

ISLINGTON VILLAGE SITE PLANS

WASHINGTON, EAST AND SCHOOL STREETS

WESTWOOD, MASSACHUSETTS

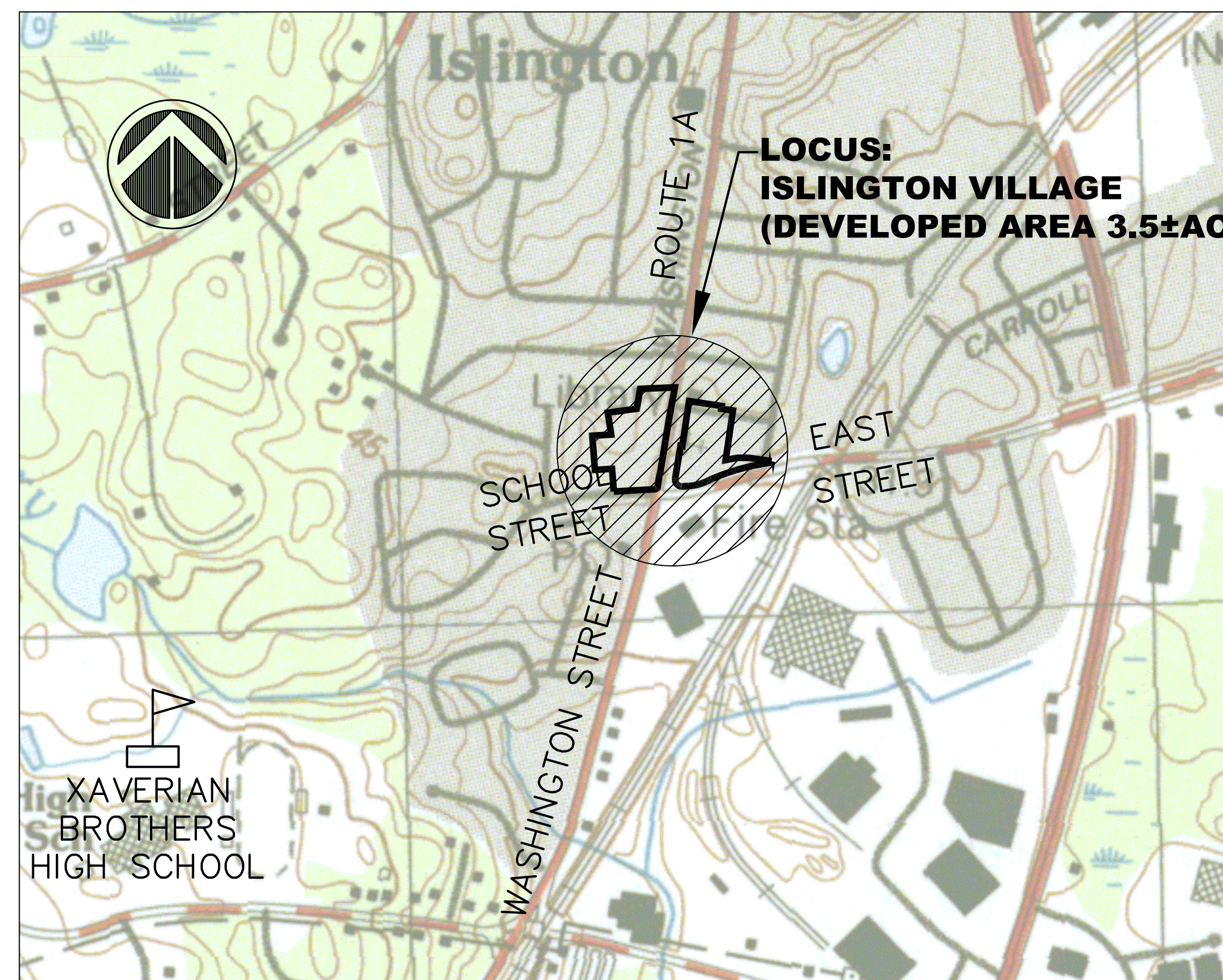
DECEMBER 12, 2017
 REVISION 8 - 4/25/18

APPLICANT

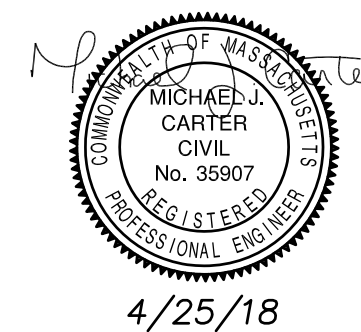
PETRUZZIELLO PROPERTIES, LLC
 c/o GIORGIO PETRUZZIELLO
 21 EASTBROOK ROAD
 DEDHAM, MA 02026

CIVIL ENGINEER

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



LOCUS PLAN
 SCALE : 1"=500'±



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GENERAL NOTES

- PLANS AND TOPOGRAPHIC INFORMATION ARE PREPARED FROM A GROUND SURVEY PERFORMED BY GCG ASSOCIATES, INC., OCTOBER & NOVEMBER 2017.
- ELEVATIONS REFER TO NAVD 88. LOCATIONS SHOWN REFERENCE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD MA83 MAINLAND.
- THE LOCUS PROPERTIES ARE NOT IN A FLOOD PLAIN AS SHOWN ON MAPS 25021C0177E AND 25021C0181E, EFFECTIVE DATE JULY 17, 2012.
- WETLAND DELINEATED BY WETLANDS & LAND MANAGEMENT INC. ON NOVEMBER 2, 2017. WETLAND FLAGS REVIEWED AND CONFIRMED BY WESTWOOD CONSERVATION COMMISSION, KARON CATRONE ON MARCH 21, 2018. WETLAND FLAGS LOCATED BY GCG ASSOCIATES.
- BUILDING LOCATIONS AS SHOWN ON ADJACENT PROPERTIES, ARE APPROXIMATE AND FOR REFERENCE PURPOSES ONLY.
- CONSTRUCTION PERFORMED DURING THIS PROJECT SHALL CONFORM TO THE MASSACHUSETTS HIGHWAY DEPARTMENT, STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- 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 DIG SAFE (811) A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY UTILITY LINE LOCATIONS AS NECESSARY.
- THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES NEAR UTILITY LOCATIONS WITH THE RESPECTIVE REPRESENTATIVE.
- 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.
- 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.
- 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.
- 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.
- 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.
- EXISTING UTILITIES INTERFERING WITH THE WORK SHALL BE RELOCATED AS DIRECTED IN THE FIELD BY THE ENGINEER, UNLESS OTHERWISE INDICATED OR SPECIFIED.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL STATE OR LOCAL BUILDING PERMITS THAT MAY BE REQUIRED.
- 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.
- THE CONTRACTOR SHALL MAINTAIN CONTINUOUS TRAFFIC FLOW DURING CONSTRUCTION SATISFACTORY TO THE ENGINEER AND THE TOWN OF WESTWOOD.
- 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.
- 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).
- 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.
- 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.
- 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.
- DURING CONSTRUCTION THE CONTRACTOR SHALL PROTECT ALL TREES AND ROOTS OF TREES TO REMAIN.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE RESTORATION AND CLEAN UP UPON COMPLETION OF THE PROJECT.

UTILITY MARKING AND LOCATION NOTES:

- 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.
- 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
- 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.

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

- RECONSTRUCTION OF SIDEWALKS SHALL BE IN ACCORDANCE WITH THE TYPICAL CROSS SECTION DETAILS.
- HMA PAVEMENT SIDEWALKS SHALL HAVE A MINIMUM 3" DEPTH CONSISTING OF A 1-1/2" BINDER COURSE AND A 1-1/2" SURFACE COURSE.
- CEMENT CONCRETE RAMPS SHALL BE A OF MINIMUM 4" DEEP. CEMENT CONCRETE RAMPS AND DRIVEWAY APRONS SHALL BE A MINIMUM OF 6" DEEP.
- CEMENT CONCRETE SIDEWALK SHALL BE A BROOM FINISH WITH 2" BORDER TO MATCH EXISTING.
- 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.
- 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.
- SIDEWALKS ADJACENT TO BUILDING ENTRANCES SHALL BE REGRADED TO DIRECT RUNOFF AWAY FROM BUILDING.
- 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.
- ANY STRUCTURES OR GATE BOXES IN SIDEWALKS SHALL BE RESET TO FINISHED GRADE AS PART OF THE CONTRACT.
- 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:

- 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.
- 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.
- 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.
- ALL CASTINGS, GATE BOXES, ETC. DAMAGED DURING RECONSTRUCTION SHALL BE SUPPLIED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY RELOCATION OF DUMPSTERS AS NECESSARY TO COMPLETE THE PROPOSED WORK.
- 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.
- ALL NEW PAVEMENT STRIPING SHALL BE 4" WIDE PAINTED LINES TO MATCH EXISTING COLOR ON SITE.

DRIVEWAY AND PARKING AREA RECONSTRUCTION NOTES

- 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.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL FINE GRADE THE GRAVEL SUBBASE NO MORE THAN 24 HOURS PRIOR TO THE PLACEMENT OF THE BASE COURSE PAVEMENT.
- 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.
- SHOULDERS OF DRIVEWAY AND PARKING AREAS SHALL BE GRADED FOR A SMOOTH TRANSITION FROM THE PROPOSED EDGE OF PAVEMENT/ CURB TO THE EXISTING GRADE.
- CROSS SLOPES AT CATCH BASINS SHALL BE ADJUSTED AS NECESSARY TO ASSURE PROPER DRAINAGE.
- DRAINAGE STRUCTURES SHALL BE ADJUSTED OR REMODELED AS REQUIRED TO MEET GRADE.
- THE CONTRACTOR SHALL CONTROL DUST DURING CONSTRUCTION.
- EXCAVATED MATERIALS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS.

FINE GRADING AND COMPACTING:

- 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.
- PAYMENT FOR GRADING AND COMPACTING THE RECONSTRUCTED SIDEWALK SHALL BE INCLUDED IN THE CONTRACT.
- PAYMENT FOR FINE GRADING AND COMPACTING THE RECONSTRUCTED DRIVEWAY AND PARKING AREAS SHALL BE INCLUDED IN THE CONTRACT.
- COMPACTION TESTING SHALL BE PERFORMED UNDER DIRECTION OF THE ENGINEER, TESTING COSTS SHALL BE INCLUDED IN THE CONTRACT.

SITE EROSION & SEDIMENT CONTROL NOTES

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

- THE CONTRACTOR SHALL REMOVE TREES AND STUMPS AS IDENTIFIED ON PLANS AND SHALL NOT REMOVE ANY TREES UNTIL APPROVED BY THE ENGINEER.
- 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.
- THE CONTRACTOR SHALL REMOVE OVERGROWN VEGETATION ALONG SITE PERIMETER AS NEEDED.
- 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.
- 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.
- 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
- EXISTING GAS LINE
- EXISTING DRAIN LINE
- EXISTING WATER LINE
- EXISTING SEWER LINE
- EXISTING ELECTRIC LINE
- EXISTING OVERHEAD WIRE
- EXISTING 5' CONTOURS
- EXISTING 1' CONTOURS
- EXISTING SPOT GRADE
- EXISTING EDGE OF PAVEMENT
- EXISTING CURBING
- 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

NOTES & LEGEND

ISLINGTON VILLAGE
 WESTWOOD MA
 NORFOLK COUNTY

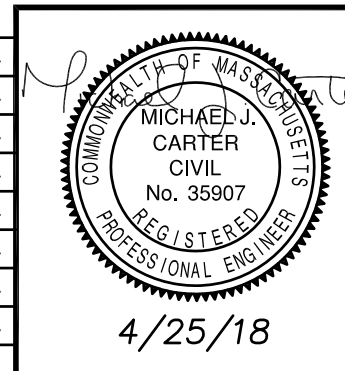
GCG ASSOCIATES, INC.

WILMINGTON MASSACHUSETTS

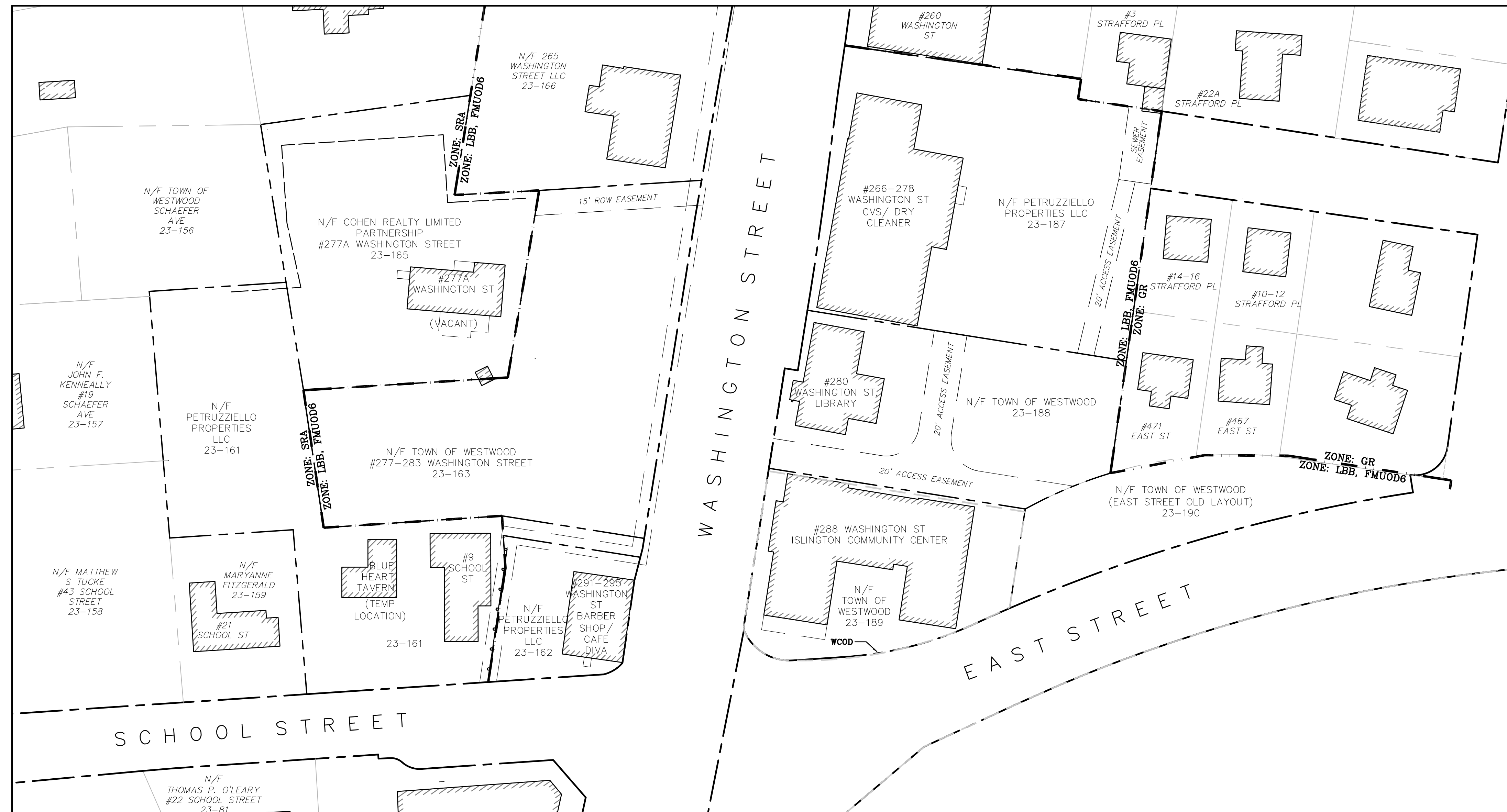
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JOB NO. \FILE NAME: 1753-COVER_DETAILS
 DESIGNED BY: S.B.H.
 DRAWN BY: S.B.H.
 CHECKED BY: M.J.C.
 PLAN NO. C-2 of 20

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



4/25/18



PLAN
SCALE: 1" = 40'

SCHOOL STREET SIDE ASSESSOR'S DESIGNATIONS:

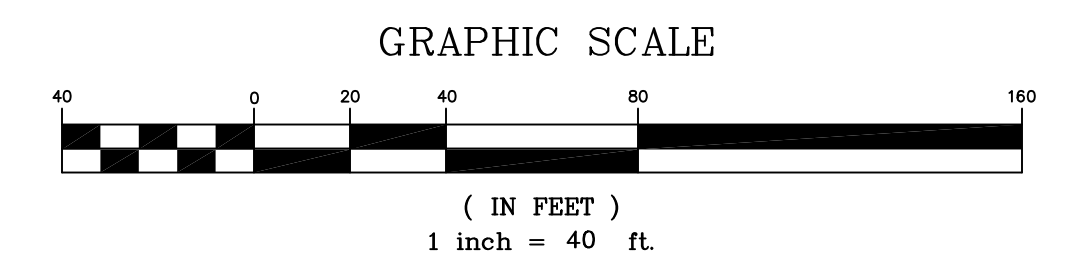
- MAP 23, LOT 161 - PETRUZZIELLO PROPERTIES
- MAP 23, LOT 162 - PETRUZZIELLO PROPERTIES
- MAP 23, LOT 163 - TOWN OF WESTWOOD
- MAP 23, LOT 165 - COHEN REALTY TRUST (UNDER P&S W/PETRUZZIELLO)

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



PROPERTY KEY PLAN

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

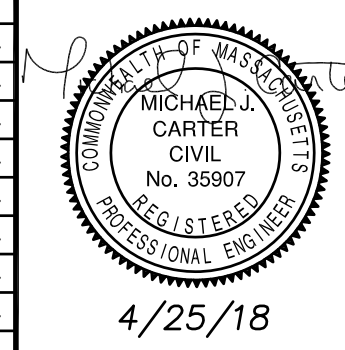
GCG ASSOCIATES, INC.

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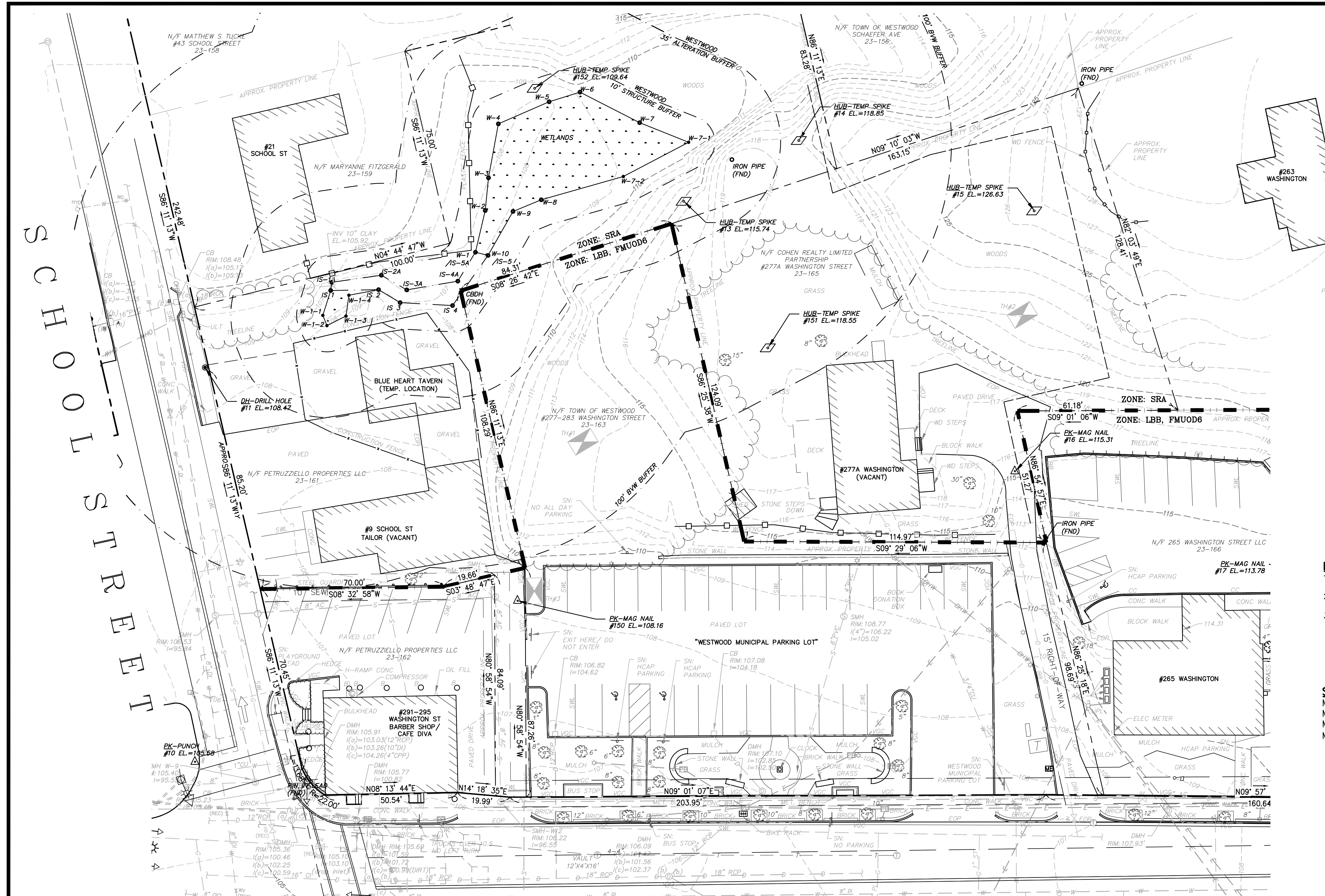
SCALE: 1"=40' DATE: DECEMBER 12, 2017

JOB NO. \ FILE NAME:	DESIGNED BY:	PLAN NO.
1753-BASE	DRAWN BY: S.B.H.	C-3 of 20
	CHECKED BY: M.J.C.	

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.

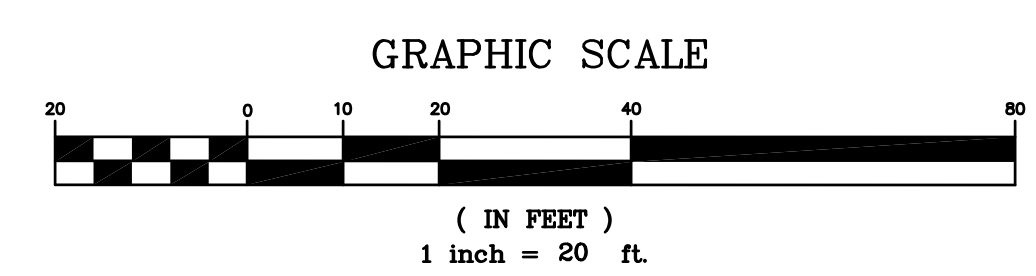


4/25/18



- 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/PETRUZZIELLO)



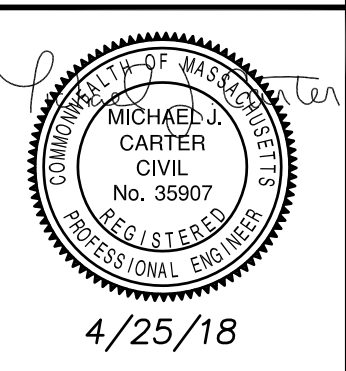
WASHINGTON STREET
 (1997 STATE HIGHWAY LAYOUT 7345)
 PLAN
 SCALE: 1" = 20'

PARKING TABLE

EXISTING SCHOOL STREET SIDE						
DESIGNATION	PRINCIPAL USE	BYLAW	PARAMETERS	# OF SPACES REQ'D	PROVIDED	LOCATION/NOTE
9 SCHOOL ST. (TAILOR)	RETAIL SALES AND SERVICES	1 SPC/250 SF	1,505 SF	7	3	BLDG LOT 3 SPC TOTAL
291-295 WASH (CAFÉ/BARBER)	RETAIL SALES AND SERVICES	1 SPC/250 SF	925 SF	8	8	BLDG LOT 8 SPC TOTAL
(1ST FL BARBER)	RETAIL SALES AND SERVICES	1 SPC/250 SF	925 SF	8	8	
(1ST FL CAFÉ)	RESTAURANT	1 SPC/4 SEATS, 1 SPC/2 EMPLOYEES	30 SEATS/ 3 EMPLOYEE	9	9	
(UPPER FL)	PROFESSIONAL BUSINESS SERVICES	1 SPC/333	1,850 SF	6	2	
277A WASHINGTON	SINGLE FAMILY DWELLING	2 SPC/ DWELLING	1 UNIT	2	2	
			SUBTOTAL=	32	13	
MUNICIPAL PARKING LOT						
(BERTIES)	RESTAURANT, PRE-EXISTING	MATCH EXISTING SPC	4 EXIST	4	4	MUNICIPAL LOT
(WILD BLOSSOM)	RESTAURANT, PRE-EXISTING	MATCH EXISTING SPC	9 EXIST	9	9	
(BALANCE EXIST SPC)	MUNICIPAL FACILITIES*	BALANCE OF 32*	19 EXIST BALANCE	19	19	
			SUBTOTAL=	13	32	
			TOTAL=	45	45	

* DETERMINED BY PLANNING BOARD, REQUIREMENT SHOWN PER ITE HANDBOOK

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
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

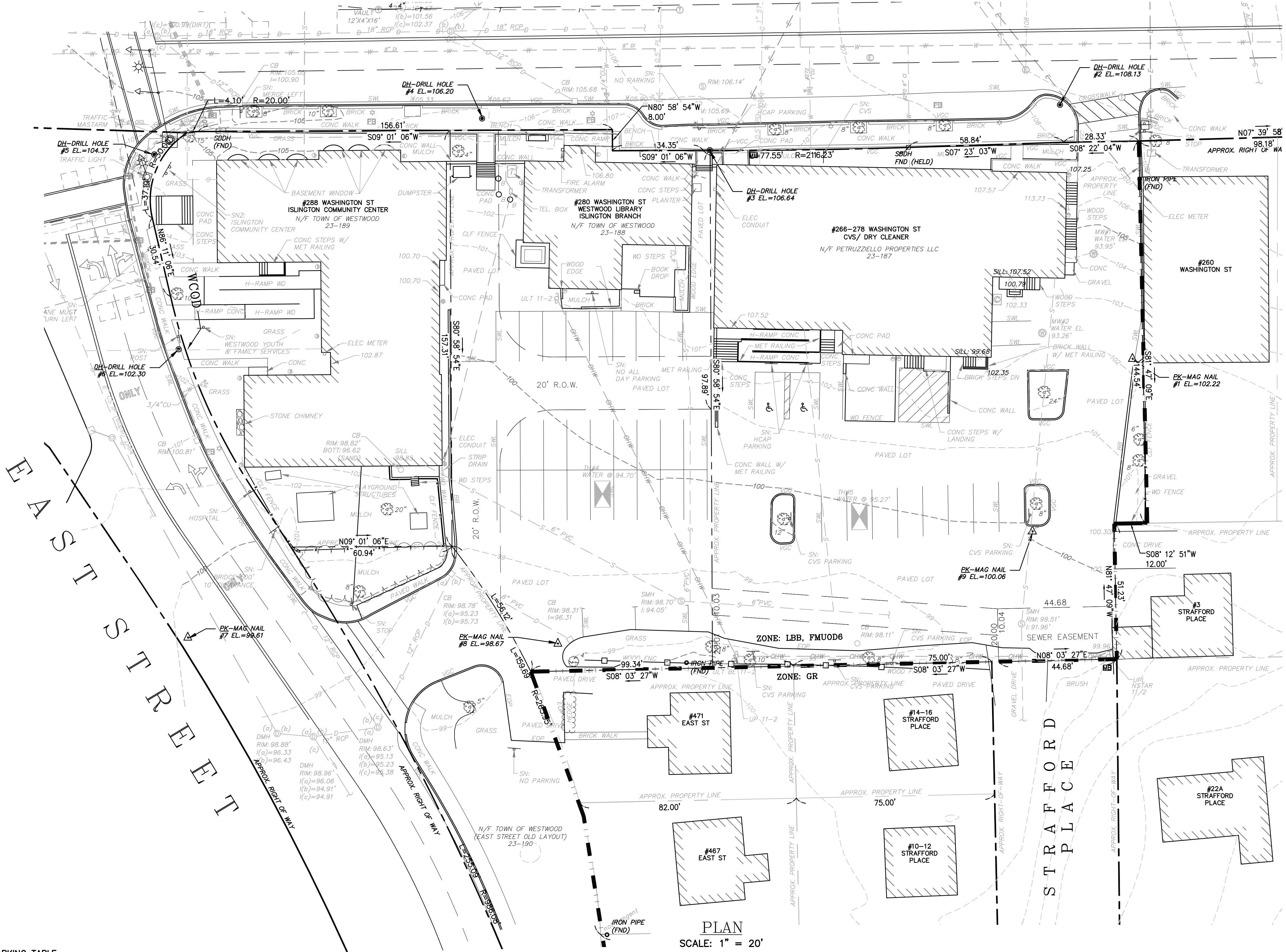
GCG ASSOCIATES, INC.
 WILMINGTON MASSACHUSETTS

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

JOB NO. \ FILE NAME:	DESIGNED BY: S.B.H.	PLAN NO.
1753-BASE	DRAWN BY: S.B.H.	C-4 of 20
	CHECKED BY: M.J.C.	

WASHINGTON STREET

(1997 STATE HIGHWAY LAYOUT 7345)



PLAN
SCALE: 1" = 20'

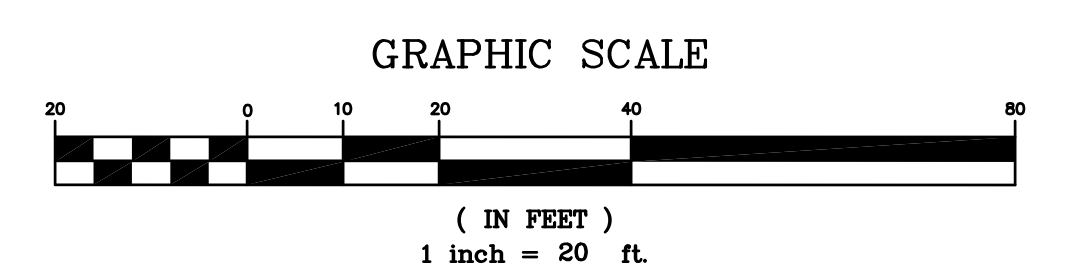
- NOTES:**
- 1.) PLANS AND TOPOGRAPHIC INFORMATION ARE PREPARED FROM GROUND SURVEY BY GCG ASSOCIATES, INC. PERFORMED IN OCTOBER OF 2017.
 - 2.) COORDINATES REFER TO MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD 83). ELEVATIONS REFER TO NAVD 1988.
 - 3.) ALL LOCATIONS OF SUBSURFACE UTILITIES AND STRUCTURES 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.

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:

- JAN. 26, 2018**
- 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)
- FEB. 1, 2018**
- TH#4
PAVEMENT EL.=99.70'
ESHGW EL.=94.70'
- TH#5
PAVEMENT EL.=99.85'
ESHGW EL.=95.27'

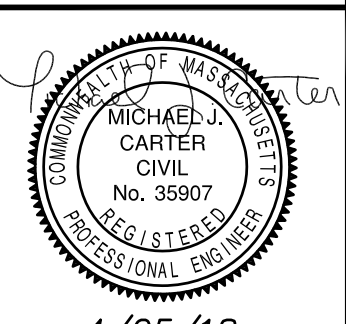


PARKING TABLE

EXISTING EAST STREET SIDE						
DESIGNATION	PRINCIPAL USE	BYLAW	PARAMETERS	# OF SPACES REQ'D	PROVIDED	LOCATION/NOTE
COMMUNITY CENTER	MUNICIPAL FACILITIES*	3.1 SPC/1,000 SF*	6,031 SF	19		LIB/CC - 29 SPC TOTAL
(COMMUNITY)	CHILD CARE FACILITY	1 SPC/EMPLOYEE, 2 SPC/CLASSROOM	13 EMP, 5 CLASS	23		
(MMD)	LIBRARY	3.14 SPC/1,000 SF*	2,035 SF	7	29	
266-278 WASHINGTON (CVS/DC)	RETAIL SALES AND SERVICES	1 SPC/250 SF	8,105 SF	33	26	CVS LOT 26 SPC TOTAL
(CVS/ DRY CLEANER/BASE)	PROFESSIONAL BUSINESS SERVICES	1 SPC/333	1,109 SF	4		
(UPPER FL. OFFICE)						
TOTAL:				86	55	

* DETERMINED BY PLANNING BOARD, REQUIREMENT SHOWN PER ITE HANDBOOK

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
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. PLAN NO. C-5 of 20
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

SCHOOL STREET



CONSTRUCTION SEQUENCING PLAN

PHASE 1 – SCHOOL STREET SIDE

- SITE PREPARATION BEFORE ANY SITE GRADING/CONSTRUCTION ACTIVITIES BEGIN:**
1. INSTALL PERIMETER COMPOST SOCKS, ORANGE CONSTRUCTION FENCE AND TEMPORARY CONSTRUCTION SITE CHAIN LINK FENCING.
 2. INSTALL STORM DRAIN INLET PROTECTION ON SITE AND WASHINGTON AND SCHOOL STREET AND AT INTERSECTION.
 3. CONSTRUCT STABILIZED CONSTRUCTION EXITS.
 4. INSTALL TEMPORARY SANITARY FACILITIES AND DUMPSTERS.

- BUILDING DEMOLITION AND SITE GRADING:**
1. BEGIN SITE CLEARING AND GRUBBING OPERATIONS.
 2. BEGIN OVERALL SITE GRADING AND TOPSOIL STRIPPING.
 3. ESTABLISH TOPSOIL STOCKPILE.
 4. INSTALL SILT FENCES AROUND STOCKPILES AND COVER. DISTURBED AREAS WHERE CONSTRUCTION WILL CEASE FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH EROSION CONTROLS.

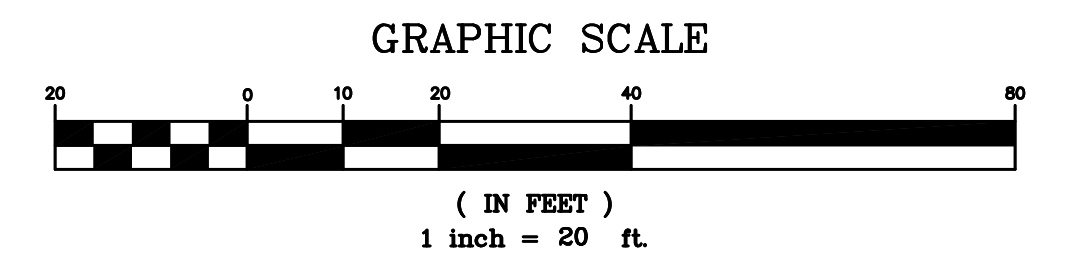
- INFRASTRUCTURE (UTILITIES, PARKING LOT, ETC.):**
1. CONSTRUCT STAGING AND MATERIALS STORAGE AREA.
 2. INSTALL UTILITIES, SANITARY SEWERS AND WATER SERVICES.

- BUILDING CONSTRUCTION:**
1. CONSTRUCT TEMPORARY CONCRETE WASHOUT AREA.
 2. BEGIN CONSTRUCTION OF BUILDING FOUNDATION AND STRUCTURE.
 3. IMPLEMENT WINTER STABILIZATION PROCEDURES.
 4. INSTALL GUTTERS, CURBS, AND PREPARE PAVEMENT SUBGRADE.
 5. PARKING LOT PAVED, EXTERIOR BUILDING CONSTRUCTED.
 6. REMOVE TEMPORARY CONCRETE WASHOUT AREA.

- FINAL STABILIZATION AND LANDSCAPING:**
1. FINALIZE PAVEMENT ACTIVITIES.
 2. REMOVE ALL TEMPORARY CONTROL BMPs AND STABILIZE ANY AREAS DISTURBED BY THEIR REMOVAL WITH EROSION CONTROLS.
 3. PREPARE TREE PLANTING, FINAL SEEDING AND LANDSCAPING.
 4. MONITOR STABILIZED AREAS UNTIL FINAL STABILIZATION IS REACHED.

NOTES:

1. ALL VEHICLES LEAVING UNPAVED CONSTRUCTION SITE SHALL USE DESIGNATED CONSTRUCTION EXIT.



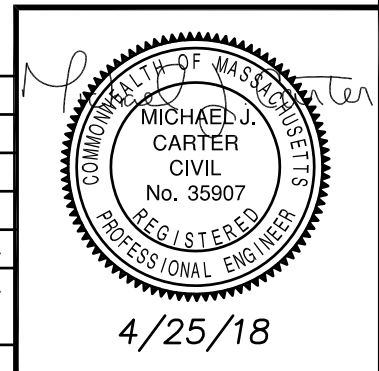
WASHINGTON STREET

(1997 STATE HIGHWAY LAYOUT 7345)

PLAN

SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM. (NEW SHEET)	S.B.H.



SITE PREPARATION PLAN – PHASE 1
SCHOOL STREET SIDE

ISLINGTON VILLAGE
 WESTWOOD, MA
 NORFOLK COUNTY

GCG ASSOCIATES, INC.
 WILMINGTON MASSACHUSETTS

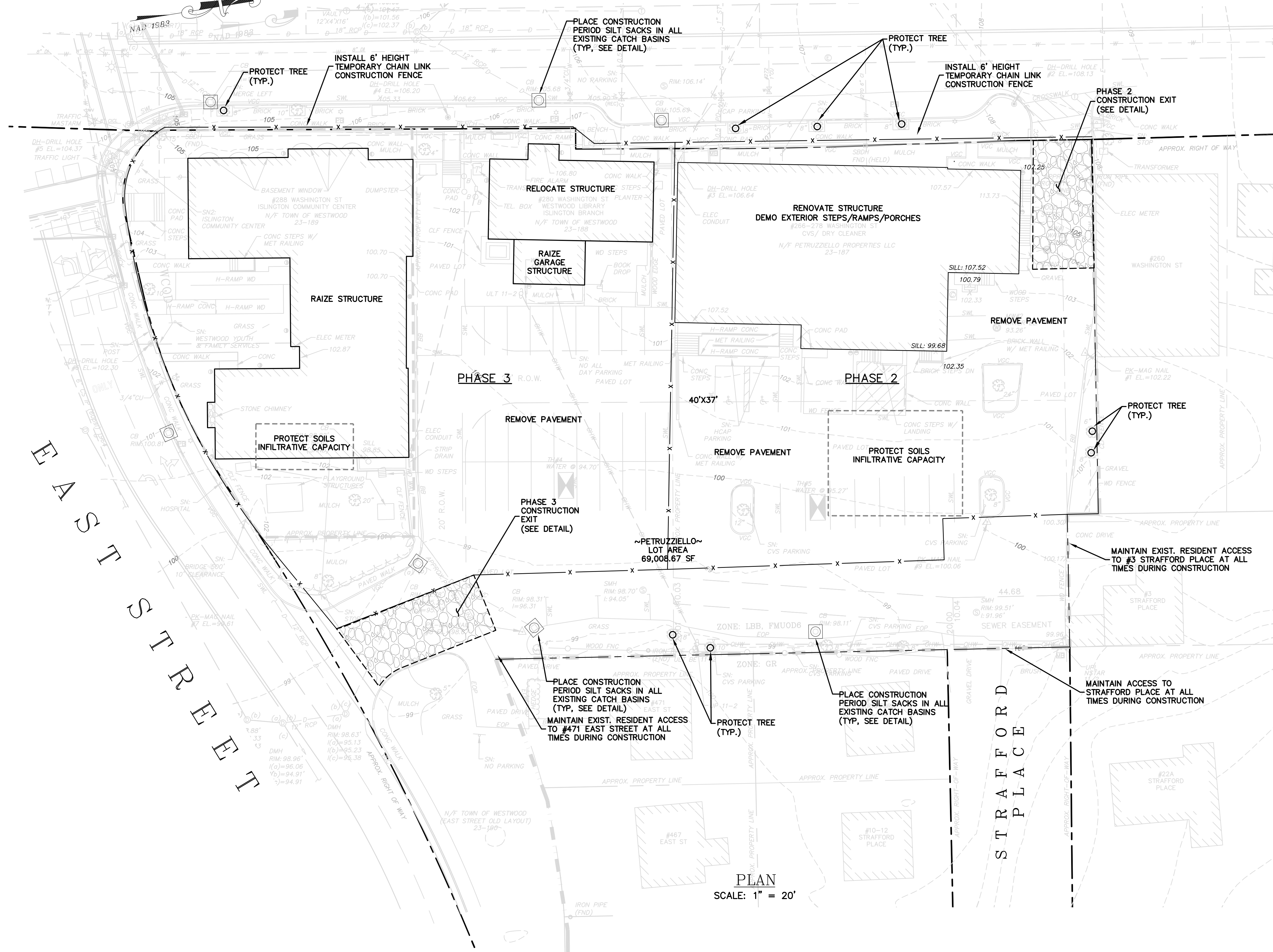
SCALE: 1"=20' DATE: DECEMBER 12, 2017

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 20

WASHINGTON STREET

(1997 STATE HIGHWAY LAYOUT 7345)



CONSTRUCTION SEQUENCING PLAN

PHASE 2 – RENOVATE BUILDING 266–278 WASHINGTON STREET

- SITE PREPARATION BEFORE ANY SITE GRADING/CONSTRUCTION ACTIVITIES BEGIN:
1. INSTALL PERIMETER COMPOST SOCKS, ORANGE CONSTRUCTION FENCE AND TEMPORARY CONSTRUCTION SITE CHAIN LINK FENCING.
 2. INSTALL STORM DRAIN INLET PROTECTION ON SITE AND WASHINGTON AND EAST STREETS AND AT INTERSECTION.
 3. CONSTRUCT STABILIZED CONSTRUCTION EXITS.
 4. INSTALL TEMPORARY SANITARY FACILITIES AND DUMPSTERS.

- BUILDING DEMOLITION AND SITE GRADING:
1. BEGIN SITE CLEARING AND GRUBBING OPERATIONS.
 2. BEGIN DEMOLISHING INTERIOR/EXTERIOR BUILDING.
 3. BEGIN OVERALL SITE PAVEMENT REMOVAL AND GRADING AT BUILDING EXTERIOR.
 4. ESTABLISH STOCKPILES.
 5. INSTALL SILT FENCES AROUND STOCKPILES AND COVER.
 6. DISTURBED AREAS WHERE CONSTRUCTION WILL CEASE FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH EROSION CONTROLS.

- INFRASTRUCTURE (UTILITIES, PARKING LOT, ETC.):
1. CONSTRUCT STAGING AND MATERIALS STORAGE AREA.
 2. INSTALL UTILITIES, SANITARY SEWERS AND WATER SERVICES.

- BUILDING CONSTRUCTION:
1. CONSTRUCT TEMPORARY CONCRETE WASHOUT AREA.
 2. BEGIN RECONSTRUCTION OF BUILDING.
 3. IMPLEMENT WINTER STABILIZATION PROCEDURES.
 4. INSTALL GUTTERS, CURBS, AND PREPARE PAVEMENT SUBGRADE.
 5. PARKING LOT PAVED, EXTERIOR BUILDING CONSTRUCTED.
 6. REMOVE TEMPORARY CONCRETE WASHOUT AREA.

- FINAL STABILIZATION AND LANDSCAPING:
1. FINALIZE PAVEMENT ACTIVITIES.
 2. REMOVE ALL TEMPORARY CONTROL BMPs AND STABILIZE ANY AREAS DISTURBED BY THEIR REMOVAL WITH EROSION CONTROLS.
 3. PREPARE TREE PLANTING, FINAL SEEDING AND LANDSCAPING.
 4. MONITOR STABILIZED AREAS UNTIL FINAL STABILIZATION IS REACHED.

PHASE 3 – NEW MIXED USE DEVELOPMENT

- SITE PREPARATION BEFORE ANY SITE GRADING/CONSTRUCTION ACTIVITIES BEGIN:
1. INSTALL PERIMETER COMPOST SOCKS, ORANGE CONSTRUCTION FENCE AND TEMPORARY CONSTRUCTION SITE CHAIN LINK FENCING.
 2. INSTALL STORM DRAIN INLET PROTECTION ON SITE AND WASHINGTON AND EAST STREETS AND AT INTERSECTION.
 3. CONSTRUCT STABILIZED CONSTRUCTION EXITS.
 4. INSTALL TEMPORARY SANITARY FACILITIES AND DUMPSTERS.

- BUILDING DEMOLITION AND SITE GRADING:
1. BEGIN SITE CLEARING AND GRUBBING OPERATIONS.
 2. BEGIN DEMOLISHING EXISTING BUILDINGS.
 3. BEGIN OVERALL SITE GRADING, PAVEMENT AND TOPSOIL STRIPPING.
 4. INSTALL SILT FENCES AROUND STOCKPILES AND COVER.
 5. DISTURBED AREAS WHERE CONSTRUCTION WILL CEASE FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH EROSION CONTROLS.

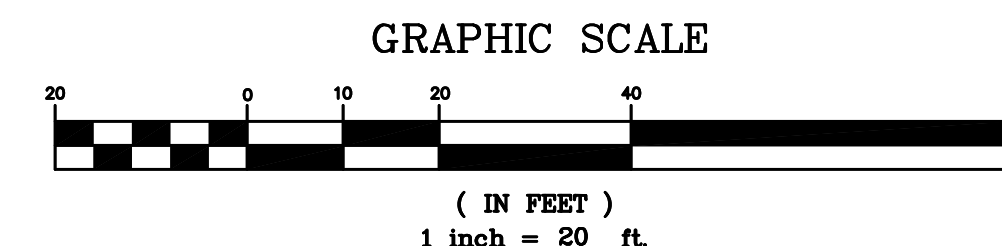
- INFRASTRUCTURE (UTILITIES, PARKING LOT, ETC.):
1. CONSTRUCT STAGING AND MATERIALS STORAGE AREA.
 2. INSTALL UTILITIES, SANITARY SEWERS AND WATER SERVICES.

- BUILDING CONSTRUCTION:
1. CONSTRUCT TEMPORARY CONCRETE WASHOUT AREA.
 2. BEGIN CONSTRUCTION OF BUILDING FOUNDATION AND STRUCTURE.
 3. IMPLEMENT WINTER STABILIZATION PROCEDURES.
 4. INSTALL GUTTERS, CURBS, AND PREPARE PAVEMENT SUBGRADE.
 5. PARKING LOT PAVED, EXTERIOR BUILDING CONSTRUCTED.
 6. REMOVE TEMPORARY CONCRETE WASHOUT AREA.

- FINAL STABILIZATION AND LANDSCAPING:
1. FINALIZE PAVEMENT ACTIVITIES.
 2. REMOVE ALL TEMPORARY CONTROL BMPs AND STABILIZE ANY AREAS DISTURBED BY THEIR REMOVAL WITH EROSION CONTROLS.
 3. PREPARE TREE PLANTING, FINAL SEEDING AND LANDSCAPING.
 4. MONITOR STABILIZED AREAS UNTIL FINAL STABILIZATION IS REACHED.

NOTES:

1. ALL VEHICLES LEAVING UNPAVED CONSTRUCTION SITE SHALL USE DESIGNATED CONSTRUCTION EXIT.



PLAN
SCALE: 1" = 20'

SITE PREPARATION PLAN – PHASE 2 & 3 EAST STREET SIDE

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.

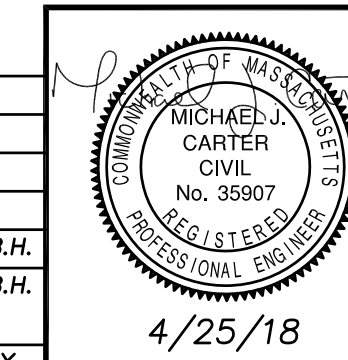
WILMINGTON MASSACHUSETTS

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 20

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM. (NEW SHEET)	S.B.H.



4/25/18

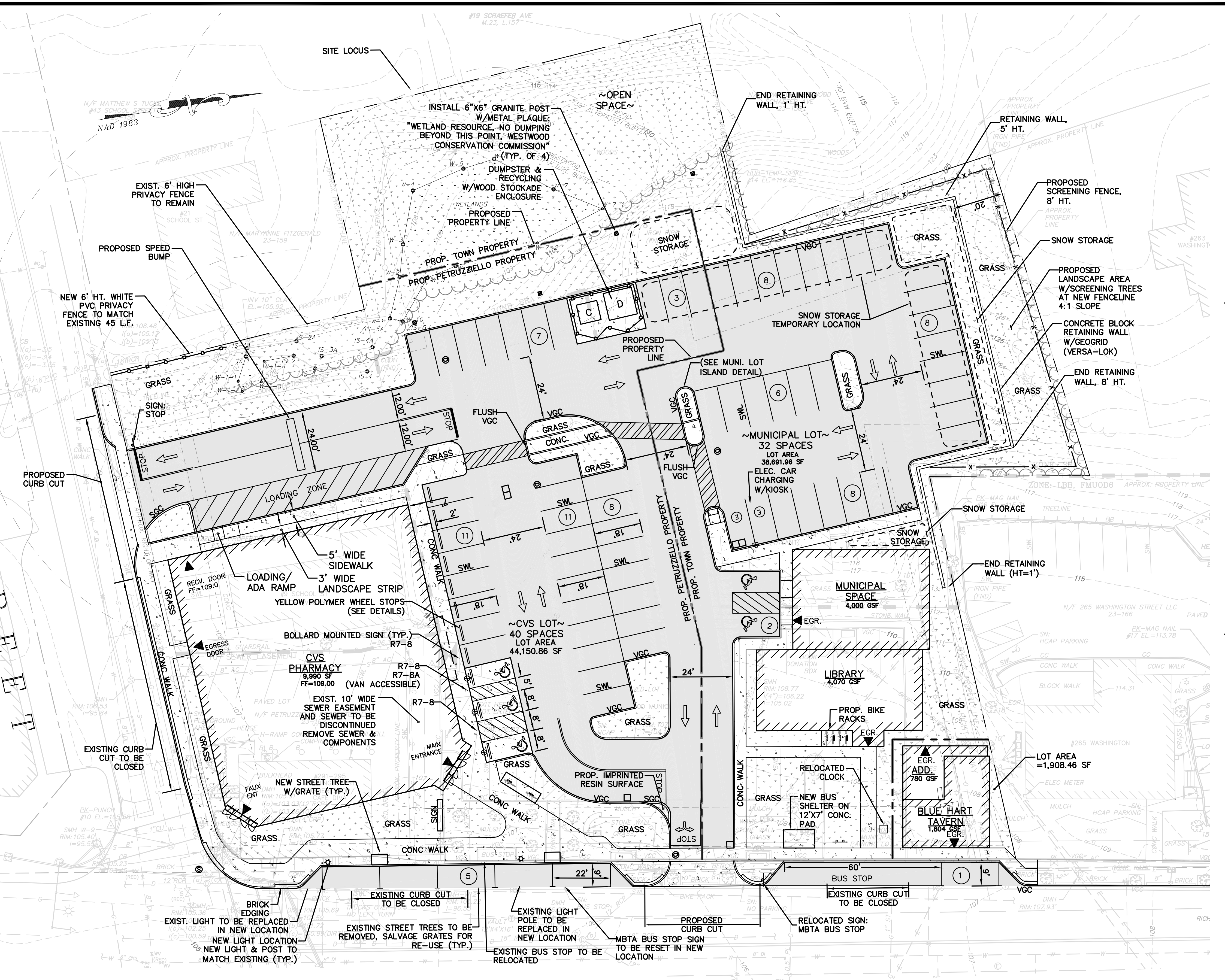
SCHOOL STREET

WASHINGTON STREET

(1997 STATE HIGHWAY LAYOUT 7345)

PLAN

SCALE: 1" = 20'



EARTH MATERIAL MOVEMENT:

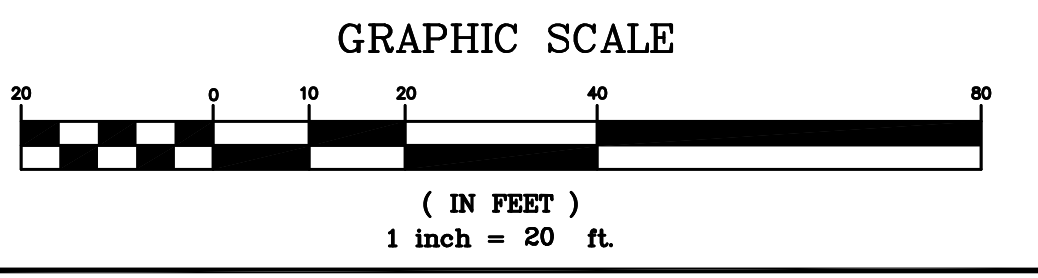
SCHOOL STREET SIDE:

CUT:	
PAVEMENT	230 CY
SAND/GRAVEL	9,183 CY
LEDGE/BOULDERS	1,348 CY
(TOTAL = 10,761 CY)	
FILL:	
SAND/GRAVEL	250 CY (REUSE GRADING)
PAVEMENT	1,383 CY (NEW ROAD GRAVEL)
833 TON	
NET:	
PAVEMENT	230 CY (CUT REMOVED FROM SITE)
SAND/GRAVEL	8,933 CY (CUT REMOVED FROM SITE)
LEDGE/BOULDERS	1,348 (CUT REMOVED FROM SITE)

1. PRIOR TO EXCAVATION OF EXISTING SOILS ON SITE, THE SOILS SHALL BE TESTED IN AREAS IDENTIFIED IN THE REPORT TITLED "ASTM SCREEN/ LIMITED SITE ASSESSMENT 280-288 AND 273-283 WASHINGTON STREET WESTWOOD MA, DATED FEBRUARY 6, 2018" TO DETERMINE IF THE EXISTING SOILS HAD BEEN CONTAMINATED BY EARLIER SITE USES. THIS WORK SHALL BE PERFORMED BY A LICENSED SITE PROFESSIONAL.
2. IF CONTAMINATED SOILS ARE FOUND IN AREAS OF WORK, CONSTRUCTION PROCEDURES AND POLICIES SHALL FOLLOW REQUIREMENTS OF COMMONWEALTH OF MASSACHUSETTS 310 CMR 30.000, THE MASSACHUSETTS HAZARDOUS WASTE REGULATIONS AND CONSIDERATIONS FOR MANAGING CONTAMINATED SOIL: RCRA AND LAND DISPOSAL RESTRICTIONS AND CONTAINED-IN DETERMINATIONS.

