

GENERAL CONSTRUCTION NOTES:

1. DISTURBED SOILS SHOULD BE STABILIZED AS SOON AS POSSIBLE. ADEQUATE MEASURES SHOULD BE TAKEN TO PREVENT EROSION AND TO CONTAIN SEDIMENT ON SITE. EROSION CONTROLS SUCH AS SILT FENCING, HAYBLES, AND

2. THE PROPOSED CURB CUT AND SIDEWALK CONSTRUCTION SHOULD BE COORDINATED WITH TOWN OF ARLINGTON ENGINEERING DEPT. AND BUILT IN COMPLIANCE WITH THE TOWN OF ARLINGTON STANDARD DRIVEWAY CROSSING AND SIDEWALK DETAILS.

SWEEPING SHOULD BE USED AS NECESSARY.

3. ALL WALLS GREATER THAN 4' IN HEIGHT SHALL BE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

4. FALL PROTECTION AND HANDRAILS SHALL BE PROVIDED AS REQUIRED BY BUILDING CODE OR OTHER APPLICABLE CODE(S) OR REGULATION(S), AND SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.

5. SITE GRADING AND DOWNSPOUT OVERFLOWS SHALL NOT DIRECT CONCENTRATED STORMWATER RUNOFF ONTO ABUTTING PROPERTIES.

6. THE CONTRACTOR SHOULD MONITOR AREAS OF EXPOSED SOIL TO INSURE THAT EROSION IS KEPT TO A MINIMUM AND SEDIMENT IS CONTAINED ON-SITE. ANY SEDIMENT ENTERING THE RIGHT OF WAY SHOULD BE REMOVED IMMEDIATELY. ROADWAY STREET SWEEPING AND/OR CLEANING SHOULD TAKE PLACE AT THE END OF EACH WORK DAY.

7. THE DESIGN ENGINEER SHALL PROVIDE A STAMPED FIELD AS-BUILT PLAN OF THE DRAINAGE SYSTEM AND IMPERVIOUS AREAS (w/ DIMENSIONS) D TO THE ARLINGTON ENGINEERING DEPT. FOLLOWING INSTALLATION.

8. ANY PROPOSED AND/OR FUTURE SUMP PUMP INSTALLATION SHOULD NOT BE DISCHARGED TOWARDS THE PUBLIC WAY OR CONNECTED TO THE SUBSURFACE RECHARGE SYSTEM.

9. FOOTING DRAIN OUTFALLS SHALL NOT BE DIRECTED TOWARDS ABUTTING PROPERTIES OR CONNECTED TO THE SUBSURFACE RECHARGE SYSTEM.

10. THE CONTRACTOR SHALL COORDINATE THE FOLLOWING INSPECTIONS OF SUBSURFACE DRAINAGE SYSTEM WITH THE DESIGN ENGINEER AND THE TOWN OF ARLINGTON ENGINEERING DEPT.; (A.) THE BOTTOM OF EXCAVATION (B.) SYSTEM INSPECTION AFTER INSTALLATION AND PRIOR TO BACKFILLING.

11. THE INFILTRATION SYSTEM'S BOTTOM OF BED SHALL BE EXCAVATED TO THE C HORIZON SOIL LAYER NOTED ON THE TEST PITS. IF THE SOIL CONDITIONS ENCOUNTERED DO NOT MATCH THE PLAN OR TEST PIT INFORMATION, (IE LEDGE, LACK OF SOIL DEPTH ETC.) THE CONTRACTOR SHOULD CONTACT THE DESIGNER AND ENGINEERING

GENERAL UTILITY NOTES 1. THE LOCATION OF EXISTING UTILITIES INCLUDING PIPES, CONDUITS, MANHOLES, POLES, AND OTHER UTILITY FEATURES AS SHOWN ON THESE PLANS ARE NOT WARRANTED TO BE CORRECT OR COMPLETE. CONTRACTOR SHALL VERIFY UTILITIES AND NOTIFY DIGSAFE AND THE TOWN OF ARLINGTON WATER & SEWER DEPT. (781-316-3310) PRIOR TO ANY EXCAVATIONS.

2. INSTALLATION OF UTILITIES SHALL CONFORM TO ALL APPLICABLE REGULATIONS, CODES, AND STANDARDS, INCLUDING THOSE OF THE CITY OF ARLINGTON.

