

Site Plan for

# Williamsburg Safety Complex

Williamsburg, Massachusetts

SPECIAL PERMIT SUBMISSION

Prepared For:

Town of Williamsburg  
141 Main St  
Haydenville, MA 01039

Date:

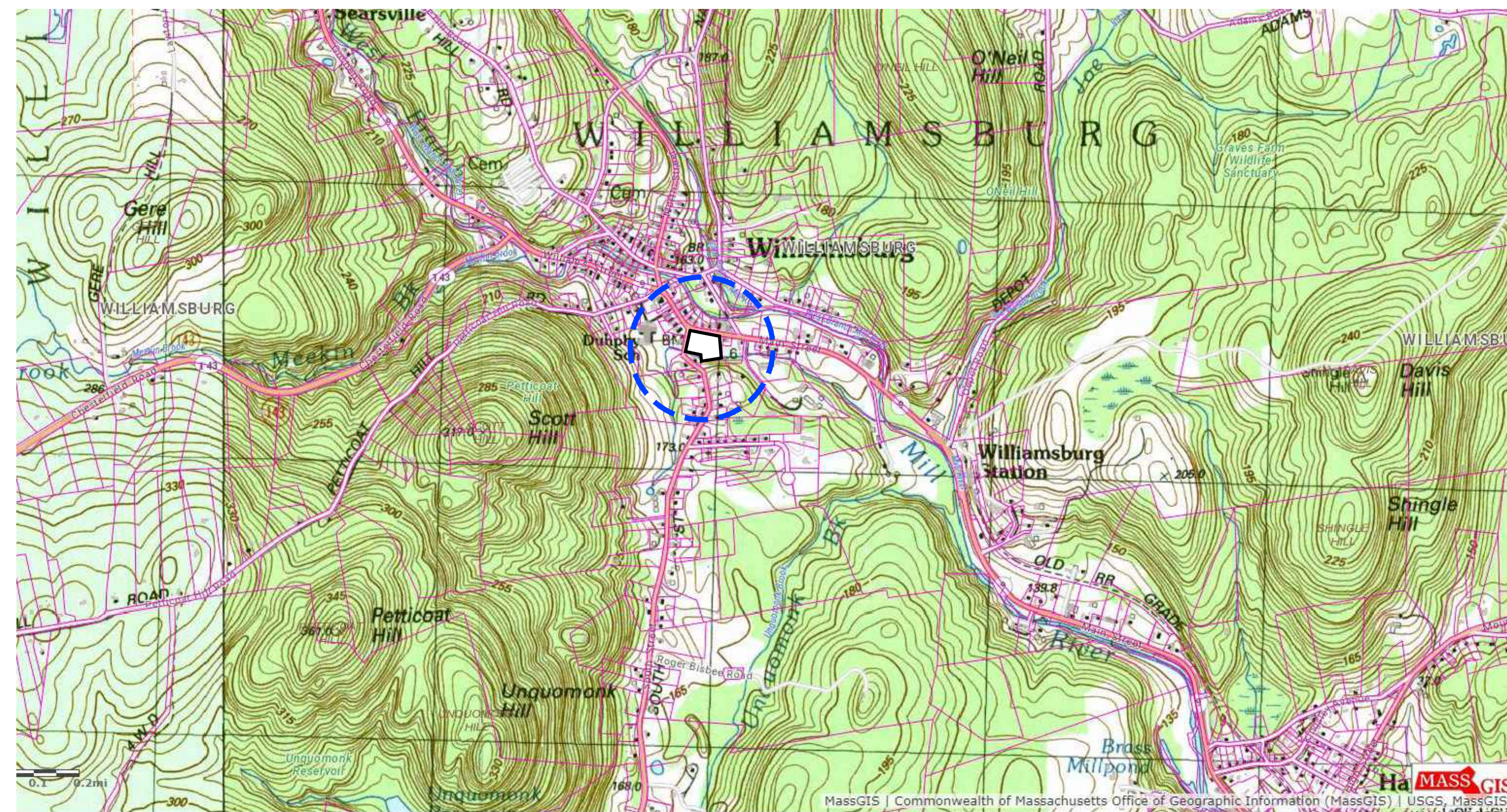
November 4, 2021 rev. 12/17/2021

Prepared By:



Landscape Architecture  
Civil Engineering  
Planning  
Land Surveying

4 Allen Place Northampton  
Massachusetts 01060  
www.berkshiredesign.com



Locus Map

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Williamsburg  
Safety Complex  
16 Main Street  
Williamsburg, MA

PERMIT SET

OVERALL  
EXISTING CONDITIONS

Revisions

December 15, 2021  
December 17, 2021

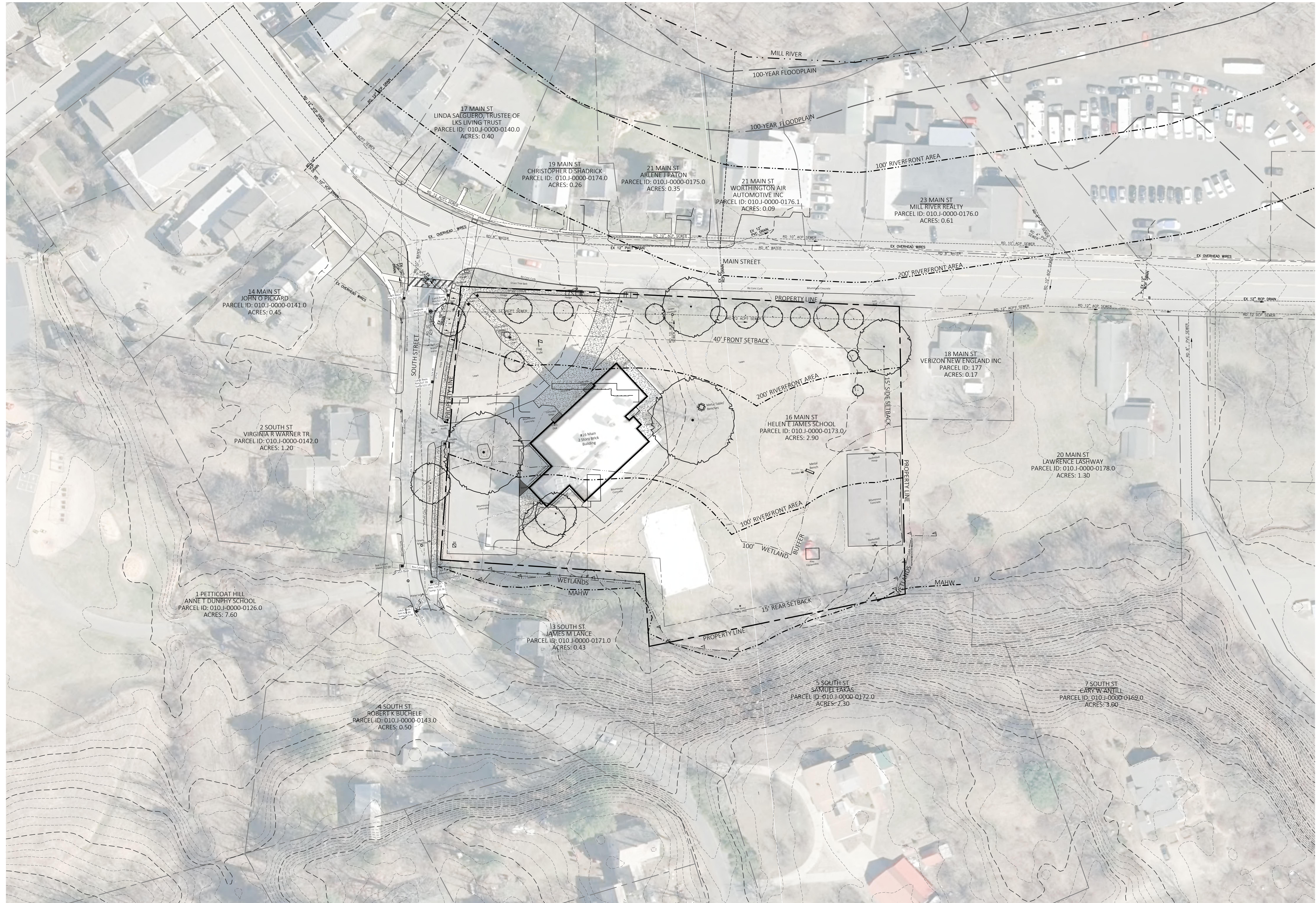
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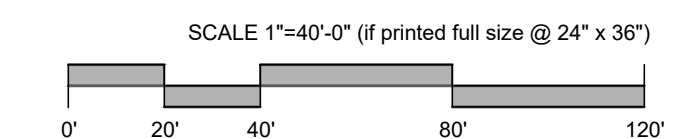
LC-100



EXISTING CONDITIONS

- THE EXISTING CONDITIONS DEPICTED HEREON WERE OBTAINED BY A FIELD SURVEY IN SPRING, 2021 BY THE BERKSHIRE DESIGN GROUP, INC.
- THIS PLAN IS PREPARED AS A SITE DESIGN AND IS NOT INTENDED TO BE USED FOR DETERMINATION OF PROPERTY LINES.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS. IF A DISCREPANCY IS FOUND BETWEEN THIS PLAN AND THE ACTUAL FIELD CONDITION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.
- THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT, VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
- THIS PLAN AND SURVEY WERE PREPARED USING GNSS AND CONVENTIONAL SURVEY METHODS. A LEICA TS15 TOTAL STATION WAS USED HAVING AN ACCURACY OF 5" AND 5 PPM. A LEICA GS14 NETWORK RTK WAS USED HAVING SUBCENTIMETER ACCURACY.
- THE BASIS OF BEARINGS, AZIMUTHS, AND THE NORTH ARROW SHOWN HEREON IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD83). THE BASIS OF THE ELEVATIONS
- RESOURCE AREA DELINEATION FROM MASSGIS DATA AND FROM WETLAND DELINEATION BY WAR SMITH FOR THE DUNPHY SCHOOL PROJECT COMPLETED IN 2017.

DEPICTED HEREON IS A GRID SEPARATION CALCULATION BASED ON GEOID12A RESULTING IN NAVD83.





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Williamsburg  
Safety Complex  
16 Main Street  
Williamsburg, MA

PERMIT SET

EXISTING CONDITIONS &  
DEMOLITION PLAN

Revisions

December 9, 2021  
December 15, 2021  
December 17, 2021

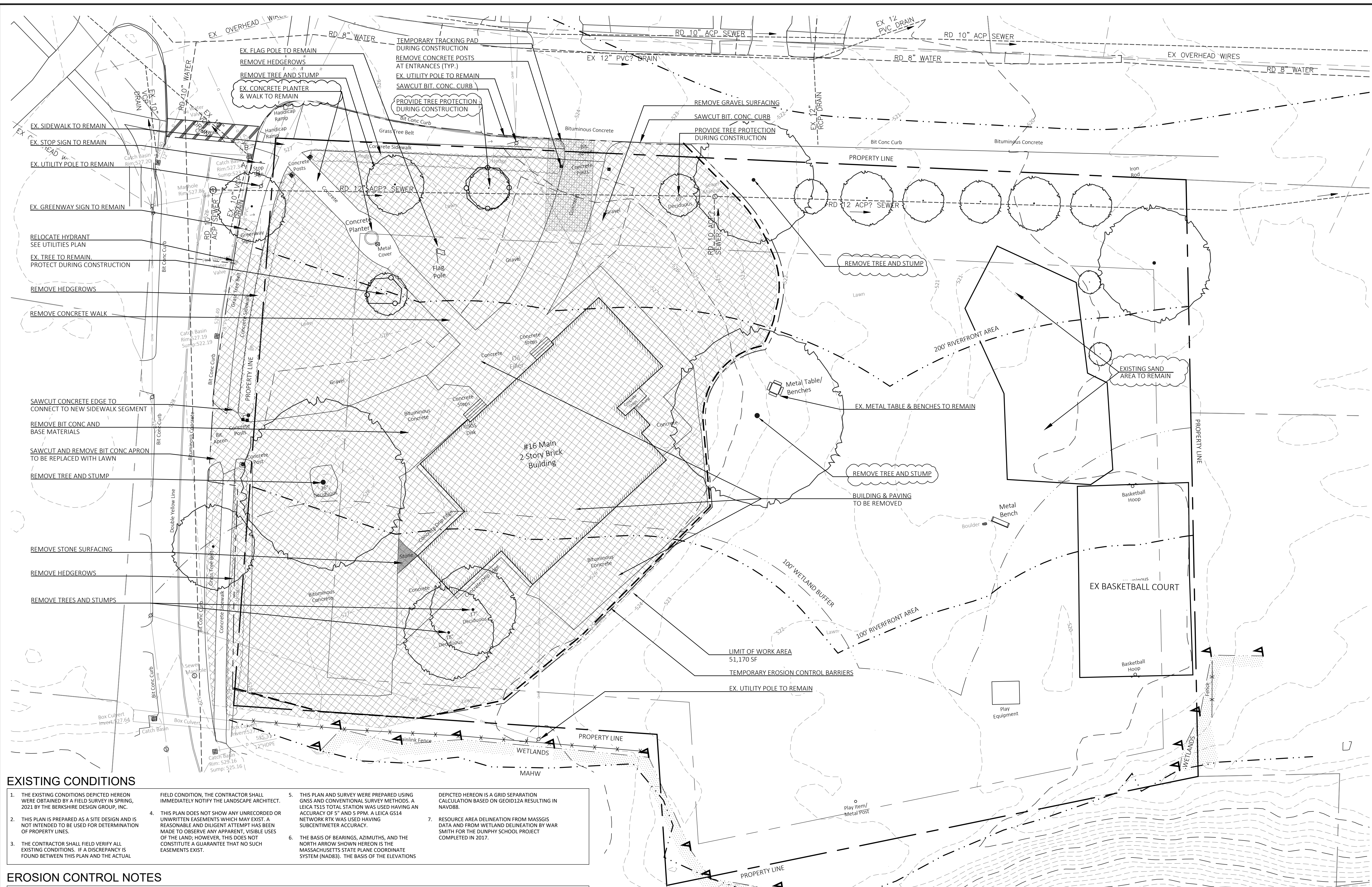
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**LC-101**



**EXISTING CONDITIONS**

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3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS. IF A DISCREPANCY IS FOUND BETWEEN THIS PLAN AND THE ACTUAL

FIELD CONDITION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.

4. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT, VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.

5. THIS PLAN AND SURVEY WERE PREPARED USING GNSS AND CONVENTIONAL SURVEY METHODS. A LEICA TS15 TOTAL STATION WAS USED HAVING AN ACCURACY OF 5" AND 5 PPM. A LEICA GS14 NETWORK RTK WAS USED HAVING SUBCENTIMETER ACCURACY.
6. THE BASIS OF BEARINGS, AZIMUTHS, AND THE NORTH ARROW SHOWN HEREON IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD83). THE BASIS OF THE ELEVATIONS

DEPICTED HEREON IS A GRID SEPARATION CALCULATION BASED ON GEOID12A RESULTING IN NAVD83.

7. RESOURCE AREA DELINEATION FROM MASSGIS DATA AND FROM WETLAND DELINEATION BY WAR SMITH FOR THE DUNPHY SCHOOL PROJECT COMPLETED IN 2017.

**EROSION CONTROL NOTES**

1. THE CONTRACTOR SHALL INSTALL EROSION CONTROL DEVICES AS NECESSARY TO PREVENT EROSION WITHIN THE SITE AND MIGRATION OF SEDIMENT OUT OF THE SITE, OR AS DIRECTED BY THE ENGINEER. ALL DEVICES SHALL COMPLY WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES, CURRENT VERSION.
2. THE PROPOSED WORK WILL DISTURB MORE THAN ONE ACRE OF LAND, AND IS SUBJECT TO PERMITTING BY THE US ENVIRONMENTAL PROTECTION AGENCY (EPA) UNDER THE NPDES CONSTRUCTION ACTIVITIES PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NPDES PERMIT, INCLUDING PREPARATION AND MAINTENANCE OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE SITE.
3. THE PROPOSED PROJECT IS SUBJECT TO PERMITTING BY THE TOWN OF WILLIAMSBURG. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE PERMIT.
4. ALL VEHICLES ENTERING AND EXITING THE SITE

SHALL BE REQUIRED TO CROSS A TRACKING PAD TO PREVENT TRACKING OF SEDIMENT ONTO CAMPUS OR PUBLIC ROADWAYS. IF SEDIMENT IS FOUND ON ROADWAYS, THE SEDIMENT SHALL BE REMOVED IMMEDIATELY.

5. STORMWATER MANAGEMENT AREA LOCATIONS SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC AT ALL TIMES. EROSION CONTROL BARRIERS SHALL BE MAINTAINED AROUND THE INFILTRATION AREAS AND THE RAINFOREST UNIT. THE TRIBUTARY DRAINAGE AREA HAS BEEN STABILIZED AND THE PLANTINGS HAVE ESTABLISHED A VIABLE STABLE VEGETATIVE COVER.
6. ALL DEWATERING DISCHARGES SHALL BE DIRECTED TO A DEWATERING FILTER BAG OR SEDIMENT TRAP.
7. ALL DRAINAGE INLETS WITHIN AND DOWNSTREAM OF THE SITE SHALL BE PROTECTED WITH SEDIMENT BARRIER (SILT SACK OR EQUAL).
8. ALL SEDIMENT STOCKPILES SHALL BE SURROUNDED BY A CONTINUOUS SILT FENCE. IF THE STOCKPILE

WILL REMAIN UNUSED FOR MORE THAN 14 DAYS, THE STOCKPILE SHALL BE STABILIZED BY SEEDING.

