCALE: NTS

REFERENCE IMAGE - STORAGE 04

SCALE: NTS

REFERENCE IMAGE - RAISED PLANT BEDS 03

SCALE: NTS

REFERENCE IMAGE - TRASH RECEPTABLE 02

SCALE: NTS

REFERENCE IMAGE - BENCH 01

SCALE: NTS

REFERENCE IMAGE -NATURE PLAY STRUCTURE 08

SCALE: NTS

REFERENCE IMAGE - PLAY STRUCTURE 08

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STRUCTURAL ENGINEER:
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MEP:
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857-233-5171

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719-408-8847

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME

CONSTRUCTION DETAILS

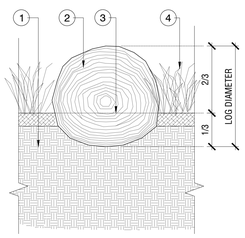
SHEET NUMBER

LG303

12/3/2024 5:24:07 PM
Autodesk Docs://103183.00 McLean Child and Adolescent Campus R23/ARCH-MCLEAN-BUILDINGS.rvt

1. PREPARED SUBGRADE; ENSURE NO DAMAGE TO EXISTING TREE ROOTS; RE: GEOTECH
2. RECLAIMED LOG OR STUMP. TYPE, LOCATION, AND DIMENSION TO BE DETERMINE
3. LOG TO BE BURIED 1/3 OF LOG DIAMETER
4. ADJACENT PLANTING; RE: PLANTING AND SOILS PLAN

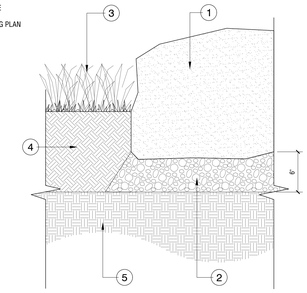
NOTE:
1. LANDSCAPE ARCHITECT TO APPROVE LOG SELECTION AND LOCATION PRIOR TO INSTALLATION



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

SECTION - NATURAL PLAY STRUCTURE AT PLANTING 05
BP-MC.BEL-03

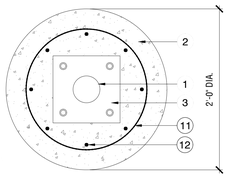
1. DRY CREEK BOULDER; RE: CONSTRUCTION SCHEDULE
2. COMPACTED AGGREGATE SUB BASE
3. ADJACENT PLANTING; RE: PLANTING PLAN
4. PLANTING SOIL; RE: SOILS PLAN
5. PREPARED SUBGRADE

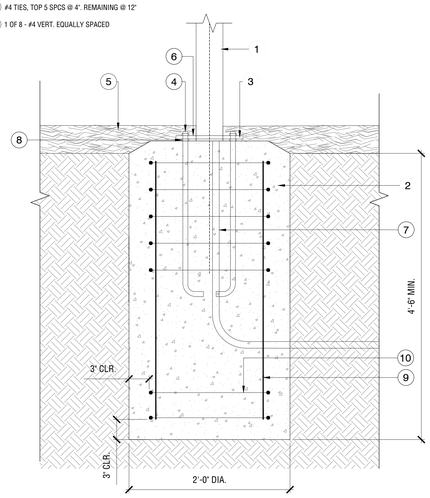


SCALE: 1 1/2" = 1'-0"

SECTION - DRY CREEK BOULDERS AT PLANTING 04
BP-MC.BEL-03

1. PEDESTRIAN LIGHT POLE RE: LIGHTING SCHEDULE
2. CONCRETE FOOTING, RE: CONSTRUCTION PLANS
3. MOUNTING PLATE, RE: MANUFACTURER SPECIFICATIONS
4. HOOKED ANCHOR BOLTS PROVIDE LEVELING NUTS RE: MANUFACTURER SPECIFICATIONS
5. MULCH TO COVER TOP OF CONCRETE FOOTING
6. POLE BASE AND BASE PLATE
7. ELECTRICAL CONDUIT
8. DRY PACK MORTAR UNDER BASE PLATE
9. #4 VERTICAL
10. #4 TIES
11. #4 TIES, TOP 5 SPCS @ 4". REMAINING @ 12"
12. 1 OF 8 - #4 VERT. EQUALLY SPACED



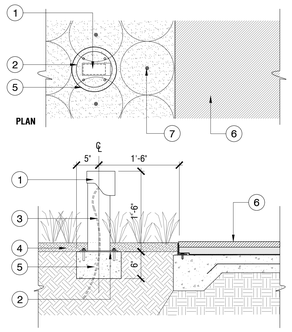


SCALE: 1 1/2" = 1'-0"

SECTION - TYP. POLE LIGHT FIXTURE IN PLANTING AREA 03
BP-MC.BEL-03

1. HINGE TOP OUTLET BOX; RE: CONSTRUCTION PLANS FOR LOCATIONS, RE: CONSTRUCTION SCHEDULE FOR FINISH
2. BASE PLATE AND ANCHORS PER MANUFACTURER
3. CONDUIT; RE: ELECTRICAL
4. ENSURE COMPLETE COVERAGE OF CONCRETE FOUNDATION AND ANCHORING HARDWARE
5. 10" DIA. CONCRETE FOOTING
6. ADJACENT PAVING, RE: CONSTRUCTION PLANS
7. PROVIDE MIN. 1 ROW OF GROUNDCOVER PLANTING BETWEEN STANCHION AND EDGE OF HARDSCAPE, RE: PLANTING PLANS

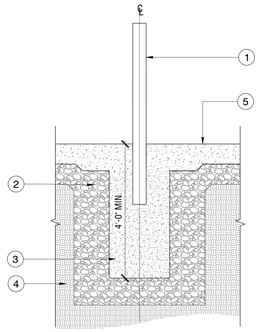
NOTES:
1. FIELD VERIFY LOCATIONS WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION



SCALE: 1" = 1'-0"

DETAIL - POWER PEDESTAL 02
BP-MC.BEL-03

1. 4" DIA BOLLARD RE: CONSTRUCTION PLAN AND SCHEDULE, INSTALL PER MANUFACTURER'S SPECIFICATIONS
2. COMPACTED AGGREGATE SUB-BASE
3. CONCRETE FOOTING RE: STRUCTURAL
4. PREPARED SUBGRADE
5. CONCRETE PAVING TYPE 1, REFER TO CONSTRUCTION PLAN AND SCHEDULE



SCALE: 3/4" = 1'-0"

SECTION - BOLLARD AT CONCRETE PAVING TYPE 1 01
BP-MC.BEL-03

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER	103183.00
PROJECT ARCHITECT	AC, CC

SHEET NAME
CONSTRUCTION DETAILS

SHEET NUMBER
LG304

12/3/2024 5:24:07 PM
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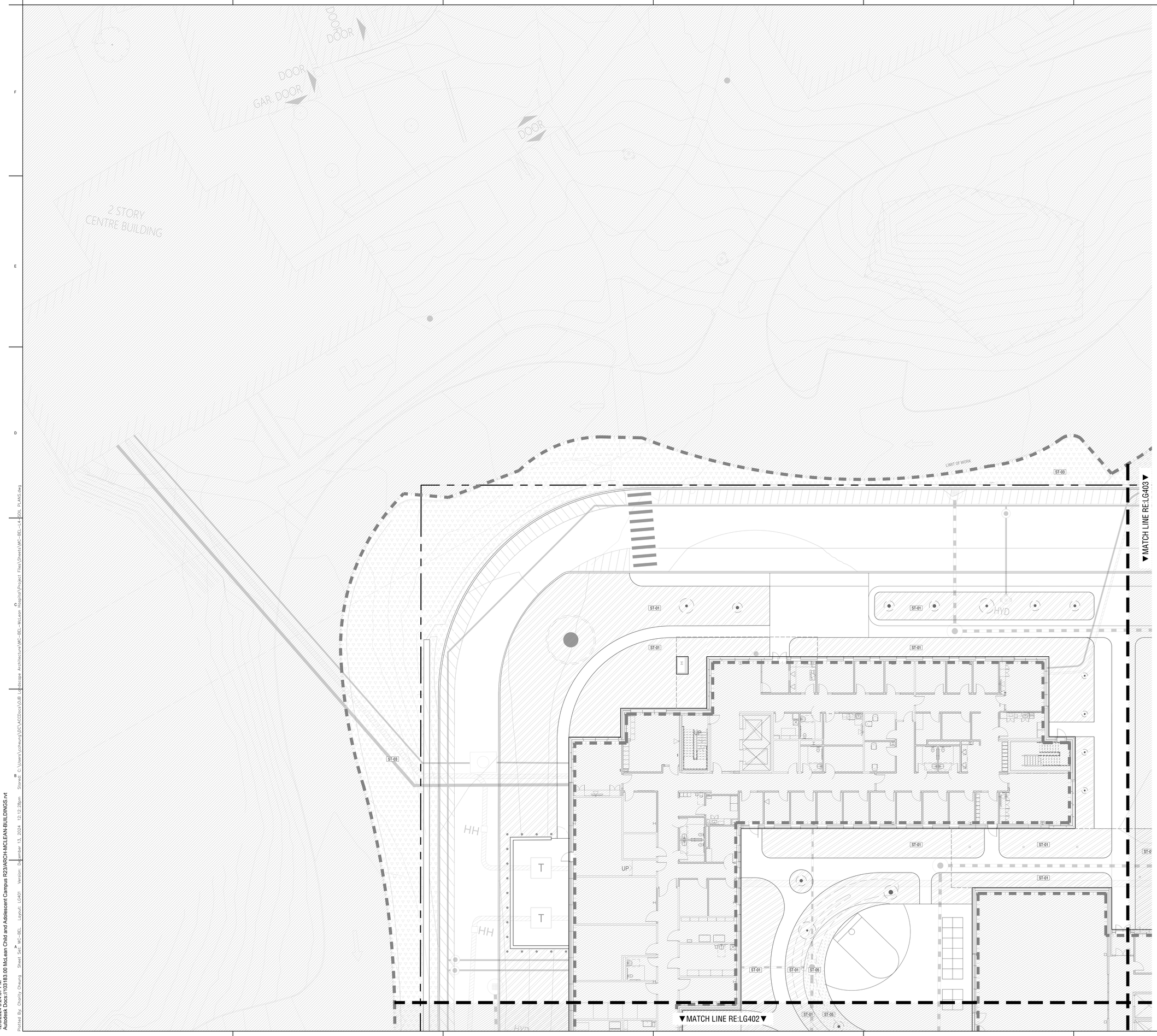

SOILS LEGEND

SYMBOL	DESCRIPTION
ST-01	SOIL TYPE 1 - PLANTING SOIL MIX IMPORTED ORNAMENTAL PLANTING SOIL MIX TO 18" DEPTH AT PLANTS AND 48" DEPTH AT TREES
ST-02	SOIL TYPE 2 - REFORESTATION AMENDED SOIL MIX EXISTING SOIL TO BE AMENDED IN PLACE TO 18" DEPTH EXCEPT AT EXISTING TREE ROOTS.
ST-03	SOIL TYPE 3 - PLANTING SOIL MIX AMENDED ORNAMENTAL PLANTING SOIL MIX TO 12" DEPTH AT PLANTS AND 42" DEPTH AT TREES
ST-04	SOIL TYPE 4 - MEADOW PLANTING SOIL MIX AMENDED ORNAMENTAL PLANTING SOIL MIX TO 18" DEPTH AT PLANTS AND 42" DEPTH AT TREES
ST-05	SOIL TYPE 5 - TURF SOIL MIX IMPORTED HIGH USE LAWN SOIL MIX TO 9" DEPTH
	TREE LOCATIONS
	ROOT BARRIER
	6" DEEP SWALE TO PREVENT PONDING AT PAVING EDGE. RE: DETAIL XX/LX.XX
XX	ORNAMENTAL BERMING AND TOPOGRAPHY
X.XX	PROPOSED SPOT GRADE. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
1%	PROPOSED FINISH SLOPE. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
	LANDSCAPE DRAIN LOCATION - RIM ELEVATION. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.

NOTES:

1. CONTRACTOR TO INSTALL ROOTBARRIERS ALONG EDGE OF PAVING FOR ANY TREE WITHIN 5' OF PAVING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION OF EXISTING FILL MATERIAL AND THE INSTALLATION OF SOILS AS INDICATED ON THE PLANS.
3. CONTRACTOR RESPONSIBLE FOR THE PROTECTION OF EXISTING WATERPROOFING, PROTECTION BOARD AND ALL APPURTENANCES.
4. SOIL AMENDMENT AROUND EXISTING TREES TO OCCUR OUTSIDE OF CRITICAL ROOT ZONE. CONSULT WITH ARBORIST TO DETERMINE CRITICAL ROOT ZONE LIMITS.
5. UTILIZE FIBER SOIL STABILIZER AT PLANTING AREAS THAT EXCEED A 10% SLOPE. UTILIZE STAYLOK FIBER FROM STABILIZER SOLUTIONS, OR APPROVED EQUAL. APPLY AT A RATE OF 7 LBS PER TON OF PLANTING SOIL (OR GREATER IF REQUIRED BY MANUFACTURER). FIBER SOIL STABILIZER TO BE MIXED IN PLANTING SOIL PRIOR TO DELIVERY TO THE JOB SITE.
6. UTILIZE ENKA MAT 30 ON ALL PLANTING SLOPES THAT EXCEED 20%. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. UTILIZE LANDSCAPE STAPLES AT A MINIMUM OF 24 INCHES ON CENTER TO SECURE ENKA MAT.
7. REFER TO CIVIL DRAWINGS FOR ALL GRADING AND DRAINAGE CONDITIONS. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.

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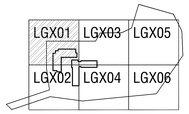

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MASSACHUSETTS JAMES D BURNETT REGISTERED LANDSCAPE ARCHITECT NO. 4000

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER	103183.00
PROJECT ARCHITECT	AC, CC
SHEET NAME	SOIL PLAN
SHEET NUMBER	LG401

12/3/2024 5:24:07 PM
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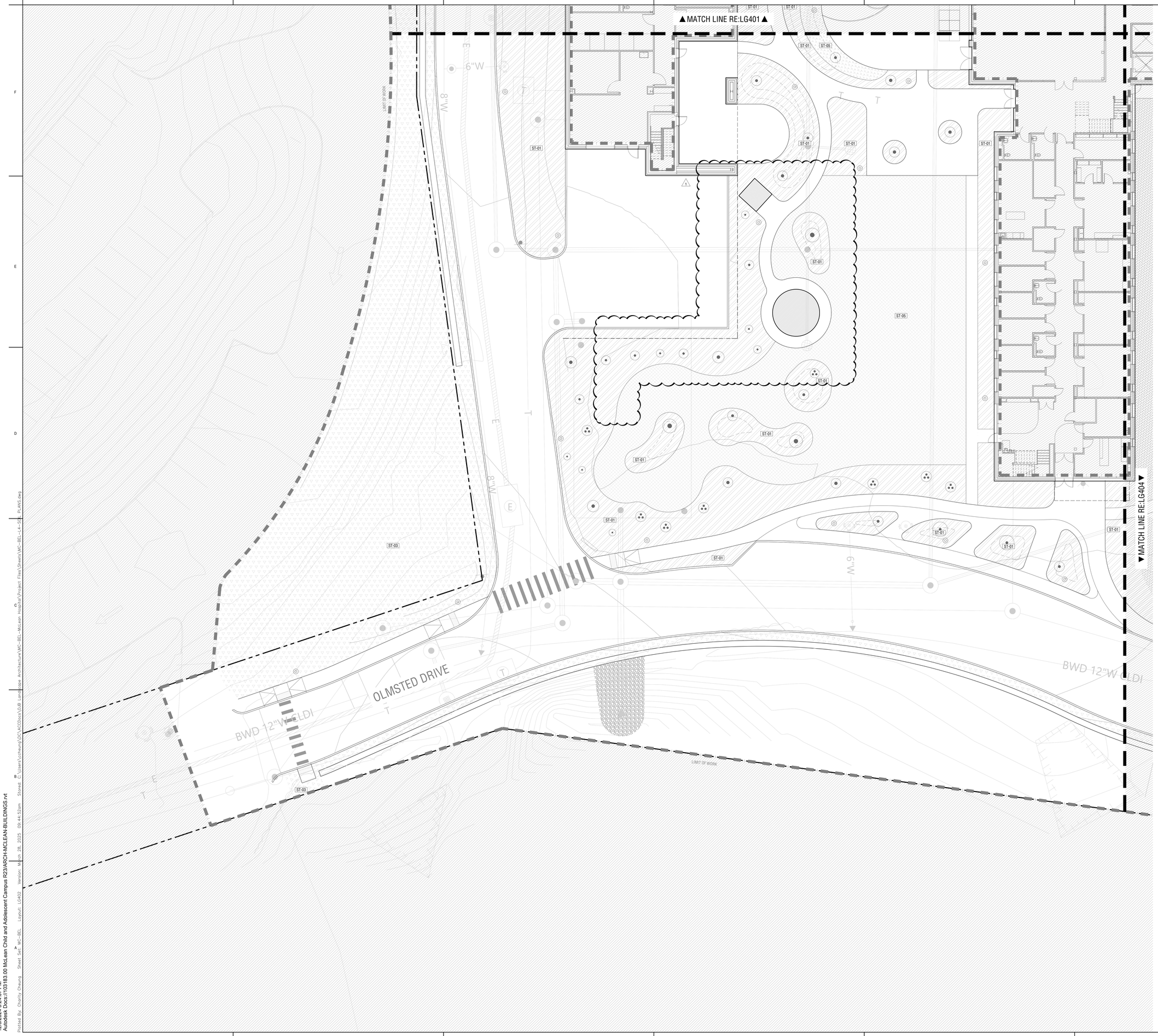

SOILS LEGEND

SYMBOL	DESCRIPTION
ST-01	SOIL TYPE 1 - PLANTING SOIL MIX IMPORTED ORNAMENTAL PLANTING SOIL MIX TO 18" DEPTH AT PLANTS AND 48" DEPTH AT TREES
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ST-03	SOIL TYPE 3 - PLANTING SOIL MIX AMENDED ORNAMENTAL PLANTING SOIL MIX TO 12" DEPTH AT PLANTS AND 42" DEPTH AT TREES
ST-04	NOT USED
ST-05	SOIL TYPE 5 - TURF SOIL MIX IMPORTED HIGH USE LAWN SOIL MIX TO 9" DEPTH
	TREE LOCATIONS
	ROOT BARRIER
	6" DEEP SWALE TO PREVENT PONDING AT PAVING EDGE. RE: DETAIL XX/LX.XX
XX	ORNAMENTAL BERMING AND TOPOGRAPHY
X.XX	PROPOSED SPOT GRADE. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
1%	PROPOSED FINISH SLOPE. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
	LANDSCAPE DRAIN LOCATION - RIM ELEVATION, COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.