SNOW STORAGE & REMOVAL NOTES:

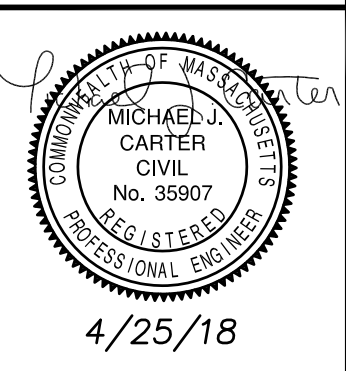
- 1) ALL SIDEWALKS AND WALKWAYS SHALL REMAIN CLEAR FROM SNOW.
- 2) SNOW SHALL BE STORED IN PROPOSED LOCATIONS SHOWN ON SITE.
- 3) IN THE EVENT OF EXCESSIVE SNOWFALL, SNOW SHALL BE PLOWED AND TEMPORARILY STORED IN IDENTIFIED SNOW STORAGE 'TEMPORARY' LOCATION AND REMOVED FROM SITE.
- 4) SNOW STORED ON-SITE WITHIN IDENTIFIED 'TEMPORARY' LOCATIONS SHALL BE LIMITED TO 10 DAYS PRIOR TO REMOVAL.
- 5) SNOW STORAGE LOCATIONS SHALL BE RAKED AND INSPECTED EACH SPRING AND HYDROSEED AS NECESSARY IN ADDITION TO REGULAR LANDSCAPING MAINTENANCE. DEBRIS SHALL BE CLEARED FROM THE SITE AND PROPERLY DISPOSED OF NO LATER THAN MAY 15.
- 6) SNOW STORAGE LOCATION WITHIN WETLAND BUFFER ZONE SHALL BE REVEGETATED WITH A HYDROSEED MIX CONSISTING OF 50% OR GREATER ANNUAL MIX TO SPEED VEGETATIVE GROWTH.



PARKING TABLE

PROPOSED SCHOOL STREET SIDE						
DESIGNATION	PRINCIPAL USE	ITE	PARAMETERS	DEMAND	PROVIDED	LOCATION/NOTE
CVS	PHARMACY, NO DRIVEDTHRU	9,990	PEAK (MAX) - 2.20 SPC/1,000 SF**	22	40	CVS LOT
MUNICIPAL LOT						
(BERTIE'S)	RESTAURANT, PRE-EXISTING		MATCH EXISTING SPC	4 EXIST	4	MUNICIPAL LOT (31 SPC TOTAL)
(WILD BLOSSOM)	RESTAURANT, PRE-EXISTING		MATCH EXISTING SPC	9 EXIST	9	
(COMMUNITY SPACE)	MUNICIPAL FACILITIES		3.2 SPC/1,000 SF*	4,000 SF	13	
(LIBRARY)	MUNICIPAL FACILITIES		2.61 SPC/1,000 SF*	4,070 SF	11	
(BALANCE EXIST SPC)						
BLIE HART TAVERN						
(OFFICE)	PROFESSIONAL BUSINESS SERVICES	1,236 SPC/1,000	1,236 SF	4	0	
(APARTMENT)	APARTMENT	2 SPC/APT	1-BDRM APT	2	0	
STREET PARKING					6	ON STREET
TOTAL:				65	78	

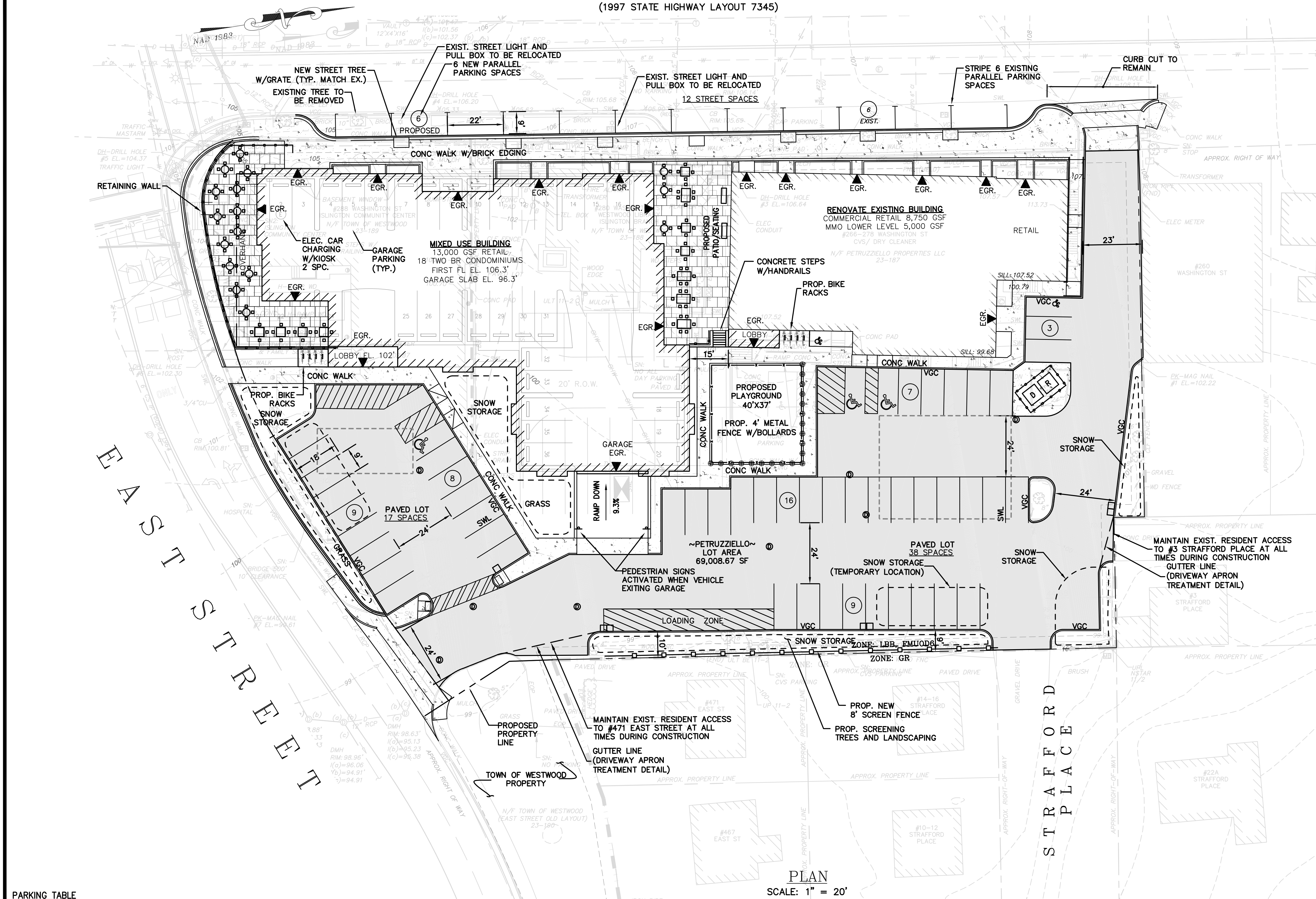
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.
NO.	DATE	DESCRIPTION	BY



PROPOSED LAYOUT 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. PLAN NO. C-8 OF 20
DRAWN BY: S.B.H. CHECKED BY: M.J.C.

WASHINGTON STREET

(1997 STATE HIGHWAY LAYOUT 7345)



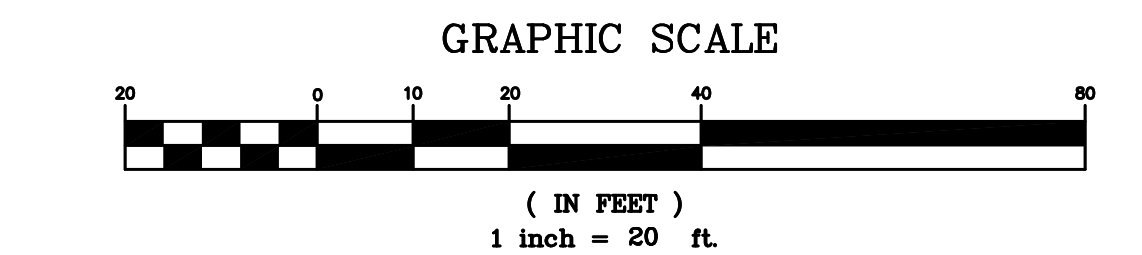
EARTH MATERIAL MOVEMENT:

EAST STREET SIDE:

CUT:	
PAVEMENT	340 CY
SAND/GRAVEL	5,163 CY
	(TOTAL = 5,503 CY)
FILL:	
SAND/GRAVEL	436 CY (REUSE GRADING)
PAVEMENT	981 CY (NEW ROAD GRAVEL)
	618 TON
NET:	
PAVEMENT	340 CY (REMOVED FROM SITE)
SAND/GRAVEL	4,727 CY (REMOVED FROM SITE)

SNOW STORAGE & REMOVAL NOTES:

- 1) ALL SIDEWALKS AND WALKWAYS SHALL REMAIN CLEAR FROM SNOW.
- 2) SNOW SHALL BE STORED IN PROPOSED LOCATIONS SHOWN ON SITE.
- 3) IN THE EVENT OF EXCESSIVE SNOWFALL, SNOW SHALL BE PLOWED AND TEMPORARILY STORED IN IDENTIFIED SNOW STORAGE 'TEMPORARY' LOCATION AND REMOVED FROM SITE.
- 4) SNOW STORED ON-SITE WITHIN IDENTIFIED 'TEMPORARY' LOCATIONS SHALL BE LIMITED TO 10 DAYS PRIOR TO REMOVAL.
- 5) SNOW STORAGE LOCATIONS SHALL BE RAKED AND INSPECTED EACH SPRING AND HYDROSEDED AS NECESSARY IN ADDITION TO REGULAR LANDSCAPING MAINTENANCE. DEBRIS SHALL BE CLEARED FROM THE SITE AND PROPERLY DISPOSED OF NO LATER THAN MAY 15.

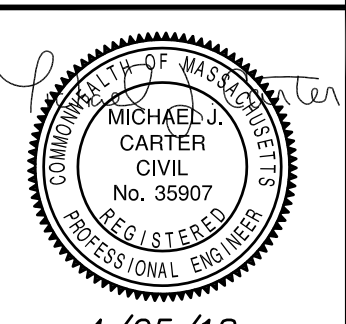


PLAN
SCALE: 1" = 20'

PARKING TABLE

DESIGNATION	PRINCIPAL USE	ITE	PARAMETERS	DEMAND	PROVIDED	LOCATION/NOTE
MIXED-USE BUILDING						
(CONDOS)	SINGLE FAMILY DWELLING	1.38/UNIT	18 CONDOS	25	36	LOWER LEVEL PARKING GARAGE
(RETAIL)	RETAIL	2.55 SPC/1000 SF	13,000 SF	34	40	SHARED REAR LOT
#266-278 WASHINGTON ST.						
(RETAIL)	RETAIL	2.55 SPC/1000 SF	8,750	23		SHARED REAR LOT
(MMO DAYCARE)	Day Care	3.2 SPC/ 1000 SF	5,000	16	12	SHARED REAR LOT
STREET PARKING				0	12	ON STREET
			TOTAL:	98	100	

8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.
NO.	DATE	DESCRIPTION	BY



PROPOSED LAYOUT SITE PLAN
EAST STREET SIDE

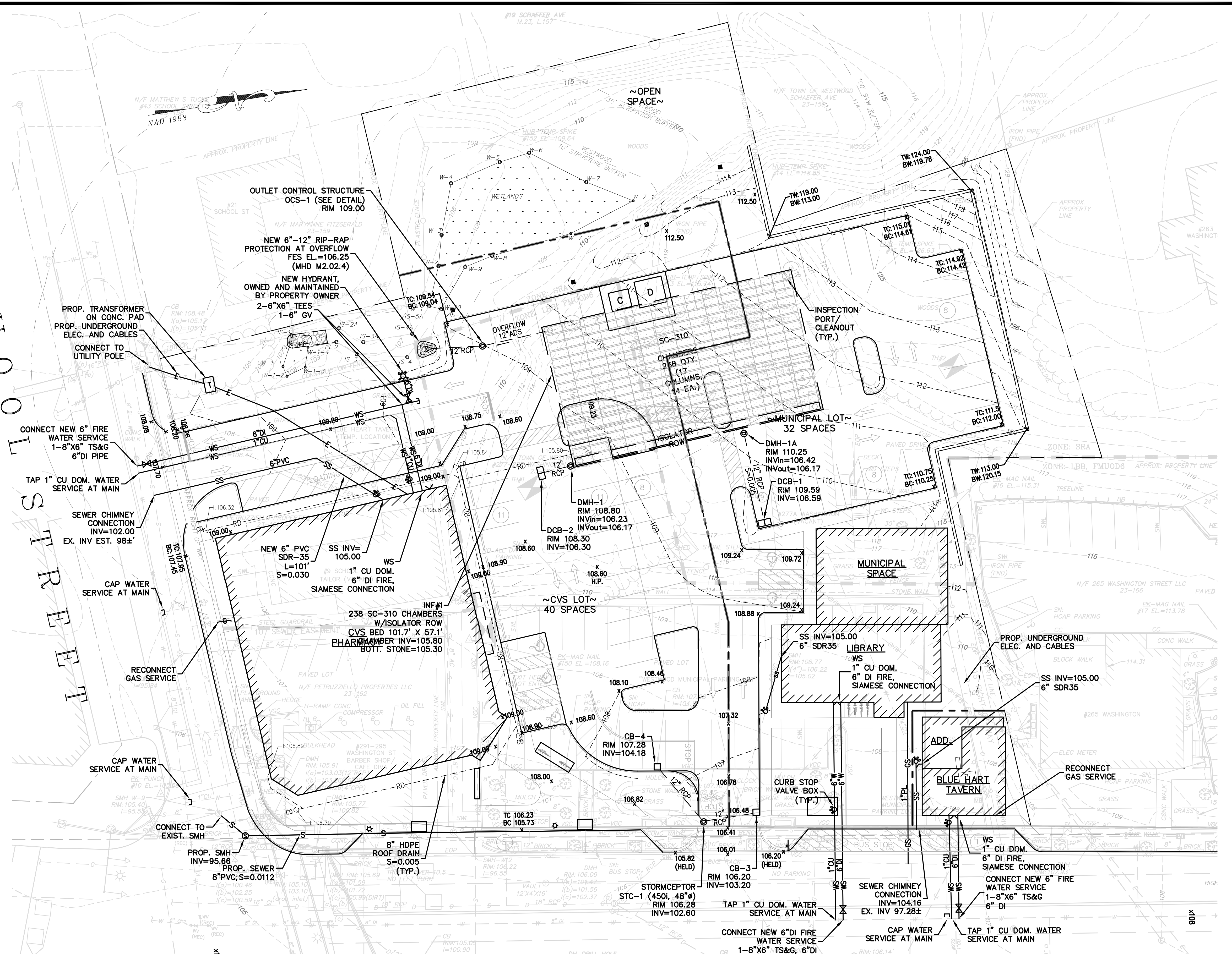
ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

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

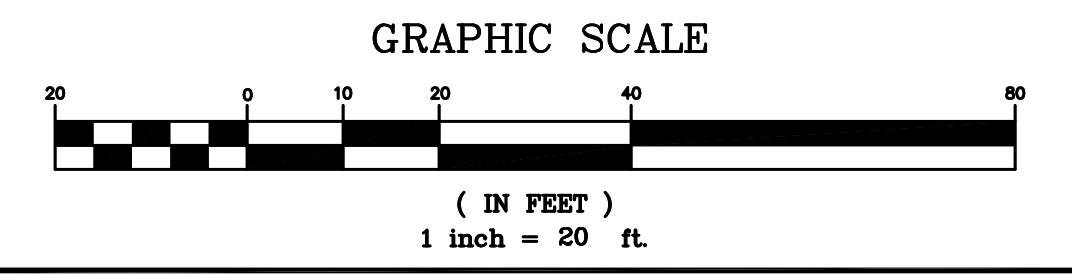
JOB NO. \FILE NAME:	DESIGNED BY: S.B.H.	PLAN NO.
1753-DESIGN_SITES	DRAWN BY: S.B.H.	C-9 of 20
	CHECKED BY: M.J.C.	

SCHOOL STREET



WASHINGTON STREET
(1997 STATE HIGHWAY LAYOUT 7345)

PLAN
SCALE: 1" = 20'



PROPOSED GRADING & UTILITY SITE PLAN
SCHOOL STREET SIDE

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.

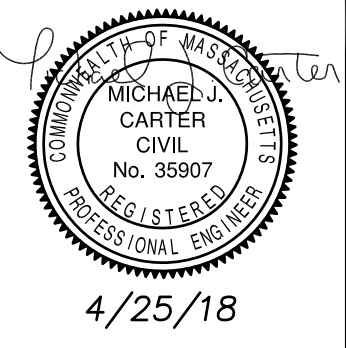
WILMINGTON MASSACHUSETTS

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-10 OF 20

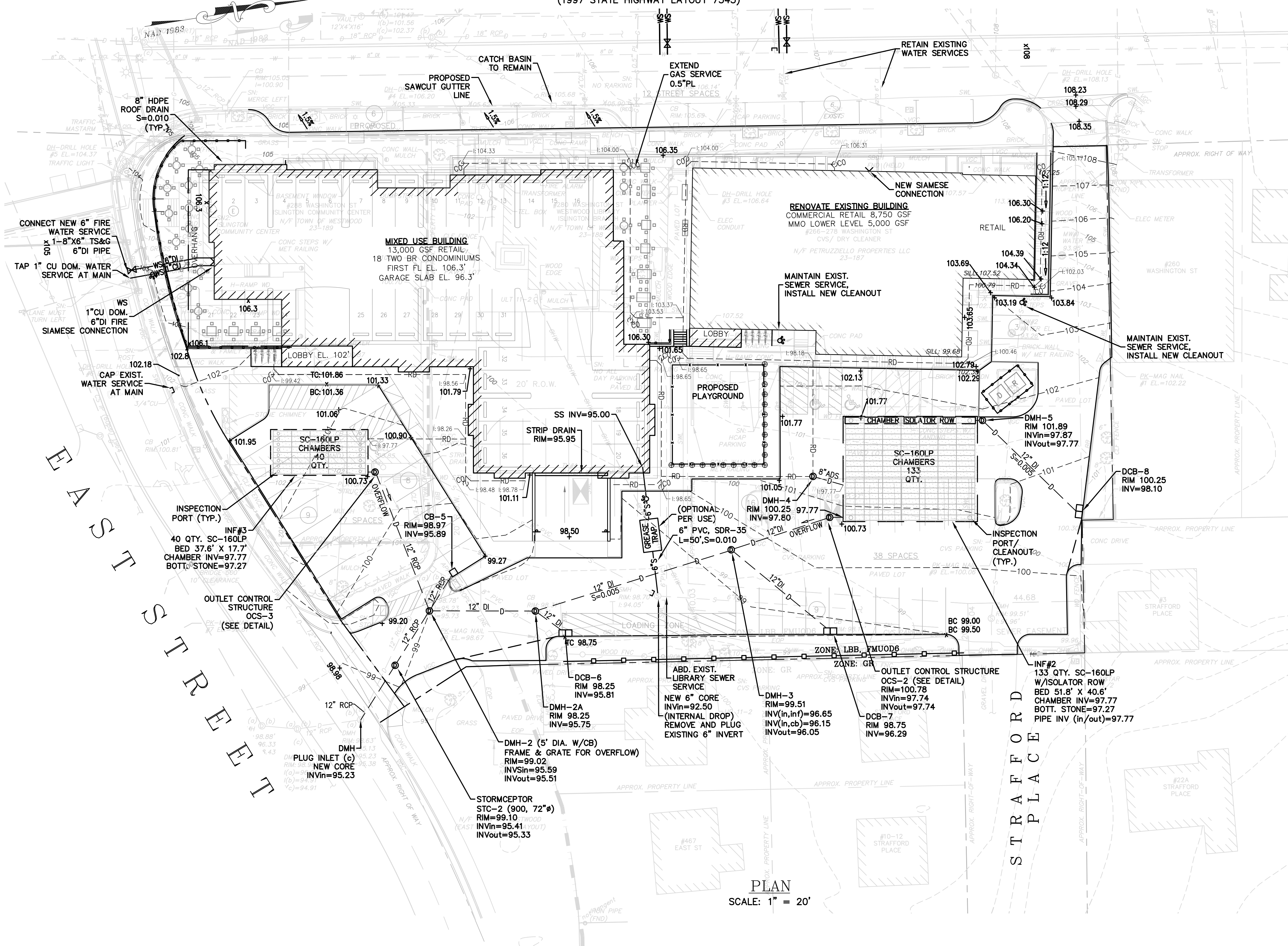
NO.	DATE	DESCRIPTION	BY
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2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



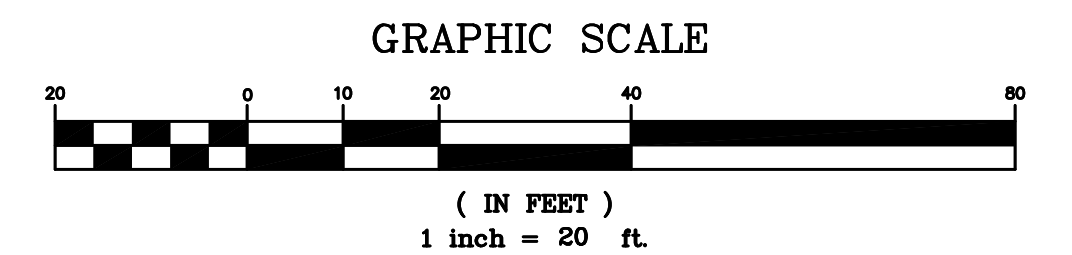
4/25/18

WASHINGTON STREET

(1997 STATE HIGHWAY LAYOUT 7345)



PLAN
SCALE: 1" = 20'



PROPOSED GRADING & UTILITY SITE PLAN
EAST STREET SIDE
 ISLINGTON VILLAGE
 WESTWOOD, MA
 NORFOLK COUNTY

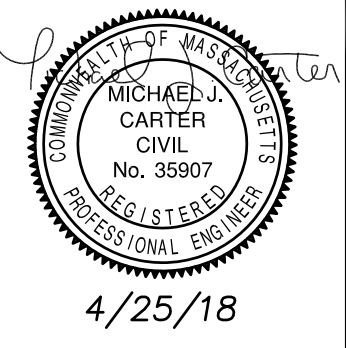
GCG ASSOCIATES, INC.
 WILMINGTON MASSACHUSETTS

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

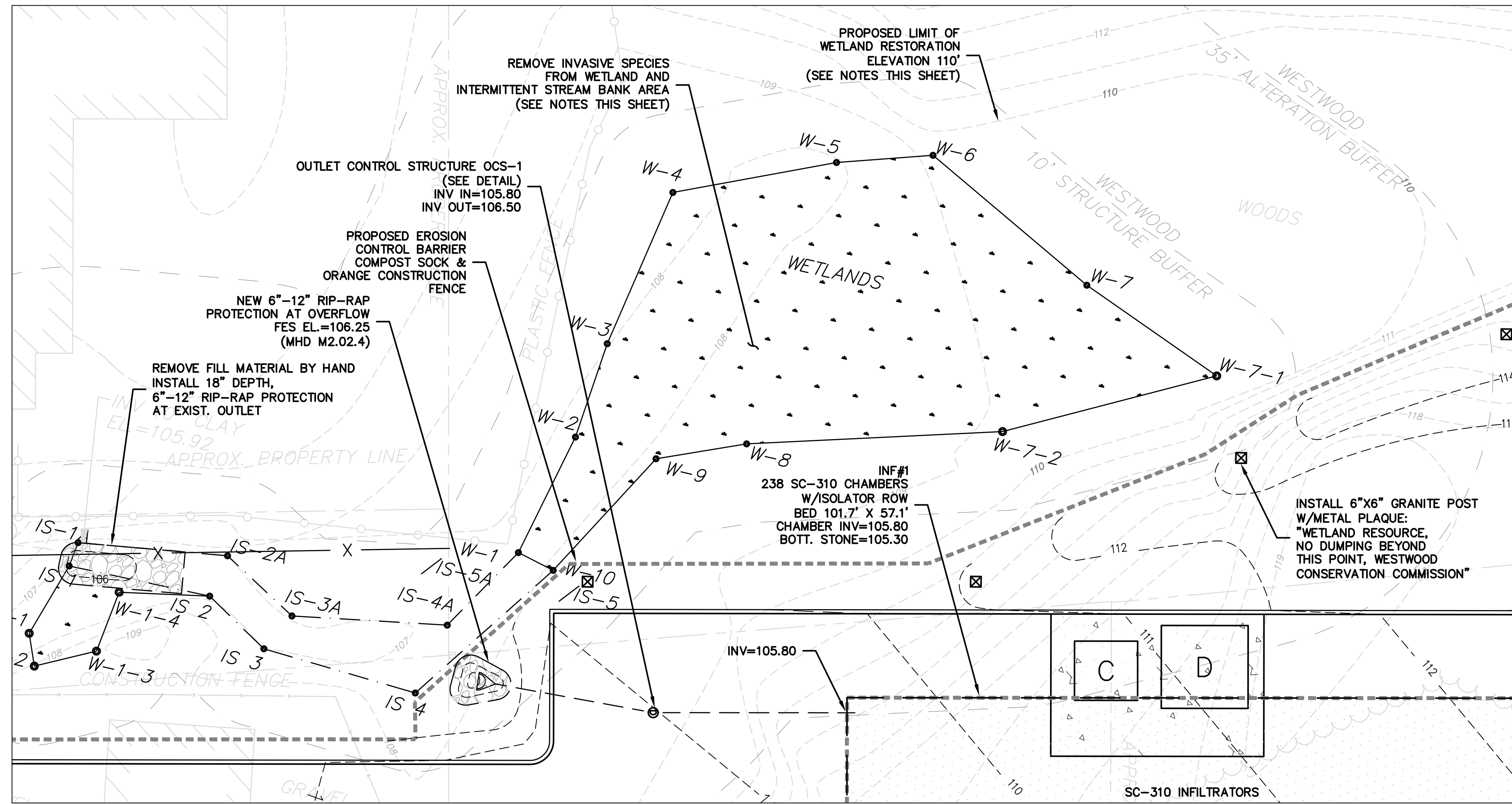
JOB NO. \FILE NAME: 1753-DESIGN_SITES
 DESIGNED BY: S.B.H.
 DRAWN BY: S.B.H.
 CHECKED BY: M.J.C.

PLAN NO. C-11 of 20

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1	1/2/18	CONSERVATION - NOI	S.B.H.



4/25/18



NOTES:

- GRADING, STABILIZATION AND ESTABLISHMENT OF GROWTH WITHIN RESOURCE BUFFER AREA:**
1. GRADING WORK PERFORMED IN BUFFER AREA WILL REQUIRE SEEDING WITH ANNUAL GRASSES IN SEPTEMBER. 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. PLACE NEW TOPSOIL IN DISTURBED BUFFER AREAS. THIS SHOULD BE SPREAD TO PROVIDE A COARSE MICROTOPOGRAPHY
 3. APPLICATIONS OF ANNUAL GRASSES, INCLUDING WINTER RYE OR WINTER WHEAT SHOULD BE USED FOR STABILIZATION IN WETLAND BUFFER AREA. IF GROWTH IS NOT ESTABLISHED OR SLOPES ARE NOT STABILIZED BY OCTOBER PLACE A LIGHT COVERING OF MULCH.
 4. DISTURBED AREAS WITH SLOPES EXCEEDING 10% ARE TO BE STABILIZED THROUGH HYDROSEED, MULCHING, JUTE NETTING OR SODDING AS SOON AS WEATHER PERMITS.
 5. HYDROSEED MIX SHOULD CONSIST OF 50% OR GREATER ANNUAL MIX TO SPEED VEGETATIVE GROWTH. LIGHT FERTILIZATION AND OR LIMING OF UPLAND AREAS WOULD HASTEN REVEGETATION AND IS RECOMMENDED. NO LIMING OR FERTILIZATION IS RECOMMENDED WITHIN WETLAND OR INTERMITTENT STREAM BANK AREAS.

WETLAND INVASIVE SPECIES REMEDIATION PLAN:

1. INVASIVE SPECIES SHALL BE REMOVED FROM WETLAND AND INTERMITTENT STREAM BANK AREA. WORK TO BE INSPECTED BY A QUALIFIED WETLAND SPECIALIST.
 INVASIVE SPECIES OBSERVED TO BE PRESENT INCLUDE:
 - COMMON BUCKTHORN - ASIATIC BITTERSWEET - MULTI-FLORA ROSE
 ANY ADDITIONAL INVASIVES WHICH MAY BE IDENTIFIED AS PRESENTS ON-SITE SHALL BE REMOVED. COMMON SPECIES INCLUDE:
 - KNOT WEED - BURNING BUSH - TARTARYAN HONEYSUCKLE - NORWAY MAPLE
2. INVASIVES SHALL BE ELIMINATED FROM WETLAND AREA USING THE 'CUT & DAB' METHOD AS FOLLOWS:
 A) CHEMICAL HERBICIDE MUST BE GLYPHOSATE BASED SUCH AS ROUNDUP, RODEO OR AS APPROVED BY OBSERVING WETLAND SPECIALIST.
 B) INVASIVE PLANT SHALL BE CUT ABOVE THE ROOT AND HERBICIDE APPLIED USING A FOAM APPLICATOR SATURATED WITH THE CHOSEN GLYPHOSATE BASED HERBICIDE ALLOWING A TARGETED APPLICATION WITH LESS RISK OF IMPACT TO DESIRABLE PLANTS.
 C) CUT PLANTS SHALL BE PLACED IN BLACK PLASTIC BAGS, REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

WETLAND RESTORATION AND PLANTING PLAN:

1. DEBRIS, TRASH AND DUMPED LANDSCAPING REFUSE SHALL BE REMOVED FROM WETLAND VICINITY, LIMITS AS IDENTIFIED ON PLAN.
 2. ADDITIONAL NATIVE SPECIES AS WELL AS REPLACEMENT SHRUBS AND PLANTINGS SHALL BE PLACED WITHIN SAME LIMITS, SPECIES AND SPACING AS INDICATED IN SCHEDULE BELOW:
- | SHRUBS | SIZE | SPACING |
|--------------------------------------|--------|------------------------------|
| SWEET PEPPERBUSH (CLETHRA ALNIFOLIA) | 2 - 3' | 10' (AROUND PROMINENT TREES) |
| WINTERBERRY (LEX VERTICILLATA) | 2 - 3' | 10' (AROUND PROMINENT TREES) |
- HERBACEOUS PLANTS:**
- | | | |
|-------------------------------------|--------|--------------------------------|
| SENSITIVE FERN (ONOCLEA SENSIBILIS) | 1 - 2' | 4' - 6' (LOW LAYING WET AREAS) |
| CINNAMON FERN (OSMUNDA CINNAMONEA) | 1 - 2' | 4' - 6' (LOW LAYING WET AREAS) |
- GROUND COVER:**
 NEW ENGLAND WETMIX (OR EQUAL) 1 LB/10,000 SF
- ALL SEED MIXES CAN BE PURCHASED FROM: NEW ENGLAND WETLAND PLANTS 413-548-8000
3. PLANTING WITHIN WETLAND AREA IS LIMITED TO THE MONTHS OF APRIL THROUGH OCTOBER.

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.

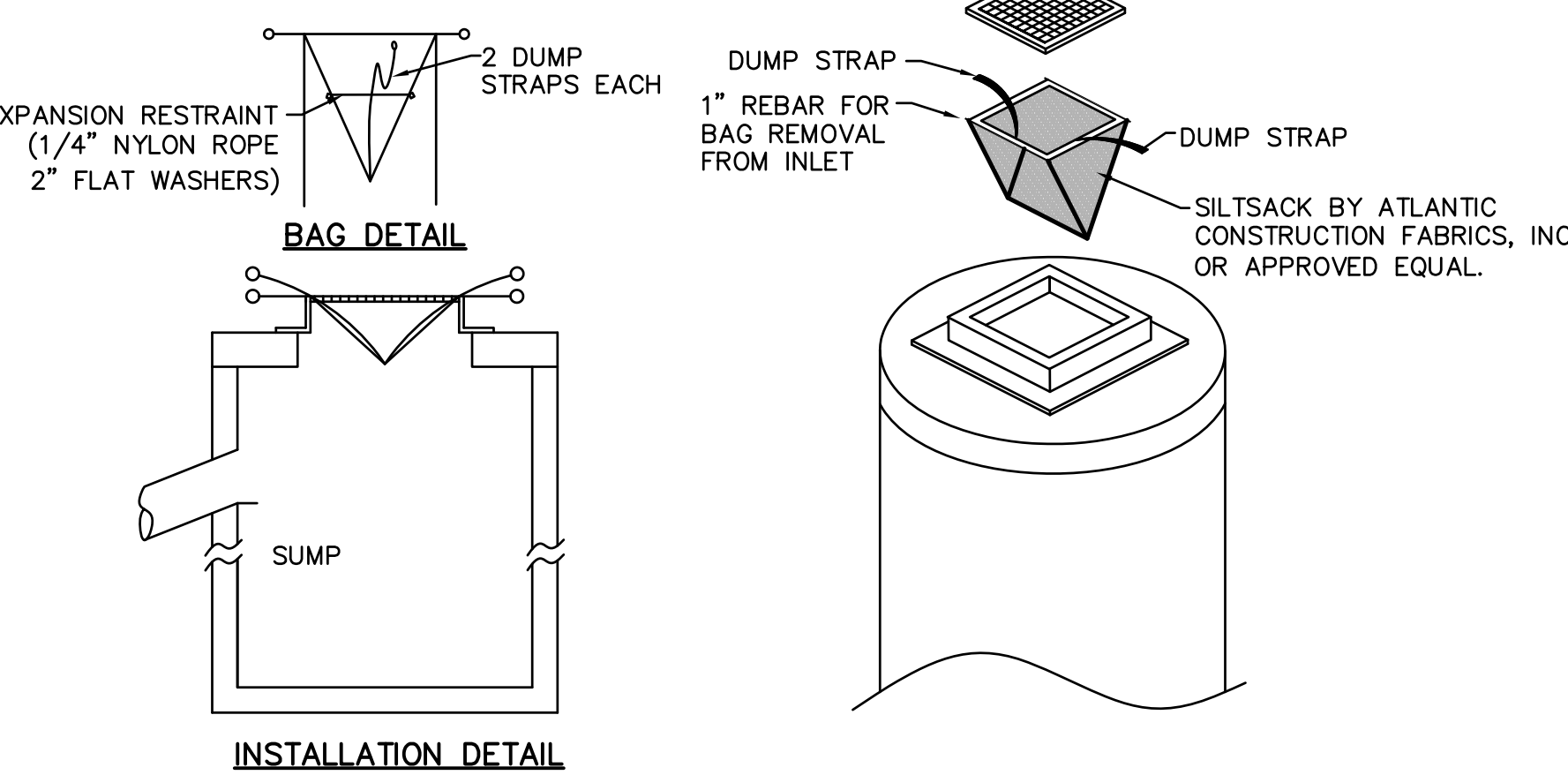
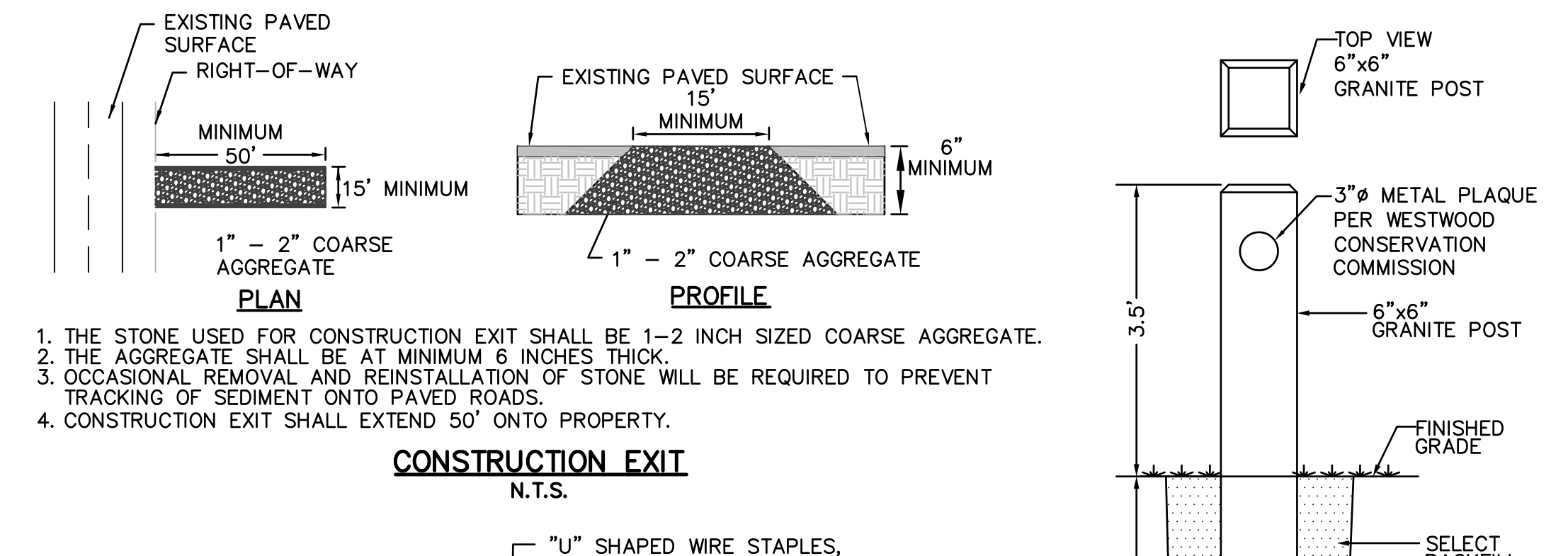
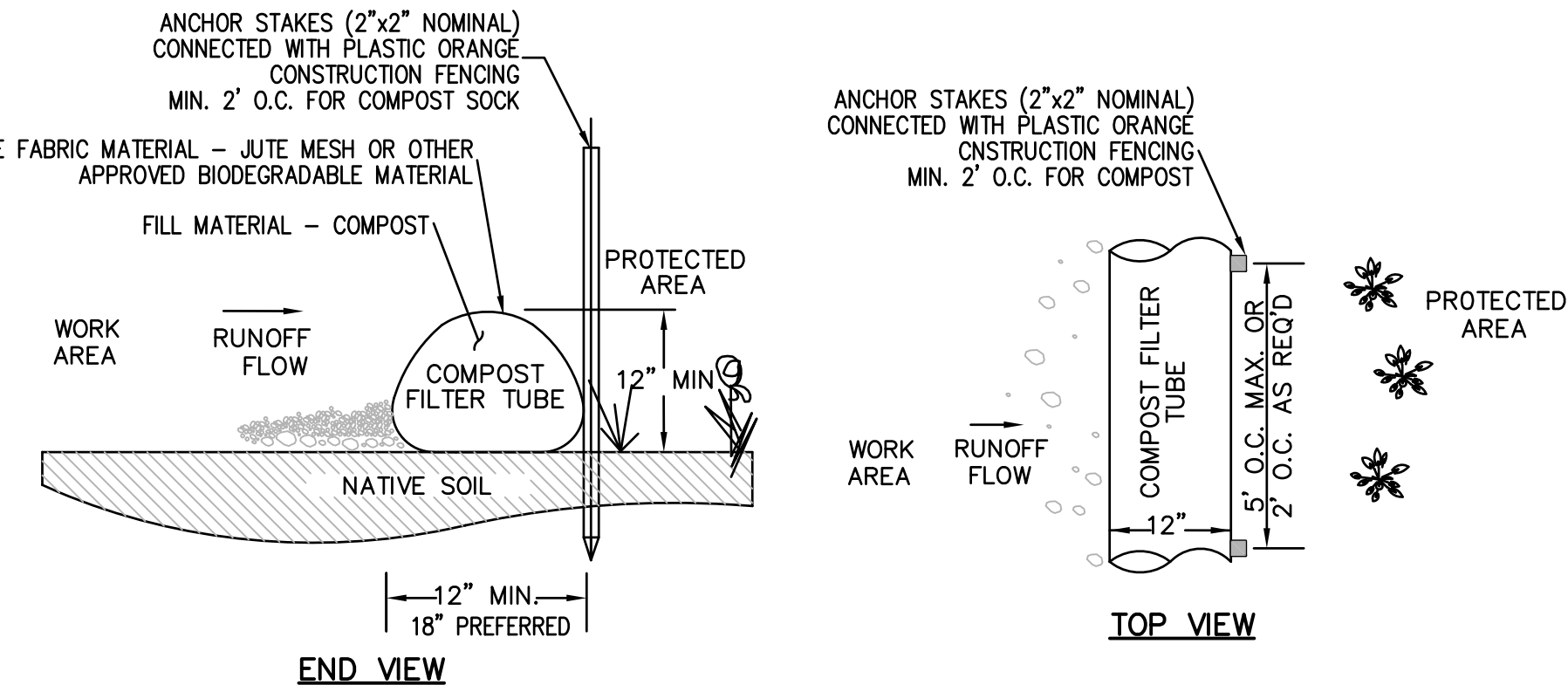
ALL SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE INSPECTED DURING CONSTRUCTION ON A DAILY BASIS AND FOLLOWING ALL STORMS BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN AND MAKE REPAIRS AND REMOVE SEDIMENT AS REQUESTED BY THE RESIDENT ENGINEER. THIS WORK SHALL BE PERFORMED WITHIN 24 HOURS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

THE CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS FROM 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.

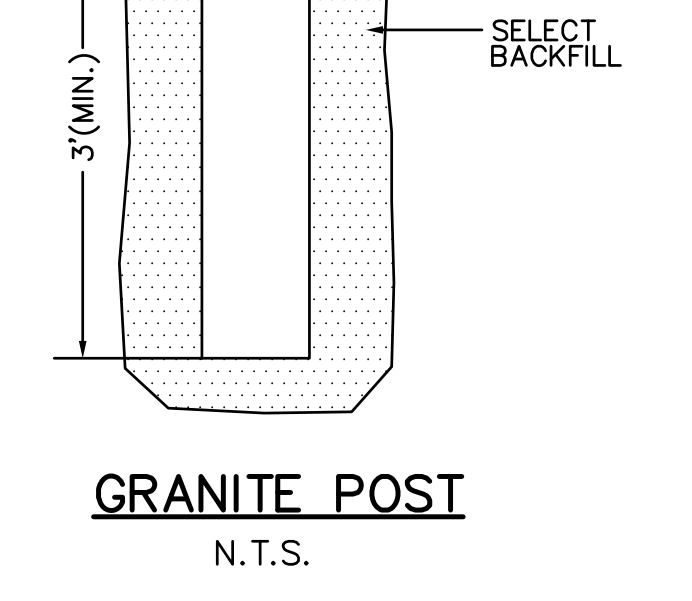
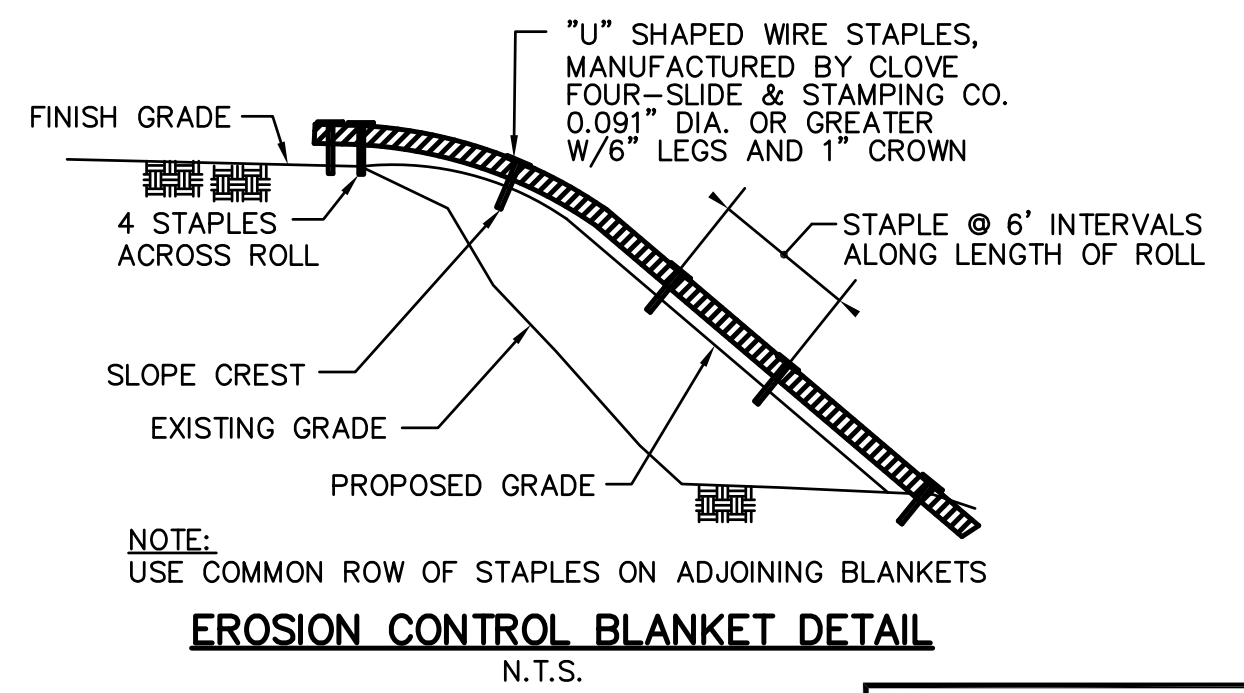
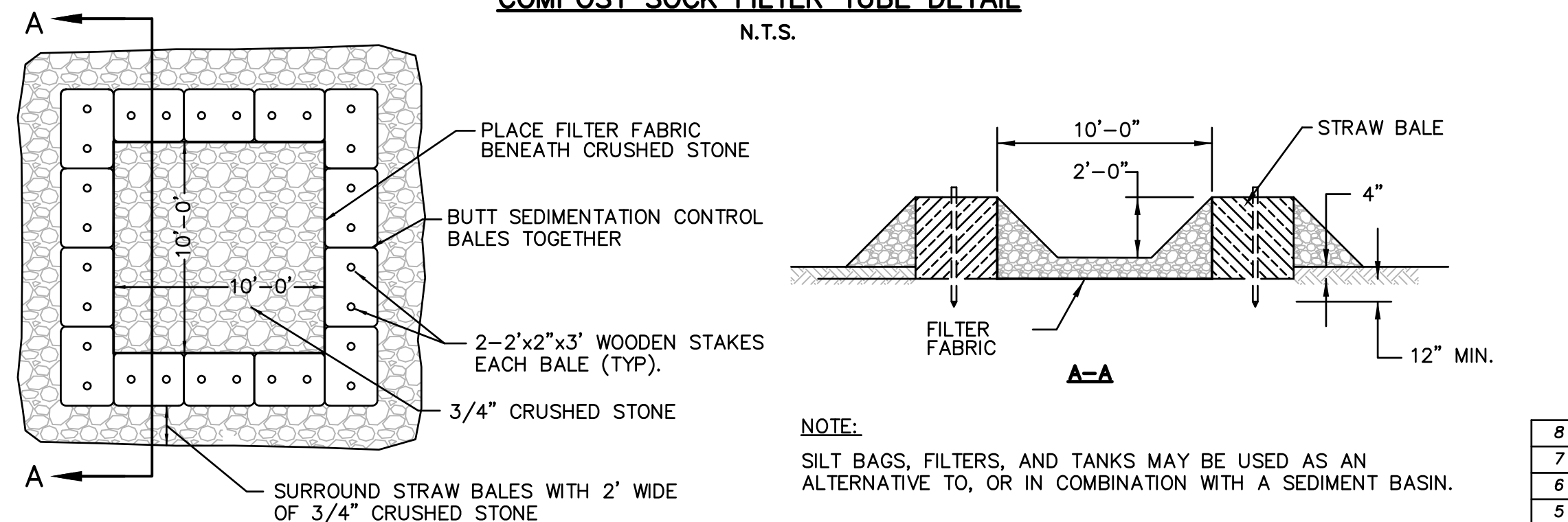
CONTRACTOR TO PERFORM STREET SWEEPING AT THE END OF EACH WORK DAY.

PLAN SCALE: 1" = 10'



- 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, 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 TUBE DETAIL



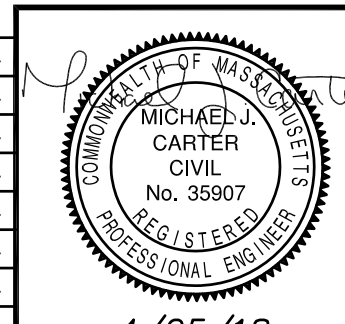
PROPOSED EROSION CONTROL & CONSERVATION PLAN
 ISLINGTON VILLAGE
 WESTWOOD, MA
 NORFOLK COUNTY

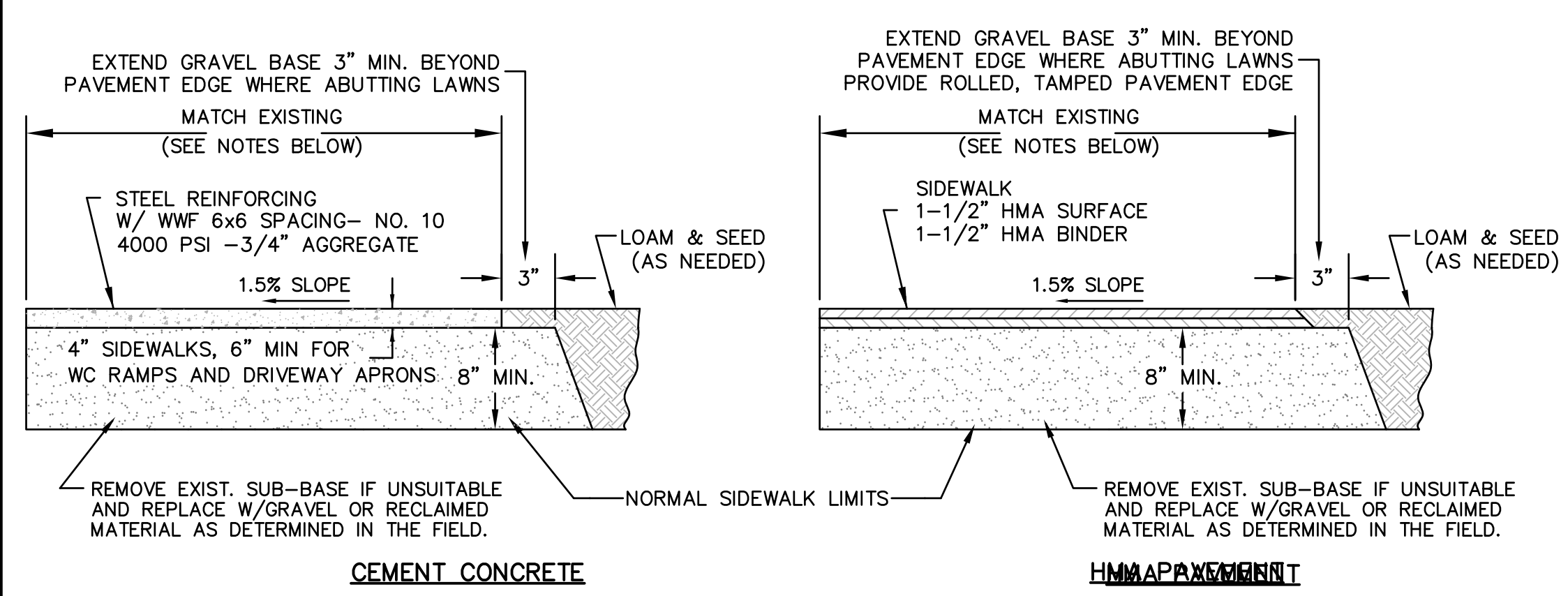
GCG ASSOCIATES, INC.
 WILMINGTON MASSACHUSETTS

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

JOB NO. \FILE NAME: 1753-COVER_DETAILS DESIGNED BY: T.C.M. PLAN NO. C-12 OF 20
 DRAWN BY: S.B.H. CHECKED BY: M.J.C.

