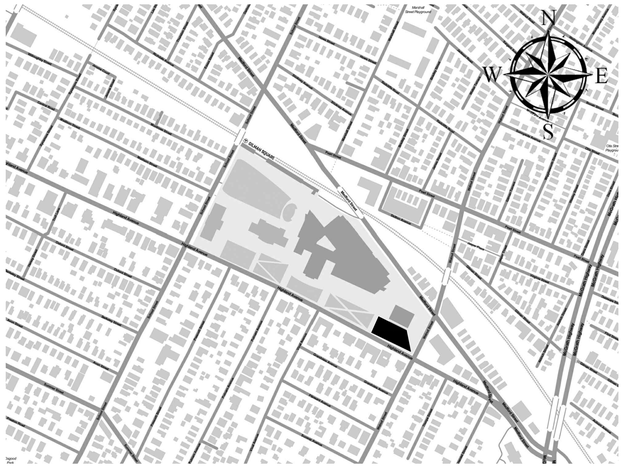
CHCP PLAYGROUND

79 HIGHLAND AVENUE
SOMERVILLE, MA 02143

100% CONSTRUCTION DOCUMENTS **02/20/2020** **PROJECT # 18022.00**

SMMA
1000 Massachusetts Avenue
Cambridge, MA 02138



SMMA

ARCHITECTURE
ENGINEERING
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INTERIORS

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INDEX OF DRAWINGS

SYMBOL LEGEND: • CURRENT ISSUE

SHEET NUMBER	SHEET NAME	100% CONSTRUCTION DOCUMENTS 02/20/2020
GENERAL		
G-001	DRAWING INDEX	•
SITE		
C-103	EXISTING CONDITIONS PLAN	•
C-113	SITE PREPARATION PLAN	•
C-123	MATERIALS PLAN	•
C-124	LAYOUT PLAN	•
C-143	GRADING & UTILITIES PLAN	•
C-501	DETAILS I	•
C-502	DETAILS II	•
C-503	DETAILS III	•

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SOMERVILLE, MA 02143

MARK:	DATE:	DESCRIPTION:
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ISSUE LOG

△ = CLOUDED CHANGE

SCALE	NTS'
DRAWN BY	LMM
CHECK BY	
PROJ.ARCH./ENGR.	LMM
PROJ. MRG.	LBF
JOB NO.	18022.00

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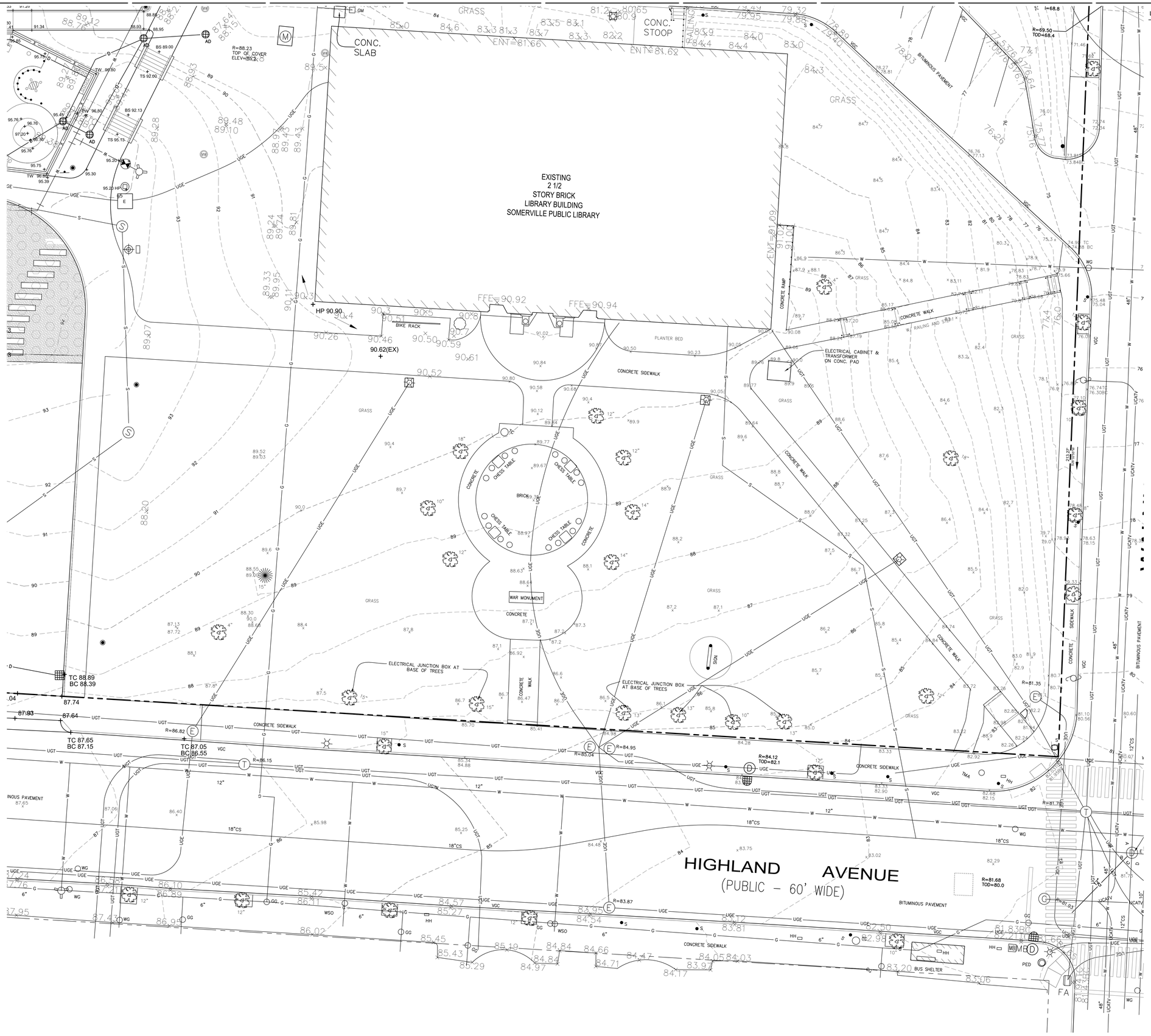
DRAWING INDEX

G-001



LEGEND

TBM	BENCHMARK
	CATCH BASIN
	CABLE TELEVISION MANHOLE
	DRAIN MANHOLE
	ELECTRIC MANHOLE
	MISCELLANEOUS MANHOLE
	SEWER MANHOLE
	TELEPHONE MANHOLE
	WATER MANHOLE
GSO	GAS SHUT-OFF
WSO	WATER SHUT-OFF
GG	GAS GATE
WG	WATER GATE
BWW	BOSTON WATER WORKS
	FIRE HYDRANT
DS	DOWN SPOUT
UP	UTILITY POLE
UP W/ UE	UTILITY POLE WITH CONDUIT LINE TO GROUND
	LIGHT POLE
LB	LIGHT BOLLARD
LL	LANDSCAPE LIGHT
HH	HAND HOLE
TC	TRASH CAN
FACS	FIRE ALARM CALL BOX
MP	METAL POST
CP	CONCRETE POST
PM	PARKING METER
S	SIGN POST
12"	DECIDUOUS TREE WITH TRUNK DIAMETER
12"	CONIFEROUS TREE WITH TRUNK DIAMETER
	HANDICAP PARKING
CLF	CHAIN LINK FENCE
BB	BITUMINOUS CONCRETE BERM
SGC	SLOPED GRANITE CURB
VGC	VERTICAL GRANITE CURB
VCC	VERTICAL CONCRETE CURB
WCR	WHEELCHAIR RAMP
LST	LANDSCAPE TIMBER
R=	RIM ELEVATION EQUALS
I=	INVERT ELEVATION EQUALS
TOH=	TOP OF HOOD ELEVATION EQUALS
NPV	NO PIPES VISIBLE
TOW=	TOP OF WATER
BOT=	BOTTOM ELEVATION
TOS=	TOP OF SLUDGE ELEVATION
TOD=	TOP OF DIRT ELEVATION
FOD	FULL OF DIRT
TW	TOP OF WALL ELEVATION
MW	MONITORING WELL
CATV	UNDERGROUND CABLE TELEVISION LINE
D	UNDERGROUND DRAIN LINE
UGE	UNDERGROUND ELECTRIC LINE
G	UNDERGROUND GAS LINE
S	UNDERGROUND SEWER LINE
CS	UNDERGROUND COMBINE SEWER LINE
UGT	UNDERGROUND TELEPHONE LINE
W	UNDERGROUND WATER LINE
OHW	OVERHEAD WIRES
F	FIBER OPTIC CABLE LINE
ST	UNDERGROUND STEAM LINE
	CHAN LINK FENCE
	WROUGHT IRON FENCE
	METAL HAND RAIL
	MONITORING WELL
91x00	SPOT GRADE
98	CONTOUR

