

# TOWN OF HULL, MASSACHUSETTS

## GREEN HILL PLAYGROUND

March 9, 2023

Bid Set



TOWN MANAGER  
PHILIP E. LEMNIOS

DEPARTMENT OF COMMUNITY AND PLANNING DEVELOPMENT

CHRIS DILORIO, DIRECTOR

Project  
Location



LOCATION MAP  
NOT TO SCALE

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PREPARED BY:



ISSUE DATE: March 9, 2023

REGISTERED PROFESSIONAL \_\_\_\_\_ DATE \_\_\_\_\_

# LEGEND

## GENERAL SYMBOLS

EXISTING	PROPOSED	
		CURB OR BERM (TYPE AS NOTED)
		EDGE OF PAVEMENT
		CATCH BASIN (OR GUTTER INLET, LEACHING BASIN, DROP INLET, CATCH BASIN CURB INLET)
		ELECTRIC HANDHOLE (NUMBER AS NOTED)
		ELECTRIC MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
		SEWER MANHOLE
		DRAINAGE MANHOLE
		GAS GATE
		WATER GATE
		CURB STOP
		HYDRANT
		TRAFFIC SIGNAL PULL BOX
		STREET LIGHT POLE
		UTILITY POLE
		UTILITY POLE w/ LIGHT
		SIGN
		DRAIN PIPE (SIZE AS NOTED)
		SEWER MAIN (SIZE AS NOTED)
		ELECTRIC DUCT
		GAS MAIN (SIZE AS NOTED)
		WATER MAIN (SIZE AS NOTED)
		TELEPHONE DUCT (SIZE AS NOTED)
		TRAFFIC SIGNAL CONDUIT
		STONE WALL
		RETAINING WALL (TYPE NOTED)
		HIGHWAY/PROPERTY BOUND (TYPE AS NOTED)
		CITY, TOWN, COUNTY OR STATE BOUNDARY LINE
		PROPERTY LINE
		EASEMENT LINE (TYPE NOTED)
		CONSTRUCTION BASELINE
		TREE OR SHRUB(SIZE AND TYPE AS NOTED)
		FENCE (SIZE AND TYPE AS NOTED)
		WOODED AREA / LIMIT OF CLEARING
		SPOT GRADE
		SAW CUT LINE
		TEST PIT
		BORING
		EROSION CONTROL BARRIER/ COMPOST FILTER TUBES
		GUARD RAIL
		DIMENSIONS
		FLUSH CONDITION SYMBOL
		DRAINAGE ARROW
		SWALE LINE
		ADS DRAINAGE PIPE

## ABBREVIATIONS

General	Utilities
ACR ACCESSIBLE CURB RAMP	ABAN ABANDON
ADA AMERICANS WITH DISABILITIES ACT	ADJ ADJUST
APPROX APPROXIMATE	CATV CABLE TV
ARCH ARCHITECTURAL	CIP CAST IRON PIPE
BC BOTTOM OF CURB	CMP CORRUGATED METAL PIPE
BCB BITUMINOUS CONCRETE BERM	CO CLEANOUT
BCC BITUMINOUS CONCRETE CURB	COND CONDUIT
BIT BITUMINOUS	CS CURB STOP AND BOX
BLDG BUILDING	DIA DIAMETER
BLSF BORDERING LAND SUBJECT TO FLOODING	DCB DOUBLE CATCH BASIN
BOT BOTTOM	DET DETENTION
BS BOTTOM OF SLOPE	DIP DUCTILE IRON PIPE
BW BOTTOM OF WALL	DMH DRAIN MANHOLE
BWLL BROKEN WHITE LANE LINE	DW DOMESTIC WATER
CCB CAPE COD BERM	EMH ELECTRIC MANHOLE
CLF CHAIN LINK FENCE	FA FIRE ALARM
CONC CONCRETE	FES FLARED END SECTION
DPW DEPARTMENT OF PUBLIC WORKS	FP FIRE PROTECTION
DYCL DOUBLE YELLOW CENTER LINE	FM FORCE MAIN
ECC EXTRUDED CONCRETE CURB	FO FIBER OPTICS
ELEV ELEVATION	F&C FRAME AND COVER
EOP EDGE OF PAVEMENT	F&G FRAME AND GRATE
EX EXISTING	GG GAS GATE
EXIST EXISTING	GI GUTTER INLET
FDN FOUNDATION	GM GAS METER
FFE FIRST FLOOR ELEVATION	GT GREASE TRAP
GRAN GRANITE	HDPE HIGH DENSITY POLYETHYLENE PIPE
GTD GRADE TO DRAIN	HH HAND HOLE
HP HIGH POINT	HW HEADWALL
LA LANDSCAPE AREA	HYD HYDRANT
LOD LIMIT OF DISTURBANCE	INF INFILTRATION
LOW LIMIT OF WORK	INV INVERT ELEVATION
LP LOW POINT	I= INVERT ELEVATION
MAX MAXIMUM	MES METAL END SECTION
MCC MONOLITHIC CONCRETE CURB	MW MONITORING WELL
ME MATCH EXISTING	OHW OVERHEAD WIRE
MIN MINIMUM	PB PULL BOX
NDZ NO DISTURB ZONE	PIV POST INDICATOR VALVE
NIC NOT IN CONTRACT	PVC POLYVINYLCHLORIDE PIPE
NTS NOT TO SCALE	RCP REINFORCED CONCRETE PIPE
PCC PRECAST CONCRETE CURB	RD ROOF DRAIN
PL PROPERTY LINE	R= RIM ELEVATION
PROP PROPOSED	SAS SOIL ABSORPTION SYSTEM
R RADIUS	SCB SINGLE CATCH BASIN
RA RIVERFRONT AREA	SLP SITE LIGHT POLE
REM REMOVE	SMH SEWER MANHOLE
RET RETAIN	SYS SYSTEM
ROW RIGHT-OF-WAY	TMH TELEPHONE MANHOLE
R+D REMOVE AND DISPOSE	TSV TAPPING SLEEVE, VALVE, AND BOX
R+R REMOVE AND RESET	UD UNDERDRAIN
R+S REMOVE AND SALVAGE	UG UNDERGROUND
SGE SLOPED GRANITE EDGING	UP UTILITY POLE
SWEL SOLID WHITE EDGE LINE	WM WATER METER
SWLL SOLID WHITE LANE LINE	WQI WATER QUALITY INLET
TC TOP OF CURB	WQS WATER QUALITY STRUCTURE
TF TOP OF FRAME	WV WATER VALVE AND BOX
TR TRASH BAY	
TS TOP OF SLOPE	
TW TOP OF WALL	
TYP TYPICAL	
VGC VERTICAL GRANITE CURB	

## GENERAL NOTES

### GENERAL INFORMATION:

- CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS, AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
- AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 6 INCHES OF LOAM AND BE SEEDED.
- WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
- ALL TRAFFIC CONTROL DEVICES, MANAGEMENT PLANS, CONSTRUCTION PHASING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS, AND CORRECTIVE ACTION IF SUCH OCCURS.
- DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

### EXISTING CONDITIONS:

- THE EXISTING CONDITIONS SHOWN ARE BASED ON THE EXISTING CONDITIONS PLAN PREPARED BY ALPHA SURVEY GROUP, LLC. DATED MAY 26, 2021.
- THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER GATES, ETC. AND COMPILED FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES.
- FOR ELEVATION DATUM INFORMATION SEE ORIGINAL SURVEY.
- THE SURVEY HAS BEEN UPDATED TO SHOW THE DRAINAGE WORK THAT WAS DONE ON ATLANTIC AVENUE BY THE TOWN AFTER THE SURVEY WAS COMPLETED. NO INVERTS OR TOP OF FRAME ELEVATIONS WERE TAKEN FOR THIS WORK. INFORMATION SHOWN IS FROM TOWN OF THE PLANS FOR IMPROVEMENTS ON ATLANTIC AVENUE DONE BY MASSDOT/ HIGHWAY DIVISION DATED 8/27/2021.

### EROSION CONTROL:

- PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
- CONTRACTOR SHALL INSTALL INLET SEDIMENT CONTROL DEVICES IN ALL CATCH BASINS TO CONTROL ENTRY OF DEBRIS. SEE DETAIL SHEET.
- CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
- CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
- UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.
- CONTRACTOR SHALL CONFORM TO ORDER OF CONDITIONS.

### LAYOUT AND MATERIALS:

- DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
- PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURER'S LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.

### UTILITIES:

- THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVES HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF ALL CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
- THE CONTRACTOR SHALL SUBMIT FOR REVIEW BY THE ENGINEER AND TOWN OF HULL, A PLAN IDENTIFYING THE PROPOSED MEANS AND METHODS OF BYPASSING, RELOCATING, REMOVAL, OR RESTORATION OF ALL PUBLIC UTILITY INFRASTRUCTURE INCLUDING BUT NOT LIMITED TO WATER MAINS, SEWER MAINS, AND STORM DRAINS.
- CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY UTILITIES COMPANY.
- UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:
  - STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HDPE)
  - SANITARY SEWER PIPES SHALL BE POLYVINYL CHLORIDE (PVC), SDR 35 SEWER PIPE
  - WATER PIPES SHALL BE CEMENT LINED DUCTILE IRON, CLASS 52

### SURFACE RESTORATION

- ANY AREA DISTURBED BY THE CONTRACTOR OUTSIDE THE LIMIT OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.

