



ENGINEER
DEPARTMENT OF
ENVIRONMENTAL SERVICES

Facilities & Engineering Division
Engineering Bureau
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OWNER
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ENVIRONMENTAL SERVICES

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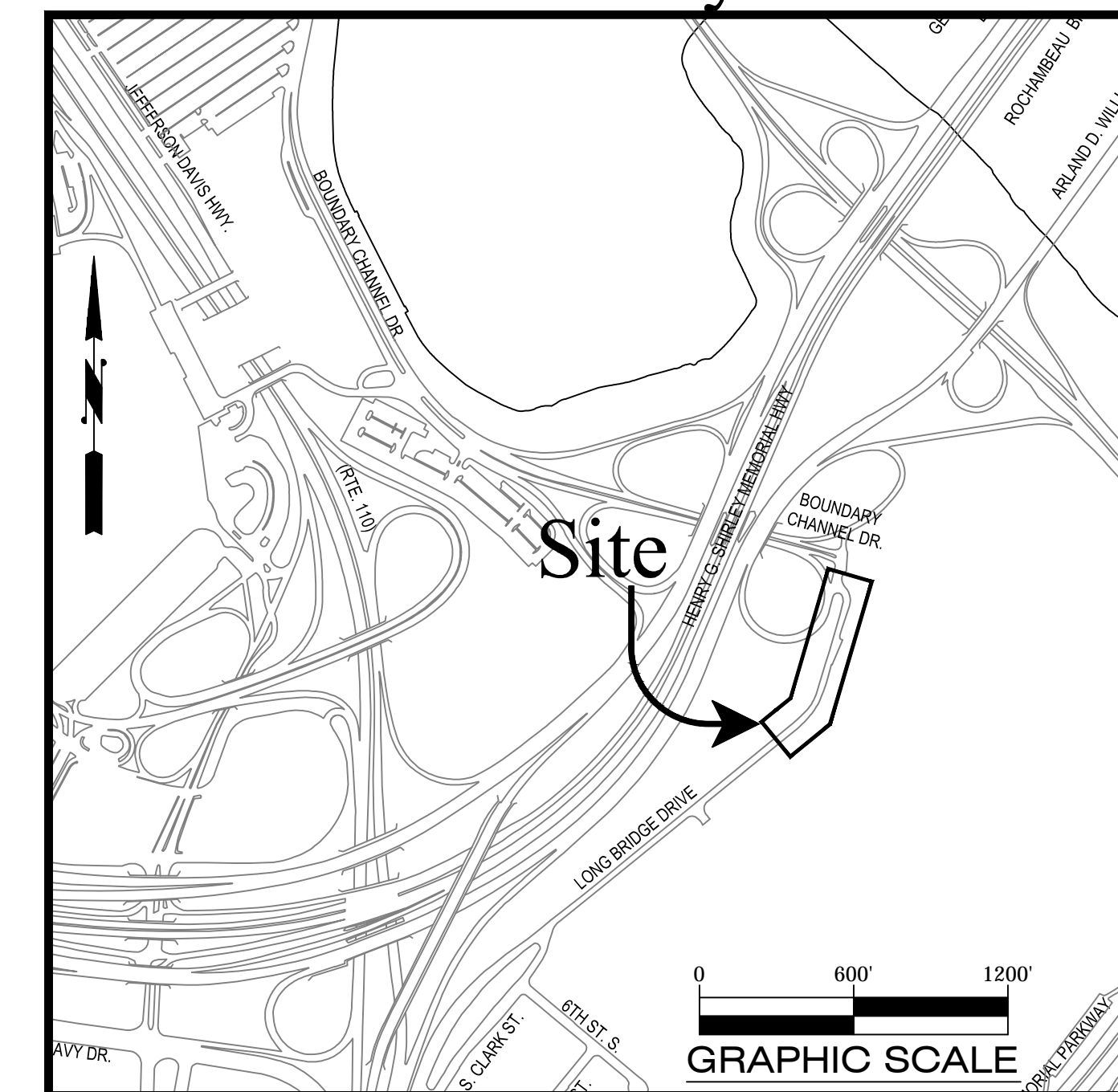
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CONTRACTOR
TO BE DETERMINED

Location Map

Scale: 1"=600'

Vicinity

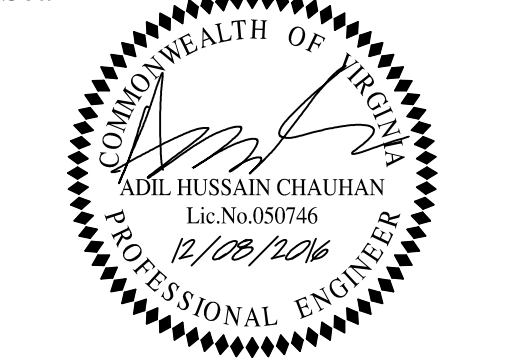


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Seal



Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

Construction Drawings For:

LONG BRIDGE DRIVE

BOUNDARY CHANNEL DRIVE/I-395 INTERCHANGE

ROAD RE-ALIGNMENT

Project Number: D46S

General Notes:

GENERAL CONSTRUCTION NOTES

- ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- HORIZONTAL DATA ARE BASED ON THE VIRGINIA COORDINATE SYSTEM OF 1983 (VCS 83).
- ALL CONSTRUCTION WORK FOR THIS PROJECT SHALL CONFORM TO THE LATEST ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES, CONSTRUCTION STANDARDS AND SPECIFICATIONS, AND WHERE APPLICABLE 2008 VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD AND BRIDGE SPECIFICATIONS, AND ROAD AND BRIDGE STANDARDS.
- ALL CONSTRUCTION AND WORK ACTIVITIES SHALL COMPLY WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND ALL OTHER RELEVANT WORK SAFETY REQUIREMENTS, LATEST EDITIONS.
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 811 FOR MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES (i.e. WATER, SEWER, GAS, TELEPHONE, ELECTRIC, AND CABLE TV) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO IDENTIFY AND PROTECT ALL OTHER UTILITY LINES FOUND IN THE WORK SITE AREA BELONGING TO OTHER OWNERS THAT ARE NOT MEMBERS OF "MISS UTILITY". PRIVATE WATER AND/OR SEWER LATERALS WILL NOT BE MARKED BY MISS UTILITY OR THE COUNTY. THE CONTRACTOR WILL BE EXPECTED TO LOCATE AND PROTECT THESE SERVICES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND SHALL RETAIN A PROFESSIONAL LAND SURVEYOR LICENSED IN THE COMMONWEALTH OF VIRGINIA TO PROVIDE ALL NECESSARY CONSTRUCTION LAYOUTS AND ESTABLISH ALL CONTROL LINES, GRADES, AND ELEVATION DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A COPY OF ALL CUT SHEETS FOR REVIEW, PER THE SPECIFICATIONS. THE COST OF ALL NECESSARY SURVEYING SERVICES SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND, UNLESS OTHERWISE SPECIFIED, THE COST SHALL BE INCORPORATED INTO THE COSTS FOR RELEVANT ITEMS.
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM BEST AVAILABLE RECORDS AND SHALL BE CONSIDERED TO BE APPROXIMATE. WHEN CONSTRUCTION ACTIVITY REACHES IN PROXIMITY TO EXISTING UTILITIES, THE TRENCHES SHALL BE OPENED A SUFFICIENT DISTANCE AHEAD OF THE WORK OR TEST PITS SHALL BE MADE TO VERIFY THE EXACT LOCATION AND INVERTS OF THE UTILITY TO ALLOW FOR POSSIBLE CHANGES IN THE LINE OR GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES AND THE RELATED STRUCTURES. ALL EXISTING UTILITY SYSTEMS SHALL BE PROTECTED TO PREVENT DAMAGE DURING THE CONTRACTOR'S OPERATIONS. ANY SYSTEM DAMAGED SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.

THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE APPROVED PLANS.
- EXISTING MANHOLE FRAMES, COVERS, VALVE BOXES, AND OTHER APPURTENANCES SHALL BE ADJUSTED TO THE FINAL GRADE OR REPLACED, AS NECESSARY. UNLESS OTHERWISE SPECIFIED, THE COST FOR THIS SHALL BE CONSIDERED INCIDENTAL TO THE WORK, AND SHALL BE INCORPORATED INTO THE COSTS FOR RELEVANT ITEMS.
- THE CONTRACTOR SHALL PROVIDE ADA COMPLIANT ACCESS THROUGH OR AROUND THE SITE AT ALL TIMES AND SHALL ENSURE THE SAFETY OF ALL THOSE PASSING THROUGH OR ADJACENT TO THE SITE.
- STORMWATER AND ENVIRONMENTAL PROTECTION**
 - THE CONTRACTOR SHALL PROTECT EXISTING DRAINAGE FACILITIES (TO INCLUDE CURB AND GUTTER) AND WATERWAYS FROM ADVERSE IMPACTS PER SECTION 01500 OF THE ARLINGTON COUNTY STANDARDS & SPECIFICATIONS.
 - ANY WORK WITHIN A RESOURCE PROTECTION AREA (RPA) SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 61 OF THE COUNTY CODE (THE CHESAPEAKE BAY PRESERVATION ORDINANCE).
- TREE PROTECTION**
 - THE CONTRACTOR SHALL CONFINE ALL ACTIVITIES AT THE SITE ASSOCIATED WITH CONSTRUCTION ACTIVITIES, TO INCLUDE STORAGE OF EQUIPMENT AND OR MATERIALS, ACCESS TO THE WORK, FORMWORK, ETC. TO WITHIN THE DESIGNATED LIMITS OF DISTURBANCE (LOD).
 - NO TREES SHALL BE REMOVED OR OTHERWISE AFFECTED UNLESS CLEARLY MARKED ON THE APPROVED PLAN.

Revised: 01/20/2016

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SWM 15-2041

LDA15173

ADT:

2,900 - LONG BRIDGE DRIVE (FROM 14TH RD S TO DEAD END)

Street Classification:

MINOR ARTERIAL - LONG BRIDGE DRIVE

Project Name and Location

LONG BRIDGE DRIVE
COVER SHEET
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314.453.151.D46S.S12.0000

Designed: A.K.
Drawn: A.K.
Checked: A.C.
Miss Utility Transmittal #: N/A

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Plotted by: January 06, 2017
Plotted by: Akafle

Scale: AS NOTED

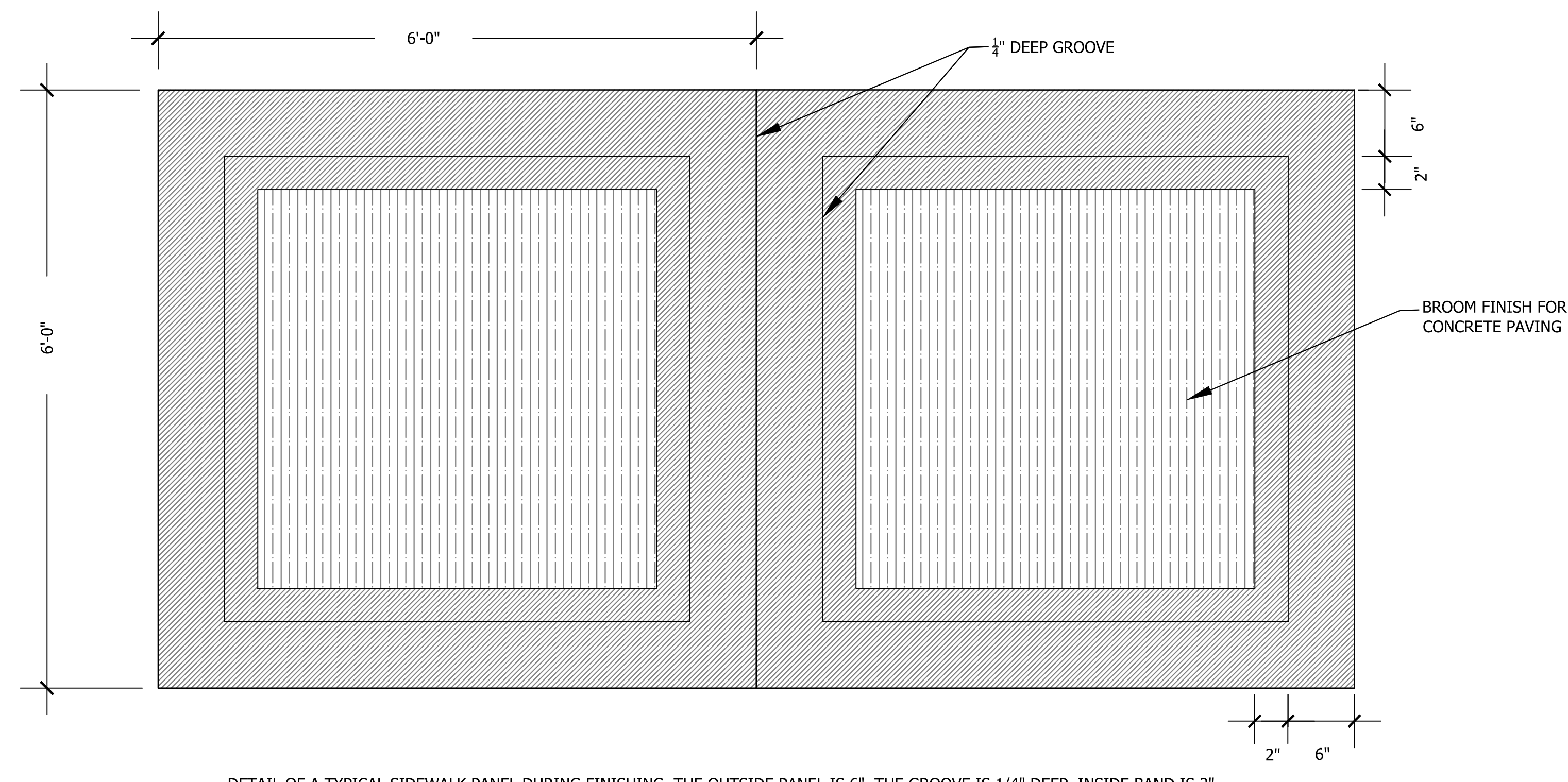
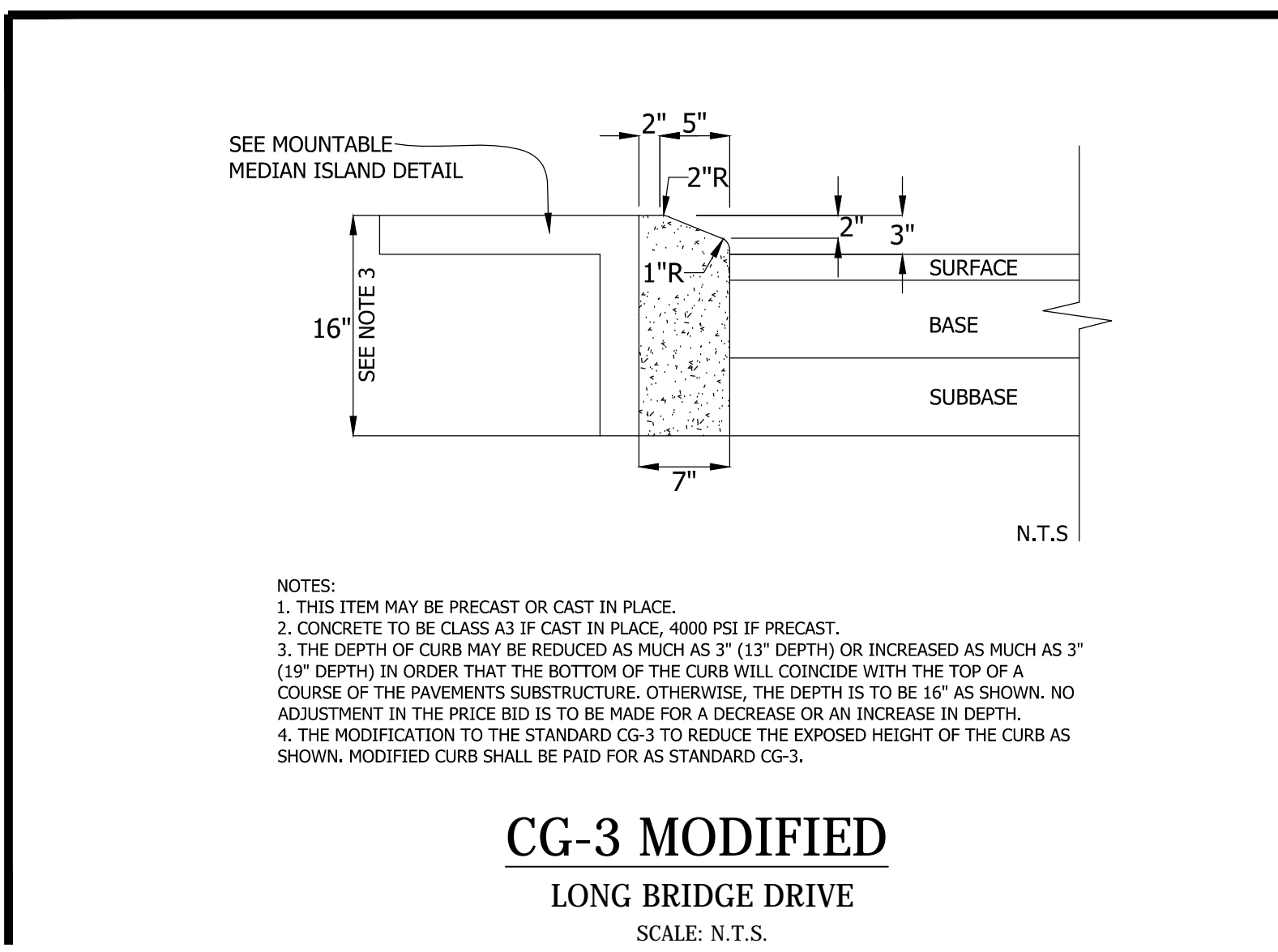
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LONG BRIDGE DRIVE

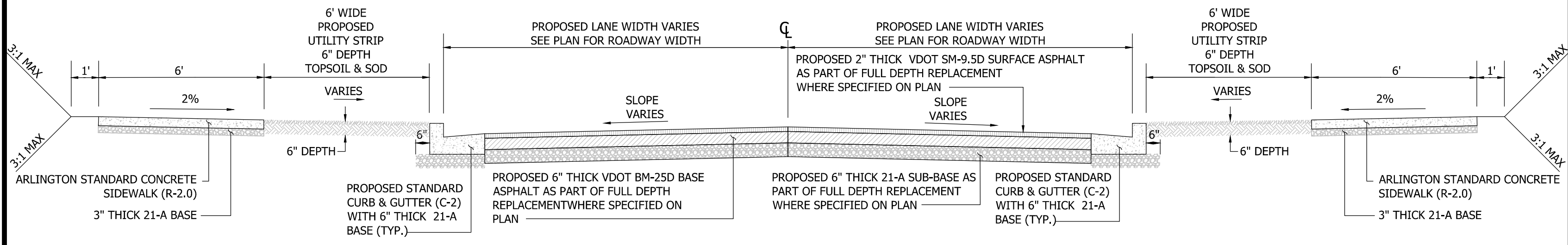
Existing	Proposed	Symbol
1001	ST1	Storm Str. #
○	○	Catch Basin
⊙	⊙	Sanitary Manhole
2001	SA1	Sanitary Str. #
◆	◆	Fire Hydrant
△	△	Watermain Reducer
⊙	⊙	Water - Valve
○	○	Blowoff Valve
○	○	Water - Cross
○	○	Water - Tee
○	○	Water - Typical Bend
○	○	Water Meter
○	○	Water Cap
⊙	⊙	Water - Manhole Cover
⊙	⊙	Siamese Connection
□	□	CableTV Pedestal
□	□	Electrical Box
□	□	Telephone Pedestal
○	○	Cobrahead Light
+	+	Carlyle Light
△	△	Ground Light
☆	☆	Light Pole
□	□	Utility Pole
Y	Y	Guy Wire
⊙	⊙	Utility Cover
⊙	⊙	Gas Valve
□	□	Gas Line Marker
⊕	⊕	Test Hole
○	○	Bollard
⊙	⊙	Mailbox
⊙	⊙	Parking Meter
▽	▽	Sign
⊕	⊕	Traffic Mast Arm Pole
⊕	⊕	Traffic Pedestrian Pole
⊕	⊕	Traffic Control Box
⊕	⊕	Traffic Electrical Box
⊕	⊕	Traffic Junction Box
⊕	⊕	Traffic Service Meter
⊕	⊕	Coniferous Tree
⊕	⊕	Deciduous Tree
⊕	⊕	Bush/Hedge/Shrub
1	1	Construction Notes
⊕	⊕	Benchmark
⊕	⊕	Monument (GPS)
⊕	⊕	Monument
⊕	⊕	Iron Rod Found
⊕	⊕	Iron Pipe Found
⊕	⊕	Rebar Rod Found
⊕	⊕	P.K. Nail Found
⊕	⊕	Traverse
⊕	⊕	North Arrow
⊕	⊕	Curb Transition

Existing	Proposed	Symbol
---	---	Easement
---	---	Asphalt
---	---	Building
---	---	Cable TV
---	---	Center Line
---	---	Concrete
---	---	Contours
---	---	Curb
---	---	Electric (Underground)
---	---	Fence
---	---	Fiber Optic
---	---	Guardrail
---	---	2" Gas
---	---	3" Gas
---	---	6" Gas
---	---	8" Gas
---	---	Gas
---	---	Limits Of Disturbance
---	---	Overhead Wires
---	---	Property Line
---	---	8" Sanitary
---	---	12" Sanitary
---	---	Sanitary Sewer
---	---	Sanitary House Con.
---	---	Sidewalk
---	---	Storm (size noted)
---	---	Telephone (Underground)
---	---	Wall
---	---	6" Water
---	---	8" Water
---	---	12" Water
---	---	Water
---	---	Water House Con.
---	---	Lane Marking
---	---	Tree Line
---	---	PVC (Street Lights)

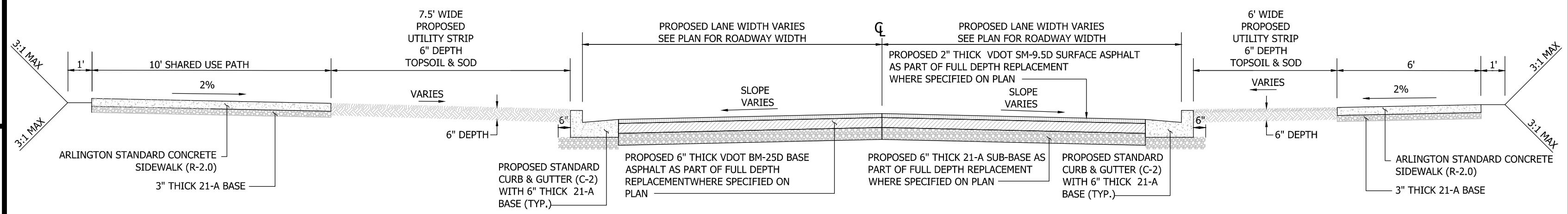
▨	Asphalt - Mill & Overlay
▨	Asphalt - Overlay
▨	Concrete
▨	Water Main (Shown on Profile Only)



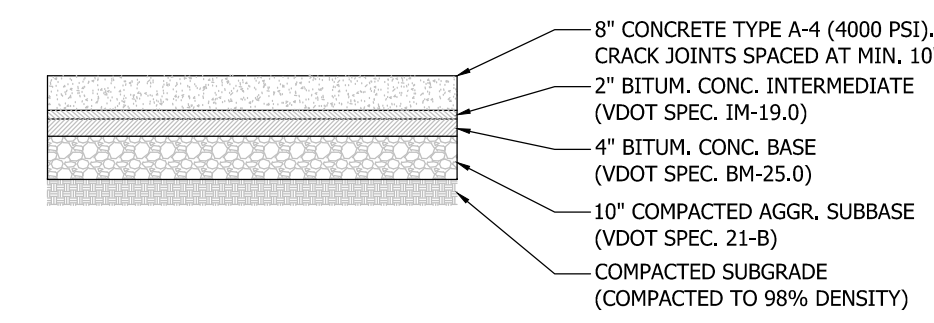
NEW 4" THICK, 6' x 6' CONCRETE PANEL SIDEWALK (TYP.)
 LONG BRIDGE DRIVE
 SCALE: N.T.S.



TYPICAL ROADWAY SECTION WITH SIDEWALK
 LONG BRIDGE DRIVE
 SCALE: N.T.S.



TYPICAL ROADWAY SECTION WITH SHARED USED PATH
 LONG BRIDGE DRIVE
 SCALE: N.T.S.



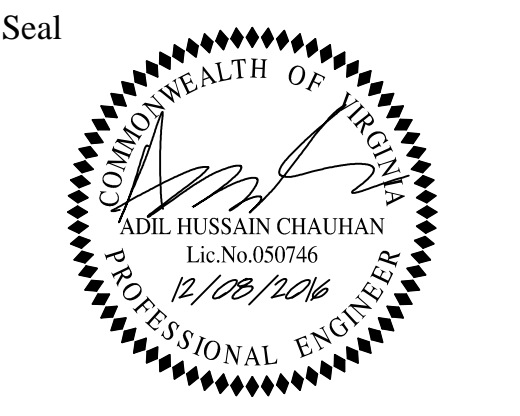
MOUNTABLE MEDIAN ISLAND DETAIL
 LONG BRIDGE DRIVE
 SCALE: N.T.S.



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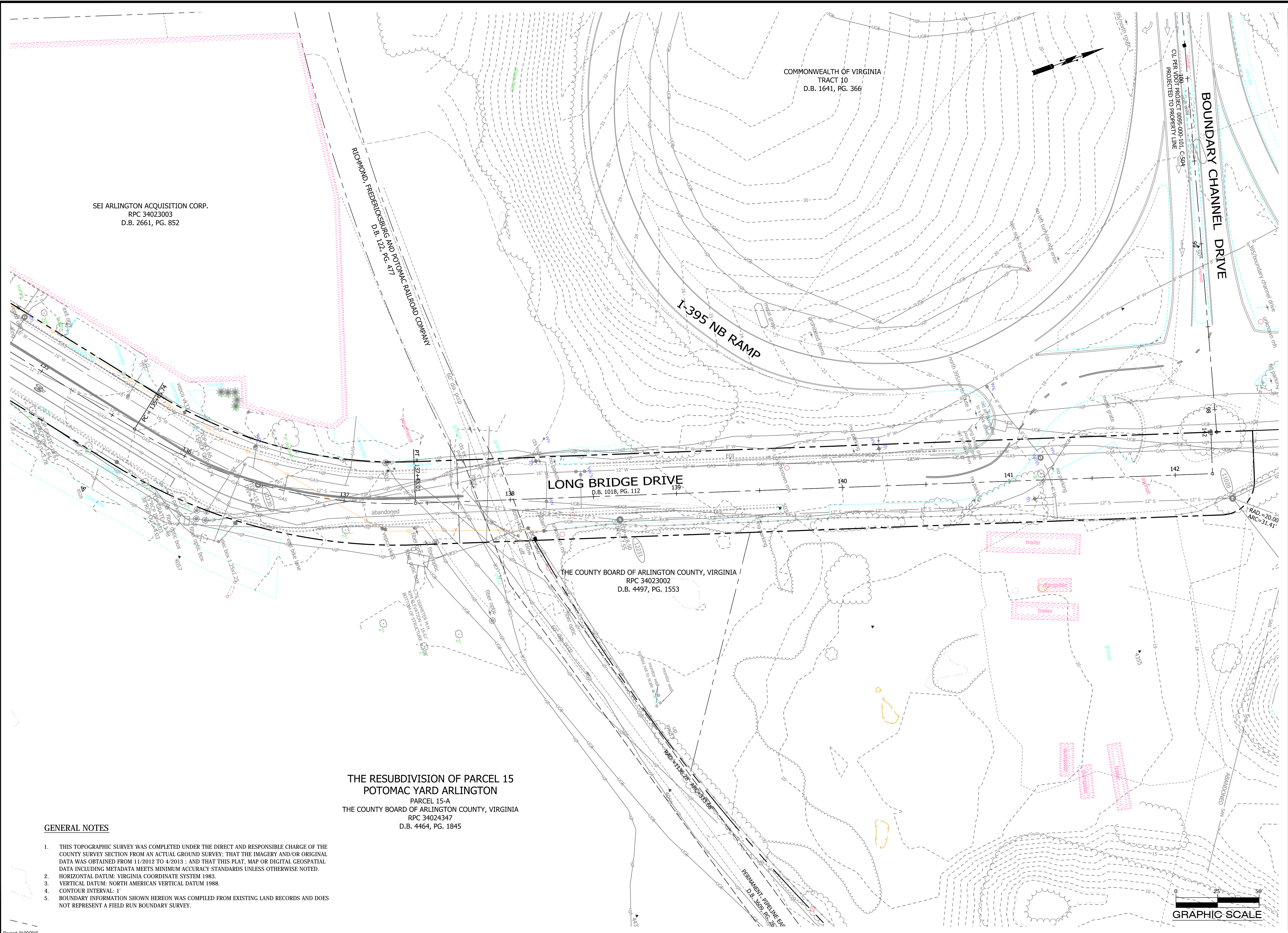
Approvals	Date
<i>[Signature]</i>	12/13/16
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

Revisions	Date

Project Name and Location
LONG BRIDGE DRIVE
 LEGEND & TYPICAL SECTIONS
 LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
 314.453131.DWG(S) 12.0000

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 Drawn: A.K.
 Checked: A.C.
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 Plotted: February 06, 2017
 Plotted by: Akafle

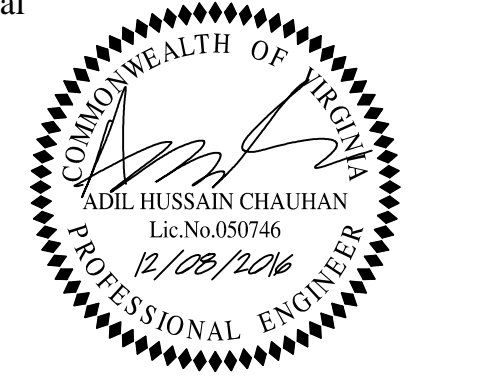
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 Sheet
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Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/13/16
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

LONG BRIDGE DRIVE
 EXISTING CONDITIONS
 LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
 314.43513.DWG.S12.0000

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 Drawn: A.K.
 Checked: A.C.
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 Plotted: January 06, 2017
 Plotted by: Akafle

Scale: H: 1"=25'

Sheet 3 OF 33

SEI ARLINGTON ACQUISITION CORP.
 RPC 34023003
 D.B. 2661, PG. 852

THE RESUBDIVISION OF PARCEL 15
 POTOMAC YARD ARLINGTON
 PARCEL 15-A
 THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA
 RPC 34024347
 D.B. 4464, PG. 1845

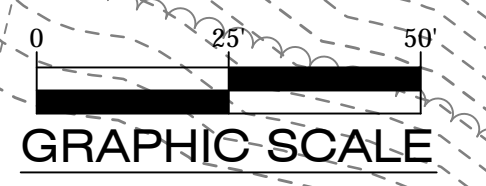
LONG BRIDGE DRIVE
 D.B. 1018, PG. 112

THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA
 RPC 34023002
 D.B. 4497, PG. 1553

COMMONWEALTH OF VIRGINIA
 TRACT 10
 D.B. 1641, PG. 366

GENERAL NOTES

1. THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF THE COUNTY SURVEY SECTION FROM AN ACTUAL GROUND SURVEY; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED FROM 11/2012 TO 4/2013; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
2. HORIZONTAL DATUM: VIRGINIA COORDINATE SYSTEM 1983.
3. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988.
4. CONTOUR INTERVAL: 1'
5. BOUNDARY INFORMATION SHOWN HEREON WAS COMPILED FROM EXISTING LAND RECORDS AND DOES NOT REPRESENT A FIELD RUN BOUNDARY SURVEY.



POLLUTION PREVENTION PLAN NOTES

ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S M54 PERMIT, UNLESS THE STATE WATER CONTROL BOARD, THE VIRGINIA SOIL AND WATER CONSERVATION BOARD (BOARD), OR ARLINGTON COUNTY DETERMINES THE DISCHARGE TO BE A SIGNIFICANT SOURCE OF POLLUTANTS TO SURFACE WATERS:

WATER LINE FLUSHING; LANDSCAPE IRRIGATION; DIVERTED STREAM FLOWS; RISING GROUND WATERS; UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)); UNCONTAMINATED PUMPED GROUND WATER; DISCHARGES FROM POTABLE WATER SOURCES; FOUNDATION DRAINS; AIR CONDITIONING CONDENSATION; IRRIGATION WATER; SPRINGS; WATER FROM CRAWL SPACE PUMPS; FOOTING DRAINS; LAWN WATERING; INDIVIDUAL RESIDENTIAL CAR WASHING; FLOWS FROM RIPARIAN HABITATS AND WETLANDS; DECHLORINATED SWIMMING POOL DISCHARGES; DISCHARGES OR FLOWS FROM FIRE FIGHTING; AND, OTHER ACTIVITIES GENERATING DISCHARGES IDENTIFIED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY AS NOT REQUIRING VPDES AUTHORIZATION.

APPROPRIATE CONTROLS MUST BE IMPLEMENTED TO PREVENT ANY NON-STORMWATER DISCHARGES NOT INCLUDED ON THE ABOVE LIST (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S M54 SYSTEM, WHICH INCLUDES THE CURB AND GUTTER SYSTEM, AS WELL AS CATCH BASINS AND OTHER STORM DRAIN INLETS, OR STREAM NETWORK.

PER CHAPTER 26 OF THE ARLINGTON COUNTY CODE, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DISCHARGE DIRECTLY OR INDIRECTLY INTO THE STORM SEWER SYSTEM OR STATE WATERS, ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STATE WATERS.

GENERAL EROSION & SEDIMENT CONTROL NOTES

- 1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE LATEST EDITIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) AND THE ARLINGTON COUNTY EROSION AND SEDIMENT CONTROL ORDINANCE.
- 2. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-SCONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- 3. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS A FIRST STEP IN CLEARING.
- 4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLANS SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 5. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- 7. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- 8. DURING DENATURING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

GENERAL LAND CONSERVATION NOTES

- 1. NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENUDED FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT.
- 2. ALL E&S CONTROL MEASURES APPROVED WITH HE PHASE I E&S CONTROL PLAN SHALL BE PLACED AS THE FIRST STEP IN GRADING.
- 3. ALL STORM AND SANITARY SEWER LINES NOT IN STREETS SHALL BE SEEDED AND MULCHED WITHIN 5 DAYS AFTER BACKFILL. NO MORE THAN 500' (150M) SHALL BE OPEN AT ANY TIME.
- 4. ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES SHALL BE COMPACTED, SEEDED AND MULCHED WITHIN 5 DAYS AFTER BACKFILL.
- 5. ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS SHALL BE SEEDED AND MULCHED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY AFTER. STRAW OR HAY MULCH IS REQUIRED. ALL SOIL STOCKPILES SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER GRADING.
- 6. DURING CONSTRUCTION, ALL STORM SEWER INLETS SHALL BE PROTECTED BY SEDIMENT TRAPS, MAINTAINED AND MODIFIED DURING CONSTRUCTION PROGRESS AS REQUIRED.
- 7. ANY DISTURBED AREA NOT COVERED BY NOTE 1 ABOVE AND NOT PAVED, SODDED OR BUILT UPON BY NOV. 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE AND OVER-SEEDED BY APRIL 15.
- 8. AT THE COMPLETION OF ANY PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED.

UTILITY INSTALLATION

UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

- 1. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
- 2. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- 3. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
- 4. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
- 5. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
- 6. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION

LONG BRIDGE DIVE ROADWAY REALIGNMENT PROJECT CONSISTS OF REMOVING, REPLACING AND/OR INSTALLING C&G, WATER MAIN, STORM & SANITARY SEWER PIPES & STRUCTURES, CONCRETE SIDEWALKS, MEDIANS, DRIVEWAY APRONS, ADA COMPLIANT HANDICAP RAMPS AND NEW STREET LIGHTS. THE LIMIT OF CONSTRUCTION IS WITHIN THE EXISTING ARLINGTON COUNTY'S ROW. A TOTAL OF 59,030 SQUARE FEET (1.35 ACRES) AREA WILL BE DISTURBED DURING CONSTRUCTION.

EXISTING SITE CONDITIONS

THE HIGHEST POINT OF THE PROJECT AREA IS ON THE EAST SIDE OF LONG BRIDGE DRIVE. THE TOPOGRAPHY OF THE PROJECT IS MODERATELY STEEP AND DRAINS TOWARDS LONG BRIDGE DRIVE. MOST OF THE RUNOFFS ARE INTERCEPTED BY STORM SEWER STRUCTURES ALONG NORTH AND SOUTH END OF LONG BRIDGE DRIVE.

ADJACENT PROPERTIES

EAST - THE AREA TO THE EAST OF THE PROJECT CONSISTS OF EXISTING PARKING LOT & FUTURE AQUATIC CENTER'S LOT.

WEST - THE AREA TO THE WEST OF THE PROJECT CONSISTS OF COMMERCIAL BUILDING.

NORTH - BOUNDARY CHANNEL DRIVE IS LOCATED TOWARDS THE NORTH OF THE PROJECT.

SOUTH - LONG BRIDGE PARK IS LOCATED TOWARDS THE SOUTH OF THE PROJECT.

OFF-SITE AREAS:

THE EXTENT OF OFFSITE CONSTRUCTION IS LIMITED TO CONNECTING TO EXISTING STREETS ADJACENT TO THIS PARCEL, AND CONNECTING PROPOSED UTILITIES TO EXISTING UTILITIES.

CRITICAL AREAS

THERE ARE NO STEEP SLOPES OR CRITICAL AREAS LOCATED IN THE AREAS TO BE DISTURBED.

EROSION AND SEDIMENT CONTROL MEASURES

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE ARLINGTON COUNTY EROSION AND SEDIMENT CONTROL ORDINANCE. THE MINIMUM STANDARDS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

STRUCTURAL PRACTICES

- 1. TEMPORARY CONSTRUCTION ENTRANCE - 3.02
A TEMPORARY CONSTRUCTION ENTRANCE WITH A WASH RACK SHALL BE INSTALLED AT THE EXISTING ACCESS POINT TO THE SITE. DURING MUDDY CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE RE-ENTRING THE LOCAL ROADWAYS.
- 2. SILT FENCE - 3.05
SILT FENCE WILL BE INSTALLED IN PHASE I & II OF E&S PLAN TO FILTER RUNOFF FROM DISTURBED AREAS. RUNOFF SHALL NOT BE DIRECTED PARALLEL TO THE INSTALLATION OF SILT FENCE.
- 3. TEMPORARY DIVERSION DIKE - 3.09
A SYSTEM OF TEMPORARY DIKES, TO DIRECT FLOW INTO PROPOSED & EXISTING STORM SEWER STRUCTURES WILL BE INSTALLED AS INDICATED IN EROSION & SEDIMENT CONTROL PLAN.
- 4. STORM DRAIN INLET PROTECTION - 3.07
ALL EXISTING & PROPOSED STORM SEWER INLETS IN AND AROUND THE PROJECT LIMITS SHALL BE PROTECTED DURING CONSTRUCTION, SEDIMENT-LADEN WATER SHALL BE FILTERED BEFORE ENTERING THE STORM SEWER INLETS.
- 5. DEWATERING STRUCTURE - 3.26
SEDIMENT LADEN OR TURBID WATER SHALL BE FILTERED, SETTLED OR SIMILARLY TREATED PRIOR TO DISCHARGE.

VEGETATIVE PRACTICES

- 1. TOPSOILING (STOCKPILE) - 3.30
TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATIONS MAY HAVE TO BE LOCATED OFF-SITE AND ARE TO BE STABILIZED WITH TEMPORARY VEGETATION. PRIOR TO LAND-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY E&S PLAN, IF THE STOCKPILE IS LOCATED OFF-SITE, TO THE OWNER COVERING THE OFF-SITE STOCKPILE AREA. THIS SUPPLEMENTAL PLANS WOULD HAVE TO THE APPROVED BY THE PLAN APPROVING AUTHORITY BEFORE ANY OFF-SITE ACTIVITY COMMENCES.
- 2. TEMPORARY SEEDING - 3.31:
ALL DENUDED AREAS, WHICH WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.
- 3. EROSION CONTROL BLANKET - 3.36 OR MULCH - 3.35
EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT THE SLOPES FORM RILL AND GULLY EROSION AND TO ALLOW SEED TO GERMINATE PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS AND WILL BE APPLIED AS A SECOND STEP IN SEEDING OPERATION.
- 4. DUST CONTROL - 3.39
DUST SHALL BE CONTROLLED USING A VARIETY OF METHODS SUCH AS VEGETATIVE COVER, MULCH, TILLAGE, IRRIGATION, SPRAY-ON ADHESIVES, STONE BARRIERS, AND CALCIUM CHLORIDE.

THE EROSION AND SEDIMENT CONTROL INSPECTOR SHALL HAVE THE AUTHORITY TO ADD OR DELETE EROSION AND SEDIMENT CONTROLS AS NEEDED IN THE FIELD, AS SITE CONDITIONS WARRANT, IN ADDITION NO SEDIMENT TRAPS OR BASINS MAY BE REMOVED WITHOUT PRIOR APPROVAL OF THE INSPECTOR.

PERMANENT STABILIZATION

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH GRASS, MULCH OR SOD.

STORMWATER RUNOFF CONSIDERATIONS

RUNOFF SHALL BE TREATED WITH SILT FENCE AND INLET PROTECTION PRIOR TO ENTERING MAJOR STORM SEWER SYSTEMS. PROPOSED STORM SEWER NETWORK HAVE BEEN DESIGNED TO ADEQUATELY CONVEY STORM WATER. SEE SHEET 9 FOR ADEQUATE OUTFALL NARRATIVE.

LANDSCAPE / TREE PRESERVATION NOTES

PRIOR TO ANY LAND DISTURBING ACTIVITY THE CONTRACTOR SHALL CONTACT THE ARLINGTON COUNTY ARBORIST TO SCHEDULE AN INSPECTION.

EROSION AND SEDIMENTATION CONTROL LEGEND

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	
3.05	SILT FENCE	SF	
3.07	STORM DRAIN INLET PROTECTION	IP	
3.09	TEMPORARY DIVERSION DIKE	DD	
3.38	TREE PROTECTION FENCE	TP	
	LIMITS OF DISTURBANCE	LOD	

EROSION & SEDIMENT CONTROL PROJECT PHASING

A. PHASE I:

- 1. PRE-CONSTRUCTION MEETING WITH THE PROJECT OFFICER, CONTRACTOR, AND COUNTY INSPECTOR.
- 2. INSTALL THE TEMPORARY CONSTRUCTION ENTRANCE IN THE LOCATION SHOWN ON THE E&S PHASE I PLAN. MUD AND DEBRIS SHALL BE WASHED FROM ALL TRUCKS EXISTING THE SITE.
- 3. INSTALL PERIMETER TREE DEMARCATON FENCING IN THE FORM OF TREE PROTECTION FENCE (TP) AS SHOWN ON E&S PHASE I PLAN.
- 4. PERFORM INITIAL PERIMETER CLEARING TO INSTALL REMAINDER OF PERIMETER CONTROLS SUCH AS DIVERSION DIKE (DD) & SILT FENCE (SF) AS PER THE PHASE I PLAN.
- 5. SEED AND MULCH ALL EARTHEN CONTROLS.
- 6. BEGIN UTILITY CONSTRUCTION. INSTALL STORM DRAINAGE SYSTEM AS SHOWN IN PHASE I TO DIRECT CLEAN WATER TO EXISTING STORM STRUCTURE (EX-9) & PROPOSED STORM STRUCTURE (I2).
- 7. CONTACT ARLINGTON COUNTY PROJECT OFFICER FOR A PERIMETER INSPECTION PRIOR TO CLEARING THE REMAINDER OF THE SITE IN ORDER TO OBTAIN PHASE II GRADING PERMIT.
- 8. CLEAR THE SITE TO THE LIMITS AS SHOWN ON THE CONSTRUCTION PLANS.