NOTES

1. THE EXISTING CONDITIONS SHOWN WAS COMPILED FROM AN ON THE GROUND FIELD SURVEY AND DESIGN PLANS FOR ADJACENT PROJECTS OUTSIDE OF THE PLAYGROUND SCOPE. THE ON THE GROUND SURVEY WAS CONDUCTED BY NITSCH ENGINEERING FROM OCTOBER 7, 2015 THROUGH NOVEMBER 2, 2015.

2. HORIZONTAL COORDINATES REFER TO MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (MAINLAND) NAD83.

3. ELEVATION REFERS TO NORTH AMERICAN VERTICAL DATUM (NAVD88).

4. THE SUB-SURFACE UTILITY INFORMATION SHOWN HEREON IS COMPILED BASED ON FIELD SURVEY INFORMATION, RECORD INFORMATION AS SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES, AND PLAN INFORMATION SUPPLIED BY THE CLIENT, IF ANY. THEREFORE WE CANNOT GUARANTEE THE ACCURACY OF SAID COMPILED SUB-SURFACE INFORMATION TO ANY CERTAIN DEGREE OF STATED TOLERANCE. ONLY PHYSICALLY LOCATED SUB-SURFACE UTILITY FEATURES FALL WITHIN NORMAL STANDARD OF CARE ACCURACIES.

5. THE LOCATIONS OF UNDERGROUND PIPES, CONDUITS, AND STRUCTURES HAVE BEEN DETERMINED FROM SAID INFORMATION, AND ARE APPROXIMATE ONLY. COMPILED LOCATIONS OF ANY UNDERGROUND STRUCTURES, NOT VISIBLY OBSERVED AND LOCATED, CAN VARY FROM THEIR ACTUAL LOCATIONS.

6. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.

7. THE STATUS OF UTILITIES, WHETHER ACTIVE, ABANDONED, OR REMOVED, IS AN UNKNOWN CONDITION AS FAR AS OUR COMPILATION OF THIS INFORMATION.

8. EXISTING CONTOURS SHOWN HEREON ARE COMPILED BASED ON FILED SURVEY INFORMATION AND DESIGN PLANS FOR THE CENTRAL HILL PROJECT. CONTOURS MAY NOT REFLECT ACTUAL EXISTING CONDITIONS. SOME PORTIONS OF THE SITE ARE CURRENTLY UNDER CONSTRUCTION AND EXISTING ELEVATIONS MAY BE IMPACTED BY CONSTRUCTION ACTIVITY.

GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.

P:\2018\18022\BIM\c\playground\cs\C-103 EXISTING CONDITIONS PLAN.dwg

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PROJ.ARCH./ENGR.	LMM
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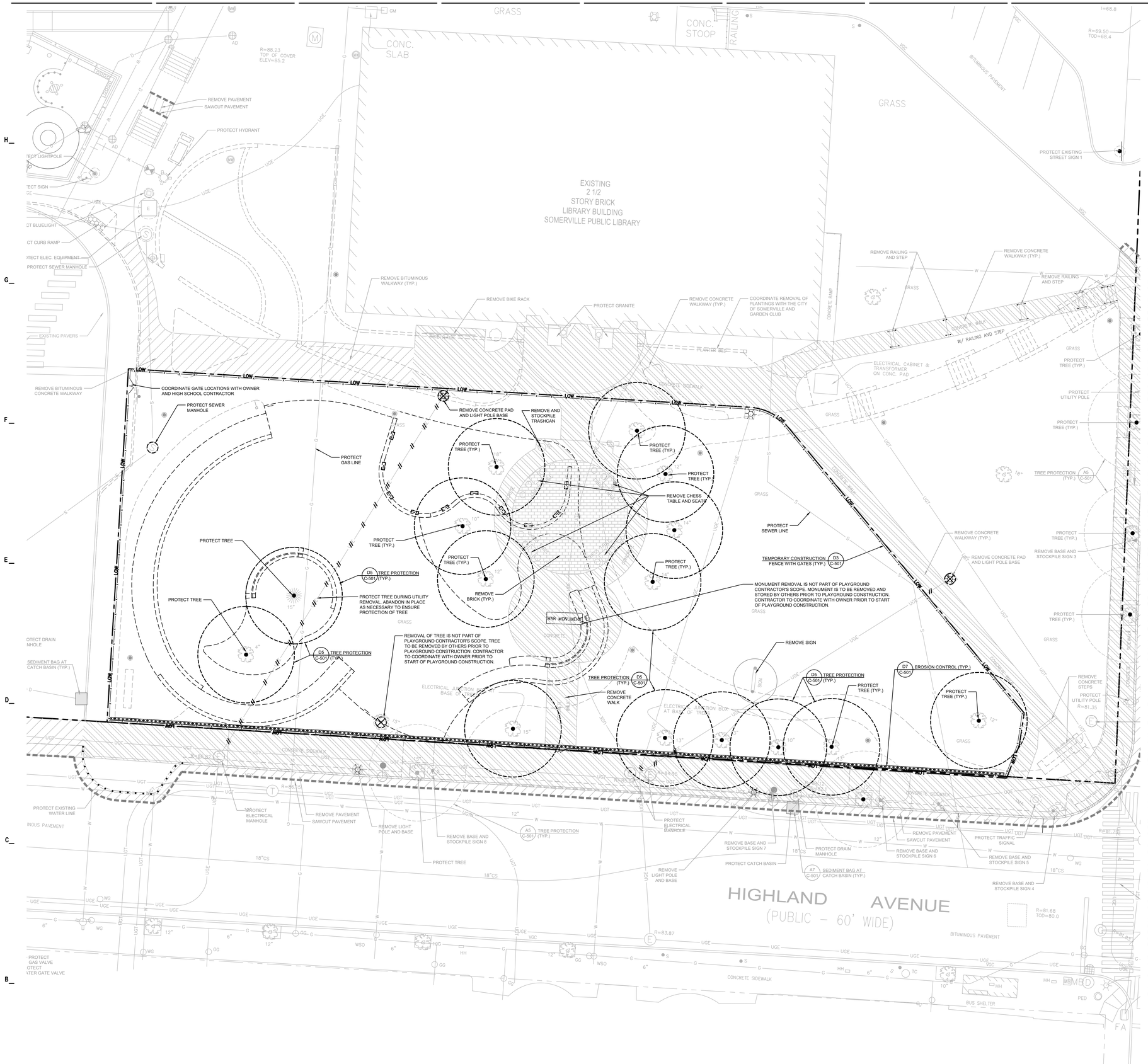
EXISTING CONDITIONS PLAN

C-103



LEGEND

- EROSION PROTECTION
- SEDIMENT BAG AT CATCH BASIN
- SAWCUT LINE
- REMOVE BITUMINOUS CONCRETE PAVEMENT, WALKWAY, AND ADJACENT CURB
- REMOVE CONCRETE PAVEMENT, PADS AND WALKWAY
- REMOVE BRICK
- REMOVE ITEM
- PROTECT ITEM
- TEMPORARY FENCE W/ GATE
- PROPOSED CURB/EOP LINE
- LIMIT OF WORK
- REMOVE UNDERGROUND UTILITY

GENERAL EROSION CONTROL NOTES

1. INSTALL EROSION PROTECTION AND FILTER BAGS PRIOR TO START OF CONSTRUCTION, AS SHOWN ON DRAWING.

2. INSTALL TEMPORARY CONSTRUCTION ENTRANCES CONSISTING OF A STONE PAD AND WASH RACK, TO MINIMIZE TRACKING DIRT ONTO ROADS. COORDINATE CONSTRUCTION ENTRANCE AND GATE LOCATIONS WITH OWNER AND HIGH SCHOOL CONTRACTORS.