3. THIS PLAN PROVIDES INFORMATION FOR EXTERIOR UTILITIES ONLY. UTILITIES INSIDE THE BUILDING TO BE DESIGNED AND SPECIFIED BY OTHERS.

SOIL PIT I	_OG
DEEP HOLE	1-20
DATE	11/5/20
GROUND ELEV.	234.0
BOTTOM OF PIT ELEV.	227.0
OBS. WATER TABLE	N/A
EST. S.H. WATER TABLE	>84"(227.0)
O HORIZON	N/A
A HORIZON	0"- 8" S.L. 10YR 4/2 Gran., VF
B HORIZON	8"- 16" S.L. 10YR 7/6 Gran., VF
C HORIZON	16"- 84" S.L. 2.5Y 7/2 Gran., Firm in place
REFUSAL	
CONDUCTED BY:	•
JOHN BARROWS - MA S	E #84

STORM WATER PEAK FLOW COMPARISON

Lot Coverage Summary

100 sf

146 sf

246 sf

1450 sf

950 sf

2,400 sf

Existing:

Bldg.

Dwy &

Walks

Total:

Proposed:

Bldg.

Walks

Dwy's &

WATER CURB STOP SEWER MANHOLE/CLEANOUT

CATCH BASIN UTILITY POLE

GAS VALVE GAS CURB STOP

EDGE OF BVW

TREES/SHRUBS

EDGE OF PAVE

BITUMINOUS BERM

GRANITE CURB INLET EDGE OF PAVEMENT NO BUILD ZONE VEGETATED BUFFER

VERTICAL GRANITE CURB

SEWER SEWER SERVICE SEWER FORCE MAIN

HEADWALL FLARED END SECTION

INVERT ELEVATION

RIM ELEVATION GAS CURB STOP GAS VALVE

UTILITY POLE

WAIER
WATER CURB STOP
WATER GATE
TELEPHONE/ELECTRIC/CABLE
OVERHEAD WRE

HIGH DENSITY POLYETHYLENE PIPE H
DUCTILE IRON PIPE

SSACHUS

MA

ON,

25 GT

Salem Village Consulting, LLC

DATE: JANUARY 29, 2021

SCALE: 1'-10'

