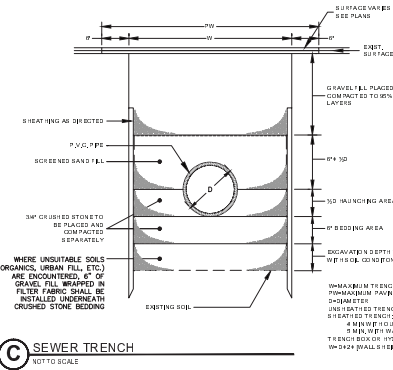


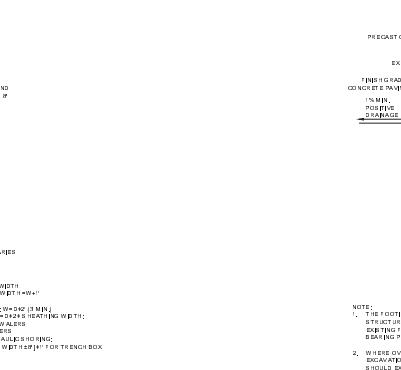
A WATER SERVICE CONNECTION
NOT TO SCALE

NOTE:
1. AS SHOWN, A CONDUIT IS REQUIRED TO BE PLACED OVER THE MAIN AND SHALL BE PROVIDED WITH A ROADWAY BOX AT SURFACE.
2. AS SHOWN, A CONDUIT IS REQUIRED TO BE PLACED OVER THE MAIN AND SHALL BE PROVIDED WITH A ROADWAY BOX AT SURFACE.



C SEWER TRENCH
NOT TO SCALE

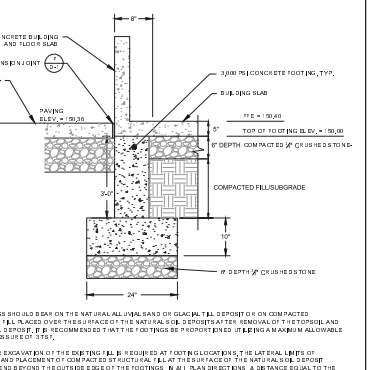
WHERE UNSTABLE SOILS (ORGANIC, URBAN FILL, ETC.) ARE ENCOUNTERED, 6\"/>



D FIELD UNDERDRAIN SYSTEM
NOT TO SCALE

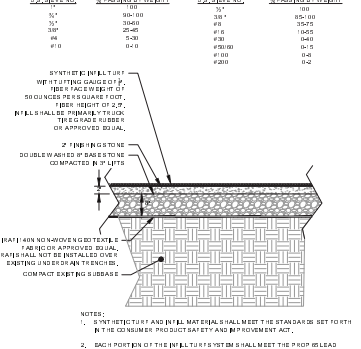
DOUBLE LAYERED BASE STONE PROCESSED FOR SYNTHETIC TURF SYSTEM SHALL BE AVAILABLE STONE PROCESSED FROM A STONE QUARRY, WASHED, GRADED, FREE OF ORGANIC MATERIALS, GRADED #200 AS FOLLOWS:

U.S. SIEVE NO.	% PASSING BY WEIGHT	U.S. SIEVE NO.	% PASSING BY WEIGHT
10	100	30	85-100
20	100	40	50-75
30	95	60	10-15
40	85	80	5-10
60	50	100	0-5



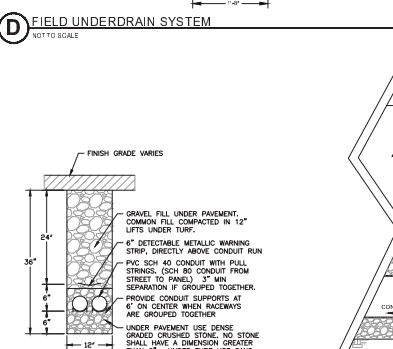
G BUILDING FOUNDATION
SCALE: N.T.S.

