CITY OF LOWELL
CLEMENTE PARK PHASE 1
LOWELL, MA

SHEET LIST:

G-1	COVER SHEET
C-1	EXISTING CONDITIONS PLAN
C-2	DEMOLITION PLAN
C-3	GRADING, DRAINAGE, & EROSION CONTROL PLAN
C-4	CIVIL DETAILS
L-0	LANDSCAPE GENERAL NOTES
L-1	LANDSCAPE MATERIALS PLAN - BASE BID
L-1.1	LANDSCAPE MATERIALS PLAN - ADD ALTERNATES
L-1.2	LANDSCAPE MATERIALS PLAN - BASE BID & ADD ALTERNATES
L-1.3	SITE FURNISHING COLOR PLAN
L-2	LANDSCAPE LAYOUT PLAN
L-2.1	BASKETBALL ENLARGEMENT PLAN
L-2.2	PLAYGROUND ENLARGEMENT PLAN
L-3	LANDSCAPE PLANTING PLAN - BASE BID
L-3.1	LANDSCAPE PLANTING PLAN - ADD ALTERNATES
L-3.2	LANDSCAPE PLANTING PLAN - BASE BID & ADD ALTERNATES
LD-1	LANDSCAPE PAVING DETAILS
LD-2	LANDSCAPE DETAILS
LD-3	LANDSCAPE DETAILS
LD-4	LANDSCAPE DETAILS
LD-5	LANDSCAPE PLANTING DETAILS

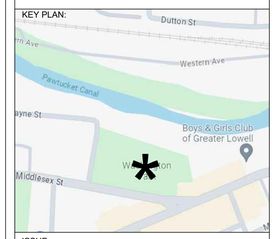


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Salem, NH 03079

CLEMENTE PARK
803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:



DRAWING TITLE:

COVER SHEET

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

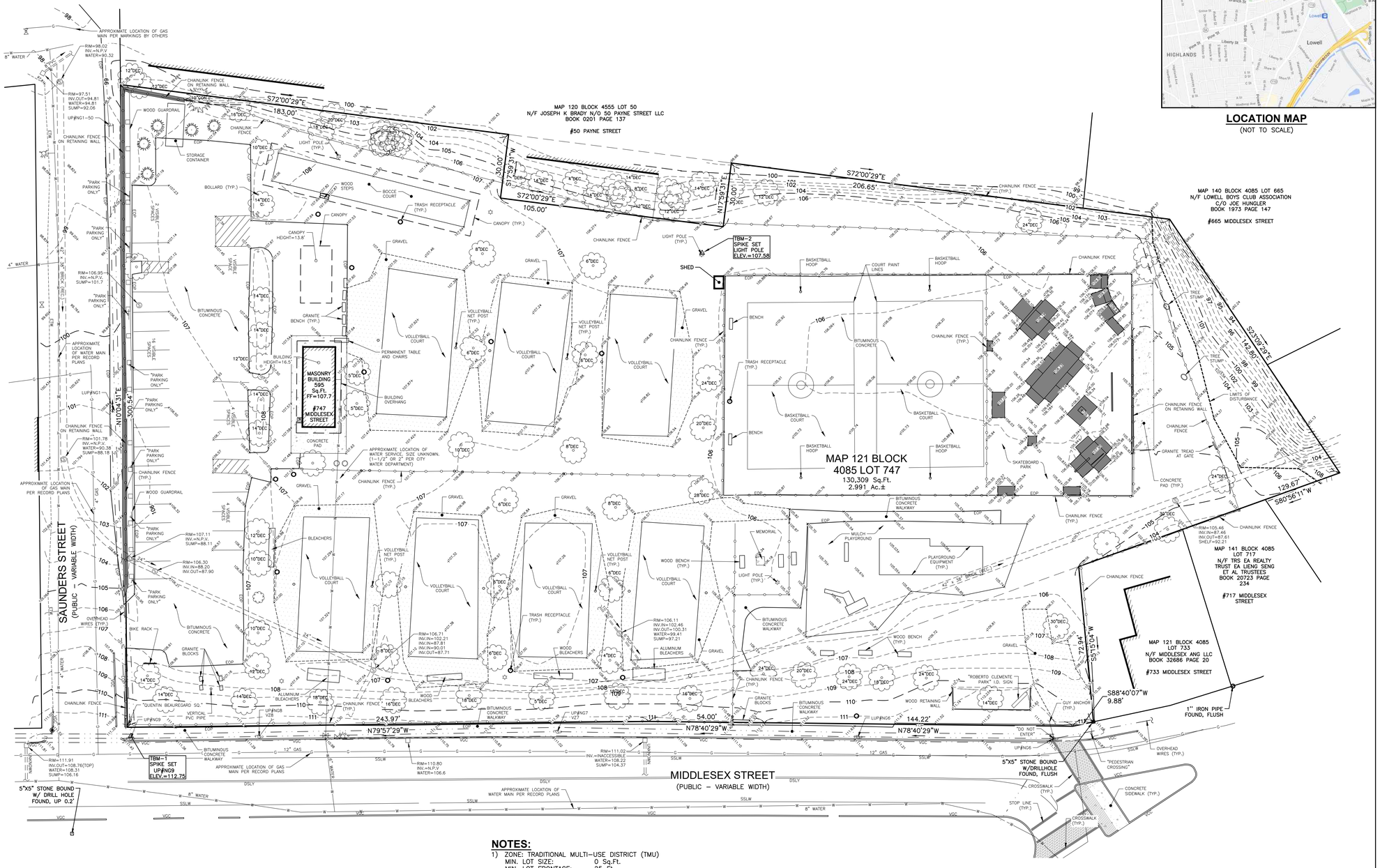
SCALE: 1"=20'-0"

SUBMISSION: BID SET

DRAWING NO.

G-1

J:\Clemente Park - Lowell\DWGS\CAD\SHEET\G-1 Cover Sheet, G-1, 9/6/2024



LEGEND

- VCC — VERTICAL GRANITE CURB
- VCC — VERTICAL CONCRETE CURB
- DSLY — DOUBLE SOLID LINE YELLOW
- SSLW — SINGLE SOLID LINE WHITE
- G — GAS LINE
- W — WATER LINE
- WOOD GUARDRAIL
- CHAIN LINK FENCE
- 90 — CONTOUR ELEVATION
- TREE
- UTILITY POLE
- GUY WIRE
- OHW — OVERHEAD WIRE
- SIGN
- SPOT ELEVATION
- CATCH BASIN
- SEWER MANHOLE
- GAS VALVE
- WATER VALVE
- FIRE HYDRANT
- ELECTRIC METER
- LIGHT POLE
- EASEMENT LINE
- PROPERTY LINE
- ABUTTER PROPERTY LINE

PLAN REFERENCES:

MIDDLESEX (NORTH) COUNTY REGISTRY OF DEEDS

1) PLAN BOOK 38 PLAN 7
2) PLAN BOOK 101 PLAN 142B
3) PLAN BOOK 112 PLAN 169
4) LAND COURT CASE NO. 2587B
5) LAND COURT CASE NO. 32167A

UTILITY NOTES:

WATER SERVICE – PUBLIC WATER – LOWELL REGIONAL WATER UTILITY

SEWER SERVICE – PUBLIC SEWER – LOWELL REGIONAL WASTEWATER UTILITY

GAS SERVICE – NATURAL GAS – NATIONAL GRID (BOSTON GAS)

ELECTRICAL SERVICE – NATIONAL GRID

NOTES:

1) ZONE: TRADITIONAL MULTI–USE DISTRICT (TMU)
   MIN. LOT SIZE: 0 Sq.Ft.
   MIN. LOT FRONTAGE: 25 Ft.
   SETBACKS:
   FRONT 0 Ft.
   SIDE 0 Ft.
   REAR 0 Ft.
   REFER TO THE CITY OF LOWELL ZONING ORDINANCE FOR VERIFICATION, ADDITIONAL RESTRICTIONS AND PERMITTED USES. THE ZONING INFORMATION SHOWN HEREON IS BASED ON A REVIEW OF THE LOWELL ZONING ORDINANCE.

2) THIS PLAN IS THE RESULT OF AN ON–THE–GROUND FIELD SURVEY AND UAS SURVEY PERFORMED BY THIS OFFICE BETWEEN DECEMBER 5, 2023 AND APRIL 8, 2024. A PORTION OF THE PLANIMETRIC DETAIL AND PERMANENT PHYSICAL FEATURES SHOWN ON THIS PLAN WERE DIGITIZED FROM RECTIFIED ORTHOPHOTOGRAPHY DERIVED FROM AERIAL IMAGERY OBTAINED VIA UAS BY THIS OFFICE ON DECEMBER 5, 2023.

3) BEARINGS SHOWN HEREON ARE BASED ON NAD83 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON APRIL 8, 2024.

4) ELEVATIONS SHOWN HEREON ARE BASED ON NAVD88 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON APRIL 8, 2024.

5) LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE ONLY. ADDITIONAL UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED. INVERTS ARE LISTED IN A CLOCKWISE DIRECTION ENDING WITH THE INVERT OUT (UNLESS OTHERWISE NOTED).

6) THE SURVEY TRACT IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA (100 YEAR FLOOD) PER FLOOD INSURANCE RATE MAP NUMBER 25017C0139F, WITH AN EFFECTIVE DATE OF JULY 7, 2014.

7) A TOTAL OF 27 (27 STANDARD, 0 ACCESSIBLE) FADED BUT VISIBLE PARKING SPACES WERE OBSERVED IN CONDUCTING THIS SURVEY

OWNER OF RECORD:

MAP 121 BLOCK 4085 LOT 747
CITY OF LOWELL
375 MERRIMACK STREET
LOWELL, MA 01852
BOOK 1887 PAGE 460

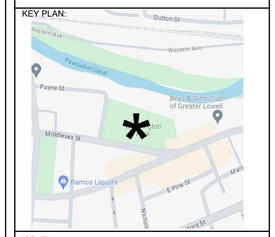
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803 Middlesex St
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KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

SCOTT M. LITALIEN NO. 50815 REGISTERED PROFESSIONAL LAND SURVEYOR
COMMONWEALTH OF MASSACHUSETTS
9/9/2024

DRAWING TITLE:

EXISTING CONDITIONS PLAN

DESIGNED: MH/SM

DRAWN: CSS CHECKED: SML

DATE: 09/09/2024

SCALE: 1"=20'

SUBMISSION: BID SET

DRAWING NO.

C-1

F:\Projects\NEX-2300309 - Lowell, MA - Brown, Richardson, + Rowe\CAD Files\2300309_SV_ECP_9\5\2024

LEGEND

TBR	TO BE REMOVED
- K K K K K K -	(SEE NOTE 17)
——T——	TREE PROTECTION FENCING



NOTES:

1) A DEMOLITION PERMIT MUST BE OBTAINED FROM THE CITY OF LOWELL PRIOR TO COMMENCEMENT OF WORK. ALL EXISTING UTILITY DISCONNECTIONS MUST BE COORDINATED WITH RESPECTIVE UTILITY COMPANIES.
2) ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS. CONTRACTOR SHALL INSTALL EROSION CONTROL DEVICES IN ACCORDANCE WITH EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING DEMOLITION ACTIVITIES.
3) PROCEED WITH DEMOLITION IN A SYSTEMATIC MANNER, FROM THE TOP OF THE STRUCTURE(S) TO THE GROUND.
4) DEMOLISH CONCRETE IN ALL SECTIONS.
5) BREAK UP CONCRETE SLABS–ON–GRADE, UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER.
6) CONDUCT ALL DEMOLITION OPERATIONS IN A MANNER THAT WILL PREVENT INJURY, DAMAGE TO STRUCTURES, ADJACENT BUILDINGS AND ALL PERSONS.
7) REFRAIN FROM USING EXPLOSIVES WITHOUT PRIOR WRITTEN CONSENT OF THE DEVELOPER AND APPLICABLE GOVERNMENTAL AUTHORITIES.
8) CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE DEVELOPER AND APPLICABLE GOVERNMENTAL AUTHORITIES. PROVIDE ALTERNATIVE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY APPLICABLE GOVERNMENTAL REGULATIONS.
9) USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE AIR. CLEAN ADJACENT STRUCTURE AND IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.
10) ACCOMPLISH AND PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.
11) COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT BE USED AS FILL. PRIOR TO PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO INSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY, GRADE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
12) REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS RUBRISH, SALVAGEABLE ITEMS, HAZARDOUS AND COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND DEPARTMENTS.
13) DISCONNECT, SHUT OFF AND SEAL ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DESIGNATED DEMOLITION. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY BEFORE THE COMMENCEMENT OF DEMOLITION SERVICES THE REQUIRED INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO INSURE THE CONTINUATION OF SERVICE.
14) PROTECT EXISTING DRAINAGE SYSTEM(S) AS NECESSARY TO PREVENT SEDIMENT FROM ENTERING DURING CONSTRUCTION. SEE DETAIL SHEETS FOR EROSION CONTROL DEVICES.
15) ALL WORK WITHIN ROADWAY RIGHT–OF–WAYS TO CONFORM TO CITY STANDARDS.
16) THE LIMITS OF WORK SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION OR SITE CLEARING.
17) REMOVE AND STOCKPILE POSTS, TOP, MIDDLE, AND BOTTOM RAILS FROM ALL FENCING SCHEDULED TO BE REMOVED ON SITE AND EVALUATE SUITABILITY OF EACH SEGMENT FOR REUSE AS REFURBISHED FENCE (BOTH HEIGHTS). LEGALLY DISPOSE OF ALL FENCING MATERIAL THAT WILL NOT BE REUSED.
18) EXISTING LIGHT POLES AND FIXTURES SHALL BE PROTECTED.
19) 9 OF 11 TRASH RECEPTACLES SHALL BE SALVAGED FOR REUSE. REMAINING 2 SHALL BE STOCKPILED FOR THE CITY.
20) EXISTING LAWN WITHIN LIMIT OF WORK SHALL BE CLEARED AND GRUBBED.
21) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DIG SAFE (DIAL 811) 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER DEPARTMENT TO MARK OUT THEIR UTILITIES.
22) NOTES ON THIS PLAN THAT READ "TBR" REPRESENT FEATURES TO BE REMOVED. ANY FEATURES NOT LABELED "TBR" OR "TO BE REMOVED" SHALL BE CONSIDERED EXISTING TO REMAIN.

PROPERTY LINE ————————

LIMIT OF WORK LINE – – – – – – – – –

0 10' 20' 40'
SCALE: 1" = 20'-0"

N

811 DigSafe MA-ME-NH-RI-VT

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Landscape Architects and Planners

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BOSTON, MA 02110

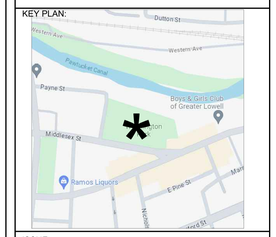
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CLEMENTE PARK

803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

COMMONWEALTH OF MASSACHUSETTS
CHRISTOPHER M. YORK
CIVIL
No. 49181
REGISTERED PROFESSIONAL ENGINEER

Christopher M. York

9-9-24

DRAWING TITLE:

DEMOLITION PLAN

DESIGNED: MH/SM

DRAWN: CMY CHECKED: DRJ

DATE: 09/09/2024

SCALE: 1"=20'

SUBMISSION: BID SET

DRAWING NO.

C-2

LEGEND

- PROP. SEDIMENT CONTROL FENCE
- PROP. RAIN GARDEN AREA
- PROP. STONE DRIP EDGE

NOTES:

1) ELEVATIONS ARE BASED ON NAVD88 DATUM.
2) ANY UTILITY FIELD ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND COORDINATED WITH THE APPROPRIATE LOCAL UTILITY COMPANY.
3) THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4) ALL CONSTRUCTION SHALL CONFORM TO MUNICIPAL DPW AND ALL APPLICABLE STATE AND FEDERAL STANDARDS.
5) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIG-SAFE (DIAL 811) PRIOR TO COMMENCING ANY EXCAVATION.
6) THIS SITE WILL REQUIRE A USEPA NPDES PERMIT FOR STORMWATER DISCHARGE FOR THE SITE CONSTRUCTION SINCE THE DISTURBANCE EXCEEDS ONE ACRE (ACTUAL DISTURBANCE = 100,000 SF±). THE CONSTRUCTION SITE OPERATOR SHALL DEVELOP AND IMPLEMENT A CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPPP), WHICH SHALL REMAIN ON SITE AND BE MADE ACCESSIBLE TO THE PUBLIC. A NOTICE OF INTENT (NOI) SHALL BE FILED WITH THE EPA AT LEAST 14 CALENDAR DAYS PRIOR TO CONSTRUCTION. A COMPLETED NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED TO THE EPA WITHIN 30 DAYS AFTER EITHER OF THE FOLLOWING CONDITIONS HAVE BEEN MET: FINAL STABILIZATION HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE FOR WHICH THE PERMITTEE IS RESPONSIBLE; OR ANOTHER OPERATOR/PERMITTEE HAS ASSUMED CONTROL OVER ALL AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
7) ALL TRAFFIC CONTROL AND TEMPORARY CONSTRUCTION SIGNAGE ARRANGEMENTS, ACCEPTABLE TO MASSDOT AND THE CITY DEPARTMENT OF PUBLIC WORKS, SHALL BE EMPLOYED DURING OPERATIONS WITHIN THE PUBLIC RIGHT-OF-WAY.
8) ALL ADA ACCESSIBLE WALKWAYS CANNOT EXCEED 5% RUNNING SLOPE AND 2% CROSS SLOPE, RAMPS CANNOT EXCEED 8.33% RUNNING SLOPE AND 2% CROSS SLOPE, AND ACCESSIBLE PARKING STALLS AND ACCESS AISLES CANNOT EXCEED 2% SLOPE IN ANY DIRECTION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.

N

NAD 83

PROP. SILT FENCE (TYP.)

PROP. 3' WIDE STONE DRIP EDGE (TYP.)

PROP. 6' WIDE BIORETENTION AREA (TYP.)

PROP. BITUMINOUS CONC. SIDEWALK

PROP. WATER CONNECTION

PROP. 5' WIDE STONE DRIP EDGE (TYP.)

MAP 121 BLOCK
4085 LOT 747
130,309 Sq.Ft.
2.991 Ac.±

TEMPORARY STOCKPILE AREA

EXIST. SMH TO MATCH FINISH GRADE

SLOPE TO DRAIN (TYP.)

PROP. STAIRS (6 RISERS)

PROP. COLLAPSABLE BOLLARD (TYP.)

SAUNDERS STREET
(PUBLIC – VARIABLE WIDTH)

MIDDLESEX STREET
(PUBLIC – VARIABLE WIDTH)

PROP. CATCH BASIN INLET PROTECTION (TYP.)

MASONRY BUILDING 595 Sq.Ft. FF=107.7
#747 MIDDLESEX STREET

PROPERTY LINE

LIMIT OF WORK LINE

0 10' 20' 40'
SCALE: 1" = 20'-0"

N

811 DigSafe MA.ME.NH.RI.VT

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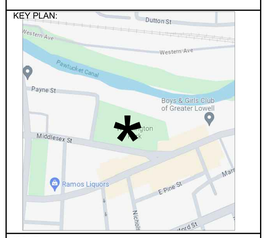
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KEY PLAN:



ISSUE:

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STAMPED AND SIGNED:

COMMONWEALTH OF MASSACHUSETTS
CHRISTOPHER M. YORK
CIVIL
No. 49181
REGISTERED PROFESSIONAL ENGINEER

Christopher M. York 9-9-24

DRAWING TITLE:

GRADING, DRAINAGE & EROSION CONTROL PLAN

DESIGNED: MH/SM

DRAWN: CMY CHECKED: DRJ

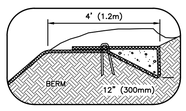
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SCALE: 1"=20'

SUBMISSION: BID SET

DRAWING NO.

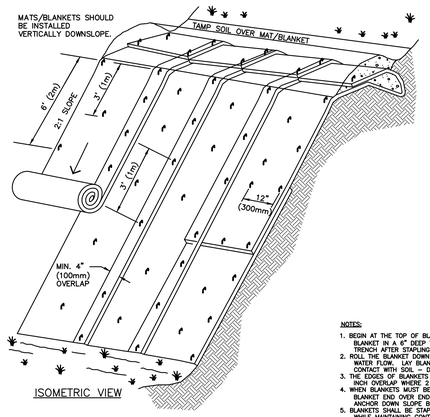
C-3



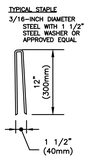
TYPICAL INSTALLATION OF EROSION CONTROL BLANKETS FOR SLOPES

NOT TO SCALE

NOTE: DO NOT USE PRODUCTS THAT CONTAIN WELDED PLASTIC OR THAT ARE "PHOTODEGRADABLE", USE PRODUCTS WITH BIODEGRADABLE NETTING AND NATURAL FIBER MATERIAL (I.E. STRAW OR COCONUT FIBER).



