



NEWTON

COMMONWEALTH OF MASSACHUSETTS
METROPOLITAN DISTRICT COMMISSION
(SEE DOC. No. 425124 AND PLAN)
AREA = 12,685 S.F.

WELLESLEY

CHARLES

PARCEL ID:
27-10

PARCEL ID: 27-18

PARCEL ID: 27-16

PARCEL ID: 27-11

PLAN

GRAPHIC SCALE: 1" = 20'

06/23/2025



REVISIONS:

NO.	COMMENTS:	DATE:

SITE LAYOUT PLAN
49 WALNUT STREET
WELLESLEY, MASSACHUSETTS

DRAWN BY: JSG
DESIGNED BY: CYM
CHECKED BY: CYM

DATE: 06-23-2025



1285 WASHINGTON STREET
WELMOUTH, MA
(781) 335-1464

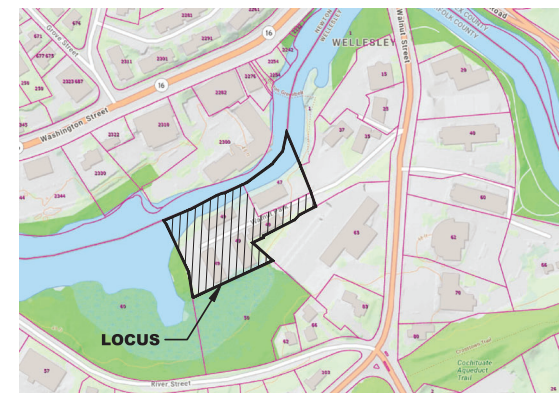
PREPARED FOR:
PERMITTING

SHEET
C-1

PROPERTY OWNER:
CORDINGLY LLC
PID: 27-17
LOT AREA = 73,930 SF

WETLANDS LEGEND
BVW B1-B23
BVW FRINGE A1-A3
INLAND BANK IBI-IB21

LEGEND	
PCC	PRECAST CONCRETE CURB
⑩	TOTAL PARKING COUNT
LOW	LIMIT OF WORK
	POROUS PAVEMENT
	WALKWAY PERMEABLE PAVERS PAVEMENT
	PAVEMENT STRIPING



LOCUS MAP
Approx. Scale: 1"=200'



COMMONWEALTH OF MASSACHUSETTS
METROPOLITAN DISTRICT COMMISSION
(SEE DOC. No. 425124 AND PLAN)
AREA = 12,685 S.F.

NEWTON
RIVER

WELLESLEY

PARCEL ID: 27-18

PARCEL ID: 27-16

PARCEL ID: 27-11

PARCEL ID: 27-10

PLAN

GRAPHIC SCALE: 1" = 20'

06/23/2025



REVISIONS:

NO.	COMMENTS:	DATE:

GRADING AND UTILITY PLAN
49 WALNUT STREET
WELLESLEY, MASSACHUSETTS

DRAWN BY: JSG
DESIGNED BY: CYM
CHECKED BY: CYM

DATE: 06-23-2025



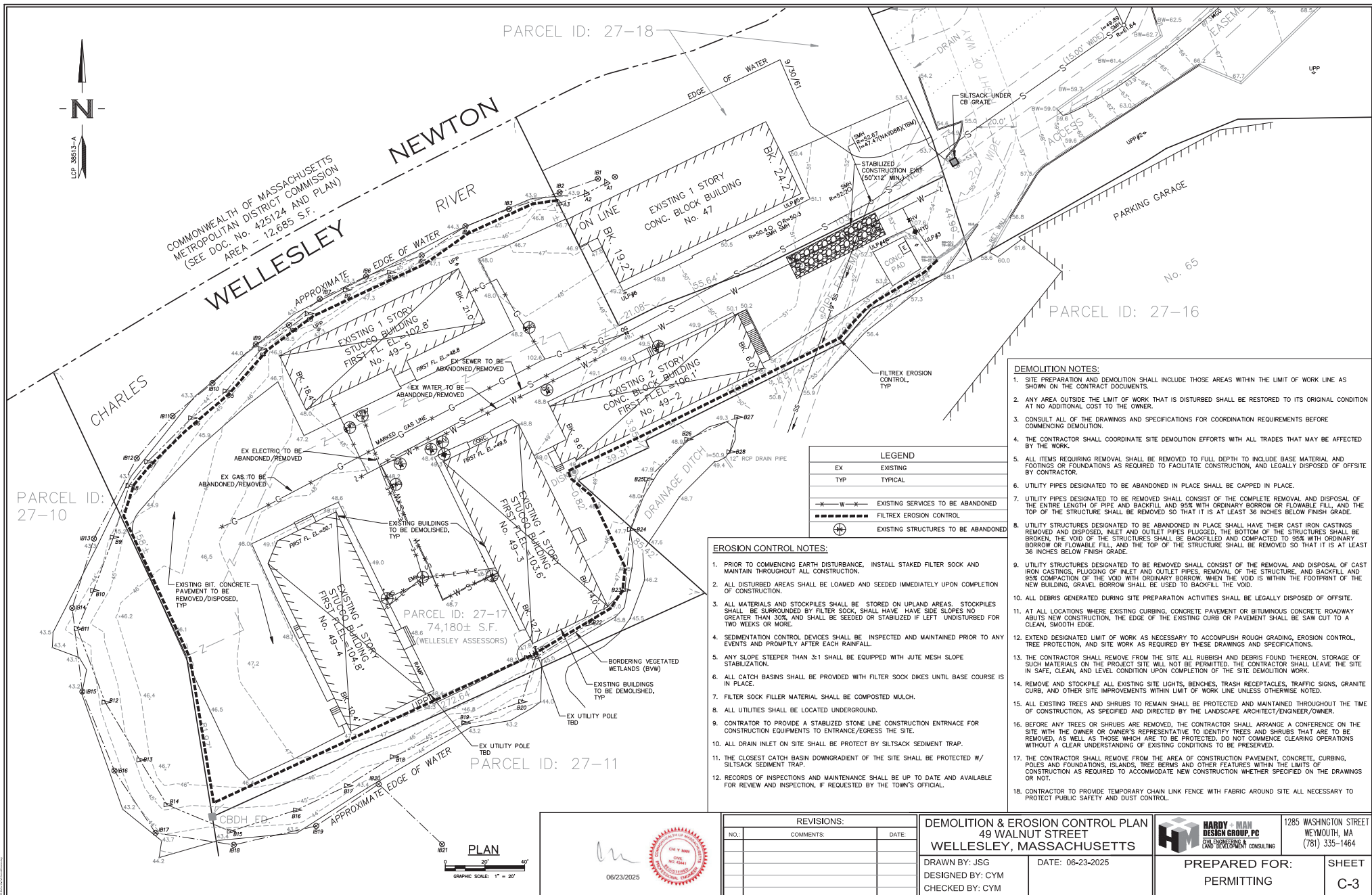
1285 WASHINGTON STREET
WYMOUTH, MA
(781) 335-1464

PREPARED FOR:
PERMITTING

SHEET
C-2

WETLANDS LEGEND
BVW B1-B23
BVW FRINGE A1-A3
INLAND BANK B1-B21

LEGEND	
⊙ SMH	SEWER MANHOLE
FFEL	FINISHED FLOOR ELEVATION
INV	INVERT
SD	STORM DRAIN
SS	SANITARY SEWER
TYP	TYPICAL
FD	PROPOSED FLOOR DRAIN
FM	PROPOSED FORCE MAIN
RD	PROPOSED ROOF DRAIN PIPE
SD	PROPOSED STORM DRAIN PIPE
SS	PROPOSED SANITARY SEWER
W	PROPOSED WATER
47.0(EX)	EXISTING SPOT ELEVATION
47.0-x47.0	PROPOSED SPOT ELEVATION
47	PROPOSED CONTOUR
⊙	PROPOSED FIRE HYDRANT
⊙	PROPOSED WATER VALVE
LOW	LIMIT OF WORK