PREPARED BY



REGISTERED PROFESSIONAL

SUBCONSULTANT

PROJECT

## GREEN HILL PLAYGROUND

Atlantic Avenue  
Parcel ID 51-030

HULL, MA

TITLE

## GENERAL NOTES AND LEGEND

BID SET	1/15/2023
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NO.	REVISIONS	DATE

DRAWN BY: SD/MH

DESIGNED BY: SD/DM

CHECKED BY: DM

ISSUE DATE: March 9, 2023

BETA JOB NO.: 7616

SCALE

NONE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

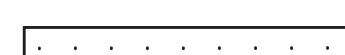



## Bid Set

SHEET NO.

LG2.0



**LEGEND**

-  R&D PAVEMENT
-  DRIPLINE TREE PROTECTION FENCE
-  R&D FENCE (BASEID)
-  R&D FENCE (ALTERNATE)

- NOTES:**
1. R&D FOUNDATIONS FROM OLD FENCE POSTS AS WELL AS NEW FENCE POST FOUNDATIONS
  2. EXISTING ASPHALT PAVEMENT TO BE PULVERIZED IN PLACE AND MIXED WITH THE SOILS BELOW IT. REMOVE PULVERIZED MATERIAL TO ITS FULLEST BASE DEPTH IN ALL AREAS THAT ARE NOT SHOWN TO BE FUTURE ASPHALT
  3. CLEAR, GRUB AND STOCKPILE TOPSOIL AND SUBSOIL IN ALL AREAS TO RECEIVE NEW IMPROVEMENTS

PREPARED BY



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SUBCONSULTANT

PROJECT

**GREEN HILL PLAYGROUND**

Atlantic Avenue  
Parcel ID 51-030

HULL, MA

TITLE

**SITE PREPARATION PLAN**

BID SET	1/15/2023
---------	-----------

NO.	REVISIONS	DATE

DRAWN BY: SD/MH

DESIGNED BY: SD/DM

CHECKED BY: DM

ISSUE DATE: March 9, 2023

BETA JOB NO.: 7616

SCALE



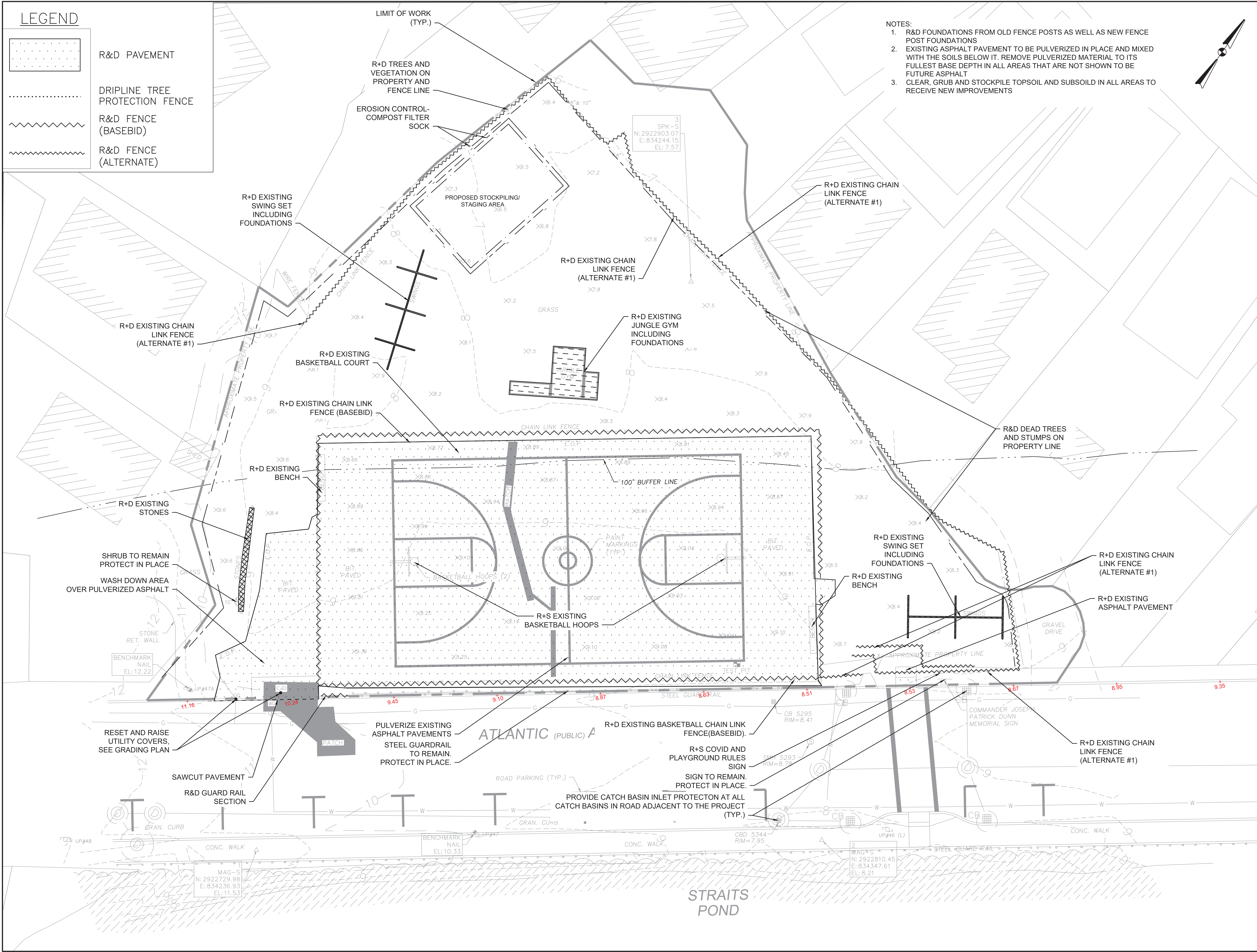
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**Bid Set**






SHEET NO.

LG4.0

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**LEGEND**

-  ASPHALT PAVING
-  CONCRETE
-  STONE DUST
-  PIP POLYURETHANE SAFETY SURFACING
-  WOOD FIBER SAFETY SURFACING

PREPARED BY



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**GREEN HILL PLAYGROUND**

Atlantic Avenue  
Parcel ID 51-030

HULL, MA

TITLE

**MATERIALS AND LAYOUT PLAN**

BID SET 1/15/2023

NO. REVISIONS DATE

DRAWN BY: SD/MH

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ISSUE DATE: March 9, 2023

BETA JOB NO.: 7616

SCALE



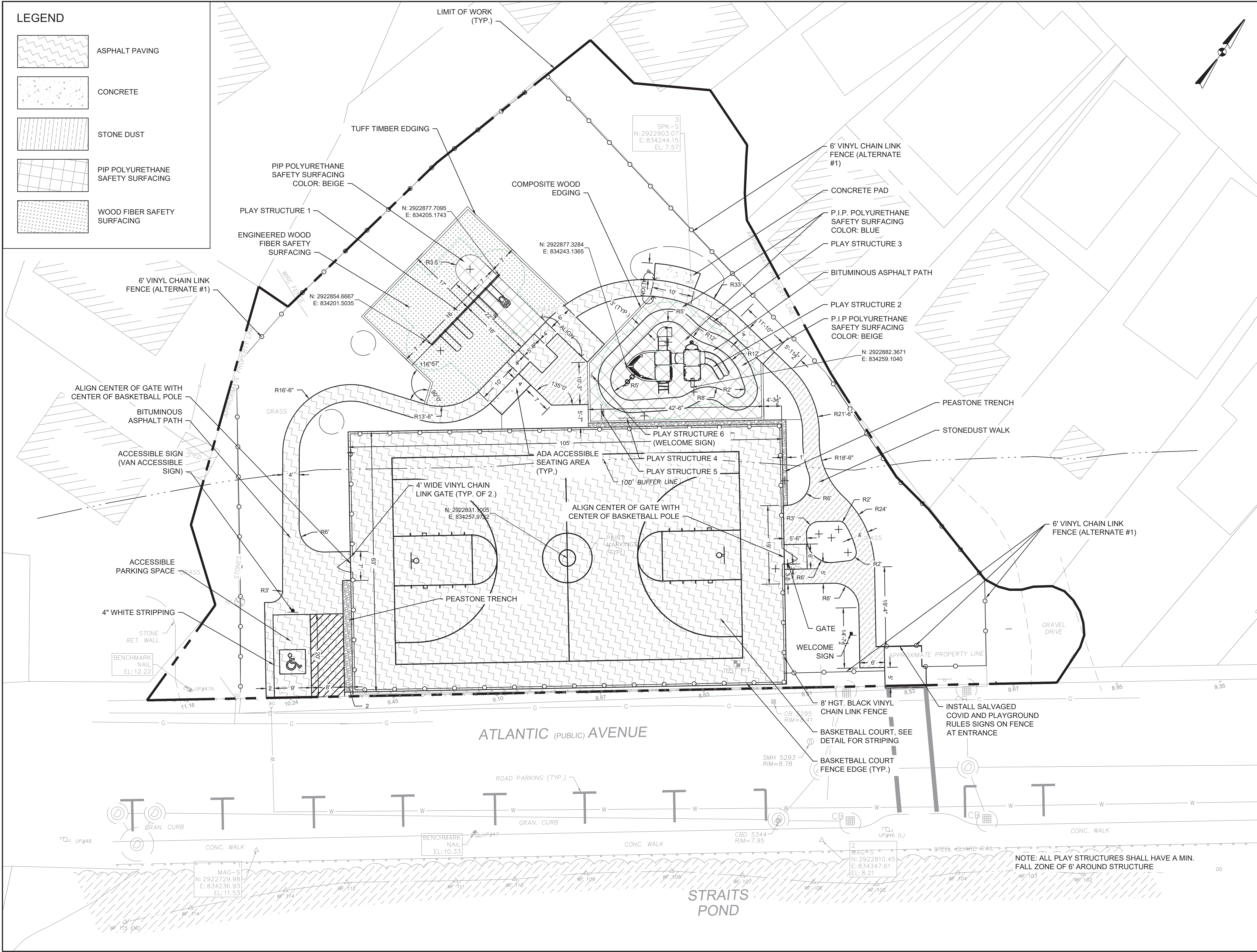
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**Bid Set**

SHEET NO.