3. WHERE CONSTRUCTION DRIVES WILL BECOME PERMANENT DRIVES, STRIP VEGETATION AND ORGANIC SOILS AS NECESSARY. STOCKPILE MATERIALS THAT ARE TO BE RE-USED IF AREA ON SITE IS AVAILABLE SURROUND SOIL STOCKPILES ON THEIR PERIMETERS WITH STAKED EROSION PROTECTION. PLACE WELL-DRAINED GRAVEL MATERIAL AT REQUIRED DEPTHS ALONG THE DRIVE LENGTH. SUPPLEMENT GRAVEL OR STONE MATERIAL ON AN AS-NEEDED BASIS IN ORDER TO MAINTAIN A STRUCTURALLY SOUND, WELL-DRAINED SURFACE ON WHICH CONSTRUCTION EQUIPMENT WILL TRAVEL. DIRT TRACKED ONTO ROADWAYS IS TO BE CLEANED IMMEDIATELY. DIRECT WASH WATER TO A SEDIMENTATION BASIN.

4. DO NOT REMOVE EXISTING VEGETATION FROM AREAS UNTIL SUCH TIME THAT THE SPECIFIC AREA IS TO BE CONSTRUCTED. STRIP AND STOCKPILE TOPSOIL. SURROUND STOCKPILES ON THEIR PERIMETERS WITH EROSION PROTECTION.

5. COMMENCE MAJOR EARTHWORK ACTIVITIES. UTILITIES AND INSTALLATION OF SITE STRUCTURES ARE TO FOLLOW. AREAS SUSCEPTIBLE TO EROSION ARE TO BE COVERED WITH A TEMPORARY GRASS SEED MIXTURE UNTIL SUCH TIME AS FINAL VEGETATIVE COVER CAN BE IMPLEMENTED.

6. AT THE COMPLETION OF CONSTRUCTION, AND ONCE VEGETATIVE COVER IS ESTABLISHED. CLEAN SILT AND SEDIMENT OUT FROM THE SUMPS IN THE CATCH BASINS. THE SITE IS TO RECEIVE FINAL INSPECTION, AND EROSION CONTROL MEASURES ARE TO BE REMOVED. THE DRIVES AND PARKING AREAS ARE TO BE SWEPT AND CLEANED.

CONSTRUCTION SEQUENCING NOTES

1. CONFORM TO CONDITIONS LISTED IN THE ZBA DECISION ISSUED FOR THIS PROJECT. A COPY OF THE ZBA DECISION IS TO BE KEPT ON-SITE.

2. CONFORM TO CONDITIONS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND THE NPDES GENERAL PERMIT. A COPY OF THE SWPPP IS TO BE KEPT ON-SITE.

3. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY SITEWORK OR EARTHWORK OPERATIONS, OR AS REQUIRED BY THE ZBA DECISION (WHICHEVER IS GREATER) AND MAINTAIN THROUGHOUT CONSTRUCTION. MEASURES ARE TO REMAIN IN PLACE UNTIL SITEWORK IS COMPLETE AND GROUNDCOVER IS ESTABLISHED, AS DETERMINED BY THE ARCHITECT.

4. SUBMIT A NPDES APPLICATION TO THE EPA AT LEAST 14 DAYS PRIOR TO THE COMMENCEMENT OF ANY SITEWORK OR EARTHWORK OPERATIONS. SUBMIT PROOF OF APPLICATION FOR A NPDES GENERAL PERMIT TO THE ARCHITECT AND OWNER PRIOR TO THE COMMENCEMENT OF ANY SITEWORK.

5. SURROUND SOIL STOCKPILES ON THEIR PERIMETERS WITH EROSION PROTECTION TO CONTROL EROSION. MAINTAIN THROUGHOUT CONSTRUCTION.

6. STABILIZE SOIL STOCKPILES AND EXPOSED SOIL AREAS WHERE CONSTRUCTION ACTIVITIES WILL CEASE FOR 14 DAYS OR MORE, IN ACCORDANCE WITH THE NPDES GENERAL PERMIT.

10. PERFORM EARTHWORK ACTIVITY ON THE SITE IN A MANNER SUCH THAT RUNOFF IS DIRECTED TO TEMPORARY DRAINAGE SWALES AND TEMPORARY SEDIMENTATION BASINS. TEMPORARY DRAINAGE FEATURES ARE TO BE ADJUSTED AND RELOCATED AS NECESSARY THROUGHOUT CONSTRUCTION.

11. INSTALL SILT SACKS AT EXISTING AND PROPOSED CATCH BASIN GRATES AND USE SUPPLEMENTAL STAKED HAYBALES AT CATCH BASINS IN EXPOSED SOIL AREAS, AND AS INDICATED ON THE PLANS. PROTECT PIPE INLETS AND OUTFALLS WITH HAYBALE FILTERS. MAINTAIN THESE MEASURES UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

12. DEWATERING REQUIRED DURING CONSTRUCTION IS TO BE DISCHARGED INTO A TEMPORARY SEDIMENTATION BASIN OR TEMPORARY HOLDING TANKS AS REQUIRED. DO NOT DISCHARGE DIRECTLY INTO THE PIPED STORM DRAIN SYSTEM OR ABUTTING PROPERTIES OR STREETS.

13. KEEP ON SITE AT ALL TIMES: 50LF RESERVE OF HAYBALES (MINIMUM), 50 LF RESERVE OF SILT FENCE WITH STAKES (MINIMUM), ADDITIONAL EROSION CONTROL BLANKETS, STONE RIP-RAP, AND OTHER EROSION CONTROL DEVICES USED DURING CONSTRUCTION. THESE ARE TO BE INSTALLED AS NEEDED AND AT THE DIRECTION OF THE ARCHITECT TO MITIGATE AN EMERGENCY CONDITION.

EROSION CONTROL MAINTENANCE NOTES

DURING THE PERIOD OF CONSTRUCTION AND UNTIL LONG TERM VEGETATION IS ESTABLISHED:

1. INSPECT EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING SEDIMENTATION BASINS AND SWALES, AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A 0.25-INCH OR GREATER STORM EVENT.

2. REPLACE OR REPAIR EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO 1/2 THE DESIGN HEIGHT OR CAPACITY OF THE MEASURE. REFER TO THE SWPPP FOR ADDITIONAL INFORMATION.

3. MAINTAIN THE ENTRANCES AND EXITS FROM THE SITE IN A CONDITION THAT PREVENTS TRACKING OR FLOWING OF SEDIMENT INTO THE PRIVATE OR PUBLIC WAY. SEDIMENT THAT IS TRACKED, SPILLED, OR WASHED INTO THESE WAYS, IS TO BE REMOVED BY THE CONTRACTOR IMMEDIATELY.

UTILITIES AND DEMOLITION NOTES

1. PRIOR TO CONSTRUCTION, VERIFY EXISTING UTILITY LOCATIONS AS SHOWN ON THE DRAWINGS. REPORT DISCREPANCIES TO THE ARCHITECT.

2. CONTACT THE APPROPRIATE UTILITY COMPANY AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. NOTIFY THE ARCHITECT OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION.

3. PROTECT NEW AND EXISTING UTILITIES DURING CONSTRUCTION. ONLY REMOVE EXISTING UTILITIES THAT ARE SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED.

4. MAINTAIN FUNCTIONING UTILITIES AND NOTIFY THE OWNER AND ARCHITECT A MINIMUM OF 5 DAYS PRIOR TO ANY UTILITY SERVICE INTERRUPTION. OBTAIN APPROVAL TO PROCEED PRIOR TO INTERRUPTION.

