ISLINGTON VILLAGE SITE PLANS

WASHINGTON, EAST AND SCHOOL STREETS

WESTWOOD, MASSACHUSETTS

DECEMBER 12, 2017

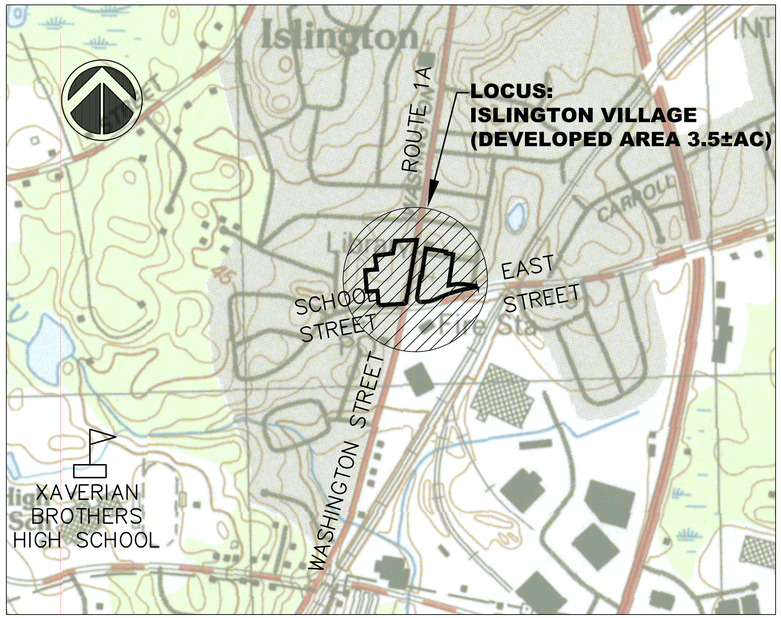
REVISION 2 – 2/1/18

APPLICANT

SUPREME DEVELOPMENT
c/o GIORGIO PETRUZZIELLO
21 EASTBROOK ROAD
DEDHAM, MA 02026

CIVIL ENGINEER

GCG ASSOCIATES, INC.
84 MAIN STREET
WILMINGTON, MA 01887



LOCUS PLAN
SCALE : 1"=500'±

2/1/18

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GCG ASSOCIATES INC. CONSULTING ENGINEERS WILMINGTON, MASSACHUSETTS

DECEMBER 12, 2017; REVISED: FEBRUARY 1, 2018

GENERAL NOTES

1.) PLANS AND TOPOGRAPHIC INFORMATION ARE PREPARED FROM A GROUND SURVEY PERFORMED BY GCG ASSOCIATES, INC., OCTOBER & NOVEMBER 2017.

2.) ELEVATIONS REFER TO NAVD 88. LOCATIONS SHOWN REFERENCE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD MA83 MAINLAND.

3.) THE LOCUS PROPERTIES ARE NOT IN A FLOOD PLAIN AS SHOWN ON MAPS 25021C0177E AND 25021C0181E, EFFECTIVE DATE JULY 17, 2012.

4) WETLAND DELINEATED BY WETLANDS & LAND MANAGEMENT INC. AND LOCATED BY GCG ASSOCIATES.

5.) BUILDING LOCATIONS AS SHOWN ON ADJACENT PROPERTIES, ARE APPROXIMATE AND FOR REFERENCE PURPOSES ONLY.

6.) CONSTRUCTION PERFORMED DURING THIS PROJECT SHALL CONFORM TO THE MASSACHUSETTS HIGHWAY DEPARTMENT, STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.

7.) ALL LOCATIONS OF SUBSURFACE UTILITIES AND STRUCTURES WERE OBTAINED FROM AVAILABLE TOWN AND UTILITY RECORDS. THE SIZE, TYPE AND LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL PROPERLY LOCATE THE UTILITIES PRIOR TO THE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN UTILITY INFORMATION BY CONTACTING DIG SAFE (811) A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.

8.) THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY UTILITY LINE LOCATIONS AS NECESSARY.

9.) THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES NEAR UTILITY LOCATIONS WITH THE RESPECTIVE REPRESENTATIVE.

10.) THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DISRUPTION ON EXISTING INDIVIDUAL UTILITY SERVICE CONNECTIONS, INCLUDING WATER, ELECTRICITY, TELEPHONE, GAS AND CABLE TELEVISION RESULTING FROM THE CONTRACTOR'S WORK.

11.) RELOCATION OF UTILITY POLES AND UNDERGROUND UTILITIES IS THE RESPONSIBILITY OF THE CUSTODIAN OF THE POLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF POLE RELOCATION.

12.) THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DISRUPTION OF EXISTING INDIVIDUAL UTILITY SERVICE CONNECTIONS INCLUDING WATER, ELECTRICITY, TELEPHONE, GAS, AND CABLE TELEVISION RESULTING FROM THE CONTRACTORS WORK.

13.) WATER MAINS ARE ASSUMED TO BE 5 FEET BELOW THE EXISTING GROUND SURFACE. GAS LINES ARE ASSUMED TO BE 3 FEET BELOW THE EXISTING GROUND SURFACE. TELEPHONE LINES AND ELECTRIC CONDUIT ARE ASSUMED TO BE 2 FEET BELOW THE EXISTING GROUND SURFACE.

14.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES ON SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING AN INDEPENDENT UTILITY MARKING COMPANY TO LOCATE EXISTING UTILITIES ON SITE.

15.) EXISTING UTILITIES INTERFERING WITH THE WORK SHALL BE RELOCATED AS DIRECTED IN THE FIELD BY THE ENGINEER, UNLESS OTHERWISE INDICATED OR SPECIFIED.

16.) DAMAGE TO ANY UTILITY WILL BE REPAIRED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, IN A TIMELY MANNER SO THAT DISRUPTION OF SERVICE TO ANY UTILITY WILL NOT BE LONGER THAN PRACTICALLY NECESSARY TO REPAIR THE DAMAGE.

17.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL STATE OR LOCAL BUILDING PERMITS THAT MAY BE REQUIRED.

18.) THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A CONSTRUCTION SCHEDULE DELINEATING THE SEQUENCE OF WORK, TRAFFIC MANAGEMENT PLAN AND ESTIMATED TIME OF COMPLETION OF EACH SEGMENT OF WORK, PRIOR TO THE COMMENCEMENT OF WORK.

19.) THE CONTRACTOR SHALL MAINTAIN CONTINUOUS TRAFFIC FLOW DURING CONSTRUCTION SATISFACTORY TO THE ENGINEER AND THE TOWN OF WESTWOOD.

20.) NO EQUIPMENT SHALL BE ALLOWED TO BE PARKED ON THE ROAD WHEN NOT IN USE. MATERIALS SHALL NOT BE STOCKPILED ON THE ROAD OR IN TOWN PARKING AREAS.

21.) ALL CONSTRUCTION SIGNAGE SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

22.) SIDEWALKS, WALKS AND DRIVEWAYS THAT ARE DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL ONCE THE WORK IS COMPLETED.

23.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY DEBRIS, SEDIMENT OR SILTY WATER FROM ENTERING ANY DRAINAGE SYSTEM, ETC. DURING ALL PHASES OF CONSTRUCTION. CONTROLS MAY INCLUDE COMPOST WATTLES, STRAW BALES, SILT FENCE, SILT SACKS, CRUSHED STONE.

24.) ALL CONSTRUCTION MATERIAL, DEBRIS, ASPHALT, SOIL, ETC. THAT IS REMOVED FROM THE SITE SHALL BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

25.) DURING CONSTRUCTION THE CONTRACTOR SHALL PROTECT ALL TREES AND ROOTS OF TREES TO REMAIN.

26.) DURING THE COURSE OF CONSTRUCTION, ANY DAMAGE TO FENCES, GUARD RAILS, PATHS, STAIRS, AND VEGETATION SHALL BE REPAIRED OR REPLACED AND RESTORED TO THE ORIGINAL CONDITION AT NO ADDITIONAL EXPENSE TO THE OWNER.

27.) ALL CASTINGS, GATE BOXES, HYDRANTS, LIGHT POLES, ETC. DAMAGED DURING RECONSTRUCTION SHALL BE SUPPLIED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

28.) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES, AND FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ALL WORK INCLUDED UNDER THIS CONTRACT. THE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SAFETY BARRIERS, WARNING FLASHERS AND THE LIKE, AS REQUIRED BY THE CONDUCT OF THE WORK FOR THE PROTECTION OF WORKERS AND NON-WORKERS ALIKE. THE CONTRACTORS ATTENTION IS DIRECTED TO OSHA REQUIREMENTS.

29.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE RESTORATION AND CLEAN UP UPON COMPLETION OF THE PROJECT.

UTILITY MARKING AND LOCATION NOTES:

1.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES ON SITE. THE CONTRACTOR SHALL HIRE A PRIVATE MARKING COMPANY TO LOCATE ONSITE UTILITIES. THE COST TO HIRE THE PRIVATE MARKING COMPANY SHALL BE INCLUDED IN THE CONTRACT PRICE.

2.) BEFORE CONSTRUCTION CONSTRUCTION, ALL UTILITIES, PUBLIC AND PRIVATE MUST BE NOTIFIED (SEE MASSACHUSETTS GENERAL LAWS, CHAPTER 82 SECTION 40.) CALL "DIG SAFE" – 811, OR CUSTOMER SERVICE – 1 (888) 344-7233 HTTP://WWW.DIGSAFE.COM

3.) UTILITY REFERENCES INCLUDE:

GAS:
EVERSOURCE
ELECTRIC/TELEPHONE/CABLE/FIRE ALARM:
EVERSOURCE/COMCAST/VERIZON
SEWER:
TOWN OF WESTWOOD
DRAIN:
TOWN OF WESTWOOD
WATER:
DEDHAM WESTWOOD WATER

SUBSURFACE UTILITY LINES, AS SHOWN HEREON, WERE COMPILED ACCORDING TO AVAILABLE RECORD INFORMATION FROM THE REFERENCED UTILITY COMPANIES, THE TOWN OF WESTWOOD. THE LOCATIONS ARE APPROXIMATE ONLY.

4.) THE CONTRACTOR SHALL ACCURATELY LOCATE THE EXISTING WATER, SEWER, AND ANY ELECTRIC SERVICE PIPES CONNECTED TO EACH BUILDING THAT HAVE NOT PREVIOUSLY BEEN MARKED OUT WITHIN THE LIMITS OF WORK PRIOR TO CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT.

5.) THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY UTILITY LINE LOCATIONS AS NECESSARY OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PLAN AND PERFORM TEST PIT EXCAVATION WELL IN ADVANCE OF COMMENCING CONSTRUCTION IN THE GENERAL AREA TO ALLOW TIME TO REVIEW ACTUAL CONDITIONS ENCOUNTERED. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE.

6.) WATER MAINS ARE ASSUMED TO BE 5 FEET BELOW THE EXISTING GROUND SURFACE. GAS LINES ARE ASSUMED TO BE 3 FEET BELOW THE EXISTING GROUND SURFACE. TELEPHONE LINES AND ELECTRIC CONDUIT ARE ASSUMED TO BE 2 FEET BELOW THE EXISTING GROUND SURFACE.

8.) EXISTING UTILITIES INTERFERING WITH THE WORK SHALL BE RELOCATED AS DIRECTED IN THE FIELD BY THE ENGINEER, UNLESS OTHERWISE INDICATED OR SPECIFIED.

9.) DAMAGE TO ANY UTILITY WILL BE REPAIRED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, IN A TIMELY MANNER SO THAT DISRUPTION OF SERVICE TO ANY UTILITY WILL NOT BE LONGER THAN PRACTICALLY NECESSARY TO REPAIR THE DAMAGE.

SIDEWALK CONSTRUCTION NOTES:

1.) RECONSTRUCTION OF SIDEWALKS SHALL BE IN ACCORDANCE WITH THE TYPICAL CROSS SECTION DETAILS.

2.) HMA PAVEMENT SIDEWALKS SHALL HAVE A MINIMUM 3" DEPTH CONSISTING OF A 1-1/2" BINDER COURSE AND A 1-1/2" SURFACE COURSE.

3.) CEMENT CONCRETE RAMPS SHALL BE A OF MINIMUM 4" DEEP. CEMENT CONCRETE RAMPS AND DRIVEWAY APRONS SHALL BE A MINIMUM OF 6" DEEP.

4.) CEMENT CONCRETE SIDEWALK SHALL BE A BROOM FINISH WITH 2" BORDER TO MATCH EXISTING.

5.) THE CONTRACTOR SHALL COMPACT AND FINE GRADE GRAVEL SUBBASE AS SPECIFIED. ALL SUBBASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% OF THE STANDARD PROCTOR DENSITY.

6.) THE CONTRACTOR SHALL FINE GRADE THE GRAVEL SUBBASE NO MORE THAN 24 HOURS PRIOR TO THE PLACEMENT OF THE BASE COURSE PAVEMENT. ALL GRADING, COMPACTION AND DUST CONTROL ASSOCIATED WITH THE SUBBASE SHALL BE INCLUDED IN THE CONTRACT PRICE.

7.) SIDEWALKS ADJACENT TO BUILDING ENTRANCES SHALL BE REGRADED TO DIRECT RUNOFF AWAY FROM BUILDING.

8.) THE COSTS ASSOCIATED WITH THE EXCAVATION AND DISPOSAL OF ADDITIONAL MATERIALS AND SOIL SURPLUS SHALL BE INCLUDED IN THE CONTRACT PRICE. EXCAVATED MATERIALS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

9.) ANY STRUCTURES OR GATE BOXES IN SIDEWALKS SHALL BE RESET TO FINISHED GRADE AS PART OF THE CONTRACT.

10.) WHEN SIDEWALKS MEET ROADWAY OR PARKING PAVEMENT, 12" OF GRAVEL SHALL BE INSTALLED UNDER THE SIDEWALK 3 FEET LATERAL DISTANCE FROM THE EDGE OF ROADWAY.

GENERAL PAVING NOTES:

1.) THE CONTRACTOR SHALL SAW CUT ALL JOINTS IN THE EXISTING PAVEMENT AREAS WHERE THE PROPOSED PAVEMENT WILL MEET EXISTING PAVEMENT TO REMAIN. ALL JOINTS SHALL PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND OLD PAVEMENTS. IMMEDIATELY AFTER PAVING, ALL NEW JOINTS SHALL BE SANDED AND SEALED.

2.) THE CONTRACTOR SHALL RESET ALL WATER, SEWER, GAS, ELECTRIC, TELEPHONE AND DRAINAGE FRAMES AND GRATES AND ANY OTHER STRUCTURES, SIGNS, ETC. NECESSARY TO INSTALL THE PROPOSED PAVEMENT TO THE PROPOSED FINISH GRADE ELEVATION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT.