LG5.0

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NOTE: ALL PLAY STRUCTURES SHALL HAVE A MIN. FALL ZONE OF 6' AROUND STRUCTURE

**GREEN HILL  
 PLAYGROUND**

Atlantic Avenue  
 Parcel ID 51-030

HULL, MA

**GRADING PLAN**

BID SET	1/15/2023
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NO.	REVISIONS	DATE
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DRAWN BY: SD/MH

DESIGNED BY: SD/DM

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ISSUE DATE: March 9, 2023

BETA JOB NO.: 7616

SCALE

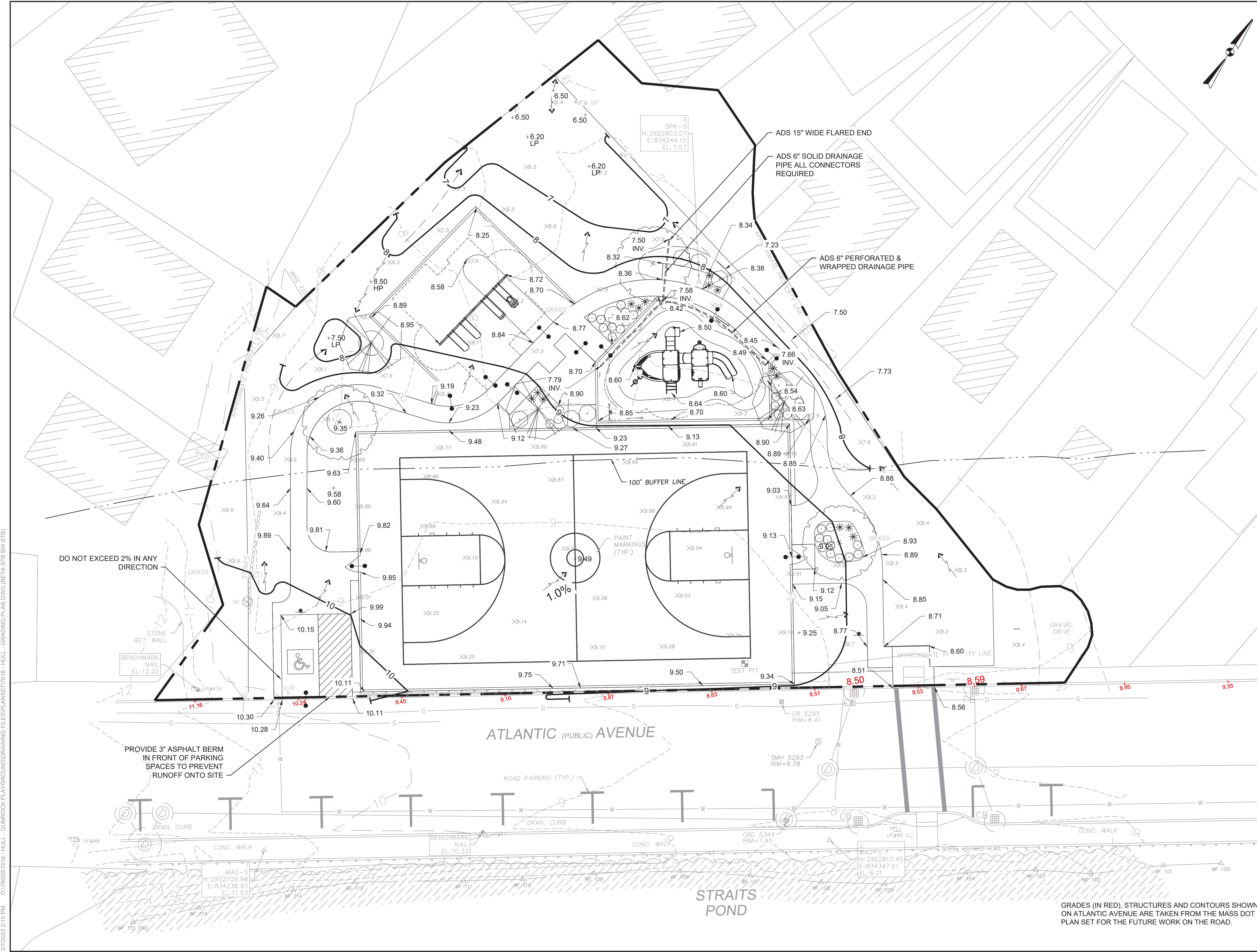


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**Bid Set**

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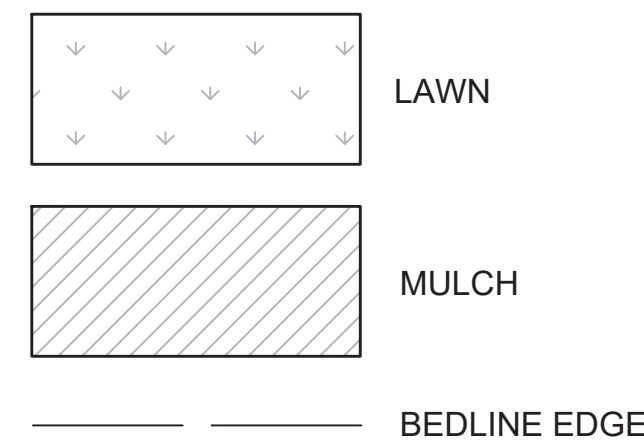
LG6.0



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GRADES (IN RED), STRUCTURES AND CONTOURS SHOWN ON ATLANTIC AVENUE ARE TAKEN FROM THE MASS DOT PLAN SET FOR THE FUTURE WORK ON THE ROAD.

LEGEND



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**GREEN HILL PLAYGROUND**

Atlantic Avenue  
Parcel ID 51-030

HULL, MA

TITLE

**PLANTING PLAN**

BID SET 1/15/2023

NO. REVISIONS DATE

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BETA JOB NO.: 7616

SCALE

10 0 10 20

SCALE IN FEET: 1"=10'

