

**CIVITECTS**  
ARCHITECTURE

P.O. BOX 9609, FALL RIVER, MA 02720  
774.957.5353 CIVITECTS.COM



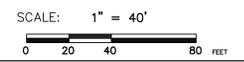
**BSC GROUP**  
BUILD | SUPPORT | CONNECT

349 Main Street - Route  
28 West Yarmouth,  
Massachusetts 02673

508.778.8919

TOWN OF DENNIS  
JOHNNY A. KELLEY PARK RECREATION BUILDING  
JOHNNY KELLEY PARK  
180 OLD BASS RIVER ROAD  
SOUTH DENNIS, MA 02660

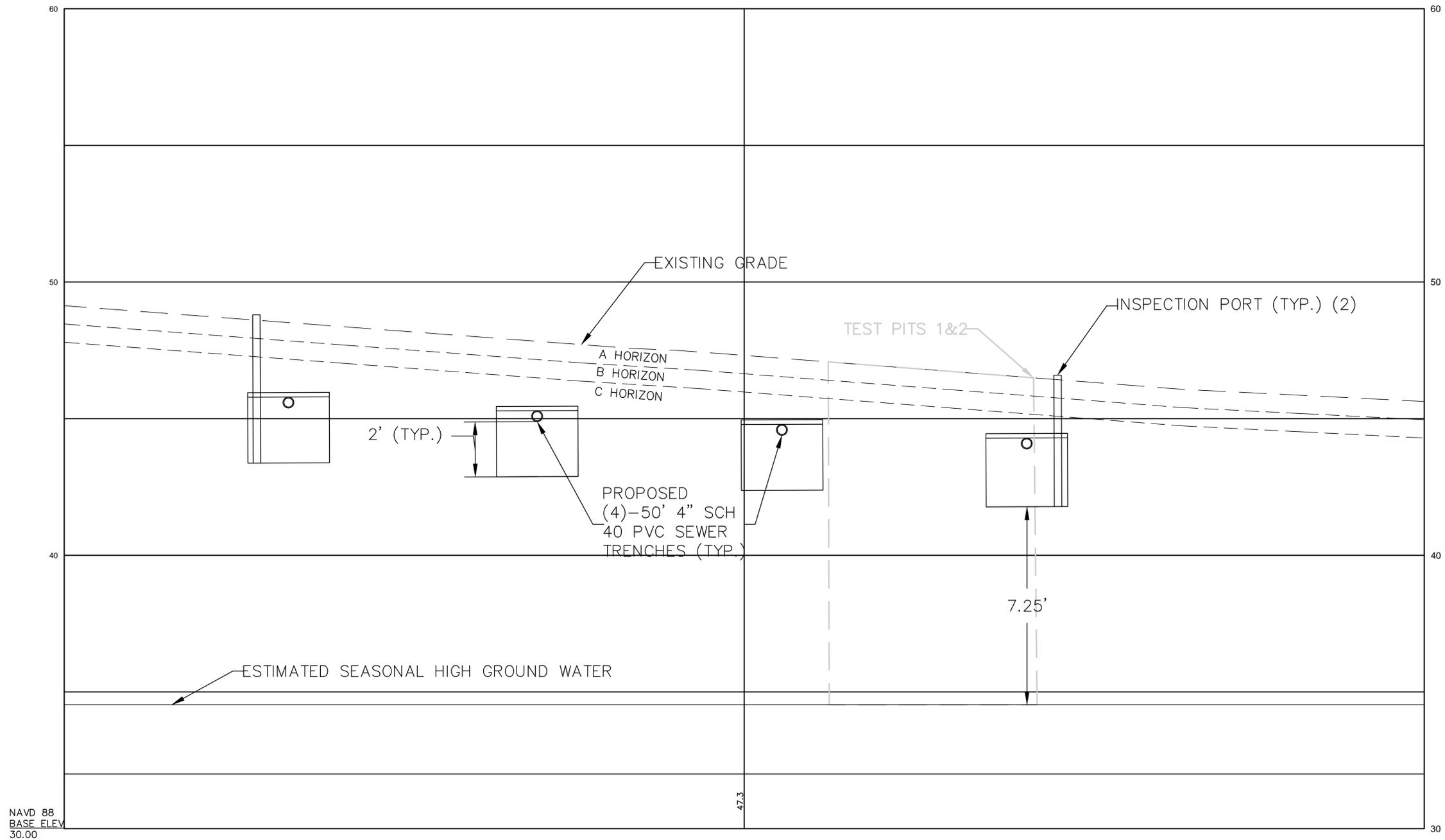
CIVITECTS PROJECT NO.: 23102.04  
SCALE: AS NOTED  
DATE: 7 MAY 2025



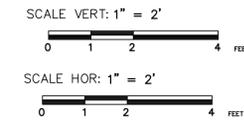
NOTE:  
EXISTING CONDITIONS BASED ON: GROUND SURVEY DONE MARCH 2025, AND AVAILABLE GIS DATA.