4.) THE CONTRACTOR SHALL PERFORM WORK REQUIRED TO SUPPORT OR REMOVE AND REPLACE EXISTING STRUCTURES AND UTILITY LINES ADJACENT TO OR WITHIN THE LIMITS OF WORK UNDER THE CONTRACT.

5.) ALL CASTINGS, GATE BOXES, ETC. DAMAGED DURING RECONSTRUCTION SHALL BE SUPPLIED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

6.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY RELOCATION OF DUMPSTERS AS NECESSARY TO COMPLETE THE PROPOSED WORK.

7.) THE CONTRACTOR SHALL MAINTAIN CONTINUOUS TRAFFIC FLOW DURING CONSTRUCTION AND SHALL MAINTAIN ACCESS TO ALL RESIDENTIAL DRIVEWAYS AND ACCESS WAYS SATISFACTORY TO THE ENGINEER, THE OWNER AND THE TOWN OF WESTWOOD. NO EQUIPMENT SHALL BE ALLOWED TO BE PARKED ON THE DRIVEWAY WHEN NOT IN USE. MATERIALS SHALL NOT BE STOCKPILED ON THE DRIVEWAY.

8.) ALL NEW PAVEMENT STRIPING SHALL BE 4" WIDE PAINTED LINES TO MATCH EXISTING COLOR ON SITE.

DRIVEWAY AND PARKING AREA RECONSTRUCTION NOTES

1.) CONTRACTOR SHALL REMOVE & REPLACE EXISTING PAVEMENT AND GRAVEL SUBBASE AS NECESSARY AND SHALL PROVIDE A 12" MINIMUM DEPTH OF COMPACTED GRAVEL SUBBASE AND A 3-1/2" MINIMUM DEPTH OF HMA PAVEMENT.

2.) THE 3-1/2" MINIMUM DEPTH OF HMA SHALL CONSIST OF A 2" BINDER COURSE AND A 1-1/2" SURFACE COURSE AS SHOWN ON THE TYPICAL DETAIL AND SHALL CONFORM TO THE MASS DOT STANDARD SPECIFICATIONS.

3.) THE BASE COURSE MATERIAL SHALL CONSIST OF EITHER A MINIMUM OF 12" GRAVEL BORROW M1.03.0 TYPE "B" OR RECLAIMED PAVEMENT BORROW M1.09.0 OR A COMBINATION OF 4" OF DENSE-GRADED CRUSHED STONE M2.01.7 UNDERLAIN BY EITHER 8" OF GRAVEL BORROW M1.03.0 TYPE "B" OR RECLAIMED PAVEMENT BORROW M1.09.0.

4.) THE CONTRACTOR SHALL COMPACT AND FINE GRADE GRAVEL SUBBASE AS SPECIFIED. ALL SUBBASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% OF THE STANDARD PROCTOR DENSITY.

5.) IN AREAS WHERE PAVEMENT EXPANSION IS PROPOSED, THE EXISTING SOILS SHALL BE EXCAVATED TO THE REQUIRED SUBGRADE DEPTH THEN BACKFILLED AND COMPACTED WITH A SUITABLE 12" THICK SUBBASE LAYER.

6.) THE CONTRACTOR SHALL FINE GRADE THE GRAVEL SUBBASE NO MORE THAN 24 HOURS PRIOR TO THE PLACEMENT OF THE BASE COURSE PAVEMENT.

7.) A TACK COAT CONSISTING OF ASPHALT EMULSION TYPE "RS-1" SHALL BE APPLIED OVER THE BINDER COURSE AT UNIFORM RATE OF 0.05 GALLONS PER SQUARE YARD IMMEDIATELY PRIOR TO INSTALLATION OF THE SURFACE COURSE.

8.) SHOULDERS OF DRIVEWAY AND PARKING AREAS SHALL BE GRADED FOR A SMOOTH TRANSITION FROM THE PROPOSED EDGE OF PAVEMENT/ CURB TO THE EXISTING GRADE.

9.) CROSS SLOPES AT CATCH BASINS SHALL BE ADJUSTED AS NECESSARY TO ASSURE PROPER DRAINAGE.

10.) DRAINAGE STRUCTURES SHALL BE ADJUSTED OR REMODELED AS REQUIRED TO MEET GRADE.

11.) THE CONTRACTOR SHALL CONTROL DUST DURING CONSTRUCTION.

12.) EXCAVATED MATERIALS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

13.) THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS.

FINE GRADING AND COMPACTING:

1.) THE CONTRACTOR SHALL FINE GRADE AND COMPACT ALL AREAS IN PREPARATION FOR PAVEMENT, INCLUDING, BUT NOT LIMITED TO THE DRIVEWAY AREAS AND TRANSITION DRIVEWAY AREAS. THE CONTRACTOR SHALL ALSO STRAIGHT CUT ALL EXISTING JOINTS AND EDGES IN PREPARATION FOR FINAL PAVEMENT.

2.) PAYMENT FOR GRADING AND COMPACTING THE RECONSTRUCTED SIDEWALK SHALL BE INCLUDED IN THE CONTRACT.

3.) PAYMENT FOR FINE GRADING AND COMPACTING THE RECONSTRUCTED DRIVEWAY AND PARKING AREAS SHALL BE INCLUDED IN THE CONTRACT.

4.) COMPACTION TESTING SHALL BE PERFORMED UNDER DIRECTION OF THE ENGINEER, TESTING COSTS SHALL BE INCLUDED IN THE CONTRACT.

SITE EROSION & SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH EROSION AND SEDIMENTATION CONTROL DETAILS AND NOTES AS SHOWN ON DETAIL SHEETS.

2. COMPOST SOCK EROSION AND SEDIMENT CONTROL BARRIER SHALL BE PLACED AT DOWNSTREAM PROJECT LIMITS PRIOR TO THE COMMENCEMENT OF WORK. WATTLES SHALL BE INSPECTED DAILY AND CLEANED OR REPAIRED AS NEEDED DURING CONSTRUCTION PERIOD.

3. CONSTRUCTION PERIOD SILT SACKS SHALL BE USED AT ALL CATCH BASINS. SILT SACKS SHALL BE KEPT FREE OF SEDIMENT AND DEBRIS, INSPECTED WEEKLY AND REPAIRED PROMPTLY.

TREE REMOVAL AND TRIMMING NOTES:

1. THE CONTRACTOR SHALL REMOVE TREES AND STUMPS AS IDENTIFIED ON PLANS AND SHALL NOT REMOVE ANY TREES UNTIL APPROVED BY THE ENGINEER.

2. ROOTS ON TREES WHICH ARE IMPACTING THE SAFETY OF THE SITE OR AFFECTING WALKWAYS SHALL BE REMOVED BY THE CONTRACTOR. WHEN THE ARBORIST DETERMINES THAT THE NUMBER OF ROOTS REMOVED MAY IMPACT THE LIFE OF THE TREE, THE TREE AND STUMP SHALL BE REMOVED.

3. THE CONTRACTOR SHALL REMOVE OVERGROWN VEGETATION ALONG SITE PERIMETER AS NEEDED.

4. CLEARING AND GRUBBING WITHIN AREAS IDENTIFIED SHALL INCLUDE TRIMMING OF TREES SO THAT LIMBS SHALL NOT EXTEND OVER ANY BUILDING ROOF AND WITHIN 10' OF ANY UTILITY WIRE. TREE LIMBS SHALL ALSO BE TRIMMED WHEN EXTENDING BELOW A HEIGHT OF 10' FROM GROUND LEVEL.

5. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED.

EXISTING LEGEND

- TEMPORARY BENCH MARK MAG/PK
- TEMPORARY BENCH MARK MAG/PK
- DRILL HOLE
- BOUND
- IRON PIN OR IRON ROD
- APPROX. HOUSE LOCATION
- EXISTING BUSH/SHRUB
- EXISTING TREE W/TRUNK DIA. 24"
- EXISTING CATCH BASIN
- EXISTING DRAIN MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING UNMARKED MANHOLE
- EXISTING HYDRANT
- EXISTING WATER GATE VALVE
- EXISTING WATER SHUT OFF
- EXISTING GAS GATE VALVE
- EXISTING LIGHT POST
- EXISTING UTILITY POLE
- EXISTING GUY WIRE ANCHOR
- EXISTING SIGN
- EXISTING TRAFFIC POLE
- EXISTING TRANSFORMER
- EXISTING BOLLARD
- G — EXISTING GAS LINE
- D — EXISTING DRAIN LINE
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- E — EXISTING ELECTRIC LINE
- OHW — EXISTING OVERHEAD WIRE
- 105 — EXISTING 5' CONTOURS
- 104 — EXISTING 1' CONTOURS
- 130.56 — EXISTING SPOT GRADE
- EOP — EXISTING EDGE OF PAVEMENT
- EXISTING CURBING
- X — EXISTING FENCE -CHAIN LINK
- EXISTING FENCE -WOOD OR VINYL
- EXISTING GUARD RAIL
- EXISTING VEGETATION LINE
- EXISTING WETLANDS
- EXISTING WALL/ RETAINING WALL
- APPROX. PROPERTY LINE
- APPROX. RIGHT-OF-WAY LINE
- APPROX. EASEMENT LINE

ABBREVIATIONS

APPROX	APPROXIMATE
BC	BOTTOM OF CURB
BLDG	BUILDING
BIT	BITUMINOUS
CB	CATCH BASIN
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
D	DRAIN
DRV	DRIVEWAY
DMH	DRAIN MANHOLE
ELEC	ELECTRIC
EOP	EDGE OF PAVEMENT
ESHGW	ESTIMATED SEASONAL HIGH GROUND WATER
EXIST	EXISTING
HYD	HYDRANT
INV	INVERT
MH	MANHOLE
N/F	NOW OR FORMERLY
OHW	OVERHEAD WIRE
PROP	PROPOSED
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
S	SEWER
SMH	SEWER MANHOLE
TC	TOP OF CURB
TYP	TYPICAL
UP	UTILITY POLE
VGC	VERTICAL GRANITE CURB

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

COMMONWEALTH OF MASSACHUSETTS
MICHAEL J. CARTER
CIVIL
No. 35907
REGISTERED PROFESSIONAL ENGINEER
2/1/18

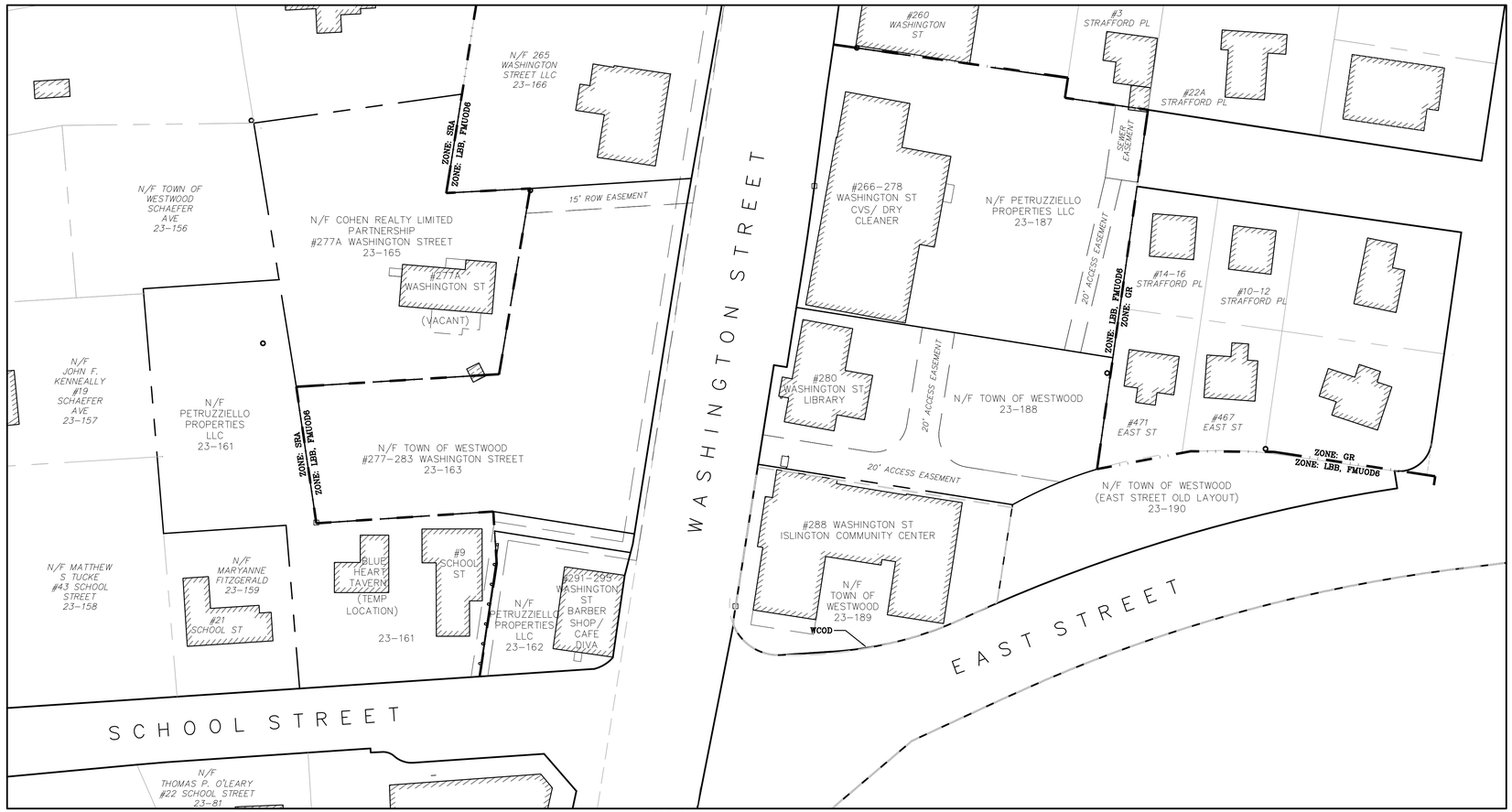
NOTES & LEGEND

ISLINGTON VILLAGE
WESTWOOD MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: N.T.S. DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753-COVER_DETAILS
DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.
PLAN NO. C-2 OF 14



PLAN
SCALE: 1" = 40'

SCHOOL STREET SIDE ASSESSOR'S DESIGNATIONS:
MAP 23, LOT 161 – PETRUZZIELLO PROPERTIES
MAP 23, LOT 162 – PETRUZZIELLO PROPERTIES
MAP 23, LOT 163 – TOWN OF WESTWOOD
MAP 23, LOT 165 – COHEN REALTY TRUST (UNDER P&S W/PETRUZIELLO)

EAST STREET SIDE ASSESSOR'S DESIGNATIONS:
MAP 23, LOT 187 – PETRUZZIELLO PROPERTIES
MAP 23, LOT 188 – TOWN OF WESTWOOD
MAP 23, LOT 189 – TOWN OF WESTWOOD
MAP 23, LOT 190 – TOWN OF WESTWOOD

ZONING KEY:
LBB –LOCAL BUSINESS B
FMUOD6 –FLEXIBLE MULTIPLE USE OVERLAY DISTRICT, WASHINGTON STREET BUSINESS DISTRICT
WCOD –WIRELESS COMMUNICATIONS OVERLAY DISTRICT
SRA –SINGLE RESIDENCE A
GR –GENERAL RESIDENCE DISTRICT

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

PROPERTY KEY PLAN

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: 1"=40' DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753–BASE

DESIGNED BY:
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

PLAN NO. C–3 OF 14

(1997 STATE HIGHWAY LAYOUT 7345)

PLAN

SCALE: 1" = 20'

NOTES:

1.) PLANS AND TOPOGRAPHIC INFORMATION ARE PREPARED FROM GROUND SURVEY BY GCG ASSOCIATES, INC. PERFORMED IN OCTOBER OF 2017.
2.) COORDINATES REFER TO MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD 83). ELEVATIONS REFER TO NAVD 1988.
3.) ALL LOCATIONS OF SUBSURFACE UTILITIES AND STRUCTURES WERE OBTAINED FROM AVAILABLE TOWN AND UTILITY RECORDS. THE SIZE, TYPE AND LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL PROPERLY LOCATE THE UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN UTILITY INFORMATION BY CONTACTING DIGSAFE (811). THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY UTILITY LINES.