B. PHASE II:

- 1. BEGIN UTILITY CONSTRUCTION, INSTALL THE STORM DRAINAGE SYSTEM AND BEGIN SITE GRADING.
- 2. ONCE THE EAST SIDE OF SITE IS BOUGHT TO NEAR FINAL GRADE, AND STORM DRAINAGE CONSTRUCTION IS COMPLETE, SILT FENCE MAY BE REMOVED AND ONLY DIVERSION DIKES AND TREE PROTECTION WILL REMAIN AS SHOWN ON PHASE II OF THE E&S PLAN.
- 3. COMMENCE CONSTRUCTION OF CURB & GUTTER, STREET, SIDEWALKS, AND OTHER IMPROVEMENTS THAT DO NOT CONFLICT WITH THE TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON THE CONSTRUCTION PLAN.
- 4. INLET PROTECTION (IP) SHALL BE PROVIDED AT STORM DRAIN INLETS AS THEY ARE CONSTRUCTED.
- 5. THE CONTROL MEASURES MAY NOT BE REMOVED UNTIL ALL OF THE DISTURBED AREAS HAVE BEEN STABILIZED AND ONLY AS APPROVED AND DIRECTED BY THE INSPECTOR.

MAINTENANCE

IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED REGULARLY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS SHALL BE CHECKED IN PARTICULAR:

- 1. THE SILT FENCE SHALL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
- 2. DIVERSION DIKES SHALL BE INSPECTED AFTER EVERY RAINFALL EVENT AND AT LEAST ONCE EVERY TWO WEEKS. SEDIMENT SHALL BE REMOVED FROM THE CHANNEL AND REPAIRS MADE AS NECESSARY.
- 3. THE SEEDED AREA SHALL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEEDED AS NEEDED.

NET CHANGE IN IMPERVIOUS:

	PERVIOUS	IMPERVIOUS
PRE	37,465	21,565
POST	22,570	36,460
NET	(-) 14,895 SF	(+) 14,895 SF

(+) INDICATES INCREASE IN AREA
(-) INDICATES DECREASE IN AREA

FOR ALL DETAILS AND SPECIFICATIONS, SEE THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK

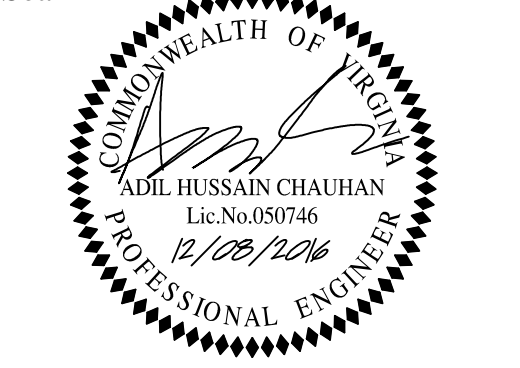
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Engineering Bureau
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Seal



Approvals

Date

[Signature] 12/9/2016
QUALITY CONTROL ENGINEER
[Signature] 12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR
[Signature] 12/13/16
WATER, SEWER STREETS BUREAU CHIEF
[Signature] 12/13/16
TRANSPORTATION DIRECTOR
[Signature] 12/13/16
PROJECT MANAGER

Revisions

Date

Revisions	Date

Project Name and Location

LONG BRIDGE DRIVE
E&S NOTES & DETAILS
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314.4531.13.046S.S12.0000

Designed: A.K.
Drawn: A.K.
Checked: A.C.
Miss Utility Transmittal #: N/A

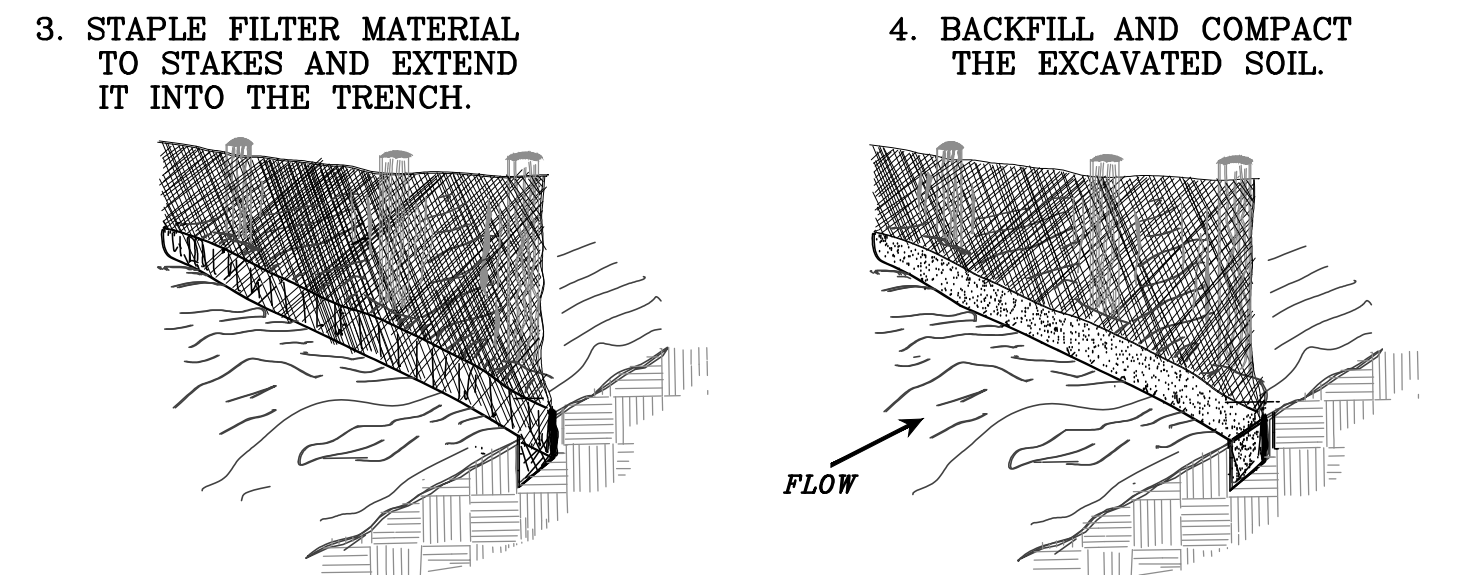
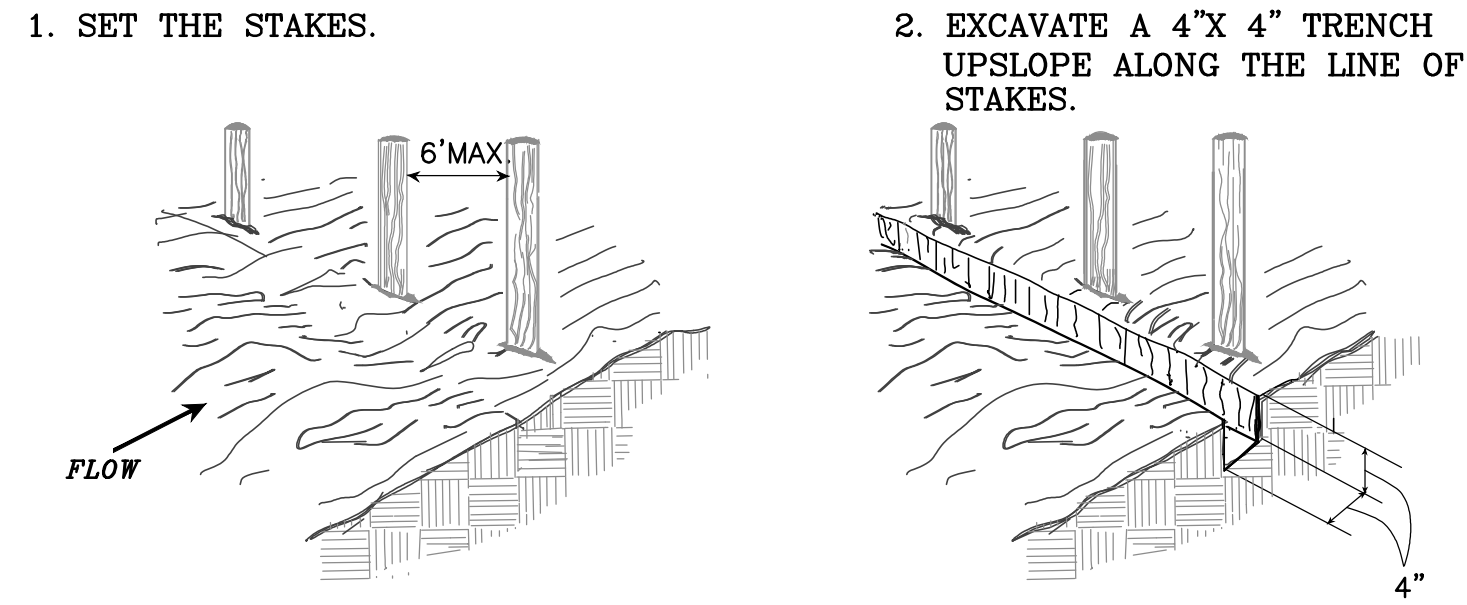
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Plotted by: Akafle

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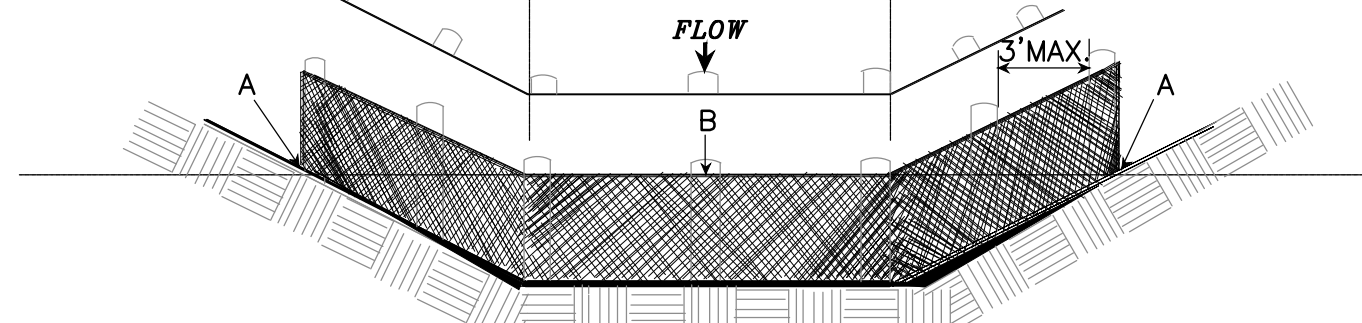
Sheet
5 OF 33

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**CONSTRUCTION OF A SILT FENCE
(WITHOUT WIRE SUPPORT)**



SHEET FLOW INSTALLATION
(PERSPECTIVE VIEW)

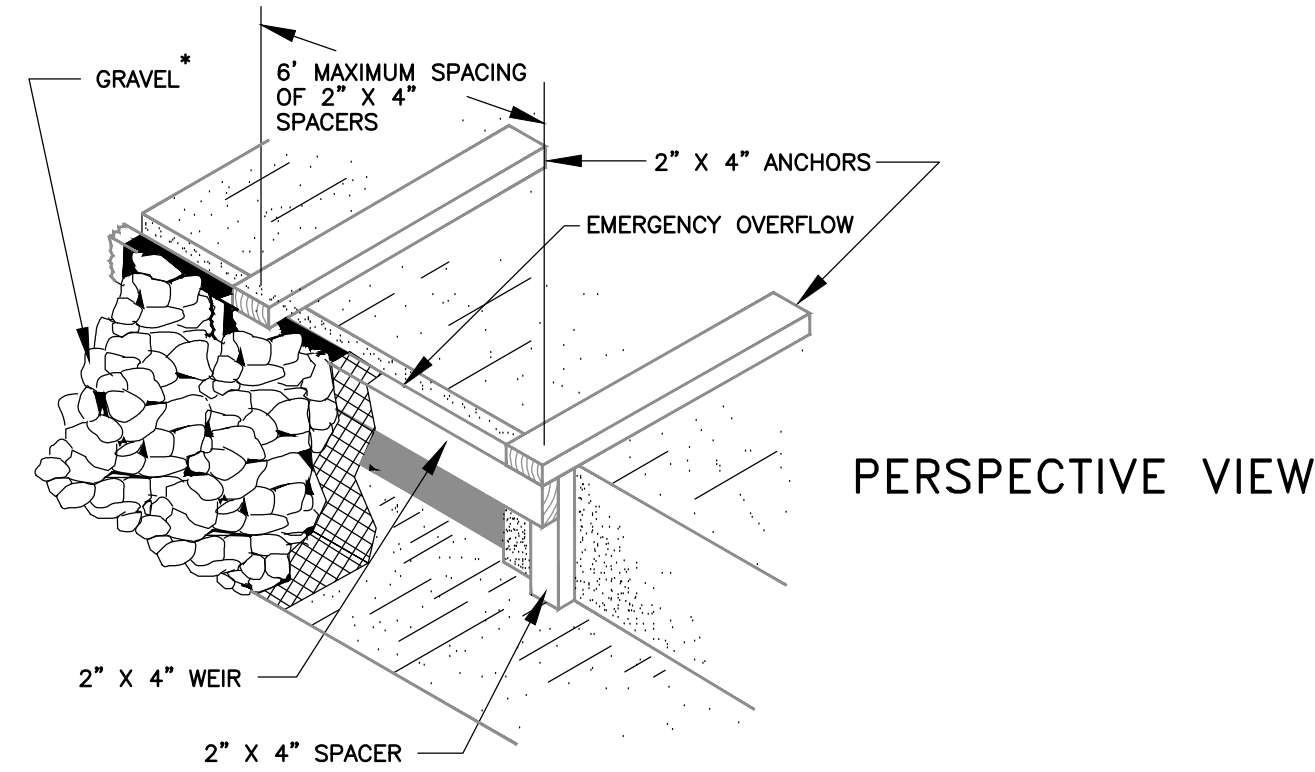


POINTS A SHOULD BE HIGHER THAN POINT B.
DRAINAGE WAY INSTALLATION
(FRONT ELEVATION)

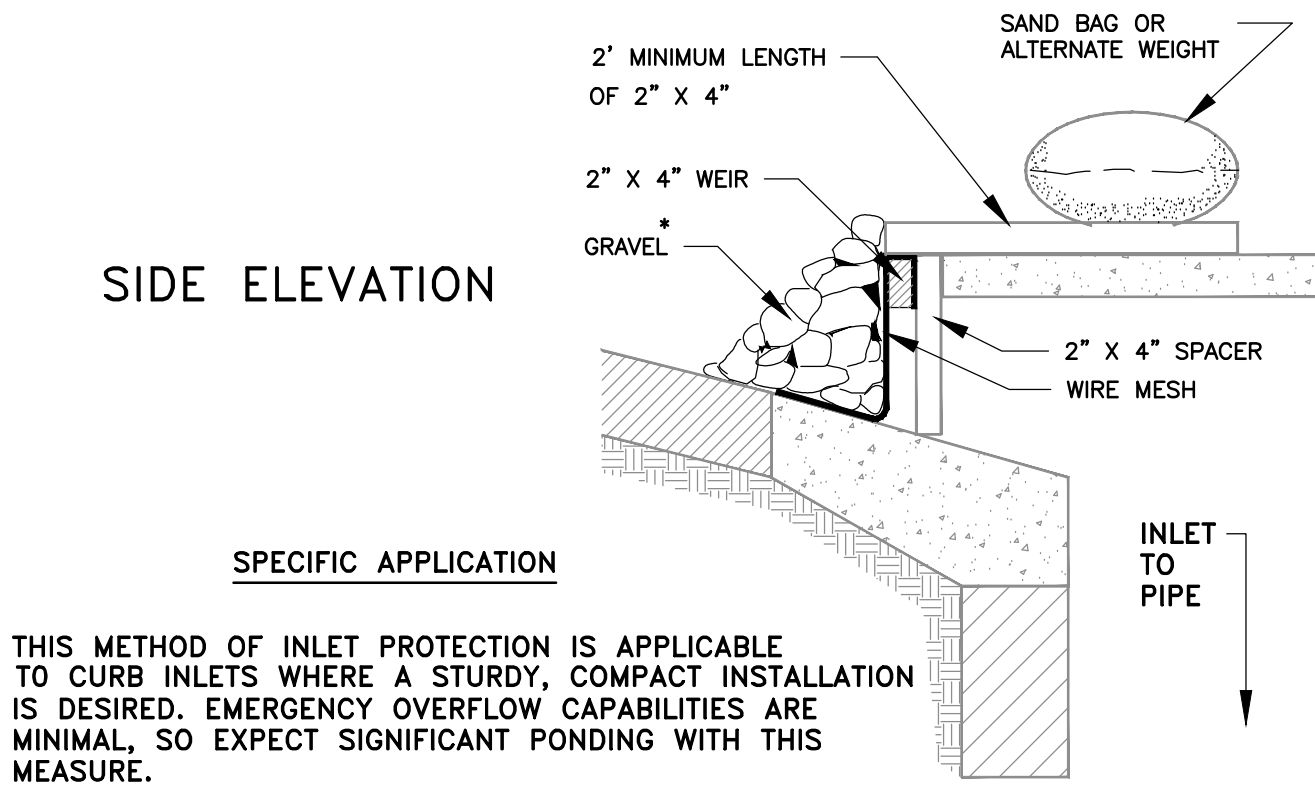
SOURCE: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, VA. DSWC

PLATE 3.05-2

**CURB INLET PROTECTION
WITH 2-INCH X 4-INCH
WOODEN WEIR**



PERSPECTIVE VIEW



SIDE ELEVATION

SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

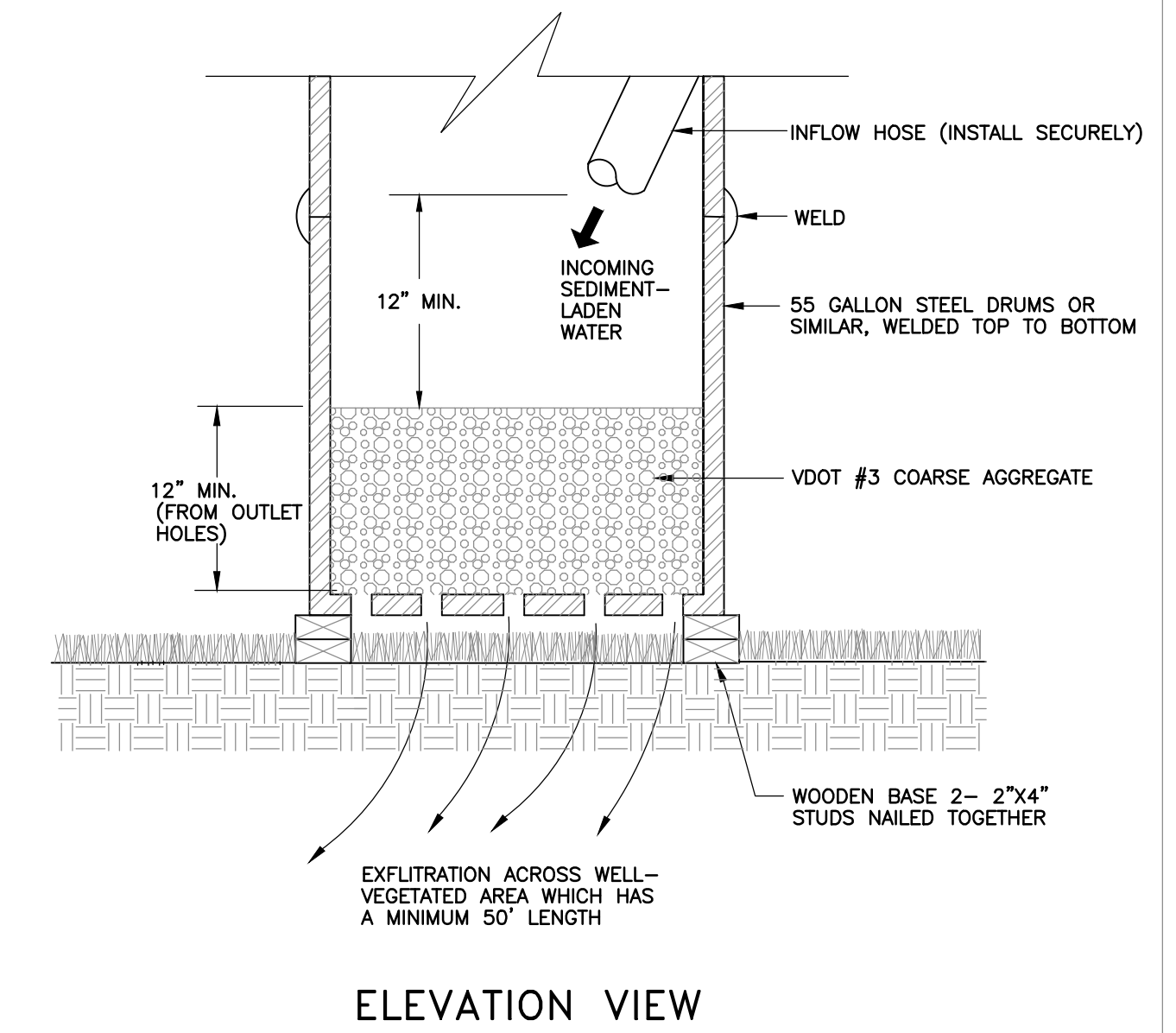
*GRAVEL SHALL BE VDOT COARSE AGGREGATE #3, #357 OR #5

SOURCE: USDA SCS

PLATE 3.07-7

DEWATERING DEVICE

FILTER BOX



ELEVATION VIEW

SOURCE: VA. DSWC

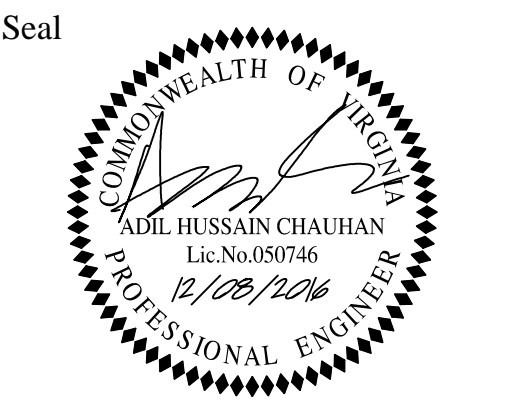
PLATE: 3.26-2



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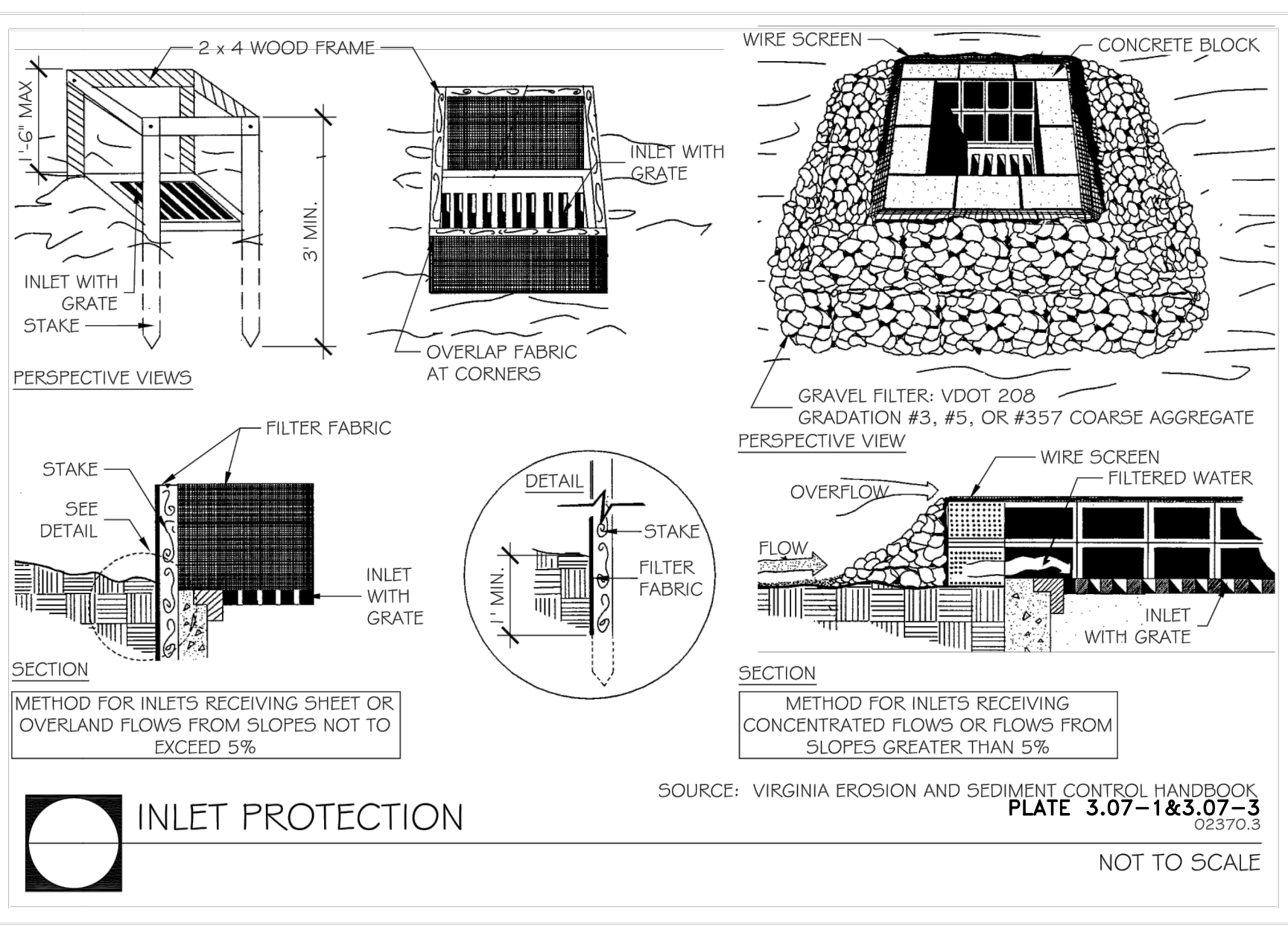
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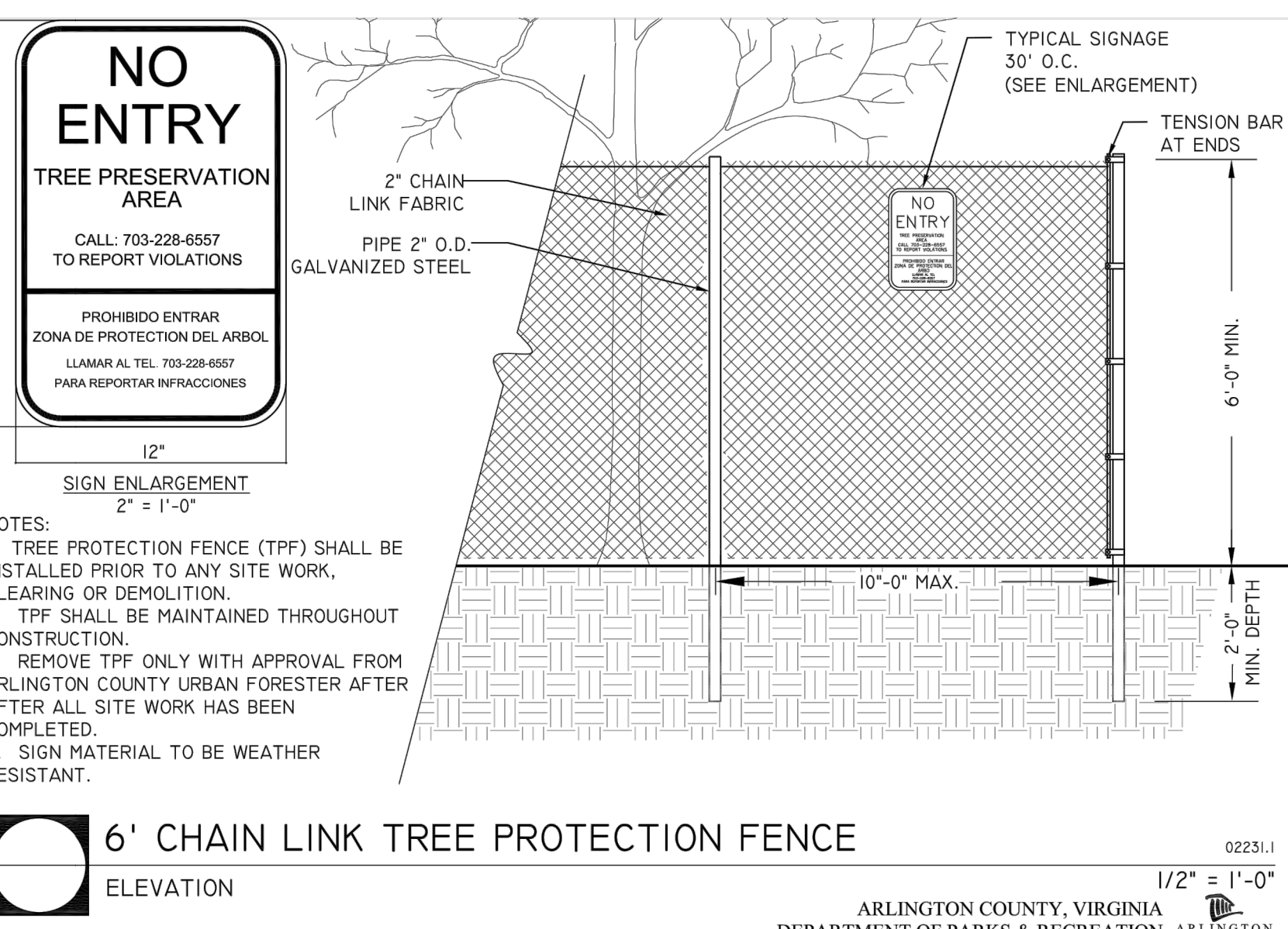
Approvals	Date
[Signature]	12/13/16
QUALITY CONTROL ENGINEER	
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CONSTRUCTION MANAGEMENT SUPERVISOR	
[Signature]	12/13/16
WATER, SEWER STREETS BUREAU CHIEF	
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TRANSPORTATION DIRECTOR	
[Signature]	12/13/16
PROJECT MANAGER	

Revisions	Date

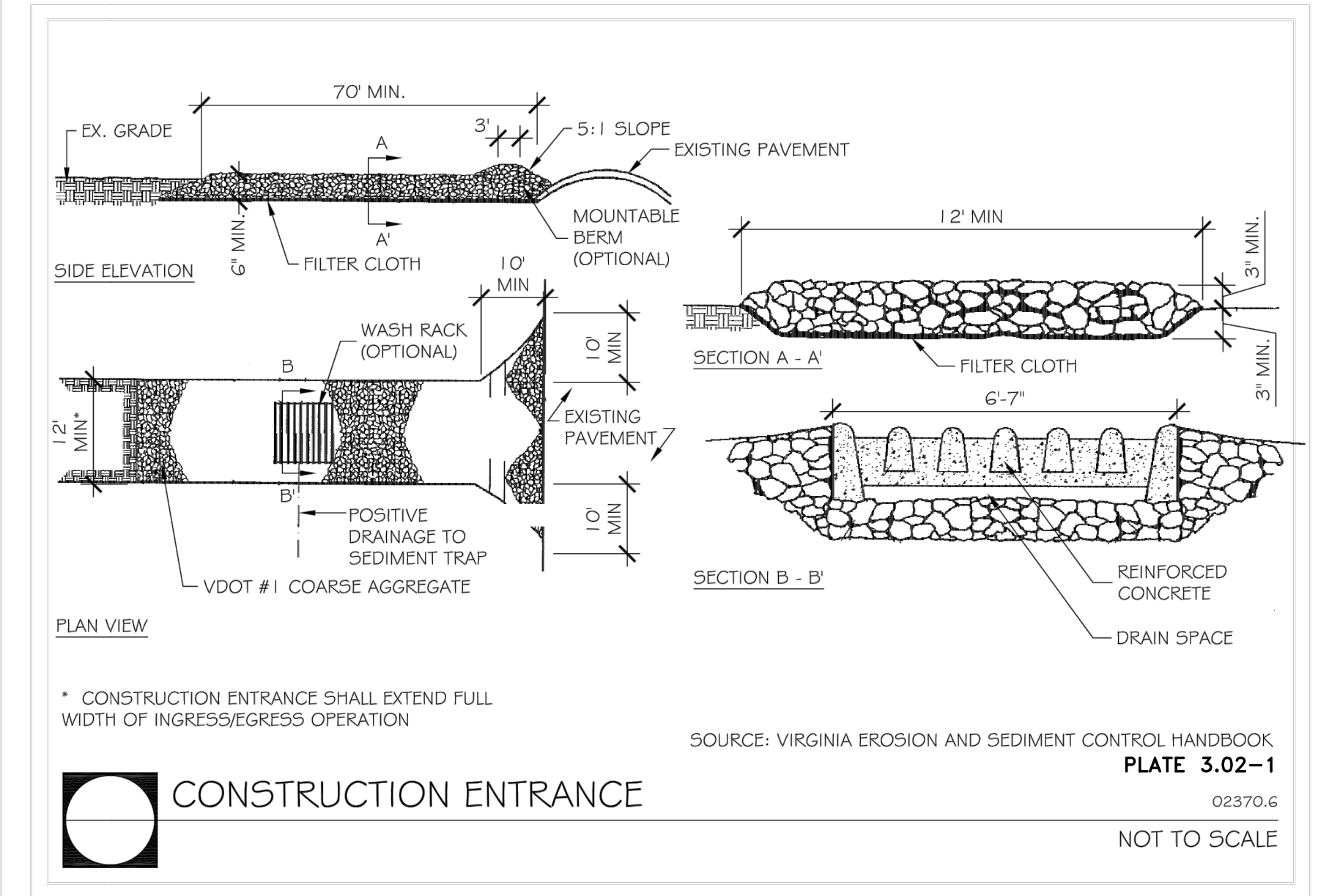


INLET PROTECTION

SOURCE: VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK
PLATE 3.07-1 & 3.07-3
02370.3
NOT TO SCALE



6' CHAIN LINK TREE PROTECTION FENCE
ELEVATION
ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF PARKS & RECREATION



CONSTRUCTION ENTRANCE

SOURCE: VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK
PLATE 3.02-1
02370.6
NOT TO SCALE

FOR ALL DETAILS AND SPECIFICATIONS, SEE THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK

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Project Name and Location
LONG BRIDGE DRIVE
E&S NOTES & DETAILS
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314.43.13.1.D46S.S12.0000

Designed: A.K.
Drawn: A.K.
Checked: A.C.
Miss Utility Transmittal #: N/A
Filename: D28S-E&S PLAN.dwg
Path: Q:\Data\28S\Design\Drawings
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SEI ARLINGTON ACQUISITION CORP.
RPC 34023003
D.B. 2661, PG. 852

THE FREDERICKSBURG AND POTOMAC RAILROAD COMPANY
D.B. 122, PG. 417

LONG BRIDGE DRIVE
D.B. 1018, PG. 112

THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA
RPC 34023002
D.B. 4497, PG. 1553

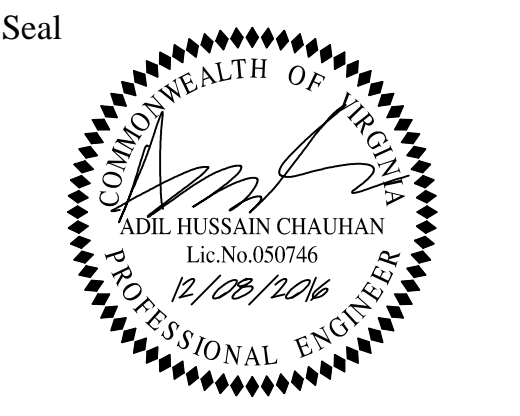
THE RESUBDIVISION OF PARCEL 15
POTOMAC YARD ARLINGTON
PARCEL 15-A
THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA
RPC 34024347
D.B. 4464, PG. 1845

PERMANENT PIPELINE EMBANKMENT
D.B. 3609, PG. 265



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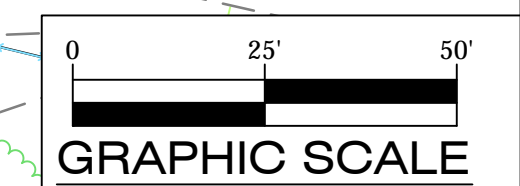


Approvals	Date
QUALITY CONTROL ENGINEER	12/19/16
CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
WATER, SEWER STREETS BUREAU CHIEF	12/13/16
TRANSPORTATION DIRECTOR	12/13/16
PROJECT MANAGER	12/13/16

Revisions	Date

Project Name and Location
LONG BRIDGE DRIVE
E&S PLAN - PHASE I
LONG BRIDGE DRIVE / BOUNDARY
CHANNEL DRIVE / I-395 INTERCHANGE
ROAD REALIGNMENT
314.43513.D46S.S12.0000

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Drawn: A.K.
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Miss Utility Transmittal #: N/A
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D.B. 2661, PG. 852

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D.B. 122, PG. 417

THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA
RPC 34023002
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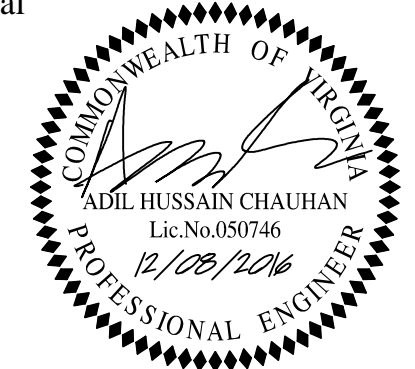
THE RESUBDIVISION OF PARCEL 15
POTOMAC YARD ARLINGTON
PARCEL 15-A
THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA
RPC 34024347
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Seal



Approvals

Signature	Date
<i>[Signature]</i>	12/13/16
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

Revisions

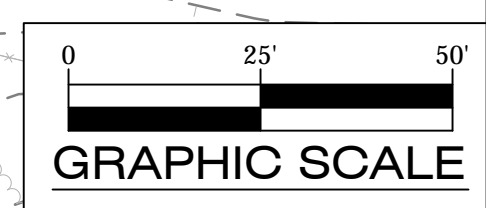
Revisions	Date

Project Name and Location

LONG BRIDGE DRIVE
E&S PLAN - PHASE II
LONG BRIDGE DRIVE / BOUNDARY
CHANNEL DRIVE/ I-395 INTERCHANGE
ROAD REALIGNMENT
314.43513.DWG.S12.0000

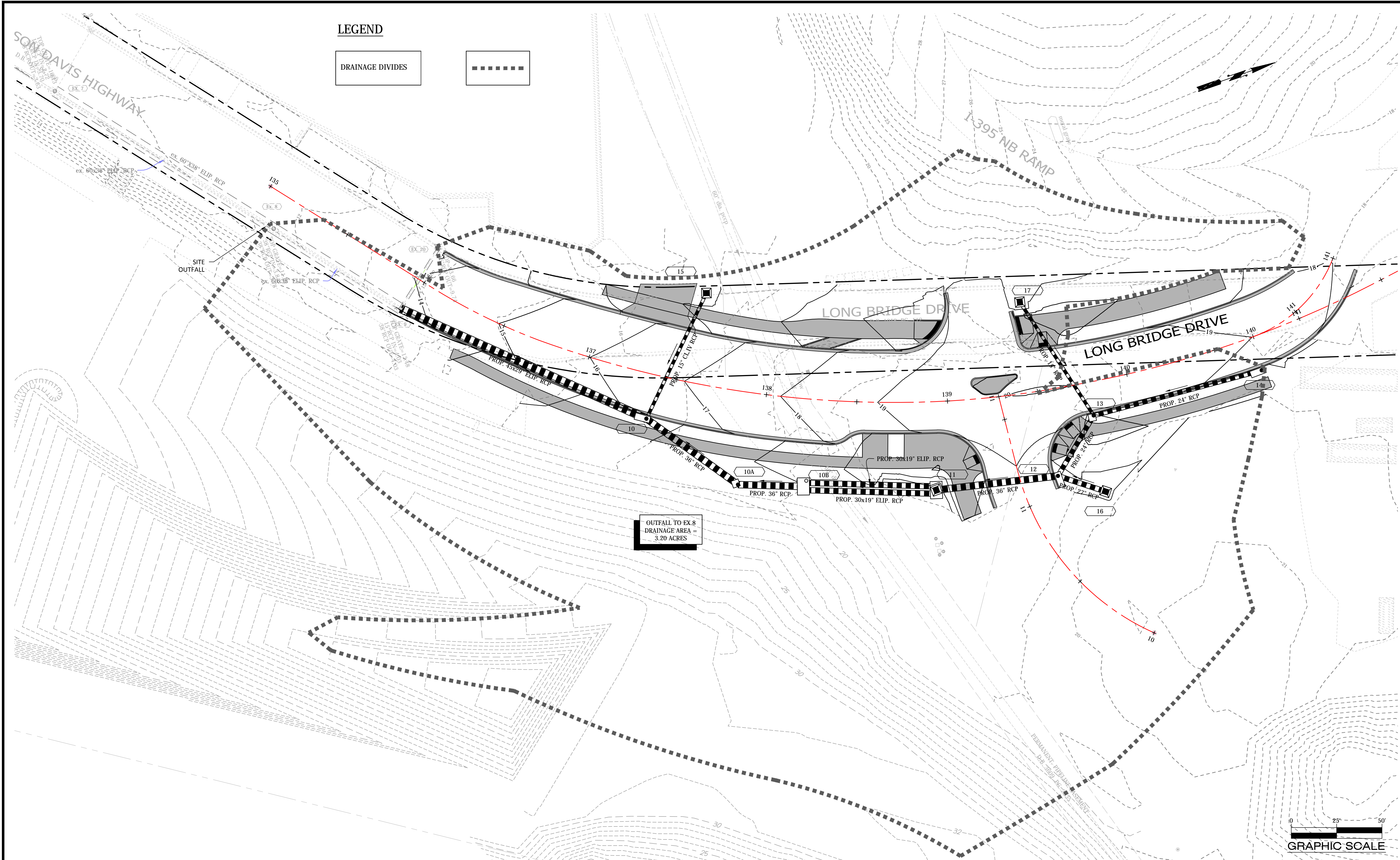
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Sheet 8 OF 33

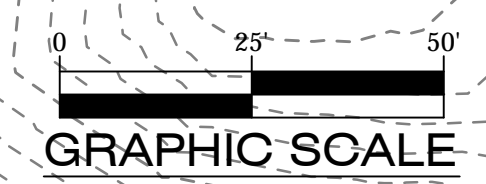


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LONG BRIDGE DRIVE

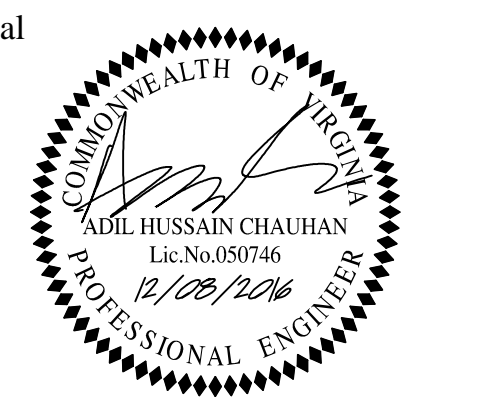


OUTFALL TO EX. 8
DRAINAGE AREA =
3.20 ACRES



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Approvals	Date
	12/13/16
	12/13/16
	12/13/16
	12/13/16
	12/13/16

Revisions	Date

LONG BRIDGE DRIVE
SWM, BMP & OUTFALL NARRATIVE
LONG BRIDGE DRIVE / BOUNDARY
CHANNEL DRIVE/ I-395 INTERCHANGE
ROAD REALIGNMENT
314.4313.1.468.S12.0000

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Checked: A.C.
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Plotted by: Akafle

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Sheet 9 OF 33

CBPO / BMP NARRATIVE:
THIS PROJECT IS A PUBLIC ROAD PROJECT AND IS THEREFORE EXEMPT FROM THE REQUIREMENTS OF THE CHESAPEAKE BAY PRESERVATION ORDINANCE UNDER 61-15 OF THE ARLINGTON COUNTY CODE.