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8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
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1	1/2/18	CONSERVATION - NOI	S.B.H.

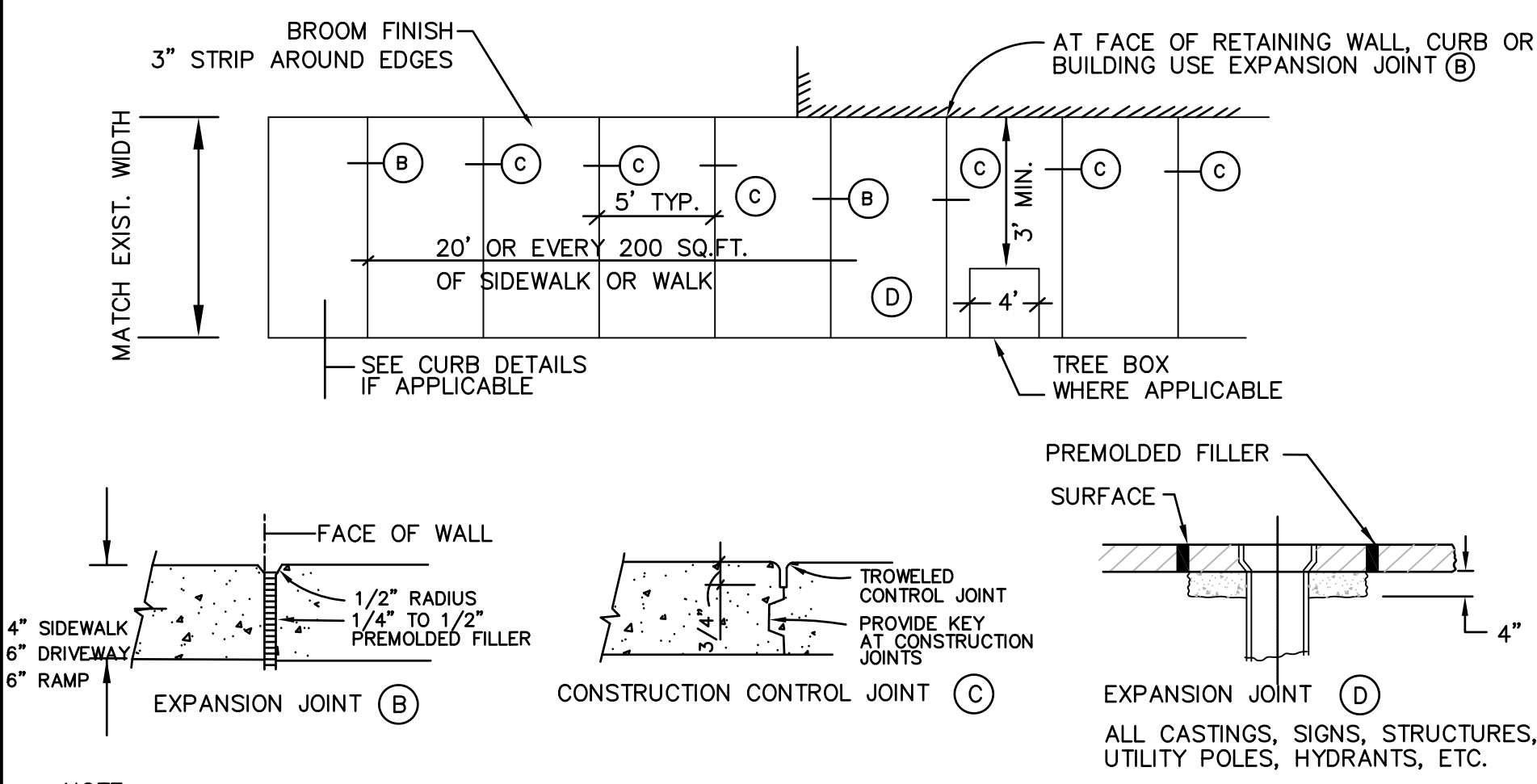




NOTES:

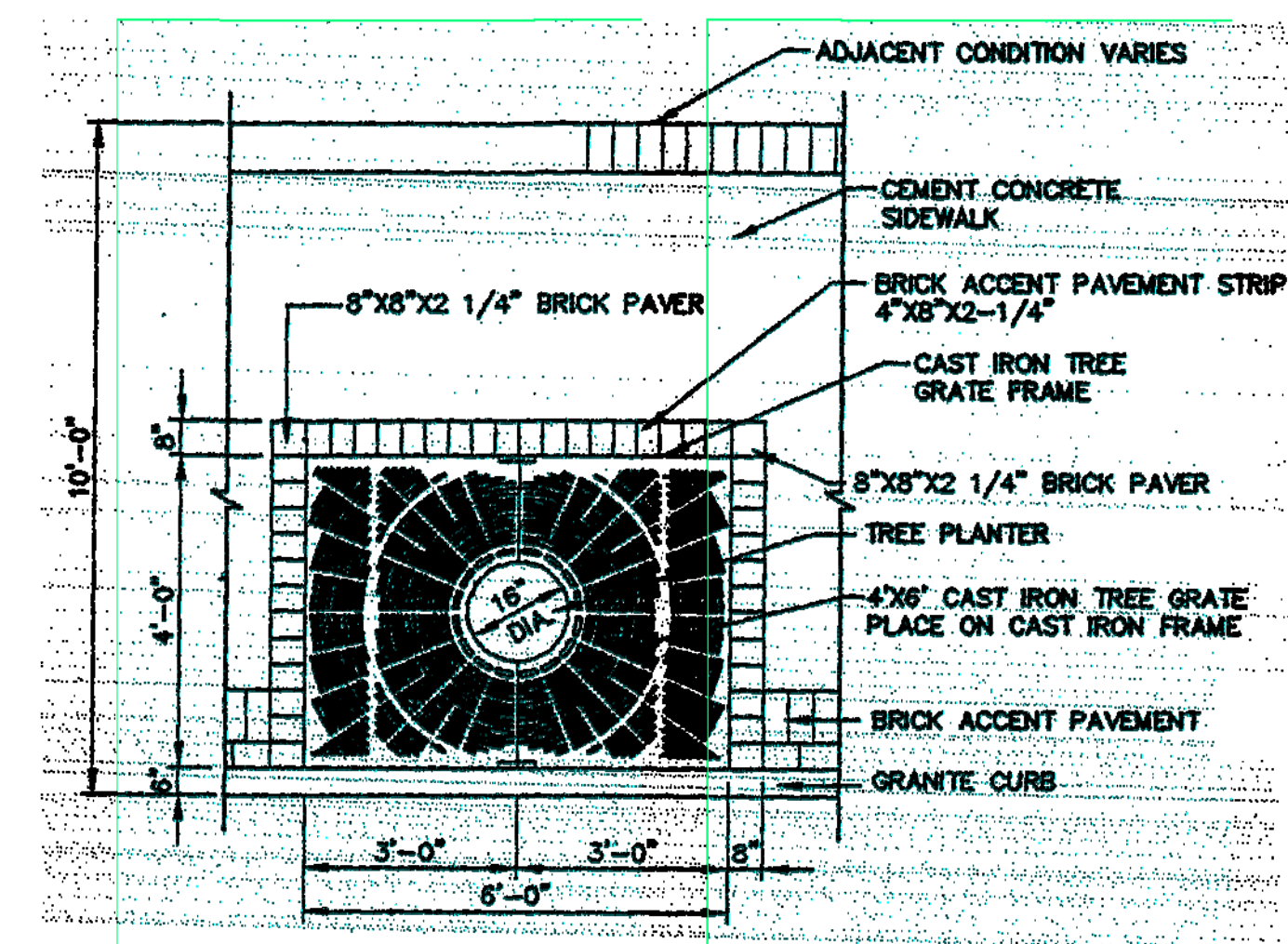
- GRAVEL IN AREAS OF EXISTING SIDEWALKS WHICH ARE BEING REMOVED OR REPLACED IN THE SAME LOCATION SHALL BE REGRADED AND SUPPLEMENTAL GRAVEL ADDED. ADDITIONAL GRAVEL REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE.
- EXCAVATION AND PLACEMENT OF GRAVEL REQUIRED FOR NEW SIDEWALKS, WIDENING SIDEWALKS AND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

SIDEWALK DETAIL
N.T.S.

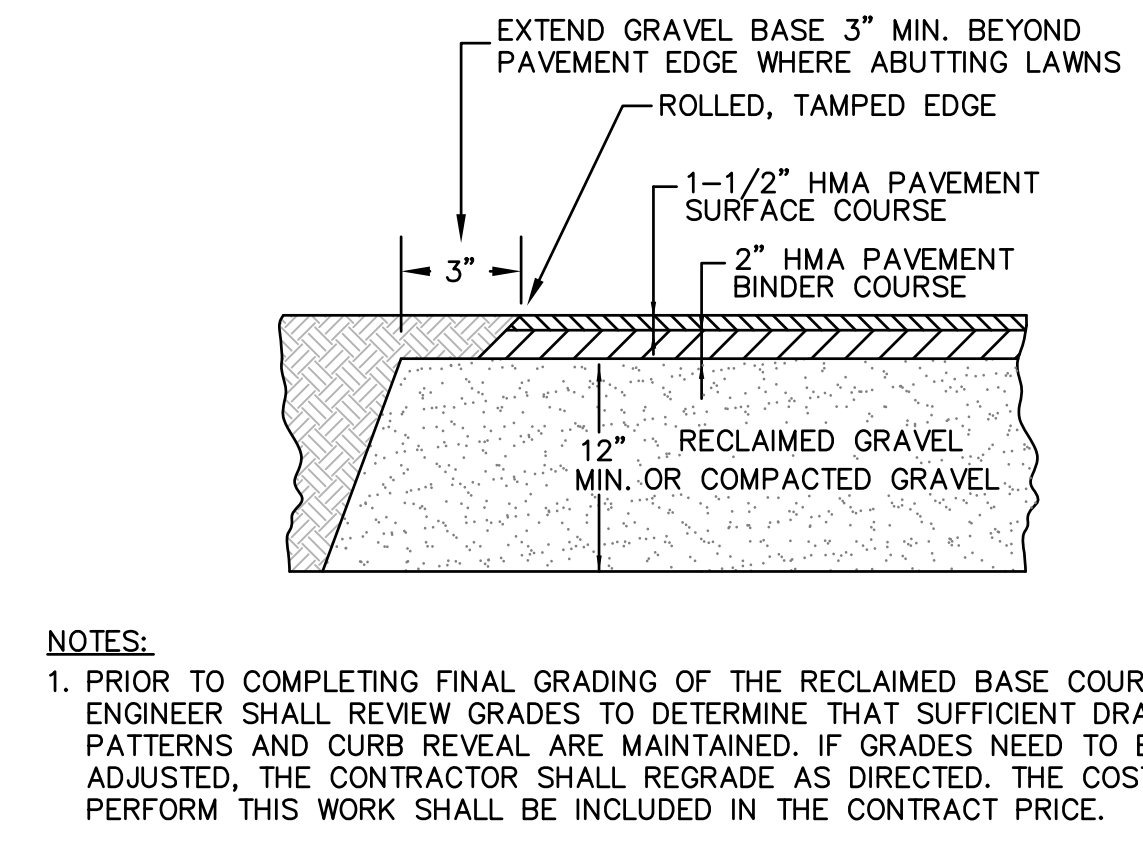


- NOTE:**
- EXPANSION JOINT PREMOLDED FILLER SHALL BE 1/4" TO 1/2" THICK AND CUT TO APPROPRIATE HEIGHT SO FIELD CUTTING IS NOT REQUIRED.
 - SELF-LEVELING SILICONE JOINT SEALANT SHALL BE PLACED AT EXPANSION JOINTS OVER PREMOLDED FILLER.

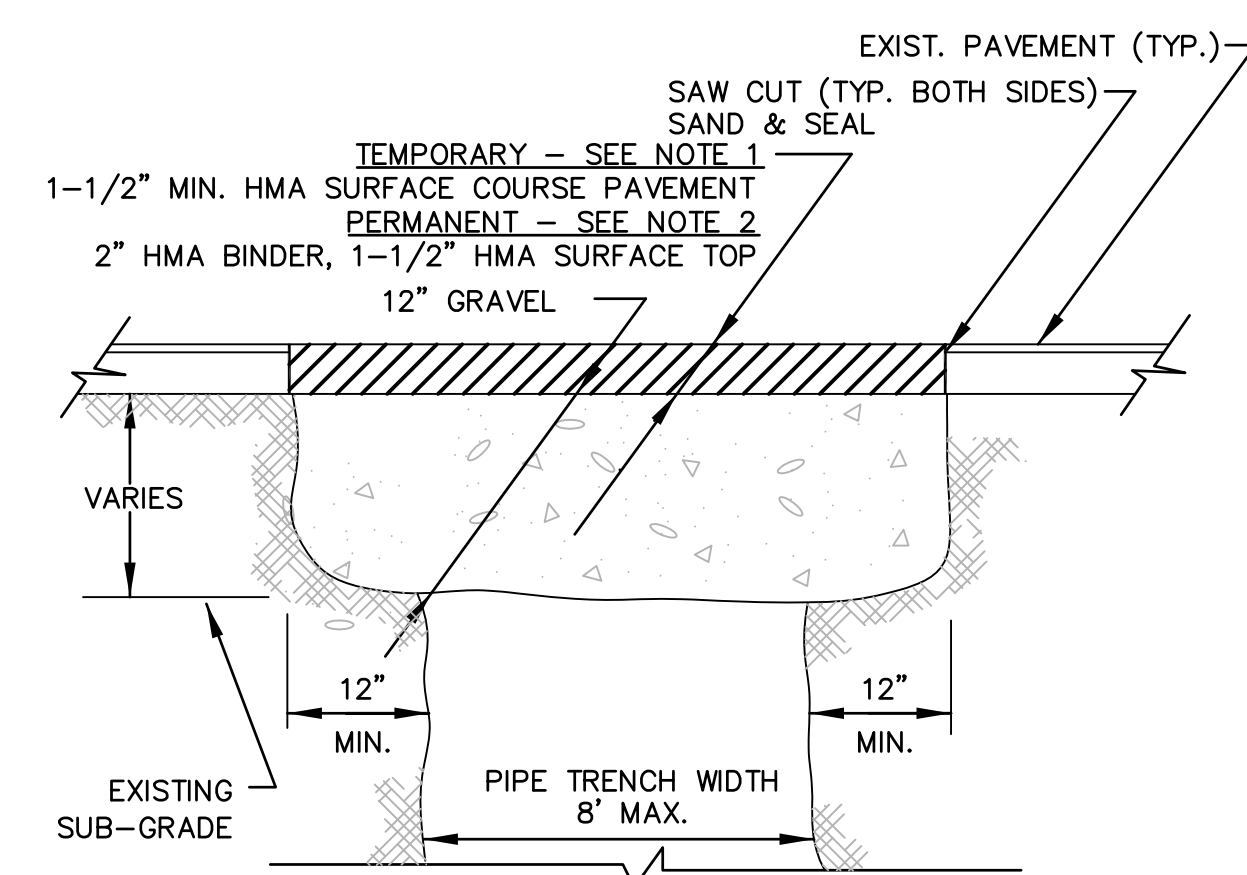
TYPICAL CEMENT CONCRETE SIDEWALK PLAN
N.T.S.



TREE GRATE
NOT TO SCALE



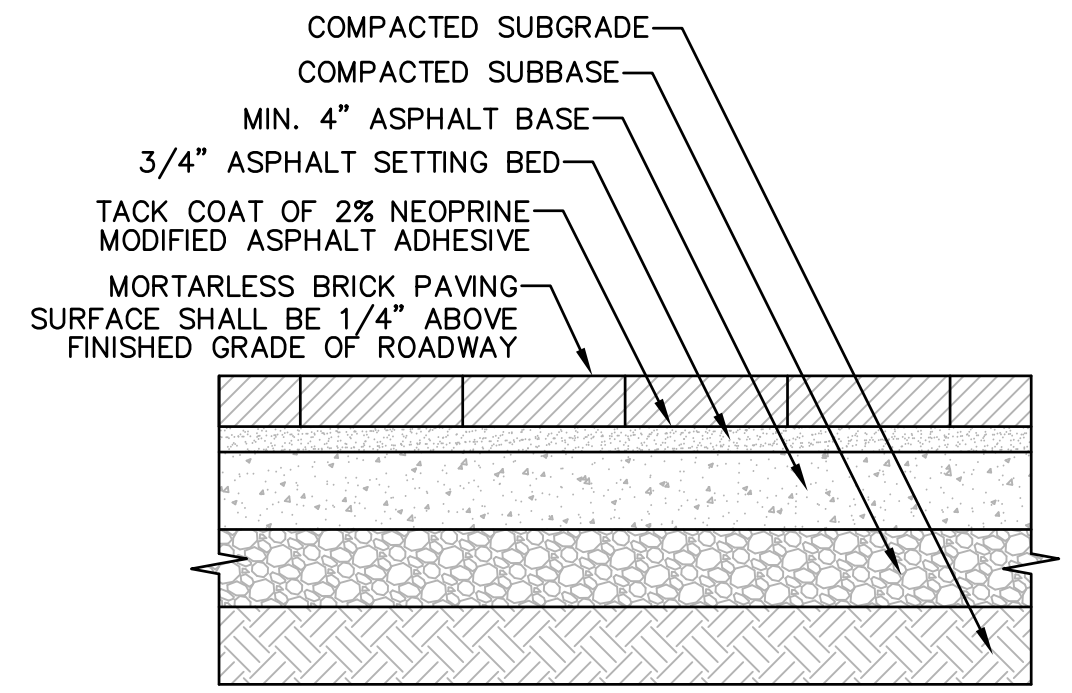
TYPICAL DRIVEWAY & PARKING PAVEMENT SECTION
N.T.S.



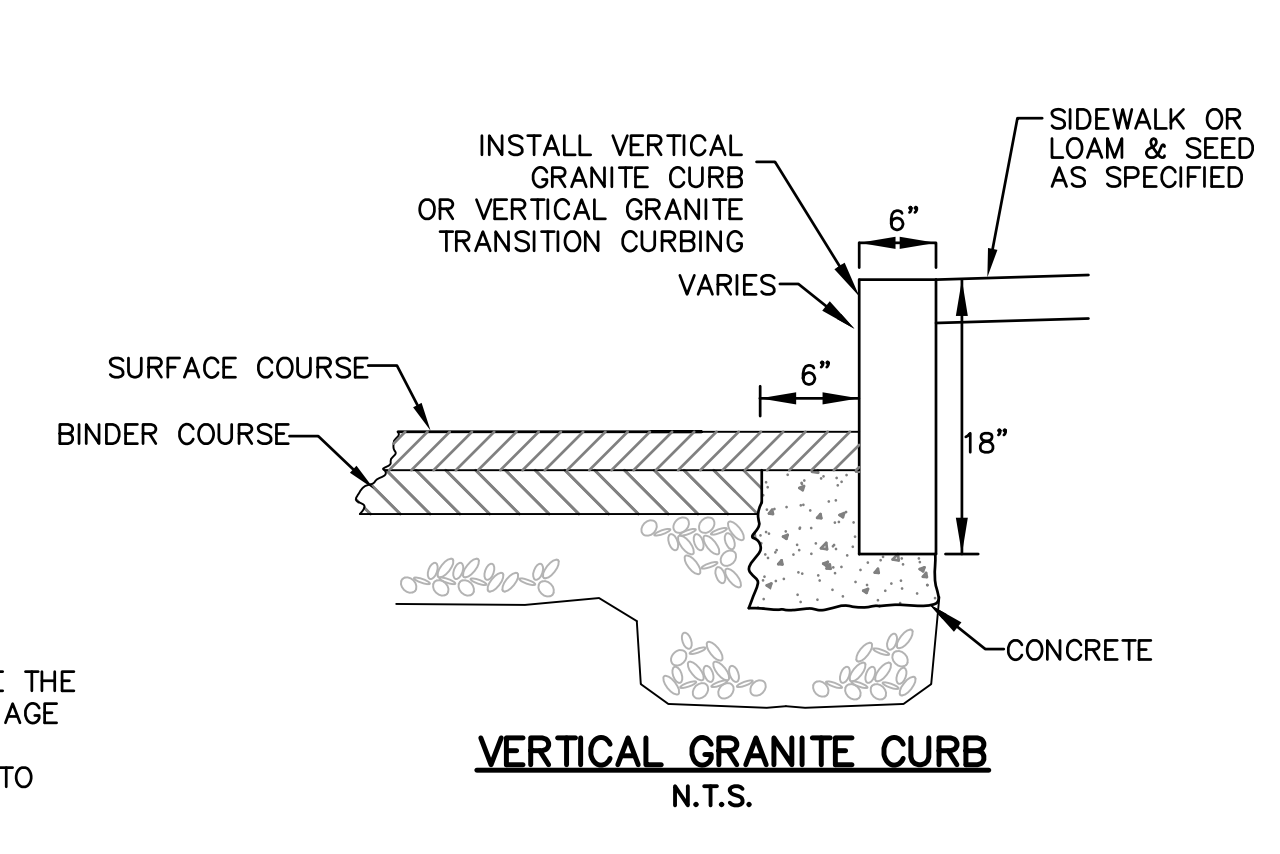
TRENCH DETAIL NOTES:

- 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.
- 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.
- 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.
- TRENCHES WILL BE JETTED OR MECHANICALLY COMPACTED AS DETERMINED BY THE ENGINEER. ALL TRENCHES WILL BE COMPACTED TO 95% COMPACTION.
- 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.
- THE CONTRACTOR SHALL BRACE AND SUPPORT ALL UTILITIES CROSSED OR ADJACENT TO THE UTILITY CONSTRUCTION AS NECESSARY.
- THE CONTRACTOR SHALL PAVE AND REPAIR ALL CURBING, SIDEWALKS, PARKING, FENCES AND ROADS DISTURBED DURING CONSTRUCTION.
- THE CONTRACTOR WILL REMOVE AND REPLACE ALL PAVEMENT DAMAGED DURING THE INSTALLATION OF THE PROPOSED UTILITY.
- THE CONTRACTOR SHALL RESTRIPE THE PAVEMENT MARKINGS AS NECESSARY.
- THE CONTRACTOR SHALL LOAM AND SEED ALL DISTURBED AREAS.

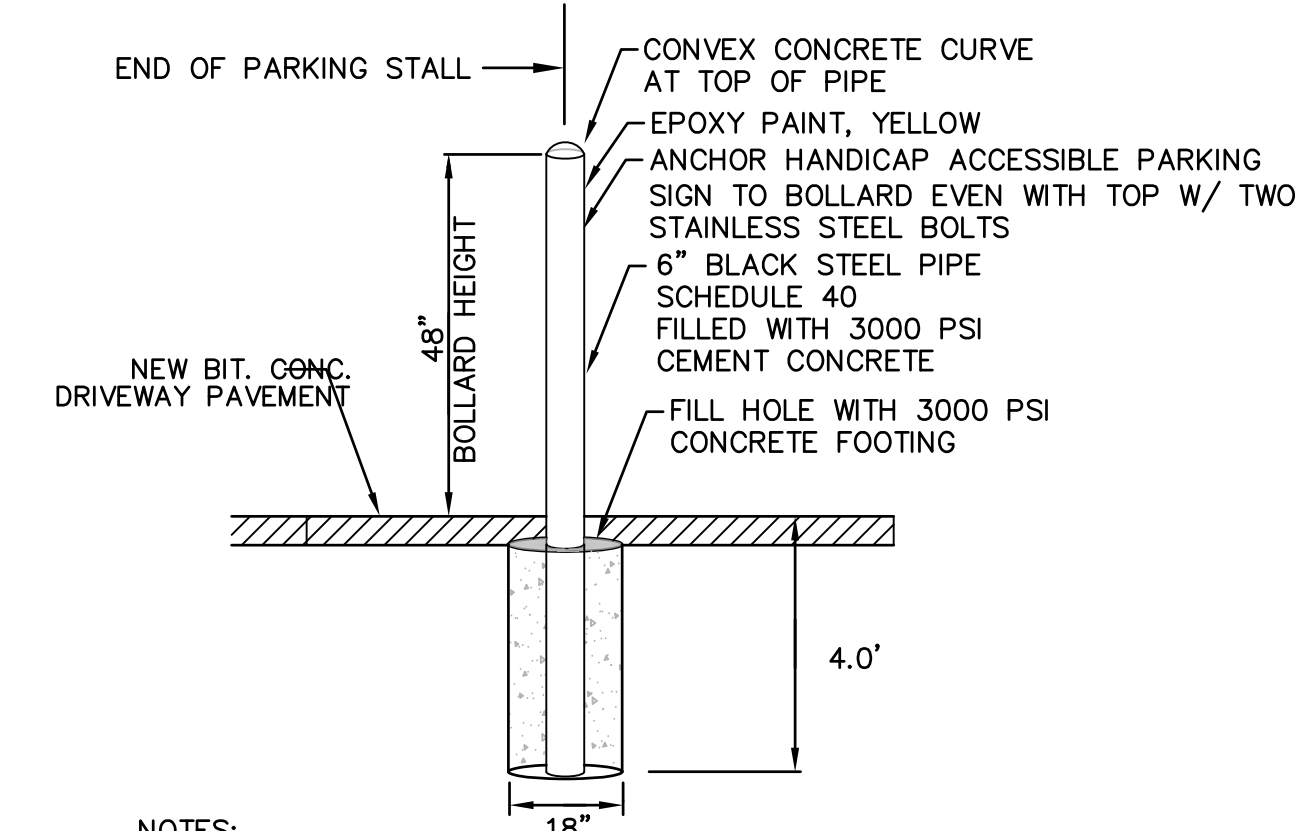
TRENCH PAVEMENT DETAIL (TEMPORARY AND PERMANENT)
N.T.S.



DECORATIVE CROSSWALK PAVING DETAIL
NOT TO SCALE
NOTE: SEE SPECIFICATIONS

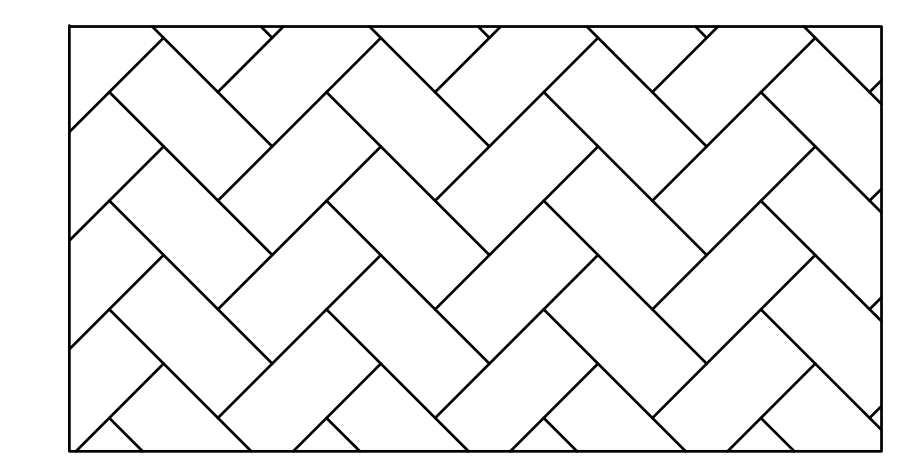


VERTICAL GRANITE CURB
N.T.S.

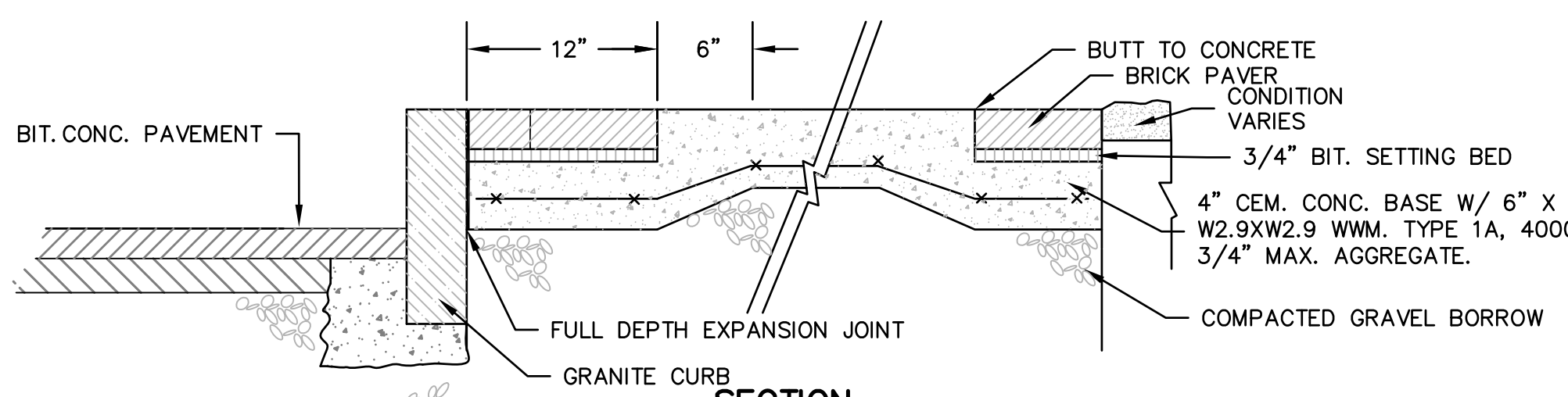


BOLLARD DETAIL
N.T.S.

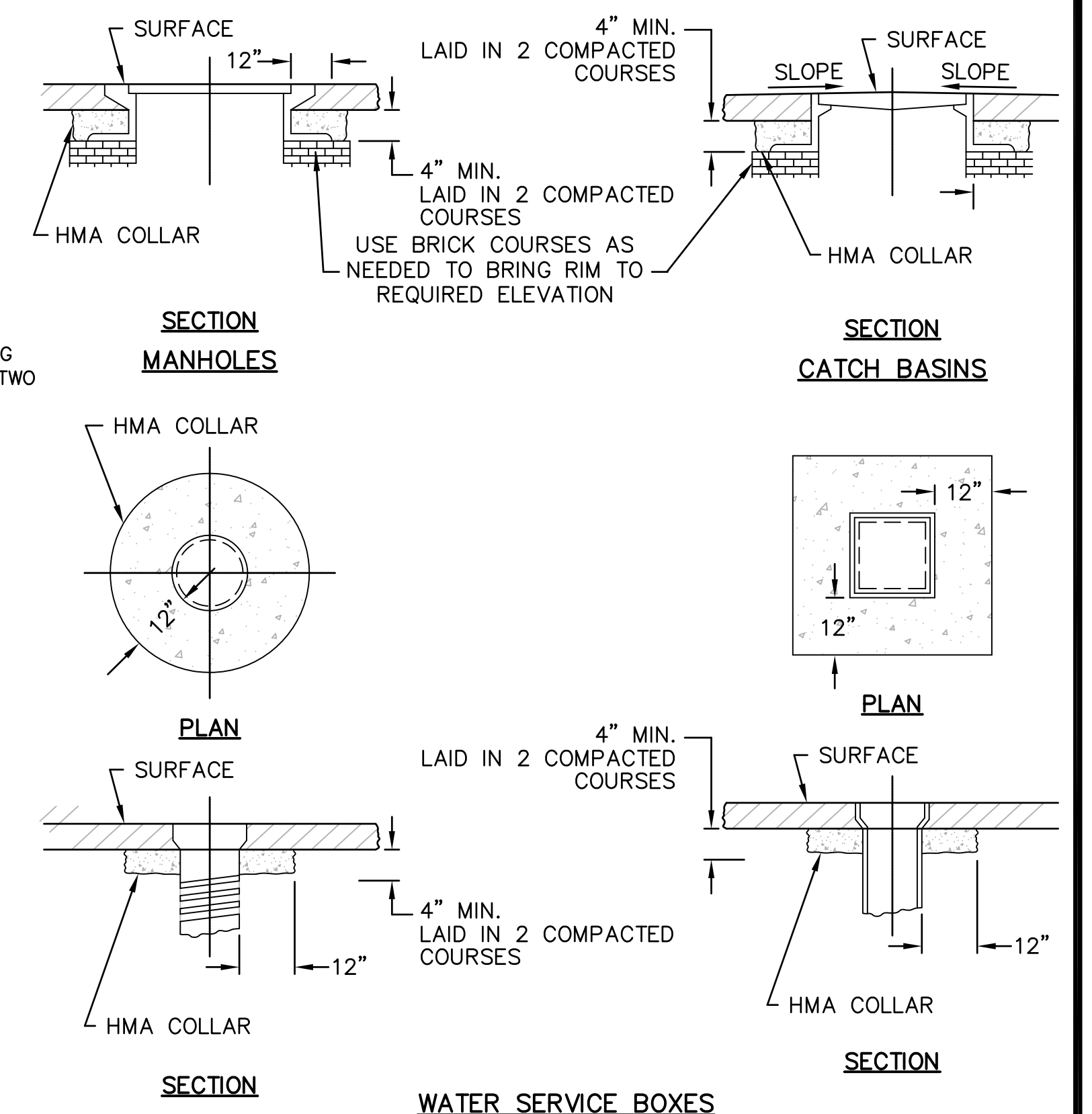
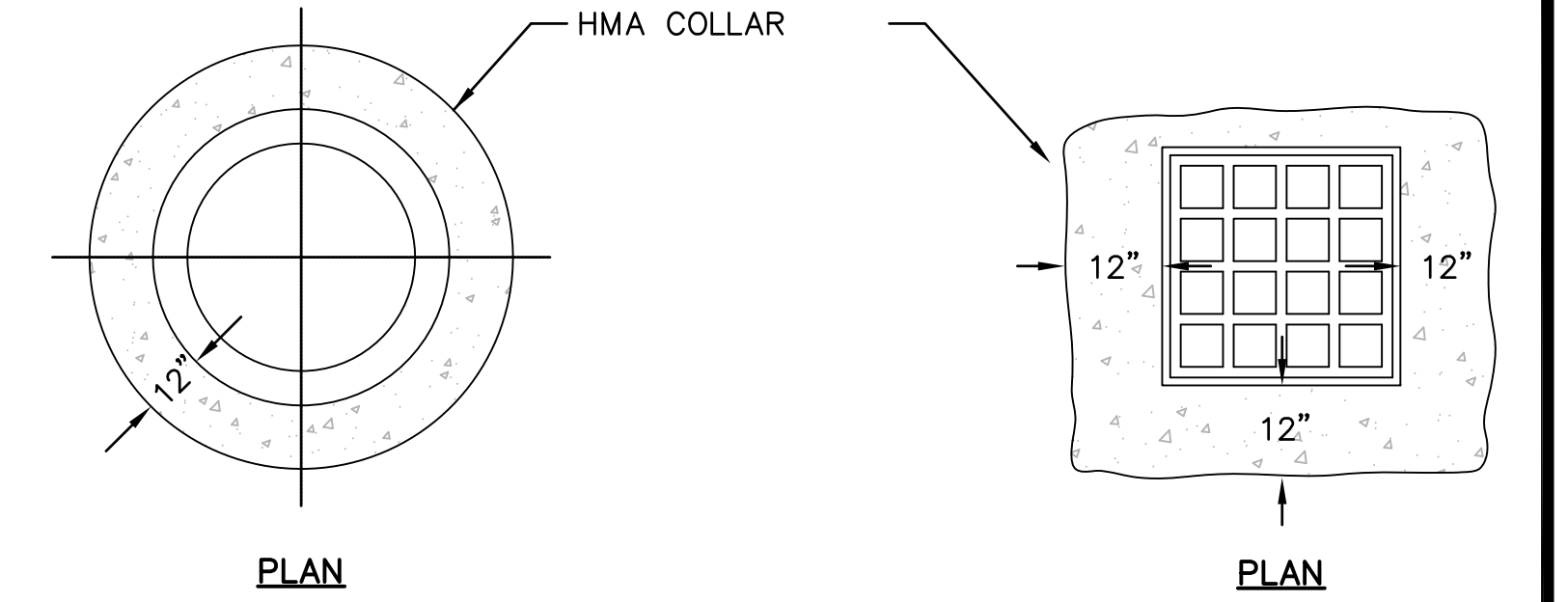
- NOTES:**
- FABRICATE BOLLARDS FROM STANDARD BLACK STEEL PIPE SCHEDULE 40.
 - INSTALL BOLLARDS AS SPECIFIED AT LOCATIONS AS SHOWN ON DRAWINGS
 - CONCRETE BASE FOOTING FOR BOLLARD SHALL NOT BE LESS THAN 4" LARGER THAN BOLLARD DIAMETER
 - AFTER INSTALLATION FILL PIPE WITH 3000 PSI CONCRETE AND PROVIDE A SMOOTH CONVEX CURVE AT THE TOP OF PIPE
 - ANCHOR ACCESSIBLE PARKING SIGN AS REQUIRED



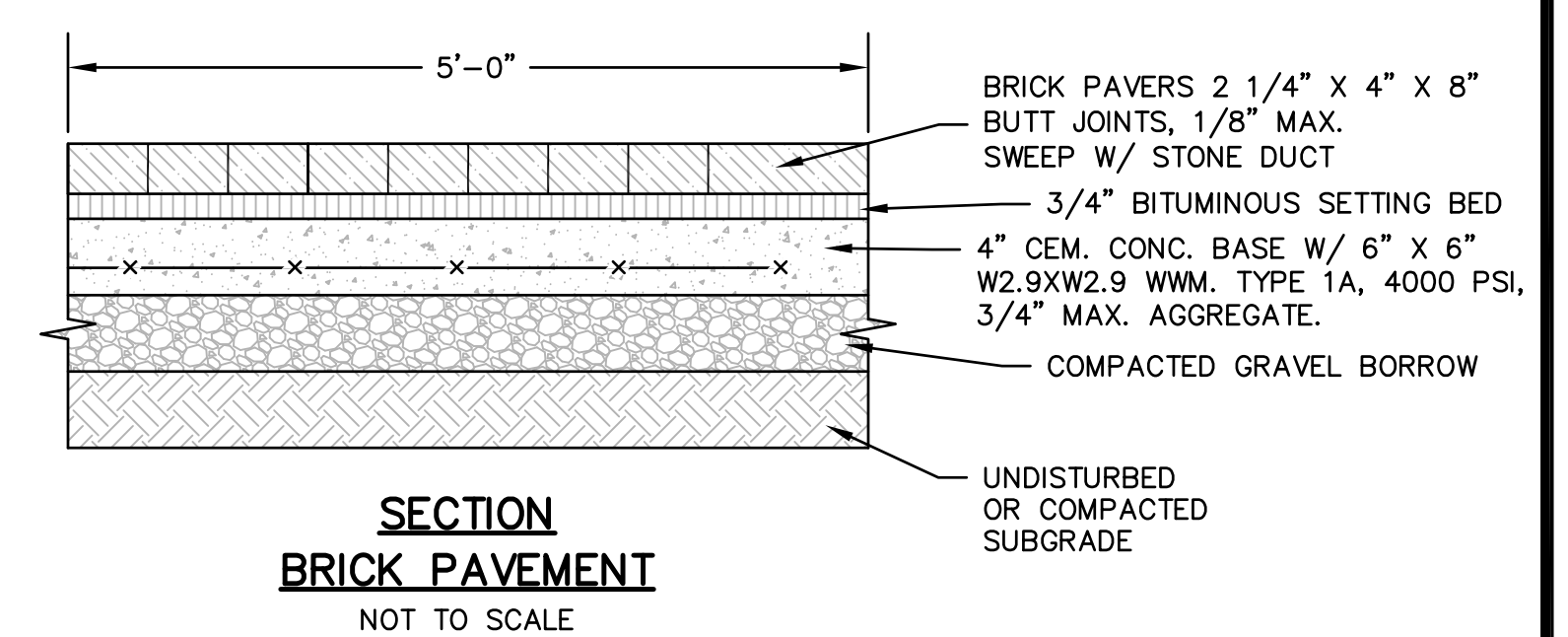
DECORATIVE CROSSWALK BRICK PAVING
PATTERN - HERRINGBONE
NOT TO SCALE



SECTION
BRICK ACCENT PAVEMENT - CENTER
NOT TO SCALE



DETAILS FOR RAISING CASTINGS
N.T.S.



SECTION
BRICK PAVEMENT
NOT TO SCALE

DETAIL SHEET 1

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

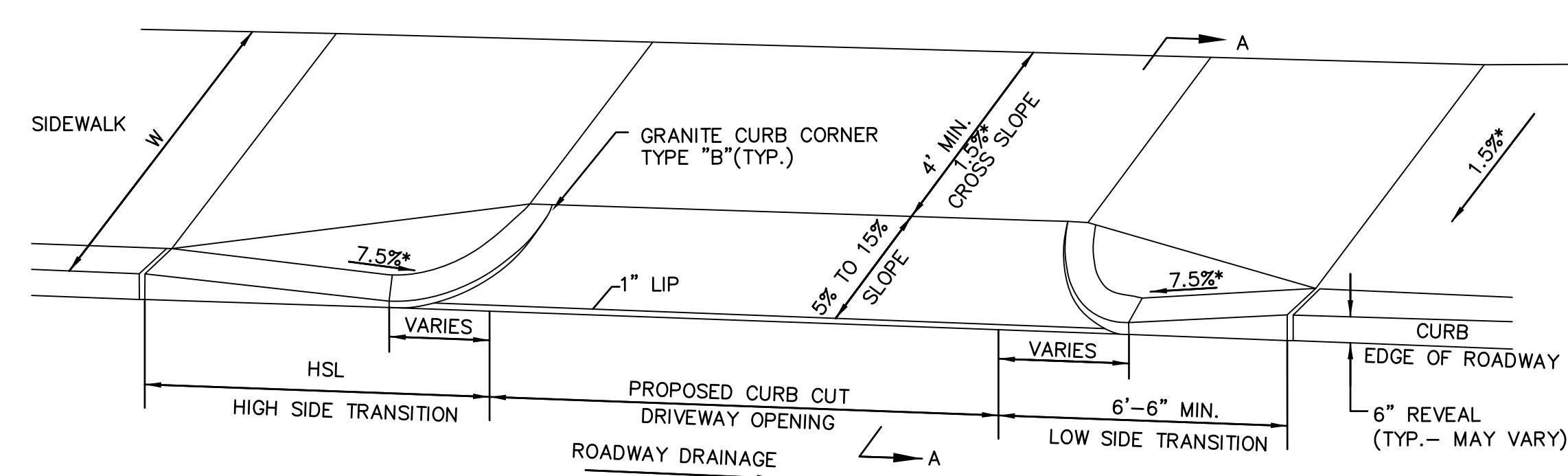
GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

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

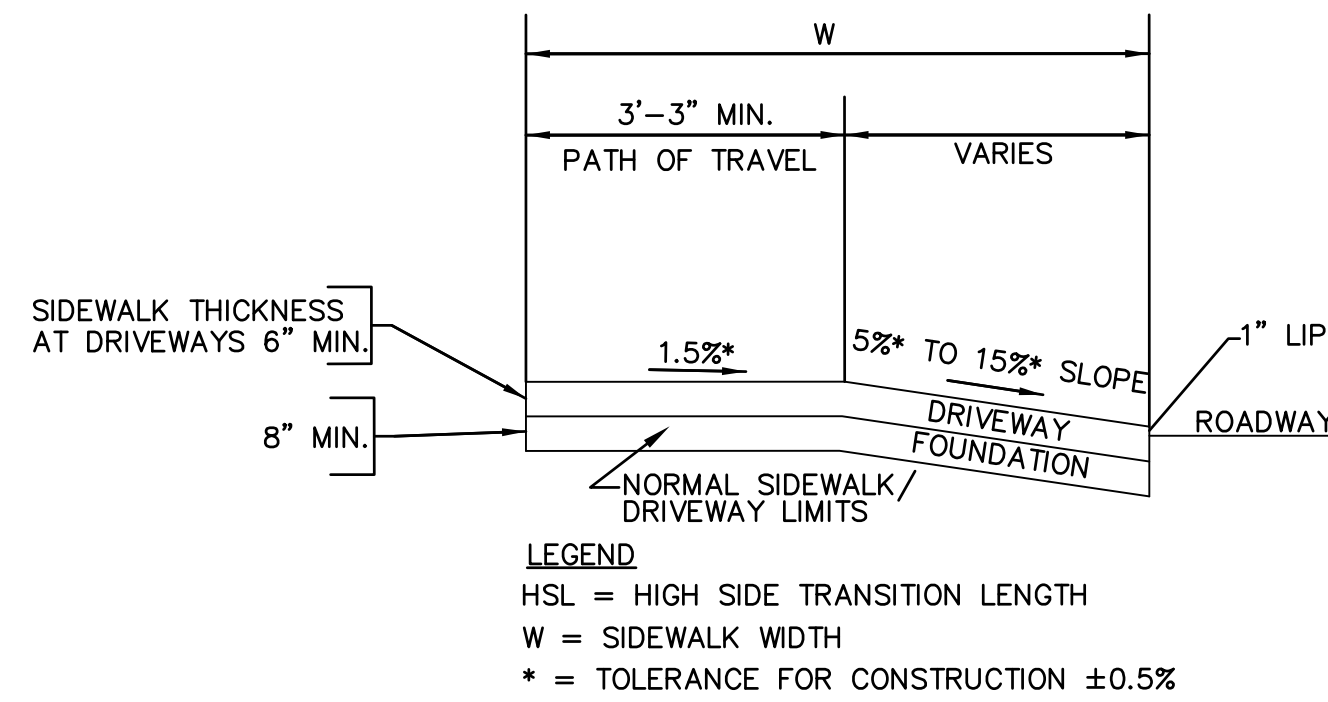
JOB NO. \ FILE NAME:	DESIGNED BY: S.B.H.	PLAN NO.
1753-COVER_DETAILS	DRAWN BY: S.B.H.	C-13 of 20
	CHECKED BY: M.J.C.	

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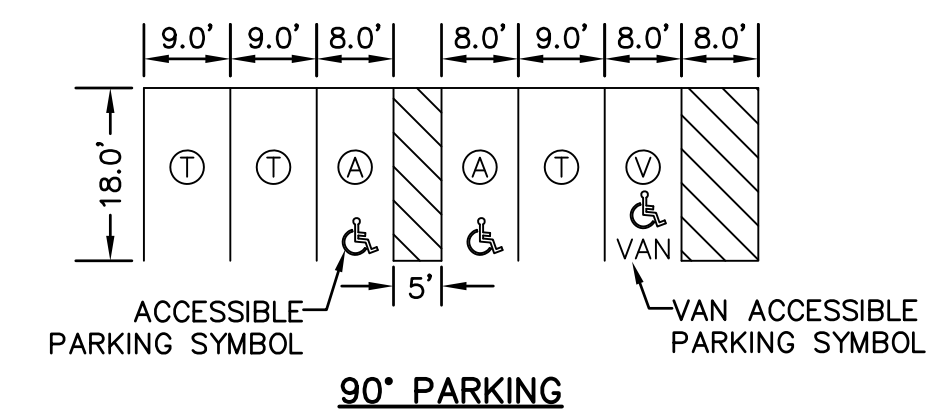




TYPICAL CURB CUT DRIVEWAY AT TOWN SIDEWALK
N.T.S.



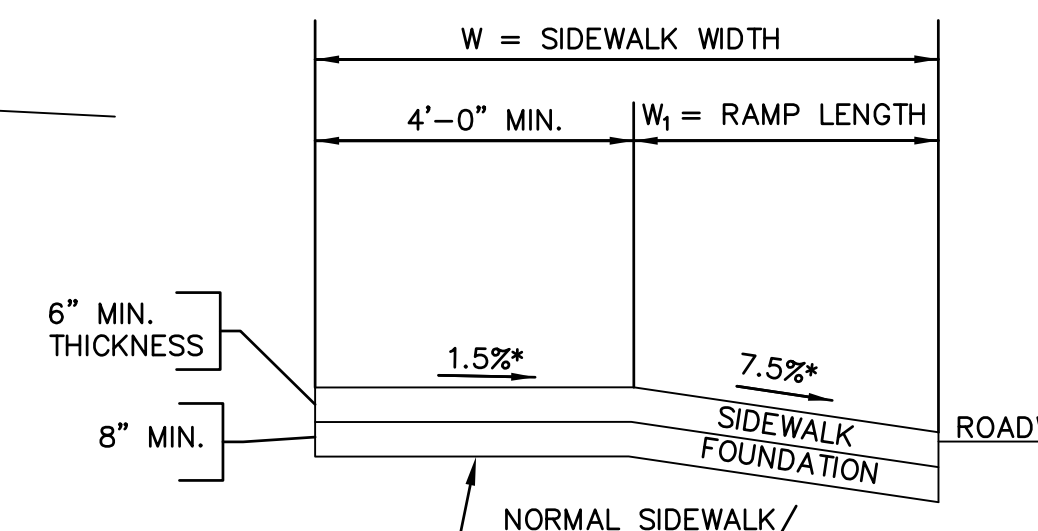
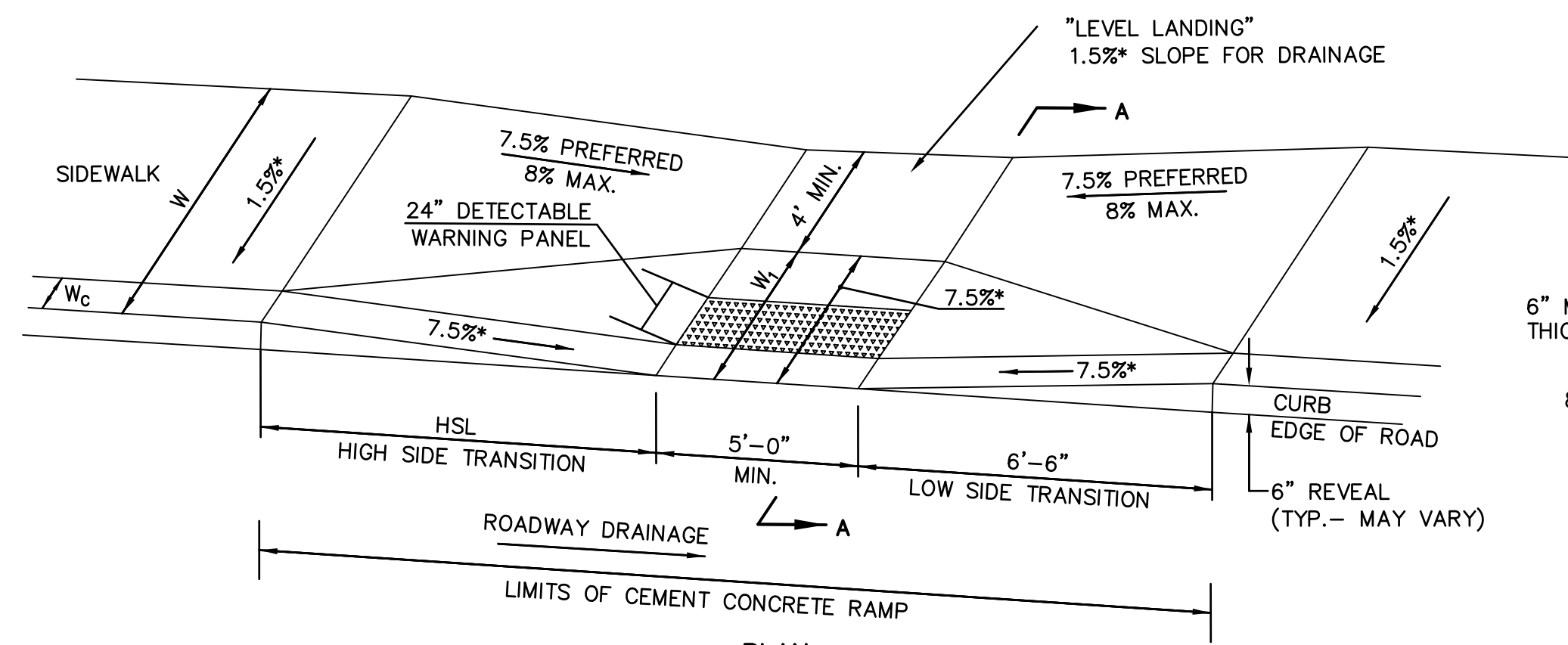
SECTION A-A



90° PARKING

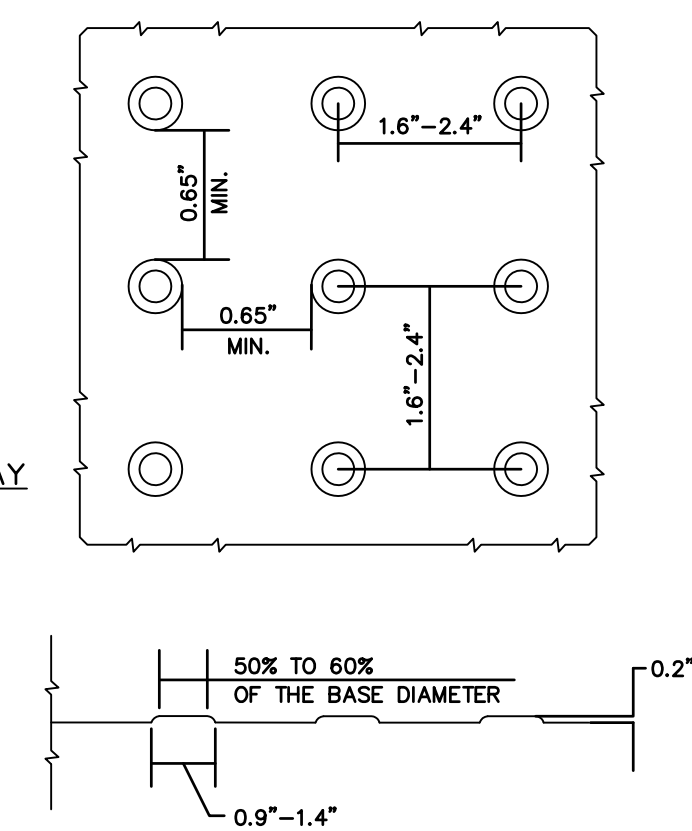
NOTES:
1. TYPICAL PARKING SPACE DIMENSIONS TO CORRESPOND WITH TOWN OF WESTWOOD, MASSACHUSETTS, PARKING DESIGN STANDARDS.
2. VAN ACCESSIBLE SPACES MUST HAVE AN 8' WIDE ACCESS AISLE.
3. ALL OTHER ACCESS AISLES SHALL BE 5' WIDE, MINIMUM.
4. TYPICAL PARKING STALLS SHALL BE 9' WIDE UNLESS NOTED ON THE PLANS.
5. ACCESSIBLE SPACES AND AISLES 2% MAX SLOPE IN ANY DIRECTION

TYPICAL LINE STRIPING DETAIL
NOT TO SCALE



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

SECTION A-A



STAMPED CONCRETE DETECTABLE WARNING PANEL
N.T.S.

