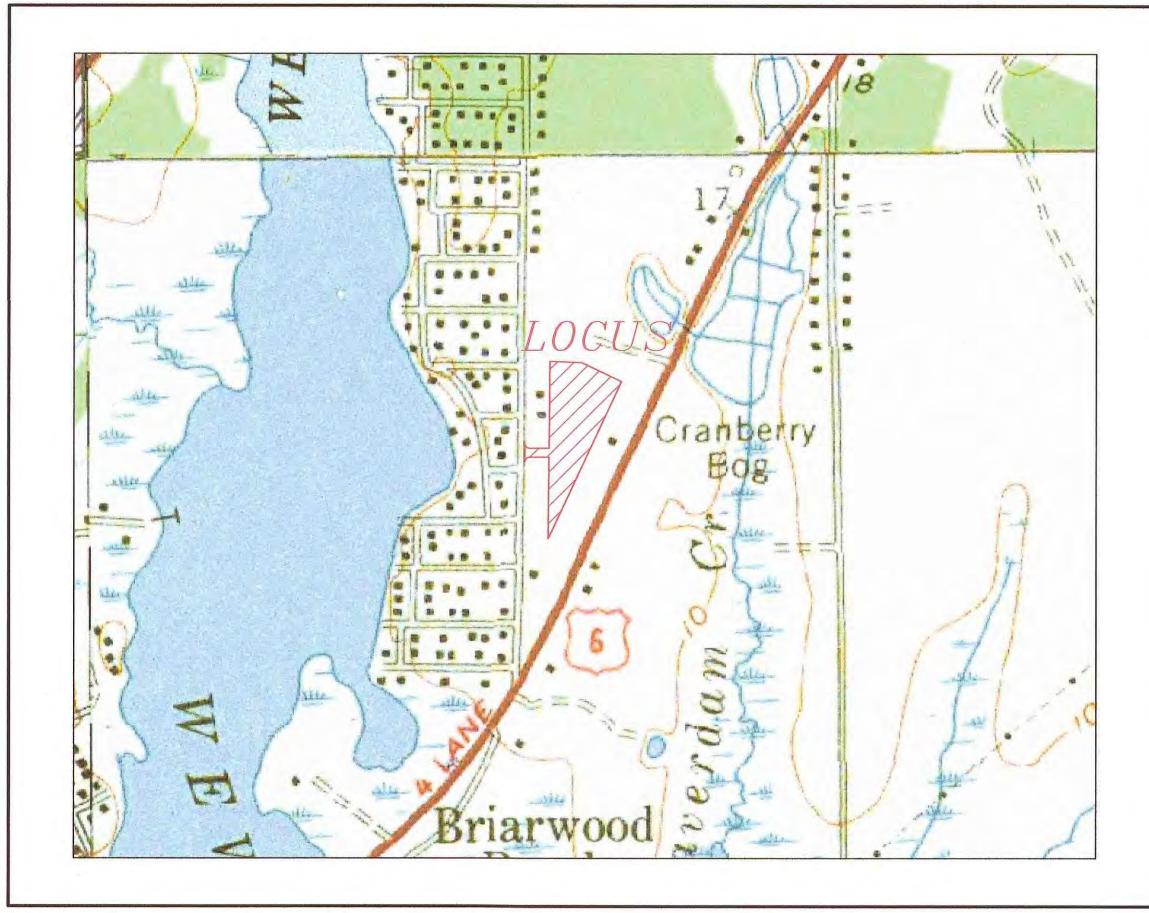
# PHILIP LUKEY WEWEANTIC PLAYGROUND

# SITE DEVELOPMENT PLAN HATHAWAY STREET WAREHAM, MASSACHUSETTS

OWNER: TOWN OF WAREHAM 54 MARION ROAD WAREHAM, MA 02571



- U.S.G.S. LOCUS PLAN -

SCALE: 1"= 1000'

SITE DATA

ZONING DISTRICT: MR-30 ASSESSOR'S MAP: ASSESSOR'S LOTS: REQUIRED LOT AREA: SIDE SETBACK: REAR SETBACK: MAX. BUILDING HEIGHT (FEET): MAX. IMPERVIOUS SURFACE: NR WATER SUPPLY: NA SANITARY SEWER: NA



