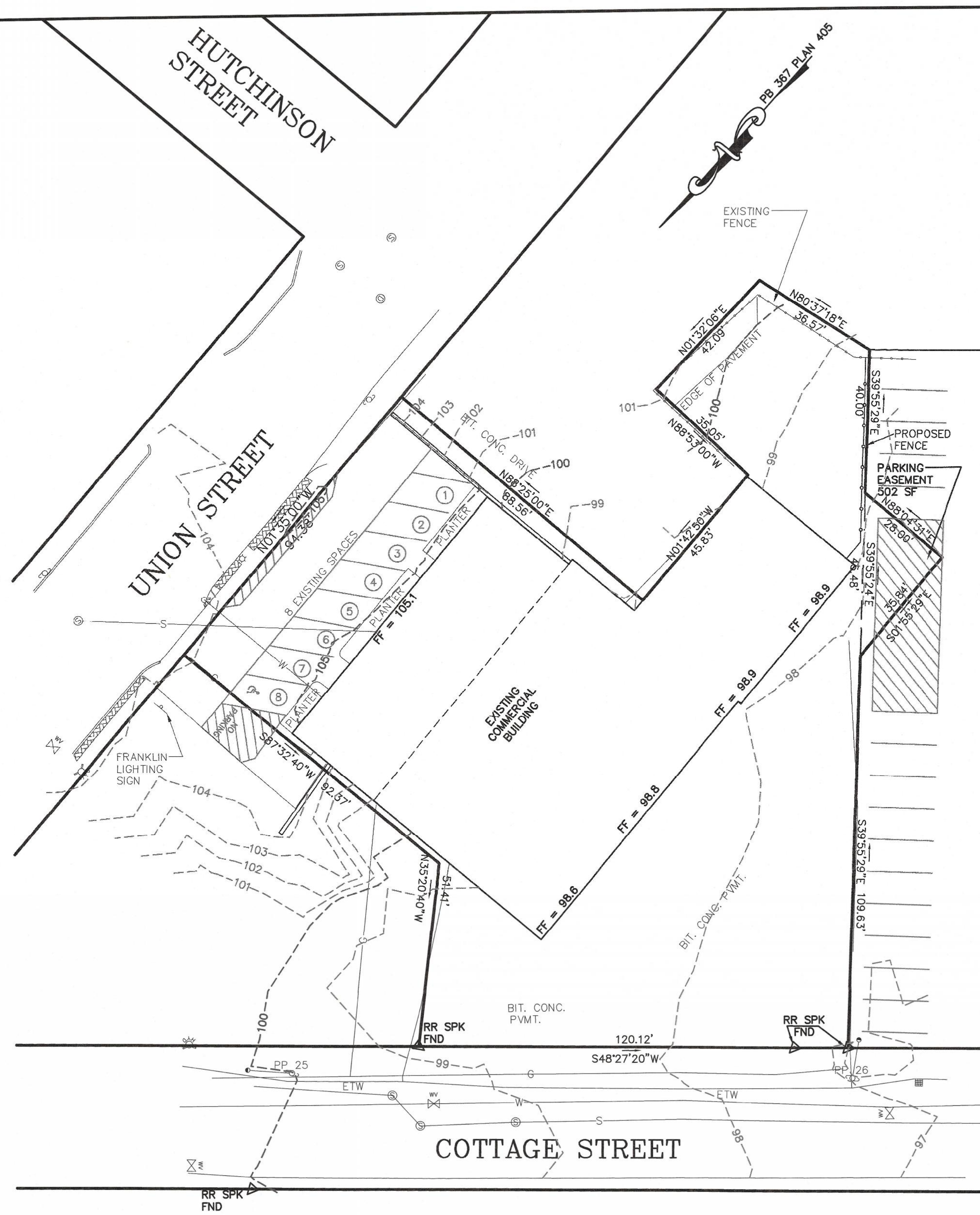
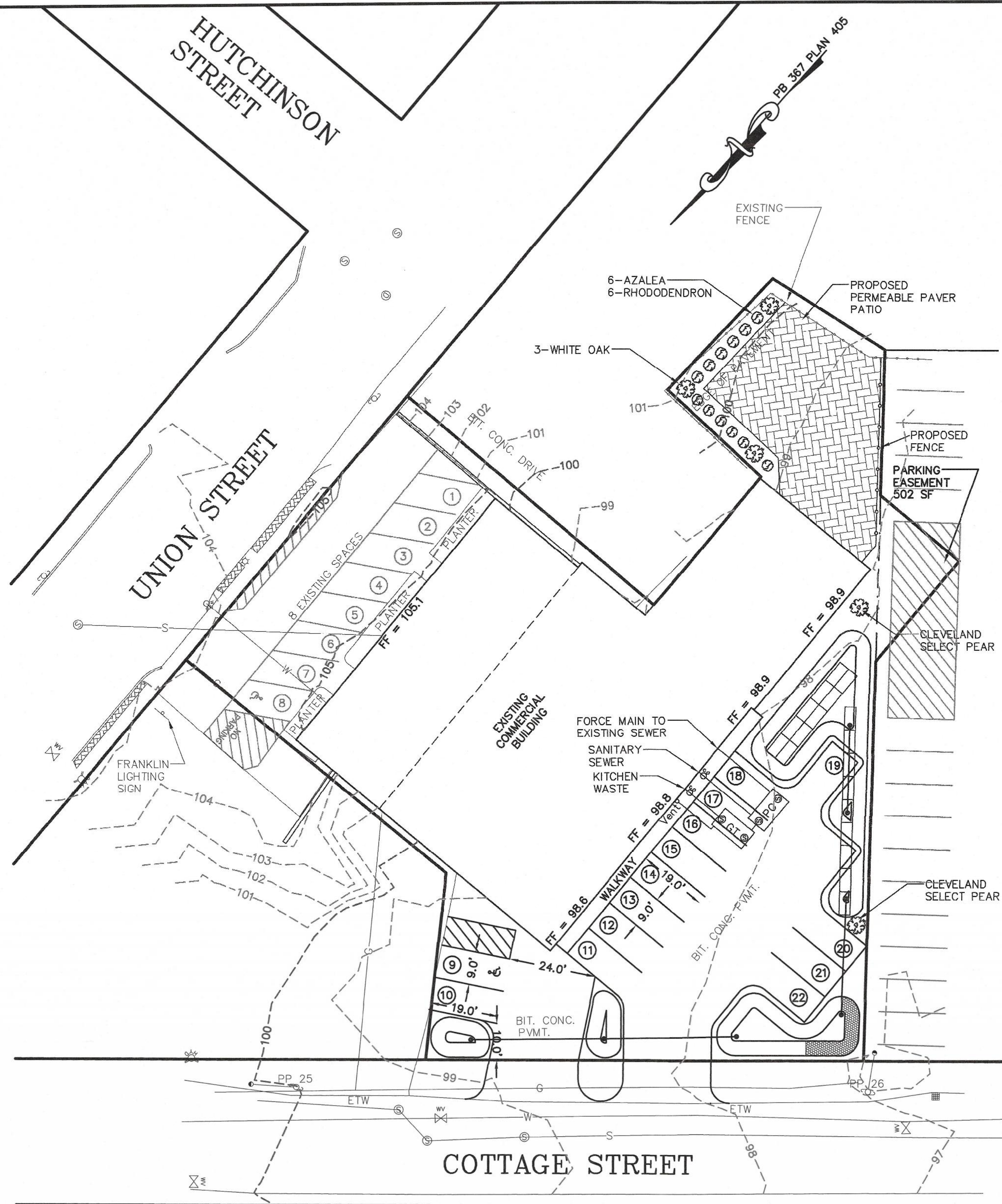
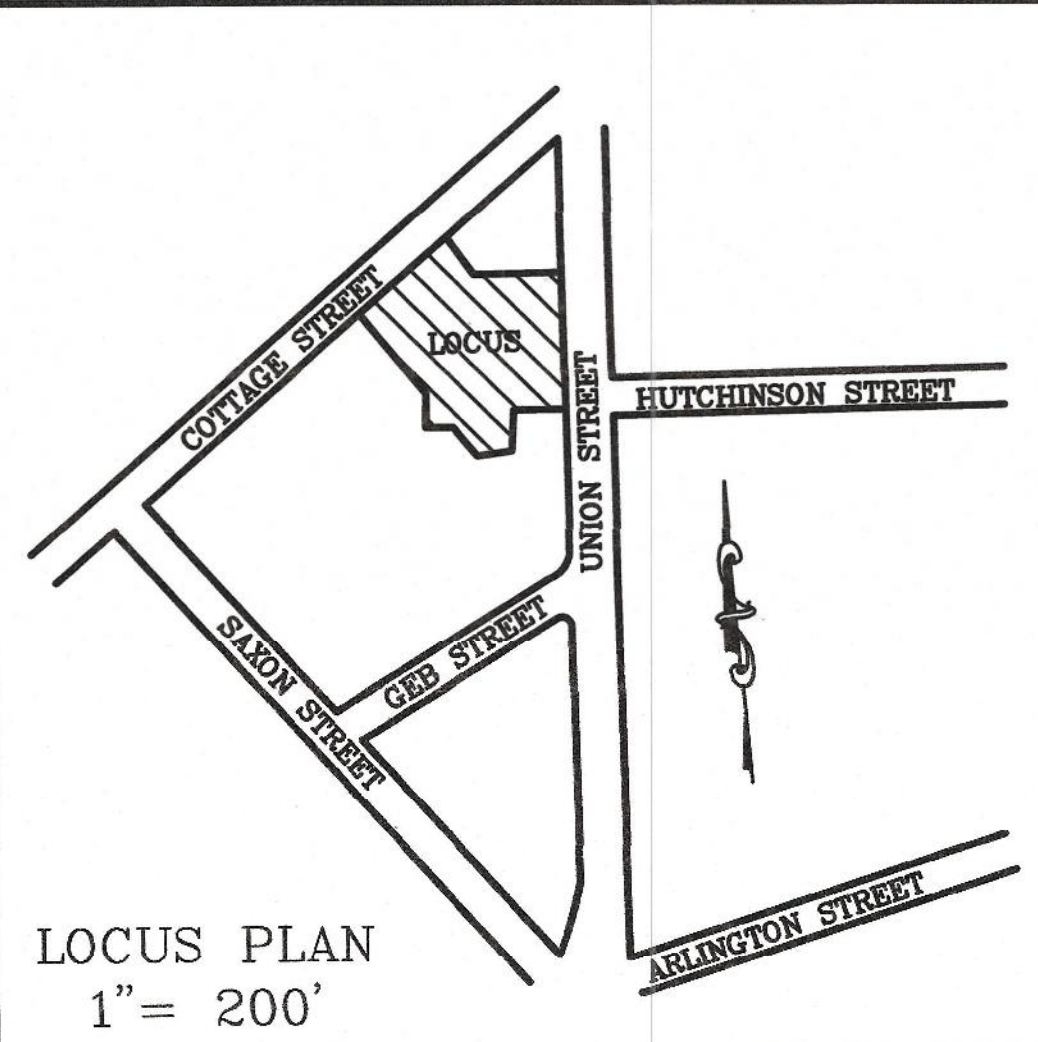




