

## EXISTING CONDITIONS NOTES

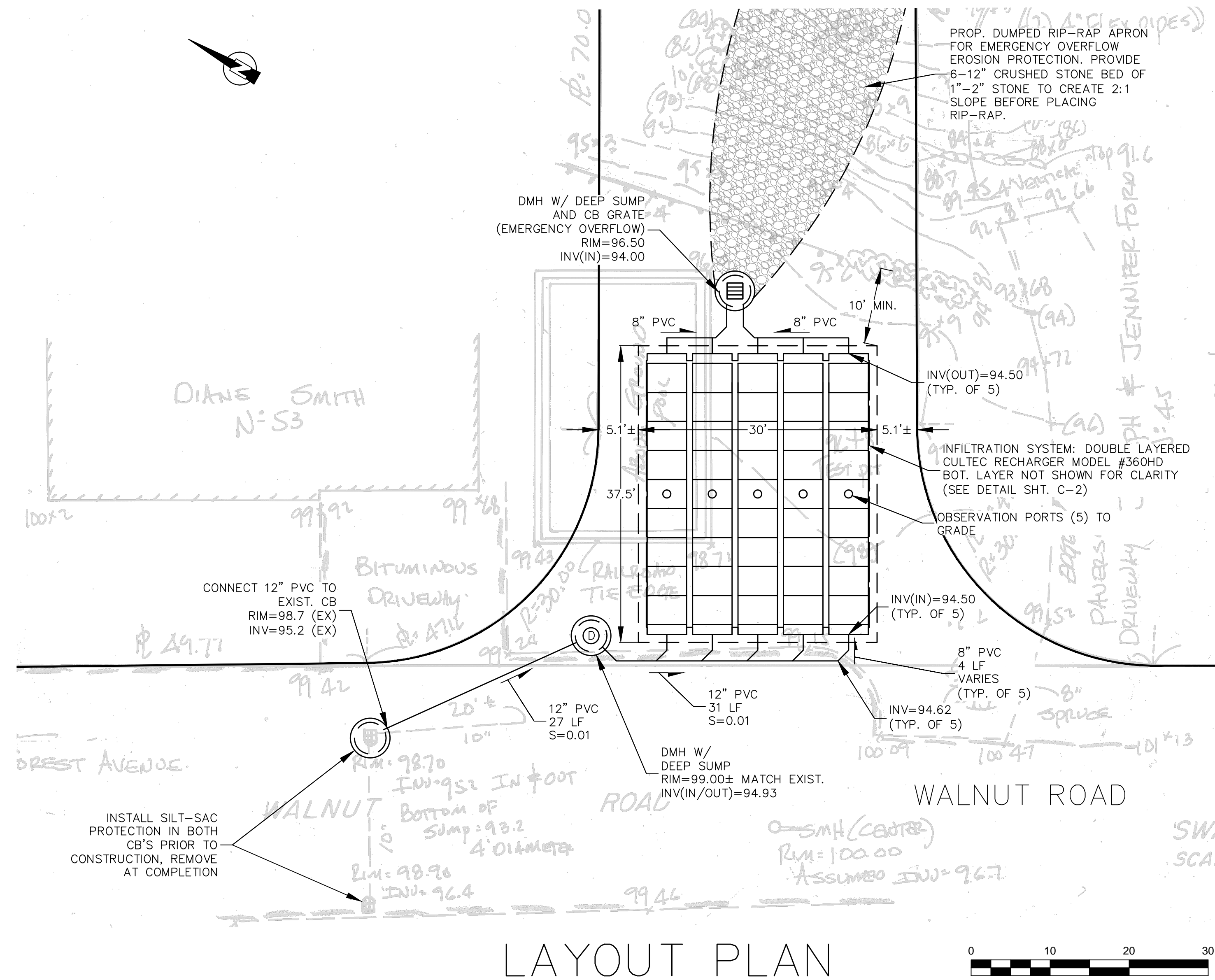
- EXISTING CONDITIONS SURVEY IS FROM PLAN TITLED "WALNUT ROAD SWAMPSCOTT, MA" BY PARSONS AND FAIA INC., OF LYNN, MA, DATED 1/10/2019.
- THE LOCATION OF EXISTING UTILITIES AND SUBSURFACE STRUCTURES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE UTILITY AUTHORITY OF ANY DISCREPANCY WITH THE DRAWINGS. NEITHER THE ENGINEER NOR THE OWNER WARRANTS OR GUARANTEES THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SUBSURFACE STRUCTURES AND UTILITIES AND CONTACT DIG-SAFE AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.