DETAIL NOTES:

- ALL HANDICAP RAMPS SHALL BE PORTLAND CEMENT CONCRETE 6" THICK.
- CURBING FOR ALL CONCRETE RAMPS SHALL BE VERTICAL GRANITE CURB.
- THE DIMENSIONS SHOWN AT ROADWAY EDGE ARE FIXED DISTANCES.
- RAMP CROSS SECTION TO BE SAME AS ADJACENT SIDEWALK; e.g DEPTH OF SURFACES.
- PORTLAND CEMENT CONCRETE RAMPS ARE TO BE TEXTURED BY BROOMING IN A DIRECTION PARALLEL TO THE LENGTH OF THE RAMP.
- 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".

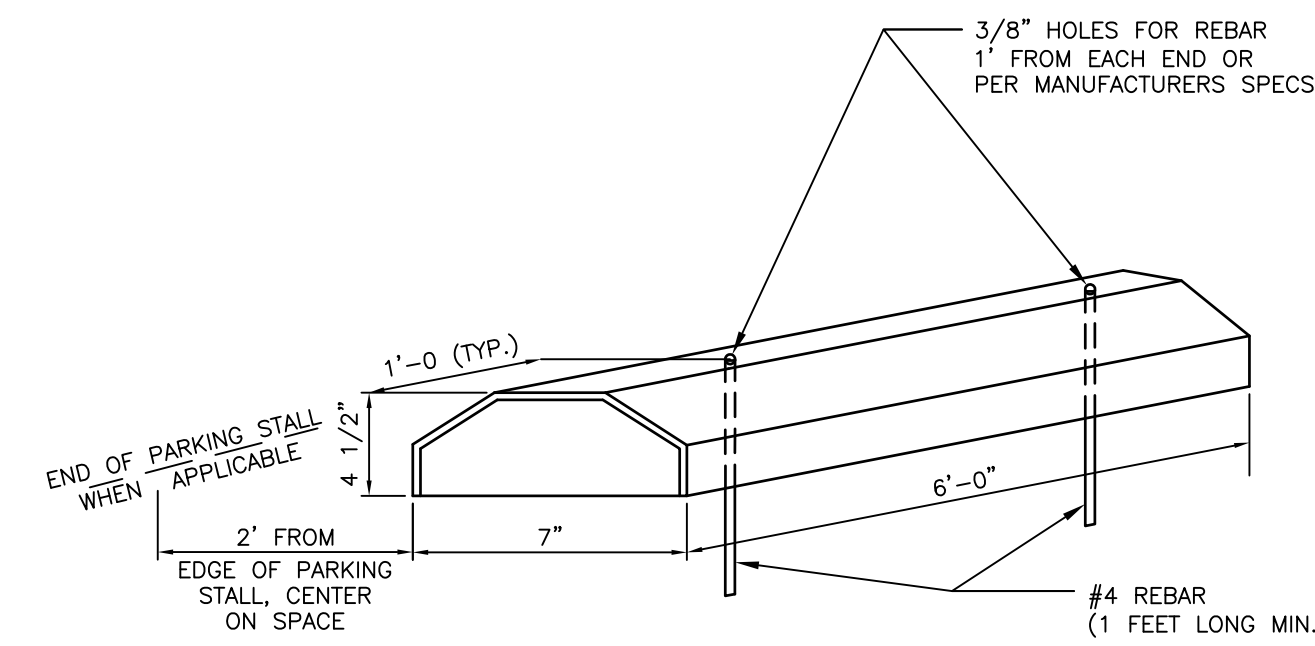
CURB TRANSITION LENGTH FOR WHEELCHAIR RAMPS

WHEELCHAIR RAMP NOTES

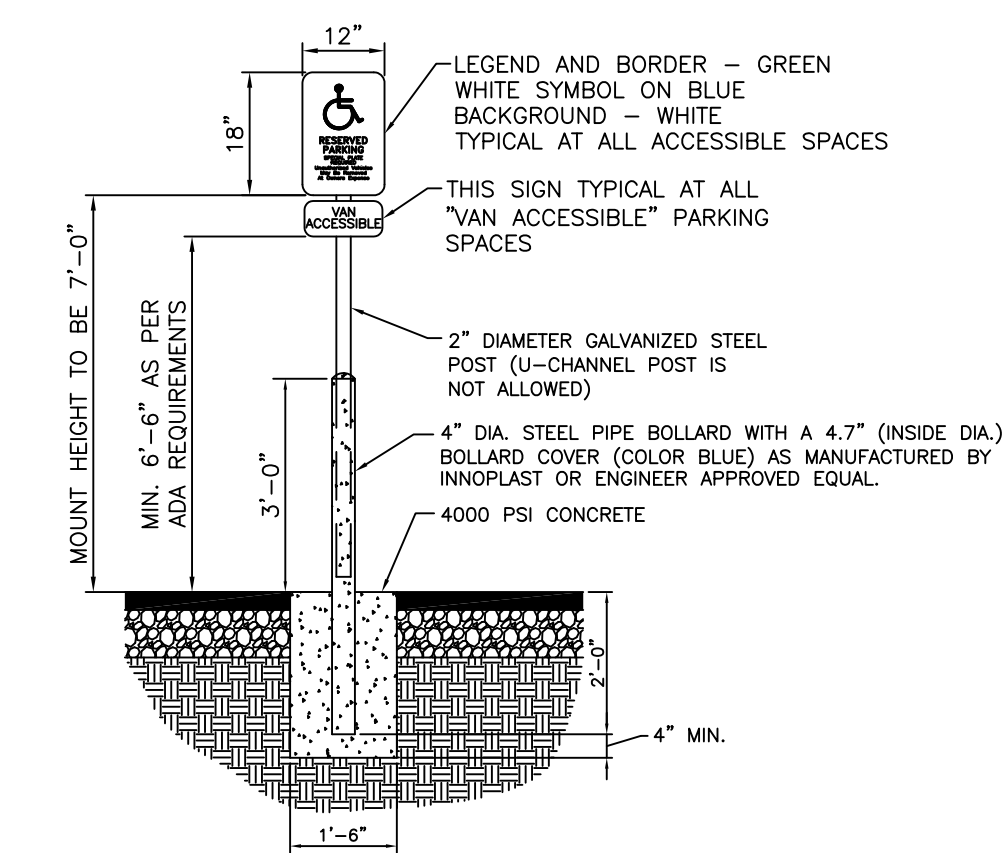
- ROADWAY SIDEWALK CROSS SLOPES, FOR BRICK, CEMENT CONCRETE, AND HMA, AS INDICATED IN THE STANDARD SPECIFICATIONS, WILL BE 1.5%. A CONSTRUCTION TOLERANCE OF ±0.5% IS ACCEPTABLE ON ROADWAY SIDEWALKS. IN ACCORDANCE WITH 521 CMR THE RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD (AAB), THE SIDEWALK CROSS SLOPE CANNOT EXCEED 2.0%.
- 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.).
- 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.
- IF THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 15'.
- IN NO CASE WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED ON THE TRAFFIC APPROACH SIDE OF THAT STOP LINE.
- FIXED OBJECTS (I.E. UTILITY POLES, HYDRANTS, SIGNS, SIGNAL FOUNDATIONS, ETC.) MUST NOT ENCRANCH UPON ANY PART OF THE WHEELCHAIR RAMP INCLUDING TRANSITION SLOPES.
- 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.
- CATCH BASINS WHICH ARE IN THE VICINITY OF A WHEELCHAIR RAMP SHALL BE LOCATED UPGRADE OF THE RAMP ENTRANCE.
- THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
- 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".
- SIDEWALK CONSTRUCTION SHALL BE IN CONFORMANCE WITH MASS HIGHWAY CONSTRUCTION STANDARDS FOR WHEELCHAIR RAMPS.

TYPICAL WHEELCHAIR RAMP CONDITION

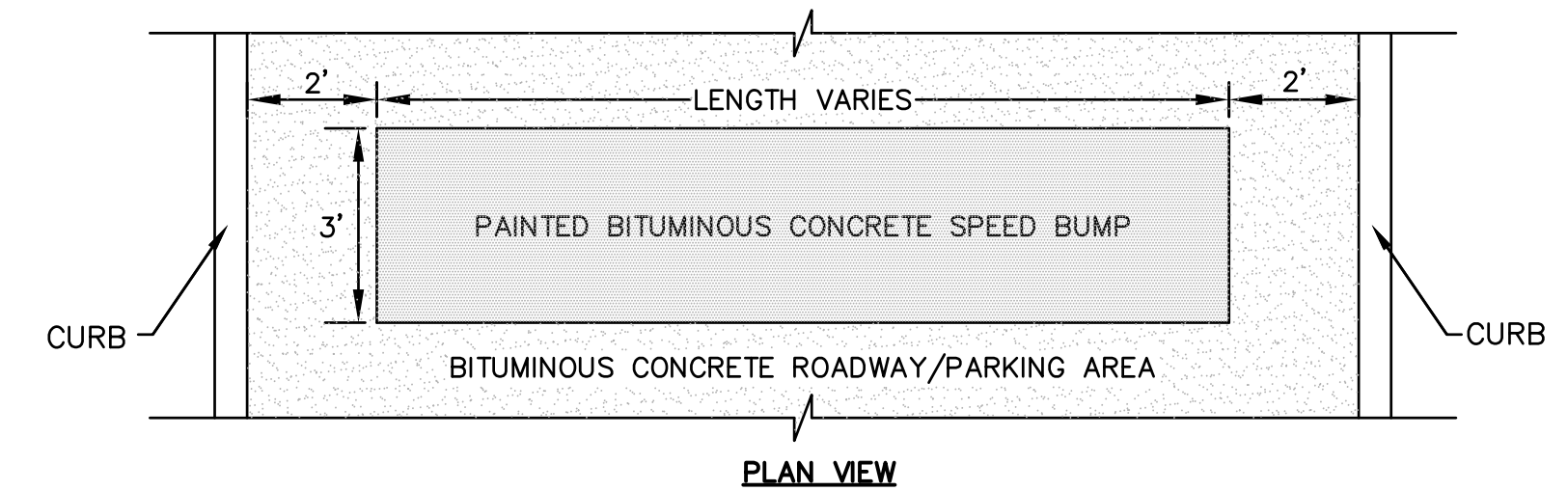
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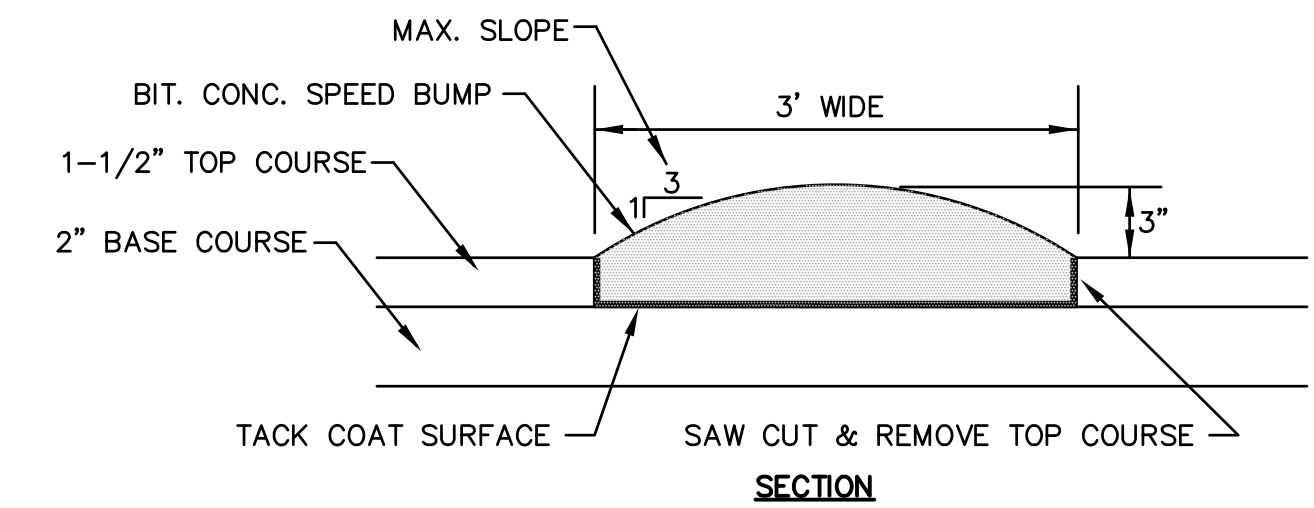
TYPICAL YELLOW POLYMER WHEEL STOP DETAIL
N.T.S.



BOLLARD MOUNTED SIGN DETAIL
N.T.S.



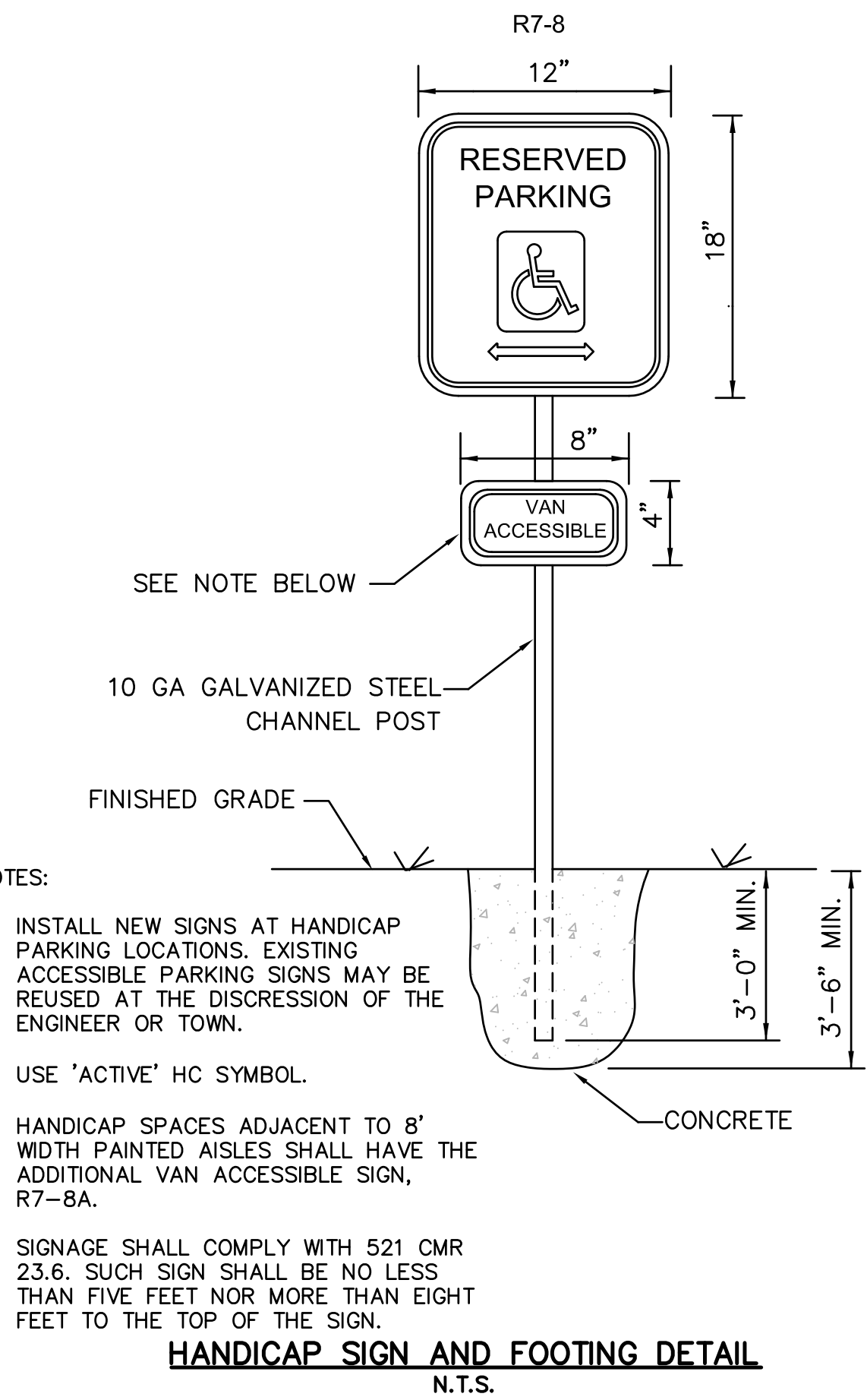
PLAN VIEW



SECTION

NOTES:
1. BITUMINOUS CONCRETE SPEED BUMP TO BE INSTALLED AFTER TOP COURSE.
2. SAW CUT AND REMOVE TOP COURSE AT LOCATION OF THE SPEED BUMP.
3. BEFORE INSTALLING THE SPEED BUMP, INSTALL TACK COAT.

SPEED BUMP DETAIL
NOT TO SCALE



HANDICAP SIGN AND FOOTING DETAIL
N.T.S.

- NOTES:
- INSTALL NEW SIGNS AT HANDICAP PARKING LOCATIONS. EXISTING ACCESSIBLE PARKING SIGNS MAY BE REUSED AT THE DISCRETION OF THE ENGINEER OR TOWN.
 - USE 'ACTIVE' HC SYMBOL.
 - HANDICAP SPACES ADJACENT TO 8' WIDTH PAINTED AISLES SHALL HAVE THE ADDITIONAL VAN ACCESSIBLE SIGN, R7-8A.
 - 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.

DETAIL SHEET II

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.

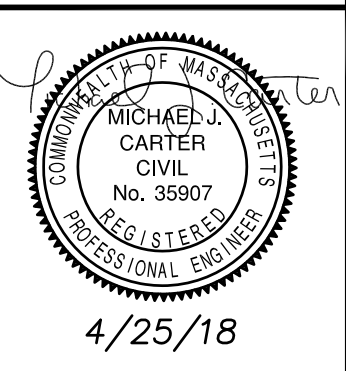
WILMINGTON MASSACHUSETTS

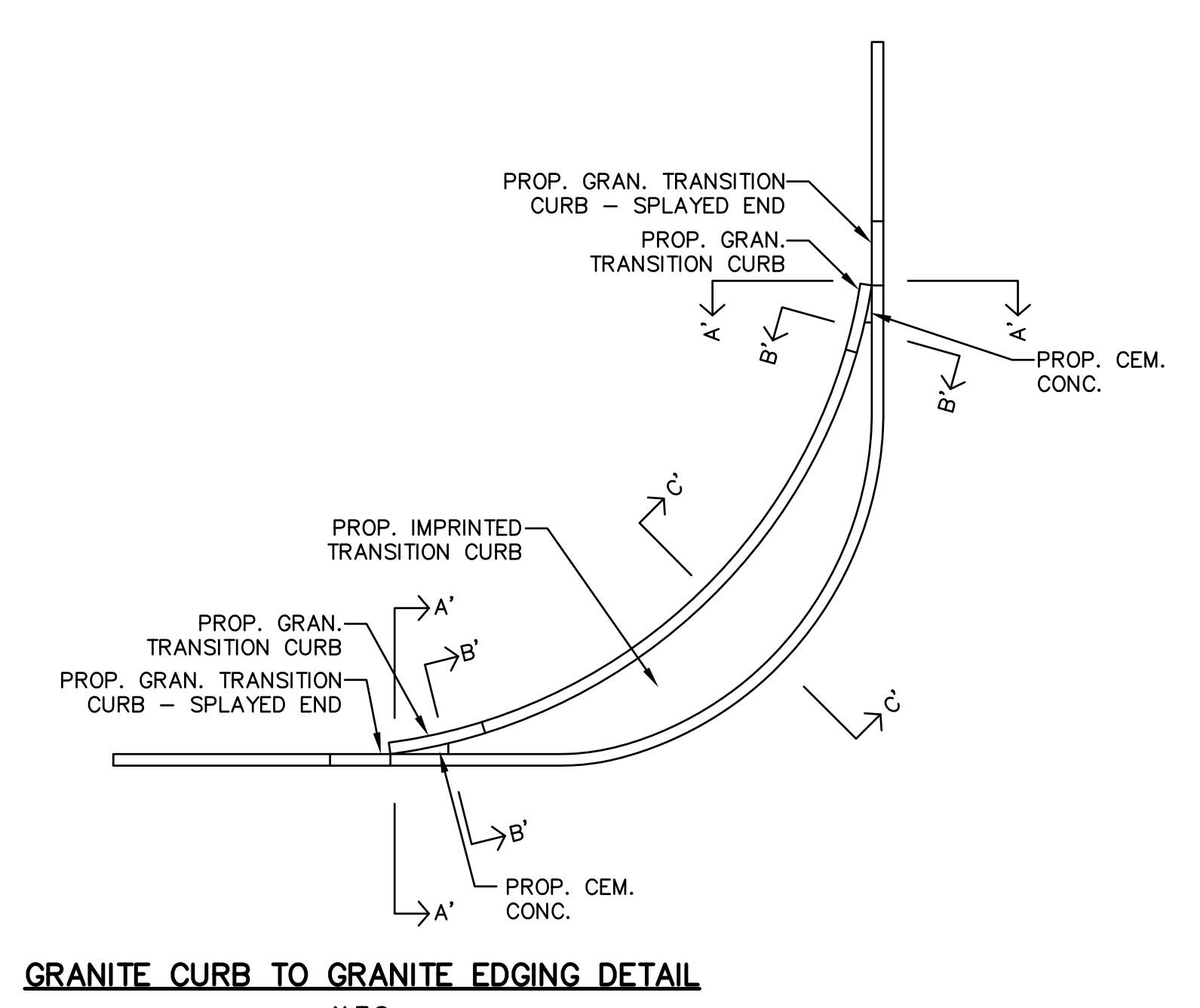
SCALE: N.T.S. DATE: DECEMBER 12, 2017

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

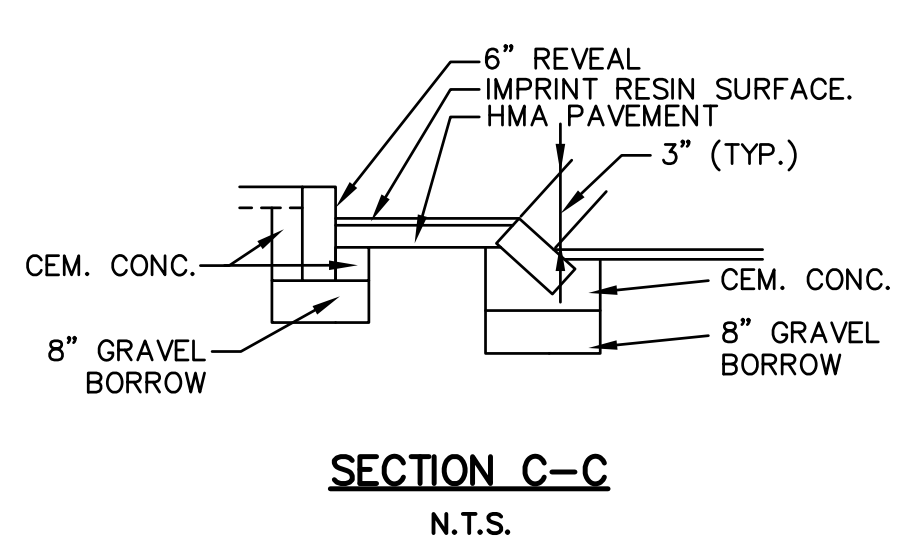
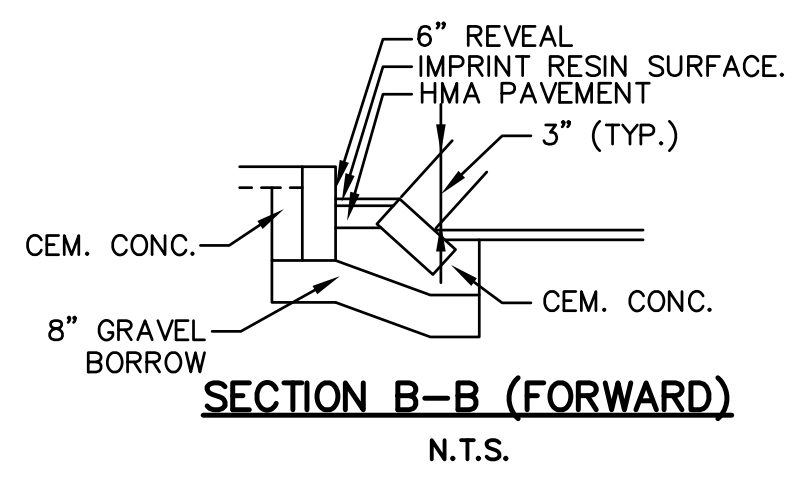
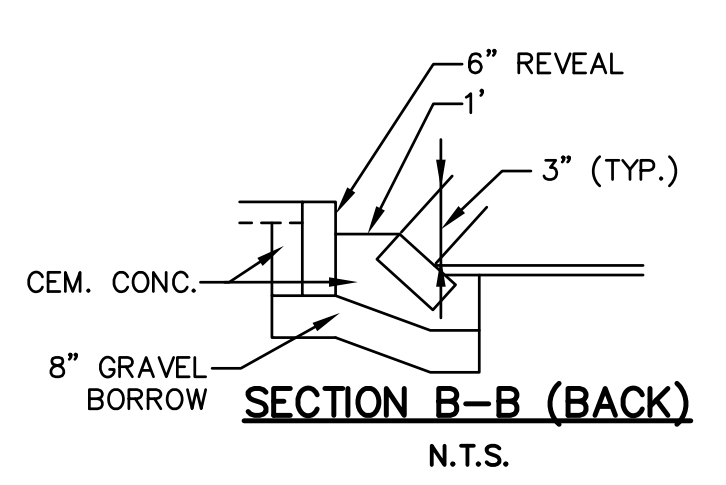
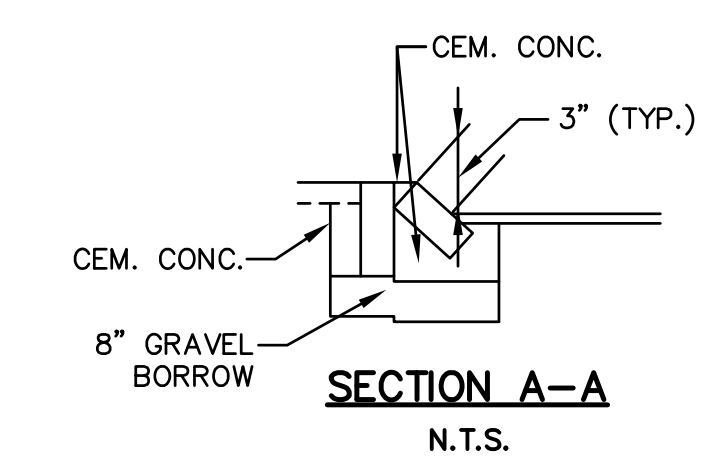
PLAN NO. C-14 OF 20

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.

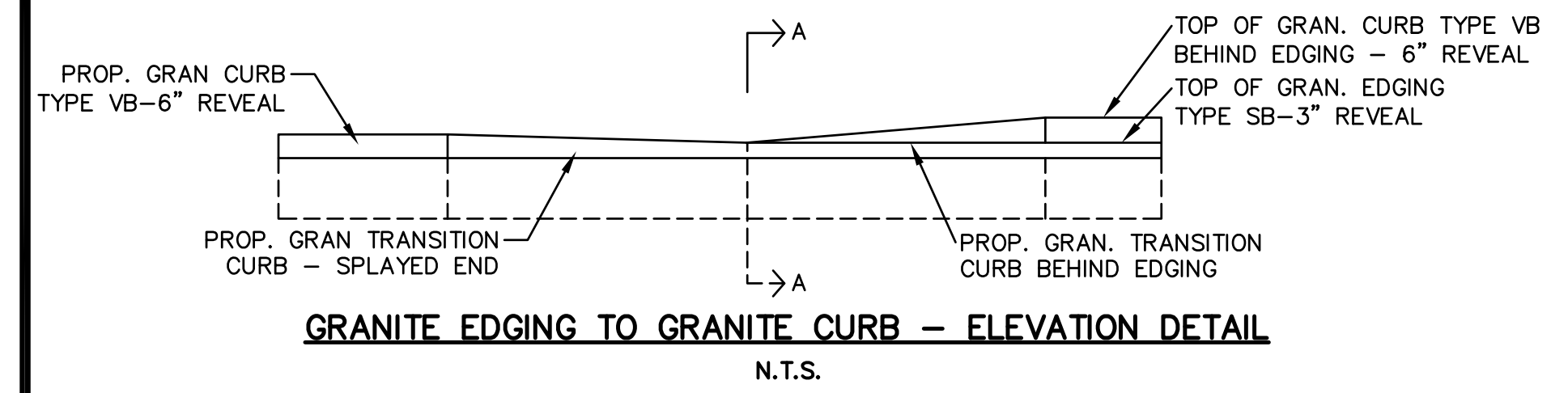




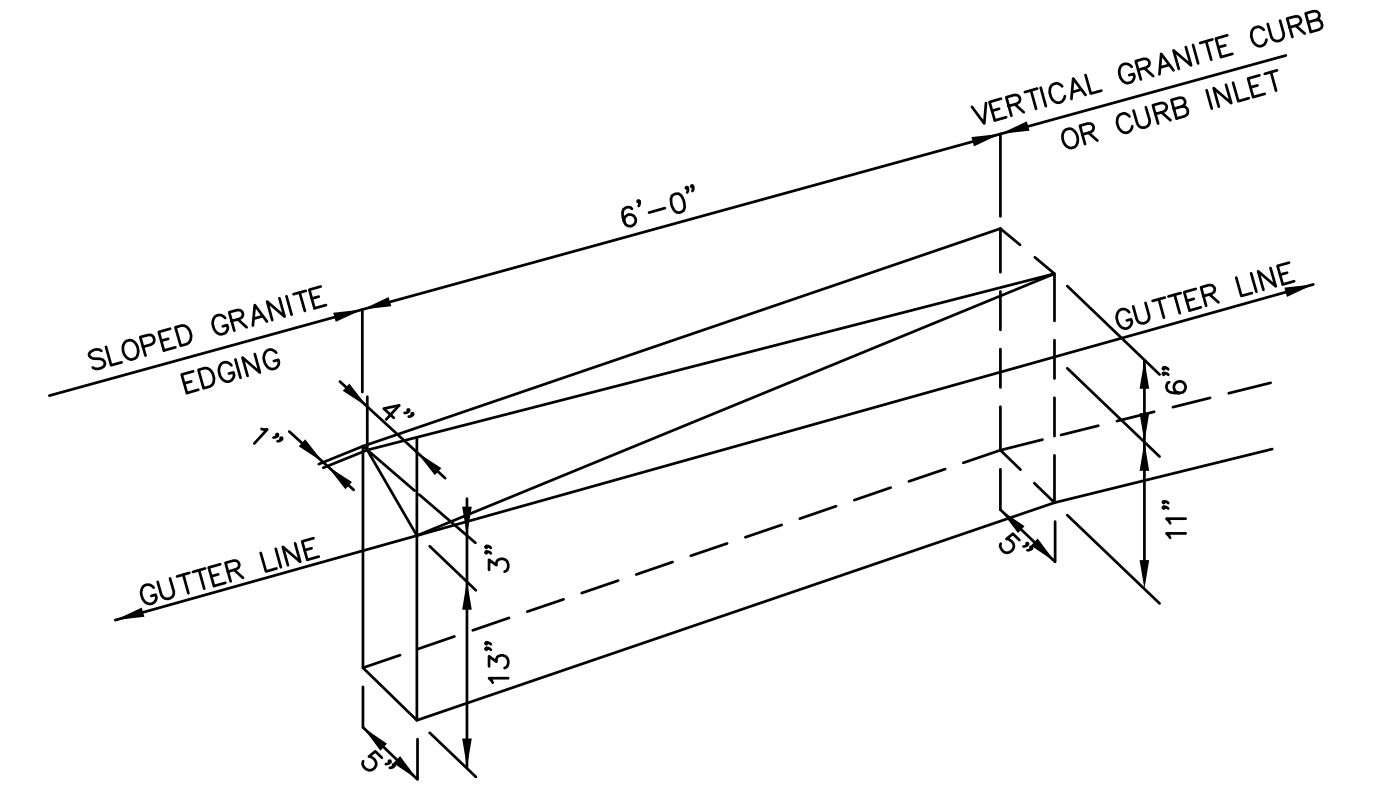
GRANITE CURB TO GRANITE EDGING DETAIL
 N.T.S.



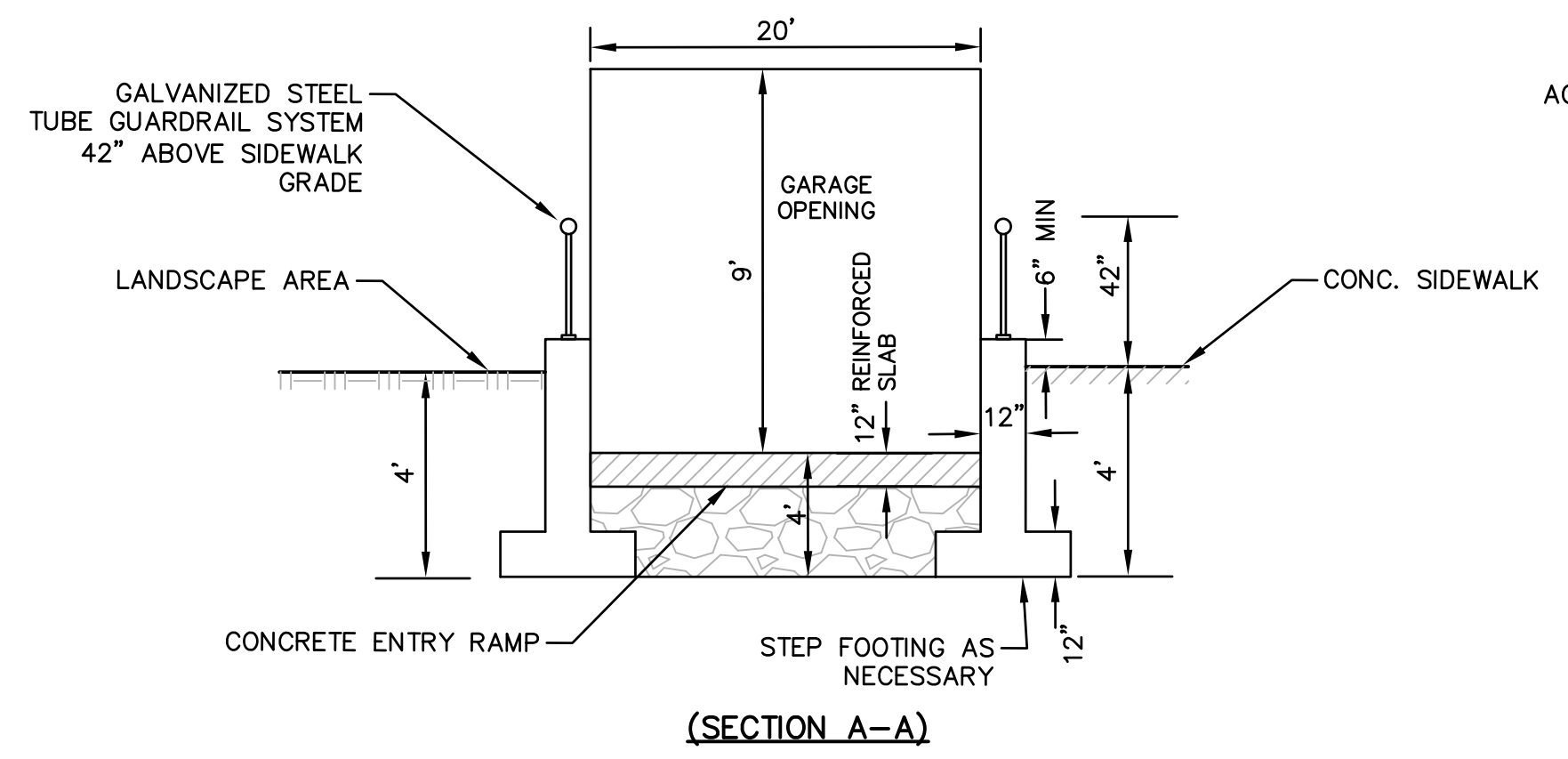
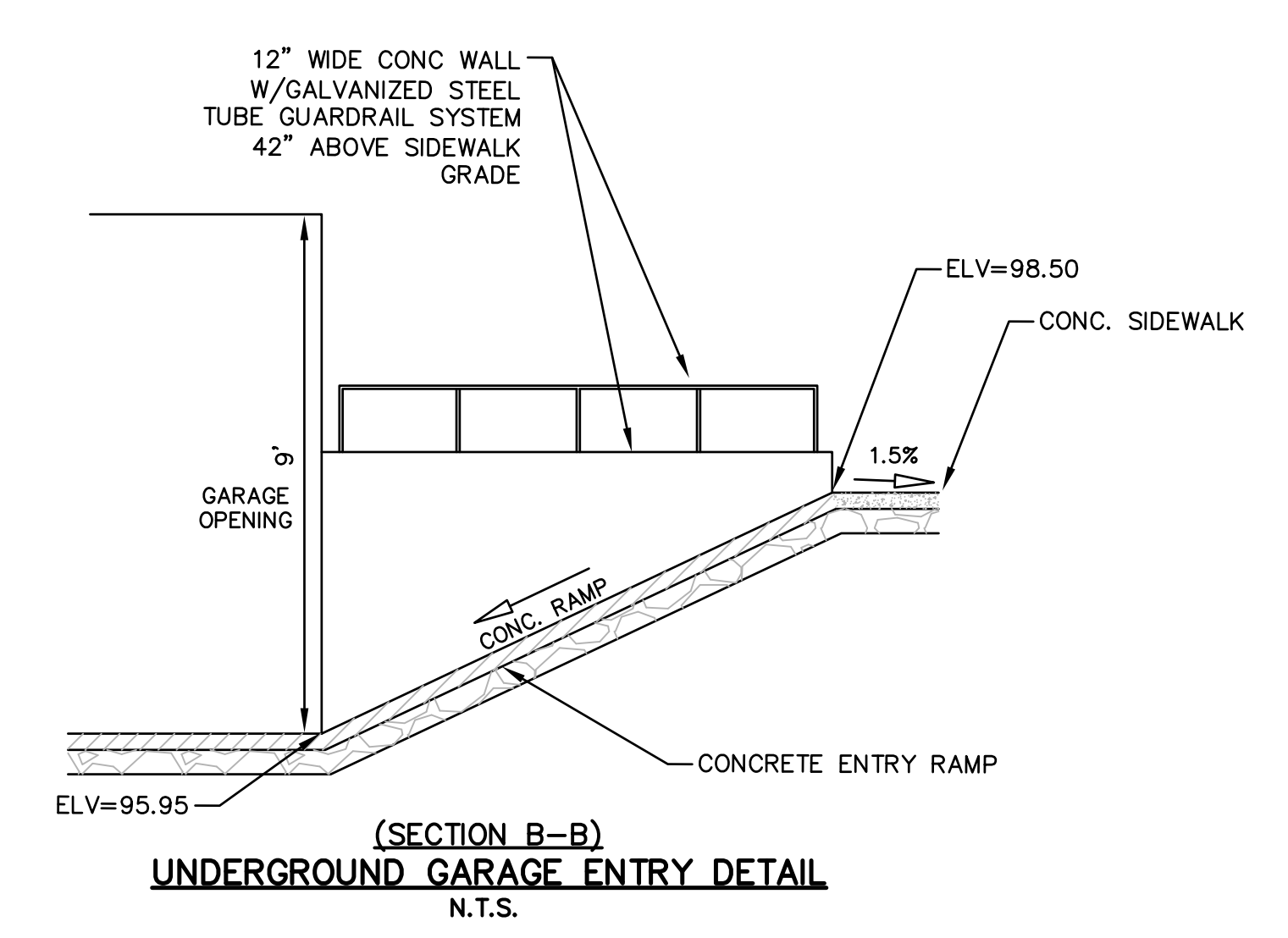
NOTES:
 1. SECTIONS A'-A' AND B'-B' ARE THE SAME AS SECTION A-A AND B-B EXCEPT THEY ARE MIRRORED



GRANITE EDGING TO GRANITE CURB - ELEVATION DETAIL
 N.T.S.

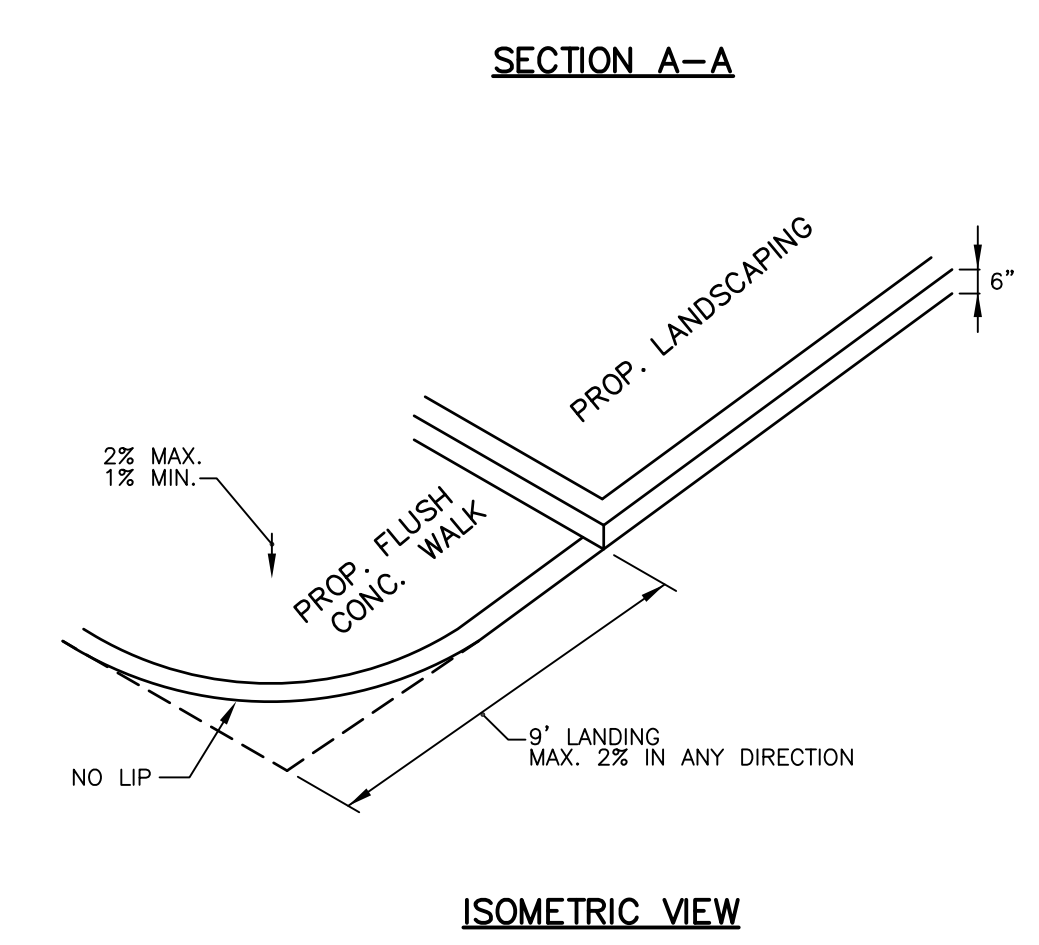
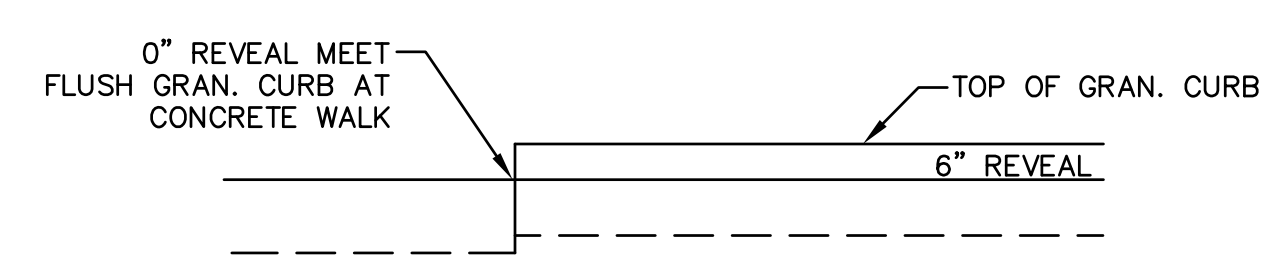
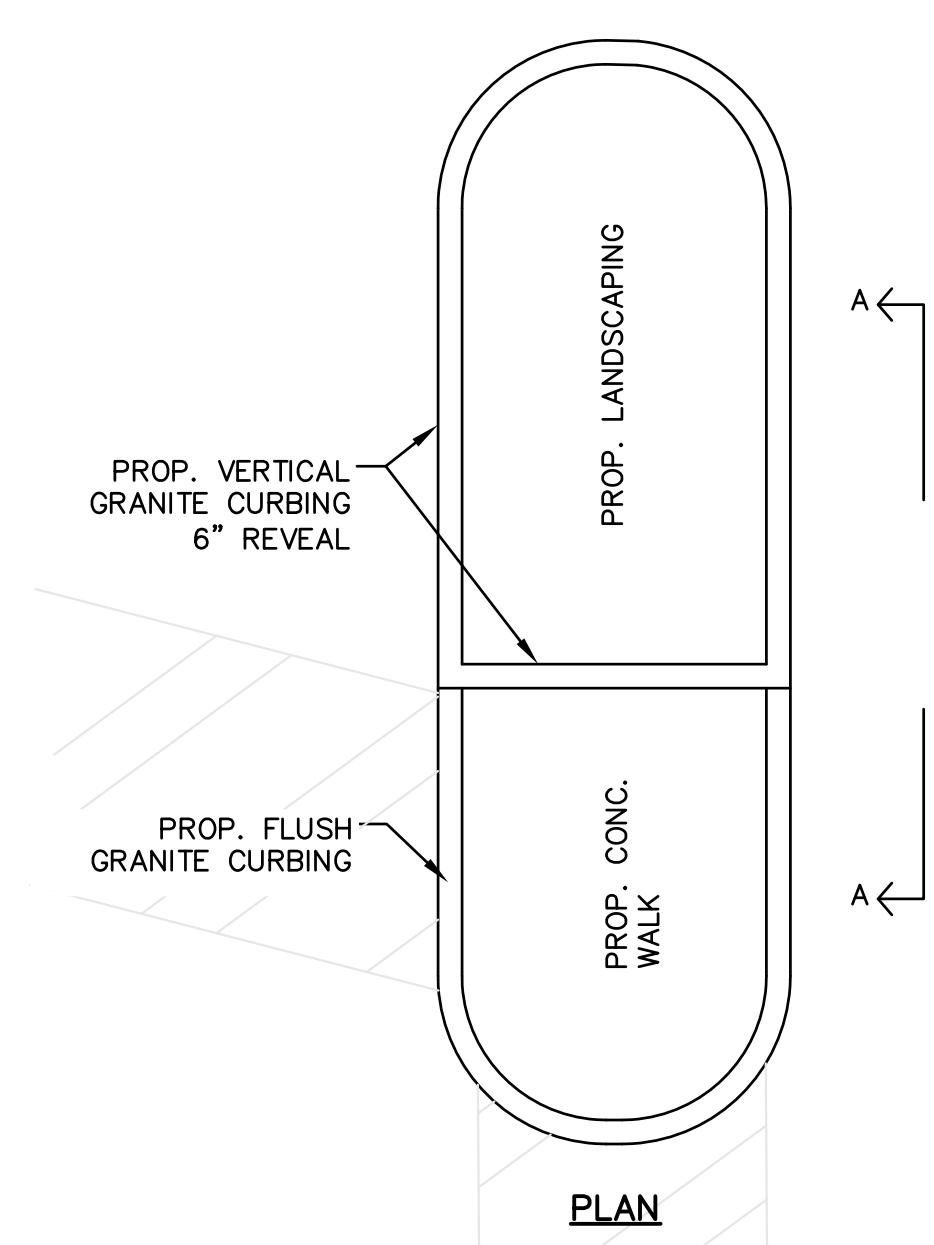


DETAIL FOR GRANITE TRANSITION CURB - SPLAYED END ISOMETRIC VIEW
 N.T.S.



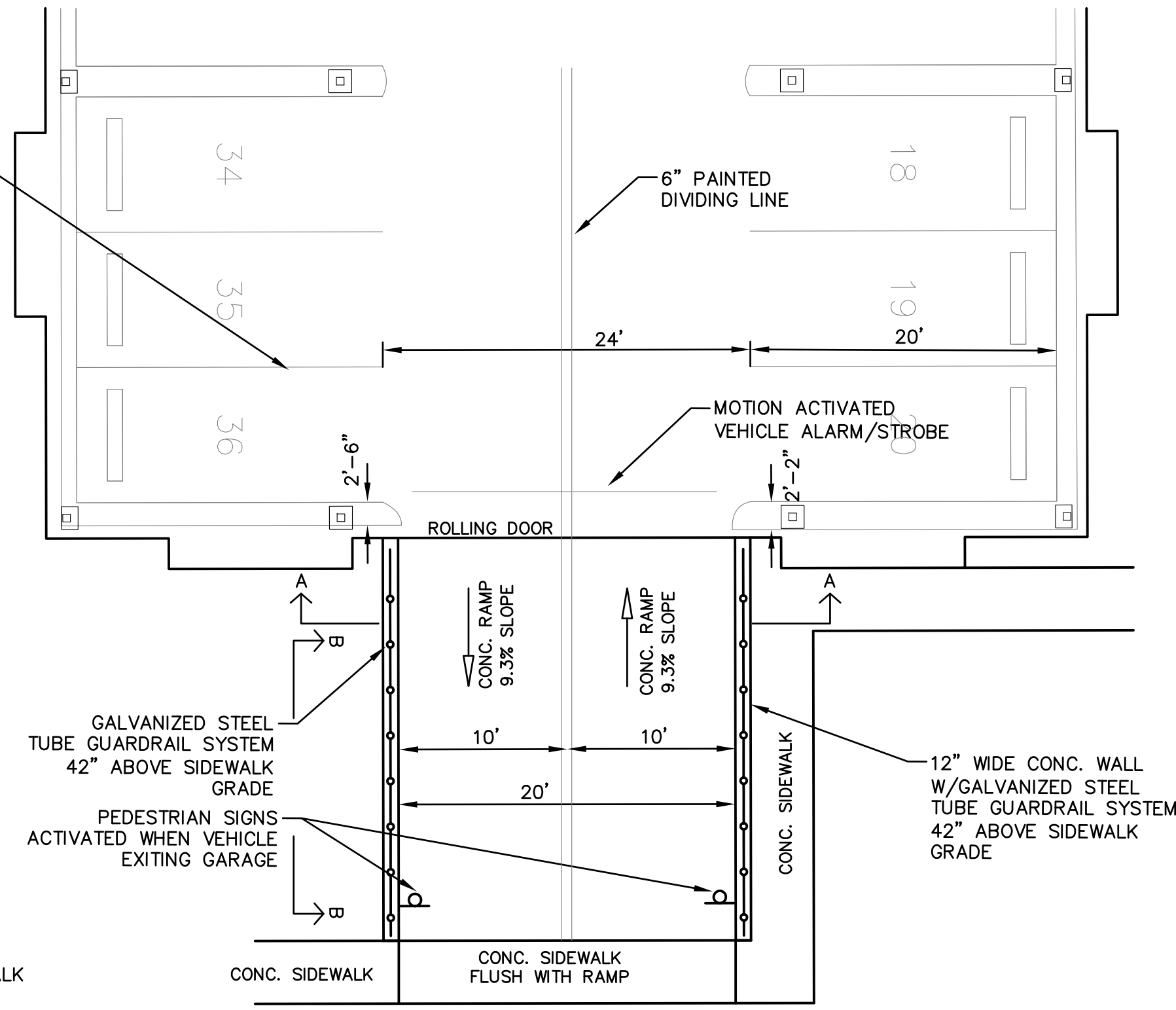
NOTE: STRUCTURAL DESIGN TO BE COMPLETED ARCHITECT AS PART OF BUILDING DRAWINGS

UNDERGROUND GARAGE ENTRY DETAIL
 N.T.S.