ISOMETRIC VIEW



NOTES:

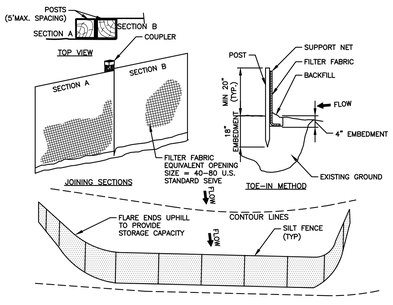
1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH. BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW. LAY BLANKETS LOOSELY & MAINTAIN DIRECT CONTACT WITH SOIL. — DO NOT STRETCH.
3. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP. WIDER BLANKETS MAY BE USED WHERE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE BLANKET END OVER END WITH 6 INCH (MIN.) OVERLAP AND ANCHOR DOWN SLOPE BLANKET IN A 6 INCH DEEP TRENCH.
5. BLANKETS SHALL BE STAPLED ENOUGH TO ANCHOR BLANKET WHILE MAINTAINING CONTACT WITH SOIL. STAPLES SHALL BE PLACED DOWN THE CENTER & STAGGERED WITH THE STAPLES PLACED ALONG EDGES. PATTERN & AMOUNT OF STAPLES VARIES BY MANUFACTURER, SO FOLLOW MANUFACTURERS RECOMMENDATIONS.
6. BLANKET SHALL BE NORTH AMERICAN GREEN SC-150 OR APPROVED EQUAL.

MAINTENANCE & MATS

1. BLANKETS SHALL BE INSPECTED WEEKLY DURING CONSTRUCTION & AFTER A RAINFALL IN EXCESS OF 1/2" IN A 24-HOUR PERIOD.
2. FAILURES SHALL BE REPAIRED IMMEDIATELY. IF ANY OF THE FOLLOWING OCCUR: SLOPE WASHOUT, MAT DISPLACEMENT, DAMAGE TO MAT, THE AFFECTED AREA SHALL BE REPAIRED & RESEEDED & MAT SHALL BE REPLACED OR RE-INSTALLED.

BLANKET SLOPE PROTECTION FOR EROSION CONTROL

NOT TO SCALE



CRITERIA FOR SILT FENCES:

1) SILT FENCE FILTER CLOTH: THE FABRIC FOR THE SILT FENCE SHALL MEET THE FOLLOWING SPECIFICATIONS:

FABRIC PROPERTIES:	MINIMUM ACCEPTABLE VALUES	TEST METHOD
GRAB TENSILE STRENGTH (lbs)	90	ASTM D1682
ELONGATION AT FAILURE (%)	50	ASTM D1682
MULLEN BURST STRENGTH (PSI)	190	ASTM D3786
PUNCTURE STRENGTH (lbs)	40	ASTM D751
EQUIVELANT OPENING SIZE	40-80	US STD SIEVE

2) FENCE POSTS (FOR FABRICATED UNITS) – THE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG. WOOD POSTS WILL BE OF SOUND QUALITY HARDWOOD WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES. STEEL POSTS WILL BE STANDARD T OR U SECTIONS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT. MAXIMUM SPACING SHALL BE 6 LINEAR FEET.

3) WIRE FENCE (FOR FABRICATED UNITS) – WIRE FENCING SHALL BE A MINIMUM 14.5 GUAGE WITH A MAXIMUM 6 INCH MESH OPENING.

4) PREFABRICATED UNITS – PREFABRICATED UNITS MAY BE USED IN LIEU OF THE ABOVE METHOD PROVIDING: (1) THE FILTER CLOTH AND FENCE POSTS MEET THE ABOVE CRITERIA; AND (2) THE UNIT IS INTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE:

1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.

2) IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.

3) SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMTELY ONE-HALF THE HEIGHT OF THE BARRIER.

4) SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

CONSTRUCTION SPECIFICATIONS:

1) THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.

2) THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND (4" DEEP & 4" WIDE) AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.

3) WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.

4) FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION AND BOTTOM.

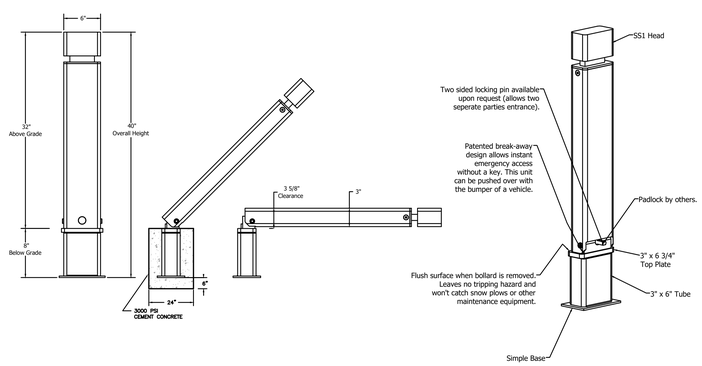
5) WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EAC OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES (24" IS PREFERRED), FOLDED, AND STAPLED.

6) POSTS TO BE SPACED AT A MAXIMUM OF 6' ON CENTER.

SILT FENCE

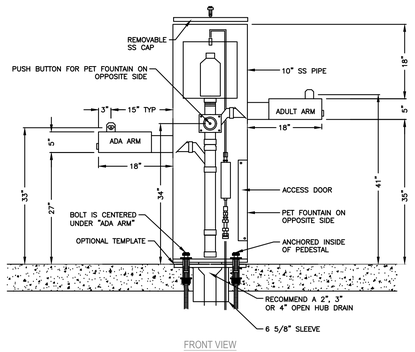
NOT TO SCALE

AHJ approved in many cities / counties / campuses for use in fire lanes per International Fire Code (IFC) 503

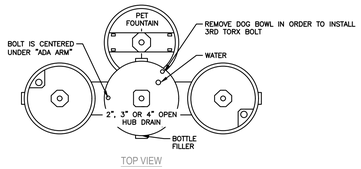


COLLAPSIBLE BOLLARD

NOT TO SCALE



FRONT VIEW



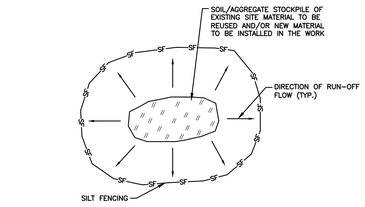
TOP VIEW

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER: 3354-17.52.
6. MOST DEPENDABLE BOTTLE FILLING STATION MODEL NUMBER 10145 SMSS
7. FILLING STATION SHALL BE CONNECTED TO EXISTING WATER SUPPLY. REFER TO GRADING PLAN FOR LOCATION.

DRINKING FOUNTAIN (ADD ALTERNATE 8)

NOT TO SCALE

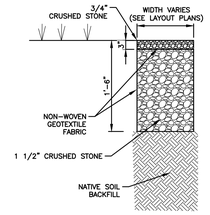


NOTES:

1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
2. SOIL/AGGREGATE STOCKPILE SITES SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS.
3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.
4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.

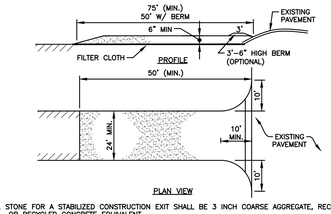
MATERIALS STOCKPILE

NOT TO SCALE



STONE DRIP EDGE

NOT TO SCALE



PLAN VIEW

1. STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 3 INCH COARSE AGGREGATE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED EXIT SHALL NOT BE LESS THAN 50 FEET,
3. THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE EXIT SHALL NOT BE LESS THAN 24' WHERE INGRESS OCCURS.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO EXIT ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION EXIT

NOT TO SCALE

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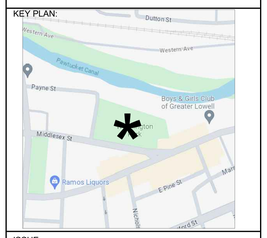
T: 617.542.8552 WWW.BROWNROWE.COM

GPI Engineering Design Planning Construction Management
603.893.0720 GPINET.COM
Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

CLEMENTE PARK

803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

COMMONWEALTH OF MASSACHUSETTS
CHRISTOPHER M. YORK
CIVIL
No. 40181
REGISTERED PROFESSIONAL ENGINEER

Christopher M. York 9-9-24

DRAWING TITLE:

DETAILS

DESIGNED: MH/SM

DRAWN: CMY CHECKED: DRJ

DATE: 09/09/2024

SCALE: AS NOTED

SUBMISSION: BID SET

DRAWING NO.

C-4

PREPARATION & DEMOLITION PLAN NOTES:

1. EXISTING CONDITIONS FIELD SURVEY AS COMPILED BY GREENMAN-PEDERSEN, INC: 44 STILES ROAD, SUITE ONE, SALEM, NH; 603-893-0720.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN FIELD VERIFICATION OF ALL ELEMENTS SHOWN ON THE EXISTING CONDITIONS PLAN DURING BIDDING AND CONSTRUCTION. ACCURACY OF THE EXISTING CONDITIONS PLAN HAS NOT BEEN FIELD VERIFIED BY OWNER OR PROJECT TEAM AND ELEMENTS SHOWN ON THE PLAN WHICH VARY FROM THOSE EXISTING IN THE FIELD EITHER IN TERMS OF LOCATION OR GRADE ARE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE. IF INACCURACIES AFFECT CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT TEAM AND OWNER BEFORE UNDERTAKING FURTHER ACTION AND A DISCUSSION WILL BE HELD TO DETERMINE A RESOLUTION.LOCATE STOCKPILE FOR EXISTING MATERIALS TO BE SALVAGED WITHIN LIMIT OF WORK. CONTRACTOR TO RECEIVE APPROVAL FROM THE CITY OF LOWELL FOR ANY PROPOSED LOCATION OF STOCKPILE PRIOR TO COMMENCEMENT OF WORK.
3. LOCATE STOCKPILE FOR EXISTING MATERIALS TO BE SALVAGED WITHIN LIMIT OF WORK. CONTRACTOR TO RECEIVE APPROVAL FROM THE OWNER FOR ANY PROPOSED LOCATION OF STOCKPILE PRIOR TO COMMENCEMENT OF WORK.
4. REFER ALSO TO SPECIFICATIONS FOR SITE CLEARING AND EARTH MOVING.
5. THE CONTRACTOR MUST NOTIFY "DIG SAFE", THE CITY OF LOWELL DEPARTMENT OF PLANNING AND DEVELOPMENT, CITY OF LOWELL DPW AND ENGINEERING DEPARTMENT PRIOR TO THE START OF ANY ON-SITE WORK.
6. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO EARTHWORK OPERATIONS AND MAINTAIN EROSION CONTROL MEASURES AND SEEDED EMBANKMENTS DURING CONSTRUCTION. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH EPA'S NPDES PERMITTING FOR CONSTRUCTION ACTIVITIES.
7. A PRE-CONSTRUCTION MEETING IS REQUIRED WITH APPLICABLE CITY DEPARTMENTS AND/OR OTHER AGENCIES PRIOR TO THE COMMENCEMENT OF SITE WORK.
8. REMOVE AND DISPOSE OF CONCRETE FOUNDATIONS AND FOOTINGS AS NOTED ON PLANS. MATERIALS ARE TO BE DISPOSED OF PER APPLICABLE LAWS AND REGULATIONS.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
10. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA REGULATIONS AND LOCAL AND STATE REQUIREMENTS.
11. WHERE PROPOSED MEETS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAWCUT TO OBTAIN A STABLE VERTICAL FACE.
12. THE CONTRACTOR SHALL PROVIDE METHODS USED DURING DEWATERING OPERATIONS AND FOR STORM WATER RUNOFF SO AS NOT TO ALLOW SILT OR DEBRIS TO ENTER EXISTING OR NEW FACILITIES OR CREATE NUISANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING EXISTING OR NEW FACILITIES IF SILTATION OCCURS DUE TO THE CONTRACTOR'S OPERATIONS.
13. THE CONTRACTOR SHALL SUPPLY ALL TEMPORARY SHORING AND DEWATERING FOR WORK RELATED TO THE COMPLETION OF THE PROJECT AT NO ADDITIONAL COST.
14. DAMAGE TO PROPERTY BEYOND THE WORK LIMITS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE, SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT.
15. CONTRACTOR SHALL PROVIDE CAREFUL AND CONTINUOUS PROTECTION OF ALL EXISTING SITE FEATURES SCHEDULED TO REMAIN ON SITE DURING ALL CONSTRUCTION ACTIVITIES.
16. REFER TO SPECIFICATIONS FOR PUBLIC ACCESS REQUIREMENTS TO SITE AND SURROUNDING SIDEWALKS DURING CONSTRUCTION.
17. ALL STREET FURNISHINGS, CROSS WALKS, PEDESTRIAN RAMPS, AND UTILITIES LOCATED OUTSIDE OF THE LIMIT OF WORK LINE ARE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
18. ALL EXISTING SURFACE FEATURES TO REMAIN SHALL BE ADJUSTED TO FINAL GRADE AS SHOWN ON GRADING PLAN.
19. THE CONSTRUCTION STATION POINT AS SHOWN ON CONTRACT DRAWINGS SHALL BE LAID OUT BY A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS.

ABBREVIATIONS:

℄	CENTERLINE
Ø	DIAMETER
BC	BOTTOM OF CURB
CIP	CAST IN PLACE
CONC.	CONCRETE
DIA	DIAMETER
EX.	EXISTING
FC	FLUSH CURB
FIN.	FINISH
HT.	HEIGHT
MAX	MAXIMUM
MIN	MINIMUM
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
P.O.B.	POINT OF BEGINNING
PSI	POUNDS PER SQUARE INCH
R	RADIUS
S.S.	STAINLESS STEEL
TC	TOP OF CURB
TYP	TYPICAL
V.I.F.	VERIFY IN FIELD
W.W.F	WELDED WIRE FABRIC

MATERIALS PLAN NOTES:

1. EXISTING CONDITIONS FIELD SURVEY AS COMPILED BY GREENMAN-PEDERSEN, INC: 44 STILES ROAD, SUITE ONE, SALEM, NH; 603-893-0720
2. BEFORE CONSTRUCTION BEGINS, SUBMITTALS MUST BE APPROVED, ALL LOCATIONS SHALL BE STAKED IN THE FIELD, MOCKUPS CONSTRUCTED AND VERIFIED BY THE CONTRACTOR AND REVIEWED BY THE CITY AND LANDSCAPE ARCHITECT. ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
3. SEE L-1 FOR LEGEND AND KEYNOTES
4. SEE MATERIALS SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
5. SEE PLANTING PLANS AND SPECIFICATIONS FOR PLANTING MATERIALS AND INSTALLATION REQUIREMENTS.
4. THE CONTRACTOR MUST NOTIFY "DIG SAFE" AND THE CITY OF LOWELL PRIOR TO THE START OF ANY ON-SITE WORK.
5. WHERE PROPOSED MEETS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAWCUT TO OBTAIN A STABLE VERTICAL FACE.
6. DAMAGE TO PROPERTY BEYOND THE WORK LIMITS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE, SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT.
7. SEE CIVIL ENGINEER'S DRAWINGS FOR ALL PROPOSED GRADING AND DRAINAGE PLANS AND UTILITY LINES AND STRUCTURES.

LAYOUT PLAN NOTES:

1. EXISTING CONDITIONS FIELD SURVEY AS COMPILED BY GREENMAN-PEDERSEN, INC: 44 STILES ROAD, SUITE ONE, SALEM, NH; 603-893-0720
2. USE ONE SINGLE BENCHMARK FOR WORK.
3. ALL DIMENSION LINES ARE EITHER PARALLEL OR PERPENDICULAR TO LINES FROM WHICH THEY ARE DRAWN UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
4. BEFORE CONSTRUCTION BEGINS, SUBMITTALS MUST BE APPROVED, ALL LOCATIONS SHALL BE STAKED IN THE FIELD, MOCKUPS CONSTRUCTED AND VERIFIED BY THE CONTRACTOR AND REVIEWED BY THE LANDSCAPE ARCHITECT. ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
3. UNLESS OTHERWISE INDICATED, DISTURBED AREAS SHALL BE RESTORED WITH FOUR (4) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.
4. CONSTRUCTION AND CONTROL JOINTS: SIDEWALK REINFORCEMENT SHALL NOT CONTINUE THROUGH CONSTRUCTION JOINTS. AT CONTROL JOINTS, CUT REINFORCEMENT WIRES.
5. PRIOR TO INITIATION OF CONCRETE FLATWORK, SUBMIT PROPOSED CONSTRUCTION JOINT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. COORDINATE SUCH PLAN WITH THE JOINT PATTERNS DEPICTED ON THE DRAWINGS.
6. ALL MEASUREMENTS FOR STAINLESS STEEL HANDRAIL SHALL BE VERIFIED IN FIELD AND REVIEWED WITH LANDSCAPE ARCHITECT PRIOR TO FABRICATION AND SHOP DRAWINGS, SEE SPECIFICATIONS.
7. SEE MATERIALS PLAN AND SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
8. THE CONTRACTOR MUST NOTIFY "DIG SAFE" AND THE CITY OF LOWELL PRIOR TO THE START OF ANY ON-SITE WORK.
9. WHERE PROPOSED MEETS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAWCUT TO OBTAIN A STABLE VERTICAL FACE.
10. DAMAGE TO PROPERTY BEYOND THE WORK LIMITS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE, SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
11. SEE CIVIL ENGINEER'S DRAWINGS FOR ALL PROPOSED GRADING, DRAINAGE AND UTILITY LINES AND STRUCTURES.

GRADING PLAN NOTES:

1. PRIOR TO COMMENCING ANY EXCAVATION WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE "DIG SAFE" NOTIFICATION PROCEDURES PROMOTED BY RESPECTIVE UTILITY COMPANIES.
2. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING. WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING WITH NEW PAVING.
3. CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
4. PITCH EVENLY BETWEEN SPOT GRADES AND CONTOURS. ALL PAVED AREAS MUST PITCH TO DRAIN (MIN. >1%, MAX. <2%) ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WORK.
5. CONTRACTOR SHALL REVIEW EXISTING GRADES IN THE FIELD AND ADJUST SUBGRADES AS REQUIRED TO MEET FINISHED SITE GRADES.
6. WHERE AREAS ARE GRADED WITH A CROSS PITCH, SLOPE ACROSS THE AREA SHALL BE MAX 1.5% TOWARDS THE EDGE AS SHOWN ON DRAWINGS, TYPICAL, UNLESS OTHERWISE INDICATED.
7. EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO OWNER.
8. EXCAVATION REQUIRED WITHIN THE DRIP LINE (EDGE OF CANOPY) OF EXISTING TREES AND UP TO 10'-0" OUTSIDE THE DRIP LINE SHALL BE DONE BY HAND AND AT NO ADDITIONAL COST. CONTRACTOR SHALL TAKE CARE SO AS NOT TO DAMAGE THE ROOT SYSTEMS OF EXISTING TREES AND SHRUBS. REFER TO SPECIFICATIONS.