EXISTING



PROPOSED



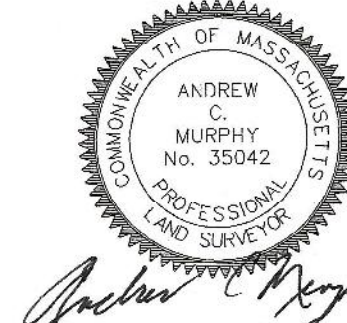
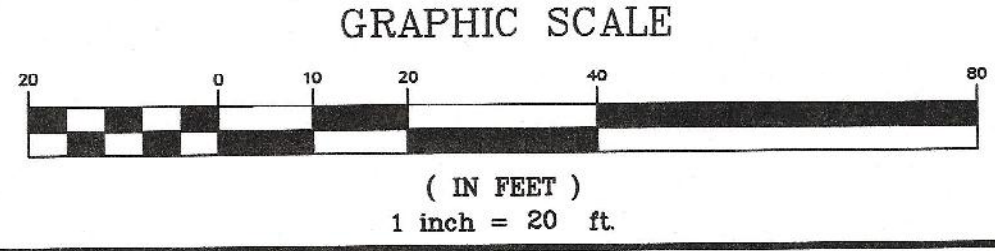
PARKING REQUIREMENTS:
 UPPER LEVEL - 2,535 SF
 LOWER LEVEL - 6,951 SF
 TOTAL FLOOR AREA = 9,486 SF
 9,486 SF / 1 SPACE / 500 SF
 9,486 / 500 = 18.9 SPACES -> 19 SPACES
 SPACES PROVIDED: 22 SPACES

PROPOSED USE: SECTION 3.13 - BREWERY,
 DISTILLERY OR WINERY PRODUCTION WITH TASTING ROOM

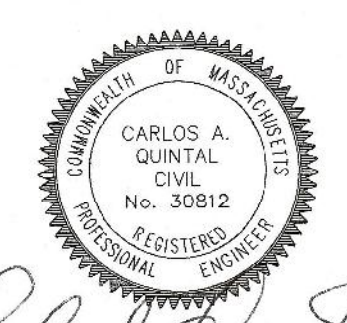
1 SPACE / 2.5 SEATS
 40 SEATS / 2.5 = 16 SPACES
 2,535 SF / 500 = 5.07 SPACES
 16 + 5.07 = 21.07 SPACES -> 22 SPACES

ASSESSOR'S REFERENCE: 287-065
 DEED REFERENCE:
 DEED BOOK 37165 PAGE 391
 PLAN REFERENCES:
 PLAN 375 of 1922 DEED BOOK 1523 PAGE 421
 PLAN BOOK 159 PLAN 159 of 1988
 PLAN BOOK 367 PLAN 405 of 1988
 ZONING: COMMERCIAL 1
 AREA - 5,000 SF
 FRONTAGE - 50'
 FRONT - 20'
 SIDE - 10'
 REAR - 15'

KITCHEN 408 SF	REST ROOMS 240 SF	WINE PRODUCTION 1,800 SF	WINE STORAGE 1,911 SF
SEATING AREA 1,517 SF (30 SEATS)	SALES AREA 400 SF		
	WINE BARREL AREA 675 SF		