5. IF UNDOCUMENTED UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, CONTACT THE ARCHITECT FOR DIRECTION, PRIOR TO ALTERING THE UTILITY IN ANY WAY.

6. PROTECT EXISTING SITE FEATURES DURING CONSTRUCTION, EXCEPT FOR THOSE ITEMS OR AREAS SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED.

7. PROTECT EXISTING TREES AND VEGETATION DURING CONSTRUCTION, EXCEPT FOR THOSE ITEMS OR AREAS SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED. INSTALL TREE PROTECTION PER DETAIL AT LOCATIONS INDICATED. REPLACE OR PROVIDE COMPENSATION FOR TREES DAMAGED OR DECEASED THAT WERE DESIGNATED TO BE PROTECTED, AS A RESULT OF CONSTRUCTION ACTIVITIES. ANY PRUNING TO EXISTING TREES NEEDS TO APPROVED BY THE CITY DEPARTMENT OF URBAN FORESTRY.

8. REMOVE DEMOLISHED MATERIALS NOT DESIGNATED FOR SALVAGE OR STOCKPILE, OFF THE SITE AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.

9. ADJUST TEMPORARY FENCING AS REQUIRED THROUGHOUT CONSTRUCTION.

10. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

P:\2018\18022\BIM\playground\cs\C-113 SITE PREPARATION PLAN.dwg

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DRAWN BY	PRR
CHECK BY	
PROJ.ARCH./ENGR.	LMM
PROJ. MRG.	LBF
JOB NO.	18022.00

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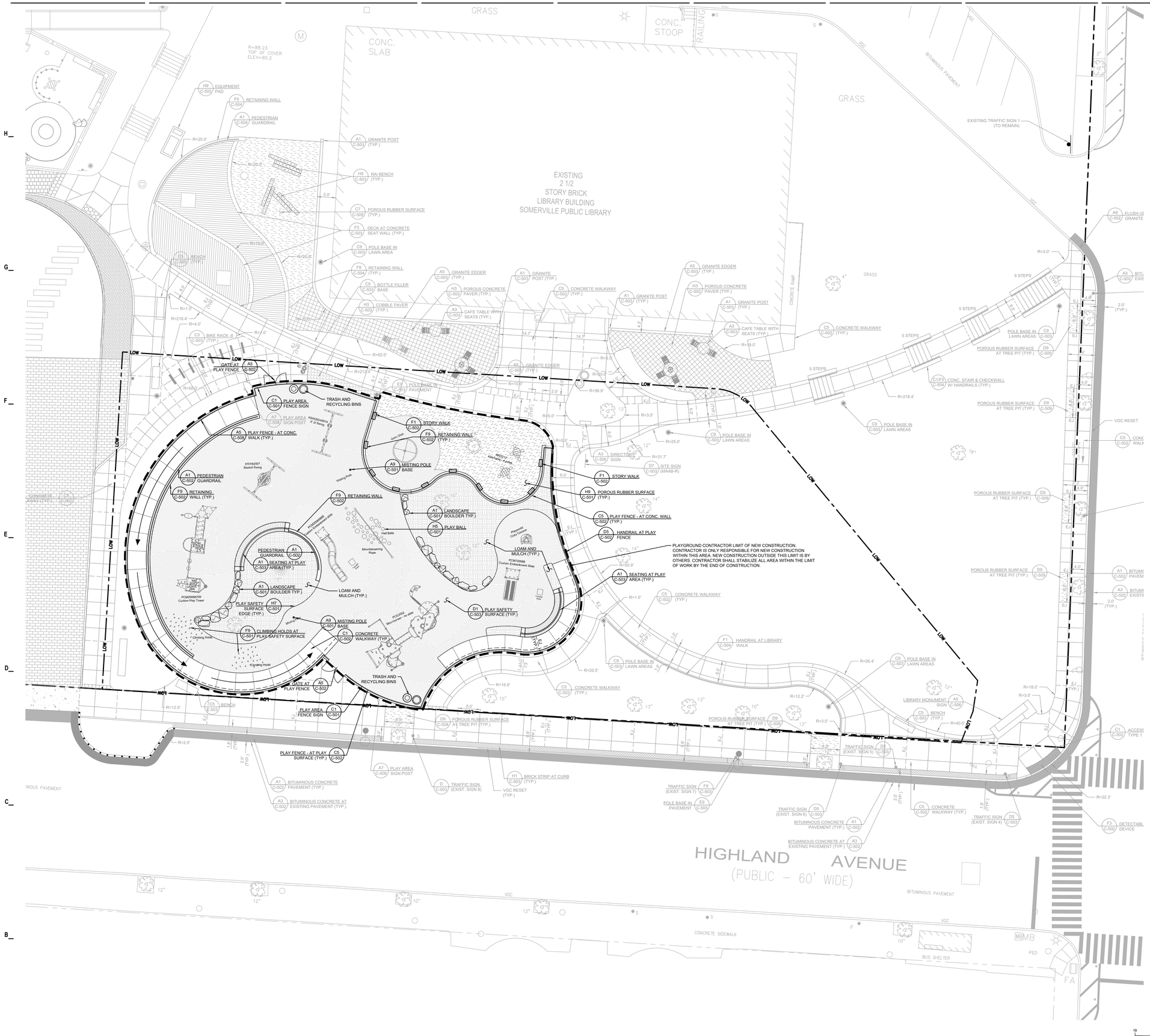
SITE PREPARATION PLAN

C-113



LEGEND

- PEDESTRIAN LIGHT
- RETAINING WALL
- PLAY SAFETY SURFACE
- POROUS RUBBER SURFACE
- CONCRETE WALKWAY
- LOAM AND MULCH PER SPEC. SECTION 32 93 00 PLANTS
- LIMIT OF NEW CONSTRUCTION AREA
- LIMIT OF WORK

NOTES

1. ALL MEASUREMENTS ARE TAKEN FROM FACE OF CURB OR FOUNDATION WALL.
2. PLAYGROUND CONTRACTOR SHALL STABILIZE ANY AREA DISTURBED DURING CONSTRUCTION PRIOR TO THE COMPLETION OF CONSTRUCTION.

GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.

P:\2018\18022\BIM\c\playground\cs\C-123 LAYOUT & MATERIALS.dwg

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MATERIALS PLAN

C-123

LEGEND

- PEDESTRIAN LIGHT
- RETAINING WALL
- PLAY SAFETY SURFACE
- POROUS RUBBER SURFACE
- CONCRETE WALKWAY
- LOAM AND MULCH PER SPEC. SECTION 32 93 00 PLANTS
- LIMIT OF NEW CONSTRUCTION AREA
- LIMIT OF WORK