9. ALL DISTURBED SLOPES GREATER THAN 5H:1V SHALL BE PROTECTED FROM EROSION BY THE INSTALLATION OF BIO-DEGRADABLE OR PHOTO-DEGRADABLE EROSION CONTROL BLANKETS. EROSION CONTROL BLANKETS SHALL BE USED IN OTHER LOCATIONS AS DIRECTED BY THE ENGINEER, IF OTHER MEANS OF EROSION CONTROL ARE FOUND TO BE INADEQUATE.
10. THE CONTRACTOR SHALL INSPECT ALL INSTALLED EROSION CONTROL DEVICES A MINIMUM OF ONCE PER WEEK AND AFTER EACH STORM. IF ANY DEVICE IS FOUND TO BE DAMAGED, THE CONTRACTOR SHALL REPAIR IT IMMEDIATELY. IF SEDIMENT IS FOUND TO FILL MORE THAN HALF THE HEIGHT OF THE DEVICE, THE SEDIMENT SHALL BE REMOVED OR THE DEVICE REPLACED.
11. THE CONTRACTOR SHALL MAINTAIN A STOCKPILE OF EXTRA EROSION CONTROL MATERIALS ON SITE AT ALL TIMES.

12. THE CONTRACTOR SHALL IMPLEMENT SPILL PREVENTION PROCEDURES AND MAINTAIN A SPILL PREVENTION AND CLEANUP PLAN FOR THE SITE. ALL MATERIALS THAT ARE CAPABLE OF SPILLING, LEAKING, DISSOLVING OR OTHERWISE POLLUTING STORMWATER RUNOFF SHALL BE COVERED WHILE STORED AT THE SITE.
13. ALL MATERIALS THAT ARE CAPABLE OF SPILLING, LEAKING, DISSOLVING OR OTHERWISE POLLUTING STORMWATER RUNOFF SHALL BE COVERED WHILE STORED AT THE SITE.
14. ALL SEDIMENT REMOVED FROM THE SITE SHALL BE HANDLED IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
15. ALL TEMPORARY EROSION CONTROLS SHALL BE REMOVED FROM THE SITE PRIOR TO THE COMPLETION OF THE WORK, EXCEPT WHERE DEGRADABLE MATERIALS ARE TO REMAIN IN-PLACE PERMANENTLY.

**SITE PREPARATION / DEMOLITION NOTES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A THOROUGH SITE EXAMINATION TO DETERMINE THE EXTENT OF DEMOLITION NECESSARY TO PREPARE THE SITE FOR CONSTRUCTION AND SHALL VERIFY ALL ITEMS TO BE DEMOLISHED OR SALVAGED WITH THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
2. CARE SHALL BE TAKEN NOT TO DAMAGE ANY ITEMS DESIGNATED TO REMAIN; REPAIR OR REPLACEMENT OF DAMAGED ITEMS DESIGNATED TO REMAIN SHALL BE AT THE CONTRACTORS' EXPENSE.
3. DISPOSAL OF PROPERTY DESIGNATED TO BE REMOVED SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT OR OWNER, AND SHALL CONFORM TO ALL APPLICABLE LAWS AND

REGULATIONS. ALL SALVAGABLE MATERIAL SHALL BE DELIVERED BY THE CONTRACTOR TO STORAGE AREAS DESIGNATED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL REMOVE ALL EXISTING UNSUITABLE MATERIALS FROM THE SITE.

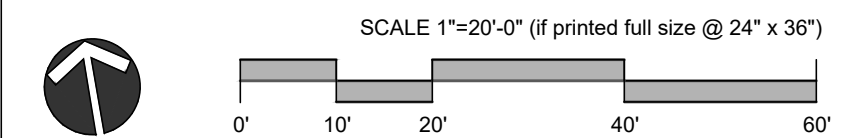
4. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN AS SHOWN ON THE PLANS AND DETAILS.
5. ALL TOPSOIL SHALL BE STRIPPED FROM THE AREA DESIGNATED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ALL TOPSOIL AS NEEDED TO MEET THE SPECIFICATIONS.
6. THE CONTRACTOR MAY USE TEMPORARY

FENCING TO CONTROL THE SITE DURING CONSTRUCTION. PRIOR TO THE FINALIZATION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY FENCING AND BARRICADES.

7. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY BASED ON AVAILABLE DATA AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT DIS SAFE AT 811 TO REQUEST UTILITIES TO BE MARKED ON THE GROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS/HER

FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

8. ALL PROPERTY BOUNDARY MONUMENTS SHALL BE PROTECTED AND/OR PRESERVED DURING DEMOLITION AND CONSTRUCTION. SHOULD ANY BOUNDARY MONUMENT BE DESTROYED AND/OR ALTERED AS A RESULT OF DEMOLITION AND CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE PARTY INCURRING THE DAMAGE TO OBTAIN THE SERVICES OF A PROFESSIONAL LAND SURVEYOR TO REPLACE AND RESET SAID MONUMENT.





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Williamsburg Safety Complex  
16 Main Street  
Williamsburg, MA

PERMIT SET

SITE LAYOUT & PLANTING PLAN

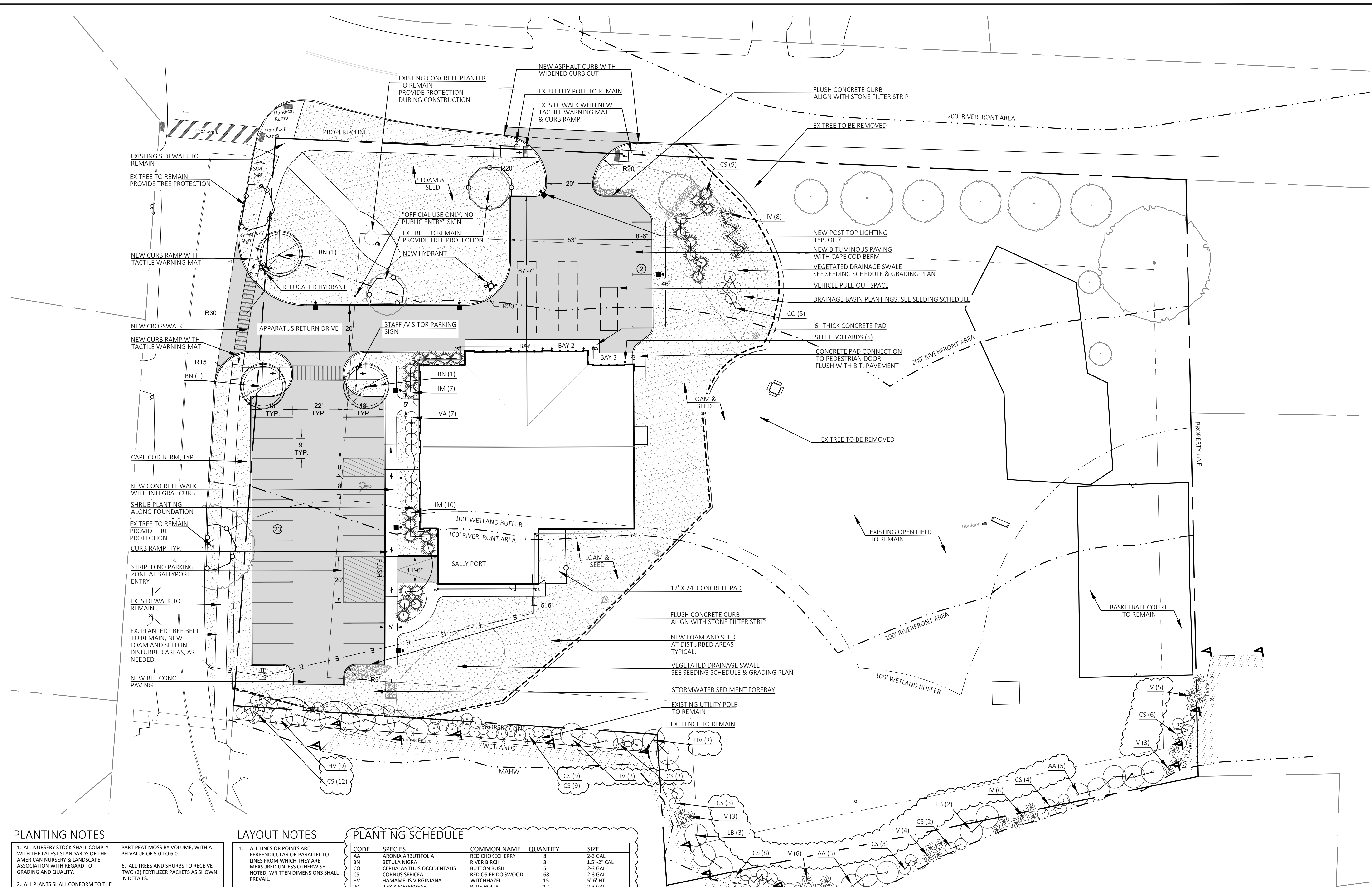
Revisions

December 9, 2021  
December 15, 2021  
December 17, 2021

Date: November 4, 2021 Sheet Number

Scale: 1"=20'  
Drawn By: CS/DS  
Checked By: JS

LC-111



PLANTING NOTES

1. ALL NURSERY STOCK SHALL COMPLY WITH THE LATEST STANDARDS OF THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION WITH REGARD TO GRADING AND QUALITY.
2. ALL TREES AND SHRUBS TO RECEIVE TWO (2) FERTILIZER PACKETS AS SHOWN IN DETAILS.
3. ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED, EXCEPT THAT PLANTS LARGER THAN THOSE SPECIFIED MAY BE USED IF APPROVED BY THE LANDSCAPE ARCHITECT.
4. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE MOVED WITH THE ROOT SYSTEM AS SOLID UNITS; ROOT BALLS SHALL BE FIRMLY WRAPPED WITH BURLAP. CONTAINER GROWN PLANTS SHALL NOT BE REMOVED FROM CONTAINER PRIOR TO THE TIME OF INSTALLATION; ROOT SYSTEM SHALL BE FIRMLY SET IN CONTAINER.
5. PLANTING SOIL MIX SHALL CONSIST OF SEVEN (7) PARTS LOAM AND ONE (1) PART PEAT MOSS BY VOLUME, WITH A PH VALUE OF 5.0 TO 6.0.
6. ALL TREES AND SHRUBS TO RECEIVE TWO (2) FERTILIZER PACKETS AS SHOWN IN DETAILS.
7. PLANTING BEDS TO RECEIVE 4" DEPTH OF BARK MULCH.
8. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE FULL GROWING SEASON (ONE YEAR) AFTER INSTALLATION.
9. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR UNEXPECTEDLY DEQUALIFIES PRIOR TO ACCEPTANCE OF WORK SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUALITY, SIZE AND MEETING ALL PLANTING SPECIFICATIONS.
10. PLANTING LAYOUT SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
11. ALL DISTURBED AREAS NOT PLANTINGS OR MULCH SHALL BE LOAM AND WILDFLOWER SEED MIX.

LAYOUT NOTES

1. ALL LINES OR POINTS ARE PERPENDICULAR OR PARALLEL TO LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE NOTED; WRITTEN DIMENSIONS SHALL PREVAIL.
2. THE CONTRACTOR SHALL VERIFY ALL LAYOUT, DIMENSIONS, GRADES, AND INVERTS PRIOR TO CONSTRUCTION; REPORT ANY DISCREPANCIES TO THE ENGINEER. ALL DISCREPANCIES SHALL BE RESOLVED IN WRITING PRIOR TO BEGINNING WORK.
3. ALL AREAS DISTURBED FROM CONSTRUCTION ACTIVITY TO BE RAKED, SMOOTHED, FERTILIZED AND SEEDED WITH PERENNIAL TURFGRASSES UNLESS OTHERWISE NOTED.
4. ALL NEW WALKS AND SURFACES TO MEET EXISTING WALKS AND SURFACES WITH SMOOTH, CONTINUOUS LINE AND GRADE.
5. THE CONTRACTOR SHALL NOT INSTALL CONCRETE DURING ADVERSE WEATHER CONDITIONS (RAIN, SLEET, ETC.) UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT.

PLANTING SCHEDULE

CODE	SPECIES	COMMON NAME	QUANTITY	SIZE
AA	ARONIA ARBUTIFOLIA	RED CHOKECHERRY	8	2-3 GAL
BN	BETULA NIGRA	RIVER BIRCH	3	1.5"-2" CAL
CO	CEPHALANTHUS OCCIDENTALIS	BUTTON BUSH	5	2-3 GAL
CS	CORNUS SERICEA	RED OSIER DOGWOOD	68	2-3 GAL
HV	HAMAMELIS VIRGINIANA	WITCHHAZEL	15	5'-6" HT
IM	ILEX X MESERVEAE	BLUE HOLLY	17	2-3 GAL
IV	ILEX VERTICILLATA	WINTER BERRY	35	2-3 GAL
LB	LINDERA BENZOIN	SPICEBUSH	5	3'-4" HT
VA	VIBURNUM ACERIFOLIUM	MAPLELEAF VIBURNUM	7	2-3 GAL

VEGETATED DRAINAGE SWALE SEEDING SCHEDULE

NEW ENGLAND WETLAND PLANTS, INC.  
NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES  
APPLICATION RATE: 35 LBS/ACRE // 1,900 SF/LB

SPECIES	COMMON NAME
AGROSTIS PERENNANS	UPLAND BENTGRASS
ANDROPOGON GERARDII	BIG BLUESTEM
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER
BIDENS CERNUA	NODDING BUR MARIGOLD
ELYMUS RIPARIUS	RIVERBANK WILD RYE
EUPATORIUM FISTULOSUM/ EUTROCHIIUM FISTULOSUM	HOLLOW-STEM JOE PYE WEED
EUPATORIUM PERIFOLIATUM	BONSET
FESTUCA RUBRA	CREeping RED FESCUE
JUNCUS EFFUSUS	SOFT RUSH
PANICUM VIRGATUM	SWITCH GRASS
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM
SCIRPUS CYPERIUS	WOOL GRASS
VERBENA HASTATA	BLUE VERVAIN

E:\WILLIAMSBURG SAFETY COMPLEX\DESIGN\PROCESSING\DRAWINGS\LC-111 SITE LAYOUT.DWG - PLOT DATE: 12/17/2021



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Williamsburg  
Safety Complex  
16 Main Street  
Williamsburg, MA

PERMIT SET

GRADING &  
UTILITIES PLAN

Revisions

December 6, 2021
December 15, 2021
December 17, 2021

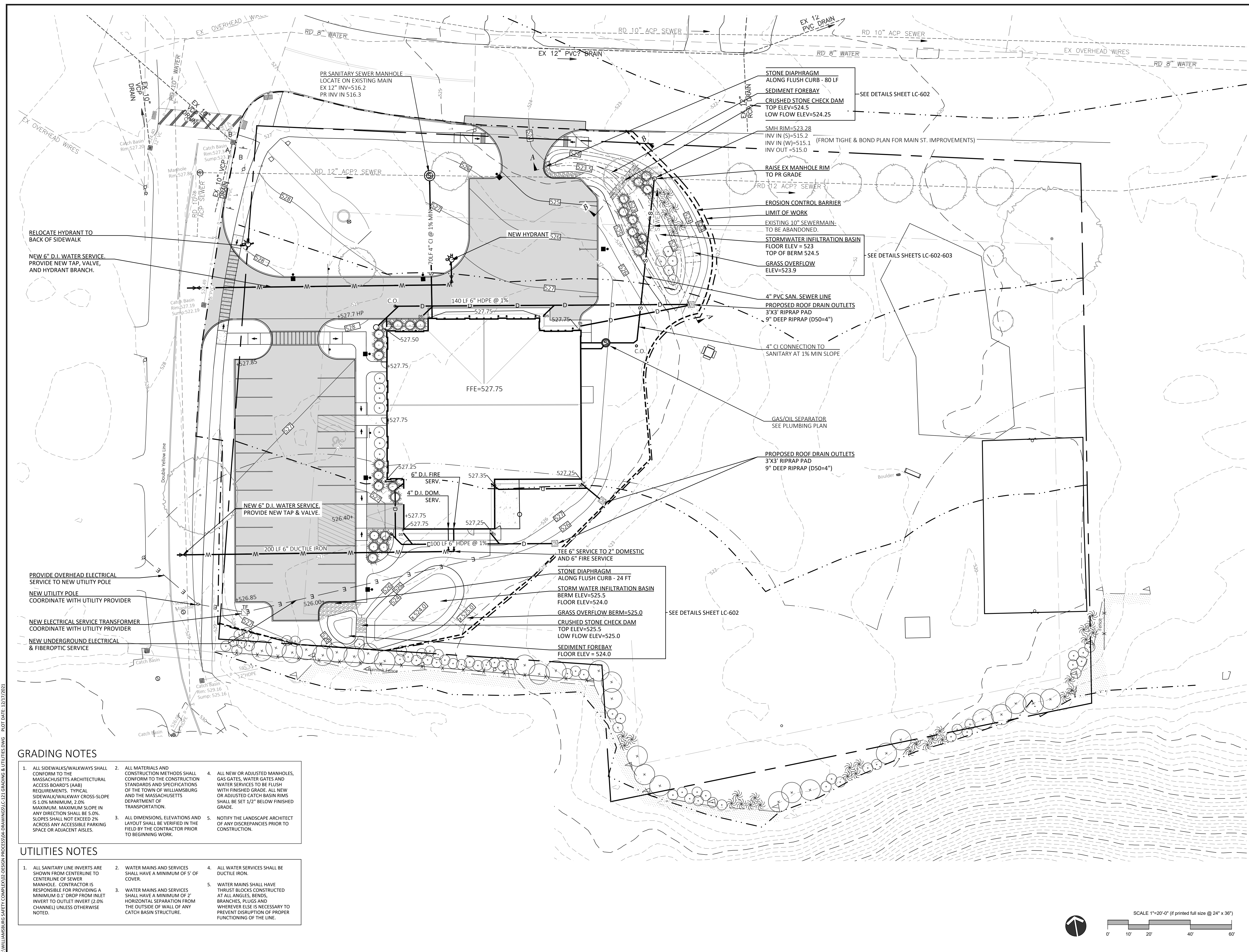
Date: November 4, 2021 Sheet Number

Scale: 1"=20'