PLANTING PLAN NOTES:

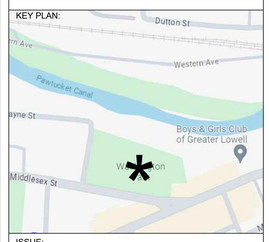
1. ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY AMERICAN ASSOCIATION OF NURSERYMEN, LATEST EDITION, OR AS INDICATED IN THE PLANT LIST, WHICH SHALL GOVERN.
2. ALL PLANT MATERIAL SHALL BE FIELD SELECTED IN NURSERIES BY THE LANDSCAPE ARCHITECT AFTER PRELIMINARY TAGGING BY CONTRACTOR. ALL STOCK SHALL BE NURSERY GROWN.
3. THE LANDSCAPE ARCHITECT SHALL REVIEW PLACEMENT OF PLANTS IN FIELD BEFORE INSTALLATION AFTER STAKING IN FIELD BY CONTRACTOR ACCORDING TO PLANTING PLANS AND SITE DETAILS. THE CONTRACTOR SHALL INFORM THE LANDSCAPE ARCHITECT IMMEDIATELY OF ANY CONFLICTS BETWEEN PROPOSED PLANT LOCATIONS AND BELOW GRADE UTILITIES, STRUCTURES, DRAINAGE PROBLEMS OR ANY OTHER PLANTING CONFLICT ENCOUNTERED OR ANTICIPATED AND REVIEWED WITH THE LANDSCAPE ARCHITECT BEFORE PLANTING COMMENCES. SEE SPECIFICATIONS FOR COORDINATION OF EXISTING AND PROPOSED TREES.
4. ALL TREES NOTED FOR CLEARING AND SELECTIVE PRUNING AND THINNING SHALL BE EXECUTED BY A LICENSED ARBORIST.
5. THE CONTRACTOR SHALL CLEARLY MARK LIMITS OF CLEARING AND LIMITS OF SELECTIVE PRUNING AND THINNING, FOR REVIEW BY THE A/E PRIOR TO ANY CLEARING OPERATIONS.
6. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT EXISTING VEGETATION THAT IS TAGGED BY THE A/E, "TO BE SAVED".
7. THE A/E RESERVES THE RIGHT TO ADJUST FINAL GRADES IN THE FIELD TO SAVE EXISTING VEGETATION.
8. LOAM AND SEED ALL DISTURBED AREAS UNLESS OTHERWISE INDICATED.
9. CAUTION SHALL BE USED NOT TO EXTEND MULCH LAYER ABOVE SOIL LEVEL AT TRUNKS/STEMS OF INSTALLED PLANT MATERIAL.
10. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN SIZES AND QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PLANT TREES AT THE SPACING INDICATED ON THE PLANS. THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT INJURED, DISEASED, DESICCATED OR INCORRECT SPECIES AT ANY TIME.
11. ALL PLANTS THAT ARE DELIVERED TO THE SITE AND NOT PLANTED IMMEDIATELY SHALL BE STORED AND WATERED PROPERLY, ACCORDING TO THE SPECIFICATIONS, IN SECURE LOCATIONS REVIEWED BY THE LANDSCAPE ARCHITECT. ALL PLANTS SHALL HAVE ONE YEAR GUARANTEE.
12. ALL TREES SHALL BE STAKED OR ANCHORED SECURELY AND ACCORDING TO THE SITE DETAILS.
13. ALL NEW AND EXISTING PLANT MATERIAL WITHIN THE LANDSCAPE LIMIT OF WORK LINE SHALL BE PRUNED AFTER PLANTING TO REMOVE ALL DEAD OR DAMAGED BRANCHES. TREE WOUND DRESSING SHALL NOT BE USED ON ANY PLANTINGS. ALL NEW PLANTINGS SHALL BE WATERED FROM DELIVERY UNTIL THE END OF THE GUARANTEE PERIOD.
14. ALL PLANTS SHALL BEAR THE SAME RELATION TO FINISHED GRADE AS TO ORIGINAL GRADE BEFORE DIGGING, UNLESS OTHERWISE DETAILED, AND SHALL HAVE A MULCHED SAUCER ACCORDING TO DETAILS.
15. ALL PAPER, PLASTIC CONTAINERS, BURLAP, WIRE BASKETS, AND IRON FASTENERS SHALL BE REMOVED FROM PLANTS BEFORE SETTING IN PLANT PIT.
16. MULCH WITH 2" DEPTH SHREDDED PINE BARK TO LIMITS OF BED IN LOCATION SHOWN ON PLANTING PLANS AND DETAILS.
17. EXISTING TOPSOIL SHALL BE UTILIZED FOR LOAM OR PLANTING SOIL MIXTURES ONLY IF TESTING INDICATES TOTAL CONFORMITY TO SPECIFICATIONS FOR LOAM BORROW. ALL GRASS, SOD, ROOTS, SHELLS AND STONES OVER HALF-INCH DIAMETER SHALL BE REMOVED AND LEGALLY DISPOSED OF, REFER TO SPECIFICATIONS FOR REQUIREMENTS FOR AMENDED TOPSOIL.
18. TREE PIT LOCATIONS SHALL BE TESTED FOR DRAINAGE FOLLOWING METHODS AS REQUIRED BY SPECIFICATIONS.
19. REFER TO DRAWINGS FOR TREE PROTECTION DETAIL. TREE PROTECTIVE FENCING SHALL BE INSTALLED BEFORE CONSTRUCTION VEHICLES ACCESS OR CONSTRUCTION OCCURS WITHIN 25' OF ANY EXISTING TREE TO REMAIN. FENCING SHALL BE INSTALLED AT TREE DRIPLINE OR EDGE OF ADJACENT PAVING AND ACCORDING TO TREE REMOVAL AND PROTECTION PLANS AND WITH REVIEW OF THE LANDSCAPE ARCHITECT. REMOVAL SHALL BE AT COMPLETION OF CONSTRUCTION IN THE VICINITY.
20. ALL PROPOSED PLANTS SHALL BE LAID OUT IN FIELD WITH LANDSCAPE ARCHITECT.

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CLEMENTE PARK
803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:



DRAWING TITLE:

LANDSCAPE GENERAL NOTES

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: NONE

SUBMISSION: BID SET

DRAWING NO.

L-0

J:\Clemente Park - Lowell\DWGS\CAD\SHEET\L-0 General Notes, L-0, 9/6/2024

LEGEND

SITE PAVING + EDGING

SYMBOL	TYPE	DESCRIPTION	SHEET
A1		PEDESTRIAN CONCRETE PAVING	LD-1
A2		VEHICULAR BITUMINOUS CONCRETE PAVING	LD-1
A3		PEDESTRIAN BITUMINOUS CONCRETE PAVING	LD-1
A4		BITUMINOUS CONCRETE PAVING WITH COLORED SEALCOAT	LD-1
A5		STABILIZED STONE DUST PAVING	LD-1
A6		STONE DUST PAVING	LD-1
A7		POURED IN PLACE RUBBERIZED SAFETY SURFACING	LD-1
A8		POURED IN PLACE RUBBERIZED SAFETY SURFACING AT EMBANKMENT MOUND	LD-1

CURBS

SYMBOL	TYPE	DESCRIPTION	SHEET
B1		ROLLED ASPHALT CURB	LD-1

FENCING

SYMBOL	TYPE	DESCRIPTION	SHEET
C1		REFURBISHED BLACK VINYL CLAD CHAIN LINK FENCE - 4' HIGH	LD-3
C2		REFURBISHED BLACK VINYL CLAD CHAIN LINK FENCE - 10' HIGH	LD-3

NOTE: GREYED OUT ITEMS ARE IN ADD-ALTERNATES, REFER TO SHEET L-1.1

CAST IN PLACE STAIRS AND SEATWALLS

SYMBOL	TYPE	DESCRIPTION	SHEET
D1		CAST IN PLACE CONCRETE STEPS AND CHEEK WALLS WITH STAINLESS STEEL HANDRAILS (ADD ALTERNATE 11)	LD-2
D2		CAST IN PLACE CONCRETE SEATWALL (ADD ALTERNATE 12)	LD-3

ATHLETIC EQUIPMENT

SYMBOL	TYPE	DESCRIPTION	SHEET
E1		REFURBISHED BASKETBALL POST	LD-3
E2		REFURBISHED BASKETBALL BACKBOARD AND HOOP WITH NEW NET	LD-3
E3		BASKETBALL BACKBOARD, RIM AND NET (ADD ALTERNATE 1)	LD-3
E4		REFURBISHED VOLLEYBALL POST	LD-3
E5		REFURBISHED VOLLEYBALL NET (REFER TO SPECIFICATIONS)	
E6		VOLLEYBALL POST	LD-3
E7		VOLLEYBALL NET (REFER TO SPECIFICATIONS)	
E8		VOLLEYBALL BOUNDARY LINES (REFER TO SPECIFICATIONS)	

SITE FURNISHINGS

SYMBOL	TYPE	DESCRIPTION	SHEET
F1		ADA PICNIC TABLE (ADD ALTERNATE 10)	LD-4
F2		CAFE TABLE (ADD ALTERNATE 7)	LD-4
F3		PARK BENCH, BACKLESS (ADD ALTERNATE 5)	LD-3
F4		PARK BENCH, BACKED (ADD ALTERNATE 4)	LD-3
F5		WATER FOUNTAIN - SEE CIVIL SERIES (ADD ALTERNATE 8)	
F6		DOG WASTE RECEPTACLE (ADD ALTERNATE 9)	LD-3
F7		TRASH RECEPTACLE (ADD ALTERNATE 6)	
F8		BICYCLE RACK (ADD ALTERNATE 2)	LD-3
F9		RESET SALVAGED BENCH / BLEACHER	
F10		INSTALLATION OF RECLAIMED GRANITE BLOCK	LD-4
F11		COLLAPSIBLE BOLLARD (SEE CIVIL SERIES)	
F12		LAP MARKER (ADD ALTERNATE 3)	LD-4

PLAY EQUIPMENT

SYMBOL	TYPE	DESCRIPTION	SHEET
G1		TRIPLE CUBE TOWER WITH SLIDES (SEE SPECIFICATIONS AND APPENDIX A)	
G2		PLAY PLANETARIUM (SEE SPECIFICATIONS AND APPENDIX A)	
G3		SWINGSET WITH EXPRESSION SWING AND BUCKET SWING	
G4		SAUCER SWING (SEE APPENDIX A)	
G5		TILTED WHIRLWIND SEAT (SEE APPENDIX A)	
G6		SEATED SPINNER (SEE APPENDIX A)	
G7		3' DOUBLE HILLSIDE SLIDE (SEE APPENDIX A)	
G8		3' DOUBLE HILLSIDE SLIDE (SEE APPENDIX A)	

SIGNAGE

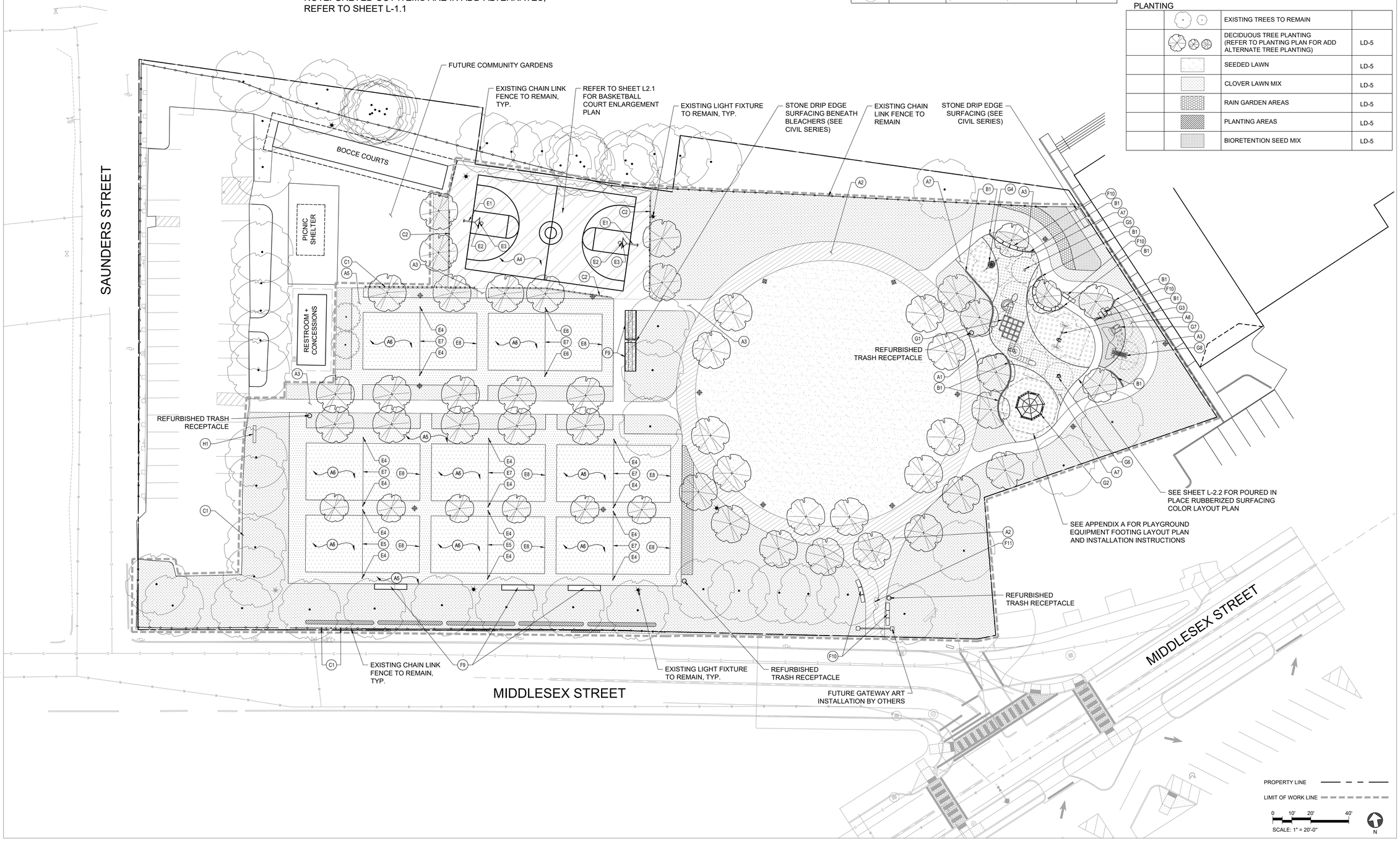
SYMBOL	TYPE	DESCRIPTION	SHEET
H1		RESET GRANITE PARK SIGN	LD-4

LIGHTING

		FUTURE LIGHT POLE LOCATION (NOT IN CONTRACT)	
		EXISTING LIGHT POLE FIXTURE TO REMAIN	

PLANTING

		EXISTING TREES TO REMAIN	
		DECIDUOUS TREE PLANTING (REFER TO PLANTING PLAN FOR ADD ALTERNATE TREE PLANTING)	LD-5
		SEEDED LAWN	LD-5
		CLOVER LAWN MIX	LD-5
		RAIN GARDEN AREAS	LD-5
		PLANTING AREAS	LD-5
		BIORETENTION SEED MIX	LD-5



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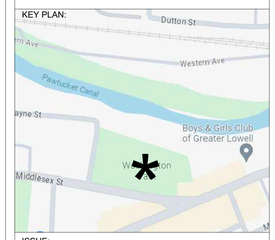
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Salem, NH 03079

CLEMENTE PARK

803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

MASSACHUSETTS
MONIQUE V. HALL
NO. 4217
REGISTERED LANDSCAPE ARCHITECT
09/09/24

DRAWING TITLE:

LANDSCAPE MATERIALS PLAN - BASE BID

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=20'-0"

SUBMISSION: BID SET

DRAWING NO.

L-1

J:\Clemente Park - Lowell\DWGS\CAD\SHEETS\L-1 Materials Plan, L-1, 9/9/2024

LEGEND

SITE PAVING + EDGING

SYMBOL	TYPE	DESCRIPTION	SHEET
A1		PEDESTRIAN CONCRETE PAVING	LD-1
A2		VEHICULAR BITUMINOUS CONCRETE PAVING	LD-1
A3		PEDESTRIAN BITUMINOUS CONCRETE PAVING	LD-1
A4		BITUMINOUS CONCRETE PAVING WITH COLORED SEALCOAT	LD-1
A5		STABILIZED STONE DUST PAVING	LD-1
A6		STONE DUST PAVING	LD-1
A7		POURED IN PLACE RUBBERIZED SAFETY SURFACING	LD-1
A8		POURED IN PLACE RUBBERIZED SAFETY SURFACING AT EMBANKMENT MOUND	LD-1

CURBS

SYMBOL	TYPE	DESCRIPTION	SHEET
B1		ROLLED ASPHALT CURB	LD-1

FENCING

SYMBOL	TYPE	DESCRIPTION	SHEET
C1		REFURBISHED BLACK VINYL CLAD CHAIN LINK FENCE - 4' HIGH	LD-3
C2		REFURBISHED BLACK VINYL CLAD CHAIN LINK FENCE - 10' HIGH	LD-3

NOTE: GREYED OUT ITEMS ARE IN BASE BID,
REFER TO SHEET L-1

CAST IN PLACE STAIRS AND SEATWALLS

SYMBOL	TYPE	DESCRIPTION	SHEET
D1		CAST IN PLACE CONCRETE STEPS AND CHEEK WALLS WITH STAINLESS STEEL HANDRAILS (ADD ALTERNATE 11)	LD-2
D2		CAST IN PLACE CONCRETE SEATWALL (ADD ALTERNATE 12)	LD-3

ATHLETIC EQUIPMENT

SYMBOL	TYPE	DESCRIPTION	SHEET
E1		REFURBISHED BASKETBALL POST	LD-3
E2		REFURBISHED BASKETBALL BACKBOARD AND HOOP WITH NEW NET	LD-3
E3		BASKETBALL BACKBOARD, HOOP AND NET (ADD ALTERNATE 1)	LD-3
E4		REFURBISHED VOLLEYBALL POST	LD-3
E5		REFURBISHED VOLLEYBALL NET (REFER TO SPECIFICATIONS)	
E6		VOLLEYBALL POST	LD-3
E7		VOLLEYBALL NET (REFER TO SPECIFICATIONS)	
E8		VOLLEYBALL BOUNDARY LINES (REFER TO SPECIFICATIONS)	

SITE FURNISHINGS

SYMBOL	TYPE	DESCRIPTION	SHEET
F1		ADA PICNIC TABLE (ADD ALTERNATE 10)	LD-4
F2		CAFE TABLE (ADD ALTERNATE 7)	LD-4
F3		PARK BENCH, BACKLESS (ADD ALTERNATE 5)	LD-3
F4		PARK BENCH, BACKED (ADD ALTERNATE 4)	LD-3
F5		WATER FOUNTAIN - SEE CIVIL SERIES (ADD ALTERNATE 8)	
F6		DOG WASTE RECEPTACLE (ADD ALTERNATE 9)	LD-3
F7		REFURBISHED TRASH RECEPTACLE (OR NEW TRASH RECEPTACLE - ADD ALTERNATE 6, SEE SPECIFICATIONS)	
F8		BICYCLE RACK (ADD ALTERNATE 2)	LD-3
F9		RESET SALVAGED BENCH / BLEACHER	
F10		INSTALLATION OF RECLAIMED GRANITE BLOCK	LD-4
F11		COLLAPSIBLE BOLLARD (SEE CIVIL SERIES)	
F12		LAP MARKER SIGN (ADD ALTERNATE 3)	LD-4

PLAY EQUIPMENT

SYMBOL	TYPE	DESCRIPTION	SHEET
G1		TRIPLE CUBE TOWER WITH SLIDES (SEE SPECIFICATIONS AND APPENDIX A)	
G2		PLAY PLANETARIUM (SEE SPECIFICATIONS AND APPENDIX A)	
G3		SWINGSET WITH EXPRESSION SWING AND BUCKET SWING	
G4		SAUCER SWING (SEE APPENDIX A)	
G5		TILTED WHIRLWIND SEAT (SEE APPENDIX A)	
G6		SEATED SPINNER (SEE APPENDIX A)	
G7		3' DOUBLE HILLSIDE SLIDE (SEE APPENDIX A)	
G8		3' DOUBLE HILLSIDE SLIDE (SEE APPENDIX A)	