ANDREW C. MURPHY P.L.S. #35042



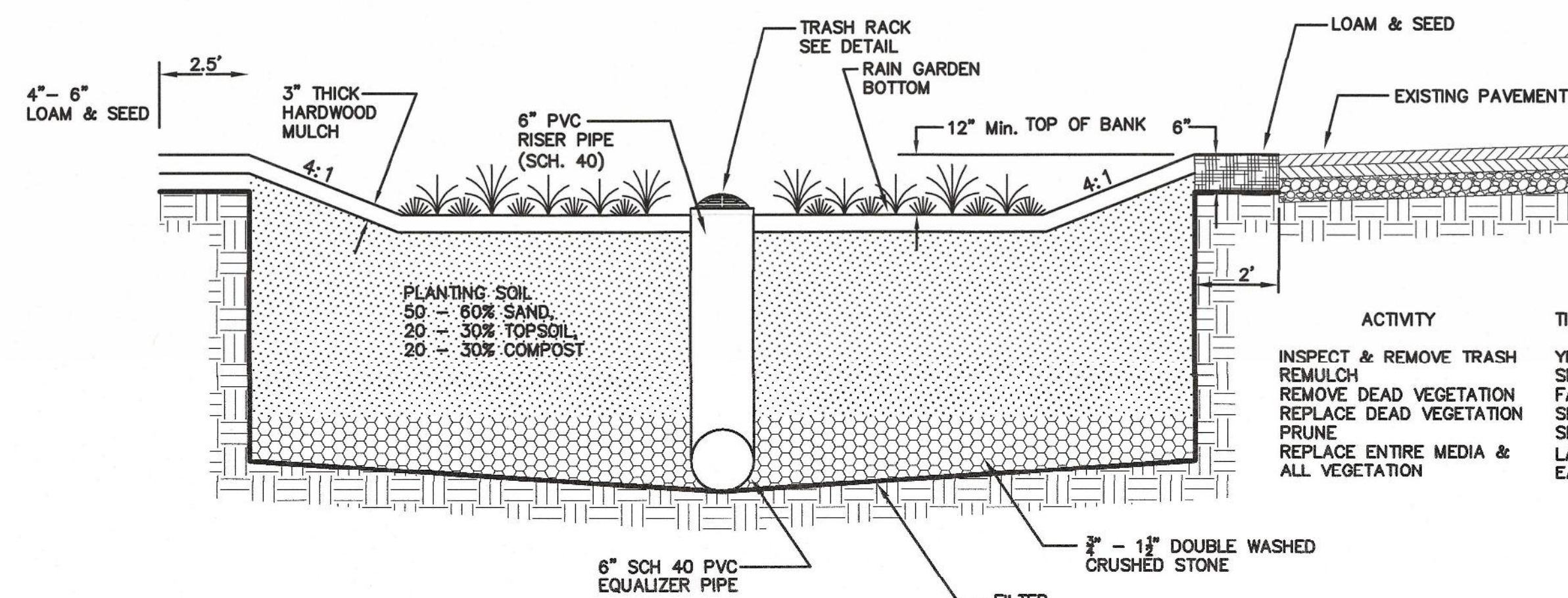
CARLOS A. QUINTAL P.E. #30812

SITE PLAN
 341 UNION STREET
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 ROBERT VOZZELLA
 355 UNION STREET
 FRANKLIN, MASSACHUSETTS

UNITED CONSULTANTS INC.
 850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-384-6560 FAX 508-384-6566

NO.	DATE	DESCRIPTION	BY

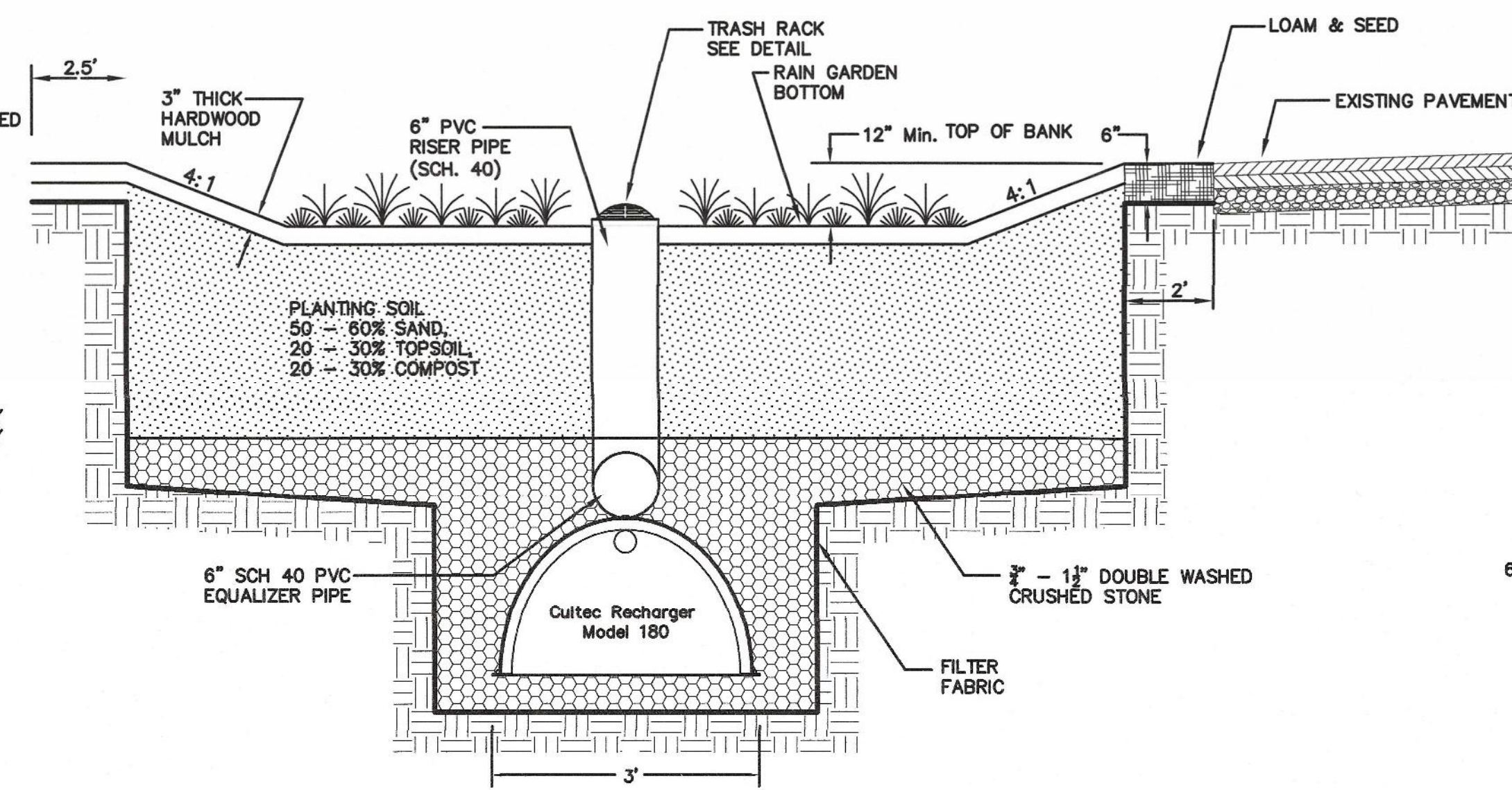
DATE FEBRUARY 4, 2022	PROJECT UC 1554
SCALE 1" = 20'	SHEET 1 of 3