SWM / ADEQUATE OUTFALL NARRATIVE:
THIS PROJECT WAS FUNDED PRIOR TO JULY 1, 2012 AND THEREFORE PER 60-12 OF ARLINGTON COUNTY CODE THIS PROJECT IS SUBJECT TO PART II C OF THE VSMP REGULATIONS.

THE SUBJECT SITE IS LOCATED IN ZONE X ON FEMA FIRM # 51013C0081C AND IS NOT LOCATED IN THE RPA.

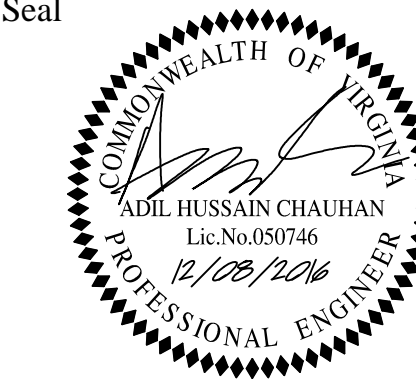
IN THE EXISTING CONDITION APPROXIMATELY 3.20 ACRES TO THE SITE OUTFALL. HOWEVER, DUE TO THE FUTURE DEVELOPMENT OF THE ADJACENT SITE, THE STORM SEWER SYSTEM FOR THE PROJECT HAS BEEN SIZED TO ACCOMMODATE FLOWS FROM THE FUTURE DEVELOPMENT. THE FLOWS FROM THE PREVIOUSLY

APPROVED SITE PLAN TITLED "LONG BRIDGE PARK AQUATIC, HEALTH AND FITNESS CENTER" WERE USED TO SIZE THE STORM SEWER SYSTEM. 11.73 CFS WERE ADDED TO STORM STRUCTURE 14 AND 26.96 CFS WERE ADDED TO STRUCTURE 16 FROM THE FUTURE DEVELOPMENT (SEE SHEET C-213 FROM THE AQUATIC CENTER PLAN). AS SHOWN ON SHEET 18, THE SYSTEM ADEQUATELY CONVEYS ALL THE FLOWS FROM THE PROJECT AND THE FUTURE DEVELOPMENT TO THE SITE OUTFALL.

THE SITE OUTFALL CONSISTS OF AN EXISTING 38" X 60" ELLIPTICAL CONCRETE PIPE. THE STORM SEWER SIZING COMPUTATIONS ON SHEET 18 WERE EXTENDED TO THE EXISTING ELLIPTICAL PIPE (EX.8-EX.7) AND SHOW THAT THE SYSTEM CAN ADEQUATELY CONVEY THE 10-YR FLOW FROM THE SITE AND THE FUTURE DEVELOPMENT.

BASED ON THE ABOVE ANALYSIS IT IS OUR OPINION THAT THE OUTFALL IS ADEQUATE AND SITE DEVELOPMENT WILL NOT HAVE AN ADVERSE IMPACT ON DOWNSTREAM PROPERTIES.

Seal



Approvals Date

	12/13/16
QUALITY CONTROL ENGINEER	
	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
	12/13/16
WATER, SEWER, STREETS BUREAU CHIEF	
	12/13/16
TRANSPORTATION DIRECTOR	
	12/13/16
PROJECT MANAGER	

Revisions Date

Project Name and Location
LONG BRIDGE DRIVE
PLD FORM & REGISTRATION STATEMENT
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314.43.13.D.46S.S12.0000

Designed: A.K.
Drawn: A.K.
Checked: A.C.
Miss Utility Transmittal #: N/A

Filename: D28S-E&SC PLAN.dwg
Path: Q:\Data\28S\Design\Drawings
Plotted: January 06, 2017
Plotted by: Akafle

Scale: N/A

06/04/2015
date

Qianqian Li, P.E.
ESC Program Administrator
Department of Environmental Services
2100 Clarendon Boulevard, Suite 813
Arlington, Virginia 22201

Re: Erosion and Sediment Control Permit Application for:
LONG BRIDGE DRIVE

street address
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE

lot, block, section subdivision

permit number

Dear Mrs. Li:

I hereby certify that I accept the responsibilities of **Responsible Land Disturber** for the above referenced project. I understand that these responsibilities include:

1. Reviewing the erosion and sedimentation (E&S) plan for the project.
2. Walking the site prior to construction to identify critical areas.
3. Conducting a pre-construction briefing with earth moving and site contractors to present the E&S plan and highlight the presence of critical areas, the limits of clearing and the required E&S controls and tree protection measures to be installed. Call 703-228-0760 to schedule pre-construction meeting.
4. Regularly inspecting the site during construction to ensure that all E&S controls are functioning and are adequate to address erosion and sedimentation. Inspect the site 48 hours after a runoff-generating storm, and provide a copy of the inspection findings to the county.
5. Reporting to the owner the presence inadequate or non functioning E&S controls when they are observed.
6. Ensuring that temporary soil stabilization is applied within 7 days to areas denuded that will remain undisturbed for longer than 14 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year.
7. Calling (703) 228-0760 at least 80 hours before demolishing any structure.

I may be reached at **703-228-3540** with questions about this plan or my execution of the duties of Responsible Land Disturber.

Sincerely,

signed
ADIL CHAUHAN
name printed
VA PE 0402043208
professional registration (type and number)

Registration Statement
General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10)
(Please Type or Print All Information)

1. Construction Activity Operator: (General permit coverage will be issued to this operator. The Certification in Item #12 must be signed by the appropriate person associated with this operator.)
Name: Adil Chauhan
Contact: 703.228.3540
Mailing Address: 2100 Clarendon Blvd., Suite 813
City: Arlington State: VA Zip: 22201 Phone: 703.228.3540
Email address (if available): achauhan@arlingtonva.us

Indicate if DEQ may transmit general permit correspondence electronically: Yes No

2. Existing General Permit Registration Number (for renewals only): N/A

3. Name and Location of the Construction Activity:
Name: Long Bridge Drive Road Realignment
Address (if available): Long Bridge Drive / Boundary Channel Drive / I-395 Interchange
City: Arlington State: VA Zip: 22202
County (if not located within a City): Arlington County
Latitude (decimal degrees): 38.88833 N Longitude (decimal degrees): 77.04472 W
Name and Location of all Off-site Support Activities to be covered under the general permit:
Name: N/A
Address (if available): N/A
City: N/A State: N/A Zip: N/A
County (if not located within a City): N/A
Latitude (decimal degrees): N/A Longitude (decimal degrees): N/A

4. Status of the Construction Activity (check only one): Federal State Public Private

5. Nature of the Construction Activity (e.g., commercial, industrial, residential, agricultural, oil and gas, etc.):
Arlington County's Roadway Realignment Project - Residential / Commercial
Name of the Receiving Water(s) and Hydrologic Unit Code (HUC) - [Link to HUC Map](#)
Name: Potomac River
HUC: PL24 HUC:

7. If the discharge is through a Municipal Separate Storm Sewer System (MS4), the name of the MS4 operator:
Arlington County

8. Estimated Project Start and Completion Date:
Start Date (mm/dd/yyyy): 01/28/2016 Completion Date (mm/dd/yyyy): 10/02/2016

9. Total Land Area of Development (to the nearest one-hundredth acre): 1.35 Acres
Estimated Area to be Disturbed (to the nearest one-hundredth acre): 1.35 Acres

10. Is the area to be disturbed part of a larger common plan of development or sale? Yes No

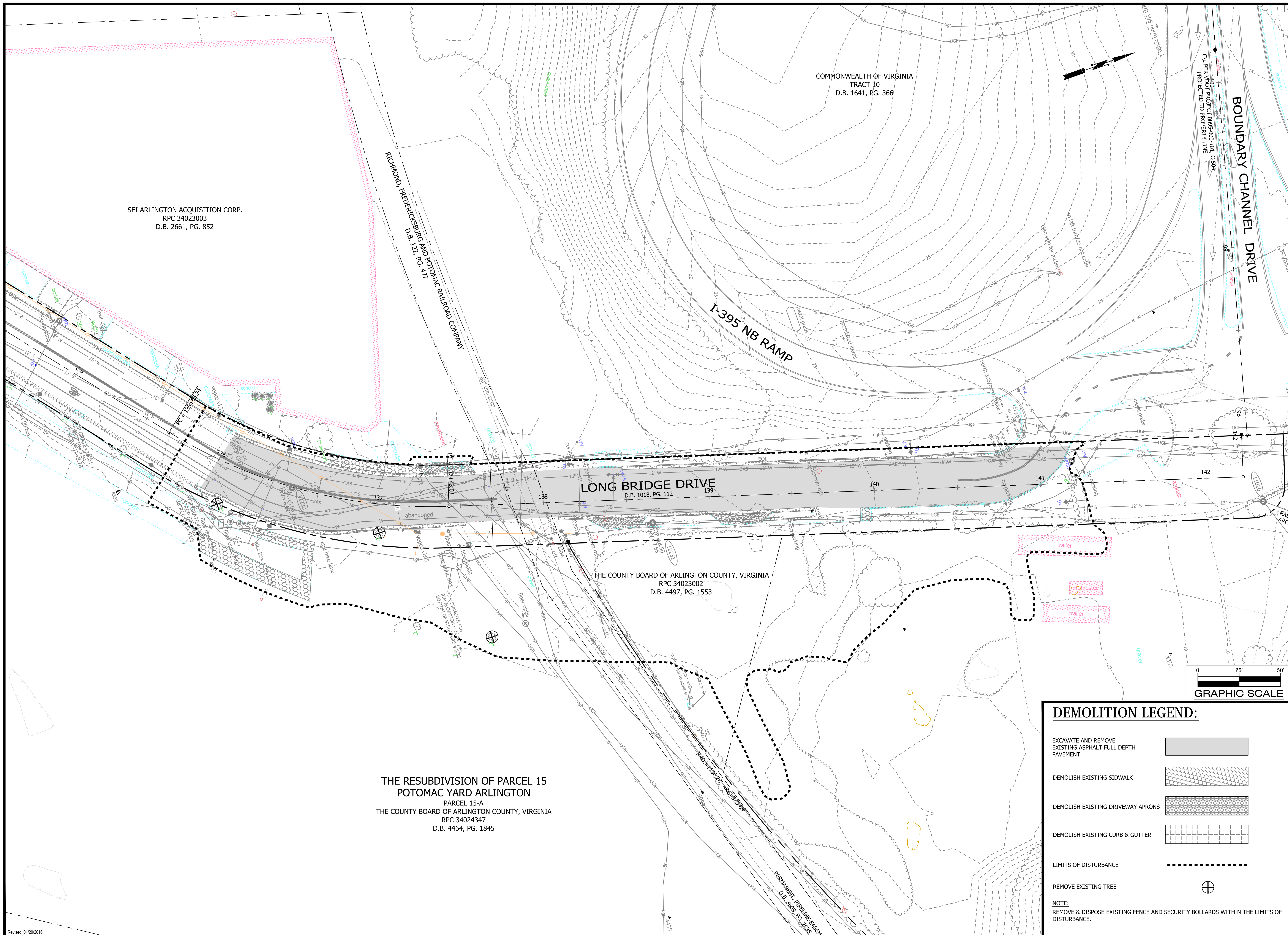
11. A stormwater pollution prevention plan (SWPPP) must be prepared in accordance with the requirements of the General VPDES Permit for Discharges of Stormwater from Construction Activities prior to submitting this Registration Statement. By signing this Registration Statement the operator is certifying that the SWPPP has been prepared.

12. Certification: "I certify under penalty of law that I have read and understand this Registration Statement and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Printed Name: Adil Chauhan Title: Design Engineer Team Supervisor
Signature: Date: 06/04/2015

(Please sign in INK. This Certification must be signed by the appropriate person associated with the operator identified in Item #1.)

01/2014 Page 1 of 1



SEI ARLINGTON ACQUISITION CORP.
RPC 34023003
D.B. 2661, PG. 852

RICHMOND, FREDERICKSBURG AND POTOMAC RAILROAD COMPANY
D.B. 127, PG. 477

COMMONWEALTH OF VIRGINIA
TRACT 10
D.B. 1641, PG. 366

LONG BRIDGE DRIVE
D.B. 1018, PG. 112

THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA /
RPC 34023002
D.B. 4497, PG. 1553

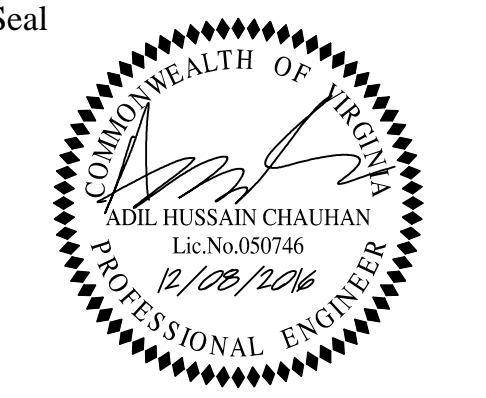
THE RESUBDIVISION OF PARCEL 15
POTOMAC YARD ARLINGTON
PARCEL 15-A
THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA
RPC 34024347
D.B. 4464, PG. 1845



DEPARTMENT OF ENVIRONMENTAL SERVICES

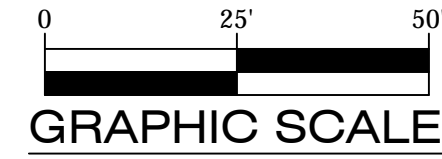
Facilities & Engineering Division
Engineering Bureau
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606

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Approvals	Date
<i>[Signature]</i>	12/13/16
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

Revisions	Date



DEMOLITION LEGEND:

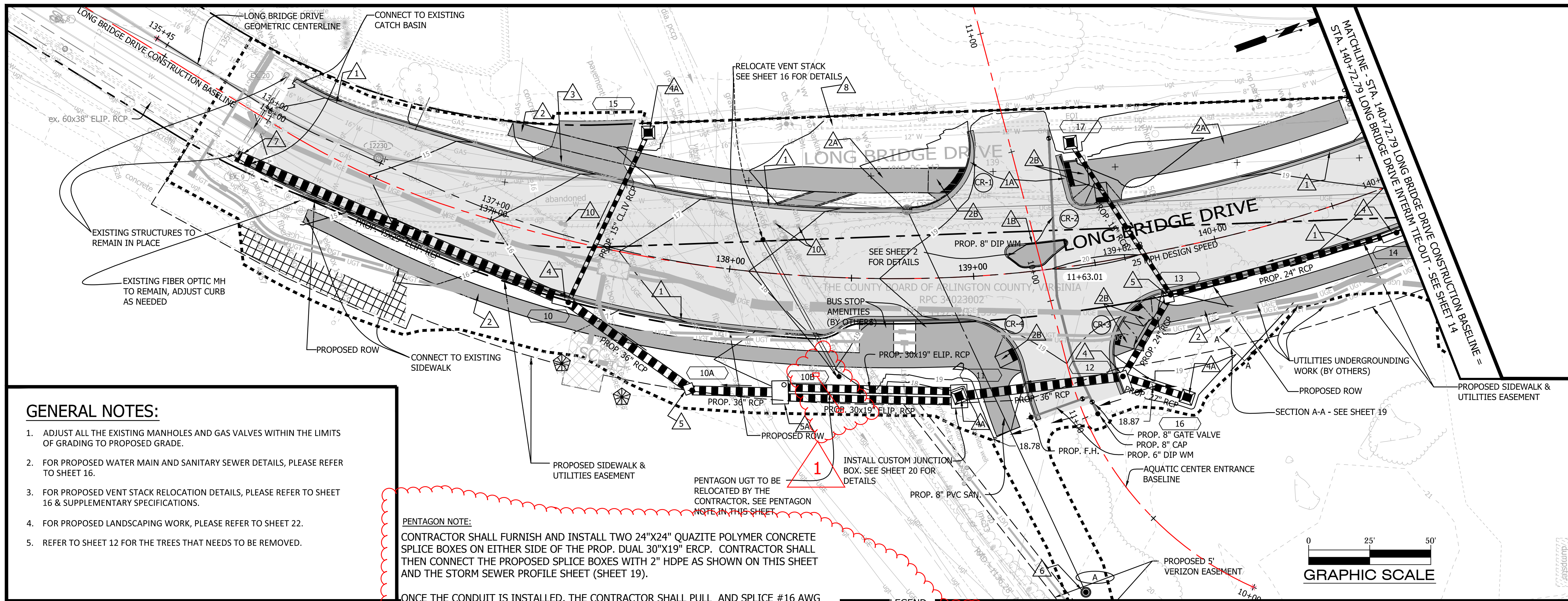
EXCAVATE AND REMOVE EXISTING ASPHALT FULL DEPTH PAVEMENT	
DEMOLISH EXISTING SIDEWALK	
DEMOLISH EXISTING DRIVEWAY APRONS	
DEMOLISH EXISTING CURB & GUTTER	
LIMITS OF DISTURBANCE	
REMOVE EXISTING TREE	

NOTE:
REMOVE & DISPOSE EXISTING FENCE AND SECURITY BOLLARDS WITHIN THE LIMITS OF DISTURBANCE.

Project Name and Location

LONG BRIDGE DRIVE
DEMOLITION PLAN
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314.43513.D46S.S12.0000

Designed: A.K.
Drawn: A.K.
Checked: A.C.
Miss Utility Transmittal #: N/A
Filename: D28S-Existing Conditions.dwg
Path: Q:\Data\28S\Design\Drawings
Plotted: January 06, 2017
Plotted by: Akafle
Scale: H: 1"=25'



CONSTRUCTION NOTES

- 1 PROPOSED CURB AND GUTTER (C-2) ARL STD (R-2.0)
- 1A PROPOSED CURB AND GUTTER (CG-6) VDOT STD. FOR LIMITS OF CG-6 SEE CURB RAMP DETAIL SHEETS 15 & 15A.
- 1B PROPOSED 3\"/>

GENERAL NOTES:

1. ADJUST ALL THE EXISTING MANHOLES AND GAS VALVES WITHIN THE LIMITS OF GRADING TO PROPOSED GRADE.
2. FOR PROPOSED WATER MAIN AND SANITARY SEWER DETAILS, PLEASE REFER TO SHEET 16.
3. FOR PROPOSED VENT STACK RELOCATION DETAILS, PLEASE REFER TO SHEET 16 & SUPPLEMENTARY SPECIFICATIONS.
4. FOR PROPOSED LANDSCAPING WORK, PLEASE REFER TO SHEET 22.
5. REFER TO SHEET 12 FOR THE TREES THAT NEEDS TO BE REMOVED.

PENTAGON NOTE:

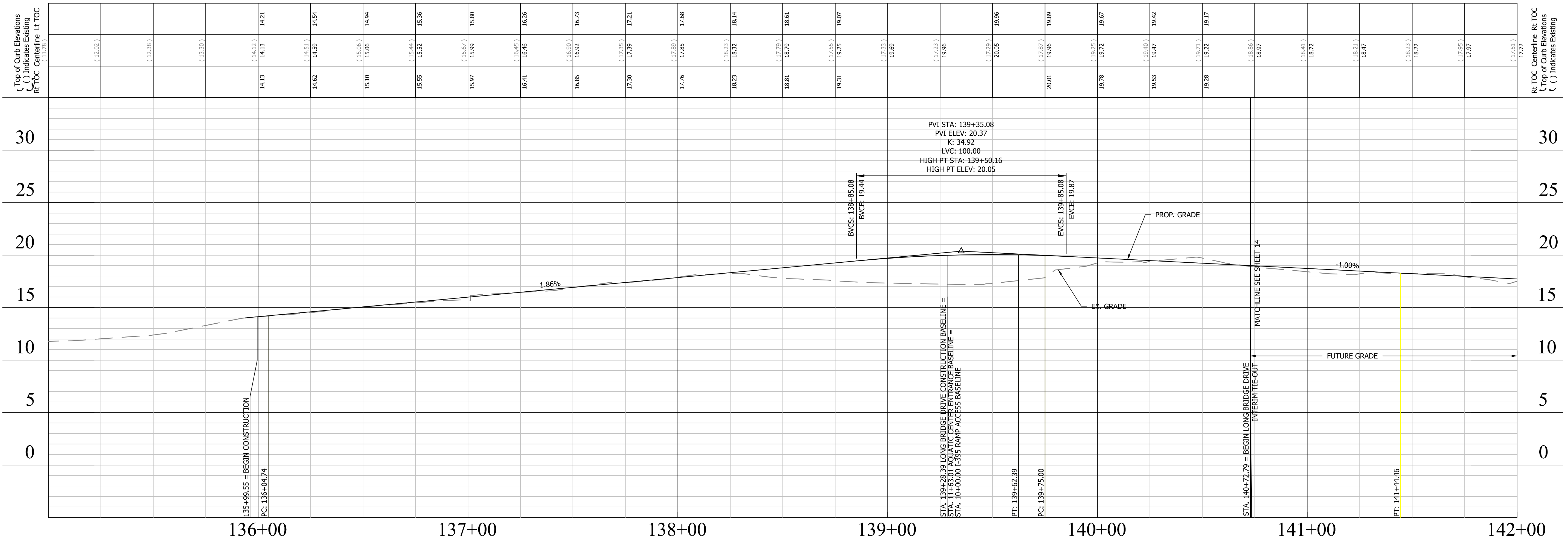
CONTRACTOR SHALL FURNISH AND INSTALL TWO 24\"/>

THE CONTRACTOR SHALL NOTIFY AND COORDINATE THE THE SPLICE AND RELOCATION OF THE PENTAGON UGT LINE FOR THE PENTAGON OUTFALL PIPE WITH THE PENTAGON HEATING AND REFRIGRATION PLANT (HRP) OPERATIONS AND MAINTENANCE MANAGER AT 703-697-4478.

Contractor shall furnish & install 24\"/>

2\"/>

LONG BRIDGE DRIVE CONSTRUCTION BASELINE



DEPARTMENT OF ENVIRONMENTAL SERVICES

Facilities & Engineering Division
 Engineering Bureau
 2100 Clarendon Boulevard, Suite 813
 Arlington, VA 22201
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 Fax: 703.228.3606

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Seal

Approvals

QUALITY CONTROL ENGINEER

CONSTRUCTION MANAGER / SUPERVISOR

WATER, SEWER, STREETS & TRANSPORTATION CHIEF

TRANSPORTATION DIRECTOR

PROJECT MANAGER

Revisions Date

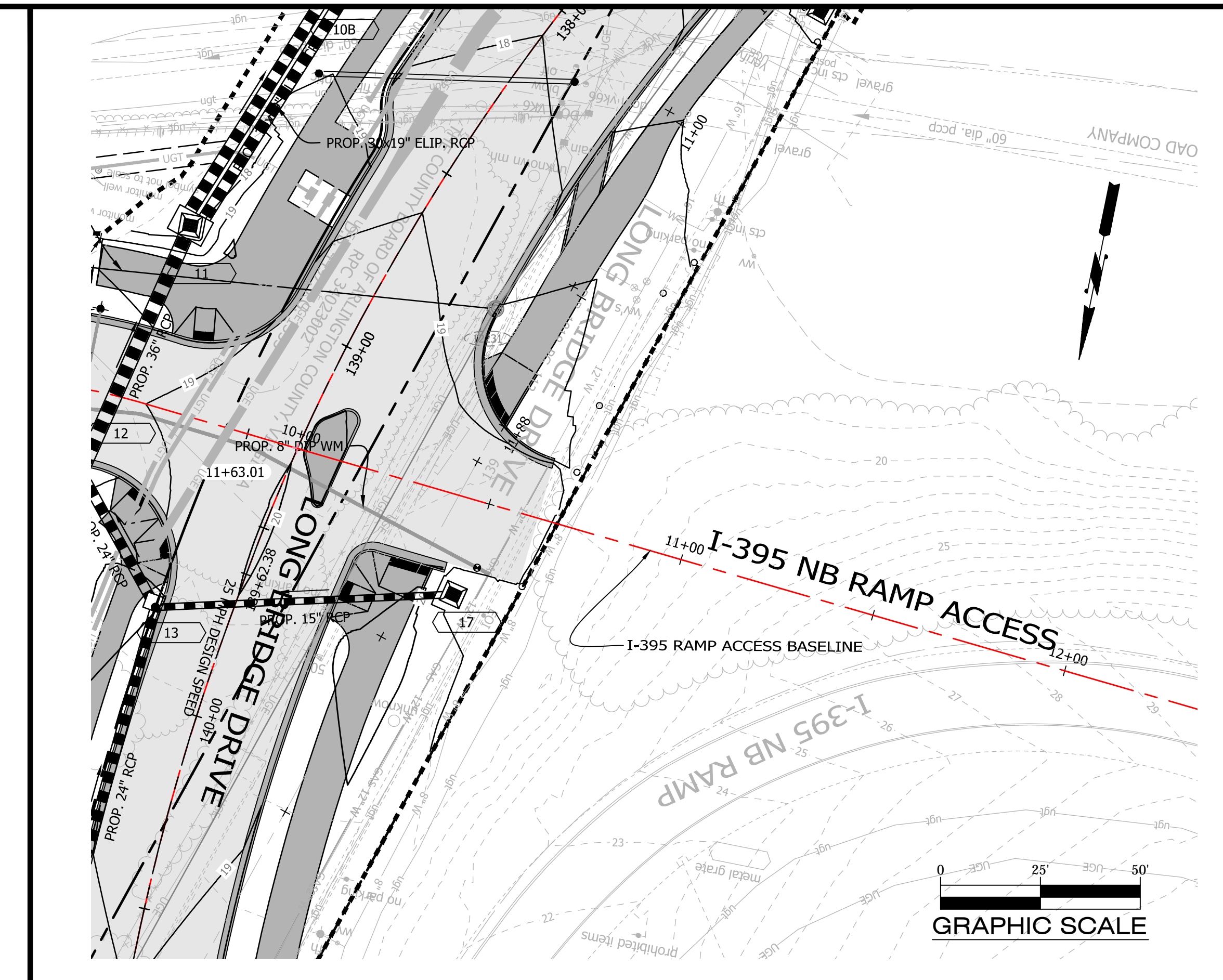
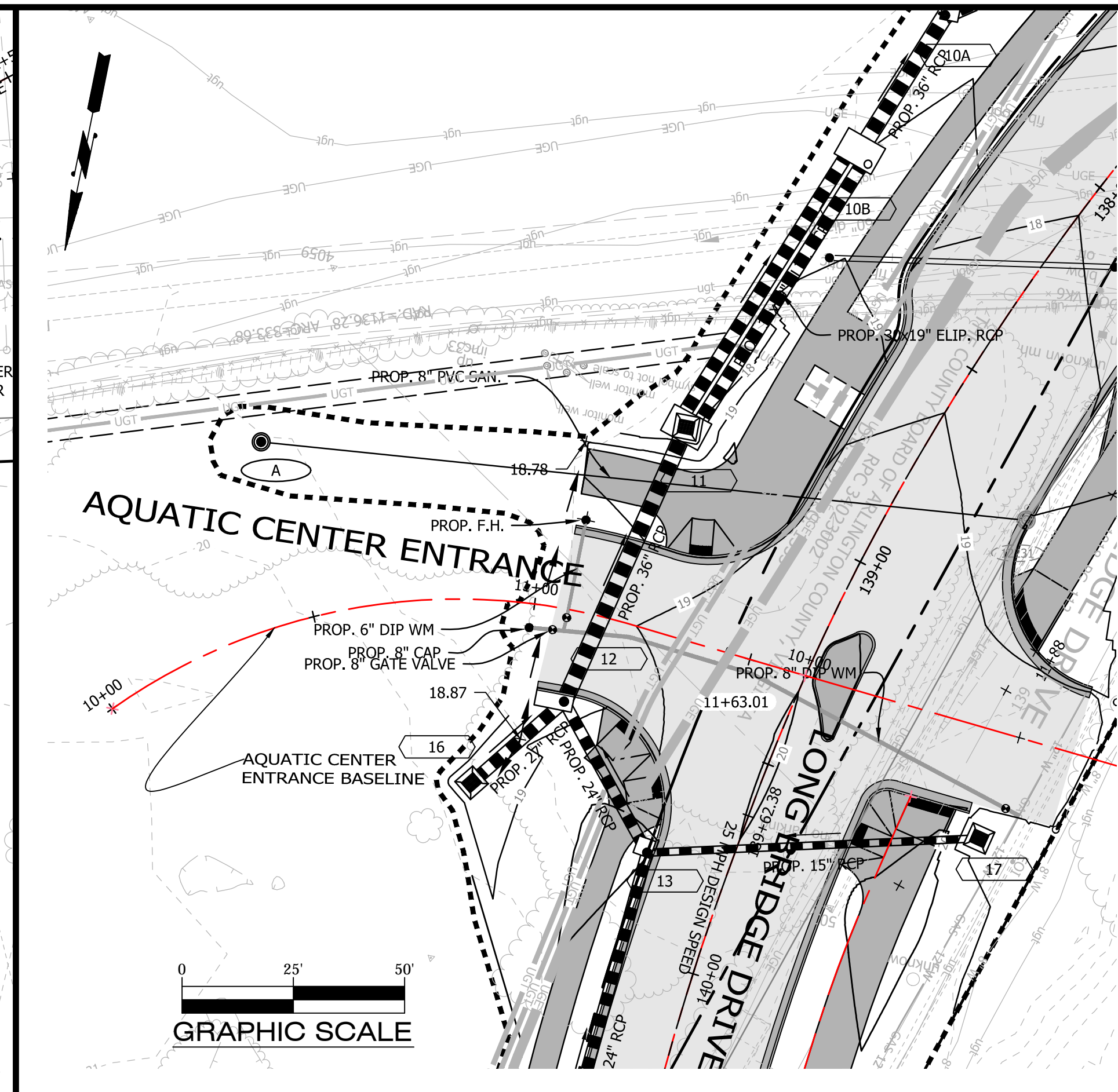
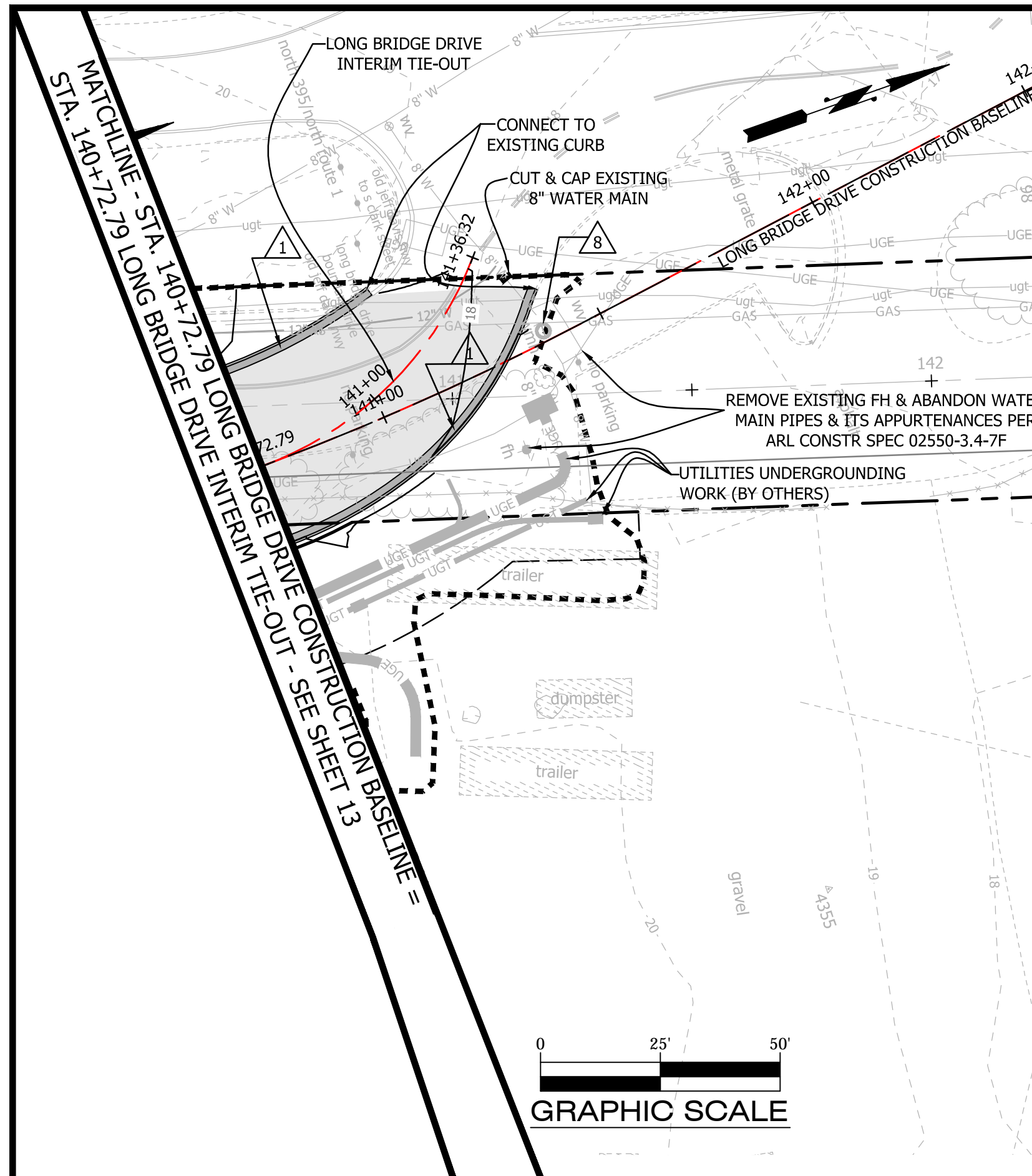
REVISED PENTAGON NOTE 03/15/17
 ADDED SPLICE BOXES
 AND CONDUIT FOR
 PENTAGON RELOCATION
 ADDED LEGEND

LONG BRIDGE DRIVE
 PLAN & PROFILE
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.433.13.D46S.S12.0000

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 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A

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 Plotted: January 06, 2017
 Plotted by: Akafle

Scale: H: 1"=25'
 V: 1"=5'



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Engineering Bureau
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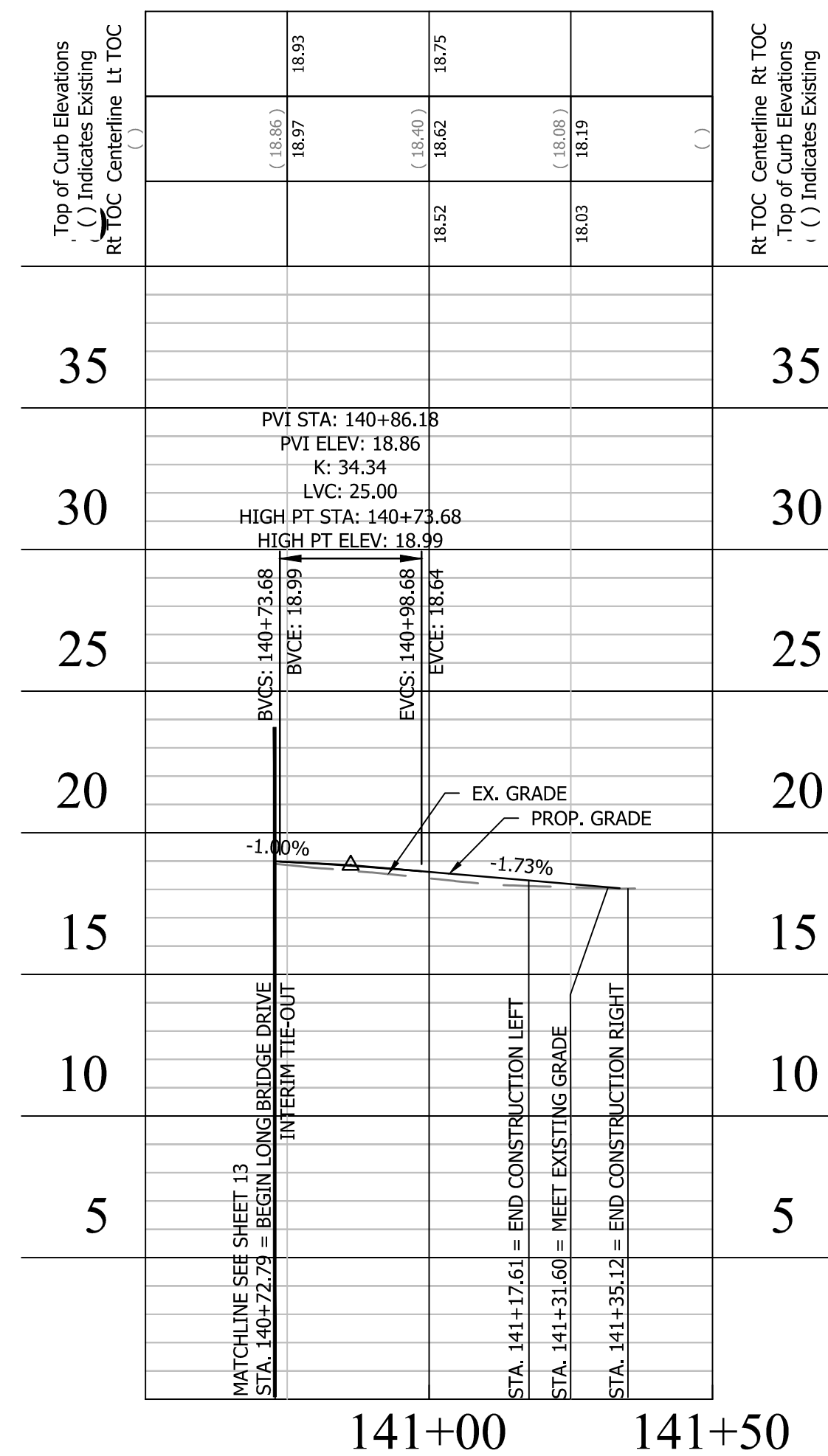
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Approvals

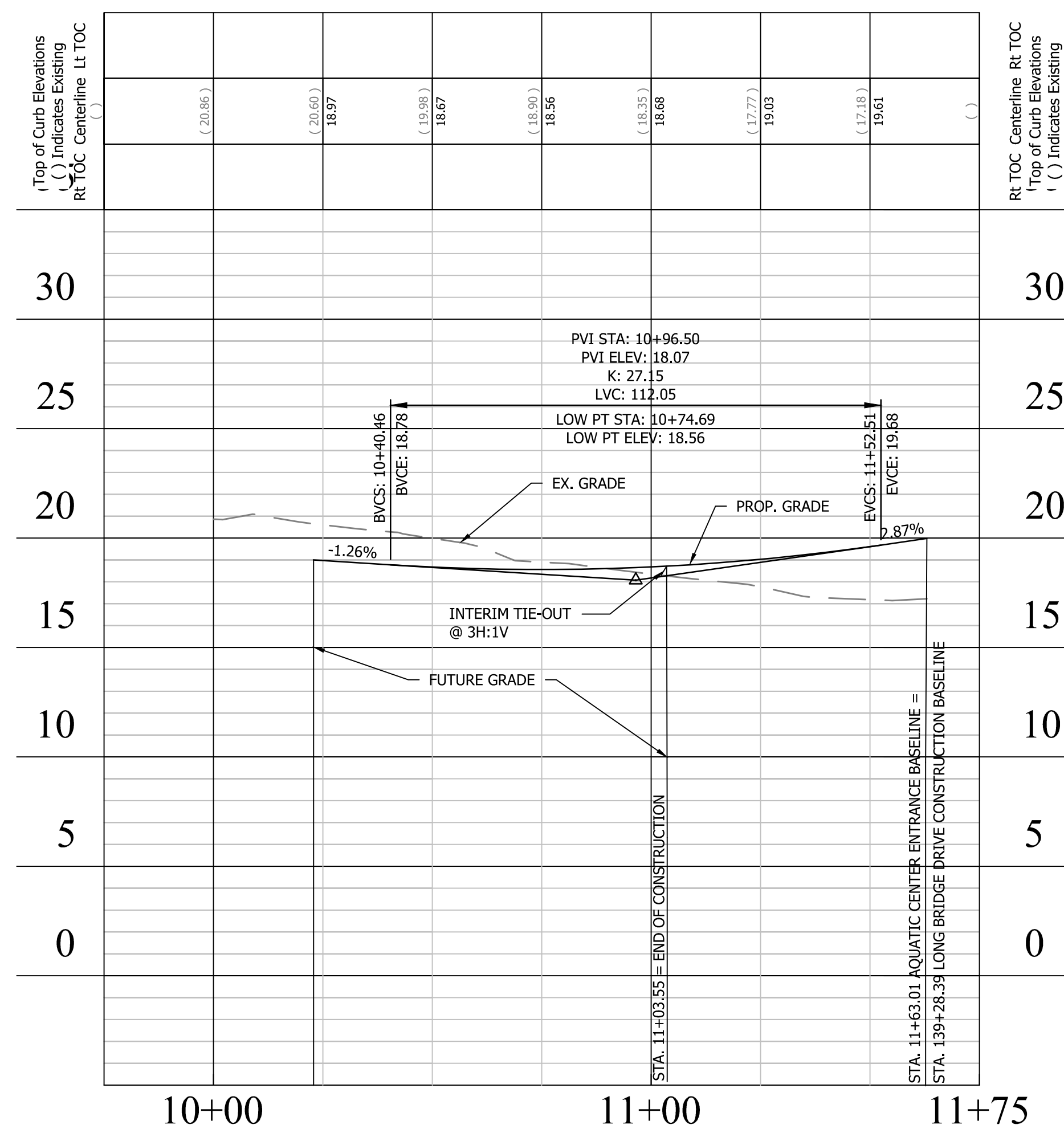
Adil Hussain Chaudhary	12/13/16
Construction Management Supervisor	12/13/16
Water, Sewer Streets Bureau Chief	12/13/16
Transportation Director	12/13/16
Project Manager	12/13/16