- DEMOLITION NOTES:**
1. SITE PREPARATION AND DEMOLITION SHALL INCLUDE THOSE AREAS WITHIN THE LIMIT OF WORK LINE AS SHOWN ON THE CONTRACT DOCUMENTS.
 2. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
 3. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING DEMOLITION.
 4. THE CONTRACTOR SHALL COORDINATE SITE DEMOLITION EFFORTS WITH ALL TRADES THAT MAY BE AFFECTED BY THE WORK.
 5. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS REQUIRED TO FACILITATE CONSTRUCTION, AND LEGALLY DISPOSED OF OFFSITE BY CONTRACTOR.
 6. UTILITY PIPES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE CAPPED IN PLACE.
 7. UTILITY PIPES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF THE ENTIRE LENGTH OF PIPE AND BACKFILL AND 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISH GRADE.
 8. UTILITY STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL HAVE THEIR CAST IRON CASTINGS REMOVED AND DISPOSED, INLET AND OUTLET PIPES PLUGGED, THE BOTTOM OF THE STRUCTURES SHALL BE BROKEN, THE VOID OF THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED TO 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISH GRADE.
 9. UTILITY STRUCTURES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF CAST IRON CASTINGS, PLUGGING OF INLET AND OUTLET PIPES, REMOVAL OF THE STRUCTURE, AND BACKFILL AND 95% COMPACTED OF THE VOID WITH ORDINARY BORROW, WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
 10. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFFSITE.
 11. AT ALL LOCATIONS WHERE EXISTING CURBING, CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
 12. EXTEND DESIGNATED LIMIT OF WORK AS NECESSARY TO ACCOMPLISH ROUGH GRADING, EROSION CONTROL, TREE PROTECTION, AND SITE WORK AS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS.
 13. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL RUBBISH AND DEBRIS FOUND THEREON. STORAGE OF SUCH MATERIALS ON THE PROJECT SITE WILL NOT BE PERMITTED. THE CONTRACTOR SHALL LEAVE THE SITE IN SAFE, CLEAN, AND LEVEL CONDITION UPON COMPLETION OF THE SITE DEMOLITION WORK.
 14. REMOVE AND STOCKPILE ALL EXISTING SITE LIGHTS, BENCHES, TRASH RECEPTACLES, TRAFFIC SIGNS, GRANITE CURBS, AND OTHER SITE IMPROVEMENTS WITHIN LIMIT OF WORK LINE UNLESS OTHERWISE NOTED.
 15. ALL EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE TIME OF CONSTRUCTION, AS SPECIFIED AND DIRECTED BY THE LANDSCAPE ARCHITECT/ENGINEER/OWNER.
 16. BEFORE ANY TREES OR SHRUBS ARE REMOVED, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO IDENTIFY TREES AND SHRUBS THAT ARE TO BE REMOVED, AS WELL AS THOSE WHICH ARE TO BE PROTECTED. DO NOT COMMENCE CLEARING OPERATIONS WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
 17. THE CONTRACTOR SHALL REMOVE FROM THE AREA OF CONSTRUCTION PAVEMENT, CONCRETE, CURBING, POLES AND FOUNDATIONS, ISLANDS, TREE BERMS AND OTHER FEATURES WITHIN THE LIMITS OF CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION WHETHER SPECIFIED ON THE DRAWINGS OR NOT.
 18. CONTRACTOR TO PROVIDE TEMPORARY CHAIN LINK FENCE WITH FABRIC AROUND SITE ALL NECESSARY TO PROTECT PUBLIC SAFETY AND DUST CONTROL.