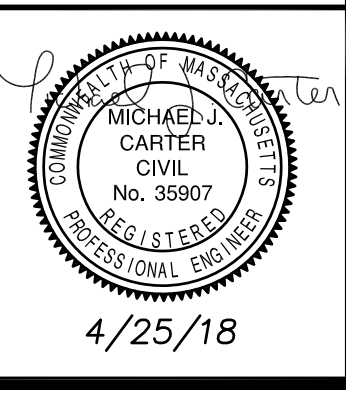
MUNICIPAL LOT ISLAND
 N.T.S.

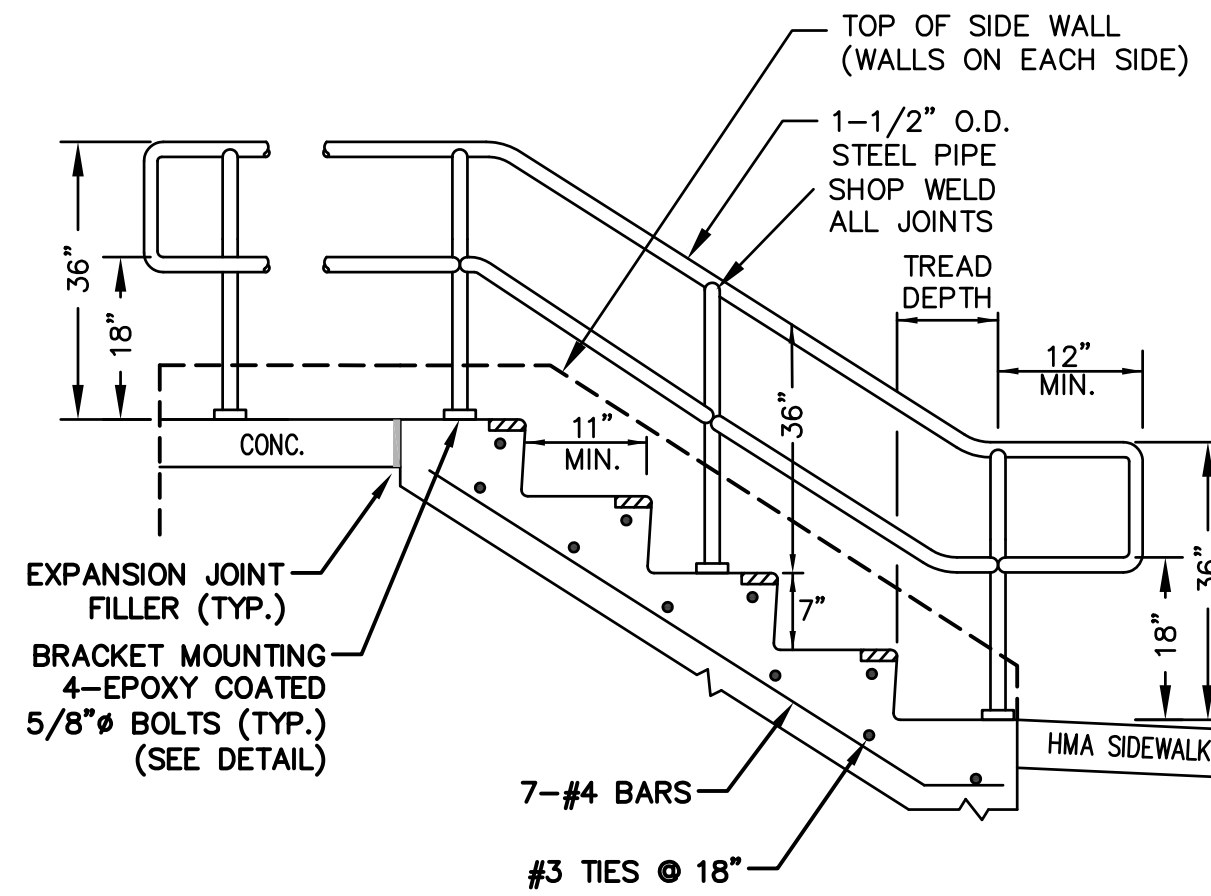
ALL SIGNS AND MARKINGS WITHIN THE PARKING AREAS WILL BE MUTCD COMPLIANT



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-15 OF 20

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.

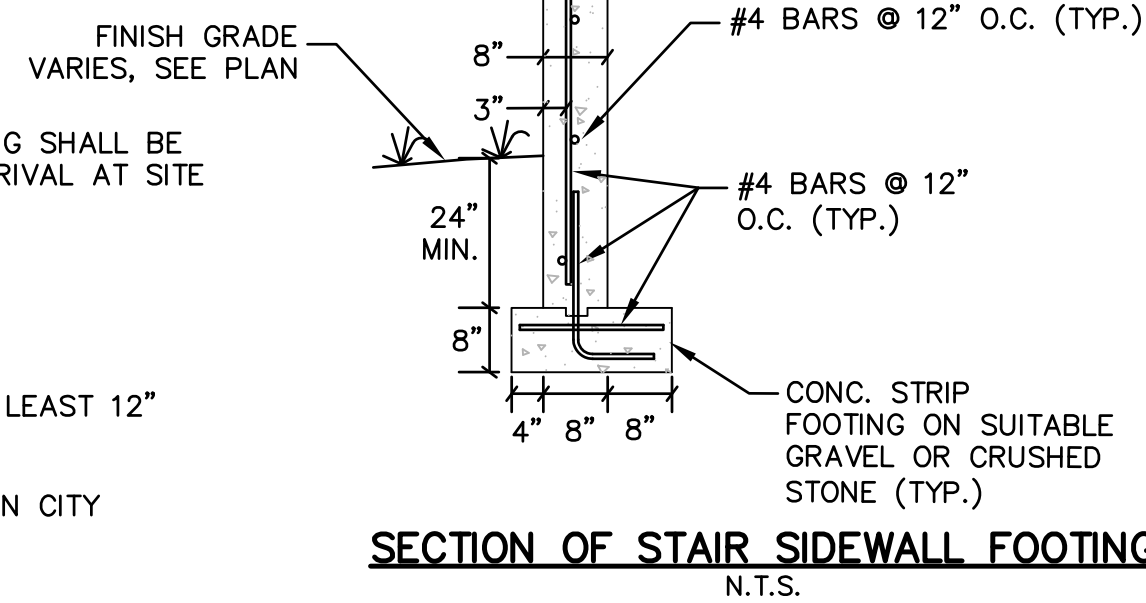




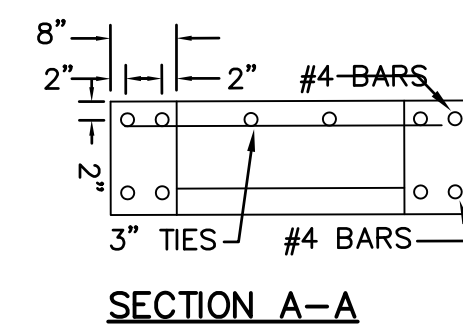
NOTES:

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 ENCRONCH ON CITY SIDEWALKS OR WHERE SPACE DOES NOT PERMIT.

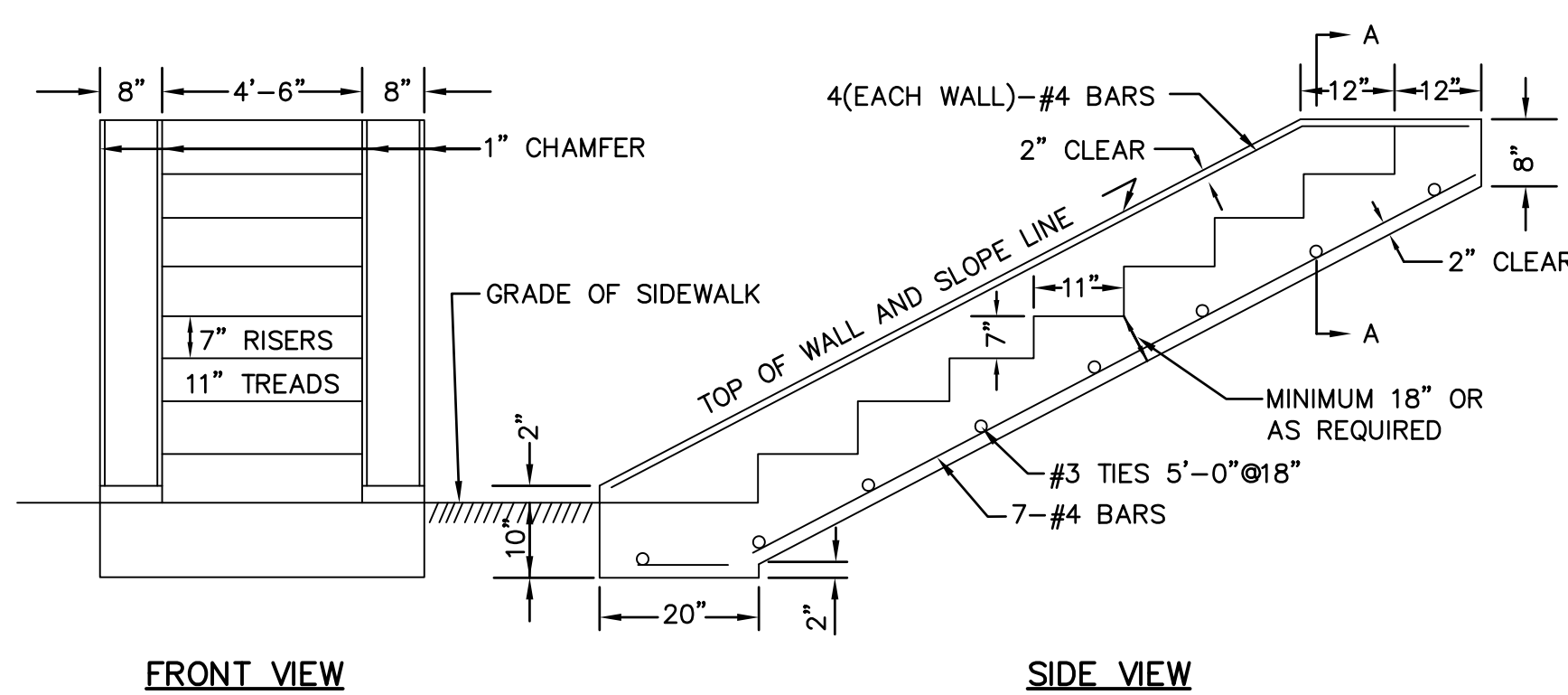
GALVANIZED STEEL PIPE STAIR HAND RAIL
 N.T.S.



SECTION OF STAIR SIDEWALL FOOTING
 N.T.S.



SECTION A-A



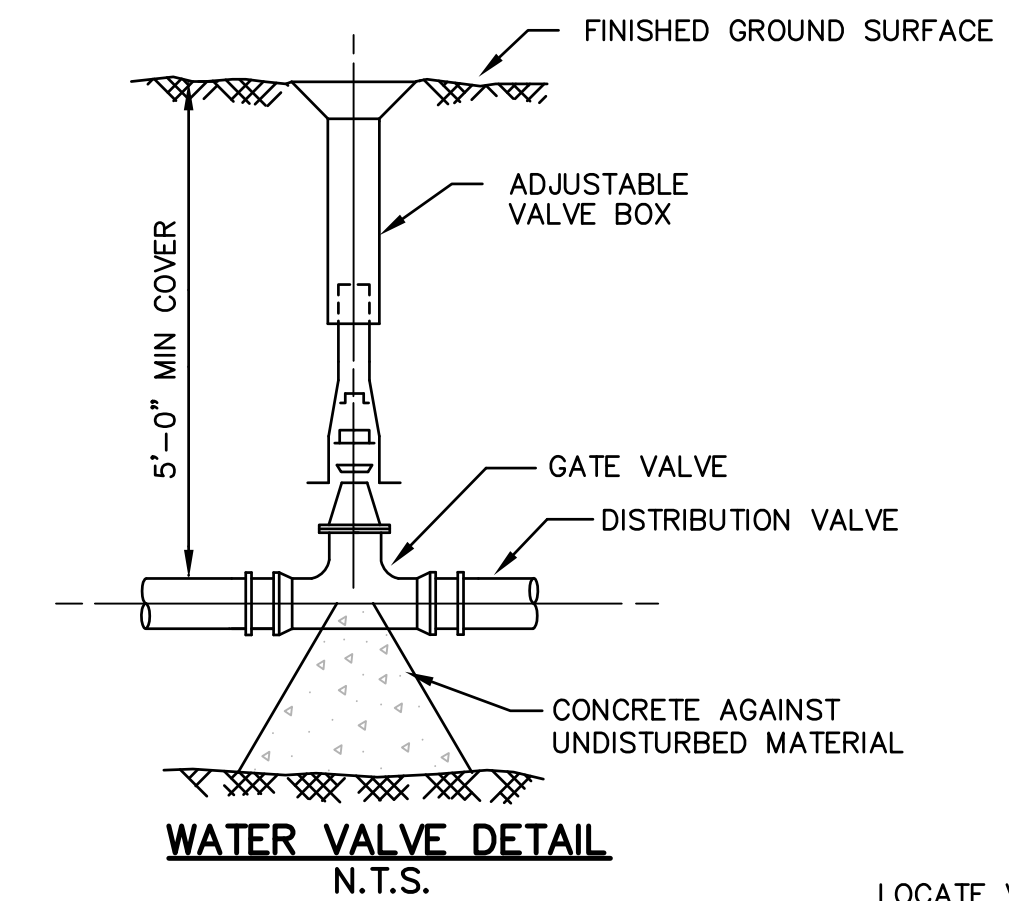
FRONT VIEW

SIDE VIEW

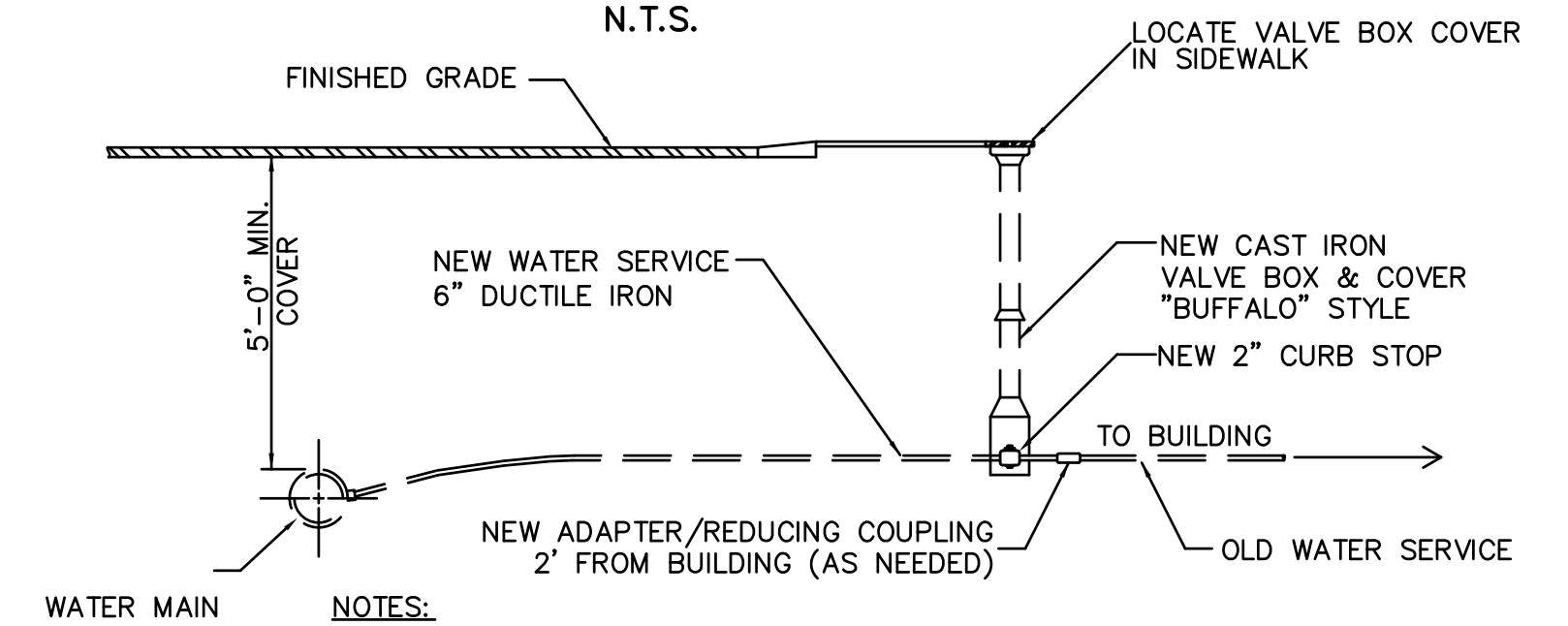
NOTES:

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.

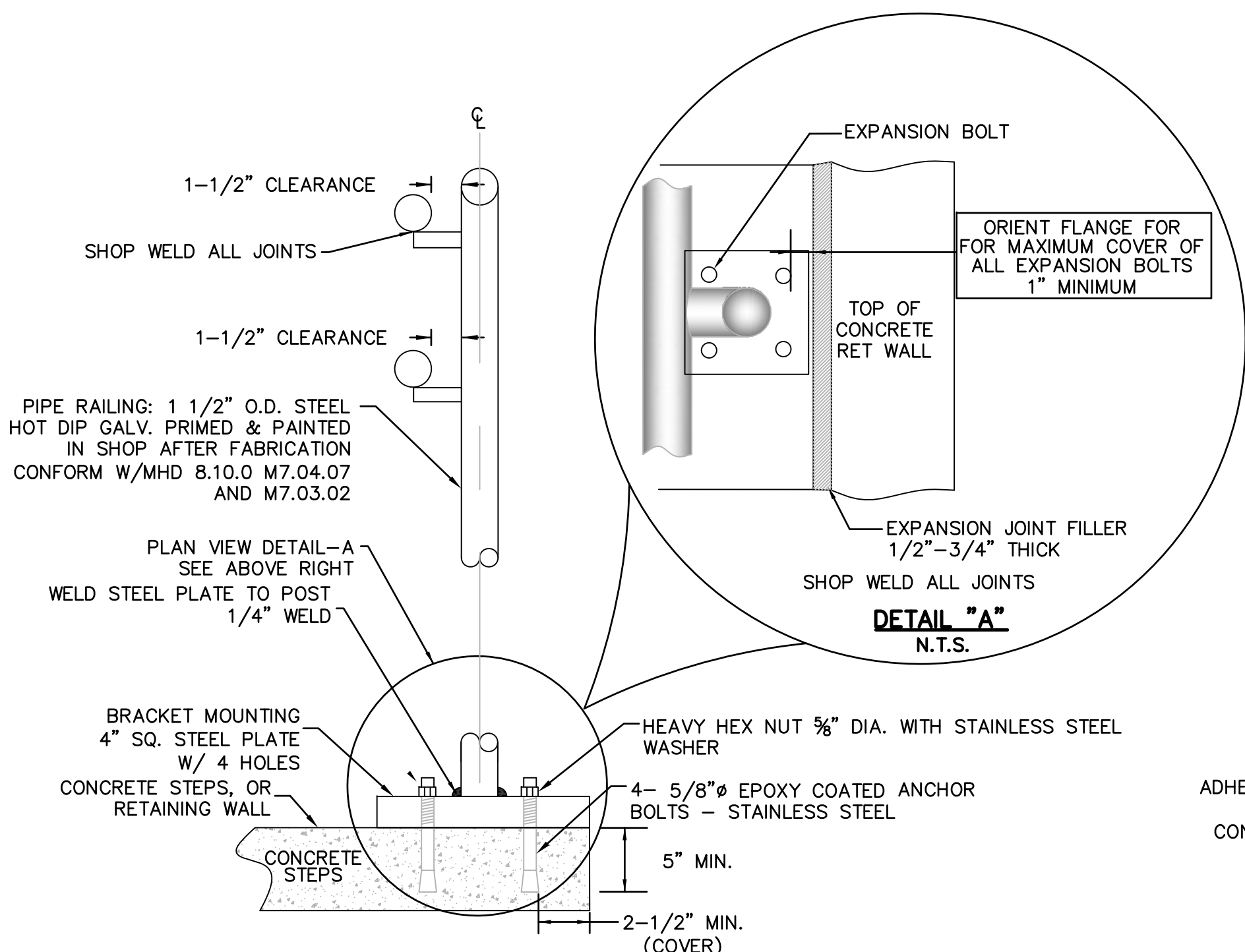
WATER SERVICE CONNECTION
 N.T.S.

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.

GENERAL NOTES FOR CAST-IN-PLACE CONCRETE STEPS

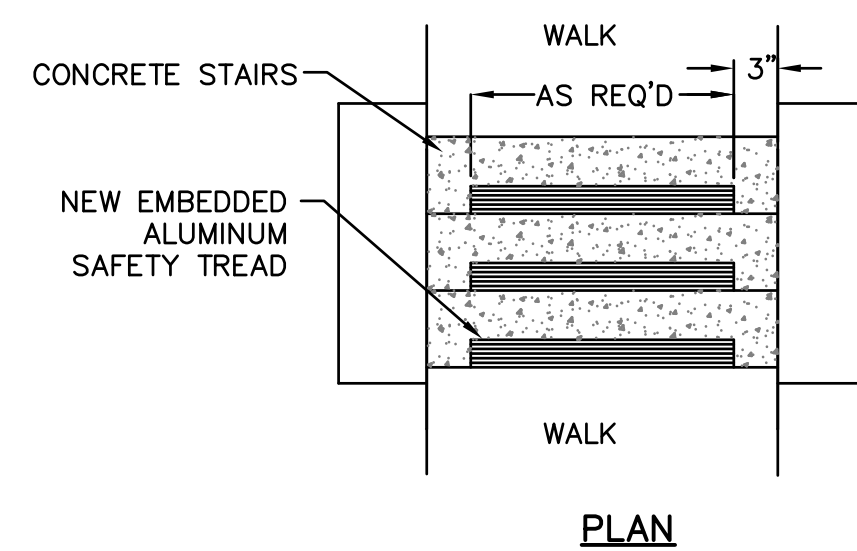
1. THE STEPS TO BE REPLACED SHALL BE 4000 PSI CONCRETE, WITH #4 AT 12" EACH WAY.
2. THE CONCRETE SHALL BE 15" THICK AT RAILING POST LOCATIONS.
3. 6" OF COMPACTED GRAVEL BASE SHALL BE PLACED UNDER ALL CONCRETE POURS.
4. STEPS AND LANDINGS SHALL RECEIVE A BRUSHED FINISH THAT PROVIDES A DURABLE NONSLIP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



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.

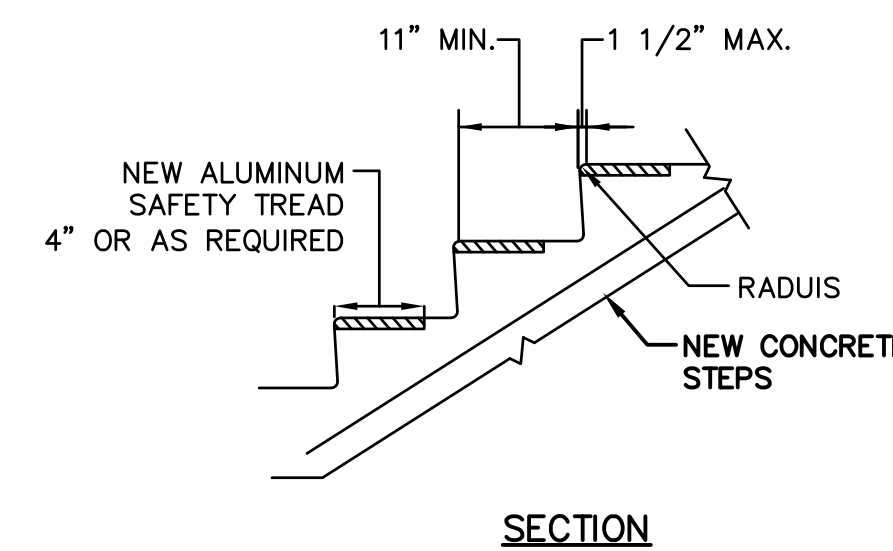


PLAN

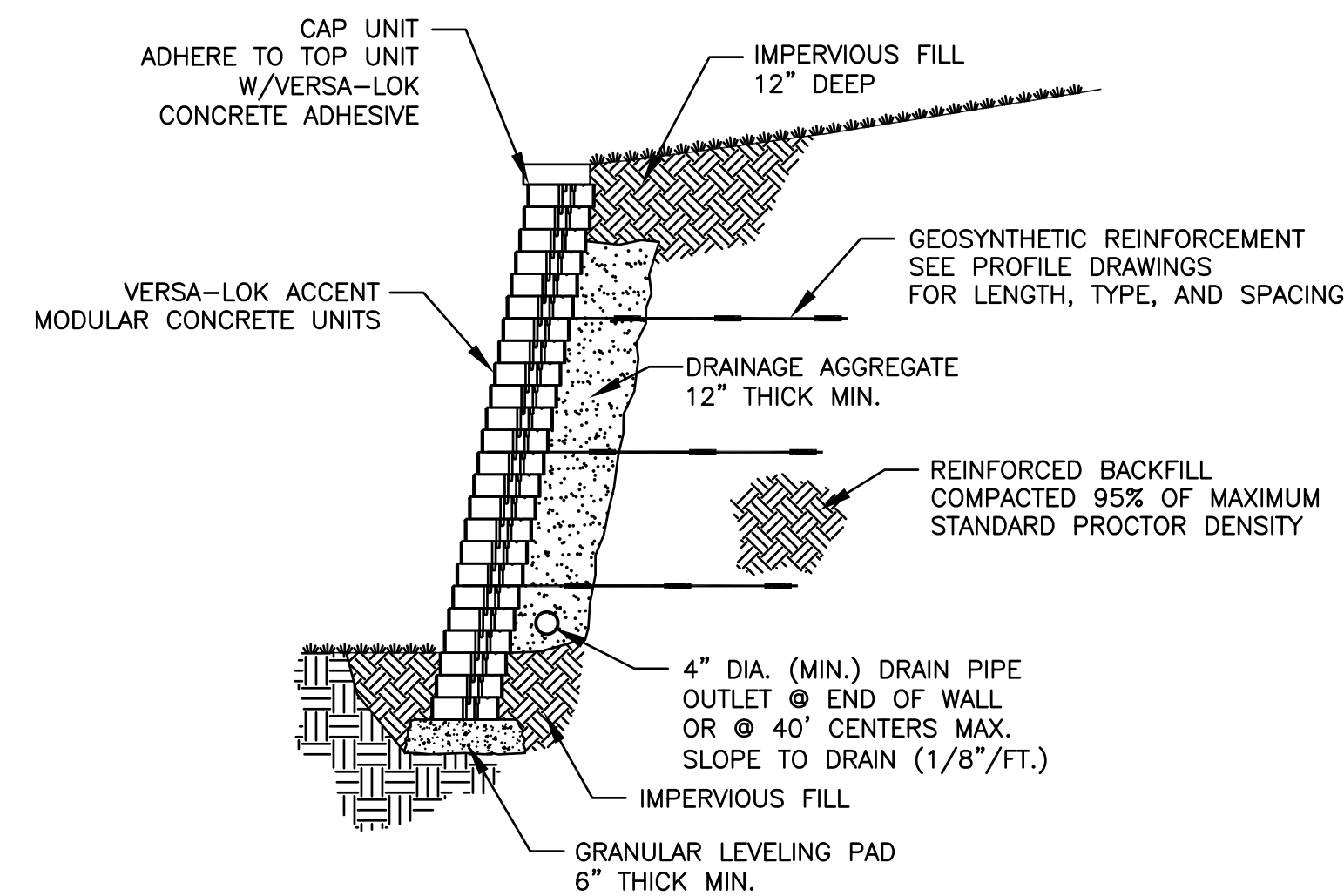
NOTES:

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

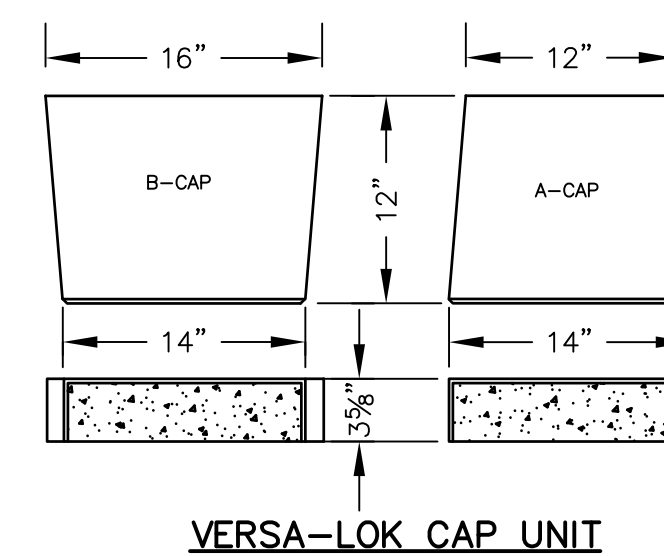
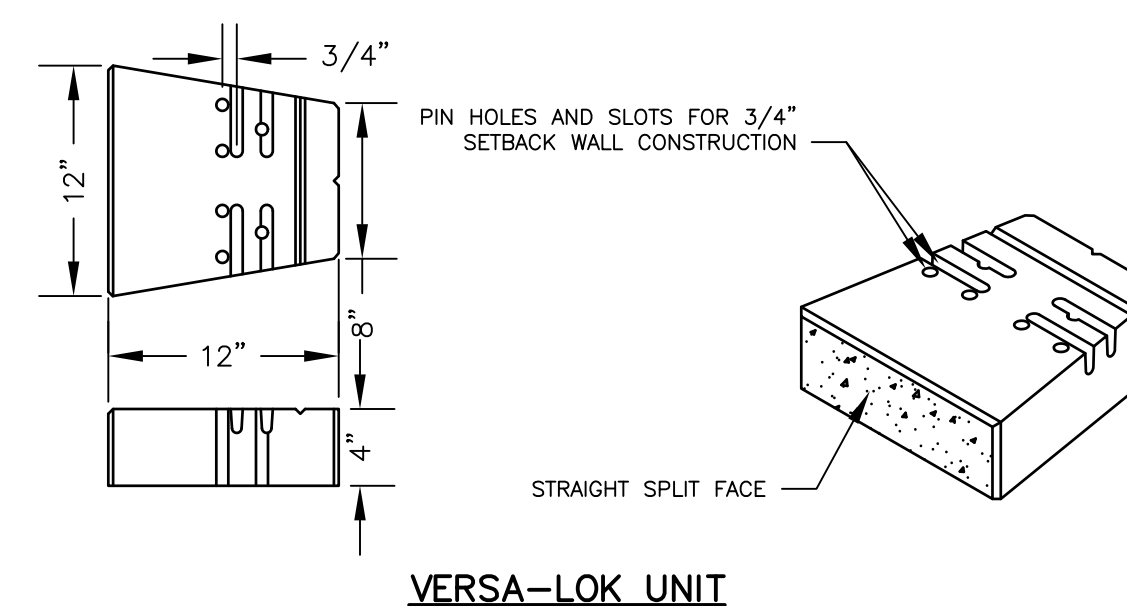
N.T.S.



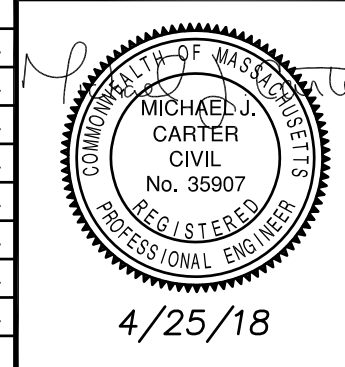
SECTION



TYPICAL SECTION-REINFORCED RETAINING WALL
 N.T.S.



NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



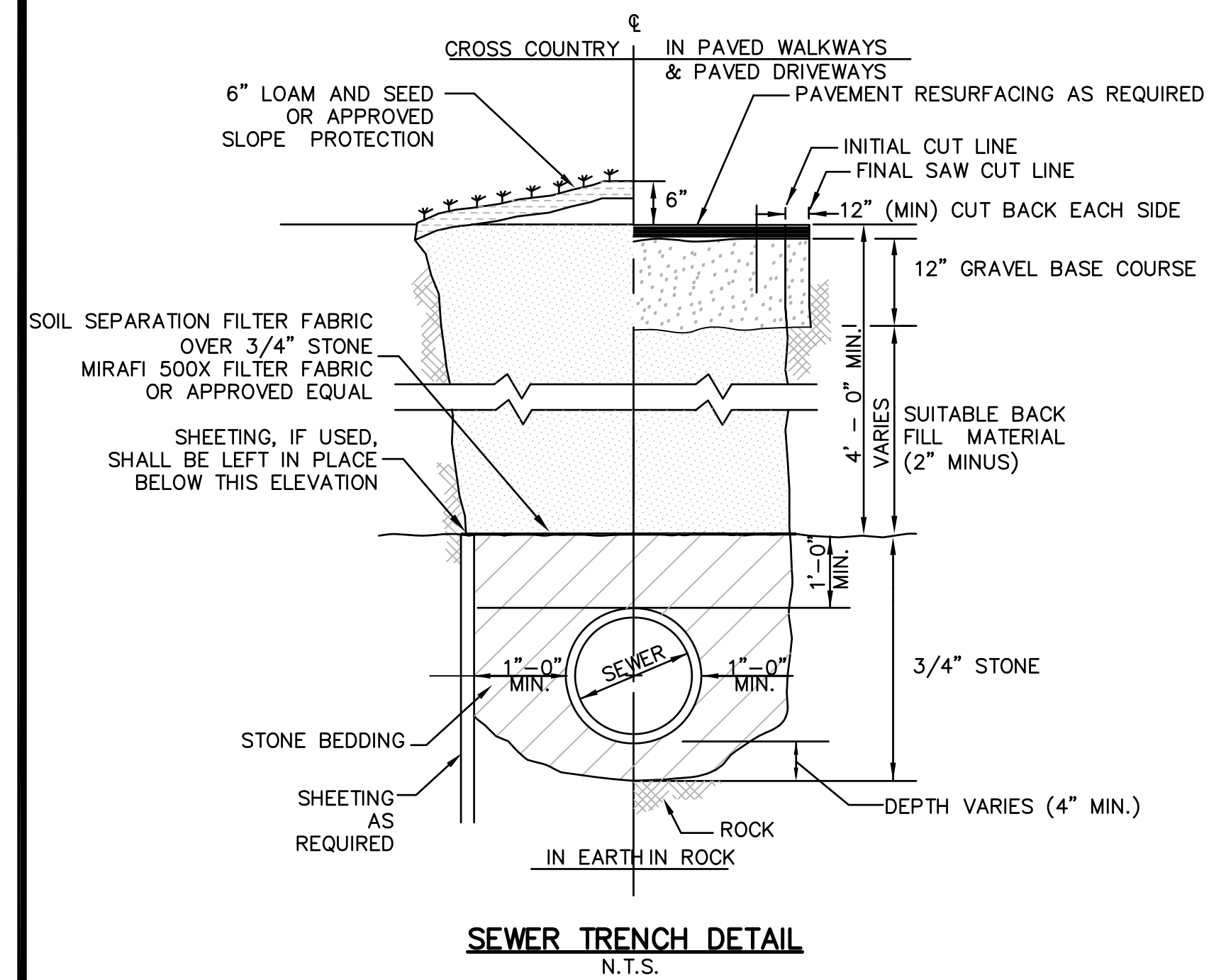
DETAIL SHEET IV
 ISLINGTON VILLAGE
 WESTWOOD, MA
 NORFOLK COUNTY

GCG ASSOCIATES, INC.
 WILMINGTON MASSACHUSETTS

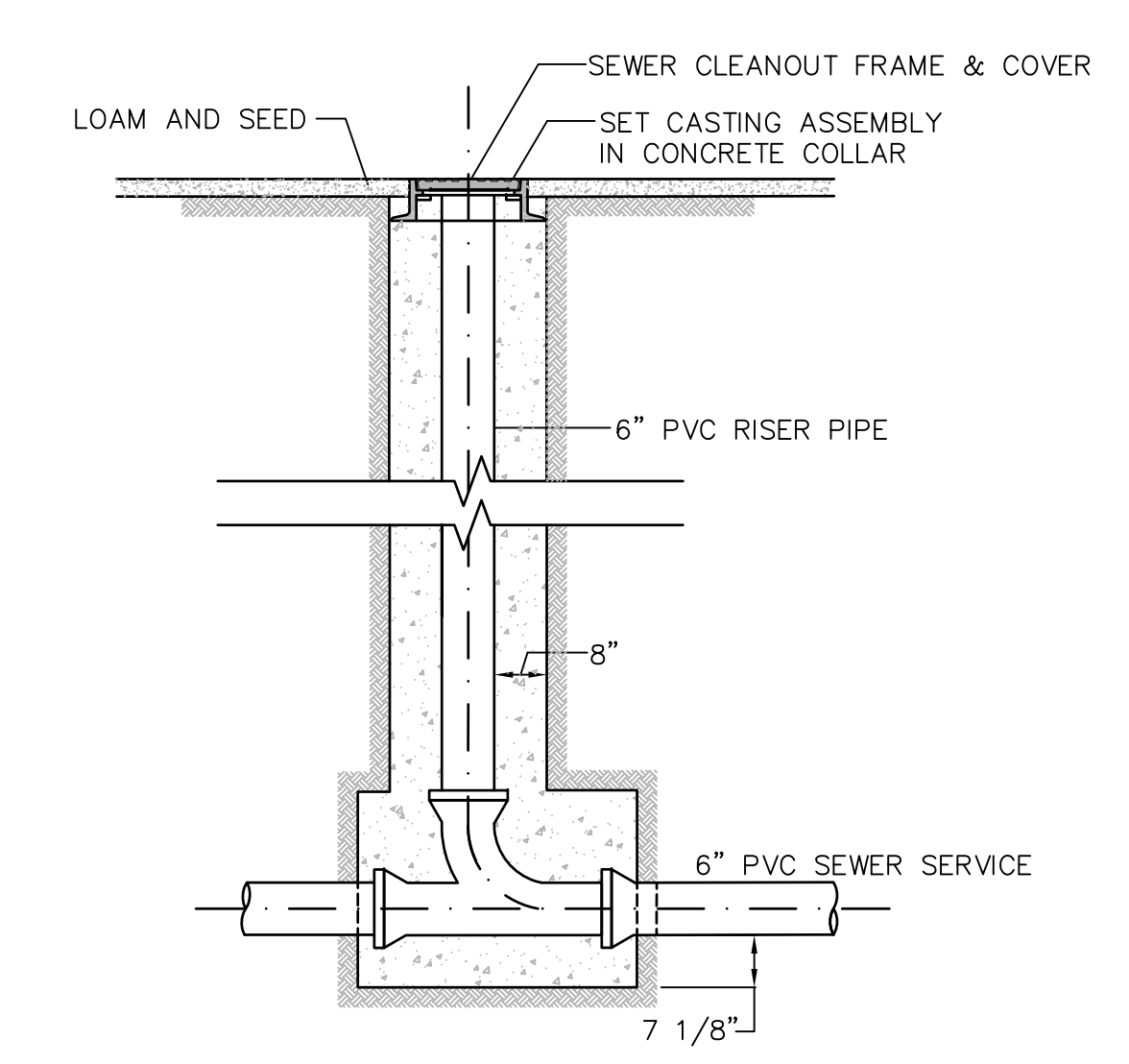
SCALE: N.T.S. DATE: DECEMBER 12, 2017

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

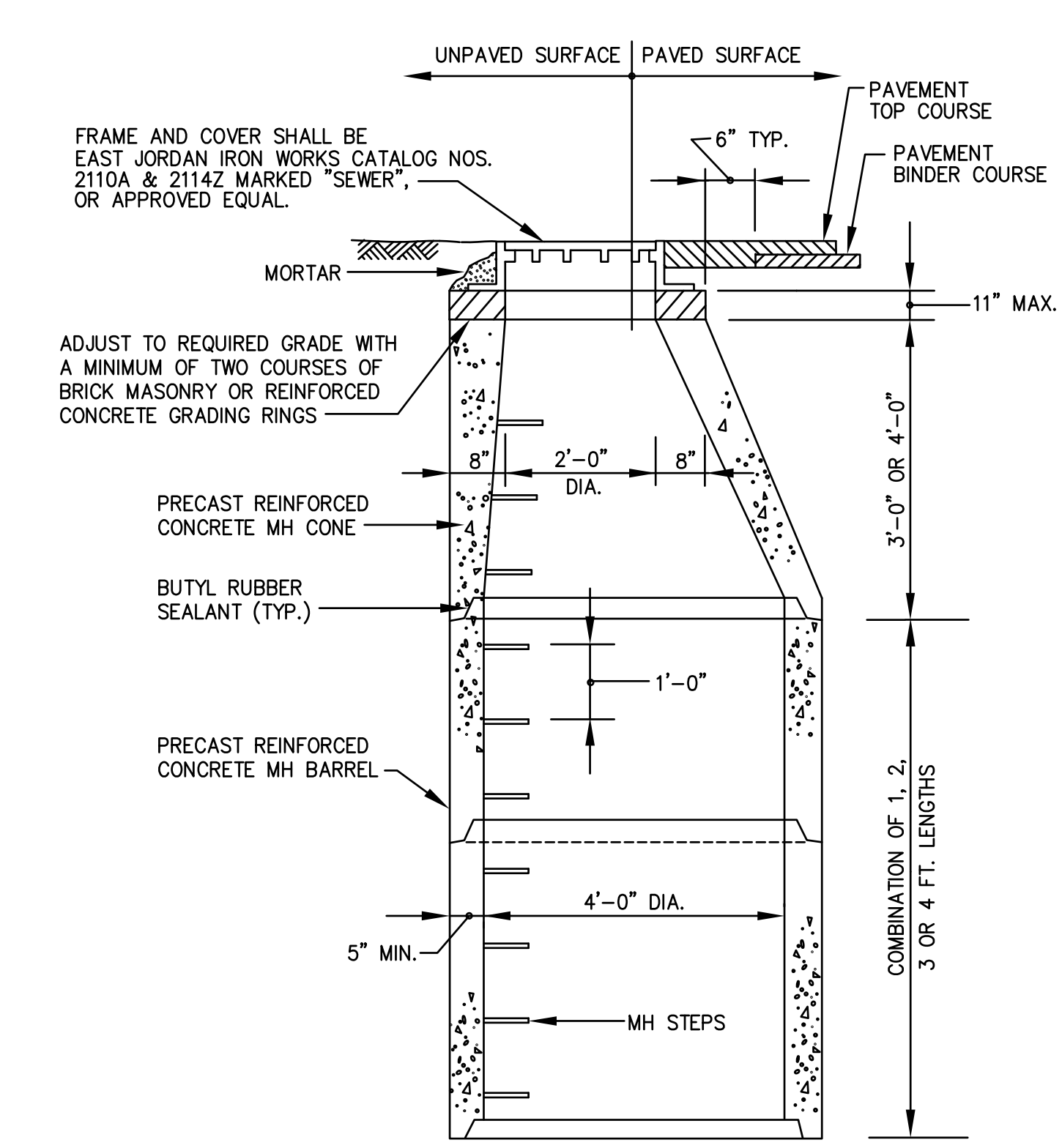
PLAN NO. C-16 of 20



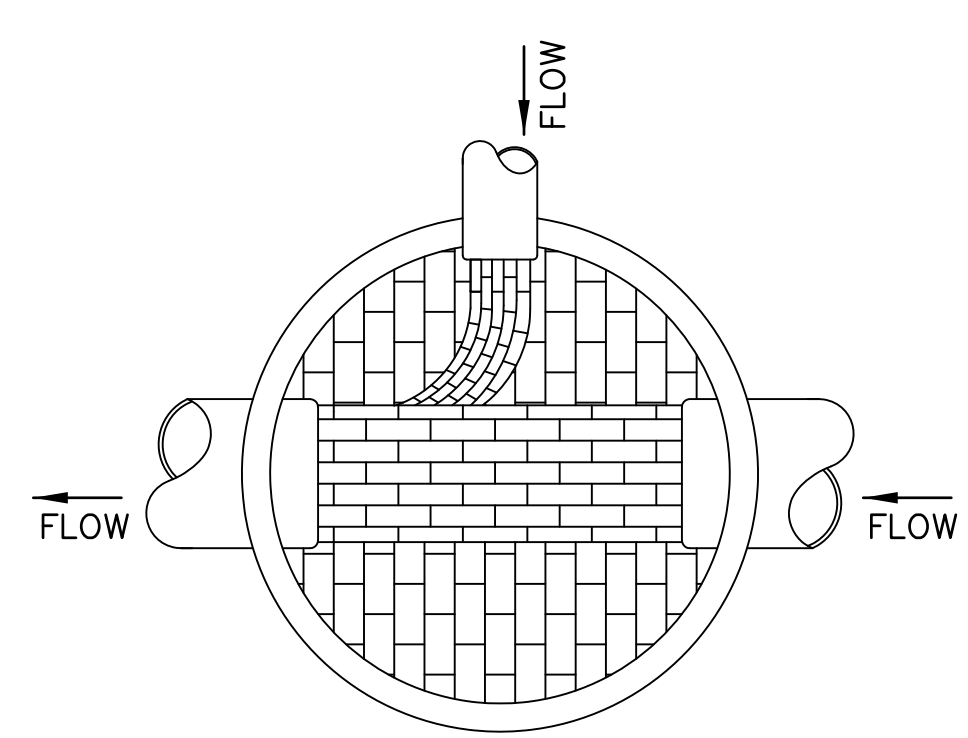
SEWER TRENCH DETAIL
N.T.S.



SEWER CLEANOUT DETAIL
N.T.S.

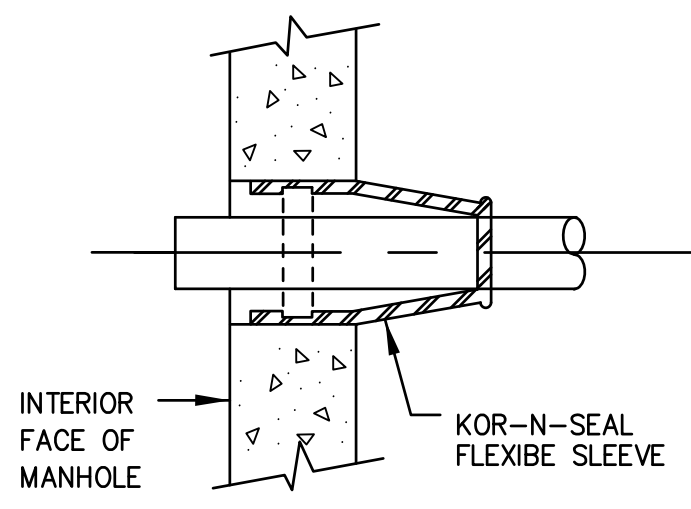


SEWER MANHOLE DETAIL
N.T.S.

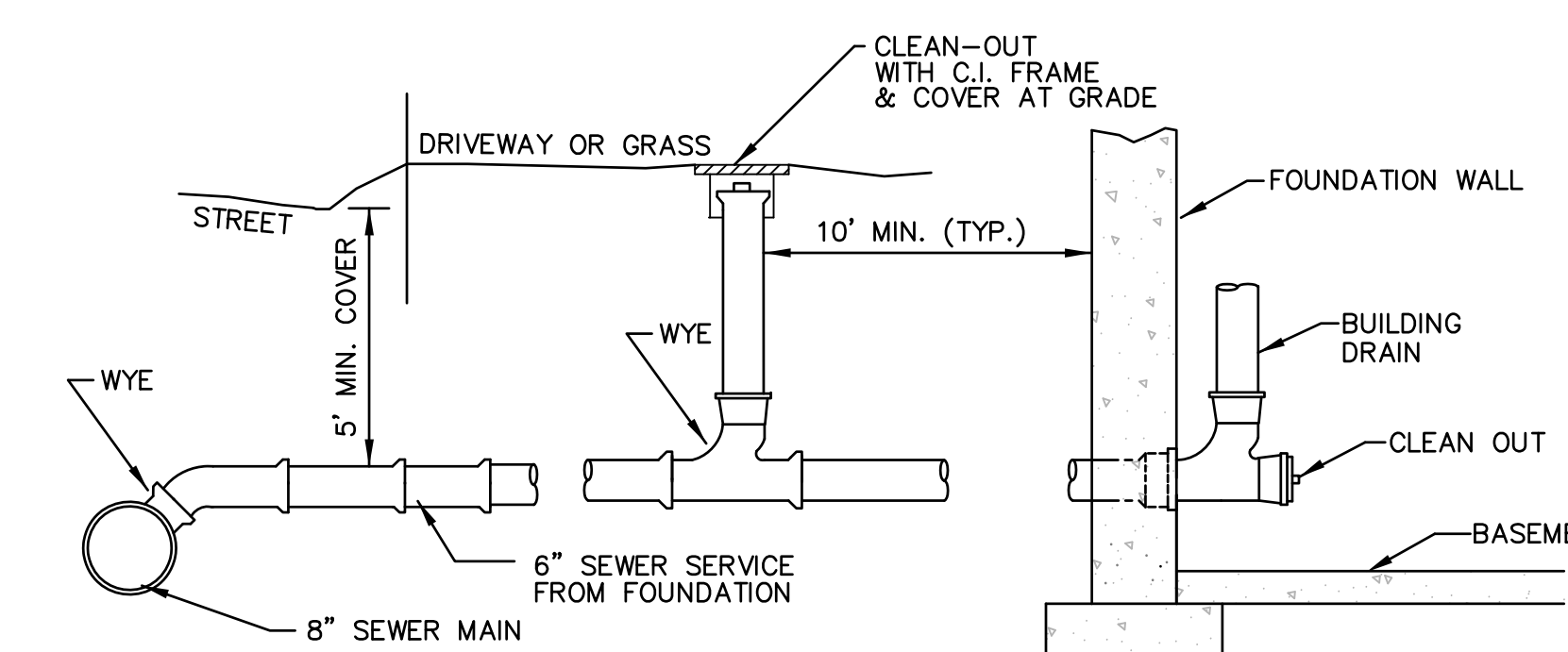


NOTE:
1. CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT. INVERT BRICKS SHALL BE LAID ON EDGE.
2. INVERT AND SHELF TO BE PLACED AFTER VACUUM TEST.

**SECTION B-B
SEWER MANHOLE PLAN**
NOT TO SCALE

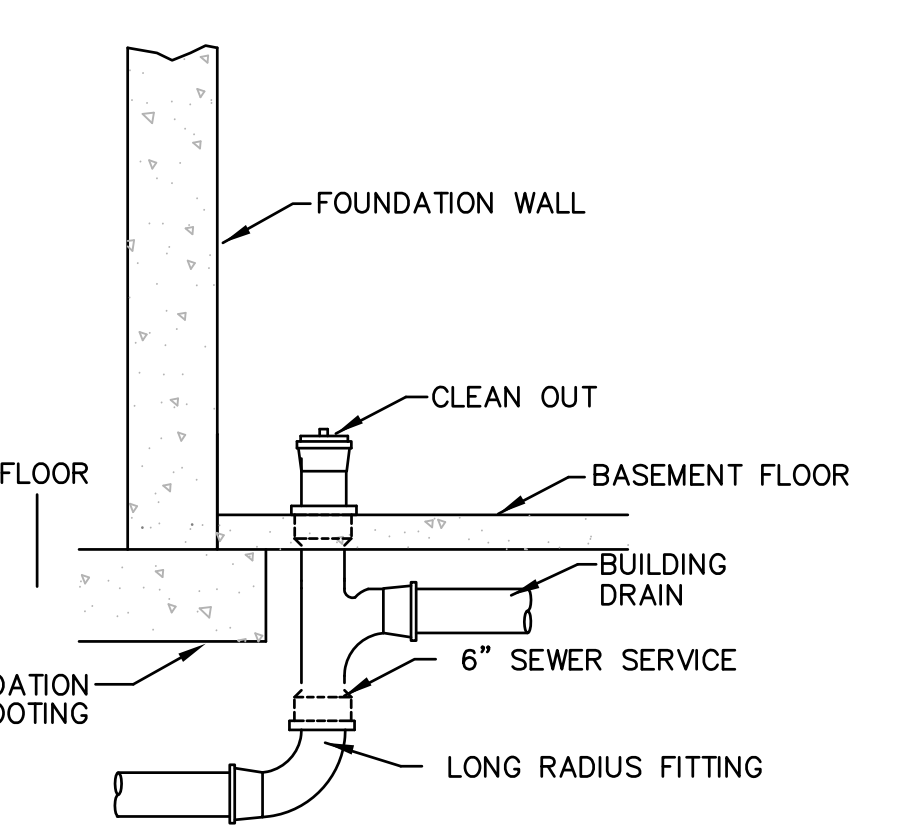


PIPE CONNECTION DETAIL
N.T.S.