Revisions

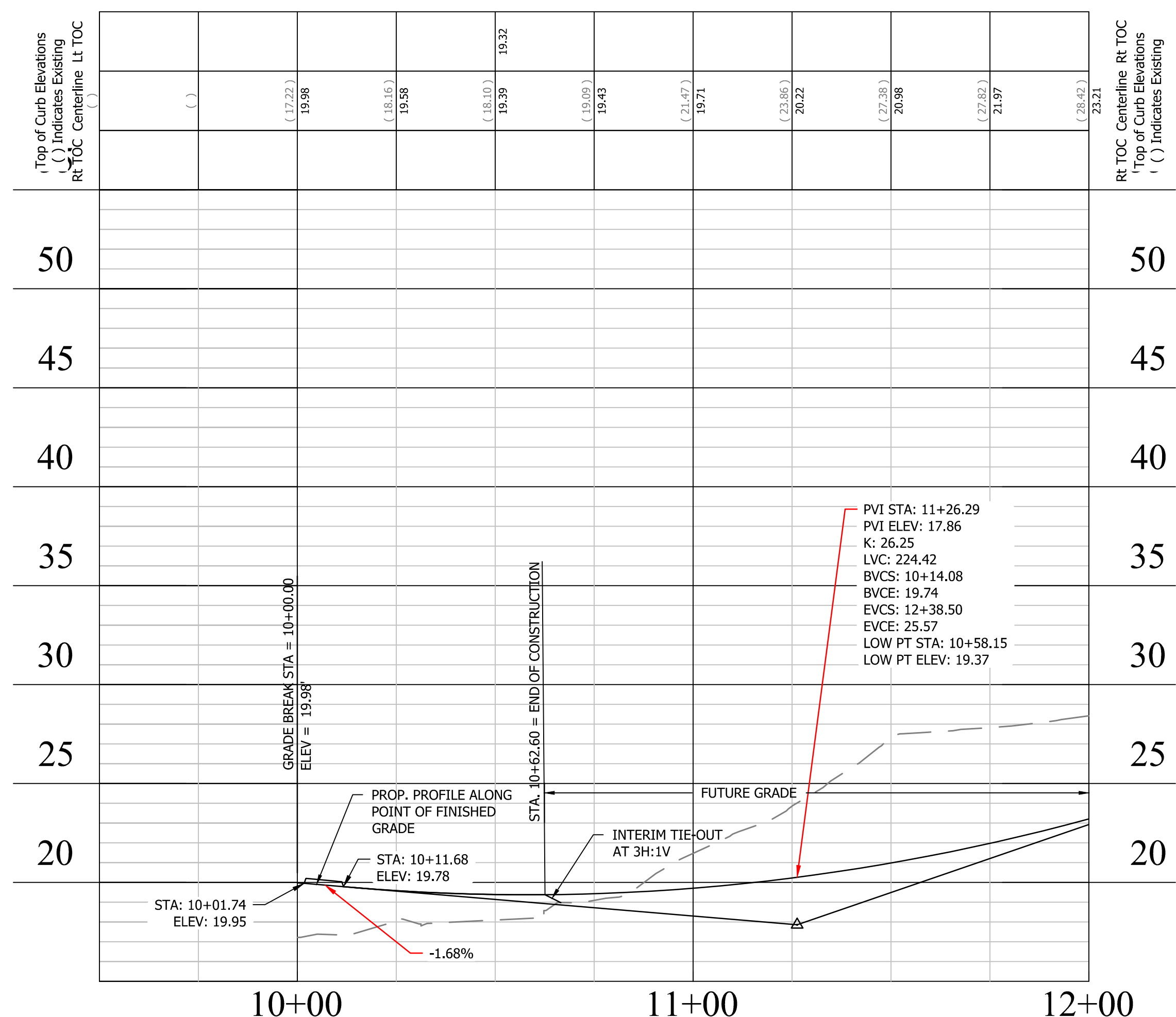
LONG BRIDGE DRIVE INTERIM TIE-OUT



AQUATIC CENTER ENTRANCE BASELINE



I-395 RAMP ACCESS BASELINE



Project Name and Location

LONG BRIDGE DRIVE

PLAN & PROFILE

LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT

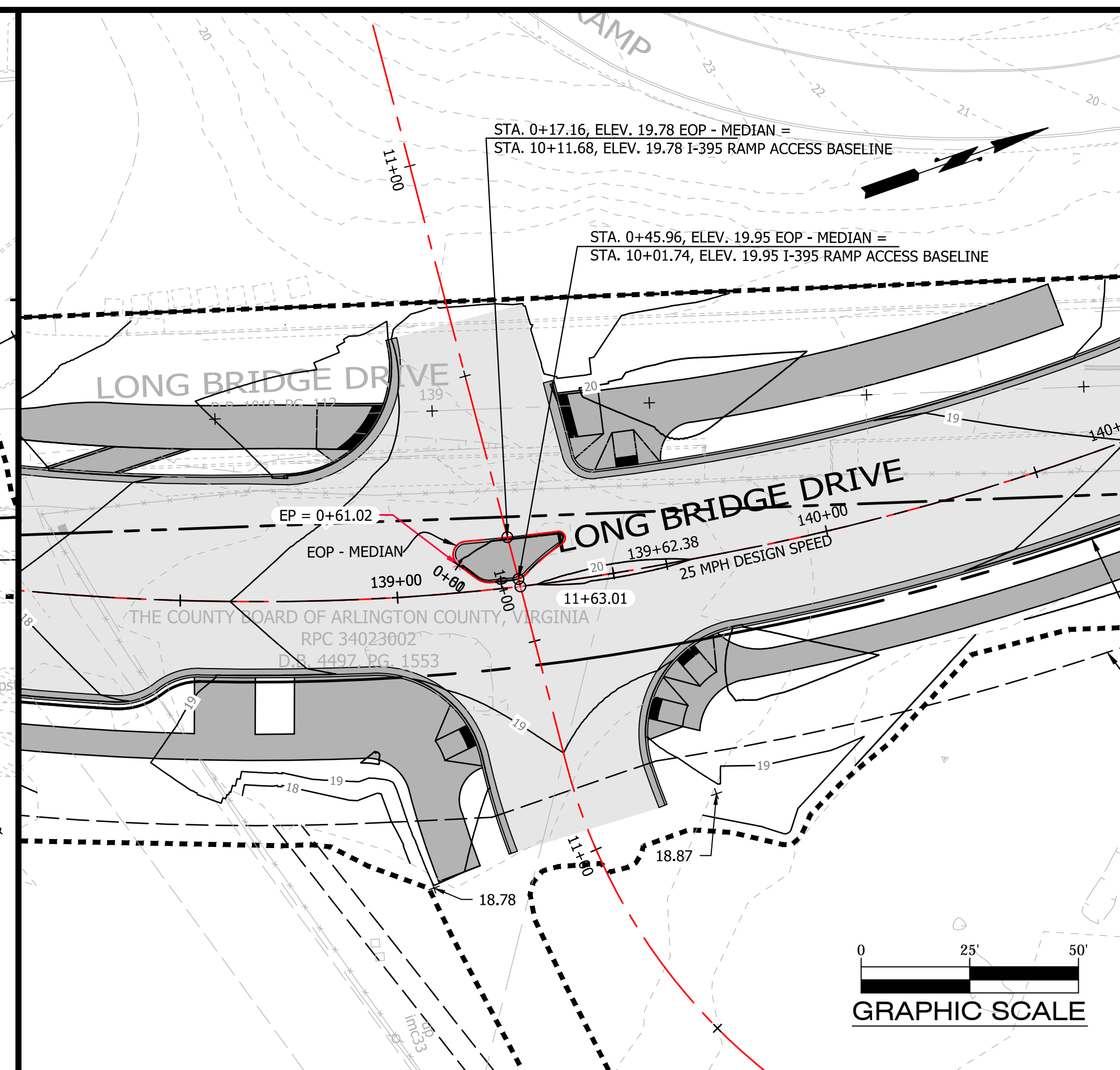
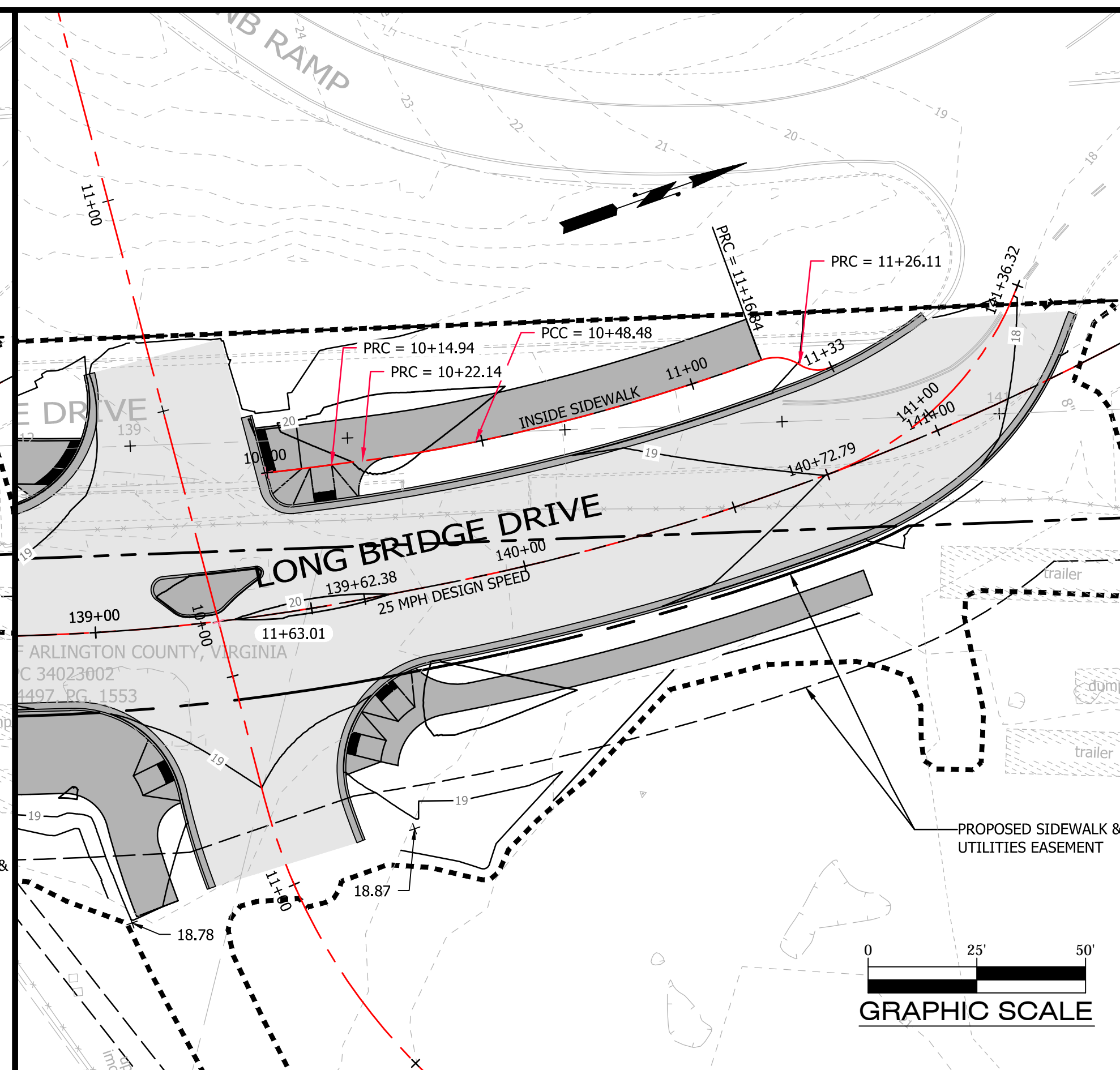
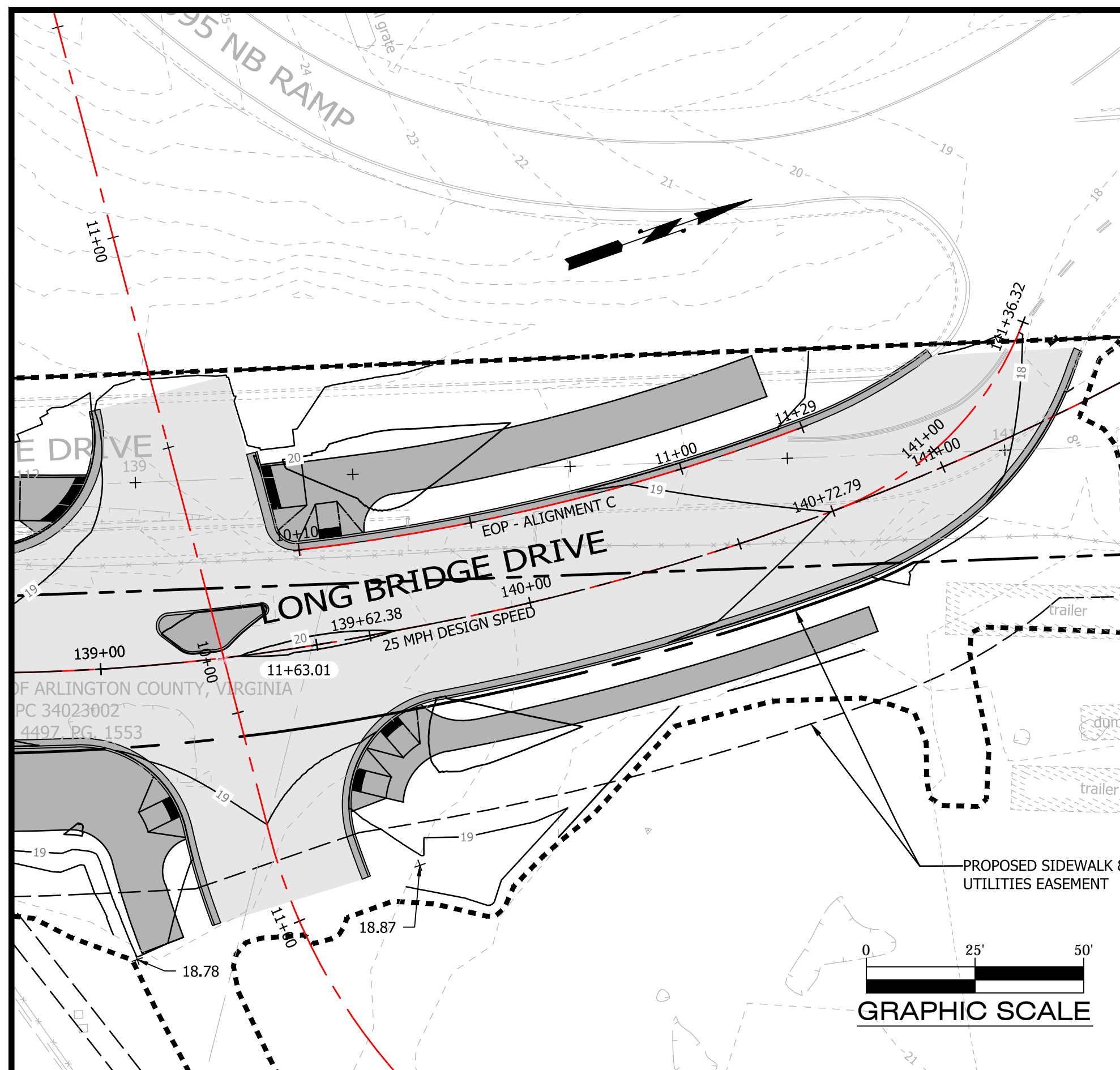
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Plotted: January 06, 2017
Plotted by: Akafle

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Sheet 14 OF 33



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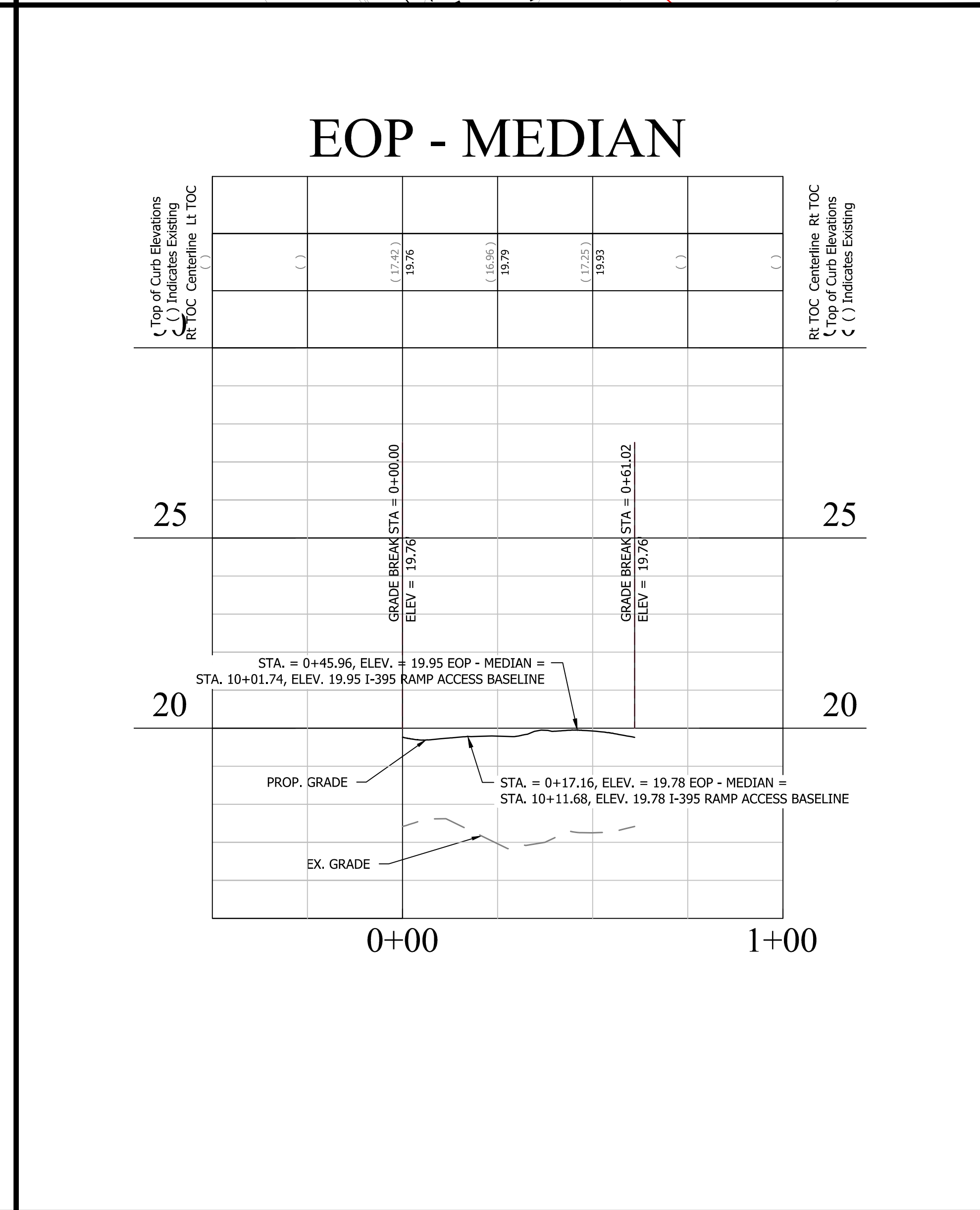
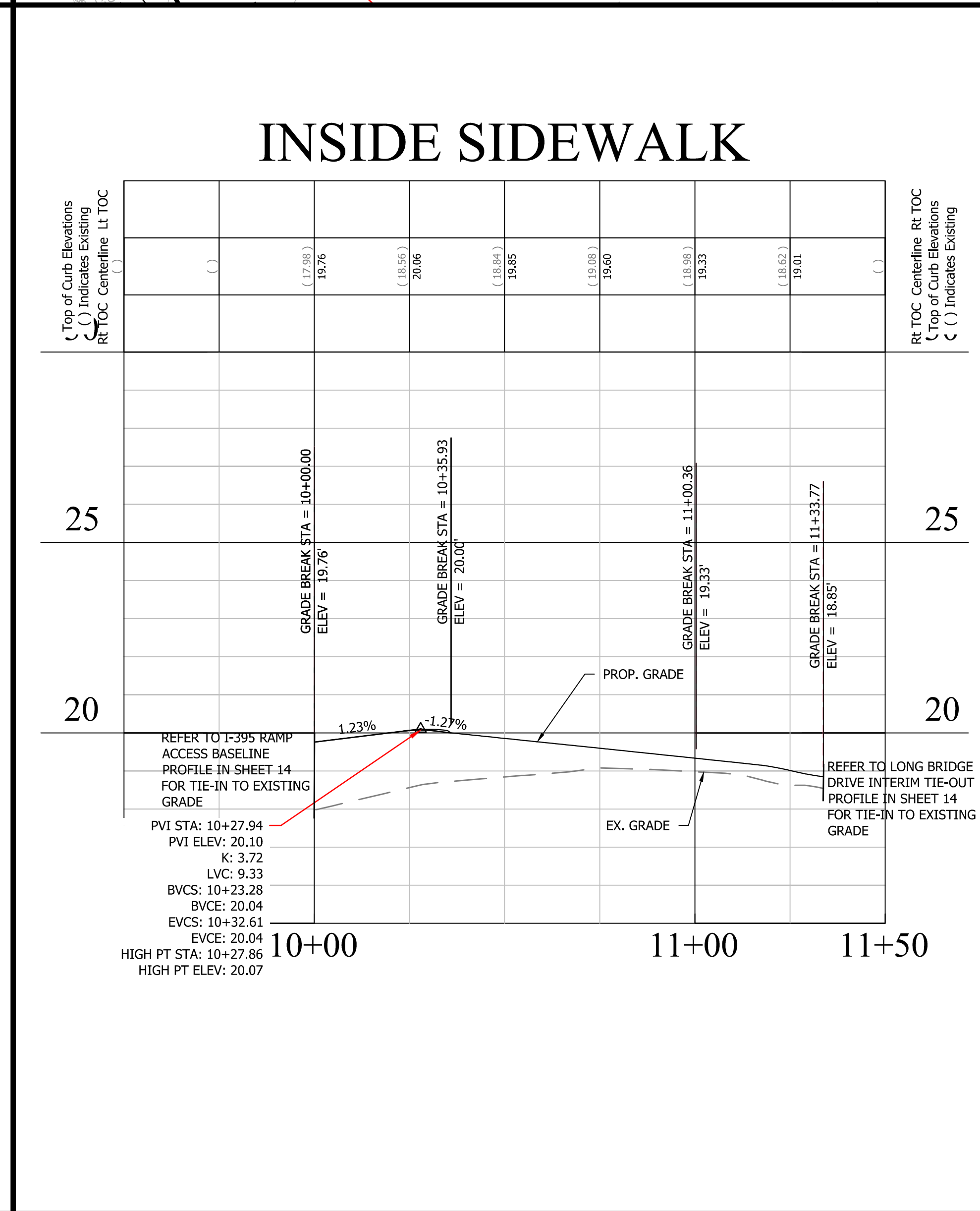
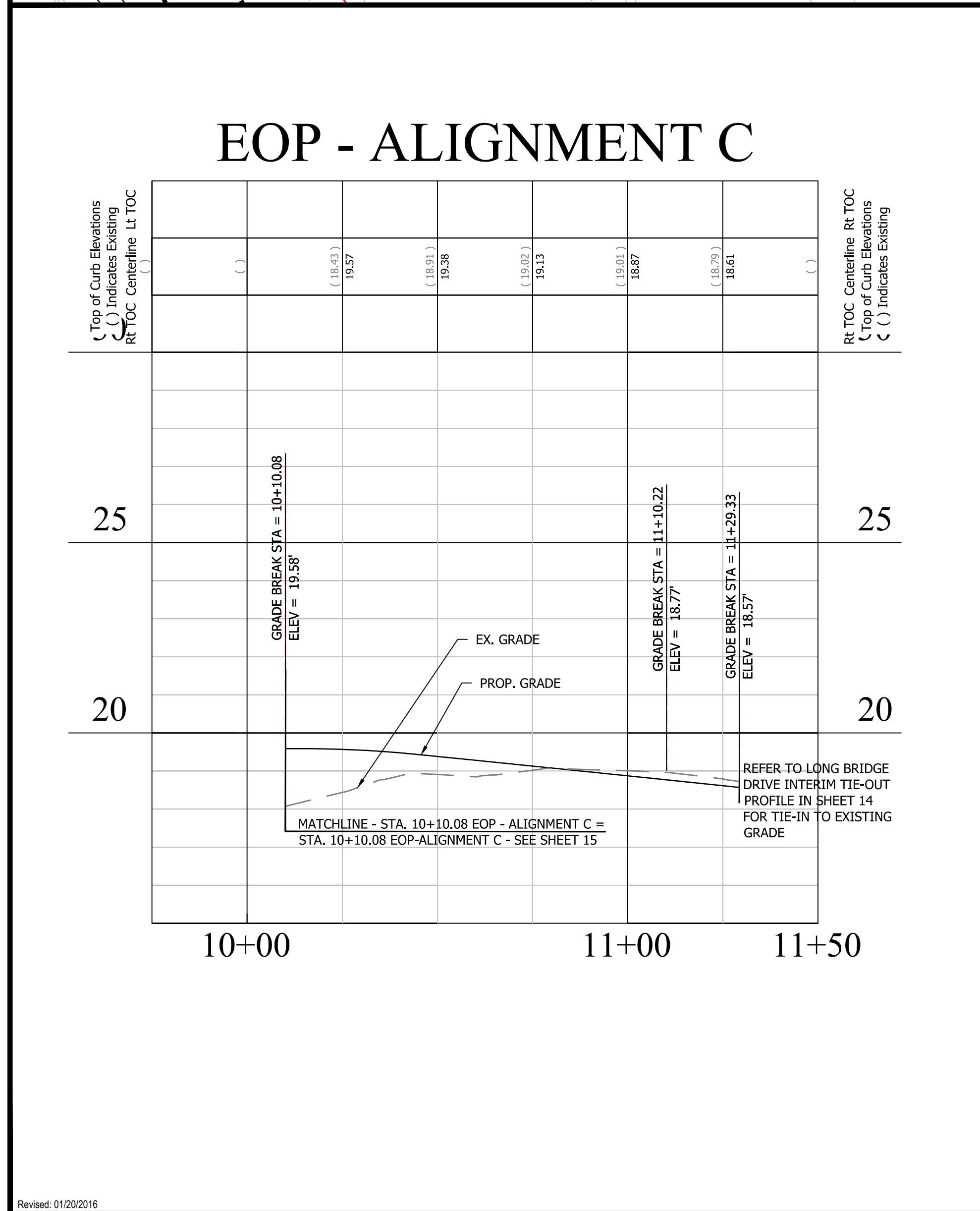
Seal

Approvals

Quality Control Engineer: [Signature] 12/19/2016
Construction Management Supervisor: [Signature] 12/13/16
Water, Sewer Streets Bureau Chief: [Signature] 12/13/16
Transportation Director: [Signature] 12/13/16
Project Manager: [Signature] 12/13/16

Revisions

Revisions	Date



Project Name and Location

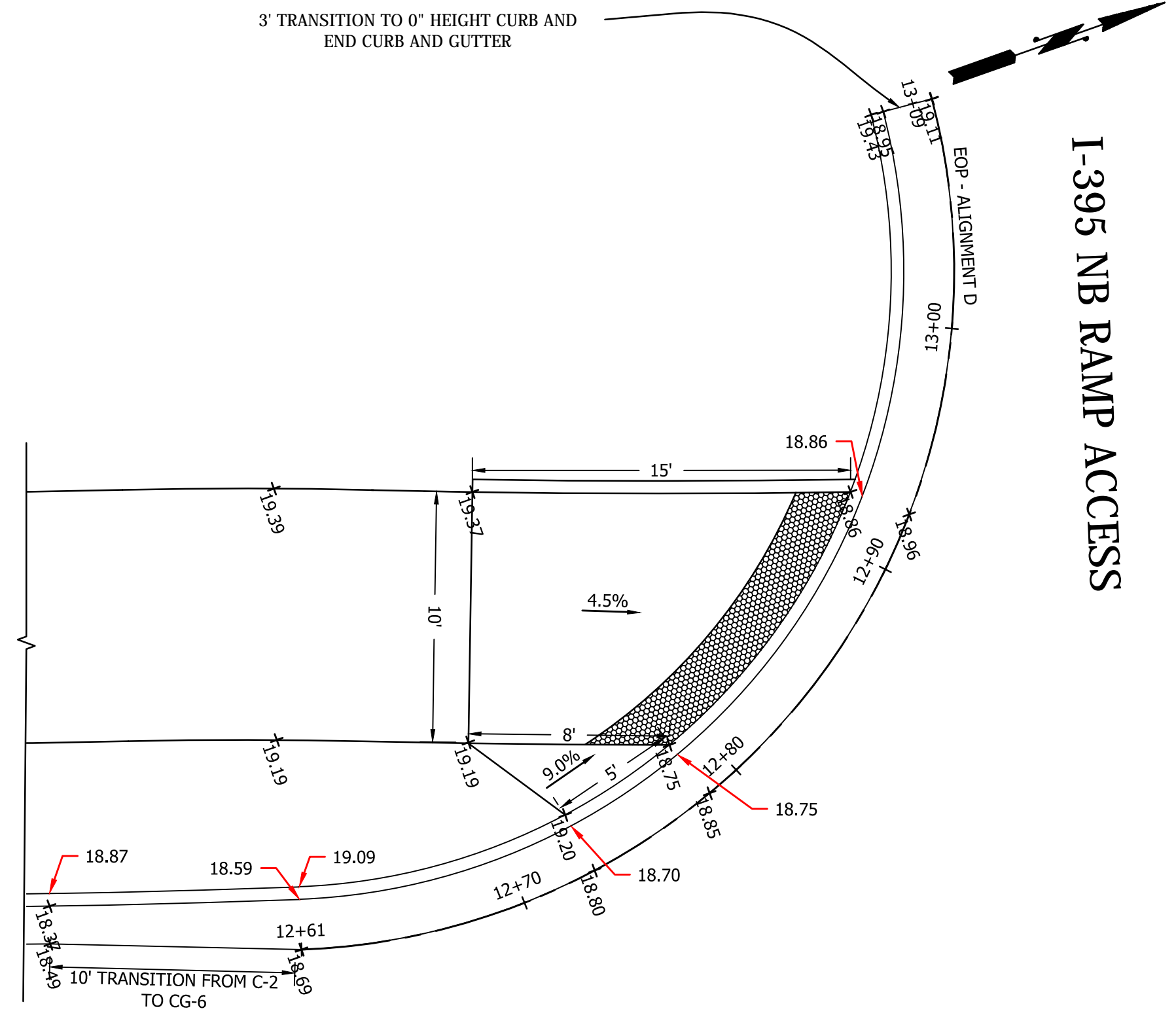
LONG BRIDGE DRIVE
ADDITIONAL PROFILES
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314.43513.D46S.S12.0000

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Drawn: A.K.
Checked: A.C.
Miss Utility Transmittal #: N/A

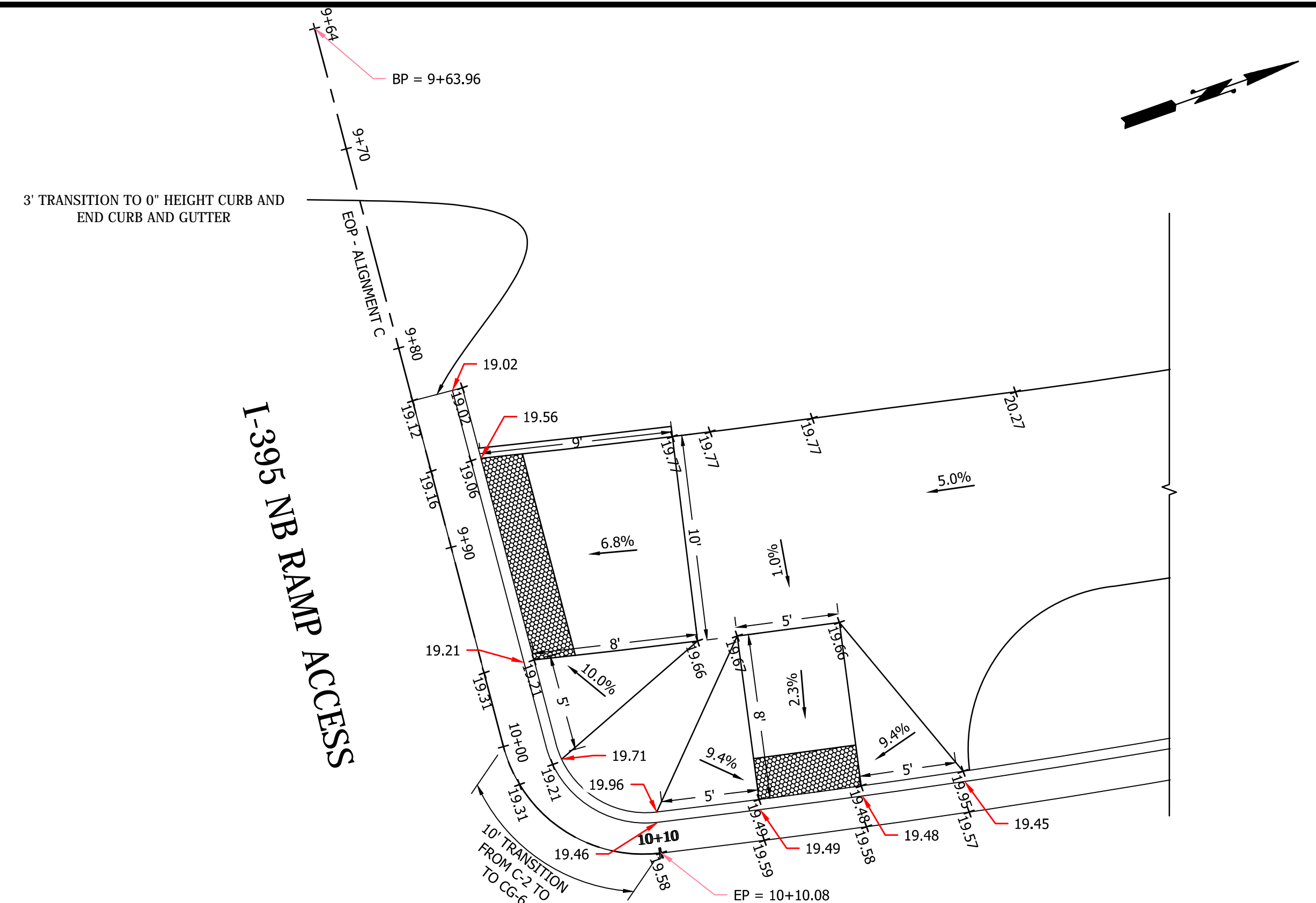
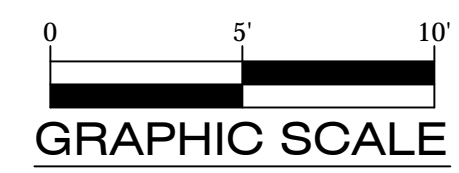
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Plotted by: Akafle

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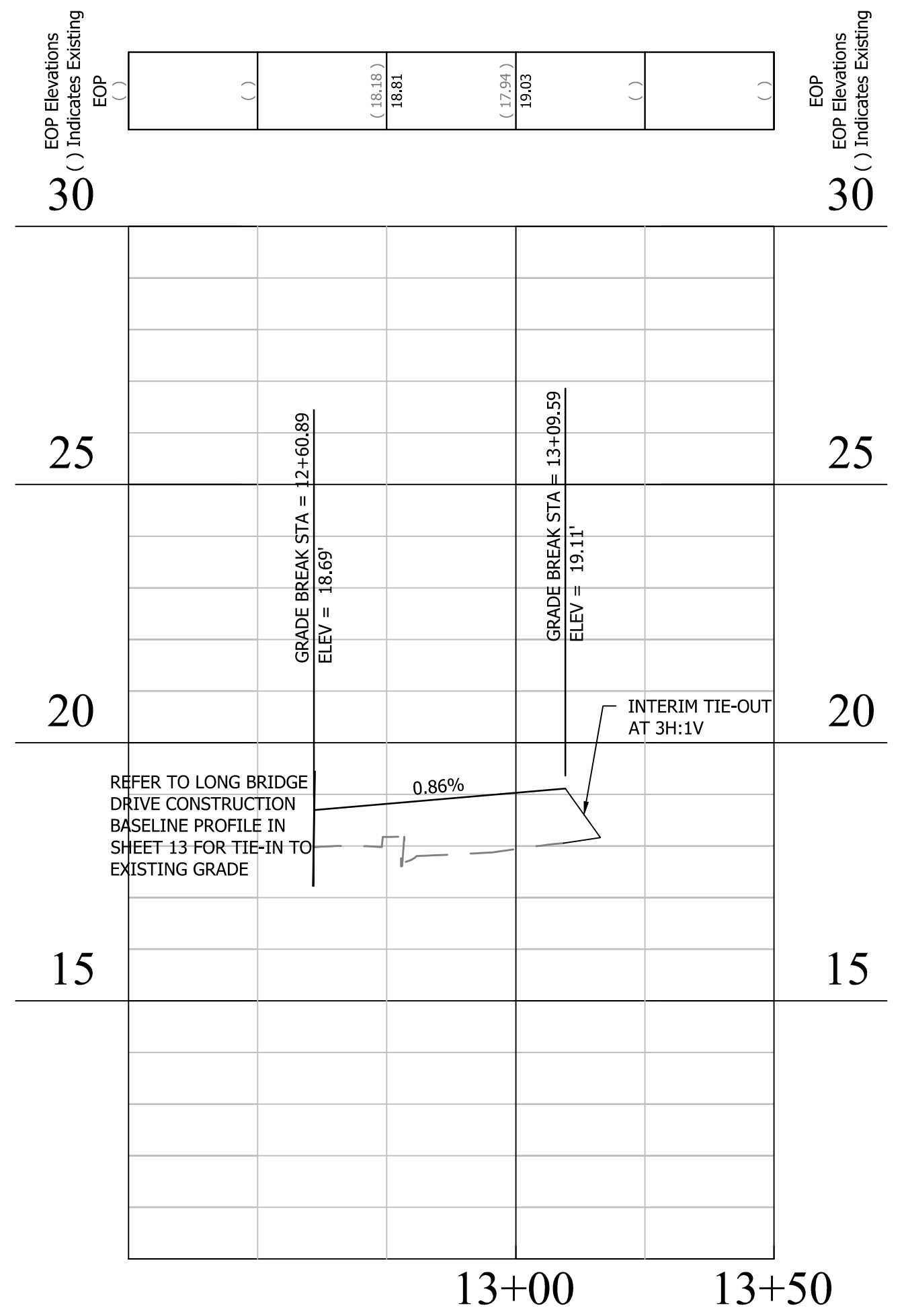
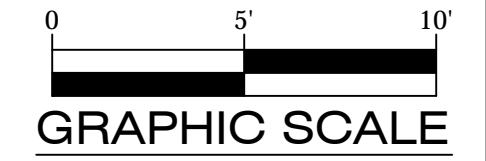
Sheet **14AOF 33**



CR-1 PLAN
SOUTH WEST CORNER OF
LONG BRIDGE DRIVE & I-395 NB RAMP ACCESS

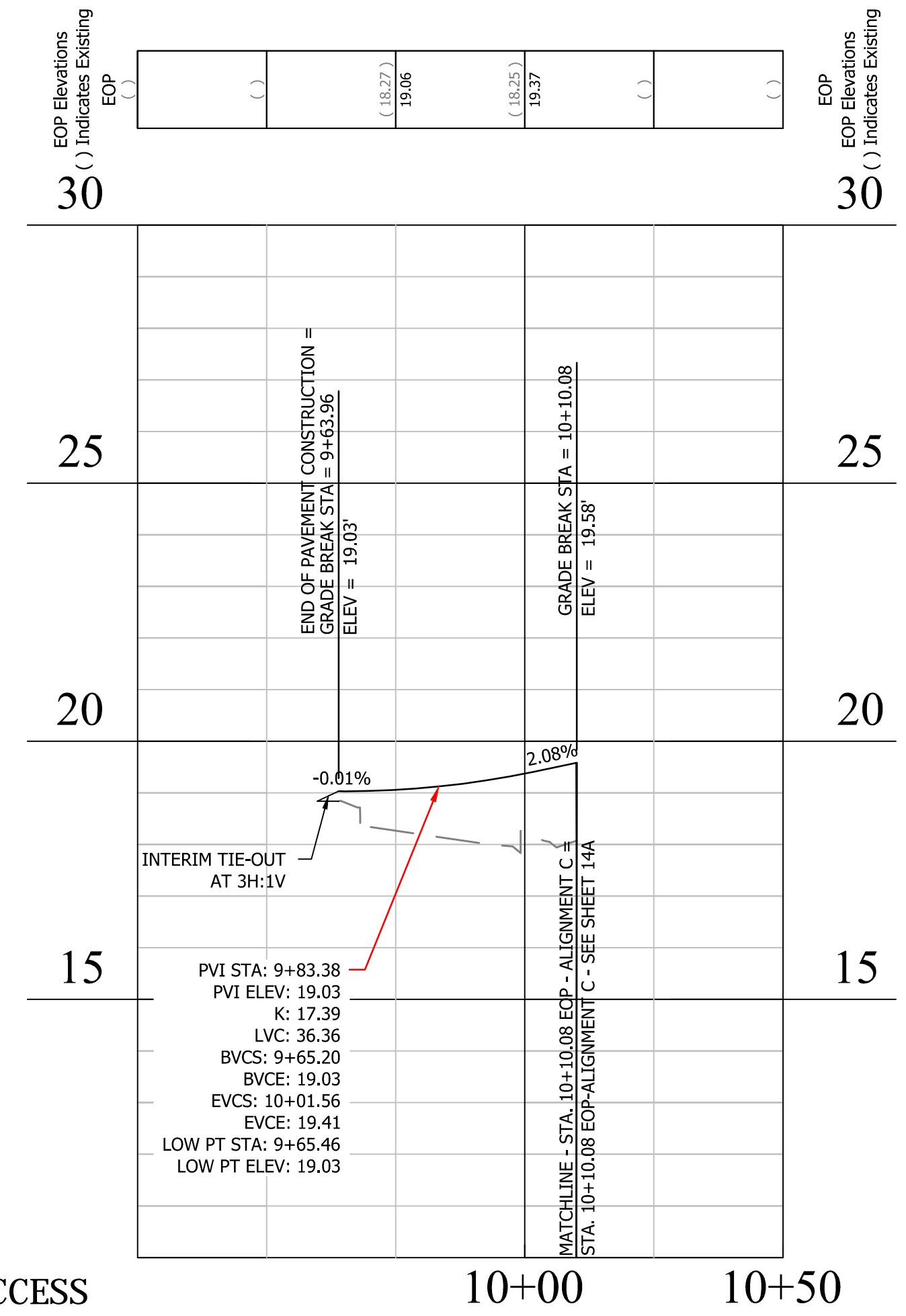


CR-2 PLAN
NORTH WEST CORNER OF
LONG BRIDGE DRIVE & I-395 NB RAMP ACCESS



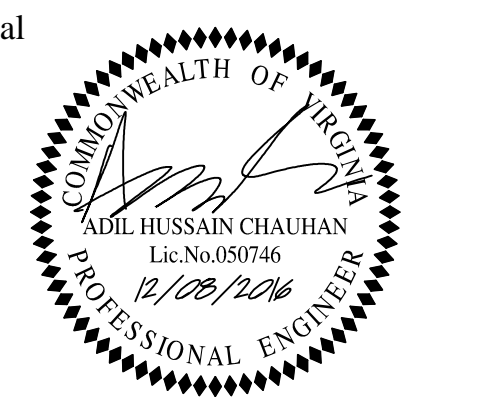
CR-1 PROFILE
SOUTH WEST CORNER OF
LONG BRIDGE DRIVE & I-395 NB RAMP ACCESS

SCALE: HOR. 1" = 25'
VER. 1" = 5'



CR-2 PROFILE
NORTH WEST CORNER OF
LONG BRIDGE DRIVE & I-395 NB RAMP ACCESS

SCALE: HOR. 1" = 25'
VER. 1" = 5'