SCHOOL STREET SIDE ASSESSOR'S DESIGNATIONS:

MAP 23, LOT 161 – PETRUZZIELLO PROPERTIES
MAP 23, LOT 162 – PETRUZZIELLO PROPERTIES
MAP 23, LOT 163 – TOWN OF WESTWOOD
MAP 23, LOT 165 – COHEN REALTY TRUST (UNDER P&S W/PETRUZIELLO)

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

EXISTING CONDITIONS PARKING TABLE:

PETRUZIELLO PROPERTIES:	PRINCIPAL USE	REQUIREMENT	CRITERIA	DEMAND	SUPPLY
266–278 WASHINGTON ST (CVS)	RETAIL/SALES AND SERVICES	1 SPC/250 SF	9,850 SF	40	26
291 WASHINGTON ST (CAFE/BARBER)					
1st Floor	RETAIL/SALES AND SERVICES	1 SPC/250 SF	1,850 SF	8	4
Upper Floor	PROFESSIONAL/BUSINESS SERVICES	1 SPC/333 SF	2,163 SF	7	4
9 SCHOOL ST (TAILOR)	RETAIL/SALES AND SERVICES	1 SPC/250 SF	1,505 SF	7	3
277A WASHINGTON ST	SINGLE FAMILY DWELLING	2 SPC PER DWELLING	1 UNIT	2	2
			SUBTOTAL	(64)	(39)
TOWN OWNED PROPERTIES:					
LIBRARY	MUNICIPAL FACILITIES*	3.5 SPC/1000 SF	1,962 SF	9	29
COMMUNITY CTR	MUNICIPAL FACILITIES*	3.1 SPC/1000 SF	11,031 SF	45	0
EAST STREET PARCEL					0
MUNICIPAL PARKING LOT	MUNICIPAL FACILITIES*	4 SPC BERTIE'S 9 SPC WILD BLOSSOM			30
			SUBTOTAL		(59)
ON STREET					6
			TOTAL	118	104

* AS DETERMINED BY PLANNING BOARD (SHOWN PER ITE)

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

EXISTING CONDITIONS SITE PLAN
SCHOOL STREET SIDE

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

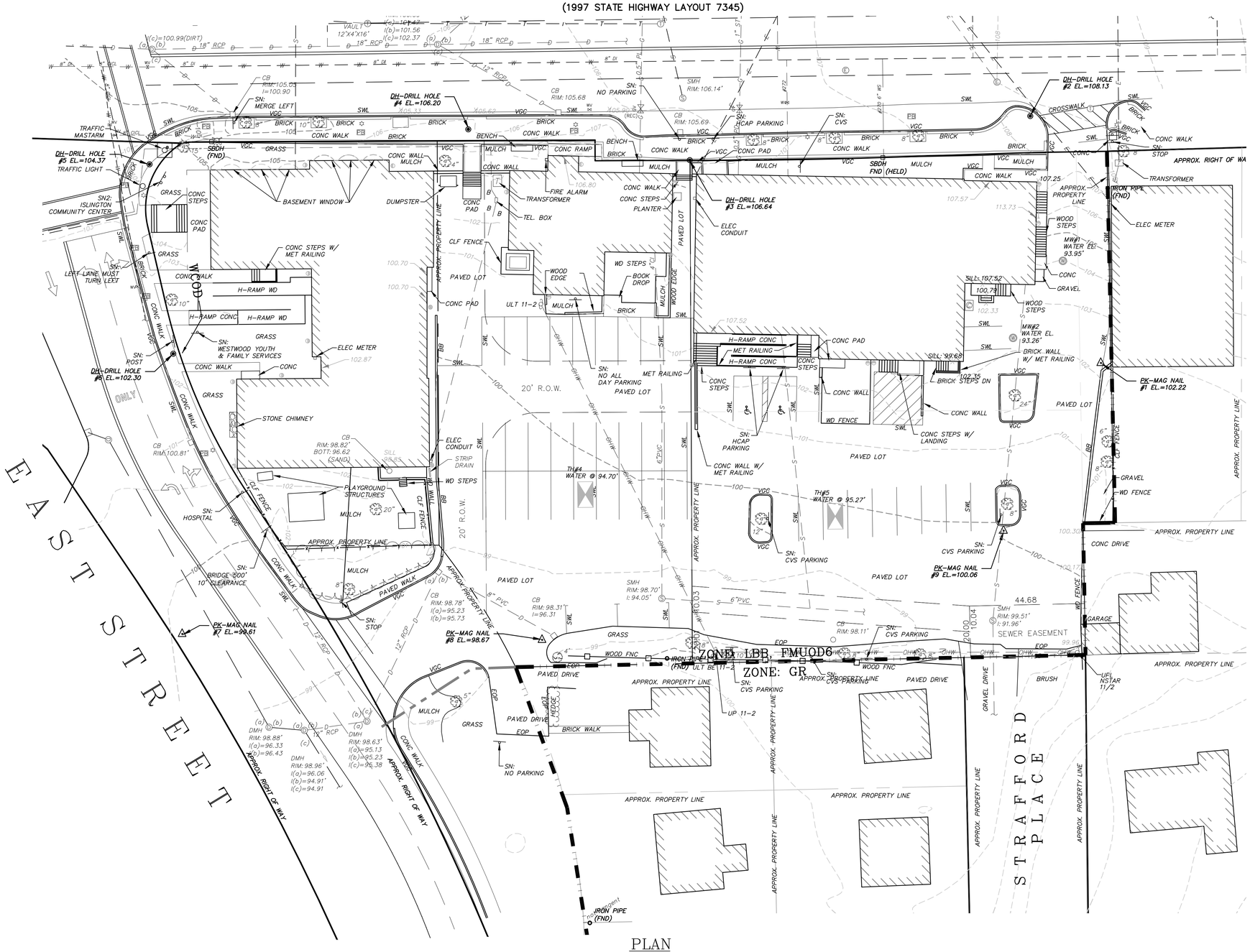
GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: 1"=20' DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753–BASE
DESIGNED BY: S.B.H
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.
PLAN NO. C–4 OF 14

WASHINGTON STREET

(1997 STATE HIGHWAY LAYOUT 7345)



PLAN

SCALE: 1" = 20'

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

NOTES:

1.) PLANS AND TOPOGRAPHIC INFORMATION ARE PREPARED FROM GROUND SURVEY BY GCG ASSOCIATES, INC. PERFORMED IN OCTOBER OF 2017.
2.) COORDINATES REFER TO MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD 83). ELEVATIONS REFER TO NAVD 1988.
3.) ALL LOCATIONS OF SUBSURFACE UTILITIES AND STRUCTURES WERE OBTAINED FROM AVAILABLE TOWN AND UTILITY RECORDS. THE SIZE, TYPE AND LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL PROPERLY LOCATE THE UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN UTILITY INFORMATION BY CONTACTING DIGSAFE (811). THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY UTILITY LINES.

EAST STREET SIDE ASSESSOR'S DESIGNATIONS:

MAP 23, LOT 187 – PETRUZZIELLO PROPERTIES
MAP 23, LOT 188 – TOWN OF WESTWOOD
MAP 23, LOT 189 – TOWN OF WESTWOOD
MAP 23, LOT 190 – TOWN OF WESTWOOD

GROUNDWATER ELEVATION:

MONITORING WELL #1 (MW#1):
RIM=103.95'
WATER=93.95'
BOTTOM=86.85' (DEBRIS AT BOTTOM)
MONITORING WELL #2 (MW#2):
RIM=102.11'
WATER=93.26'
BOTTOM=13.85' (DEBRIS AT BOTTOM)

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

EXISTING CONDITIONS SITE PLAN
EAST STREET SIDE

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.

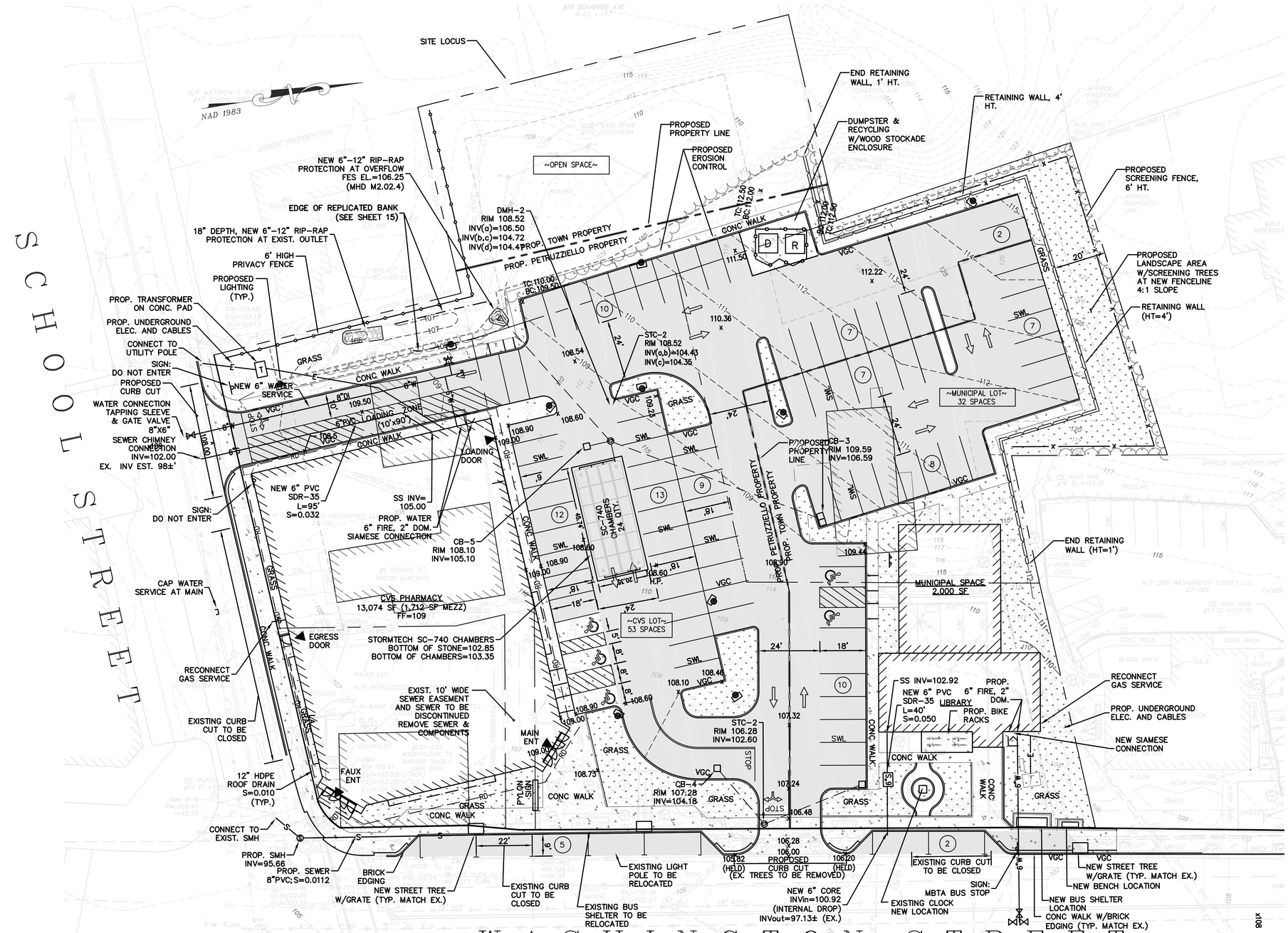
WILMINGTON MASSACHUSETTS

SCALE: 1"=20' DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753-BASE

DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

PLAN NO. C-5 OF 14



PLAN

SCALE: 1" = 20'

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

PARKING TABLE

EAST STREET SIDE:	**MIXED-USE BUILDING**						
	(CONDOS)	SINGLE FAMILY DWELLING	2 SPC/DWELLING	18 CONDOS	36	36	LOWER LEVEL PARKING GARAGE
	(RETAIL)	RETAIL SALES AND SERVICES	1 SPC/250 SF	13,000 SF	52	27	SHARED REAR LOT
	#266-278 WASHINGTON ST.						
	(RETAIL)	RETAIL SALES AND SERVICES	1 SPC/250 SF	8,750 SF	35	18	SHARED REAR LOT
	(MMO DAYCARE)	CHILD CARE FACILITY	3.5 SPC/ 1,000 SF	4,000 SF	14	10	SHARED REAR LOT
				TOTAL RETAIL/MMO=	101	55	
	STREET PARKING				0	12	
				OVERALL SCHOOL STREET SIDE TOTALS:	**137**	**103**	**DEFICIT 34 SPACES*** **

* DETERMINED BY PLANNING BOARD, REQUIREMENT SHOWN PER ITE HANDBOOK

**Westwood 6.1.4.3 1 SPC/EMPLOYEE, 2 SPC/CLASSROOM (UNKNOWN PARAMETERS, ITE REQUIRED VALUES SHOWN)

***9.5.10.2 - PB MAY GRANT ALTERNATIVE PARKING ARANGEMENTS IN FMUOD FOR JOINT OFF-STREET PARKING

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

PROPOSED SITE PLAN
SCHOOL STREET SIDE

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.