- EROSION CONTROL NOTES:**
1. PRIOR TO COMMENCING EARTH DISTURBANCE, INSTALL STAKED FILTER SOCK AND MAINTAIN THROUGHOUT ALL CONSTRUCTION.
 2. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
 3. ALL MATERIALS AND STOCKPILES SHALL BE STORED ON UPLAND AREAS. STOCKPILES SHALL BE SURROUNDED BY FILTER SOCK, SHALL HAVE HAVE SIDE SLOPES NO GREATER THAN 30%, AND SHALL BE SEEDED OR STABILIZED IF LEFT UNDISTURBED FOR TWO WEEKS OR MORE.
 4. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED AND MAINTAINED PRIOR TO ANY EVENTS AND PROMPTLY AFTER EACH RAINFALL.
 5. ANY SLOPE STEEPER THAN 3:1 SHALL BE EQUIPPED WITH JUTE MESH SLOPE STABILIZATION.
 6. ALL CATCH BASINS SHALL BE PROVIDED WITH FILTER SOCK DIKES UNTIL BASE COURSE IS IN PLACE.
 7. FILTER SOCK FILLER MATERIAL SHALL BE COMPOSTED MULCH.
 8. ALL UTILITIES SHALL BE LOCATED UNDERGROUND.
 9. CONTRACTOR TO PROVIDE A STABILIZED STONE LINE CONSTRUCTION ENTRANCE FOR CONSTRUCTION EQUIPMENTS TO ENTRANCE/EGRESS THE SITE.
 10. ALL DRAIN INLET ON SITE SHALL BE PROTECT BY SILTSACK SEDIMENT TRAP.
 11. THE CLOSEST CATCH BASIN DOWNGRADIENT OF THE SITE SHALL BE PROTECTED W/ SILTSACK SEDIMENT TRAP.
 12. RECORDS OF INSPECTIONS AND MAINTENANCE SHALL BE UP TO DATE AND AVAILABLE FOR REVIEW AND INSPECTION, IF REQUESTED BY THE TOWN'S OFFICIAL.

LEGEND	
EX	EXISTING
TYP	TYPICAL
---	EXISTING SERVICES TO BE ABANDONED
---	FILTREX EROSION CONTROL
---	EXISTING STRUCTURES TO BE ABANDONED

REVISIONS:		
NO.	COMMENTS:	DATE:

DEMOLITION & EROSION CONTROL PLAN
49 WALNUT STREET
WELLESLEY, MASSACHUSETTS

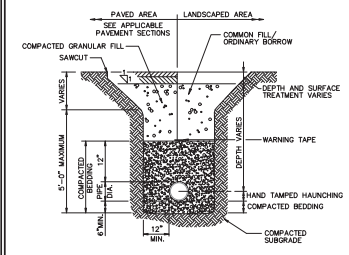
DRAWN BY: JSG
DESIGNED BY: CYM
CHECKED BY: CYM

HARDY + MAN
DESIGN GROUP, PC
CIVIL & ENVIRONMENTAL CONSULTING

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WEYMOUTH, MA
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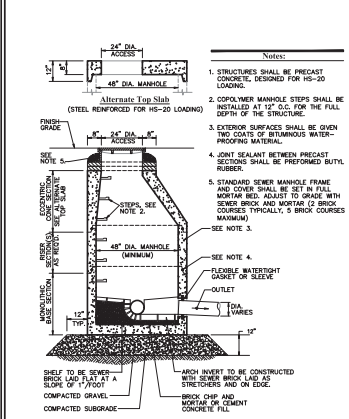
PREPARED FOR:
PERMITTING

SHEET
C-3



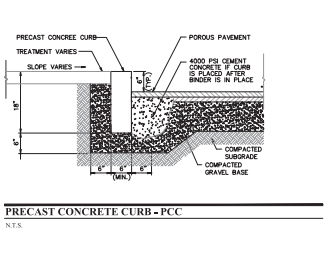
- Notes:
- WHERE UTILITY TRENCHES ARE CONSTRUCTED THROUGH DETENTION BASIN BERMS OR OTHER SUCH SPECIAL SECTIONS, PLACE TRENCH BACKFILL WITH MATERIALS SIMILAR TO THE SPECIAL SECTION REQUIREMENTS.
 - USE METALLIC TRACING/WARNING TAPE OVER ALL PIPES.