G.A.F. ENGINEERING, INC. PROFESSIONAL ENGINEERS & LAND SURVEYORS 266 MAIN STREET, WAREHAM, MA 02571

TEL: (508) 295-6600 FAX: (508) 295-6634 E-MAIL: gaf@gaf-eng.com

AUGUST 10, 2017

APPLICANT:

TOWN OF WAREHAM 54 MARION ROAD WAREHAM, MA 02571



- MASSGIS ORTHOPHOTO -

SCALE: 1"= 1000'

PARKING DATA

PER ARTICLE 9 SECTION 912 OF THE TOWN OF WAREHAM ZONING BYLAWS: "THE NUMBER OF PARKING SPACES REQUIRED FOR ANY USE NOT LISTED IN A CATEGORY ABOVE SHALL BE DETERMINED BY THE BUILDING INSPECTOR. PARKING SPACES PROVIDED=9

## FLOOD ZONE DATA

THE LOCUS IS LOCATED MOSTLY IN ZONE AE-14 AND A SMALL PORTION IN ZONE X AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP (FIRM) PLYMOUTH COUNTY, MASSACHUSETTS MAP NUMBERS 25023C0576K, DATED FEBRUARY 5, 2014

### PLAN INDEX:

SHEET NO. 1 OF 5 2 OF 5

3 OF 5

4 OF 5

5 OF 5

**DESCRIPTION** COVER SHEET LEGEND & NOTES EX. CONDITIONS/DEMOLITION PLAN PROPOSED CONDITIONS PLAN

DETAIL SHEET

THE PURPOSE OF THIS PLAN IS TO OBTAIN AN ORDER OF CONDITIONS FROM THE TOWN OF WAREHAM CONSERVATION COMMISSION.

ALL EQUIPMENT SIZE, MATERIAL OF CONSTRUCTION AND LOCATIONS SHALL BE AS DIRECTED BY OWNER.

	DATE:AUGUST 10, 2017	DRAWN BY: JMP	CHECKED BY: RJR	JOB NO.: 17-8956	SCALE: 1" = 30'
APPROVED BY:					
APPROVED BY:	L1/01/8	WILLIAM F.	MADDEN MADDEN OWN	A TO WOOD TOWN	
	. 0	2		e,	

JOB NO.: 17-8956 DWG.

**PERMIT SET** (NOT FOR CONSTRUCTION)

### **GENERAL NOTES:**

- ALL UNDERGROUND UTILITIES SHOWN OR NOT SHOWN WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS AND IN PART FROM FIELD SURVEY AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD. BEFORE EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION, OR REPAIRING, ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE MGL CHAPTER 370, ACTS OF 1963. CONTRACTORS MUST CALL DIG-SAFE AT (811) OR (1-888-DIG-SAFE) G.A.F. ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
- EXISTING CONDITIONS INFORMATION IS BASED ON AN ON THE GROUND FIELD SURVEY BY G.A.F. ENGINEERING, INC. ON JULY 18, 2017.
- THE CONTRACTOR SHALL GIVE ALL NOTICES, COMPLY WITH ALL LAWS AND REGULATIONS, AND PAY ALL FEES ASSOCIATED WITH THE INSTALLATION OF THIS WORK.
- THE CONTRACTOR SHALL FIELD VERIFY, PRIOR TO CONSTRUCTION ALL EXISTING UNDERGROUND UTILITY LOCATIONS AND POINTS OF INTERCONNECTION.
- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, SUPERVISION, TOOLS, EQUIPMENT, FUEL, POWER, SANITARY FACILITIES AND INCIDENTALS NECESSARY FOR THE FURNISHING, PERFORMANCE, TESTING, START-UP AND COMPLETION OF THIS WORK.