NOTES

1. ALL MEASUREMENTS ARE TAKEN FROM FACE OF CURB OR FOUNDATION WALL.

2. PLAYGROUND CONTRACTOR SHALL STABILIZE ANY AREA DISTURBED DURING CONSTRUCTION PRIOR TO THE COMPLETION OF CONSTRUCTION.

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

P:\2018\18022\BIM\c\playground\csi\C-123 LAYOUT & MATERIALS.dwg

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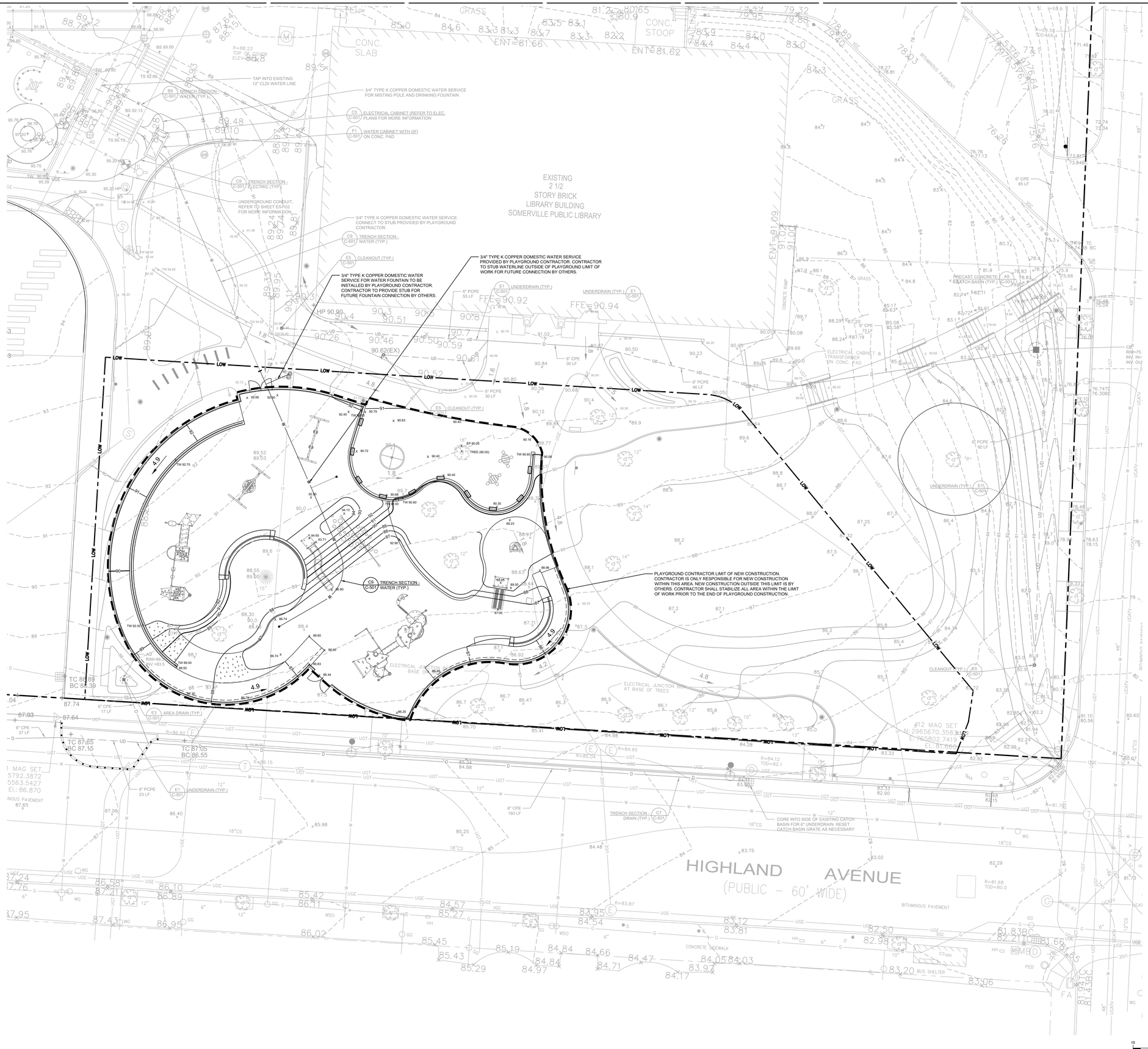
LAYOUT PLAN

C-124



LEGEND

CB	CATCH BASIN
AD	STANDARD AREA DRAIN
OBP	POROUS PAVER OBSERVATION PORT
x91.00	SPOT ELEVATION
I	1' CONTOUR
S	5' CONTOUR
W	WATER LINE
D	DRAIN LINE
UD	UNDERDRAIN
TC / TW	TOP OF CURB / TOP OF WALL
BC / BW	BOTTOM OF CURB / BOTTOM OF WALL
INV=	INVERT ELEVATION
PCPE	PERFORATED CORRUGATED POLYETHYLENE PIPE
CPE	CORRUGATED POLYETHYLENE PIPE
	FLOW ARROW
	LIMIT OF NEW CONSTRUCTION AREA
	LIMIT OF WORK

NOTES

1. PIPE MATERIALS: (UNLESS OTHERWISE SPECIFIED)
   WATER: TYPE K COPPER

2. PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH ALL GOVERNING CODES AND REGULATIONS.

3. EXISTING CONTOURS SHOWN ARE COMPILED BASED ON FILED SURVEY INFORMATION AND DESIGN PLANS FOR THE CENTRAL HILL PROJECT. CONTOURS MAY NOT REFLECT ACTUAL EXISTING CONDITIONS. SOME PORTIONS OF THE SITE ARE CURRENTLY UNDER CONSTRUCTION AND EXISTING ELEVATIONS MAY BE IMPACTED BY CONSTRUCTION ACTIVITY. CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONFLICTS WITH EXISTING GRADES.

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
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P:\2018\18022\BIM\c\playground\cs\C-143 GRADING & UTILITIES PLAN.dwg

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MUNICIPAL FREEDOM GIVES NATIONAL STRENGTH
SOMERVILLE, MASS.

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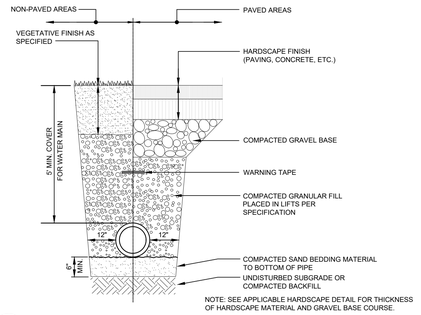
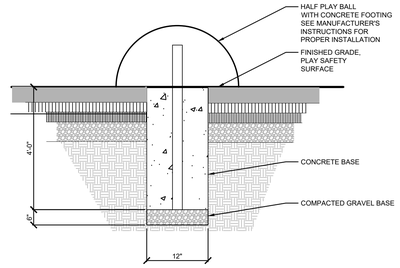
GRADING & UTILITIES PLAN

C-143

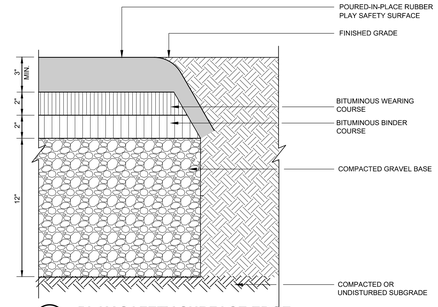


NOTE: SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND GRAVEL BASE COURSE.

G1 TRENCH SECTION - WATER
N.T.S



H5 PLAY BALL
N.T.S



H7 PLAY SAFETY SURFACE EDGE
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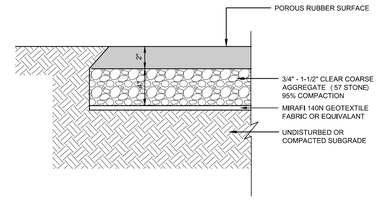
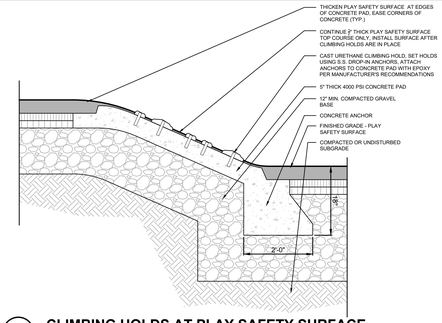
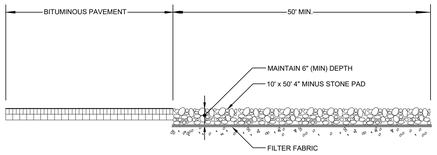