NOTES:

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7. REFER TO CIVIL DRAWINGS FOR ALL GRADING AND DRAINAGE CONDITIONS. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.

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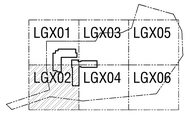
SCALE: 1"=10'-0"



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MASSACHUSETTS JAMES D BURNETT NO. 4078 LICENSED LANDSCAPE ARCHITECT

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME

SOIL & GRADING PLAN

SHEET NUMBER

LG402

12/3/2024 5:24:07 PM
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SOILS LEGEND

SYMBOL	DESCRIPTION
ST-01	SOIL TYPE 1 - PLANTING SOIL MIX IMPORTED ORNAMENTAL PLANTING SOIL MIX TO 18" DEPTH AT PLANTS AND 48" DEPTH AT TREES
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	TREE LOCATIONS
	ROOT BARRIER
	6" DEEP SWALE TO PREVENT PONDING AT PAVING EDGE. RE: DETAIL XX/LX.XX
XX	ORNAMENTAL BERMING AND TOPOGRAPHY
X.XX	PROPOSED SPOT GRADE. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
1%	PROPOSED FINISH SLOPE, COORDINATE WITH CIVIL GRADING, NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
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0 5 10 20
SCALE: 1"=10'-0"

LGX01	LGX03	LGX05
LGX02	LGX04	LGX06

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REVISIONS

MARK	DATE	DESCRIPTION

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PROJECT ARCHITECT AC, CC

SHEET NAME
SOIL PLAN

SHEET NUMBER
LG403

12/3/2024 5:24:07 PM
Autodesk Docs://103183.00 McLean Child and Adolescent Campus R23/ARCH-MCLEAN-BUILDINGS.rvt
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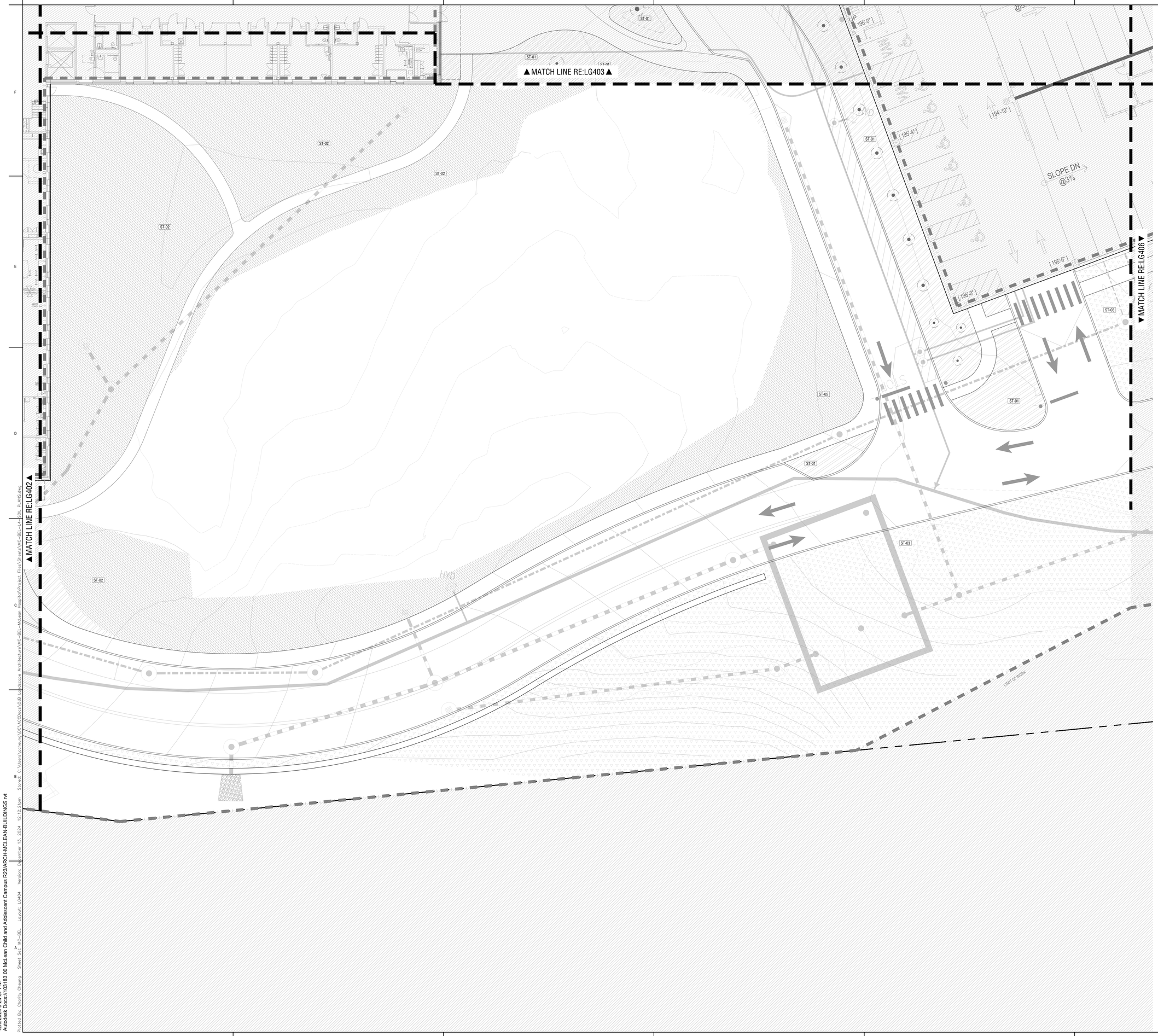

SOILS LEGEND

SYMBOL	DESCRIPTION
ST-01	SOIL TYPE 1 - PLANTING SOIL MIX IMPORTED ORNAMENTAL PLANTING SOIL MIX TO 18" DEPTH AT PLANTS AND 48" DEPTH AT TREES
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X.XX	PROPOSED SPOT GRADE. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
1%	PROPOSED FINISH SLOPE. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
	LANDSCAPE DRAIN LOCATION - RIM ELEVATION. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.

NOTES:

1. CONTRACTOR TO INSTALL ROOTBARRIERS ALONG EDGE OF PAVING FOR ANY TREE WITHIN 5' OF PAVING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION OF EXISTING FILL MATERIAL AND THE INSTALLATION OF SOILS AS INDICATED ON THE PLANS.
3. CONTRACTOR RESPONSIBLE FOR THE PROTECTION OF EXISTING WATERPROOFING, PROTECTION BOARD AND ALL APPURTENANCES.
4. SOIL AMENDMENT AROUND EXISTING TREES TO OCCUR OUTSIDE OF CRITICAL ROOT ZONE. CONSULT WITH ARBORIST TO DETERMINE CRITICAL ROOT ZONE LIMITS.
5. UTILIZE FIBER SOIL STABILIZER AT PLANTING AREAS THAT EXCEED A 10% SLOPE. UTILIZE STAYLOK FIBER FROM STABILIZER SOLUTIONS, OR APPROVED EQUAL. APPLY AT A RATE OF 7 LBS PER TON OF PLANTING SOIL (OR GREATER IF REQUIRED BY MANUFACTURER). FIBER SOIL STABILIZER TO BE MIXED IN PLANTING SOIL PRIOR TO DELIVERY TO THE JOB SITE.
6. UTILIZE ENKA MAT 3D ON ALL PLANTING SLOPES THAT EXCEED 20%. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. UTILIZE LANDSCAPE STAPLES AT A MINIMUM OF 24 INCHES ON CENTER TO SECURE ENKA MAT.
7. REFER TO CIVIL DRAWINGS FOR ALL GRADING AND DRAINAGE CONDITIONS. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.

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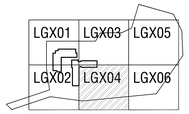

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MASSACHUSETTS JAMES D BURNETT NO. 4005 REGISTERED LANDSCAPE ARCHITECT

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME
SOIL PLAN

SHEET NUMBER
LG404

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SOILS LEGEND

SYMBOL	DESCRIPTION
ST-01	SOIL TYPE 1 - PLANTING SOIL MIX IMPORTED ORNAMENTAL PLANTING SOIL MIX TO 18" DEPTH AT PLANTS AND 48" DEPTH AT TREES
ST-02	SOIL TYPE 2 - REFORESTATION AMENDED SOIL MIX EXISTING SOIL TO BE AMENDED IN PLACE TO 18" DEPTH EXCEPT AT EXISTING TREE ROOTS.
ST-03	SOIL TYPE 3 - PLANTING SOIL MIX AMENDED ORNAMENTAL PLANTING SOIL MIX TO 12" DEPTH AT PLANTS AND 42" DEPTH AT TREES
ST-04	SOIL TYPE 4 - MEADOW PLANTING SOIL MIX AMENDED ORNAMENTAL PLANTING SOIL MIX TO 18" DEPTH AT PLANTS AND 42" DEPTH AT TREES
ST-05	SOIL TYPE 5 - TURF SOIL MIX IMPORTED HIGH USE LAWN SOIL MIX TO 9" DEPTH
	TREE LOCATIONS
	ROOT BARRIER
	6" DEEP SWALE TO PREVENT PONDING AT PAVING EDGE. RE: DETAIL XX/LX.XX
XX	ORNAMENTAL BERMING AND TOPOGRAPHY
X.XX	PROPOSED SPOT GRADE. COORDINATE WITH CIVIL GRADING. NOTIFY CIVIL ENGINEER AND LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES.
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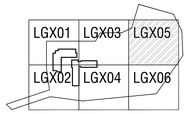

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MASSACHUSETTS JAMES D BURNETT NO. 4000 REGISTERED LANDSCAPE ARCHITECT

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NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME

SOIL PLAN

SHEET NUMBER

LG405

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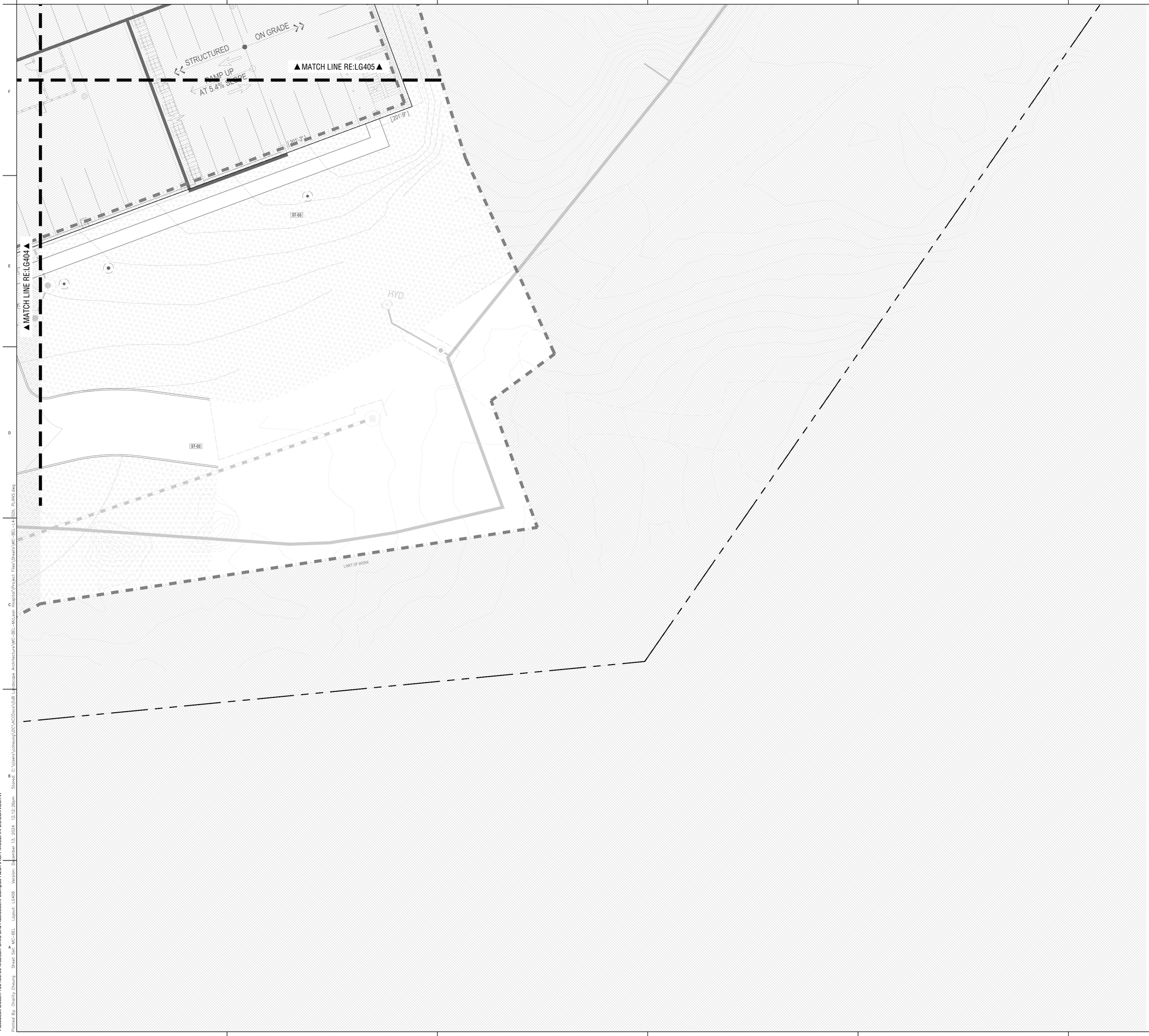

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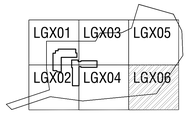

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MASSACHUSETTS JAMES D BURNETT NO. 4025 REGISTERED LANDSCAPE ARCHITECT

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME
SOIL PLAN

SHEET NUMBER
LG406

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PLANTING NOTES:

1. REFER TO THE SPECIFICATIONS FOR PLANTING REQUIREMENTS, MATERIALS, AND EXECUTION.
2. ALL TREES SHALL BE TAGGED BY THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE.
3. FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR IS TO DO THE FOLLOWING BEFORE BEGINNING PLANTING OPERATIONS.
   - 3.1. SHRUBS - LAY OUT THE ACTUAL CONTAINERS ONSITE PRIOR TO DIGGING HOLES.
   - 3.2. TREES - STAKE THE LOCATIONS PRIOR TO DIGGING HOLES. ANY TREE PLANTED WITHOUT ITS FINAL LOCATION APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE MAY BE REQUESTED TO BE RELOCATED AT THE SOLE EXPENSE OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE AT LEAST 48 HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT OBSERVATION SCHEDULE.
5. IF CONFLICTS ARISE BETWEEN THE ACTUAL SIZE OF THE AREAS ON THE SITE AND THE DRAWINGS THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE FOR RESOLUTION. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
6. ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM UNLESS NOTED OTHERWISE ON THE DRAWINGS.
7. ALL SHRUB AND GROUND COVER AREAS (EXCLUDING TURF AND SLOPE AREAS) ARE TO BE MULCHED WITH WOOD PER SPECIFICATIONS. REFER TO THE DRAWINGS FOR SPECIFIC LOCATIONS.
8. AFTER FINISH GRADES HAVE BEEN ESTABLISHED FOR ALL ON-GRADE PLANTING AREAS, THE CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY A QUALIFIED SOILS TESTING LABORATORY FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY, AND SOIL PREPARATION RECOMMENDATIONS. THE CONTRACTOR MAY BE REQUESTED TO AMEND THE SOIL TO CONFORM TO THE RECOMMENDATIONS HOWEVER ANY AMENDMENT THAT MIGHT BE REQUESTED OF THE CONTRACTOR SHALL ONLY BE UPON RECEIPT OF A WRITTEN CHANGE ORDER FROM THE OWNER.

