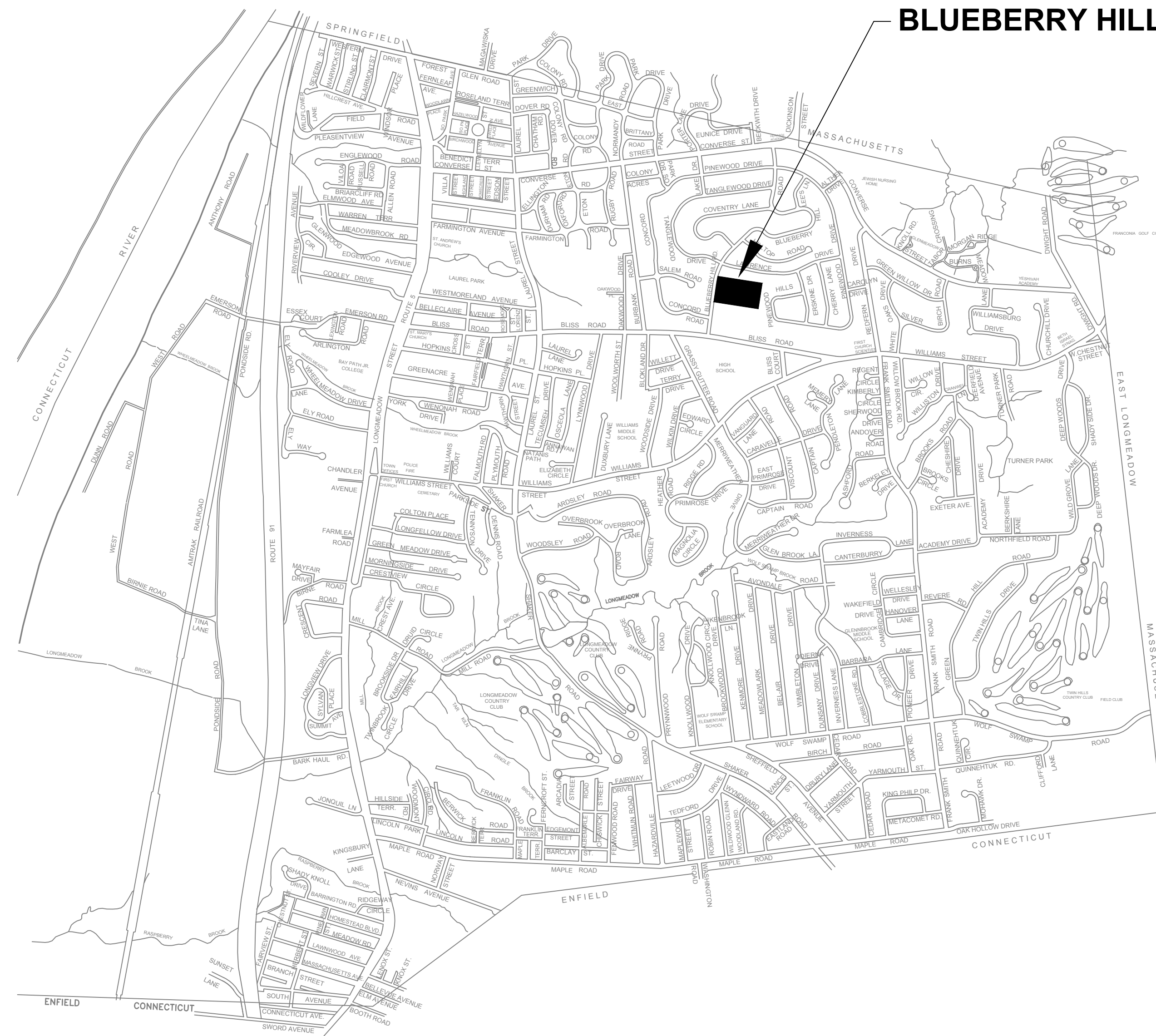


TOWN OF LONGMEADOW, MASSACHUSETTS

Plan of

BLUEBERRY HILL SCHOOL

STORM DRAIN REHABILITATION



BLUEBERRY HILL SCHOOL

SELECT BOARD
THOMAS LACHIUSA, CHAIRPERSON
MARC STRANGE, VICE CHAIR
STEVEN MARANTZ, CLERK
RICHARD FOSTER, MEMBER
MARK P. GOLD, MEMBER