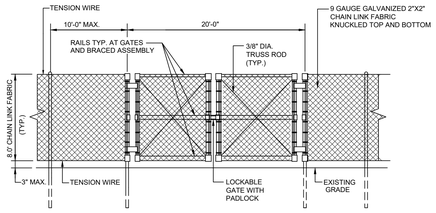
H9 POROUS RUBBER SURFACE
N.T.S



F9 CLIMBING HOLDS AT PLAY SAFETY SURFACE
N.T.S

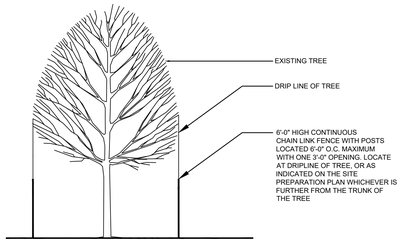


D1 TEMPORARY CONSTRUCTION ENTRANCE
N.T.S



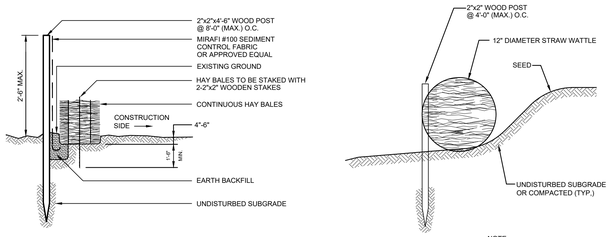
COORDINATE GATE LOCATIONS WITH CITY OF SOMERVILLE

D3 TEMPORARY CONSTRUCTION FENCE W/GATE
N.T.S



NOTE: PROVIDE CROWN PRUNING AND DEEP ROOT FEEDING TO ALL TREES INDICATED AS PROTECTED

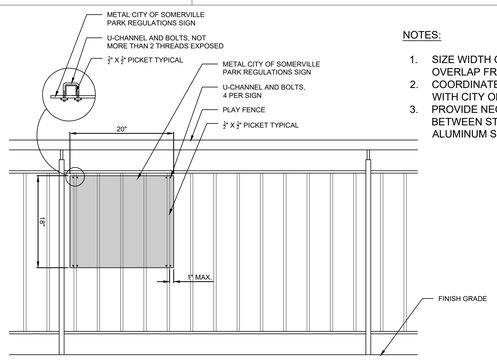
D5 TREE PROTECTION
N.T.S



NOTE:
INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

D7 EROSION PROTECTION
N.T.S

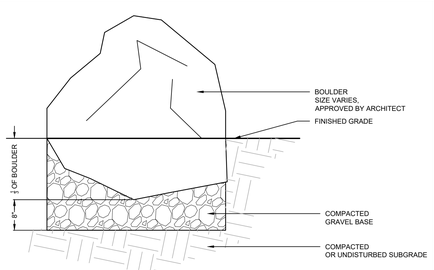
PARK REGULATIONS SIGN



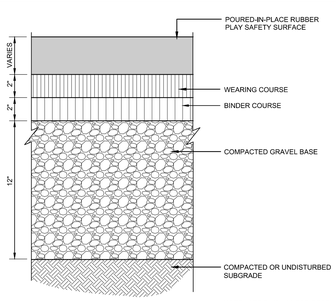
NOTES:

1. SIZE WIDTH OF SIGN FOR 1" MAX. OVERLAP FROM PICKETS
2. COORDINATE TEXT AND GRAPHICS WITH CITY OF SOMERVILLE
3. PROVIDE NEOPRENE PAD SEPARATOR BETWEEN STEEL FENCE AND ALUMINUM SIGN.

C1 PLAY AREA FENCE SIGN
N.T.S

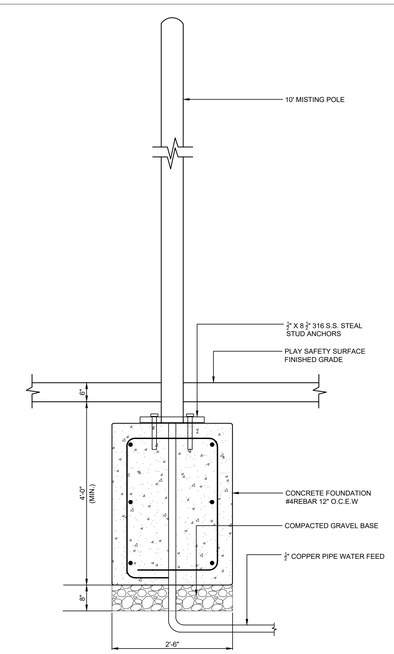


A1 LANDSCAPE BOULDER
N.T.S



NOTE: SEE D1/C-503 FOR DEPTHS OF PLAY SAFETY SURFACE.

A3 PLAY SAFETY SURFACE
N.T.S



A9 MISTING POLE BASE
N.T.S

P:\2018\18022\BIM\cl\playground\cs\C-501 DETAILS.dwg 2/20/2020 8:23:44 AM

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Cambridge, Massachusetts 02138
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CHCP PLAYGROUND

79 HIGHLAND AVENUE
SOMERVILLE, MA 02143

MARK:	DATE:	DESCRIPTION:
-	02/20/2020	100% CONSTRUCTION DOCUMENTS

ISSUE LOG

△ = CLOUDED CHANGE

SCALE	NTS
DRAWN BY	ACO
CHECK BY	
PROJ.ARCH./ENGR.	LMM
PROJ. MRG.	LBF
JOB NO.	18022.00

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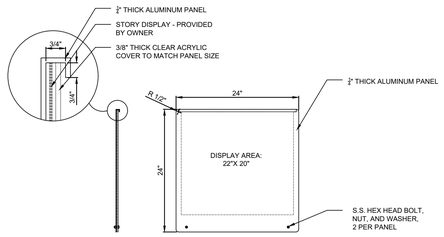
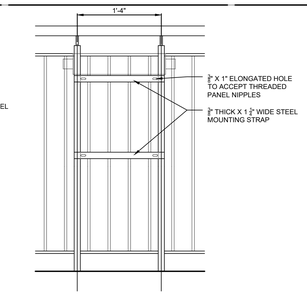
DETAILS I

C-501

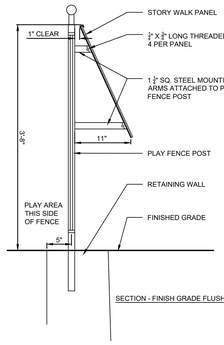


STORY WALK PANEL

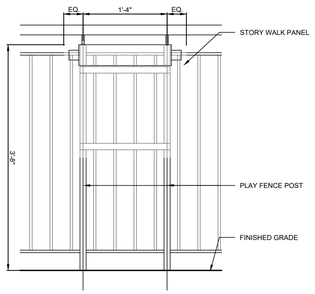


STORY WALK MOUNTING STRAPS

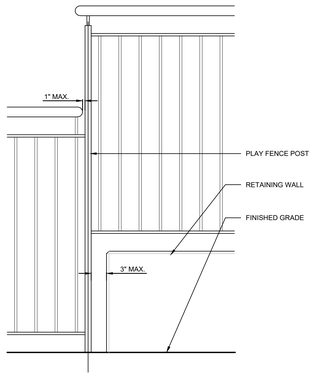
NOTES:
1. STEEL COMPONENTS PRIMER GALVANIZE AND PAINT. ALUMINUM COMPONENTS PAINT TO MATCH.
2. PROVIDE NEOPRENE PAD SEPARATOR BETWEEN STEEL AND ALUMINUM SIGN.



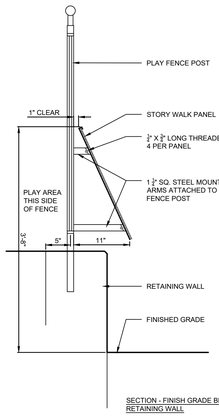
SECTION - FINISH GRADE FLUSH



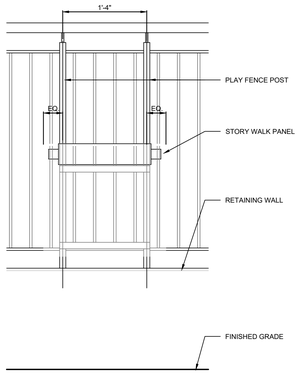
ELEVATION - FINISH GRADE FLUSH



ELEVATION - RETAINING WALL TRANSITION

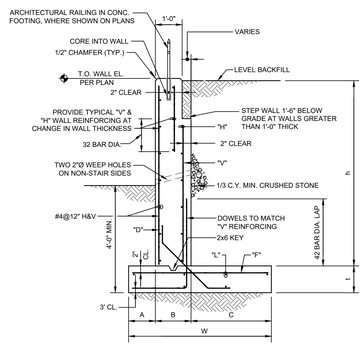


SECTION - FINISH GRADE BELOW RETAINING WALL



ELEVATION - FINISH GRADE BELOW RETAINING WALL

F1 STORY WALK
N.T.S



NOTE: 4000 PSI CONCRETE

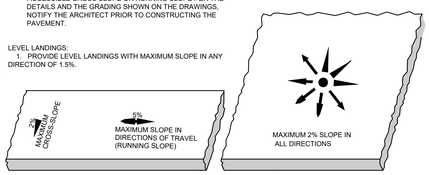
PLANTER RETAINING WALL SCHEDULE										
DIMENSIONS						REINFORCING				
h	A	B	C	W	t	V	H	F	L	D
6' ±	8"	1'-0"	2'-6"	4'-2"	1'-0"	#5@12"	#5@10"	#5@12"	5-#5	#4@12"