SIGNAGE

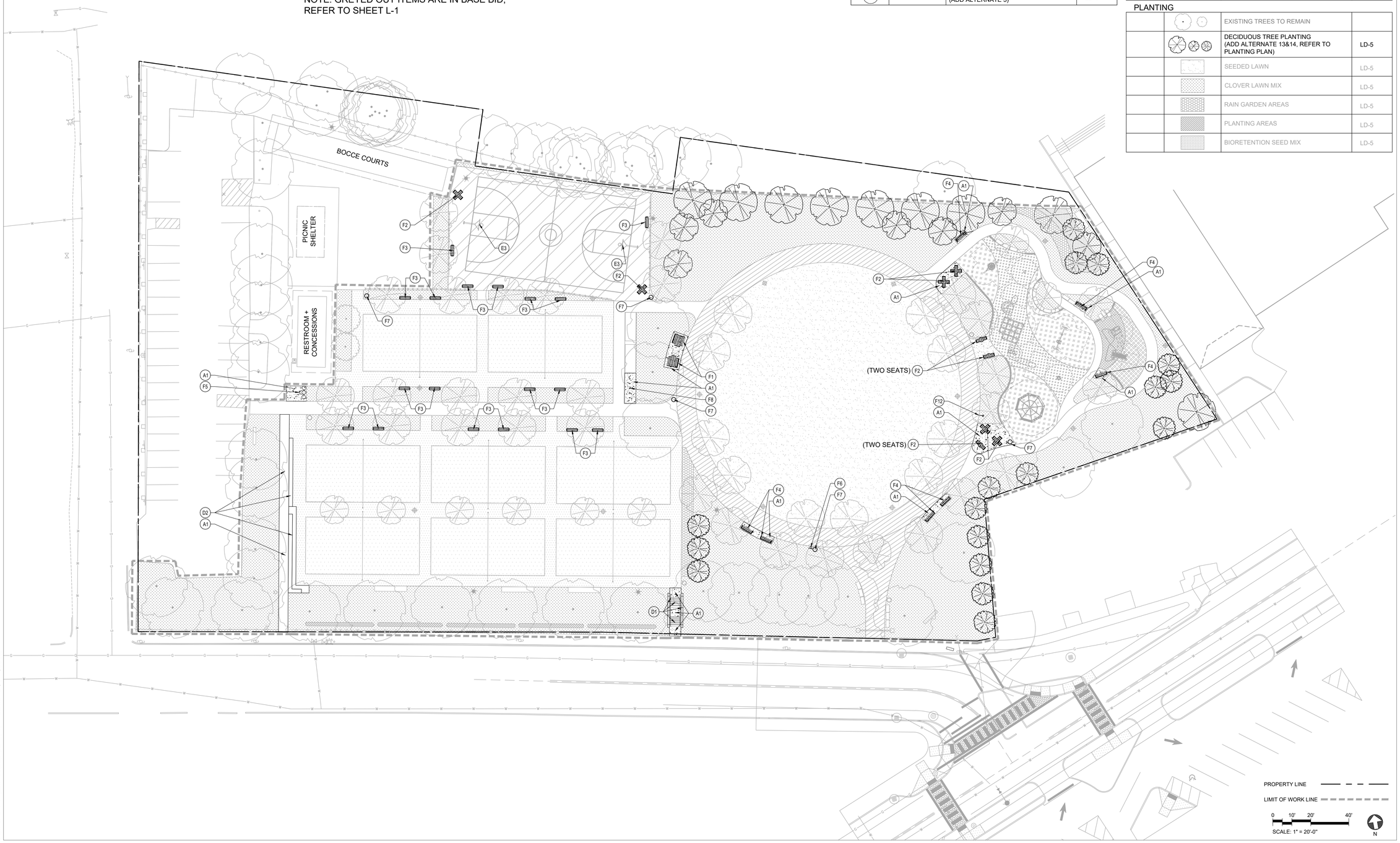
SYMBOL	TYPE	DESCRIPTION	SHEET
H1		RESET GRANITE PARK SIGN	LD-4

LIGHTING

		FUTURE LIGHT POLE LOCATION (NOT IN CONTRACT)	
		EXISTING LIGHT POLE FIXTURE TO REMAIN	

PLANTING

		EXISTING TREES TO REMAIN	
		DECIDUOUS TREE PLANTING (ADD ALTERNATE 13&14, REFER TO PLANTING PLAN)	LD-5
		SEEDED LAWN	LD-5
		CLOVER LAWN MIX	LD-5
		RAIN GARDEN AREAS	LD-5
		PLANTING AREAS	LD-5
		BIORETENTION SEED MIX	LD-5

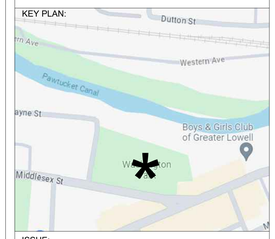


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CLEMENTE PARK
803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

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STAMPED AND SIGNED:

MASSACHUSETTS
MONIQUE V. HALL
NO. 4217
REGISTERED LANDSCAPE ARCHITECT
09/09/24

DRAWING TITLE:

LANDSCAPE MATERIALS PLAN - ADD ALTERNATES

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=20'-0"

SUBMISSION: BID SET

DRAWING NO.

L-1.1

J:\Clements Park - Lowell\DWGS\CAD\SHEET\L-1 Materials Plan, L-1.1, 9/9/2024

LEGEND

SITE PAVING + EDGING

SYMBOL	TYPE	DESCRIPTION	SHEET
A1		PEDESTRIAN CONCRETE PAVING	LD-1
A2		VEHICULAR BITUMINOUS CONCRETE PAVING	LD-1
A3		PEDESTRIAN BITUMINOUS CONCRETE PAVING	LD-1
A4		BITUMINOUS CONCRETE PAVING WITH COLORED SEALCOAT	LD-1
A5		STABILIZED STONE DUST PAVING	LD-1
A6		STONE DUST PAVING	LD-1
A7		POURED IN PLACE RUBBERIZED SAFETY SURFACING	LD-1
A8		POURED IN PLACE RUBBERIZED SAFETY SURFACING AT EMBANKMENT MOUND	LD-1

CURBS

SYMBOL	TYPE	DESCRIPTION	SHEET
B1		ROLLED ASPHALT CURB	LD-1

FENCING

SYMBOL	TYPE	DESCRIPTION	SHEET
C1		REFURBISHED BLACK VINYL CLAD CHAIN LINK FENCE - 4' HIGH	LD-3
C2		REFURBISHED BLACK VINYL CLAD CHAIN LINK FENCE - 10' HIGH	LD-3

CAST IN PLACE STAIRS AND SEATWALLS

SYMBOL	TYPE	DESCRIPTION	SHEET
D1		CAST IN PLACE CONCRETE STEPS AND CHEEK WALLS WITH STAINLESS STEEL HANDRAILS (ADD ALTERNATE 11)	LD-2
D2		CAST IN PLACE CONCRETE SEATWALL (ADD ALTERNATE 12)	LD-3

ATHLETIC EQUIPMENT

SYMBOL	TYPE	DESCRIPTION	SHEET
E1		REFURBISHED BASKETBALL POST	LD-3
E2		REFURBISHED BASKETBALL BACKBOARD AND HOOP WITH NEW NET	LD-3
E3		BASKETBALL BACKBOARD, RIM AND NET (ADD ALTERNATE 1)	LD-3
E4		REFURBISHED VOLLEYBALL POST	LD-3
E5		REFURBISHED VOLLEYBALL NET (REFER TO SPECIFICATIONS)	
E6		VOLLEYBALL POST	LD-3
E7		VOLLEYBALL NET (REFER TO SPECIFICATIONS)	
E8		VOLLEYBALL BOUNDARY LINES (REFER TO SPECIFICATIONS)	

SITE FURNISHINGS

SYMBOL	TYPE	DESCRIPTION	SHEET
F1		ADA PICNIC TABLE (ADD ALTERNATE 10)	LD-4
F2		CAFE TABLE (ADD ALTERNATE 7)	LD-4
F3		PARK BENCH, BACKLESS (ADD ALTERNATE 5)	LD-3
F4		PARK BENCH, BACKED (ADD ALTERNATE 4)	LD-3
F5		WATER FOUNTAIN - SEE CIVIL SERIES (ADD ALTERNATE 8)	
F6		DOG WASTE RECEPTACLE (ADD ALTERNATE 9)	LD-3
F7		REFURBISHED TRASH RECEPTACLE (OR NEW TRASH RECEPTACLE - ADD ALTERNATE 6, SEE SPECIFICATIONS)	
F8		BICYCLE RACK (ADD ALTERNATE 2)	LD-3
F9		RESET SALVAGED BENCH / BLEACHER	
F10		INSTALLATION OF RECLAIMED GRANITE BLOCK	LD-4
F11		COLLAPSIBLE BOLLARD (SEE CIVIL SERIES)	
F12		LAP MARKER SIGN (ADD ALTERNATE 3)	LD-4

PLAY EQUIPMENT

SYMBOL	TYPE	DESCRIPTION	SHEET
G1		TRIPLE CUBE TOWER WITH SLIDES (SEE SPECIFICATIONS AND APPENDIX A)	
G2		PLAY PLANETARIUM (SEE SPECIFICATIONS AND APPENDIX A)	
G3		SWINGSET WITH EXPRESSION SWING AND BUCKET SWING	
G4		SAUCER SWING (SEE APPENDIX A)	
G5		TILTED WHIRLWIND SEAT (SEE APPENDIX A)	
G6		SEATED SPINNER (SEE APPENDIX A)	
G7		3' DOUBLE HILLSIDE SLIDE (SEE APPENDIX A)	
G8		3' DOUBLE HILLSIDE SLIDE (SEE APPENDIX A)	

SIGNAGE

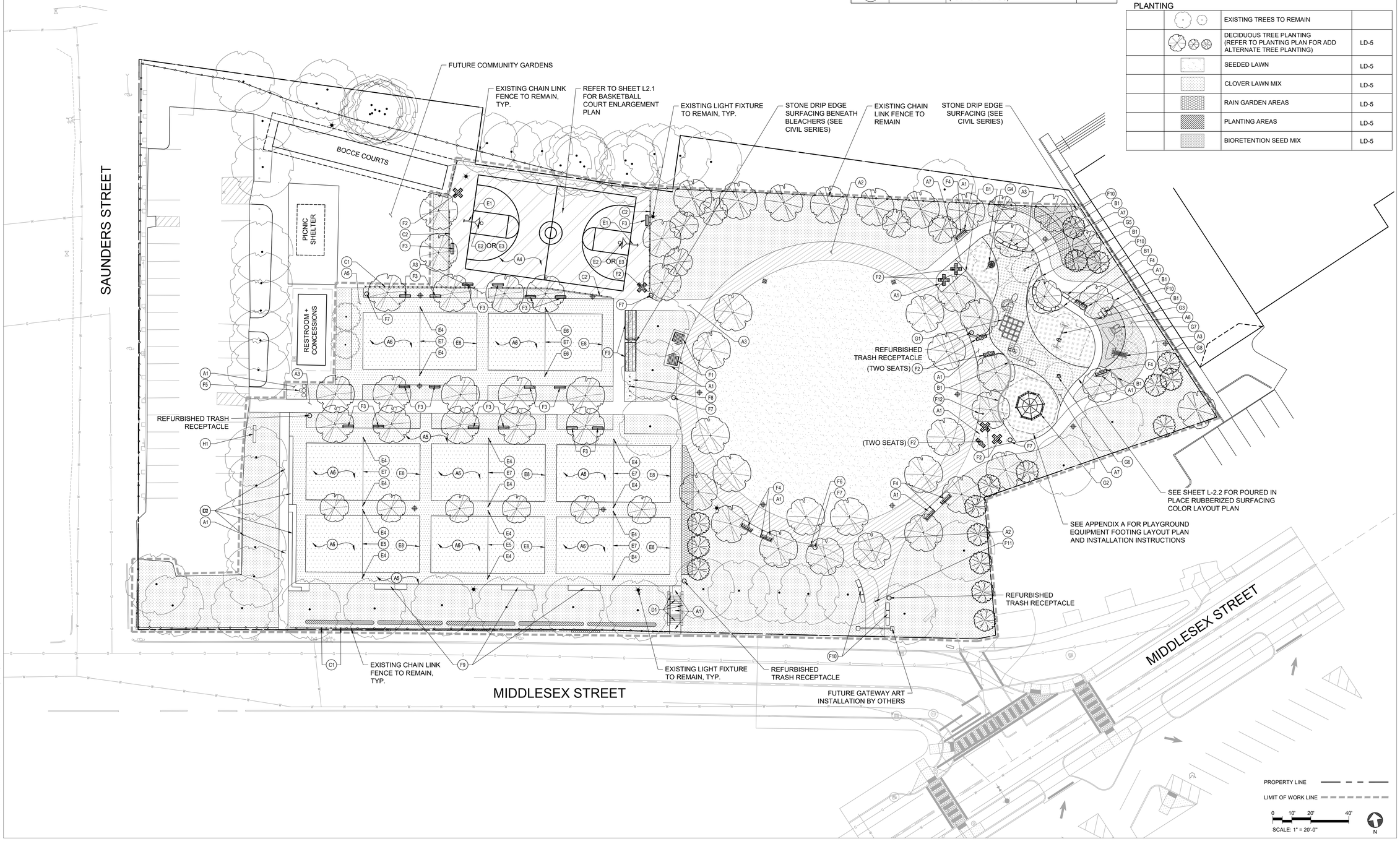
SYMBOL	TYPE	DESCRIPTION	SHEET
H1		RESET GRANITE PARK SIGN	LD-4

LIGHTING

		FUTURE LIGHT POLE LOCATION (NOT IN CONTRACT)	
		EXISTING LIGHT POLE FIXTURE TO REMAIN	

PLANTING

		EXISTING TREES TO REMAIN	
		DECIDUOUS TREE PLANTING (REFER TO PLANTING PLAN FOR ADD ALTERNATE TREE PLANTING)	LD-5
		SEEDED LAWN	LD-5
		CLOVER LAWN MIX	LD-5
		RAIN GARDEN AREAS	LD-5
		PLANTING AREAS	LD-5
		BIORETENTION SEED MIX	LD-5

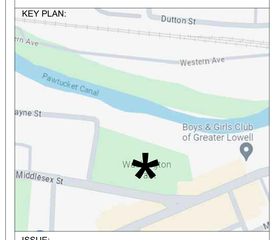


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Salem, NH 03079

CLEMENTE PARK
803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

MASSACHUSETTS MONIQUE V. HALL NO. 4217 REGISTERED LANDSCAPE ARCHITECT
09/09/24

DRAWING TITLE:
LANDSCAPE MATERIALS PLAN BASE BID & ADD ALTERNATES

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=20'-0"

SUBMISSION: BID SET

DRAWING NO.

L-1.2

J:\Clemente Park - Lowell\DWGS\CAD\SHEET\L-1 Materials Plan, L-1.2, 9/9/2024

BOCCE COURTS

PICNIC SHELTER

RESTROOM + CONCESSIONS

RAL 1016, SULFUR YELLOW

RAL 1016 SULFUR YELLOW

RAL 2008 BRIGHT RED ORANGE

RAL 5012 LIGHT BLUE

PROPERTY LINE

LIMIT OF WORK LINE

0 10' 20' 40'

SCALE: 1" = 20'-0"

N

J:\Clemente Park - Lowell\DWGS\CAD\SHEETS\L-1 Materials Plan, L-1.3, 9/9/2024

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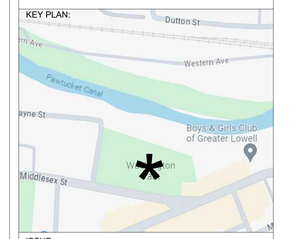
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KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

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MONIQUE V. HALL
NO. 4217
REGISTERED LANDSCAPE ARCHITECT

09/09/24

DRAWING TITLE:

SITE FURNISHING COLOR PLAN

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=20'-0"

SUBMISSION: BID SET

DRAWING NO.

L-1.3

ABBREVIATIONS:

CONC.	CONCRETE
EJ	EXPANSION JOINT
EQ	EQUAL
R	RADIUS
V.I.F.	VERIFY IN FIELD

SAUNDERS STREET

BOCCE COURTS

PICNIC SHELTER

RESTROOM + CONCESSIONS

SEE L2.1 FOR BASKETBALL COURT ENLARGEMENT PLAN

SEE APPENDIX A FOR PLAYGROUND EQUIPMENT FOOTING LAYOUT PLAN AND INSTALLATION INSTRUCTIONS

SEE L2.2 FOR PLAYGROUND ENLARGEMENT PLAN

MIDDLESEX STREET

MIDDLESEX STREET

PROPERTY LINE

LIMIT OF WORK LINE

0 10' 20' 40'

SCALE: 1" = 20'-0"

N

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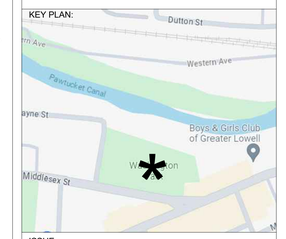
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CLEMENTE PARK

803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

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MASSACHUSETTS
MONIQUE V. HALL
NO. 4217
REGISTERED LANDSCAPE ARCHITECT
09/09/24

DRAWING TITLE:

LANDSCAPE LAYOUT PLAN

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=20'-0"

SUBMISSION: BID SET

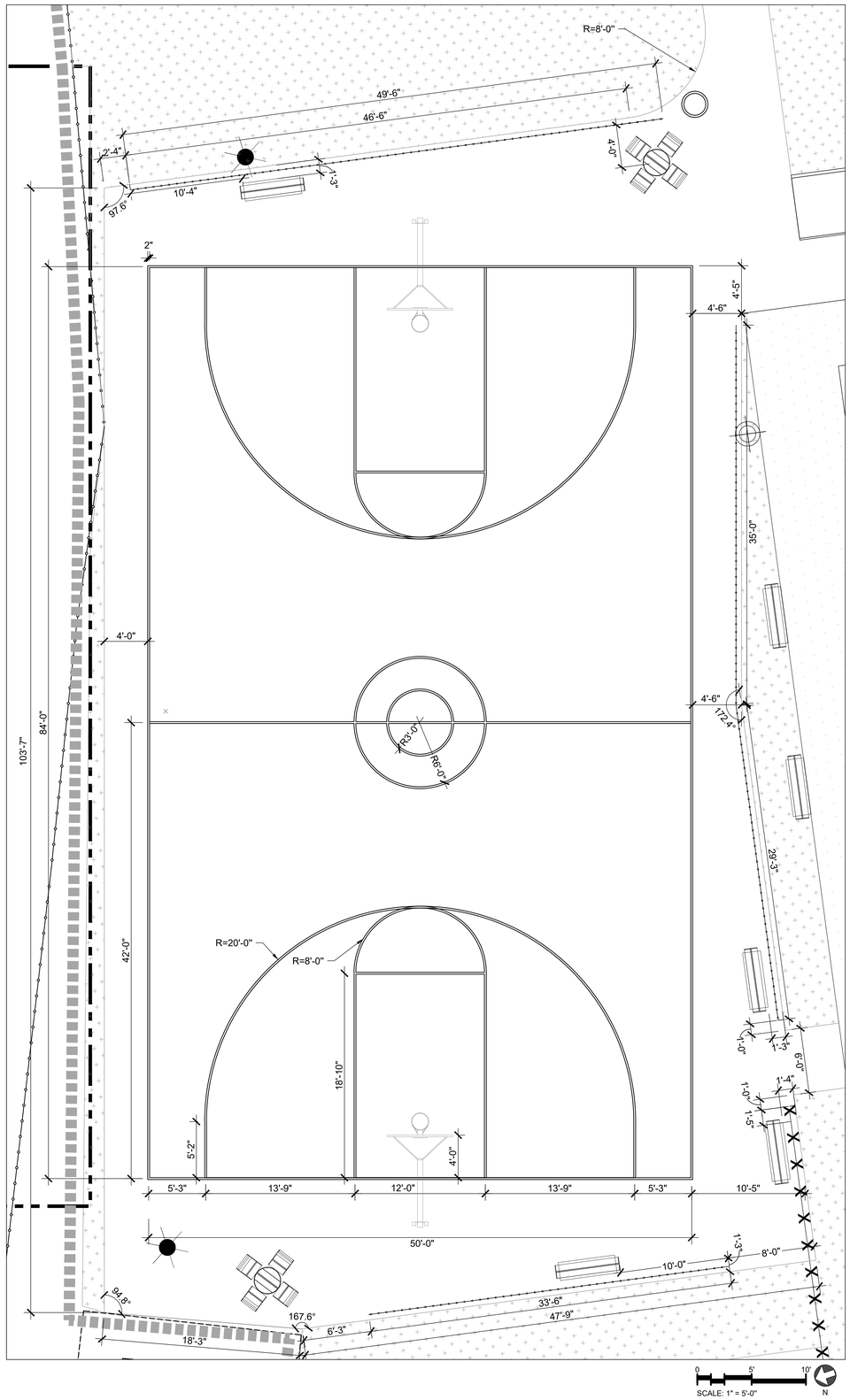
DRAWING NO.