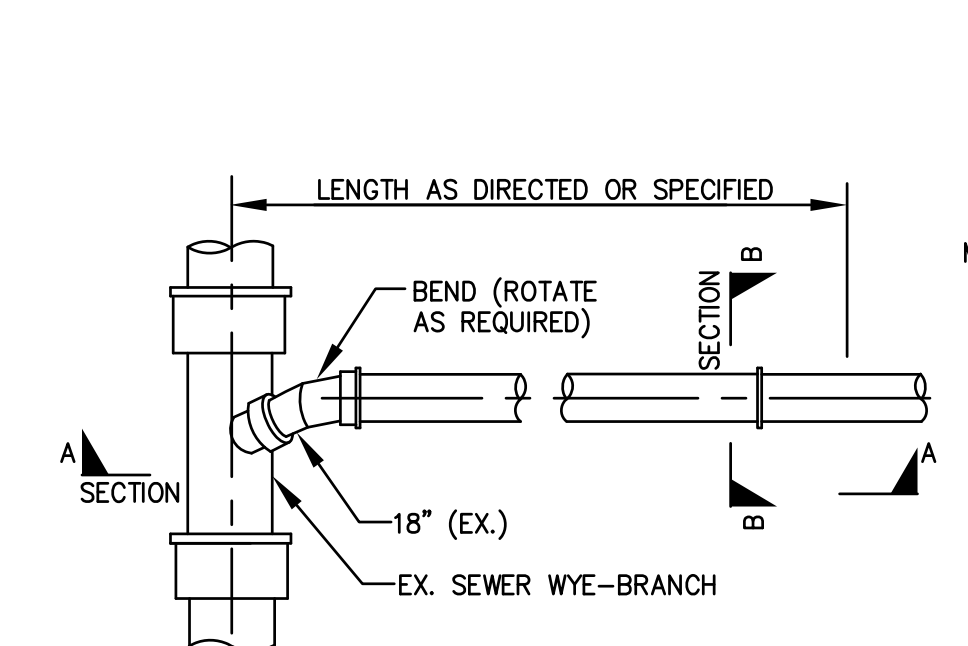


1. MINIMUM SLOPE = 1/4" PER FOOT
2. CHECK SEWER SERVICE INVERT OF EACH UNIT TO DETERMINE IF THE SERVICE WILL BE LOCATED ABOVE OR BELOW THE BASEMENT FLOOR OR IF A CHIMNEY IS REQUIRED AT THE SEWER MAIN.

TYPICAL SEWER SERVICE
N.T.S.



FLOOR PENETRATION

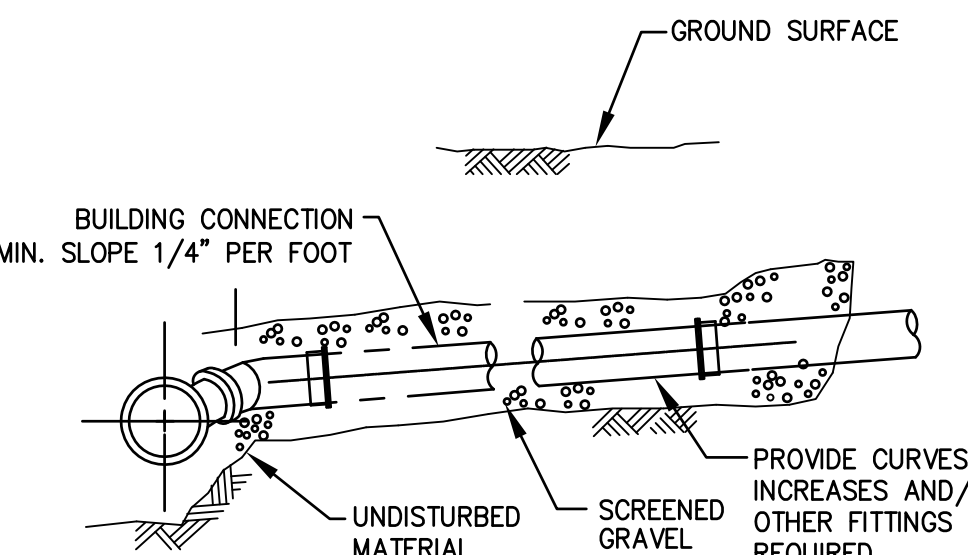


PLAN

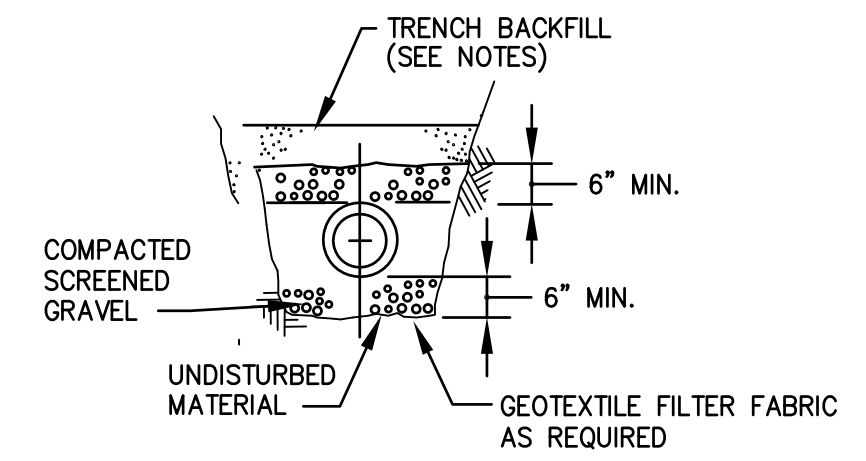
NOTES:

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.

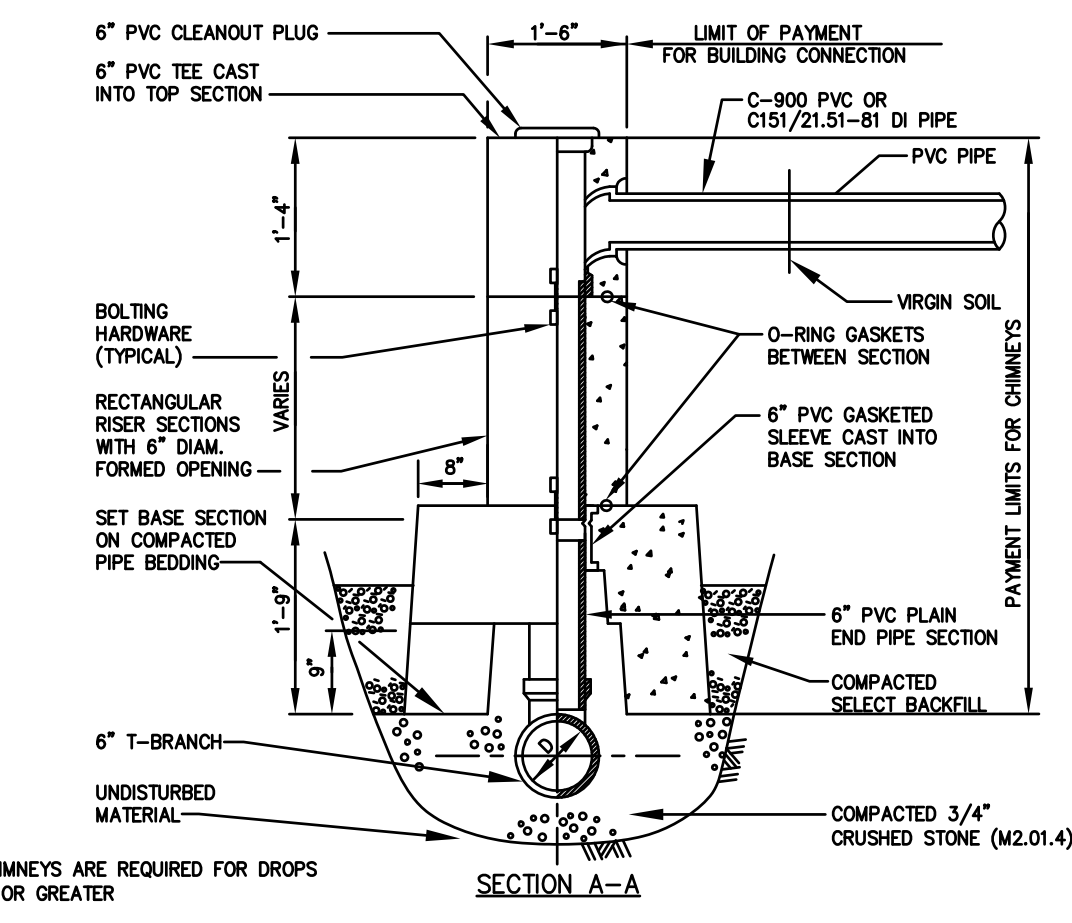
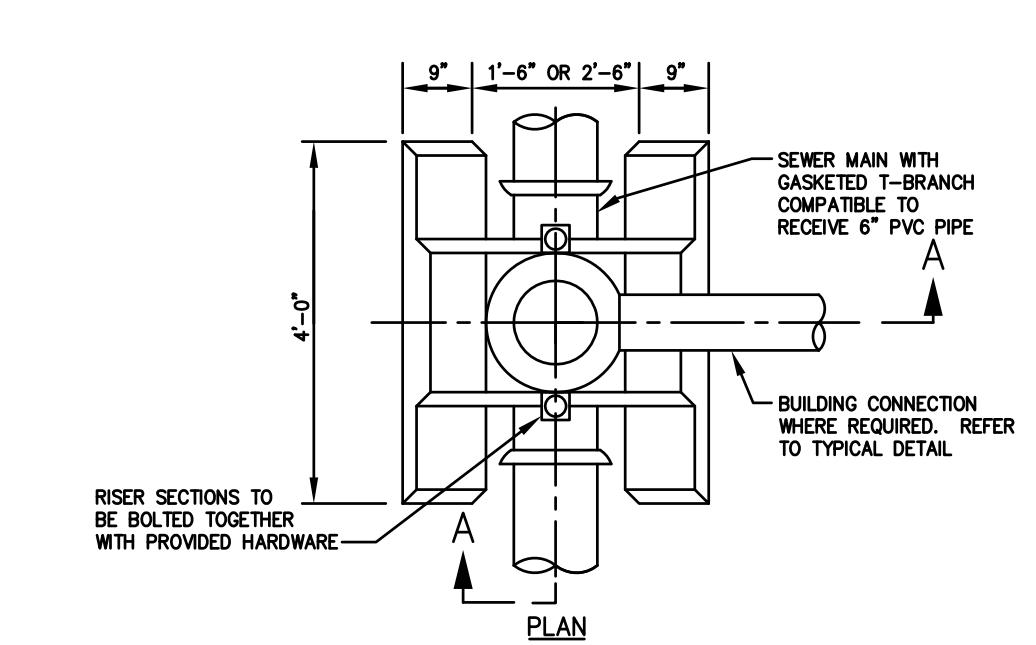
SEWER SERVICE DETAIL
N.T.S.



SECTION "A"



TRENCH SECTION "B"

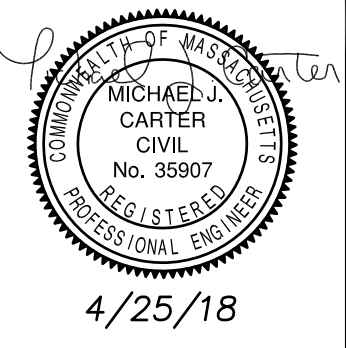


PRECAST REINFORCED CONCRETE SEWER CHIMNEY
N.T.S.

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/SESPPOOL 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
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



DETAIL SHEET V

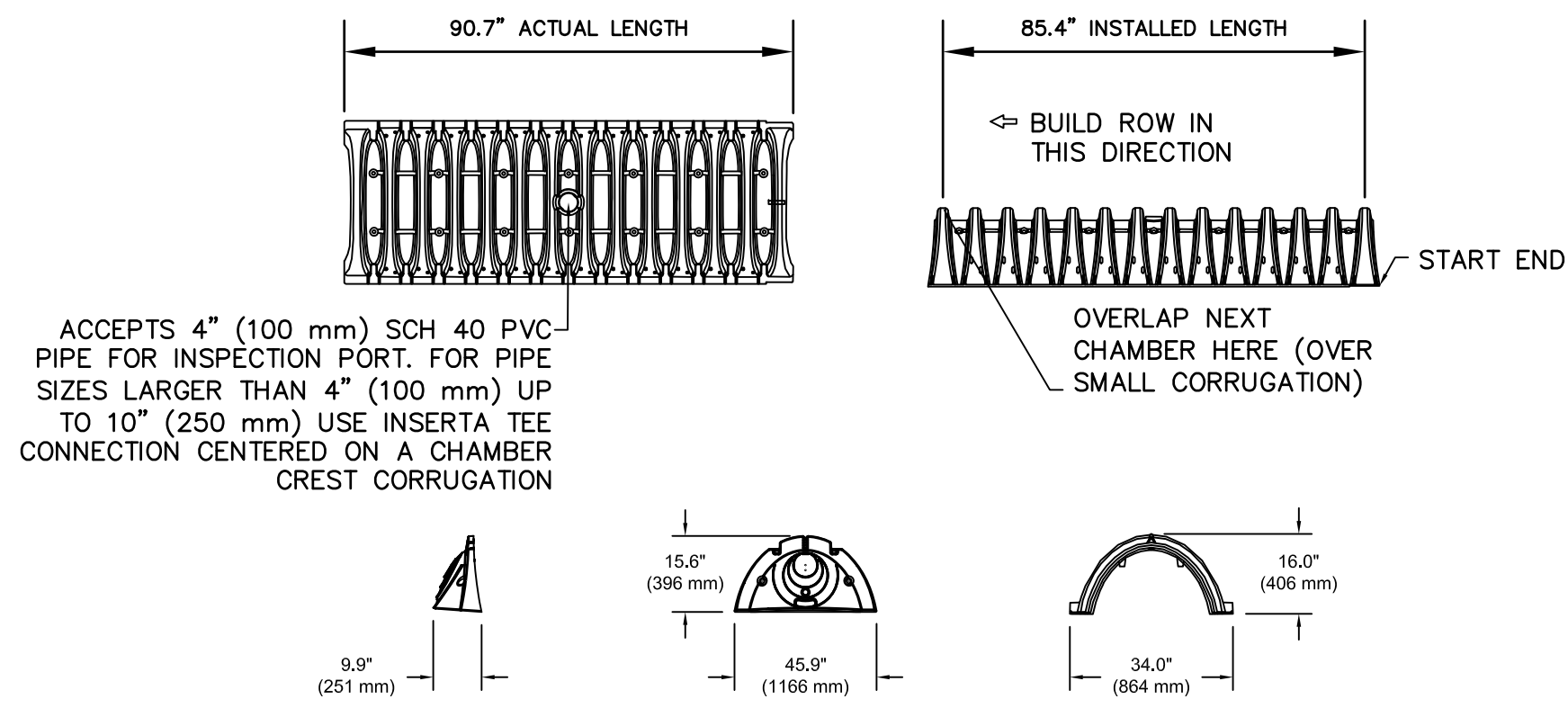
**ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY**

GCG ASSOCIATES, INC.

WILMINGTON MASSACHUSETTS

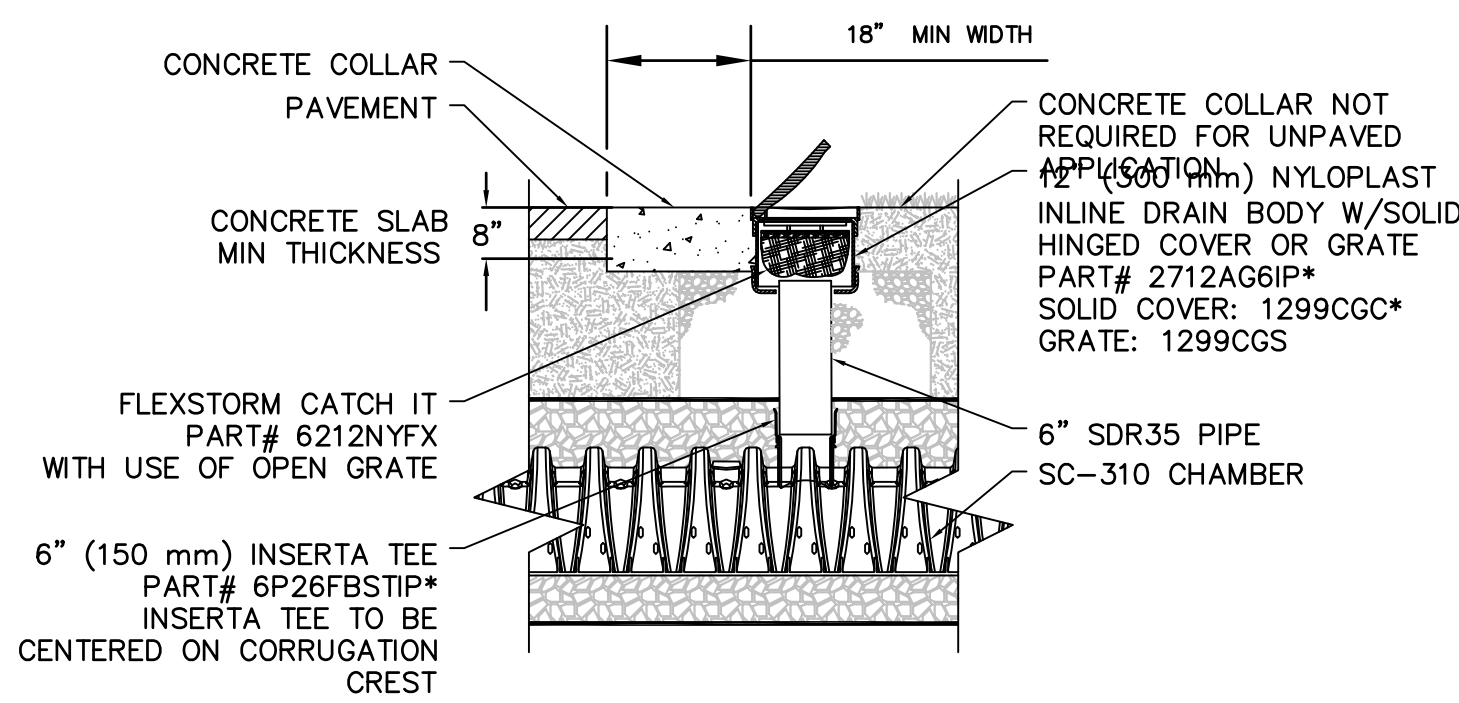
SCALE: AS NOTED DATE: DECEMBER 12, 2017

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-17 of 20
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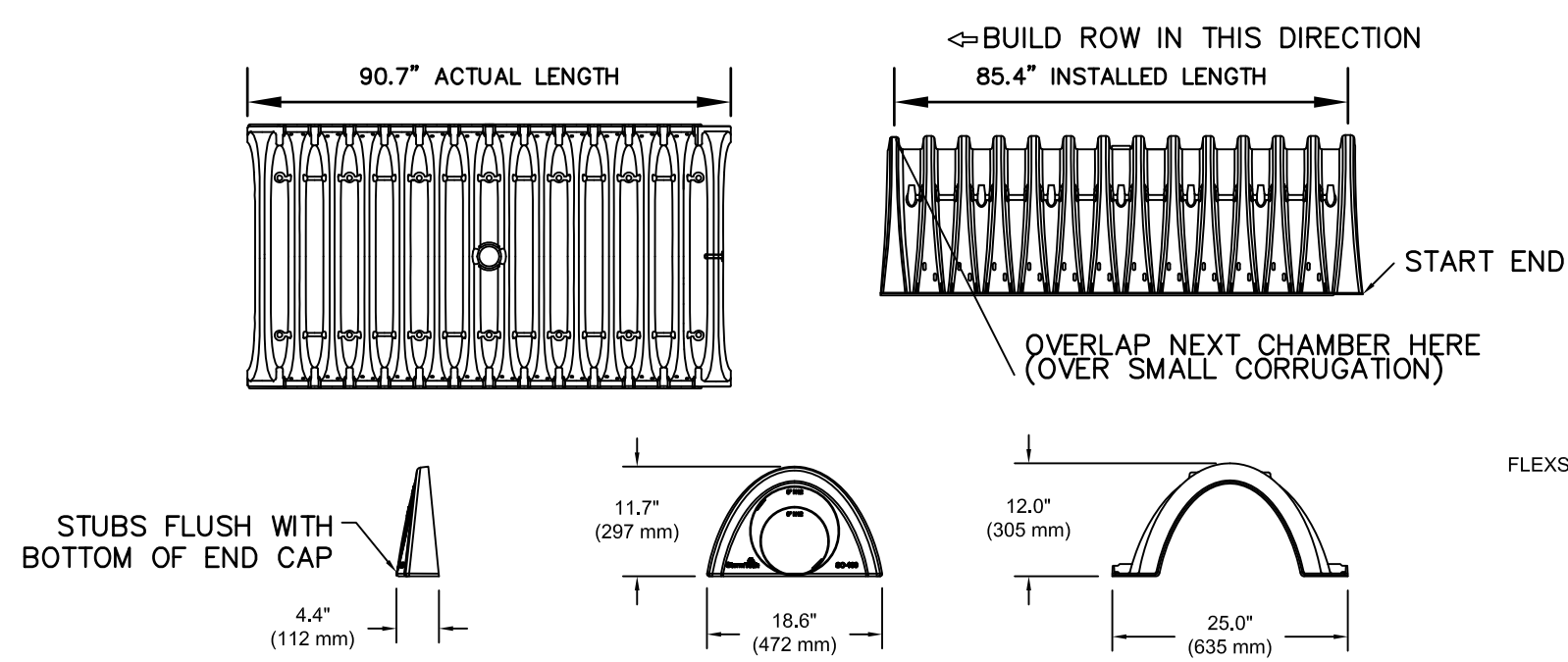


NOMINAL CHAMBER SPECIFICATIONS
 SIZE (W X H X INSTALLED LENGTH) 34.0" X 16.0" X 85.4"
 CHAMBER STORAGE 14.7 CUBIC FEET
 MINIMUM INSTALLED STORAGE* 31.0 CUBIC FEET
 WEIGHT 35.0 lbs.
 *ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS

STORMTECH SC-310 INFILTRATION CHAMBERS
N.T.S.

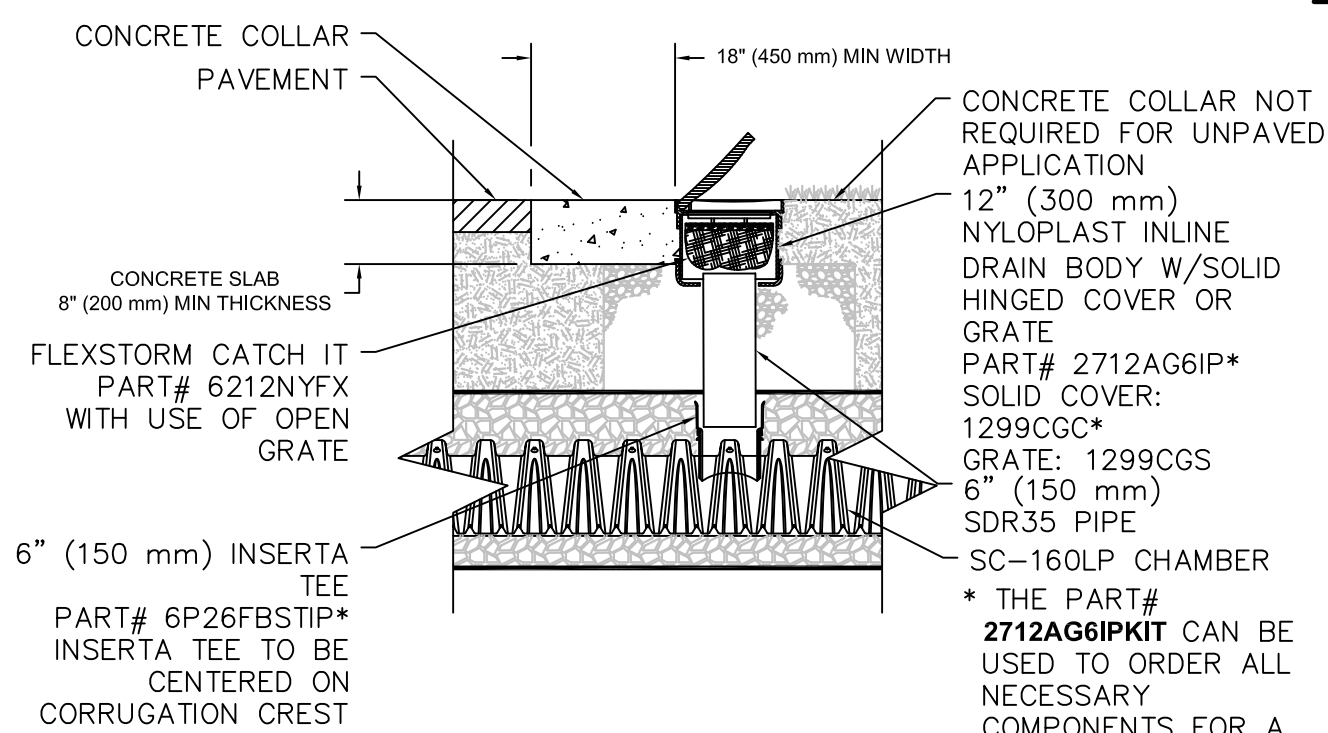


SC-310 6" INSPECTION PORT DETAIL
N.T.S.

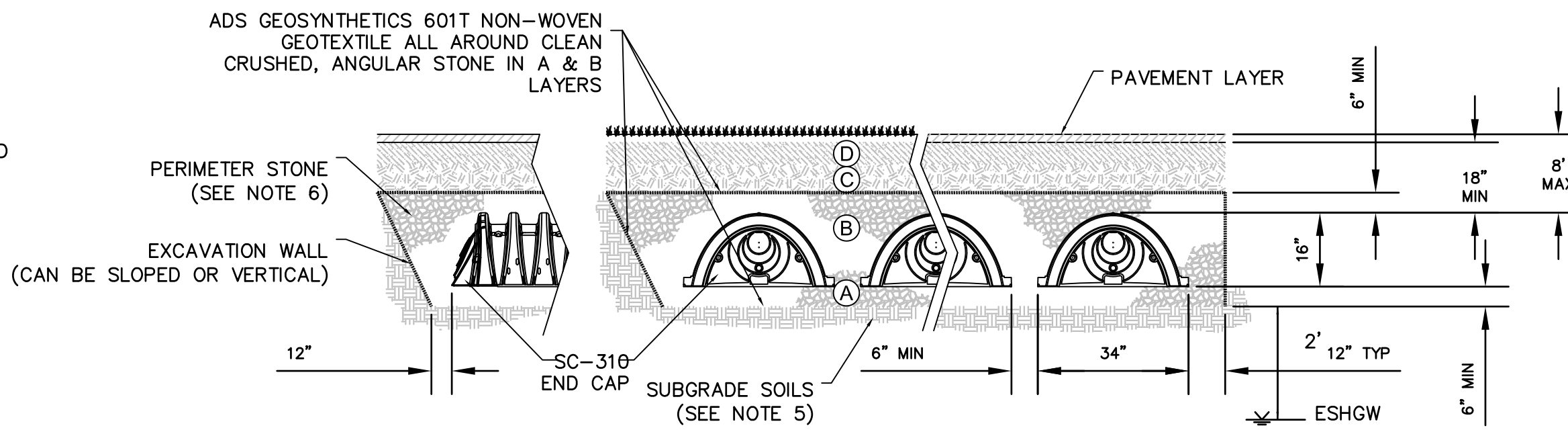


SC-160 LP NOMINAL CHAMBER SPECIFICATIONS
 SIZE (W X H X INSTALLED LENGTH) 25.0" X 12.0" X 85.4"
 CHAMBER STORAGE 6.85 CUBIC FEET
 MINIMUM INSTALLED STORAGE* 16.0 CUBIC FEET
 *ASSUMES 6" STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

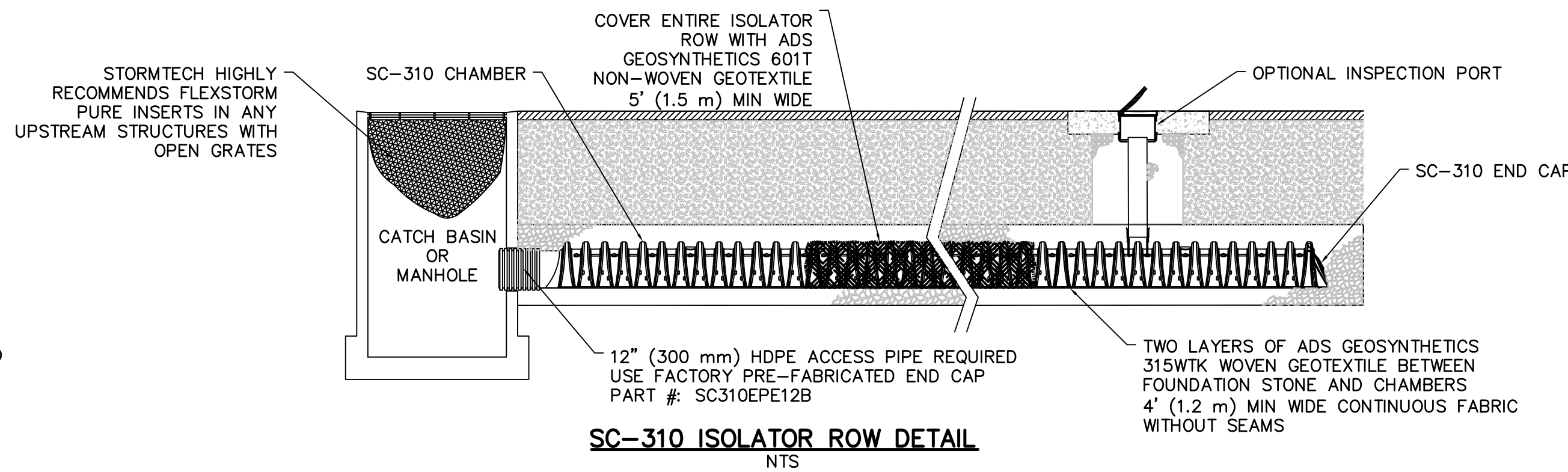
STORMTECH SC-160LP INFILTRATION CHAMBERS
N.T.S.



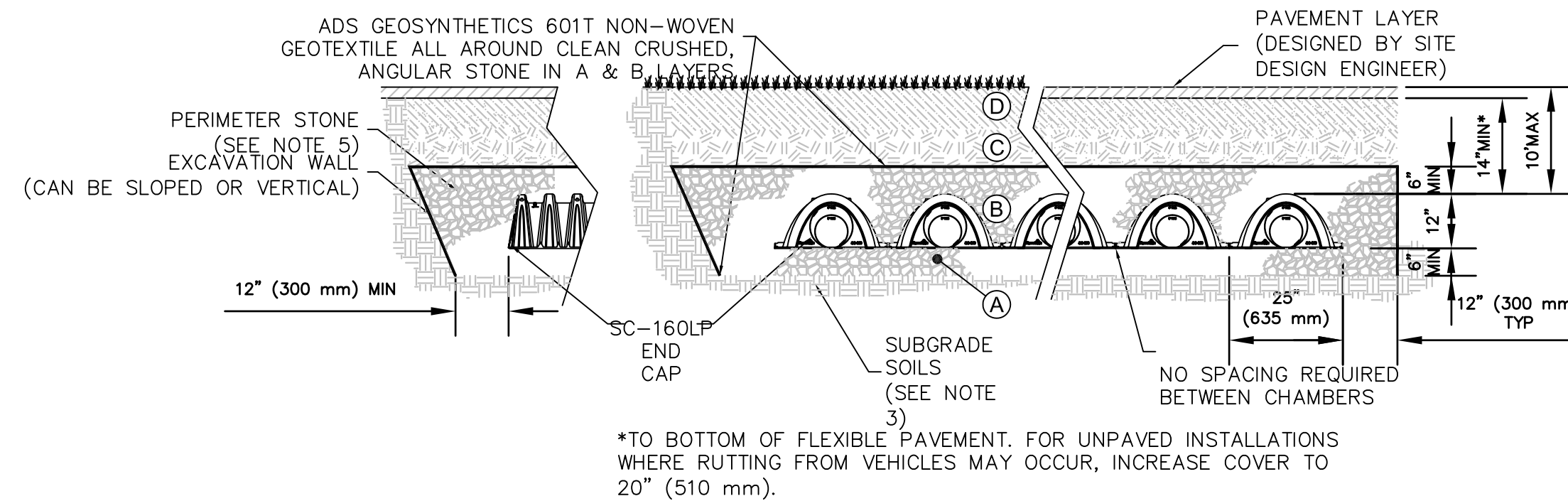
SC-160LP 6" INSPECTION PORT DETAIL
N.T.S.



STORMTECH SC-310 (INFILTRATION BED) TYPICAL CROSS SECTION
N.T.S.



SC-310 ISOLATOR ROW DETAIL
N.T.S.



SC-160LP ISOLATOR ROW DETAIL
N.T.S.

SOIL TEST DATA - DEEP OBSERVATION HOLE

TEST NO.	TH#1	DATE	ELEV	
		2/1/18	113.5'	
HORIZON	DEPTH	TEXTURE	COARSE %	COLOR
A	0-34"	FILL/ TOPSOIL		
Bw	34-56"	LOAMY SAND	15% GRAVEL	7.5YR 5/6
C1	56-74"	COARSE SAND	40% GRAVEL	10YR 6/3
C2	74-103"	GRAVELLY LS	50% 10" STONE	2.5Y 4/3
	103"+	BOULD/LEDGE		

DEPTH TO GW: NOT ENCOUNTERED
NOTE: NO MOTTLING

TEST NO.	TH#4	DATE	ELEV	
		2/1/18	99.70±	
HORIZON	DEPTH	TEXTURE	COARSE %	COLOR
PAVE	0-7"			
Bw	7-15"	MED SAND	20% COBBLES	10YR 5/6
B2	15-42"	SAND		10YR 5/6
C1	42-54"	LOAMY SAND		10YR 4/3
C2	54-68"	COARSE SAND	10% GRAVEL	2.5Y 6/2

DEPTH TO GW: WEeping @ 60", STANDING WATER @ 66"
NOTE: MOTTLES 2" BELOW STANDING WATER (@68"), 5YR 5/6, ESHGW = 94.70'

TEST NO.	TH#2	DATE	ELEV	
		2/1/18	122.0'	
HORIZON	DEPTH	TEXTURE	COARSE %	COLOR
A	0-16"	FILL/ TOPSOIL		
Bw	16-36"	LOAMY SAND	15% GRAVEL	7.5YR 5/6
C1	36-54"	COARSE SAND	40% GRAVEL	10YR 6/3
C2	54-96"	GRAVELLY LS	50% 10" STONE	2.5Y 4/3
	96"+	BOULD/LEDGE		

DEPTH TO GW: NOT ENCOUNTERED
NOTE: NO MOTTLING

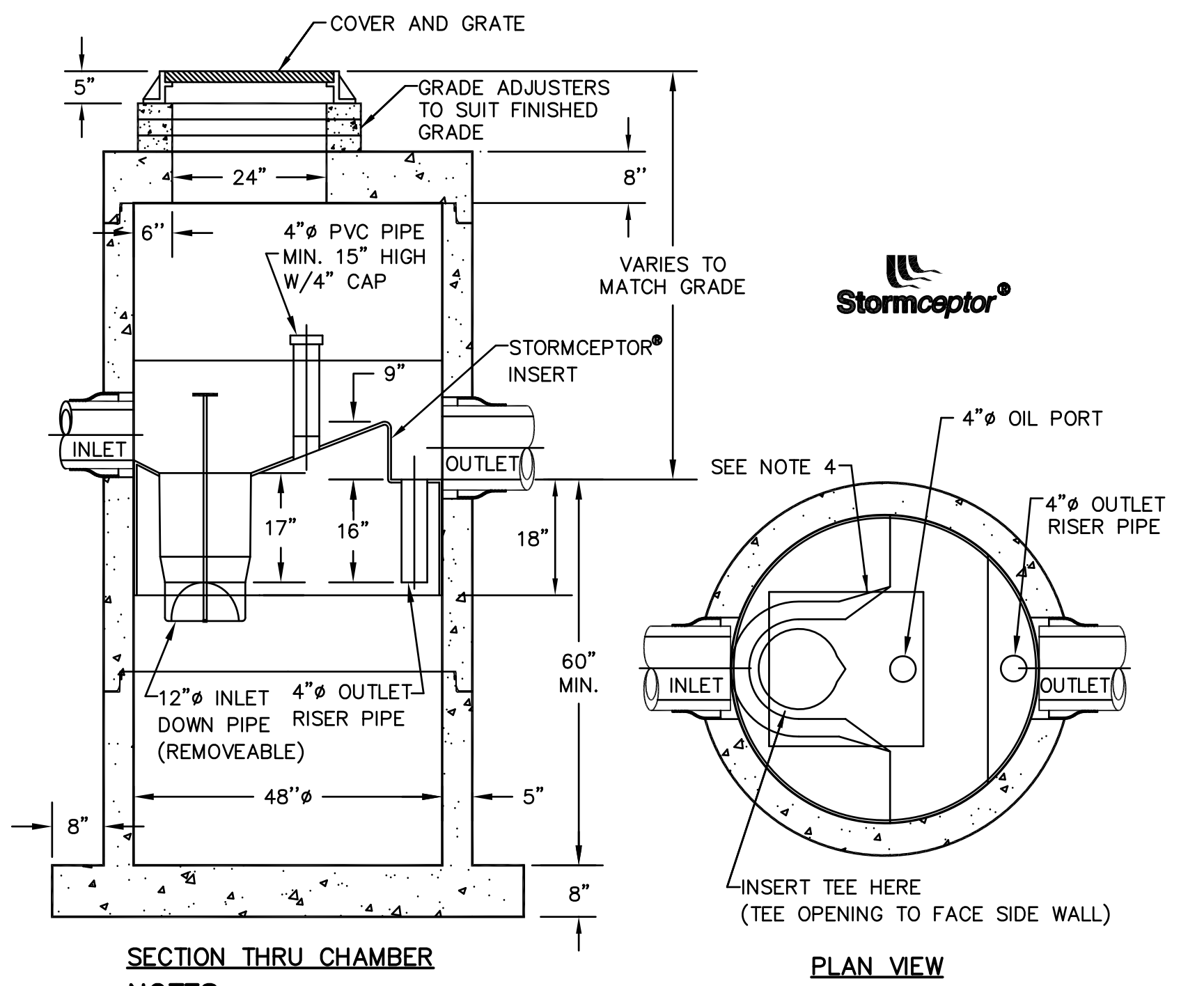
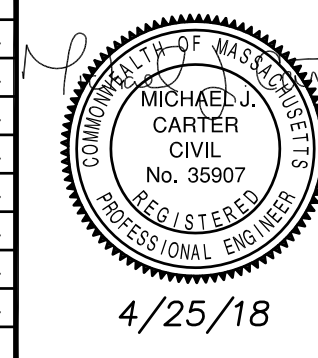
TEST NO.	TH#5	DATE	ELEV	
		2/1/18	99.85'	
HORIZON	DEPTH	TEXTURE	COARSE %	COLOR
PAVE	0-6"			
FILL	6-36"	MED/COARS SND	20% COBBLES	2.5Y 6/2
Ab	36-40"	LOAMY SND/ORG	GRAN/FRIABLE	10YR 2/2
B	40-59"	COARSE SAND	50% COBBLES	10YR 4/4

DEPTH TO GW: WEeping @ 55", STANDING WATER @ 59"
NOTE: NO MOTTLES OBSERVED, ESHGW = 95.27'

TEST NO.	TH#3	DATE	ELEV	
		2/1/18	108.87'	
HORIZON	DEPTH	TEXTURE	COARSE %	COLOR
Ap	0-6"	FILL/ TOPSOIL		
C1	6-32"	LOAMY SAND	5% 10" STONE	10YR 6/3
C2	32-72"	COARSE SAND	50% 10" STONE	2.5Y 4/3
	72"+	BOULD/LEDGE		

DEPTH TO GW: NOT ENCOUNTERED
NOTE: NO MOTTLING

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



SECTION THRU CHAMBER

PLAN VIEW

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

WATER QUALITY STRUCTURE DETAIL
N.T.S.

SC-740 CHAMBER NOTES:

- 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".
- SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN OF THE STORMTECH CHAMBERS FOR THIS PROJECT.
- 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.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 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:

- SC-160LP CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- 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.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 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.

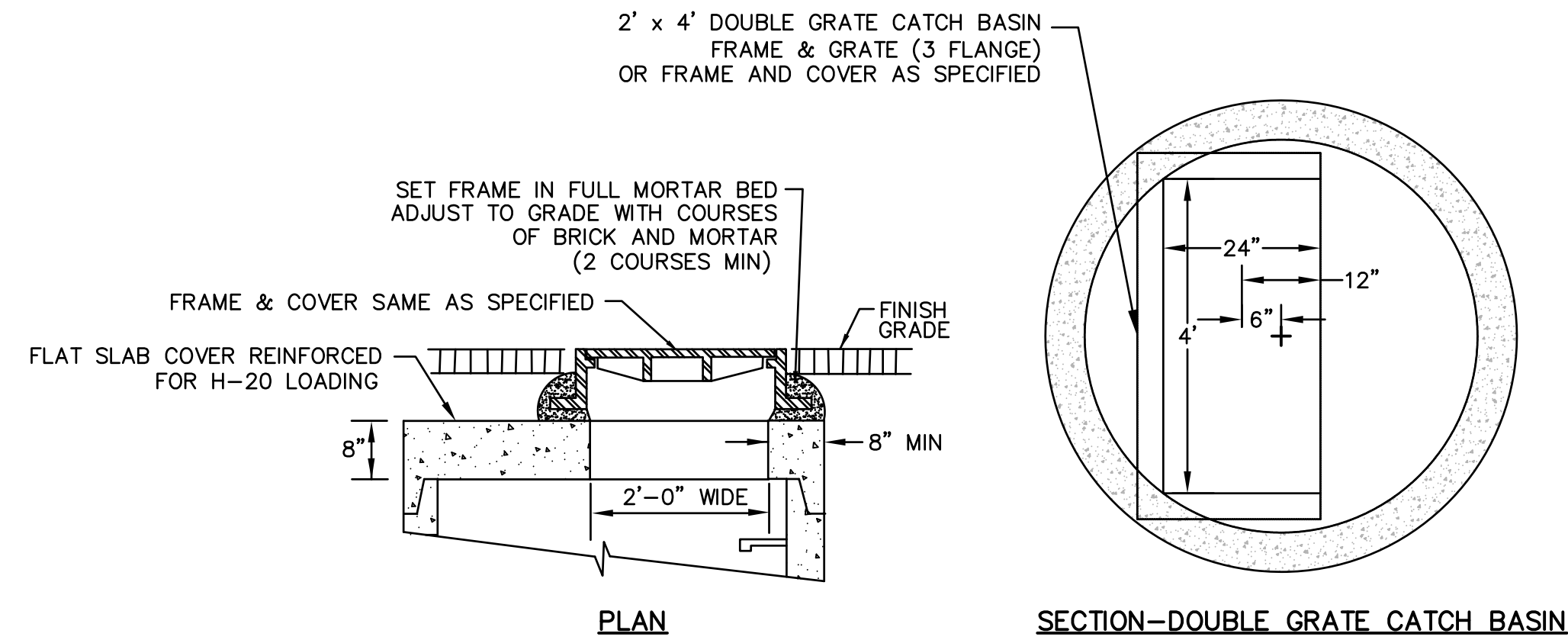
DETAIL SHEET VI

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

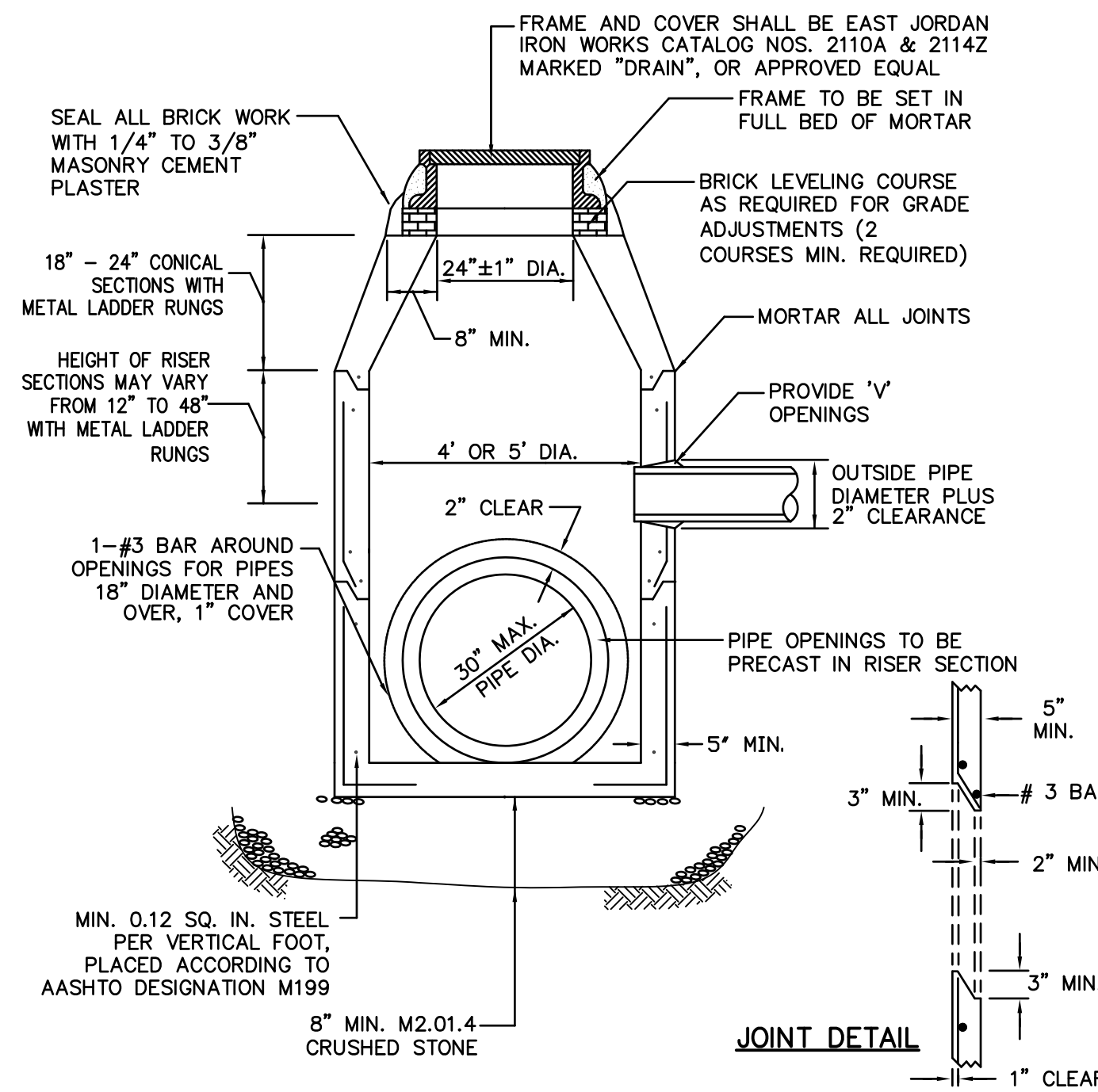
SCALE: AS NOTED DATE: DECEMBER 12, 2017

JOB NO./FILE NAME: 1753-COVER_DETAILS DESIGNED BY: S.B.H. PLAN NO. C-18 OF 20
DRAWN BY: S.B.H.
CHECKED BY: M.J.C.

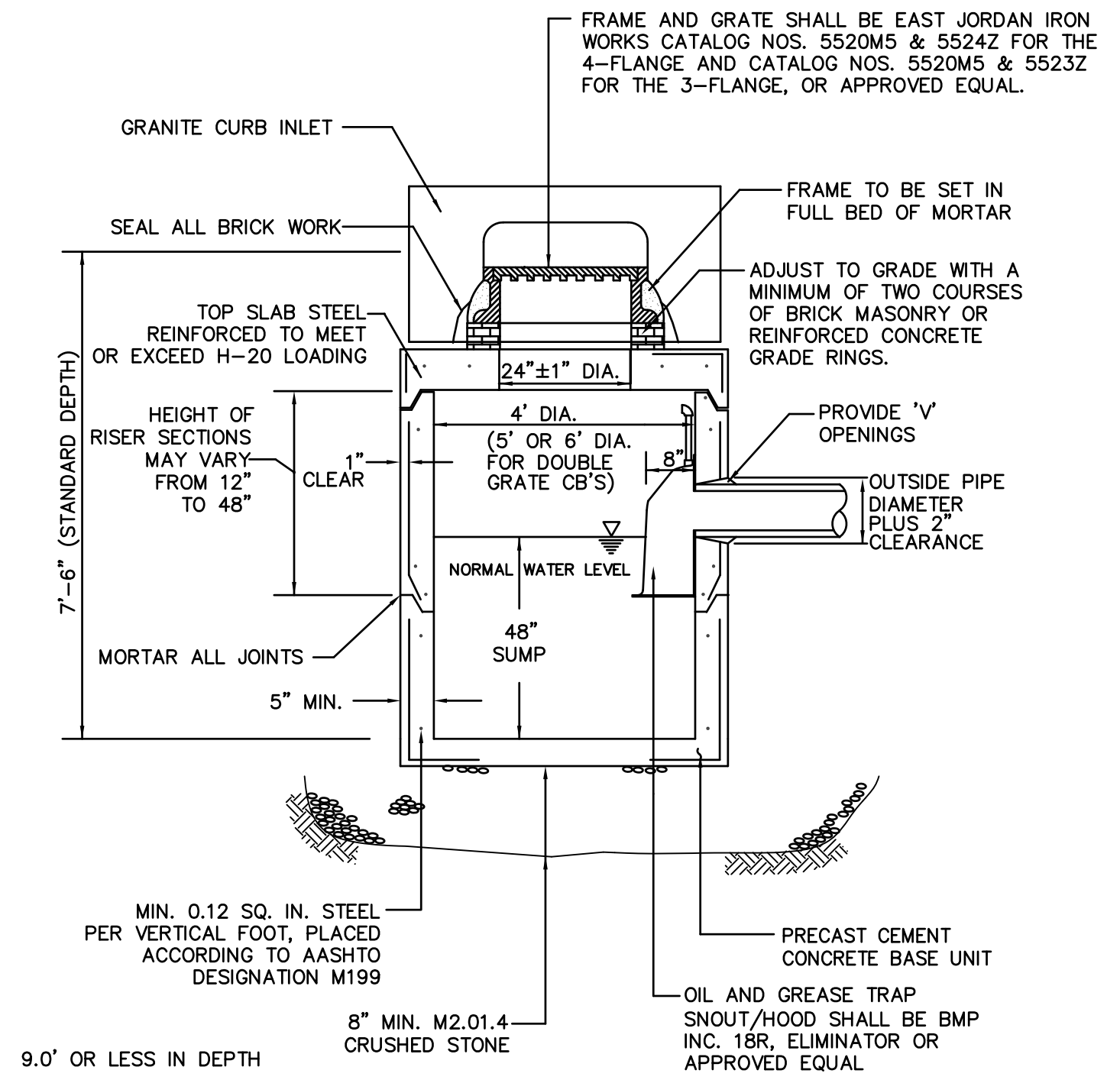


NOTE:
OFFSET TOPS TO BE USED ON PROPOSED CATCH BASINS AND MANHOLES THAT ARE IN CLOSE PROXIMITY TO OTHER UTILITIES.