WILMINGTON MASSACHUSETTS

SCALE: 1"=20' DATE: DECEMBER 12, 2017

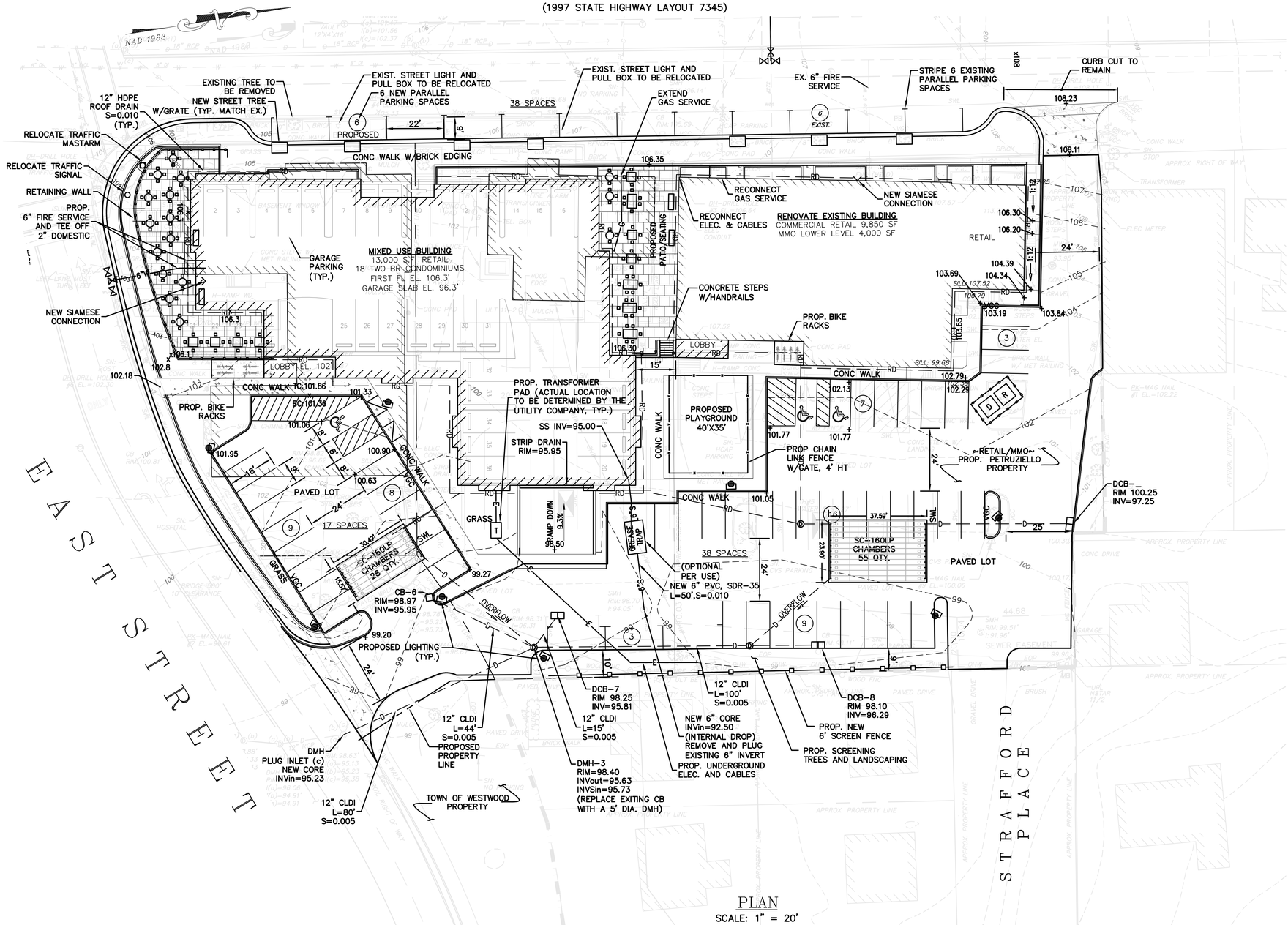
JOB NO.\FILE NAME: 1753-DESIGN_SITES

DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

PLAN NO. C-6 OF 14

WASHINGTON STREET

(1997 STATE HIGHWAY LAYOUT 7345)



PLAN

SCALE: 1" = 20'

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

EAST STREET SIDE:							
MIXED-USE BUILDING							
(CONDOS)	SINGLE FAMILY DWELLING	2 SPC/DWELLING	18 CONDOS	36	36	LOWER LEVEL PARKING GARAGE
(RETAIL)	RETAIL SALES AND SERVICES	1 SPC/250 SF	13,000 SF	52	27	SHARED REAR LOT
#266-278 WASHINGTON ST.						
(RETAIL)	RETAIL SALES AND SERVICES	1 SPC/250 SF	8,750 SF	35	18	SHARED REAR LOT
(MMO DAYCARE)	CHILD CARE FACILITY	3.5 SPC/ 1,000 SF	4,000 SF	14	10	SHARED REAR LOT
			TOTAL RETAIL/MMO=	101	55	
STREET PARKING				0	12	
		OVERALL SCHOOL STREET SIDE TOTALS:		137	103	DEFICIT 34 SPACES***

NO.	DATE	DESCRIPTION	BY
2	1/2/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

PROPOSED SITE LAYOUT PLAN
EAST STREET SIDE

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

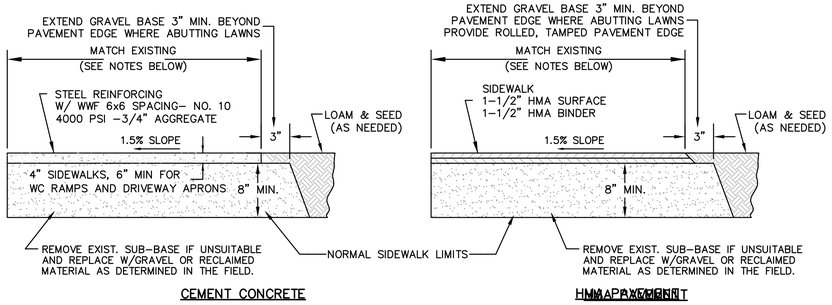
GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: 1"=20' DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753-DESIGN_SITES

DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

PLAN NO. C-7 OF 14



CEMENT CONCRETE

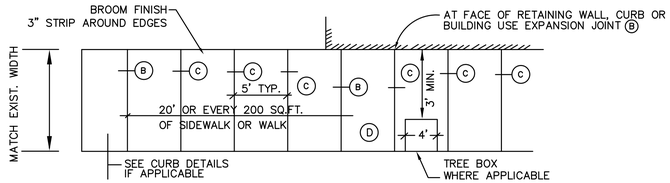
HMA PAVEMENT

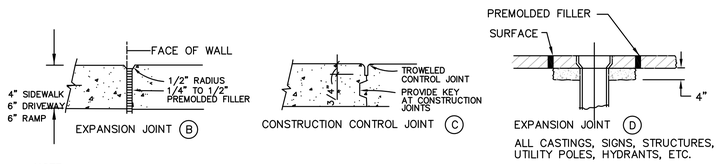
NOTES:

1. GRAVEL IN AREAS OF EXISTING SIDEWALKS WHICH ARE BEING REMOVED OR REPLACED IN THE SAME LOCATION SHALL BE REGRADED AND SUPPLEMENTAL GRAVEL ADDED. ADDITIONAL GRAVEL REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE.
2. EXCAVATION AND PLACEMENT OF GRAVEL REQUIRED FOR NEW SIDEWALKS, WIDENING SIDEWALKS AND PAVED AREA SHALL BE INCLUDED IN THE CONTRACT PRICE. DISPOSAL OF THE EXCAVATED MATERIAL SHALL ALSO BE INCLUDED IN THE CONTRACT PRICE.
3. REMOVAL OF STUMPS AND CUTTING AND DISPOSAL OF ROOTS SHALL BE INCLUDED IN THE CONTRACT COST TO CONSTRUCT WALKWAYS.
4. PROVIDE JOINT SEALANT WHERE PAVING ABUTS CURBING, WALLS, STEPS, CASTINGS, ETC.

SIDEWALK DETAIL

N.T.S.



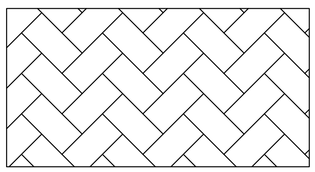


NOTE:

1. EXPANSION JOINT PREMOLDED FILLER SHALL BE 1/4" TO 1/2" THICK AND CUT TO APPROPRIATE HEIGHT SO FIELD CUTTING IS NOT REQUIRED.
2. SELF–LEVELING SILICONE JOINT SEALANT SHALL BE PLACED AT EXPANSION JOINTS OVER PREMOLDED FILLER.

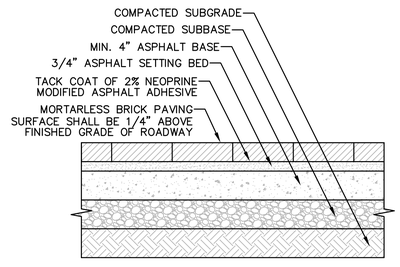
TYPICAL CEMENT CONCRETE SIDEWALK PLAN

N.T.S.



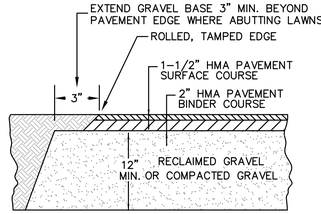
DECORATIVE CROSSWALK BRICK PAVING PATTERN – HERRINGBONE

NOT TO SCALE



DECORATIVE CROSSWALK PAVING DETAIL

NOT TO SCALE
NOTE: SEE SPECIFICATIONS

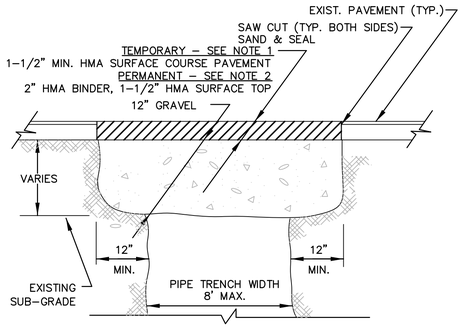


NOTES:

1. PRIOR TO COMPLETING FINAL GRADING OF THE RECLAIMED BASE COURSE THE ENGINEER SHALL REVIEW GRADES TO DETERMINE THAT SUFFICIENT DRAINAGE PATTERNS AND CURB REVEAL ARE MAINTAINED. IF GRADES NEED TO BE ADJUSTED, THE CONTRACTOR SHALL REGRADE AS DIRECTED. THE COST TO PERFORM THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE.
2. PROVIDE JOINT SEALANT WHERE PAVING ABUTS CURBING, WALLS, STEPS, CASTINGS, ETC.

TYPICAL DRIVEWAY & PARKING PAVEMENT SECTION

N.T.S.

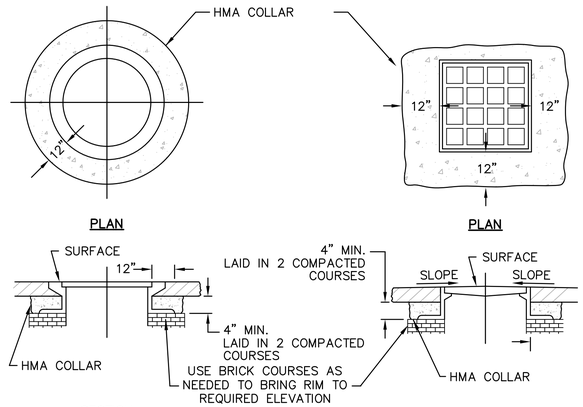


TRENCH DETAIL NOTES:

1. TEMPORARY TRENCH PAVEMENT: 1–1/2" TRENCH PAVEMENT TO BE USED AT THE DISCRETION OF THE ENGINEER TO STABILIZE TRENCHES AS NEEDED THIS WORK SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE.
2. PERMANENT TRENCH PAVEMENT: PAVEMENT TO BE PLACED IN TWO LIFTS – 2" BINDER COURSE AND 1–1/2" SURFACE TOP COURSE. PERMANENT TRENCH PAVEMENT TO BE IMPLEMENTED IN ALL PAVED AREAS NOT BEING RECLAIMED PER THIS CONTRACT. PERMANENT TRENCH SHALL BE PLACED AFTER 60 DAYS OF SETTLEMENT.
3. ALL TEMPORARY AND PERMANENT TRENCHES IN EXISTING PAVEMENT ARE TO BE SAW CUT WHERE THE PROPOSED PAVEMENT SHALL MEET TO ALLOW A SMOOTH TRANSITION AFTER PAVING. NO OTHER METHOD OF CUTTING IS ACCEPTABLE. ALL JOINTS SHALL BE SANDED AND SEALED.
4. TRENCHES WILL BE JETTED OR MECHANICALLY COMPACTED AS DETERMINED BY THE ENGINEER. ALL TRENCHES WILL BE COMPACTED TO 95% COMPACTION.
5. THE CONTRACTOR SHALL REMOVE AND REPLACE OR SUPPORT UTILITY POLES WITHIN 10 FEET OF THE PROPOSED UTILITY PIPE CENTERLINE OR AS DIRECTED BY THE ENGINEER.
6. THE CONTRACTOR SHALL BRACE AND SUPPORT ALL UTILITIES CROSSED OR ADJACENT TO THE UTILITY CONSTRUCTION AS NECESSARY.
7. THE CONTRACTOR SHALL PAVE AND REPAIR ALL CURBING, SIDEWALKS, PARKING, FENCES AND ROADS DISTURBED DURING CONSTRUCTION.
8. THE CONTRACTOR WILL REMOVE AND REPLACE ALL PAVEMENT DAMAGED DURING THE INSTALLATION OF THE PROPOSED UTILITY.
9. THE CONTRACTOR SHALL RESTRIPE THE PAVEMENT MARKINGS AS NECESSARY.
10. THE CONTRACTOR SHALL LOAM AND SEED ALL DISTURBED AREAS.

TRENCH PAVEMENT DETAIL (TEMPORARY AND PERMANENT)

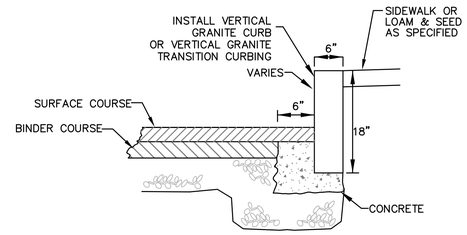
N.T.S.



WATER SERVICE BOXES

DETAILS FOR RAISING CASTINGS

N.T.S.



VERTICAL GRANITE CURB

N.T.S.