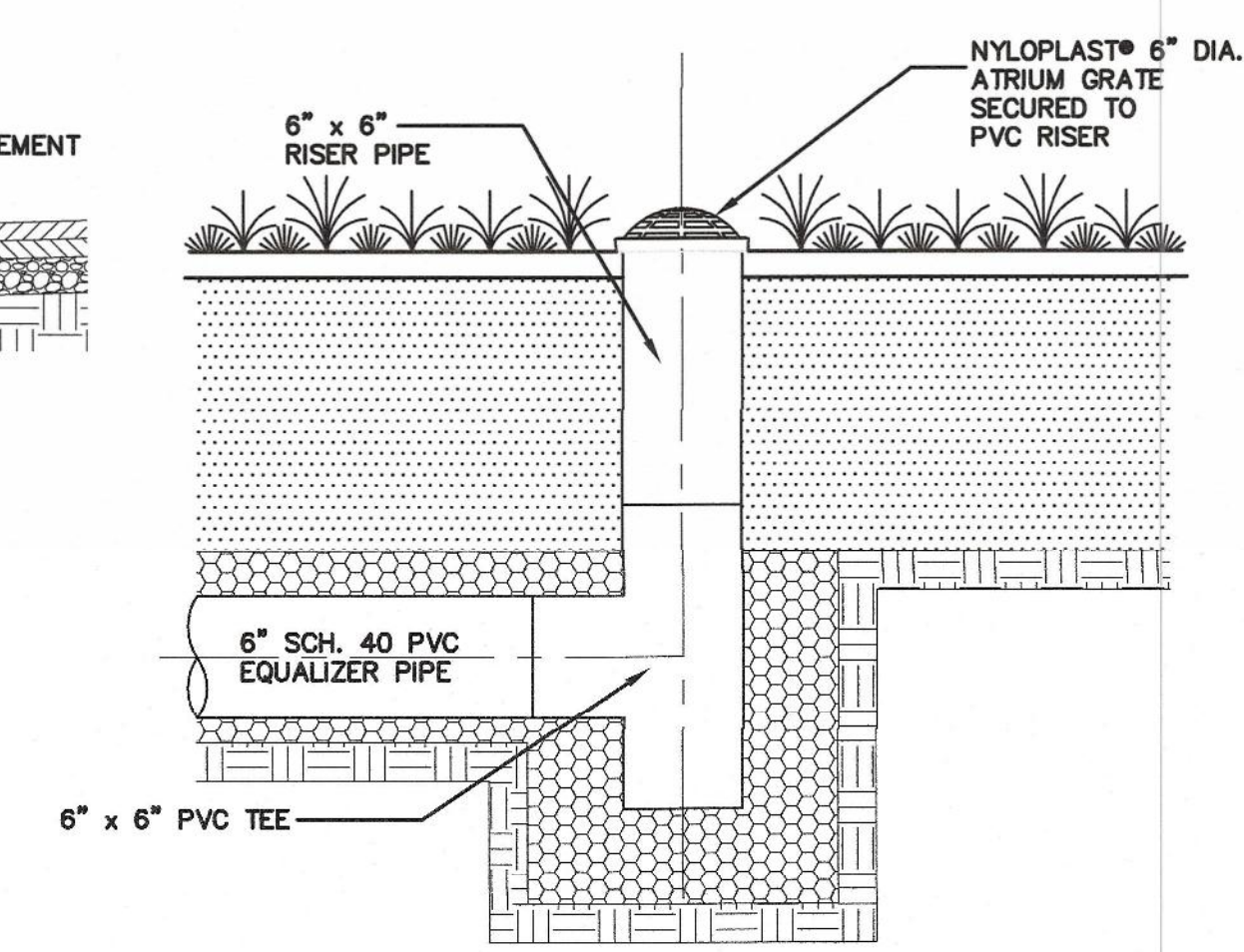
RAIN GARDEN DETAIL

RAIN GARDEN TSS REMOVAL = 80%
 RAIN GARDEN PHOSPHORUS REMOVAL = 60%
 RAIN GARDEN STORAGE VOLUME = 19,814 SF x 0.80 INCHES = 1,307.6 CF
 REQUIRED STORAGE VOLUME PROVIDED = 1,316 CF

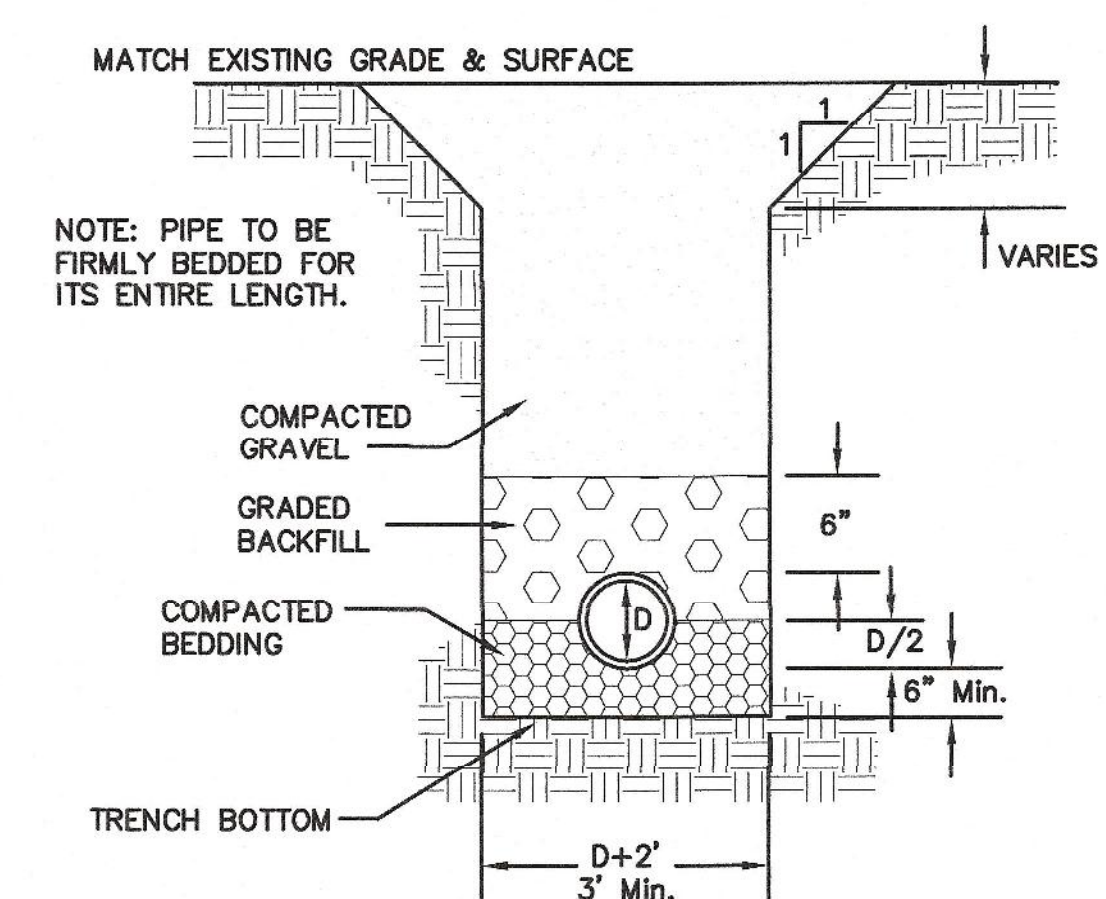
ACTIVITY	TIME OF YEAR	FREQUENCY
INSPECT & REMOVE TRASH	YEAR ROUND	MONTHLY
REMOVE DEAD VEGETATION	SPRING	ANNUALLY
REPLACE DEAD VEGETATION	FALL OR SPRING	BI-ANNUALLY
PRUNE	SPRING OR FALL	ANNUALLY
REPLACE ENTIRE MEDIA & ALL VEGETATION	LATE SPRING / EARLY SUMMER	AS NEEDED