ALTERNATE OFFSET TOP FOR DRAINAGE STRUCTURES
NTS



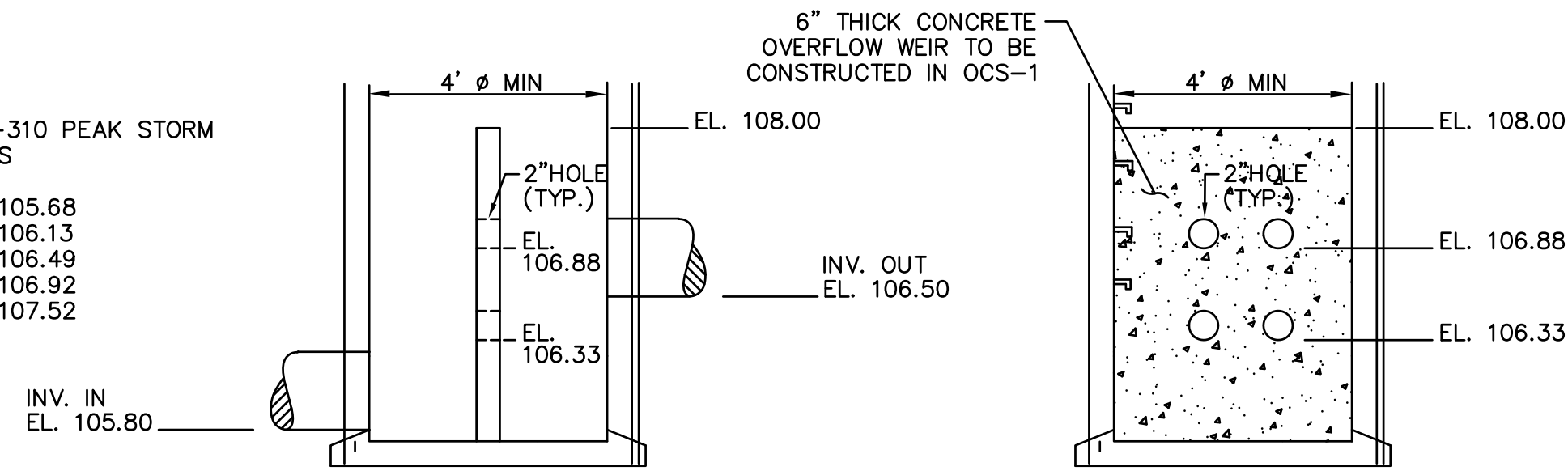
PRECAST CONCRETE DRAIN MANHOLE
N.T.S.



PRECAST CONCRETE CATCH BASIN W/4' SUMP
N.T.S.

INF#1, SC-310 PEAK STORM ELEVATIONS

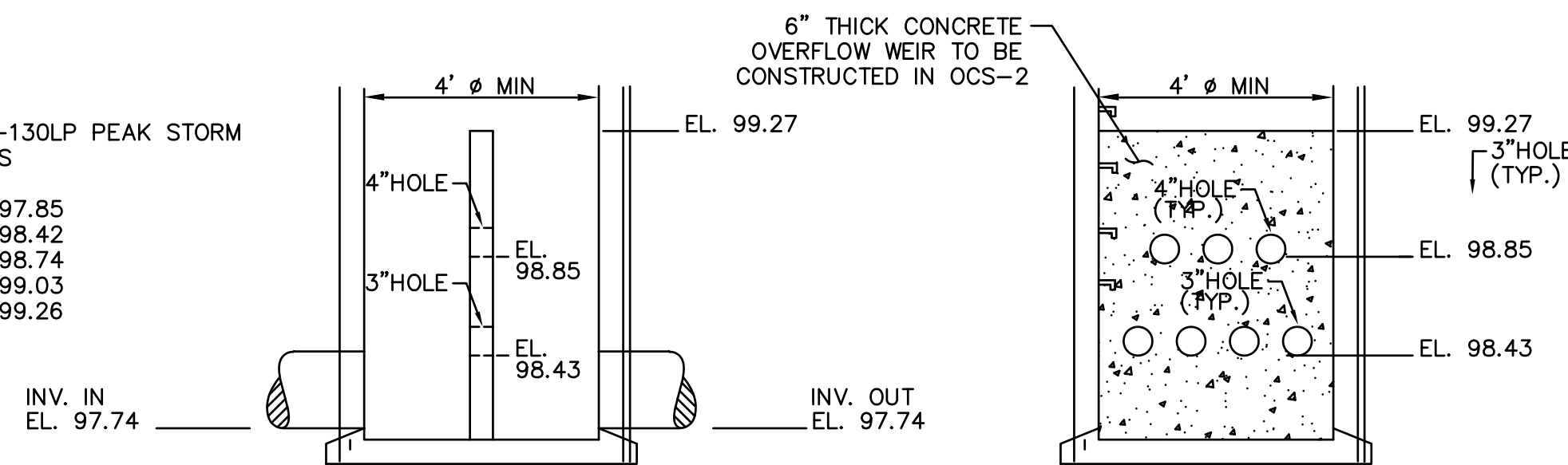
2-YR	105.68
10-YR	106.13
25-YR	106.49
50-YR	106.92
100-YR	107.52



OUTLET CONTROL STRUCTURE (OCS-1)
NTS

INF#2, SC-130LP PEAK STORM ELEVATIONS

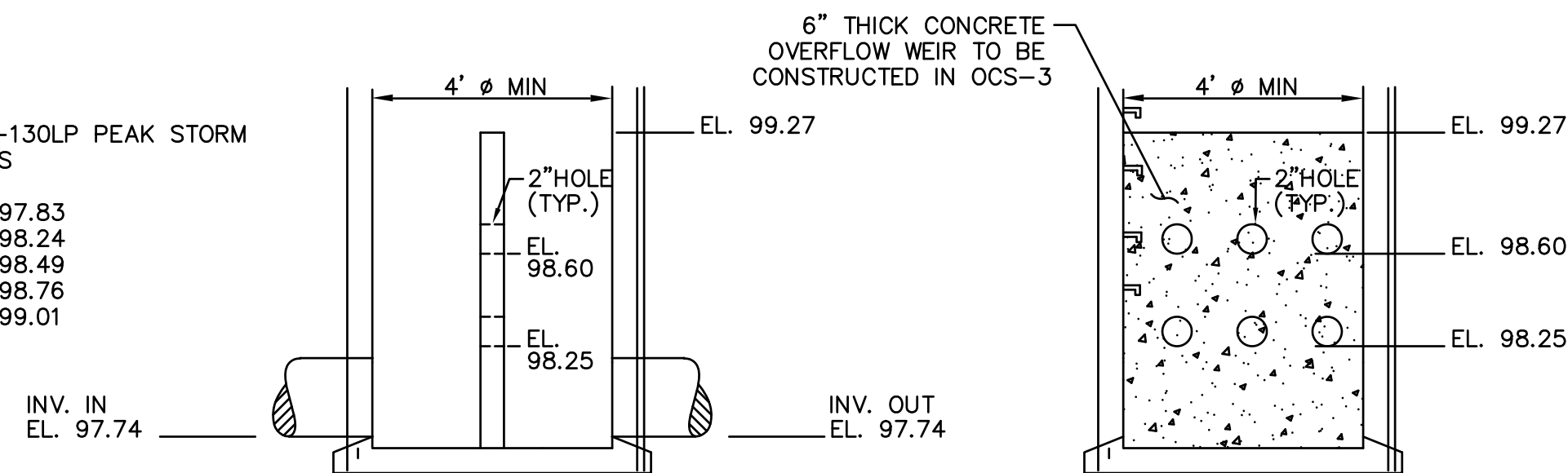
2-YR	97.85
10-YR	98.42
25-YR	98.74
50-YR	99.03
100-YR	99.26



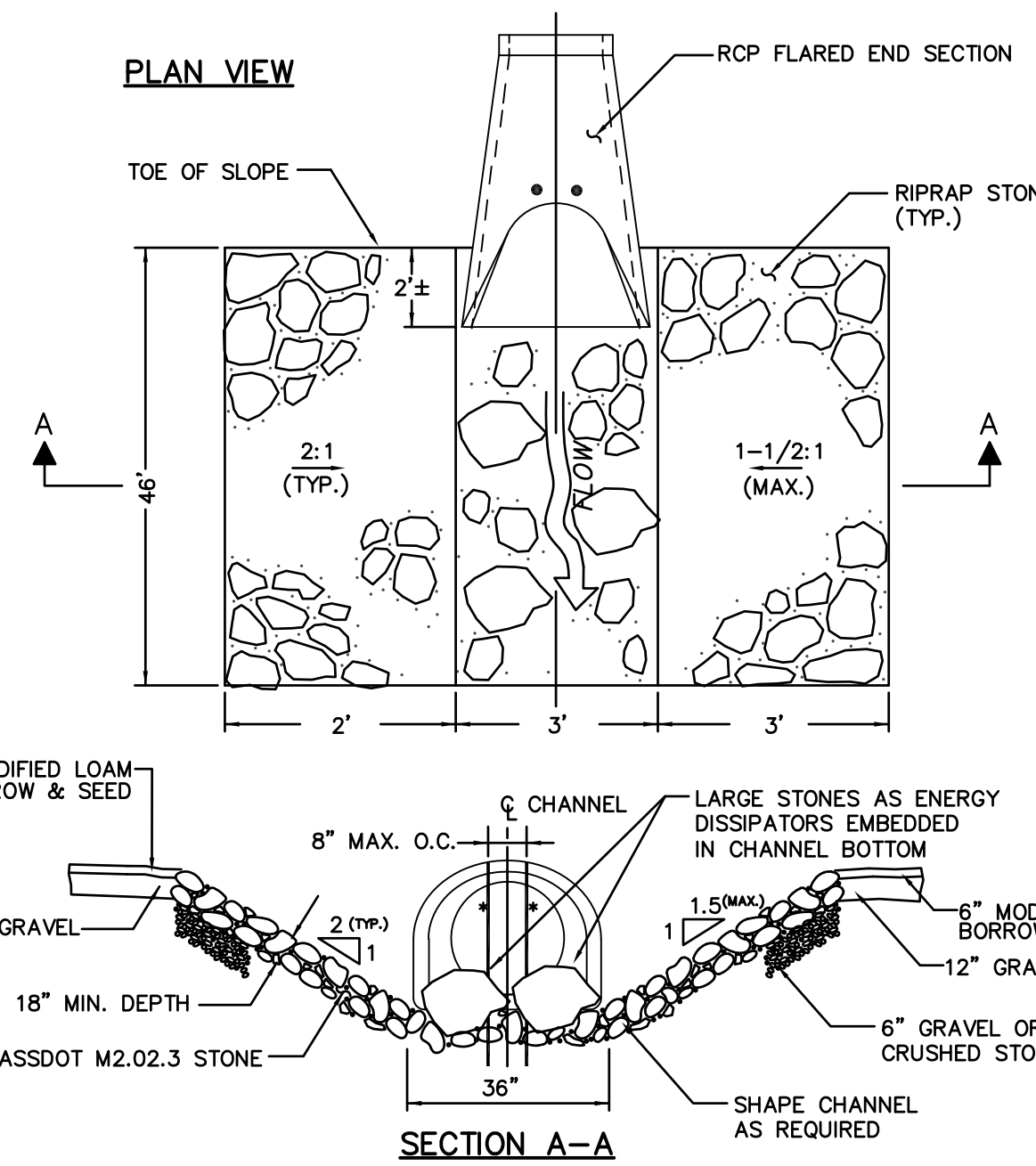
OUTLET CONTROL STRUCTURE (OCS-2)
NTS

INF#3, SC-130LP PEAK STORM ELEVATIONS

2-YR	97.83
10-YR	98.24
25-YR	98.49
50-YR	98.76
100-YR	99.01



OUTLET CONTROL STRUCTURE (OCS-3)
NTS

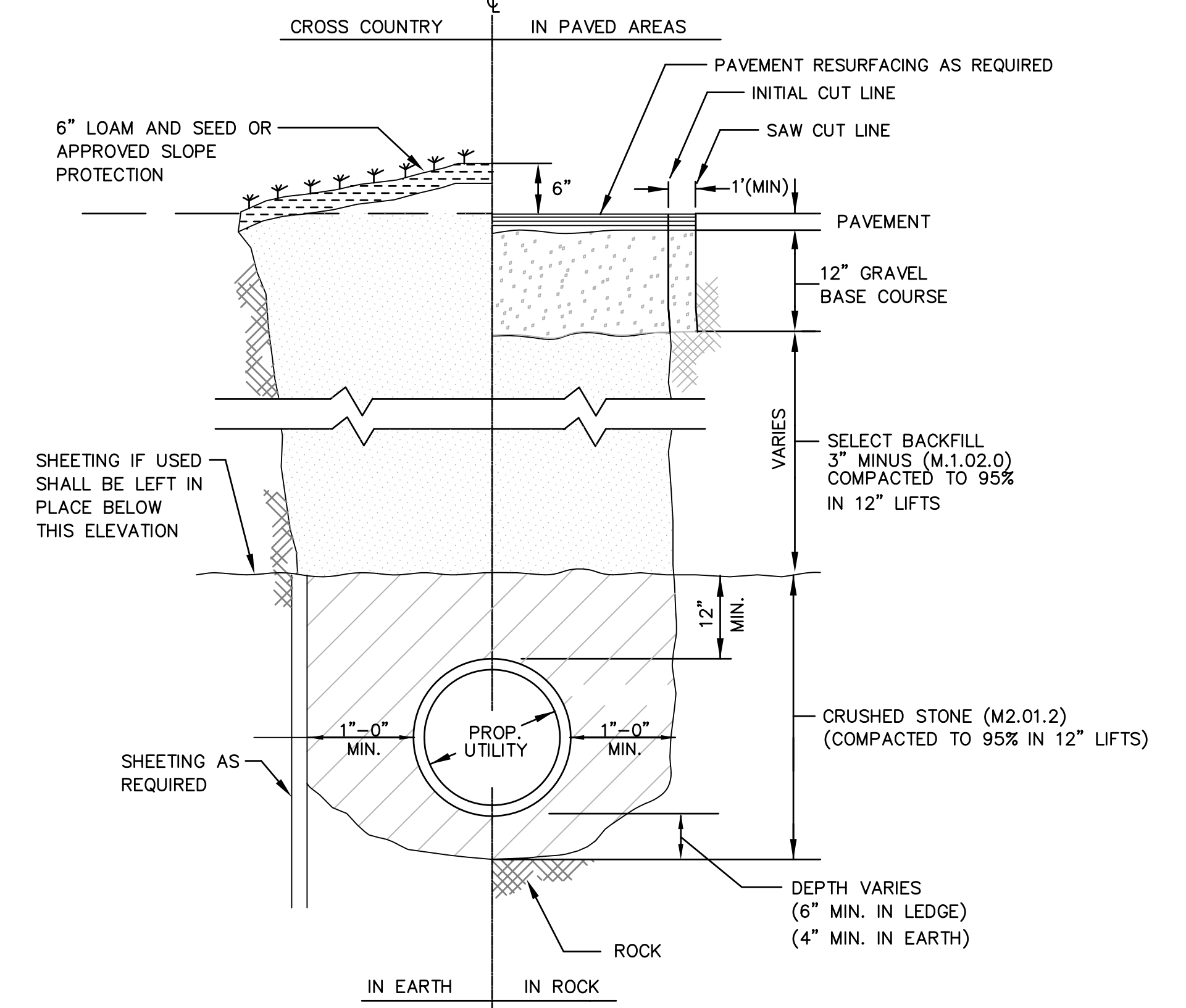


* PROVIDE #4 EPOXY COATED REBAR TO PREVENT A CHILD FROM CRAWLING INTO PIPE (MAXIMUM SPACING 8" O.C.)

RIP-RAP VELOCITY DISSIPATOR
N.T.S.

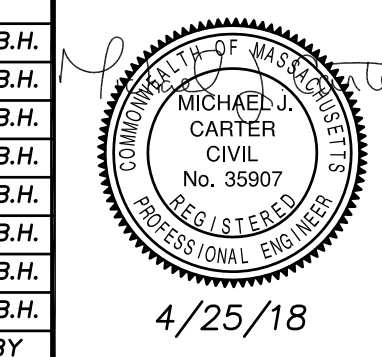
EROSION & SEDIMENT CONTROL NOTES:

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 DETEIORATED BLANKETS AND ADD LOAM AND RE-SEED ERODED AREAS AND RE-STABLE OR PIN FABRIC MATERIAL AS NEEDED.



TYPICAL DRAIN TRENCH DETAIL
N.T.S.

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



DETAIL SHEET VII

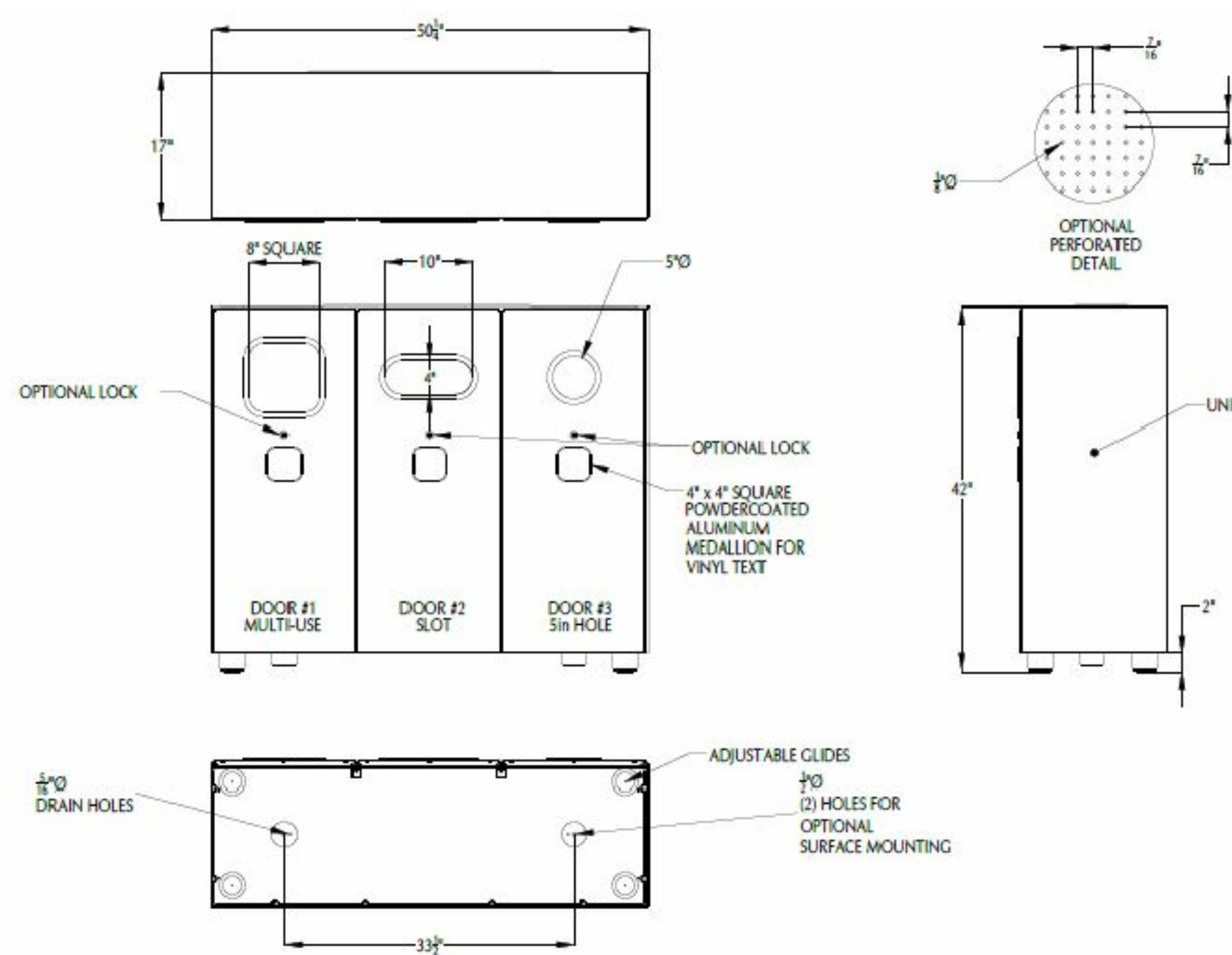
**ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY**

GCG ASSOCIATES, INC.

WILMINGTON MASSACHUSETTS

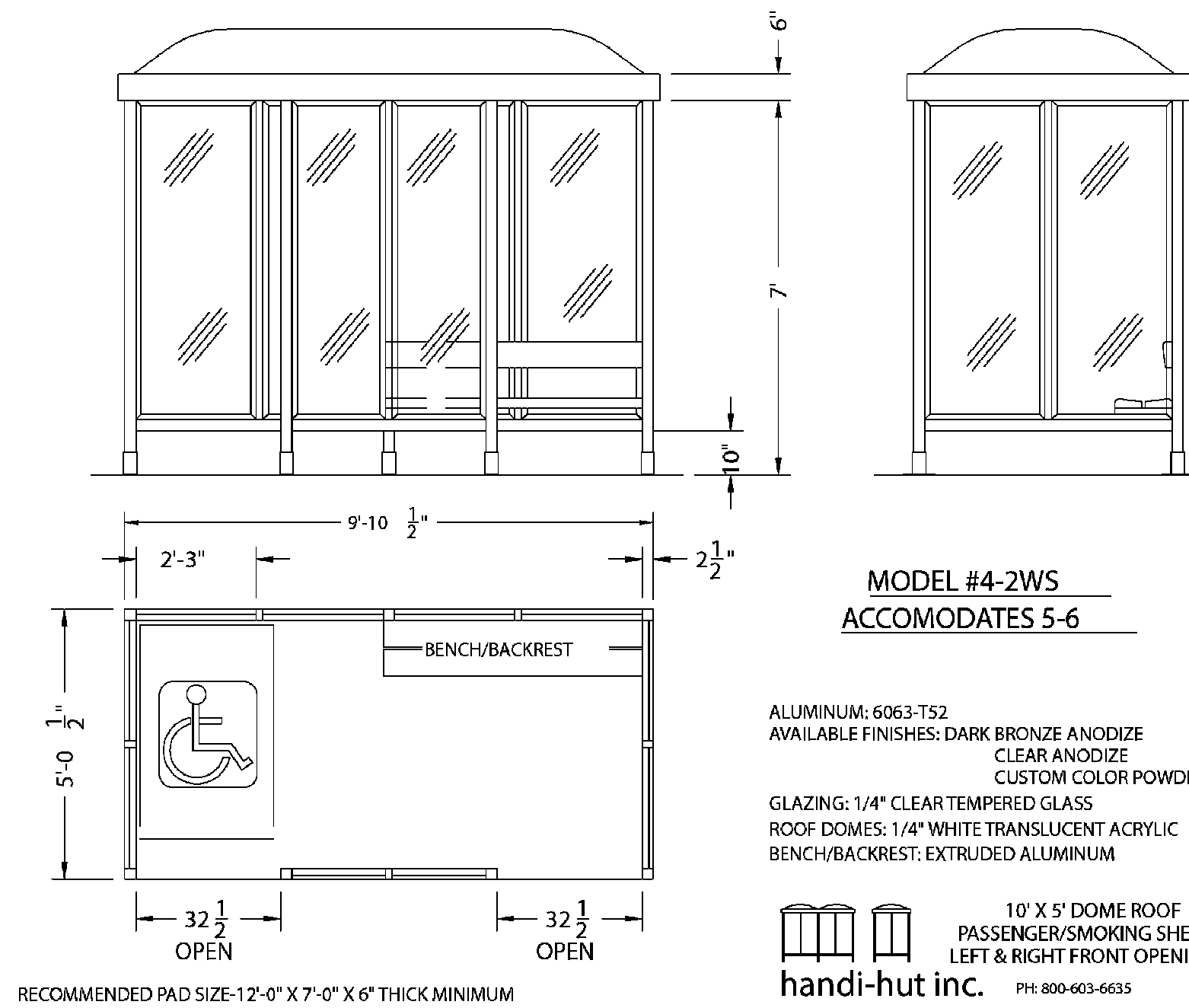
SCALE: AS NOTED DATE: DECEMBER 12, 2017

JOB NO. \ FILE NAME:	DESIGNED BY: S.B.H.	PLAN NO.
1753-COVER_DETAILS	DRAWN BY: S.B.H.	C-19 of 20
	CHECKED BY: M.J.C.	

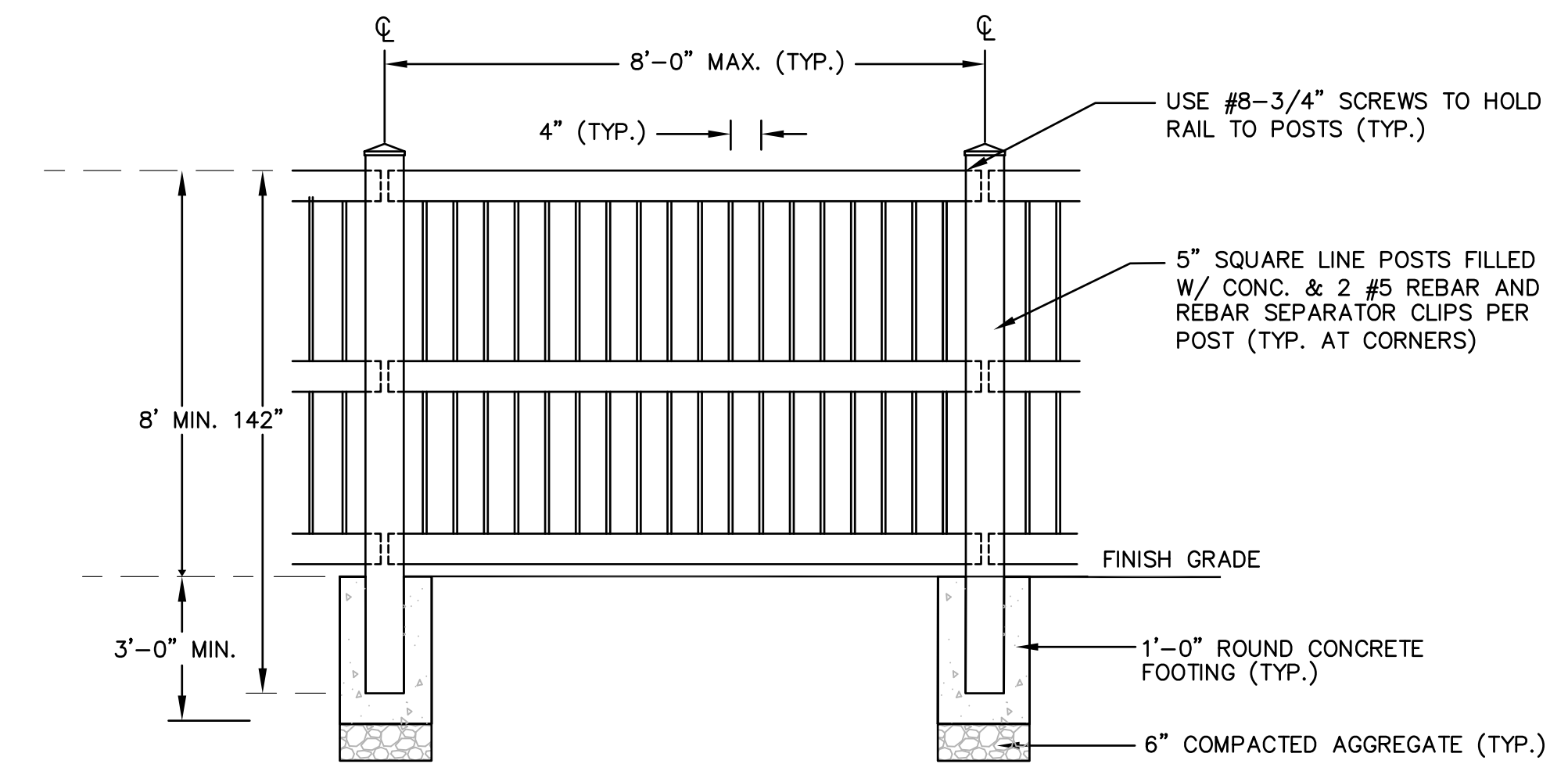


TRASH AND RECYCLING RECEPTACLE
N.T.S.

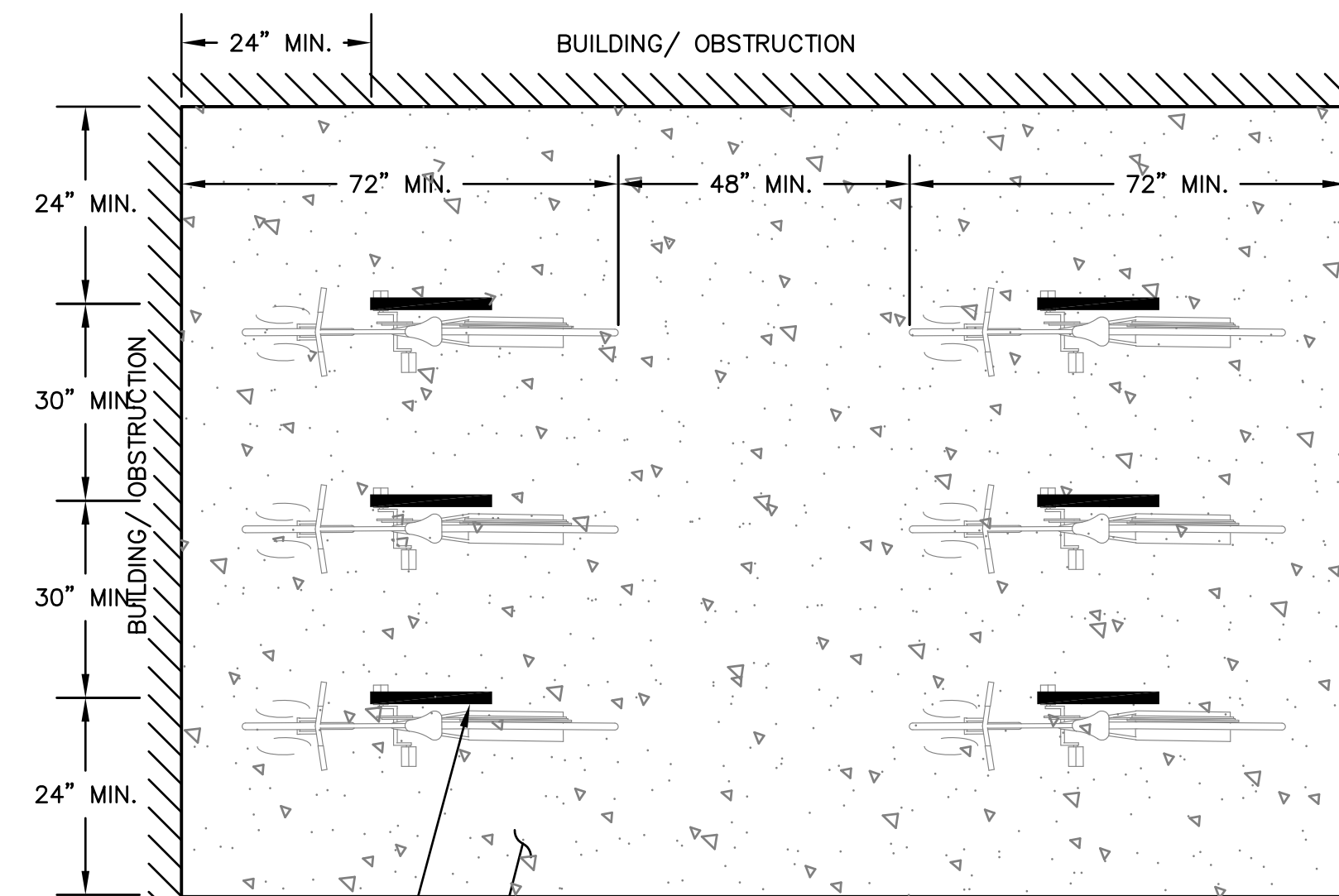
SELECT MODEL BY LANDSCAPE FORMS COMBINED LITTER AND RECYCLING RECEPTACLE WITH BLACK POWDERCOAT FINISH, TRIPLE-SIDE OPENING, 75 GALLON, WITH DOOR OPENINGS AND STANDARD LANDSCAPE FORMS TRASH RECEPTACLE SIGNAGE AS FOLLOWS:
DOOR 1: MULTI-USE OPENING WITH "TRASH ONLY" SIGN
DOOR 2: SLOT OPENING WITH "PAPER" SIGN
DOOR 3: HOLE OPENING WITH "BOTTLES AND CANS" SIGN



BUS SHELTER (HANDI-HUT, MODEL #4-2WS)
N.T.S.

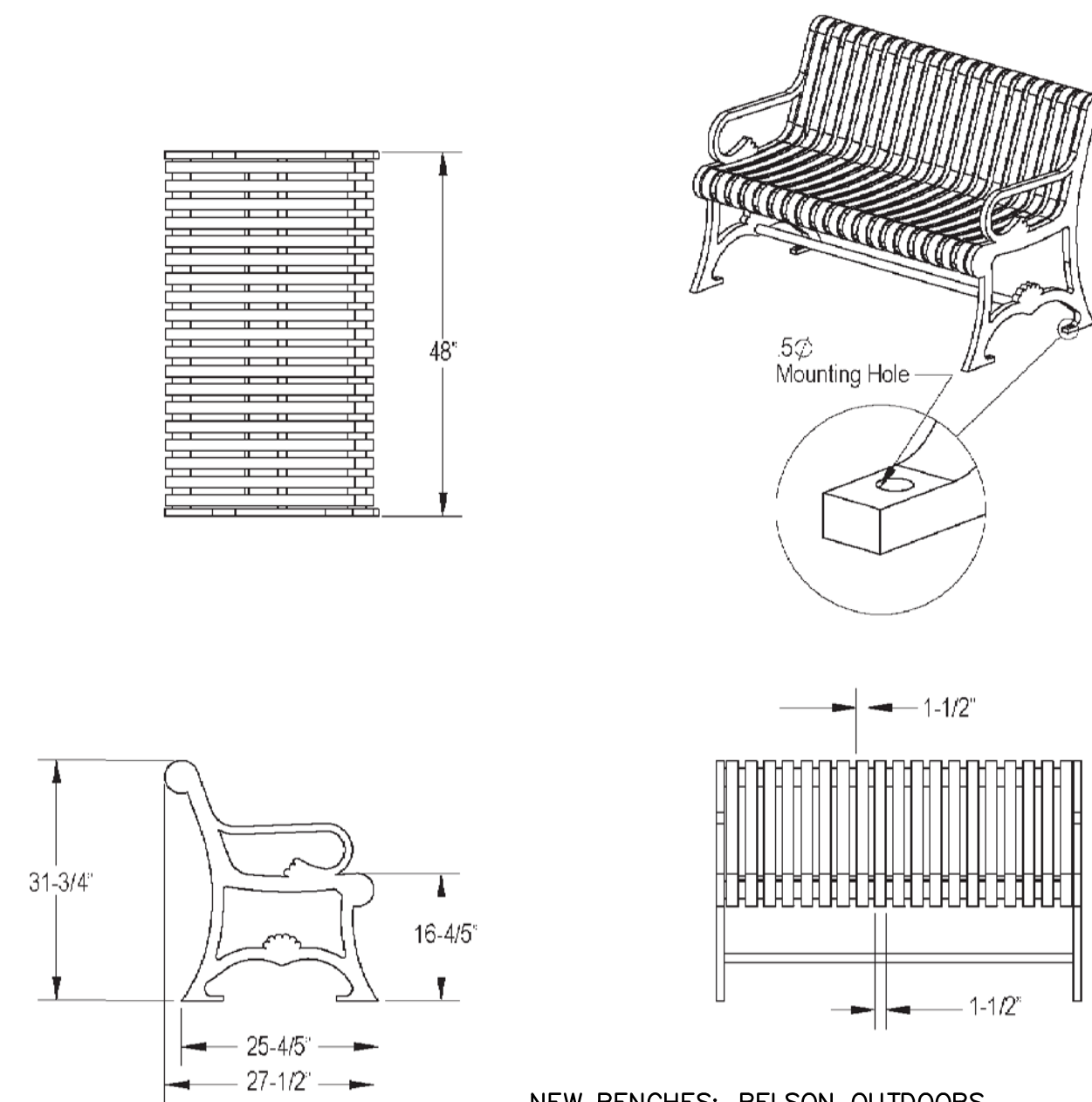


8" VINYL SCREENING FENCE DETAIL (SIMULATED WOOD FINISH)
NOT TO SCALE

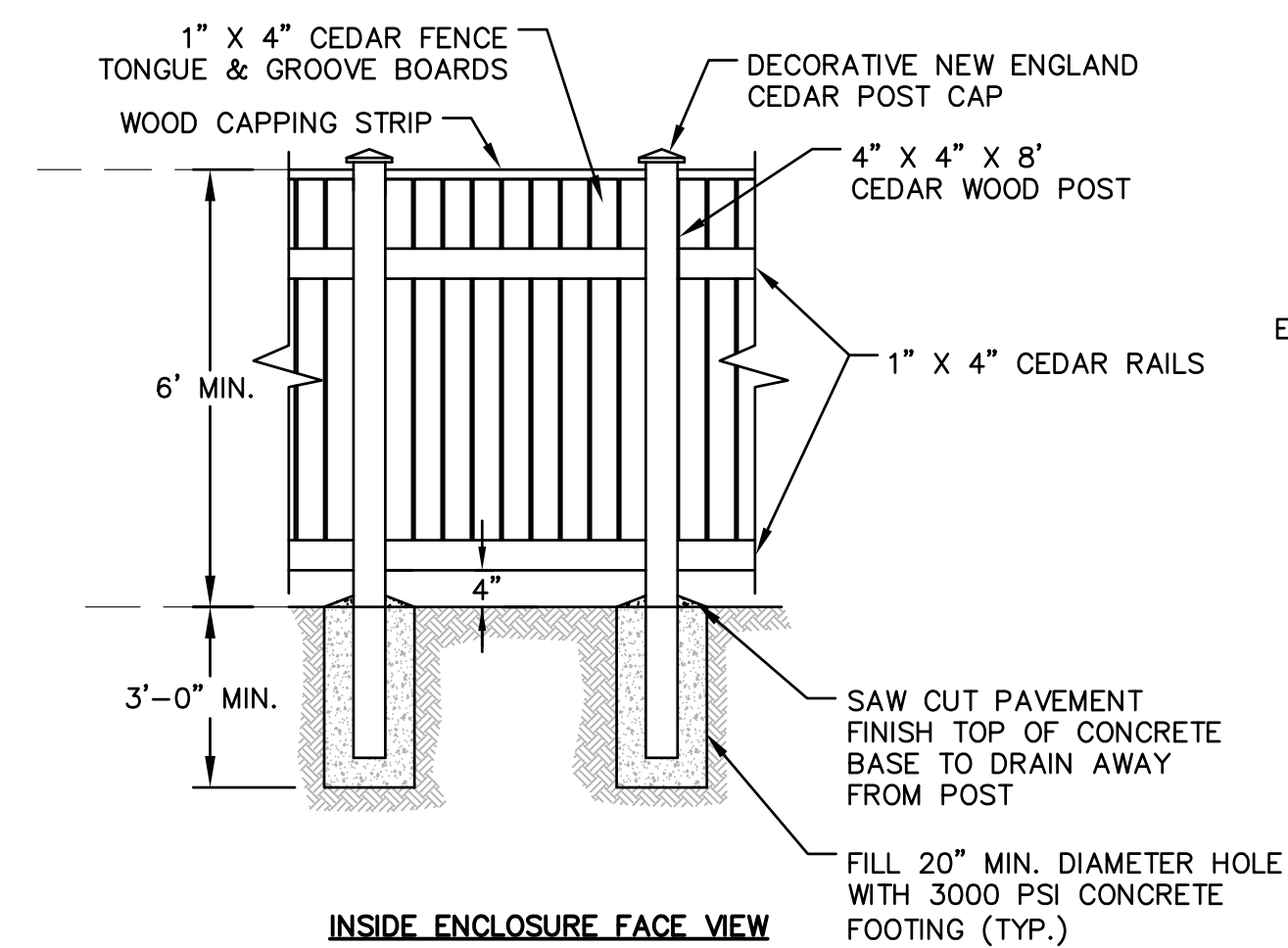


BIKE RACK SPACING
N.T.S.

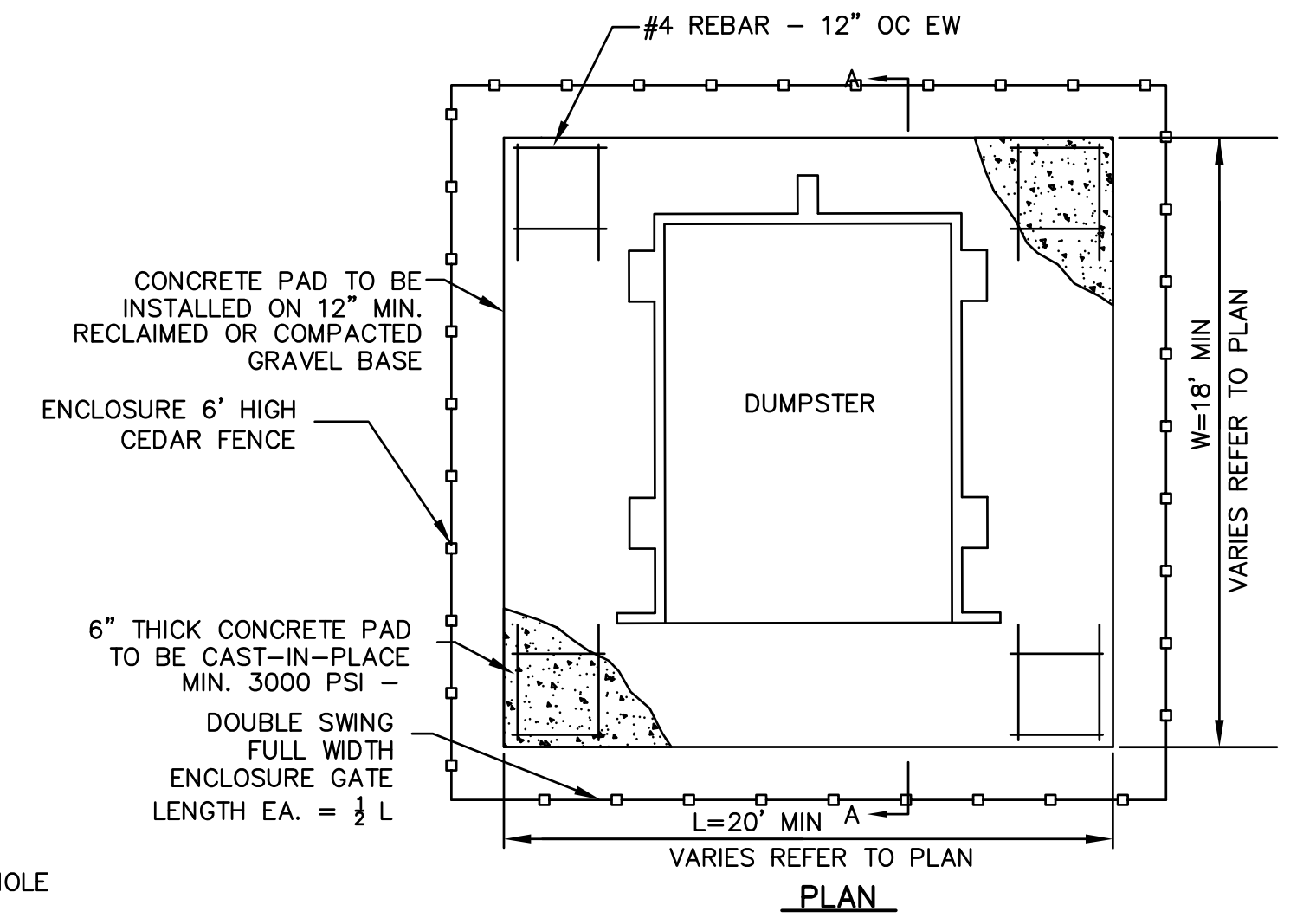
CLASSIC RIBBED PARK BENCHES



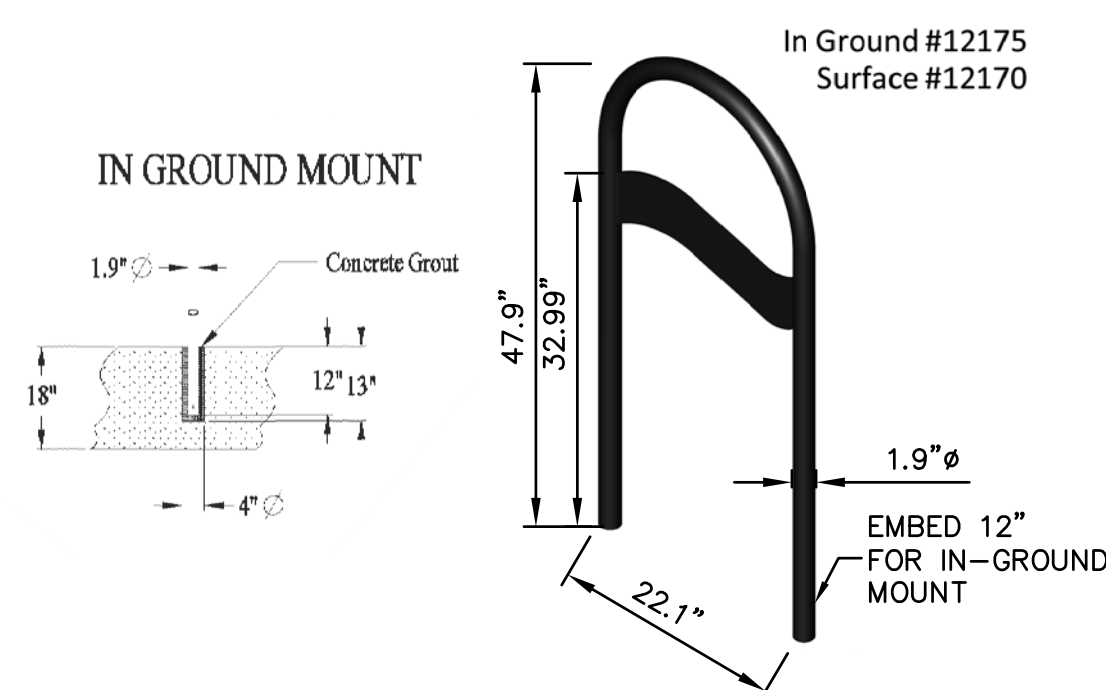
PARK BENCH (BELSON OUTDOOR, MODEL #LB-48)
N.T.S.



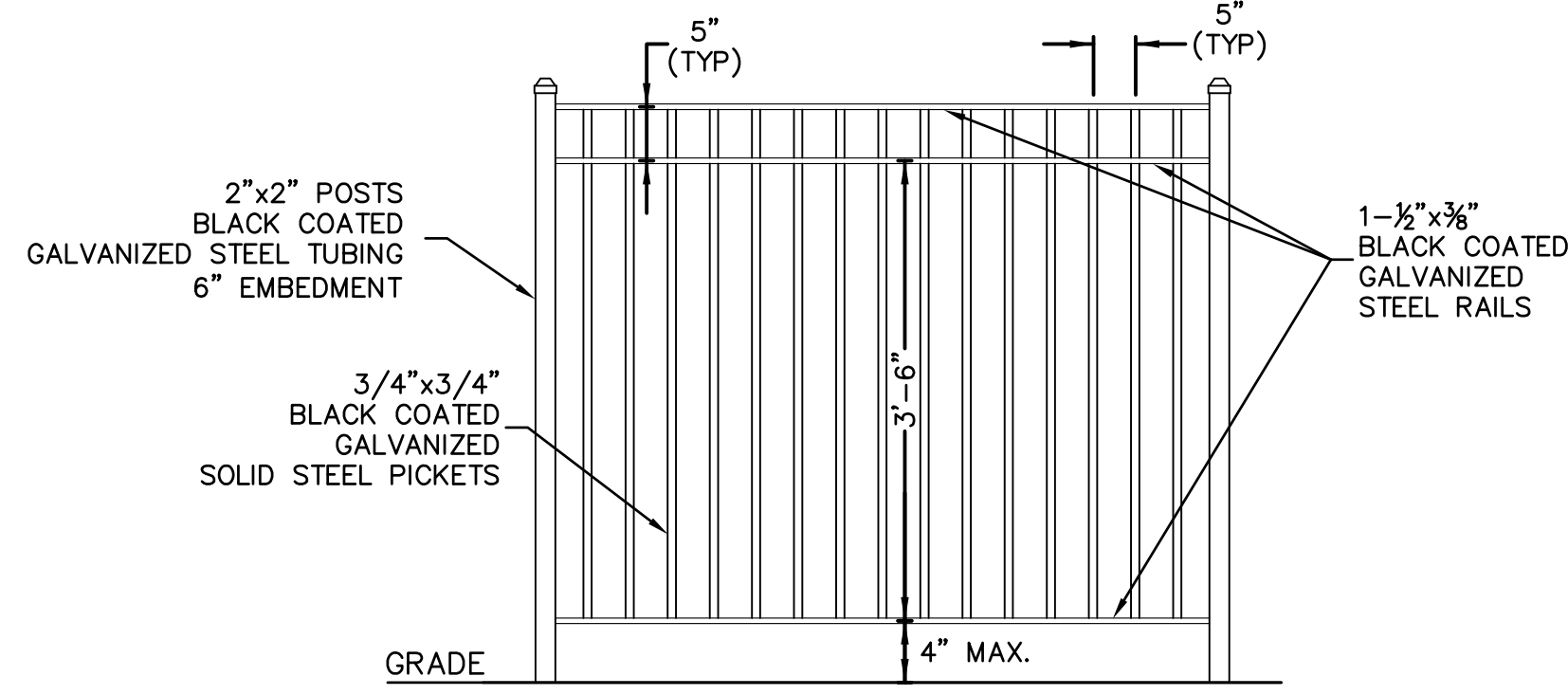
DUMPSTER FENCE ENCLOSURE DETAIL
N.T.S.



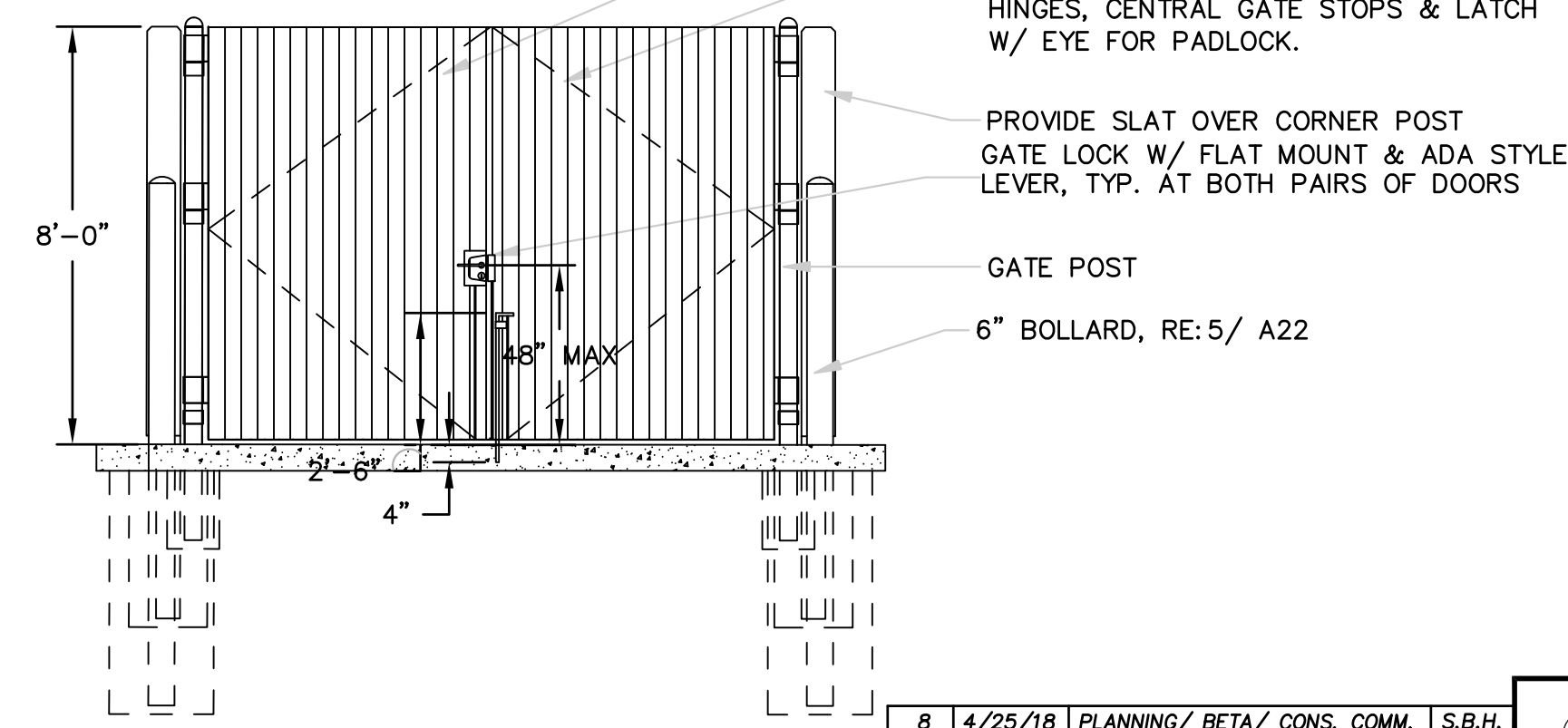
TYPICAL DUMPSTER PAD PAVING DETAIL
N.T.S.