### CONSTRUCTION NOTES

- IN GENERAL, THE PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY FITTING. CHANGE IN DIRECTION OR DETAIL OF CONSTRUCTION.
- THE LOCATION OF UTILITIES WERE OBTAINED FROM VARIOUS SOURCES OF INFORMATION. THE EXACT LOCATION AND COMPLETENESS IS NOT GUARANTEED. THE CONTRACTOR SHALL NOTIFY DIG SAFE PRIOR TO THE START OF ANY EXCAVATION (811) OR (1-888-DIG-SAFE).
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF PERSONNEL AND PROTECTION OF PROPERTY AT THE SITE OR ADJACENT THERETO INCLUDING TREES, SHRUBS, LAWNS, PAVEMENTS, ROADWAYS, STRUCTURES AND UNDERGROUND UTILITIES NOT DESIGNATED FOR REMOVAL. RELOCATION, OR REPLACEMENT.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION REQUIRED FOR THE INSTALLATION OF THIS WORK.
- 5. ALL MATERIALS SHALL BE NEW AND FREE FROM DEFECTS AND OF GOOD QUALITY.
- THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL AND OTHER DEBRIS RESULTING FROM THIS WORK.
- 7. ALL PAVEMENT MARKINGS DISTURBED BY CONSTRUCTION SHALL BE RESTORED AS PART OF THIS WORK.
- 8. THE CONTRACTOR SHALL INSTITUTE ALL SAFETY MEASURES NECESSARY TO PROTECT THE PUBLIC SAFETY. THIS SHALL INCLUDE, BUT NOT LIMITED TO, BARRICADES, SIGNS, LIGHTING, FENCES, POLICE DETAILS, AND ANY OTHER MEANS AS DIRECTED. NO TRENCHES ARE TO REMAIN OPEN OVERNIGHT.
- 9. ELEVATIONS ARE IN FEET AND TENTHS AND ARE BASED ON THE DATUM OF NAVD88.
- 10. SIDE SLOPE GRADING SHALL BE AS NOTED ON THE SITE PLANS.
- 11. ALL SIDE SLOPES SHALL BE DRESSED WITH 4 INCHES OF TOPSOIL, WHERE SIDE SLOPES EXCEED 3:1, PROVIDE AN EROSION CONTROL BLANKET OVER THE PLANTED SEED BED. SEE DETAIL IF APPLICABLE.
- 12. PERMANENT SEEDING (BEFORE SEPTEMBER 15) LIME TO PH OF 6.5 ACCORDING TO SOIL TEST OR APPLY AT THE RATE OF 100 TO 150 LBS. PER 1,000 SQUARE FEET. APPLY 10-20-20 FERTILIZER AT 1,000 LBS. PER ACRE. INCORPORATE LIME AND FERTILIZER IN TOP 4 INCHES OF SOIL. SEED 100 LBS. PER ACRE OF THE FOLLOWING SEED MIX.

PURE PERCENT CREEPING RED FESCUE 30-35% PERENNIAL RYEGRASS 20-25% KENTUCKY BLUEGRASS 10-15% ANNUAL RYEGRASS

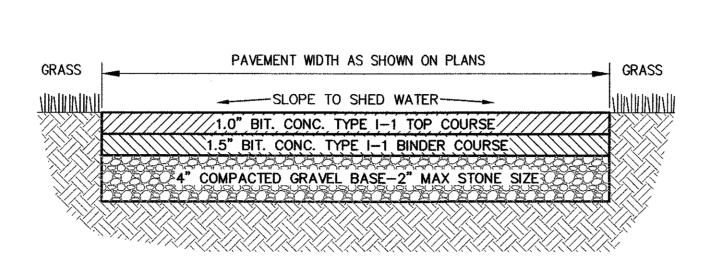
HYDRO SEEDING IS AN ALTERNATIVE FOR THIS APPLICATION. A MIXTURE OF SEED WATER AND MULCH IS SPRAYED ON THE SEED BED COMBINING THREE (3) SEPARATE ACTIONS INTO ONE (1) OPERATION

- 13. ALL METHODS AND MATERIALS SHALL CONFORM WITH MassDOT STANDARDS AND THE REQUIREMENTS OF THE TOWN OF WAREHAM MUNICIPAL MAINTENANCE DEPARTMENT.
- 14. ALL UTILITY INSTALLATIONS TO BE IN CONFORMANCE WITH ALL APPLICABLE TOWN, STATE AND FEDERAL REQUIREMENTS & REGULATIONS.
- 15. ALL AREAS THAT ARE NOT LANDSCAPED SHALL BE LOAMED AND SEEDED.