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

COMMONWEALTH OF MASSACHUSETTS MICHAEL J. CARTER CIVIL No. 35907 REGISTERED PROFESSIONAL ENGINEER

2/1/18

DETAIL SHEET I

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

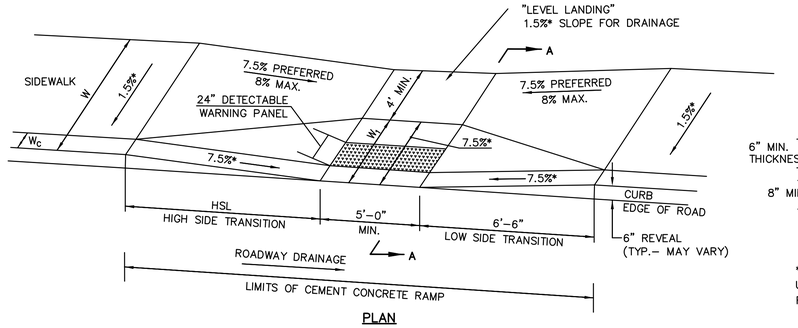
GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: N.T.S. DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753–COVER_DETAILS

DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

PLAN NO. C–8 OF 14



PLAN

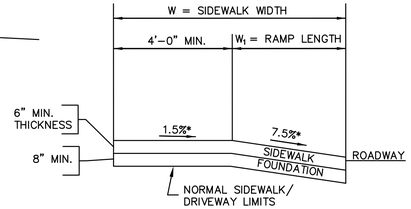
DETAIL NOTES:

1. ALL HANDICAP RAMPS SHALL BE PORTLAND CEMENT CONCRETE 6" THICK.
2. CURBING FOR ALL CONCRETE RAMPS SHALL BE VERTICAL GRANITE CURB.
3. THE DIMENSIONS SHOWN AT ROADWAY EDGE ARE FIXED DISTANCES.
4. RAMP CROSS SECTION TO BE SAME AS ADJACENT SIDEWALK; e.g DEPTH OF SURFACES.
5. PORTLAND CEMENT CONCRETE RAMPS ARE TO BE TEXTURED BY BROOMING IN A DIRECTION PARALLEL TO THE LENGTH OF THE RAMP.
6. THESE DIMENSIONS ARE SUBJECT TO CHANGE IN THE FIELD IF EXISTING APPURTENANCES OR CONDITIONS WILL MAKE THE RAMP LOCATIONS IMPRACTICAL OR UNSAFE.

ROADWAY PROFILE GRADE %	*HIGH SIDE TRANSITION LENGTH
0	6'-6"
> 0 – 1	7'-8"
> 1 – 2	9'-0"
> 2 – 3	11'-0"
> 3 – 4	14'-0"
> 4	15'-0" MAX.

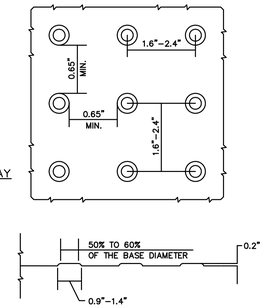
* BASED ON DESIGN SLOPE = 7.5% AND A CURB REVEAL OF 6".

CURB TRANSITION LENGTH
FOR WHEELCHAIR RAMPS



* = TOLERANCE FOR CONSTRUCTION ±0.5%
USEABLE SIDEWALK WIDTH PER ABB = W–W_c
RAMP LENGTH, W_t = W – (4'–0") MIN.

SECTION A–A



STAMPED CONCRETE
DETECTABLE WARNING PANEL

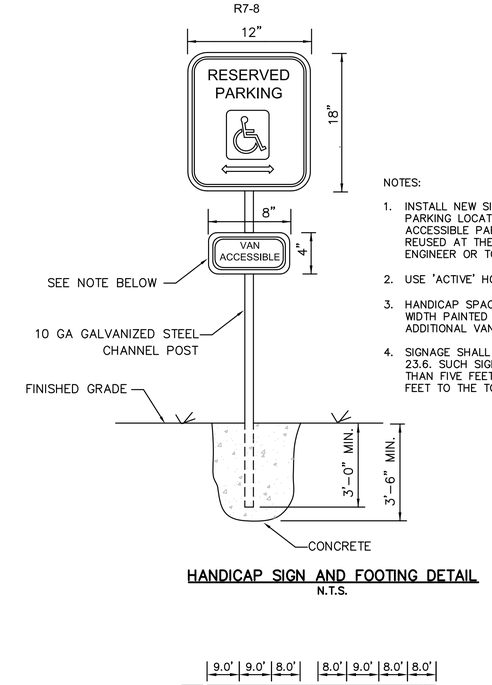
N.T.S.

WHEELCHAIR RAMP NOTES

1. ROADWAY SIDEWALK CROSS SLOPES, FOR BRICK, CEMENT CONCRETE, AND HMA, AS INDICATED IN THE STANDARD SPECIFICATIONS, WILL BE 1.5%. A CONSTRUCTION TOLERANCE OF ±0.5% IS ACCEPTABLE ON ROADWAY SIDEWALKS. IN ACCORDANCE WITH 521 CMR THE RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD (AAB), THE SIDEWALK CROSS SLOPE CANNOT EXCEED 2.0%.
2. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 3'–3" SHALL BE MAINTAINED PAST ALL OBSTRUCTIONS (UTILITY POLES, SIGNS, SIGNAL FOUNDATIONS AND MASTS, MAILBOXES, ALONG DRIVE OPENINGS, ETC.).
3. THE WHEELCHAIR RAMP SLOPES AND SIDE SLOPES (TRANSITIONS) WILL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF ±0.5%. HOWEVER, THESE SLOPES MAY BE FLATTER WHEN WARRANTED BY SURROUNDING CONDITIONS.
4. IF THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 15'.
5. IN NO CASE WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED ON THE TRAFFIC APPROACH SIDE OF THAT STOP LINE.
6. FIXED OBJECTS (I.E. UTILITY POLES, HYDRANTS, SIGNS, SIGNAL FOUNDATIONS, ETC.) MUST NOT ENCROACH UPON ANY PART OF THE WHEELCHAIR RAMP INCLUDING TRANSITION SLOPES.
7. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE THE CROSSWALK OR PEDESTRIAN TRAVEL PATH. THE WHEELCHAIR RAMP ENTRANCE IS TO BE CENTERED IN THE CROSSWALK OR PEDESTRIAN TRAVEL PATH WHENEVER POSSIBLE.
8. CATCH BASINS WHICH ARE IN THE VICINITY OF A WHEELCHAIR RAMP SHALL BE LOCATED UPGRADE OF THE RAMP ENTRANCE.
9. THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
10. TESTING SURFACE: WHEN TESTING WITH A STRAIGHTEDGE PLACED PARALLEL TO THE LINE OF THE SLOPE THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF 1/4".
11. SIDEWALK CONSTRUCTION SHALL BE IN CONFORMANCE WITH MASS HIGHWAY CONSTRUCTION STANDARDS FOR WHEELCHAIR RAMPS.

TYPICAL WHEELCHAIR RAMP CONDITION

N.T.S.

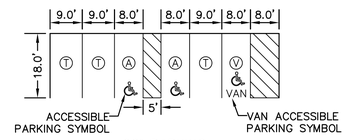


HANDICAP SIGN AND FOOTING DETAIL

N.T.S.

NOTES:

1. INSTALL NEW SIGNS AT HANDICAP PARKING LOCATIONS. EXISTING ACCESSIBLE PARKING SIGNS MAY BE REUSED AT THE DISCRESSION OF THE ENGINEER OR TOWN.
2. USE 'ACTIVE' HC SYMBOL.
3. HANDICAP SPACES ADJACENT TO 8' WIDTH PAINTED AISLES SHALL HAVE THE ADDITIONAL VAN ACCESSIBLE SIGN.
4. SIGNAGE SHALL COMPLY WITH 521 CMR 23.6. SUCH SIGN SHALL BE NO LESS THAN FIVE FEET NOR MORE THAN EIGHT FEET TO THE TOP OF THE SIGN.



90° PARKING

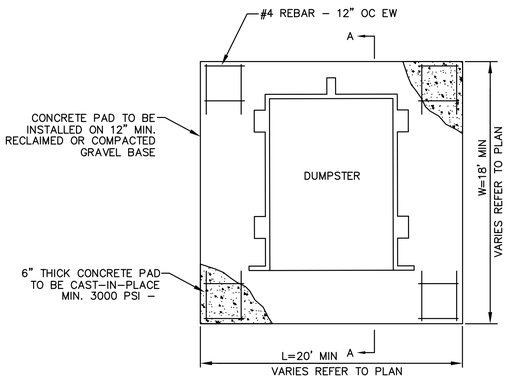
A – ACCESSIBLE PARKING SPACE
T – TYPICAL PARKING SPACE
V – VAN ACCESSIBLE PARKING SPACE

NOTES:
1. TYPICAL PARKING SPACE DIMENSIONS TO CORRESPOND WITH TOWN OF WESTWOOD, MASSACHUSETTS, PARKING DESIGN STANDARDS.

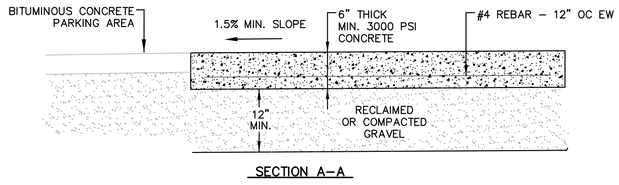
1. VAN ACCESSIBLE SPACES MUST HAVE AN 8' WIDE ACCESS AISLE.
2. ALL OTHER ACCESS AISLES SHALL BE 5' WIDE, MINIMUM.
3. TYPICAL PARKING STALLS SHALL BE 9' WIDE UNLESS NOTED ON THE PLANS.
4. ACCESSIBLE SPACES AND AISLES 2% MAX SLOPE IN ANY DIRECTION

TYPICAL LINE STRIPING DETAIL

NOT TO SCALE



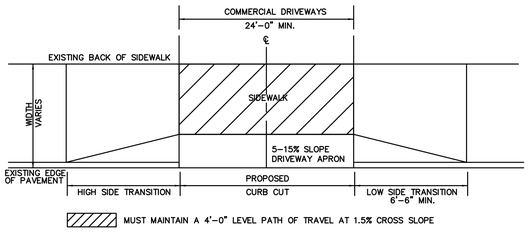
PLAN



SECTION A–A

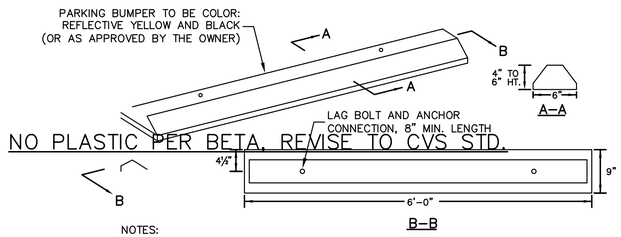
TYPICAL DUMPSTER PAD PAVING DETAIL

N.T.S.



TYPICAL CURB CUT PLAN – COMMERCIAL DRIVEWAYS
WITH SIDEWALK

N.T.S.



NOTES:
1. PARKING BUMPERS SHALL BE 6' RECYCLED RUBBER 'PARK IT PARKING CURB' AS MANUFACTURED BY GNR TECHNOLOGIES, OR APPROVED EQUAL.
2. PARKING BUMPER SHALL WEIGH A MINIMUM OF 34 LBS PER EACH
3. PARKING BUMPER SHALL BE REMOVABLE.

REMOVABLE PLASTIC PARKING BUMPER DETAIL

N.T.S.

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

COMMONWEALTH OF MASSACHUSETTS
MICHAEL J. CARTER
CIVIL
No. 35907
REGISTERED PROFESSIONAL ENGINEER
2/1/18

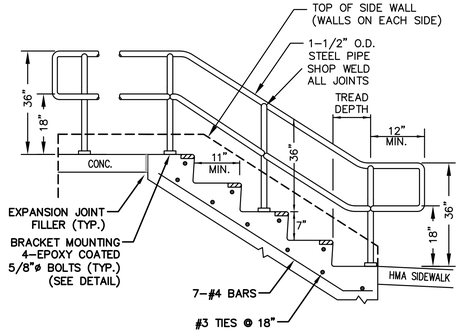
DETAIL SHEET II

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: N.T.S. DATE: DECEMBER 12, 2017

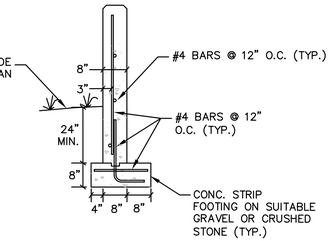
JOB NO.\FILE NAME: 1753–COVER_DETAILS
DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.
PLAN NO. C–9 OF 14



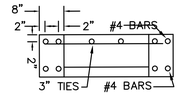
NOTES:

1. RAILINGS SHALL BE FABRICATED IN SHOP PRIOR TO SITE DELIVERY. RAILING SHALL BE SEAMLESS PIPE, GALVANIZED, PRIMED AND PAINTED IN SHOP PRIOR TO ARRIVAL AT SITE (FIELD PAINTING SHALL BE TOUCH UP ONLY).
2. COLOR TO BE DETERMINED BY OWNER.
3. FIELD MEASURE AND SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION.
4. HANDRAILS SHALL EXTEND AT LEAST 12" BEYOND THE TOP RISER AND AT LEAST 12" PLUS THE WIDTH OF ON TREAD BEYOND THE BOTTOM RISER.
5. PROVIDE 12" EXTENSION EXCEPT WHERE THE EXTENSION WILL ENCROACH ON CITY SIDEWALKS OR WHERE SPACE DOES NOT PERMIT.

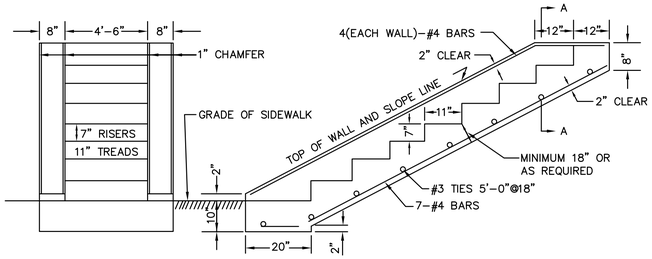
GALVANIZED STEEL PIPE STAIR HAND RAIL
N.T.S.



SECTION OF STAIR SIDEWALL FOOTING
N.T.S.