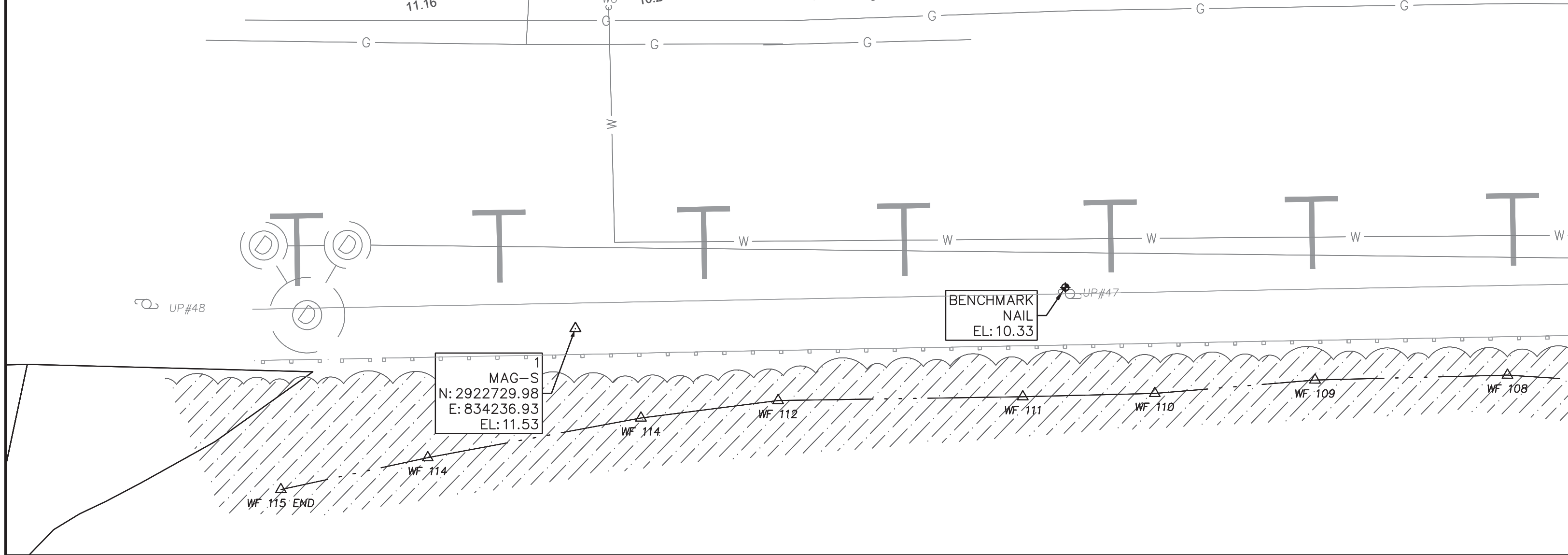
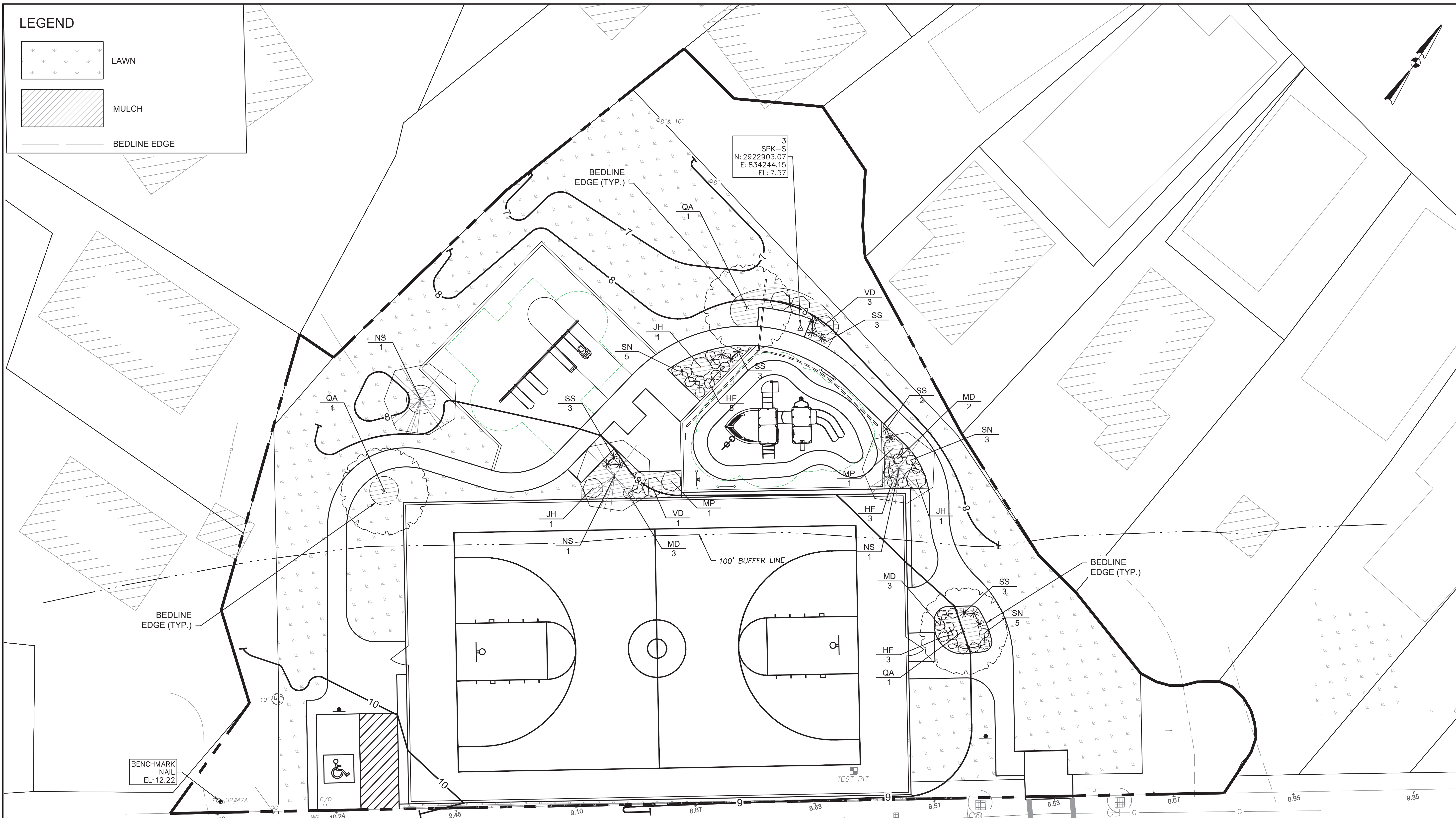
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**Bid Set**

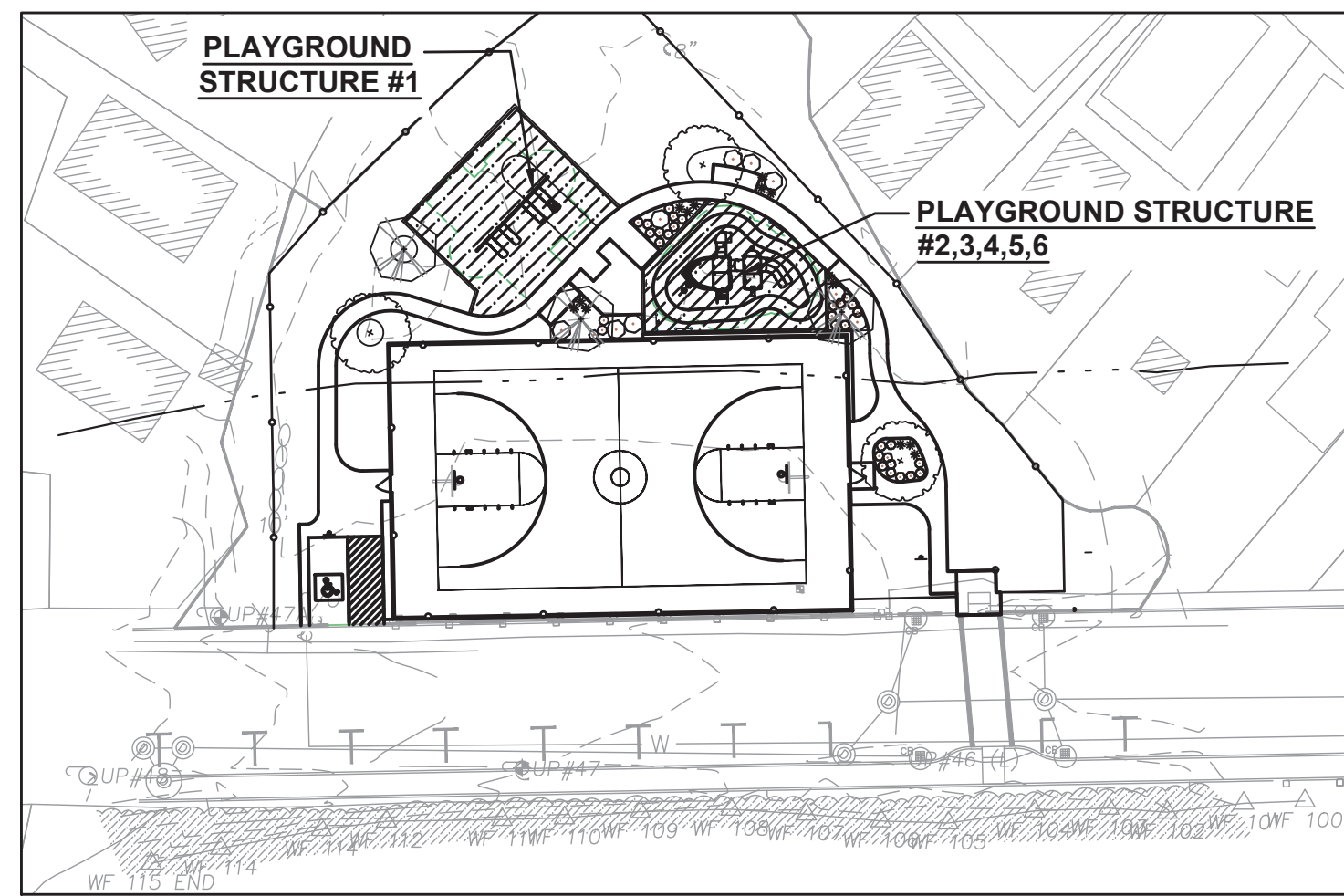
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PLANT LIST - MASTER SCHEDULE FOR NON-RESTORATION OR RAIN GARDEN AREAS						
PLANT TYPE	LABEL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
TREES	NS	3	NYSSA SYLVATICA	BLACK GUM	7 GAL	CONTAINER
	QA	3	QUERCUS ALBA	EASTERN WHITE OAK	5 GAL	CONTAINER
SHRUBS	JH	3	JUNIPERUS HORIZONTALIS 'BLUE HARBOR'	BLUE HARBOR CREEPING JUNIPER	2 GAL	CONTAINER
	MP	2	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	2 GAL	CONTAINER
	VD	4	VIBURNUM DENTATUM	ARROWWOOD	3 GAL	CONTAINER
PERENNIALS & GRASSES	HF	11	HEMEROCALLIS FULVA	TIGER DAYLILY	1 GAL	CONTAINER
	MD	8	MONARDA DIDYMA	SCARLET BEE BALM	1 GAL	CONTAINER
	SS	14	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	1 GAL	CONTAINER
	SN	13	SYMPHYOTRICHUM NOVAE-ANGLIAE	NEW ENGLAND ASTER	1 GAL	CONTAINER



LOCUS MAP  
SCALE: 1" = 40'

PLAY STRUCTURES, P.I.P. SAFETY SURFACING, ENGINEERED WOOD FIBER AND TIMBER-TUFF BORDER WILL BE PURCHASED BY THE TOWN THROUGH THE STATE AND ARE SHOWN FOR LOCATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR PREPARING SUB-BASE MATERIAL AT CORRECT ELEVATIONS AND ALL OTHER BORDERS AND COORDINATING WITH THE PLAYGROUND CONTRACTOR PRIOR TO THE INSTALLATION OF THE STRUCTURES AND P.I.P. SAFETY SURFACING.