IRRIGATION NOTES:

1. ALL PLANTED ON THE LEVEL 02 ROOF SHALL BE 100% IRRIGATED WITH LOW VOLUME DROP, AUTOMATICALLY CONTROLLED WITH STATE-OF-THE-ART IRRIGATION CONTROLLER TO BE LOCATED BY THE LANDSCAPE ARCHITECT, ARCHITECT, AND MEP ENGINEER. CONTRACT PROVIDE DELEGATED DESIGN SHOP DRAWINGS OF IRRIGATION SYSTEM FOR APPROVAL BY LANDSCAPE ARCHITECT.
2. IRRIGATION BOXES ARE TO BE LOCATED TO THE BACK OF PLANTING AREAS AWAY FROM VIEW. BOXES TO BE SPACED TO ALLOW A MINIMUM OF 1 ROW OF PLANTING BETWEEN BOXES. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF IRRIGATION EQUIPMENT LAYOUT FOR APPROVAL BY THE LANDSCAPE ARCHITECT.
3. PLANTING AREAS ON THE PROJECT SITE LEVEL ARE NOT IRRIGATED WITH AN IRRIGATION SYSTEM. ALL PLANTING AREAS ARE PLANTED WITH NATIVE OR ADAPTIVE PLANTS AND SHALL BE HAND WATERED BY THE OWNER AT THEIR REQUEST. LANDSCAPE CONTRACTOR SHALL PROVIDE ALL WATERING OF PLANTS THROUGH SUBSTANTIAL COMPLETION AND ESTABLISHMENT PERIOD TO ENSURE PLANT SUCCESS. LANDSCAPE ARCHITECT HOLDS NO LIABILITY FOR PLANT HEALTH AT ANY PLANTING AREAS NOT IRRIGATED WITH AN IRRIGATION SYSTEM.
4. UPON COMPLETION, CONTRACTOR TO PROVIDE OWNER WITH OPERATION AND MAINTENANCE MANUAL, PRODUCT DATA AND WARRANTIES, COMPLETE AS-BUILT RECORD DRAWINGS AND CONTROLLER CHARTS. OPERATION AND MAINTENANCE MANUAL SHALL INCLUDE WATER REQUIREMENTS AND HAND WATERING SCHEDULE FOR ALL PLANTING AREAS.

EXAMPLE PLANTS LIST:

AMSONIA X 'BLUE ICE'
ARCTOSTAPHYLOS UVA-URSI
ARUNCUS C 'MISTY LACE'
ARUNCUS 'CHANTILLY LACE'
ASTIBE X ARENDSII 'SNOWDRIFT'
BOUTELOUA GRACILIS
CAREX PENSYLANICA
CAREX TUMULICOLA
CIMICIFUGA RACEMOSA
DENNSTAEDTIA PUNCTILOBULA
HEUCHERA VILLOSA 'AUTUMN BRIDE'
ILEX PEDUNCULOSA, LINDERA BENZOIN
ILEX VERTICILLATA 'RED SPRITE'
LEUCOTHOE AXILLARIS 'COMPACTA'
PAXISTIMA CANIBYI
RHODODENRON MAXIMUM ALBUM
RHODODENRON 'POHJOLA 'SDAUGHTER'
RHUS AROMATICA 'GRO- LOW'
TAXUS X MEDIA 'EVERLOW'
TAXUS X MEDIA 'TAUNTONII'
VIBURUM DENTATUM 'BLUE MUFFIN'
VIRURNUM X PRAGENSE
XANTHORHIZA SIMPICISSIMA

PLANTING SCHEDULE

KEY	SYM	DESCRIPTION	DETAIL	SIZE	REQUIRED CHARACTERISTICS	COMMENTS
TREES						
AR		ACER RUBRUM / RED MAPLE	-	4" MIN CALIPER or 10-12' HEIGHT	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5'-0" OF ANY TREE ROOTBALL.
BN		BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	-	12-14' HEIGHT	MATCHED SPECIMENS, CONSISTENT BRANCHING	PLANTED 15'-0" O.C. FOR 50% OF AREA AT ALL REGRADED STEEP SLOPES AND ADJACENT TO ARCHEOLOGICAL SITE. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
CB		CARPINUS BETULUS / EUROPEAN HORNBEAM	-	2" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5'-0" OF ANY TREE ROOTBALL.
CE		CERCIS CANADENSIS / EASTERN REDBUD MULTI-TRUNK	-	10' HEIGHT	MATCHED SPECIMENS, CONSISTENT BRANCHING	PLANTED 15'-0" O.C. FOR 50% OF AREA AT ALL REGRADED STEEP SLOPES AND ADJACENT TO ARCHEOLOGICAL SITE. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
CK		CORNUS KOUSA / KOUSA DOGWOOD	-	12'-14' HEIGHT	MATCHED SPECIMENS, CONSISTENT BRANCHING	PLANTED 15'-0" O.C. FOR 50% OF AREA AT ALL REGRADED STEEP SLOPES AND ADJACENT TO ARCHEOLOGICAL SITE. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
CN		CLADASTRIS KENTUCKEA / YELLOWWOOD	-	4" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
GT		GLEDITSIA TRIACANTHOS / HONEY LOCUST	-	6" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
IA		ILEX OPACA / AMERICAN HOLLY	-	10'-12' HEIGHT	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
JE		JUNIPERUS VIRGINIANA 'BURKII' / EASTERN RED CEDAR	-	8'-10' HEIGHT	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
LT		LIRIODENDRON TULIPIFERA / TULIP POPLAR	-	4" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
MS		MAGNOLIA VIRGINIANA / SWEET BAY	-	10'-12' HEIGHT	MATCHED SPECIMENS, CONSISTENT BRANCHING	PLANTED 15'-0" O.C. FOR 50% OF AREA AT ALL REGRADED STEEP SLOPES AND ADJACENT TO ARCHEOLOGICAL SITE. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
PA		PICEA ABIES / NORWAY SPRUCE	-	10'-12' HEIGHT	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
QM		QUERCUS MACROCARPA / BURR OAK	-	4" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
QM2		QUERCUS MACROCARPA / BURR OAK	-	6" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
QP		QUERCUS PALUSTRIS / PIN OAK	-	4" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
QP2		QUERCUS PALUSTRIS / PIN OAK	-	6" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
QR		QUERCUS RUBRA / RED OAK	-	4" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
QR2		QUERCUS RUBRA / NORTHERN RED OAK	-	6" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
TI		THUJA X 'GREEN GIANT' / GREEN GIANT ARBORVITAE	-	8'-10' HEIGHT	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
UA		ULMUS AMERICANA / AMERICAN ELM	-	6" MIN CALIPER	BALLED AND BURLAPPED; MATCHED SPECIMENS, CONSISTENT BRANCHING	PROVIDE UNDERDRAINS FOR EACH TREE AND TIE INTO STORM SYSTEM ON ON-SITE RETENTION. SUBMIT IMAGES WITH NURSERY DATA PRIOR TO TAGGING TRIP. LANDSCAPE ARCHITECT TO APPROVE AND TAG PRIOR TO INSTALL. TREE LOCATIONS SHALL BE STAKED FOR REVIEW PRIOR TO INSTALL. ORIENTATION OF TREE SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5' OF ANY TREE ROOTBALL.
PLANTING						
ME		MEADOW	-	50% 1 GAL. MATERIAL @ 12" O.C. 50% PLUG MATERIAL @ 12" O.C.	FULLY ROOTED INTO CONTAINER SIZE. HEALTHY VIGOROUS GROWTH FREE OF WEEDS, PESTS, AND DISEASES	SPECIES TBD. PROVIDE $\frac{3}{8}$" X 4" BLACK ALUMINUM EDGING ADJACENT TO ALL BEDS FROM TURF AND STONE FINES PAVING. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5'-0" OF ANY TREE. SUBMIT IMAGES WITH NURSERY DATA AND PROVIDE MOCKUP FOR APPROVAL BY LANDSCAPE ARCHITECT
PA1		PLANTING TYPE 1	-	50% 1 GAL. MATERIAL @ 12" O.C. 25% 3 GAL. MATERIAL @ 36" O.C. 25% 5 GAL. MATERIAL @ 60" O.C.	FULLY ROOTED INTO CONTAINER SIZE. HEALTHY VIGOROUS GROWTH FREE OF WEEDS, PESTS, AND DISEASES	SPECIES TBD. PROVIDE $\frac{3}{8}$" X 4" BLACK ALUMINUM EDGING ADJACENT TO ALL BEDS FROM TURF AND STONE FINES PAVING. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5'-0" OF ANY TREE. SUBMIT IMAGES WITH NURSERY DATA AND PROVIDE MOCKUP FOR APPROVAL BY LANDSCAPE ARCHITECT
PA1A		PLANTING TYPE 1A	-	65% 1 GAL. MATERIAL @ 12" O.C. 20% 3 GAL. MATERIAL @ 36" O.C. 15% 5 GAL. MATERIAL @ 60" O.C.	FULLY ROOTED INTO CONTAINER SIZE. HEALTHY VIGOROUS GROWTH FREE OF WEEDS, PESTS, AND DISEASES	SPECIES TBD. PROVIDE $\frac{3}{8}$" X 4" BLACK ALUMINUM EDGING ADJACENT TO ALL BEDS FROM TURF AND STONE FINES PAVING. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5'-0" OF ANY TREE. SUBMIT IMAGES WITH NURSERY DATA AND PROVIDE MOCKUP FOR APPROVAL BY LANDSCAPE ARCHITECT
PA2		PLANTING TYPE 2A	-	85% 1 GAL. MATERIAL @ 12" O.C. 10% 3 GAL. MATERIAL @ 36" O.C. 5% 5 GAL. MATERIAL @ 60" O.C.	FULLY ROOTED INTO CONTAINER SIZE. HEALTHY VIGOROUS GROWTH FREE OF WEEDS, PESTS, AND DISEASES	SPECIES TBD. PROVIDE $\frac{3}{8}$" X 4" BLACK ALUMINUM EDGING ADJACENT TO ALL BEDS FROM TURF AND STONE FINES PAVING. PROVIDE 24" TREE ROOT BARRIER ALONG ALL HARDSCAPE WITHIN 5'-0" OF ANY TREE. SUBMIT IMAGES WITH NURSERY DATA AND PROVIDE MOCKUP FOR APPROVAL BY LANDSCAPE ARCHITECT
PA3		HYDROSEED	-	HYDROSEED WITH NATIVE PRAIRIE MIX	-	HYDROSEED WITH NATIVE PRAIRIE MIX. SUBMIT DATA FOR APPROVAL BY LANDSCAPE ARCHITECT
TA		SOD TURF	-	SOLID SLAB SOD	-	SOLID SLAB SOD. TURF AREA TO RECEIVE SPRAY IRRIGATION.

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MASSACHUSETTS JAMES D BURNETT NO. 4025 LICENSED LANDSCAPE ARCHITECT

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MCLEAN CHILD AND ADOLESCENT CAMPUS

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER	103183.00
PROJECT ARCHITECT	AC, CC
SHEET NAME	PLANTING SCHEDULE
SHEET NUMBER	LG600

12/3/2024 5:24:07 PM
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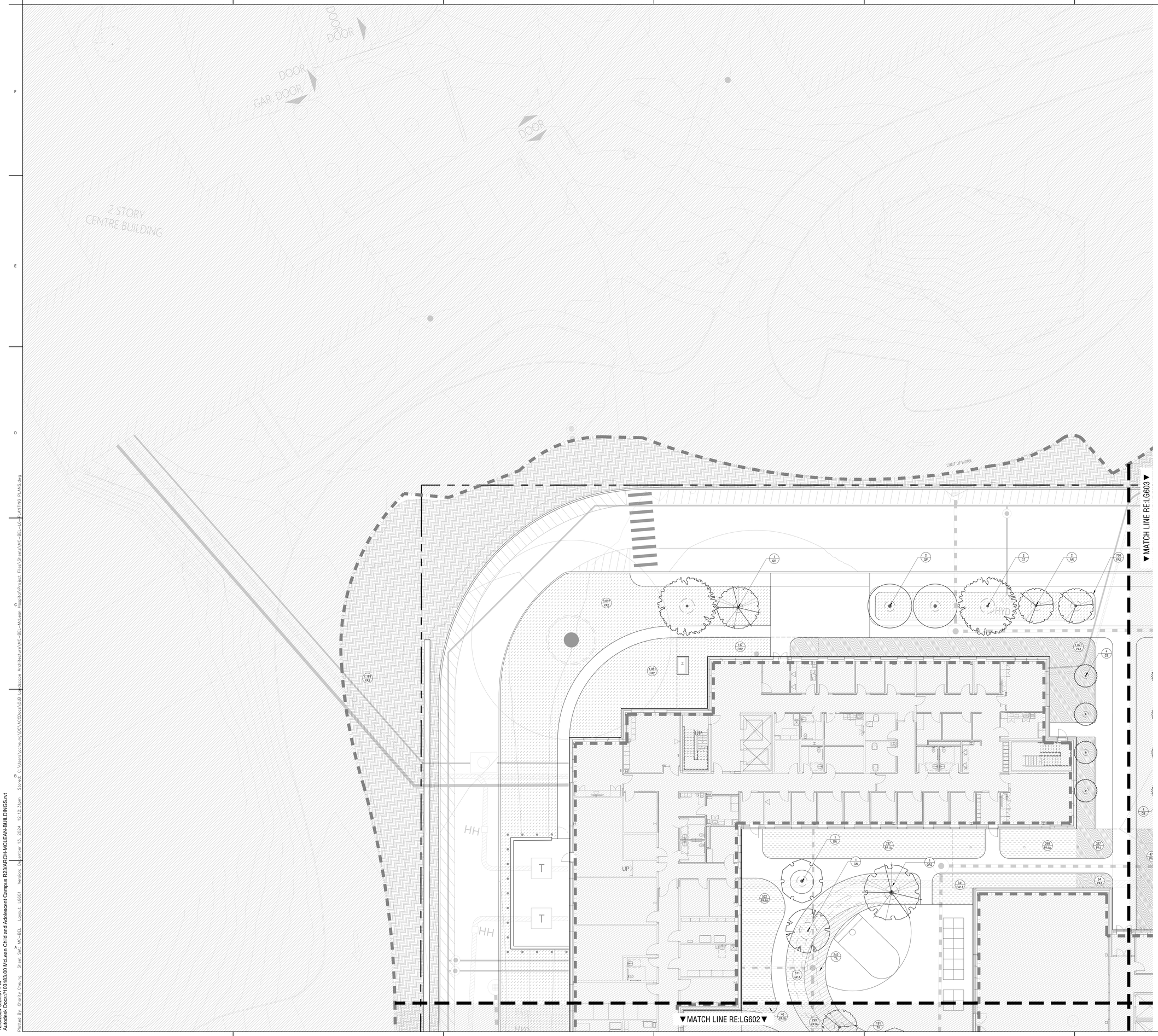