TOWN MANAGER
LYN N. SIMMONS

DEPARTMENT OF PUBLIC WORKS
GEOFF MCALMOND, DIRECTOR
TIMOTHY KEANE, P.E., LSP TOWN ENGINEER
CRAIG MARKHAM, ASSISTANT TOWN ENGINEER

INDEX

SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	CONSTRUCTION PLANS
4	DETAILS

LOCUS MAP
 Not To Scale

**Longmeadow
 Engineering
 Department**

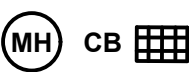
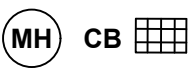
















COMPLETE SET 4 SHEETS

GENERAL NOTES

- EXISTING UTILITY LOCATIONS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHOD WHERE REQUIRED. SECTIONS OF PROPOSED DRAIN MAY NEED TO BE ADJUSTED BASED ON LOCATION AND DEPTH OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL REMOVE AND REPLACE FENCES, MAILBOXES, CURBING, ETC. AS NECESSARY, AND WITH THE ENGINEER'S APPROVAL. CONDITION OF REPLACED ITEMS SHALL BE EQUAL OR BETTER THAN ORIGINAL CONDITION PRIOR TO REMOVAL.
- LOCATION OF PROPOSED SERVICES IS APPROXIMATE ONLY, AND MAY BE ADJUSTED. THE CONTRACTOR SHALL ASSIST ENGINEER WITH LOCATING THE EXISTING UTILITIES.
- ALL TEST PIT WORK MUST BE COMPLETED PRIOR TO COMMENCING DRAIN MAIN CONSTRUCTION WORK BY THE CONTRACTOR. THE ENGINEER SHALL USE TEST PIT INFORMATION FOR DIRECTING THE CONTRACTOR, IN THE EVENT OF A PROPOSED CONFLICT WITH THE ACTUAL EXISTING UTILITY LOCATIONS AND/OR ELEVATIONS.
- ADJUSTMENTS TO THE PROPOSED DRAIN LAYOUT AND ELEVATIONS SHALL NOT BE CONSIDERED AS CAUSE FOR ADDITIONAL PAYMENTS. THE CONTRACTOR SHALL NOT MAKE PROPOSED DRAIN LAYOUT AND ELEVATION ADJUSTMENTS WITHOUT THE WRITTEN APPROVAL FROM THE ENGINEER.
- DE-WATERING OF THE TRENCH FOR PROPOSED STORM DRAIN, IF REQUIRED, SHALL BE PROVIDED BY THE CONTRACTOR, AND INCLUDED IN THE APPROPRIATE BID ITEMS.

LEGEND

PROPOSED DRAIN STRUCTURE	
EXISTING DRAIN STRUCTURE	
EXISTING SANITARY MANHOLE	
EXISTING WATER VALVE	
EXISTING HYDRANT	
UTILITY POLE	
TREE	
BORING LOCATION	
POLE ANCHOR	
PROPOSED DRAIN LINE	
EXISTING SEWER LINE	
EXISTING WATER LINE	
EXISTING DRAIN LINE	
DRAIN LINE TO ABANDON	
EXISTING GAS LINE	
OVERHEAD & UNDERGROUND ELEC.	