## **EROSION CONTROL NOTES:**

- THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE, SILT WILL NOT BE ALLOWED BEYOND CONSTRUCTION LIMITS. ADDITIONAL PROTECTION: ON-SITE PROTECTION MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS OR ACCIDENTS.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE SUFFICIENT EROSION AND SEDIMENT CONTROL, ADDITIONAL CONTROL MEASURES SHALL BE IMPLEMENTED. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING EROSION CONTROL DEVICES WHICH BECOME INEFFECTIVE.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR ALL GRADING AND OTHER LAND DISTURBING ACTIVITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT WHICH ESCAPES FROM THE SITE.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL MEASURES AFTER CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY FINES LEVIED AGAINST THE SITE FOR VIOLATIONS OF EROSION CONTROL REGULATIONS.
- CONTRACTOR SHALL PROVIDE TEMPORARY GROUND COVER FOR ALL AREAS WITH EXPOSED SOIL WHICH WILL NOT BE DISTURBED BY GRADING OPERATIONS FOR A PERIOD OF THIRTY DAYS OR MORE.
- 9. IF WORK ON THIS PROJECT IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES IN GOOD CONDITION DURING THE SUSPENSION
- 10. SPRINKLE OR APPLY DUST SUPPRESSERS TO MINIMIZE DUST AT THE CONSTRUCTION SITE. MAINTAIN DUST CONTROL MEASURES UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- 11. THE CONTRACTOR WILL ALSO NEED TO COMPLY TO ANY ORDER OF CONDITIONS THAT MAY BE ISSUED BY THE TOWN OF WAREHAM CONSERVATION COMMISSION.

PERMIT SET (NOT FOR CONSTRUCTION)



- ALL PAVEMENT SHALL BE IN ACCORDANCE WITH MHD SECTION 460 & 401, UNLESS OTHERWISE NOTED.
- 2. GRAVEL BASE SHALL CONFORM TO MHD M1.03.0 TYPE C.
- SUBGRADE & BASE SHALL BE COMPACTED TO MINIMUM 95% MAXIMUM DRY DENSITY.

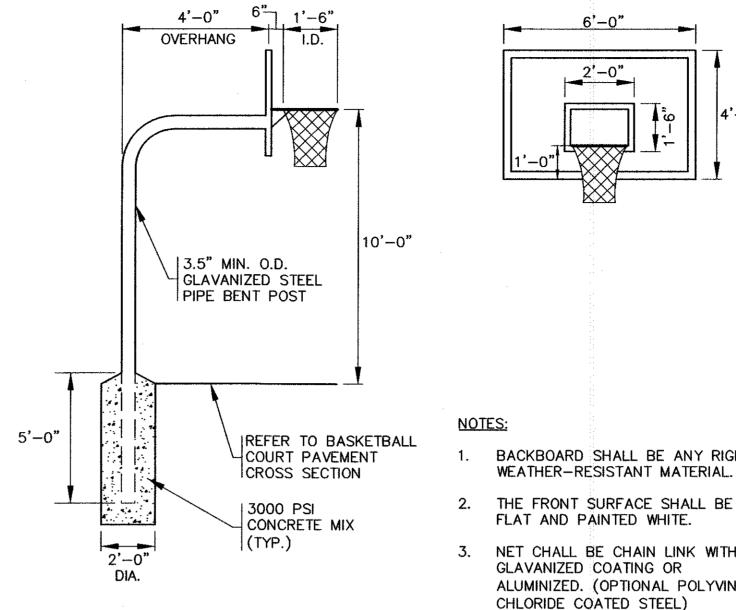
## BASKETBALL COURT PAVEMENT SECTION

INEUTRAL ZONE MARKS

12" WIDE x 8" DEEP

(TYP.)

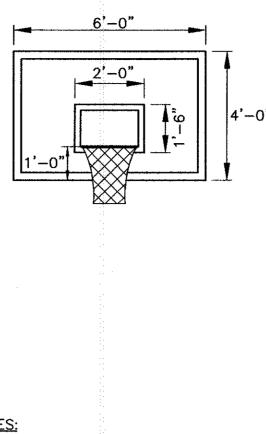
4' 3' 3' 3' 3'



THREE POINT LINE!

CENTER OF BASKET!

R=23'-9" FROM



BACKBOARD SHALL BE ANY RIGID WEATHER-RESISTANT MATERIAL.