F9 RETAINING WALL
N.T.S

NOTES:

SIDEWALKS AND PLAZAS:
1. SLOPE REQUIREMENTS APPLY TO ALL WALKWAY SURFACES INCLUDING BITUMINOUS, PORTLAND CEMENT, PAVERS AND CHIPSEAL.
2. SLOPE REQUIREMENTS APPLY TO ALL SIDEWALKS AND PLAZAS AND ARE NOT LIMITED TO ACCESSIBLE ROUTES.
3. IN THE EVENT OF DISCREPANCY BETWEEN THE MAXIMUM ACCESSIBLE CROSS SLOPE OR RUNNING SLOPE PER THE DETAILS AND THE GRADING SHOWN ON THE DRAWINGS, NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTING THE PAVEMENT.

LEVEL LANDINGS:
1. PROVIDE LEVEL LANDINGS WITH MAXIMUM SLOPE IN ANY DIRECTION OF 1.5%.

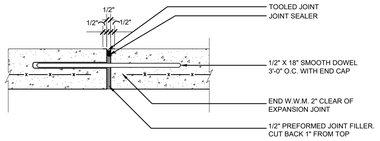


SIDEWALKS

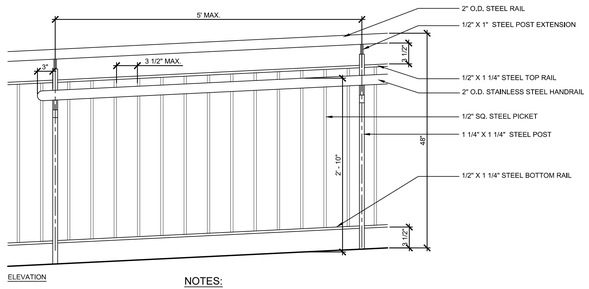
PLAZA AREAS

OR OPEN PAVEMENT AREAS

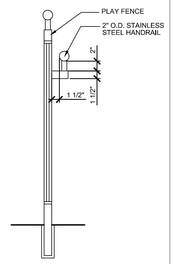
D1 PAVEMENT SLOPES
N.T.S



D3 EXPANSION JOINT WITH SLIP DOWEL DETAIL
N.T.S



ELEVATION



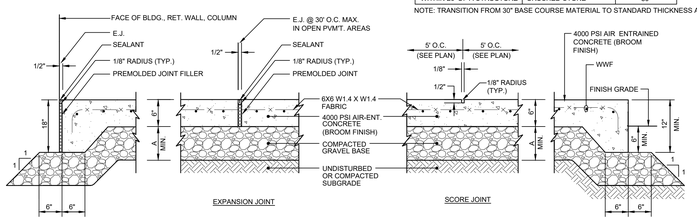
SECTION

NOTES:
1. ALL GUARDRAIL RAILS, POSTS, AND PICKETS BY 05 52 13
2. ALL GUARDRAIL COMPONENTS PRIMER GALVANIZED AND PAINTED DARK GRAY
3. HANDRAIL STAINLESS STEEL

D5 HANDRAIL AT PLAY FENCE
N.T.S

WALKWAY TYPE	BASE COURSE MATERIAL	THICKNESS(A)
STANDARD	GRAVEL BASE COURSE	12"
WITHIN 20' OF A STRUCTURE	CRUSHED STONE	30"

NOTE: TRANSITION FROM 30" BASE COURSE MATERIAL TO STANDARD THICKNESS AT 1:1 SLOPE

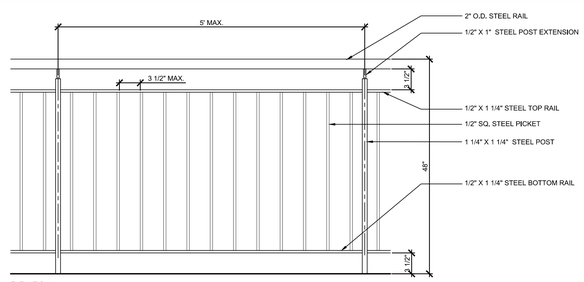


EXPANSION JOINT

SCORE JOINT

NOTES:
1. MAXIMUM CROSS SLOPE = 2%
2. MAXIMUM GRADIENT = 5%
3. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
4. PROVIDE VERTICAL GRANITE OR PRECAST CONCRETE CURBING PER SHEET C3.
5. TRANSITION BASE COURSE O...

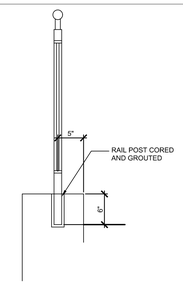
C1 CONCRETE WALKWAY
N.T.S



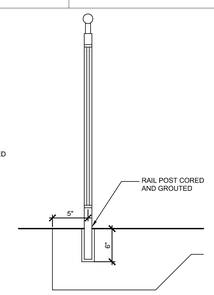
ELEVATION

NOTES:
1. ALL GUARDRAIL RAILS, POSTS, AND PICKETS BY 05 52 13
2. ALL GUARDRAIL COMPONENTS PRIMER GALVANIZED AND PAINTED DARK GRAY

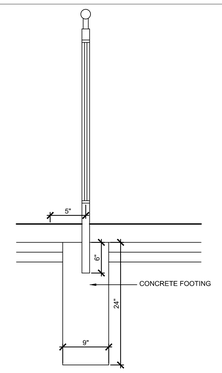
C5 PLAY FENCE
N.T.S



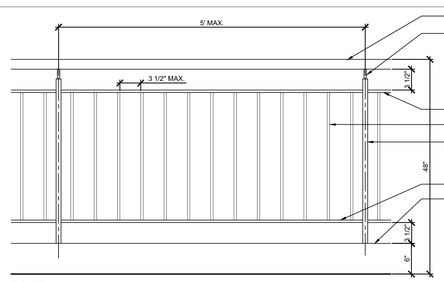
SECTION AT CONCRETE WALL



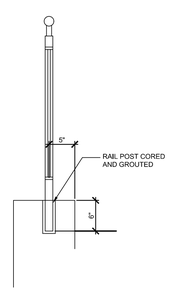
SECTION AT CONCRETE WALK



SECTION AT PLAY / POROUS SURFACE



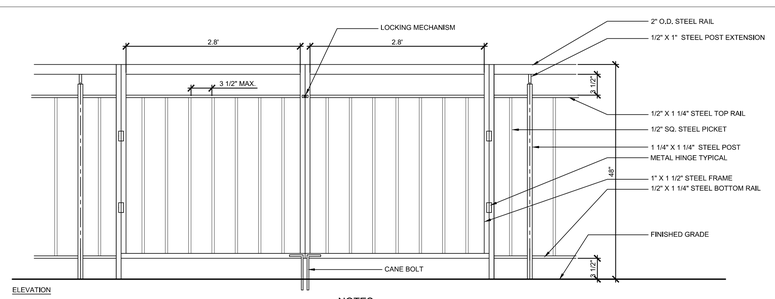
ELEVATION



SECTION

NOTES:
1. ALL GUARDRAIL RAILS, POSTS, AND PICKETS BY 05 52 13
2. ALL GUARDRAIL COMPONENTS PRIMER GALVANIZED AND PAINTED DARK GRAY