ABBREVIATIONS

ASBESTOS CEMENT	AC	MAIL BOX	MB
BITUMINOUS CONCRETE	BIT CONC	MANHOLE	MH
BOTTOM OF EXPLORATION	BOE	MECHANICAL JOINT	MJ
CAST IRON	CI	NOT IN THIS CONTRACT	NTC
CATCH BASIN	CB	NOT TO SCALE	NTS
CHAIN LINK FENCE	C/L FEN	PAVED WALK	PW
CHIMNEY	CHIM	POLYETHYLENE PIPE	PE
CLASS OF PIPE	CL	POLY-VINYL CHLORIDE	PVC
CLEANOUT	CO	PROPERTY LINE	PL
CONCRETE	CONC	PUMP STATION	P.S.
CONCRETE WALK	C	REINFORCED CONCRETE PIPE	RCP
COPPER	CU	RIGHT OF WAY	R.O.W.
CORRUGATED METAL PIPE	CMP	ROCK PILE	RP
CUT SPIKE	CS	SANITARY MANHOLE	SMH
DEBRIS	DB	STANDARD DIMENSION RATIO	SDR
DIRT PILE	DP	STATION	STA
DRAIN MANHOLE	DMH	STONE BOUND	SB
DUCTILE IRON	DI	STREET LINE	SL
EASEMENT LINE ELEVATION	EL	TEMPORARY BENCH MARK	TBM
EROSION CONTROL	EC	TELEPHONE POLE	TP
GAS GATE	GG	TRAFFIC CONTROL	TC
GATE VALVE	GV	UNDER CONSTRUCTION	UC
GEOGRAPHICAL INFORMATION SYSTEMS	GIS	UTILITY POLE	U.P.
GRANITE CURB	GR CURB	UTILITY STRUCTURE	UT
GUY WIRE	GY	UNDELINEATED WETLAND AREA	UWA
GUY POLE	GP	VITRIFIED CLAY PIPE	VC
HOUSE	HSE	WATER GATE	WG
HYDRANT	HYD	WATER SERVICE	WS
INVERT	INV	WATER TIGHT COVER	WTC
IRON PIPE	IP		

ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS

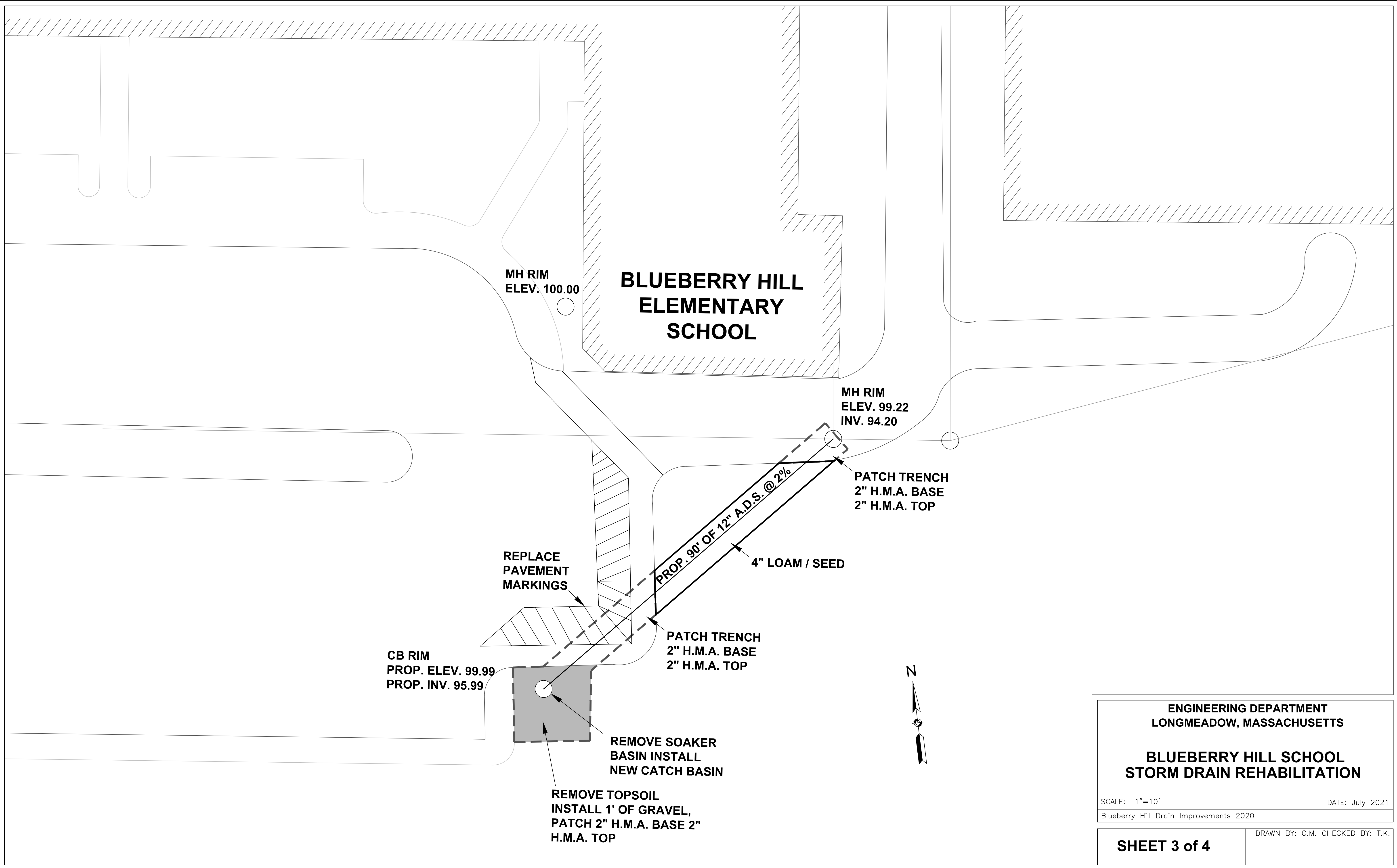
LEGEND, ABBREVIATION & GENERAL NOTES

DATE: July 2021

Blueberry Hill Drain Improvements 2020

SHEET 2 of 4

DRAWN BY: C.M. CHECKED BY: T.K.



MH RIM
ELEV. 100.00

**BLUEBERRY HILL
ELEMENTARY
SCHOOL**

MH RIM
ELEV. 99.22
INV. 94.20

PATCH TRENCH
2" H.M.A. BASE
2" H.M.A. TOP

REPLACE
PAVEMENT
MARKINGS

PROP. 90' OF 12" ADS. @ 2%