PLAY STRUCTURE 1 EQUIPMENT

QTY	ITEM NUMBER	ITEM NAME
2	174018	BELT SEAT W/ PROGUARD CHAINS 8' BEAM HEIGHT
1	176038	FULL BUCKET SEAT W/ PROGUARD CHAINS 8' BEAM HEIGHT
1	218671	MOLDED SEAT(2-5)/HARNESS W/ PROGUARD CHAINS 8' BEAM HEIGHT
1	177332	SINGLE POST SWING DB ONLY
1	177333	SINGLE POST SWING ADDITIONAL BAY DB ONLY
24	100625	30" GALVANIZED STAKE

PLAY STRUCTURE 2 EQUIPMENT

QTY	ITEM NUMBER	ITEM NAME
1	172666	CORKSCREW W/ RECYCLED WOOD-GRAIN HANDHOLES
1	119930	OFFSET CRAWL TUNNEL 42"MOD. DECK TO DECK 8" OFFSET
1	184354	LEFT TRANSFER MODULE PB 2-5 YRS
1	176756*	SHIP MAST 2-SAIL CUSTOM
1	176759*	SHIP BOW 84" WIDE CUSTOM
1	176832*	48" DECK DIFF. SHIP LADDER CUSTOM
3	176805*	SHIP WINDOW PANEL CUSTOM
1	175953*	SHIP BOW CHAIN CLIMBER CUSTOM
1	169318	WOOD PLANK WIGGLE LADDER
1	176638*	SHIP WHEEL PANEL CUSTOM
1	115254	STORE FRONT PANEL (BELOW DECK)
1	176650*	CANNON PANEL CUSTOM
1	115253	HOLE PANEL (BELOW DECK)
1	130798	DOUBLE SWIRL SLIDE

PLAY STRUCTURE 3 EQUIPMENT

QTY	ITEM NUMBER	ITEM NAME
1	129043	IMAGE REACH PANEL AT GRADE

PLAY STRUCTURE 4 EQUIPMENT

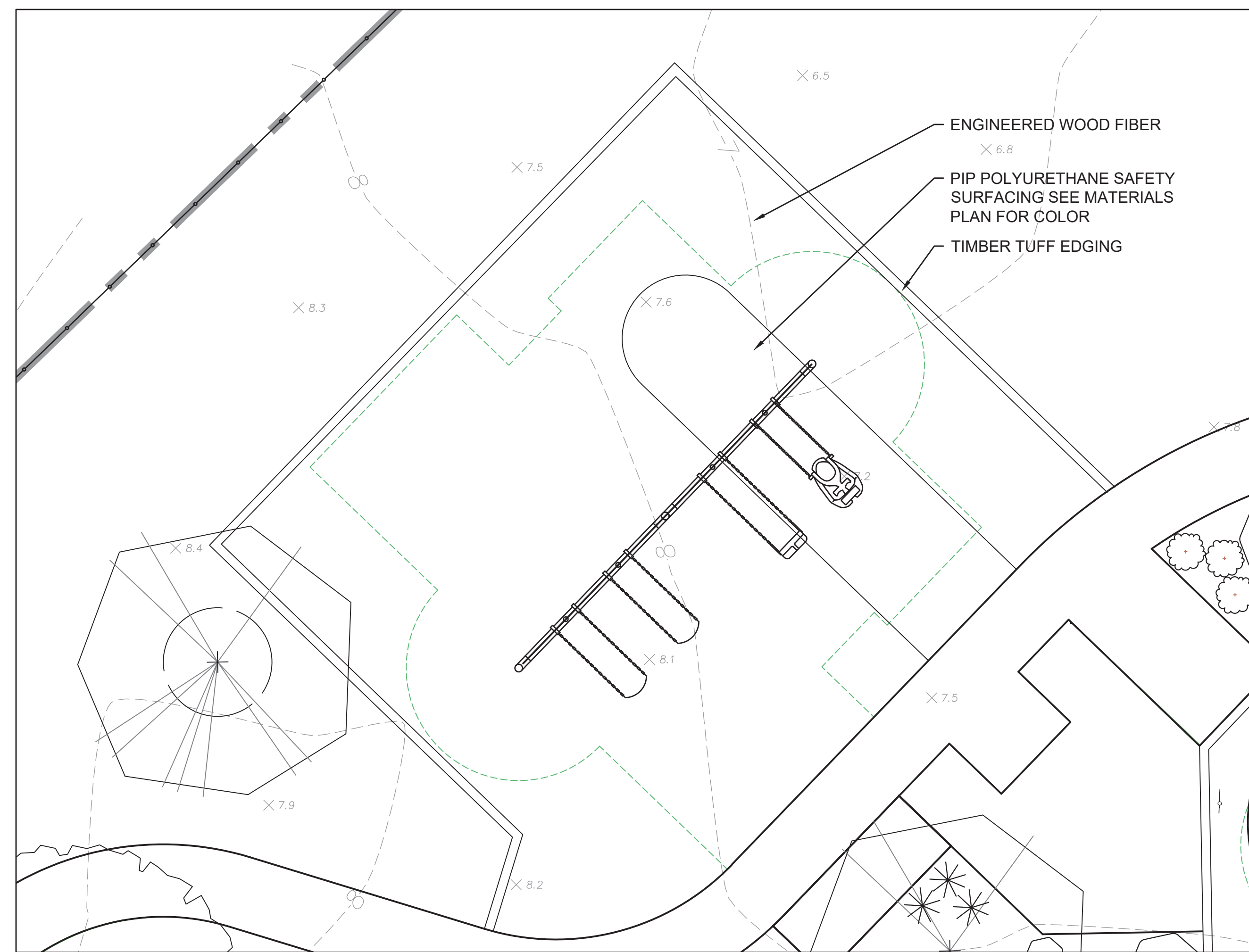
QTY	ITEM NUMBER	ITEM NAME
1	135730	MATCH 3 REACH PANEL AT GRADE

PLAY STRUCTURE 5 EQUIPMENT

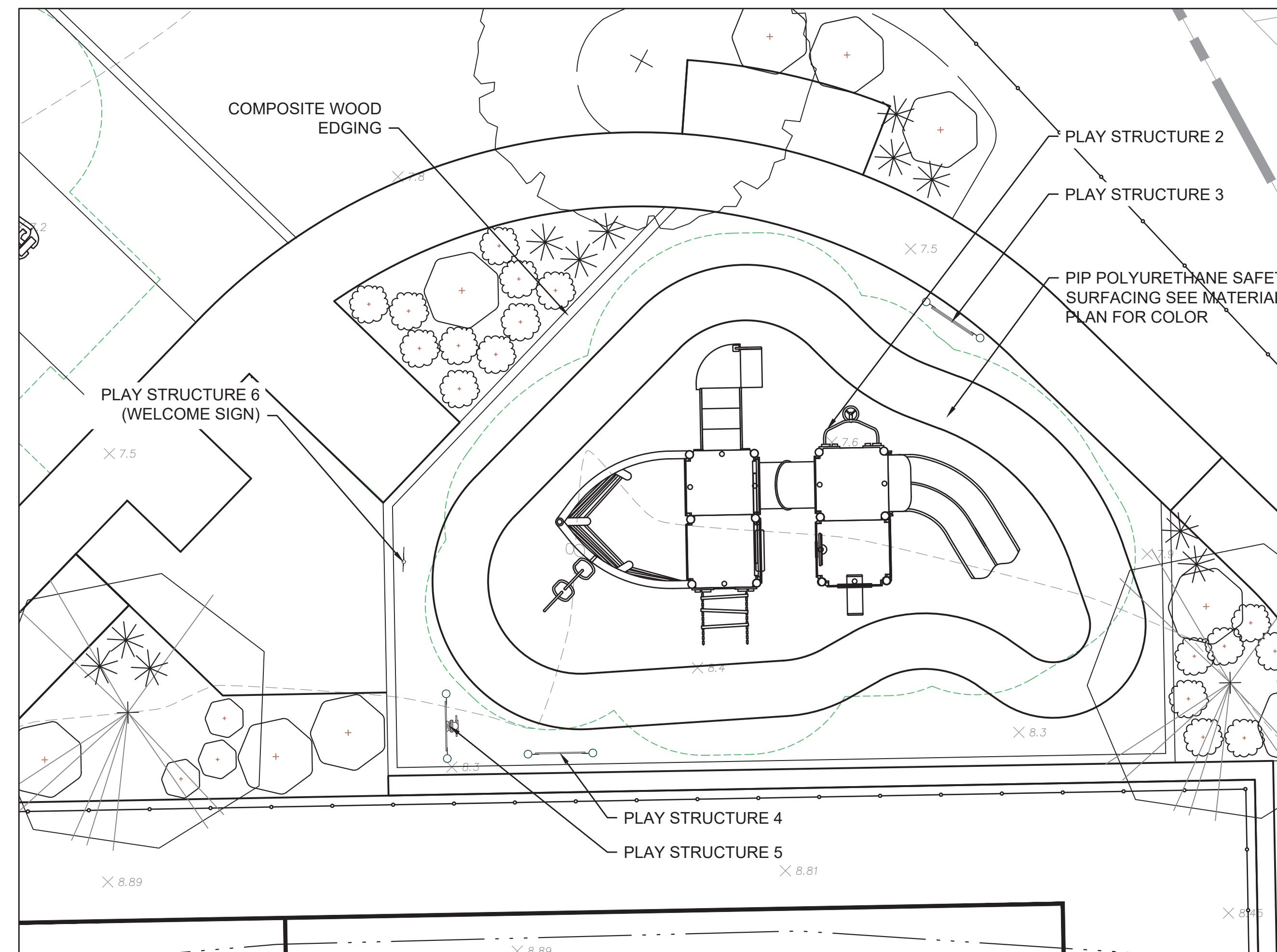
QTY	ITEM NUMBER	ITEM NAME
1	135729	PERISCOPE REACH PANEL AT GRADE

PLAY STRUCTURE 6 EQUIPMENT

QTY	ITEM NUMBER	ITEM NAME
1	182503	WELCOME SIGN



PLAY STRUCTURE 1  
SCALE: 1" = 4'



PLAY STRUCTURES 2 - 6  
SCALE: 1" = 4'

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SUBCONSULTANT

PROJECT

GREEN HILL  
PLAYGROUND

Atlantic Avenue  
Parcel ID 51-030

HULL, MA

TITLE

PLAYGROUND  
STRUCTURE  
ENLARGEMENT

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BETA JOB NO.: 7616

SCALE

AS SHOWN

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

Bid Set

SHEET NO.