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Checked By: JS

**LC-121**



**GRADING NOTES**

1. ALL SIDEWALKS/WALKWAYS SHALL CONFORM TO THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD'S (AAB) REQUIREMENTS. TYPICAL SIDEWALK/WALKWAY CROSS-SLOPE IS 1.0% MINIMUM, 2.0% MAXIMUM. MAXIMUM SLOPE IN ANY DIRECTION SHALL BE 5.0%. SLOPES SHALL NOT EXCEED 2% ACROSS ANY ACCESSIBLE PARKING SPACE OR ADJACENT AISLES.
2. ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE TOWN OF WILLIAMSBURG AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION.
3. ALL DIMENSIONS, ELEVATIONS AND LAYOUT SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO BEGINNING WORK.
4. ALL NEW OR ADJUSTED MANHOLES, GAS GATES, WATER GATES AND WATER SERVICES TO BE FLUSH WITH FINISHED GRADE. ALL NEW OR ADJUSTED CATCH BASIN RIMS SHALL BE SET 1/2" BELOW FINISHED GRADE.
5. NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

**UTILITIES NOTES**

1. ALL SANITARY LINE INVERTS ARE SHOWN FROM CENTERLINE TO CENTERLINE OF SEWER MANHOLE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A MINIMUM 0.1% DROP FROM INLET INVERT TO OUTLET INVERT (2.0% CHANNEL) UNLESS OTHERWISE NOTED.
2. WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 5' OF COVER.
3. WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 2' HORIZONTAL SEPARATION FROM THE OUTSIDE OF WALL OF ANY CATCH BASIN STRUCTURE.
4. ALL WATER SERVICES SHALL BE DUCTILE IRON.
5. WATER MAINS SHALL HAVE THRUST BLOCKS CONSTRUCTED AT ALL ANGLES, BENDS, BRANCHES, PLUGS AND WHEREVER ELSE IS NECESSARY TO PREVENT DISRUPTION OF PROPER FUNCTIONING OF THE LINE.

E:\WILLIAMSBURG SAFETY COMPLEX\DESIGN PROCESS\DRAWINGS\LC-121 GRADING & UTILITIES.DWG PLOT DATE: 11/17/2021



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PERMIT SET

SITE DETAILS

Revisions  
December 15, 2021

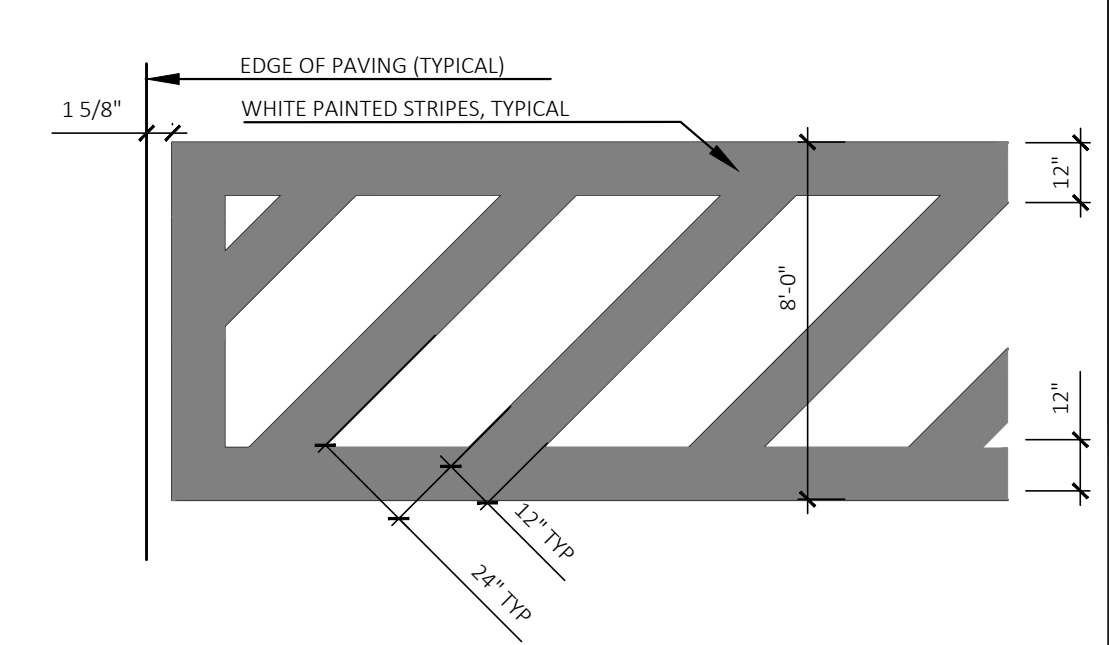
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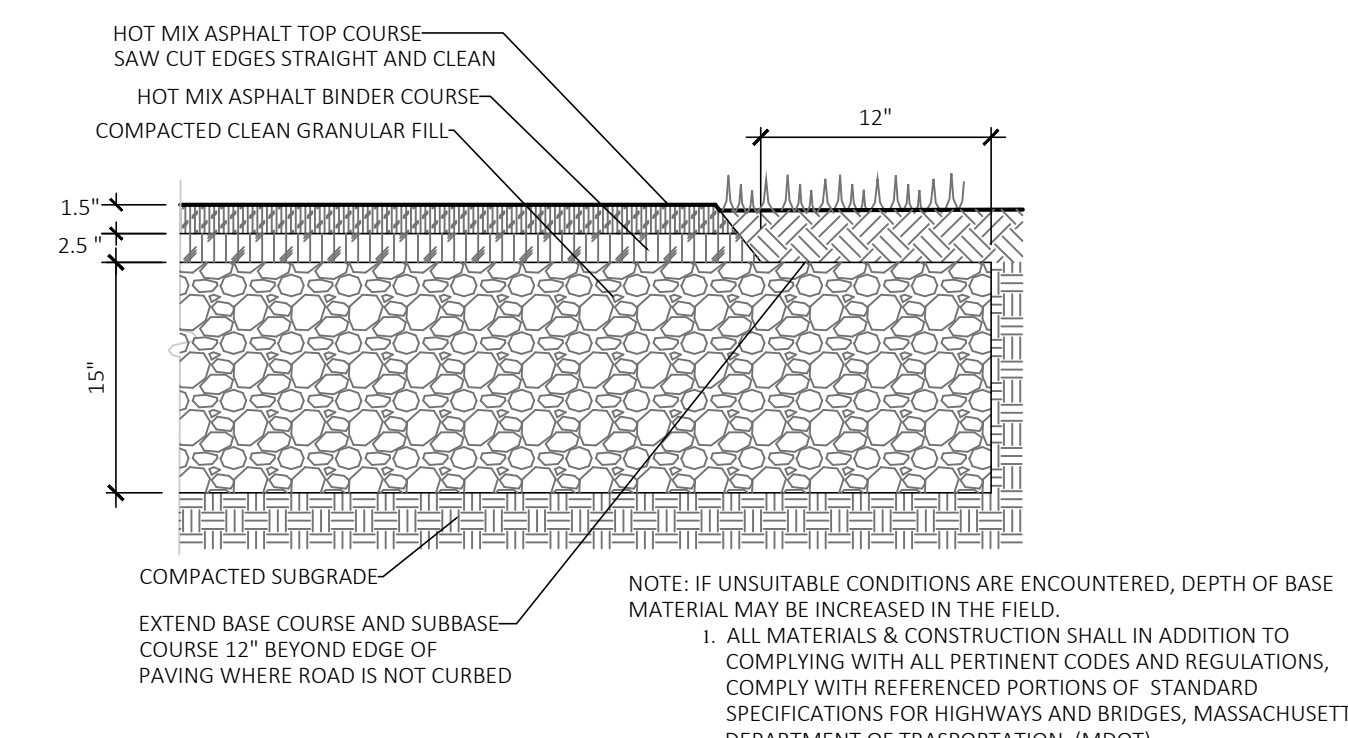
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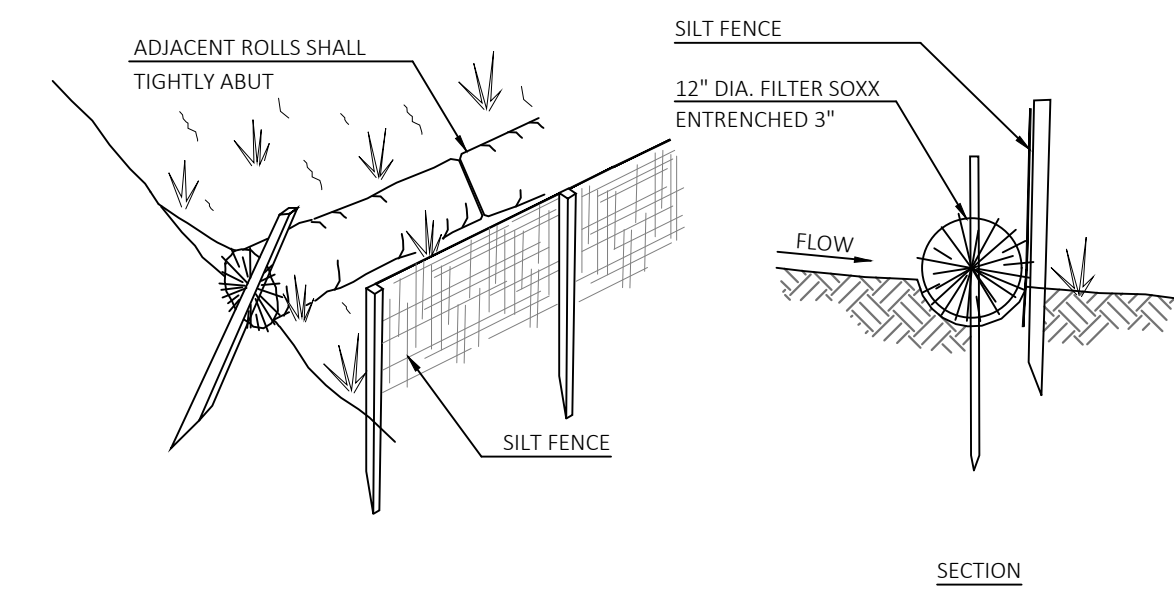
LC-601



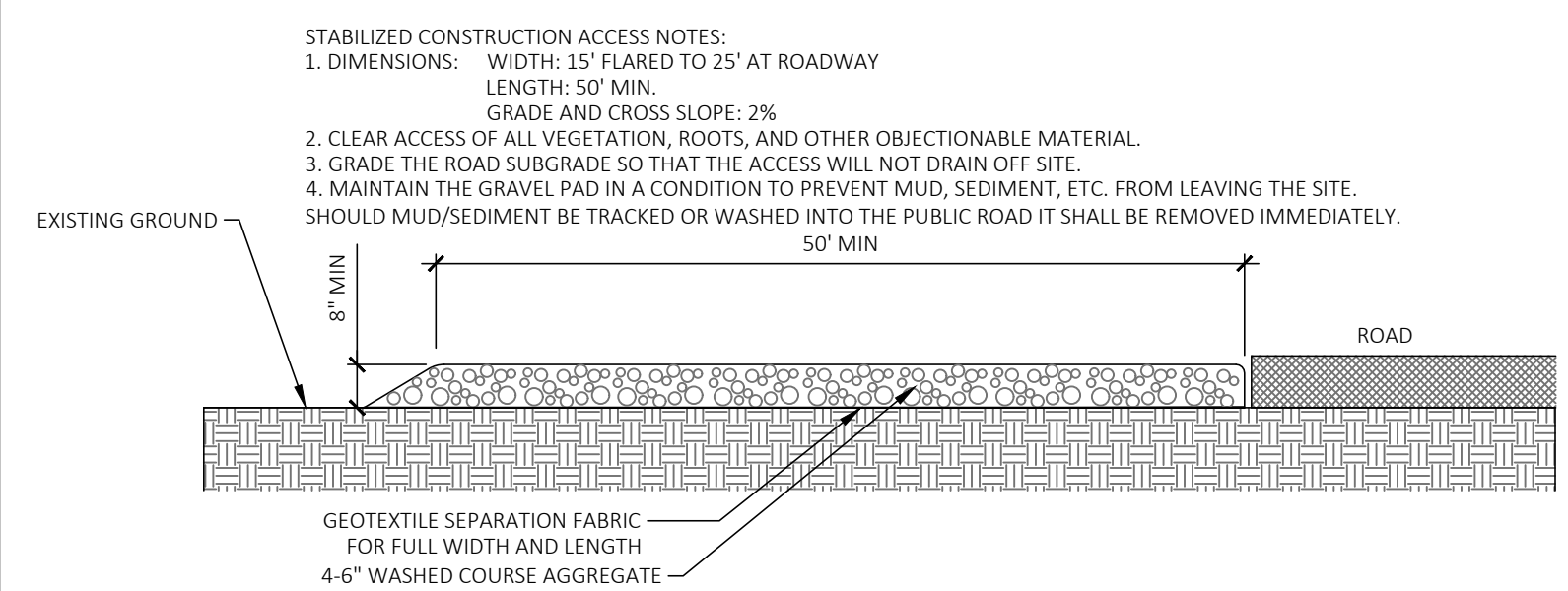
04 TYPICAL CROSSWALK STRIPING  
SCALE: NTS



