Site Plans

Issued for: **Final Level PUD Approval- Final Submission**

Date Issued: July 11, 2014

Latest Issue: July 11, 2014

Sheet Index

Number	Drawing Title	Latest Issue
C-1	Legend and General Notes	07/11/2014
C-2	Neighborhood Context Map 1	07/11/2014
C-3	Neighborhood Context Map 2	07/11/2014
C-4	Overall Site Plan 1	07/11/2014
C-5	Overall Site Plan 2	07/11/2014
C-6	Layout and Materials Plan	07/11/2014
C-7	Grading, Drainage and Erosion Control Plan	07/11/2014
C-8	Utility Plan	07/11/2014
C-9	Turning Template Plan	07/11/2014

Bound Separately

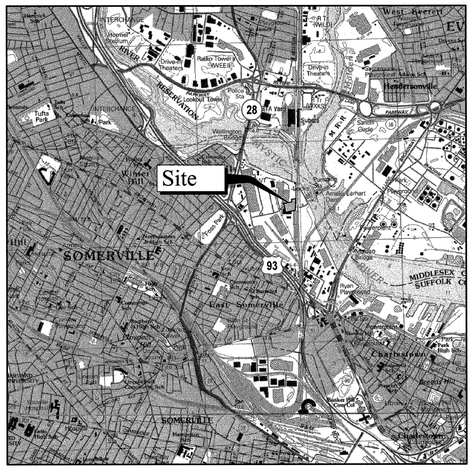
A-1	Architectural Plans	07/11/2014

Reference Plans

1-13	As Built Utility Plans	03/09/2012

Assembly Row Block 6

Assembly Row
Somerville, Massachusetts



Site Location Map

Property Owners

Federal Realty
INVESTMENT TRUST

Owner/Applicant:
Street Retail, Inc.
1626 East Jefferson Street
Rockville, MD 20852
(P) 617-684-1500

ADD Inc ARCHITECTURE + DESIGN

Architect:
ADD Inc
311 Summer Street
Boston, MA 02210
(P) 617-234-3100

VHB

Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

COMMONWEALTH OF MASSACHUSETTS
HUGH G HAHN
CIVIL
No. 42679
REGISTERED PROFESSIONAL ENGINEER
07/21/14

VHB Project No. 08518.05
Assembly Row, Somerville, Massachusetts
Issued for: Final Level PUD Approval- Final Submission

\\VHB\PROJ\WAT-LD\08518.05\CAD\LD\PLANSET\BLOCK 6-50 SPECIAL PERMIT\08518DS_BL6SP-COV 3 December 2006

Saved Monday, June 09, 2014 1:00:07 PM TIMOTHYHAYES Plotted Friday, July 11, 2014 2:14:55 PM Hayes, Tim

\\VHB\VRW\WATER\08518.05\CAD\LD PLANS\BLOCK 6-SP SPECIAL PERMIT\08518.05_BL6SP-LG

Legend

Exist.	Prop.	
		PROPERTY LINE
		PROJECT LIMIT LINE
		RIGHT-OF-WAY/PROPERTY LINE
		EASEMENT
		BUILDING SETBACK
		PARKING SETBACK
10+00	10+00	BASELINE
		CONSTRUCTION LAYOUT
		ZONING LINE
		TOWN LINE
		LIMIT OF DISTURBANCE
		WETLAND LINE WITH FLAG
		FLOODPLAIN
BLSF	BLSF	BORDERING LAND SUBJECT TO FLOODING
BZ	BZ	WETLAND BUFFER ZONE
NDZ	NDZ	NO DISTURB ZONE
200'RA	200'RA	200' RIVERFRONT AREA
		GRAVEL ROAD
EOP		EDGE OF PAVEMENT
BB	BB	BITUMINOUS BERM
BC	BC	BITUMINOUS CURB
CC	CC	CONCRETE CURB
CG	CG	CURB AND GUTTER
CC	ECC	EXTRUDED CONCRETE CURB
CC	MCC	MONOLITHIC CONCRETE CURB
CC	PCC	PRECAST CONC. CURB
SGE	SGE	SLOPED GRAN. EDGING
VGC	VGC	VERT. GRAN. CURB
		LIMIT OF CURB TYPE
		SAWCUT
		BUILDING
	EN	BUILDING ENTRANCE
	LD	LOADING DOCK
		BOLLARD
D	D	DUMPSTER PAD
		SIGN
		DOUBLE SIGN
		STEEL GUARDRAIL
		WOOD GUARDRAIL
		PATH
		TREE LINE
		WIRE FENCE
		FENCE
		STOCKADE FENCE
		STONE WALL
		RETAINING WALL
		STREAM / POND / WATER COURSE
		DETENTION BASIN
		HAY BALES
		SILT FENCE
4	4	MINOR CONTOUR
20	20	MAJOR CONTOUR
10	10	PARKING COUNT
C10	C10	COMPACT PARKING STALLS
DYL	DYL	DOUBLE YELLOW LINE
SL	SL	STOP LINE
		CROSSWALK
		ACCESSIBLE CURB RAMP
		ACCESSIBLE PARKING
VAN	VAN	VAN-ACCESSIBLE PARKING

Exist.	Prop.	
		CONCRETE
		HEAVY DUTY PAVEMENT
		RIPRAP
		CONSTRUCTION ENTRANCE
27.35 TC×	27.35 TC×	TOP OF CURB ELEVATION
26.85 BC×	26.85 BC×	BOTTOM OF CURB ELEVATION
132.75 ×	132.75 ×	SPOT ELEVATION
45.0 TW× 38.5 BW×	45.0 TW× 38.5 BW×	TOP & BOTTOM OF WALL ELEVATION
		BORING LOCATION
		TEST PIT LOCATION
MW	MW	MONITORING WELL
UD	UD	UNDERDRAIN
12"D	12"D	DRAIN
6"RD	6"RD	ROOF DRAIN
12"S	12"S	SEWER
FM	FM	FORCE MAIN
OHW	OHW	OVERHEAD WIRE
6"W	6"W	WATER
4"FP	4"FP	FIRE PROTECTION
	2"DW	DOMESTIC WATER
3"G	G	GAS
E	E	ELECTRIC
STM	STM	STEAM
T	T	TELEPHONE
FA	FA	FIRE ALARM
CATV	CATV	CABLE TV
		CATCH BASIN
		DOUBLE CATCH BASIN
		GUTTER INLET
		DRAIN MANHOLE
TD		TRENCH DRAIN
		PLUG OR CAP
CO	CO	CLEANOUT
		FLARED END SECTION
		HEADWALL
S		SEWER MANHOLE
CS	CS	CURB STOP & BOX
WV	WV	WATER VALVE & BOX
TSV	TSV	TAPPING SLEEVE, VALVE & BOX
		SIAMESE CONNECTION
HYD	HYD	FIRE HYDRANT
WM	WM	WATER METER
PIV	PIV	POST INDICATOR VALVE
W	W	WATER WELL
GG	GG	GAS GATE
GM	GM	GAS METER
E	EMH	ELECTRIC MANHOLE
EM	EM	ELECTRIC METER
		LIGHT POLE
T	TMH	TELEPHONE MANHOLE
T	T	TRANSFORMER PAD
		UTILITY POLE
		GUY POLE
		GUY WIRE & ANCHOR
HH	HH	HAND HOLE
PB	PB	PULL BOX
Matchline		MATCHLINE

Abbreviations

General

ABAN	ABANDON
ACR	ACCESSIBLE CURB RAMP
ADJ	ADJUST
APPROX	APPROXIMATE
BIT	BITUMINOUS
BS	BOTTOM OF SLOPE
BWLL	BROKEN WHITE LANE LINE
CONC	CONCRETE
DYCL	DOUBLE YELLOW CENTER LINE
EL	ELEVATION
ELEV	ELEVATION
EXIST	EXISTING
FDN	FOUNDATION
FFE	FIRST FLOOR ELEVATION
GRAN	GRANITE
GTD	GRADE TO DRAIN
LA	LANDSCAPE AREA
LOD	LIMIT OF DISTURBANCE
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PERF	PERFORATED
PROP	PROPOSED
REM	REMOVE
RET	RETAIN
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
SWEL	SOLID WHITE EDGE LINE
SWLL	SOLID WHITE LANE LINE
TS	TOP OF SLOPE
TYP	TYPICAL

Utility

CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
DCB	DOUBLE CATCH BASIN
DMH	DRAIN MANHOLE
CIP	CAST IRON PIPE
COND	CONDUIT
DIP	DUCTILE IRON PIPE
FES	FLARED END SECTION
FM	FORCE MAIN
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
GI	GUTTER INLET
GT	GREASE TRAP
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HH	HANDHOLE
HW	HEADWALL
HYD	HYDRANT
INV	INVERT ELEVATION
I=	INVERT ELEVATION
LP	LIGHT POLE
MES	METAL END SECTION
PWW	PAVED WATER WAY
PVC	POLYVINYLCHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
R=	RIM ELEVATION
SMH	SEWER MANHOLE
TSV	TAPPING SLEEVE, VALVE AND BOX
UG	UNDERGROUND
UP	UTILITY POLE

Notes:

General

1. CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
3. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE SIX INCHES LOAM AND SEED.
4. WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
5. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
6. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
7. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
8. CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
9. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
10. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
11. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE NPDES CONSTRUCTION GENERAL PERMIT (CGP) PROGRAM AND EPA JURISDICTION. PRIOR TO THE START OF CONSTRUCTION CONTRACTOR IS TO FILE A CGP NOTICE OF INTENT WITH THE EPA AND PREPARE A STORMWATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE NPDES REGULATIONS. CONTRACTOR SHALL CONFIRM THE OWNER HAS ALSO FILED A NOTICE OF INTENT WITH THE EPA.

Utilities

1. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR IT'S REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
3. A MAJORITY OF THE UTILITY IMPROVEMENTS WITHIN THE EXISTING AND FUTURE ASSEMBLY SQUARE DRIVE ROADWAY LIMITS HAVE BEEN CONSTRUCTED BY OTHERS IN 2009. THIS WORK WAS PROPOSED UNDER THE "ASSEMBLY SQUARE UTILITY IMPROVEMENTS" PLANS DATED JULY 3, 2009, REVISED THROUGH AUGUST 1, 2009. AVAILABLE AS-BUILT INFORMATION IS SHOWN ON THESE PLANS BUT SHALL BE VERIFIED BY THE CONTRACTOR. COMPLETE AS-BUILT PLANS WILL BE FURNISHED UPON REQUEST.
4. SET CATCH BASIN RIMS, AND INVERTS OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND UTILITY PLANS. RIM ELEVATIONS ON THE GRADING AND UTILITY PLANS ARE FOR AN INTERIM GRADING CONDITION. CONTRACTOR TO ALLOW FOR SIX INCHES OF ADJUSTMENT OF RIM ELEVATIONS TO MATCH FUTURE PROPOSED ROADWAY ELEVATIONS.
5. LOCATE UTILITY STRUCTURES INCLUDING CATCH BASINS, VALVES, MANHOLES AND HYDRANTS IN ACCORDANCE WITH COORDINATES ON THE UTILITY PLANS. COORDINATES ON THE GRADING PLANS ARE REFERENCED TO THE CENTER POINT OF THE SUBSURFACE STRUCTURE.
6. RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:
   A. PAVEMENTS AND CONCRETE SURFACES: FLUSH
   B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
   C. LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
7. HYDRANT ELEVATIONS REPRESENT THE FUTURE SIDEWALK GRADE BENEATH HYDRANT GRATE
8. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH OWNER AND ARCHITECT.
9. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.
10. UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:
    A. WATER PIPES SHALL BE POLYETHYLENE ENCASED, CEMENT LINED, DUCTILE IRON, CLASS 52. WATER JOINTS SHALL BE MEGALUG OR EQUIVALENT.
    B. SANITARY SEWER PIPES SHALL BE POLYVNYL CHLORIDE (PVC) SEWER PIPE- SDR35
    C. STORM DRAINAGE PIPES SHALL BE REINFORCED CONCRETE PIPE (RCP). STORM DRAINAGE PIPES 18 INCHES AND SMALLER SHALL BE CLASS V. LARGER PIPES SHALL BE CLASS III UNLESS OTHERWISE NOTED.
    D. PIPE INSTALLATION AND MATERIALS SHALL COMPLY WITH THE STATE PLUMBING CODE WHERE APPLICABLE. CONTRACTOR SHALL COORDINATE WITH LOCAL PLUMBING INSPECTOR PRIOR TO BEGINNING WORK.
11. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.
12. ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4' MIN.) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS AND LOCAL MUNICIPAL STANDARDS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM DIAMETER SHALL BE 5 FEET.
13. THE CONTRACTOR SHALL ALTER THE MASONRY OF THE TOP SECTION OF ALL EXISTING (DRAINAGE, SEWER, FIRE ALARM, ETC.) STRUCTURES AS NECESSARY FOR CHANGES IN GRADE, AND RESET ALL WATER AND DRAINAGE FRAMES, GRATES AND BOXES TO THE PROPOSED FINISH SURFACE GRADE.
14. ALL LATERAL DRAIN PIPES SHALL BE INSTALLED WITH A PITCH OF 0.01 FOOT PER FOOT (MINIMUM) UNLESS NOTED OTHERWISE ON THE DRAWINGS.