UTILITY TRENCH



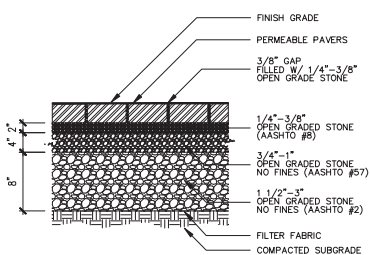
PRECAST CONCRETE SEWER MANHOLE (SMH)

N.T.S.



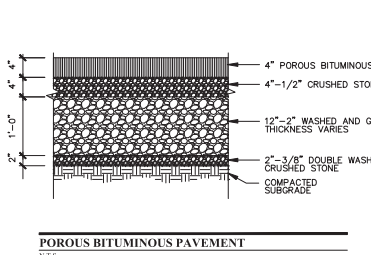
PERMEABLE/POROUS PAVERS AT WALKWAY

N.T.S.



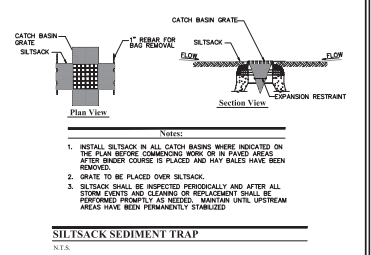
POROUS BITUMINOUS PAVEMENT

N.T.S.



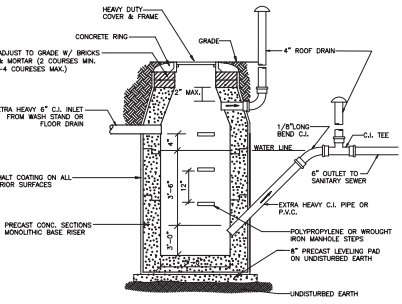
SILTSACK SEDIMENT TRAP

N.T.S.



UTILITY TRENCH

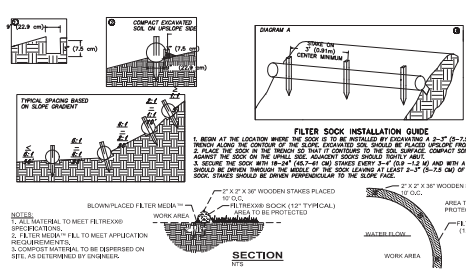
N.T.S.



- Notes:
- STRUCTURES SHALL BE PRECAST CONCRETE, DESIGNED FOR HS-20 LOADING.
 - CONCRETE MANHOLE STEPS SHALL BE INSTALLED AT 12\"/>

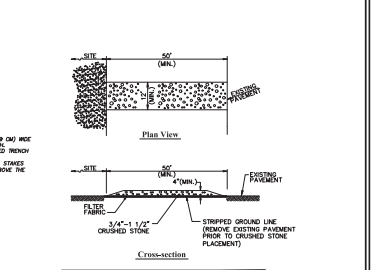
GAS TRAP DETAIL

N.T.S.



FILTER SOCK INSTALLATION GUIDE

N.T.S.



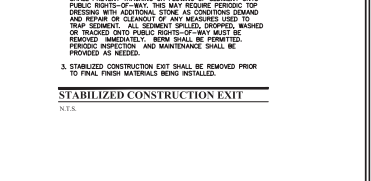
FILTER SOCK

N.T.S.



FILTER SOCK

N.T.S.



FILTER SOCK

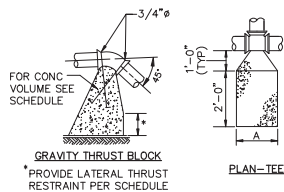
N.T.S.



REVISIONS:		
NO.	COMMENTS:	DATE:

DETAILS PLAN - 1 49 WALNUT STREET WELLESLEY, MASSACHUSETTS	
DRAWN BY: JSG DESIGNED BY: CYM CHECKED BY: CYM	DATE: 06-23-2025

HARDY + MAN DESIGN GROUP, PC CIVIL ENGINEERING & LAND DEVELOPMENT CONSULTING	
1285 WASHINGTON STREET WEYMOUTH, MA (781) 335-1464	
PREPARED FOR: PERMITTING	SHEET C-4