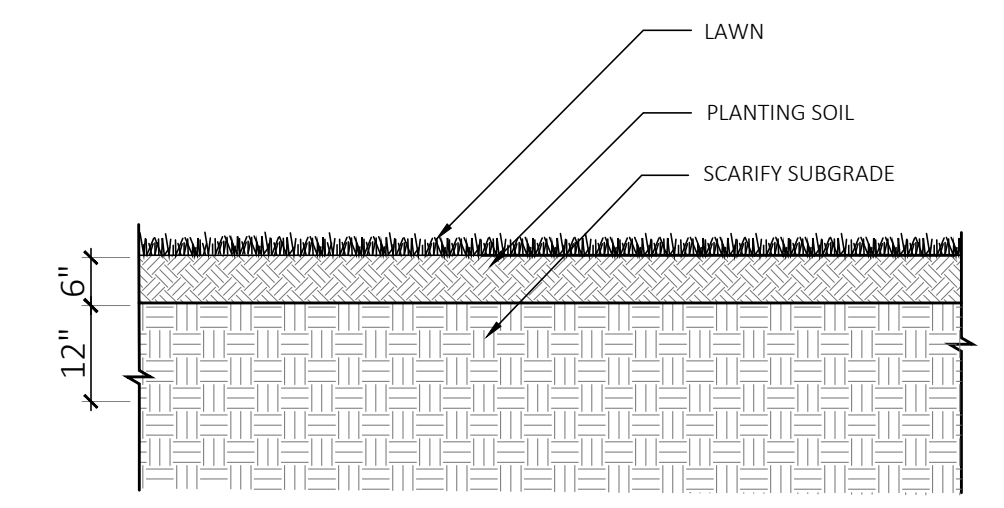
03 TYPICAL ASPHALT PAVING  
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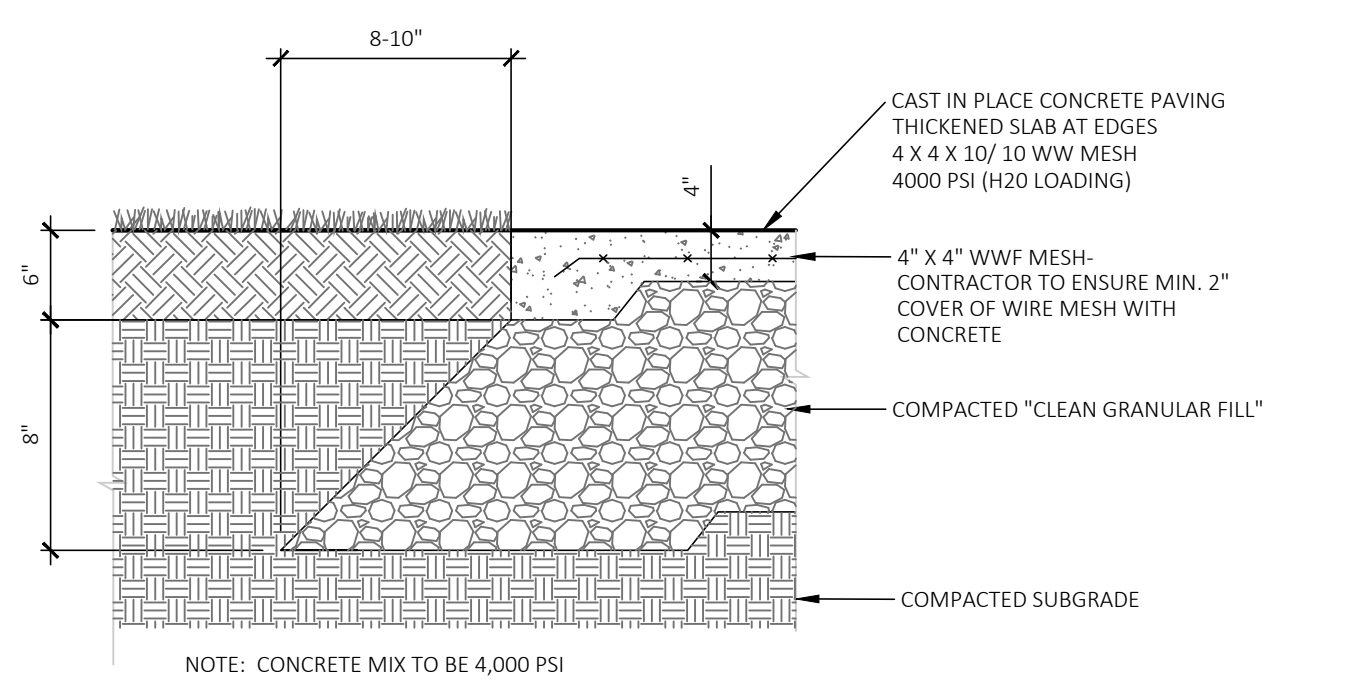
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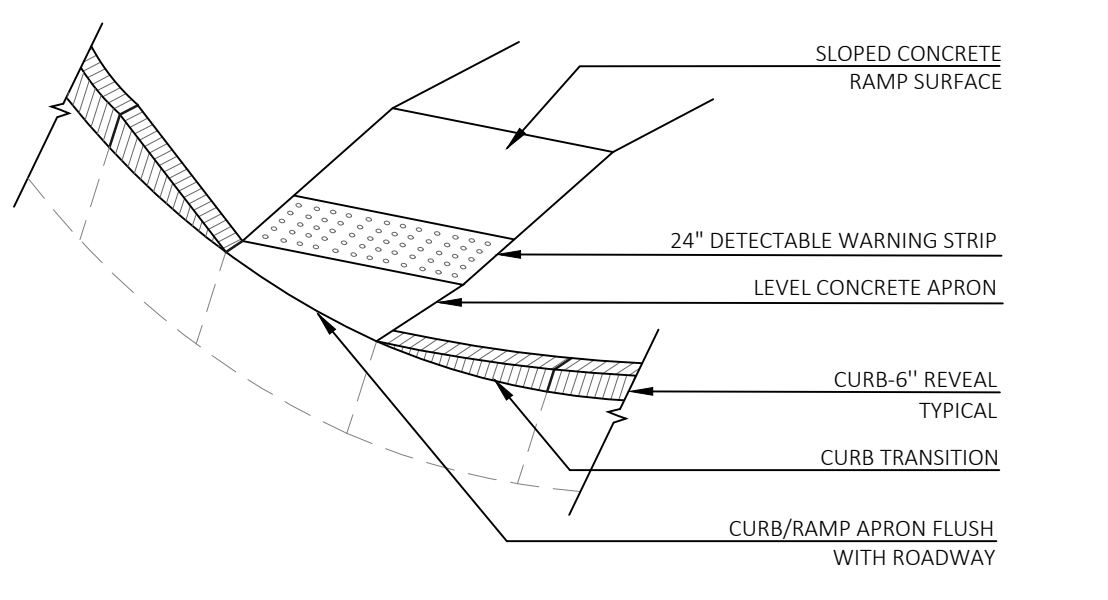
01 TEMPORARY TRACKING PAD  
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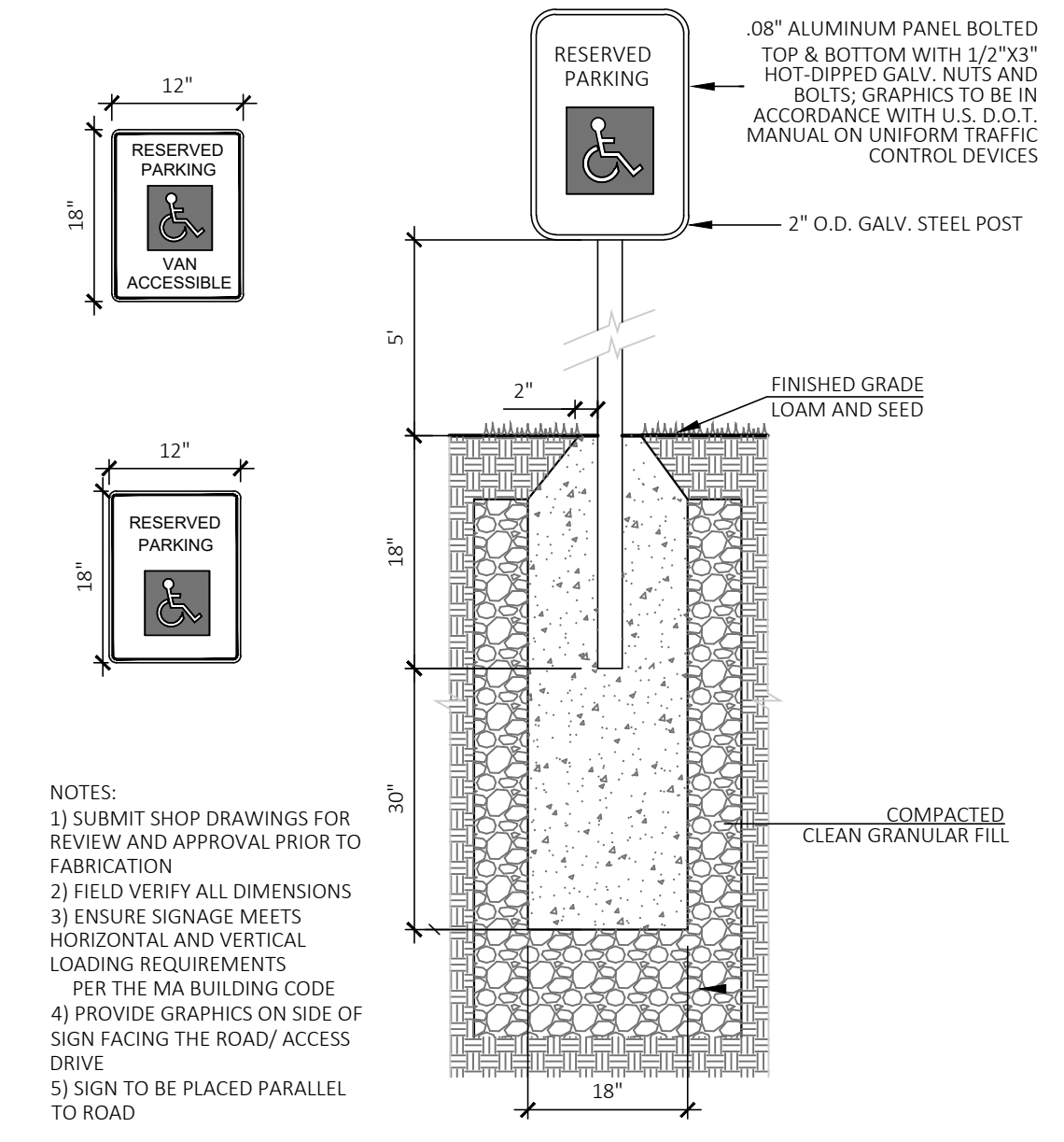
07 LAWN PLANTING  
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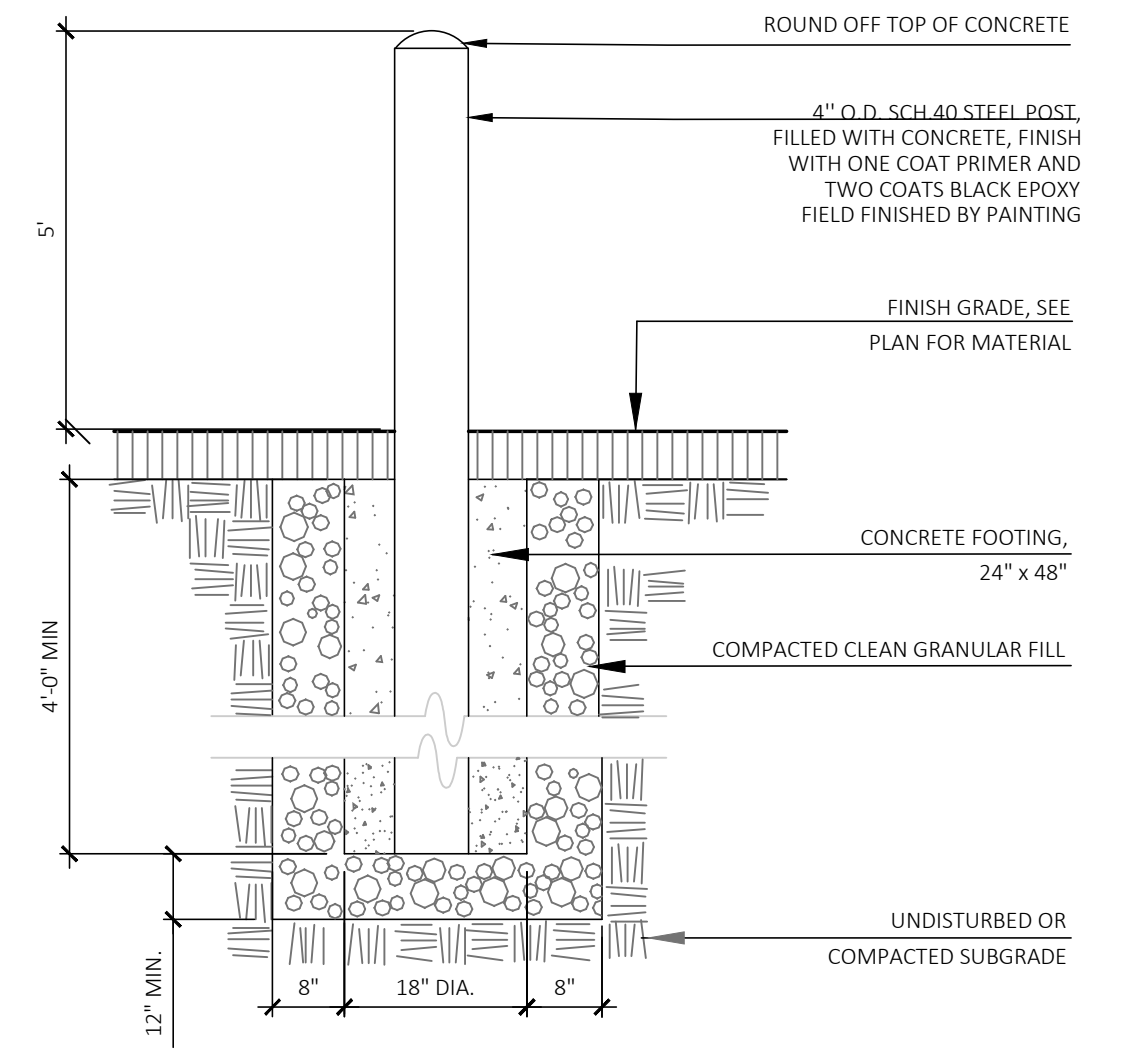
06 TYPICAL CONCRETE PAVING  
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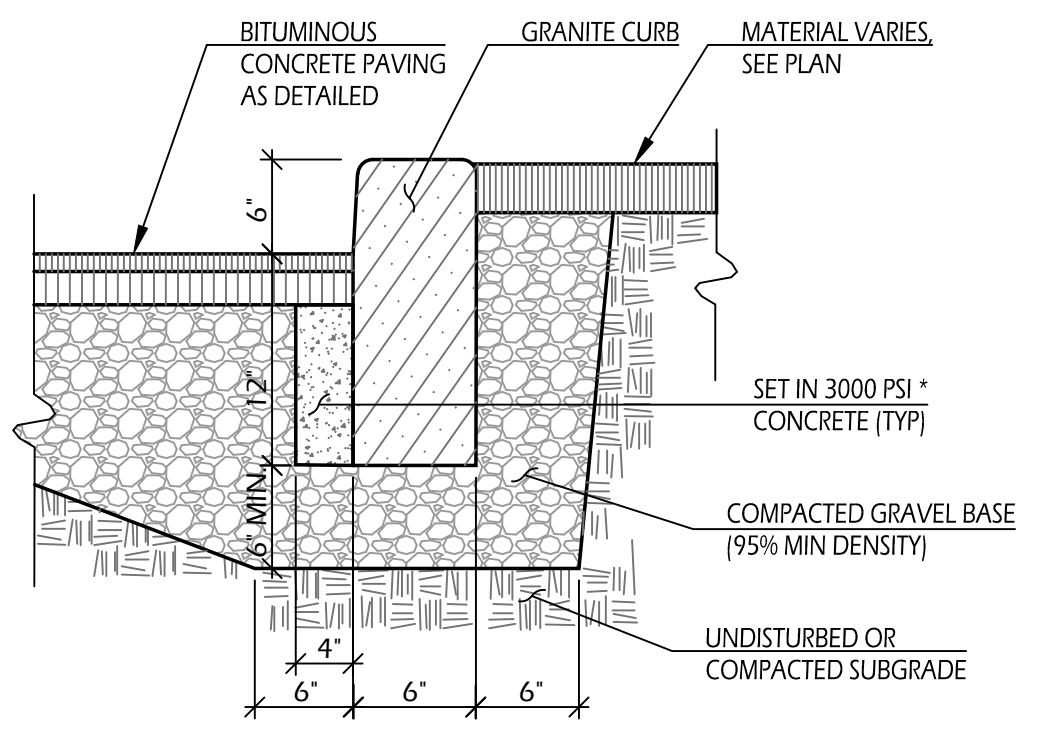
05 TYPICAL ADA CURB RAMPS  
SCALE: NTS