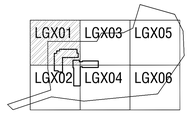
QUICK REFERENCE LEGEND

REFERENCE LG600 FOR FULL PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	AR	ACER RUBRUM / RED MAPLE	4" MIN CALIPER or 10-12' HEIGHT
	BN	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	12-14' HEIGHT
	CB	CARPINUS BETULUS / EUROPEAN HORNBEAM	2" MIN CALIPER
	CE	CERCIS CANADENSIS / EASTERN REDBUD MULTI-TRUNK	10' HEIGHT
	CK	CORNUS KOUSA / KOUSA DOGWOOD	12'-14' HEIGHT
	CN	CLADASTRIS KENTUCKEA / YELLOWWOOD	4" MIN CALIPER
	GT	GLEDITSIA TRIACANTHOS / HONEY LOCUST	6" MIN CALIPER
	IA	ILEX OPACA / AMERICAN HOLLY	10'-12' HEIGHT
	JE	JUNIPERUS VIRGINIANA 'BURKII' / EASTERN RED CEDAR	8'-10' HEIGHT
	LT	LIRIODENDRON TULIPIFERA / TULIP POPLAR	4" MIN CALIPER
	MS	MAGNOLIA VIRGINIANA / SWEET BAY	10'-12' HEIGHT
	PA	PICEA ABIES / NORWAY SPRUCE	10'-12' HEIGHT
	QM	QUERCUS MACROCARPA / BURR OAK	4" MIN CALIPER
	QM2	QUERCUS MACROCARPA / BURR OAK	6" MIN CALIPER
	QP	QUERCUS PALUSTRIS / PIN OAK	4" MIN CALIPER
	QP2	QUERCUS PALUSTRIS / PIN OAK	6" MIN CALIPER
	QR	QUERCUS RUBRA / RED OAK	4" MIN CALIPER
	QR2	QUERCUS RUBRA / NORTHERN RED OAK	6" MIN CALIPER
	TI	THUJA X 'GREEN GIANT' / GREEN GIANT ARBORVITAE	8'-10' HEIGHT
	UA	ULMUS AMERICANA / AMERICAN ELM	6" MIN CALIPER

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	CONTAINER
	ME	MEADOW	
	PA1	PLANTING TYPE 1	
	PA1A	PLANTING TYPE 1A	
	PA2	PLANTING TYPE 2	
	PA3	HYDROSEED	
	TA	SOD TURF	

0 5 10 20
SCALE: 1"=10'-0"



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719-408-8847

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME
PLANTING PLAN

SHEET NUMBER
LG601

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QUICK REFERENCE LEGEND

REFERENCE LG600 FOR FULL PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	AR	ACER RUBRUM / RED MAPLE	4" MIN CALIPER or 10-12' HEIGHT
	BN	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	12-14' HEIGHT
	CB	CARPINUS BETULUS / EUROPEAN HORNBEAM	2" MIN CALIPER
	CE	CERCIS CANADENSIS / EASTERN REDBUD MULTI-TRUNK	10' HEIGHT
	CK	CORNUS KOUSA / KOUSA DOGWOOD	12'-14' HEIGHT
	CN	CLADASTRIS KENTUCKEA / YELLOWWOOD	4" MIN CALIPER
	GT	GLEDITSIA TRIACANTHOS / HONEY LOCUST	6" MIN CALIPER
	IA	ILEX OPACA / AMERICAN HOLLY	10'-12' HEIGHT
	JE	JUNIPERUS VIRGINIANA 'BURKII' / EASTERN RED CEDAR	8'-10' HEIGHT
	LT	LIRIODENDRON TULIPIFERA / TULIP POPLAR	4" MIN CALIPER
	MS	MAGNOLIA VIRGINIANA / SWEET BAY	10'-12' HEIGHT
	PA	PICEA ABIES / NORWAY SPRUCE	10'-12' HEIGHT
	QM	QUERCUS MACROCARPA / BURR OAK	4" MIN CALIPER
	QM2	QUERCUS MACROCARPA / BURR OAK	6" MIN CALIPER
	QP	QUERCUS PALUSTRIS / PIN OAK	4" MIN CALIPER
	QP2	QUERCUS PALUSTRIS / PIN OAK	6" MIN CALIPER
	QR	QUERCUS RUBRA / RED OAK	4" MIN CALIPER
	QR2	QUERCUS RUBRA / NORTHERN RED OAK	6" MIN CALIPER
	TI	THUJA X 'GREEN GIANT' / GREEN GIANT ARBORVITAE	8'-10' HEIGHT
	UA	ULMUS AMERICANA / AMERICAN ELM	6" MIN CALIPER

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	CONTAINER
	PA1	PLANTING TYPE 1	
	PA1A	PLANTING TYPE 1A	
	PA2	PLANTING TYPE 2	
	PA3	HYDROSEED	
	TA	SOD TURF	

ABBREVIATIONS AND SYMBOLS

EXISTING TREE LOCATIONS

0 5 10 20
SCALE: 1"=10'-0"

LGX01 LGX03 LGX05
LGX02 LGX04 LGX06

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MASSACHUSETTS JAMES D BURNETT NO. 4078 LANDSCAPE ARCHITECT

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REVISIONS

MARK	DATE	DESCRIPTION
1	03/28/25	PLAN REVISIONS

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME

PLATING PLAN

SHEET NUMBER

LG602

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QUICK REFERENCE LEGEND

REFERENCE LG600 FOR FULL PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	AR	ACER RUBRUM / RED MAPLE	4" MIN CALIPER or 10-12' HEIGHT
	BN	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	12-14' HEIGHT
	CB	CARPINUS BETULUS / EUROPEAN HORNBEAM	2" MIN CALIPER
	CE	CERCIS CANADENSIS / EASTERN REDBUD MULTI-TRUNK	10' HEIGHT
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	JE	JUNIPERUS VIRGINIANA 'BURKII' / EASTERN RED CEDAR	8'-10' HEIGHT
	LT	LIRIODENDRON TULIPIFERA / TULIP POPLAR	4" MIN CALIPER
	MS	MAGNOLIA VIRGINIANA / SWEET BAY	10'-12' HEIGHT
	PA	PICEA ABIES / NORWAY SPRUCE	10'-12' HEIGHT
	QM	QUERCUS MACROCARPA / BURR OAK	4" MIN CALIPER
	QM2	QUERCUS MACROCARPA / BURR OAK	6" MIN CALIPER
	QP	QUERCUS PALUSTRIS / PIN OAK	4" MIN CALIPER
	QP2	QUERCUS PALUSTRIS / PIN OAK	6" MIN CALIPER
	QR	QUERCUS RUBRA / RED OAK	4" MIN CALIPER
	QR2	QUERCUS RUBRA / NORTHERN RED OAK	6" MIN CALIPER
	TI	THUJA X 'GREEN GIANT' / GREEN GIANT ARBORVITAE	8'-10' HEIGHT
	UA	ULMUS AMERICANA / AMERICAN ELM	6" MIN CALIPER

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	CONTAINER
	ME	MEADOW	
	PA1	PLANTING TYPE 1	
	PA1A	PLANTING TYPE 1A	
	PA2	PLANTING TYPE 2	
	PA3	HYDROSEED	
	TA	SOD TURF	

0 5 10 20
SCALE: 1"=10'-0"

LGX01	LGX03	LGX05
LGX02	LGX04	LGX06

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

SHEET NAME
PLANTING PLAN

SHEET NUMBER
LG603

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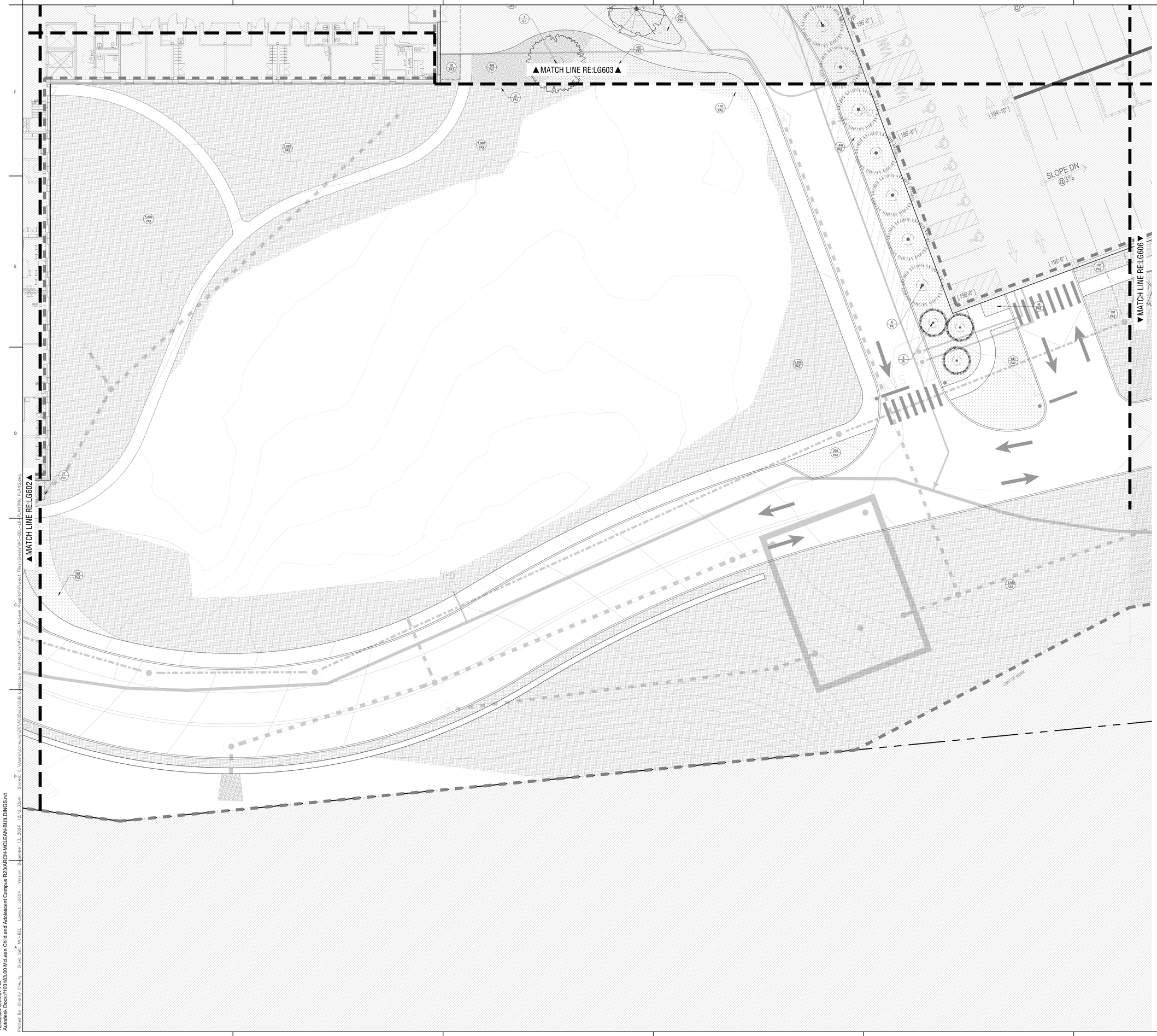

QUICK REFERENCE LEGEND

REFERENCE LG600 FOR FULL PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	AR	ACER RUBRUM / RED MAPLE	4" MIN CALIPER or 10-12' HEIGHT
	BN	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	12-14' HEIGHT
	CB	CARPINUS BETULUS / EUROPEAN HORNBEAM	2" MIN CALIPER
	CE	CERCIS CANADENSIS / EASTERN REDBUD MULTI-TRUNK	10' HEIGHT
	CK	CORNUS KOUSA / KOUSA DOGWOOD	12'-14' HEIGHT
	CN	CLADASTRIS KENTUCKEA / YELLOWWOOD	4" MIN CALIPER
	GT	GLEDITSIA TRIACANTHOS / HONEY LOCUST	6" MIN CALIPER
	IA	ILEX OPACA / AMERICAN HOLLY	10'-12' HEIGHT
	JE	JUNIPERUS VIRGINIANA 'BURKII' / EASTERN RED CEDAR	8'-10' HEIGHT
	LT	LIRIODENDRON TULIPIFERA / TULIP POPLAR	4" MIN CALIPER
	MS	MAGNOLIA VIRGINIANA / SWEET BAY	10'-12' HEIGHT
	PA	PICEA ABIES / NORWAY SPRUCE	10'-12' HEIGHT
	QM	QUERCUS MACROCARPA / BURR OAK	4" MIN CALIPER
	QM2	QUERCUS MACROCARPA / BURR OAK	6" MIN CALIPER
	QP	QUERCUS PALUSTRIS / PIN OAK	4" MIN CALIPER
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	QR2	QUERCUS RUBRA / NORTHERN RED OAK	6" MIN CALIPER
	TI	THUJA X 'GREEN GIANT' / GREEN GIANT ARBORVITAE	8'-10' HEIGHT
	UA	ULMUS AMERICANA / AMERICAN ELM	6" MIN CALIPER

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	CONTAINER
	ME	MEADOW	
	PA1	PLANTING TYPE 1	
	PA1A	PLANTING TYPE 1A	
	PA2	PLANTING TYPE 2	
	PA3	HYDROSEED	
	TA	SOD TURF	

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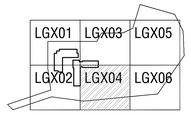
SCALE: 1"=10'-0"



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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

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SHEET NAME
PLANTING PLAN

SHEET NUMBER
LG604

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QUICK REFERENCE LEGEND

REFERENCE LG600 FOR FULL PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	AR	ACER RUBRUM / RED MAPLE	4" MIN CALIPER or 10-12' HEIGHT
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	PA2	PLANTING TYPE 2	
	PA3	HYDROSEED	
	TA	SOD TURF	

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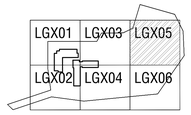

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PLANTING PLAN

SHEET NUMBER
LG605

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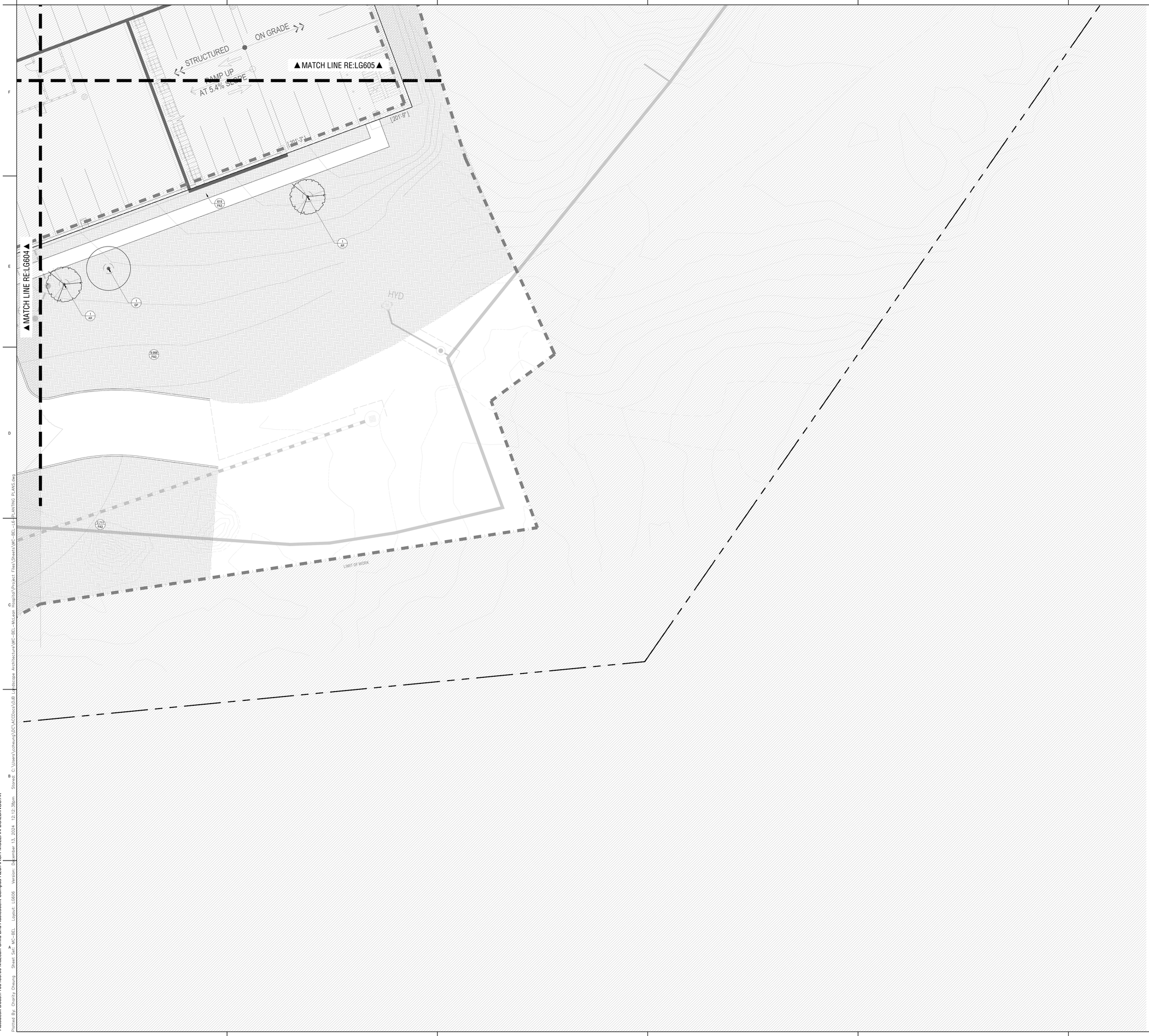