RAIN GARDEN DETAIL WITH CHAMBERS

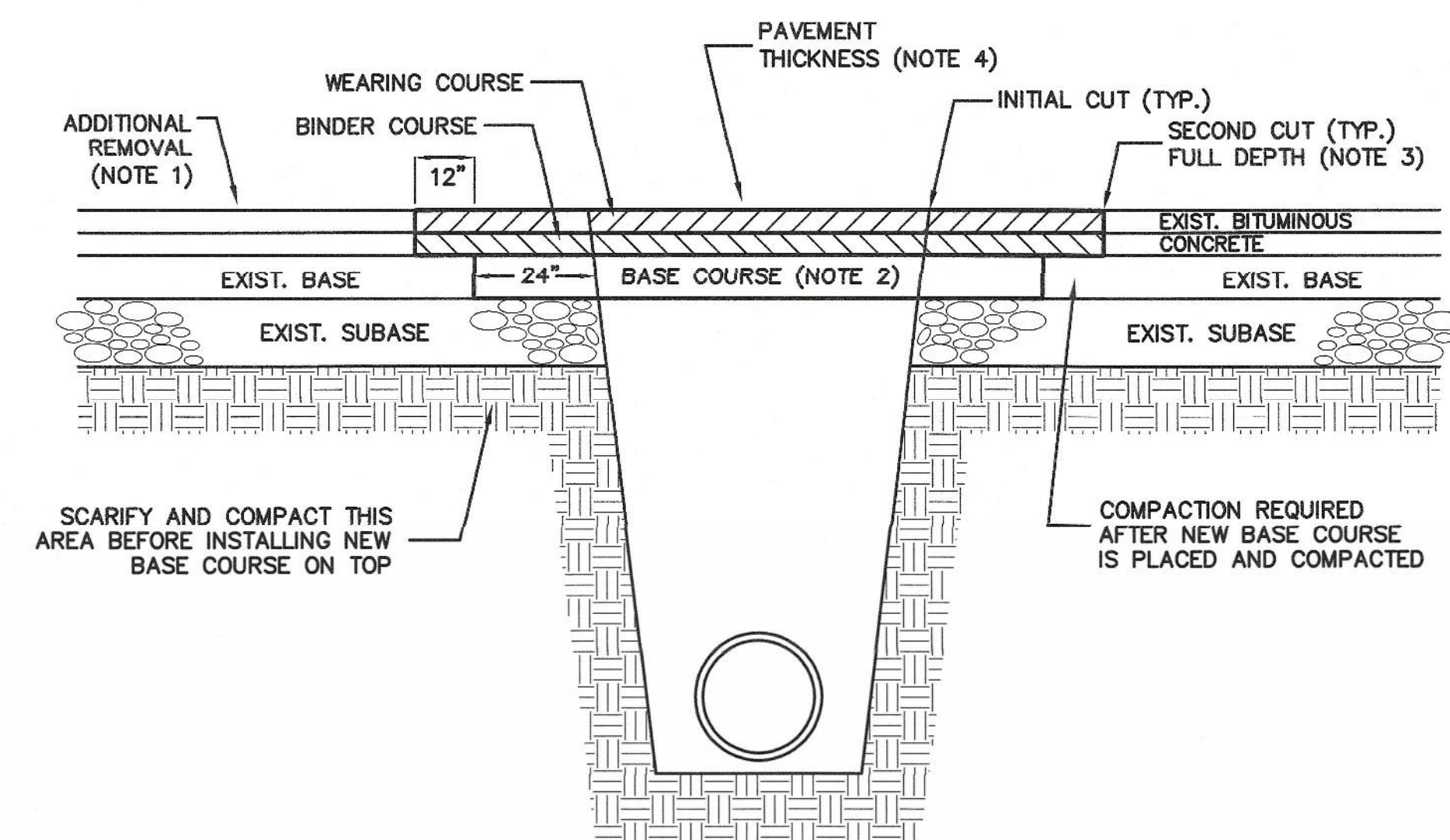


EQUALIZER CLEANOUT DETAIL



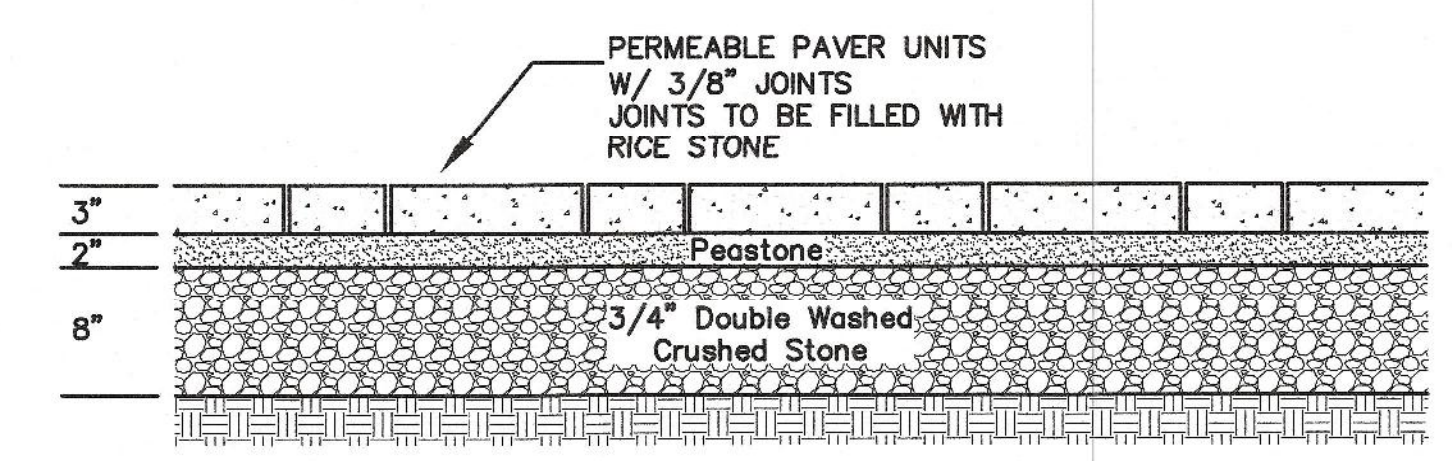
TYPE OF PIPE	SCH. 40 PVC DRAIN	C.I. SEWER
BEDDING MATERIAL	3/4\"	SAND
BACKFILL MATERIAL	3/4\"	SAND

UTILITY TRENCH DETAIL

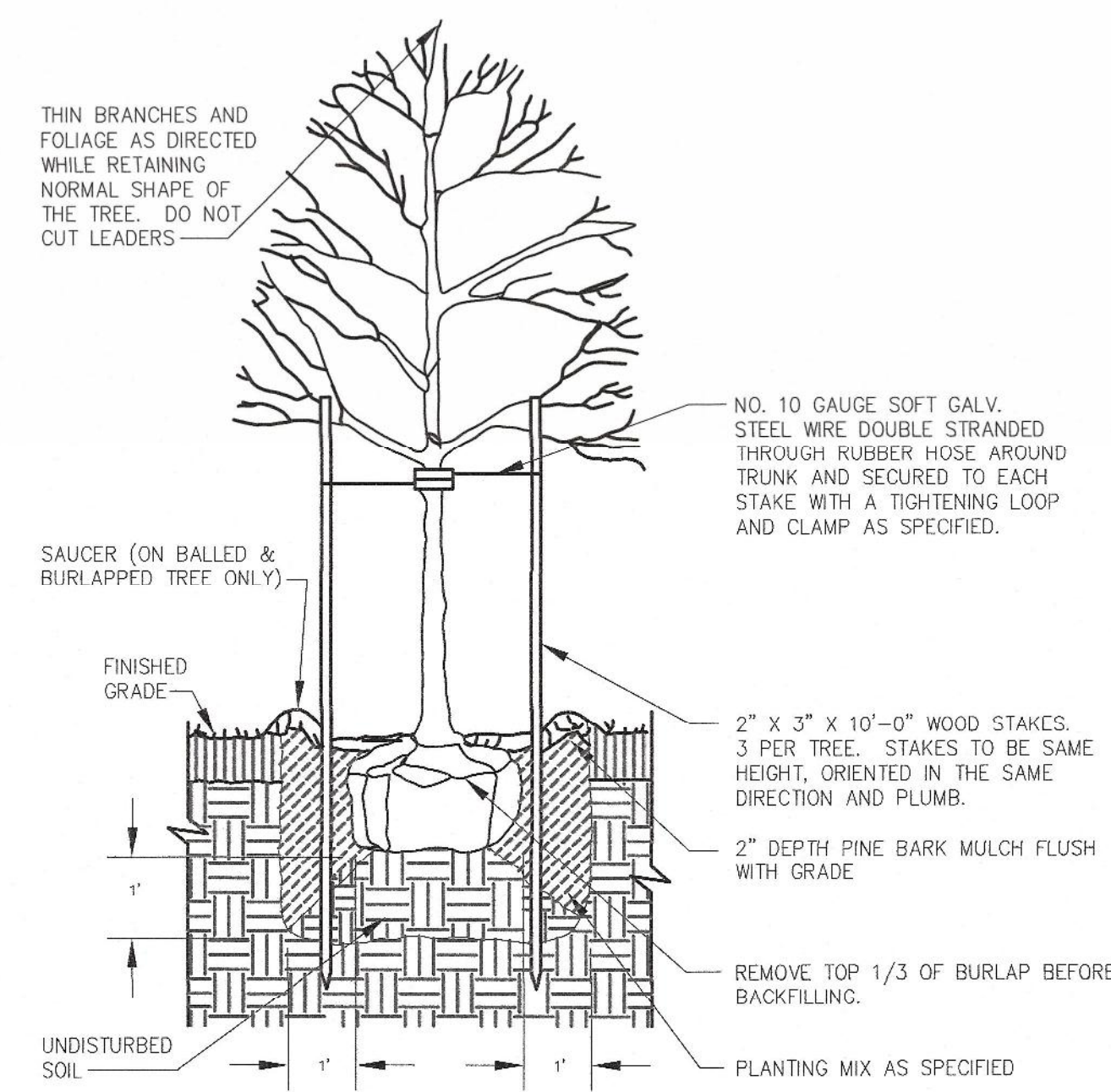


- NOTES:
1. ADDITIONAL PAVEMENT REMOVAL - REMOVE ADDITIONAL PAVEMENT TO A PAINTED LANE STRIPE, A LIP OF A GUTTER, A CURB, AN EXISTING PAVEMENT PATCH, OR AN EDGE OF THE PAVEMENT IF SUCH STREET FEATURE IS WITHIN 2' OF THE SECOND SAWCUT.
 2. NEW BASE COURSE - PROVIDE BASE COURSE MATERIAL IN LIFTS NOT EXCEEDING 8" AFTER COMPACTION. COMPACT TO A MODIFIED PROCTOR DENSITY OF 95% OR GREATER.
 3. TACK COAT - PROVIDE FULL TACK COAT COVERAGE ON ALL VERTICAL SURFACES.
 4. NEW ASPHALT PAVEMENT - INSTALL 2" WEARING COURSE OVER 2" BINDER COURSE. COMPACT THE NEW PAVEMENT TO 96% OF LABORATORY DENSITY OR 94% OF MAXIMUM THEORETICAL DENSITY.