Layout and Materials

8. PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
9. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.
10. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES. PIPE LENGTHS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR FINAL DETERMINATION OF REQUIRED PIPE LENGTHS.
11. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.

Demolition

1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MANMADE SURFACE FEATURES WITHIN THE LIMIT OF WORK INCLUDING BUILDINGS, STRUCTURES, PAVEMENTS, SLABS, CURBING, FENCES, UTILITY POLES, SIGNS, ETC. UNLESS INDICATED OTHERWISE ON THE DRAWINGS. REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS.
2. EXISTING UTILITIES SHALL BE TERMINATED, UNLESS OTHERWISE NOTED, IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES.
3. CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.

Erosion Control

1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
2. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.

Existing Conditions Information

1. THE PROPERTY LINES SHOWN WERE DETERMINED BY AN ACTUAL FIELD SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. BETWEEN APRIL 2004 AND MARCH OF 2006 AND FROM DEEDS AND PLANS OF RECORD.

   THE EXISTING CONDITIONS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON THE GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN APRIL OF 2004, UPDATED IN MARCH OF 2006, UPDATED IN MARCH OF 2010, UPDATED IN MARCH OF 2012 AS WELL AS A PLAN ENTITLED "AS BUILT PLAN OF LAND ASSEMBLY SQUARE MALL, SOMERVILLE, MA" BY DANA PERKINS, DATED SEPTEMBER 12, 1997, REVISED NOVEMBER 1, 1999, SUPPLEMENTED BY AS BUILT INFORMATION FROM THE ASSEMBLY SQUARE DRIVE UTILITY INFRASTRUCTURE CONSTRUCTION.

   UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON FIELD OBSERVATIONS AND INFORMATION OF RECORD. THEY ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND UTILITIES OR OTHER STRUCTURES ARE SHOWN ON THIS PLAN.
2. ELEVATIONS SHOWN ARE BASED UPON USCGS, NATIONAL GEODETIC VERTICAL DATUM OF 1929 AND WERE INITIATED AT BENCHMARK #11000, A MASSACHUSETTS GEODETIC SURVEY DISC.
3. THE PROJECT AREA IS PRIMARILY WITHIN ZONE C, AREA OF MINIMAL FLOODING, AND INCLUDES AREA WITHIN ZONE A2, AREAS OF 100 YEAR FLOOD (BELOW ELEVATION 10), AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP FOR THE CITY SOMERVILLE, MASSACHUSETTS COMMUNITY PANEL NUMBER 250214 0001 B, EFFECTIVE DATE JULY 17, 1986.
4. MEAN HIGH WATER (MHW), MEAN SEA LEVEL (MSL) AND MEAN LOW WATER (MLW) ELEVATIONS WERE OBTAINED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) TIDES AND CURRENTS WEBSITE; BOSTON HARBOR TIDE GAUGING STATION 8443970 AND CONVERTED TO NGVD 1929 DATUM AT THE AMELIA EARHART DAM.

VHB
Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

No.	Revision	Date	Appvd.

Designed by | Drawn by TAH | Checked by RPM
CAD checked by | Approved by HGH
Scale NTS | Date July 11, 2014

Project Title
Assembly Row
Block 6

Assembly Row
Somerville, Massachusetts

Issued for
Final Level PUD Approval - Final Submission
Not Approved for Construction

Drawing Title
Legend and General Notes

COMMONWEALTH OF MASSACHUSETTS
HUGH G. HANEY
CIVIL
NO. 42679
REGISTERED PROFESSIONAL ENGINEER
7/31/14

Drawing Number
C-1
Sheet 1 of 9
Project Number
08518.05

\\VHB\PROJ\WAT-LD\08518.05\CAD\LD\PLANSET\BLOCK 6-30 SPECIAL PERMIT\0851805_BL6SP-NCM

Saved Monday, June 09, 2014 1:00:00 PM TIMOTHYHAYES Plotted Friday, July 11, 2014 2:16:47 PM Hayes, Tim



VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

No.	Revision	Date	Appvd

Designed by	Drawn by TCH	Checked by RPM	
CAD checked by		Approved by HGH	
Scale 1"=100'		Date July 11, 2014	

Project Title

Assembly Row
Block 6

Assembly Row
Somerville, Massachusetts

Issued for

Final Level PUD Approval -
Final Submission
Not Approved for Construction

Drawing Title

Neighborhood
Context Map 1

COMMONWEALTH OF MASSACHUSETTS
HUGH G. HAMER
CIVIL
No. 42679
REGISTERED
PROFESSIONAL ENGINEER
07/31/14

Drawing Number
C-2

Sheet 2 of 9

Project Number
08518.05

\\VHB\PROJ\WAT-LD\08518.05\CAD\LD\PLANSET\BLOCK 6-30 SPECIAL PERMIT\0851805_BL6SP-NCM

Saved Monday, June 09, 2014 1:00:00 PM TMOHRHAYES Plotted Friday, July 11, 2014 2:17:43 PM Hayes, Tim



VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

No.	Revision	Date	Appvd

Designed by	Drawn by TCH	Checked by RPM
CAD checked by	Approved by HGH	
Scale 1"=100'	Date July 11, 2014	

Project Title

Assembly Row
Block 6

Assembly Row
Somerville, Massachusetts

Issued for

Final Level PUD Approval -
Final Submission
Not Approved for Construction

Drawing Title

Neighborhood
Context Map 2

COMMONWEALTH OF MASSACHUSETTS
HUGH G. HANN
CIVIL
No. 42975
REGISTERED
PROFESSIONAL ENGINEER
07/11/14

Drawing Number
C-3

Sheet 3 of 9

Project Number
08518.05

0851805_BL6SP-NCM.DWG

\\VHB\PRO\WAT-LD\08518.05\CAD\LD\PLANSET\BLOCK 6-30 SPECIAL PERMIT\0851805_BL6SP-OSP

Saved: Wednesday, July 09, 2014 7:29:52 PM TIMOTHYMAYES Plotted: Friday, July 11, 2014 2:19:22 PM Hayes, Tim

Parking Summary Chart

Description	Size		Office	Retail	Restaurant	Residential	Hotel	Cinema	Health Club	Mall	
	Required	Provided	Required	Required	Required	Required	Required	Required	Required	Required	Provided
STANDARD SPACES	9' x 18'	9' x 18'	2,763	367	289	1,814	81	57	96	1,038	1,072
STANDARD ACCESSIBLE SPACES*	13' x 18'	14' x 18'	32	6	5	24	3	2	3	17	17
VAN ACCESSIBLE SPACES*	16' x 18'	17' x 18'	7	2	2	5	1	1	1	4	6
TOTAL SPACES			2,802	375	296	1,843	85	60	100	1,059	1,095

* ADA/STATE/LOCAL REQUIREMENTS (MINIMUM)

Mixed Use Area Loading Requirements:

OFFICE:	0 – 10,000 SF	(0)	= 19
	10,001 – 100,000 SF	(1)	
	EACH ADDL. 150,000 SF	(1)	
RETAIL:	0 – 5,000 SF	(0)	= 10
	5,001 – 20,000 SF	(1)	
	20,001 – 35,000 SF	(2)	
	35,001 – 50,000 SF	(3)	
	EACH ADDL. 50,000 SF	(1)	
RESTAURANT:	0 – 4,000 SF	(0)	= 6
	4,001 – 6,000 SF	(1)	
	6,001 – 16,000 SF	(2)	
	16,001 – 40,000 SF	(3)	
	EACH ADDL. 40,000 SF	(1)	
HOTEL:	AS NEEDED		= 1
CINEMA:	AS NEEDED		= 1
HEALTH CLUB:	AS NEEDED		= 1

TOTAL LOADING REQUIRED = 38
TOTAL LOADING PROVIDED = 38

Mixed Use Area Parking Requirements:*

OFFICE	2,801,033 SF x 1 SPACE / 1,000 SF = 2,802
RETAIL	374,707 SF x 1 SPACE / 1,000 SF = 375
RESTAURANT	147,817 SF x 1 SPACE / 500 SF = 296
CINEMA	60,000 SF x 1 SPACE / 1,000 SF = 60
HEALTH CLUB	50,000 SF x 1 SPACE / 500 SF = 100
RESIDENTIAL	1,843 UNITS x 1 SPACE / UNIT = 1,843
HOTEL	170 GUEST ROOMS x 0.5 SPACES/GUEST ROOM = 85

TOTAL PARKING REQUIRED = 5,561
TOTAL PARKING PROVIDED = 9,815

*RETAIL AREA MAY BE RE-ALLOCATED TO OFFICE OR RESIDENTIAL USES AT ANY TIME, SO LONG AS ALSO PERMITTED BY NEW OR MODIFIED APPLICABLE ENTITLEMENTS; NO OTHER USE MAY BE CONVERTED.

RESIDENTIAL AREA MAY BE RE-ALLOCATED TO OFFICE USE AT ANY TIME, SO LONG AS PERMITTED BY NEW OR MODIFIED ENTITLEMENTS; AND

UP TO 400,000 SQUARE FEET OF THE NON-RESIDENTIAL USES (I.E., OFFICE, RETAIL, AND HOSPITALITY) MAY BE RE-ALLOCATED TO RESIDENTIAL USE, BUT NO SOONER THAN 10 YEARS FROM THE DATE THE PUD PLAN IS APPROVED, SO LONG AS PERMITTED BY NEW OR MODIFIED APPLICABLE ENTITLEMENTS.

Mall Parking Requirements:

RETAIL (ZONING)	328,806 SF x 1 SPACE / 1000 SF = 329
BLOCK 10 (MAX. ZONING)	4,500 SF x 1 SPACE / 500 SF = 9
RETAIL (LEASE)	328,806 SF x 3.22 SPACE / 1000 SF = 1,059

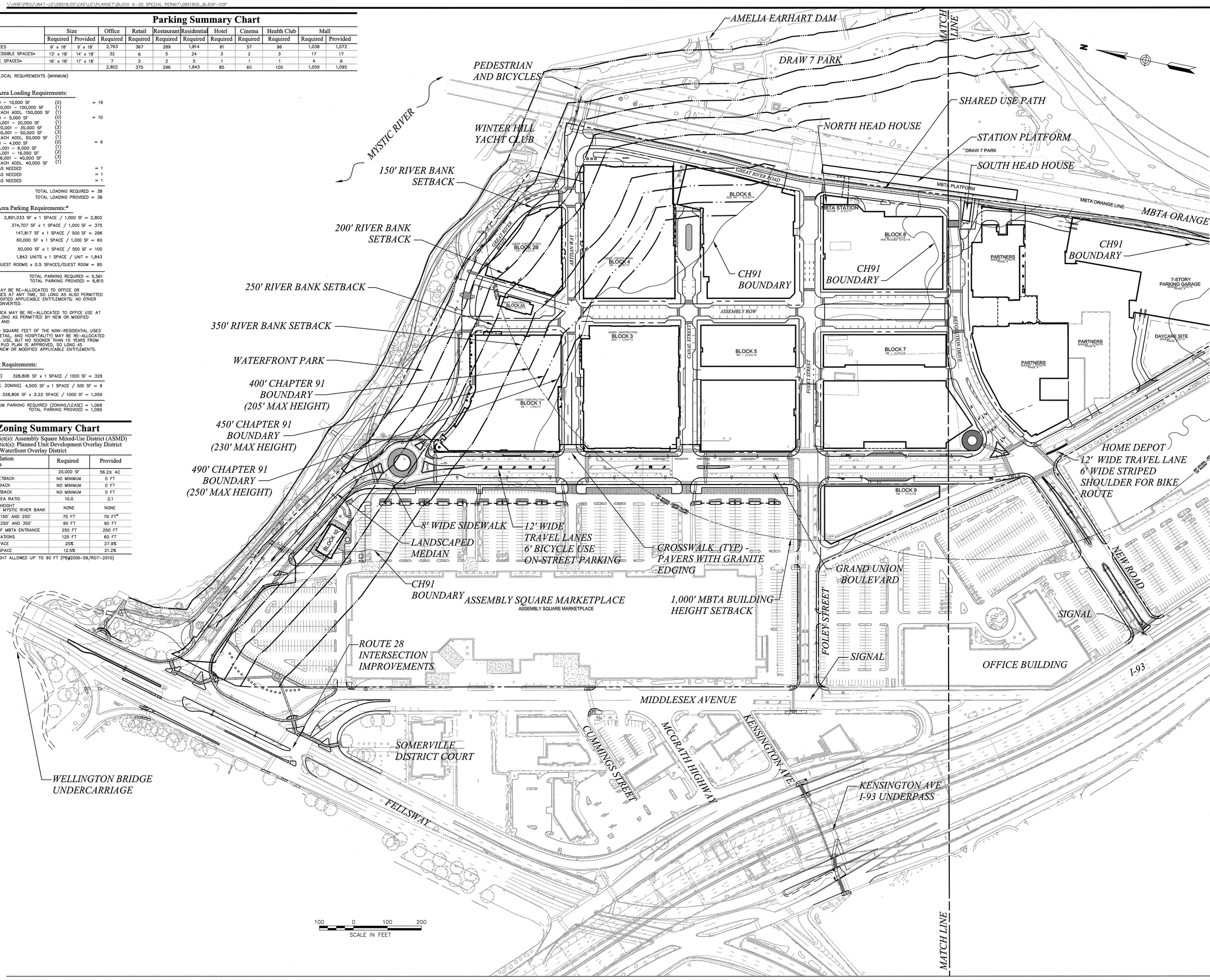
MAXIMUM PARKING REQUIRED (ZONING/LEASE) = 1,068
TOTAL PARKING PROVIDED = 1,095

Zoning Summary Chart

Zoning District(s): Assembly Square Mixed-Use District (ASMD)
Overlay District(s): Planned Unit Development Overlay District A (PUD-A), Waterfront Overlay District