1 OF 2

90 PINE STREET

(978)204-2390

DANVERS, MA 01923

SHEET

POLYVINYLCHLORIDE PIPE
REINFORCED CONCRETE PIPE CAST IRON PIPE
CORRUGATED METAL PIPE

BUFFER ZONE

EDGE OF PAVE RIGHT OF WAY

BIT. CONC. SIDEWALK/WALKWAY BCSW/BCW

BORDERING VEGETATED WETLAND BVW

SILT FENCE

SIGN CHAIN LINK FENCE WOOD OR VINYL FENCE

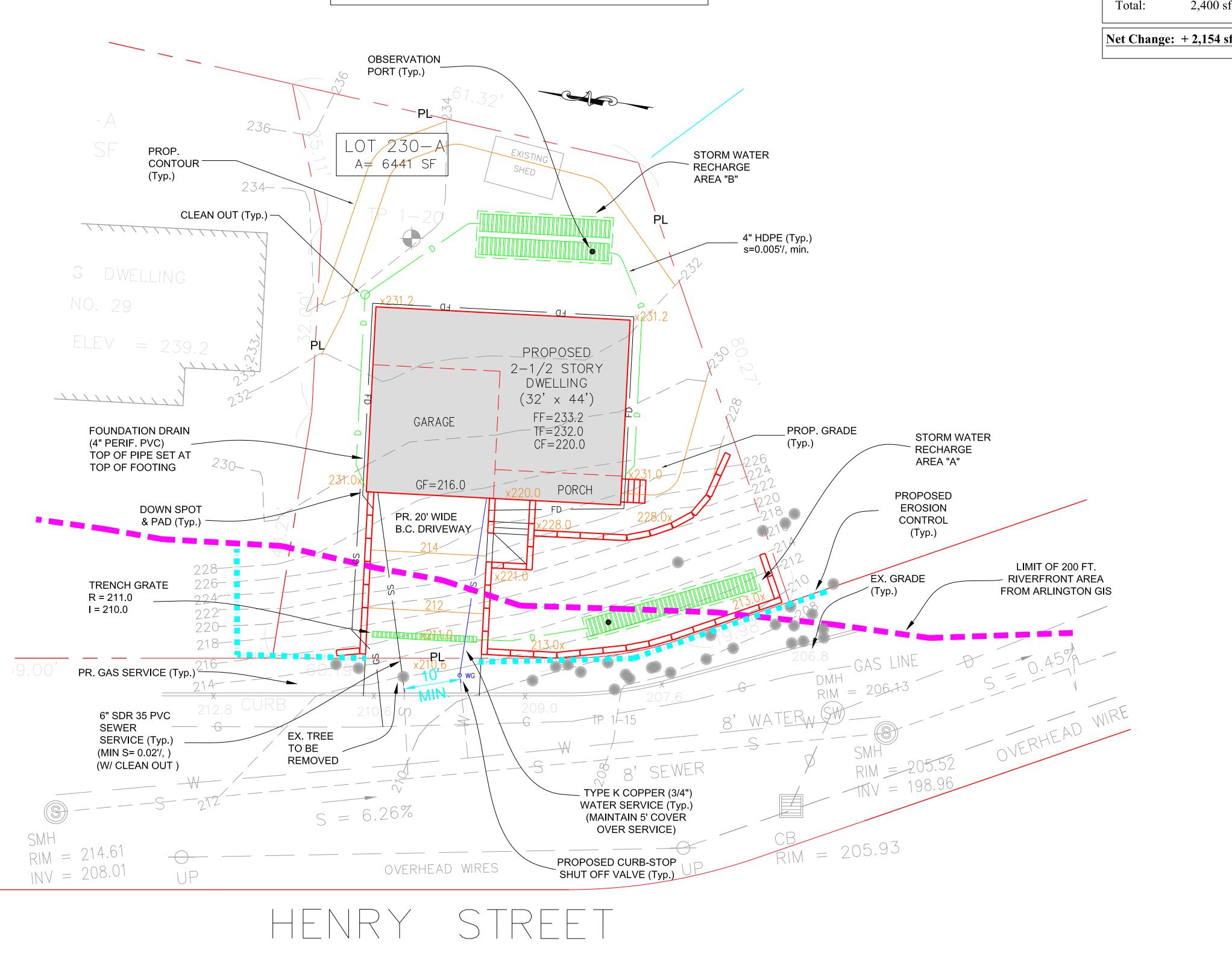
EXIST. PRE-CONST. CONTOURS

 ∞

Design Point			Peak Flows (CFS) Storm Events		
		<u>2 YR</u>	<u>10 YR</u>	25 YR	<u>100 YR</u>
A	Existing	0.0	0.0	0.0	0.1
	Proposed	0.0	0.0	0.0	0.3

STORM WATER VOLUME COMPARISON

Design Point				Volumes (CF) Storm Even	ts
		2 YR	10 YR	25 YR	100 YR
A	Existing	8	127	248	603
	Proposed	3	76	174	541