NET CHALL BE CHAIN LINK WITH GLAVANIZED COATING OR ALUMINIZED. (OPTIONAL POLYVINYL

BACKBOARD LAYOUT

LANE SPACE MARKS 2"

 $\square$  WIDE  $\times$  8" DEEP (TYP.)

BACKBOARD AND

RIM (TYP.)

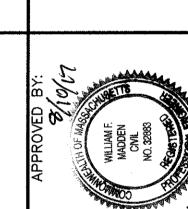
#### APPROX. APPROXIMATE BIT CONC BITUMINOUS CONCRETE BOTTOM OF CURB BORDERING VEGETATED WETLANDS BVW **BLDRS** BOULDERS CATCH BASIN CB CONCRETE BOUND/DRILL HOLE CAPE COD BERM CEMENT LINED DUCTILE IRON DIA DIAMETER DRAIN MANHOLE DMH $\mathsf{DH}$ DRILL HOLE ELECTRIC ELEV, EL **ELEVATION** EDGE OF PAVEMENT EOP ΕX **EXISTING FES** FLARED END SECTION FIRE PROTECTION FOUND **HYDRANT** HANDICAP PARKING INV INVERT MAX MAXIMUM MAILBOX MED MEDIUM MIN MINIMUM MHB MASSACHUSETTS HIGHWAY BOUND NTS NOT TO SCALE NOW OR FORMERLY OVERHEAD WIRE PRECAST CONCRETE CURB POLYVINYL CHLORIDE PIPE **PVMT** PAVEMENT RCP REINFORCED CONCRETE PIPING RADIUS SB STONE BOUND STONE BOUND/DRILL HOLE SEWER SGE SLOPED GRANITE EDGING SMH SEWER MANHOLE STA STATION TOP OF CURB TYPICAL UP UTILITY POLE UE UNDERGROUND ELECTIC WATER WATER GATE, WATER VALVE WG,WV VTR VENT THROUGH ROOF GW GARAGE WASTE GARAGE VENT G۷ FD FLOOR DRAIN PROP. PROPOSED CAST IRON DCS RD DRAINAGE CONTROL STRUCTURE ROOF DRAIN

**LEGEND** 

**ABBREVIATIONS** 

ADS

ASBESTIC CONCRETE ADVANCED DRAINAGE SYSTEM



**PROPOSED** 

黨黨

JGUST

CONTOURS x 80.12 80x5 SPOT GRADES F.E.M.A. FLOOD ZONE CATCH BASIN (CB) DRAIN MANHOLE (DMH) ELECTRIC MANHOLE (EMH) OVERHEAD WIRES ----- OHW -----UTILITY POLE ტ-ტ GUY POLE **-**( -(3) WATER GATE VALVE WATER SHUTOFF/CURB STOP UNDERGROUND UTILITIES ——UE—— ELECTRIC LINE **FENCE** 

**EXISTING** 

BOUND TEST PIT/PERC TEST SILT FENCE LIGHT POLES WALL MOUNTED LIGHT FLARED END SECTION

50' NO ACTIVITY ZONE 100' WETLAND BUFFER ZONE SEWER MANHOLE (SMH)

ROOF DRAIN LINE

IT PL/ OTES OPM 石口 DE GE BO

JOB NO.: 17-8956

THE COLOR OF THE LANE SPACE MARKS AND NEUTRAL ZONE MARKS SHALL CONTRAST WITH THE COLOR OF THE BOUNDING LINES.

THREE POINT LINE

**ICENTER OF BASKET** 

R=23'-9" FROM

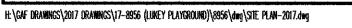
THE MIDCOURT MAKRS SHALL BE THE SAME COLOR AS THE BOUNDING LINES.

ALL LINES SHALL BE 2" WIDE (NEUTRAL ZONE EXCLUDED)

ALL LINE MARKINGS SHALL BE ACRYLIC WATER BASE PAINT ONLY. OIL BASE OR TRAFFICE PAINS CRACK, CRAZE, OR PEEL. SPRAY PAINTING USUALLY IS USED.

BASKETBALL COURT LAYOUT

ALL DIMENSIONS ARE TO THE INSIDE EDGE OF LINES EXCEPT NOTED.



OF WORK.