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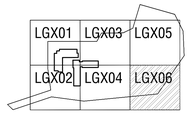
SCALE: 1"=10'-0"



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SHEET NAME
PLANTING PLAN

SHEET NUMBER
LG606

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT AC, CC

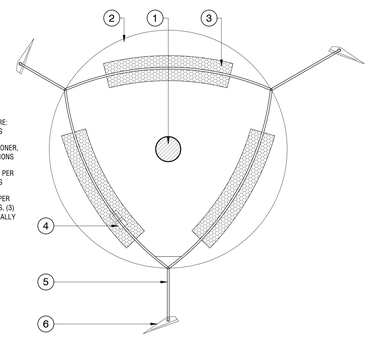
SHEET NAME

PLANTING DETAILS

SHEET NUMBER

LG701

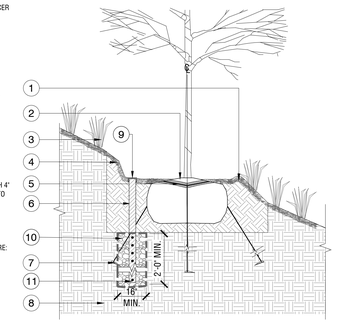
1 TREE TRUNK
2 ROOTBALL
3 ANCHOR MAT, RE: SPECIFICATIONS
4 RATCHET TENSIONER, RE: SPECIFICATIONS
5 ANCHOR CABLE PER SPECIFICATIONS
6 TREE ANCHOR PER SPECIFICATIONS, (3) PER TREE - EQUALLY SPACED



SCALE: 1" = 1'-0"

PLAN - TREE ANCHOR SYSTEM ON GRADE 09
BP-MC.BEL-28

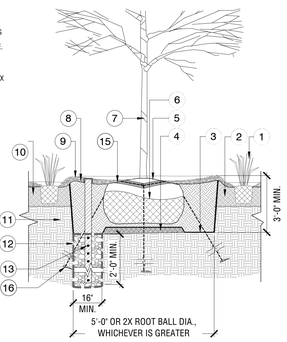
1 6" BERM AND WATERING SAUCER
2 TOP OF ROOTBALL TO BE 2" ABOVE SOIL
3 ADJACENT PLANTING
4 MULCH
5 ANCHOR MAT
6 PLANTING MIX - 2X WIDTH OF ROOTBALLS, 24" DEPTH
7 TREE ANCHOR - 3 PER TREE, DEPTH AND SIZE PER MANUFACTURER RECOMMENDATION
8 SUBGRADE
9 4" PVC INSPECTION TUBE WITH 4" VENT CAP. BOTTOM OF TUBE TO BE CONNECTED TO 4" PERFORATED DRAIN PIPE IN SUMP; RE: SPECS
10 DRAINAGE GRAVEL SUMP WRAPPED IN FILTER FABRIC, RE: SPECS
11 4" PERFORATED DRAIN PIPE WRAPPED IN FILTER FABRIC; RE: SPECS



SCALE: 3/8" = 1'-0"

SECTION - TREE PLANTING ON SLOPE 08
BP-MC.BEL-28

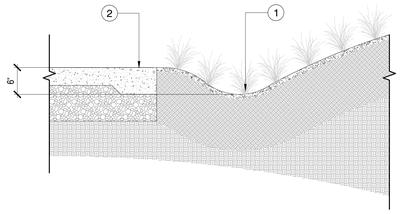
1 ADJACENT PLANTING; RE: PLANS
2 PLANTING MIX, RE: SPECS
3 SLOPE FLOOR OF TREE PIT TO DRAIN; RE: PLANS
4 COMPACTED SUBGRADE MOUND FOR DRAINAGE. REPLACING MOUND WITH DRAINAGE GRAVEL ACCEPTABLE.
5 ROOT FLARE TO BE 3" ABOVE SPECIFIED SOIL MIX
6 REMOVE BOX FROM TREE, BOTTOM OF BOX MUST ALSO BE REMOVED.
7 TREE TRUNK
8 3" TALL EARTHEN SAUCER
9 3" THICK MULCH LAYER
10 CONTRACTOR TO SCARIFY EDGE OF PLANTING PIT
11 UNDISTURBED SUBGRADE
12 DRAINAGE GRAVEL SUMP WRAPPED IN FILTER FABRIC, RE: SPECS
13 4" PVC INSPECTION TUBE WITH 4" VENT CAP. BOTTOM OF TUBE TO BE CONNECTED TO 4" PERFORATED DRAIN PIPE IN SUMP; RE: SPECS
15 ANCHOR MAT RE: SPECIFICATIONS
16 TREE ANCHOR - (3) PER TREEDEPTH AND SIZE PER MANUFACTURER RECOMMENDATIONS



SCALE: 3/8" = 1'-0"

SECTION - TREE PLANTING IN LANDSCAPE AREA 07
BP-MC.BEL-30

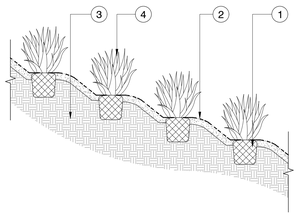
1 SHALLOW SWALE BETWEEN MOUNDED OR SLOPED PLANT BED AND ADJACENT PAVEMENT
2 ADJACENT PAVING, REFER TO PLANS



SCALE: 1" = 1'-0"

SECTION-PLANT BED EDGE SWALE 06
BP-MC.BEL-29

1 TOP OF ROOTBALL TO BE 1" ABOVE SOIL MIX, TYP.
2 3" BERM AND WATERING SAUCER
3 PLANTING MIX, RE: PLANTING PLAN
4 PLANTING, RE: PLANTING PLAN



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

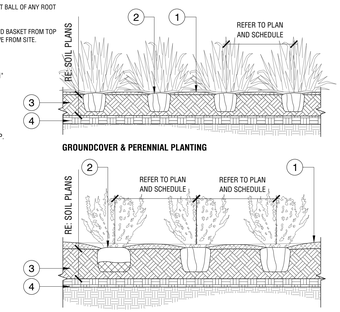
SECTION - SHRUB AND PERENNIAL PLANTING ON SLOPE 05
BP-MC.BEL-24

NOTES:

A. FOR CONTAINER: LOOSEN ROOT BALL OF ANY ROOT BOUND PLANTS

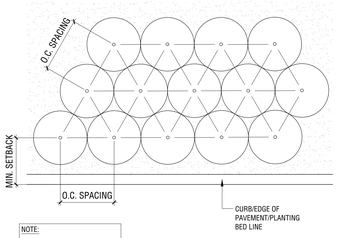
B. FOR B&B: REMOVE BURLAP AND BASKET FROM TOP 2/3 OF ROOT BALL AND REMOVE FROM SITE.

1 3" MULCH LAYER, TYP.
2 TOP OF ROOT BALL TO BE 1" ABOVE SOIL MIX, TYP.
3 PLANTING MIX, RE: SOIL PLANS
4 PREPARED SUBGRADE, TILLED TO 4"-6" DEPTH, TYP.



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

SECTION - SHRUB AND PERENNIAL PLANTING 04
BP-MC.BEL-28

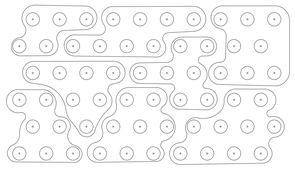


NOTE:

EDGE PLANT SHOULD BE THE MAJORITY IN THE PLANTING MIX.

SCALE: 3/8" = 1'-0"

DETAIL- PLANTING EDGE LAYOUT 03
BP-MC.BEL-26



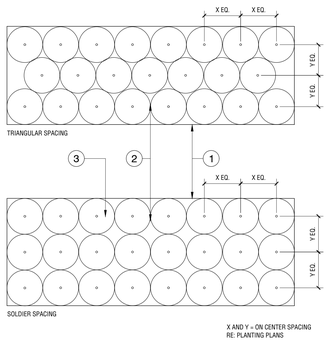
NOTE:

1. SPECIES DRIFTS OF 5-7-9 WITHIN PERENNIAL MIXES
2. KEEP GROUPS IN LONG, OVERLAPPING OVALS
3. APPLY SAME STRATEGY TO ALL MIXES

SCALE: 1/4" = 1'-0"

TYPICAL SPACING FOR PERENNIAL MIXES 02
BP-MC.BEL-27

1 EDGE OF PLANTING BED OR ADJACENT HARDSCAPE
2 PLANT SPACING AS PER PLANS
3 ALTERNATION SEQUENCE WHEN TWO PLANT SPECIES OCCUR IN THE SAME PLANTING AREA



X AND Y = ON CENTER SPACING
RE: PLANTING PLANS

SCALE: 1/4" = 1'-0"

PLAN - SHRUB AND GROUND COVER SPACING, TYPICAL 01
BP-MC.BEL-31

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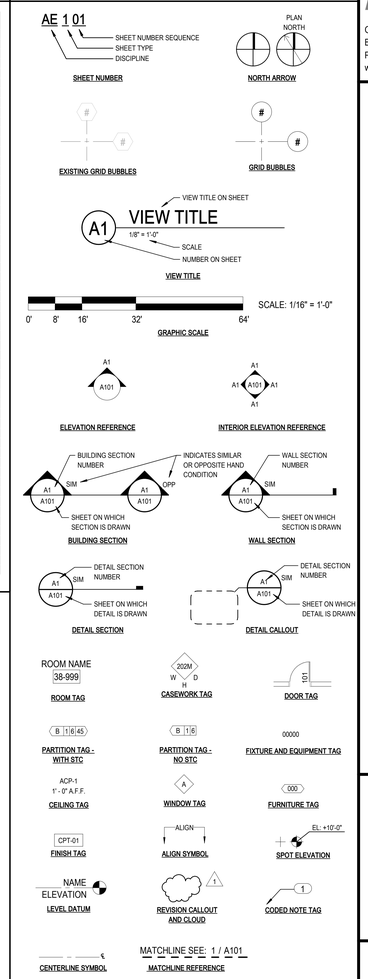
ABBREVIATIONS

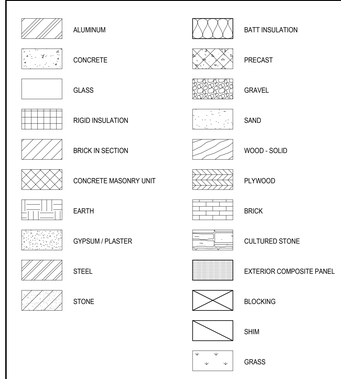
@	AT
ACC	ACCESSIBLE
ACP	ACOUSTIC CEILING PANEL(S)
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERATION
BLDG	BUILDING
BOT	BOTTOM
BW	BOTTOM OF WALL
CG	CORNER GUARD
CH	COAT HOOK
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT(S)
CTR	CENTER
CU	CUBIC
DEG	DEGREE
DIAG	DIAGONAL
DIAM	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DW	DISHWASHER
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR, ELEVATION
EQ	EQUAL
EXT	EXTERIOR
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FLR	FLOORLINE, FLOOR
FO	FACE OF
FS	FLOOR SINK
FT	FOOT, FEET
GA	GAUGE
GB	GRAB BAR
GFRP	GLASS FIBER REINFORCED PLASTIC
GL	GLASS
GLI	GLASS (INTERIOR)
GLU-LAM	GLUE LAMINATED
GYP BD	GYPSUM BOARD
HB	HOSE BIB
HD	HAND DRYER
HEX	HEXAGONAL
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT

HVAC	HEATING VENTILATION AND AIR CONDITIONING
ID	INSIDE DIAMETER
IGU	INSULATED GLASS UNIT
IN	INCH
INT	INTERIOR
J-BOX	JUNCTION BOX
JT	JOINT
LF	LINEAR FOOT
MAX	MAXIMUM
MIN	MINIMUM
MO	MASONRY OPENING
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PL	PLATE, PROPERTY LINE
PT	POINT
R	RADIUS, RISER
RD	ROOF DRAIN
REV	REVISION
RO	ROUGH OPENING
SF	SQUARE FEET
SIM	SIMILAR
SQ	SQUARE
SSG	STRUCTURAL SEALANT GLAZED
STD	STANDARD
T	TOP
TO	TOP OF
TOC	TOP OF CURB, TOP OF CONCRETE
TOS	TOP OF STEEL, TOP OF SLAB
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
WT	WEIGHT
YD	YARD

SYMBOLOGY LEGEND



MATERIAL LEGEND



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TELECOM:
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719-408-8847

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT Designer

SHEET NAME

ARCHITECTURAL NOTES AND SYMBOLS

SHEET NUMBER

AE001

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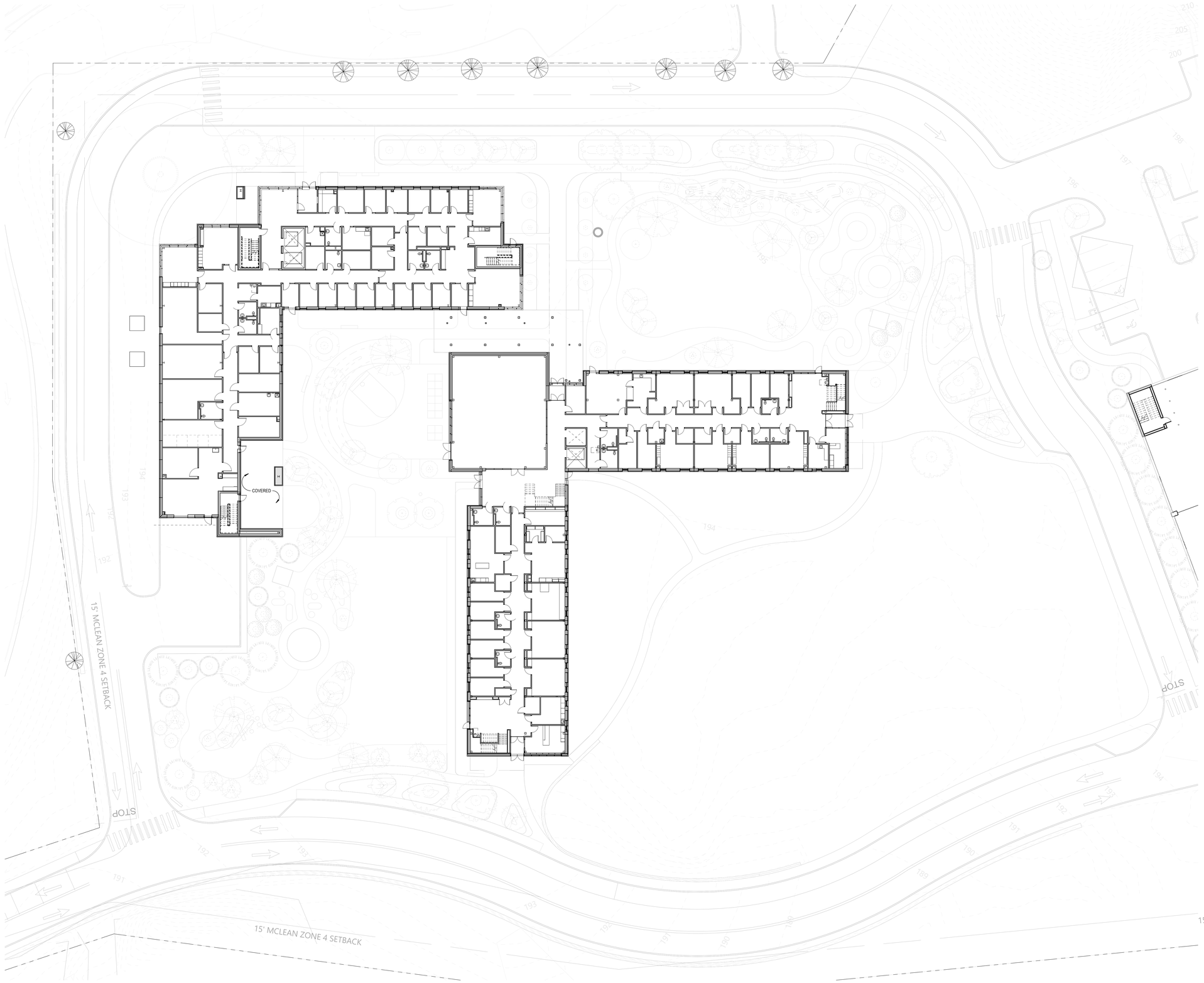