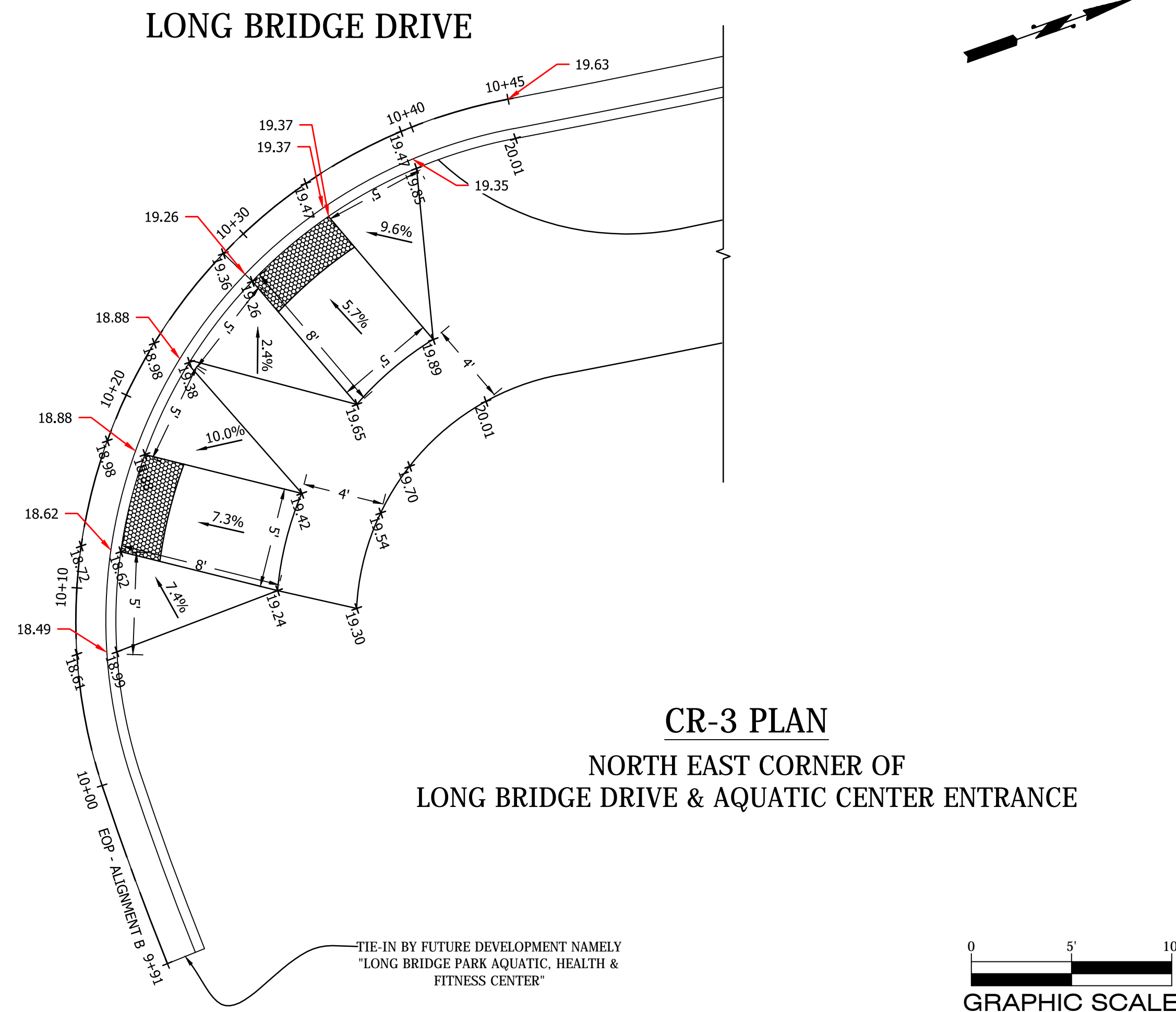
Approvals	Date
<i>[Signature]</i>	12/8/2016
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

Revisions	Date

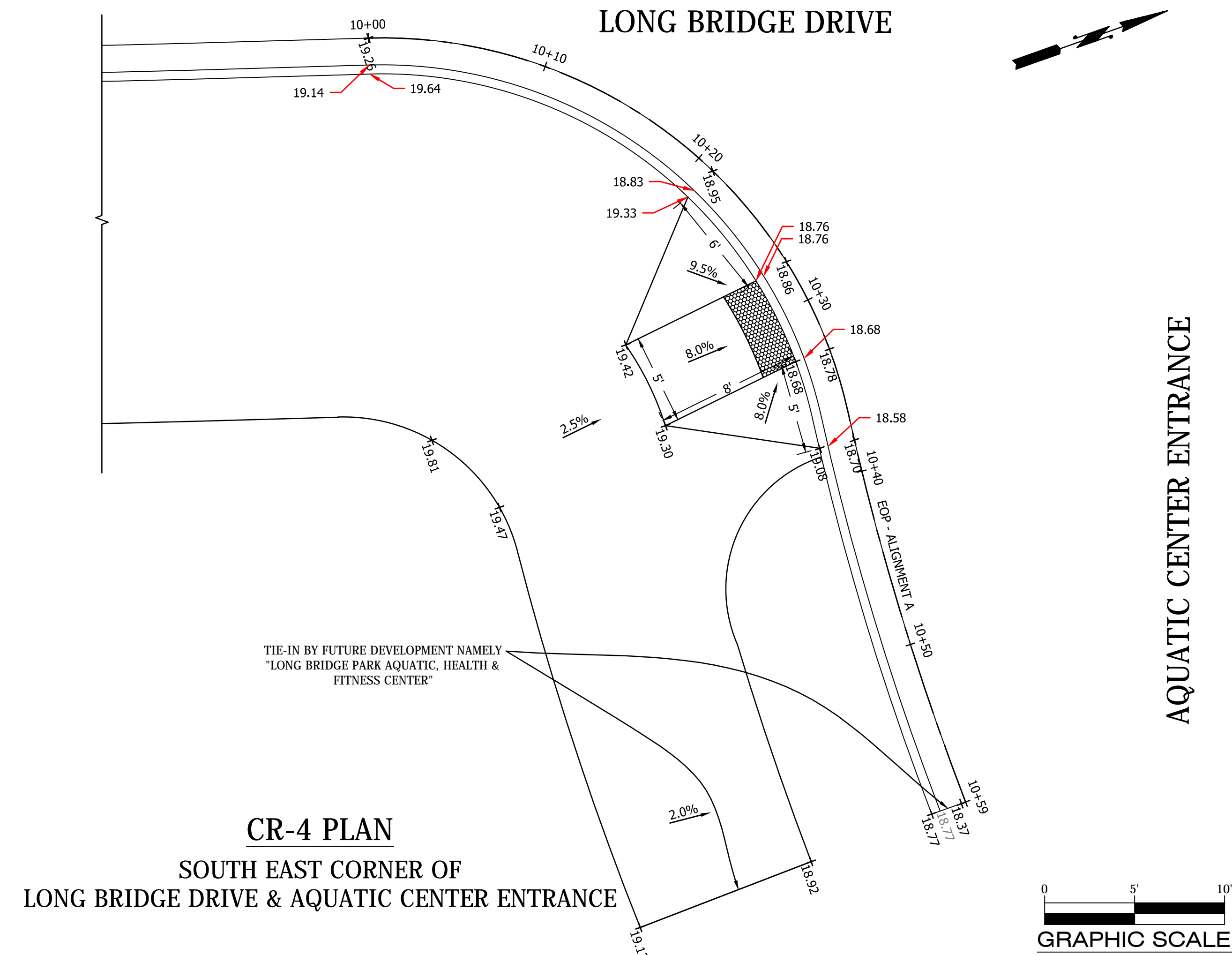
Project Name and Location
LONG BRIDGE DRIVE
CURB RAMP DETAILS - CR-1 & CR-2
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314.43513.DWG.S12.0000

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Plotted: January 06, 2017
Plotted by: Akafie
Scale: AS NOTED

AQUATIC CENTER ENTRANCE



CR-3 PLAN
NORTH EAST CORNER OF
LONG BRIDGE DRIVE & AQUATIC CENTER ENTRANCE



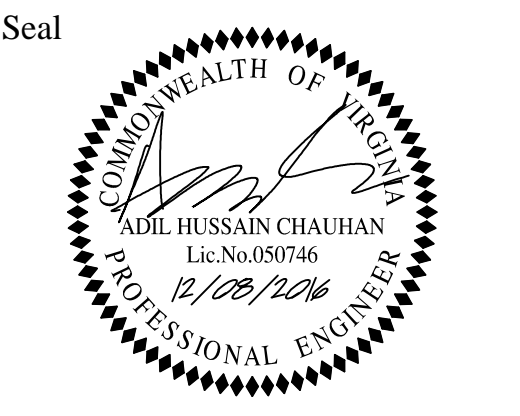
CR-4 PLAN
SOUTH EAST CORNER OF
LONG BRIDGE DRIVE & AQUATIC CENTER ENTRANCE

AQUATIC CENTER ENTRANCE



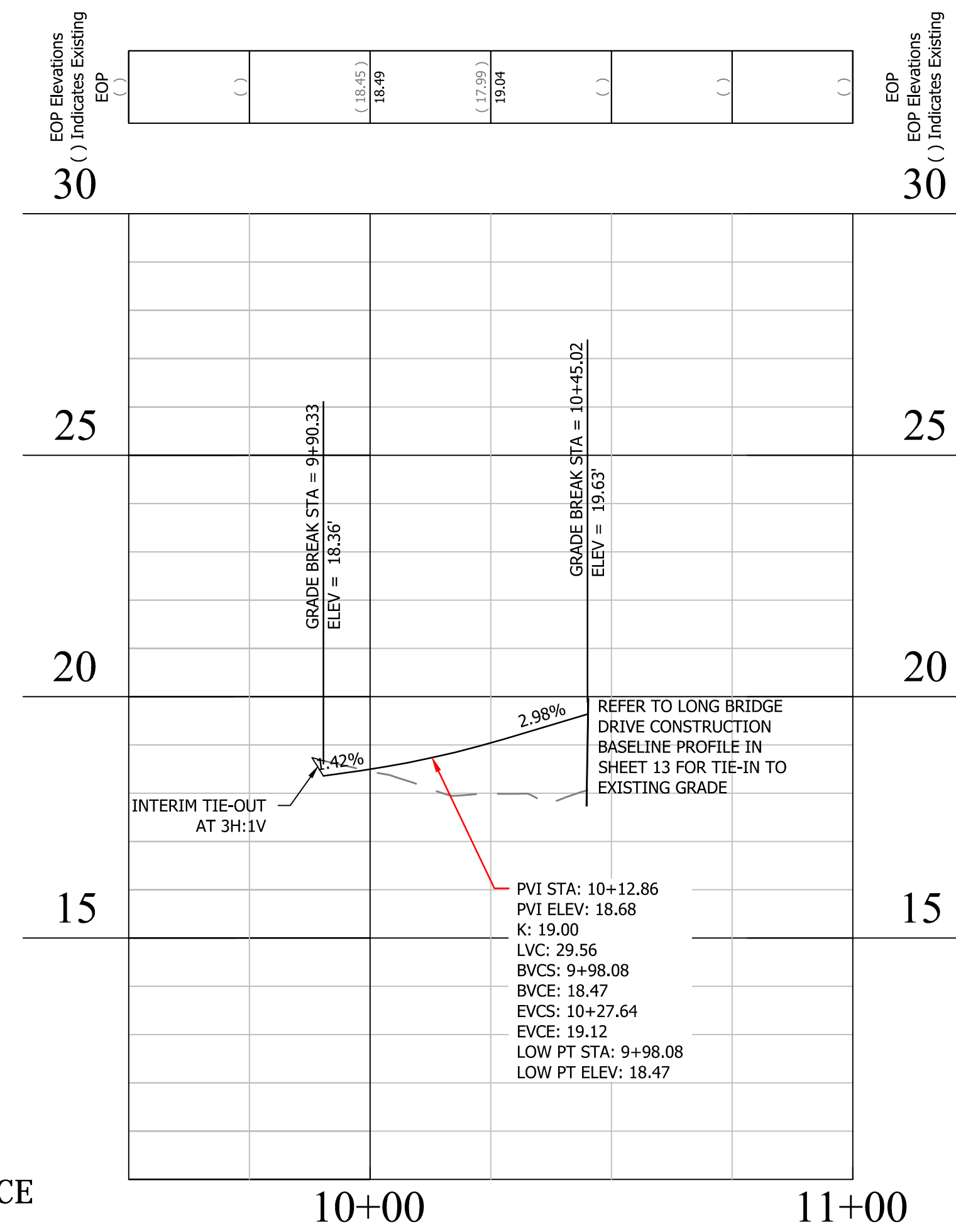
DEPARTMENT OF ENVIRONMENTAL SERVICES

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Engineering Bureau
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Arlington, VA 22201
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Fax: 703.228.3606
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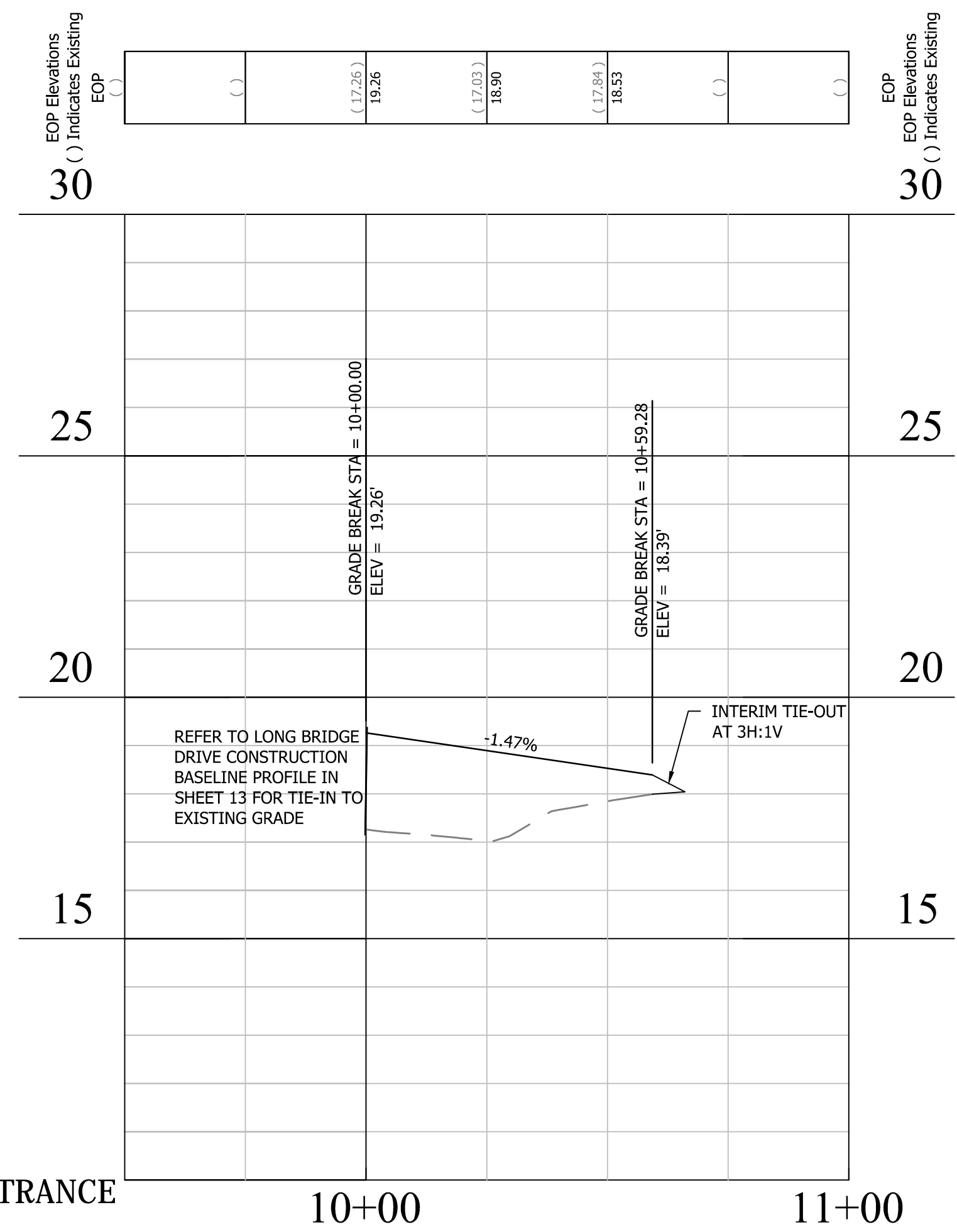


Approvals	Date
<i>[Signature]</i>	12/19/2016
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

Revisions	Date



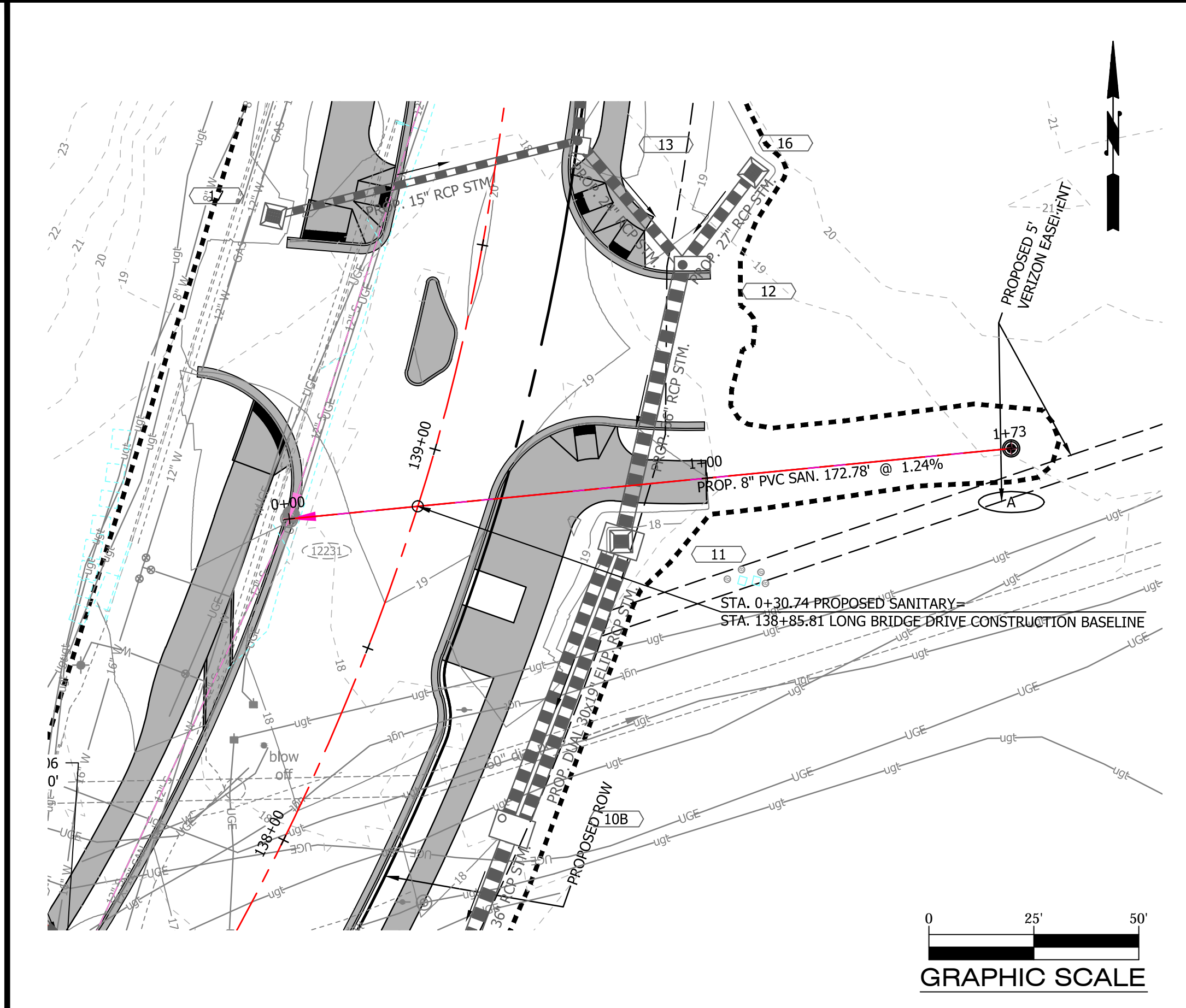
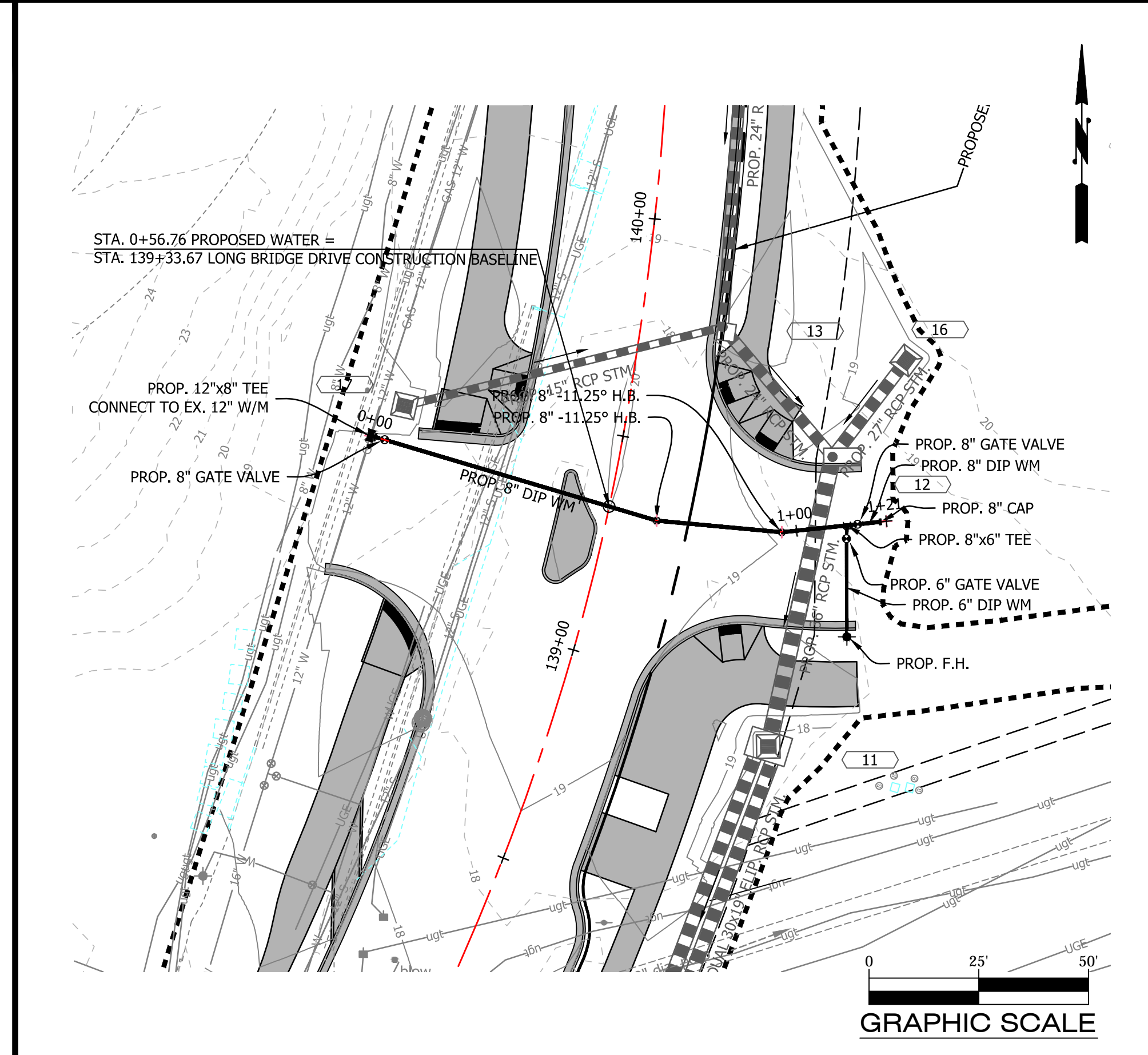
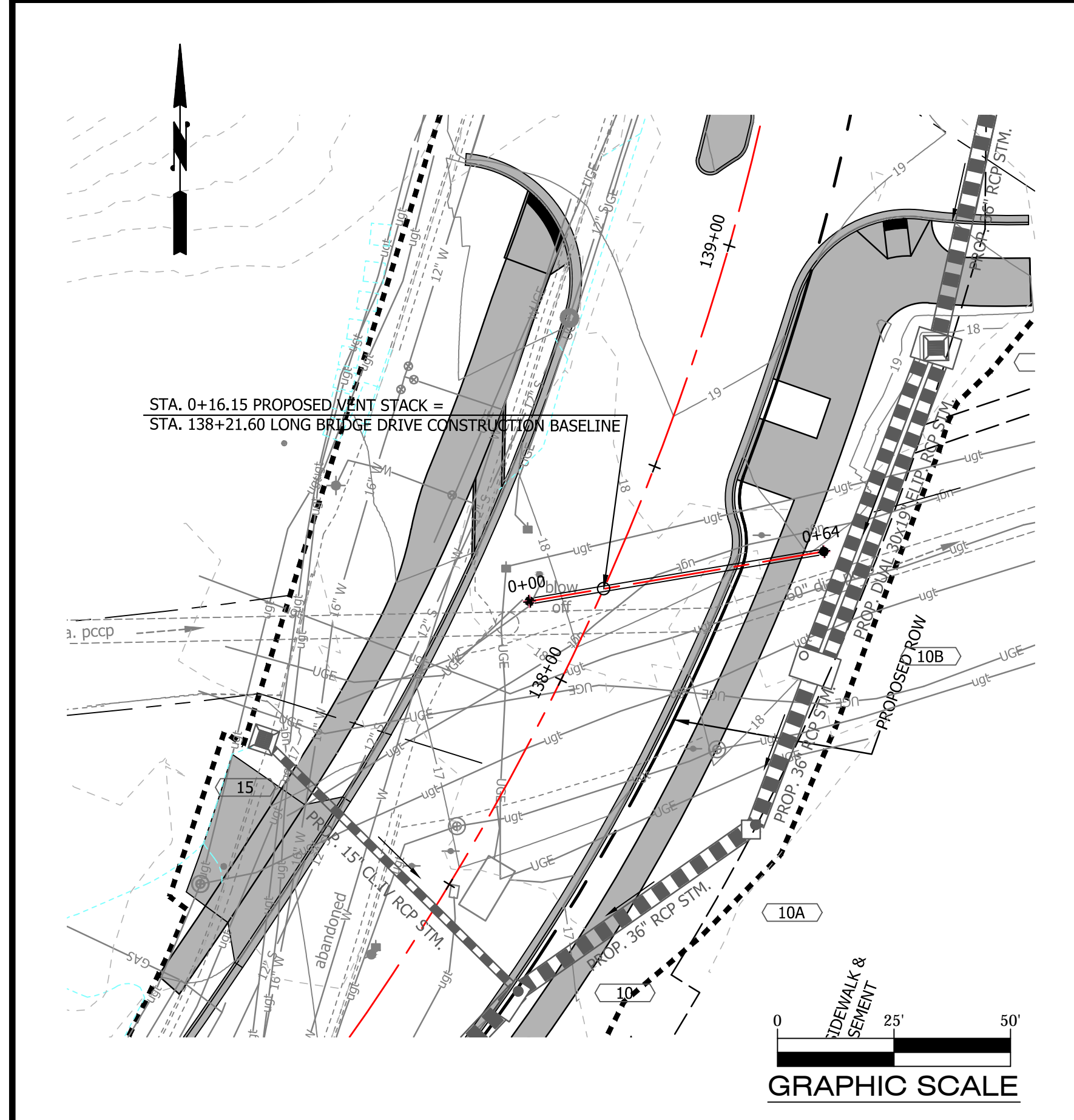
CR-3 PROFILE
NORTH EAST CORNER OF
LONG BRIDGE DRIVE & AQUATIC CENTER ENTRANCE
SCALE: HOR. 1" = 25'
VER. 1" = 5'



CR-4 PROFILE
SOUTH EAST CORNER OF
LONG BRIDGE DRIVE & AQUATIC CENTER ENTRANCE
SCALE: HOR. 1" = 25'
VER. 1" = 5'

Project Name and Location
LONG BRIDGE DRIVE
CURB RAMP DETAILS - CR-3 & CR-4
LONG BRIDGE DRIVE / BOUNDARY
CHANNEL DRIVE/ I-395 INTERCHANGE
ROAD REALIGNMENT
314.43513.DWG.S12.0000

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DEPARTMENT OF ENVIRONMENTAL SERVICES

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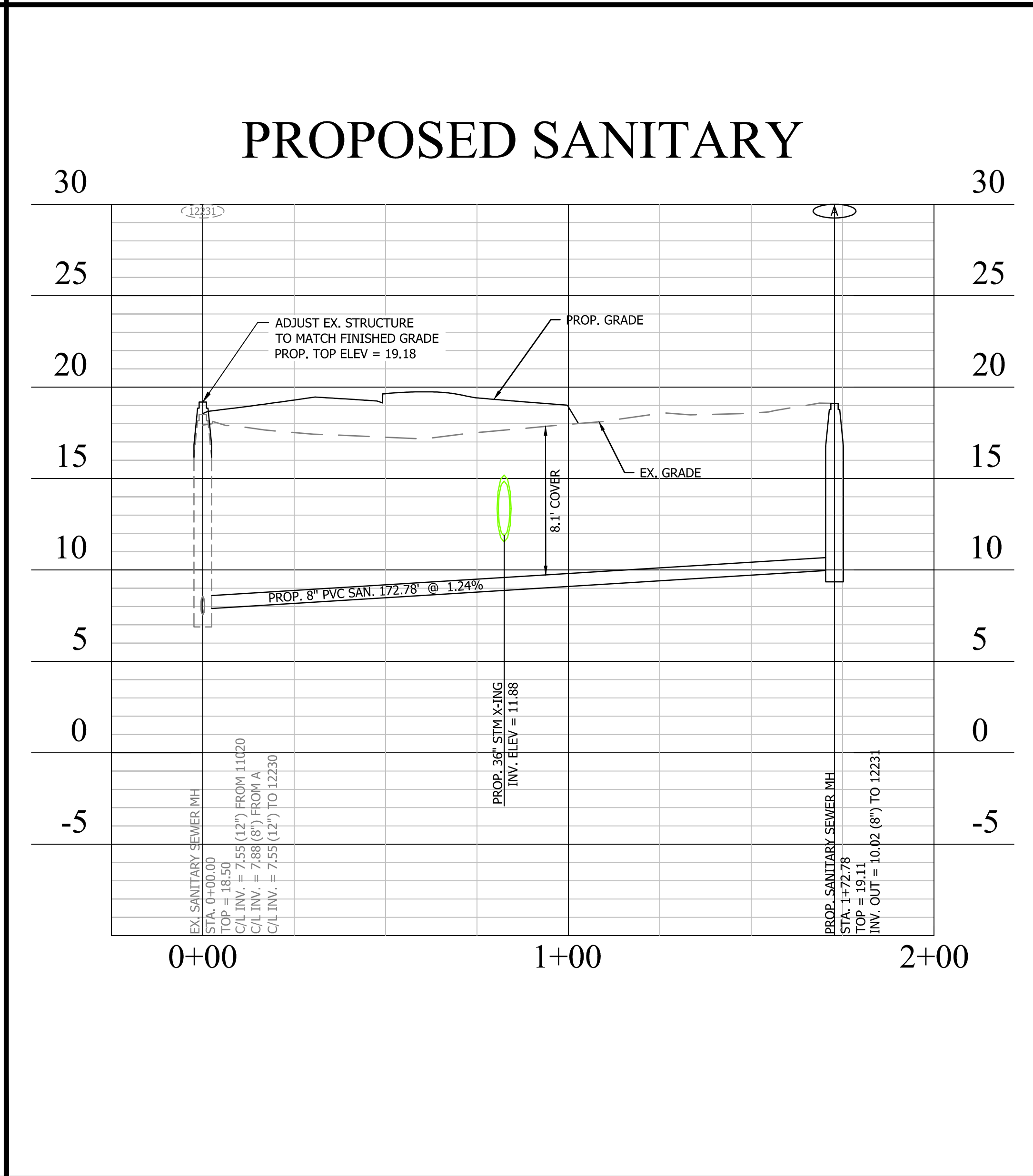
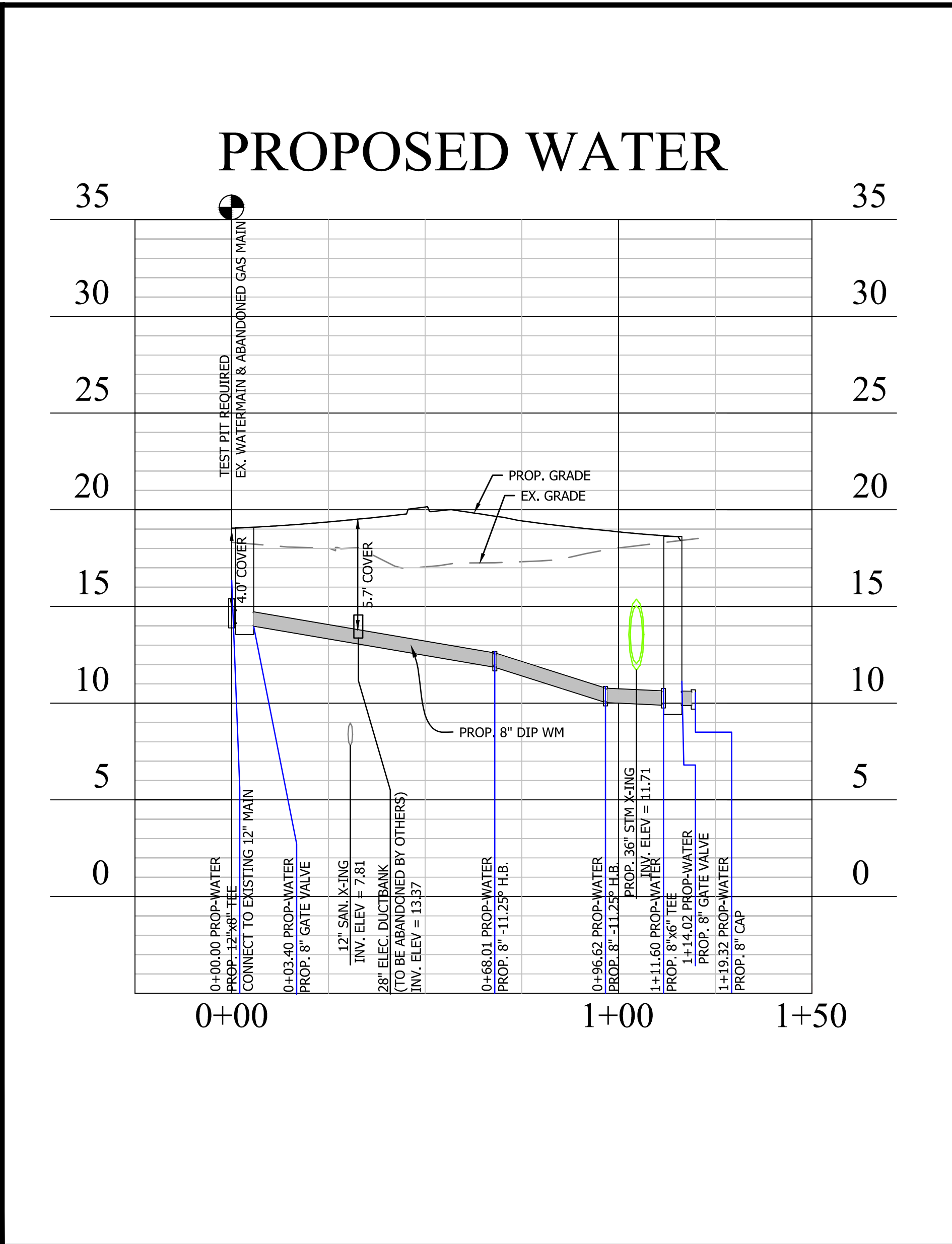
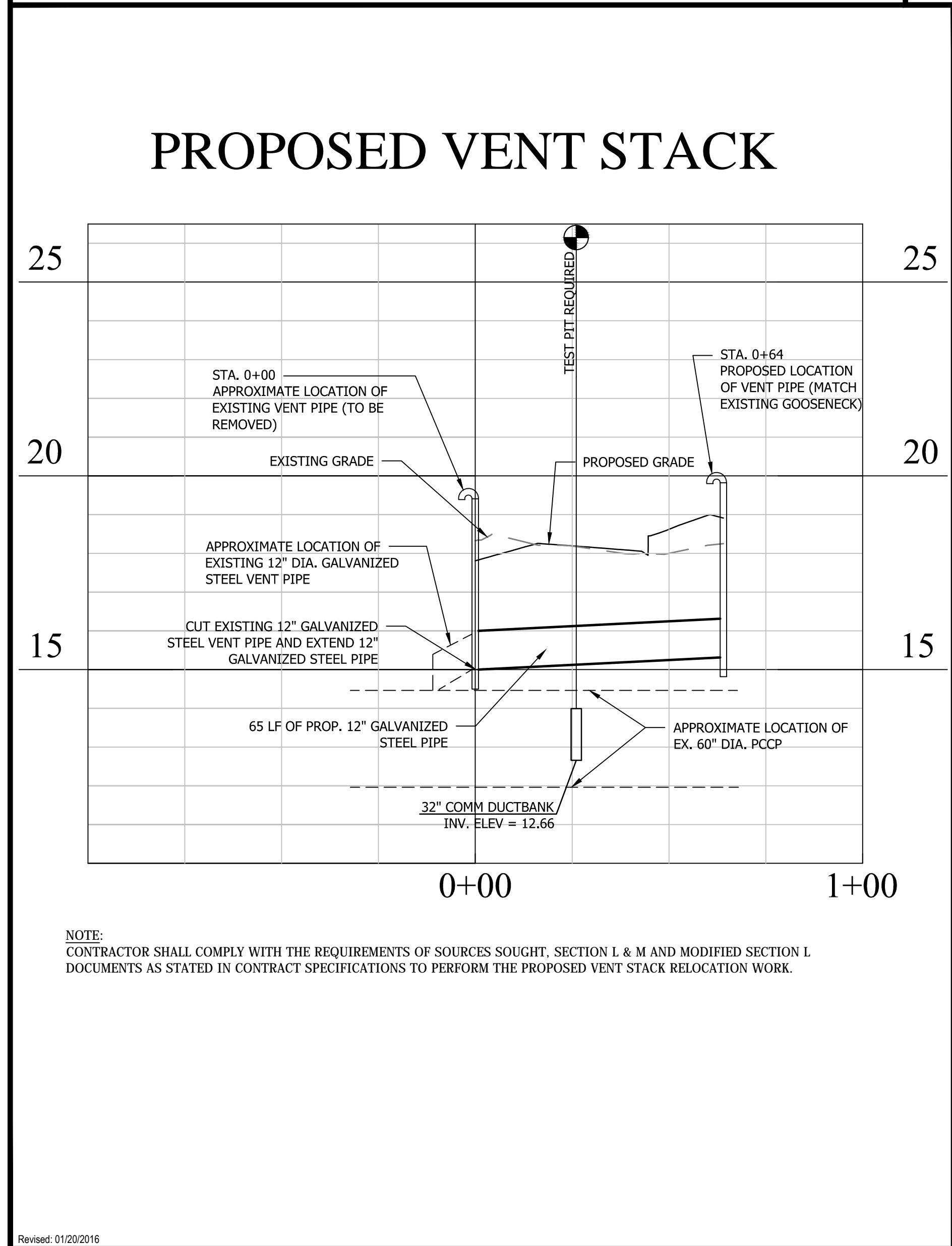
Seal

Approvals

Quality Control Engineer: [Signature] 12/19/2016
Construction Management Supervisor: [Signature] 12/13/16
Water, Sewer Streets Bureau Chief: [Signature] 12/13/16
Transportation Director: [Signature] 12/13/16
Project Manager: [Signature] 12/13/16

Revisions

Revisions	Date



Project Name and Location

LONG BRIDGE DRIVE
VENT STACK, WATER, SANITARY - PROFILE
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314-45313.DWG, S12.0000

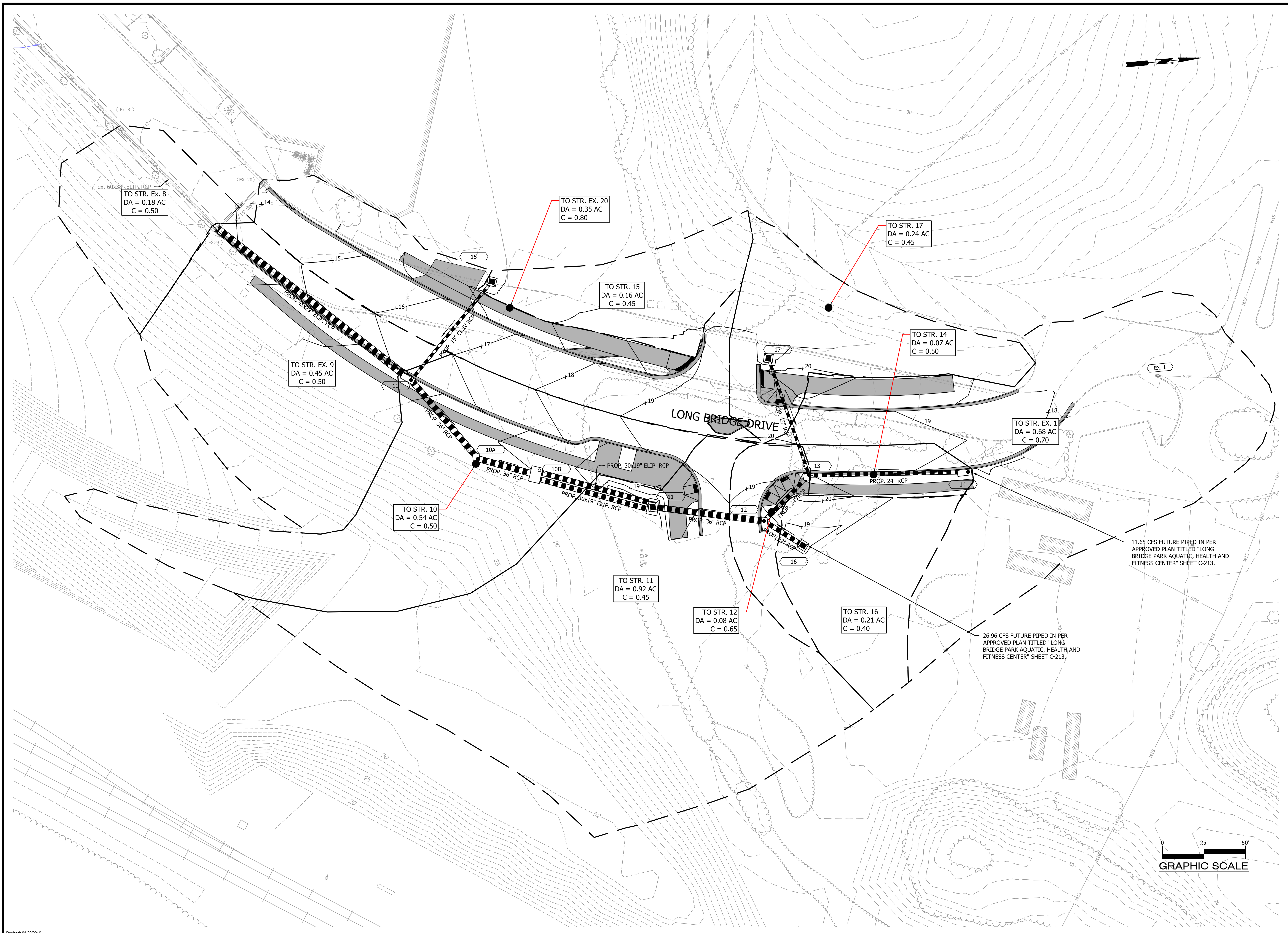
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Miss Utility Transmittal #: N/A