Zoning Regulation Requirements	Required	Provided
MIN. LOT AREA	20,000 SF	56.2± AC
FRONT YARD SETBACK	NO MINIMUM	0 FT
SIDE YARD SETBACK	NO MINIMUM	0 FT
REAR YARD SETBACK	NO MINIMUM	0 FT
MAX. FLOOR AREA RATIO	10.0	2.1
MAX. BUILDING HEIGHT		
< 150' OF MYSTIC RIVER BANK	NONE	NONE
BETWEEN 150' AND 250'	70 FT	70 FT*
BETWEEN 250' AND 350'	90 FT	90 FT
WITHIN 1,000' OF MBTA ENTRANCE	250 FT	250 FT
ALL OTHER LOCATIONS	125 FT	60 FT
TOTAL OPEN SPACE	25%	27.9%
USABLE OPEN SPACE	12.5%	21.2%

* BLOCK 2 HEIGHT ALLOWED UP TO 90 FT (PB#2006-59/R07-2010)



VHB
Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

No.	Revision	Date	Appvd

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=100' | Date July 11, 2014

Project Title
Assembly Row
Block 6

Assembly Row
Somerville, Massachusetts

Issued for
Final Level PUD Approval - Final Submission
Not Approved for Construction

Drawing Title
Overall Site Plan 1

COMMONWEALTH OF MASSACHUSETTS
HUGH G HAHN
CIVIL
No. 42877
REGISTERED PROFESSIONAL ENGINEER
07/21/14

Drawing Number
C-4

Sheet 4 of 9

Project Number
08518.05

0851805_BL6SP-OSP.DWG

AMELIA EARHART DAM
MATCH LINE
DRAW 7 PARK
SHARED USE PATH
NORTH HEAD HOUSE
STATION PLATFORM
DRAW 7 PARK
SOUTH HEAD HOUSE
GREAT RIVER ROAD
MBTA PLATFORM
MBTA ORANGE LINE
MBTA ORANGE LINE
FUTURE POTENTIAL SHARED USE PATH
ASSEMBLY SQUARE GATEWAY
LANDSCAPED MEDIAN
INTERSECTION IMPROVEMENTS
SIDEWALKS ON BOTH SIDES OF GRAND UNION BOULEVARD
SIGNAL
LOMBARDI
LANDSCAPED MEDIAN
HOME DEPOT
12' WIDE TRAVEL LANE
6' WIDE STRIPED SHOULDER FOR BIKE ROUTE
MYSTIC AVE.
SIGNAL
MT. VERNON ST.
BROADWAY
NEW ROAD
SIGNAL
GRAND UNION BOULEVARD
FOLEY STREET
SIGNAL
OFFICE BUILDING
I-93
KENSINGTON AVE.
KENSINGTON AVE
I-93 UNDERPASS
MATCH LINE

BLOCK 6
BLOCK 8
BLOCK 5
BLOCK 7
BLOCK 9
MBTA STATION
PARTNERS
7-STORY PARKING GARAGE
DAYCARE SITE
CH91 BOUNDARY
CH91 BOUNDARY
CH91 BOUNDARY
ASSEMBLY ROW
CANAL STREET
FOLEY STREET
ASSEMBLY SQUARE DR.

100 0 100 200
SCALE IN FEET

VHB
Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

No.	Revision	Date	Appvd.

Designed by | Drawn by TAH | Checked by RPM
CAD checked by | Approved by HGH
Scale 1"=100' | Date July 11, 2014

Project Title
Assembly Row
Block 6

Assembly Row
Somerville, Massachusetts

Issued for
Final Level PUD Approval - Final Submission
Not Approved for Construction

Drawing Title
Overall Site Plan 2

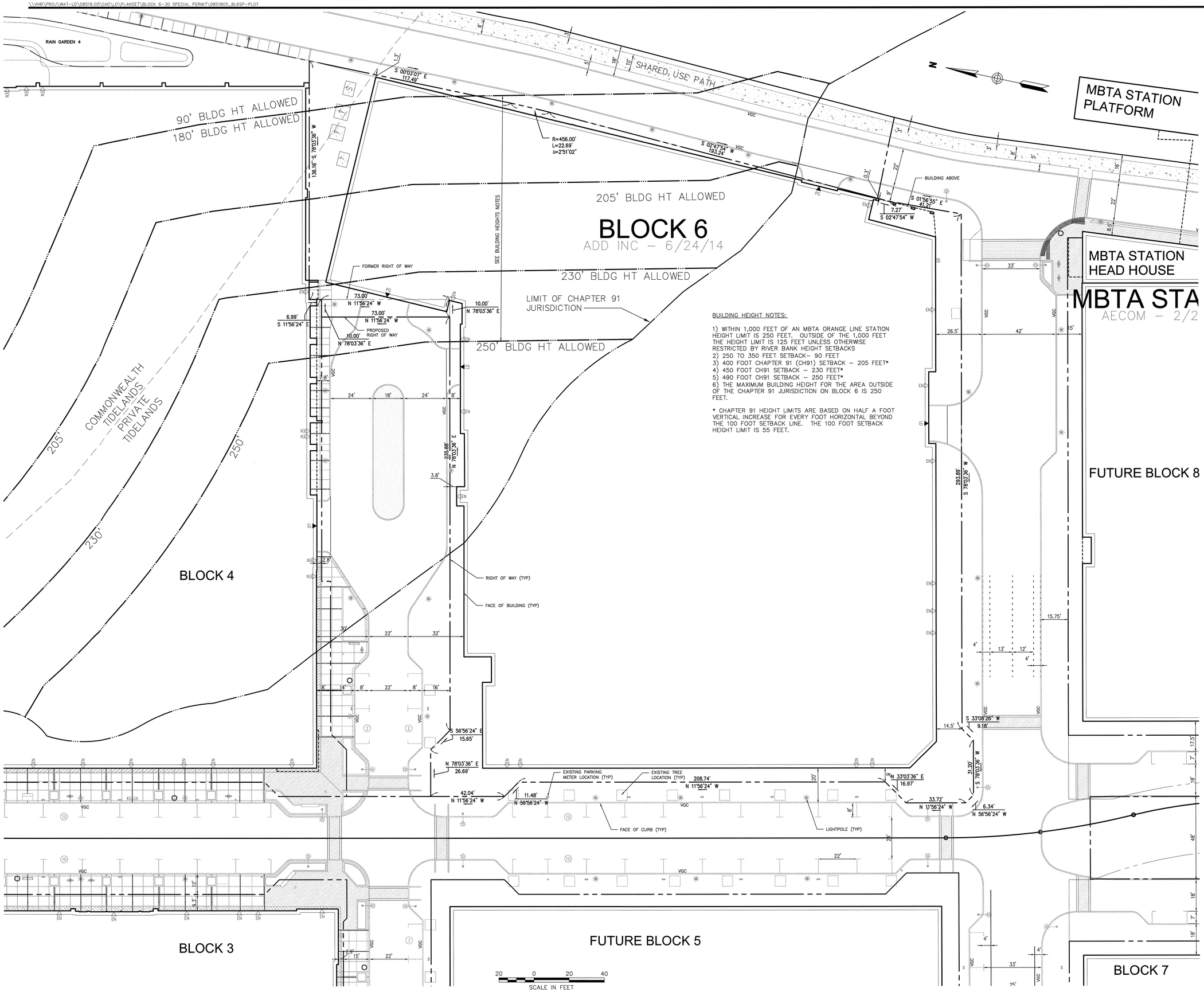
COMMONWEALTH OF MASSACHUSETTS
HUGH G HAHN
CIVIL
No. 42879
REGISTERED PROFESSIONAL ENGINEER
7/31/14

Drawing Number
C-5
Sheet 5 of 9
Project Number
08518.05

0851805_BL6SP-OSP.DWG

\\VHB\PROJ\WAT-LD\08518.05\CAD\LD\PLANSET\BLOCK 6-30 SPECIAL PERMIT\0851805_BL6SP-PLOT

Saved Wednesday, July 30, 2014 5:35:34 PM TIMOTHYHAYES Plotted Wednesday, July 30, 2014 5:48:32 PM Hayes, Tim



BUILDING HEIGHT NOTES:

1) WITHIN 1,000 FEET OF AN MBTA ORANGE LINE STATION HEIGHT LIMIT IS 250 FEET. OUTSIDE OF THE 1,000 FEET THE HEIGHT LIMIT IS 125 FEET UNLESS OTHERWISE RESTRICTED BY RIVER BANK HEIGHT SETBACKS
2) 250 TO 350 FEET SETBACK– 90 FEET
3) 400 FOOT CHAPTER 91 (CH91) SETBACK – 205 FEET*
4) 450 FOOT CH91 SETBACK – 230 FEET*
5) 490 FOOT CH91 SETBACK – 250 FEET*
6) THE MAXIMUM BUILDING HEIGHT FOR THE AREA OUTSIDE OF THE CHAPTER 91 JURISDICTION ON BLOCK 6 IS 250 FEET.

* CHAPTER 91 HEIGHT LIMITS ARE BASED ON HALF A FOOT VERTICAL INCREASE FOR EVERY FOOT HORIZONTAL BEYOND THE 100 FOOT SETBACK LINE. THE 100 FOOT SETBACK HEIGHT LIMIT IS 55 FEET.

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

Zoning Summary Chart

Zoning District(s): Assembly Square Mixed-Use District (ASMD)
Overlay District(s): Planned Unit Development Overlay District A (PUD-A), Waterfront Overlay District

Zoning Regulation Requirements	Required	Provided
MIN. LOT AREA (PROJECT AREA)	20,000 SF	116,935 SF*
FRONTAGE (ASSEMBLY ROW)	–	313 FT*
FRONT YARD SETBACK (ASSEMBLY R.)	NO MINIMUM	8.0 FT*
SIDE YARD SETBACK (LEFT)	NO MINIMUM	3.8 FT*
SIDE YARD SETBACK (RIGHT)	NO MINIMUM	14.5 FT*
REAR YARD SETBACK	NO MINIMUM	<1 FT*
MAX. FLOOR AREA RATIO	10.0	XXX
MAX. BUILDING HEIGHT < 150' OF MYSTIC RIVER BANK	N/A	N/A
BETWEEN 150' AND 250'	70 FT	<70 FT
BETWEEN 250' AND 350'	90 FT	<90 FT
WITHIN 1,000' OF MBTA ENTRANCE	250 FT	237'–8"
ALL OTHER LOCATIONS	125 FT	N/A
TOTAL OPEN SPACE	25%	9.1%*
USABLE OPEN SPACE	12.5%	6.4%*

* BASED ON PROPOSED PROJECT AREA.