L-2

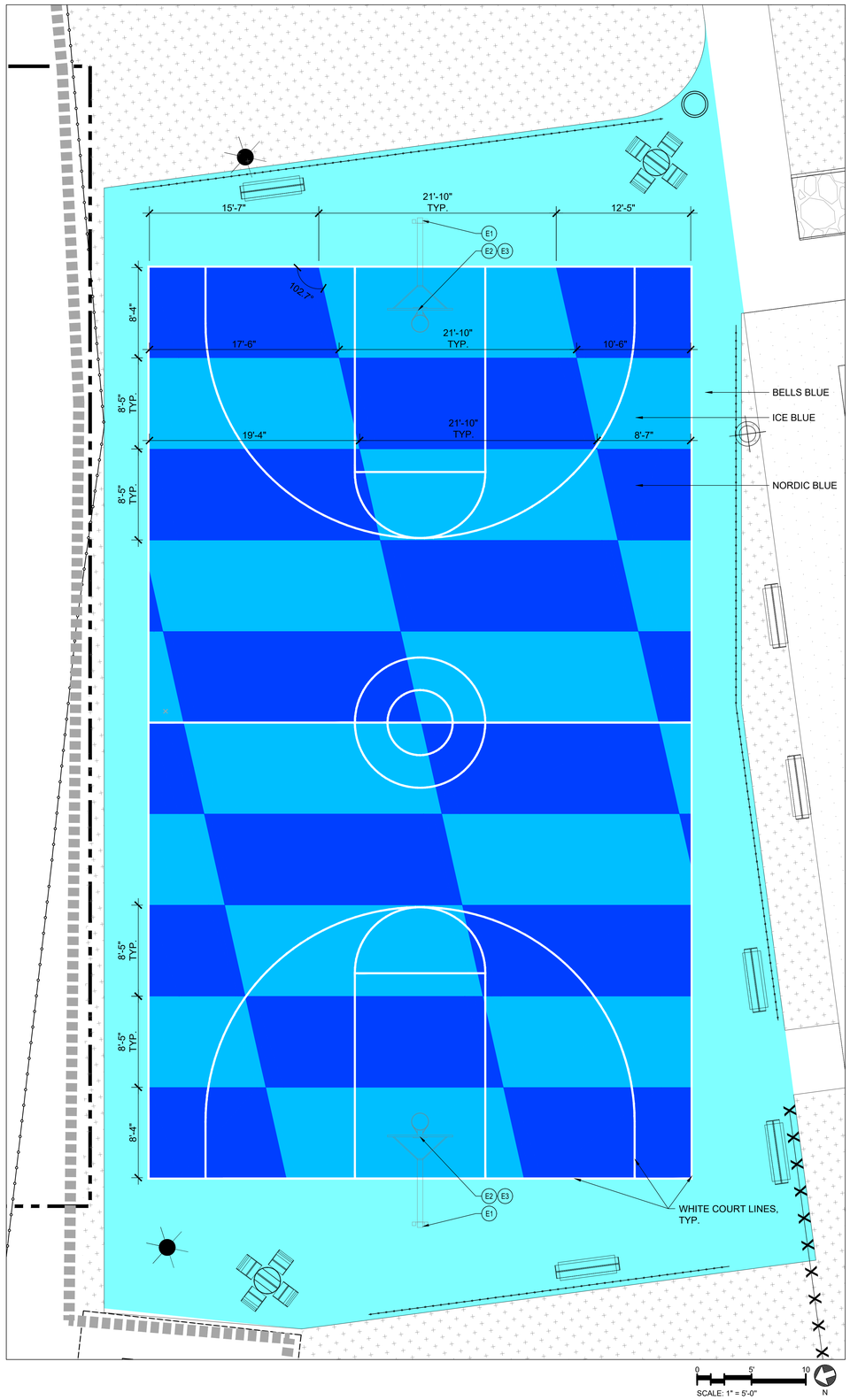
LEGEND

- BELLS BLUE
- ICE BLUE
- NORDIC BLUE

SYMBOL	DESCRIPTION	DETAIL
E1	REFURBISHED BASKETBALL POST	LD-3
E2	REFURBISHED BASKETBALL BACKBOARD AND HOOP WITH NEW NET	LD-3
E3	BASKETBALL BACKBOARD, HOOP AND NET (ADD ALTERNATE)	LD-3



BASKETBALL COURT LAYOUT PLAN



BASKETBALL COURT SEALCOAT COLOR LAYOUT PLAN

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CLEMENTE PARK

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Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:



DRAWING TITLE:

BASKETBALL ENLARGEMENT PLAN

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=5'-0"

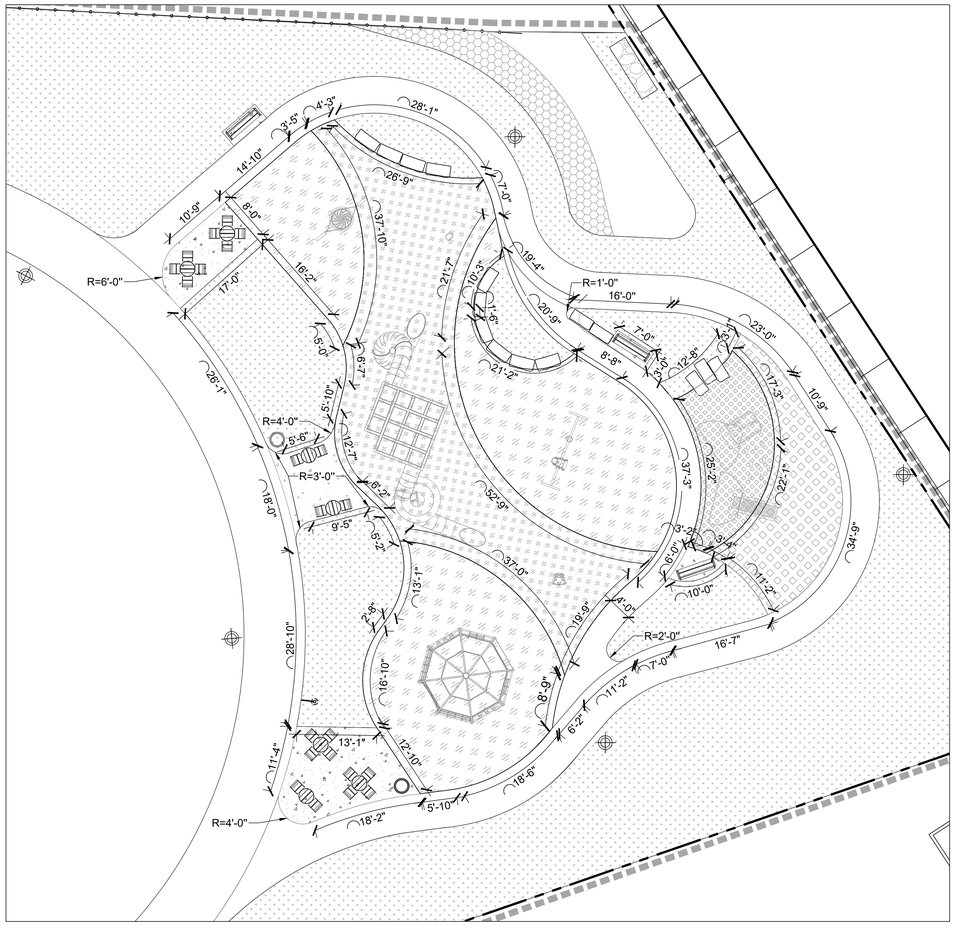
SUBMISSION: BID SET

DRAWING NO.

L-2.1

ABBREVIATIONS:

CONC.	CONCRETE
EJ	EXPANSION JOINT
EQ	EQUAL
R	RADIUS
V.I.F.	VERIFY IN FIELD



PLAYGROUND LAYOUT PLAN



PLAYGROUND SURFACING PLAN

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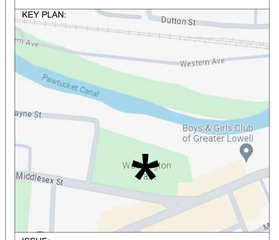
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KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:



DRAWING TITLE:

PLAYGROUND ENLARGEMENT PLAN

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=10'-0"

SUBMISSION: BID SET

DRAWING NO.

L-2.2

J:\Clemente Park - Lowell\DWGS\CAD\SHEET\L-2 Layout Plan. L-2.2. 9/6/2024

PLANTING LEGEND

SYMBOL	DESCRIPTION	SHEET
TREES, SHRUBS, + PERENNIALS		
	EXISTING TREES TO REMAIN	LD-5
	DECIDUOUS TREES	LD-5
	ORNAMENTAL TREES	LD-5
	SHRUB + PERENNIAL PLANTS	LD-5
LOAM AND SEEDED AREAS		
	SEEDED LAWN	LD-5
	CLOVER LAWN MIX	LD-5
	RAIN GARDEN AREAS	LD-5
	BIORETENTION SEED MIX	LD-5

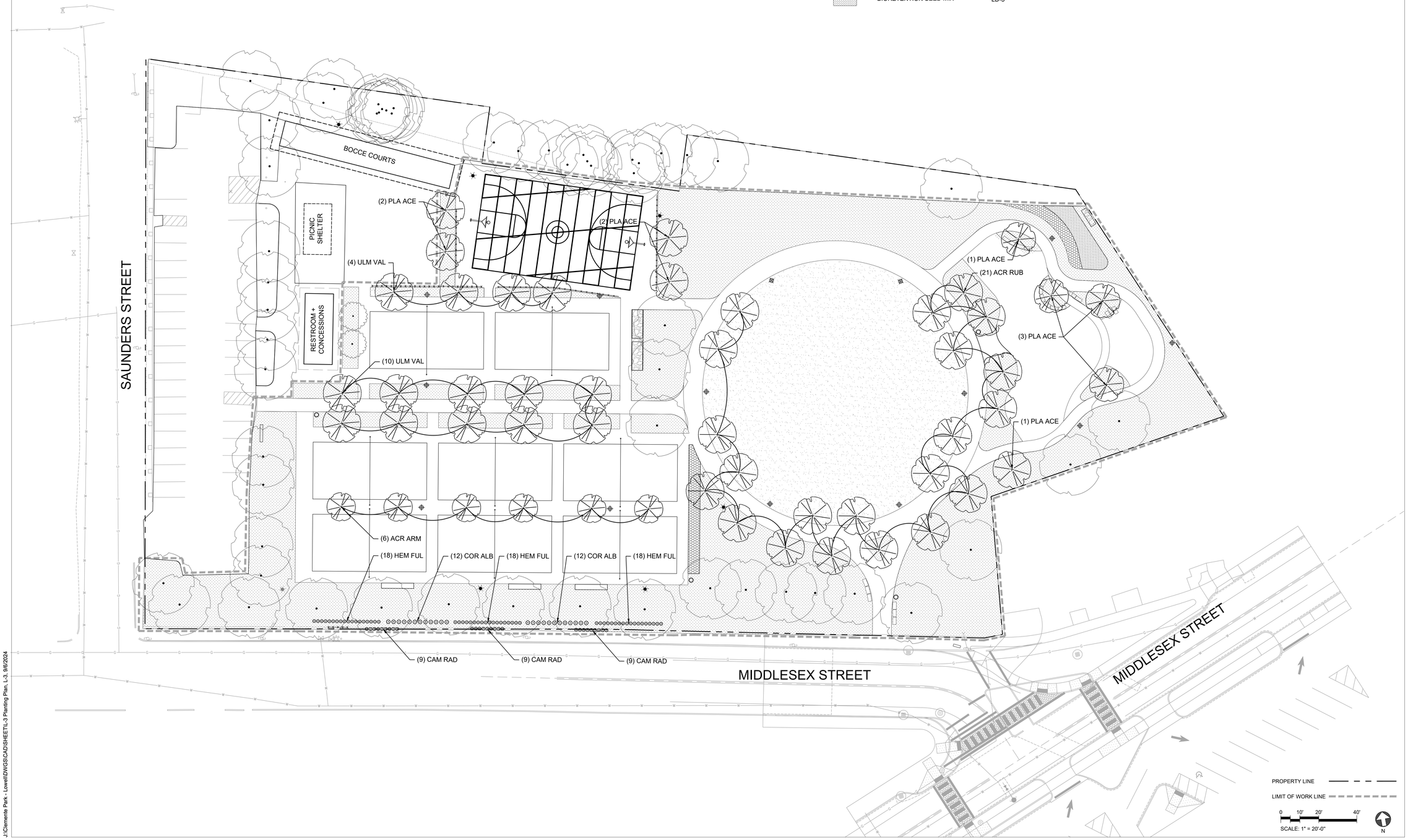
PLANTING SCHEDULE

DECIDUOUS TREES

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
ACR ARM	6	ACER RUBRUM 'ARMSTRONG GOLD' ARMSTRONG GOLD MAPLE	3-3.5" CAL.	B&B	MATCHING
ACR RUB	21	ACER RUBRUM 'RED SUNSET' 'RED SUNSET' RED MAPLE	3-3.5" CAL.	B&B	6' CLEAR TO LOWEST LIMB
PLA ACE	9	PLATANUS X ACERIFOLIA 'BLOODGOOD' LONDON PLANE TREE	3-3.5" CAL.	B&B	6' CLEAR TO LOWEST LIMB
ULM VAL	14	ULMUS 'VALLEY FORGE' VALLEY FORGE ELM	3-3.5" CAL.	B&B	6' CLEAR TO LOWEST LIMB

SHRUB AND PERENNIAL PLANTING

CODE	QTY	BOTANICAL / COMMON NAME	SIZE		SPACING
CAM RAD	27	CAMPSIS RADICANS TRUMPET VINE	#2, TRELLISED 12" MIN. HT.	CONT.	24" O.C.
COR ALB	24	CORNUS ALBA IVORY HALO DOGWOODS	#3	CONT.	36" O.C.
HEM FUL	54	HEMEROCALLIS FULVA DAYLILIES	#2	CONT.	18" O.C.

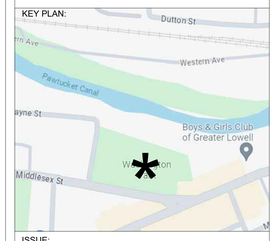


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CLEMENTE PARK
803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

MASSACHUSETTS
MONIQUE V. HALL
NO. 4217
REGISTERED LANDSCAPE ARCHITECT
09/09/24

DRAWING TITLE:

LANDSCAPE PLANTING PLAN - BASE BID

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=20'-0"

SUBMISSION: BID SET

DRAWING NO.

L-3

J:\Clemente Park - Lowell\DWG\CAD\SHEET\L-3 Planting Plan, L-3, 9/6/2024

PLANTING LEGEND

SYMBOL	DESCRIPTION	SHEET
TREES, SHRUBS, + PERENNIALS		
	EXISTING TREES TO REMAIN	LD-5
	DECIDUOUS TREES	LD-5
	ORNAMENTAL TREES	LD-5
	SHRUB + PERENNIAL PLANTS	LD-5
LOAM AND SEEDED AREAS		
	SEEDED LAWN	LD-5
	CLOVER LAWN MIX	LD-5
	RAIN GARDEN AREAS	LD-5
	BIORETENTION SEED MIX	LD-5

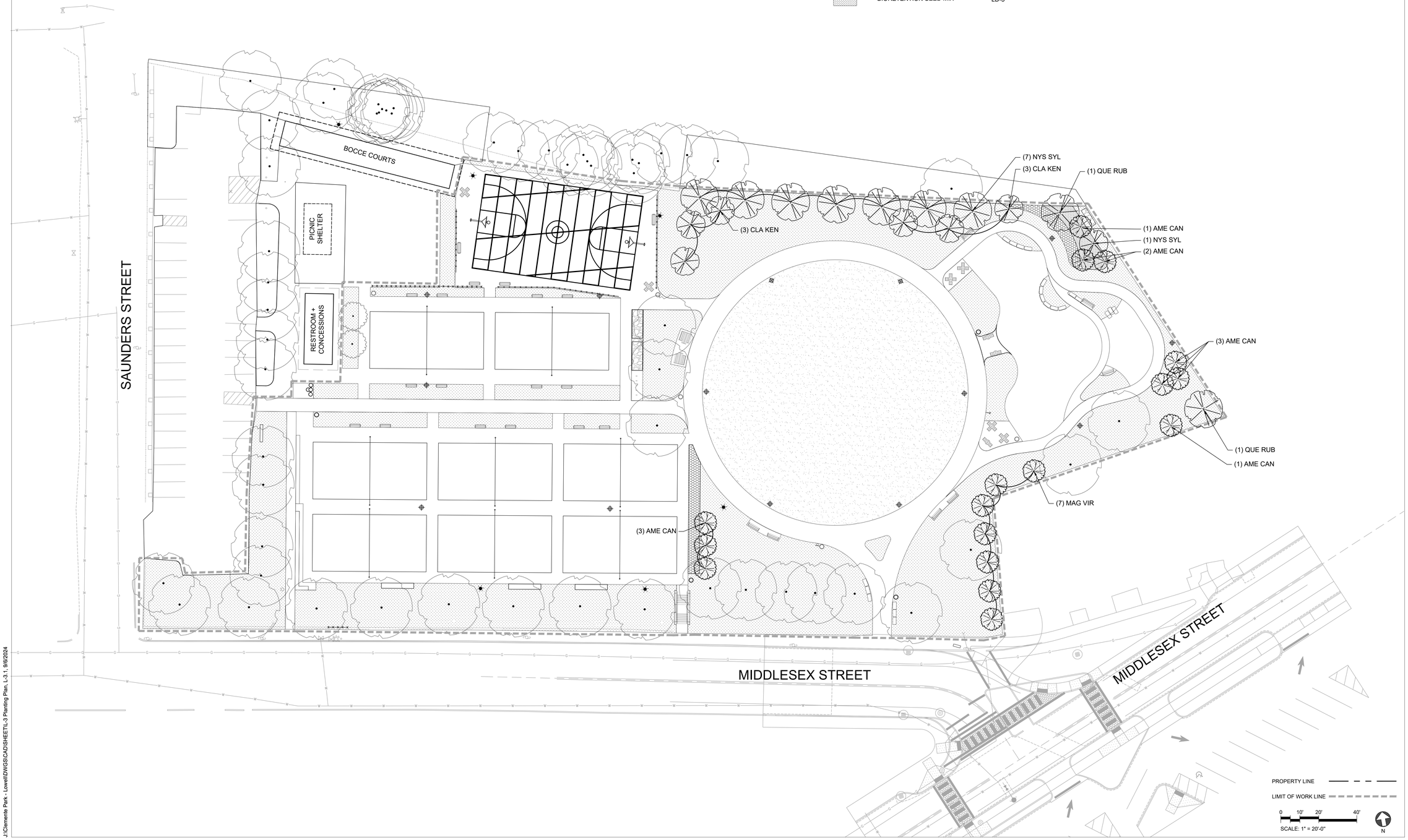
PLANTING SCHEDULE

DECIDUOUS TREES - ADD ALTERNATE #13

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
CLA KEN	6	CLADRASTIS KENTUKEA AMERICAN YELLOWWOOD	2.5-3" CAL.	B&B	
NYS SYL	8	NYSSA SYLVATICA TUPELO	2.5-3" CAL.	B&B	
QUE RUB	2	QUERCUS RUBRA NORTHERN RED OAK	2.5-3" CAL.	B&B	

ORNAMENTAL TREES - ADD ALTERNATE #14

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
AME CAN	10	AMELANCHIER CANADENSIS CANADIAN SERVICEBERRY	10` HT.	B&B	
MAG VIR	7	MAGNOLIA VIRGINIANA SWEETBAY MAGNOLIA	10` HT.	B&B	

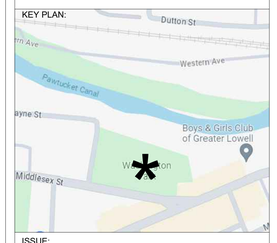


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Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

MASSACHUSETTS MONIQUE V. HALL NO. 4217 REGISTERED LANDSCAPE ARCHITECT
09/09/24

DRAWING TITLE:

LANDSCAPE PLANTING PLAN - ADD ALTERNATES

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: 1"=20'-0"

SUBMISSION: BID SET

DRAWING NO.