SECTION A-A



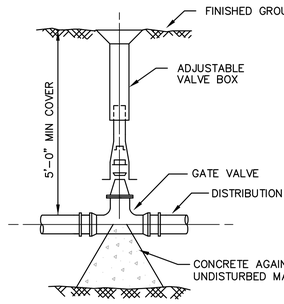
FRONT VIEW

SIDE VIEW

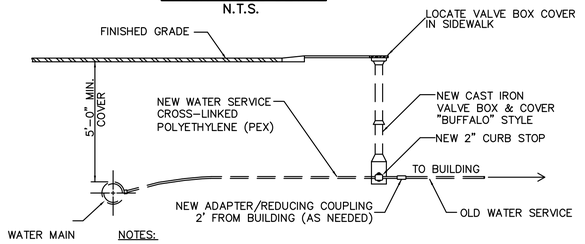
NOTES:

1. CONTRACTOR SHALL FILL AND GRADE AS NECESSARY AT ALL STAIR LOCATIONS.

CAST-IN-PLACE SITE STEPS
N.T.S.



WATER VALVE DETAIL
N.T.S.



NOTES:

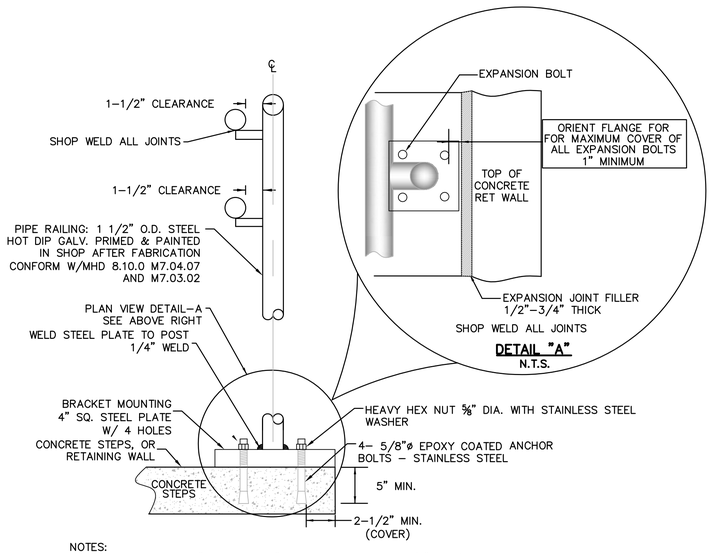
1. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHICH WATER SERVICES ARE LEAD AND IRON PIPE.
2. ALL REPLACEMENT WATER SERVICES SHALL BE LIKE SIZE TO EXISTING.
3. ALL LEAD/IRON SERVICES ARE TO BE REMOVED AND REPLACED.

WATER SERVICE CONNECTION
N.T.S.

GENERAL WATER NOTES

1.) ALL MATERIALS FOR WATER SYSTEM SHALL CONFORM TO THE DEDHAM WESTWOOD WATER DEPARTMENT REQUIREMENTS.

2.) ALL NEW CORPORATION COCKS, CURB STOPS AND COPPER TUBING FOR EACH NEW SERVICE SHALL BE 2-INCH IN SIZE UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.

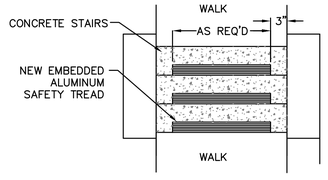


DETAIL "A"
N.T.S.

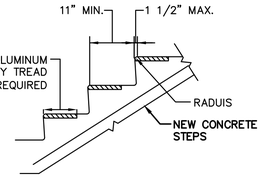
NOTES:

1.) BOLTS SHALL BE "KWIK BOLT 3" STAINLESS STEEL. 5 1/2" LONG WITH A MINIMUM 3 1/2" EMBEDMENT INTO CONCRETE. FOUR (4) ON EACH FLANGE.
2.) FIELD MEASURE AND SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION.

CONTINUOUS METAL HANDRAIL
N.T.S.



PLAN

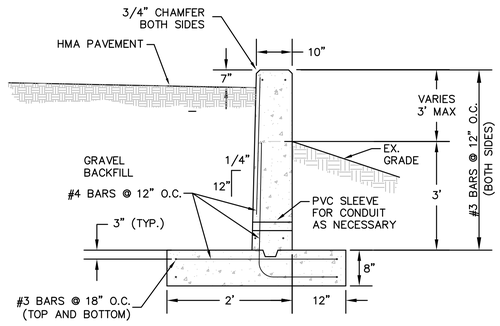


SECTION

NOTES:

1. NEW SAFETY TREAD EMBEDDED IN CAST-IN-PLACE CONCRETE STEPS.
2. SAFETY TREADS TO BE PLACED ON ALL NEW BUILDING AND SITE STEPS.

STAIR NOSING & STEP SAFETY TREADS
N.T.S.



NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. REINFORCEMENT ASTM A-615 GRADE 60, 2" MIN COVER.

CAST-IN-PLACE RETAINING WALL
N.T.S.

GENERAL NOTES FOR CAST-IN-PLACE CONCRETE STEPS

1. THE STEPS TO BE REPLACED SHALL BE 4000 PSI CONCRETE, WITH #4 AT 12" EACH WAY.
2. THE CONCRETE SHALL BE 15" THICK AT RAILING POST LOCATIONS.
3. 6" OF COMPACTED GRAVEL BASE SHALL BE PLACED UNDER ALL CONCRETE POURS.
4. STEPS AND LANDINGS SHALL RECEIVE A BRUSHED FINISHED THAT PROVIDES A DURABLE NONSLIP SURFACE.
5. THE CONTRACTOR IS RESPONSIBLE FOR PATCHING EXISTING AREAS IMPACTED BY THE CONSTRUCTION.

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.

COMMONWEALTH OF MASSACHUSETTS
MICHAEL J. CARTER
CIVIL
No. 35907
REGISTERED PROFESSIONAL ENGINEER
2/1/18

DETAIL SHEET III

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

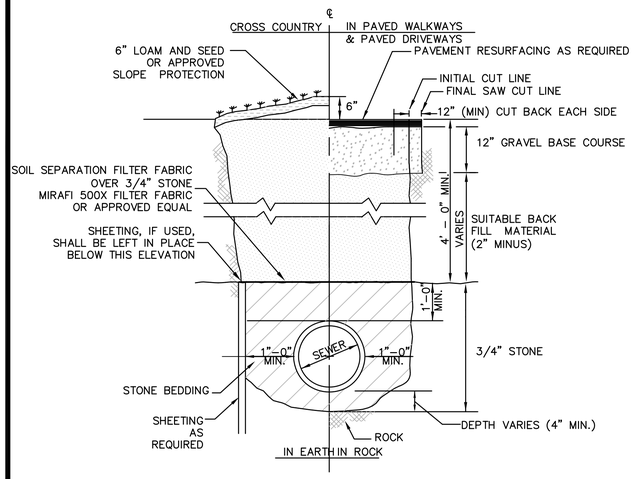
GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: N.T.S. DATE: DECEMBER 12, 2017

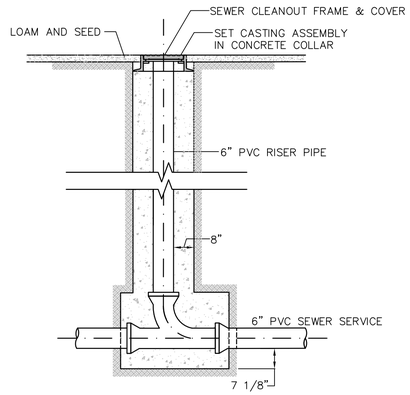
JOB NO.\FILE NAME: 1753-COVER_DETAILS

DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

PLAN NO. C-10 OF 14

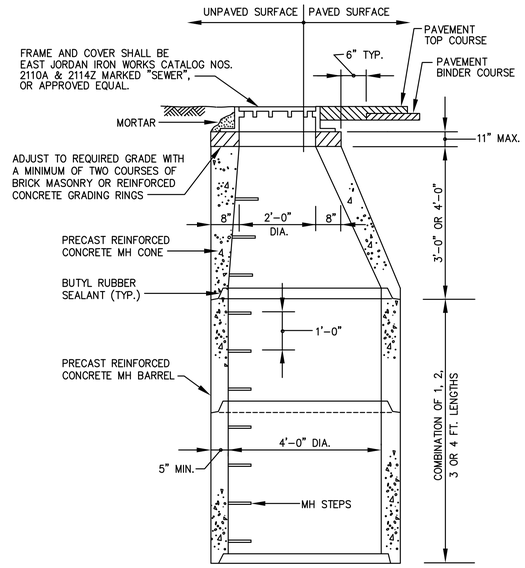


SEWER TRENCH DETAIL
N.T.S.



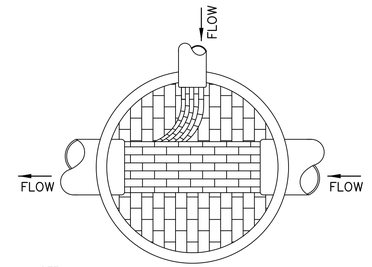
1. CLEANOUT TOP SHALL BE ENCLOSED IN CASTING AND/OR FABRICATED COVER ASSEMBLY.

SEWER CLEANOUT DETAIL
N.T.S.



NOTE:
ALL EXTERIOR SURFACES OF MANHOLE GRADE ADJUSTMENT COURSES SHALL BE COVERED WITH 1/4" TO 3/8" MASONRY CEMENT PLASTER.

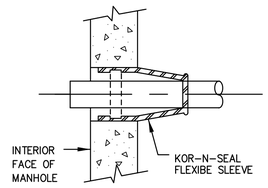
SEWER MANHOLE DETAIL
N.T.S.



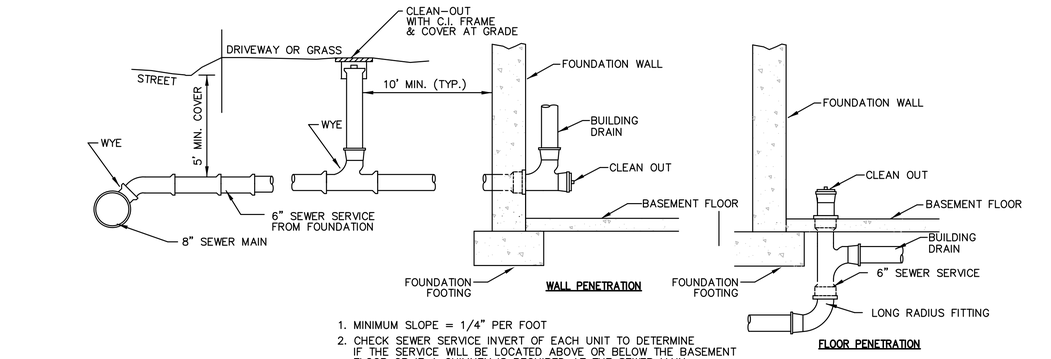
NOTE:
1. CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT. INVERT BRICKS SHALL BE LAID ON EDGE.
2. INVERT AND SHELF TO BE PLACED AFTER VACUUM TEST.

SECTION B-B

SEWER MANHOLE PLAN
NOT TO SCALE

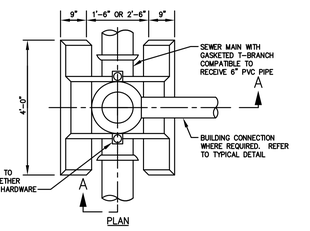


PIPE CONNECTION DETAIL
N.T.S.



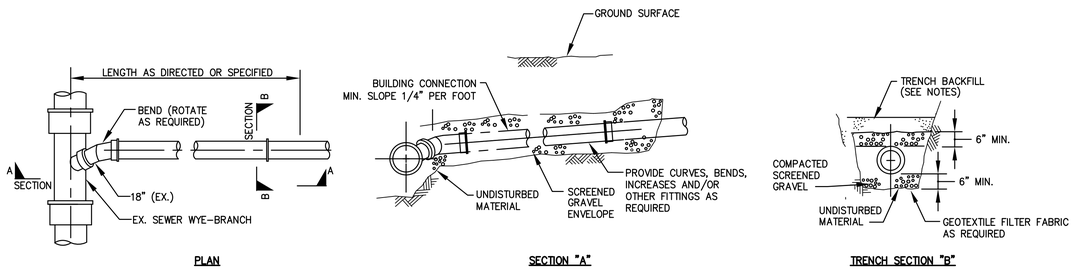
1. MINIMUM SLOPE = 1/4" PER FOOT
2. CHECK SEWER SERVICE INVERT OF EACH UNIT TO DETERMINE IF THE SERVICE WILL BE LOCATED ABOVE OR BELOW THE BASEMENT FLOOR OR IF A CHIMNEY IS REQUIRED AT THE SEWER MAIN.

TYPICAL SEWER SERVICE
N.T.S.



* CHIMNEYS ARE REQUIRED FOR DROPS 3' OR GREATER

PRECAST REINFORCED CONCRETE SEWER CHIMNEY
N.T.S.



PLAN — SECTION "A" — TRENCH SECTION "B"

NOTES:

1. TRENCH BACKFILL TO BE USED WITHIN THE RIGHT-OF-WAY SHALL CONSIST OF EITHER GRAVEL BORROW MEETING MHD SPECIFICATION M1.03.0, TYPE "B" OR PROCESSED GRAVEL BORROW FOR SUBBASE MEETING MHD SPECIFICATION M1.03.1.
2. WHERE THE REMOVAL OF 100 SQUARE FEET OR LESS OF ASPHALT IS REQUIRED WITHIN THE RIGHT OF WAY, THEN THE TRENCH BACKFILL MATERIAL SHALL CONSIST OF CONTROLLED DENSITY FILL MEETING MHD SPECIFICATION M4.08.0, TYPE "1E" OR "2E".
3. TRENCH BACKFILL MATERIAL TO BE USED OUTSIDE OF THE RIGHT-OF-WAY MAY CONSIST OF MATERIAL GENERATED DURING EXCAVATIONS PROVIDED ALL STONES GREATER THAN 4" ARE REMOVED PRIOR TO PLACEMENT AND COMPACTION.
4. GRANULAR TRENCH BACKFILL MATERIAL USED WITHIN THE RIGHT-OF-WAY SHALL BE PLACED IN MAXIMUM 6" LIFTS AND MECHANICALLY COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY AND TO 90% ELSEWHERE AS DETERMINED BY ASTM D 1557.

SEWER SERVICE DETAIL
N.T.S.

GENERAL SEWER NOTES

1.) ALL MATERIALS FOR SEWER SHALL CONFORM TO THE TOWN OF WESTWOOD SEWER DEPARTMENT REQUIREMENTS.

2.) PROPOSED SEWER SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE EXACT LOCATION OF EACH SEWER SERVICE WILL BE DETERMINED BY THE ENGINEER AFTER TEST PITS ARE COMPLETED.

3.) THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE LOCATION OF THE EXISTING SEWER SERVICES AT FOR CONNECTION TO THE PROPOSED SEWER.

4.) ALL NEW GRAVITY SANITARY SEWER PIPE AND FITTINGS SHALL BE PVC PIPE, SDR-35 IN CONFORMANCE WITH ASTM D-3034.