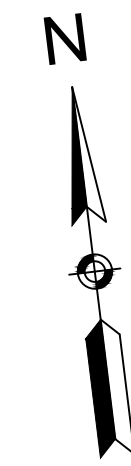
4" LOAM / SEED

CB RIM
PROP. ELEV. 99.99
PROP. INV. 95.99

PATCH TRENCH
2" H.M.A. BASE
2" H.M.A. TOP

REMOVE SOAKER
BASIN INSTALL
NEW CATCH BASIN

REMOVE TOPSOIL
INSTALL 1' OF GRAVEL,
PATCH 2" H.M.A. BASE 2"
H.M.A. TOP



ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS

**BLUEBERRY HILL SCHOOL
STORM DRAIN REHABILITATION**

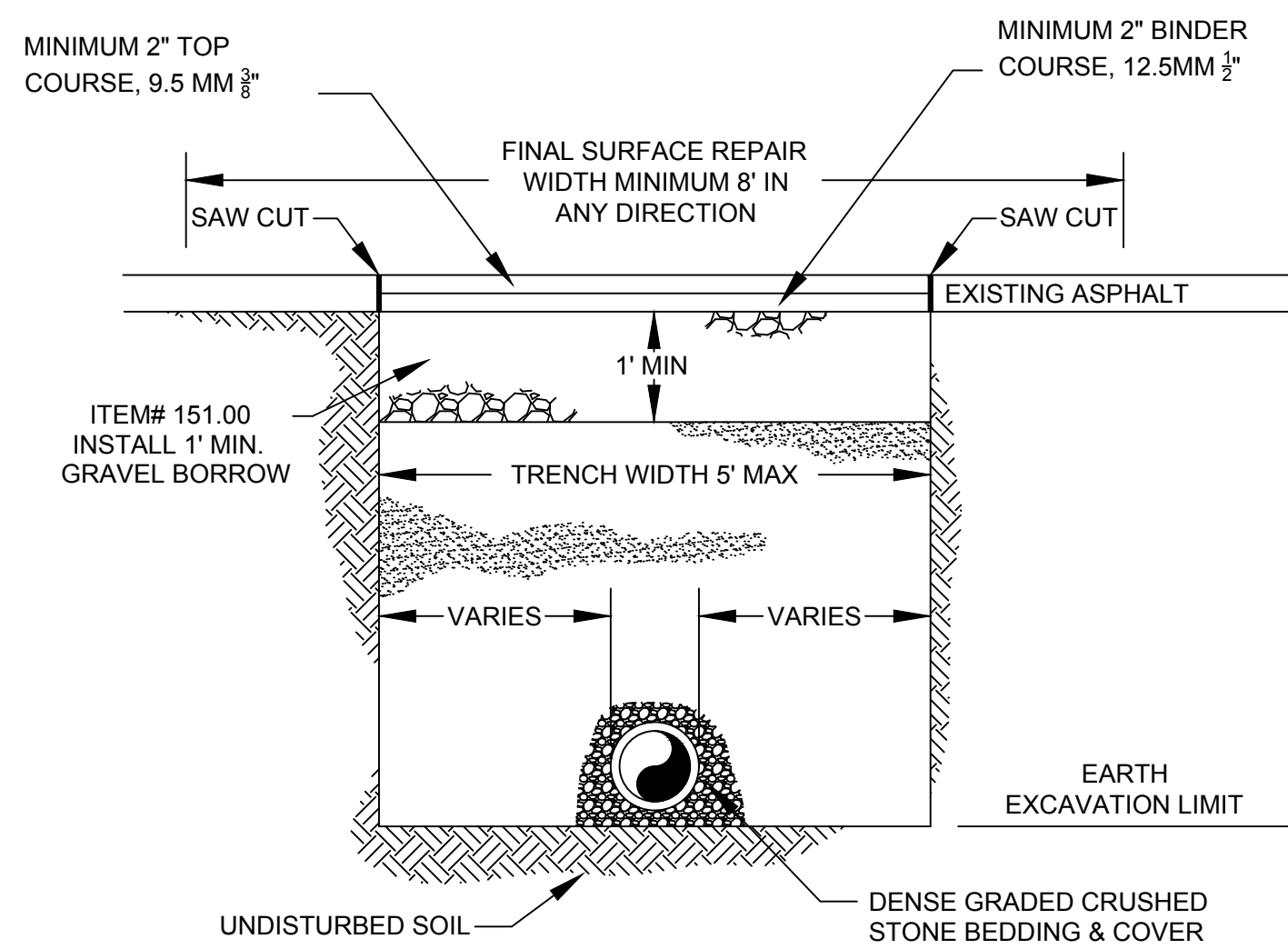
SCALE: 1"=10'