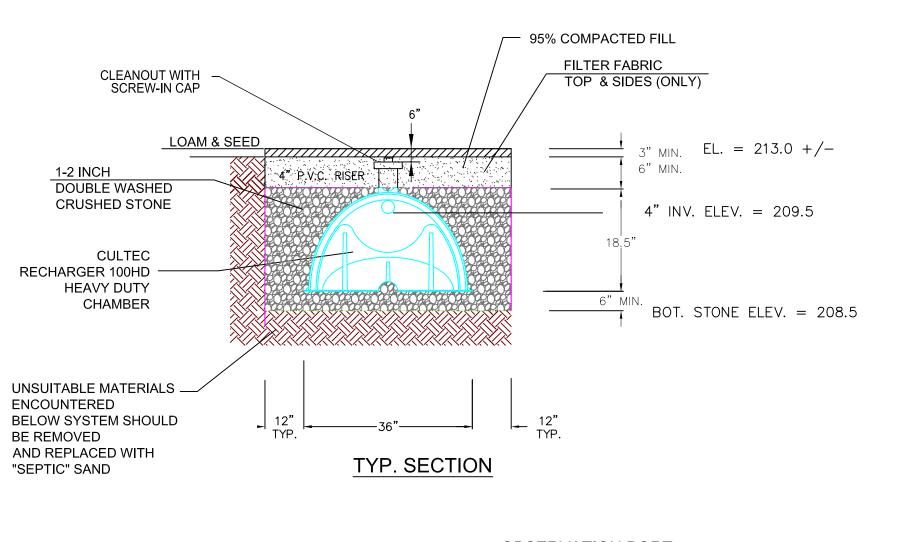
SITE PLAN

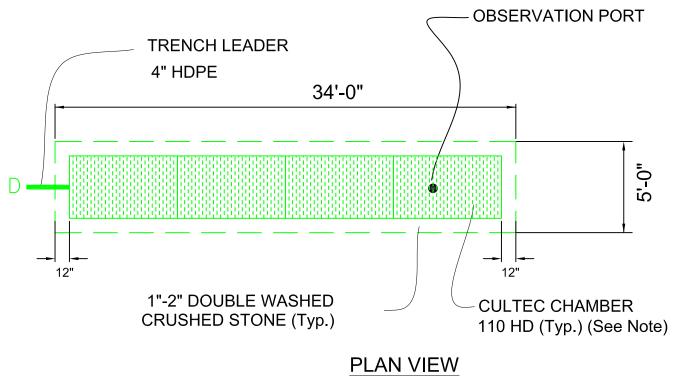
SCALE: 1'=10'

1. PROPERTY LINE, EXISTING CONDITIONS, UTILITY

BY: D&A SURVEY INC., DATED: 11/20/20

AND SITE DEVELOPMENT INFORMATION FROM PLAN





RECHARGE SYSTEM "A"

1. RECHARGE SYSTEM CONSISTS OF (4) FOUR 100 HD CULTEC CHAMBERS.

2. THE STORAGE VOLUME PROVIDED BY THE RECHARGE AREA = 173 C.F.

GENERAL UTILITY NOTES

EXCAVATIONS.

THE LOCATION OF EXISTING UTILITIES INCLUDING

UTILITY FEATURES AS SHOWN ON THESE PLANS ARE NOT WARRANTED TO BE CORRECT OR COMPLETE.

CONTRACTOR SHALL VERIFY UTILITIES AND NOTIFY

DIGSAFE AND THE TOWN OF ARLINGTON WATER &

2. INSTALLATION OF UTILITIES SHALL CONFORM TO

3. THIS PLAN PROVIDES INFORMATION FOR EXTERIOR

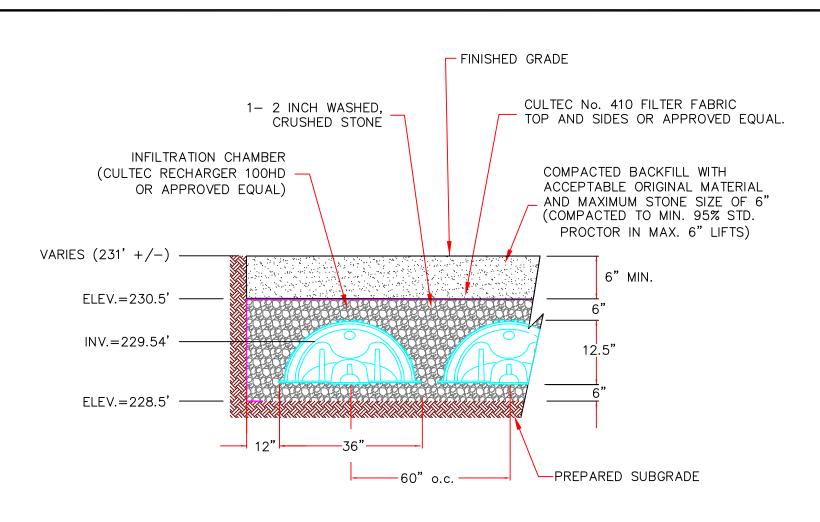
UTILITIES ONLY. UTILITIES INSIDE THE BUILDING TO