L-3.1

J:\Clemente Park - Lowell\DWGS\CAD\SHEETS\L-3 Planting Plan_L-3.1, 9/6/2024

PLANTING LEGEND

SYMBOL	DESCRIPTION	SHEET
TREES, SHRUBS, + PERENNIALS		
	EXISTING TREES TO REMAIN	LD-5
	DECIDUOUS TREES	LD-5
	ORNAMENTAL TREES	LD-5
	SHRUB + PERENNIAL PLANTS	LD-5
LOAM AND SEEDED AREAS		
	SEEDED LAWN	LD-5
	CLOVER LAWN MIX	LD-5
	RAIN GARDEN AREAS	LD-5
	BIORETENTION SEED MIX	LD-5

PLANTING SCHEDULE

DECIDUOUS TREES

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
ACR ARM	6	ACER RUBRUM 'ARMSTRONG GOLD' ARMSTRONG GOLD MAPLE	3-3.5" CAL.	B&B	MATCHING
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PLA ACE	9	PLATANUS X ACERIFOLIA 'BLOODGOOD' LONDON PLANE TREE	3-3.5" CAL.	B&B	6' CLEAR TO LOWEST LIMB
ULM VAL	14	ULMUS 'VALLEY FORGE' VALLEY FORGE ELM	3-3.5" CAL.	B&B	6' CLEAR TO LOWEST LIMB

DECIDUOUS TREES - ADD ALTERNATE #13

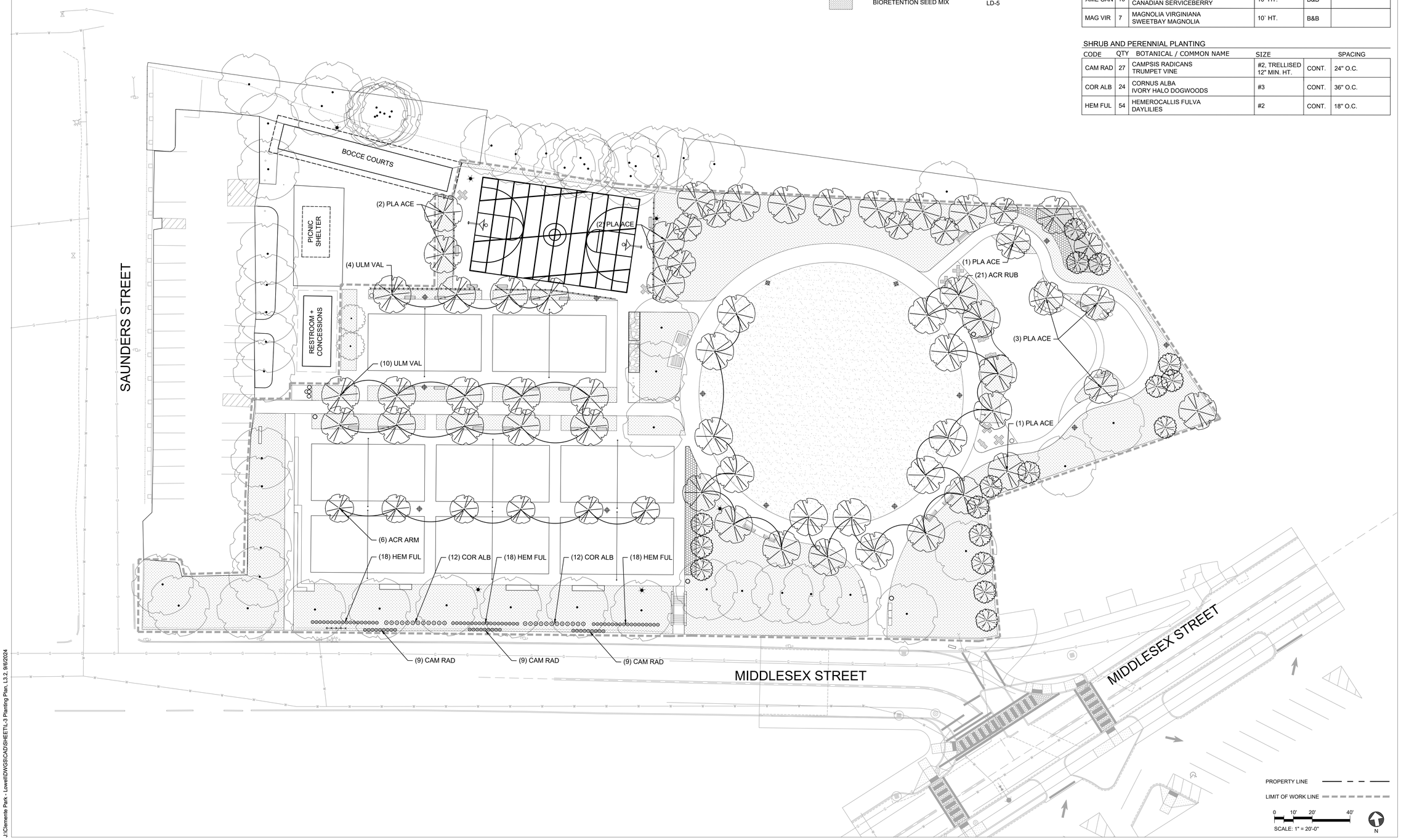
CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
CLA KEN	6	CLADRASTIS KENTUKEA AMERICAN YELLOWWOOD	2.5-3" CAL.	B&B	
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QUE RUB	2	QUERCUS RUBRA NORTHERN RED OAK	2.5-3" CAL.	B&B	

ORNAMENTAL TREES - ADD ALTERNATE #14

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
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SHRUB AND PERENNIAL PLANTING

CODE	QTY	BOTANICAL / COMMON NAME	SIZE		SPACING
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HEM FUL	54	HEMEROCALLIS FULVA DAYLILIES	#2	CONT.	18" O.C.

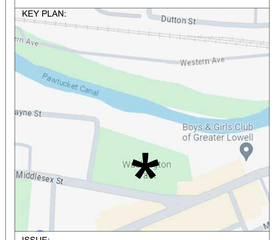


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KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

MASSACHUSETTS
MONIQUE V. HALL
NO. 4217
REGISTERED LANDSCAPE ARCHITECT
09/09/24

DRAWING TITLE:
LANDSCAPE PLANTING PLAN BASE BID & ADD ALTERNATES

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

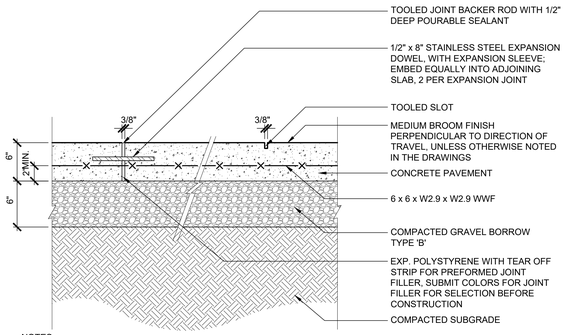
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SUBMISSION: BID SET

DRAWING NO.

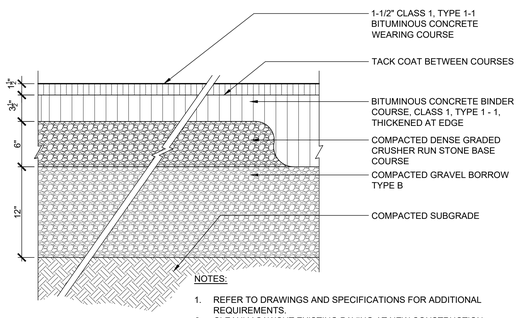
L-3.2

J:\Clemente Park - Lowell\DWG\CAD\SHEET\L-3 Planting Plan, L3.2, 9/6/2024



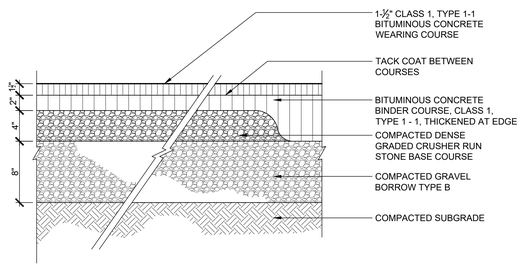
NOTES:
1. UTILIZE EXPANSION JOINT DETAIL FOR ALL CONSTRUCTION JOINT REQUIREMENTS, 30' O.C. MINIMUM.
2. UTILIZE 3/4" EXPANSION JOINT AT ALL VERTICAL STRUCTURE INTERFACES. USE 3/8" EXPANSION JOINTS AT ALL PAVING JOINTS.
3. PROVIDE CONTROL JOINTS IN LAYOUT APPROVED IN SHOP DRAWING.
4. REFER TO PLANS AND SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

A1 PEDESTRIAN CONCRETE PAVING
SCALE: 1-1/2"=1'-0"



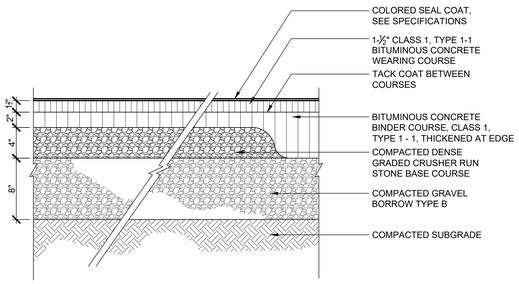
NOTES:
1. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. CLEANLY SAWCUT EXISTING PAVING AT NEW CONSTRUCTION.
3. ADJUST UTILITY COVERS AND RIMS AS REQUIRED TO MEET PROPOSED GRADES.
4. PITCH PAVING TO CATCHBASINS AND/OR DRAINS MAINTAINING MIN. .05% TO 2% TYPICAL CROSS SLOPE, MAX. 5% LONGITUDINAL SLOPE, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

A2 VEHICULAR BITUMINOUS CONCRETE PAVING
SCALE: 1-1/2"=1'-0"



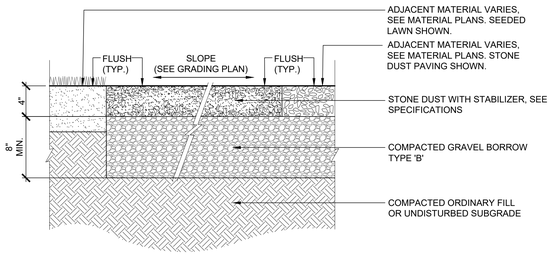
NOTES:
1. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. CLEANLY SAWCUT EXISTING PAVING AT NEW CONSTRUCTION.
3. ADJUST UTILITY COVERS AND RIMS AS REQUIRED TO MEET PROPOSED GRADES.
4. PITCH PAVING TO CATCHBASINS AND/OR DRAINS MAINTAINING MIN. .05% TO 2% TYPICAL CROSS SLOPE, MAX. 5% LONGITUDINAL SLOPE, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

A3 PEDESTRIAN BITUMINOUS CONCRETE PAVING
SCALE: 1-1/2"=1'-0"

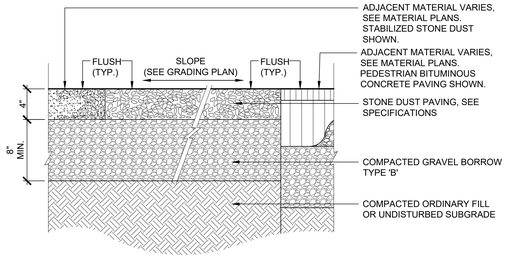


NOTES:
1. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PITCH PAVING TO DRAINS.
3. REFER TO SHEET L-2.1 BASKETBALL ENLARGEMENT PLAN FOR COLORED SEAL COAT COLORS AND PATTERN.

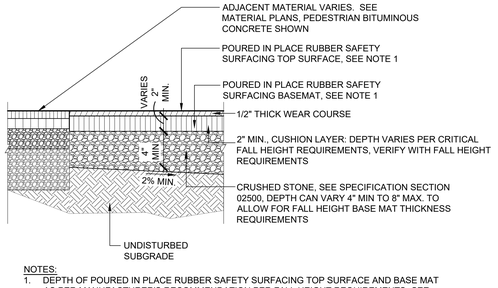
A4 BITUMUNOUS CONCRETE PAVING WITH COLORED SEAL COAT
SCALE: 1-1/2"=1'-0"



A5 STABILIZED STONE DUST PAVING
SCALE: 1-1/2"=1'-0"

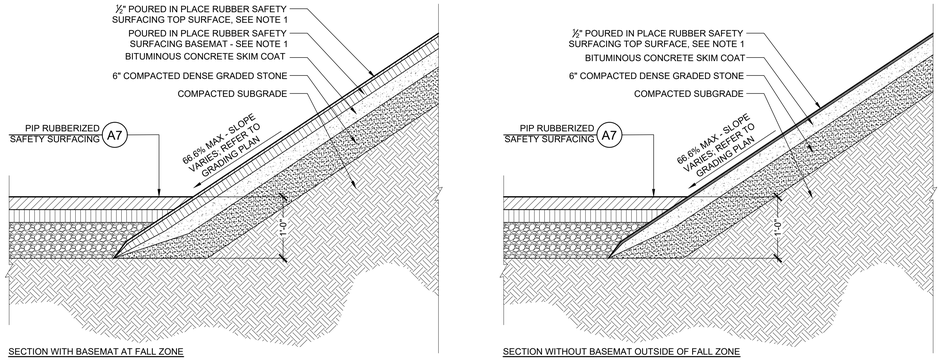


A6 STONE DUST PAVING
SCALE: 1-1/2"=1'-0"



NOTES:
1. DEPTH OF POURED IN PLACE RUBBER SAFETY SURFACING TOP SURFACE AND BASE MAT AS PER MANUFACTURER'S RECOMMENDATION PER FALL HEIGHT REQUIREMENTS -SEE SPECIFICATIONS APPENDIX A FOR MORE INFORMATION

A7 POURED IN PLACE RUBBERIZED SAFETY SURFACING
SCALE: 1"=1'-0"

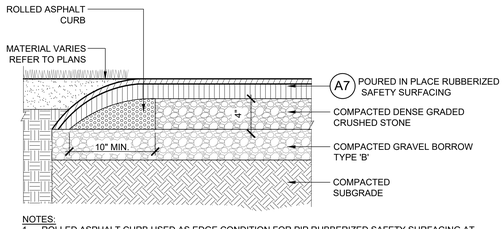


SECTION WITH BASEMAT AT FALL ZONE

SECTION WITHOUT BASEMAT OUTSIDE OF FALL ZONE

NOTES:
1. FOR FINISH GRADE OF POURED IN PLACE RUBBER SAFETY SURFACING MOUND, REFER TO GRADING PLAN.
2. DEPTH OF POURED IN PLACE RUBBER SAFETY SURFACING TOP SURFACE AND BASE MAT AS PER MANUFACTURER'S RECOMMENDATION PER FALL HEIGHT REQUIREMENTS

A8 POURED IN PLACE RUBBERIZED SAFETY SURFACING AT EMBANKMENT MOUND
SCALE: 1"=1'-0"



NOTES:
1. ROLLED ASPHALT CURB USED AS EDGE CONDITION FOR PIP RUBBERIZED SAFETY SURFACING AT INTERFACE WITH LAWN OR PLANTING BEDS, TYP.
2. REFER TO SPECIFICATIONS FOR ROLLED ASPHALT CURB REQUIREMENTS.

B1 ROLLED ASPHALT CURB
SCALE: 1"=1'-0"

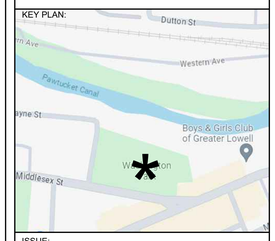
J:\Clemente Park - Lowell\DWG\CAD\SHEET\LD-1 Paving and Curbing Details, LD-1, 9/6/2024

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KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:



DRAWING TITLE:
LANDSCAPE DETAILS

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

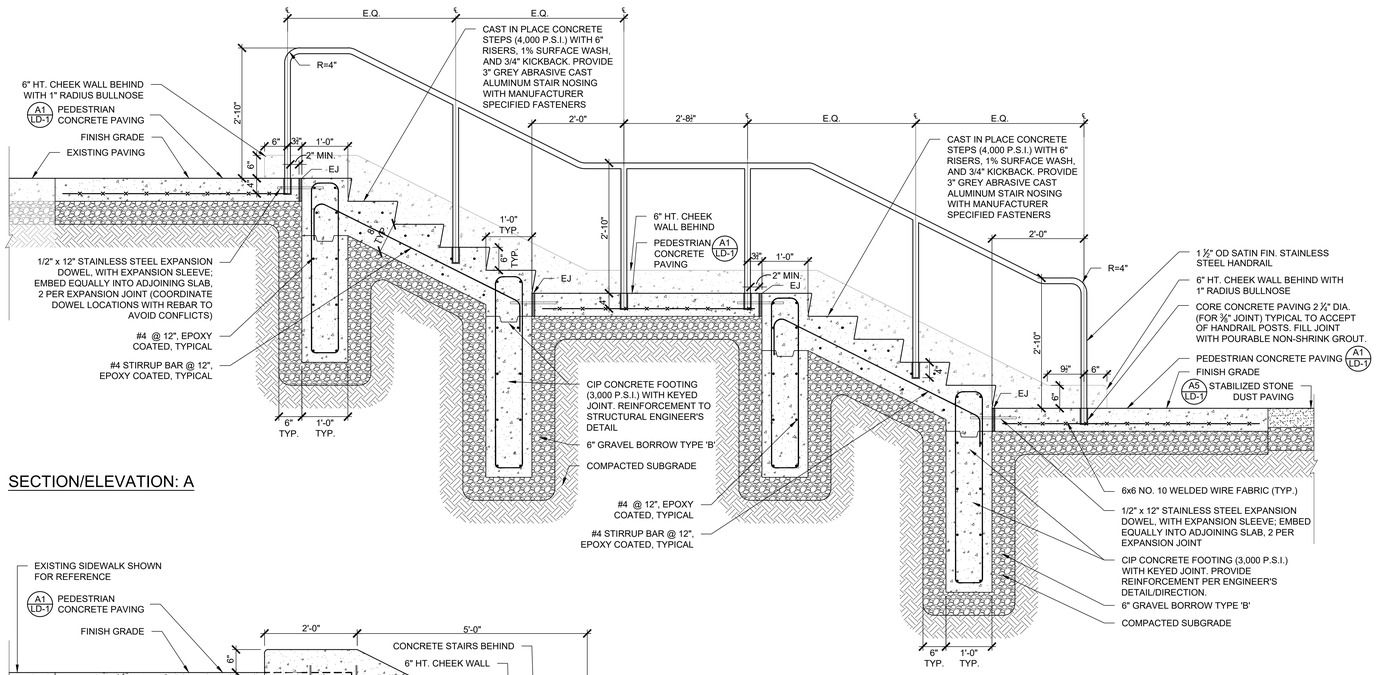
DATE: 09/09/2024

SCALE: AS NOTED

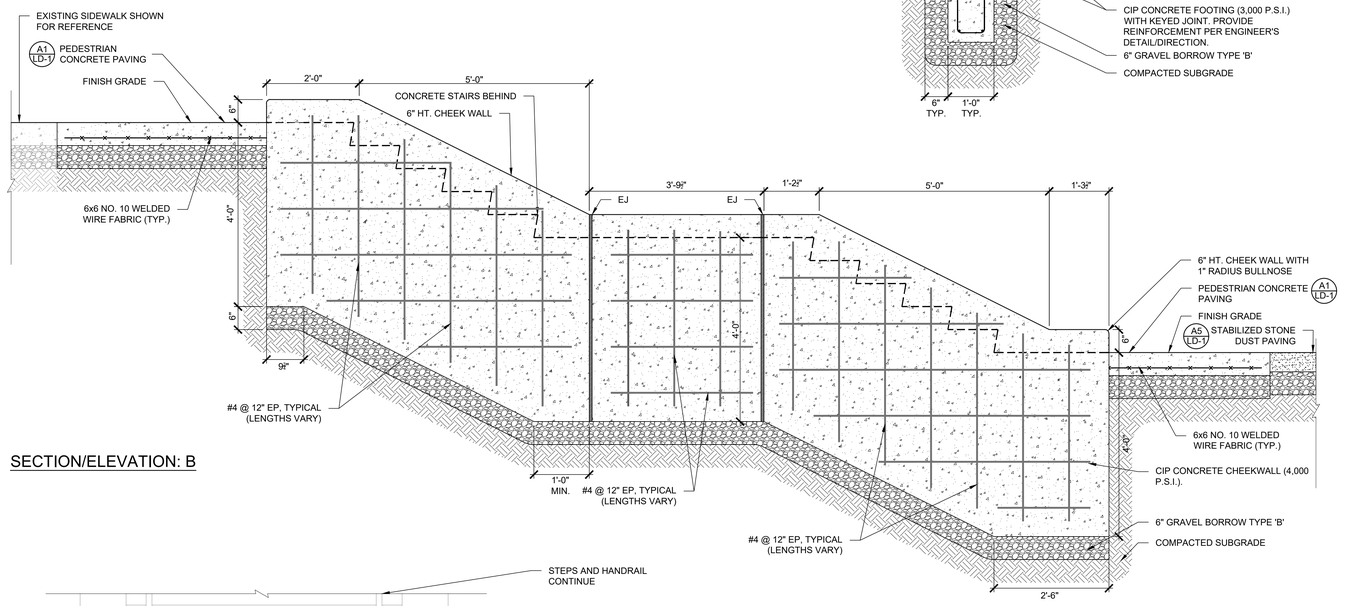
SUBMISSION: BID SET

DRAWING NO.