DATE: July 2021

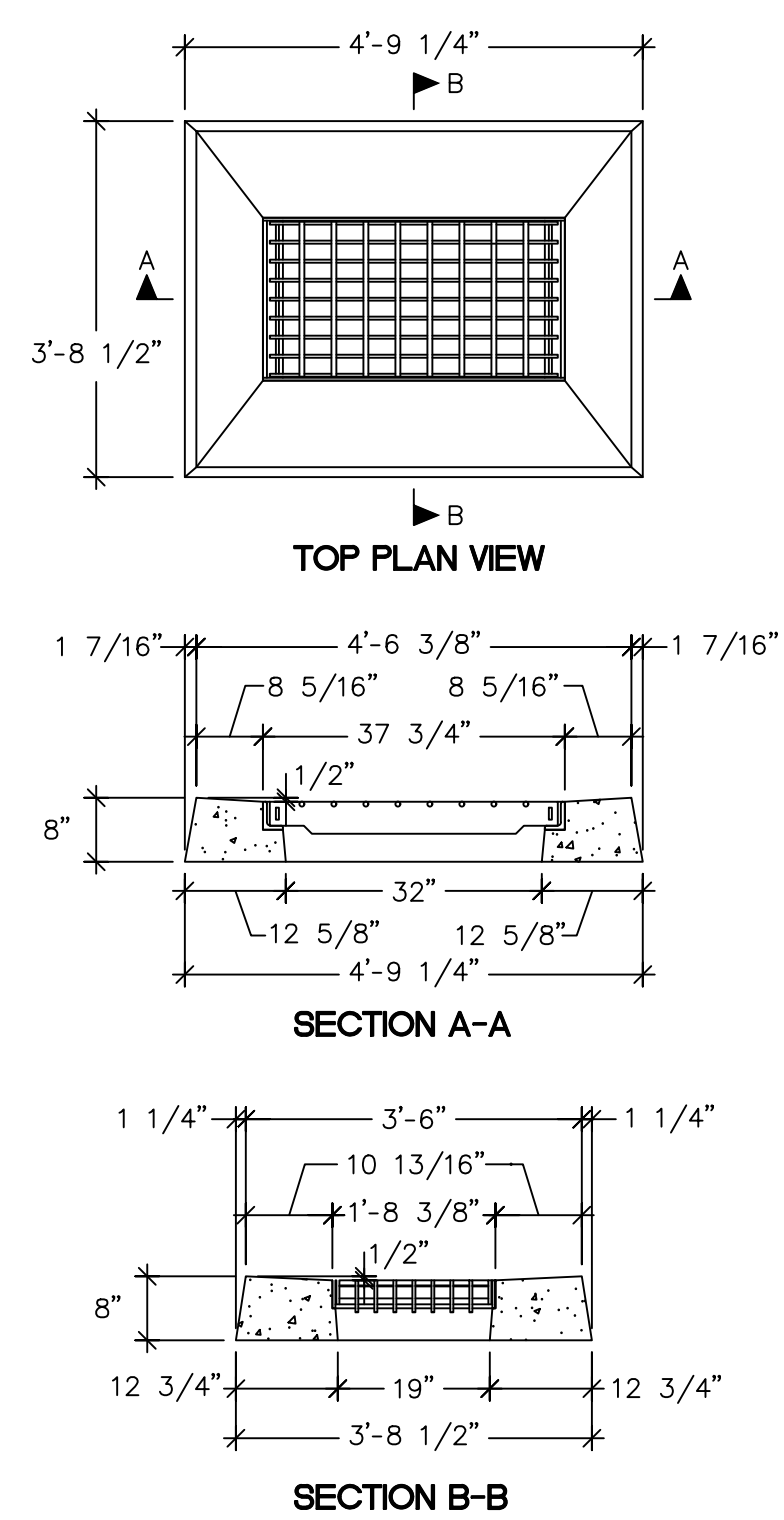
Blueberry Hill Drain Improvements 2020

SHEET 3 of 4

DRAWN BY: C.M. CHECKED BY: T.K.



TRENCH SECTION DETAIL
NOT TO SCALE



**TYPE "CL"
CATCH BASIN TOP**

DESIGN CONFORMS TO CTDOT AND LOCAL SPECIFICATIONS.

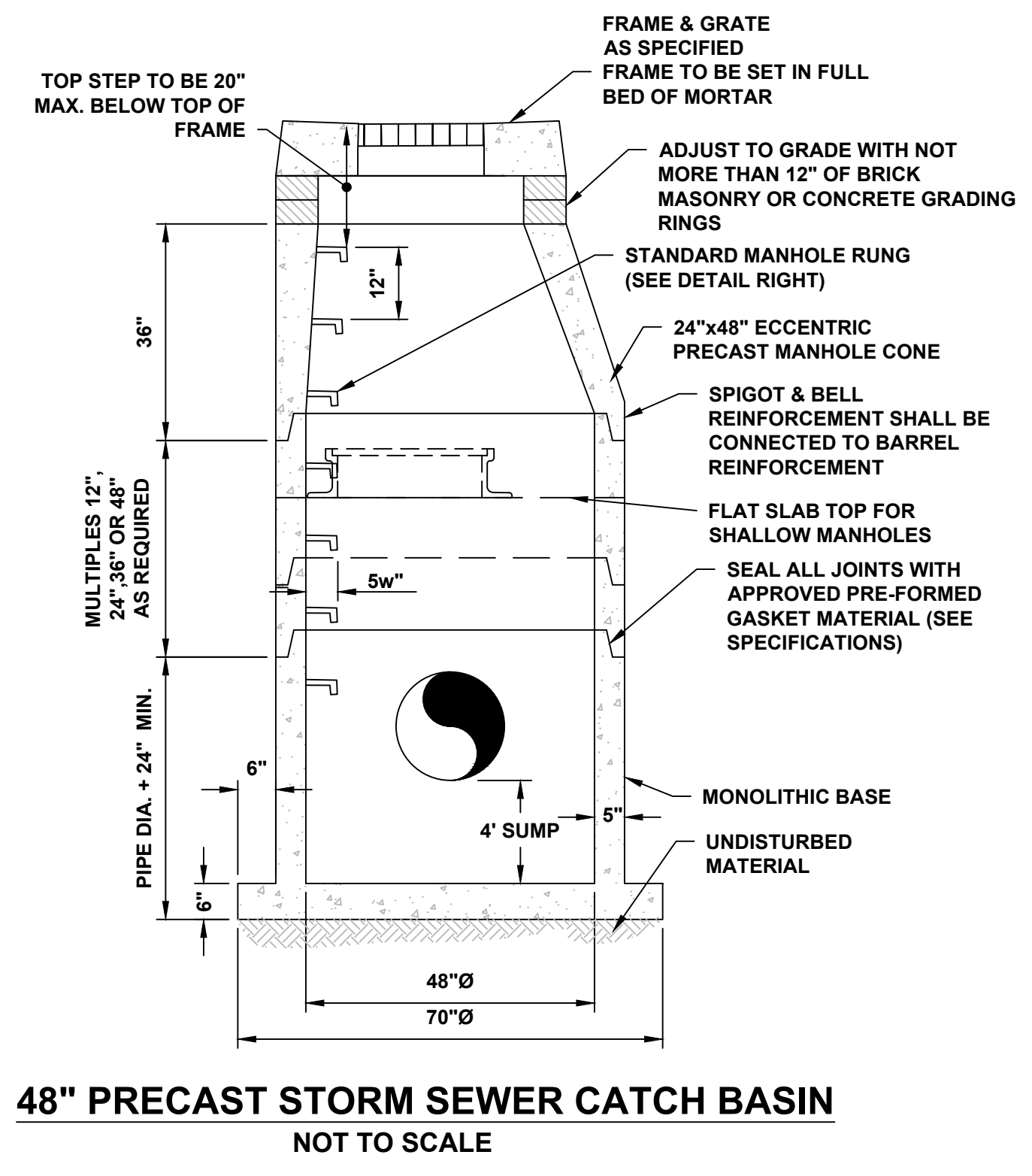
DESIGN NOTES:
1. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615, GRADE 60.
2. CONCRETE COMPRESSIVE STRENGTH- 4,000 PSI AT 28 DAYS SELF COMPACTING CONCRETE MIX.
3. METHOD OF MANUFACTURE: WET CAST.
4. SECTION IS MONOLITHIC.
5. FRAME & GRATE- PAINTED OR GALVANIZED AVAILABLE.
6. GRATE- TYPE A OR B ARE AVAILABLE.