LG8.0





**GREEN HILL PLAYGROUND**

Atlantic Avenue  
Parcel ID 51-030

HULL, MA

**CONSTRUCTION DETAILS - 2**

BID SET	1/15/2023
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NO.	REVISIONS	DATE
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DRAWN BY: SD/MH

DESIGNED BY: SD/DM

CHECKED BY: DM

ISSUE DATE: March 9, 2023

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SCALE

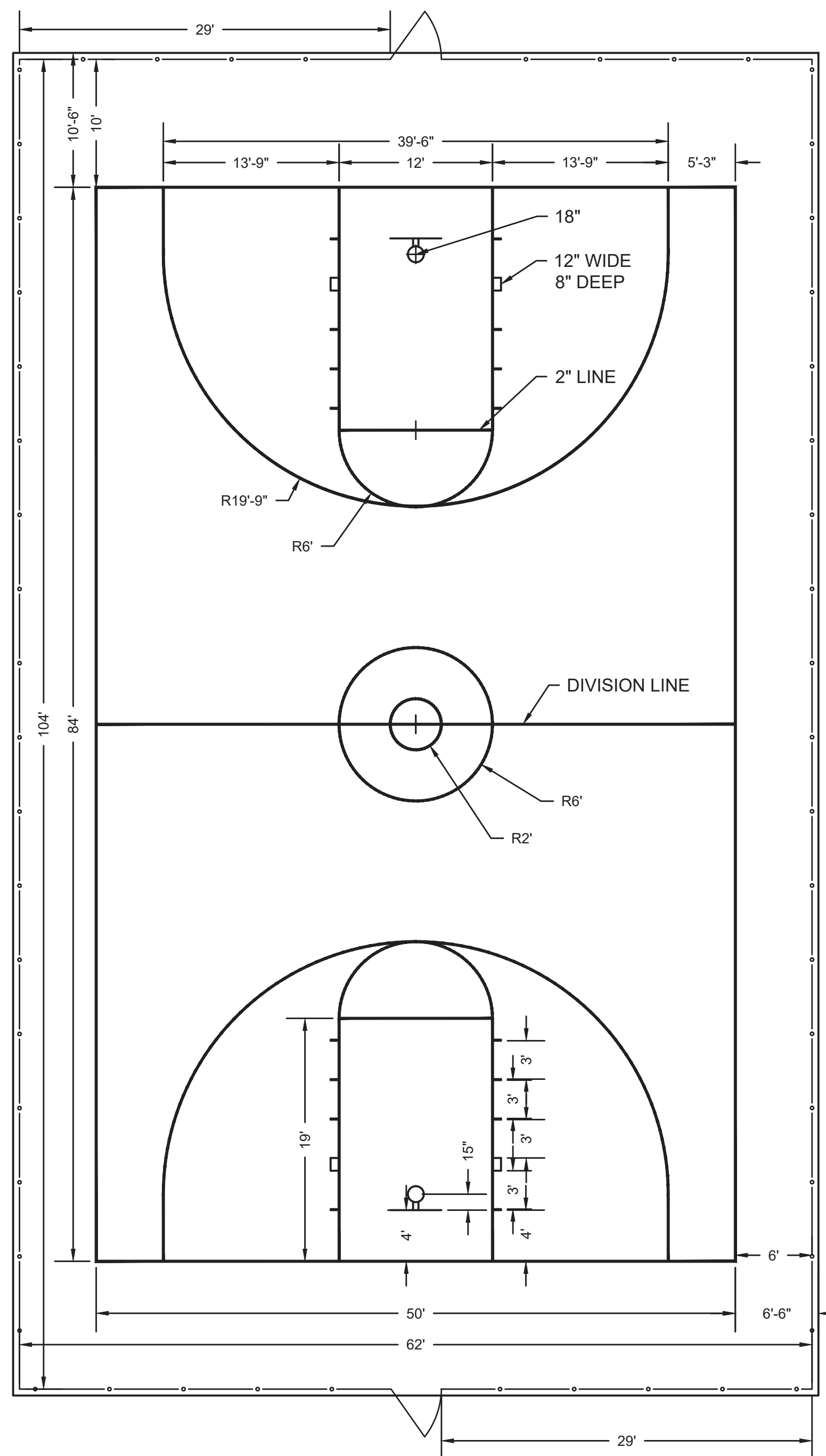
AS SHOWN

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**Bid Set**

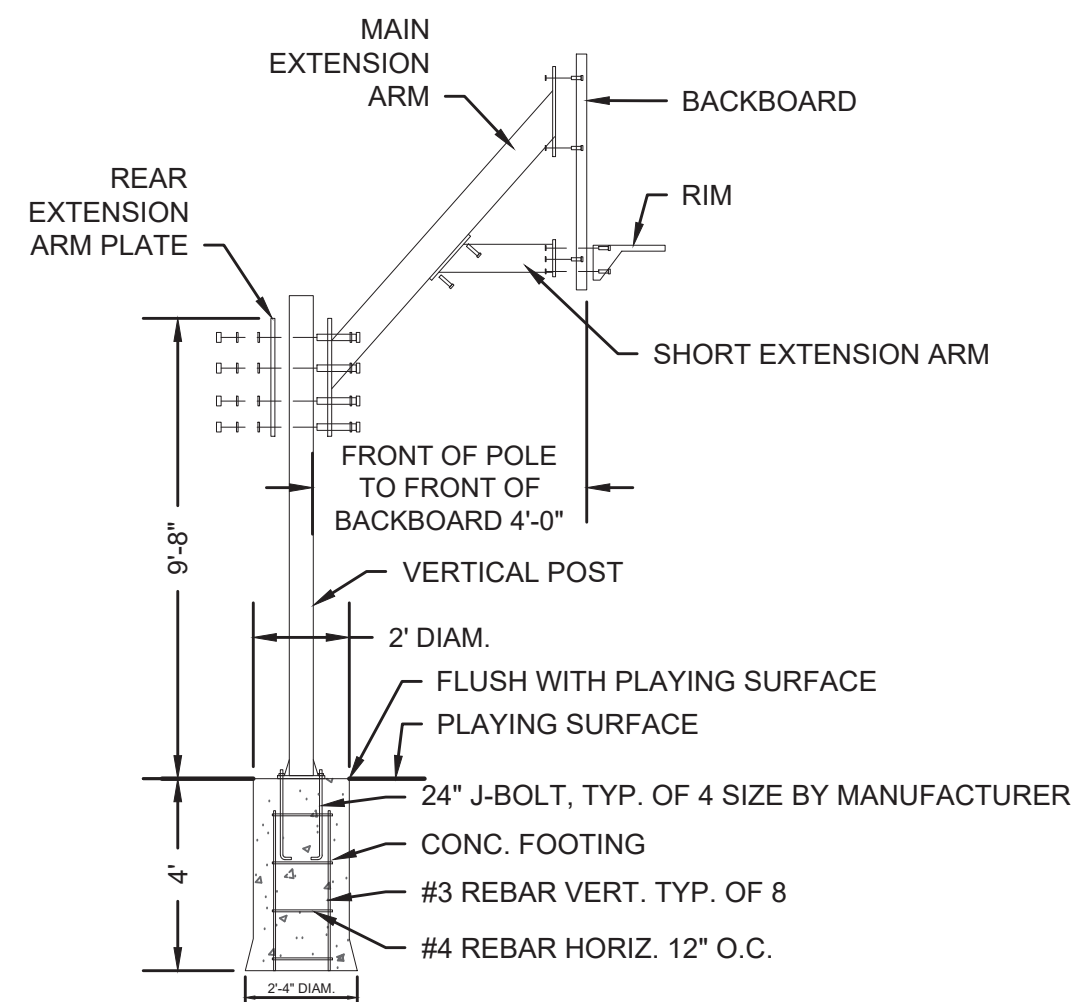
SHEET NO.