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Plotted by: Akafie

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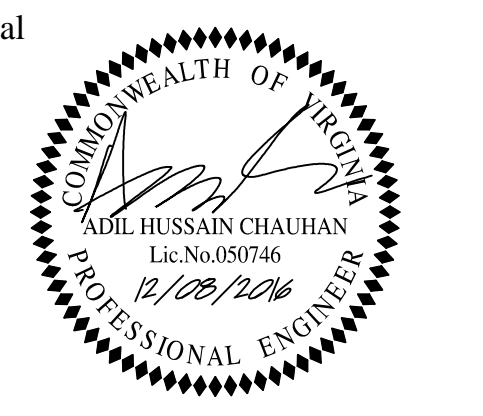
Sheet

16 OF 33



DEPARTMENT OF ENVIRONMENTAL SERVICES

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 Arlington, VA 22201
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Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/19/16
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

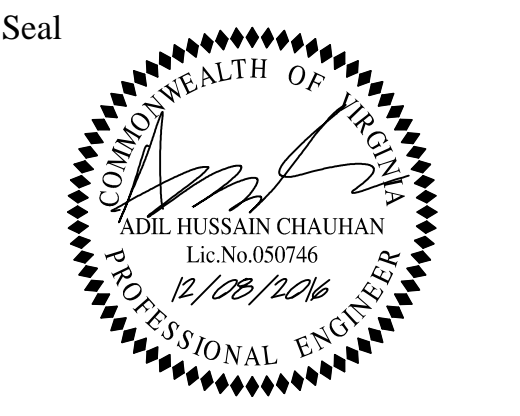
Revisions	Date

LONG BRIDGE DRIVE
 DRAINAGE DIVIDES
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.43513.D46S.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
 Filename: D28S-Divides.dwg
 Path: Q:\Data\28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle

Scale: H: 1"=25'
 GRAPHIC SCALE

Revised: 01/20/2016
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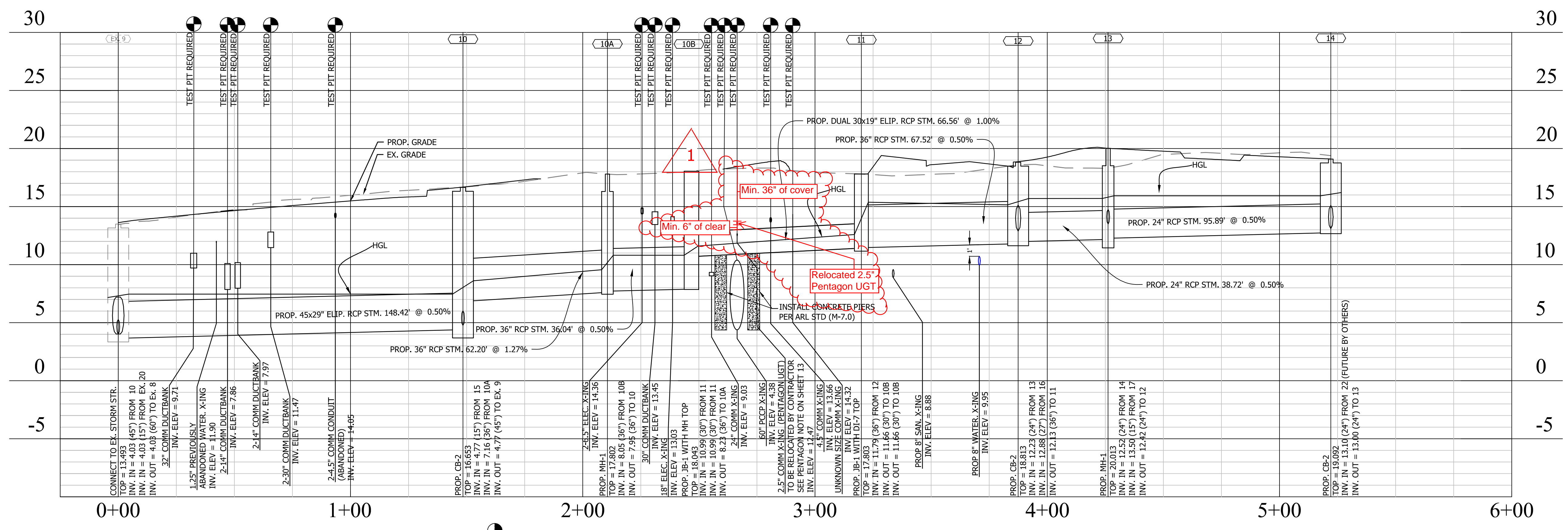


Approvals
 [Signature] 2/18/2016
 QUALITY CONTROL ENGINEER
 [Signature] 12/13/16
 CONSTRUCTION MANAGEMENT SUPERVISOR
 [Signature] 12/13/16
 WATER, SEWER, STREETS BUILDING CHIEF
 [Signature] 12/13/16
 TRANSPORTATION DIRECTOR
 [Signature] 12/13/16
 PROJECT MANAGER

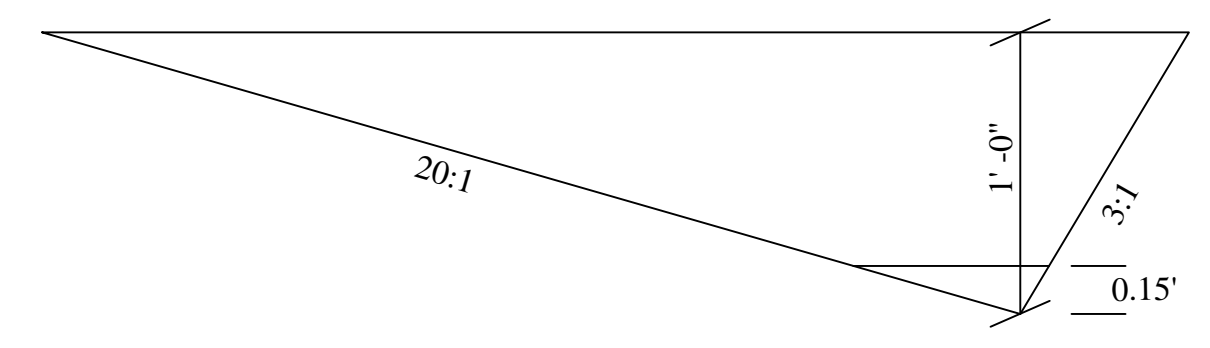
Revisions	Date
REVISED RELOCATED PENTAGON UGT LOCATION	03/15/17

LONG BRIDGE DRIVE
STORM SEWER PROFILES
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
314.43513.D46S.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
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 Plotted by: Akafle
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 V: 1"=5'

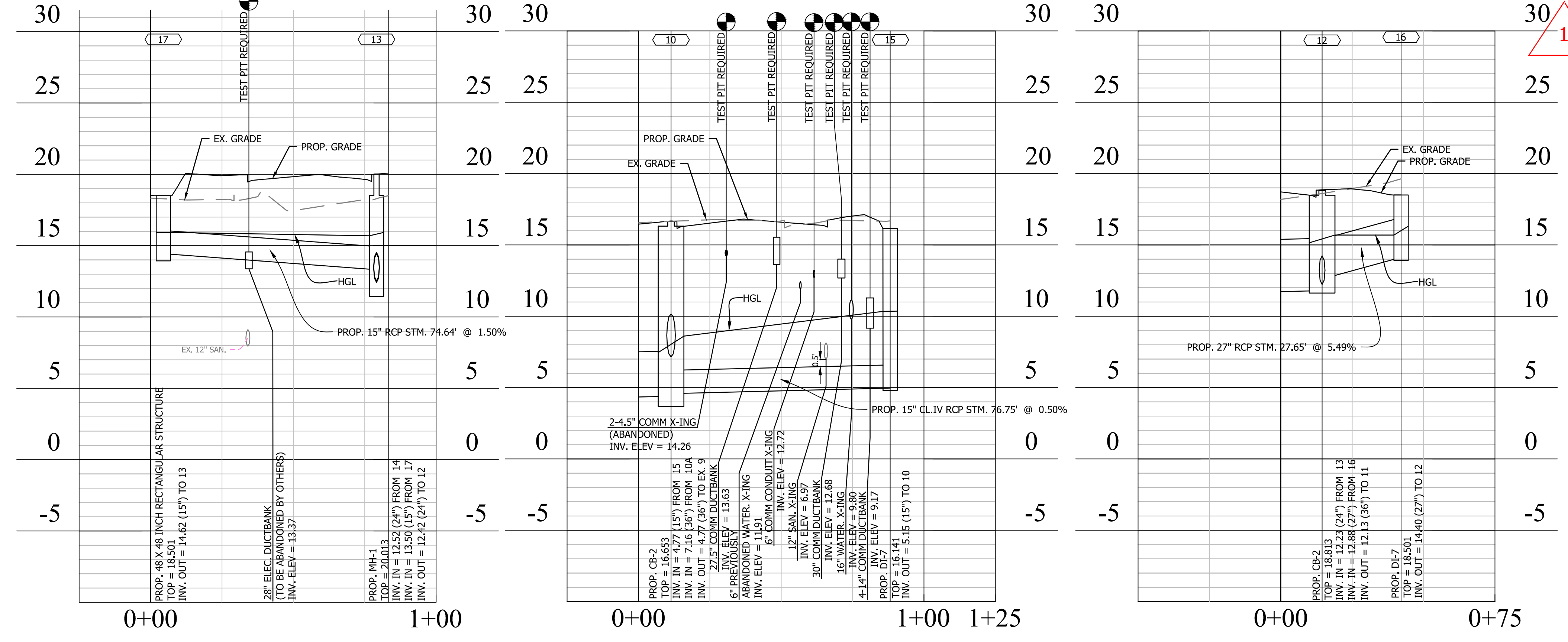


SECTION A-A

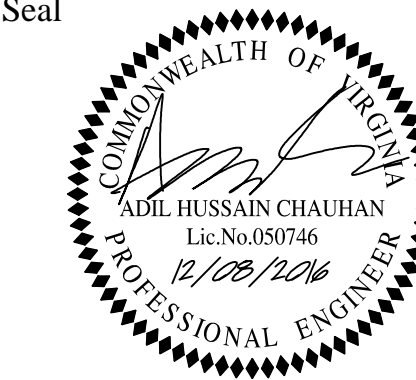


TRIANGULAR GRASS SWALE
 SIDE SLOPES (Z:1) = 20.00, 3.00
 DEPTH = 1.0 (FT)
 SLOPE = 2.10%
 N VALUE = 0.035 (SHORT GRASS)
 Q2 = 0.21 CFS
 V2 = 0.93 FT/S
 DEPTH (2) = 0.14
 Q10 = 0.27 CFS
 V10 = 1.04 FT/S
 DEPTH (10) = 0.15 FT

GRASS DRAINAGE SWALE
NOT TO SCALE

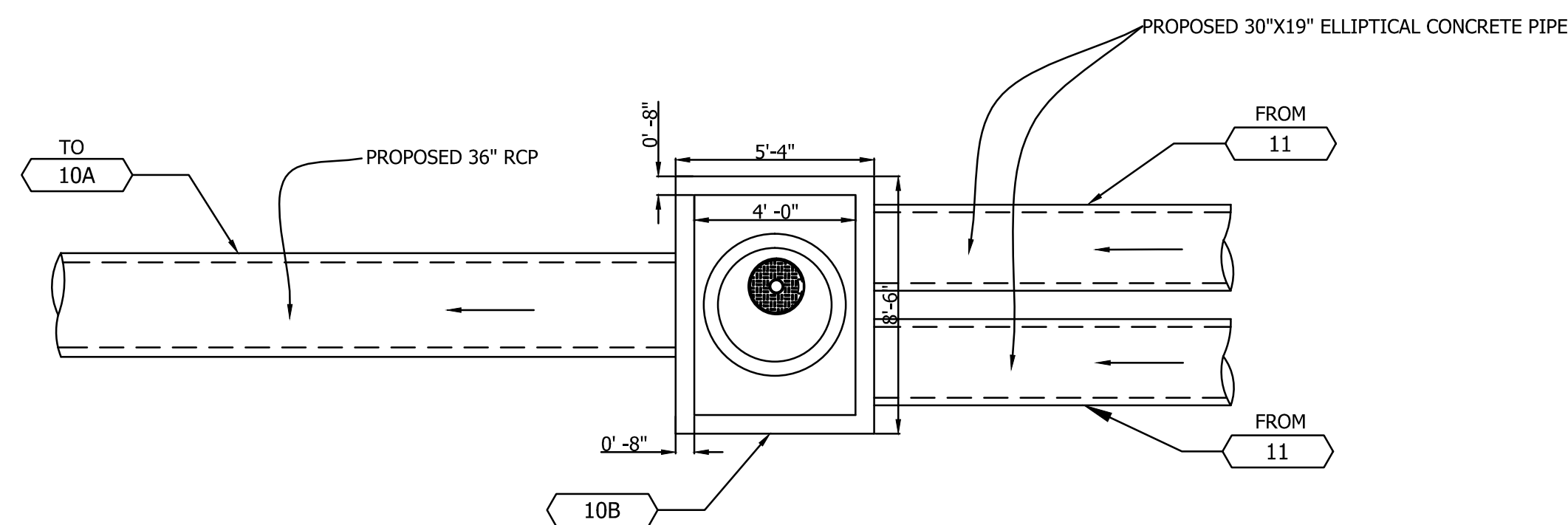


Seal



GENERAL NOTES:

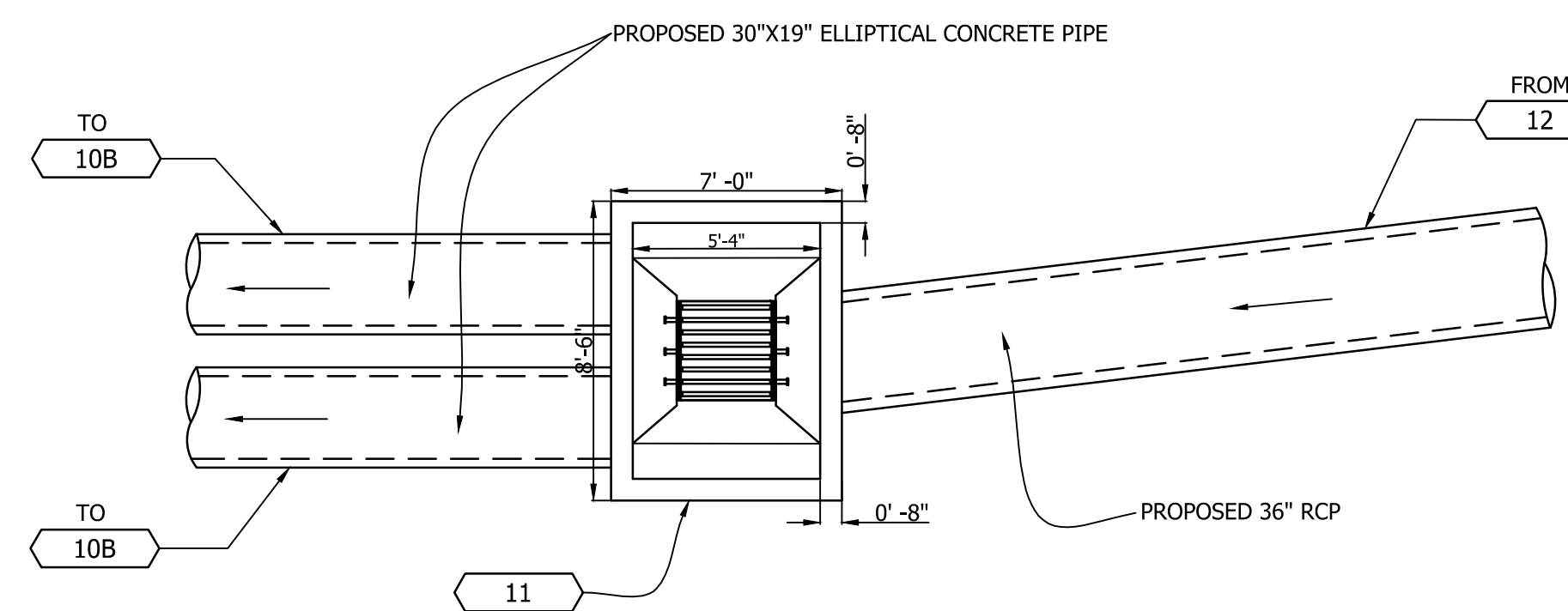
1. THE PLAN VIEW OF MODIFIED STRUCTURES ARE FOR REFERENCE PURPOSES ONLY NOT FOR CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR COUNTY ENGINEER'S REVIEW BEFORE CONSTRUCTION.
2. THE CONTRACTOR SHALL FIELD VERIFY REQUIRED DIMENSIONS PRIOR TO ORDER/FABRICATION.
3. MODIFIED STRUCTURE DETAILS SHALL BE PER VDOT ROAD & BRIDGE STANDARD PLAN FOR JB-1 & DI-7.
4. PLEASE REFER TO SHEET 19 FOR HEIGHT OF COVER FROM THE TOP OF THE PIPE TO FINISHED GRADE AND INVERT ELEVATIONS.
5. PLEASE REFER ARLINGTON COUNTY'S CONSTRUCTION SPECIFICATION SECTION 02500-PART 3.2.C FOR RCP'S CLASS REQUIREMENTS.



STRUCTURE 10B DETAIL

MODIFIED JUNCTION BOX (JB-1) WITH TYPE A TOWER AND MANHOLE TOP

SCALE: N.T.S



STRUCTURE 11 DETAIL

MODIFIED JUNCTION BOX (JB-1) WITH TYPE A TOWER AND DI-7 TOP

SCALE: N.T.S

Approvals Date

<i>[Signature]</i>	12/8/2016
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

Revisions Date

Project Name and Location

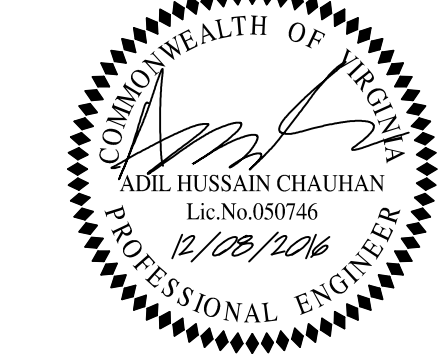
LONG BRIDGE DRIVE
 STORM SEWER DETAILS
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.435.13.1.468.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A

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 Plotted: January 06, 2017
 Plotted by: Akafle

Scale: AS NOTED

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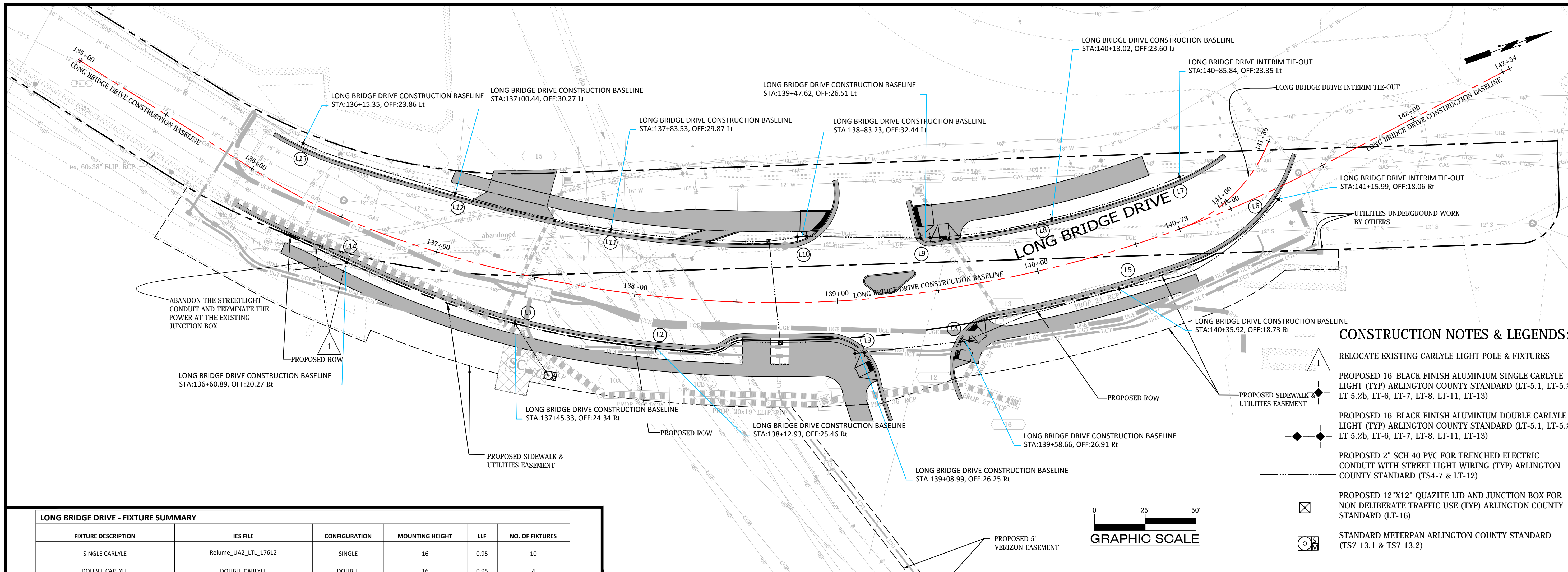


Approvals Date

[Signature] 12/13/16
 QUALITY CONTROL ENGINEER
 [Signature] 12/13/16
 CONSTRUCTION MANAGEMENT SUPERVISOR
 [Signature] 12/13/16
 WATER, SEWER STREETS BUREAU CHIEF
 [Signature] 12/13/16
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 [Signature] 12/13/16
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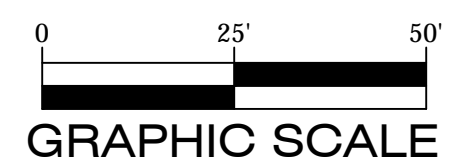
Revisions Date

Revisions	Date



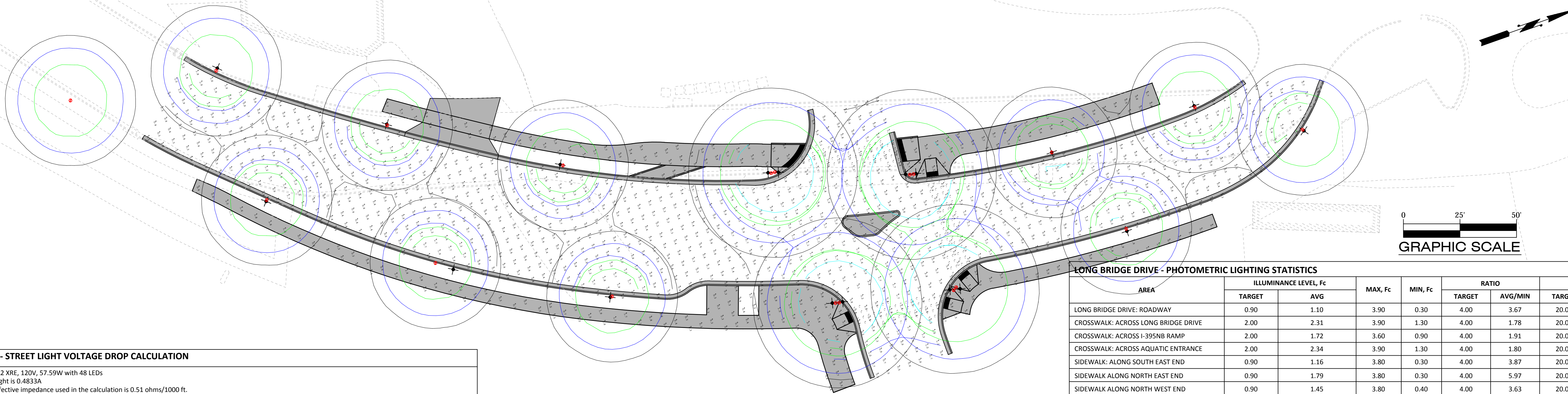
CONSTRUCTION NOTES & LEGENDS:

- 1 RELOCATE EXISTING CARLYLE LIGHT POLE & FIXTURES
- PROPOSED 16" BLACK FINISH ALUMINIUM SINGLE CARLYLE LIGHT (TYP) ARLINGTON COUNTY STANDARD (LT-5.1, LT-5.2a, LT 5.2b, LT-6, LT-7, LT-8, LT-11, LT-13)
- PROPOSED 16" BLACK FINISH ALUMINIUM DOUBLE CARLYLE LIGHT (TYP) ARLINGTON COUNTY STANDARD (LT-5.1, LT-5.2a, LT 5.2b, LT-6, LT-7, LT-8, LT-11, LT-13)
- PROPOSED 2" SCH 40 PVC FOR TRENCHED ELECTRIC CONDUIT WITH STREET LIGHT WIRING (TYP) ARLINGTON COUNTY STANDARD (TS4-7 & LT-12)
- PROPOSED 12"x12" QUAZITE LID AND JUNCTION BOX FOR NON DELIBERATE TRAFFIC USE (TYP) ARLINGTON COUNTY STANDARD (LT-16)
- PROPOSED 5' VERIZON EASEMENT
- STANDARD METERPAN ARLINGTON COUNTY STANDARD (TS7-13.1 & TS7-13.2)



LONG BRIDGE DRIVE - FIXTURE SUMMARY

FIXTURE DESCRIPTION	IES FILE	CONFIGURATION	MOUNTING HEIGHT	LLF	NO. OF FIXTURES
SINGLE CARLYLE	Relume_UA2_LTL_17612	SINGLE	16	0.95	10
DOUBLE CARLYLE	DOUBLE CARLYLE	DOUBLE	16	0.95	4



LONG BRIDGE DRIVE - PHOTOMETRIC LIGHTING STATISTICS

AREA	ILLUMINANCE LEVEL, Fc		MAX, Fc	MIN, Fc	RATIO		RATIO	
	TARGET	AVG			TARGET	AVG/MIN	TARGET	MAX/MIN
LONG BRIDGE DRIVE: ROADWAY	0.90	1.10	3.90	0.30	4.00	3.67	20.00	13.00
CROSSWALK: ACROSS LONG BRIDGE DRIVE	2.00	2.31	3.90	1.30	4.00	1.78	20.00	3.00
CROSSWALK: ACROSS I-395NB RAMP	2.00	1.72	3.60	0.90	4.00	1.91	20.00	4.00
CROSSWALK: ACROSS AQUATIC ENTRANCE	2.00	2.34	3.90	1.30	4.00	1.80	20.00	3.00
SIDEWALK: ALONG SOUTH EAST END	0.90	1.16	3.80	0.30	4.00	3.87	20.00	12.67
SIDEWALK ALONG NORTH EAST END	0.90	1.79	3.80	0.30	4.00	5.97	20.00	12.67
SIDEWALK ALONG NORTH WEST END	0.90	1.45	3.80	0.40	4.00	3.63	20.00	9.50
SIDEWALK ALONG SOUTH WEST END	0.90	1.22	3.70	0.30	4.00	4.07	20.00	12.33

LONG BRIDGE DRIVE - STREET LIGHT VOLTAGE DROP CALCULATION

Light type: Relume model UA2 XRE, 120V, 57.59W with 48 LEDs
Amperes required per LED Light is 0.4833A
For #6 AWG copper cable, effective impedance used in the calculation is 0.51 ohms/1000 ft.

CIRCUIT # 1 - VOLTAGE DROP TO METER AND THREE POLES								
CKT #	FROM	TO	CKT LENGTH	WIRE SIZE	QTY. OF LIGHTS ON POLE	TOTAL QTY. OF LIGHTS ON CKT	AMPERES THRU CABLE	VOLTAGE DROP IN THIS SECTION
PANEL FEED	TRANSF	METER	100	#6 AWG	N/A	8.00	3.87	0.20
CKT1-1	METER	L1	30	#6 AWG	1.00	4.00	1.93	0.03
CKT1-2	L1	L3	202	#6 AWG	2.00	3.00	2.90	0.30
CKT1-3	L3	L5	140	#6 AWG	1.00	1.00	0.48	0.03
Total Voltage Drop of Circuit # 1 at last pole (V):								0.56
Percent Voltage Drop for Circuit # 1 at last pole:								0.47%

CIRCUIT # 2 - VOLTAGE DROP TO METER AND THREE POLES								
CKT #	FROM	TO	CKT LENGTH	WIRE SIZE	QTY. OF LIGHTS ON POLE	TOTAL QTY. OF LIGHTS ON CKT	AMPERES THRU CABLE	VOLTAGE DROP IN THIS SECTION
PANEL FEED	TRANSF	METER	100	#6 AWG	N/A	7.00	3.38	0.17
CKT2-1	METER	L2	98	#6 AWG	1.00	4.00	1.93	0.10
CKT2-2	L2	L4	194	#6 AWG	2.00	3.00	1.45	0.14
CKT2-3	L4	L6	173	#6 AWG	1.00	1.00	0.48	0.04
Total Voltage Drop of Circuit # 2 at last pole (V):								0.46
Percent Voltage Drop for Circuit # 2 at last pole:								0.38%

CIRCUIT # 3 - VOLTAGE DROP TO METER AND TWO POLES								
CKT #	FROM	TO	CKT LENGTH	WIRE SIZE	QTY. OF LIGHTS ON POLE	TOTAL QTY. OF LIGHTS ON CKT	AMPERES THRU CABLE	VOLTAGE DROP IN THIS SECTION
PANEL FEED	TRANSF	METER	100	#6 AWG	N/A	6.00	2.90	0.15
CKT3-1	METER	L9	292	#6 AWG	2.00	3.00	1.45	0.22
CKT3-2	L9	L7	131	#6 AWG	1.00	1.00	0.48	0.03
Total Voltage Drop of Circuit # 3 at last pole (V):								0.40
Percent Voltage Drop for Circuit # 3 at last pole:								0.33%

CIRCUIT # 4 - VOLTAGE DROP TO METER AND ONE POLE								
CKT #	FROM	TO	CKT LENGTH	WIRE SIZE	QTY. OF LIGHTS ON POLE	TOTAL QTY. OF LIGHTS ON CKT	AMPERES THRU CABLE	VOLTAGE DROP IN THIS SECTION
PANEL FEED	TRANSF	METER	100	#6 AWG	N/A	6.00	2.90	0.15
CKT4-1	METER	L10	228	#6 AWG	2.00	3.00	1.45	0.17
CKT4-2	L10	L8	125	#6 AWG	1.00	1.00	0.48	0.03
Total Voltage Drop of Circuit # 4 at last pole (V):								0.32
Percent Voltage Drop for Circuit # 4 at last pole:								0.26%

CIRCUIT # 5 - VOLTAGE DROP TO METER AND TWO POLES								
CKT #	FROM	TO	CKT LENGTH	WIRE SIZE	QTY. OF LIGHTS ON POLE	TOTAL QTY. OF LIGHTS ON CKT	AMPERES THRU CABLE	VOLTAGE DROP IN THIS SECTION
PANEL FEED	TRANSF	METER	100	#6 AWG	N/A	4.00	1.93	0.10
CKT5-1	METER	L11	293	#6 AWG	1.00	2.00	0.97	0.14
CKT5-2	L11	L13	158	#6 AWG	1.00	1.00	0.48	0.04
Total Voltage Drop of Circuit # 5 at last pole (V):								0.28
Percent Voltage Drop for Circuit # 5 at last pole:								0.24%

CIRCUIT # 6 - VOLTAGE DROP TO METER AND ONE POLE								
CKT #	FROM	TO	CKT LENGTH	WIRE SIZE	QTY. OF LIGHTS ON POLE	TOTAL QTY. OF LIGHTS ON CKT	AMPERES THRU CABLE	VOLTAGE DROP IN THIS SECTION
PANEL FEED	TRANSF	METER	100	#6 AWG	N/A	4.00	1.93	0.10
CKT6-1	METER	L12	372	#6 AWG	1.00	2.00	0.97	0.18
Total Voltage Drop of Circuit # 6 at last pole (V):								0.28
Percent Voltage Drop for Circuit # 6 at last pole:								0.24%

THIS SHEET IS FOR STREETLIGHT USE ONLY

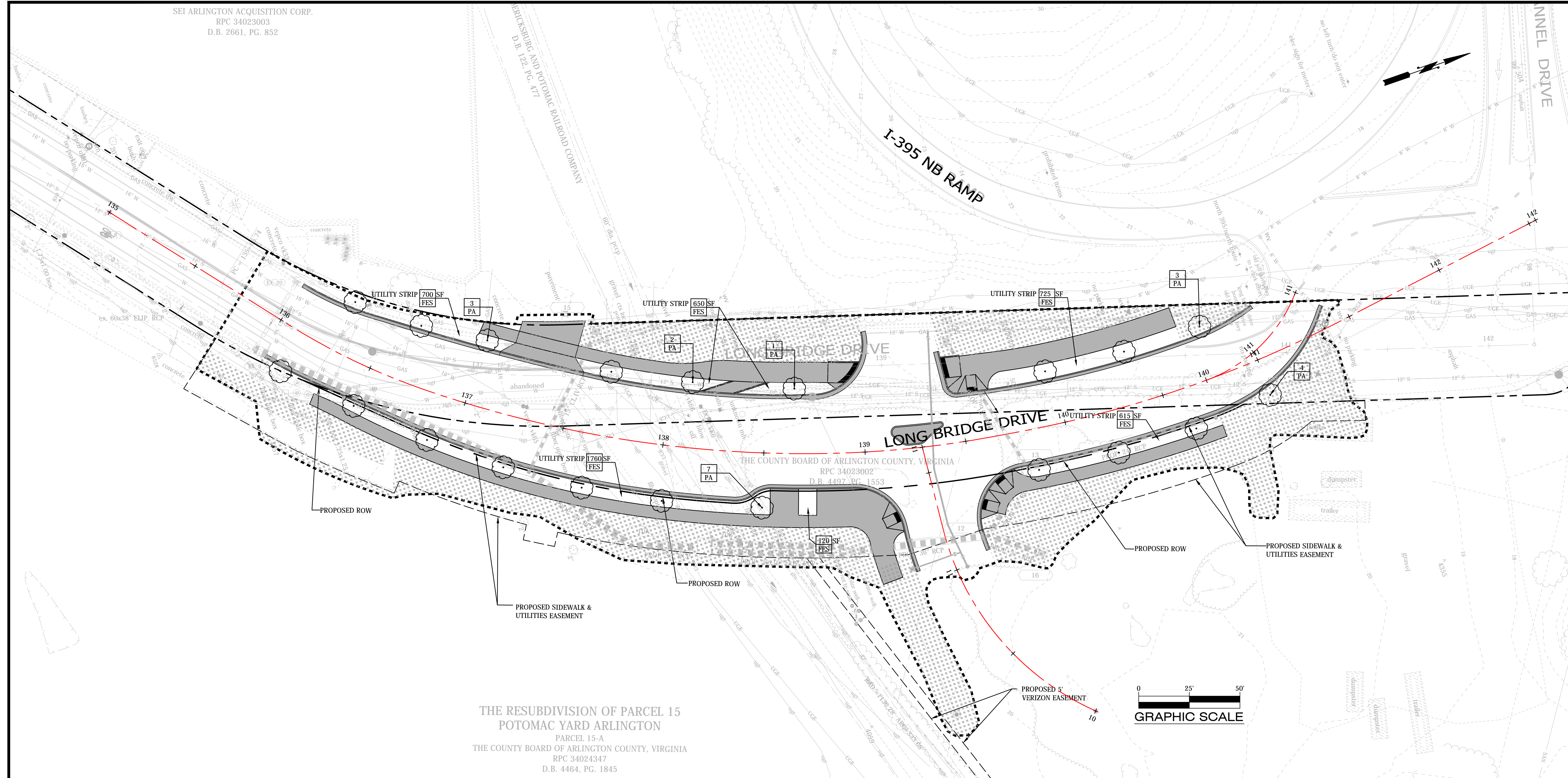
LONG BRIDGE DRIVE
 STREETLIGHT PLAN
 LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
 314.4531.13.468.S12.0000

Project Name and Location

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A

Filename: D28S-Lighting.dwg
 Path: Q:\Data\28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafie

Scale: H: 1"=25'



THE RESUBDIVISION OF PARCEL 15
 POTOMAC YARD ARLINGTON
 PARCEL 15-A
 THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA
 RPC 34024347
 D.B. 4464, PG. 1845

NOTE: CONTRACTOR SHALL CONTACT ARLINGTON COUNTY'S ARBORIST BEFORE PROCEEDING WITH PROPOSED LANDSCAPING WORK.

PLANT LEGEND						
TREES						
QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	REMARKS
20	PA	PLANTANUS X ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDONPLANETREE	3" CAL.	B & B	MATURE, WELL-BRANCHED, MATCHING SPECIMENS
GRASSES						
4570	FES	FESCUE/BLUEGRASS BLEND	FESCUE BLUEGRASS LAWN MIX	SOD		USE VA TECH RECOMMENDED MIX

LEGEND

- BLOODGOOD LONDONPLANETREE
- PERMANENT SEEDING

LANDSCAPE NARRATIVE:

PER URBAN FORESTER DIRECTION ON JUNE 24, 2015. "NO TREES OVER 3 INCHES IN DIAMETER WERE FOUND WITHIN OR NEAR THE PROJECT LIMIT OF DISTURBANCE. WHILE TREES WILL BE PLANTED, NO TREE REPLACEMENT CALCULATION WILL BE NECESSARY."