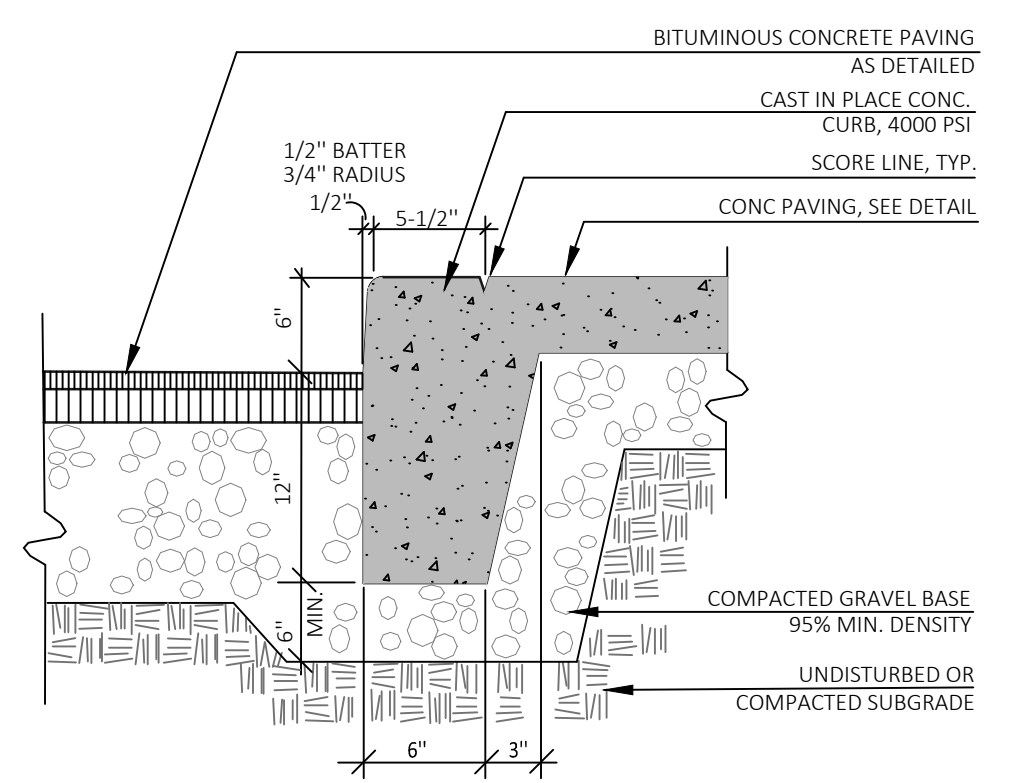
12 POST AND PANEL SIGNS  
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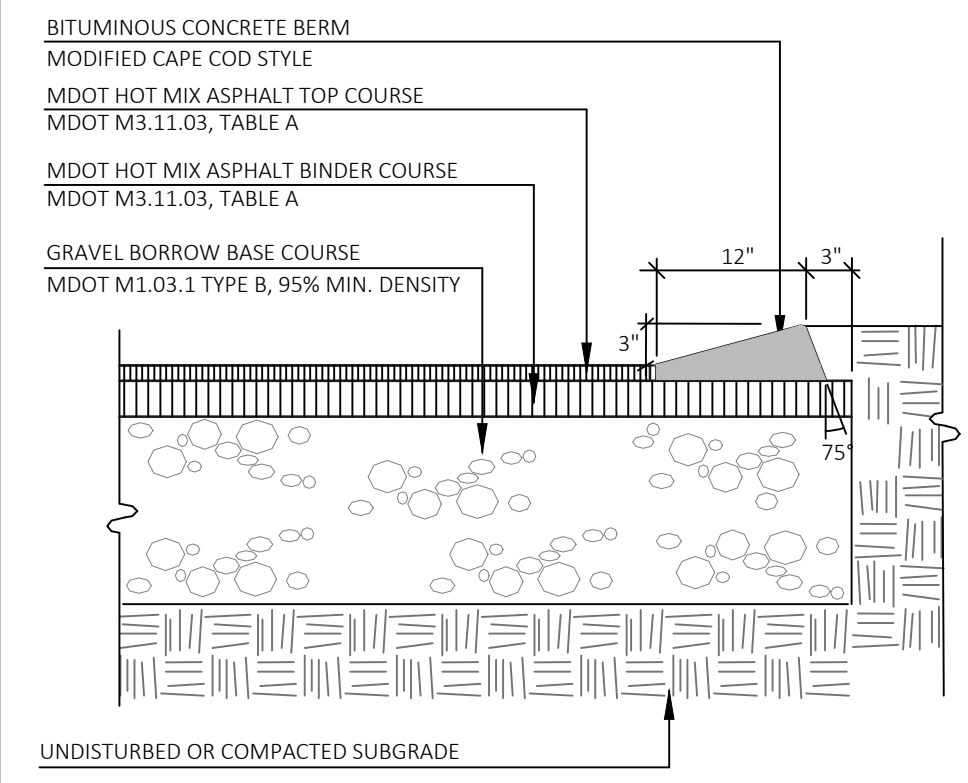
11 STEEL-CONCRETE BOLLARD  
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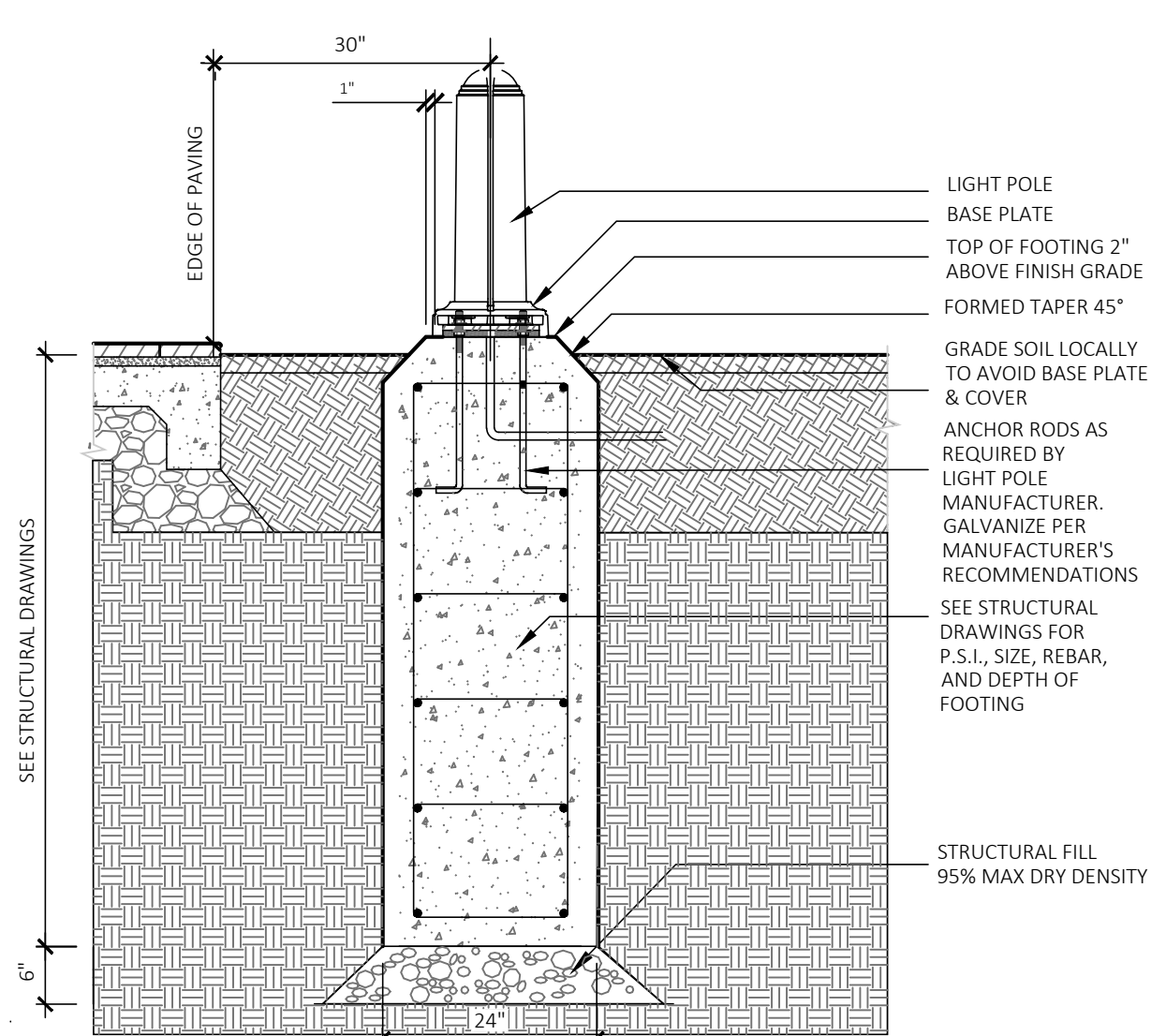
10 GRANITE CURB DETAIL  
SCALE: NOT TO SCALE



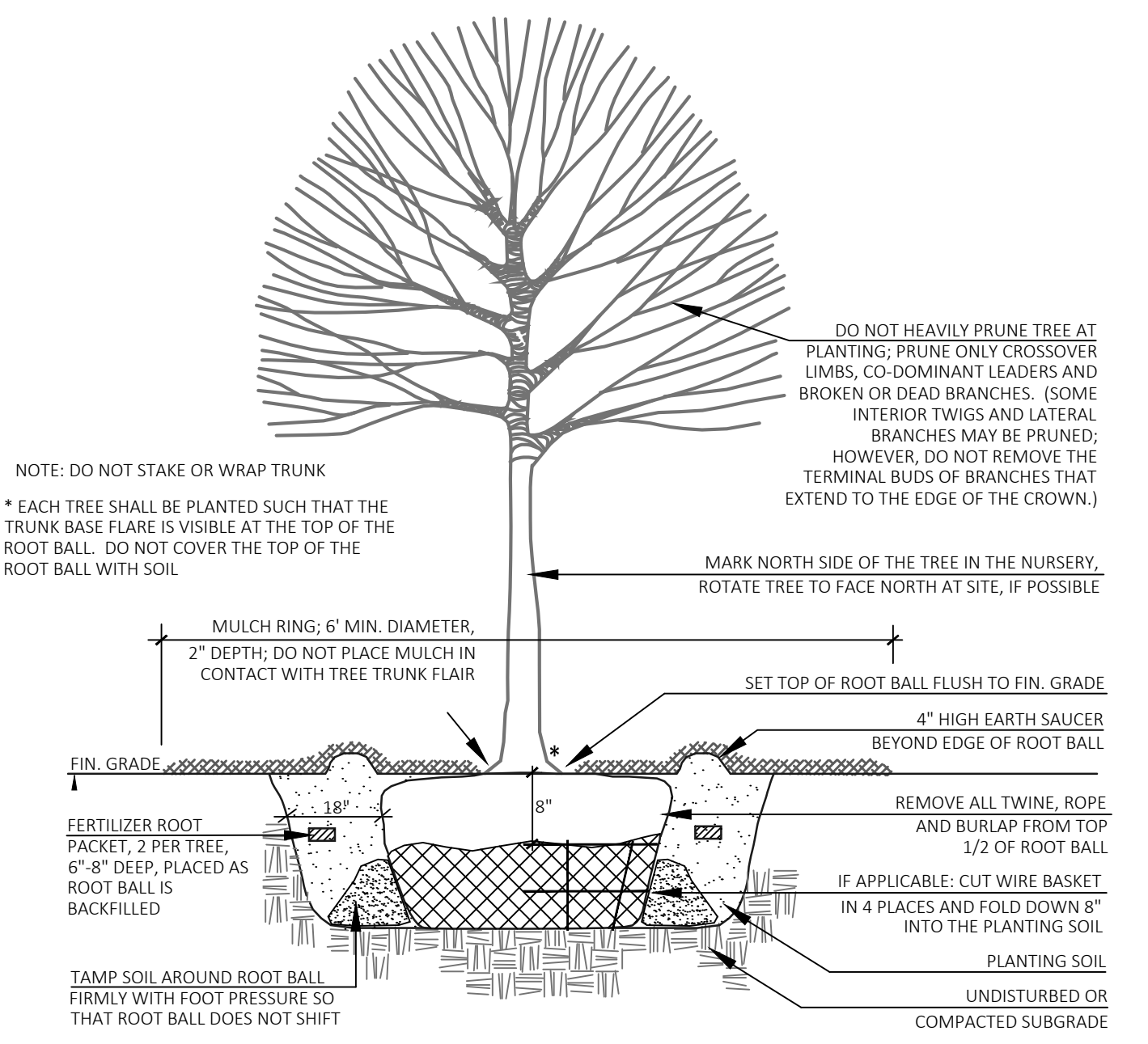
09 INTEGRAL CONCRETE CURB  
SCALE: NTS



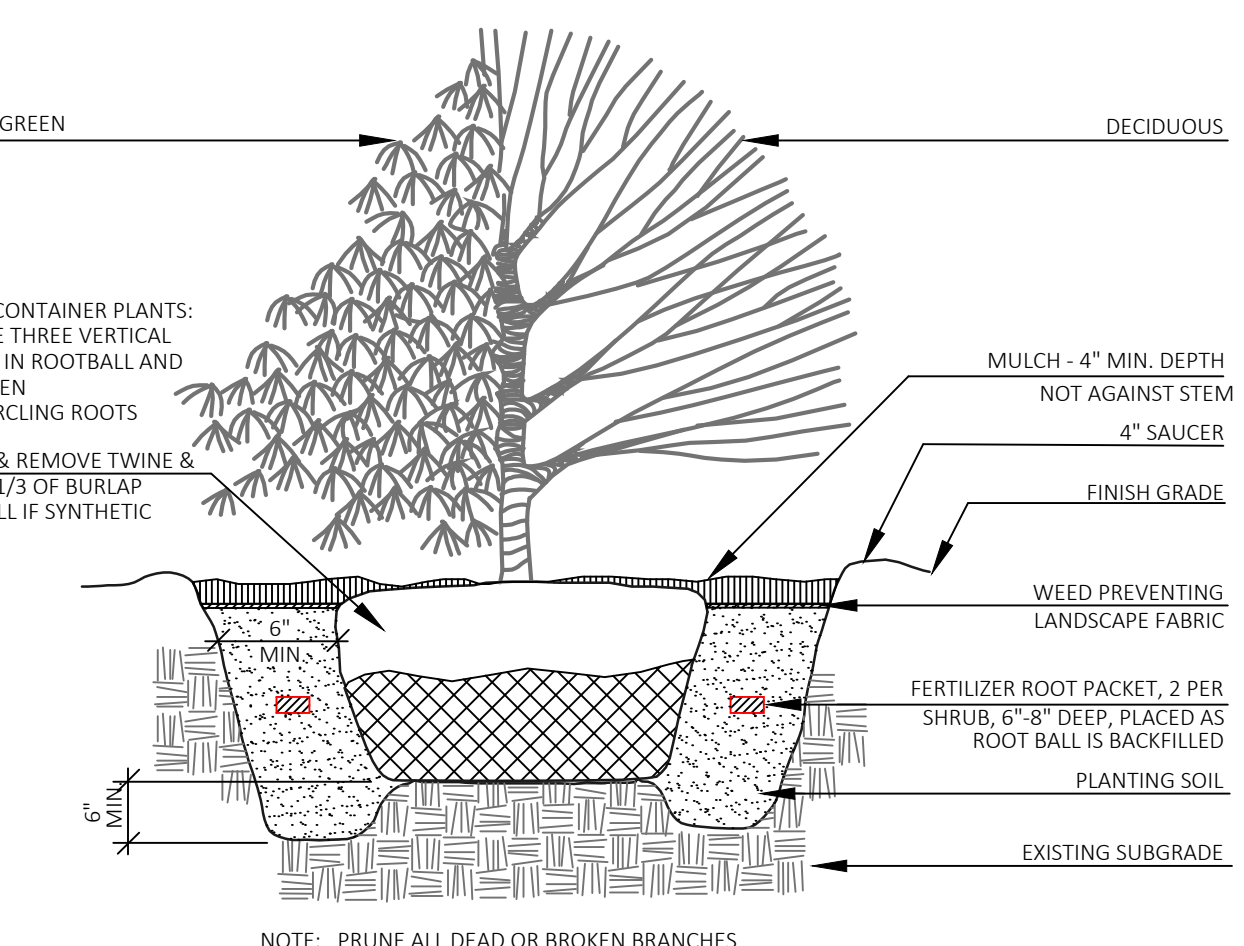
08 CAPE COD BERM CURB  
SCALE: NTS



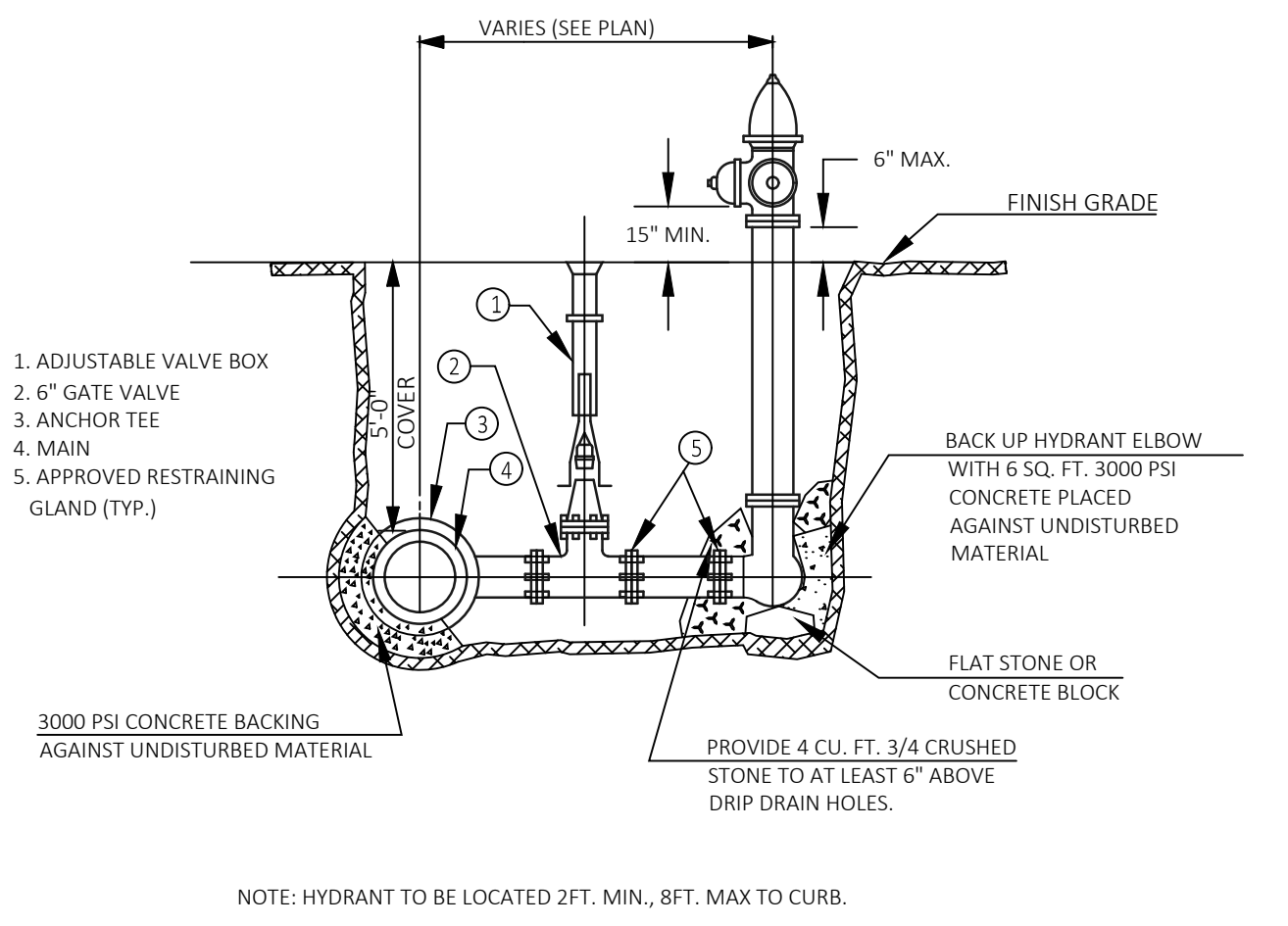
15 TYPICAL LIGHT FOOTING  
SCALE: NTS



14 TREE PLANTING  
SCALE: NTS



13 SHRUB PLANTING  
SCALE: NTS



16 FIRE HYDRANT  
SCALE: NTS

E:\WILLIAMSBURG SAFETY COMPLEX\DESIGN PROCESSING\DRAWINGS\LC-601 SITE DETAILS.DWG. PLOT DATE: 12/15/2021



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Williamsburg Safety Complex  
16 Main Street  
Williamsburg, MA