Parking Summary Chart

Description	Size Required	Size Provided	Spaces Required	Spaces Provided
STANDARD SPACES	9'x18'	9'x18'	518	657
COMPACT SPACES (20% ALLOWED)	8'x16'	–	–	–
STANDARD ACCESSIBLE SPACES *	13'x18'	14'x18'	9	11
VAN ACCESSIBLE SPACES *	16'x18'	18'x18'	2	3
TOTAL SPACES			499	671
LOADING BAYS **	12'x30'x14'	12'x30'x14'	4	3***

* ADA/STATE/LOCAL REQUIREMENTS. REQUIRED ACCESSIBLE SPACES BASED ON TOTAL PROVIDED MALL PARKING. SEE OVERALL SITE PLAN.
** LOADING BAYS (RETAIL BUSINESS USE) 2 BAYS PER 20,001 – 35,000 SF
LOADING BAYS (RESTAURANT USE) 2 BAYS PER 6,001 – 16,000 SF
*** WAIVER REQUESTED (SEE SECTION B.1 REQUESTED WAIVERS OF BLOCK 6 SPSR-A)

Parking Requirements

RETAIL USES		1 SPACE / 1000 SF
RESTAURANT USES		1 SPACE / 500 SF
RESIDENTIAL USES		1 SPACE / UNIT
PARKING REQUIRED	(28,000 SF x 1 SPACES/ 1000 SF) = 28	
	(12,000 SF x 1 SPACES/ 500 SF) = 24	
	(447 UNITS x 1 SPACE/ UNIT) = 447	
	TOTAL = 499	

Bicycle Parking Requirements

NON-RESIDENTIAL	
PARKING REQUIRED	(52 SPACES x 1 SPACES/ 10 REQ. SPACES) = 6
RESIDENTIAL	
PARKING REQUIRED	(447 SPACES x 1 SPACES/ 3 UNITS) = 149
	TOTAL = 155

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=20' | Date July 11, 2014

Project Title
Assembly Row
Block 6

Assembly Row
Somerville, Massachusetts
Issued for

Final Level PUD Approval - Final Submission
Not Approved for Construction
Drawing Title

Layout and Materials Plan

COMMONWEALTH OF MASSACHUSETTS
HUGH G HAHN
CIVIL
No. 43679
REGISTERED PROFESSIONAL ENGINEER
7/31/14

Drawing Number
C-6
Sheet 6 of 9
Project Number
08518.05

\\VHB\PROJ\WAT-LD\08518.05\CAD\LD\PLANSET\BLOCK 6-30 SPECIAL PERMIT\0851805_BL6SP-PLOT

Saved Wednesday, July 30, 2014 5:35:34 PM TIMOTHYHAYES Plotted Wednesday, July 30, 2014 5:46:48 PM Hayes, Tim

BLOCK 6

ADD INC – 6/24/14

MBTA STATION PLATFORM

MBTA STATION HEAD HOUSE

MBTA STATIO

AECOM – 2/23/11

FUTURE BLOCK 8

BLOCK 4

BLOCK 3

FUTURE BLOCK 5

FUTURE BLOCK 7

STONE TRENCH SHOWN AS WIDE DASHED LINE. SURFACE ELEVATION VARIES. BOTTOM OF TRENCH AND PIPE INVERT SET AT CONSTANT SLOPE FROM START TO END.

START STONE TRENCH ALONG RETAINING WALL TOP STONE = 13.7' INV.=12.3' BOTT STONE=11.8'

CONTECH 5000 WATER QUALITY UNIT INV=0.97

CONTECH 5000 WATER QUALITY UNIT INV=0.40

CONTECH CDS2020-5 WATER QUALITY UNIT INV=0.97

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

20 0 20 40

SCALE IN FEET

No.	Revision	Date	Appvd.

Designed by	Drawn by
Checked by	
CAD checked by	Approved by
Scale 1"=20'	Date July 11, 2014

Project Title

Assembly Row Block 6

Assembly Row
Somerville, Massachusetts

Issued for

Final Level PUD Approval - Final Submission
Not Approved for Construction

Drawing Title

Grading, Drainage and Erosion Control Plan

HUGH G HANN CIVIL NO 42679 REGISTERED PROFESSIONAL ENGINEER
7/31/14

Drawing Number

C-7

Sheet 7 of 9

Project Number 08518.05

0851805_BL6SP-PLOT.DWG

\\VHB\PROJ\WAT-LD\08518.05\CAD\LD\PLANSET\BLOCK 6-30 SPECIAL PERMIT\0851805_BL6SP-PLOT

Saved Wednesday, July 30, 2014 5:35:34 PM TIMOTHYHAYES Plotted Wednesday, July 30, 2014 5:47:57 PM Hayes, Tim

BLOCK 6
ADD INC – 6/24/14

MBTA STATION
AECOM – 2/23/11

MBTA STATION PLATFORM

MBTA STATION HEAD HOUSE

FUTURE BLOCK 8

BLOCK 4

BLOCK 3

FUTURE BLOCK 5

FUTURE BLOCK 7

VHB
Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286

20 0 20 40
SCALE IN FEET

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=20' | Date July 11, 2014

Project Title
Assembly Row
Block 6

Assembly Row
Somerville, Massachusetts
Issued for

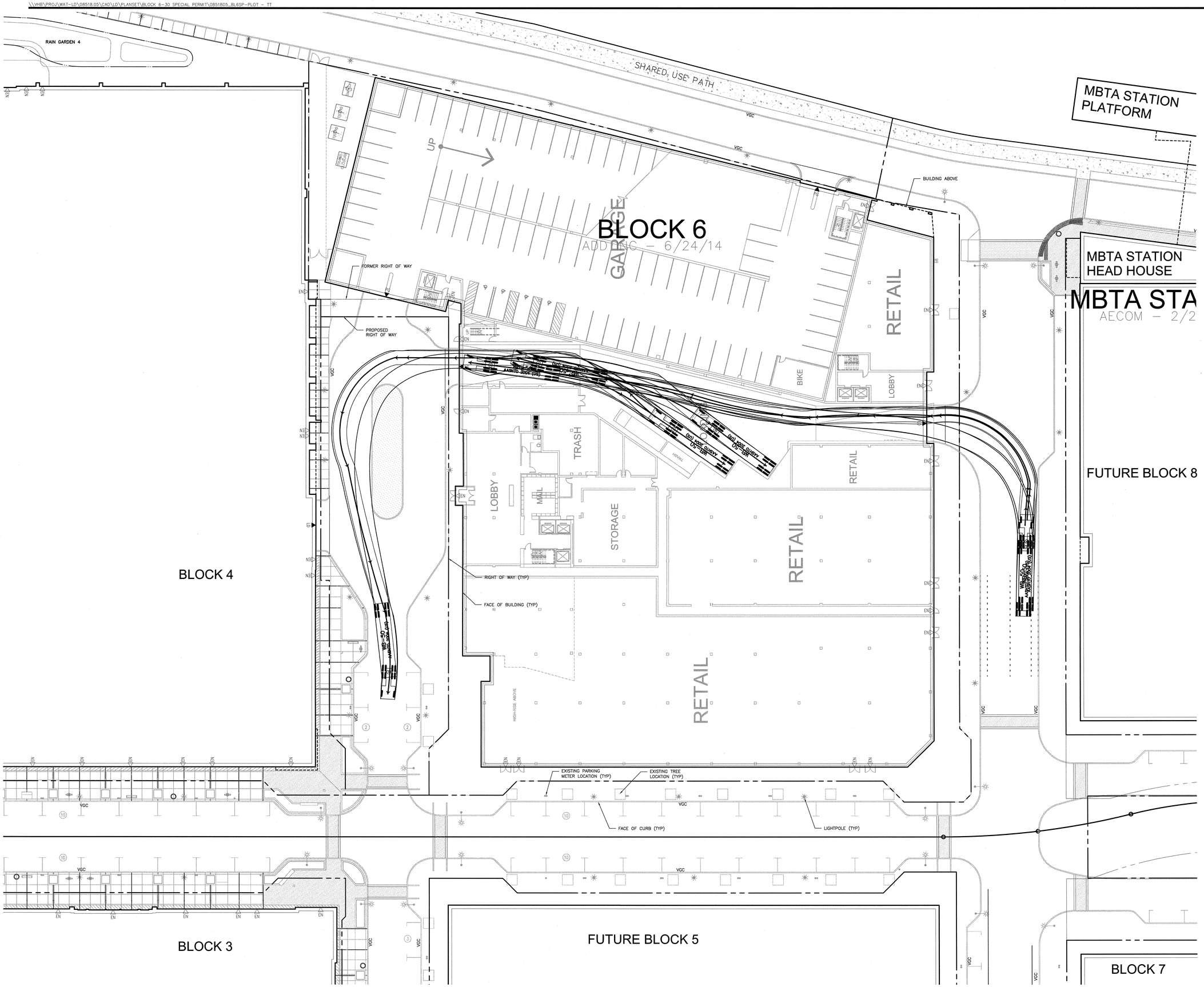
Final Level PUD Approval - Final Submission
Not Approved for Construction
Drawing Title

Utility Plan

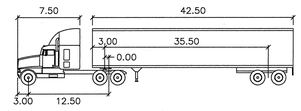
HUGH G. VAN CAMP No. 42679 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS
7/31/14

Drawing Number C-8
Sheet 8 of 9
Project Number 08518.05

Saved Wednesday, July 30, 2014 5:45:15 PM TIMOTHYHAYES Plotted Wednesday, July 30, 2014 5:45:29 PM Hayes, Tim



VHB
Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471
617.924.1770 • FAX 617.924.2286



WB-50 feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 17.7
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		

N

20 0 20 40
SCALE IN FEET

No.	Revision	Date	Appvd.

Designed by	Drawn by	Checked by	
CAD checked by		Approved by	
Scale 1"=20'		Date July 11, 2014	

Project Title
Assembly Row
Block 6

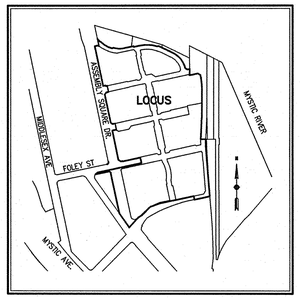
Assembly Row
Somerville, Massachusetts
Issued for

Final Level PUD Approval - Final Submission
Not Approved for Construction
Drawing Title

Turning Template Plan

HUGH G. FOWLER No. 42670 REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS
07/31/14

Drawing Number
C-9
Sheet of
9 9
Project Number
08518.05



Locus Map
(NOT TO SCALE)



Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP — EDGE OF PAVEMENT
- CC — CONCRETE CURB
- VGC — VERTICAL GRANITE CURB
- SGE — SLOPED GRANITE EDGE
- BB — BITUMINOUS BERM
- BC — BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW — OVERHEAD WIRE
- E — UNDERGROUND ELECTRIC
- T — TELEPHONE LINE
- G — GAS LINE
- W — WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ — 100-FT BUFFER ZONE
- 100'RA — 100-FT RIVER FRONT AREA
- 200'RA — 200-FT RIVER FRONT AREA
- AF1-100 — LIMIT MEAN ANNUAL HIGH WATER
- BF1-100 — LIMIT OF BANK
- WF1-100 — VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by	Drawn by	Checked by
CAD checked by	Approved by	
Scale 1"=40'	Date March 9, 2012	

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Key Sheet

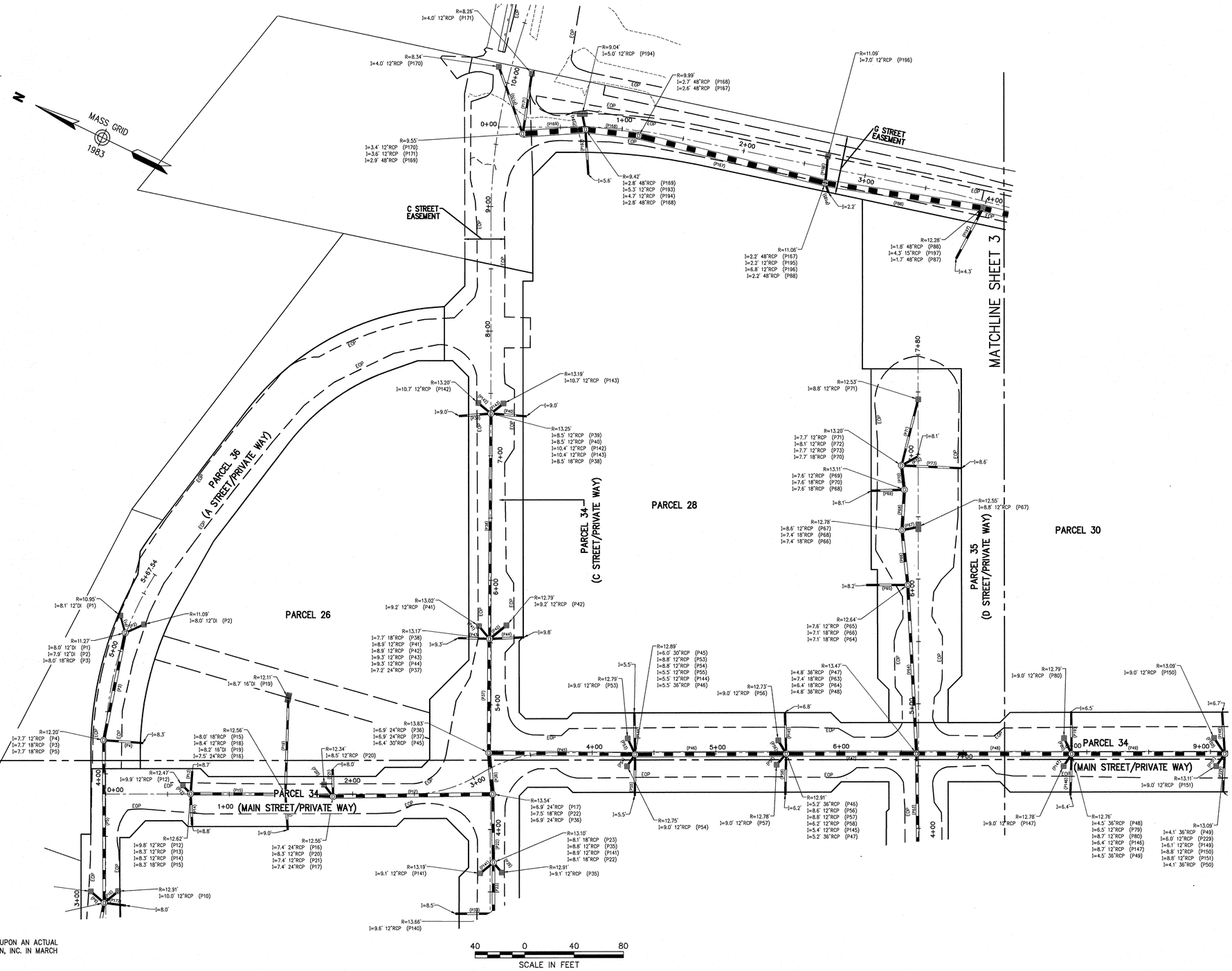
COMMONWEALTH OF MASSACHUSETTS
SELBY TURNER III
No. 49230
REGISTERED LAND SURVEYOR
3/9/2012