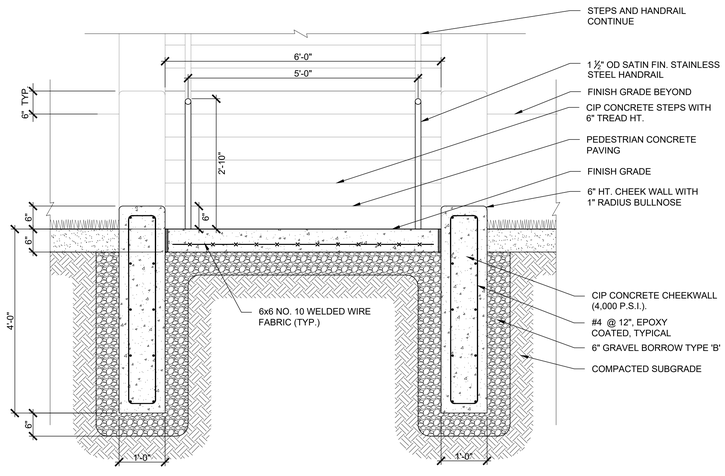
LD-1



SECTION/ELEVATION: A



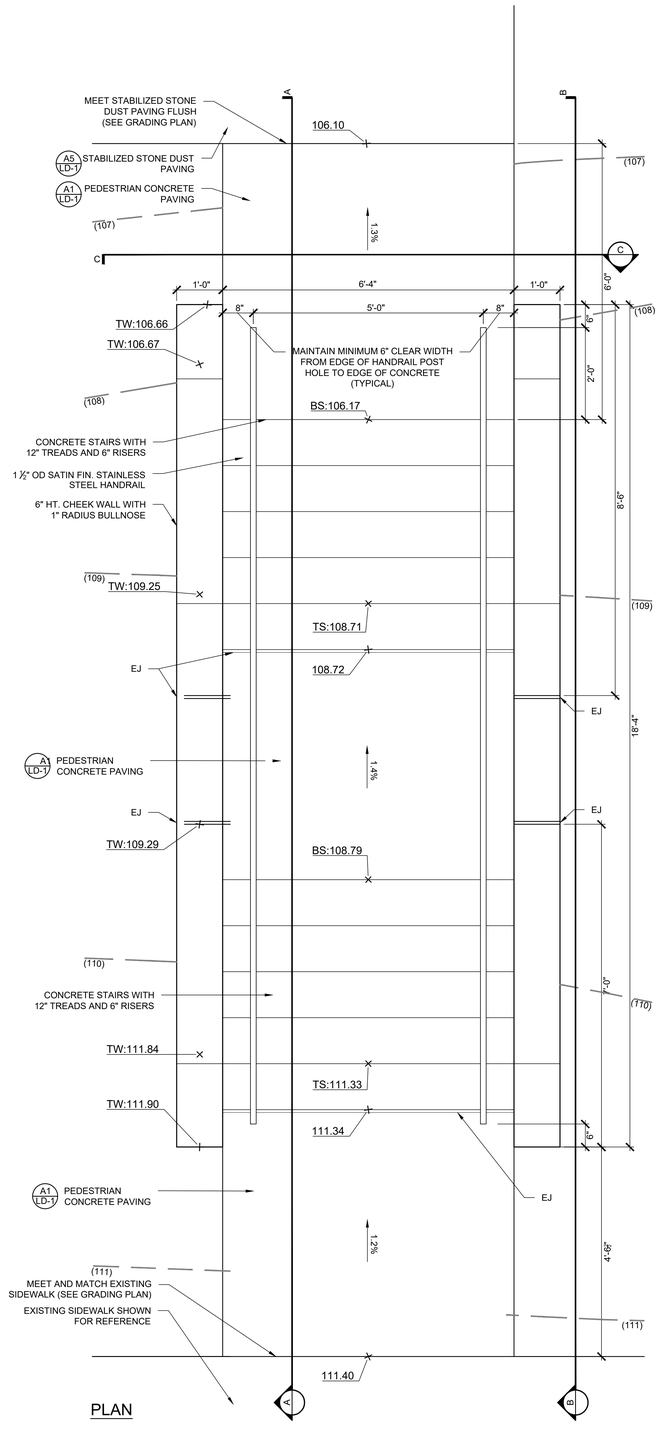
SECTION/ELEVATION: B



SECTION/ELEVATION: C

NOTES:

1. PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR STEPS, NOSINGS, CHEEKWALLS, AND RAILINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
3. SUBMIT FULLY REALIZED SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
4. SHOP DRAWINGS SHALL SHOW FOOTINGS AND REINFORCEMENT AND SHALL BE REVIEWED BY ENGINEER AND IN SHOP DRAWINGS PRIOR TO CONSTRUCTION.
5. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60
6. THE MINIMUM CLEAR COVER FOR REINFORCING SHALL BE 2".
7. THE MINIMUM LAP FOR #4 BARS SHALL BE 28 INCHES.
8. ALL WALLS ARE REINFORCED C.I.P. CONCRETE WALLS W/ ARCHITECTURAL AND BRUSH SANDBLAST FINISH.
9. CHEEK WALLS FOLLOW SLOPE OF PATHS AND LANDINGS AND ARE 6" ABOVE PAVING, TYP.
10. REFER TO MATERIALS PLANS FOR ADJACENT MATERIAL TYPES AND GRADING PLAN FOR ELEVATIONS OF ADJACENT CONDITIONS.



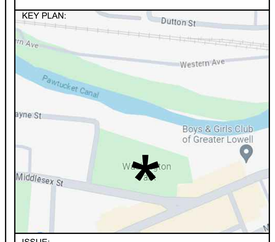
D1 CAST IN PLACE CONCRETE STEPS AND CHEEK WALLS WITH STAINLESS STEEL HANDRAILS (ADD ALTERNATE 11)
SCALE: 3/4"=1'-0"

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ISSUE:

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STAMPED AND SIGNED:

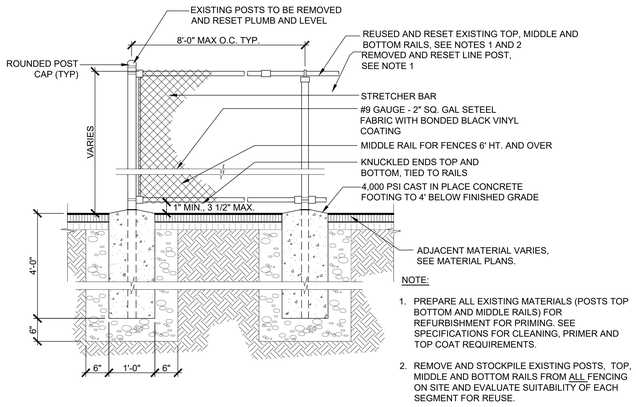


DRAWING TITLE:
LANDSCAPE DETAILS

DESIGNED: MH/SM
DRAWN: CS CHECKED: MH/SM
DATE: 09/09/2024
SCALE: AS NOTED
SUBMISSION: BID SET
DRAWING NO.

LD-2

J:\Clemente Park - Lowell\DWGS\CAD\SHEET\LD-2 - LD-4 Furnishing Details, LD-2, 9/9/2024

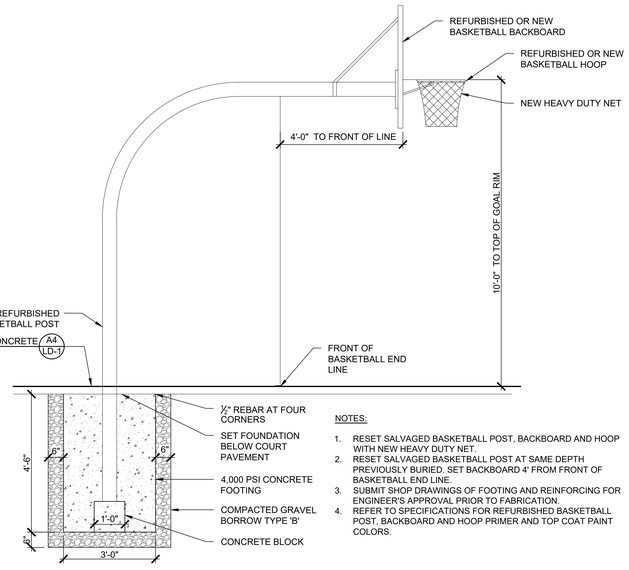


NOTE:

1. PREPARE ALL EXISTING MATERIALS (POSTS TOP BOTTOM AND MIDDLE RAILS) FOR REFURBISHMENT FOR PRIMING. SEE SPECIFICATIONS FOR CLEANING, PRIMER AND TOP COAT REQUIREMENTS.
2. REMOVE AND STOCKPILE EXISTING POSTS, TOP, MIDDLE AND BOTTOM RAILS FROM ALL FENCING ON SITE AND EVALUATE SUITABILITY OF EACH SEGMENT FOR REUSE.

C1 C2 REFURBISHED BLACK VINYL CLAD CHAIN LINK FENCE - 4' HT AND 10' HT

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

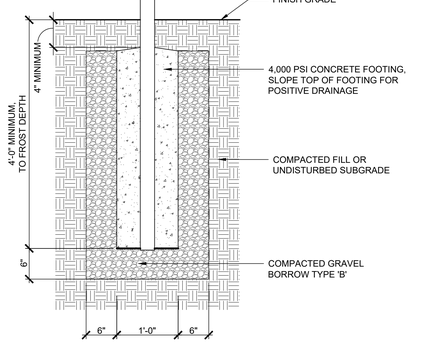


NOTES:

1. RESET SALVAGED BASKETBALL POST, BACKBOARD AND HOOP WITH NEW HEAVY DUTY NET.
2. RESET SALVAGED BASKETBALL POST AT SAME DEPTH PREVIOUSLY BURIED. SET BACKBOARD 4' FROM FRONT OF BASKETBALL END LINE.
3. SUBMIT SHOP DRAWINGS OF FOOTING AND REINFORCING FOR ENGINEER'S APPROVAL PRIOR TO FABRICATION.
4. REFER TO SPECIFICATIONS FOR REFURBISHED BASKETBALL POST, BACKBOARD AND HOOP PRIMER AND TOP COAT PAINT COLORS.

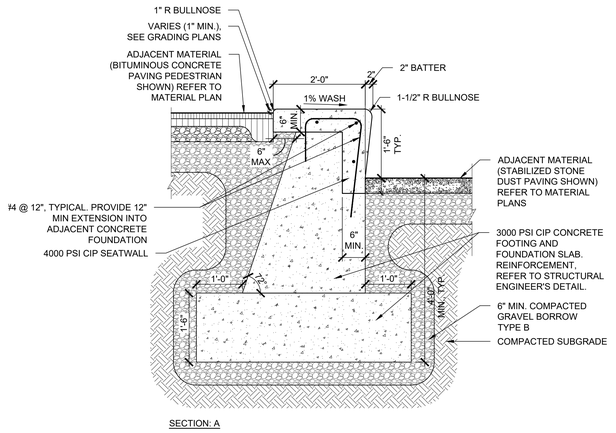
E1 E2 E3 REFURBISHED BASKETBALL POST, BACKBOARD, HOOP AND NEW NET

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

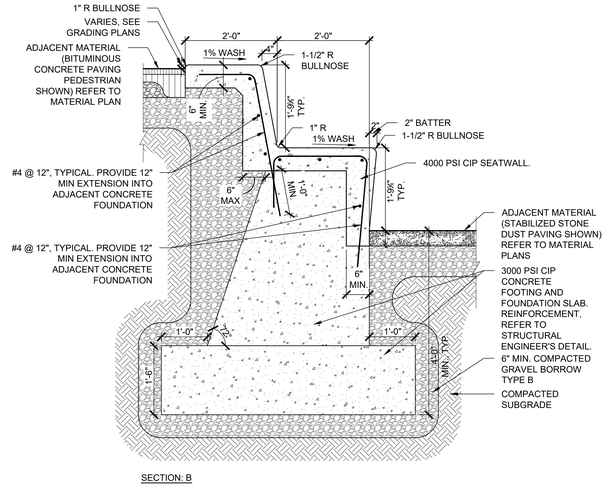


E4 E6 VOLLEYBALL POST (REFURBISHED AND NEW)

SCALE: 1"=1'-0"



SECTION: A



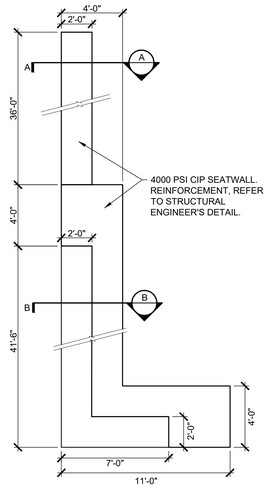
SECTION: B

NOTES:

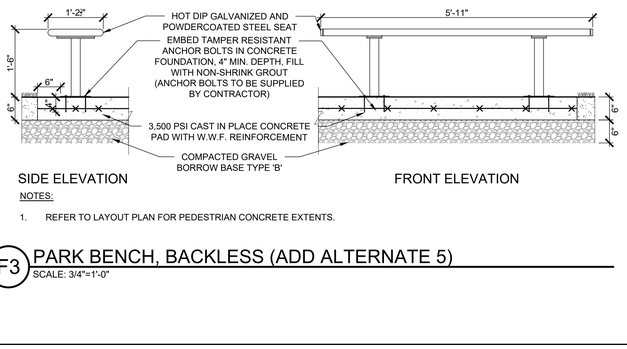
1. PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR SEAT WALLS BEFORE CONSTRUCTION.
2. REFER TO ENGINEER'S DRAWINGS FOR STRUCTURAL DESIGN AND REINFORCEMENT. SUBMIT FULLY REALIZED SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
3. ALL WALLS ARE REINFORCED C.I.P. CONCRETE WALLS W/ ARCHITECTURAL AND BRUSH SANDBLAST FINISH.

D2 CAST IN PLACE CONCRETE SEATWALL (ADD ALTERNATE 12)

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



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

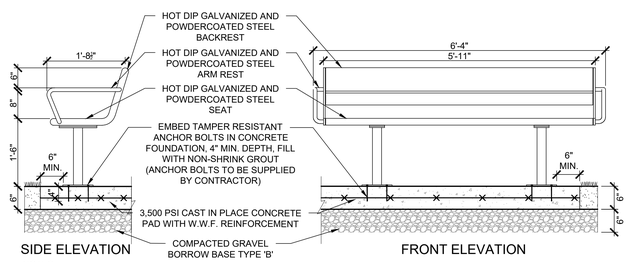


NOTES:

1. REFER TO LAYOUT PLAN FOR PEDESTRIAN CONCRETE EXTENTS.

F3 PARK BENCH, BACKLESS (ADD ALTERNATE 5)

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



NOTES:

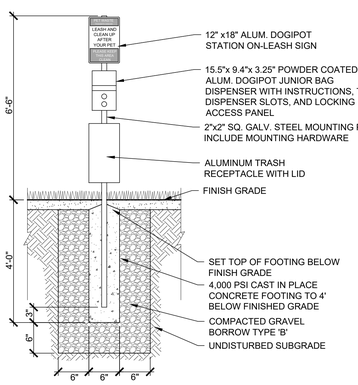
1. REFER TO LAYOUT PLAN FOR PEDESTRIAN CONCRETE EXTENTS.

F4 PARK BENCH, BACKED (ADD ALTERNATE 4)

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

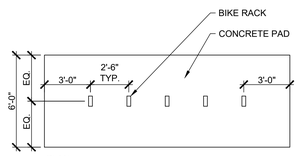
NOTES:

1. INSTALL PER MANUFACTURER'S INSTRUCTIONS. DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

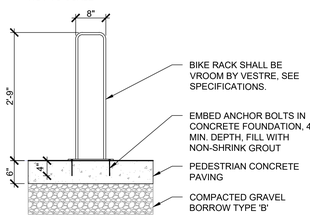


F6 DOG WASTE RECEPTACLE (ADD ALTERNATE 9)

SCALE: 1"=1'-0"



PLAN
NOT TO SCALE



SECTION

NOTES:

1. REFER TO LAYOUT PLAN FOR PEDESTRIAN CONCRETE EXTENTS.

F8 BIKE RACK (ADD ALTERNATE 2)

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

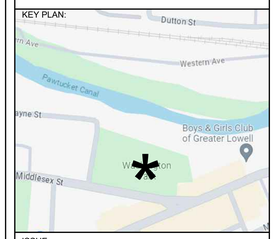
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44 Stiles Road, Suite One
Salem, NH 03079

CLEMENTE PARK

803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:



DRAWING TITLE:

LANDSCAPE DETAILS

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

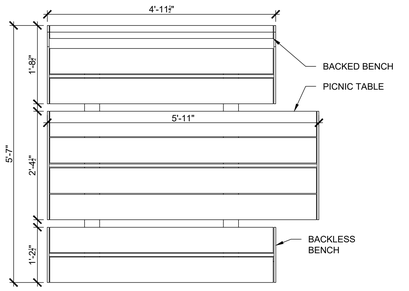
SCALE: AS NOTED

SUBMISSION: BID SET

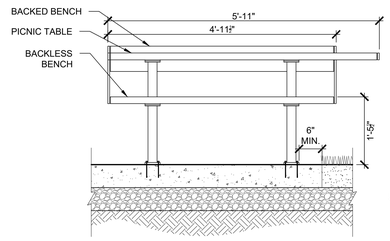
DRAWING NO.

LD-3

J:\Clemente Park - Lowell\DWGS\CAD\SHEET\LD-2 - LD-4 Furnishing Details, LD-3, 9/9/2024

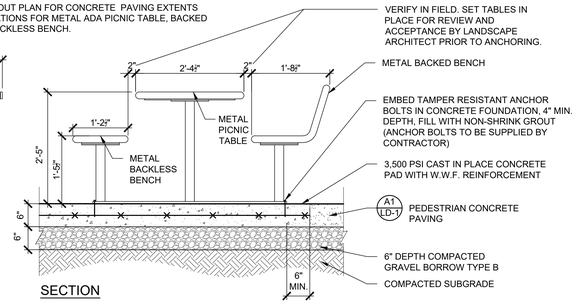


PLAN VIEW



ELEVATION

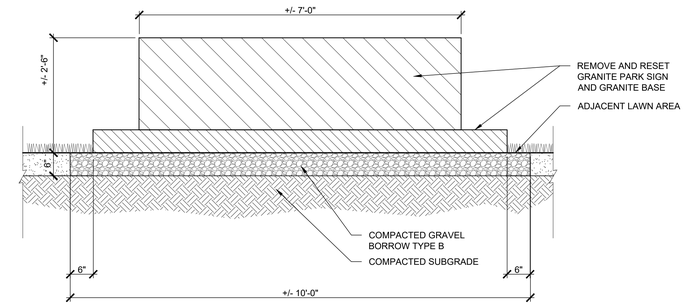
NOTES:
1. REFER TO LAYOUT PLAN FOR CONCRETE PAVING EXTENTS
2. SEE SPECIFICATIONS FOR METAL ADA PICNIC TABLE, BACKED BENCH AND BACKLESS BENCH.