PERMIT SET

SITE DETAILS

Revisions

December 15, 2021

Date: November 4, 2021

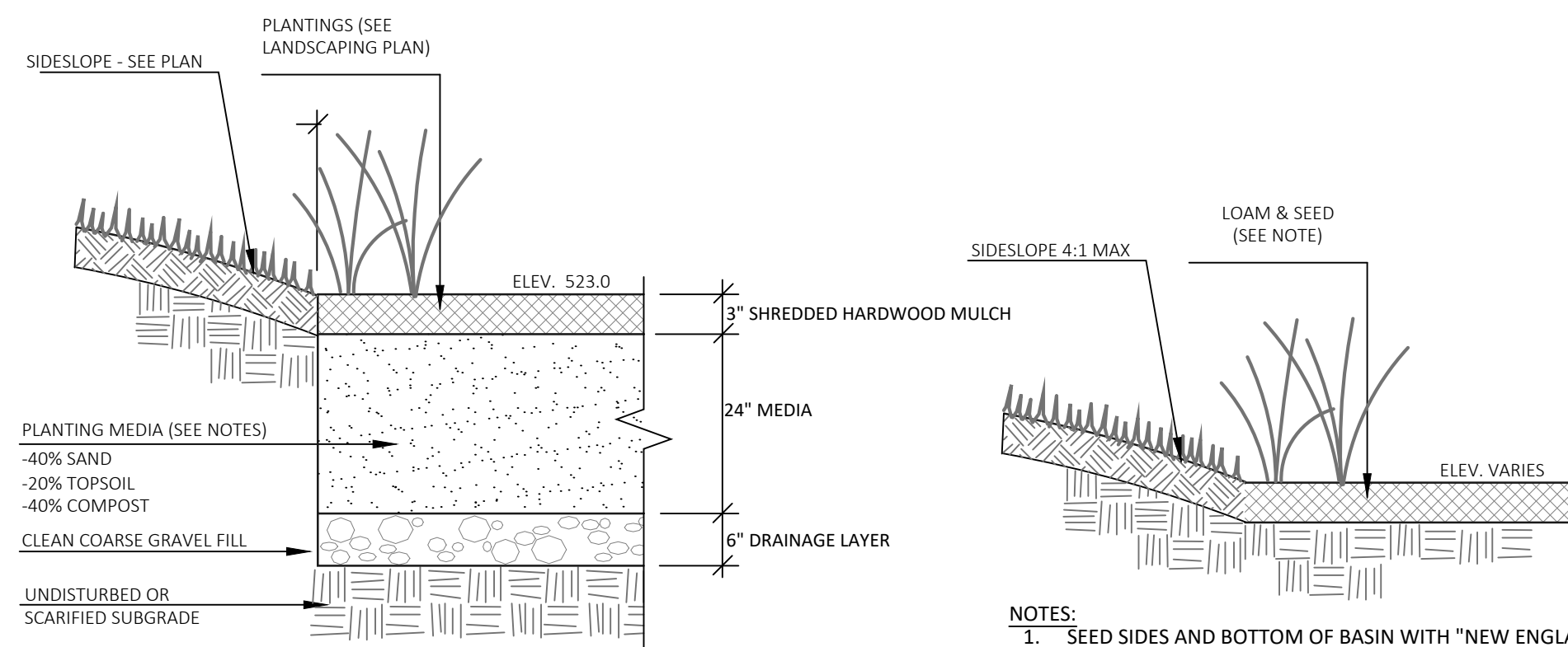
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Drawn By: CS/DS

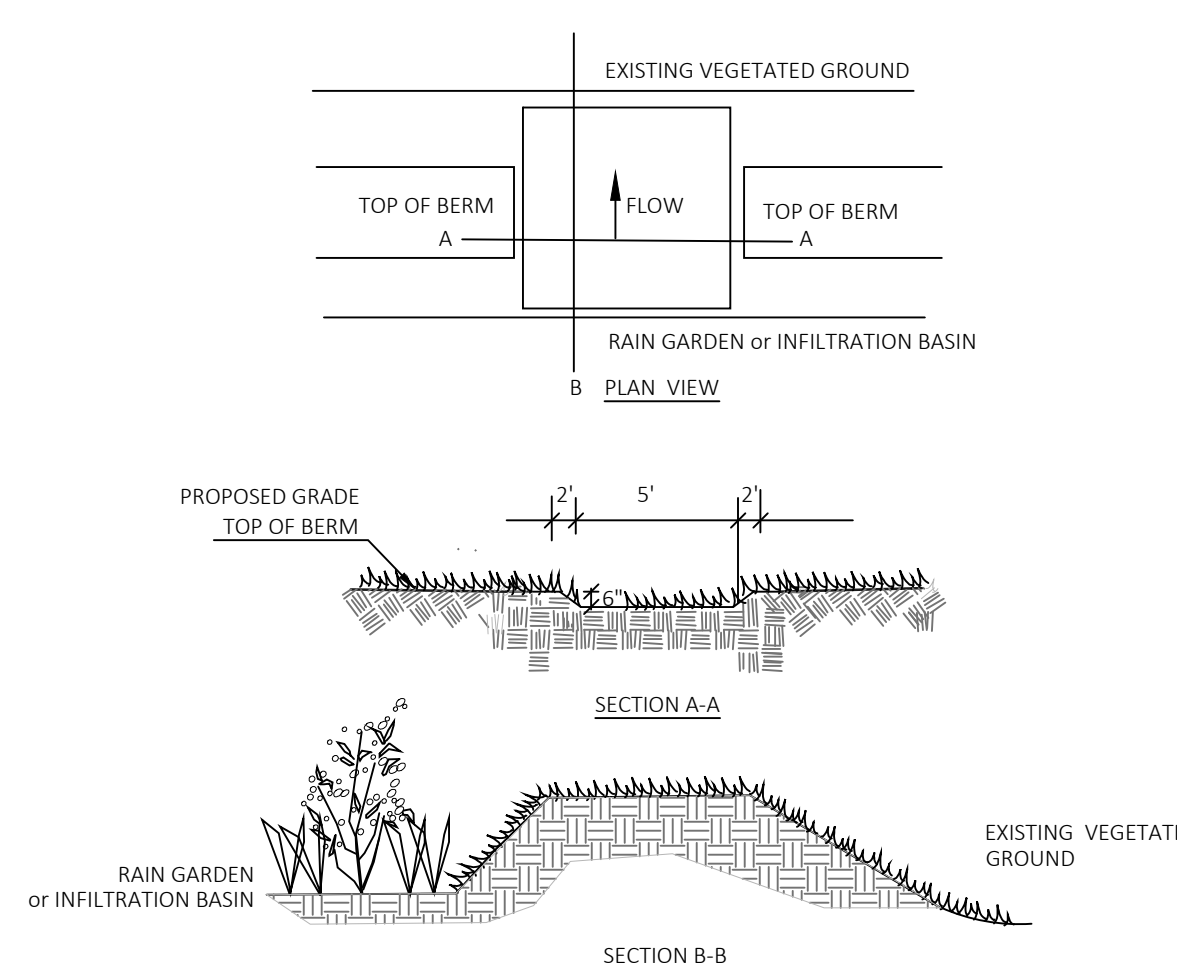
Checked By: JS

LC-602

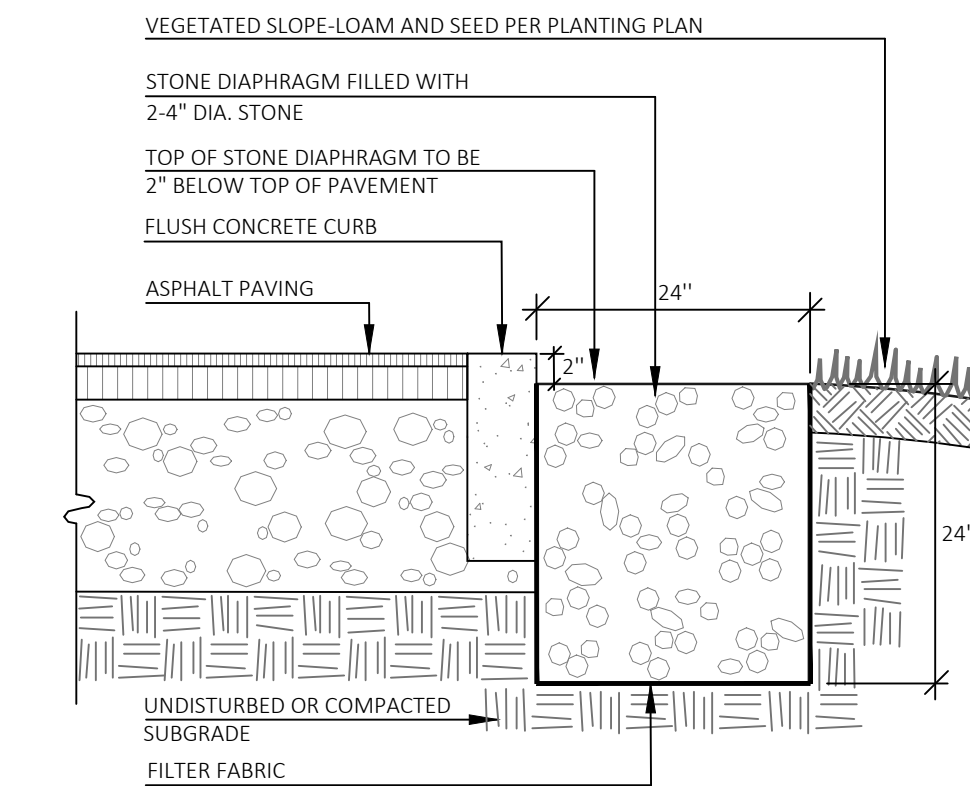


- NOTES:**
- SEED SIDES AND BOTTOM OF BASIN WITH "NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES" MIX FROM NEW ENGLAND WETLANDS PLANTS.
  - PROTECT BASIN FROM RUNOFF UNTIL THE TRIBUTARY AREA IS STABILIZED AND A VIABLE VEGETATIVE COVER HAS BEEN ACHIEVED WITHIN THE BASIN.
  - 6" LOAM FOR BOTTOM OF INFILTRATION BASIN SHALL BE A MIX OF 40% CLEAN SAND, 20% TOPSOIL, 40% COMPOST.