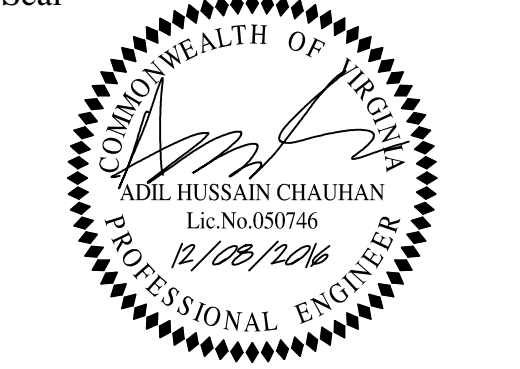
THIS SHEET IS FOR LANDSCAPE USE ONLY



DEPARTMENT OF ENVIRONMENTAL SERVICES

Facilities & Engineering Division
 Engineering Bureau
 2100 Clarendon Boulevard, Suite 813
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606
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Seal



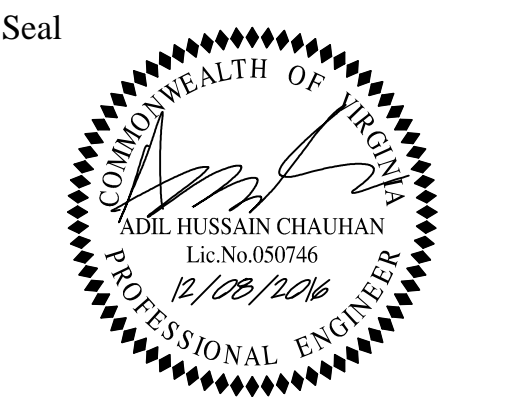
Approvals	Date
	12/8/2016
	12/13/16
	12/13/16
	12/13/16
	12/13/16

Revisions	Date

LONG BRIDGE DRIVE
 LANDSCAPE PLAN
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE/ I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.43513.D468.S12.0000

Project Name and Location

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
 Filename: D28S-Landscape.dwg
 Path: Q:\Data\28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle
 Scale: H: 1"=25'



Approvals	Date
<i>[Signature]</i>	12/18/2016
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

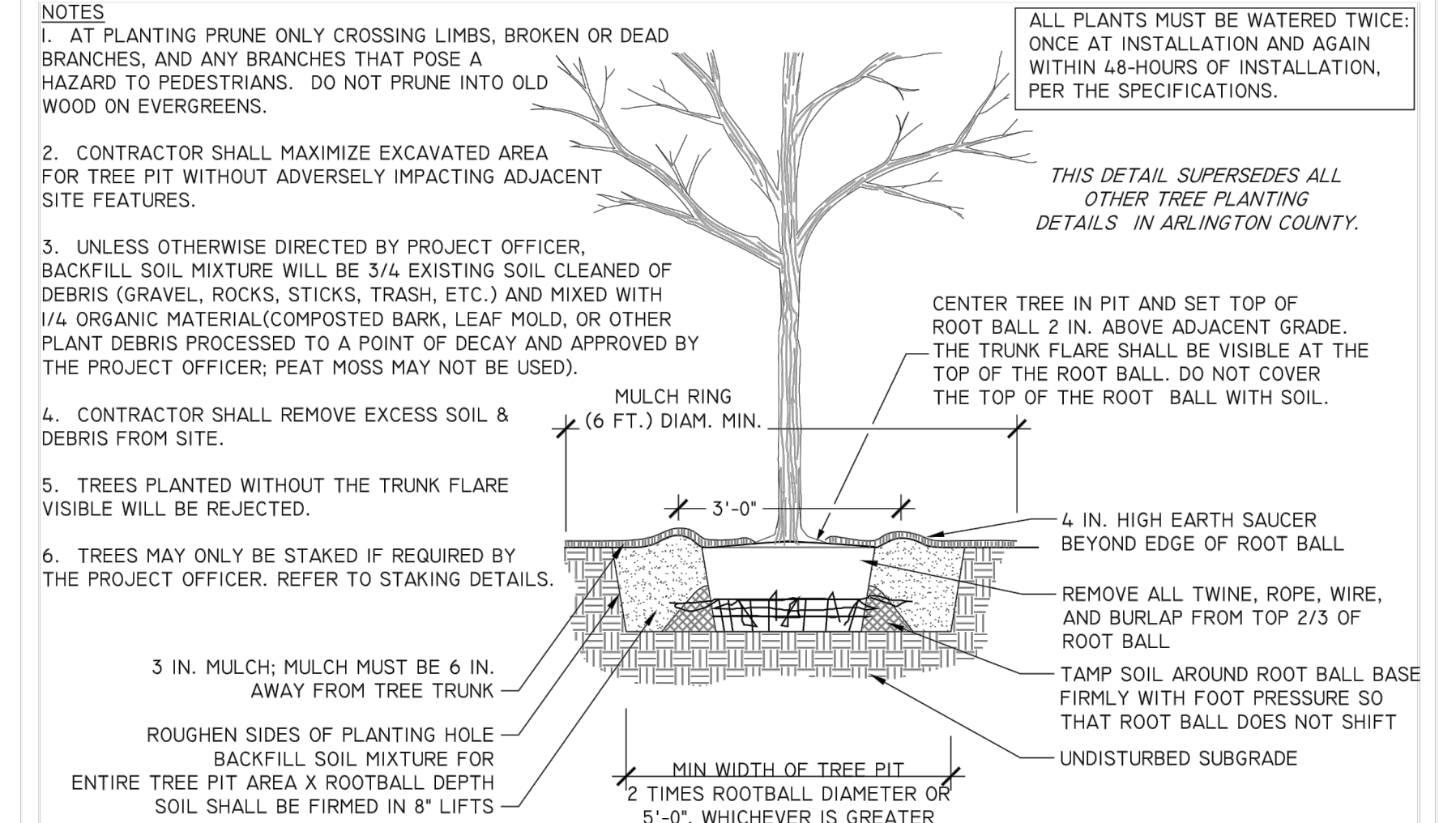
Revisions	Date

Project Name and Location
LONG BRIDGE DRIVE
 LANDSCAPE NOTES & DETAILS
 LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-95 INTERCHANGE ROAD REALIGNMENT
 314.4331.D.468.S12.0000

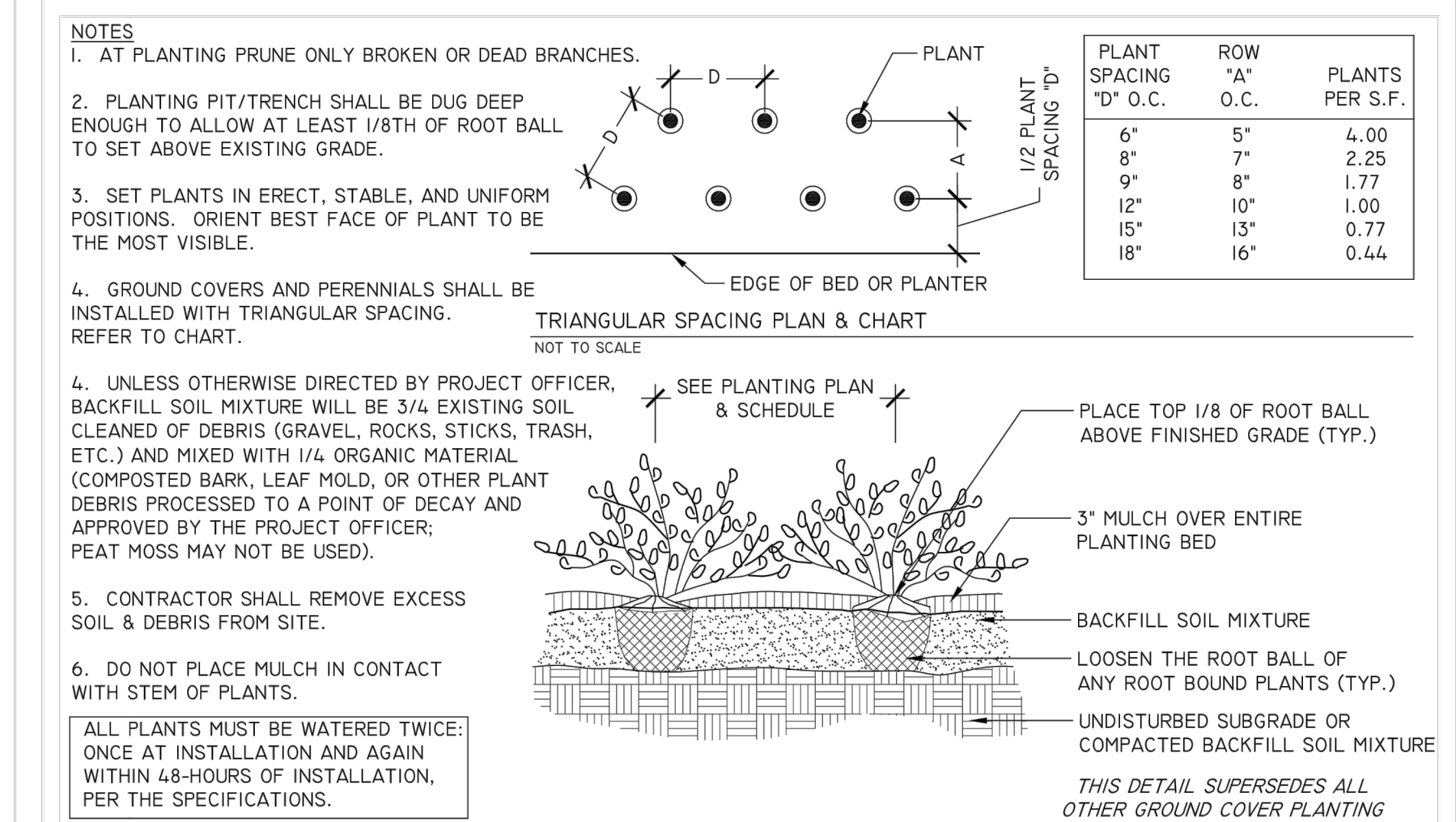
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 Filename: D28S-Landscape.dwg
 Path: Q:\Data\28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle
 Scale: AS NOTED

- NOTES**
- A PERMIT IS REQUIRED WHEN TREES ARE PLANTED IN PUBLIC RIGHT-OF-WAY OR IN A PUBLIC EASEMENT. THE DEPARTMENT OF ENVIRONMENTAL SERVICES SHALL ISSUE THE PERMIT ACCORDING TO THE PROVISIONS OF THE CURRENT ARLINGTON COUNTY ADMINISTRATIVE REGULATION 4.3.
 - TREE SPECIES SHALL BE SELECTED FROM THE 'ARLINGTON COUNTY STREET TREE LIST' OR PER SECTOR PLAN REQUIREMENTS.
 - TREES SHALL BE NURSERY GROWN SPECIMENS THAT MEET THE LATEST EDITION OF THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60). BALLED AND BURLAPPED TREES SHALL BE SECURELY HELD IN PLACE BY UNTREATED BURLAP AND STOUT ROPE (NYLON ROPE IS NOT ACCEPTABLE). LOOSE, BROKEN OR MANUFACTURED BALLS ARE UNACCEPTABLE.
 - CALL MISS UTILITY AT (800) 552-7001 FOR UTILITY LOCATIONS PRIOR TO EXCAVATION.
 - AT TIME OF PLANTING PRUNE ONLY CROSSING LIMBS, BROKEN OR DEAD BRANCHES, AND ANY BRANCHES THAT POSE A HAZARD TO PEDESTRIANS. DO NOT PRUNE INTO OLD WOOD ON EVERGREENS.
 - TREE PIT AND TREE STRIP PLANTING AREA DIMENSIONS:
 (A) 5' X 12' OR LARGER IS STANDARD
 (B) 4' X 15' MINIMUM IS ALLOWED PER SITE CONDITIONS AND COUNTY URBAN FORESTER'S APPROVAL.
 - SPACE TREES 25'-30' APART OR PER SECTOR PLAN REQUIREMENTS OR SITE CONDITIONS.
 - SITE CHARACTERISTICS, SUCH AS OVERHEAD POWER LINES, EXISTING VEGETATION, AND INFRASTRUCTURE ITEMS SUCH AS CURBS, SIDEWALKS AND UTILITIES SHALL BE CONSIDERED. TREES THAT GROW TALLER THAN 25 FEET SHOULD NOT BE PLANTED DIRECTLY UNDER POWER LINES. WHEN POSSIBLE THE TREE LEADER SHALL BE OFFSET FROM POWER LINES.
 - BACKFILL SOIL MIXTURE SHALL BE 3/4 EXISTING SOIL CLEANED OF DEBRIS (GRAVEL, ROCKS, STICKS, TRASH, ETC.) AND MIXED WITH 1/4 ORGANIC MATERIAL (COMPOSTED BARK, LEAF MOLD, OR OTHER PLANT DEBRIS PROCESSED TO A POINT OF DECAY AND APPROVED BY THE COUNTY URBAN FORESTER. PEAT MOSS MAY NOT BE USED).
 - IF THE QUANTITY OF ACCEPTABLE EXISTING SOIL IS INSUFFICIENT FOR THE PLANTING REQUIREMENTS, THE CONTRACTOR MAY USE TOPSOIL. SOIL TEST REPORT RESULTS FOR THE TOPSOIL WILL BE MADE AVAILABLE TO THE COUNTY URBAN FORESTER UPON REQUEST. CONTRACTOR SHALL SUBMIT TOPSOIL FOR APPROVAL TO COUNTY URBAN FORESTER THAT MEETS THE FOLLOWING SPECIFICATIONS:
 (A) TOPSOIL CONSISTS OF A SANDY LOAM WITH UNIFORM COMPOSITION AND IS FREE OF STONES, LUMPS, PLANTS, ROOTS, AND OTHER DEBRIS OVER 1/2" IN LENGTH.
 (B) TOPSOIL HAS A PH RANGE OF 5.5 TO 6.5 AND A MINIMUM CONTENT OF 1.0% ORGANIC MATTER.
 (C) TOPSOIL DOES NOT CONTAIN TOXIC SUBSTANCES HARMFUL TO PLANT GROWTH. SOLUBLE SALT LEVEL SHALL NOT EXCEED 3 MILLIOHMS PER CENTIMETER.
 - TREES PLANTED WITHOUT THE TRUNK FLARE VISIBLE WILL BE REJECTED.
 - TREES MAY ONLY BE STAKED IF REQUIRED BY THE COUNTY URBAN FORESTER. REFER TO ARLINGTON COUNTY STANDARD STAKING DETAILS.
 - MULCH SHALL BE CLEAN, SCREENED, DOUBLE-HAMMERED HARDWOOD BARK MULCH, UNIFORM IN SIZE AND FREE OF STONES, CLOUDS, NON-ORGANIC DEBRIS AND OTHER FOREIGN MATERIAL.
 - ALL PLANTS SHALL BE WATERED TWICE: ONCE AT INSTALLATION AND AGAIN WITHIN 48-HOURS OF INSTALLATION. EACH WATERING WILL CONSIST OF 20 GALLONS PER TREE.
 - CONTRACTOR SHALL REMOVE EXCESS SOIL & DEBRIS FROM SITE.

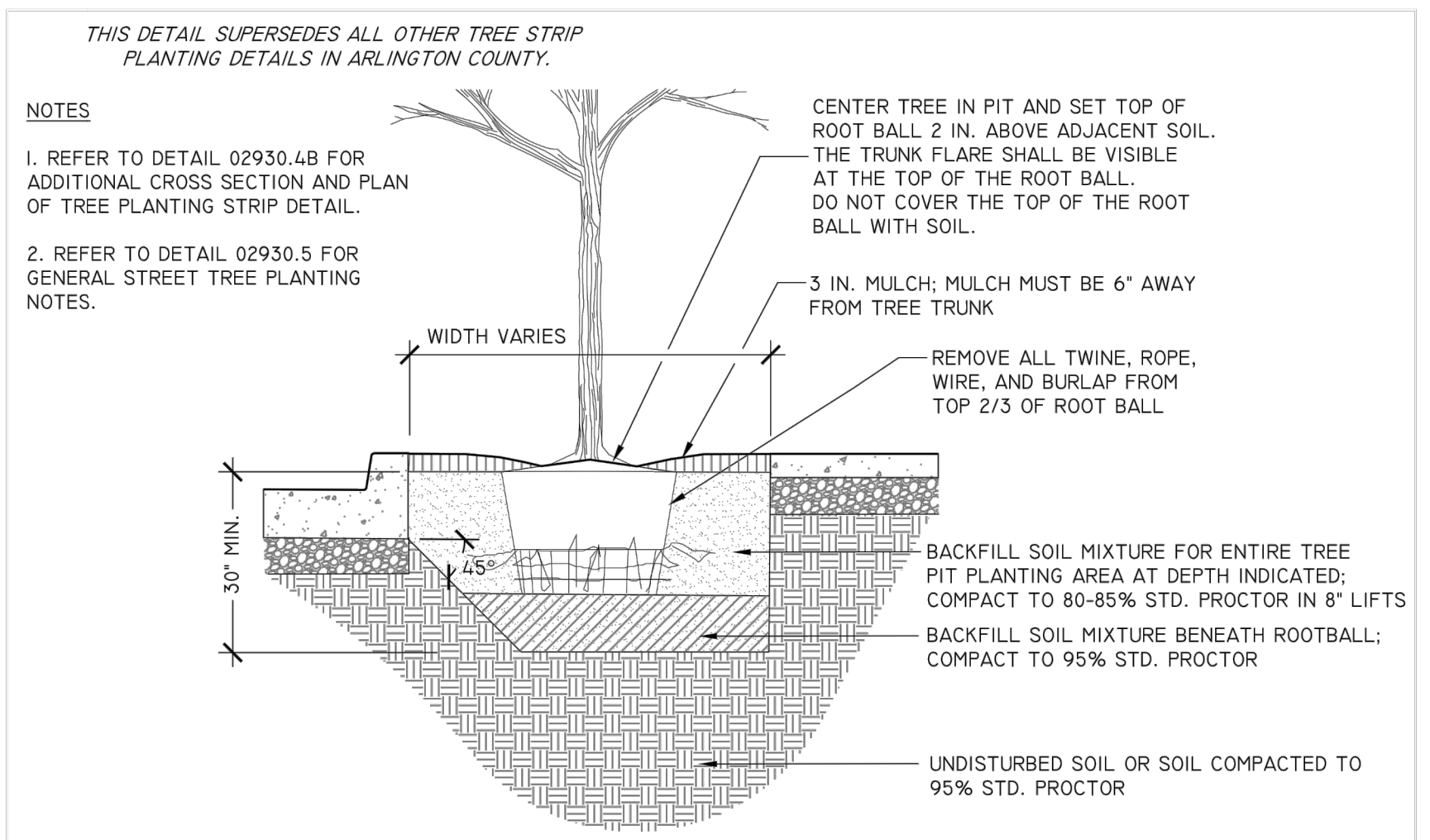
GENERAL NOTES FOR STREET TREE PLANTINGS
 FOR TREES PLANTED IN RIGHT-OF-WAY
 02930.5 (2013)



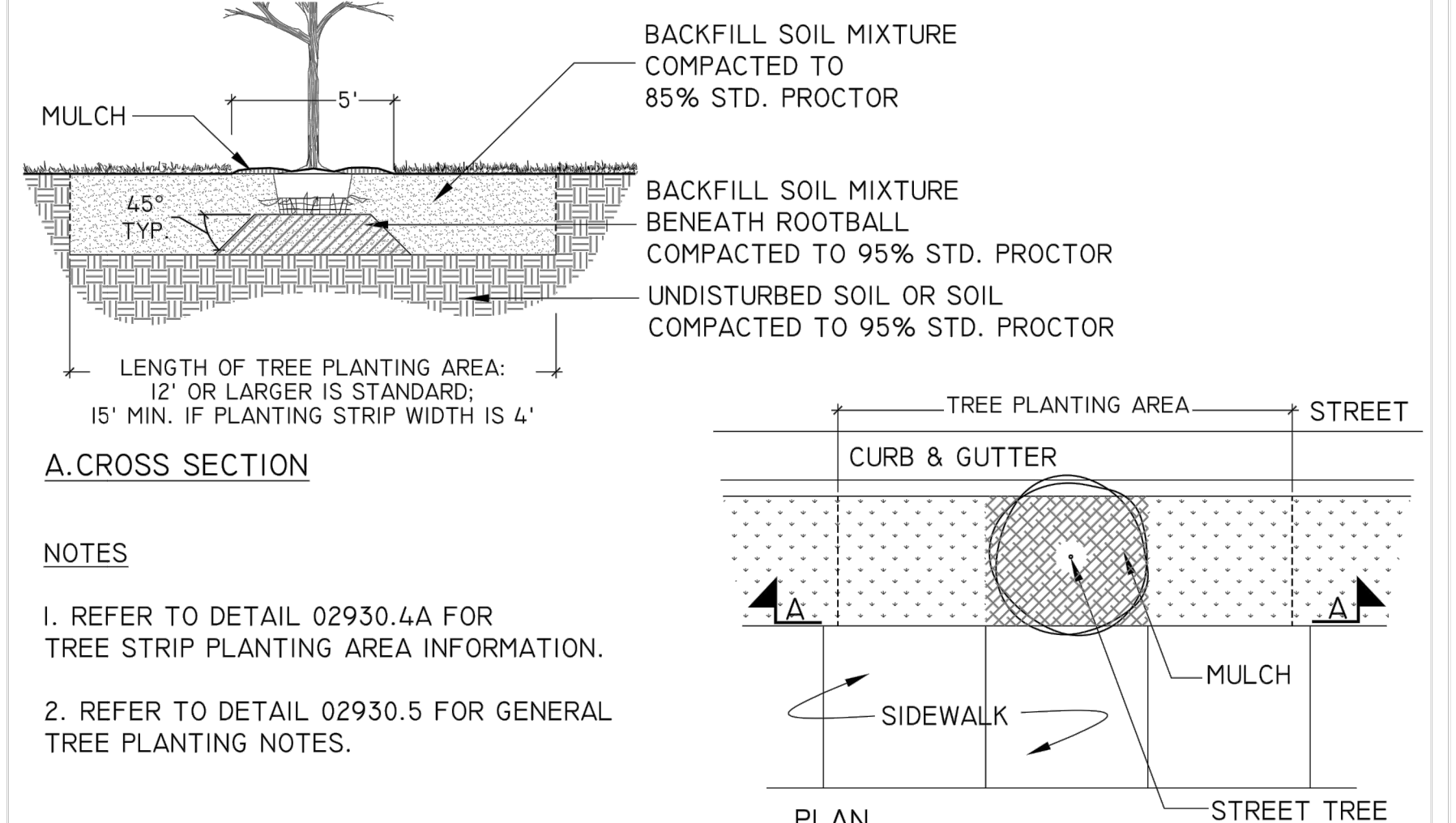
TREE PLANTING DETAIL
 FOR OPEN PLANTING AREAS FREE OF PAVING OR GRATES
 02930.1 (2013)



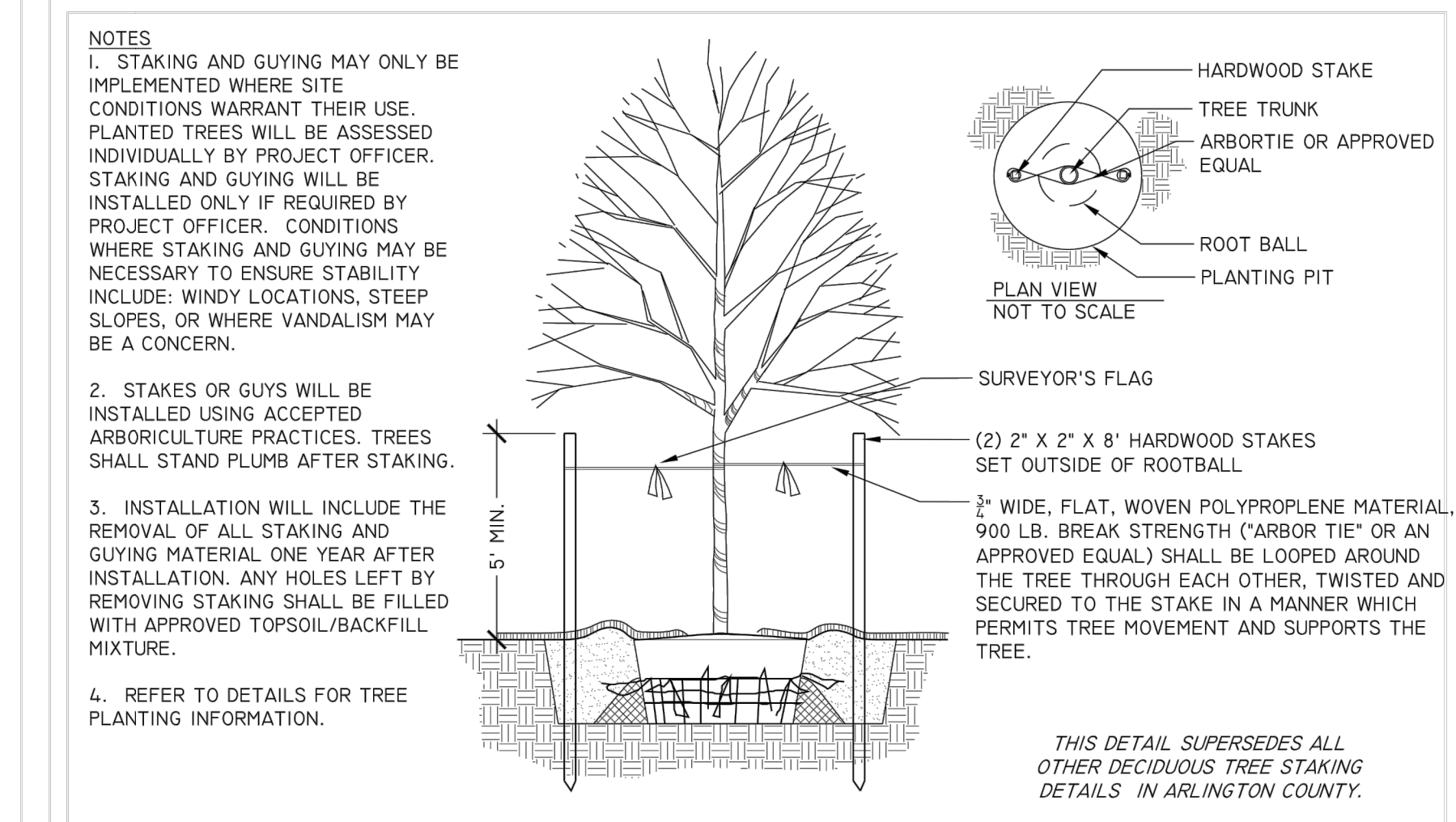
GROUND COVERS & PERENNIAL PLANTING
 ELEVATION
 02930.10 (2013)



TREE PLANTING STRIP (1 OF 2)
 FOR TREE PLANTING STRIPS IN RIGHT-OF-WAY
 02930.4A (2013)



TREE PLANTING STRIP (2 OF 2)
 FOR TREE PLANTING STRIPS IN RIGHT-OF-WAY
 02930.4B (2013)



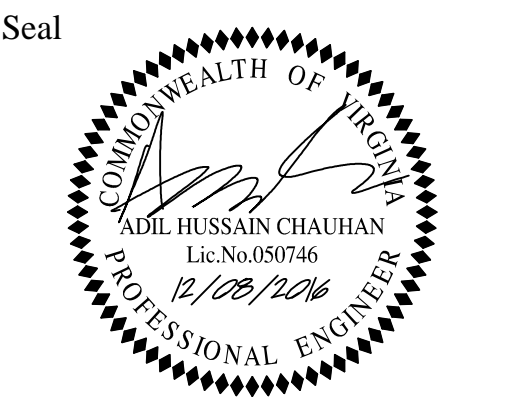
DECIDUOUS TREE STAKING
 ELEVATION
 02930.6 (2013)

LONG BRIDGE DRIVE CONSTRUCTION BASELINE



DEPARTMENT OF ENVIRONMENTAL SERVICES

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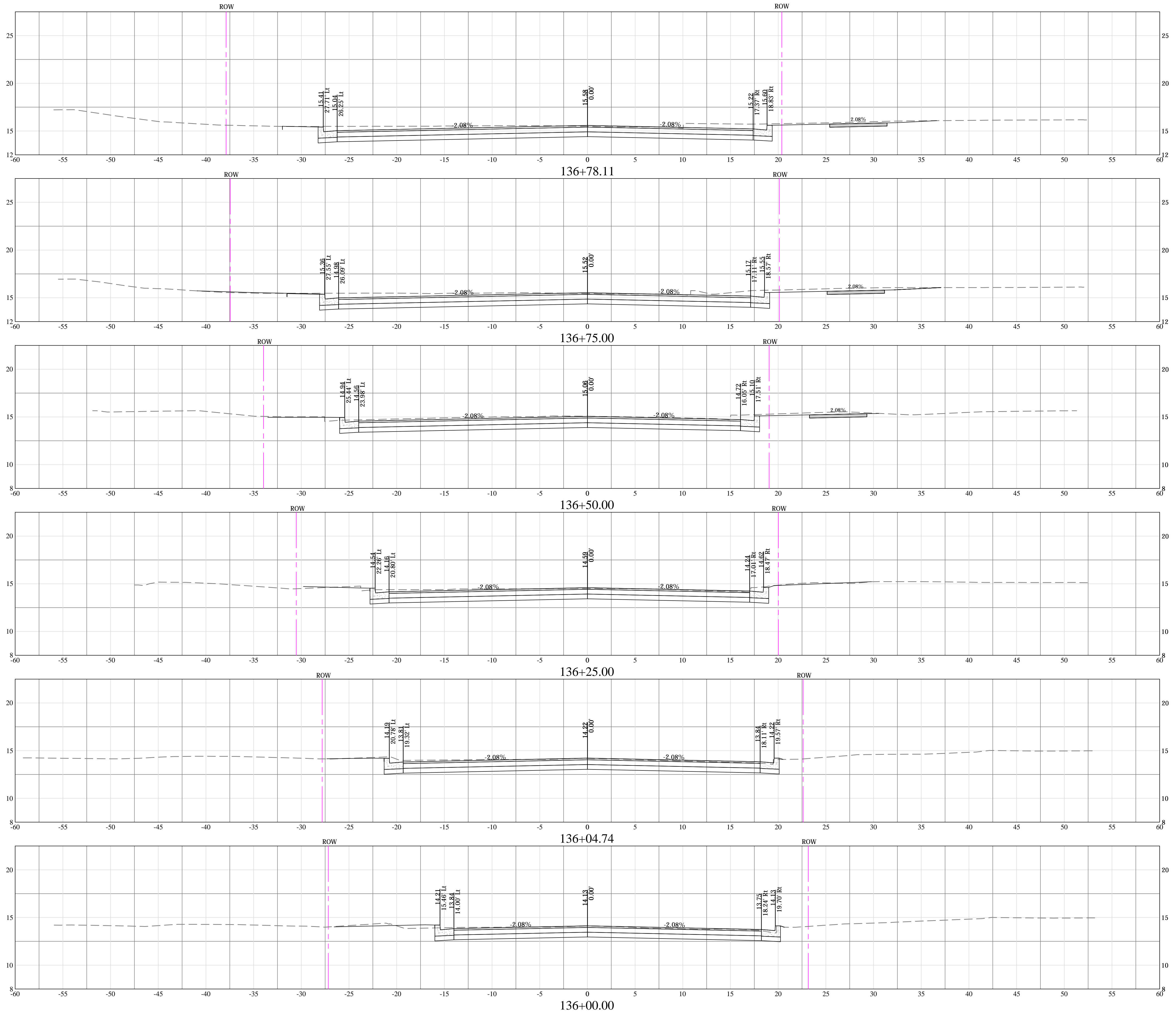


Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

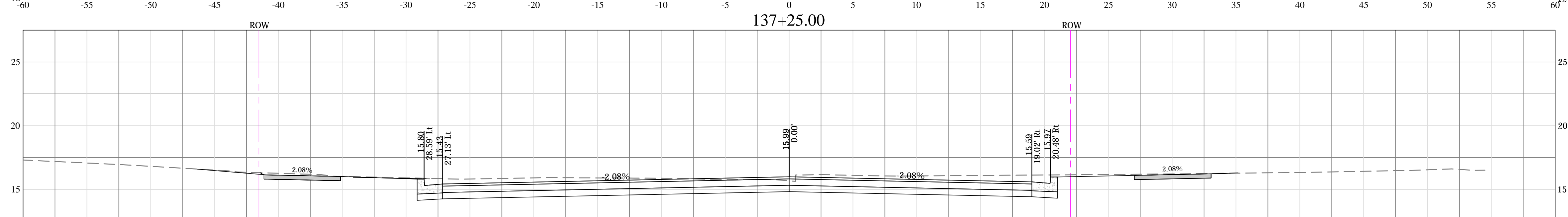
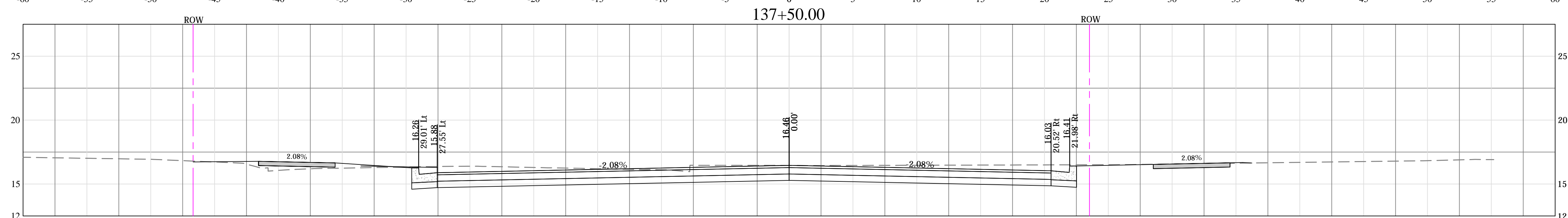
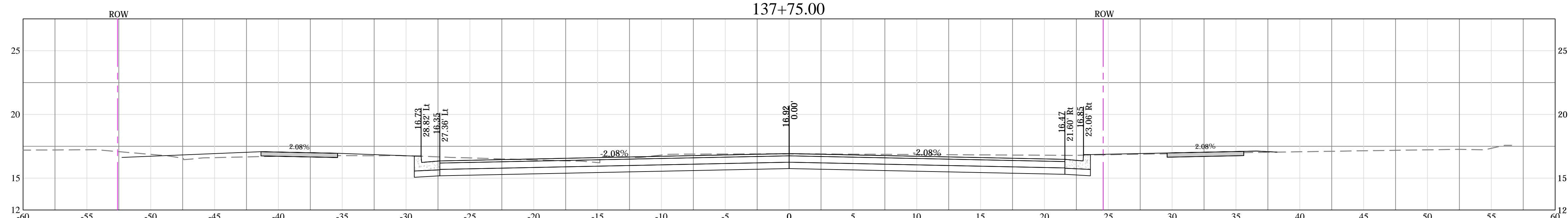
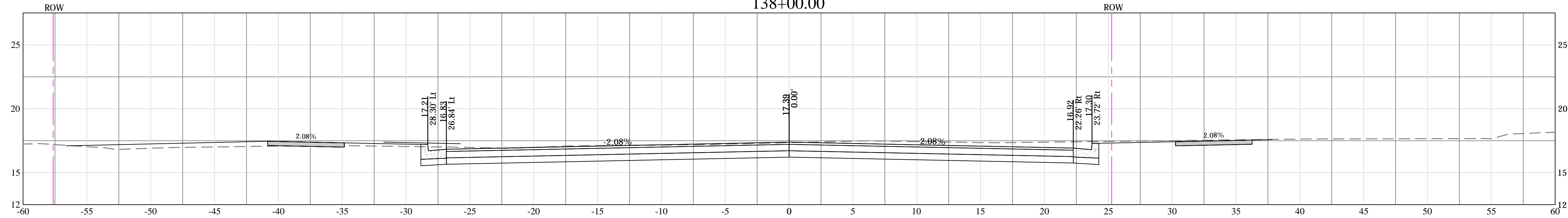
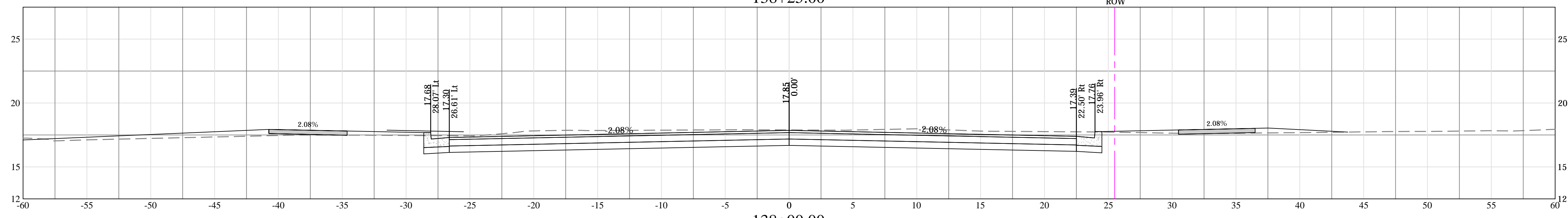
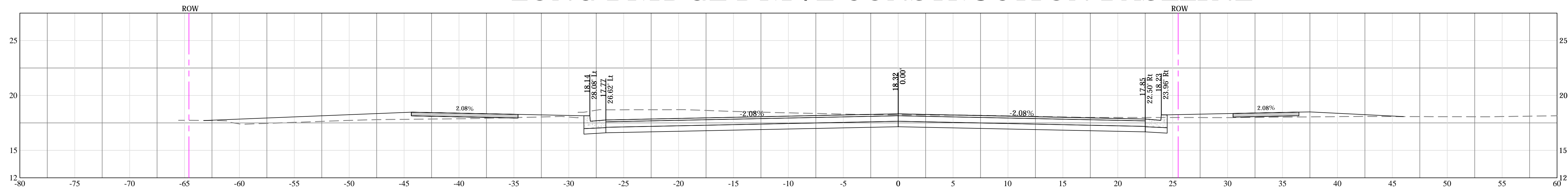
Revisions	Date

Project Name and Location
LONG BRIDGE DRIVE
 CROSS-SECTIONS - LONG BRIDGE DRIVE
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 3.14.43.513.D46S.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
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 Plotted: January 06, 2017
 Plotted by: Akafle
 Scale: H: 1"=5'
 V: 1"=5'

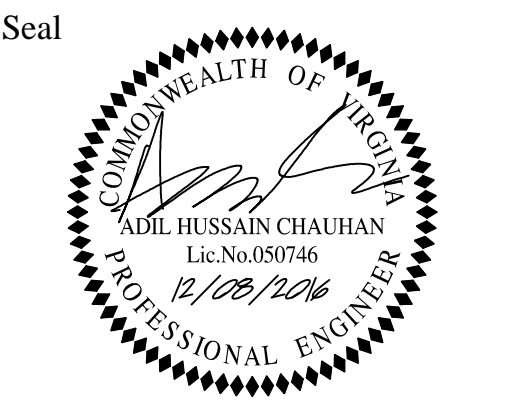


LONG BRIDGE DRIVE CONSTRUCTION BASELINE



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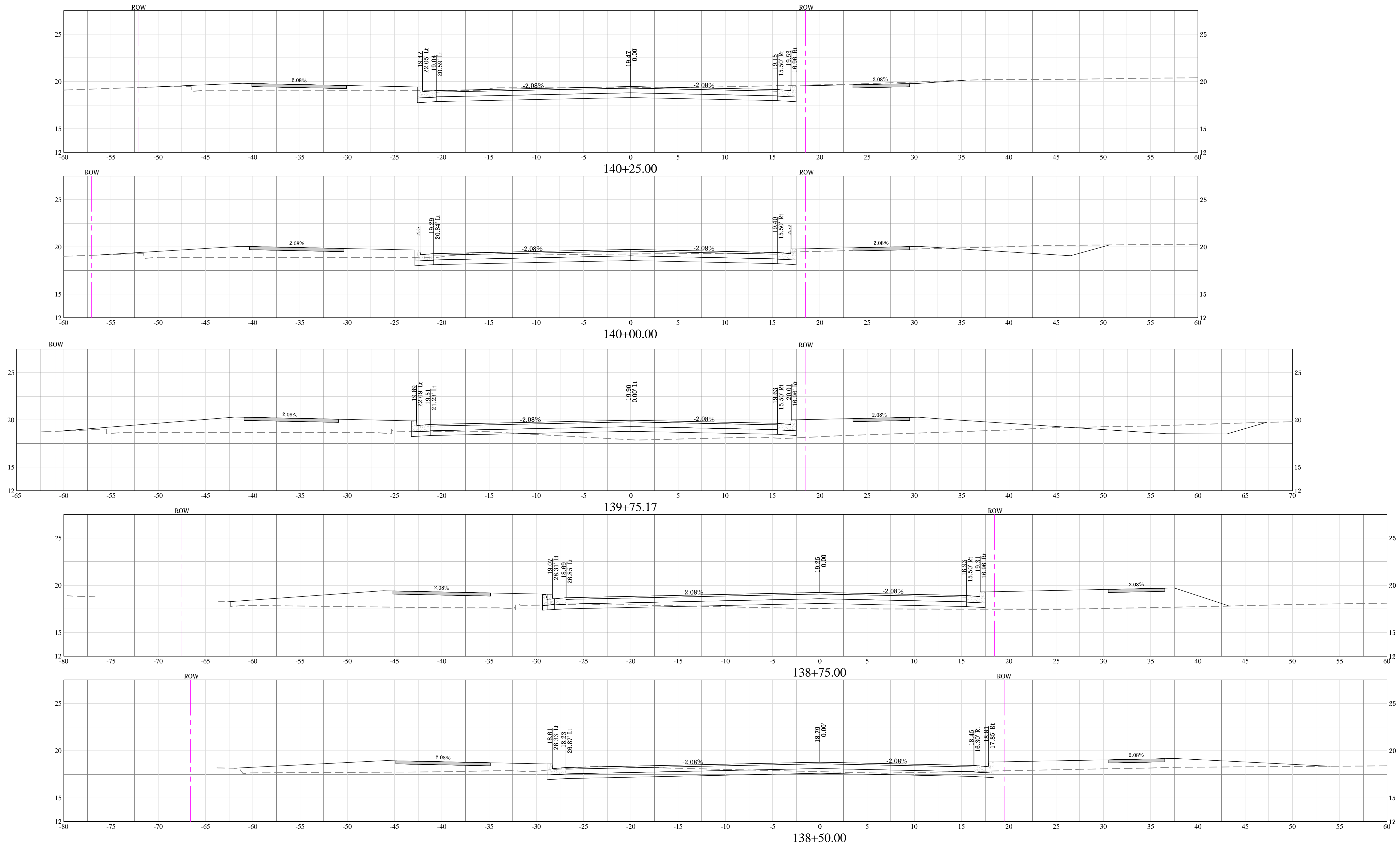
Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

Project Name and Location
LONG BRIDGE DRIVE
 CROSS-SECTIONS - LONG BRIDGE DRIVE
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE/ I-395 INTERCHANGE
 ROAD REALIGNMENT
 3.14.43513.D46S.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
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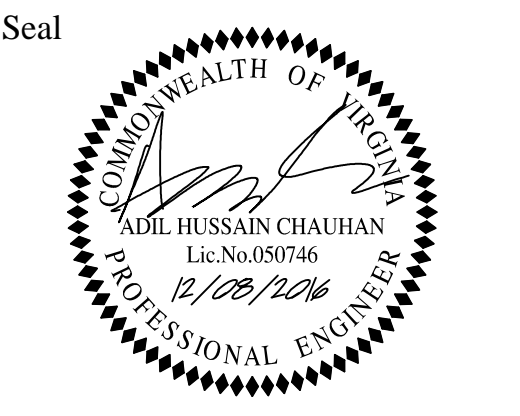
LONG BRIDGE DRIVE CONSTRUCTION BASELINE



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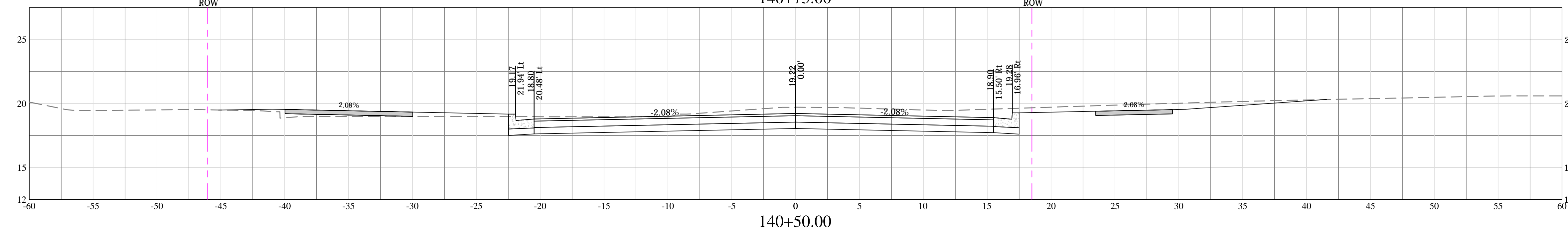
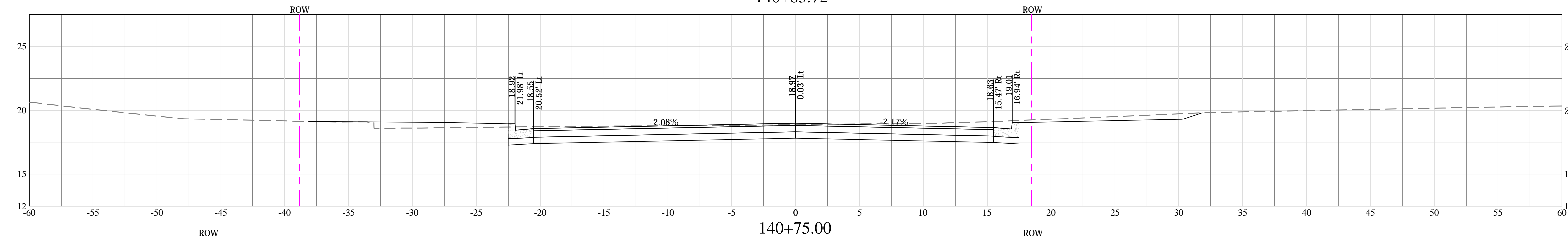
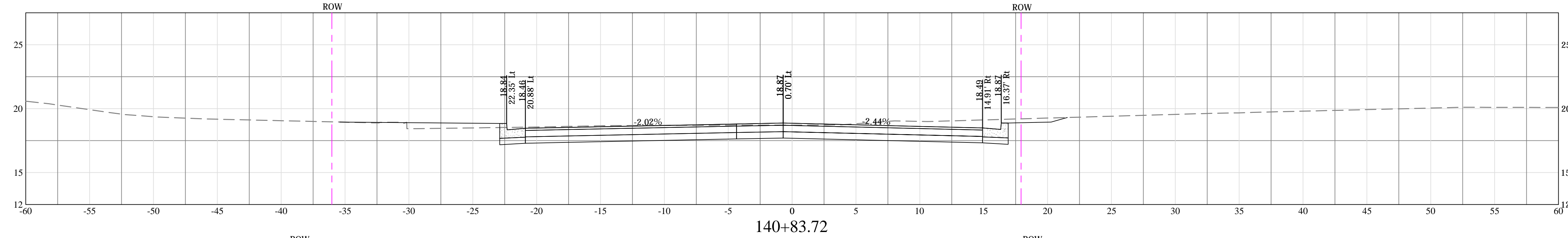
Approvals	Date
<i>[Signature]</i>	12/8/2016
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

Revisions	Date

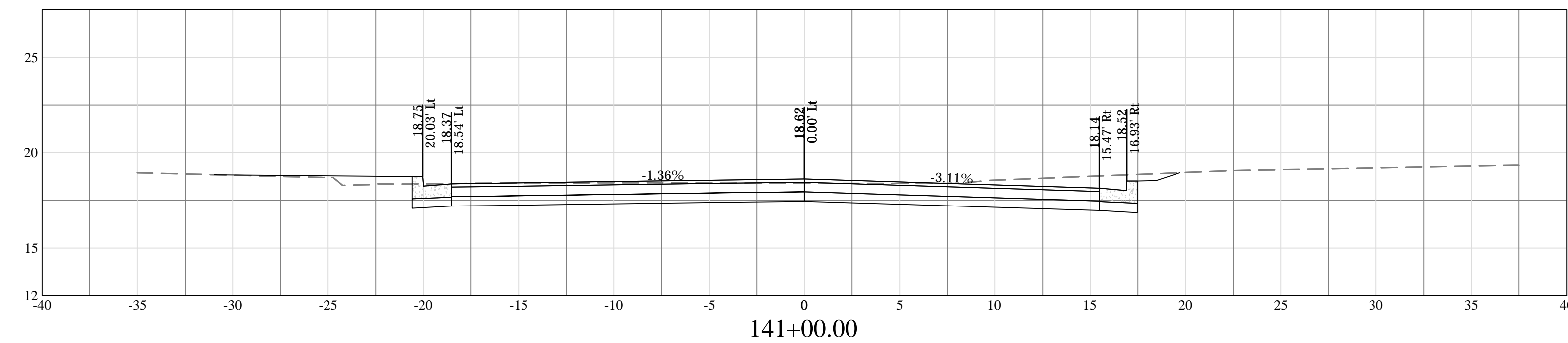
Project Name and Location
LONG BRIDGE DRIVE
 CROSS-SECTIONS - LONG BRIDGE DRIVE
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.43513.D468.S12.0000

Designed: A.K.
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 Checked: A.C.
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 Plotted by: Akafle
 Scale: H: 1"=5'
 V: 1"=5'