Drawing Number
Sv-1

Sheet 1 of 13

Project Number
11763.00

\\MAWALD\id\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EDGE OF PAVEMENT
- CONCRETE CURB
- VERTICAL GRANITE CURB
- SLOPED GRANITE EDGE
- BITUMINOUS BERM
- BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OVERHEAD WIRE
- UNDERGROUND ELECTRIC
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AF1-100 LIMIT MEAN ANNUAL HIGH WATER
- BF1-100 LIMIT OF BANK
- WF1-100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by	Drawn by	Checked by	
CAD checked by		Approved by	
Scale 1"=40'		Date March 9, 2012	

Project Title

Assembly Row
Assembly Square
PUD
Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Drain Asbuilt

COMMONWEALTH OF MASSACHUSETTS
SELBY L. TURNER III.
No. 42280
PROFESSIONAL LAND SURVEYOR

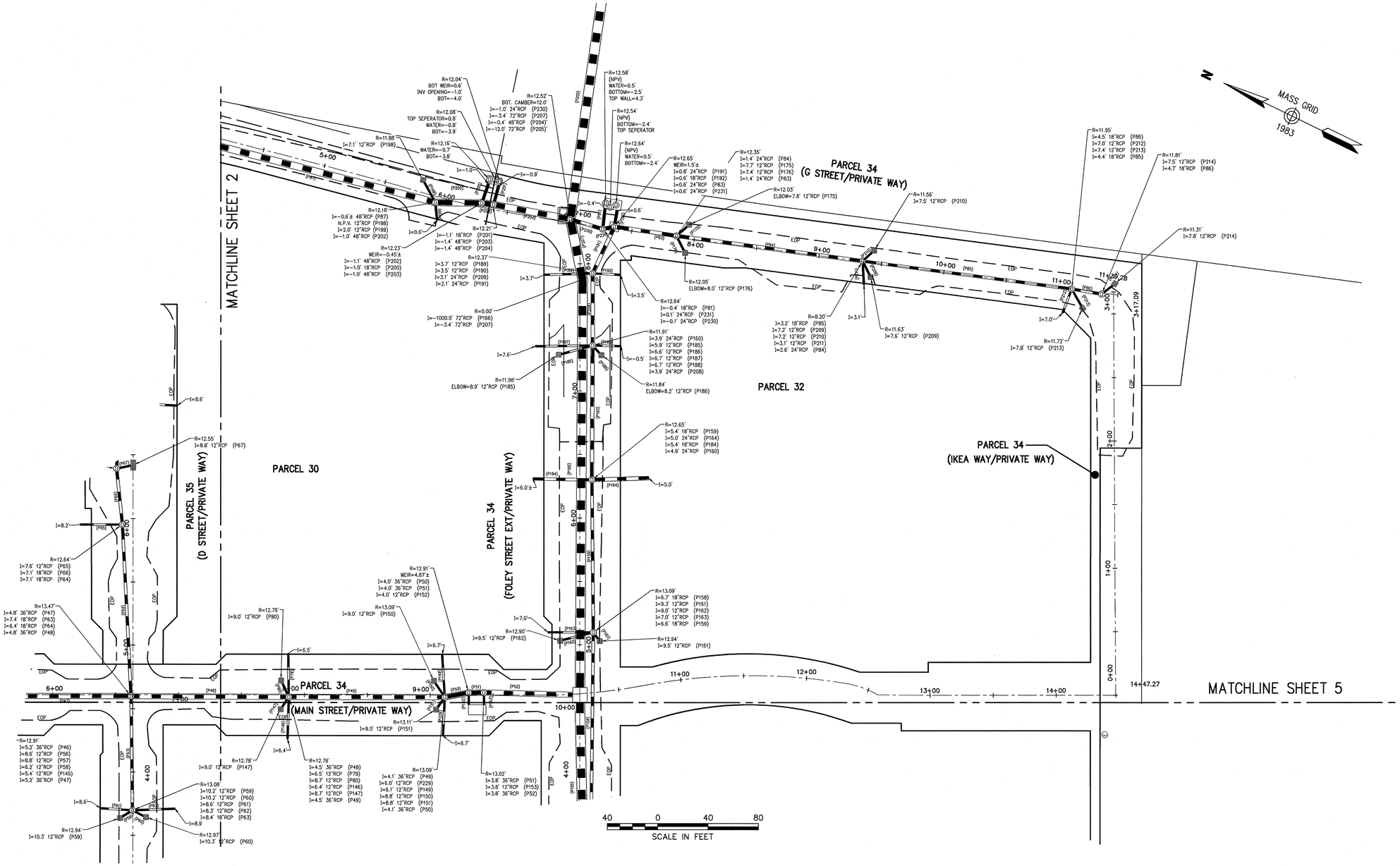
3/9/2012

Drawing Number
Sv-2

Sheet 2 of 13

Project Number
11763.00

\\MAWALD\d\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AF1-100' LIMIT MEAN ANNUAL HIGH WATER
- BF1-100' LIMIT OF BANK
- WF1-100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=40' | Date March 9, 2012

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Drain Asbuilt

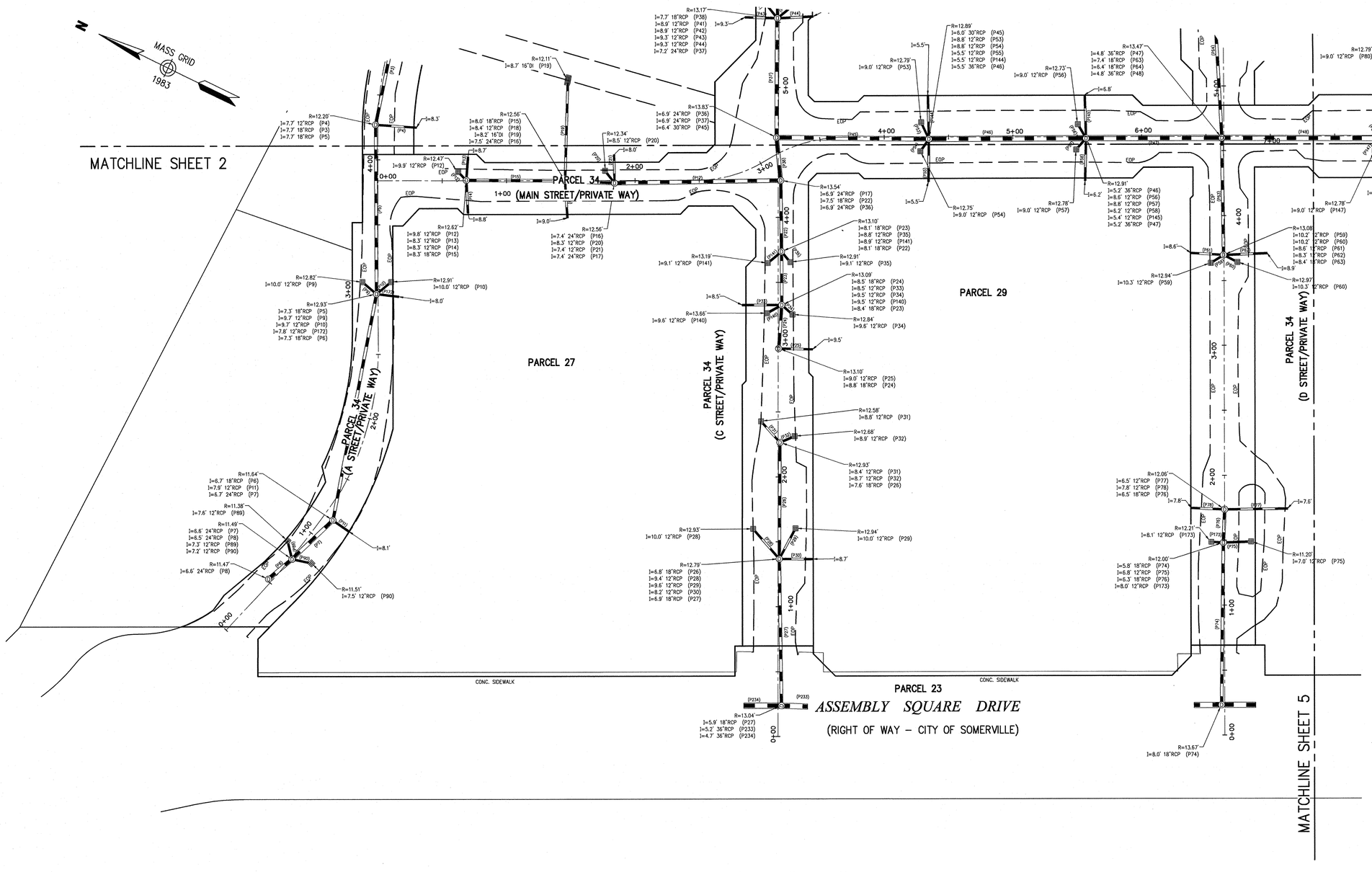
COMMONWEALTH OF MASSACHUSETTS
SELBY TURNER III
No. 49230
PROFESSIONAL LAND SURVEYOR
3/9/2012

Drawing Number
Sv-3

Sheet 3 of 13

Project Number
11763.00

\\MAWALD\ld\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP — EDGE OF PAVEMENT
- CC — CONCRETE CURB
- VGC — VERTICAL GRANITE CURB
- SGE — SLOPED GRANITE EDGE
- BB — BITUMINOUS BERM
- BC — BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW — OVERHEAD WIRE
- E — UNDERGROUND ELECTRIC
- T — TELEPHONE LINE
- G — GAS LINE
- W — WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ — 100-FT BUFFER ZONE
- 100'RA — 100-FT RIVER FRONT AREA
- 200'RA — 200-FT RIVER FRONT AREA
- AF1-100 — LIMIT MEAN ANNUAL HIGH WATER
- BF1-100 — LIMIT OF BANK
- WF1-100 — VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=40' | Date March 9, 2012

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Drain Asbuilt

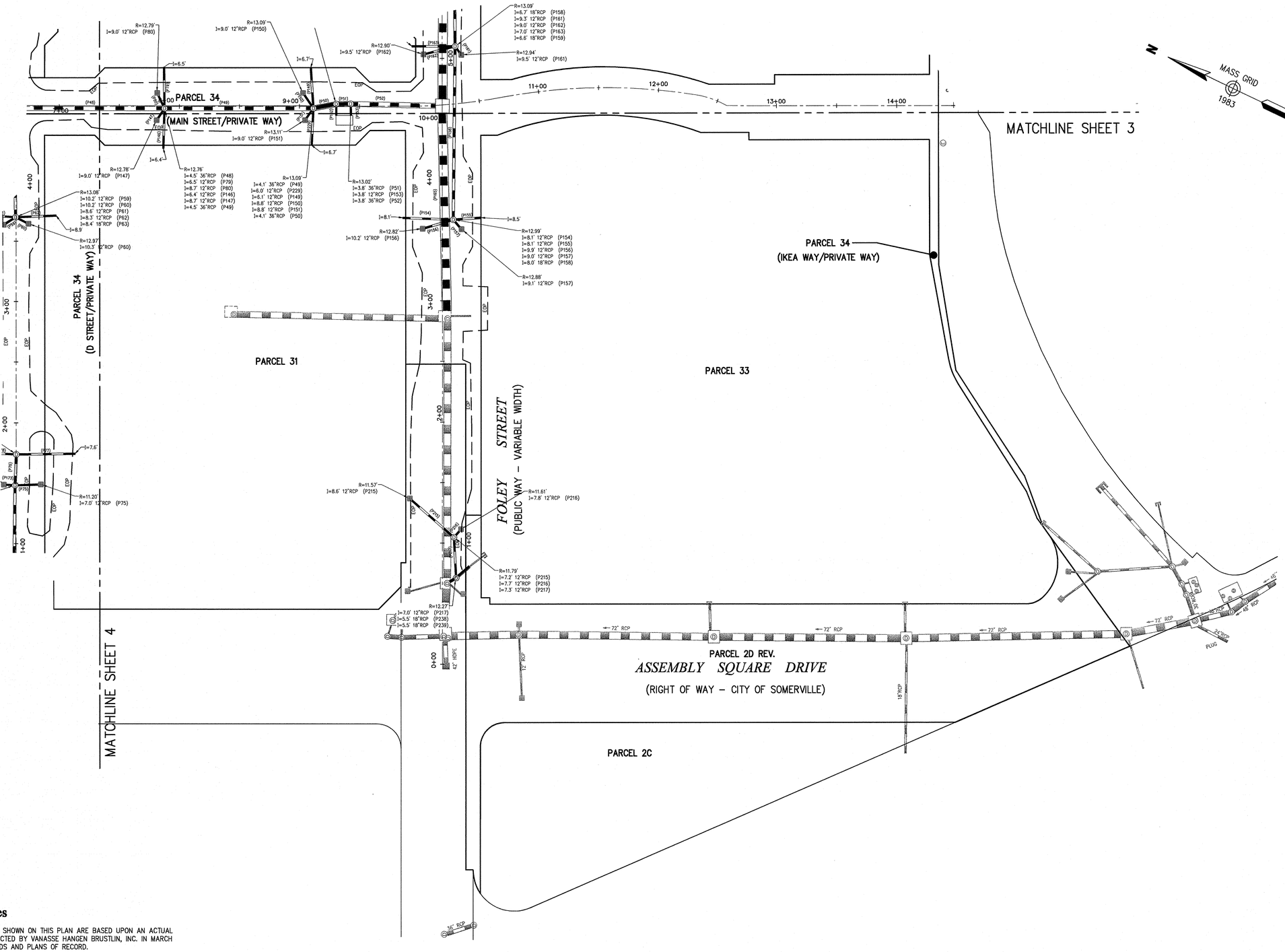
COMMONWEALTH OF MASSACHUSETTS
SELBY L. TURNER III
No. 49230
REGISTERED PROFESSIONAL LAND SURVEYOR