A1 OVERALL FLOOR PLAN - F1
1/16" = 1'-0"

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00
PROJECT ARCHITECT Designer

SHEET NAME
OVERALL FLOOR PLAN - F1

SHEET NUMBER
AE101

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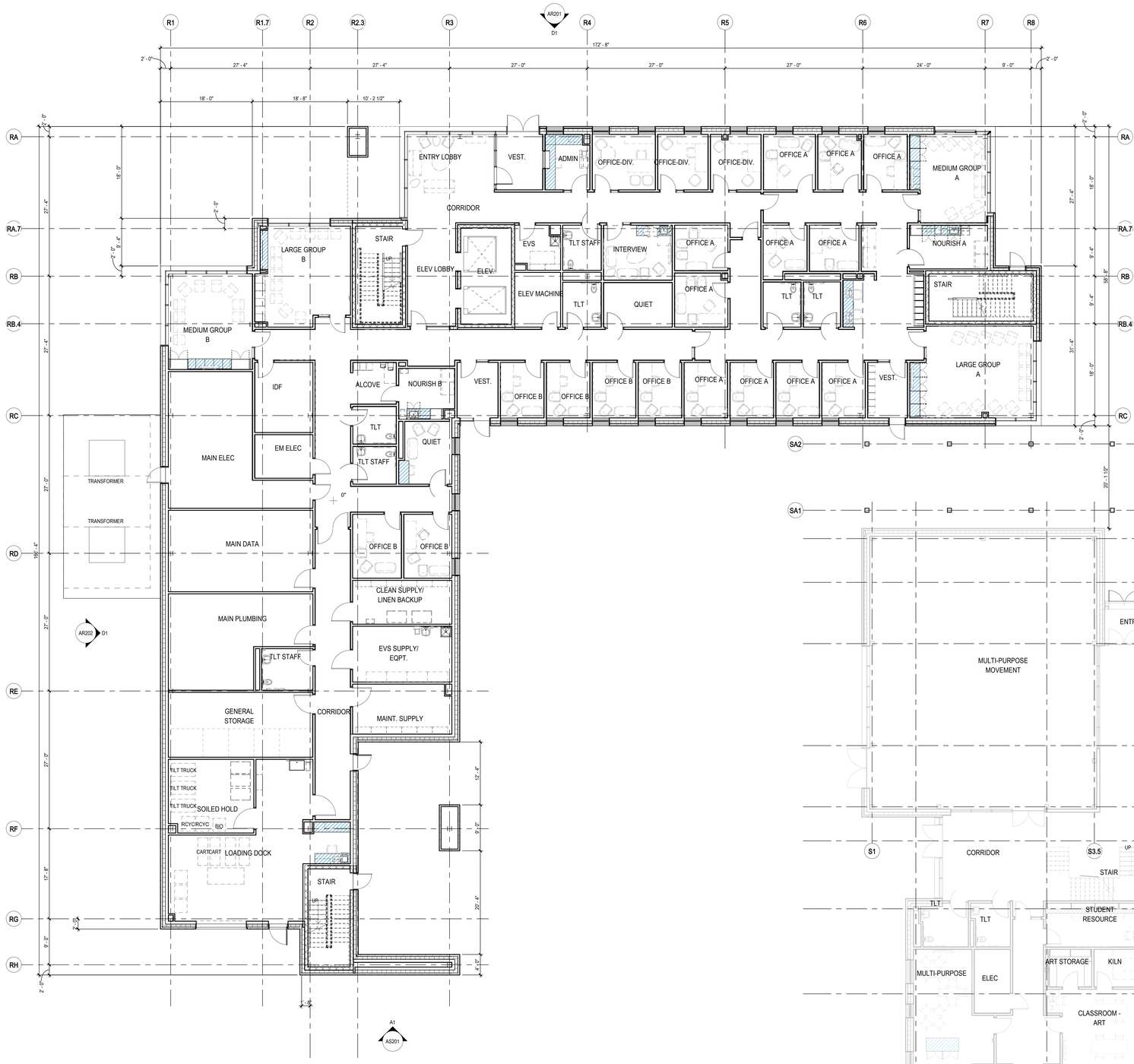
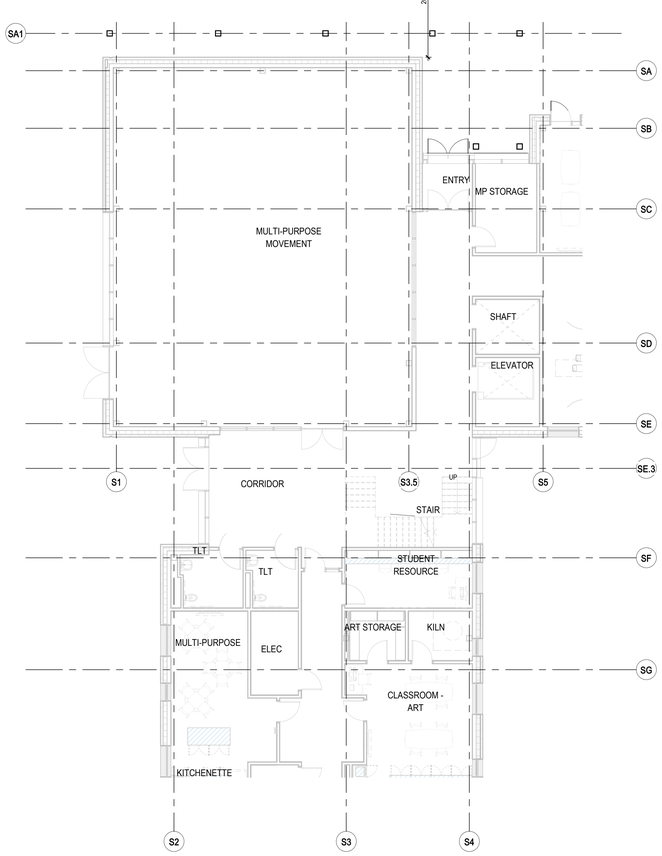


A1 OVERALL RESIDENTIAL PLAN - F1

1/8" = 1'-0"



FLOOR PLAN LEGEND

- CASEWORK SCOPE
- ROOF
- OVERHEAD
- F3 & F4 MACTH F2 LAYOUT

KEYPLAN

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No. 31077
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REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT Designer

SHEET NAME
OVERALL RESIDENTIAL PLAN - F1

SHEET NUMBER
AR101

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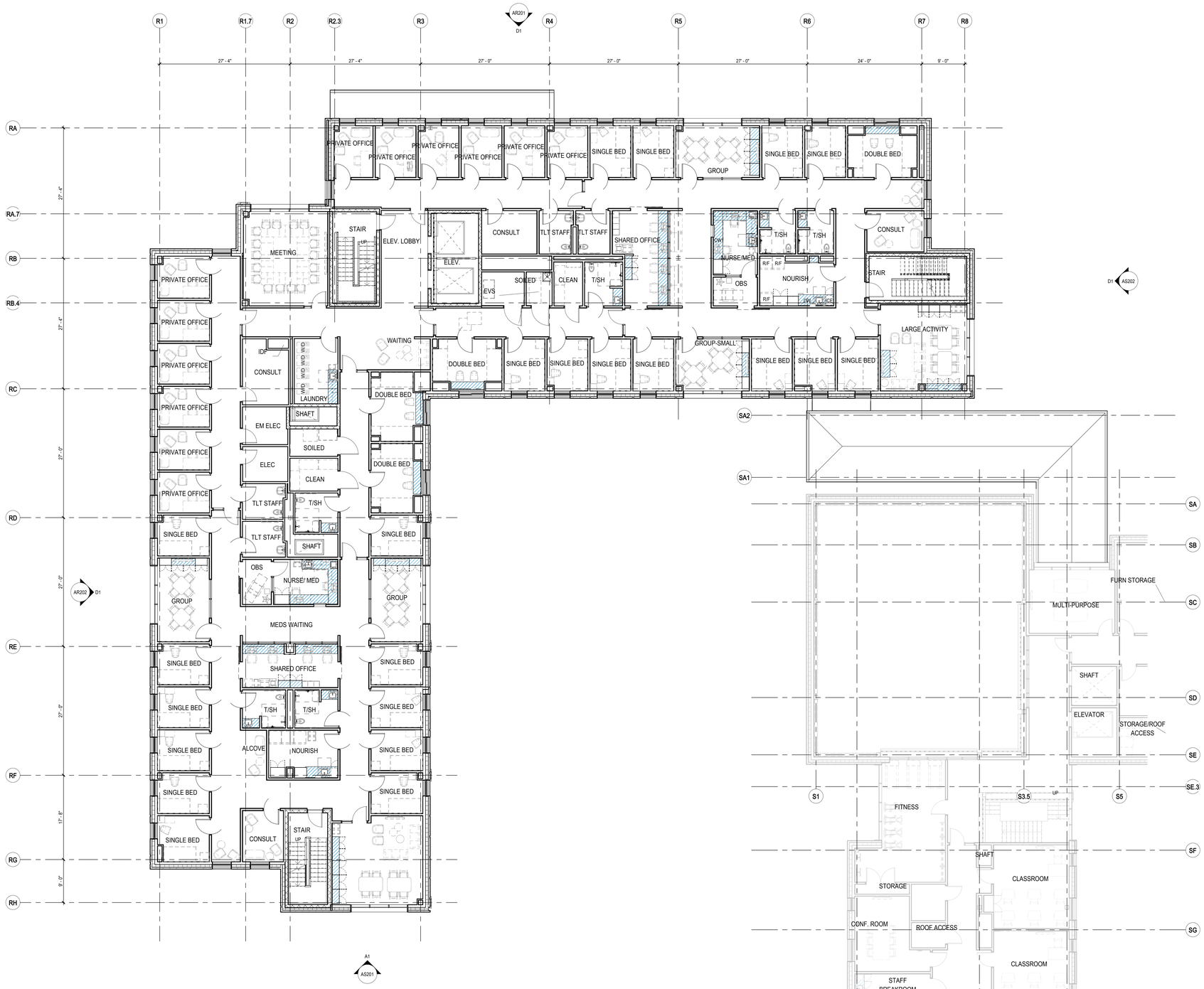

A1 OVERALL RESIDENTIAL PLAN - F2
1/8" = 1'-0"

FLOOR PLAN LEGEND

- CASEWORK SCOPE
- ROOF
- OVERHEAD
- F3 & F4 MACTH F2 LAYOUT

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STATE OF MISSOURI

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00
PROJECT ARCHITECT Designer
SHEET NAME
OVERALL RESIDENTIAL PLAN - F2
SHEET NUMBER
AR102

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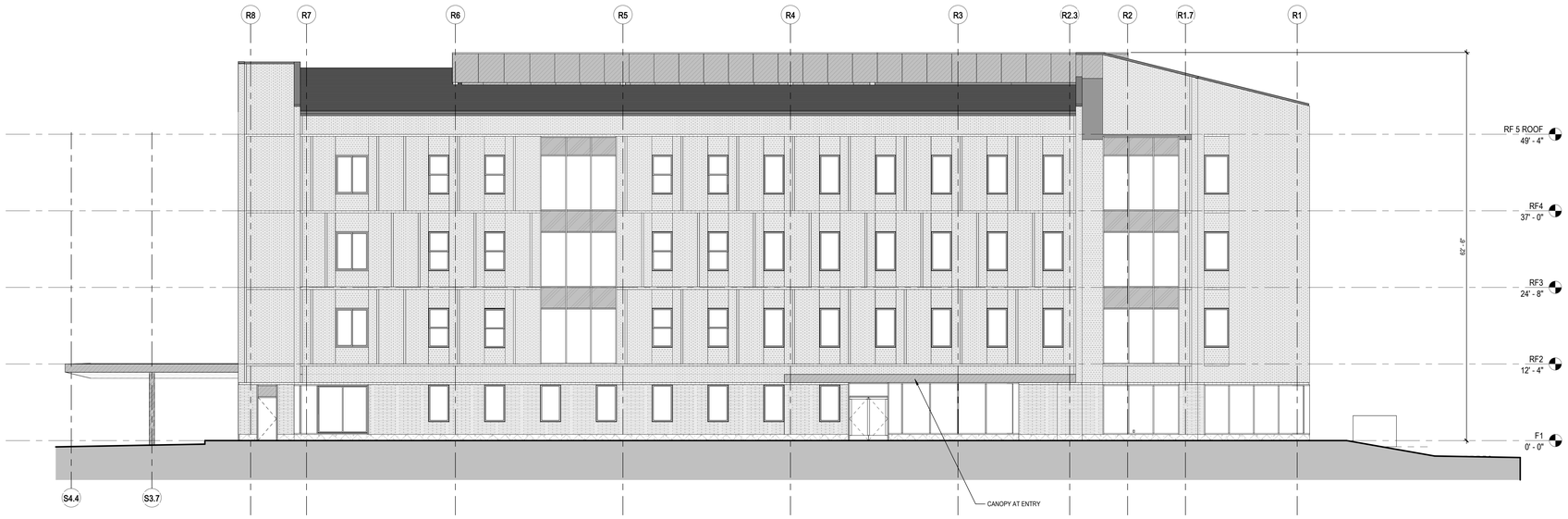
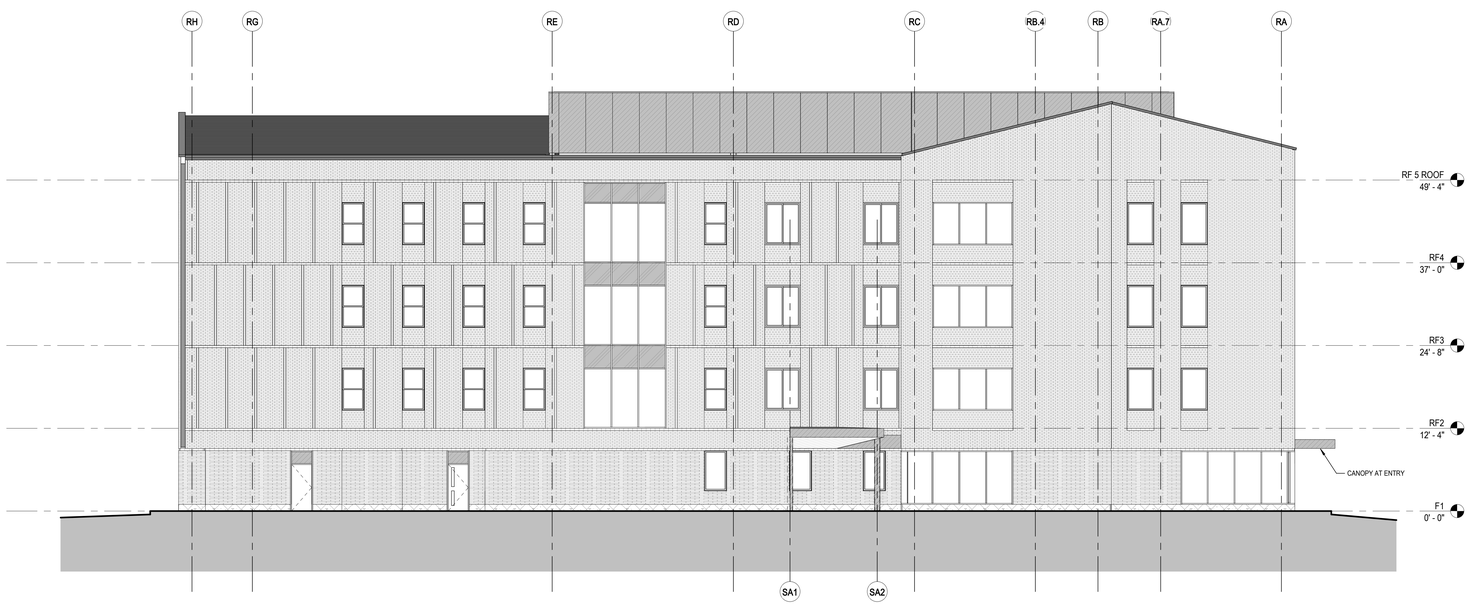