A1 PEDESTRIAN GUARDRAIL
N.T.S



ELEVATION

NOTES:
1. ALL GATE RAILS, POSTS, AND PICKETS BY 05 52 13
2. ALL GATE COMPONENTS PRIMER GALVANIZED AND PAINTED DARK GRAY

A5 GATE AT PLAY FENCE
N.T.S

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CHCP PLAYGROUND

79 HIGHLAND AVENUE
SOMERVILLE, MA 02143

MARK:	DATE:	DESCRIPTION:
	02/20/2020	100% CONSTRUCTION DOCUMENTS

ISSUE LOG

△ = CLOUDED CHANGE

SCALE	NTS
DRAWN BY	ACO
CHECK BY	
PROJ.ARCH./ENGR.	LMM
PROJ. MRG.	LBF
JOB NO.	18022.00

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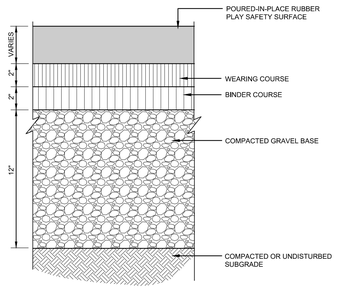
DETAILS II

C-502



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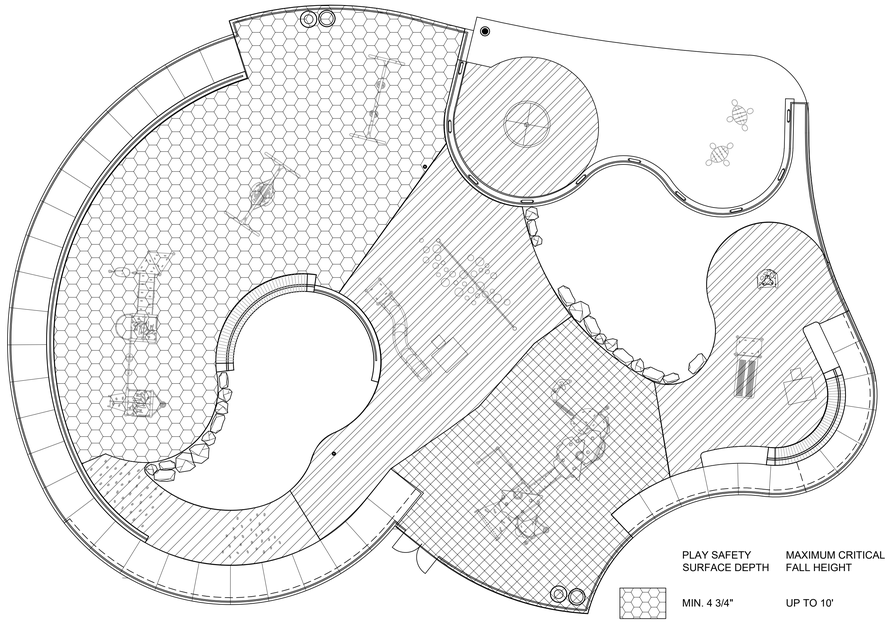
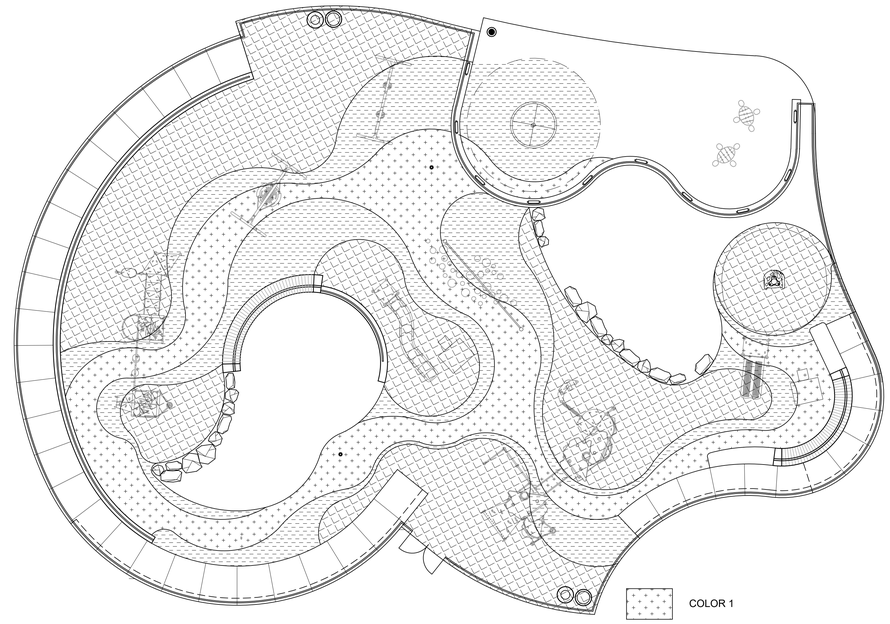


PLAY SAFETY SURFACE DEPTH	MAXIMUM CRITICAL FALL HEIGHT
MIN. 4 3/4"	UP TO 10'
MIN. 3 1/4"	UP TO 7'
MIN. 1 3/4"	UP TO 4'
1/2"	N/A

SURFACE DEPTH AREAS

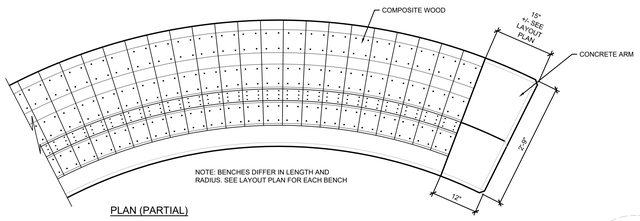
NOTE: DEPTH OF PLAY SAFETY SURFACE MUST COMPLY WITH ASTM F 1292.



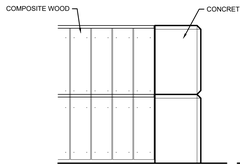
COLOR 1
COLOR 2
COLOR 3

SURFACE COLOR AREAS

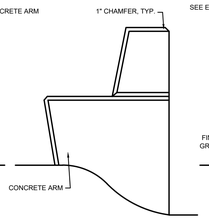
D1 PLAY SAFETY SURFACE DETAIL
N.T.S



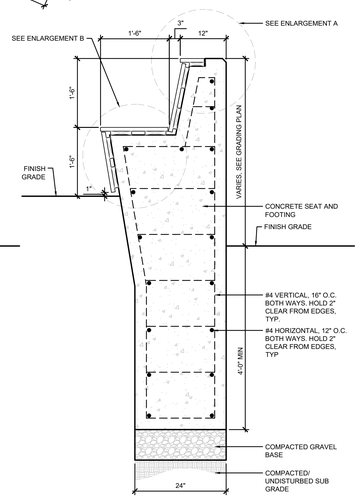
PLAN (PARTIAL)



FRONT ELEVATION



SIDE ELEVATION



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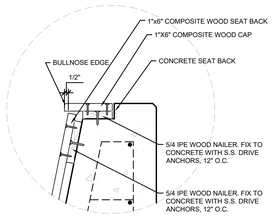
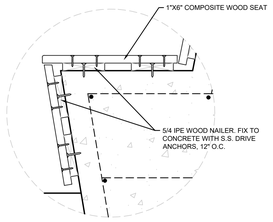


ENLARGEMENT A



ENLARGEMENT B

A1 SEATING AT PLAY AREA
N.T.S

SMMA

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1000 Massachusetts Avenue
Cambridge, Massachusetts 02138
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CHCP PLAYGROUND
79 HIGHLAND AVENUE
SOMERVILLE, MA 02143

MARK:	DATE:	DESCRIPTION:
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ISSUE LOG
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SCALE	NTS
DRAWN BY	ACO
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PROJ.ARCH./ENGR.	LMM
PROJ. MRG.	LBF
JOB NO.	18022.00

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DETAILS III

C-503

P:\2018\18022\BIM\c\playground\cs\C-501 DETAILS.dwg 2/20/2020 8:24:37 AM