Drawing Number
Sv-4

Sheet 4 of 13

Project Number
11763.00

\\MAWALD\d\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB
Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HH HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MW MONITORING WELL
- FLOOD LIGHT
- W WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AF1-100 LIMIT MEAN ANNUAL HIGH WATER
- BF1-100 LIMIT OF BANK
- WF1-100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=40' | Date March 9, 2012

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Drain Asbuilt

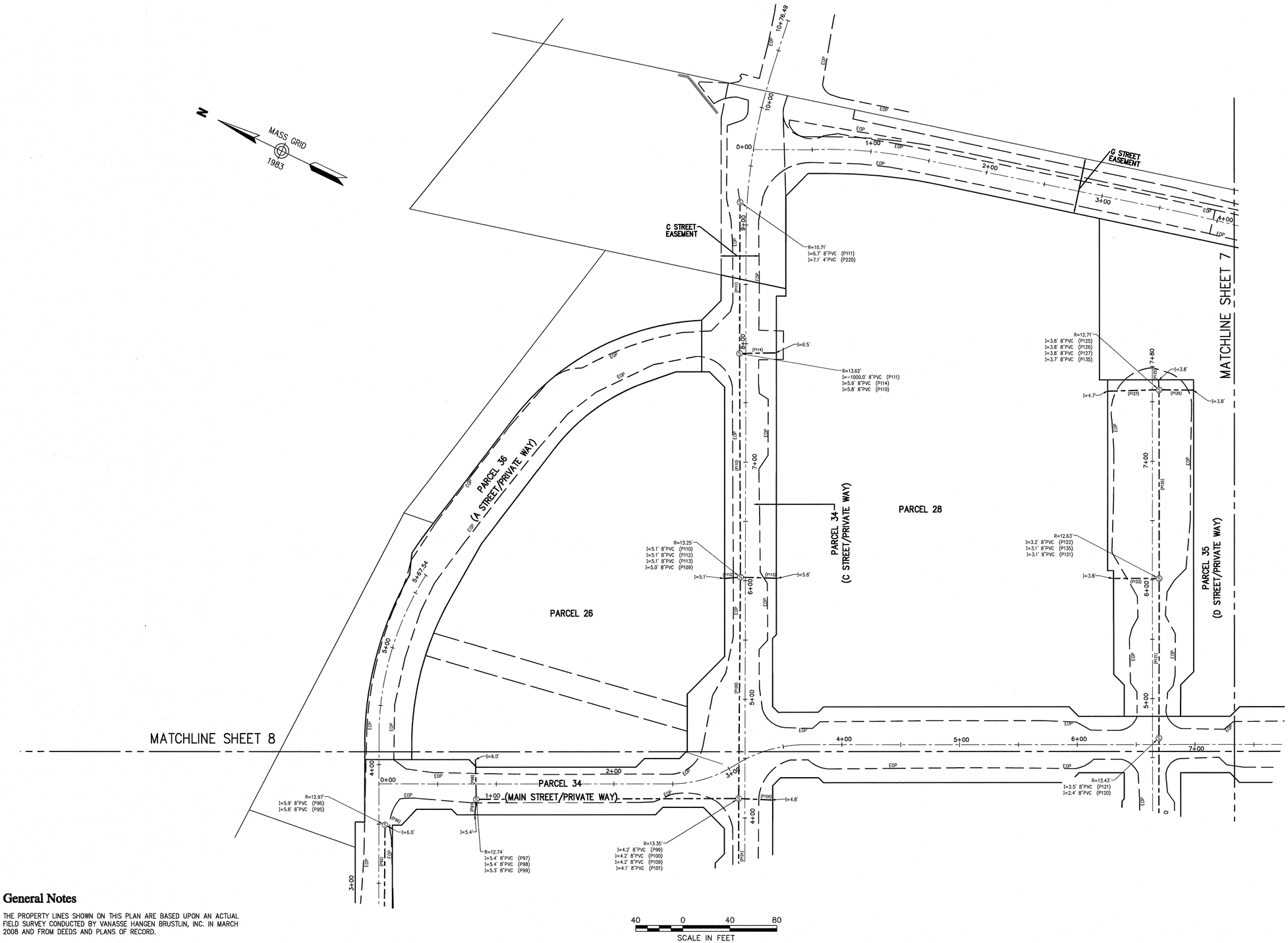
COMMONWEALTH OF MASSACHUSETTS
SELBY L. TURNER III
No. 49220
PROFESSIONAL LAND SURVEYOR

Drawing Number
Sv-5

Sheet 5 of 13

Project Number
11763.00

\\MAWALD\d\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AF1=100' LIMIT MEAN ANNUAL HIGH WATER
- BF1=100 LIMIT OF BANK
- WF1=100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by	Drawn by	Checked by
CAD checked by	Approved by	
Scale 1"=40'	Date March 9, 2012	

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Sewer Asbuilt

COMMONWEALTH OF MASSACHUSETTS
SELBY L. TURNER III
No. 46990
REGISTERED LAND SURVEYOR

Drawing Number

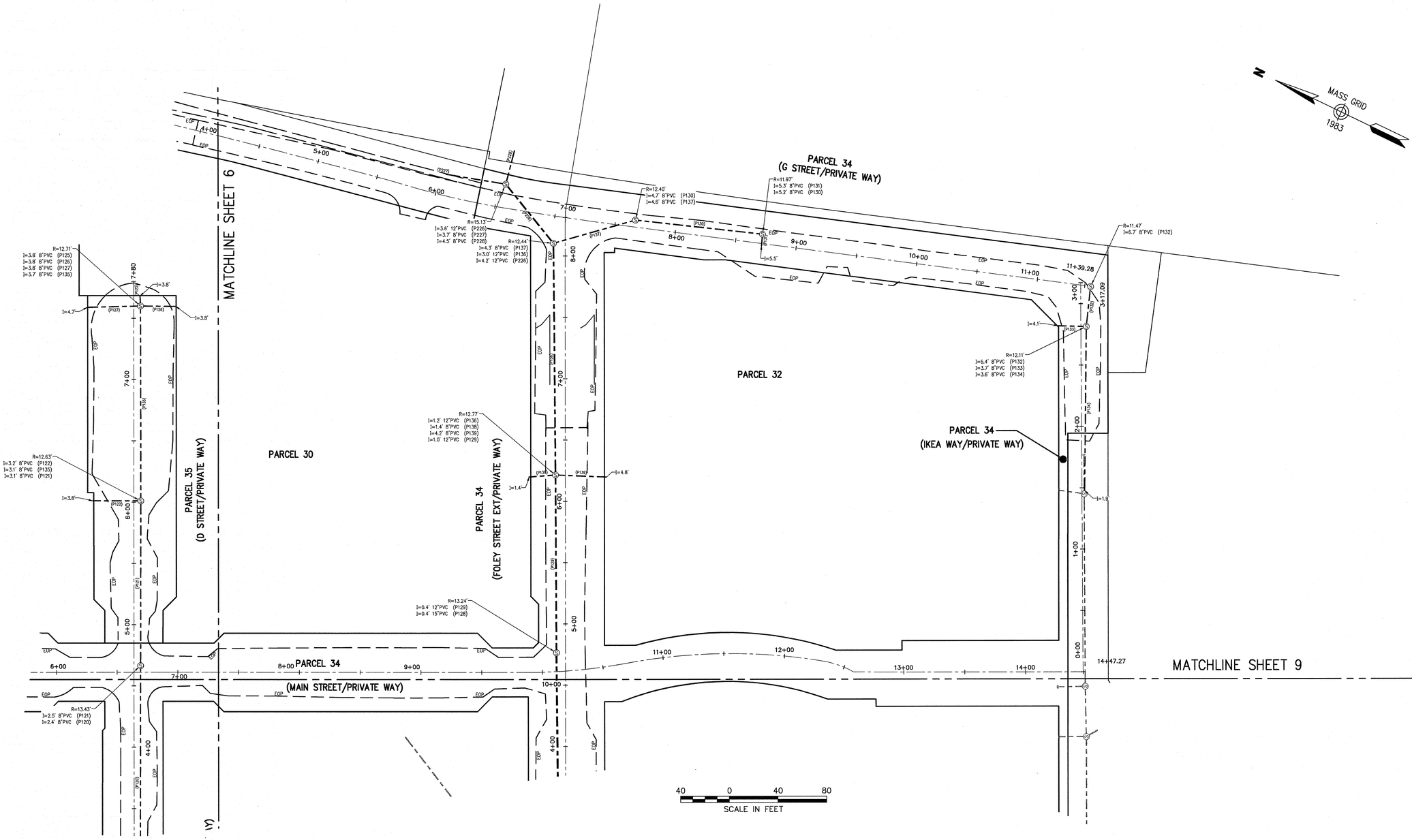
Sv-6

Sheet 6 of 13

Project Number

11763.00

\\MAWALD\d\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AF1-100 LIMIT MEAN ANNUAL HIGH WATER
- BF1-100 LIMIT OF BANK
- WF1-100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=40' | Date March 9, 2012

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Sewer Asbuilt

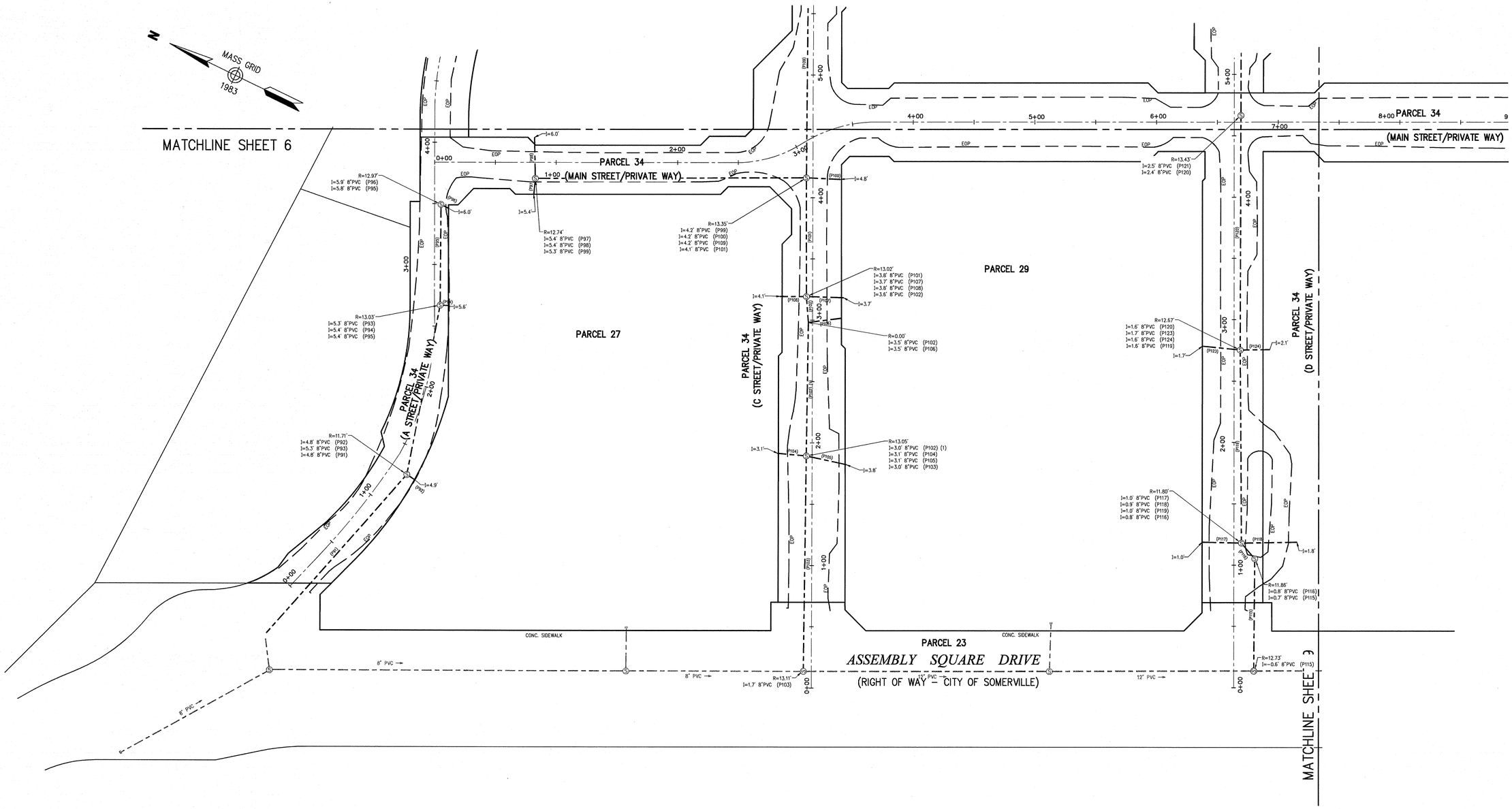
COMMONWEALTH OF MASSACHUSETTS
SELBY A. TURNER III
No. 49230
REGISTERED LAND SURVEYOR