LG9.1

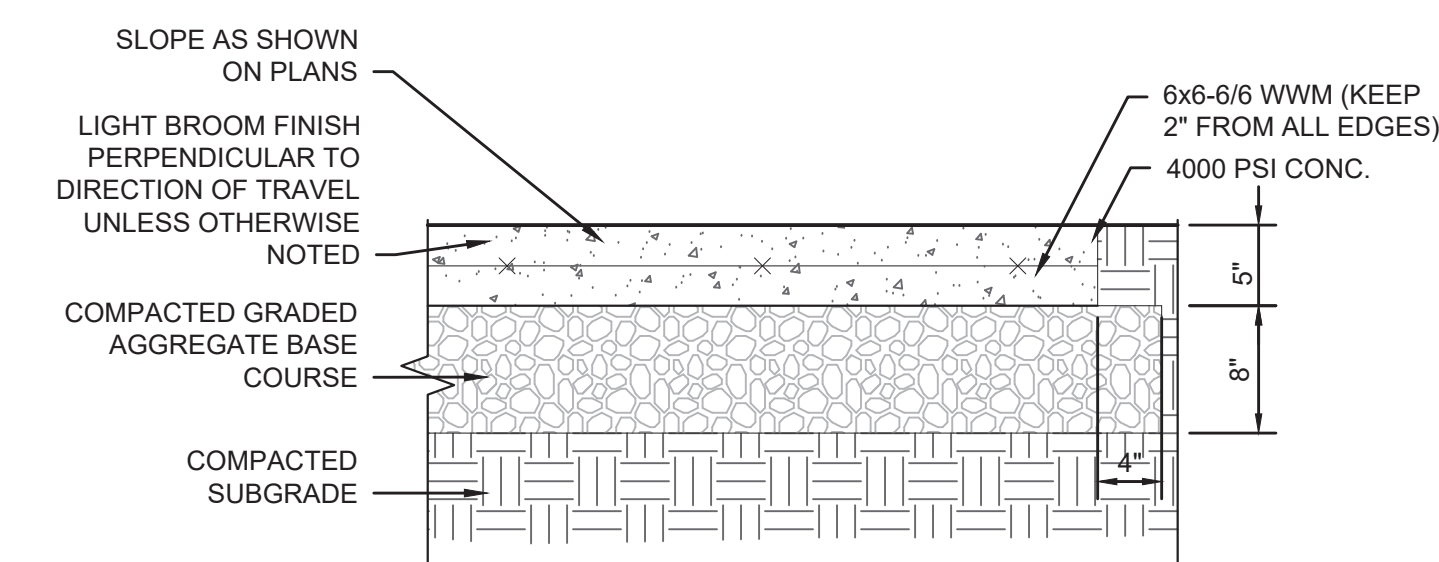
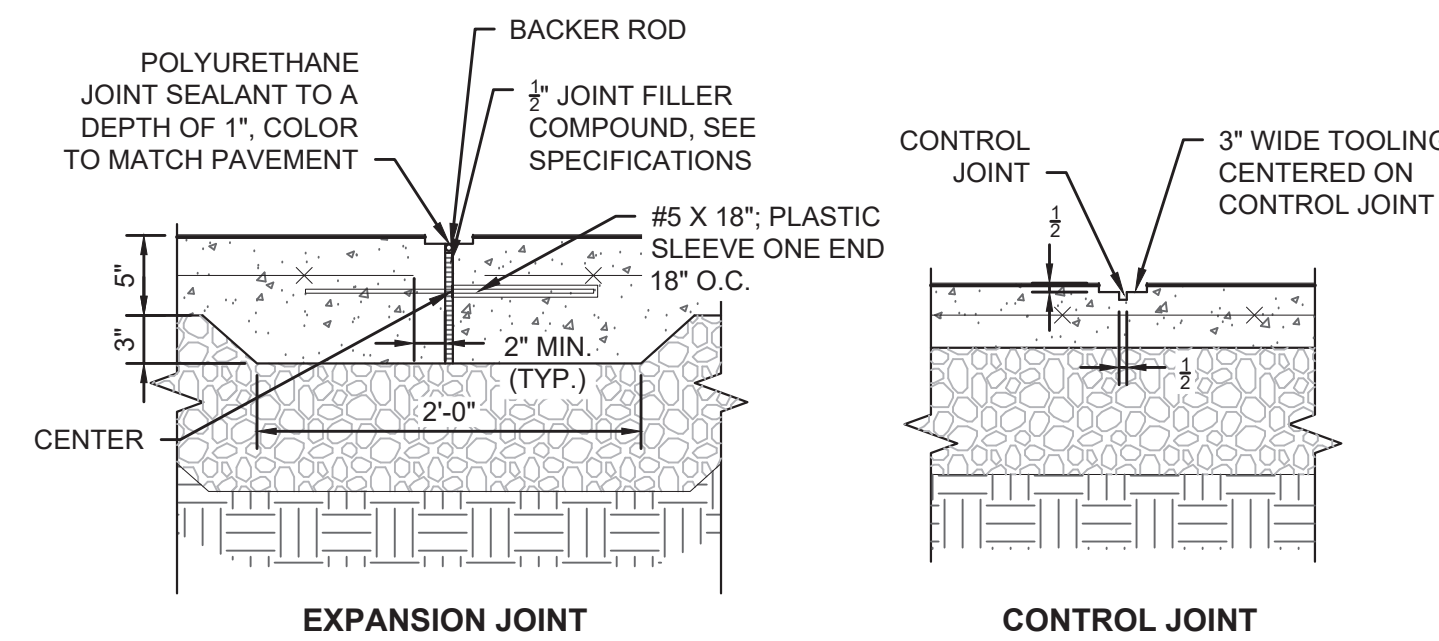


- NOTES:
- CENTER BASKETBALL COURT WITHIN FENCED AREA.
  - UNLESS OTHERWISE SPECIFIED, THE LAYOUT AND DIMENSIONS OF ALL COURTS ARE SYMMETRICAL AROUND THE CENTER LINES
  - ALLOW A MINIMUM OF 6' FROM SIDELINE TO FENCE AND 10' FROM OUTSIDE SIDELINES TO FENCE AND GATES
  - FENCE FABRIC IS PLACED ON INSIDE OF POST (SIDE WITH COURT), WITH FABRIC FRAMING COURT
  - ALL LINES SHALL BE 2" WIDE (NEUTRAL ZONES EXCLUDED); END LINES AND SIDELINES SHALL BE A MIN. OF 2" IN WIDTH