BIKE RACK (CYCLESAFE MODEL #12175)
N.T.S.

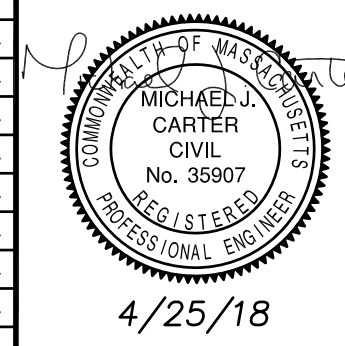


PLAYGROUND BLACK METAL FENCE
N.T.S.



DUMPSTER FENCE ENCLOSURE GATE DETAIL
N.T.S.

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
6	3/30/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
5	3/8/18	PLANNING/ BETA COMMENTS	S.B.H.
4	3/6/18	PLANNING/ BETA COMMENTS	S.B.H.
3	2/7/18	PLANNING/ BETA COMMENTS	S.B.H.
2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



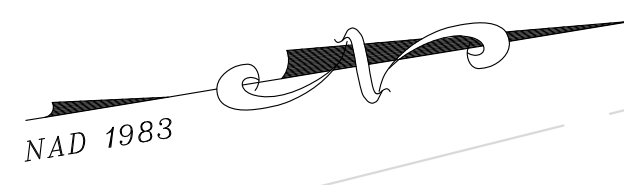
DETAIL SHEET VIII

**ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY**

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: AS NOTED DATE: DECEMBER 12, 2017

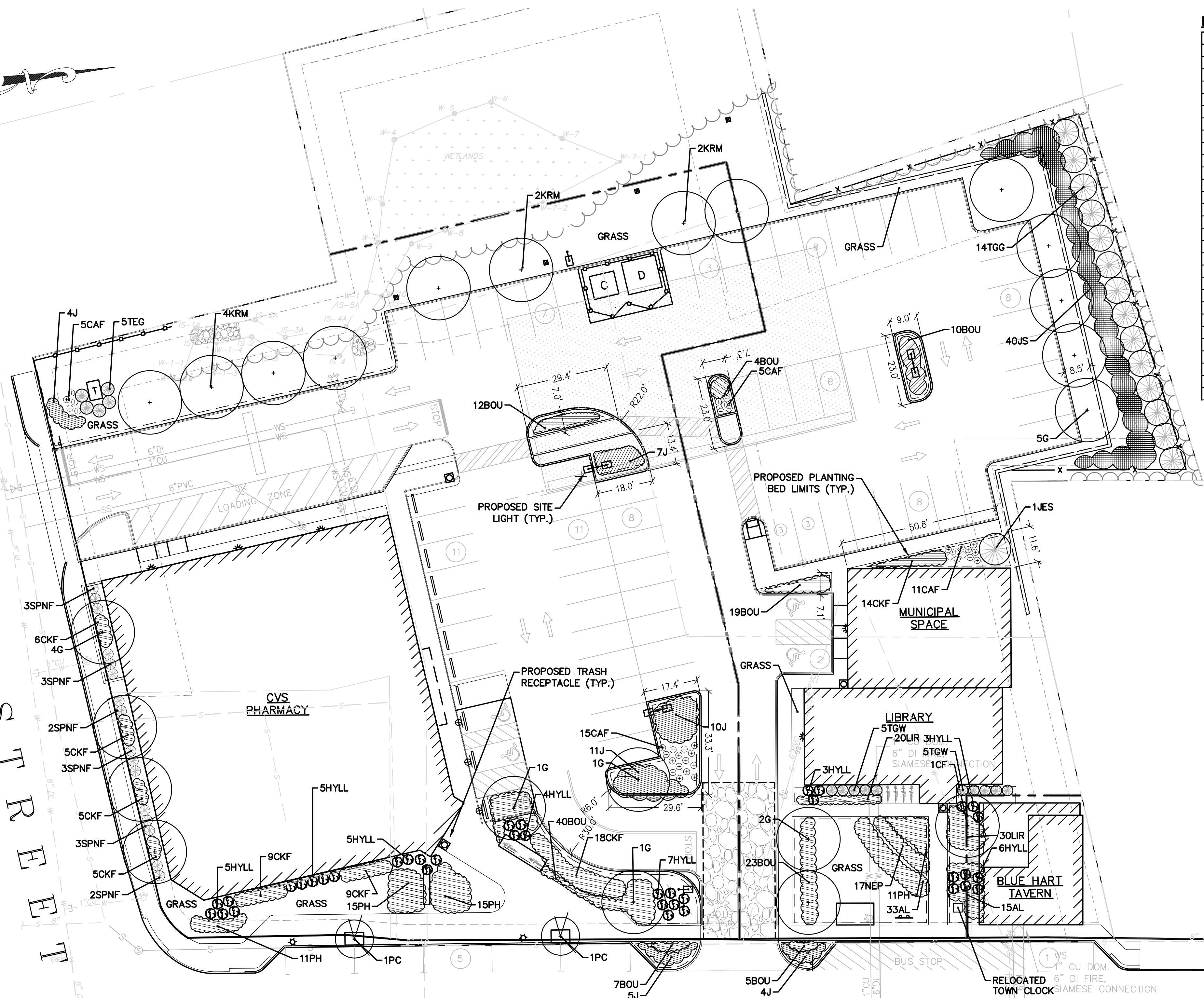
JOB NO. \FILE NAME: 1753-COVER_DETAILS DESIGNED BY: S.B.H. PLAN NO. C-20 OF 20
DRAWN BY: S.B.H. CHECKED BY: M.J.C.



SCHOOL STREET

WASHINGTON STREET
(1997 STATE HIGHWAY LAYOUT 7345)

PLAN
SCALE: 1" = 20'



PLANTING SCHEDULE

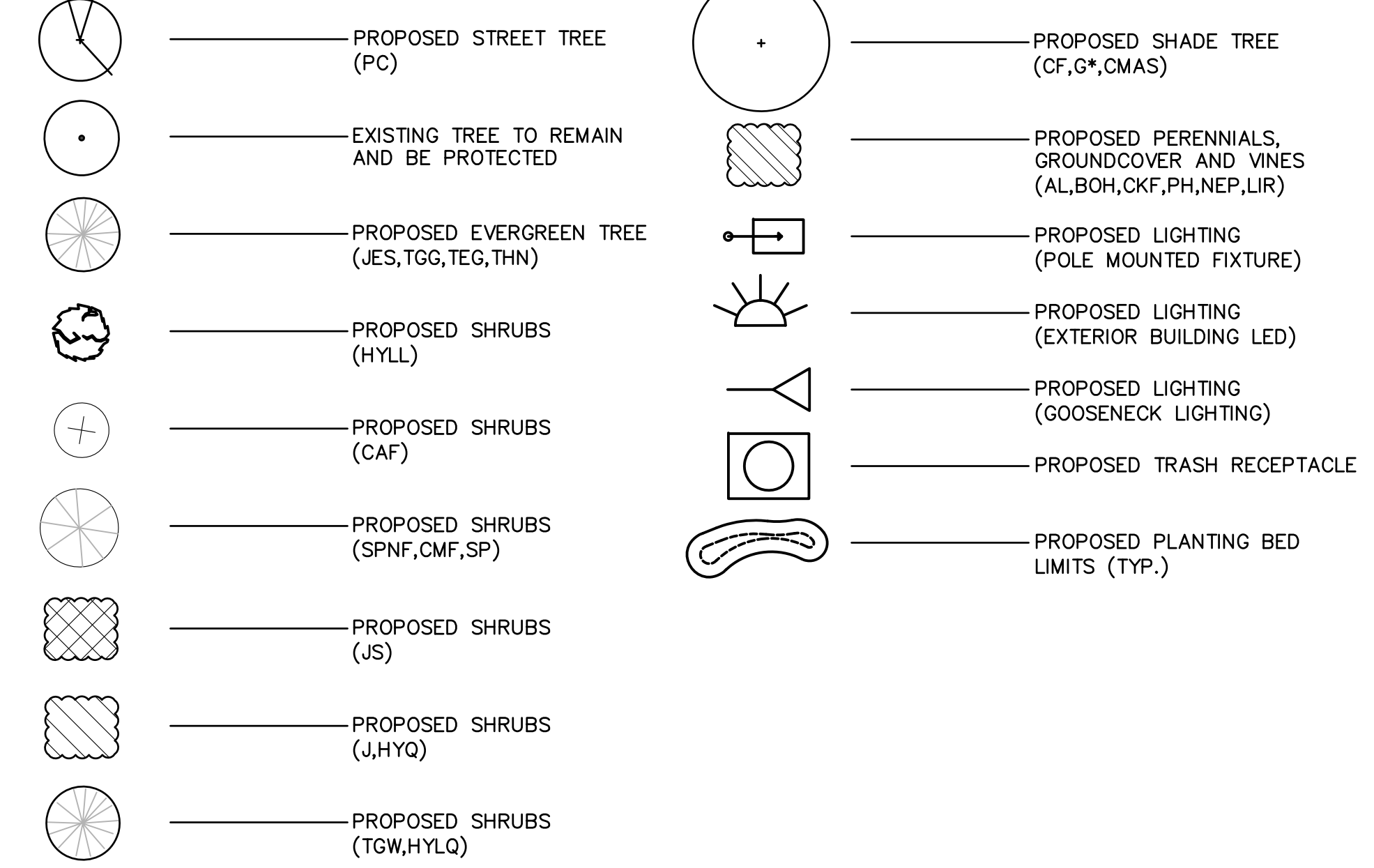
EVERGREEN TREES							
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS
JES	1	JUNIPER V 'EMERALD SENTINEL'	EMERALD SENTINEL RED CEDAR	8' HT	BB	6' OC	FULL
TGG	14	THUJA P. 'GREEN GIANT'	WESTERN ARBORVIATE	8' HT	BB	8' OC	FULL
TEG	5	THUJA 'EMERALD GREEN'	EMERALD GREEN ARBORVIATE	8' HT	BB	8' OC	FULL

TREES							
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS
CF	1	CORNUS F. 'APPACHIAN SPRING'	FLOWERING DOGWOOD	4".CAL	BB	AS SHOWN	GOOD STRUCTURE
G	14	GINKGO B. 'AUTUMN GOLD'	MAIDENHAIR TREE	4".CAL	BB	AS SHOWN	MALE
PC	2	PYRUS 'CLEVELAND SELECT'	FLOWERING PEAR	4".CAL	BB	AS SHOWN	GOOD STRUCTURE
KRM	8	ACER RUBRUM 'KARPICK'	KARPICK RED MAPLE	4".CAL	BB	AS SHOWN	
ALTERNATE TREES - TOWN APPROVED							
CAC	ALT.	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	4".CAL	BB	AS SHOWN	
AML	ALT.	AMELANCHIER LAEVIS 'JFS-ARB'	SPRING FLURRY SERVICEBERRY	4".CAL	BB	AS SHOWN	

SHRUBS							
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS
CAF	36	CORNUS 'ARTIC FIRE'	RED TWIGGED DOGWOOD	24"	CONT.	2' OC	
HYLL	38	HYDRANGEA 'LITTLE LIME'	LITTLE LIME HYDRANGEA	24"	CONT.	2' OC	
JS	40	JUNIPER C. 'SARGENTII'	JUNIPER	#1	CONT.	4' OC	GROUNDCOVER
J	41	JUNIPER C. 'BLUE PACIFIC'	SHORE JUNIPER	#1	CONT.	2' OC	GROUNDCOVER
TCW	10	TAXUS 'GREENWAVE'	GREENWAVE YEW	24"	CONT./BB	2' OC	FULL
SPNF	16	SPIREA 'NEON FLASH'	SPIREA	24"	CONT.	3' OC	

PERENNIALS, GROUNDCOVER AND VINES							
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS
AL	48	ALLIUM 'MILENIAL'	ORNAMENTAL ONION	#1	CONT.	18" OC	
BOU	120	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLUE GRAMA GRASS	#1	CONT.	18" OC	
CKF	57	CALAMAGROSTIS 'KARL FOERSTER'	FEATHER REED GRASS	#1	CONT.	18" OC	
PH	52	PENNISETUM 'HAMELYN'	COMPACT FOUNTAIN GRASS	#1	CONT.	18" OC	
NEP	17	NEPETA 'BLUE WONDER'	CATMINT	#1	CONT.	18" OC	
LIR	50	LIROPE 'SPICATA'	LIROPE	FLATS	CONT.	8" OC	

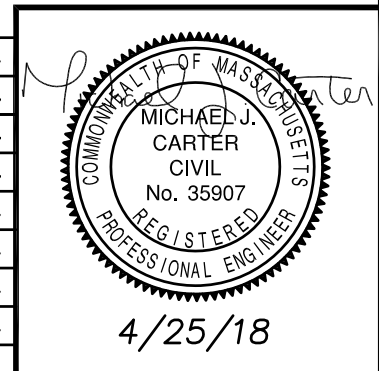
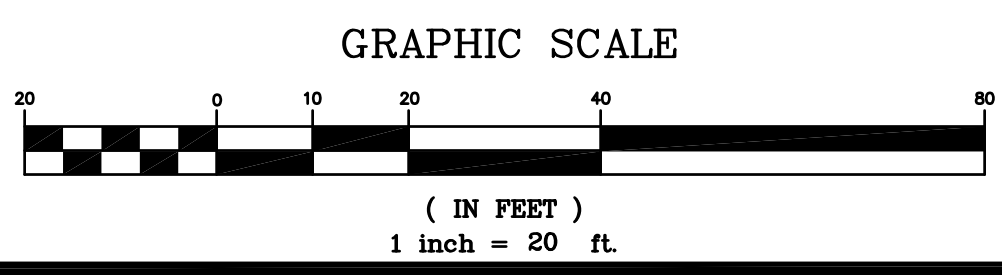
LANDSCAPE AND LIGHTING LEGEND



PLANTING NOTES:

- ALL NEW PLANTING MATERIAL SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK", LATEST EDITION, PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
- ALL NEW TREES AND SHRUBS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN UNLESS OTHERWISE NOTED ON THE PLANT LIST.
- CONTRACTOR SHALL BE SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS. IF MINOR DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE PLANT SCHEDULE, THE PLANTING PLAN SHALL GOVERN.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT, AND CULTURE AND MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING. TREES SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS THEY BORE TO FINISH BEFORE BEING DUG IN THE NURSERY. PRIOR TO PLANTING, REMOVE THE TOP OF THE BURLAP AND CONFIRM THAT PLANT ROOT CROWS ARE NOT COVERED BY SOIL FROM THE NURSERY.
- STAKE LOCATION OF ALL PROPOSED PLANTS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF PLANTING.
- MULCH TREES AND PLANTING BEDS PER DETAILS AND SPECIFICATIONS.
- ALL AREAS TO BE SEEDED WITH LAWN MIX SHALL RECEIVE 6" TOPSOIL PRIOR TO SEEDING.
- SEE DETAIL SHEET FOR PLANTING SCHEDULE AND DETAILS
- LOAM AND SEED ALL DISTURBED AREAS.

LANDSCAPE DESIGN:
SALLIE HILL DESIGN LLC
LANDSCAPE ARCHITECTURE
WWW.SALLIEHILLDESIGN.COM
339-970-9058



LANDSCAPE AND LIGHTING PLAN
SCHOOL STREET SIDE

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

GCG ASSOCIATES, INC.
WILMINGTON MASSACHUSETTS

SCALE: 1"=20' DATE: MARCH 28, 2018

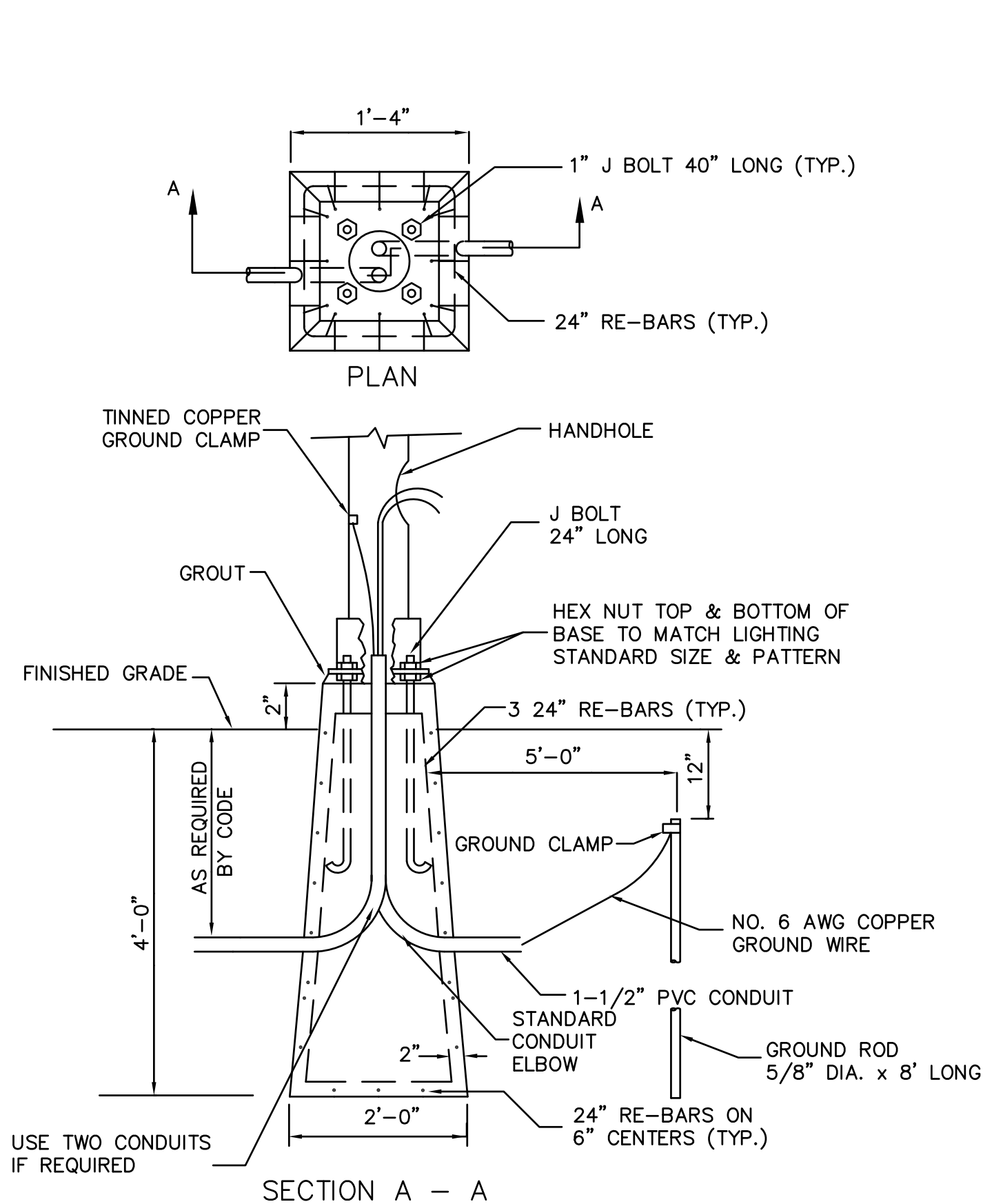
JOB NO./FILE NAME: 1753-DESIGN LANDSCAPE & LIGHTING	DESIGNED BY: S.B.H DRAWN BY: N.M.T CHECKED BY: M.J.C.	PLAN NO. L1 of L3
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NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	S.B.H.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	N.M.T.
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5	3/8/18	PLANNING/ BETA COMMENTS	N.M.T.
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2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



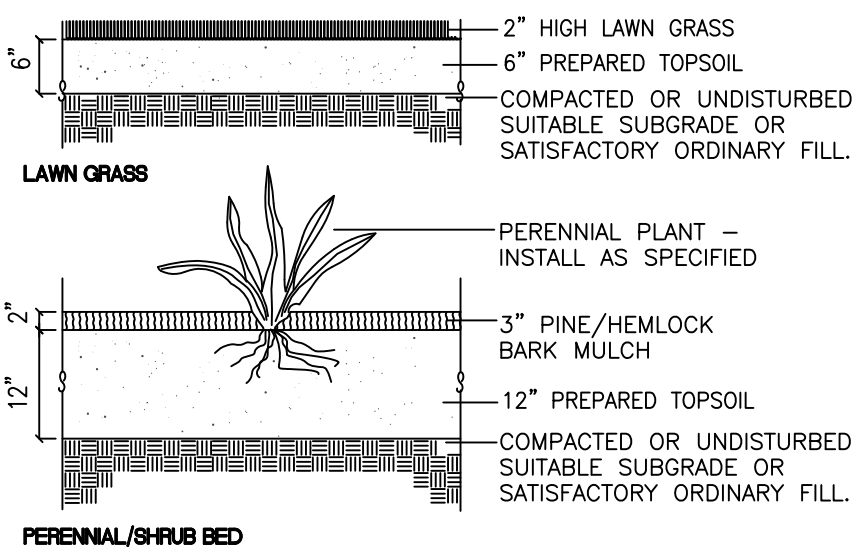
- NOTES:
1. NEW STREET LIGHT SHALL BE SAME MAKE, TYPE, COLOR AND HEIGHT OF THE LIGHT POLE AND LIGHT FIXTURE EXISTING ON WASHINGTON STREET. (OR APPROVED EQUAL)
 2. LIGHT POLE AND FIXTURE INFORMATION CONTACT: MASSBAY ELECTRICAL CORPORATION
125 ORLEANS STREET
EAST BOSTON, MA 02128
PHONE: 617-567-2001; 1-800-457-1081
FAX: 617-561-0854

TYPICAL STREET LIGHTING DETAIL
N.T.S.

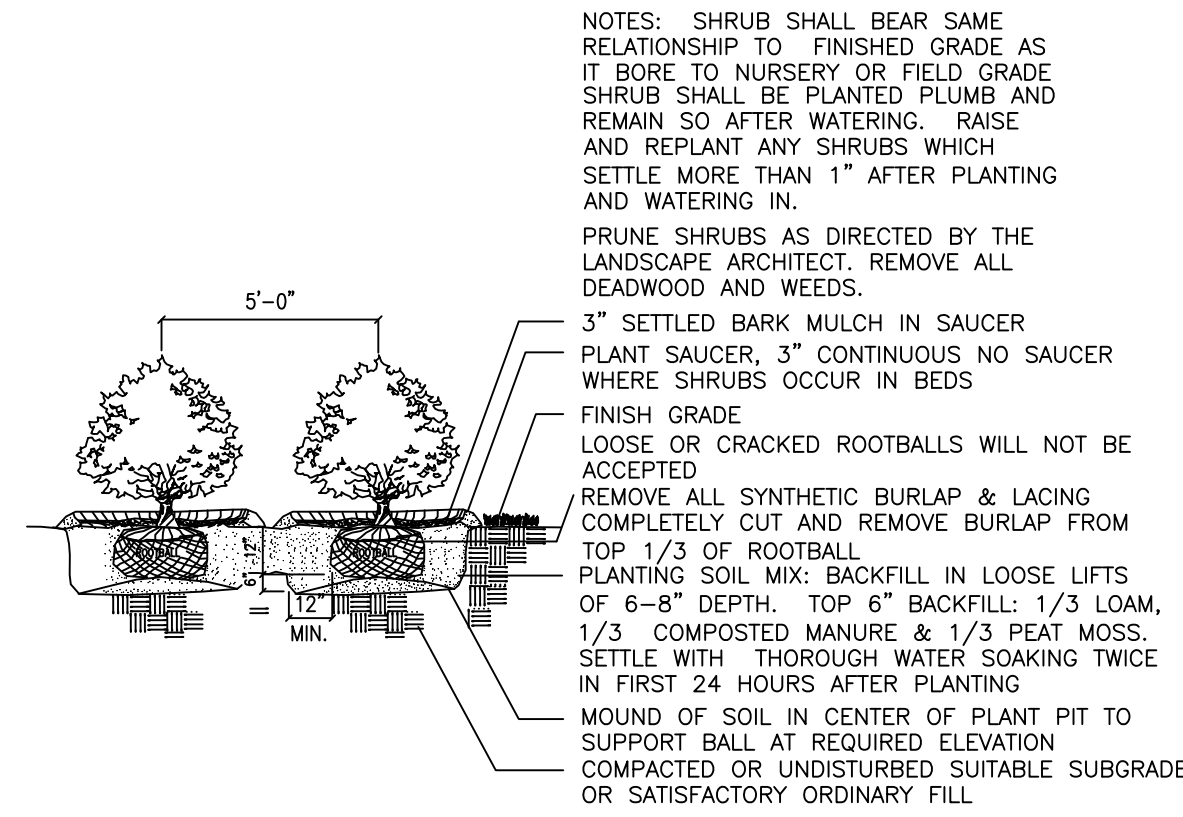


- NOTES:
1. THE LIGHTING FOUNDATION SHOWN IS FOR REFERENCE PURPOSES. THE ACTUAL LIGHT FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON FINAL POLE AND FIXTURE SELECTION AND GEOTECHNICAL SITE INVESTIGATION.
 2. IF LEDGE IS ENCOUNTERED THE BASE SHALL BE ADJUSTED AND ANCHORED TO THE LEDGE.
 3. THE CONTRACTOR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

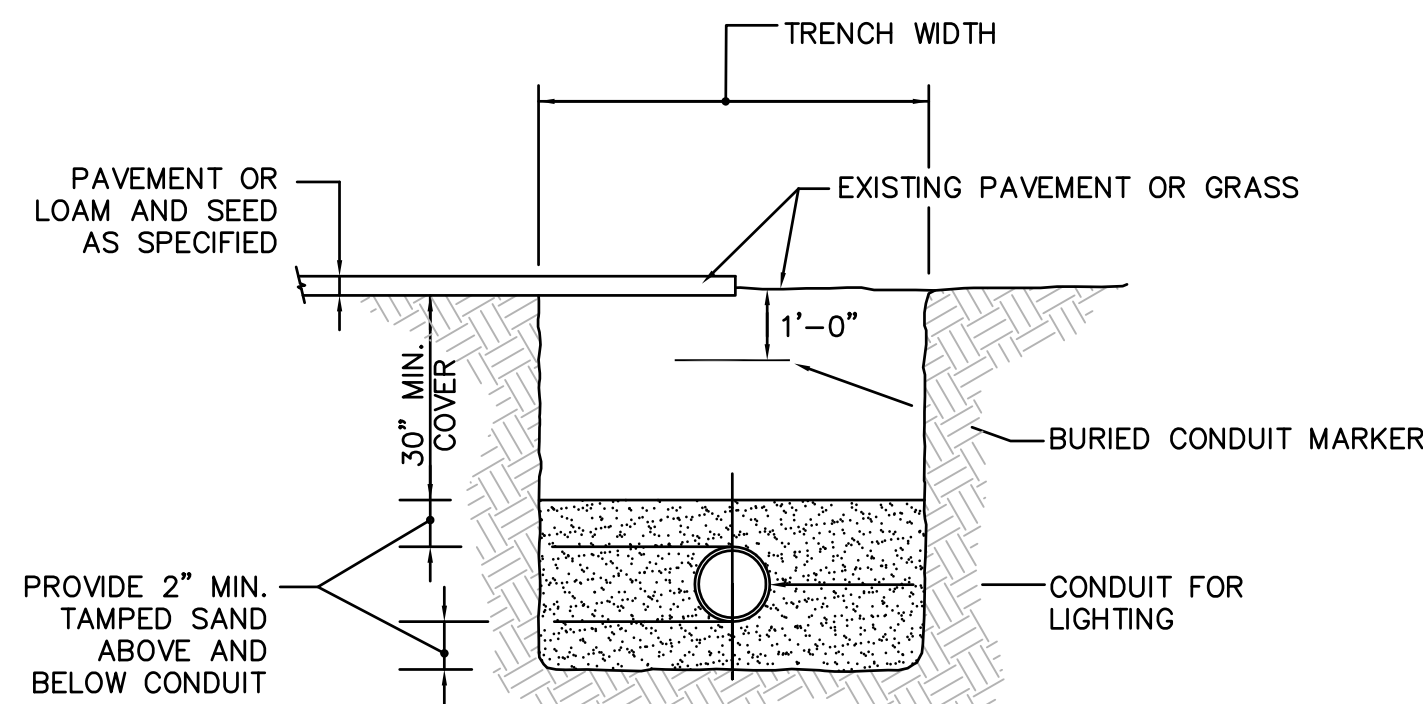
PRECAST LIGHTING FOUNDATION (BASE)
N.T.S.



PERENNIAL & LAWN GRASS
N.T.S.



PERENNIAL & LAWN GRASS
N.T.S.



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

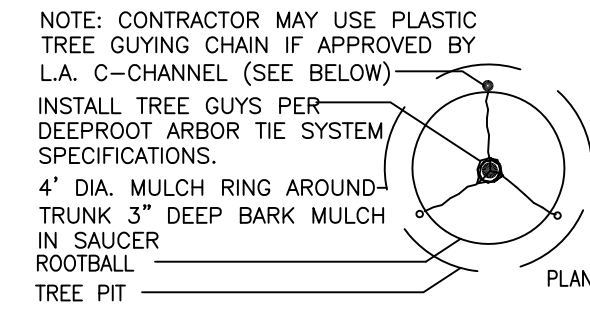
- NOTES:
1. THE LIGHTING FOUNDATION SHOWN IS FOR REFERENCE PURPOSES. THE ACTUAL LIGHT FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON FINAL POLE AND FIXTURE SELECTION AND GEOTECHNICAL SITE INVESTIGATION.
 2. IF LEDGE IS ENCOUNTERED THE BASE SHALL BE ADJUSTED AND ANCHORED TO THE LEDGE.
 3. THE CONTRACTOR MAY SUBSTITUTE A CAST IN PLACE BASE.
 4. PROPOSED LED PARKING AREA LIGHTS SHALL BE AS SUPPLIED BY TECHLIGHT - SABER LED AREA LIGHT - MODEL NO. LSBW6C8T5WD1-BZ OR EQUAL AND SHALL INCLUDE CONCRETE BASE, 25' ROUND ALUMINUM POLES, HORIZONTAL TENON ADAPTER, PHOTOELECTRIC CELL AND BULB AS SPECIFIED.
 5. PROPOSED LED WALKWAY LIGHTS SHALL BE AS SUPPLIED BY RAB LIGHTING - MODEL NO. ALEDST52 OR EQUAL AND SHALL INCLUDE 10" SQUARE POLES WITH WELDED TENON, PHOTOELECTRIC CELL AND BULB AS SPECIFIED.
 6. PROPOSED PRECAST CONCRETE ELECTRIC HANDHOLES SHALL BE AS MANUFACTURED BY SCITUATE RAY PRECAST - MODEL - MDC CONCRETE HANDHOLE 18" x 24"HHMDC. CAST IRON FRAME AND COVER SHALL BE AS MANUFACTURED BY EAST JORDAN IRON WORKS MODEL NO. 0MA801000003/0MA801000012 OR EQUAL AND AS SPECIFIED.
 7. THE PRICE FOR THE PROPOSED LIGHTING SYSTEMS SHALL INCLUDE THE COST FOR ALL PERMITS, WORK AND MATERIALS REQUIRED AND AS SPECIFIED AND SHOWN ON THE DRAWINGS AND ACCORDING TO CURRENT MASSACHUSETTS ELECTRICAL CODES.

SITE LIGHTING SPECIFICATION:

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

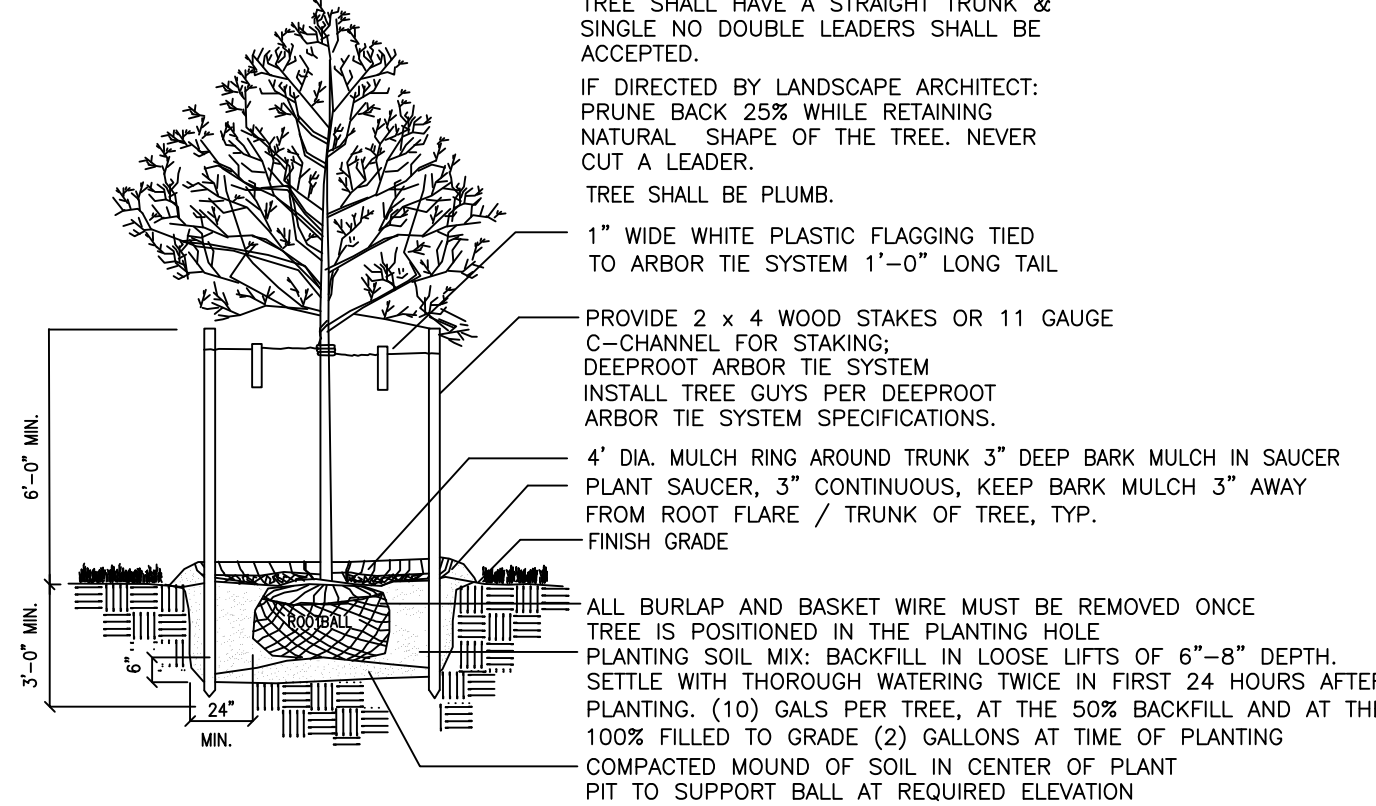
- NOTES:
- 1) ALL NEW AND RE-USED LIGHTING TO BE MOUNTED IN NEW PRECAST FOUNDATION PER DETAIL.
 - 2) EXISTING LIGHTING FOUNDATION (BASE) TO BE DETACHED FROM POST AND REMOVED FROM GROUND LOCATION.

NOTES: TREE PLANTING TO MEET CURRENT ANSI Z60 LATEST EDITION TREE PLANTING STANDARDS, TYP.

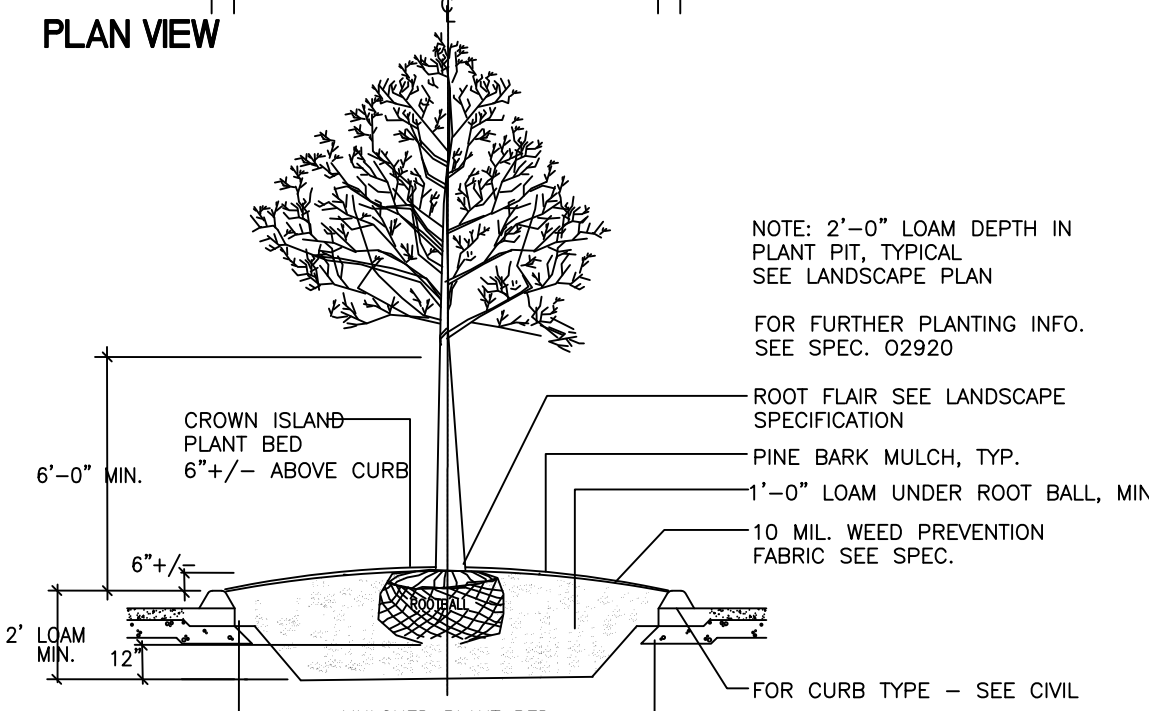
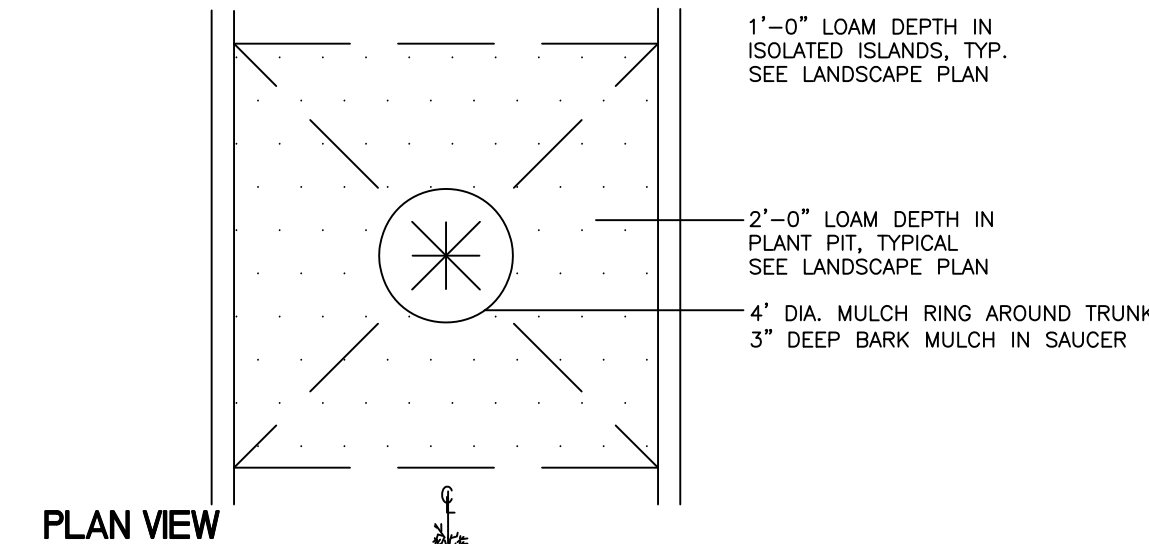


NOTES: TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO ORIGINAL GRADE, BEFORE DIGGING
TREE SHALL HAVE A STRAIGHT TRUNK & SINGLE NO DOUBLE LEADERS SHALL BE ACCEPTED.

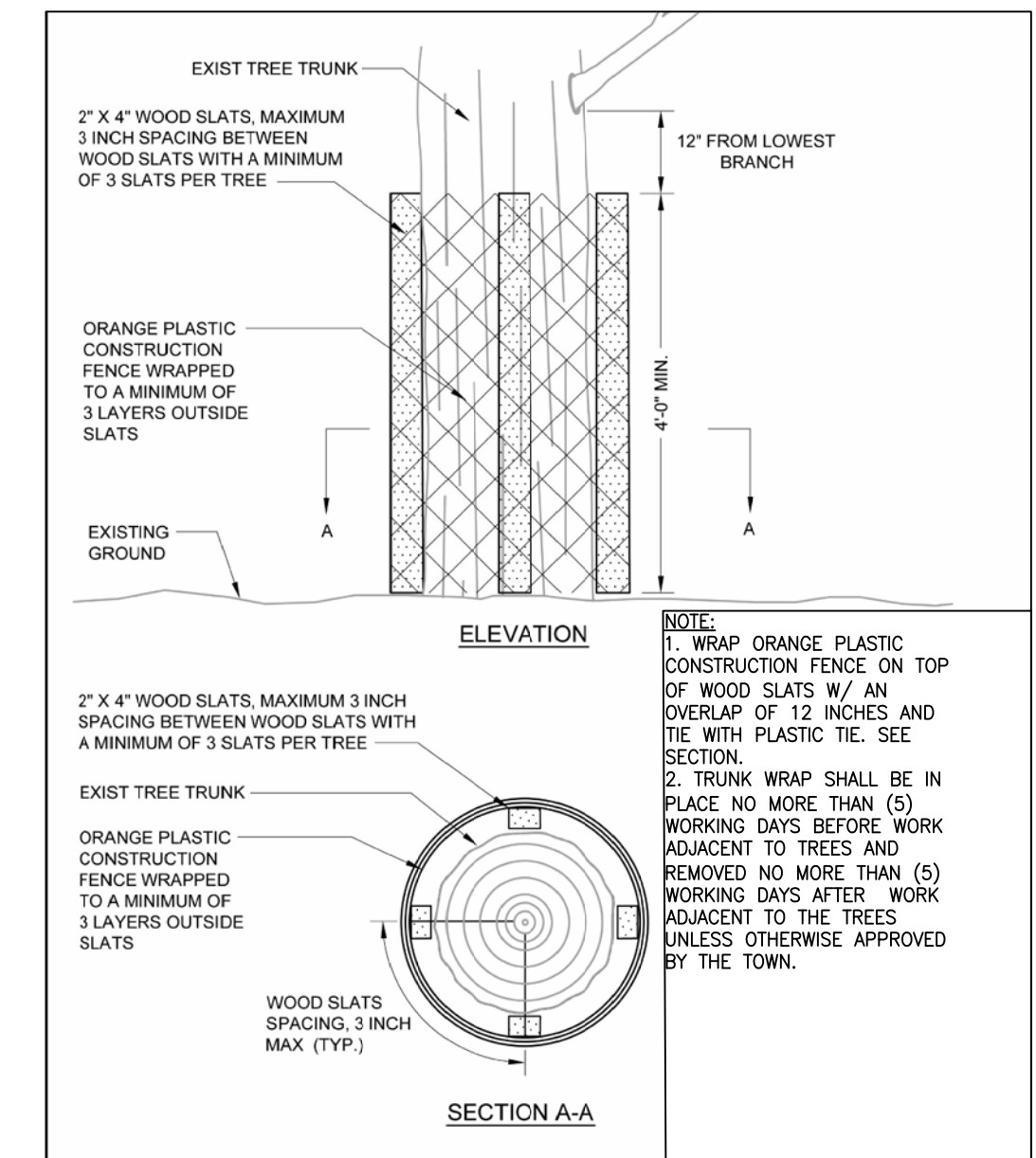
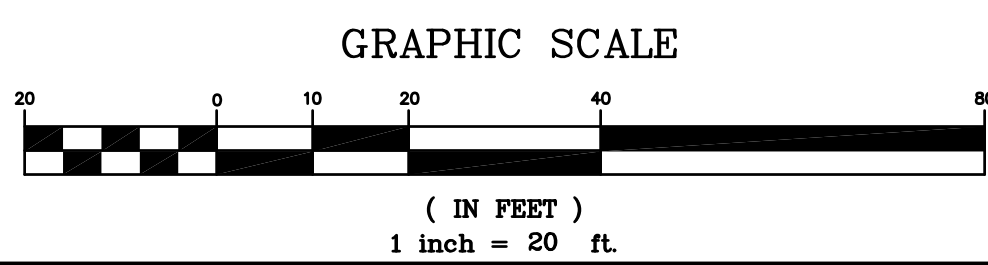
IF DIRECTED BY LANDSCAPE ARCHITECT: PRUNE BACK 25% WHILE RETAINING NATURAL SHAPE OF THE TREE. NEVER CUT A LEADER.
TREE SHALL BE PLUMB.
1" WIDE WHITE PLASTIC FLAGGING TIED TO ARBOR TIE SYSTEM 1'-0" LONG TAIL



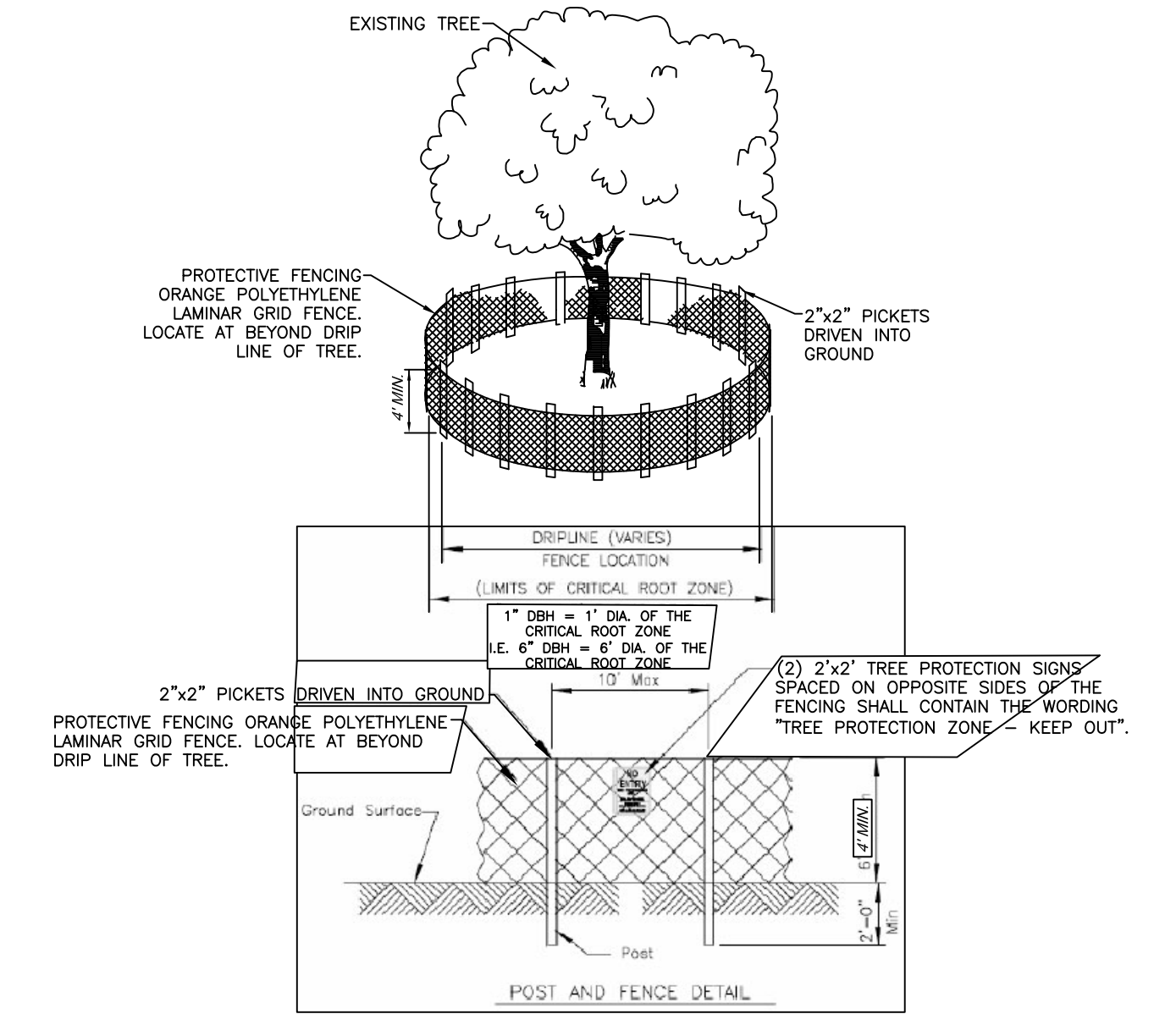
DECIDUOUS TREE PLANTING AND STAKING
N.T.S.



TYPICAL ISOLATED LOAM DEPTHS
N.T.S.



EXISTING TREE TRUNKS WRAP PROTECTION DETAIL
N.T.S.



- NOTES:
1. TREE PROTECTION BARRIERS MUST BE PLACED AROUND TREES TO BE RETAINED WITHIN AN AREA WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES WILL OCCUR. TREES TO REMAIN SHALL BE INDICATED ON THE PLANS.
 2. TREE PROTECTION BARRIERS MUST REMAIN IN PLACE UNTIL GRADING AND CONSTRUCTION ACTIVITY IS COMPLETE OR UNTIL COMMENCEMENT OF FINISH GRADING AND SOODING.
 3. BARRIERS SHALL BE PLACED AROUND TREES AT THE DRIPLINE EXCEPT WHERE LAND ALTERATION OR CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE DRIPLINE.
 4. THE DRIPLINE OF A TREE IS THE IMAGINARY VERTICAL LINE THAT EXTENDS DOWNWARD FROM THE OUTERMOST TIPS OF THE TREE'S BRANCHES TO THE GROUND.
 5. AREAS SURROUNDED BY THE TREE PROTECTION BARRIERS SHALL BE PROTECTED FROM VEGETATION REMOVAL, PLACEMENT OF SOIL, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND.
 6. WHEN CONSTRUCTION OCCURS OUTSIDE OF THE PROTECTION BARRIER / DRIP LINE ALL TREE ROOTS WITHIN AREA TO BE GRADED AND ORIGINATING FROM A PROTECTED TREE SHALL BE SEVERED CLEANLY AT THE LIMITS OF THE PROTECTED AREA.
 7. ALL TREE PRUNING AND TRIMMING ON ANY TREE TO BE RETAINED SHALL BE PERFORMED BY AN ARBORIST CERTIFIED BY THE AMERICAN SOCIETY OF ARBORICULTURE (ASA).
 8. (2) 2"x2" TREE PROTECTION SIGNS SPACED ON OPPOSITE SIDES OF EVERY EXISTING TREES PROTECTION BARRIER TO REMAIN SHALL CONTAIN THE WORDING "TREE PROTECTION ZONE - KEEP OUT."

EXISTING TREE CRITICAL ROOT ZONE PROTECTION DETAIL
N.T.S.

LANDSCAPE AND LIGHTING PLAN DETAILS

ISLINGTON VILLAGE
WESTWOOD, MA
NORFOLK COUNTY

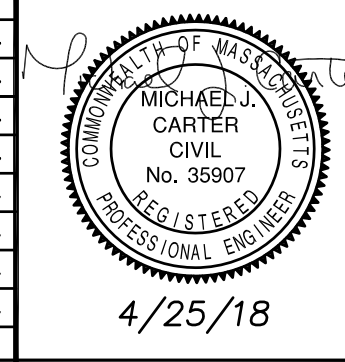
GCG ASSOCIATES, INC.

WILMINGTON MASSACHUSETTS

SCALE: 1"=20' DATE: MARCH 07, 2018

JOB NO./FILE NAME: 1763 DESIGN LANDSCAPE & LIGHTING
DESIGNED BY: S.B.H.
DRAWN BY: N.M.T.
CHECKED BY: M.J.C.
PLAN NO. L3 OF L3

NO.	DATE	DESCRIPTION	BY
8	4/25/18	PLANNING/ BETA/ CONS. COMM.	N.M.T.
7	4/6/18	PLANNING/ BETA/ CONS. COMM.	N.M.T.
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2	2/1/18	PLANNING/ BETA COMMENTS	S.B.H.
1	1/2/18	CONSERVATION - NOI	S.B.H.



4/25/18