SEWER ALIGNMENT



SECTION A-A



NAVD 88  
 BASE ELEV  
 30.00

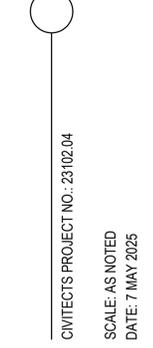
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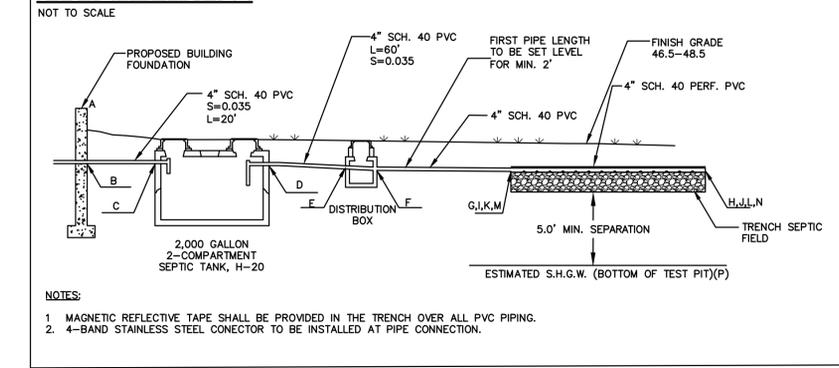
## SOIL TEST PIT DATA

NOT TO SCALE

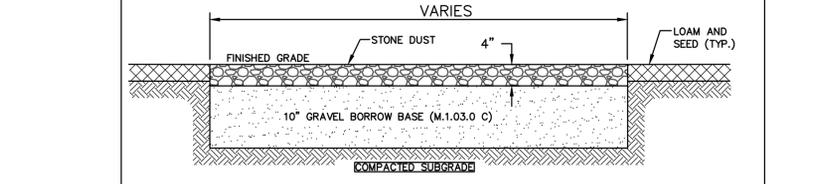
TEST PIT	TP-1	TP-2	TP-3	TP-4
GRD. EL.	46.2	46.2	47.0	47.0
SHGW EL.	SEE TP-2	34.5	SEE TP-2	SEE TP-2
EL.	45.5	45.5	46.3	46.3
EL.	44.9	44.9	45.2	45.2
EL.	43.0	43.0	43.1	43.1
EL.	40.8	40.8	41.6	41.6
EL.	40.5	40.5	41.3	41.3
EL.	34.5	34.5	36.9	36.9

INVERT SCHEDULE			
DESCRIPTION	ASSIGNED LETTER	ELEV.	DIST. BELOW TRENCH TO ESHWT
FLOOR GRADE	A	52.50	
BUILDING SEWER AT BUILDING	B	48.60	
TANK IN	C	47.90	
TANK OUT	D	47.65	
D-BOX IN	E	45.70	
D-BOX OUT	F	45.54	
TRENCH 1 BEGINNING	G	45.50	
TRENCH 1 END	H	45.25	
TRENCH 1 BOTTOM		43.25	8.75
TRENCH 2 BEGINNING	I	45.00	
TRENCH 2 END	J	44.75	
TRENCH 2 BOTTOM		42.75	8.25
TRENCH 3 BEGINNING	K	44.50	
TRENCH 3 END	L	44.25	
TRENCH 3 BOTTOM		42.25	7.75
TRENCH 4 BEGINNING	M	44.00	
TRENCH 4 END	N	43.75	
TRENCH 4 BOTTOM		41.75	7.25
ESHGW	P	34.50	

## SYSTEM PROFILE



- NOTES:
- MAGNETIC REFLECTIVE TAPE SHALL BE PROVIDED IN THE TRENCH OVER ALL PVC PIPING.
  - 4-BAND STAINLESS STEEL CONNECTOR TO BE INSTALLED AT PIPE CONNECTION.