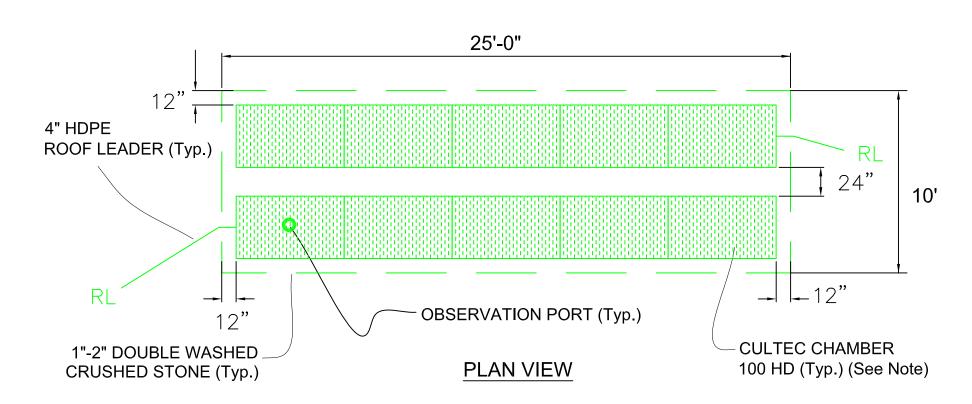
<u>SEWER DEPT. (781-316-3310) PRIOR TO ANY</u>

ALL APPLICABLE REGULATIONS, CODES, AND STANDARDS, INCLUDING THOSE OF THE CITY OF

BE DESIGNED AND SPECIFIED BY OTHERS.

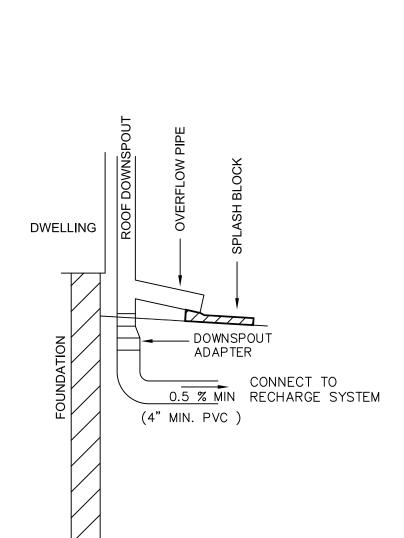
PIPES, CONDUITS, MANHOLES, POLES, AND OTHER





RECHARGE SYSTEM "B"

1. RECHARGE SYSTEM CONSISTS OF (6) SIX 100 HD CULTEC CHAMBERS. 2. THE STORAGE VOLUME PROVIDED BY THE RECHARGE AREA = 249 C.F.



ROOF LEADER DETAIL

4" SCHEDULE 40 PVC PIPE WITH THREADED END CAP

NOTES:

1. PROVIDE 6" (MIN.) BEDDING OF 3/4" CRUSHED STONE FOR UTILITY BOX.

2. PROVIDE ONE INSPECTION PORT AT EACH END OF EACH CHAMBER ROW.

INSPECTION PORT DETAIL

N.T.S.

POLYMER CONCRETE OPEN BOTTOM UTILITY BOX -

STRONGWELL 6"x8" "PC" STYLE OR APPROVED EQUAL

WATER CURB STOP SEWER MANHOLE/CLEANOUT

DRAIN MANHOLE FLARED END SECTION

CATCH BASIN UTILITY POLE

GAS VALVE GAS CURB STOP

EDGE OF BVW

TREES/SHRUBS

EDGE OF PAVE

GRANITE CURB INLET EDGE OF PAVEMENT NO BUILD ZONE VEGETATED BUFFER

EDGE OF PAVE RIGHT OF WAY

VERTICAL GRANITE CURB

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UTILITY POLE

TELEPHONE/ELECTRIC/CABLE
OVERHEAD WIRE

POLYVINYLCHLORIDE PIPE
REINFORCED CONCRETE PIPE
CAST IRON PIPE
CORRUGATED METAL PIPE

INVERT ELEVATION
RIM ELEVATION
GAS CURB STOP
GAS VALVE

HEADWALL HW
FLARED END SECTION FES
HIGH DENSITY POLYETHYLENE PIPE HDPE
DUCTILE IRON PIPE DIP

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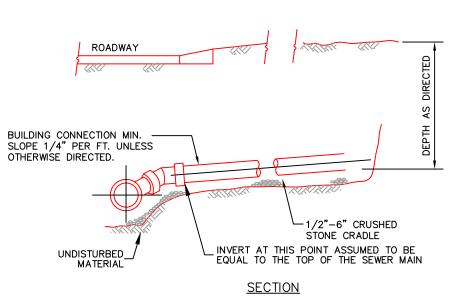
SILT FENCE