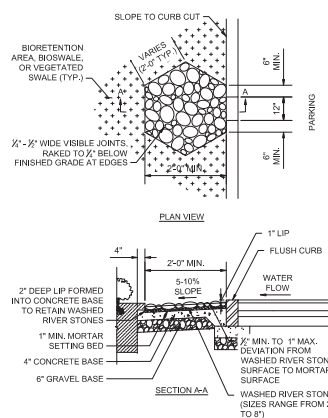
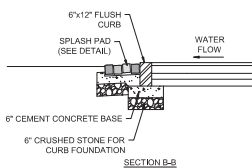
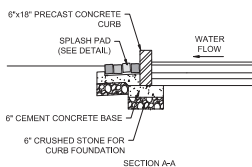
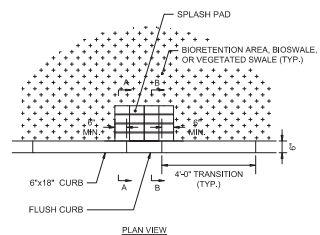


THRUST BLOCK SCHEDULE						
AREA REQUIRED BY TYPE OF FITTINGS (IN SQ. FT.)						
PIPE SIZE OR PLUG	END, TEE BEND	1/4 BEND	1/8 BEND	1/32 BEND	LATERAL RESTRAINT VOL. (CY)	CONC
6"	3.25	4.50	2.50	1.25	0.75	1.00
8"	5.50	8.00	4.25	2.25	1.00	1.75
12"	11.75	16.50	9.00	4.50	2.50	3.50
16"	20.50	29.00	15.75	8.00	4.00	6.00
20"						12.50

NOTE: HEIGHT OF THRUST BLOCK "B" SHOULD BE BETWEEN ONE TO TWO TIMES THE WIDTH OF "A".
THRUST BLOCK SCHEDULE ASSUMES 200 PSI, WATER PRESSURE 5'-6" COVER PIPE AND 3,500 psi SOIL BEARING STRENGTH.

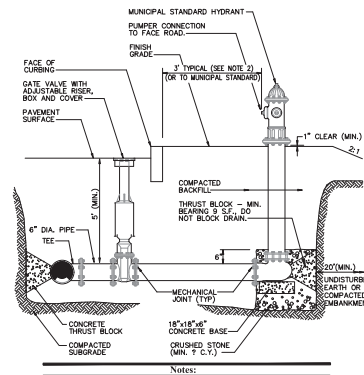
Thrust Block Detail

N.T.S.



SPLASH PAD DETAIL

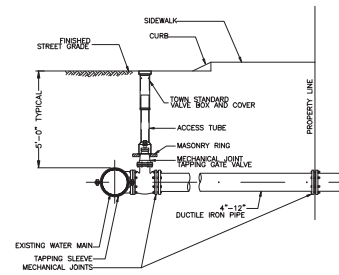
N.T.S.



1. CONCRETE THRUST BLOCKS TO BE USED ONLY WHERE THEY CAN BEAR ON UNDISTURBED EARTH AS SHOWN. USE CLAMPS AND THE RODS OR OTHER ACCEPTABLE METHOD OF JOINT RESTRAINT WHERE SOIL CONDITIONS PROHIBIT THE USE OF THRUST BLOCKS.
2. HYDRANT IN SIDEWALK AREAS TO BE LOCATED TO PROVIDE MINIMUM CLEAR SIDEWALK PASSAGE WIDTH OF 3 FEET AT HYDRANT.

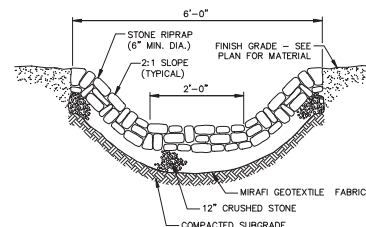
HYDRANT CONSTRUCTION

N.T.S.