RESIDENCE EXTERIOR ELEVATION - NORTH

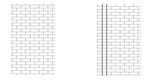
D1 1/8" = 1'-0"



RESIDENCE EXTERIOR ELEVATION - EAST

A1 1/8" = 1'-0"

MATERIAL LEGEND

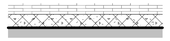


FACE BRICK, SEE AS201

FACE BRICK, RUNNING BOND

ROMAN BRICK, RUNNING BOND, ALTERNATE FINISH

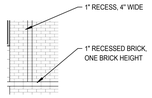
ROMAN BRICK, RUNNING BOND



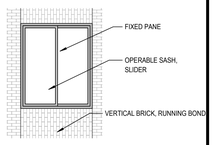
4 INCH GRANITE BASE, BARRE GREY

ASPHALT SHINGLE

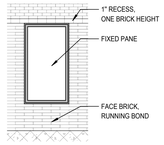
ARCHITECTURAL LOUVER, 50% OPEN



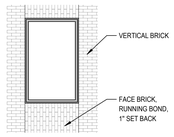
TYPICAL PRIC FACADE ARTICULATION



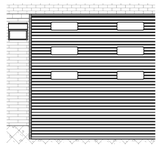
RESIDENCE SECURITY WINDOW
TRIPLE GLAZED, THERMALLY BROKEN



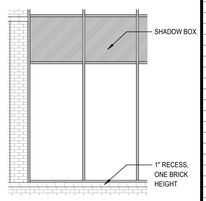
PUNCHED WINDOW, FIXED
TRIPLE GLAZED



PUNCHED WINDOW, FIXED



INSULATED OVERHEAD PANEL DOOR



CURTAIN WALL, TRIPLE GLAZED

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MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00
PROJECT ARCHITECT Designer

SHEET NAME
RESIDENCE EXTERIOR ELEVATIONS

SHEET NUMBER
AR201

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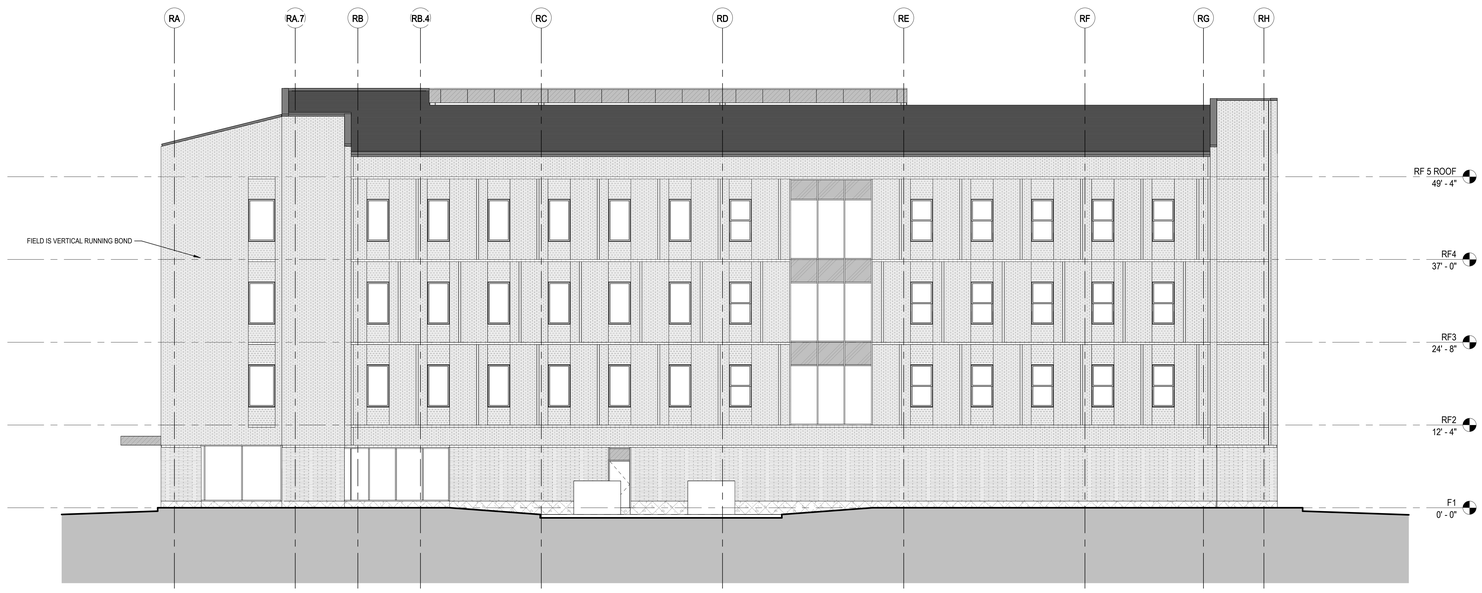
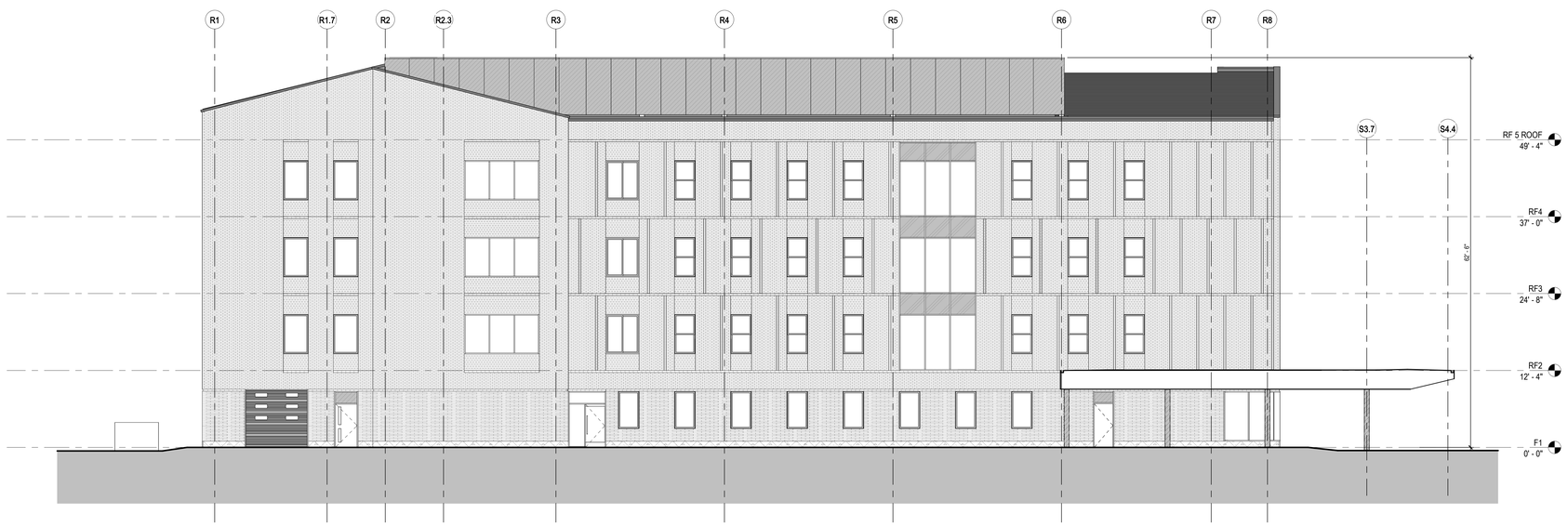


D1 RESIDENCE EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



A1 RESIDENCE EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"

SEE AR201 FOR EXTERIOR MATERIAL TYPES

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No. 31077
EXPIRES 01.31.2025
COMMONWEALTH OF MASSACHUSETTS

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00
PROJECT ARCHITECT Designer
SHEET NAME
RESIDENCE EXTERIOR ELEVATIONS
SHEET NUMBER
AR202

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A1 OVERALL SCHOOL PLAN - F1
1/8" = 1'-0"

FLOOR PLAN LEGEND

- CASEWORK SCOPE
- ROOF
- OVERHEAD

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

KEYPLAN

PROJECT NUMBER	103183.00
PROJECT ARCHITECT	Designer

SHEET NAME
OVERALL SCHOOL PLAN - F1

SHEET NUMBER
AS101

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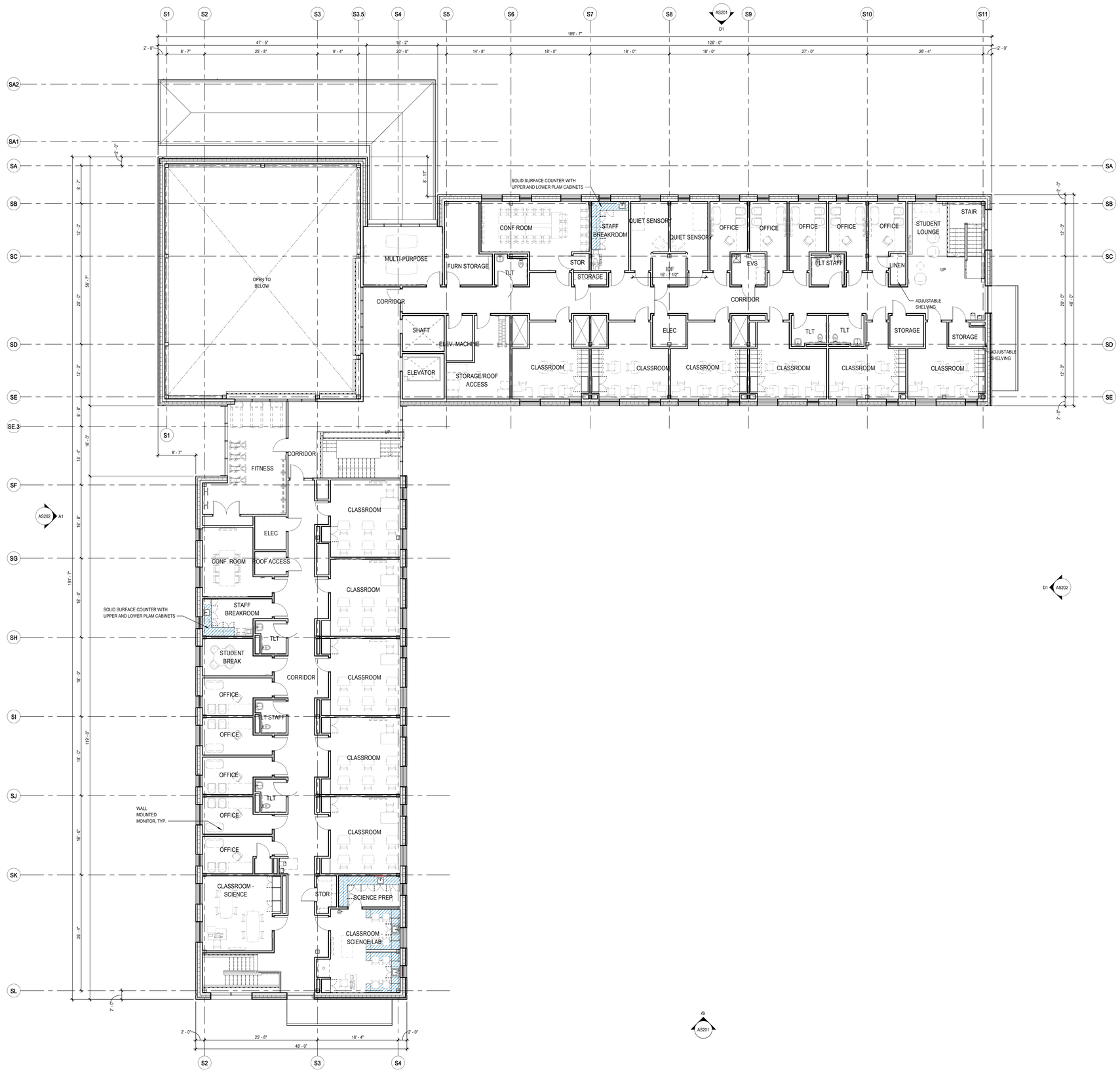

A1 OVERALL SCHOOL PLAN - F2

1/8" = 1'-0"

FLOOR PLAN LEGEND

- CASEWORK SCOPE
- ROOF
- OVERHEAD

KEYPLAN

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REGISTERED ARCHITECT
DAVID J. VOLLMER
No. 31077
COMMONWEALTH OF MASSACHUSETTS

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00

PROJECT ARCHITECT Designer

SHEET NAME
OVERALL SCHOOL PLAN - F2

SHEET NUMBER
AS102

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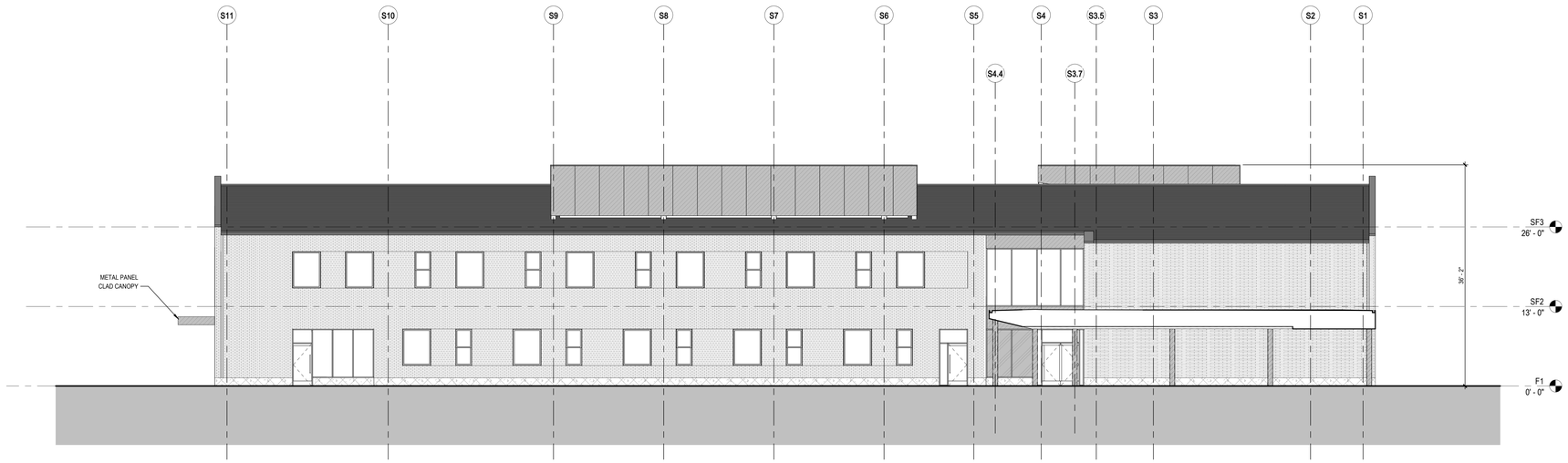
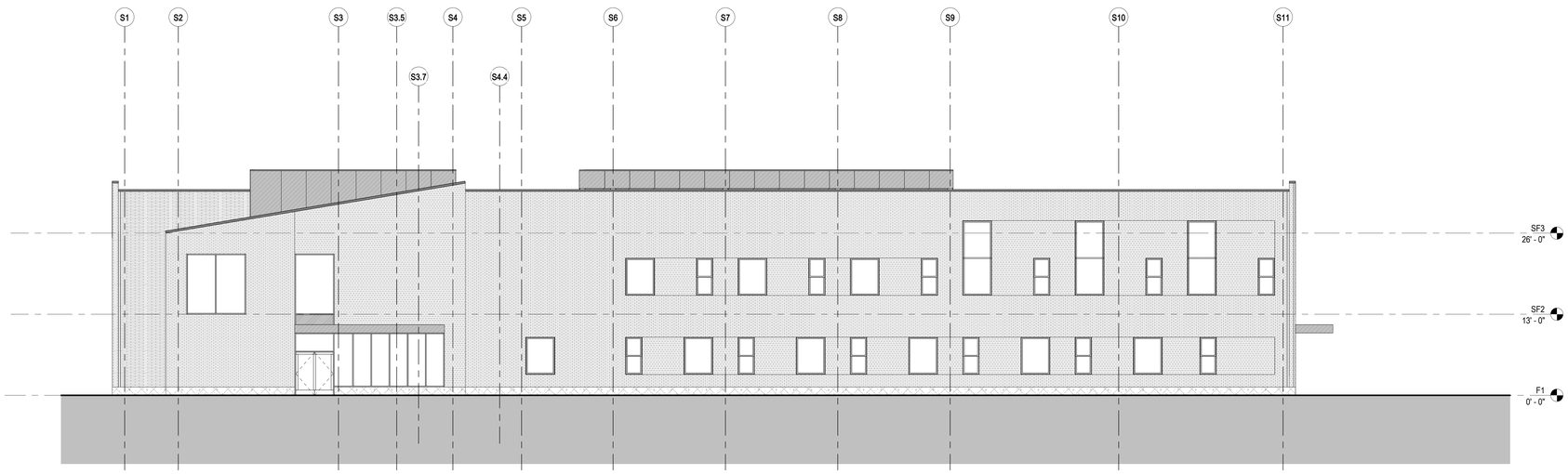