**BASKETBALL COURT**  
SCALE: 3/8"=1'

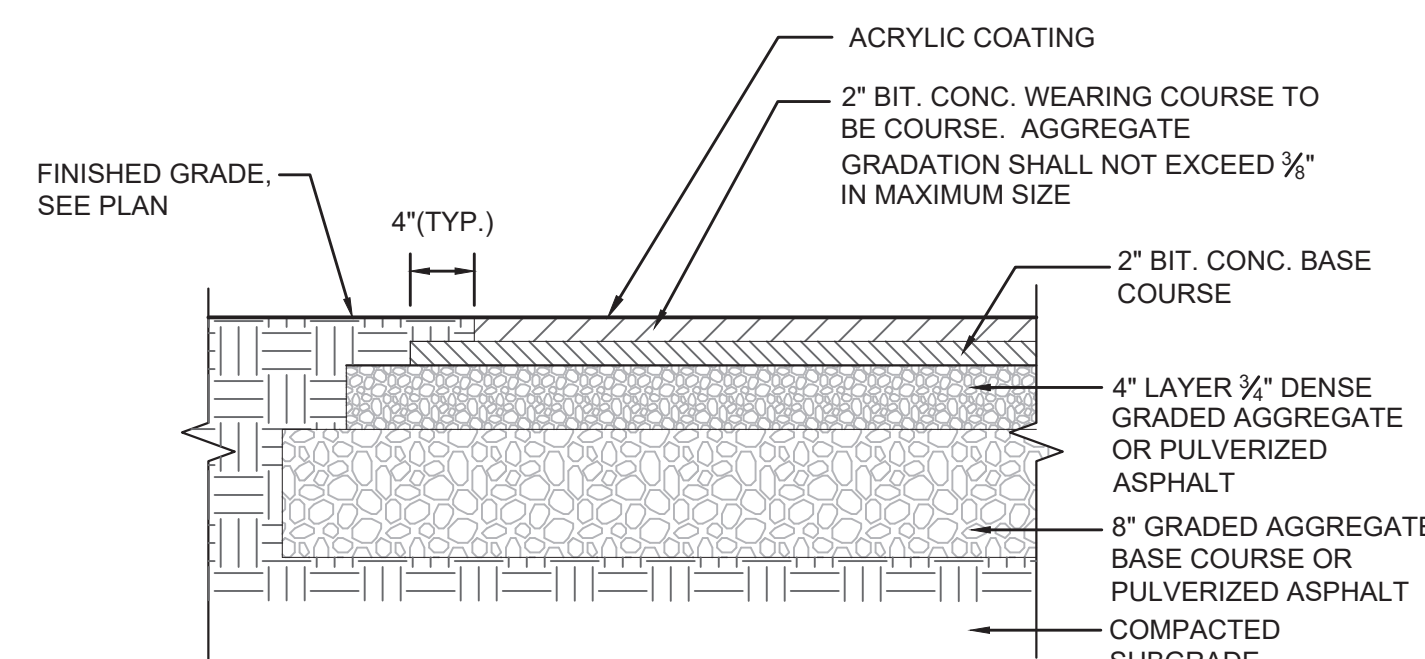


**BASKETBALL HOOP**  
SCALE: NOT TO SCALE

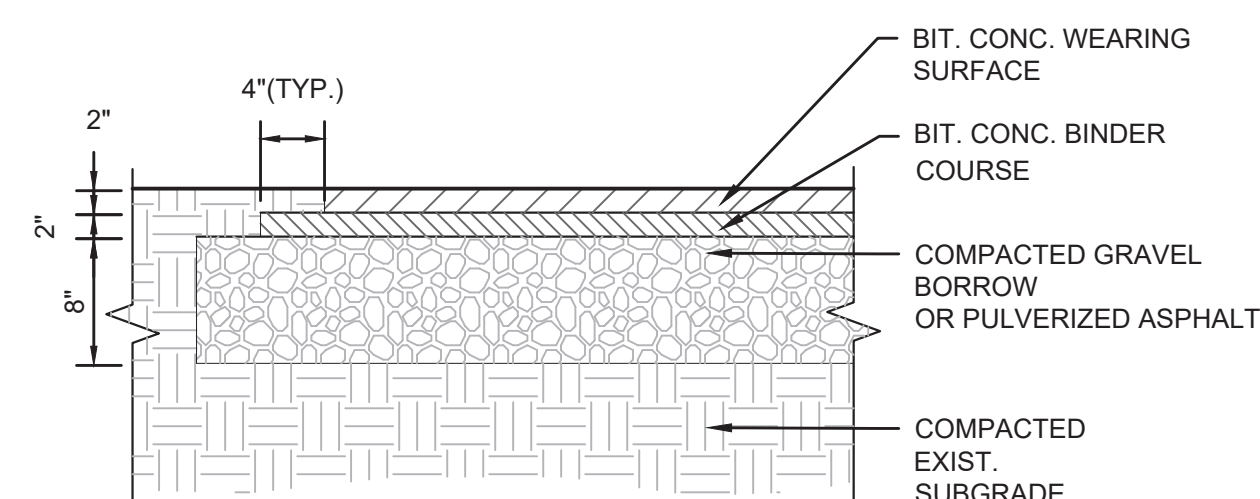


- NOTES:
- EXPANSION JOINTS SHALL BE 20' O.C. UNLESS OTHERWISE NOTED ON THE PLANS.
  - CONTROL JOINTS SHALL BE 5' O.C. UNLESS OTHERWISE NOTED ON THE PLANS.

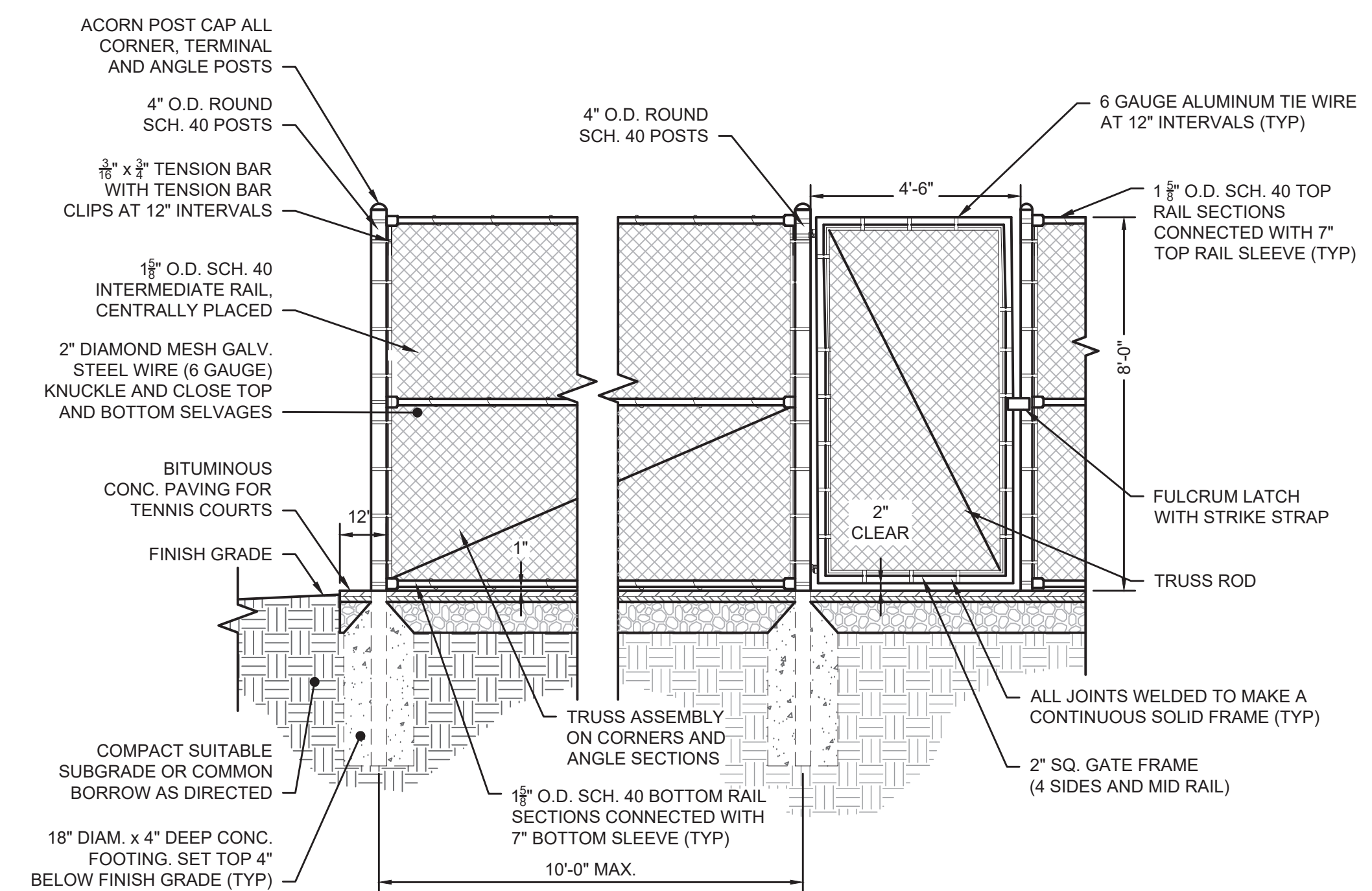
**CONCRETE PAVING**  
SCALE: 1"=1'



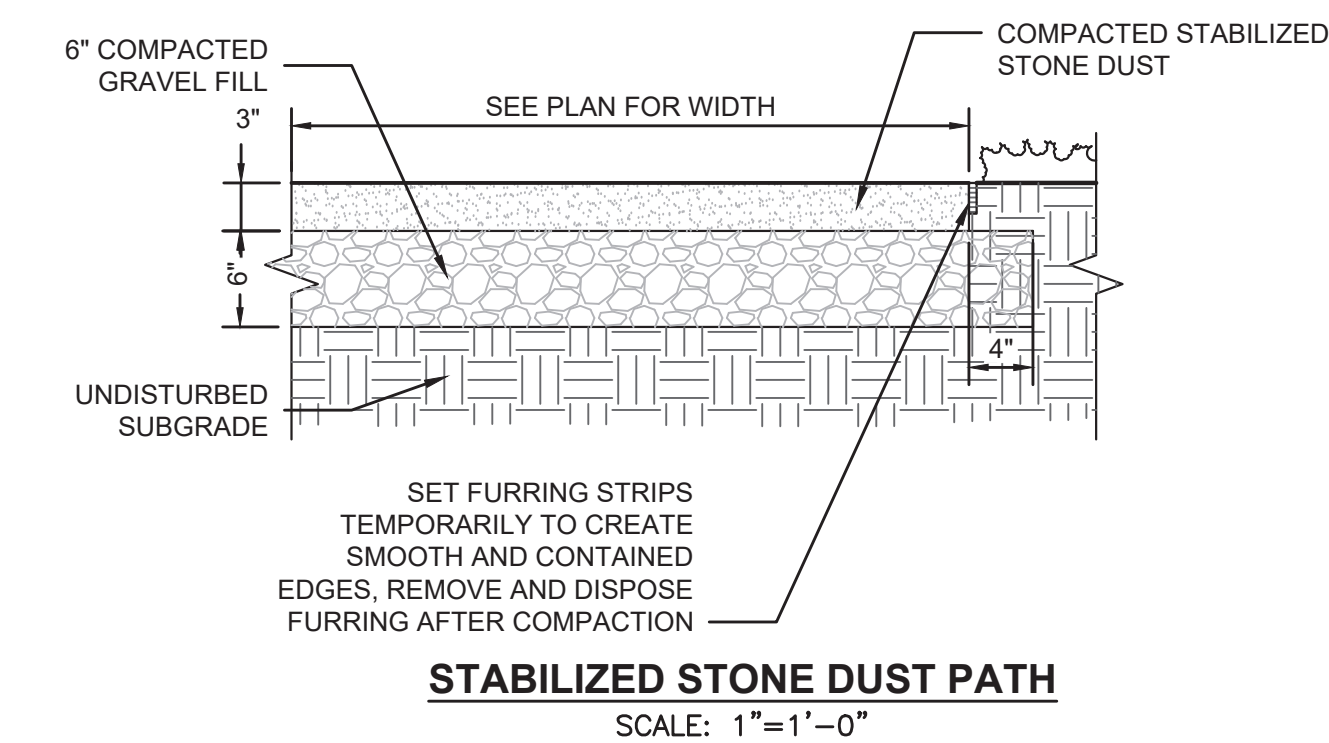
**BITUMINOUS ASPHALT PAVING AT BASKETBALL COURTS**  
SCALE: 1"=1'



**BITUMINOUS ASPHALT PATHWAY**  
SCALE: 1"=1'



**8' HIGH BLACK VINYL CHAIN LINK FENCE @ BASKETBALL COURT**  
SCALE: 3/8"=1'



**STABILIZED STONE DUST PATH**  
SCALE: 1"=1'-0"

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