## DRAIN & SEWER NOTES

- MINIMUM SLOPE FOR ALL PIPES = 0.5% (0.005)
- ALL PVC LESS THAN OR EQUAL TO 8" DIAM. TO BE SDR35 UNLESS NOTED OTHERWISE.
- MINIMUM COVER OVER PVC PIPES TO BE 2.0'.
- FOR STORMWATER PIPING LARGER THAN 8" DIAM USE ADS N-12 ST IB PIPE.
- ALL EXISTING OR FORMER STORMWATER SYSTEM ELEMENTS (CB, DMH, PIPING, ETC.) TO BE REMOVED AND DISPOSED OF OFFSITE.

## GENERAL CIVIL NOTES

- THE LOCATION OF EXISTING UTILITIES AND SUBSURFACE STRUCTURES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE UTILITY AUTHORITY OF ANY DISCREPANCY WITH THE DRAWINGS. NEITHER THE ENGINEER NOR THE OWNER GUARANTEES THE CONDITIONS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL CONFIRM LOCATION, SIZE AND ELEVATION OF EXIST. UTILITIES PRIOR TO BEGINNING INSTALLATION. IF NECESSARY, TEST PITS SHALL BE DUG TO CONFIRM GRAVITY UTILITIES (SEWER AND DRAIN) PRIOR BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SUBSURFACE STRUCTURES AND UTILITIES AND CONTACT DIG-SAFE AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITY WITH THE VARIOUS AFFECTED PUBLIC AND PRIVATE UTILITIES IN ORDER TO PREVENT UNNECESSARY DELAY OF WORK OR INTERRUPTION OF SERVICES.
- ANY AREAS BEYOND THE LIMIT OF WORK WHICH ARE DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO MINIMIZE THE AMOUNT OF DEBRIS THAT COLLECTS ON ROADWAYS, AND IN CATCH BASINS, CULVERTS, AND MANHOLES ADJACENT TO THE SITE.
- AT THE CLOSE OF CONSTRUCTION, THE CONTRACTOR SHALL CLEAN ALL CATCH BASINS, INLETS, PIPES, AND MANHOLES WITHIN THE LIMIT OF WORK. CLEANING SHALL BE PERFORMED BY WATER JETTING/FLUSHING PIPES, AND REMOVING ALL COLLECTED SEDIMENT AND DEBRIS BY VACUUM OR SHOVEL.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SHORING AND SUPPORT FOR SOIL IN EXCAVATIONS, AS NEEDED.
- THE CONTRACTOR SHALL VERIFY ALL ANGLES, LENGTHS, ELEVATIONS AND INVERTS PRIOR TO BEGINNING CONSTRUCTION, AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
- ALL TRENCHES AND EXCAVATIONS SHALL BE BACKFILLED AND COMPACTED IN 12-18" LIFTS. COMPACTION SHALL BE PERFORMED WITH A VIBRATORY PLATE COMPACTOR.
- WHERE AREAS TO BE BACKFILLED ARE <18" WIDE OR TOO SMALL TO COMPACT WITH A VIBRATORY PLATE COMPACTOR, FLOWABLE FILL SHALL BE USED. ANY USE OF FLOWABLE FILL IN THE PUBLIC R.O.W. REQUIRES PRIOR APPROVAL FROM THE LOCAL D.P.W.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES WITHOUT SERVICE INTERRUPTIONS. DAMAGED UTILITIES SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO NOT CRUSH OR DEFLECT PVC PIPE DURING BACKFILLING AND COMPACTING OPERATIONS.
- ALL MATERIALS USED FOR HORIZONTAL CONSTRUCTION TO CONFORM TO LATEST VERSION OF MASSDOT STANDARDS UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE TOWN.
- CONTRACTOR TO PREPARE AND SUBMIT A CONSTRUCTION AS-BUILT TO SWAMPSCOTT ENGINEERING DEPARTMENT. THE AS-BUILT SHALL COMPLY WITH ALL ENGINEERING DEPARTMENT AS-BUILT REQUIREMENTS.



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WALNUT RD. INFILTRATION  
STORMWATER PLAN

PREPARED FOR  
TOWN OF SWAMPSCOTT

C-1

DATE: 5/17/19

SCALE: AS NOTED