Drawing Number
Sv-7

Sheet 7 of 13

Project Number
11763.00

\\MAWALD\Id\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



40 0 40 80
SCALE IN FEET

General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB
Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HH HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MW MONITORING WELL
- FLOOD LIGHT
- W WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- ATL-100 LIMIT MEAN ANNUAL HIGH WATER
- BFL-100 LIMIT OF BANK
- WFL-100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Apprvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=40' | Date March 9, 2012

Project Title
Assembly Row
Assembly Square
PUD
Somerville, Massachusetts

Issued for
Utility As-Built

Drawing Title
Sewer Asbuilt

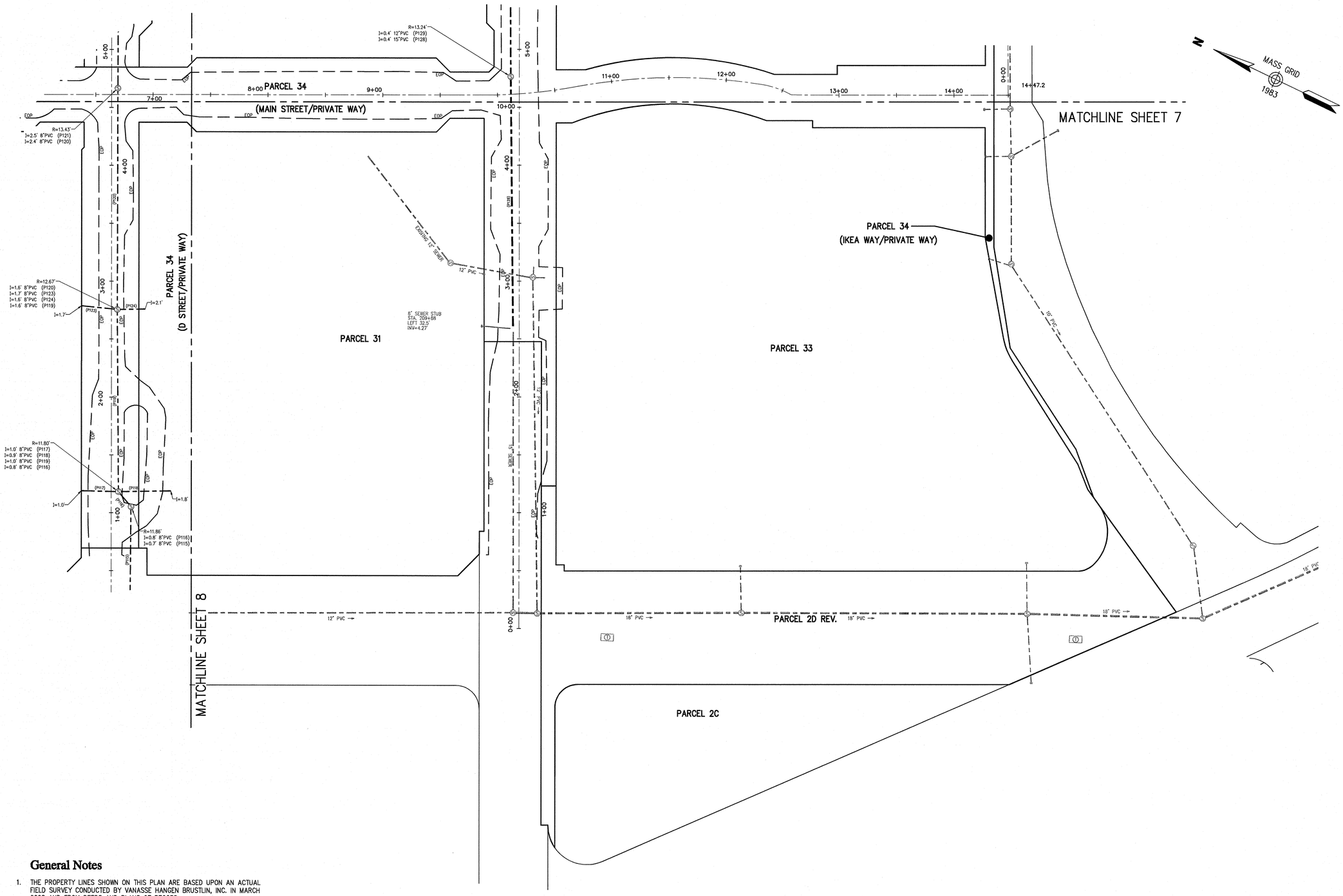
COMMONWEALTH OF MASSACHUSETTS
SELBY L. TURNER III
NO. 49230
REGISTERED PROFESSIONAL LAND SURVEYOR
3/9/2012

Drawing Number
Sv-8

Sheet 8 of 13

Project Number
11763.00

\\MAWALD\d\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

40 0 40 80
SCALE IN FEET

VHB
Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HH HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MW MONITORING WELL
- FLOOD LIGHT
- W WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AF1-100 LIMIT MEAN ANNUAL HIGH WATER
- BF1-100 LIMIT OF BANK
- WF1-100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=40' | Date March 9, 2012

Project Title
Assembly Row
Assembly Square
PUD
Somerville, Massachusetts
Issued for

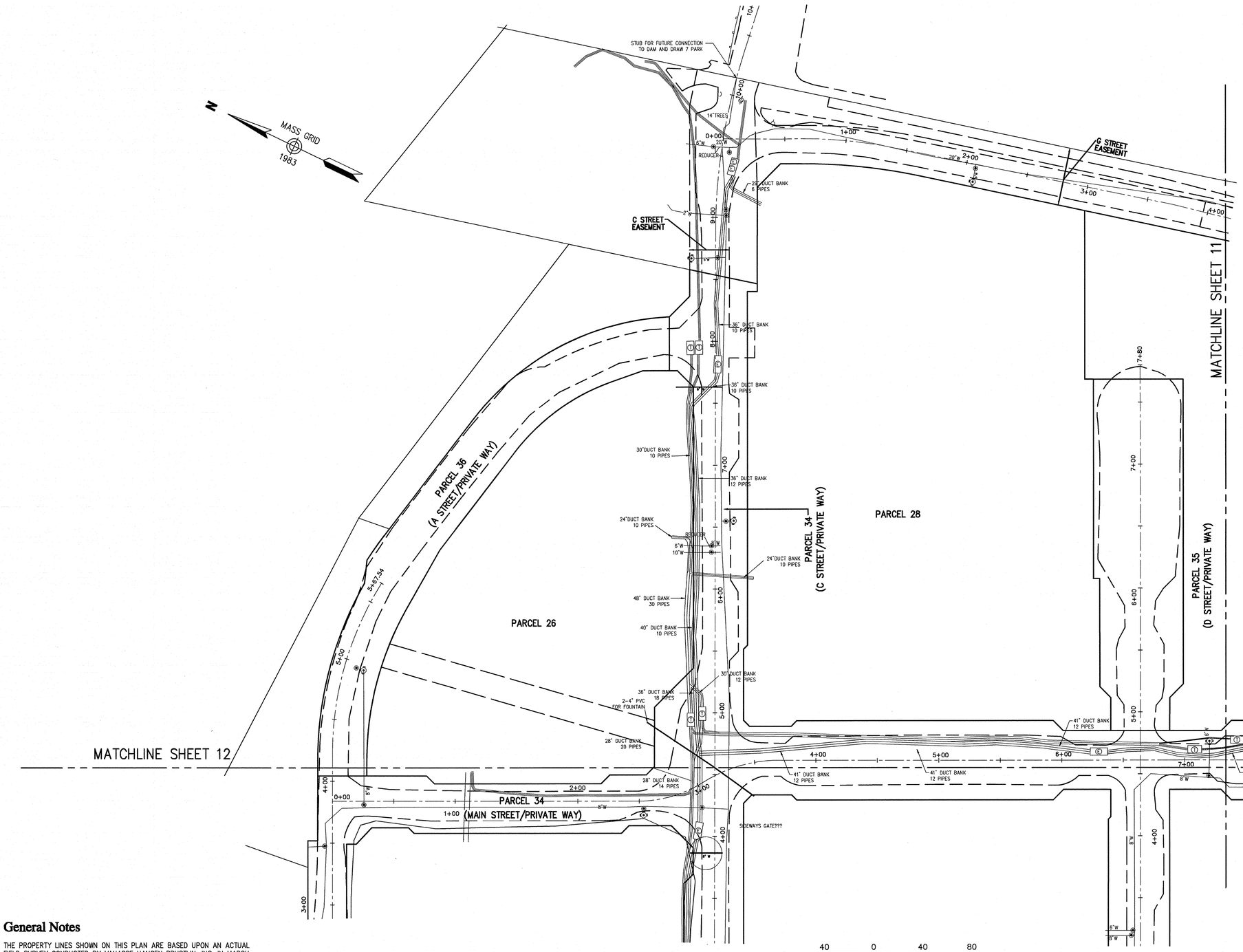
Utility As-Built

Drawing Title
Sewer Asbuilt

COMMONWEALTH OF MASSACHUSETTS
SELBY L. TURNER III
No. 49290
REGISTERED LAND SURVEYOR
3/9/2012

Drawing Number
Sv-9
Sheet 9 of 13
Project Number
11763.00

\\MAWALD\d\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EDGE OF PAVEMENT
- CONCRETE CURB
- VERTICAL GRANITE CURB
- SLOPED GRANITE EDGE
- BITUMINOUS BERM
- BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OVERHEAD WIRE
- UNDERGROUND ELECTRIC
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AF1-100 LIMIT MEAN ANNUAL HIGH WATER
- BF1-100 LIMIT OF BANK
- WF1-100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Apprvd.