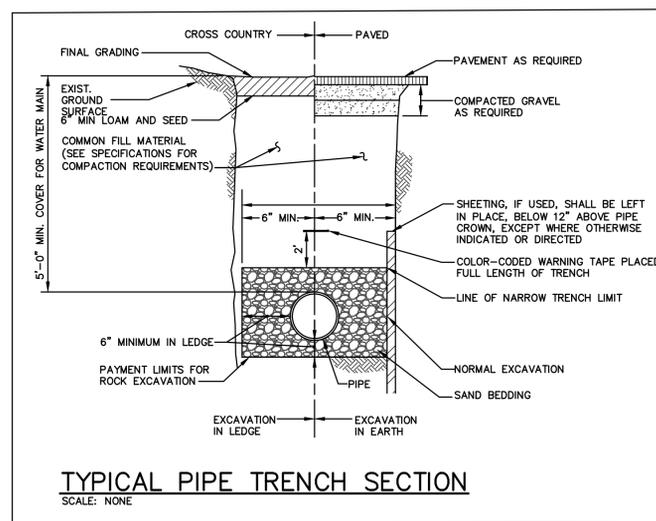
**STONE DUST WALKWAY (FOOTPATH)**  
SCALE: NONE

## ONSITE SOIL EVALUATION

DATE: MARCH 11, 2025  
 TEST BY: BSC GROUP, INC.  
 WITNESSED BY: GRACE MELILLO, BOH  
 LICENSED SOIL EVALUATOR: KIERAN J. HEALY, PLS  
 PERCOLATION RATE: < 2 MINS./INCH  
 SOIL CLASS: CLASS 1  
 L.T.A.R.: 0.74 GPD/S.F.