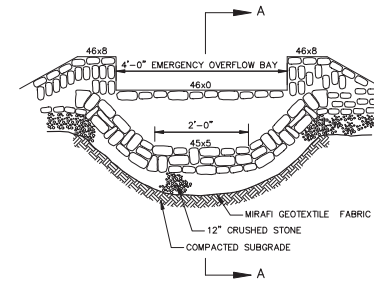
WATER CONNECTION TO EXISTING WATER MAIN

N.T.S.



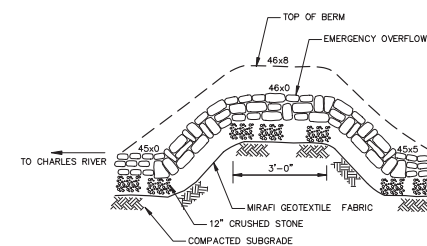
STONE RIP-RAP SWALE TYPICAL

N.T.S.



STONE RIP-RAP SWALE AT EMERGENCY OVERFLOW

N.T.S.



SECTION A-A

NOTES:

1. JUTE MESH - SHOULD BE USED ON SLOPES OF 3:1 OR STEEPER FOR STABILIZATION DURING CONSTRUCTION.
2. LOAM AND SEED SHALL NOT BE USED IN THE VEGETATED SWALE.
3. SCARP SUBGRADE TO A MIN. DEPTH OF 6\"/>

BIORETENTION VEGETATED AREA

N.T.S.

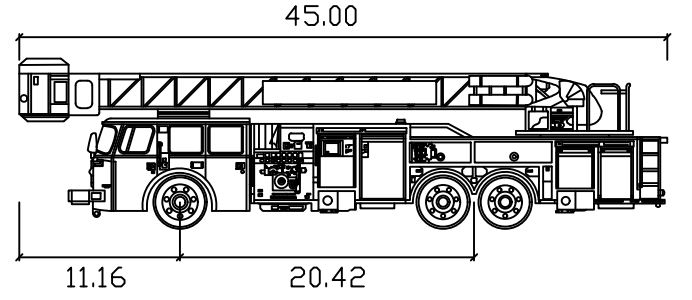
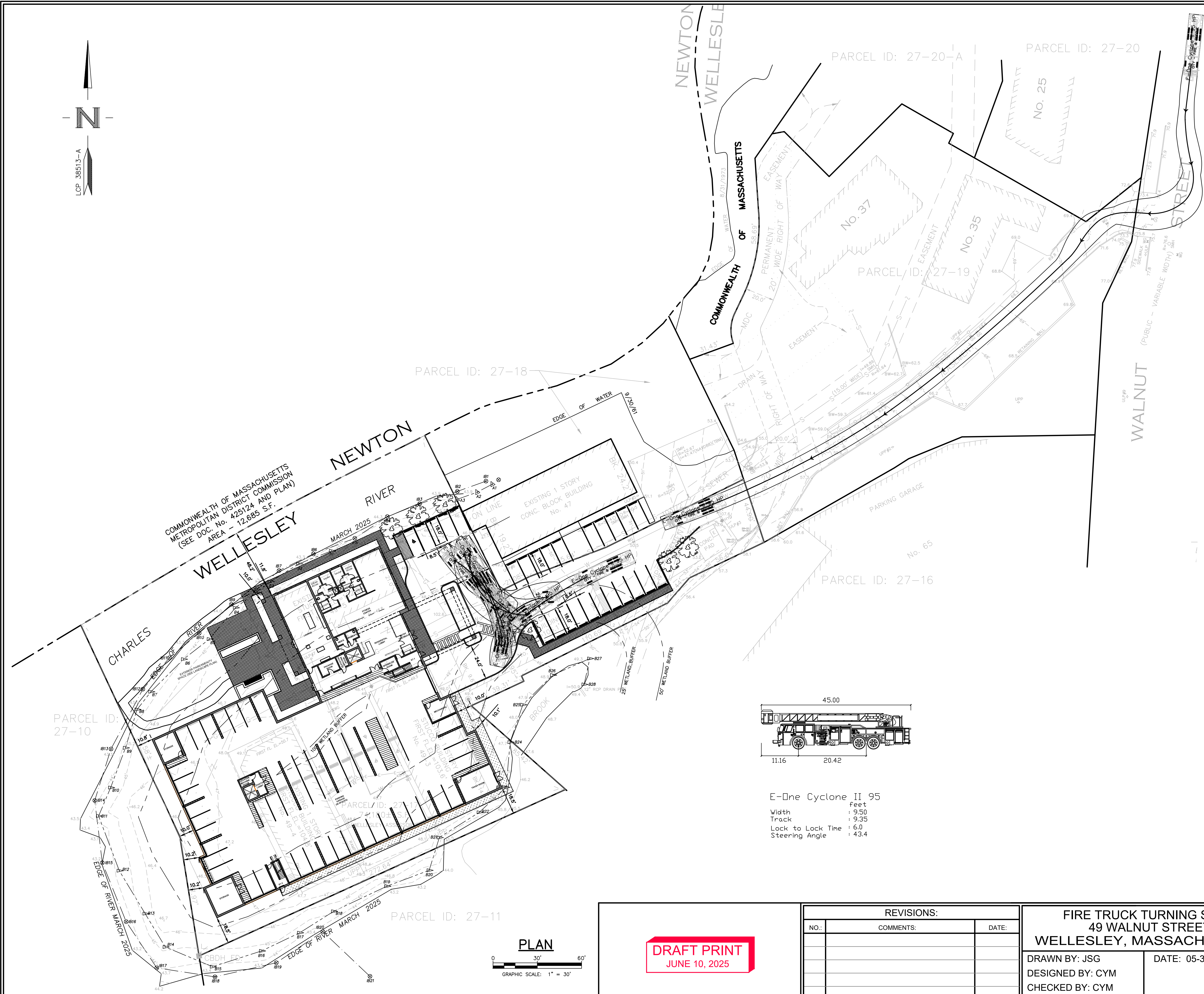
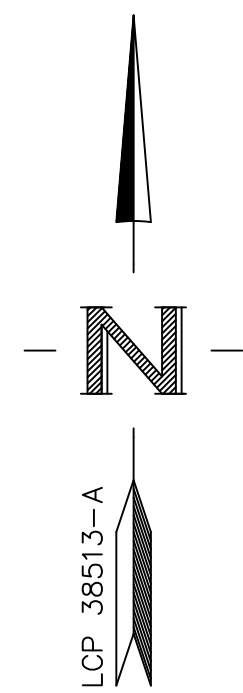
06/23/2025