**02 INFILTRATION BASIN**  
SCALE: NOT TO SCALE

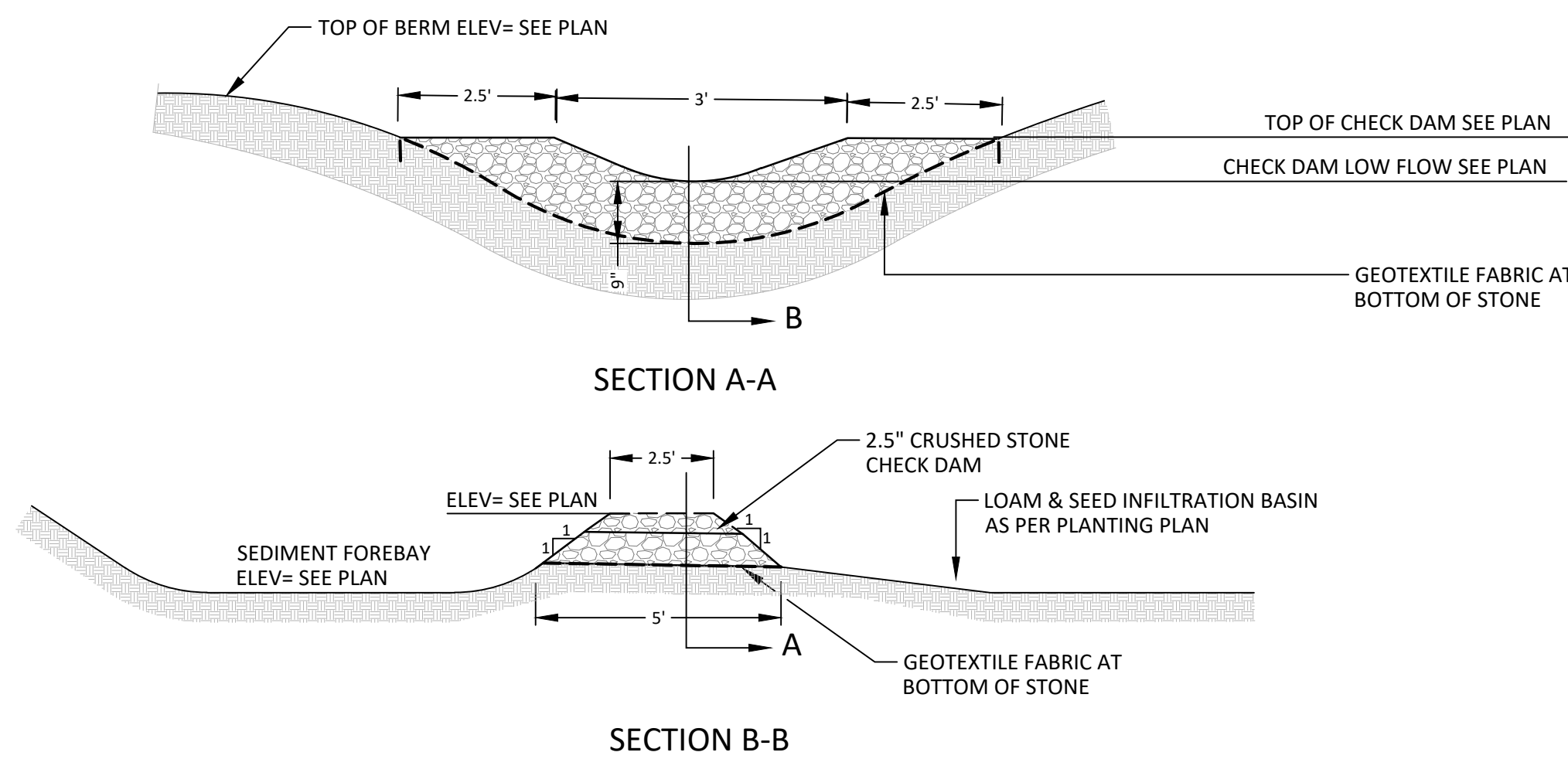


**03 RAIN GARDEN/INFILTRATION OVERFLOW**  
SCALE: NOT TO SCALE

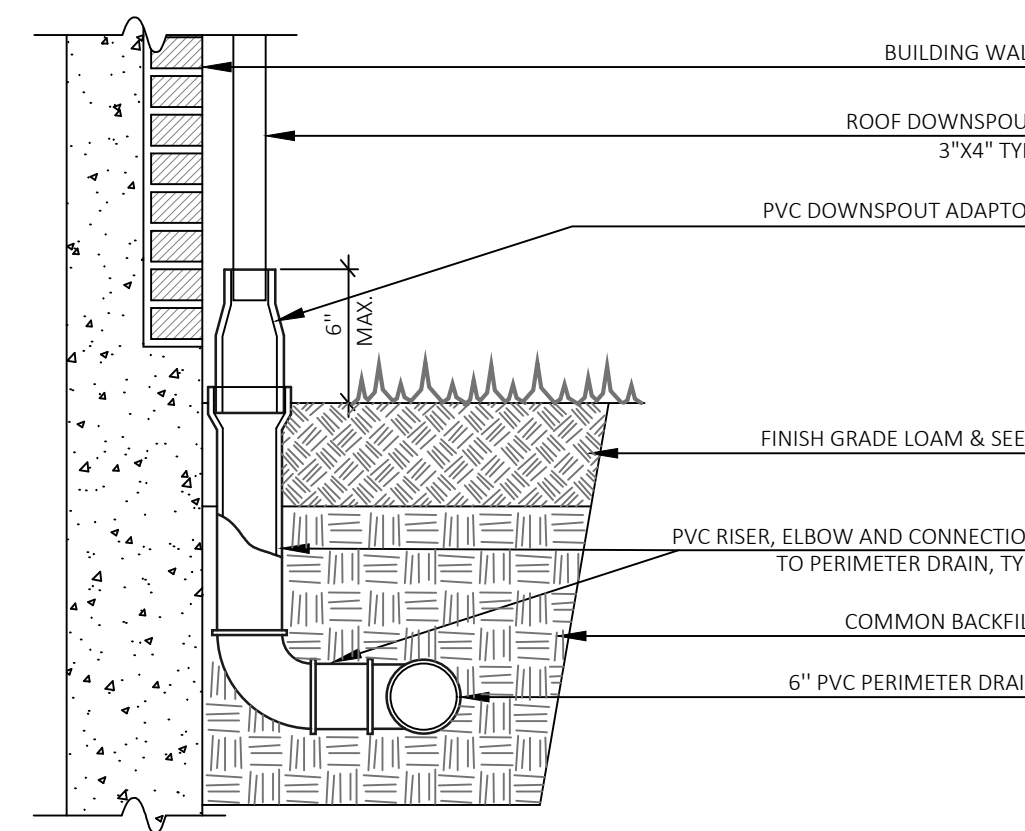


**04 STONE DIAPHRAGM**  
SCALE: NOT TO SCALE

**01 RAIN GARDEN**  
SCALE: NOT TO SCALE



**05 SEDIMENT FOREBAY CHECK DAM**  
SCALE: NOT TO SCALE



**06 DOWNSPOUT CONNECTION**  
SCALE: NOT TO SCALE

**07 EROSION CONTROL INLET PROTECTION**  
SCALE: NOT TO SCALE

**SILTSACK® SPECIFICATIONS:**  
NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

**REGULAR FLOW SILTSACK® (REG)**  
(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

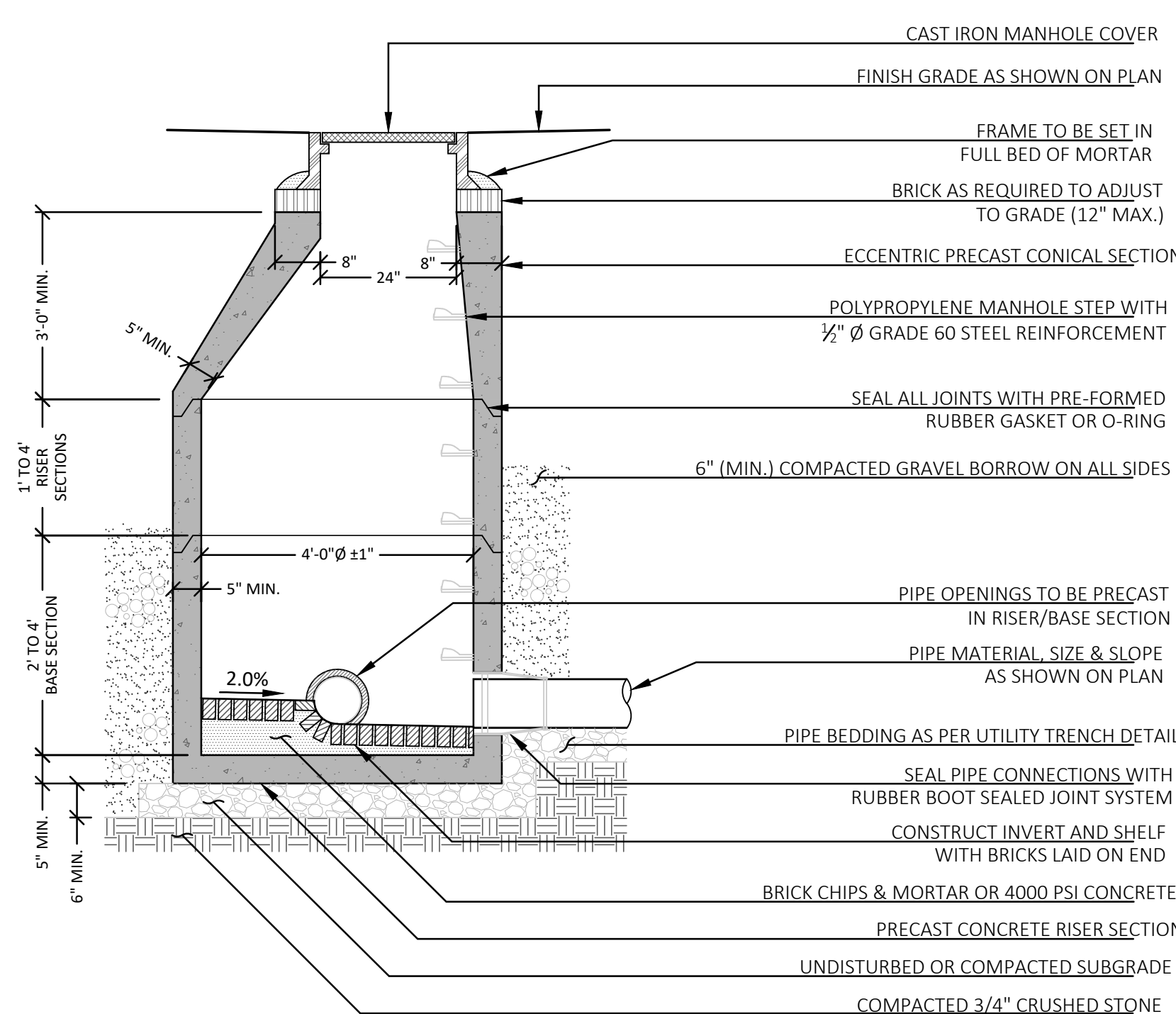
**HI-FLOW SILTSACK® (HI)**  
(FOR AREAS OF MODERATE TO HIGH PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS (REG)	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%	20%
PUNCTURE	ASTM D-4853	120 LBS	135 LBS
MULLEN BURST	ASTM D-3786	800 PSI	420 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS	45 LBS
UV RESISTANCE	ASTM D-4355	80% 90%	
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE	20 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC <sup>-1</sup>	1.5 SEC <sup>-1</sup>

**OIL-ABSORBANT SILTSACK®**  
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

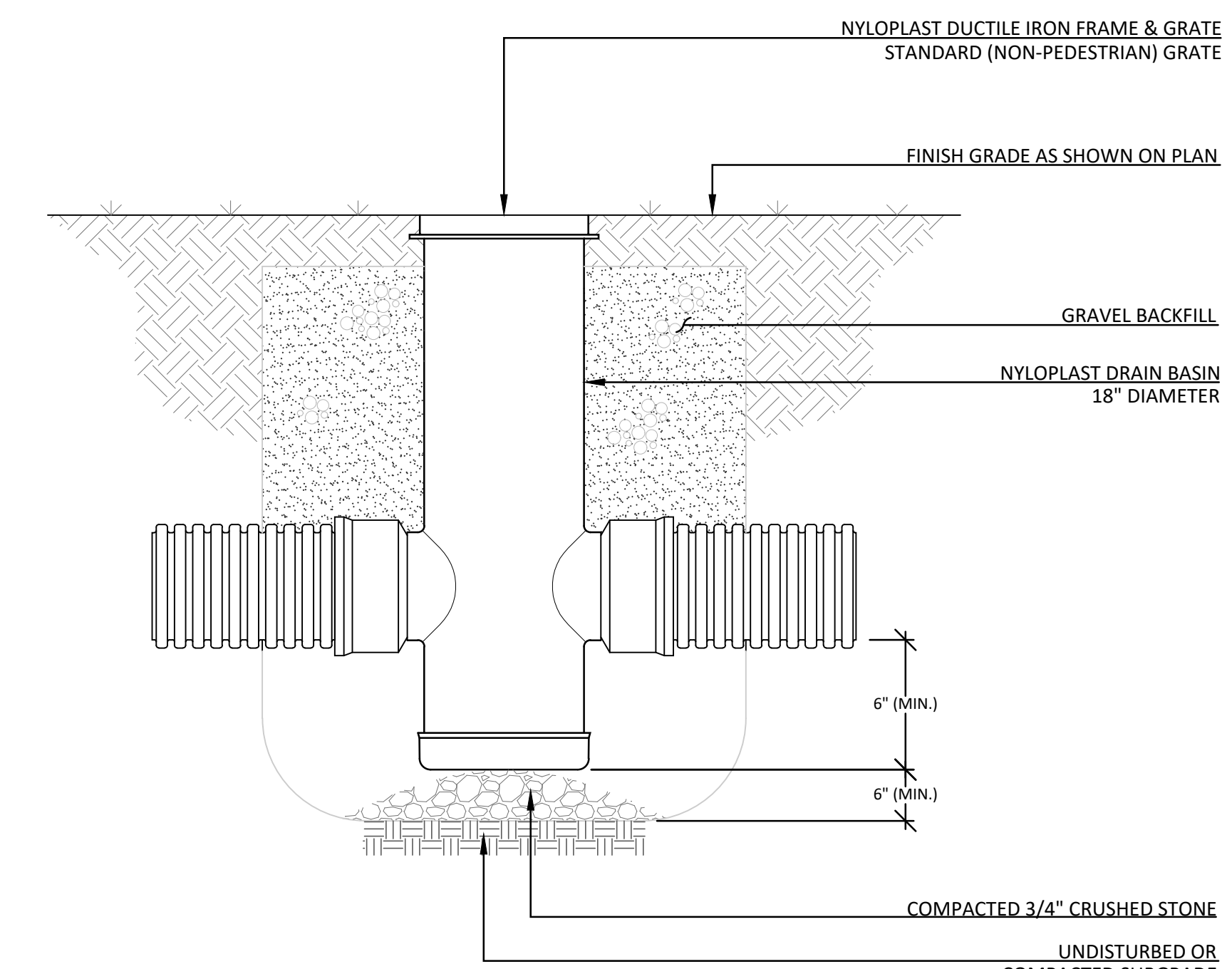
DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILTSACK® CAN BE MADE:  
(1) FROM EITHER OF THE ABOVE FABRICS WITH AN OIL-ABSORBANT PILLOW INSERT, OR  
(2) COMPLETELY FROM AN OIL-ABSORBANT SILTSACK, WITH A WOVEN PILLOW INSERT.

**08 CURB INLET TO SEDIMENT FOREBAY**  
SCALE: NOT TO SCALE



- NOTES:**
- CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI (MIN.).
  - STRUCTURE SHALL BE REINFORCED TO MEET OR EXCEED H20 LOADING.

**09 SANITARY MANHOLE**  
SCALE: NOT TO SCALE

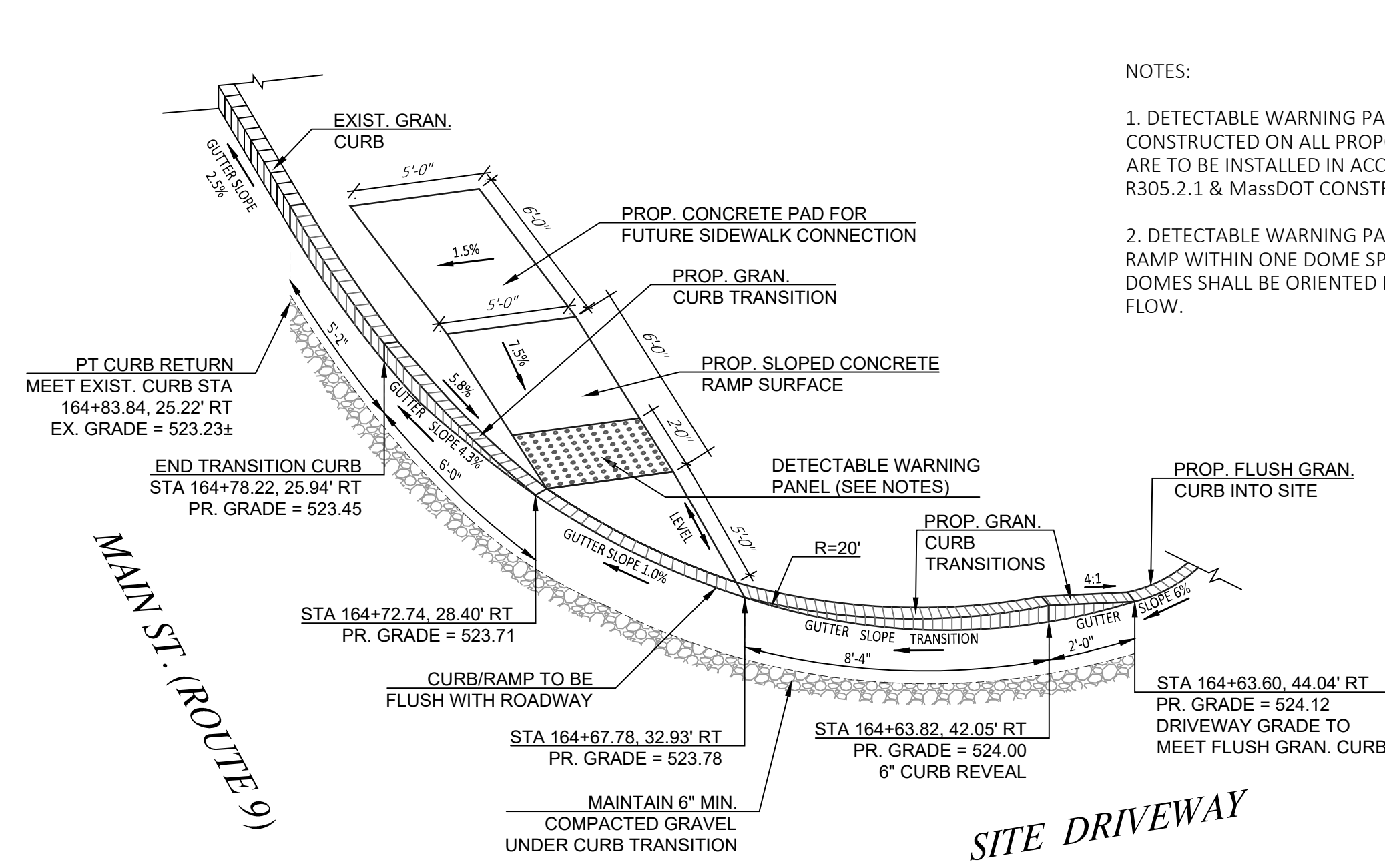


- NOTE:**
- YARD DRAIN DESIGN BASED ON NYLOPLAST YARD DRAIN STRUCTURE. THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE YARD DRAIN FOR REVIEW BY THE ENGINEER. SUBSTITUTE STRUCTURE SHALL MEET OR EXCEED THE QUALITY OF THE SPECIFIED STRUCTURE, IN THE OPINION OF THE ENGINEER.

**10 YARD DRAIN**  
SCALE: NTS

E:\WILLIAMSBURG SAFETY COMPLEX\DESIGN PROCESSING\DRAWINGS\LC-602 SITE DETAILS.DWG PLOT DATE: 12/15/2021

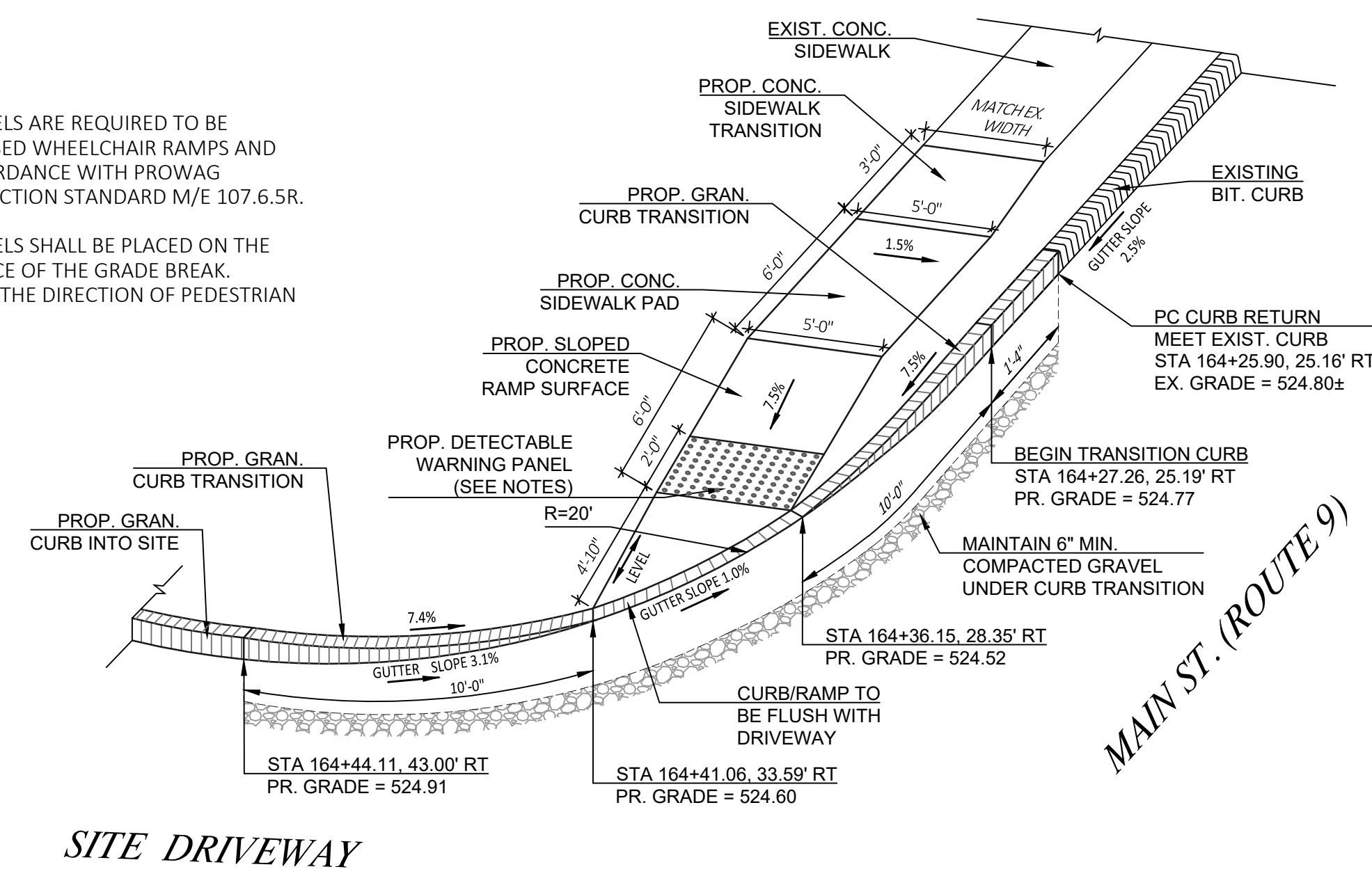




**NOTES:**

1. DETECTABLE WARNING PANELS ARE REQUIRED TO BE CONSTRUCTED ON ALL PROPOSED WHEELCHAIR RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH PROWAG R305.2.1 & MassDOT CONSTRUCTION STANDARD M/E 107.6.5R.
2. DETECTABLE WARNING PANELS SHALL BE PLACED ON THE RAMP WITHIN ONE DOME SPACE OF THE GRADE BREAK. DOMES SHALL BE ORIENTED IN THE DIRECTION OF PEDESTRIAN FLOW.