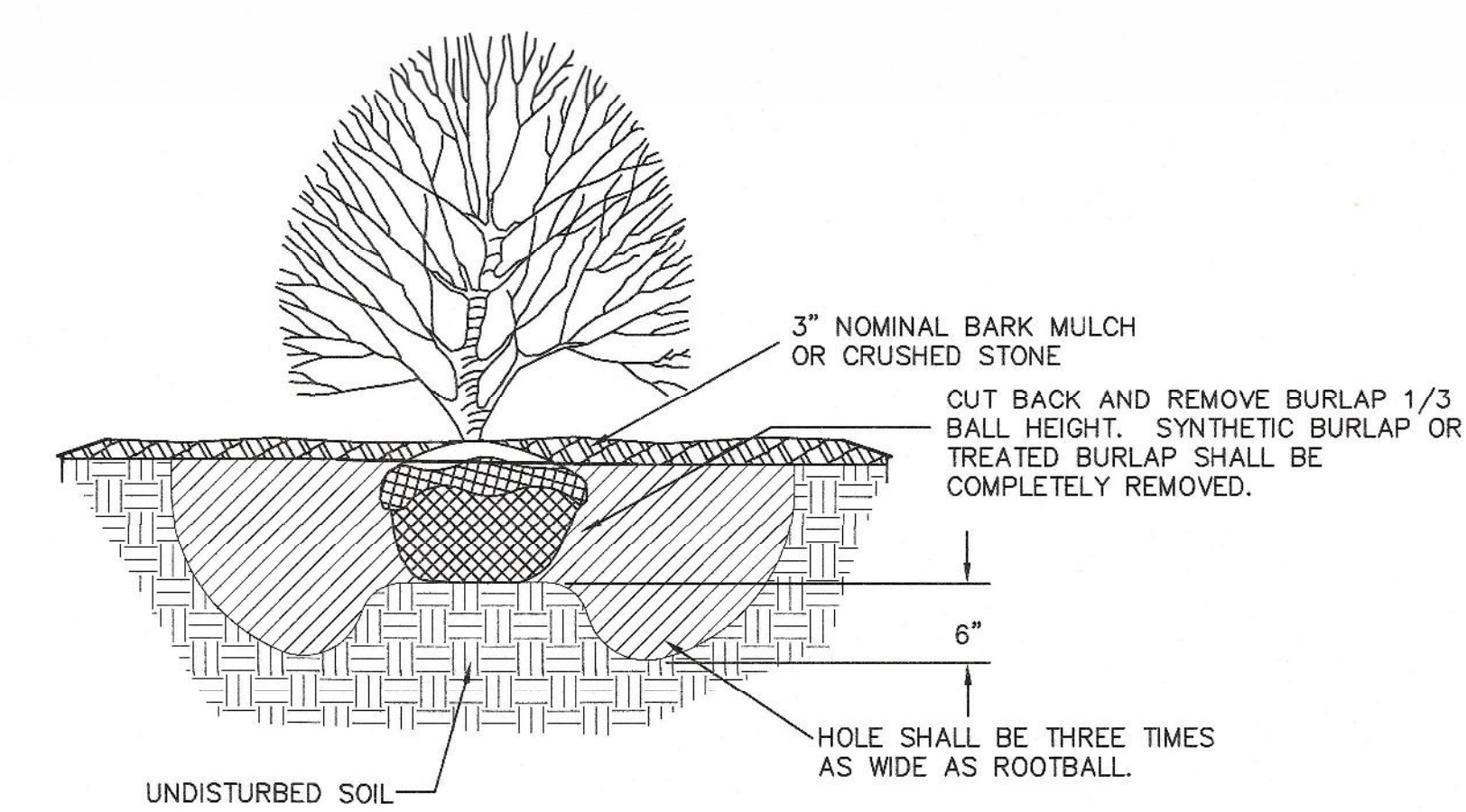
TRENCH PATCHING DETAIL



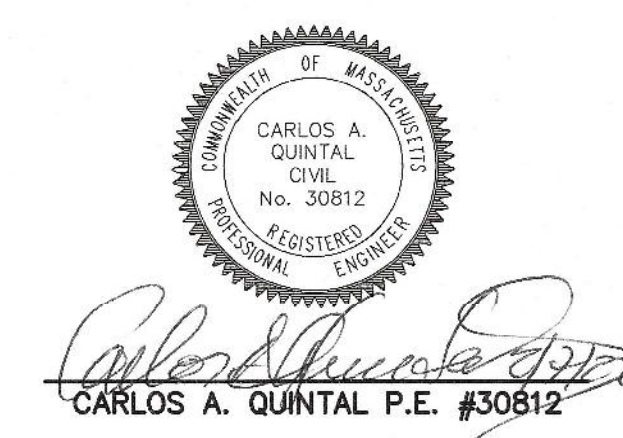
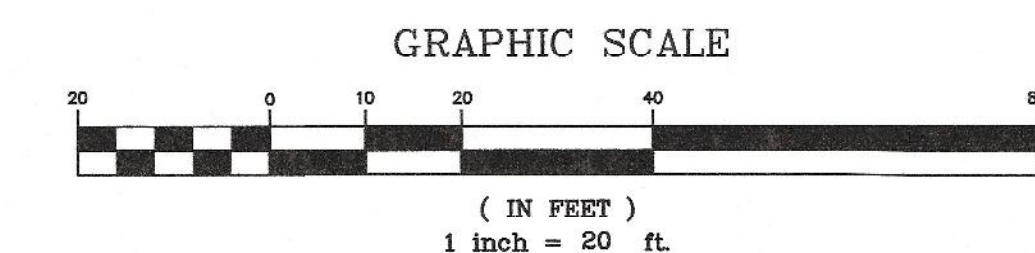
PERMEABLE PAVER PATIO DETAIL