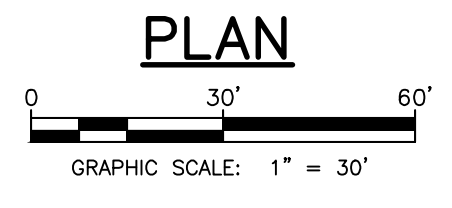
REVISIONS:		
NO.	COMMENTS:	DATE:

DETAILS PLAN - 2 49 WALNUT STREET WELLESLEY, MASSACHUSETTS		
DRAWN BY: JSG	DATE: 06-23-2025	
DESIGNED BY: CYM		
CHECKED BY: CYM		

HARDY + MAN DESIGN GROUP, PC Civil Engineering & Construction Consulting		1285 WASHINGTON STREET WEYMOUTH, MA (781) 335-1464
PREPARED FOR: PERMITTING		SHEET C-5



E-One Cyclone II 95
Width : 9.50
Track : 9.35
Lock to Lock Time : 6.0
Steering Angle : 43.4



DRAFT PRINT
JUNE 10, 2025

REVISIONS:		
NO.:	COMMENTS:	DATE:

FIRE TRUCK TURNING STUDY 49 WALNUT STREET WELLESLEY, MASSACHUSETTS		
DRAWN BY: JSG	DATE: 05-30-2025	
DESIGNED BY: CYM		
CHECKED BY: CYM		

HARDY + MAN DESIGN GROUP, PC CIVIL ENGINEERING & LAND DEVELOPMENT CONSULTING	1285 WASHINGTON STREET WEYMOUTH, MA (781) 335-1464	
	PREPARED FOR: PERMITTING	SHEET C-1A