5.) EXISTING SEWERS SHALL BE PIPED THROUGH MANHOLES WHERE APPROPRIATE WITH TWO FERNCO COUPLINGS..

6.) SEWER MANHOLES, SEWER PIPE AND ALL OTHER SEWER/SEPTIC/SESPOOL COMPONENTS IN THE LOCATION OF ABANDONED SEWER EASEMENT ON ASSESSOR'S PARCEL 23-162 AS WELL AS ANY OTHER ABANDONED SEWER PIPE ON LOCUS PARCELS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.

COMMONWEALTH OF MASSACHUSETTS — MICHAEL J. CARTER — CIVIL — No. 35907 — REGISTERED PROFESSIONAL ENGINEER
2/1/18

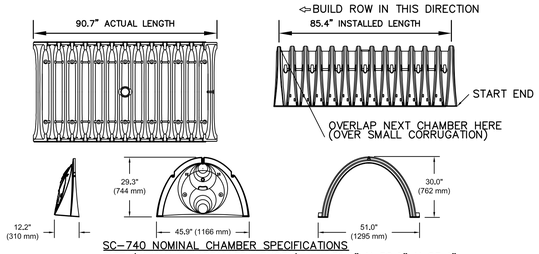
DETAIL SHEET IV

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: AS NOTED DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753-COVER_DETAILS
DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.
PLAN NO. C-11 OF 14



SC-740 NOMINAL CHAMBER SPECIFICATIONS

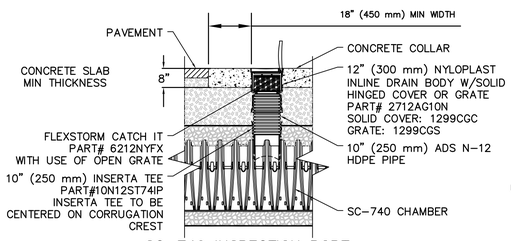
SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"
CHAMBER STORAGE	45.9 CUBIC FEET
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET

*ASSUMES 6" STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

STORMTECH SC-740

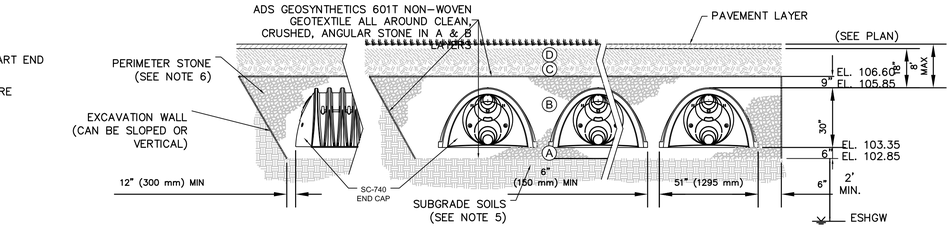
STORMTECH SC-740 INFILTRATION CHAMBERS

NTS



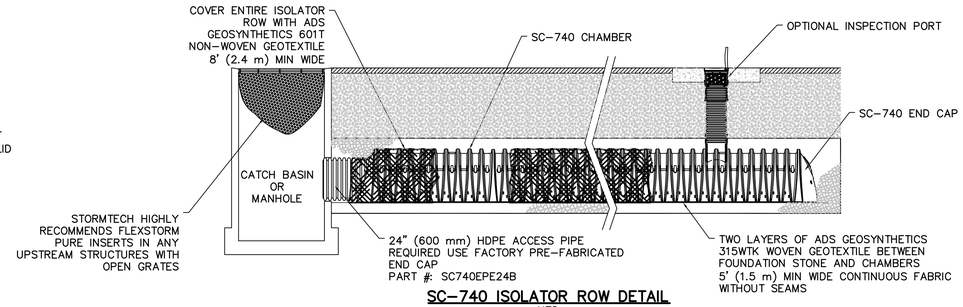
SC-740 INSPECTION PORT DETAIL

NTS



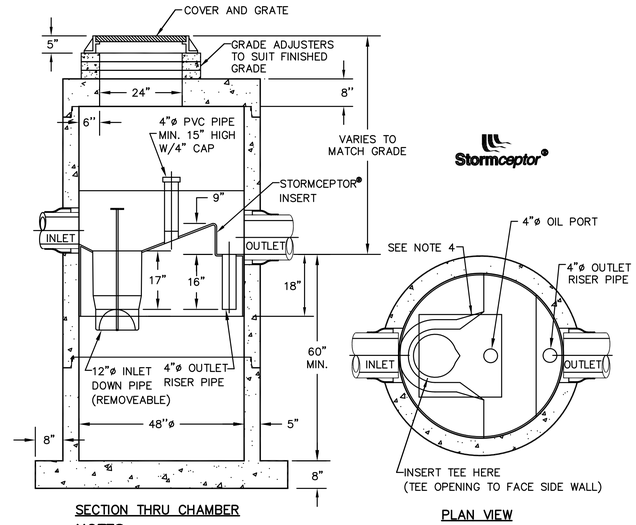
STORMTECH SC-740 (INFILTRATION BED) TYPICAL CROSS SECTION

N.T.S.



SC-740 ISOLATOR ROW DETAIL

NTS



SECTION THRU CHAMBER

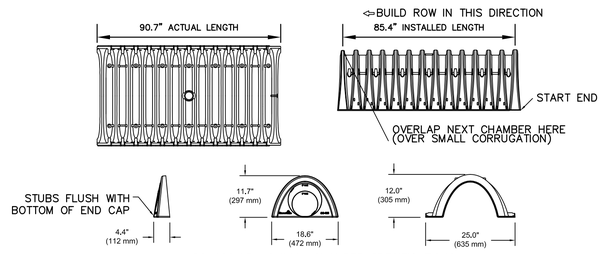
PLAN VIEW

NOTES:

1. STC 450I PRECASST CONCRETE STORMCEPTOR
2. 450 u.S. GALLON CAPACITY
3. THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
4. THE COVER SHOULD BE POSITIONED OVER THE INLET DROP PIPE AND THE OIL PORT.
5. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
6. CONTACT A CONCRETE PIPE DIVISION REPRESENTATIVE FOR FURTHER DETAILS NOT LISTED ON THIS DRAWING.

WATER QUALITY STRUCTURE DETAIL

N.T.S.



SC-160 LP NOMINAL CHAMBER SPECIFICATIONS

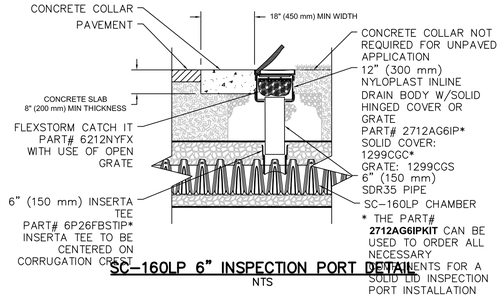
SIZE (W X H X INSTALLED LENGTH)	25.0" X 12.0" X 85.4"
CHAMBER STORAGE	6.85 CUBIC FEET
MINIMUM INSTALLED STORAGE*	16.0 CUBIC FEET

*ASSUMES 6" STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

STORMTECH SC-160

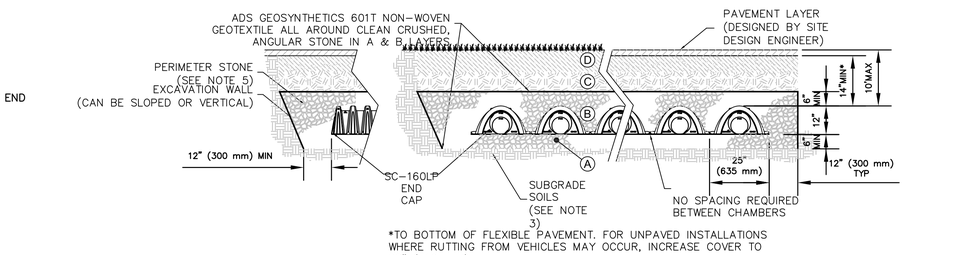
STORMTECH SC-160LP INFILTRATION CHAMBERS

NTS

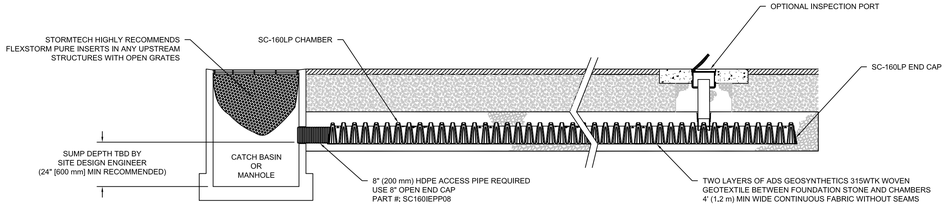


SC-160LP 6" INSPECTION PORT DETAIL

NTS



*TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 20" (510 mm).



SC-160LP ISOLATOR ROW DETAIL

NTS

SC-740 CHAMBER NOTES:

1. SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN OF THE STORMTECH CHAMBERS FOR THIS PROJECT.
5. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
6. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
7. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

SC-160LP CHAMBER NOTES:

1. SC-160LP CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
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NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

COMMONWEALTH OF MASSACHUSETTS
MICHAEL J. CARTER
CIVIL
No. 35907
REGISTERED PROFESSIONAL ENGINEER
2/1/18

DETAIL SHEET V

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: AS NOTED DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753-COVER_DETAILS

DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

PLAN NO. C-12 OF 14

EROSION AND SEDIMENT CONTROL MAINTENANCE

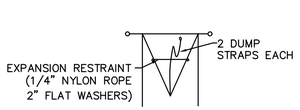
DURING CONSTRUCTION, AS SMALL AN AREA OF SOIL AS POSSIBLE SHOULD BE EXPOSED OR AS SHORT A TIME AS POSSIBLE. AFTER CONSTRUCTION, GRADE, RESPREAD TOPSOIL, AND STABILIZE SOIL BY SEEDING AND MULCHING AS TO PREVENT EROSION.

ALL SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE INSPECTED DURING CONSTRUCTION ON A DAILY BASIS AND FOLLOWING ALL STORMS BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN AND MAKE REPAIRS AND REMOVE SEDIMENT AS REQUESTED BY THE RESIDENT ENGINEER. THIS WORK SHALL BE PERFORMED WITHIN 24 HOURS OF REQUEST.

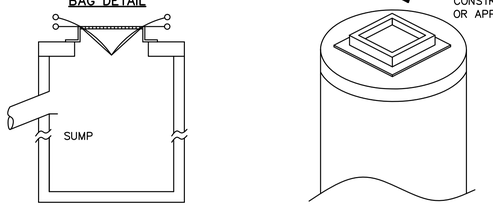
THE CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS FORM ALL DRAINAGE STRUCTURES, AND PIPES AT THE COMPLETION ON CONSTRUCTION, THE CONTRACTOR SHALL REPAIR ALL ERODED AREAS AND ENSURE A GOOD STAND OF TURF IS ESTABLISHED THROUGHOUT. THE CONTRACTOR SHALL REPAIR ALL ERODED OR DISPLACED RIPRAP, AND CLEAN SEDIMENT COVERED STONES.

TRENCHES WITHIN PAVED ROADWAY TO BE CLOSED WITH 3" TEMPORARY PAVEMENT AT THE END OF EACH WORK DAY.

CONTRACTOR TO PERFORM STREET SWEEPING AT THE END OF EACH WORK DAY.



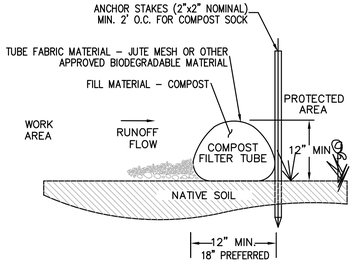
BAG DETAIL



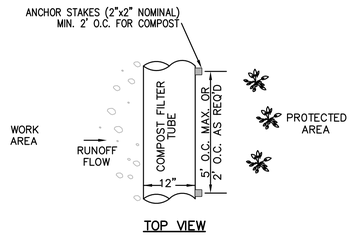
INSTALLATION DETAIL

1. SILT SACKS SHALL BE INSTALLED IN ALL CATCH BASINS DURING CONSTRUCTION PERIOD.
2. INSPECTION SHALL BE WEEKLY AND REPAIR/REPLACEMENT MADE PROMPTLY AS NEEDED.
3. SILT SACKS SHALL BE KEPT CLEAN AND FREE OF DEBRIS.

SILTSACK DETAIL
N.T.S.



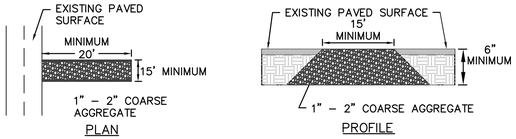
END VIEW



TOP VIEW

NOTES:
1. TUBES MAY BE FILLED ON SITE OR SHIPPED.
2. ENSURE PROPER LOCATION AT SITE FOR EFFECTIVENESS.
3. TUBES SHALL BE PLACED AND STAKED IN PLACE AS REQUIRED TO ENSURE STABILITY AGAINST WATER FLOWS.
4. TUBES FILLED WITH LIGHT MATERIAL SHALL BE STAKED AT A MAXIMUM OF 2 FEET ON CENTER. FOR HEAVIER MATERIAL, 5 FEET ON CENTER.
5. TUBES SHALL BE TAMPED TO ENSURE GOOD CONTACT WITH SOIL.
6. INSPECT AFTER EACH RAINFALL OR DAILY DURING RAINFALL EVENTS. CORRECT ALL DEFICIENCIES IMMEDIATELY.
7. FAILURE INCLUDES BUT IS NOT LIMITED TO WASHOUT, OVERTOPPING, CLOGGING, AND EROSION. IF OVERTOPPING OR WASHOUT OCCURS, NEW FILTER TUBES WITH ADDITIONAL STAKING OR STRAW MATERIAL SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER.
8. FILTER TUBES SHALL BE REMOVED ONCE SITE WORK IS COMPLETE, SITE IS STABLE, ADEQUATE GROWTH HAS BEEN ESTABLISHED AND AS DIRECTED BY THE ENGINEER. TUBE FABRIC SHALL BE CUT, REMOVED AND DISPOSED OF OFF–SITE BY THE CONTRACTOR AT NO ADDITIONAL COST.

COMPOST SOCK FILTER TUBE DETAIL
N.T.S.



PLAN

PROFILE

1. THE STONE USED FOR CONSTRUCTION ENTRANCE SHALL BE 1–2 INCH SIZED COARSE AGGREGATE.
2. THE AGGREGATE SHALL BE AT MINIMUM 6 INCHES THICK.
3. OCCASIONAL REMOVAL AND REINSTALLATION OF STONE WILL BE REQUIRED TO PREVENT TRACKING OF SEDIMENT ONTO PAVED ROADS.