DECIDUOUS TREE PLANTING



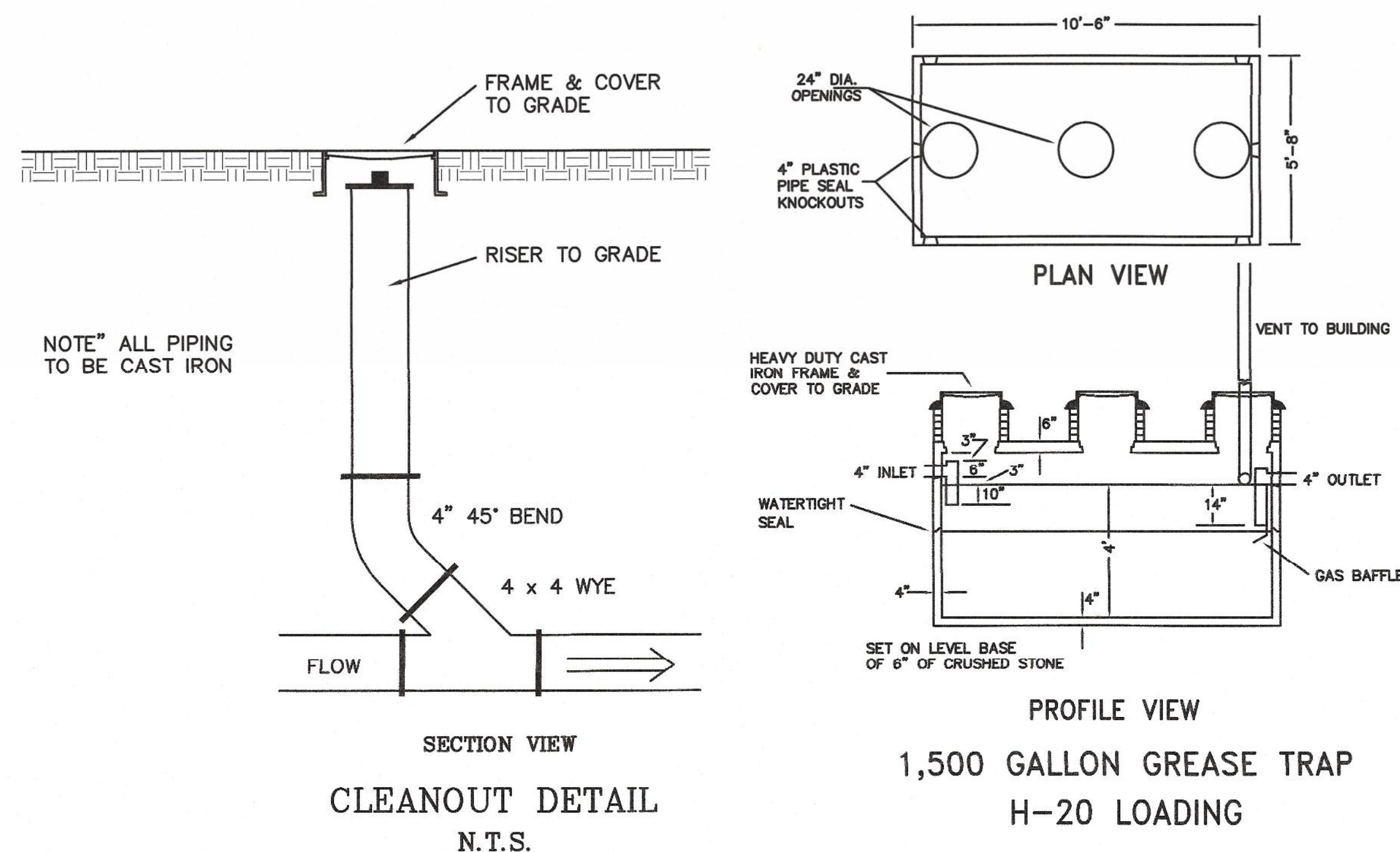
SHRUB PLANTING



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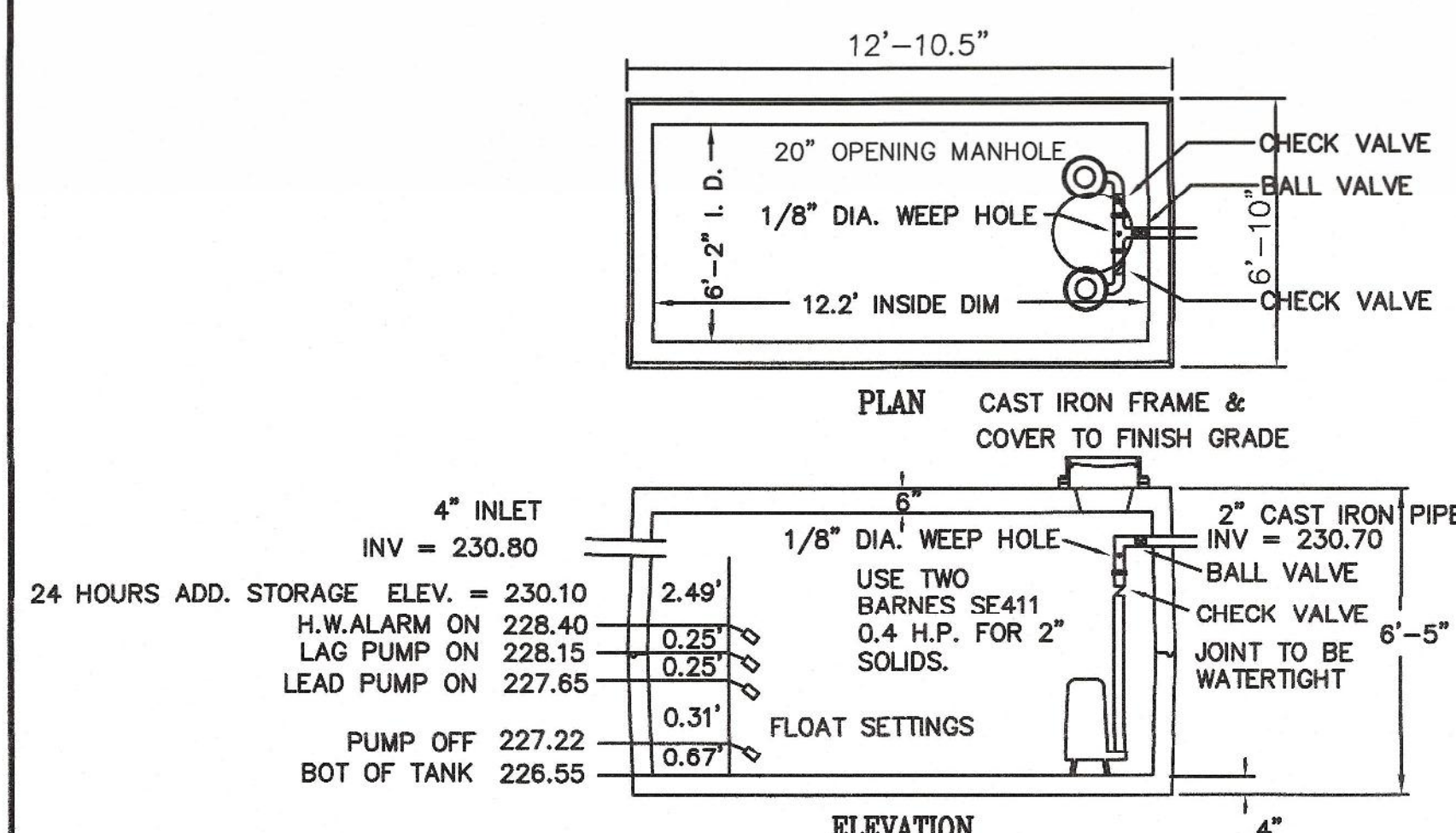
DATE	FEBRUARY 4, 2022	PROJECT	UC 1554
SCALE	1" = 20'	SHEET	2 of 3
NO.	DATE	DESCRIPTION	BY