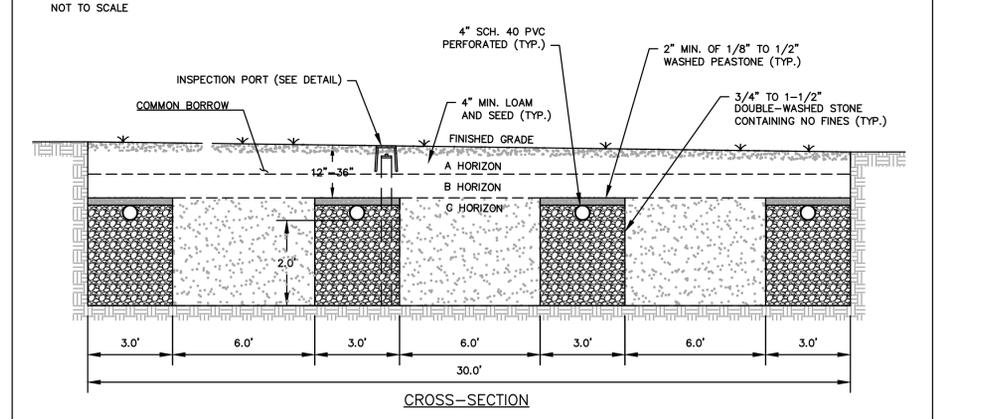
## LEGEND

- UNSUITABLE MATERIALS (TO BE REMOVED)
- PERCOLATION TEST RANGE
- ESTIMATED SEASONAL HIGH GROUNDWATER

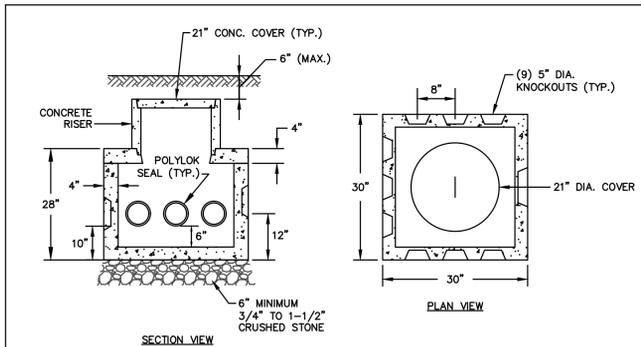


**TYPICAL PIPE TRENCH SECTION**  
SCALE: NONE

## LEACHING TRENCH DETAIL



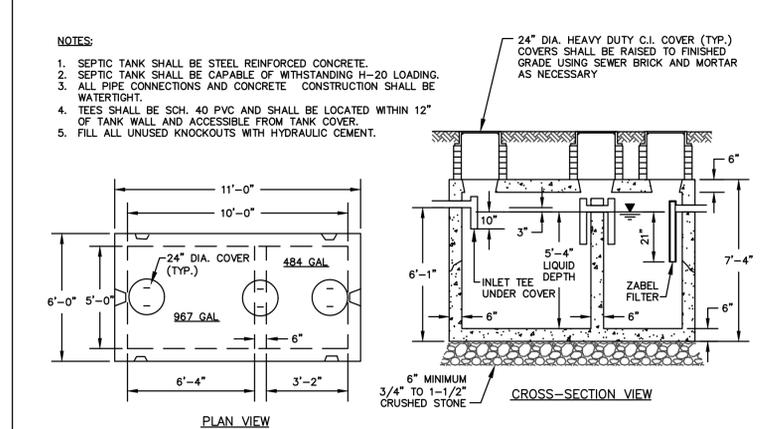
**LEACHING TRENCH DETAIL**  
SCALE: NONE



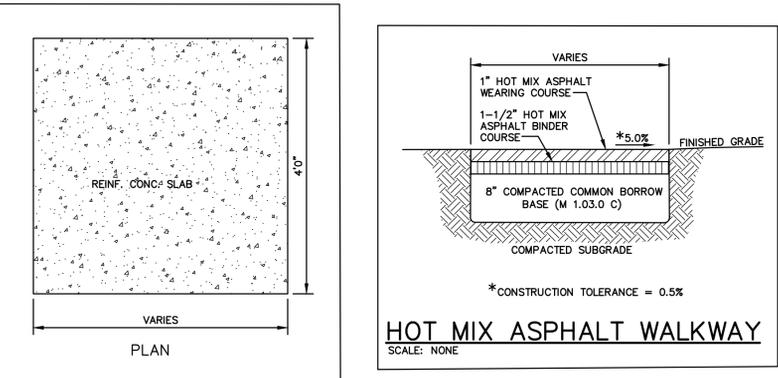
- NOTES:
- DISTRIBUTION BOX SHALL WITHSTAND H-20 LOADING.
  - FIRST TWO FEET OF PIPE OUT OF DISTRIBUTION BOX TO BE LAID LEVEL.
  - ALL PIPE CONNECTIONS AND CONCRETE CONSTRUCTION SHALL BE WATERTIGHT.
  - FILL ALL UNUSED KNOCKOUTS WITH MORTAR.
  - CONCRETE COVER SHALL BE SET WITHIN 6 INCHES OF FINISHED GRADE.

**DISTRIBUTION BOX, 9-OUTLET, H-20**  
NOT TO SCALE

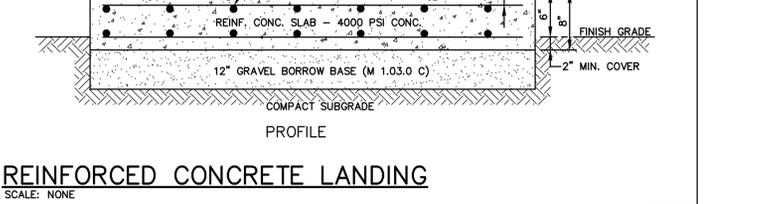
## 2,000 GALLON 2-COMPARTMENT SEPTIC TANK, H-20



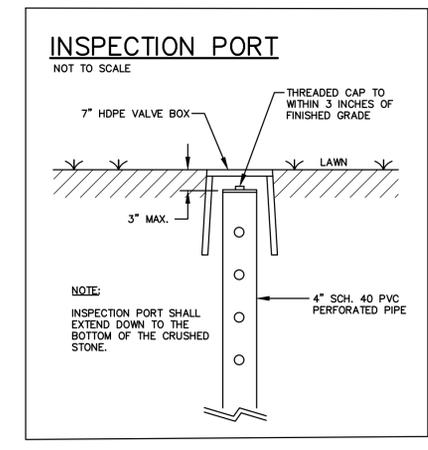
**2,000 GALLON 2-COMPARTMENT SEPTIC TANK, H-20**  
NOT TO SCALE



**HOT MIX ASPHALT WALKWAY**  
SCALE: NONE



**REINFORCED CONCRETE LANDING**  
SCALE: NONE



**INSPECTION PORT**  
SCALE: NONE

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SKU# R7-4-3

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C-5