Designed by | Drawn by | Checked by

CAD checked by | Approved by

Scale 1"=40' | Date March 9, 2012

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Utility Asbuilt

COMMONWEALTH OF MASSACHUSETTS
SELBY L TURNER III
No. 49220
REGISTERED
LAND SURVEYOR
3/9/2012

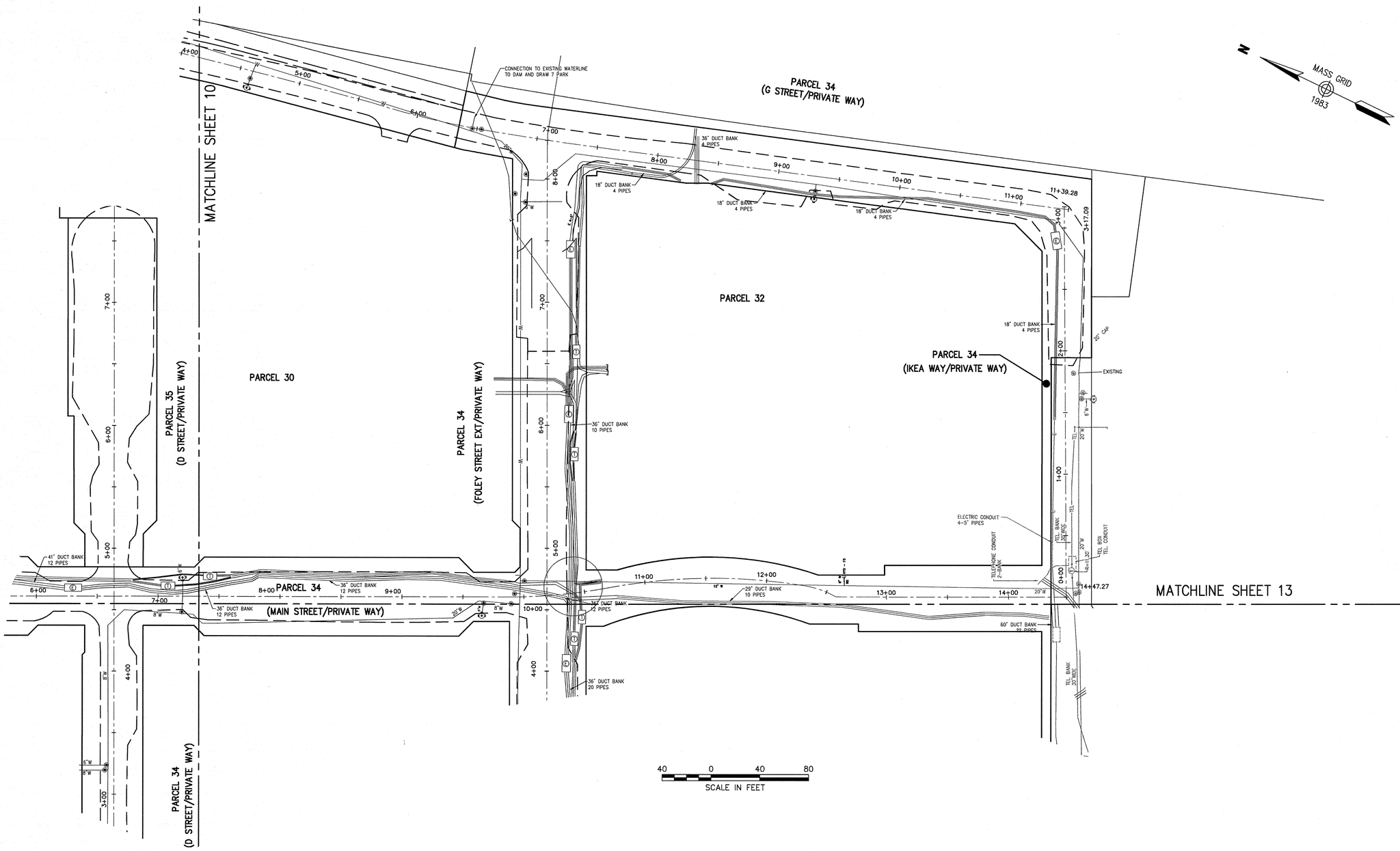
Drawing Number

Sv-10

Sheet 10 of 13

Project Number 11763.00

\\MAWALD\ld\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AF1-100' LIMIT MEAN ANNUAL HIGH WATER
- BF1-100' LIMIT OF BANK
- WF1-100' VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by	Drawn by	Checked by
CAD checked by		Approved by
Scale 1"=40'		Date March 9, 2012

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Utility Asbuilt

COMMONWEALTH OF MASSACHUSETTS
SELBY L. TURNER III
No. 49220
PROFESSIONAL LAND SURVEYOR

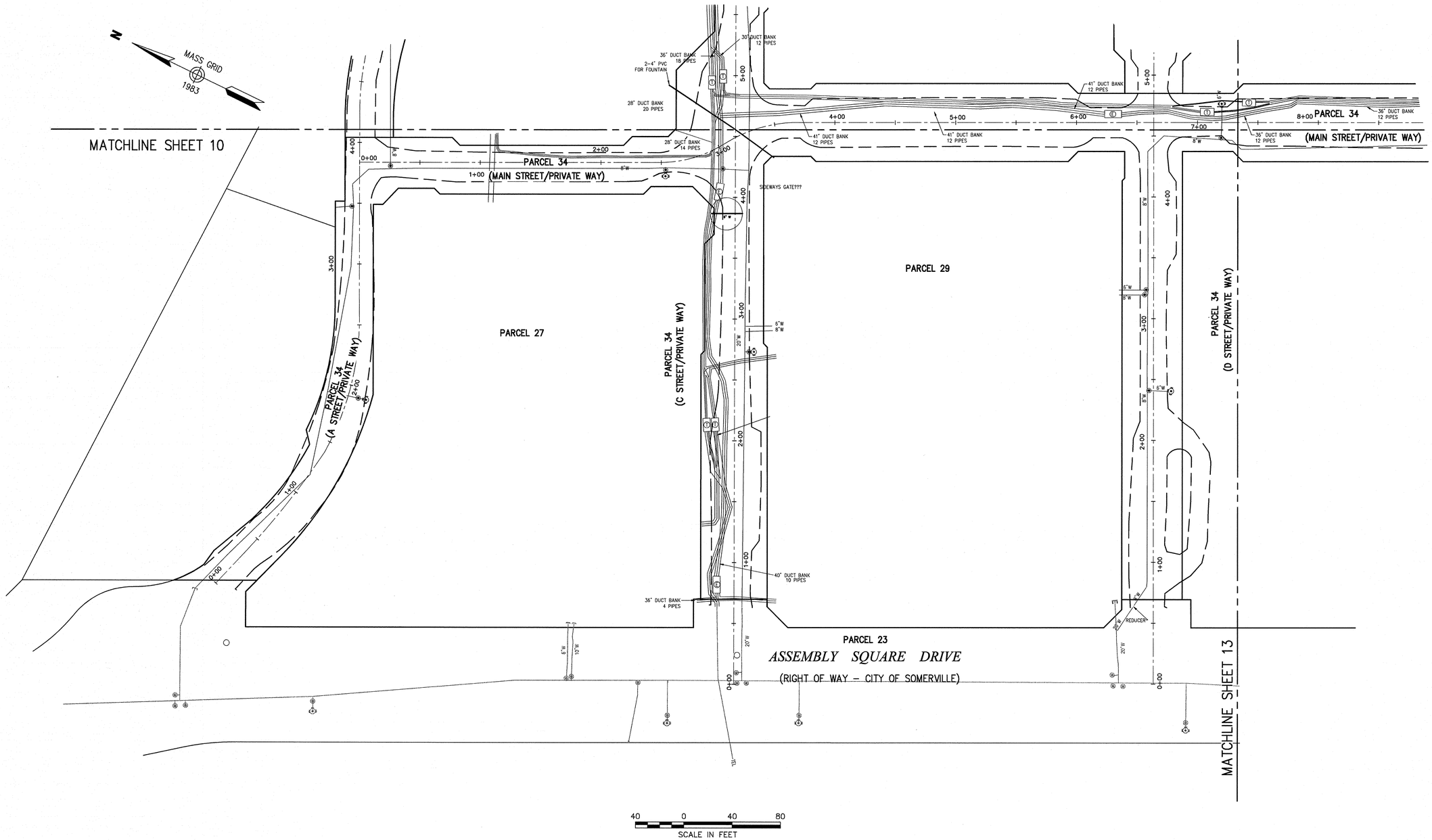
Drawing Number

Sv-11

Sheet 11 of 13

Project Number
11763.00

\\MAWALD\id\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON–THE–GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HH□ HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MW MONITORING WELL
- FLOOD LIGHT
- W WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100–FT BUFFER ZONE
- 100'RA 100–FT RIVER FRONT AREA
- 200'RA 200–FT RIVER FRONT AREA
- AF1–100 LIMIT MEAN ANNUAL HIGH WATER
- BF1–100 LIMIT OF BANK
- WF1–100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by

CAD checked by | Approved by

Scale 1"=40' | Date March 9, 2012

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Utility Asbuilt

COMMONWEALTH OF MASSACHUSETTS
SELBY L. TURNEY III
No. 49230
REGISTERED LAND SURVEYOR

Drawing Number

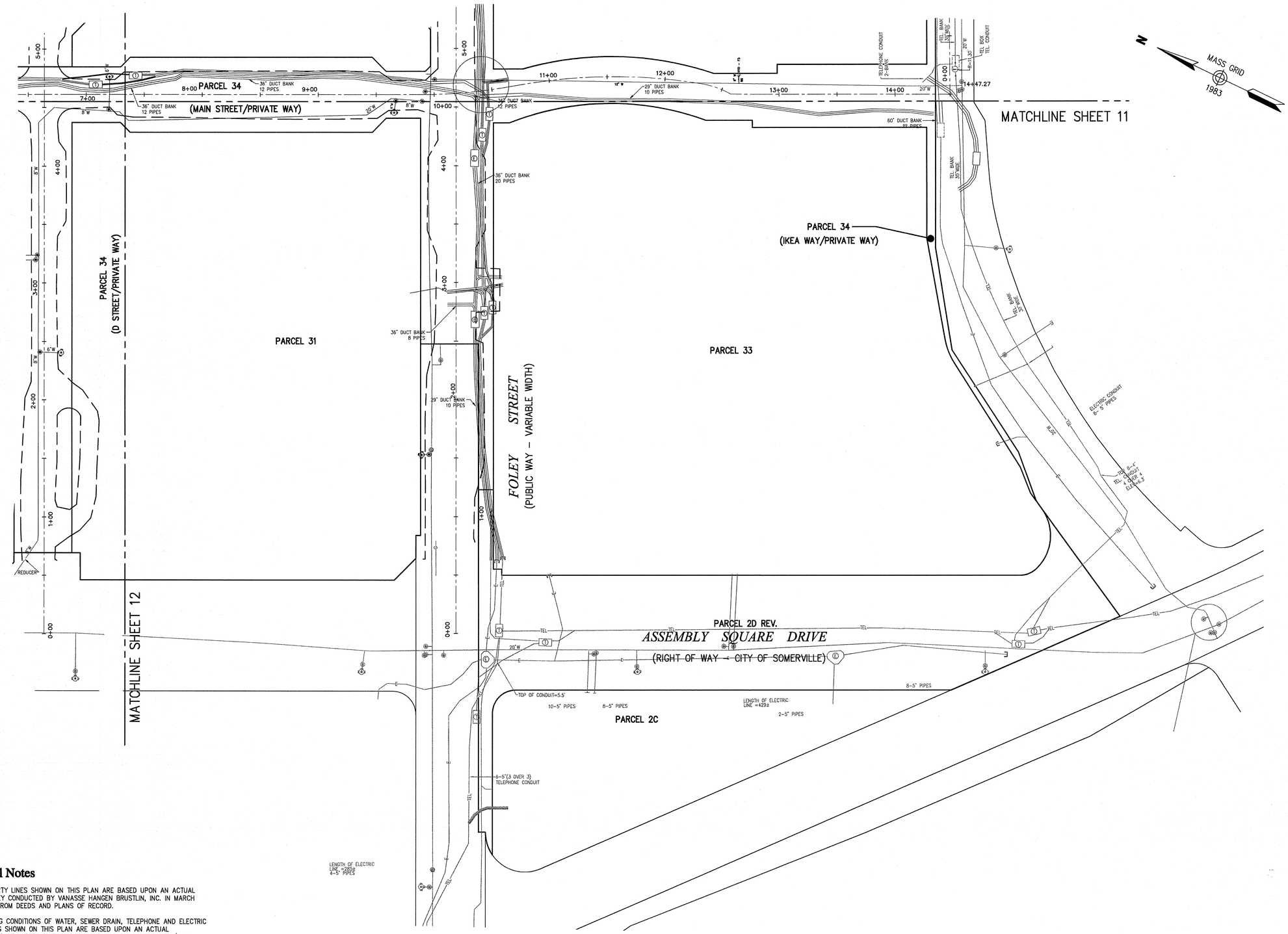
Sv-12

Sheet 12 of 13

Project Number

11763.00

\\MAWALD\d\11763.00\cad\sr\planset\11763.00–ASBUILT.dwg



General Notes

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VANASSE HANGEN BRUSTLIN, INC. IN MARCH 2008 AND FROM DEEDS AND PLANS OF RECORD.
2. THE EXISTING CONDITIONS OF WATER, SEWER DRAIN, TELEPHONE AND ELECTRIC DUCT BANKS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VANASSE HANGEN BRUSTLIN, INC. IN SEPTEMBER THRU DECEMBER OF 2011.
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS OF EXPOSED ANGLE POINTS AND PARTIAL INSTALLMENTS DURING CONSTRUCTION. VHB DID NOT OBSERVE ALL LOCATIONS OF UNDERGROUND LINES OR LINES OF SIGHT DURING INSTALLMENT.
4. HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

101 Walnut Street, P.O. Box 9151
Watertown, Massachusetts 02471-9151
617 924 1770 • FAX 617 924 2286

Legend

- DRAIN MANHOLE
- CATCH BASIN
- SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HH□ HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- MONITORING WELL
- FLOOD LIGHT
- WELL
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- F.F.E.=45.27' FINISHED FLOOR ELEVATION
- EDP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- STONE WALL
- TREE LINE
- 100'BZ 100-FT BUFFER ZONE
- 100'RA 100-FT RIVER FRONT AREA
- 200'RA 200-FT RIVER FRONT AREA
- AFI-100 LIMIT MEAN ANNUAL HIGH WATER
- BFI-100 LIMIT OF BANK
- WFI-100 VEGETATED WETLAND BOUNDARY

No.	Revision	Date	Appvd.

Designed by | Drawn by | Checked by
CAD checked by | Approved by
Scale 1"=40' | Date March 9, 2012

Project Title

Assembly Row
Assembly Square
PUD

Somerville, Massachusetts

Issued for

Utility As-Built

Drawing Title

Utility Asbuilt

COMMONWEALTH OF MASSACHUSETTS
SELBY C. TURNER III
No. 46230
REGISTERED PROFESSIONAL LAND SURVEYOR

9/2017

Drawing Number
Sv-13

Sheet 13 of 13

Project Number
11763.00

\\MAWALD\d\11763.00\cad\sr\planset\11763.00-ASBUILT.dwg