01 ADA WHEELCHAIR RAMP #2  
SCALE: NOT TO SCALE



02 ADA WHEELCHAIR RAMP #1  
SCALE: NOT TO SCALE

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Williamsburg  
Safety Complex  
16 Main Street  
Williamsburg, MA

PERMIT SET

SITE DETAILS

**Revisions**

December 15, 2021

Date: November 4, 2021 Sheet Number

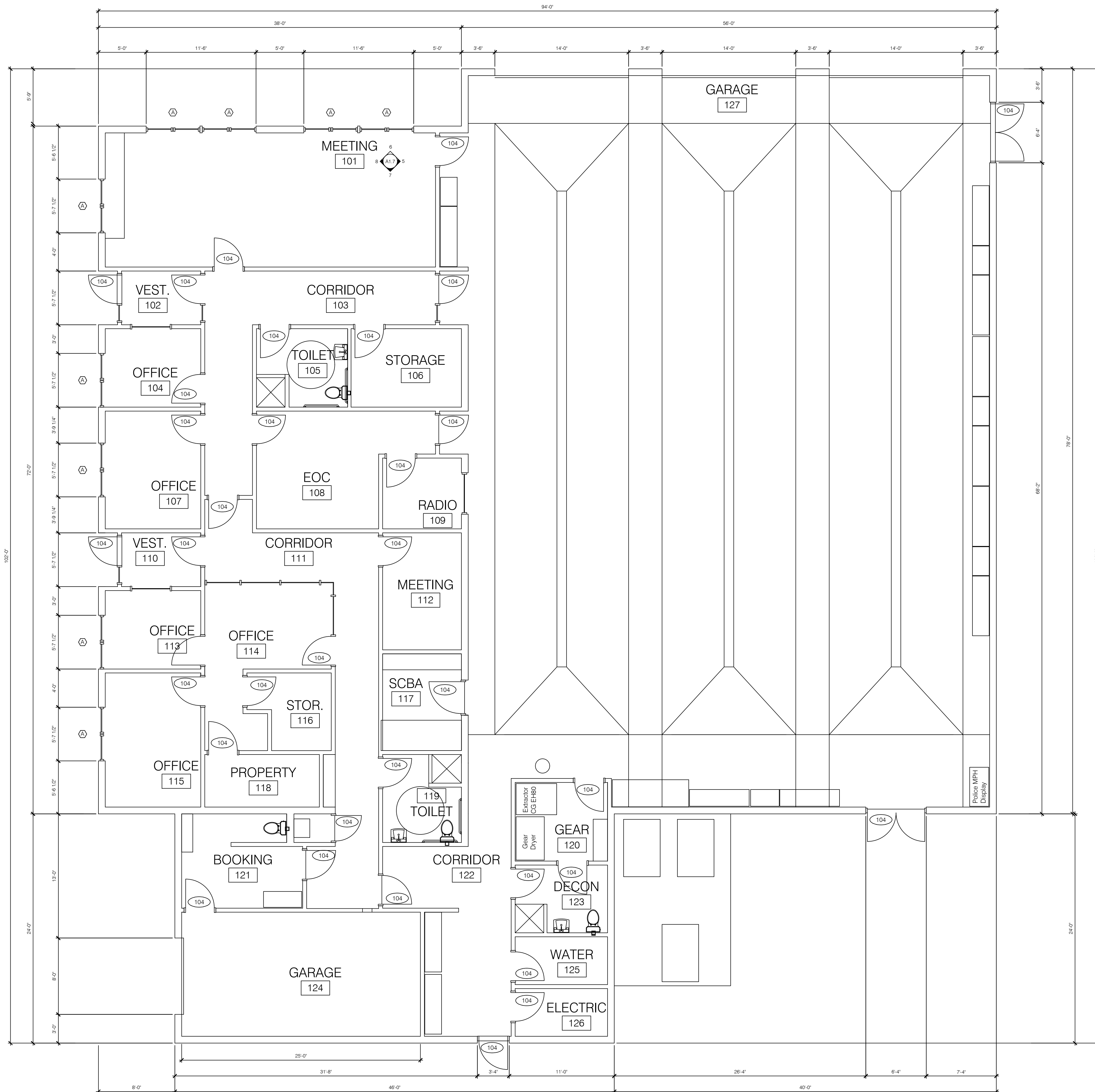
Scale: AS NOTED

Drawn By: CS/DS

Checked By: JS

**LC-603**





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**Williamsburg Public Safety Building**

Main Street  
 Williamsburg, MA

REVISIONS

NO.	DATE	BY	REMARKS

SHEET TITLE

**FIRST FLOOR PLAN**  
**33% CD PHASE**

DATE October 4, 2021

SCALE 3/16" = 1'-0"

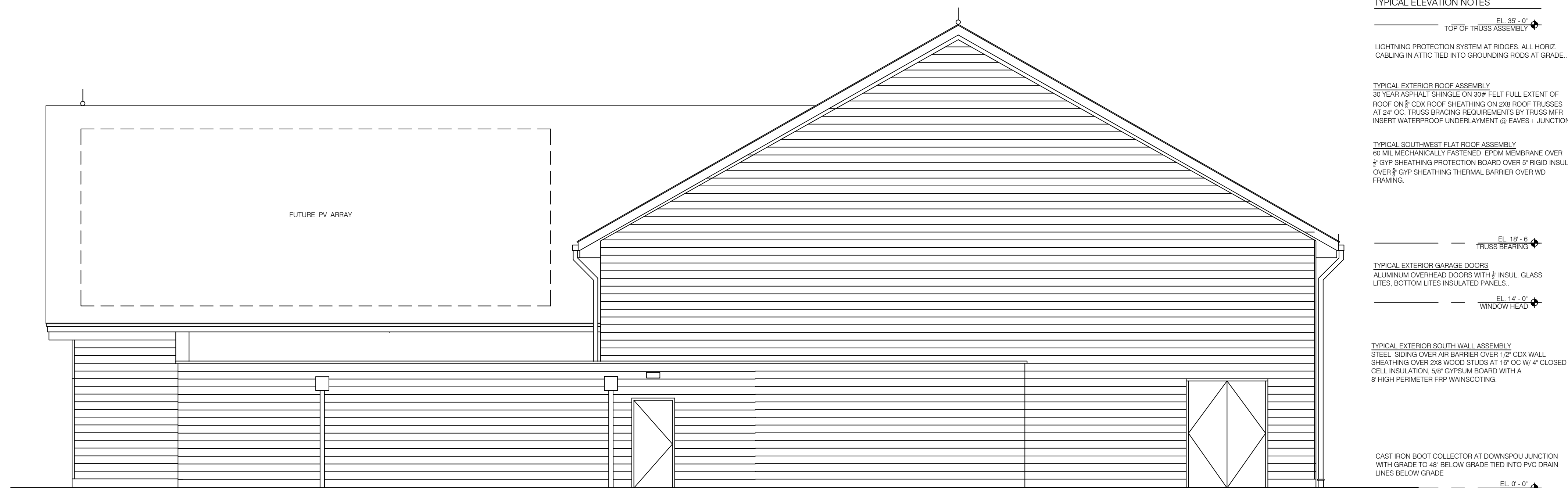
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CHECKED BY KEVIN CHROBAK

SHEET NO.

**A1.1**





**TYPICAL ELEVATION NOTES**

EL. 36'-0" TOP OF TRUSS ASSEMBLY

LIGHTNING PROTECTION SYSTEM AT RIDGES. ALL HORIZ. CABLING IN ATTIC TIED INTO GROUNDING RODS AT GRADE.

**TYPICAL EXTERIOR ROOF ASSEMBLY**  
30 YEAR ASPHALT SHINGLE ON 30# FELT FULL EXTENT OF ROOF ON 1/2" CDX ROOF SHEATHING ON 2X8 ROOF TRUSSES AT 24" OC. TRUSS BRACING REQUIREMENTS BY TRUSS MFR. INSERT WATERPROOF UNDERLAYMENT @ EAVES + JUNCTIONS.

**TYPICAL SOUTHWEST FLAT ROOF ASSEMBLY**  
60 MIL MECHANICALLY FASTENED EPDM MEMBRANE OVER 1/2" GYP SHEATHING PROTECTION BOARD OVER 5" RIGID INSUL OVER 1/2" GYP SHEATHING THERMAL BARRIER OVER WD FRAMING.

EL. 18'-0" TRUSS BEARING

**TYPICAL EXTERIOR GARAGE DOORS**  
ALUMINUM OVERHEAD DOORS WITH 1/2" INSUL. GLASS LITES. BOTTOM LITES INSULATED PANELS.

EL. 14'-0" WINDOW HEAD

**TYPICAL EXTERIOR SOUTH WALL ASSEMBLY**  
STEEL SIDING OVER AIR BARRIER OVER 1/2" CDX WALL SHEATHING OVER 2X8 WOOD STUDS AT 16" OC. W/ 4" CLOSED CELL INSULATION, 5/8" GYPSUM BOARD WITH A 8" HIGH PERIMETER FRP WAHNSCOTING.

CAST IRON BOOT COLLECTOR AT DOWNSPOUT JUNCTION WITH GRADE TO 48" BELOW GRADE TIED INTO PVC DRAIN LINES BELOW GRADE.

EL. 0'-0" TOP OF SLAB

**TYPICAL FOUNDATION WALL ASSEMBLY**  
REINFORCED CONCRETE FOUNDATION WALL TO SPREAD FOOTINGS. RUBBED FINISH AT EXPOSED SURFACES.

**1 PROPOSED SOUTH ELEVATION**

Scale: 3/16" = 1'-0"

**TYPICAL ELEVATION NOTES**

EL. 34'-5" TOP OF TRUSS ASSEMBLY

LIGHTNING PROTECTION SYSTEM AT RIDGES. ALL HORIZ. CABLING IN ATTIC TIED INTO GROUNDING RODS AT GRADE.

**TYPICAL EXTERIOR ROOF ASSEMBLY**  
30 YEAR ASPHALT SHINGLE ON 30# FELT FULL EXTENT OF ROOF ON 1/2" CDX ROOF SHEATHING ON 2X8 ROOF TRUSSES AT 24" OC. TRUSS BRACING REQUIREMENTS BY TRUSS MFR. WATERPROOF UNDERLAYMENT @ EAVES + RAKES. 30' W.

EL. 17'-2" TRUSS BEARING

ALUMINUM GUTTERS + DOWNSPOUTS. TYPICAL.

EL. 14'-0" TOP OF DOOR HEAD

**TYPICAL EXTERIOR GARAGE DOORS**  
ALUMINUM OVERHEAD DOORS WITH 1/2" INSUL. GLASS LITES. BOTTOM LITES INSULATED PANELS.

**TYPICAL EXTERIOR WALL ASSEMBLY**  
7" TO WEATHER. SMOOTH, BURNED, FACTORY PTD CONCRETE FIBER SIDING OVER AIR BARRIER OVER 1 1/2" INSULATED WALL SHEATHING OVER 2X8 WOOD STUDS AT 16" W/ 3" CLOSED CELL INSULATION, 5/8" GYPSUM BOARD, 8" H CONTINUOUS FRP AT WALLS.

6" DIA. GALV STEEL BOLLARDS WITH CAP. FILL WITH CONCRETE. SET IN 12" DIA. 48" REIN. CONC SONOTUBE.

CAST IRON BOOT COLLECTOR AT DOWNSPOUT JUNCTION WITH GRADE TO 48" BELOW GRADE TIED INTO PVC DRAIN LINES BELOW GRADE.

EL. 0'-0" TOP OF SLAB

**TYPICAL FOUNDATION WALL ASSEMBLY**  
REINFORCED CONCRETE FOUNDATION WALL TO SPREAD FOOTINGS. RUBBED FINISH AT EXPOSED SURFACES.

EL. -4'-0" BOT. OF FDN.



EL. 28'-6" RIDGE LINE

EL. 11'-2" TRUSS BEARING

EL. 8'-2" O.H. DOOR HEAD

EL. 0'-8" TOP OF FDN

EL. 0'-0" TOP OF SLAB

EL. -4'-0" BOT. OF FDN.

**2 PROPOSED NORTH ELEVATION**

Scale: 3/16" = 1'-0"

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**Williamsburg Public Safety Building**

Main Street  
Williamsburg, MA

**REVISIONS**

NO.	DATE	BY	REMARKS

**SHEET TITLE**

**BUILDING ELEVATIONS  
SOUTH + NORTH  
33% CD PHASE**

DATE November 3, 2021

SCALE 3/16" = 1'-0"

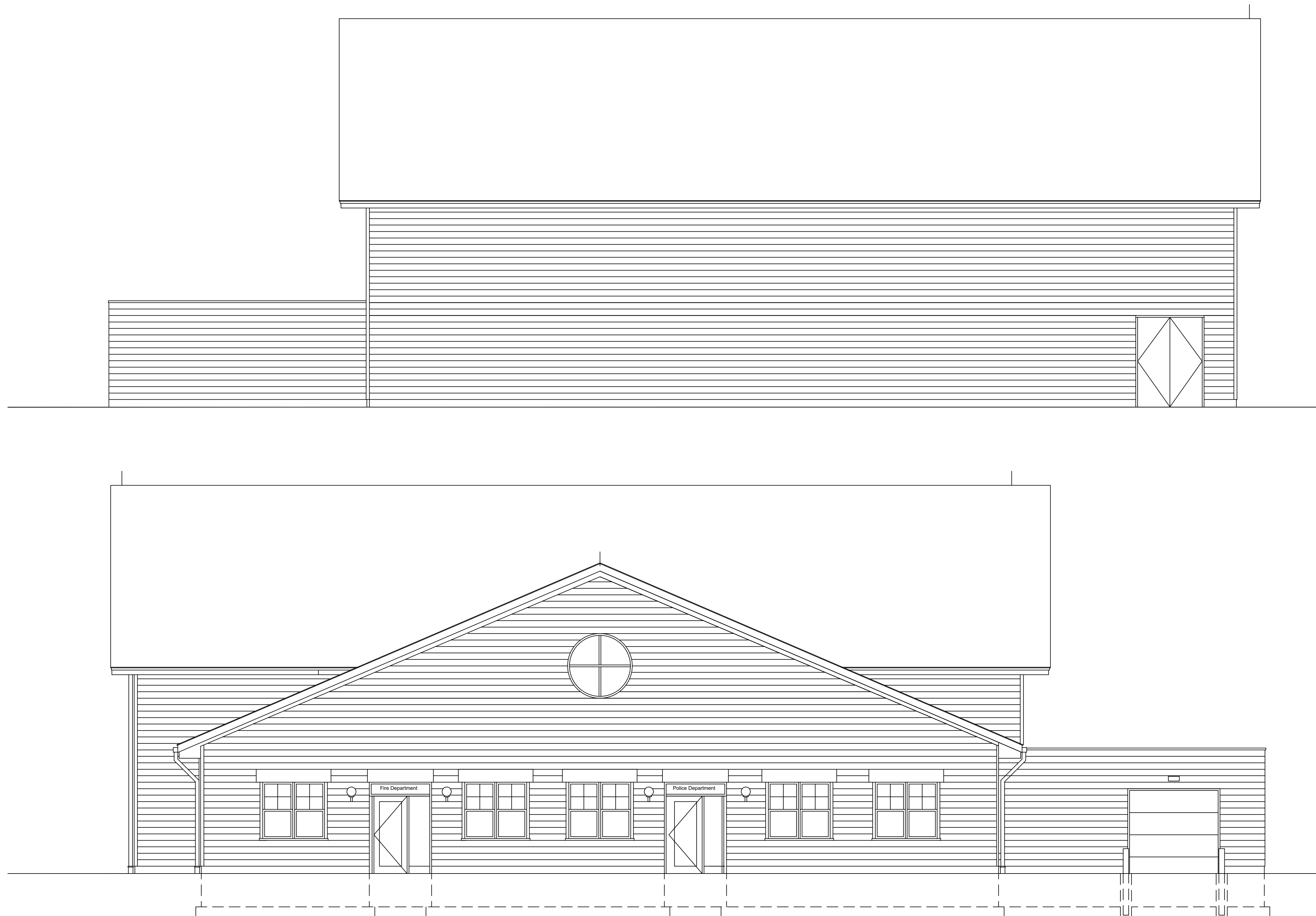
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SHEET NO.

**A3.0**





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**Williamsburg Public Safety Building**

Main Street  
 Williamsburg, MA

REVISIONS

NO.	DATE	BY	REMARKS

SHEET TITLE

**BUILDING ELEVATIONS  
 EAST + WEST**

DATE September 22, 2021

SCALE 3/16" = 1'-0"

DRAWN BY KEVIN CHROBAK

CHECKED BY KEVIN CHROBAK

SHEET NO.

**A3.1**