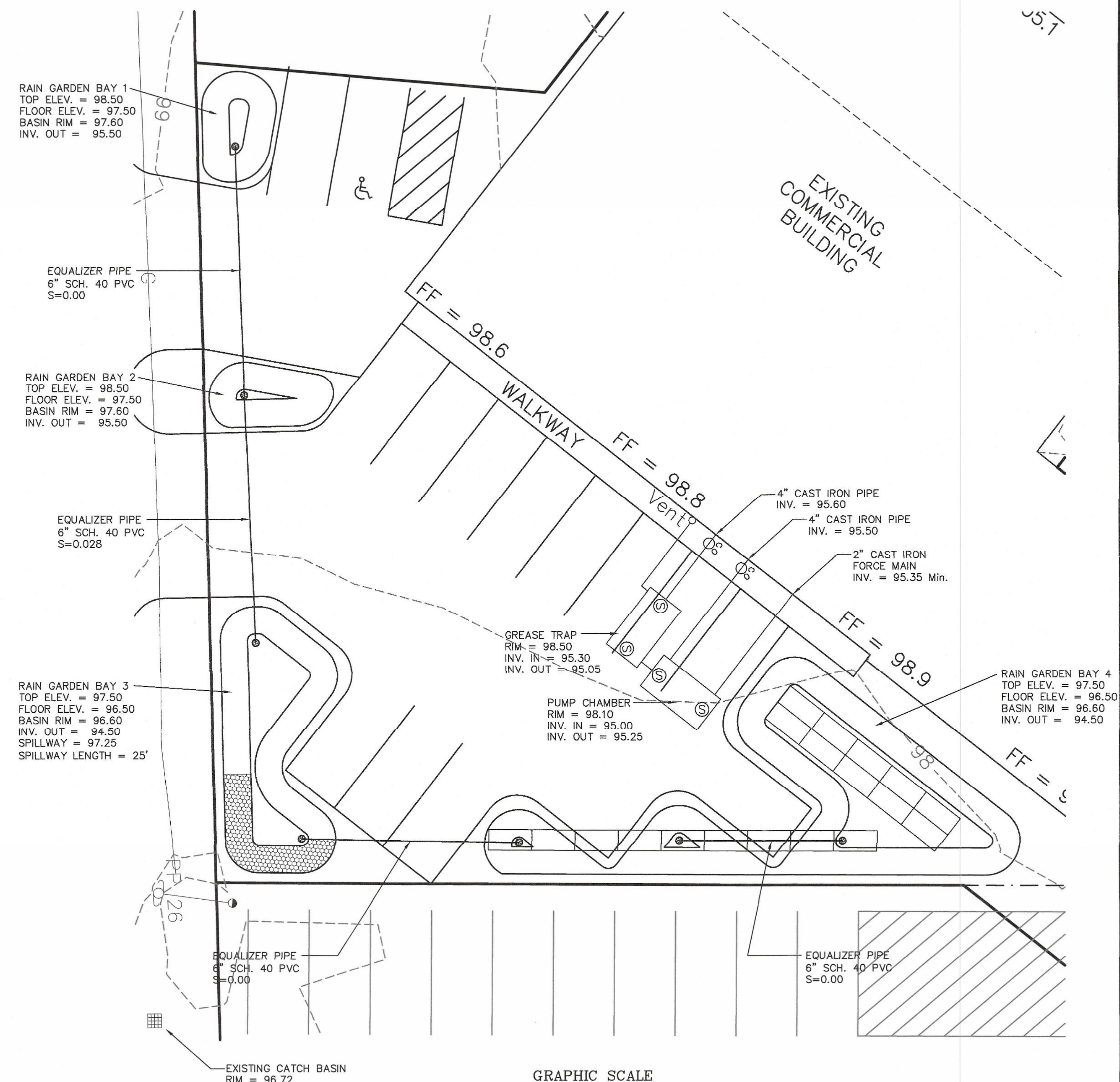
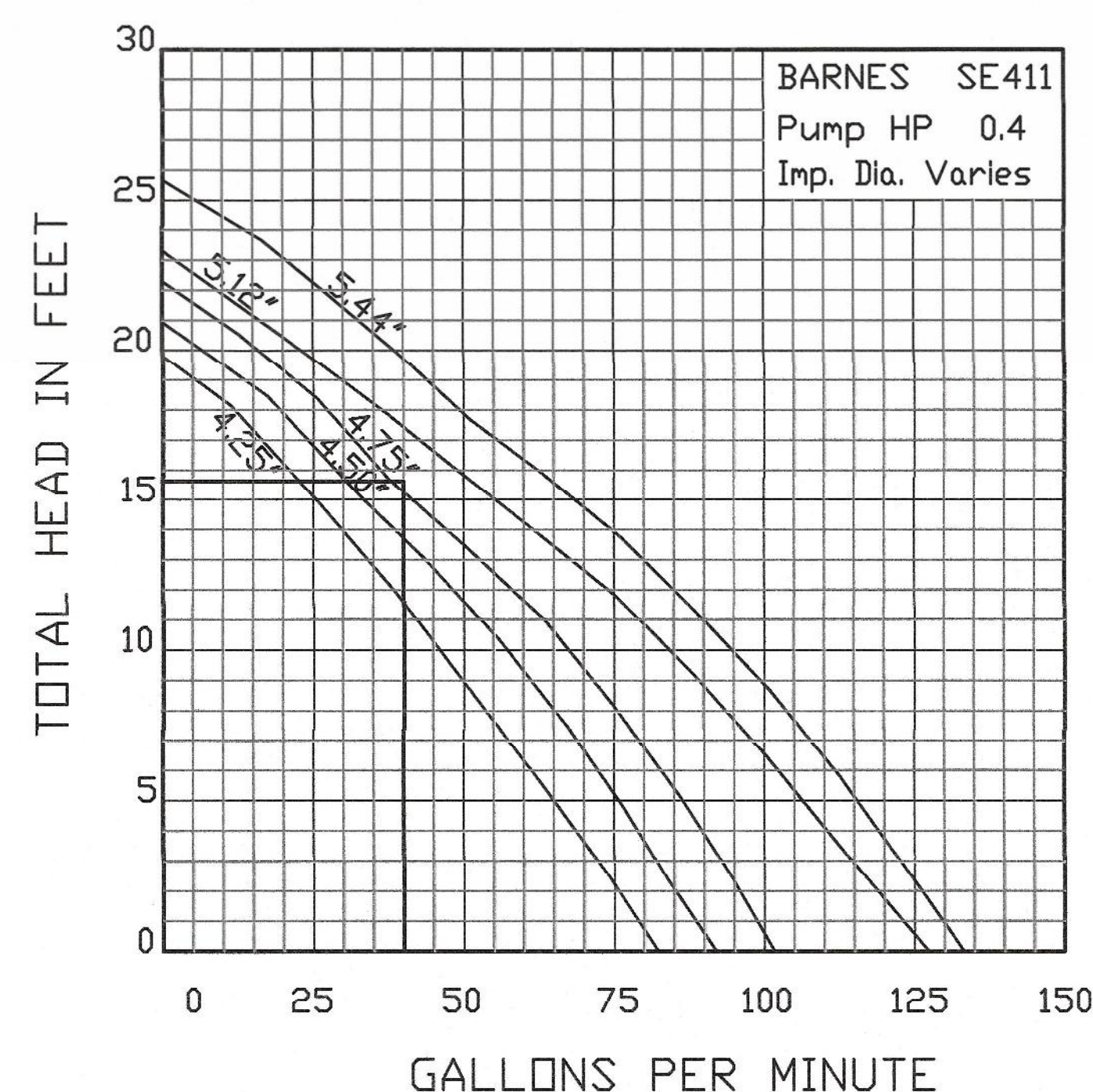
GREASE TRAP SIZING
PER 310 CMR 15.203 15 GPD/SEAT
40 SEATS x 15 GPD/SEAT = 600 GAL
GREASE TRAP CAPACITY = 1,500 GAL

THE PUMP INSTALLATION SHALL INCLUDE A CONTROL PANEL TO BE MOUNTED WITHIN THE BUILDING, WHICH INCLUDES A MANUAL ON-MANUAL OFF-AUTOMATIC ON-OFF SWITCH, A VISIBLE ALARM, AUDIBLE ALARM, AND AUDIBLE ALARM SILENCER SWITCH. THERE SHALL BE A MINIMUM OF 4 FLOAT SWITCHES IN THE PUMP CHAMBER. THE ALARM SHALL BE CONNECTED TO A SEPARATE ELECTRICAL CIRCUIT FROM THE PUMPS. THE PUMP ELECTRICAL SYSTEM SHALL BE EQUIPPED WITH A TRANSFER SWITCH TO ALLOW CONNECTION TO A PORTABLE GENERATOR. THE PUMPS SHALL BE LOCATED UNDER A MANHOLE COVER WHICH SHALL BE INSTALLED TO FINISHED GRADE AND MADE OF A MATERIAL WHICH IS EITHER LOCKABLE OR EXTRA-HEAVY WEIGHT.

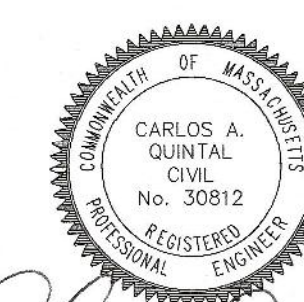
DOSE 8 TIMES DAILY
40 SEATS x 35 GPD/SEAT = 1,400 GPD / 8 = 175 GAL/DOSE
(175/7.48)/(6.16x12.2) = 0.31' DIST BETWEEN ON/OFF FLOAT
H.W. ALARM ON 6" ABOVE DOSE LEVEL
ADDITIONAL 24 HOUR STORAGE (1,400/7.48)/(6.16x12.2) = 2.49'
STATIC HEAD = 10.0'
FRICTION LOSS IN 85' OF 2" FM @ 40 GPM = 5.63'
TOTAL DYNAMIC HEAD = 15.63'
USE 2 BARNES PUMPS SE411 0.4 H.P., 5.12" IMPELLER, 2" SOLIDS PUMPS TO ALTERNATE BETWEEN CYCLES.



E. F. SHEA 2,500 GALLON SEPTIC TANK
OR EQUAL
DESIGNED FOR H 20 LOADING



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DATE: FEBRUARY 4, 2022 PROJECT: UC 1554
SCALE: 1" = 20' SHEET: 3 of 3

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