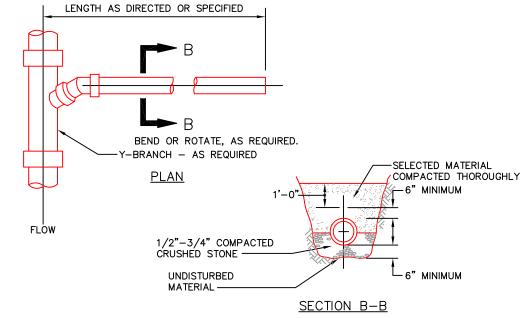
SIGN CHAIN LINK FENCE WOOD OR VINYL FENCE

EXIST. PRE-CONST. CONTOURS

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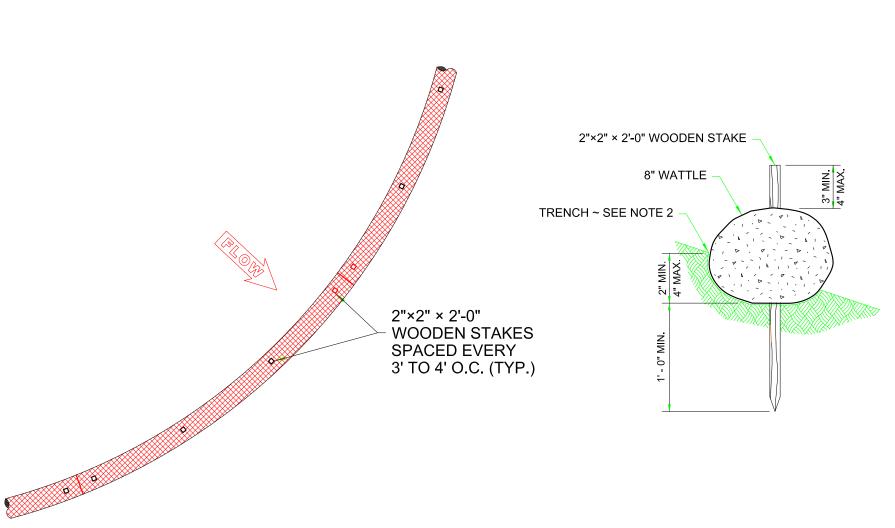
BORDERING VEGETATED WETLAND BVW
BUFFER ZONE BZ





TYPICAL DOMESTIC WATER SERVICE CONNECTION

N.T.S.



STRAW WATTLE EROSION CONTROL DETAILS

N.T.S.

1, WATTLES TO BE MAINTAINED ALONG STREET LINE AND THE NORTH AND SOUTH PROPERTY LINES DURING CONSTRUCTION. 2. WHEN UNABLE TO TTENCH AND/OR STAKE, WATTLES SHOULD BE BACKED WITH GRAVEL.

TYPICAL BUILDING SEWER CONNECTION EDGE OF ROADWAY LAYOUT ----REMOTE READER HEIGHT = 3' MIN - 5' MAX FOUNDATION WALL CLOSEST TO TAP FINISHED GRADE -BLUE TRACER TAPE MARKED "CAUTION WATER LINE BELOW" MUST BE PLACED TWO FEET BELOW FINISHED GRADE IN SERVICE OR CURB BOX-THE WATER-SERVICE TRENCH AND TIED TO THE SERVICE BOX. CURB STOP AND 2.5" BUFFALO OR NE STYLE 95E 5.5" CURB BOX: CC THREAD X FLARED 1-1/2" CORP. CORPORATION COCK OR BALL VALVE WASHED SAND TAILPIECE (SPUD CONNECTOR) STOP MUST BE DIRECT TAP SERVICE PIPE (TYPE K COPPER)

DATE: JANUARY 29, 2021 SCALE: N.T.S. SHEET 2 OF 2