SECTION

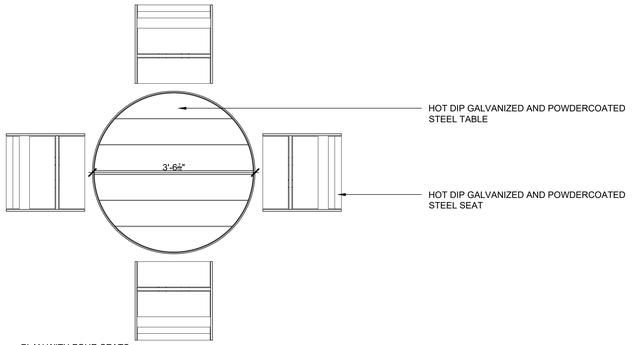
F1 ADA PICNIC TABLE (ADD ALTERNATE 10)

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

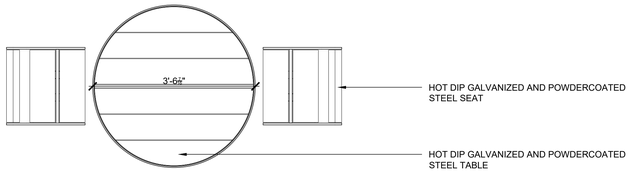


H1 REMOVE AND RESET GRANITE PARK SIGN

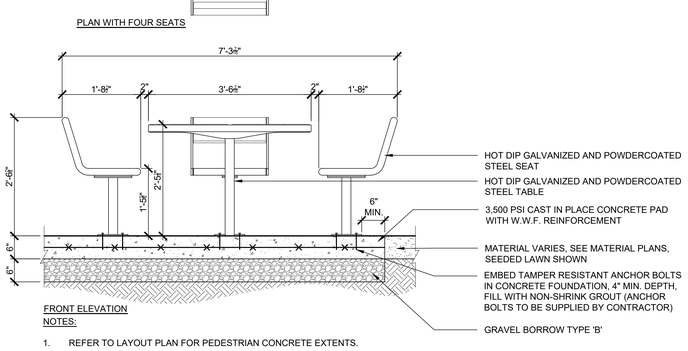
SCALE: 3/4"=1'-0"



PLAN WITH FOUR SEATS



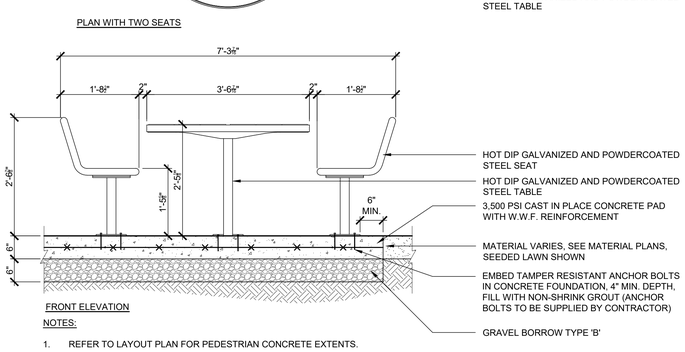
PLAN WITH TWO SEATS



FRONT ELEVATION

NOTES:

1. REFER TO LAYOUT PLAN FOR PEDESTRIAN CONCRETE EXTENTS.



FRONT ELEVATION

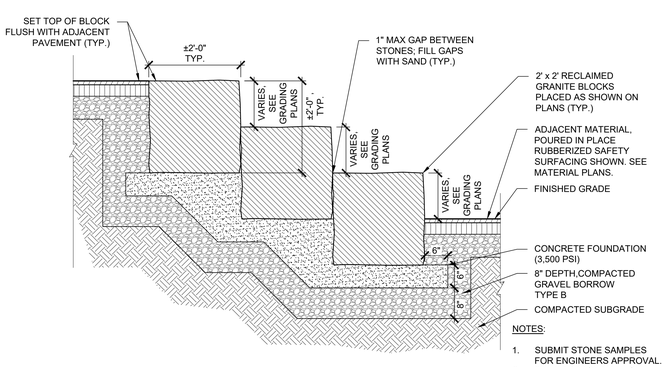
NOTES:

1. REFER TO LAYOUT PLAN FOR PEDESTRIAN CONCRETE EXTENTS.

F2 CAFE TABLE (ADD ALTERNATE 7)

SCALE: 1"=1'-0"

CAFE TABLE WITH TWO SEATS (ADD ALTERNATE 7)



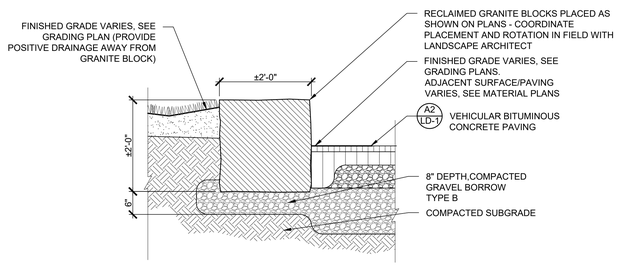
SECTION AT PLAYGROUND AREA

NOTES:

1. SUBMIT STONE SAMPLES FOR ENGINEERS APPROVAL.
2. 2' X 4' APPROXIMATE SIZE. 18" X 3' MINIMUM SIZE.

NOTES:

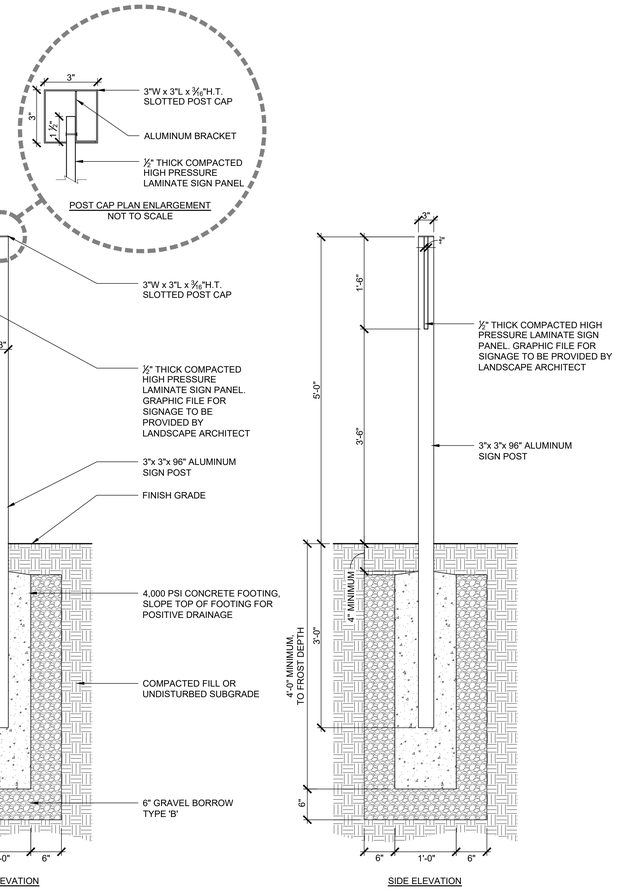
1. INSTALL BLOCKS WITH WEATHERED FACE EXPOSED AND A MINIMUM OF 1/3 OF THE STONE BELOW FINISHED GRADE.
2. SIZE RANGE: APPROXIMATE SIZE, 4' x 2' x 2' (MINIMUM SIZE: 42" x 20" x 20").
3. COORDINATE RECLAIMED GRANITE BLOCK SELECTION (FROM CITY SALVAGE YARD) AND PLACEMENT WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION



SECTION AT LAWN AREAS (ADJACENT BITUMINOUS CONCRETE PAVING)

F10 INSTALLATION OF RECLAIMED GRANITE BLOCK

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



F12 LAP MARKER (ADD ALTERNATE 3)

SCALE: 1"=1'-0"

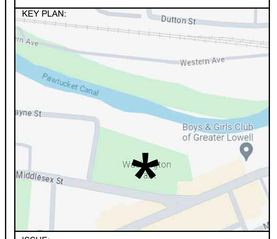
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Salem, NH 03079

CLEMENTE PARK

803 Middlesex St
Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:

COMMONWEALTH OF MASSACHUSETTS
MONIQUE V. HALL
No. 4211
REGISTERED LANDSCAPE ARCHITECT
09/09/24

DRAWING TITLE:

LANDSCAPE DETAILS

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

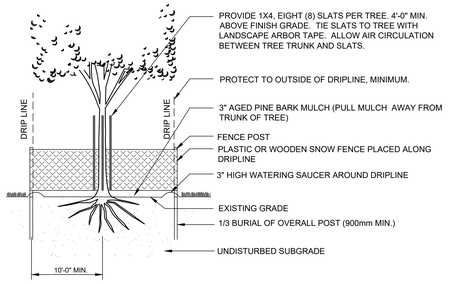
SCALE: AS NOTED

SUBMISSION: BID SET

DRAWING NO.

LD-4

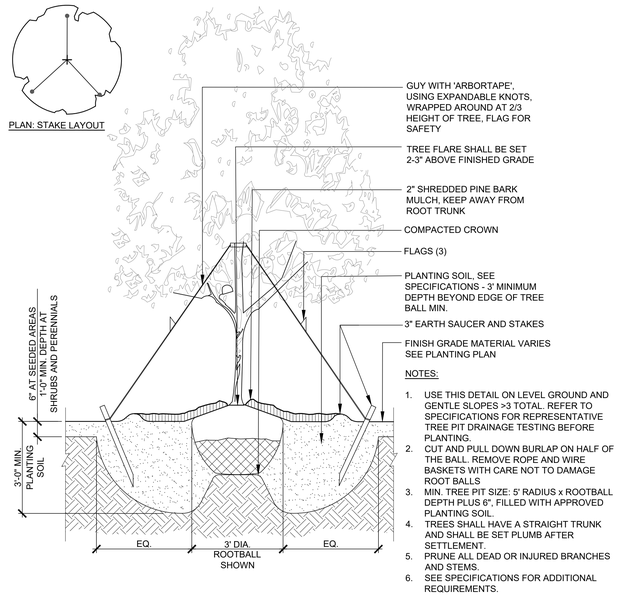
J:\Clemente Park - Lowell\DWGS\CAD\SHEET\LD-2 - LD-4 Furnishing Details, LD-4, 9/9/2024



TREE PROTECTION NOTES:

1. FENCE SHALL BE LOCATED IN FIELD AS NEEDED TO PROTECT SIGNIFICANT VEGETATION, COORDINATE WITH OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT.
2. IF EXCAVATION MUST OCCUR WITHIN A TREE DRIPLINE, THEN EXISTING ROOTS SHALL BE CLEANLY CUT PRIOR TO EXCAVATION BY A CERTIFIED ARBORIST AND TREES SHALL BE WATERED.
3. ALL ROOTS TWO INCHES OR LARGER IN DIAMETER WHICH ARE EXPOSED AS A RESULT OF TRENCHING OR OTHER EXCAVATION SHALL BE CUT OFF SQUARE WITH A SHARP MEDIUM TOOTHED SAW, AND COVERED WITH PRUNING COMPOUND WITHIN TWO HOURS OF INITIAL EXPOSURE.
4. WHERE CONSTRUCTION OPERATIONS MUST OCCUR WITHIN THE VICINITY OF TREE ROOTS ONE OR MORE OF THE FOLLOWING SHALL BE ADDED AS DETERMINED BY THE OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT.
   - 4.1. EXPOSED TRUNKS SHALL BE ARMORED WITH 2"X3" WOOD BOARDS SECURELY STRAPPED TOGETHER.
   - 4.2. TRUNK FLARE SHALL BE CIRCLED WITH HAY BALES.
   - 4.3. ROOT ZONES SHALL RECEIVE A 4" LAYER OF WOOD CHIPS TO PREVENT COMPACTION.
5. THE FOLLOWING ACTIVITIES ARE PROHIBITED WITHIN THE LIMITS OF THE ROOT ZONE (DRIP LINE) OF PROTECTED TREES:
   - 5.1. MATERIALS INTENDED FOR USE IN CONSTRUCTION OR WASTE MATERIALS ACCUMULATED DUE TO EXCAVATION OR DEMOLITION SHALL NOT BE PLACED WITHIN THE LIMITS OF THE ROOT ZONE.
   - 5.2. EQUIPMENT SHALL NOT BE CLEANED OR OTHER LIQUIDS SHALL NOT BE DEPOSITED OR OTHERWISE ALLOWED TO FLOW OVER THE LIMITS OF THE ROOT ZONE.
   - 5.3. SIGNS, WIRES, OR OTHER ATTACHMENTS. OTHER THAN THOSE OF A PROTECTIVE NATURE, SHALL NOT BE ATTACHED TO ANY PROTECTED TREE. FENCING ATTACHED TO A TREE VIA "U" NAILS OR BENT NAILS IS ALLOWED ONLY IF THE FENCING IS PARALLEL TO AND CONTIGUOUS WITH THE TREE.
   - 5.4. VEHICULAR / CONSTRUCTION EQUIPMENT TRAFFIC (TRUCKS, TRAILERS, BOBCATS, COMPRESSORS, ETC.) OR PARKING SHALL NOT BE ALLOWED WITHIN THE LIMITS OF THE ROOT ZONE OF ANY PROTECTED TREE, OTHER THAN ON EXISTING STREET PAVEMENT. THIS RESTRICTION DOES NOT APPLY TO SINGLE INCIDENT ACCESS WITHIN THE ROOT ZONE FOR PURPOSES OF CLEARING UNDERBRUSH, ESTABLISHING THE BUILDING PAD AND ASSOCIATED LOT GRADING.
6. ALL TREE PROTECTIONS SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION OPERATIONS.

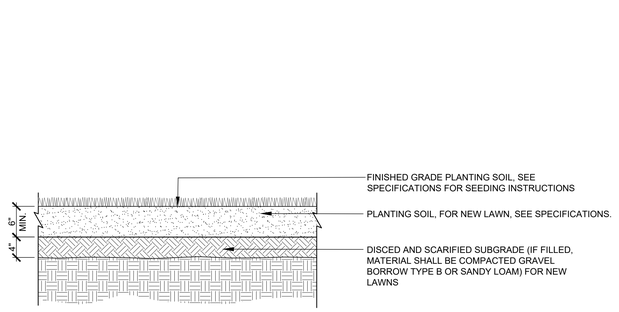
1 TREE PROTECTION FENCING
NTS



NOTES:

1. USE THIS DETAIL ON LEVEL GROUND AND GENTLE SLOPES >3 TOTAL. REFER TO SPECIFICATIONS FOR REPRESENTATIVE TREE PIT DRAINAGE TESTING BEFORE PLANTING.
2. CUT AND PULL DOWN BURLAP ON HALF OF THE BALL. REMOVE ROPE AND WIRE BASKETS WITH CARE NOT TO DAMAGE ROOT BALLS
3. MIN. TREE PIT SIZE: 5' RADIUS x ROOTBALL DEPTH PLUS 6", FILLED WITH APPROVED PLANTING SOIL.
4. TREES SHALL HAVE A STRAIGHT TRUNK AND SHALL BE SET PLUMB AFTER SETTLEMENT.
5. PRUNE ALL DEAD OR INJURED BRANCHES AND STEMS.
6. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

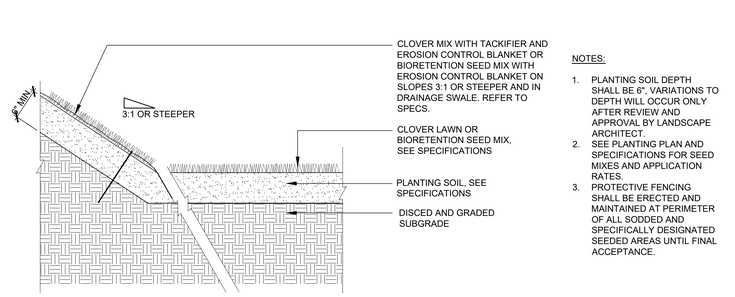
2 DECIDUOUS TREE PLANTING
SCALE: 1/2"=1'-0"



NOTES:

1. PLANTING SOIL DEPTH, NEW LAWN, SHALL BE 6" MINIMUM, VARIATIONS TO DEPTH MAY OCCUR ONLY AFTER REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
2. SEE PLANTING PLAN AND SPECIFICATIONS FOR SEED MIXES AND APPLICATION RATES.
3. PROTECTIVE FENCING SHALL BE ERECTED AND MAINTAINED AT PERIMETER OF ALL SODDED AND SEEDED AREAS UNTIL FINAL ACCEPTANCE.
4. FOR REFURBISHED LAWN AREAS, WEED EXISTING LAWN, RAKE EXISTING TOPSOIL, TOP DRESS WITH 1" NEW PLANTING SOIL AND SEED BARE SPOTS WITH APPROVED SEED MIXES. PROTECT UNTIL ACCEPTANCE.
5. SEE SPECIFICATIONS FOR APPROPRIATE SEED MIX SPECIES AT LAWN AREAS AND AT CLOVER LAWN AREAS.

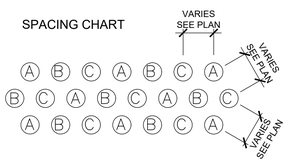
3 SEEDED OR SODDED LAWN
SCALE: 1"=1'-0"



NOTES:

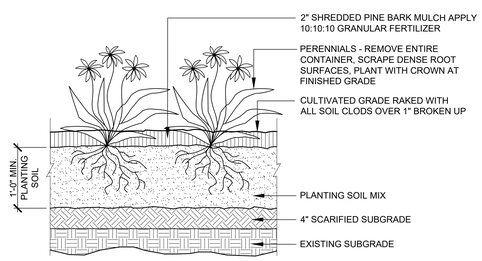
1. PLANTING SOIL DEPTH SHALL BE 6", VARIATIONS TO DEPTH WILL OCCUR ONLY AFTER REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
2. SEE PLANTING PLAN AND SPECIFICATIONS FOR SEED MIXES AND APPLICATION RATES.
3. PROTECTIVE FENCING SHALL BE ERECTED AND MAINTAINED AT PERIMETER OF ALL SODDED AND SPECIFICALLY DESIGNATED SEEDED AREAS UNTIL FINAL ACCEPTANCE.

4 CLOVER LAWN MIX AND SLOPED AND SEEDED AREAS
SCALE: 1"=1'-0"

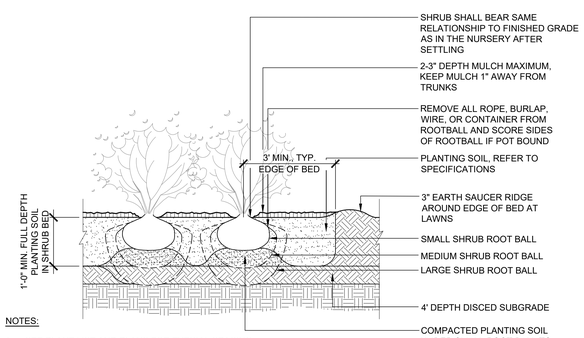


NOTES:

1. SYMBOLS REFER TO VARIOUS PLANT TYPES, REFER TO PLANT LIST.
2. PLANT PERENNIALS AT SPACING INDICATED ON THE PLANT LIST, USING THE LAYOUT, AS REVIEWED IN FIELD BY LANDSCAPE ARCHITECT.
3. REVIEW LAYOUT IN FIELD WITH LANDSCAPE ARCHITECT BEFORE PLANTING. REFER TO SPECIFICATIONS.



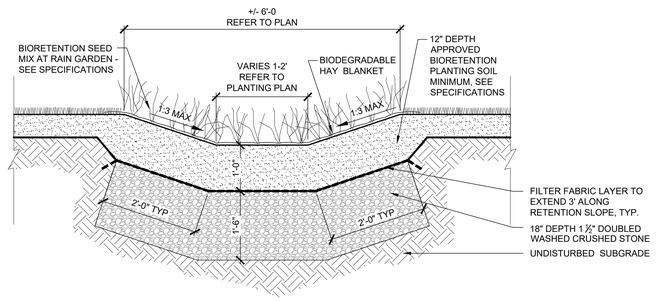
5 PERENNIAL AND GROUNDCOVER PLANTING
SCALE: 1"=1'-0"



NOTES:

1. SEE PLANT LIST AND PLANS FOR TYPICAL SPACING.
2. REMOVE ALL TAGS AFTER REVIEW AND APPROVAL IN THE FIELD BY THE LANDSCAPE ARCHITECT
3. KEEP MULCH BEDS WEEDED AND GRASS-FREE.
4. REVIEW SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

6 SHRUB PLANTING
SCALE: 1/2"=1'-0"



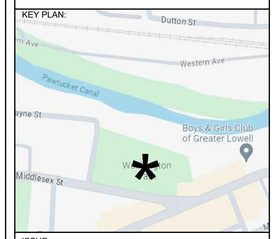
7 RAIN GARDEN
SCALE: 3/4"=1'-0"

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Lowell, MA 01851

KEY PLAN:



ISSUE:

NO.	REVISION	DATE

STAMPED AND SIGNED:



DRAWING TITLE:

LANDSCAPE DETAILS

DESIGNED: MH/SM

DRAWN: CS CHECKED: MH/SM

DATE: 09/09/2024

SCALE: AS NOTED

SUBMISSION: BID SET

DRAWING NO.

LD-5

J:\Clemente Park - Lowell\DWGS\CAD\SHEETS\LD-5 Planting Details, LD-5, 9/8/2024