NOTE:
1. THE FOOTINGS SHOULD BE PLACED ON THE NATURAL ALLUVIAL SAND OR GRAVEL. ALL DEPOSIT OF OR ON COMPACTED STRUCTURAL FILL PLACED OVER THE SURFACE OF THE NATURAL SOILS SHOULD BE REMOVED. THE TOP SOIL AND EXISTING FILL DEPTH, IF RECOMMENDED THAT THE FOOTINGS BE POSITIONED IN SPECIFIC ALLOWABLE BEARING PRESSURE OF 3 T.S.F.
2. WHERE OVER EXCAVATION OF THE EXISTING FILL IS REQUIRED AT FOOTING LOCATIONS, THE LATERAL LAYERS OF SOILS SHOULD BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL AT THE SURFACE OF THE NATURAL SOILS. DEPTH SHOULD BE NOTED IN THE EXISTING FILL REPORT. IN ALL PLAN VIEWS, A DISTANCE EQUAL TO THE THICKNESS OF THE STRUCTURAL FILL SHOULD BE INDICATED FROM THE FOOTING TO THE EXISTING FILL.
3. STRUCTURAL FILL SHOULD CONSIST OF SUPERIOR GRADED CONCRETE FILL OR AN EQUIVALENT, NATURAL SAND AND GRAVEL CONTAINING LESS THAN 10 PERCENT FINES. FINES SHOULD BE ALL BUT 20 MICRON FILL PLACED FOR SUPPORT OF THE PROPOSED FOOTINGS AND THAT FILL SHOULD BE PLACED IN LIFTS HAVING A COMPACTED THICKNESS OF 6 INCHES OR LESS AND BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM REQUIRED FOOTING SPECIFIC PLACEMENT AND COMPACTED OF ALL FILL MATERIALS FOR SUPPORT OF THE PROPOSED FOOTINGS SHOULD BE NO MORE THAN 4\"/>



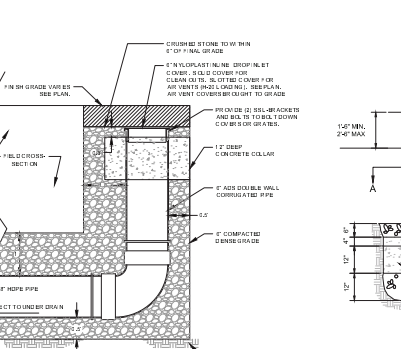
B SYNTHETIC TURF FIELD
NOT TO SCALE

NOTE:
1. SYNTHETIC TURF AND INFILL MATERIALS SHALL MEET THE STANDARD SET FORTH BY THE CONSUMER PRODUCT SAFETY AND IMPROVEMENT ACT.
2. BACK PARTS OF THE INFILL TURF SYSTEM SHALL MEET THE PROPOSED RELEASED CONTENT EQUIPMENT IN CALIFORNIA.



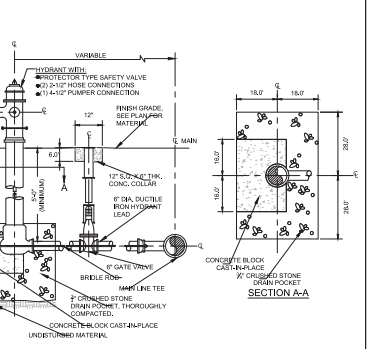
E ELECTRICAL CONDUIT
SCALE: N.T.S.

GRAVEL FILL UNDER PAVEMENT, COMMON FILL COMPACTED IN 12\"/>



F UNDERDRAIN CLEANOUT
SCALE: N.T.S.

UNDER PAVEMENT USE DENSE GRADED CRUSHED STONE, NO STONE SHALL HAVE A DIMENSION GREATER THAN 2\"/>



H FIRE HYDRANT
SCALE: N.T.S.

CONCRETE BLOCK CAST-IN-PLACE UNDERDRAIN MATERIAL.

	DESIGN BY: CRM	PLAN FILE:	CLIENT:	PROJECT FILE:		SCALE:	DRAWING NUMBER:
	DRAWN BY: THW	DETAILS	TOWN OF NORTH ANDOVER TOWN HALL 120 MAIN STREET NORTH ANDOVER, MA 01845	RECREATION COMPLEX 495 MAIN STREET NORTH ANDOVER, MA		AS NOTED	D-9
	CHECK BY: CRM	DATE	DATE	DATE		12-20-18	WJD PROJECT NO: 1573