D1 SCHOOL EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



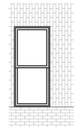
A1 SCHOOL EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"

MATERIAL LEGEND

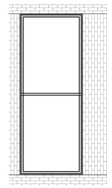
FACE BRICK, RUNNING BOND

FACE BRICK, STACKED BOND,
ADD ALTERNATE: VERTICAL RUNNING BOND

ROMAN BRICK, RUNNING BOND,
ALTERNATE COLOR



TRIPLE GLAZED PUNCHED WINDOW
ADD ALTERNATE: OPERABLE SASH,
SINGLE HUNG



TRIPLE GLAZED PUNCHED WINDOW,
TALL

SEE ALSO SHEET AR201 RESIDENCE EXTERIOR ELEVATIONS FOR MATERIAL TYPES APPLICABLE TO SCHOOL

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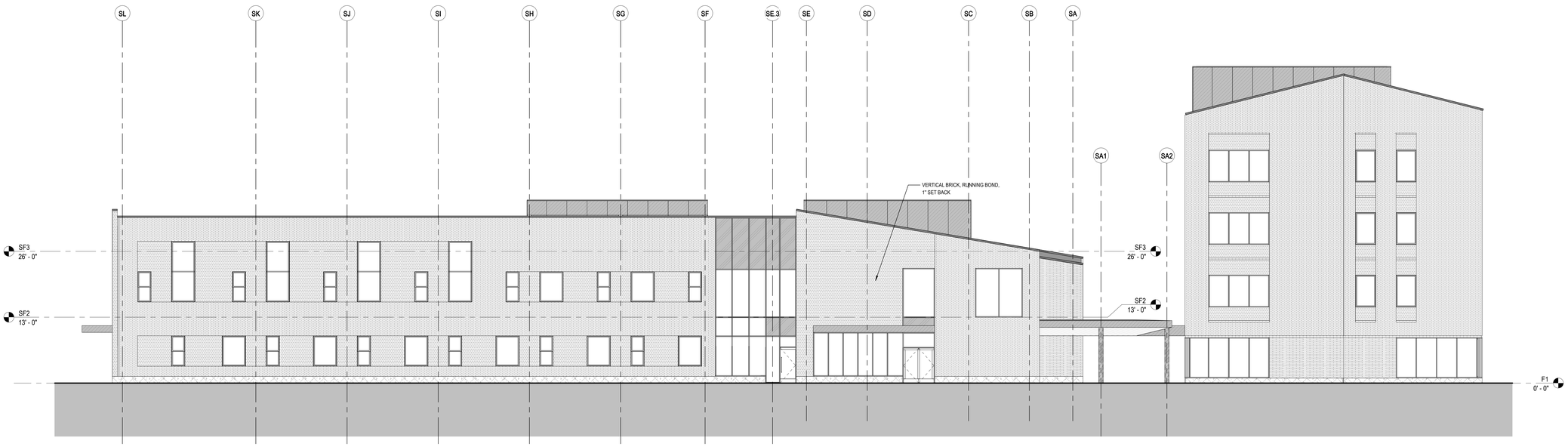
PROJECT ARCHITECT Designer

SHEET NAME
SCHOOL EXTERIOR ELEVATIONS

SHEET NUMBER
AS201

12/13/2024 6:29:28 AM
Autodesk Docs://103183.00 McLean Child and Adolescent Campus R23/ARCH-MCLEAN-BUILDINGS.rvt



D1 SCHOOL EXTERIOR ELEVATION - EAST
1/8" = 1'-0"

A1 SCHOOL EXTERIOR ELEVATION - WEST
1/8" = 1'-0"

SEE AR201 AND AS201 FOR EXTERIOR MATERIAL TYPES

KEYPLAN

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REGISTERED ARCHITECT
No. 31077
COMMONWEALTH OF MASSACHUSETTS

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS

NOT FOR CONSTRUCTION

12.16.2024

REVISIONS

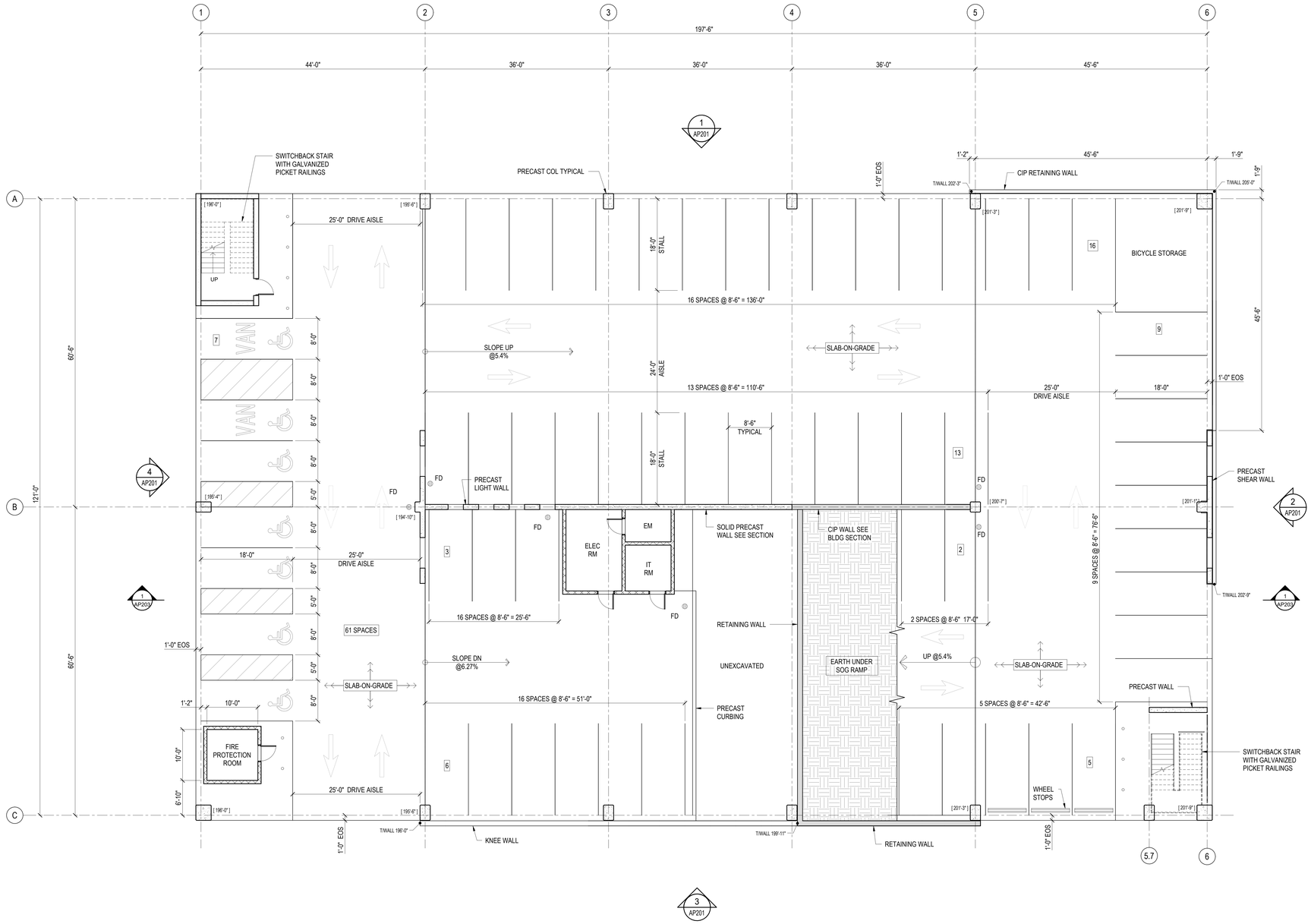
MARK	DATE	DESCRIPTION

PROJECT NUMBER 103183.00
PROJECT ARCHITECT Designer

SHEET NAME
SCHOOL EXTERIOR ELEVATIONS

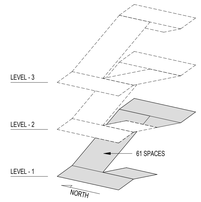
SHEET NUMBER
AS202

12/13/2024 6:29:30 AM
Autodesk Docs://103183.00 McLean Child and Adolescent Campus R23/ARCH-MCLEAN-BUILDINGS.rvt



LEVEL 1 PARKING PLAN PHASE-1
1/8" = 1'-0"

PARKING SUMMATION				
PARKING LEVEL	TOTAL	STANDARD	ADA	SQUARE FOOTAGE
EXTENDED RAMP UP	4	4		1,200
LEVEL 3	82	82		24,500
LEVEL 2	82	82		24,500
LEVEL 1	61	54	7	22,100
TOTAL STRUCTURED SPACES	229	222	7	72,300



ISOMETRIC
NTS

NOTES:
1. FOR DETAILED BUILDING CODE DATA REFER TO SHEET GP0.02.
2. FOR ABBREVIATIONS, LEGEND AND SYMBOLS SEE SHEET GP0.01.
3. FOR PARKING STRIPING DETAILS GP0.01
4. ALL ADA PARKING SPACES MUST BE DESIGNATED WITH APPROPRIATE SIGNAGE AND PAVEMENT MARKINGS.
5. FOR PARKING DECK SLOPES SEE DRAWINGS AP1.01D, AP1.02D, AND AP1.03D.
6. FOR DOOR SCHEDULE SEE AP4-SERIES
7. FOR BOLLARD ATTACHMENT SEE SP7-SERIES
8. PROVIDE PIPE PROTECTION PLATES AT ALL PIPES AND RISERS SUBJECT TO VEHICLE IMPACT. SEE TYPICAL STRUCTURAL DETAILS.

LEGEND:

	SPOT ELEVATION AT COLUMN CENTERLINE
x [ ]	SPOT ELEVATION AT SPECIFIC POINT
FD	FLOOR DRAIN
	CLEARANCE BAR W/ POSTED CLEARANCE
	BOLLARD (SEE TYPICAL DETAILS)
(PLAN VIEW)	CIP CONCRETE WASH
(PLAN VIEW)	4" WIDE @ 3'-0" OC STRIPING

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GARAGE STRUCTURAL AND PARKING CONSULTANT
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WELLESLEY, MA 02481
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12-19-2024

ISSUED FOR DESIGN AND SITE PLAN APPROVAL

MCLEAN CHILD AND ADOLESCENT CAMPUS GARAGE

NOR FOR CONSTRUCTION

12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION
1	Date 1	Revision 1

PROJECT NUMBER 23-051
PROJECT ARCHITECT Designer

SHEET NAME
GROUND LEVEL PARKING PLAN

SHEET NUMBER
AP101

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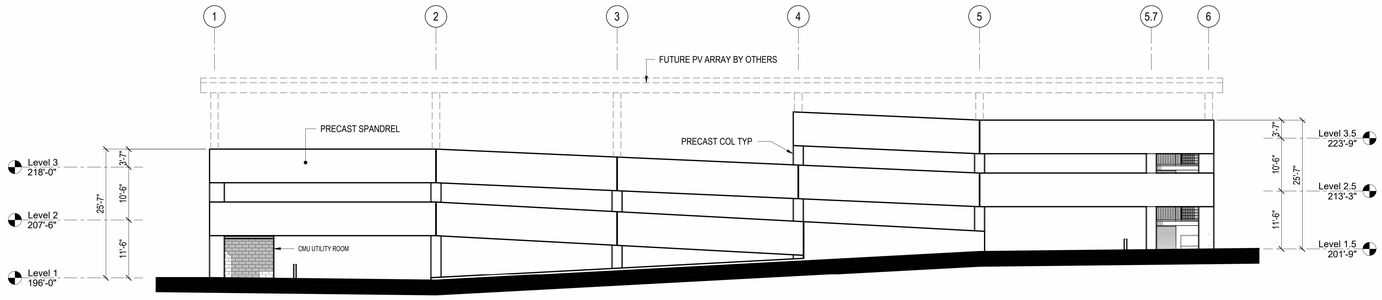
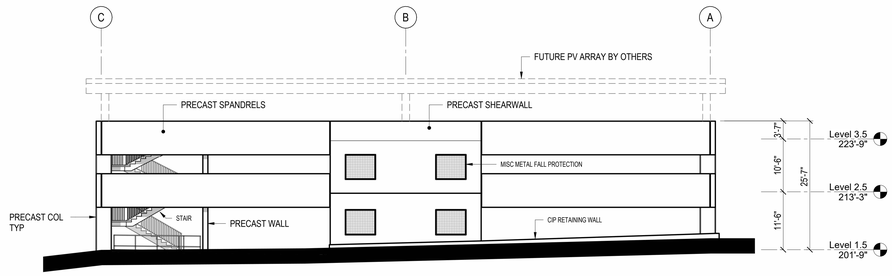
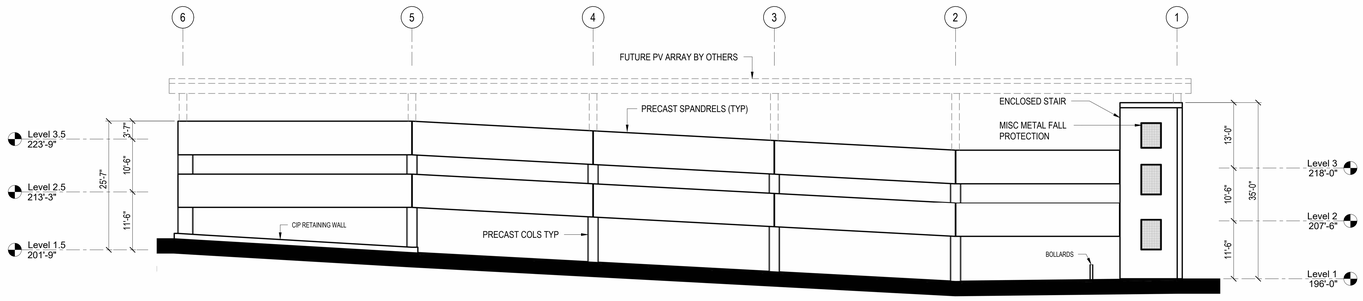


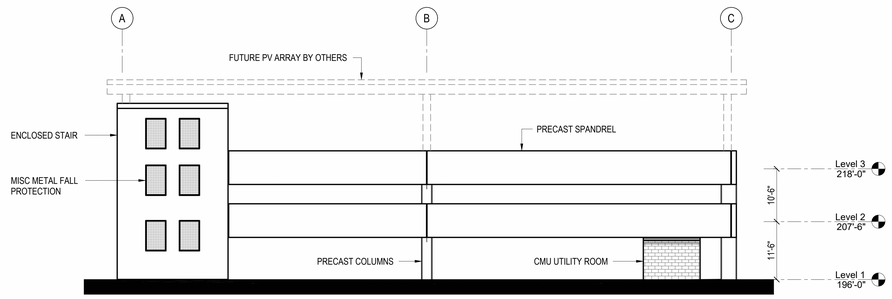
SOUTH BUILDING ELEVATION 3 A101C
3/32" = 1'-0"



EAST BUILDING ELEVATION 2 A101C
3/32" = 1'-0"



NORTH BUILDING ELEVATION 1 A101C
3/32" = 1'-0"



WEST BUILDING ELEVATION 4 A101C
3/32" = 1'-0"

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12.16.2024

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NUMBER 23-051
PROJECT ARCHITECT SDE

SHEET NAME
BUILDING ELEVATIONS

SHEET NUMBER
AP201

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