WEIGHT CHART

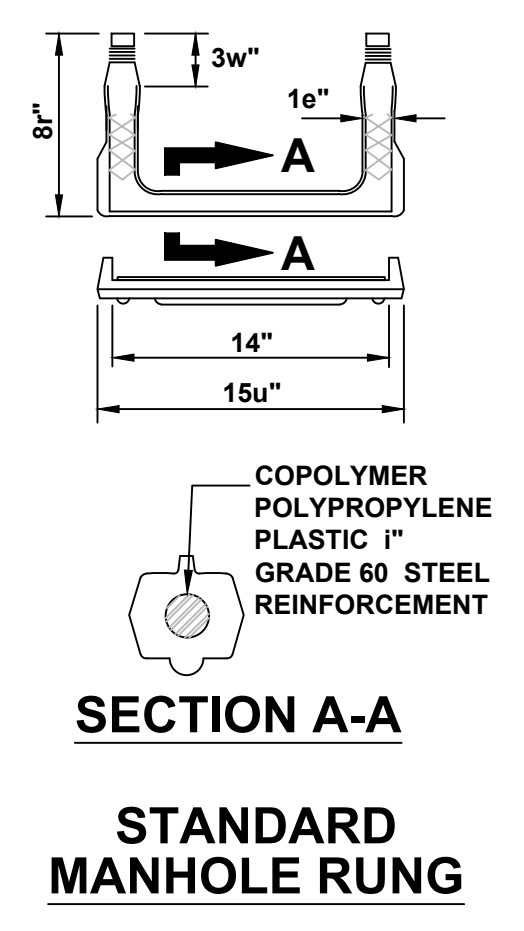
PRODUCT	APPROX WEIGHT
TYPE "CL" TOP	1290 LBS

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET TEL. 800 234-3119 FAX. (203) 265-4941
YALESVILLE, CT 06492 (203) 269-3119

**TYPE "CL" TOP FLAT (ITEM 222.2)
OR APPROVED OTHER
N.T.S.**



48" PRECAST STORM SEWER CATCH BASIN
NOT TO SCALE



**SECTION A-A
STANDARD
MANHOLE RUNG**

**ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS**

**BLUEBERRY HILL SCHOOL
STORM DRAIN REHABILITATION
DETAILS**

SCALE: 1"=10' DATE: July 2021
Blueberry Hill Drain Improvements 2020

SHEET 4 of 4

DRAWN BY: C.M. CHECKED BY: T.K.