CONSTRUCTION ENTRANCE
N.T.S.

EROSION & SEDIMENT CONTROL NOTES:

1. THE SUBSURFACE INFILTRATION SYSTEMS SHALL BE CONSTRUCTED UNDER CONDITIONS WHICH WILL PRECLUDE THE ENTRANCE OF PRODUCTS OF EROSION AND SHOULD BE BACKFILLED IMMEDIATELY AND THE AREA MADE EROSION RESISTANT.

2. BARRIERS SHALL BE PLACED TO PREVENT VEHICLES FROM DRIVING OVER THE SYSTEM UNTIL THE INFILTRATION AREA IS BUILT AND CONSTRUCTED TO FINAL GRADE TO REDUCE VEHICULAR IMPACT TO THE SYSTEM. TEMPORARY CONSTRUCTION FENCE SHALL BE INSTALLED IN LOCATION AS SHOWN ON THIS PLAN DURING CONSTRUCTION PERIOD. FENCE SHALL BE INSPECTED DAILY AND REPAIRED AS NEEDED DURING CONSTRUCTION PERIOD.

3. CONSTRUCTION PERIOD SILT SACKS SHALL BE USED AT ALL INSTALLED CATCH BASINS. SILT SACKS SHALL BE KEPT FREE OF SEDIMENT AND DEBRIS, INSPECTED WEEKLY AND REPAIRED PROMPTLY.

4. SEDIMENT AND EROSION CONTROL STRAW FILTER TUBES SHALL BE PLACED UPSTREAM OF PROPOSED INFILTRATION SYSTEM LOCATION AS SHOWN ON THIS PLAN DURING CONSTRUCTION PERIOD. EROSION CONTROLS SHALL BE INSPECTED DAILY FOR SEDIMENT BUILDUP, DAMAGED FILTER TUBES AND FOR EVIDENCE OF RUNOFF BY–PASS AND CLEANED OR REPAIRED IMMEDIATELY.

5. ALL SLOPES AND EXCAVATIONS SHALL BE STABILIZED DURING CONSTRUCTION USING JUTE NETTING AND EROSION CONTROL BLANKETS. INSPECT FOR PROPER GROUND CONTACT. REPLACE DETERIORATED BLANKETS AND ADD LOAM AND RE–SEED ERODED AREAS AND RE–STABLE OR PIN FABRIC MATERIAL AS NEEDED.

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

COMMONWEALTH OF MASSACHUSETTS
MICHAEL J. CARTER
CIVIL
No. 35907
REGISTERED PROFESSIONAL ENGINEER
2/1/18

DETAIL SHEET VI

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

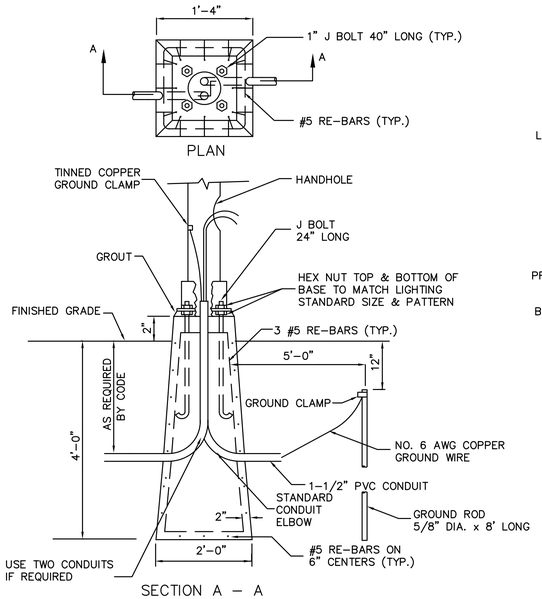
GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: AS NOTED DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753–COVER_DETAILS

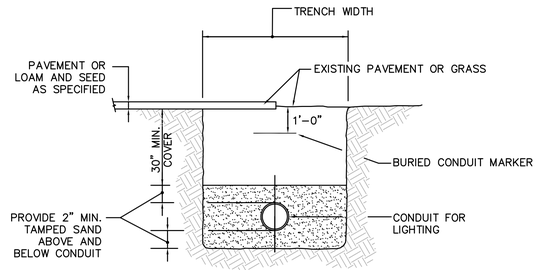
DESIGNED BY: S.B.H.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

PLAN NO. C–13 OF 14



NOTES:
1. THE LIGHTING FOUNDATION SHOWN IS FOR REFERENCE PURPOSES. THE ACTUAL LIGHT FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON FINAL POLE AND FIXTURE SELECTION AND GEOTECHNICAL SITE INVESTIGATION.
2. IF LEDGE IS ENCOUNTERED THE BASE SHALL BE ADJUSTED AND ANCHORED TO THE LEDGE.
3. THE CONTRACTOR MAY SUBSTITUTE A CAST IN PLACE BASE.

PRECAST LIGHTING FOUNDATION (BASE)
N.T.S.



NOTES:
1. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THE HOUSING AUTHORITY.

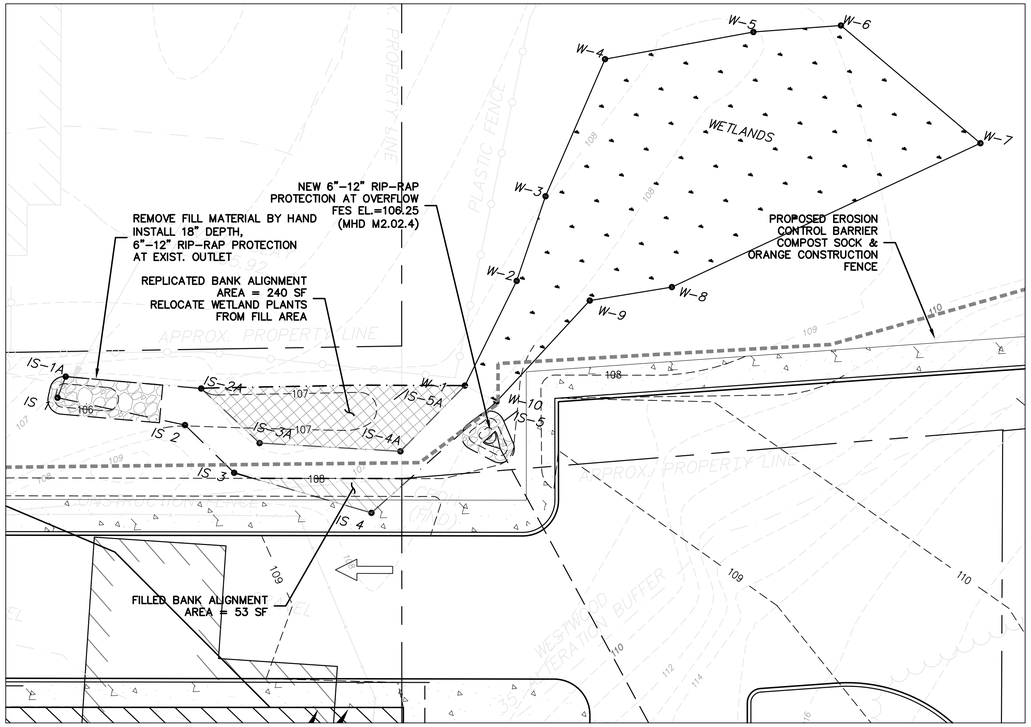
TYPICAL TRENCH DETAIL FOR TELEPHONE AND ELECTRICAL CONDUIT
N.T.S.

SITE LIGHTING SPECIFICATION:

SITE LIGHTING – LAMPS: RAB LIGHTING ALED26/PC
POLES: RAB LIGHTING PS4-11-15D2

STREET LIGHTING – (MATCH EXISTING TOWN OF WESTWOOD LIGHTS, POLES AND BASES)

NOTES:
1) ALL NEW AND RE-USED LIGHTING TO BE MOUNTED IN NEW PRECAST FOUNDATION PER DETAIL.
2) EXISTING LIGHTING FOUNDATION (BASE) TO BE DETACHED FROM POST AND REMOVED FROM GROUND LOCATION.



PLAN
SCALE: 1" = 10'

REPLICATION AREA NOTES:

1. REPLICATION OF WETLAND AREA IS LIMITED TO THE MONTHS OF APRIL THROUGH OCTOBER. WORK PERFORMED IN SEPTEMBER WILL REQUIRE SEEDING WITH ANNUAL GRASSES. WINTER RYE OR WINTER WHEAT FOR TEMPORARY STABILIZATION. (THESE MATERIALS WILL NOT READILY RESEED, BUT WILL RAPIDLY STABILIZE DISTURBED AREAS.) SOIL TEMPERATURES AT OR BELOW 42 DEGREES IS "BIOLOGICAL ZERO" WHERE NO ADDITIONAL GROWTH CAN BE EXPECTED. SEEDING MUST BE DONE PRIOR TO SOIL TEMPERATURES REACHING THIS LEVEL.
2. EXCAVATE, GRADE PLANT AND RESTORE REPLICATION AREA. ELEVATIONS TO BE INSPECTED BY THE DESIGNER OR OTHER QUALIFIED SOILS SCIENTIST OR WETLAND SPECIALIST.
3. PLACE NEW TOPSOIL IN REPLICATION AREA. THIS SHOULD BE SPREAD TO PROVIDE A COARSE MICROTOPOGRAPHY.
4. PLANT NEW SHRUBS IN WETLAND REPLICATION AREA.
5. APPLICATIONS OF ANNUAL GRASSES, INCLUDING WINTER RYE OR WINTER WHEAT SHOULD BE SPREAD OVER RESTORATION AREA ONLY IF THEY ARE NOT STABILIZED BY OCTOBER. IF GROWTH IS NOT ESTABLISHED, PLACE A LIGHT COVERING OF MULCH.
6. DISTURBED AREAS WITH SLOPES EXCEEDING 10 % ARE TO BE STABILIZED THROUGH HYDROSEED, MULCHING, JUTE NETTING OR SODDING AS SOON AS WEATHER PERMITS.
7. HYDROSEED MIX SHOULD CONSIST OF 50 % OR GREATER ANNUAL MIX TO SPEED VEGETATIVE GROWTH
8. LIGHT FERTILIZATION AND OR LIMING OF UPLAND AREAS WOULD HASTEN REVEGETATION AND IS RECOMMENDED. NO LIMING OR FERTILIZATION IS RECOMMENDED IN THE REPLICATION AREAS.
9. ADDITIONAL SPECIES SHALL BE INTRODUCED IF THE REPLICATION AREA IS NOT REVEGETATED WITHIN TWO GROWING SEASONS. RECOMMENDED AND ACCEPTABLE PLANTS WHICH MAY BE SUPPLEMENTED INCLUDE:

SHRUBS:

SWEET PEPPERBUSH	(CLETHRA ALNIFOLIA)	2 – 3'
WINTERBERRY	(ILEX VERTICILATTA)	2 – 3'

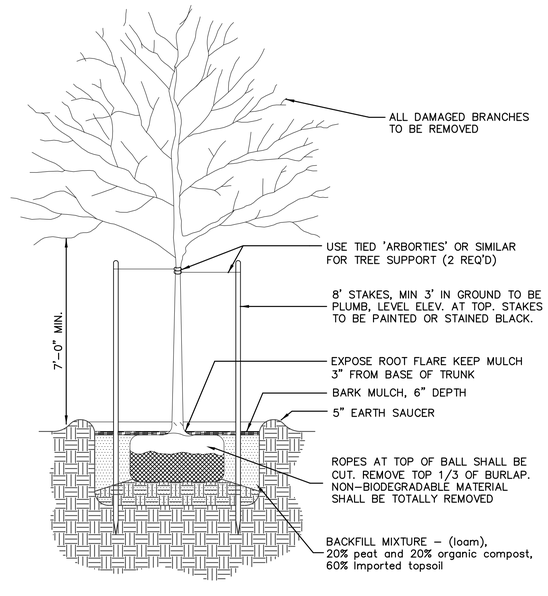
HERBACEOUS PLANTS:

SENSITIVE FERN	(ONOCLEA SENSIBILIS)	1' – 2'
JEWELWEED	(IMPATIENS CAPENSIS)	1' – 2'

GROUND COVER:
NEW ENGLAND WETMIX (OR EQUAL) 1245 FT/LB.

ALL SEED MIXES CAN BE PURCHASED FROM: NEW ENGLAND WETLAND PLANTS 413-548-8000

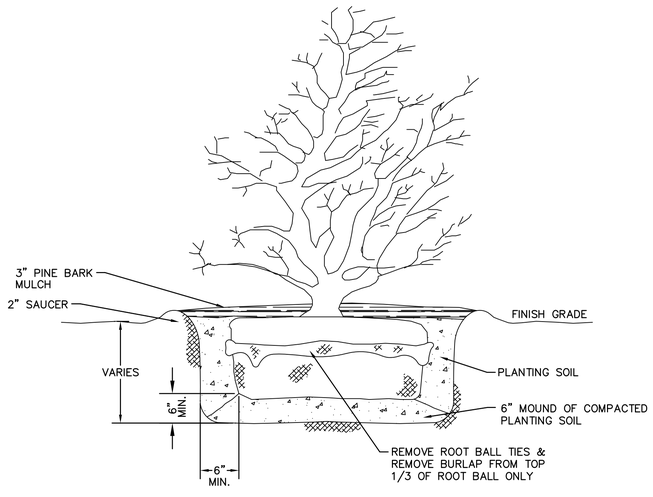
10. INVASIVE SPECIES SHALL BE REMOVED FROM WETLAND REPLICATION AREA. INVASIVE SPECIES PRESENT INCLUDE:
- BURNING BUSH
- ASIATIC BITTERSWEET
- MULTI-FLORA ROSE
- COMMON BUCKTHORN
- TARTARYAN HONEYSUCKLE
- NORWAY MAPLE



NOTES:
1.) TREE SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO PREVIOUS EXISTING GRADE.

2.) NEW TREES TO BE CAPITAL PEAR (PYRUS CALLERYANA), SINGLE STEM, 2-1/2" TO 3" CALIPER.

DECIDUOUS TREE PLANTING DETAIL
N.T.S.



TYPICAL SHRUB PLANTING
N.T.S.

NO.	DATE	DESCRIPTION	BY
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION – NOI	S.B.H.

COMMONWEALTH OF MASSACHUSETTS
MICHAEL J. CARTER
CIVIL
No. 35907
REGISTERED PROFESSIONAL ENGINEER
2/1/18

DETAIL SHEET VII

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: N.T.S. DATE: DECEMBER 12, 2017

JOB NO.\FILE NAME: 1753-COVER_DETAILS
DESIGNED BY: T.C.M.
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.
PLAN NO. C-14 OF 14