LONG BRIDGE DRIVE CONSTRUCTION BASELINE



LONG BRIDGE DRIVE INTERIM TIE-OUT



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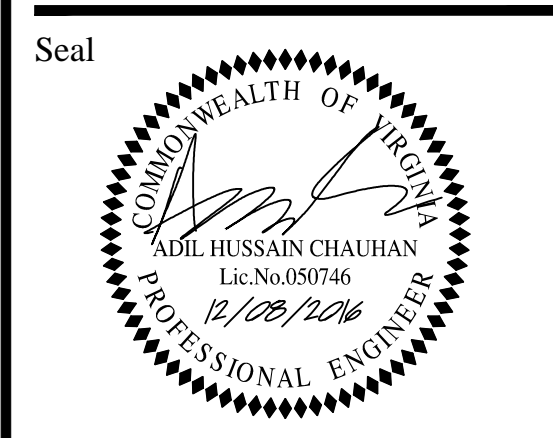


Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

Project Name and Location
LONG BRIDGE DRIVE
 CROSS-SECTIONS - LONG BRIDGE DRIVE
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE/ I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.43513.D468.S12.0000

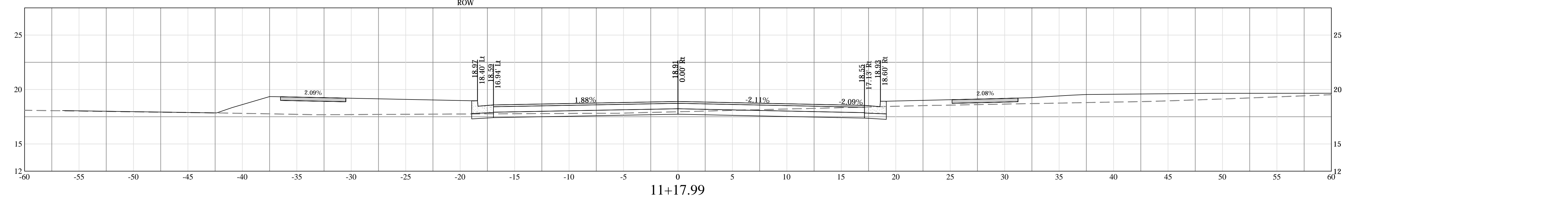
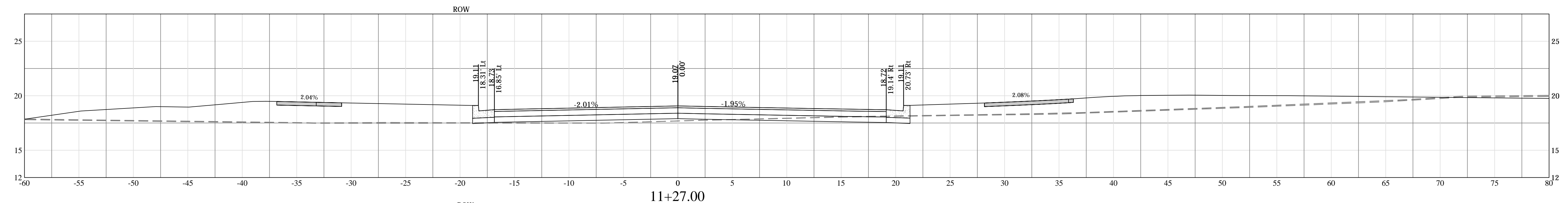
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 Miss Utility Transmittal #: N/A
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 Plotted by: Akafle
 Scale: H: 1"=5'
 V: 1"=5'



Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

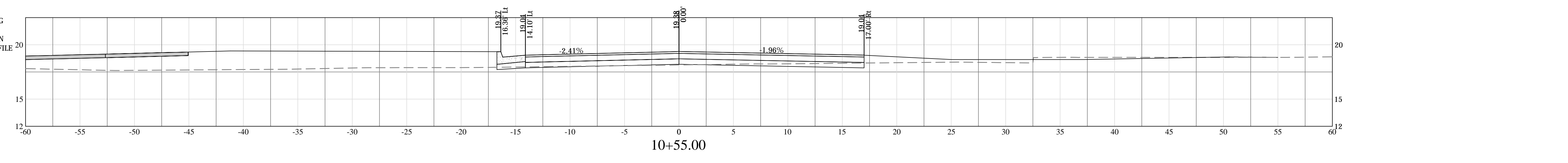
Revisions	Date

AQUATIC CENTER ENTRANCE BASELINE



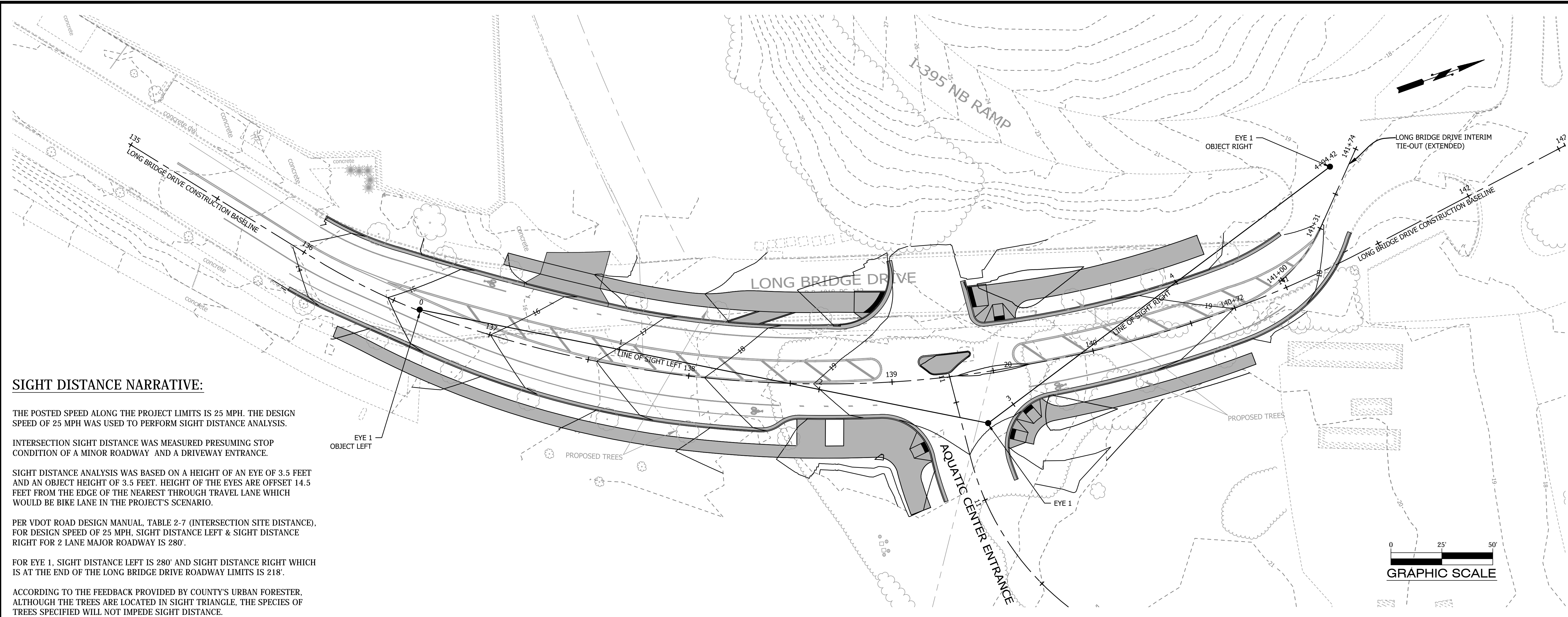
I-395 RAMP ACCESS BASELINE

REFER TO LONG BRIDGE DRIVE CONSTRUCTION BASELINE PROFILE FOR TIE-IN ELEVATIONS



Project Name and Location
LONG BRIDGE DRIVE
CROSS-SECTIONS - AQUATIC CENTER
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
3:14.43:51.3.D:\468.S12.0000

Designed: A.K.
Drawn: A.K.
Checked: A.C.
Miss Utility Transmittal #: N/A
Filename: D28S-RoadSections.dwg
Path: Q:\Data\028S\Design\Drawings
Plotted: January 06, 2017
Plotted by: Akafle
Scale: H: 1"=5'
V: 1"=5'



SIGHT DISTANCE NARRATIVE:

THE POSTED SPEED ALONG THE PROJECT LIMITS IS 25 MPH. THE DESIGN SPEED OF 25 MPH WAS USED TO PERFORM SIGHT DISTANCE ANALYSIS.

INTERSECTION SIGHT DISTANCE WAS MEASURED PRESUMING STOP CONDITION OF A MINOR ROADWAY AND A DRIVEWAY ENTRANCE.

SIGHT DISTANCE ANALYSIS WAS BASED ON A HEIGHT OF AN EYE OF 3.5 FEET AND AN OBJECT HEIGHT OF 3.5 FEET. HEIGHT OF THE EYES ARE OFFSET 14.5 FEET FROM THE EDGE OF THE NEAREST THROUGH TRAVEL LANE WHICH WOULD BE BIKE LANE IN THE PROJECT'S SCENARIO.

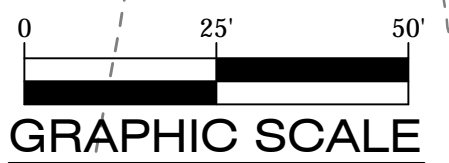
PER VDOT ROAD DESIGN MANUAL, TABLE 2-7 (INTERSECTION SITE DISTANCE), FOR DESIGN SPEED OF 25 MPH, SIGHT DISTANCE LEFT & SIGHT DISTANCE RIGHT FOR 2 LANE MAJOR ROADWAY IS 280'.

FOR EYE 1, SIGHT DISTANCE LEFT IS 280' AND SIGHT DISTANCE RIGHT WHICH IS AT THE END OF THE LONG BRIDGE DRIVE ROADWAY LIMITS IS 218'.

ACCORDING TO THE FEEDBACK PROVIDED BY COUNTY'S URBAN FORESTER, ALTHOUGH THE TREES ARE LOCATED IN SIGHT TRIANGLE, THE SPECIES OF TREES SPECIFIED WILL NOT IMPEDE SIGHT DISTANCE.

EYE 1 OBJECT LEFT

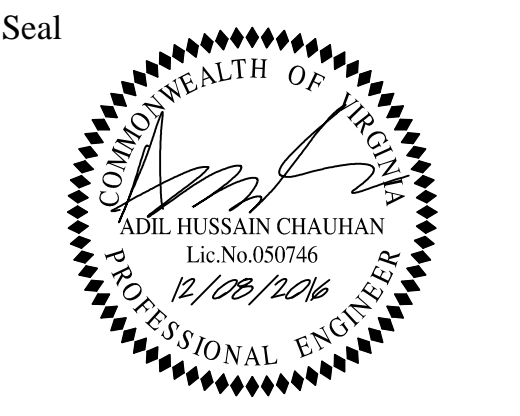
EYE 1 OBJECT RIGHT



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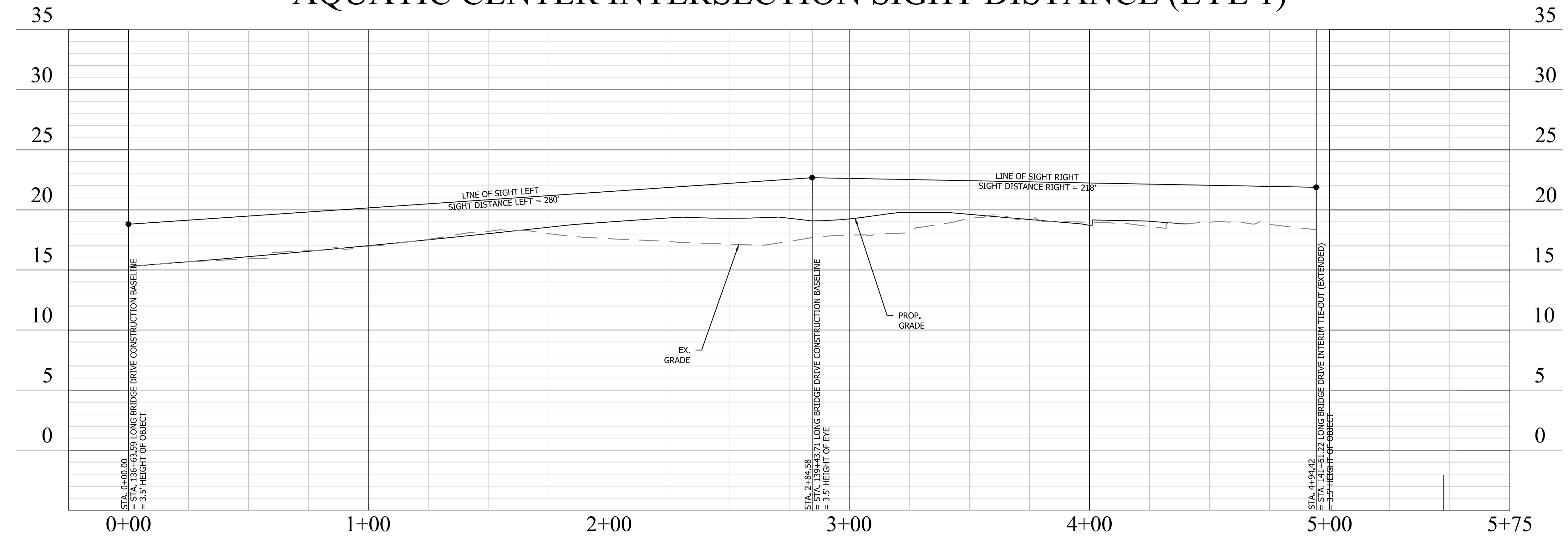
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Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

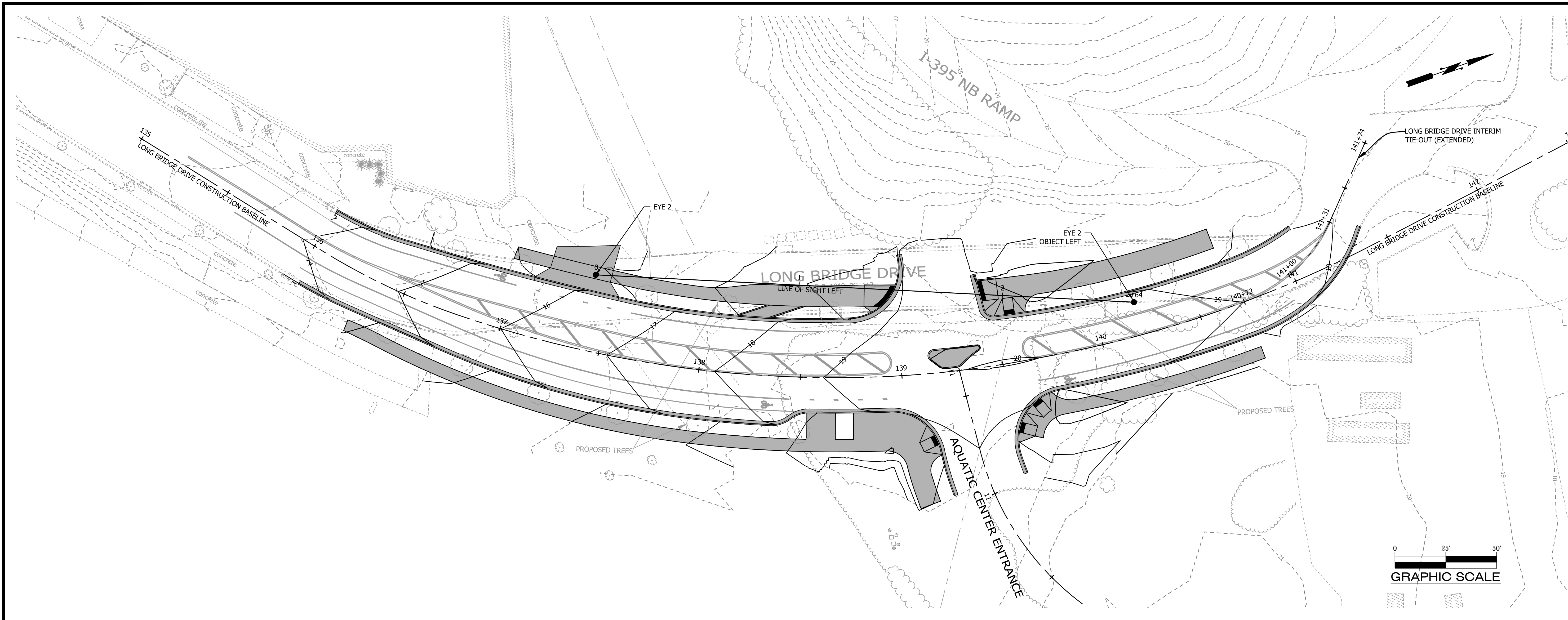
AQUATIC CENTER INTERSECTION SIGHT DISTANCE (EYE 1)



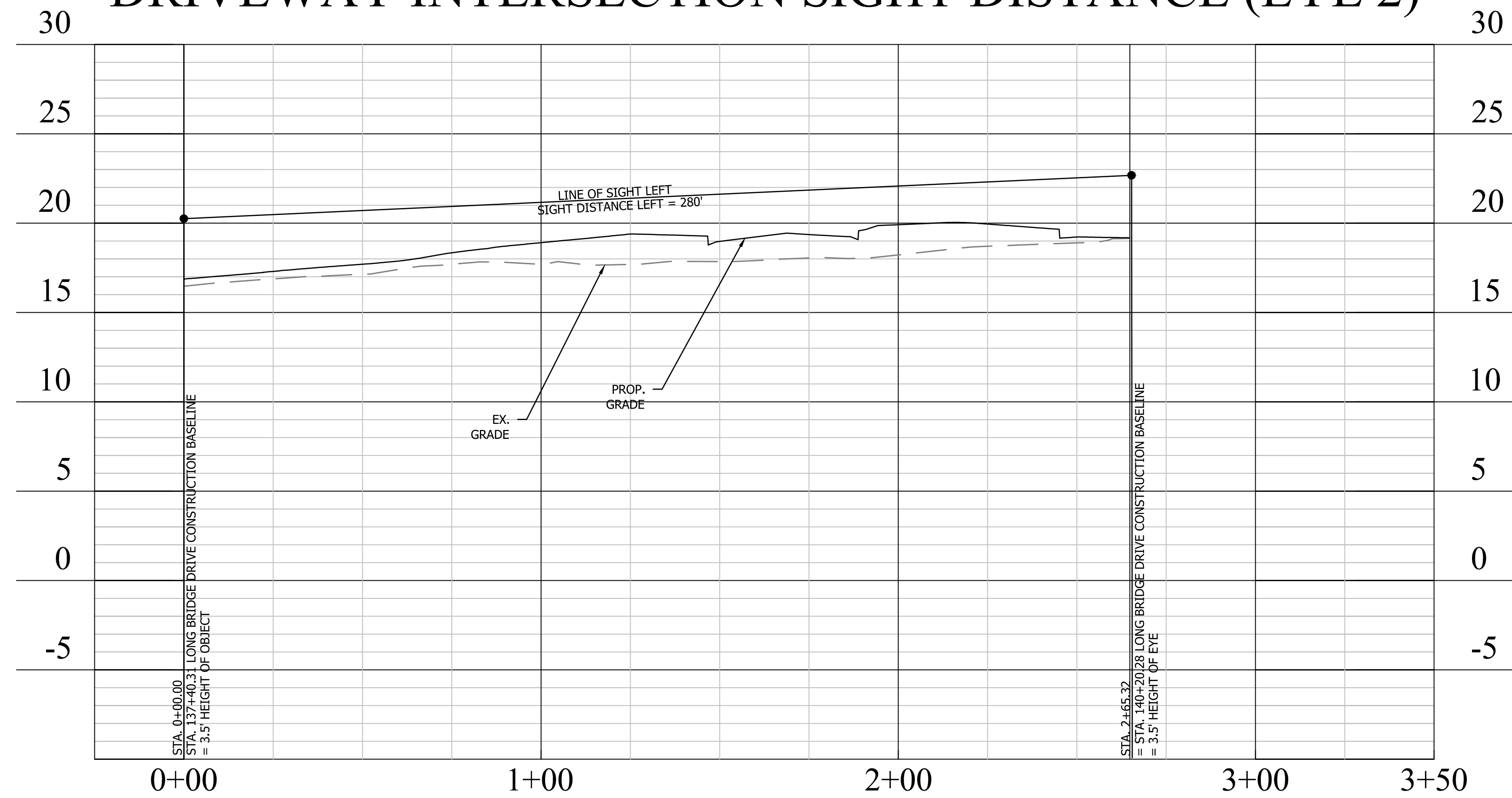
Project Name and Location
LONG BRIDGE DRIVE
 SIGHT DISTANCE
 LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT
 314.433.13.146S.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
 Filename: D28S-Sight Distance.dwg
 Path: Q:\Data\028S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle
 Scale: H: 1"=25'
 V: 1"=5'

Revised: 01/20/2016
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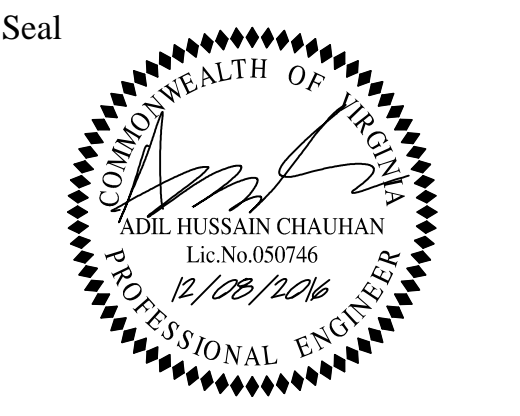
DRIVEWAY INTERSECTION SIGHT DISTANCE (EYE 2)



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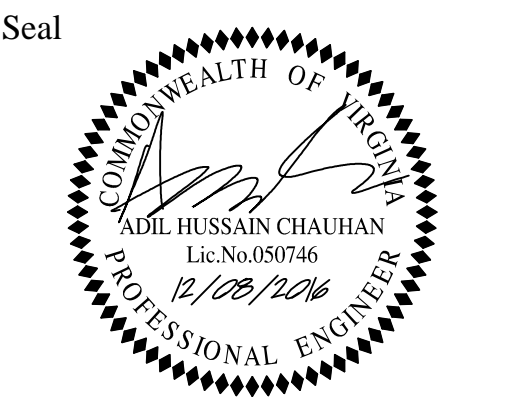
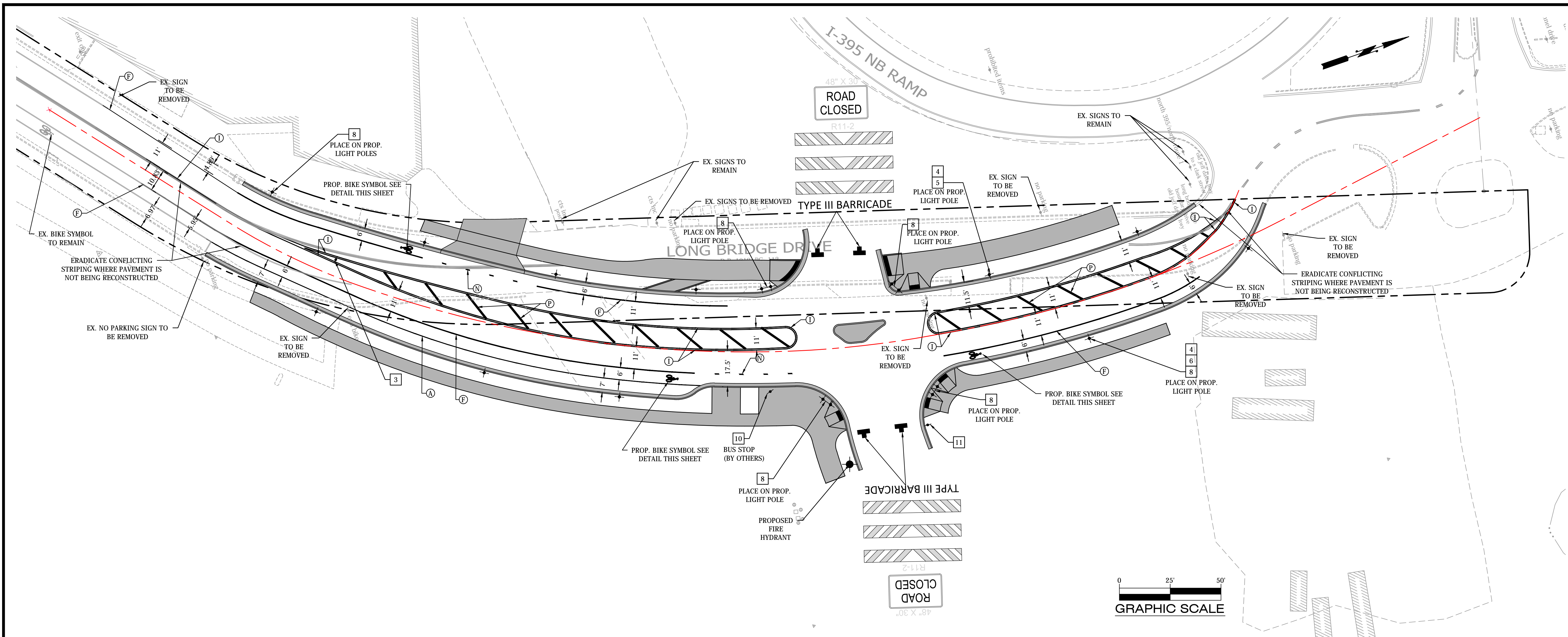


Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

Project Name and Location
LONG BRIDGE DRIVE
 SIGHT DISTANCE
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.43513.D468.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
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 Path: Q:\Data\28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle
 Scale: H: 1"=25'
 V: 1"=5'



Approvals	Date
<i>[Signature]</i>	12/8/2016
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	12/13/16
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/13/16
WATER, SEWER STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/13/16
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/13/16
PROJECT MANAGER	

Revisions	Date

STANDARD PAVEMENT MARKING LEGEND:

(A) TYPE B CLASS 1.....WHITE 4" WIDTH	PARKING LANES, EDGE LINES, LANE LINES, BIKE BUFFERS
(B) TYPE B CLASS 1.....WHITE 4" WIDTH, 10' LONG, 30' SPACING	DASHED LANE LINES
(C) TYPE B CLASS 1.....WHITE 4" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
(D) TYPE B CLASS 1.....WHITE 18" WIDTH	STOP BARS
(E) TYPE B CLASS 1.....WHITE 24" WIDTH	CONTINENTAL CROSS WALKS
(F) TYPE B CLASS 1.....WHITE 6" WIDTH	TURN LANES, TRANSVERSE CROSSWALKS, BIKE LANES
(G) TYPE B CLASS 1.....YELLOW 4" WIDTH, 10' LONG, 30' SPACING	DIVIDED TRAFFIC, TWO WAY TURN LANES
(H) TYPE B CLASS 1.....YELLOW 4" WIDTH	EDGE LINES
(I) TYPE B CLASS 1.....YELLOW 4" WIDTH, DOUBLE LINE, 4" SPACING	CENTERLINES
(J) TYPE B CLASS 1.....WHITE 6" WIDTH, 10' SPACING @45 DEGREE	HATCH LINES, SAFETY ZONES
(K) TYPE B CLASS 1.....WHITE SINGLE ARROW	TURN LANES
(L) TYPE B CLASS 1.....WHITE COMBINATION ARROW	TURN LANES
(M) TYPE B CLASS 1.....WHITE 8" LETTERS	PAVEMENT LETTERS (STOP, YIELD, BUS, ONLY etc.)
(N) TYPE B CLASS 1.....WHITE 6" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
(O) TYPE B CLASS 1.....WHITE 12" WIDTH, 20' SPACING @45 DEGREE	GORE MARKINGS
(P) TYPE B CLASS 1.....YELLOW 12" WIDTH, 20' SPACING @45 DEGREE	GORE MARKINGS

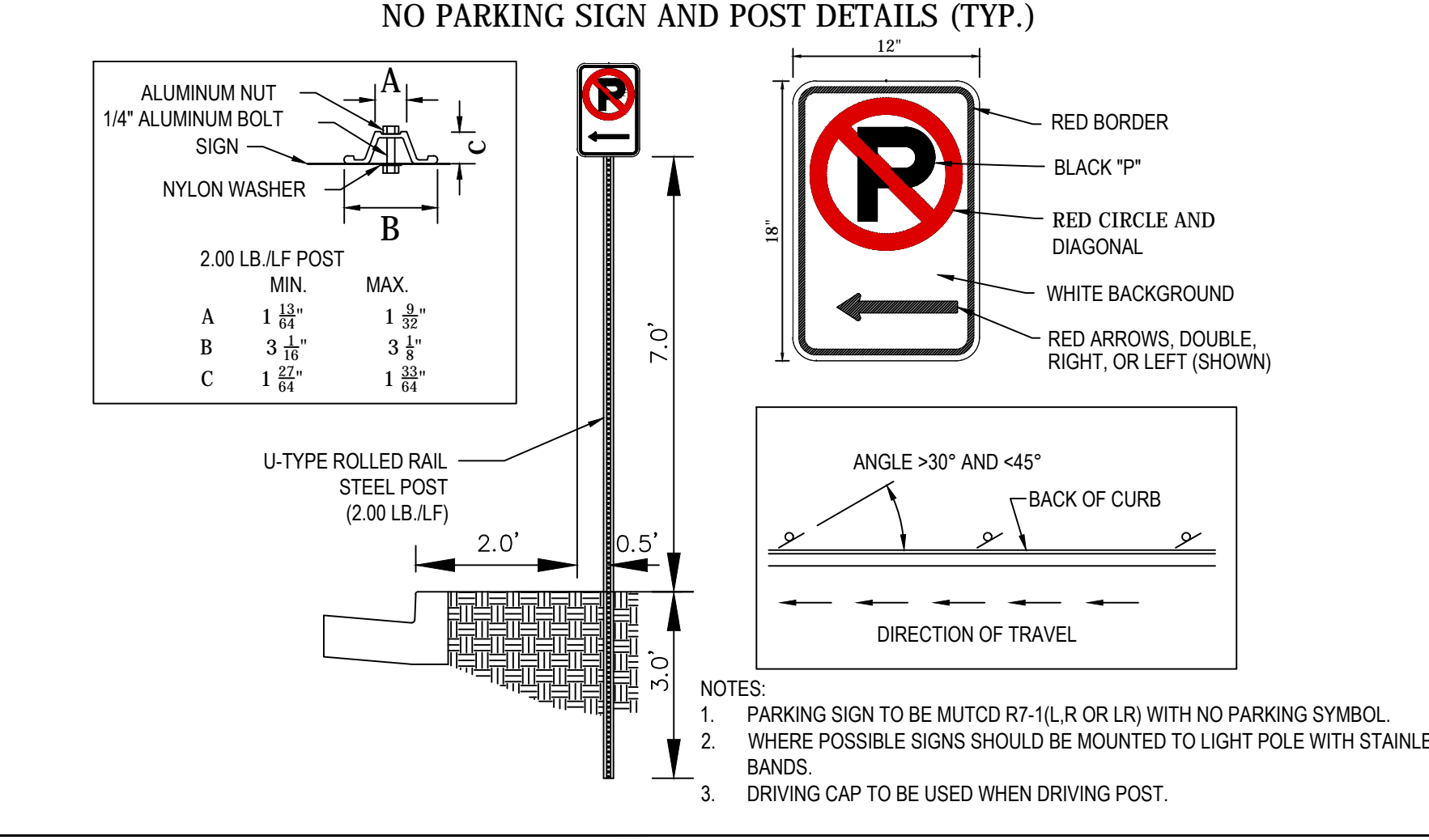
LEGEND

EXISTING	PROPOSED

HIGH VISIBILITY CROSSWALK

STRIPING LEGEND

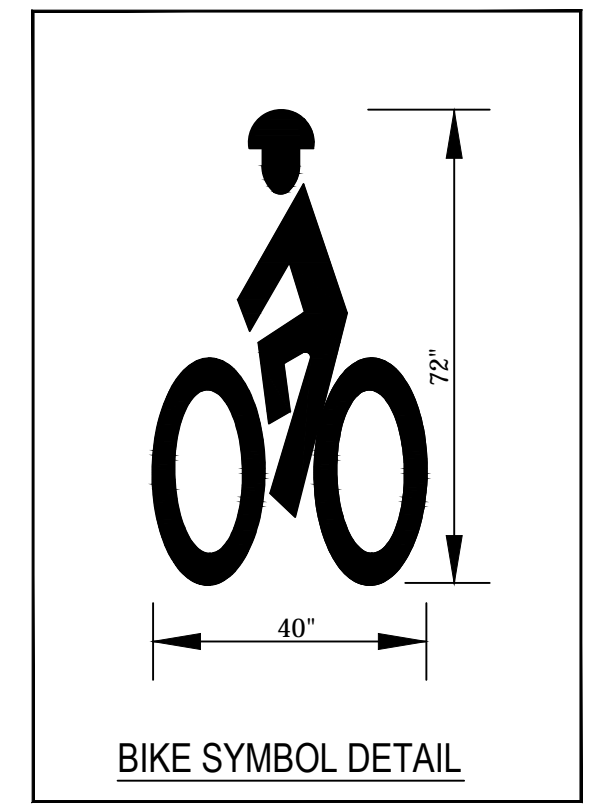
(A) EXISTING STRIPING
(B) PROPOSED STRIPING



- SIGN AND PAVEMENT MARKING NOTES:**
- STREET WIDTH MEASUREMENTS ARE FROM FACE OF CURB TO FACE OF CURB. LANES ARE MEASURED FROM CENTER OF MARKING TO CENTER OF MARKING.
 - CONTACT DENNIS HOWELL OR HIS DESIGNEE AT 703-228-6598 OR (571) 437-1077 TO APPROVE MARKING LAYOUT 48 HRS. PRIOR TO INSTALLATION OF MARKINGS.
 - PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE FOLLOWING AND ANY REVISIONS HERE TO:
 A) THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 B) ARLINGTON COUNTY MARKING STANDARDS.
 - ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING STANDARDS.
 - STOP BARS SHALL BE A MINIMUM OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF THERE IS NO MARKED CROSSWALK, STOP BAR SHALL BE NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTED TRAVELED WAY.
 - CROSSWALKS SHALL BE 10' WIDE UNLESS OTHERWISE NOTED.
 - LEFT TURN ARROWS SHALL BE LOCATED 25' BACK FROM STOP BAR. FOR ADDITIONAL ARROWS FOLLOW COUNTY MARKING STANDARDS.
 - ON-STREET PARKING LANE IS 7' WIDE (UNLESS OTHERWISE NOTED) AND MARKED WITH 4" WIDE WHITE LINES. BEGINNING AND END OF PARKING SHALL BE MARKED WITH AN END LINE PERPENDICULAR TO CURB EXCEPT AT NUBS OR WHERE OTHERWISE INDICATED.
 - SHARROWS SHALL BE PLACED IN CENTER OF LANE, 250' APART UNLESS OTHERWISE SPECIFIED.
 - BIKE LANE SYMBOLS TO BE PLACED 330' APART UNLESS OTHERWISE SPECIFIED.

PROPOSED SIGNS

SIGN NUMBER	1	3	4	5	6	7	8	9	10	11
SIGN										
STANDARD NUMBER	R6-1R	R4-7	R3-17	R3-17aP	R3-17bP	NOT IN USE	R7-1L	R7-1LR	R7-1R	R7-107a
SIZE	36" x 12"	24" x 30"	24" x 18"	24" x 8"	24" x 8"	12" x 18"	12" x 18"	12" x 18"	12" x 30"	30" x 30"



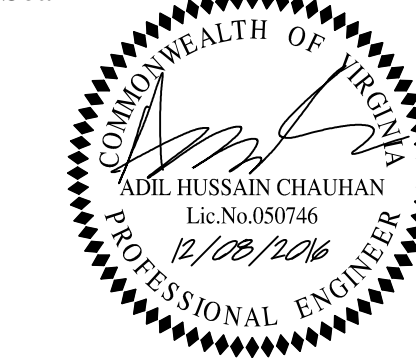
Project Name and Location
LONG BRIDGE DRIVE
 PAVEMENT MARKING & SIGNAGE PLAN
 LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.433.13.D.468.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A

Filename: D28S-Pavement Marking and Signage
 Path: Q:\Data\28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle

Scale: H: 1"=25'

Seal



Approvals Date

Quality Control Engineer	12/8/2016
Construction Management Supervisor	12/13/16
Water, Sewer Streets Bureau Chief	12/13/16
Transportation Director	12/13/16
Project Manager	12/13/16

Revisions Date

Revisions	Date

Project Name and Location

LONG BRIDGE DRIVE
MOT NOTES & CONSTRUCTION PHASING
LONG BRIDGE DRIVE / BOUNDARY CHANNEL DRIVE / I-395 INTERCHANGE ROAD REALIGNMENT

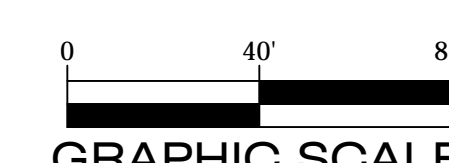
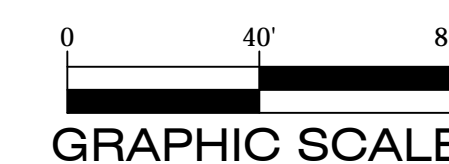
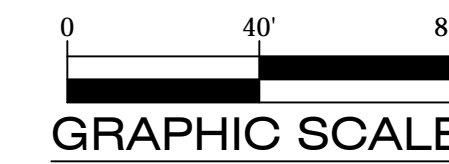
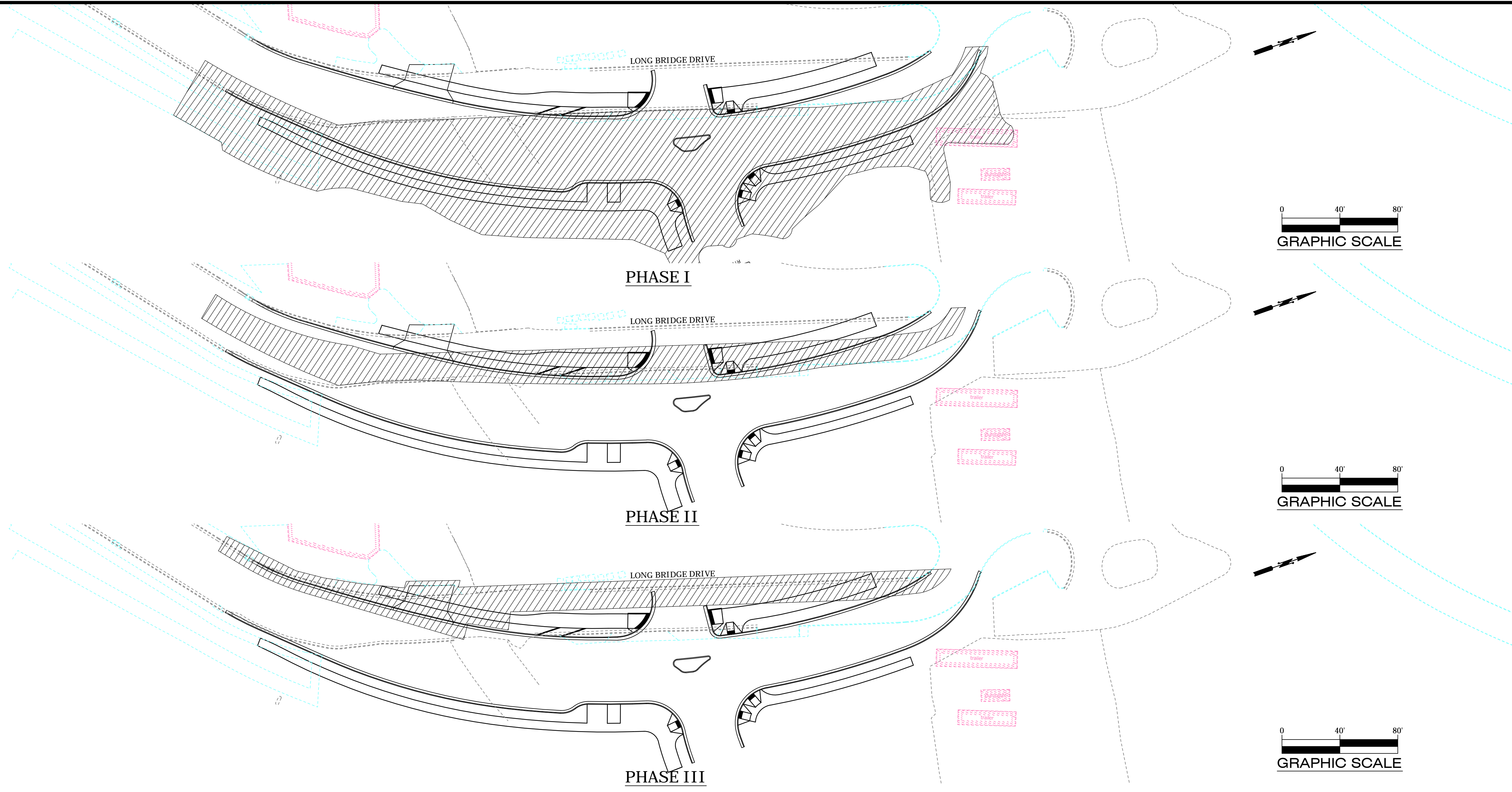
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Path: Q:\Data\28S\Design\Drawings
Plotted: January 06, 2017
Plotted by: Akafle

Scale: H: 1"=40'

Sheet **30 OF 33**

LEGEND:

- ARROW PANEL
- ARROW PANEL ON TRAILER
- AREA UNDER CONSTRUCTION
- AREA CONSTRUCTED IN PREVIOUS PHASE
- SUB-PHASE OF AREA UNDER CONSTRUCTION
- TRAFFIC FLOW
- TRAFFIC DRUM
- ARROW PANEL ON TRAILER
- SIGN
- TYPE III BARRICADE
- FLAGGER
- WORK VEHICLE
- LONGITUDINAL CHANNELIZING DEVICE



WORK HOURS:

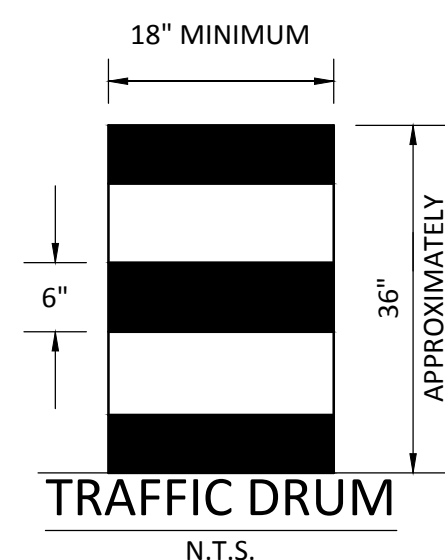
- IN ARLINGTON RIGHT-OF-WAY - 9 AM TO 4 PM (MON.-FRI.)
- IN VDOT RIGHT-OF-WAY - 9:30 AM TO 3 PM (MON.-THUR.) AND 9:30 AM TO 2 PM (FRI.)
- ALL LANES SHALL BE FULLY OPEN TO TRAFFIC OUTSIDE THE ABOVE HOURS UNLESS SPECIFIED OTHERWISE IN THE MAINTENANCE OF TRAFFIC PLANS.

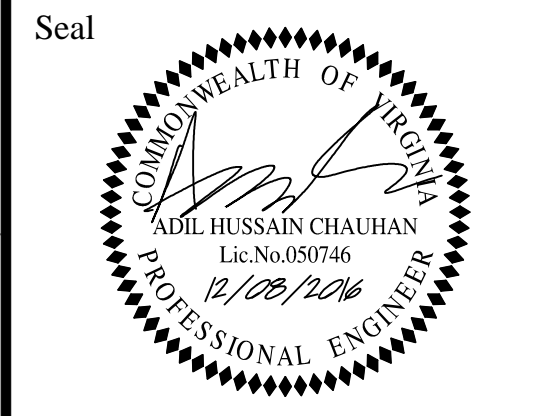
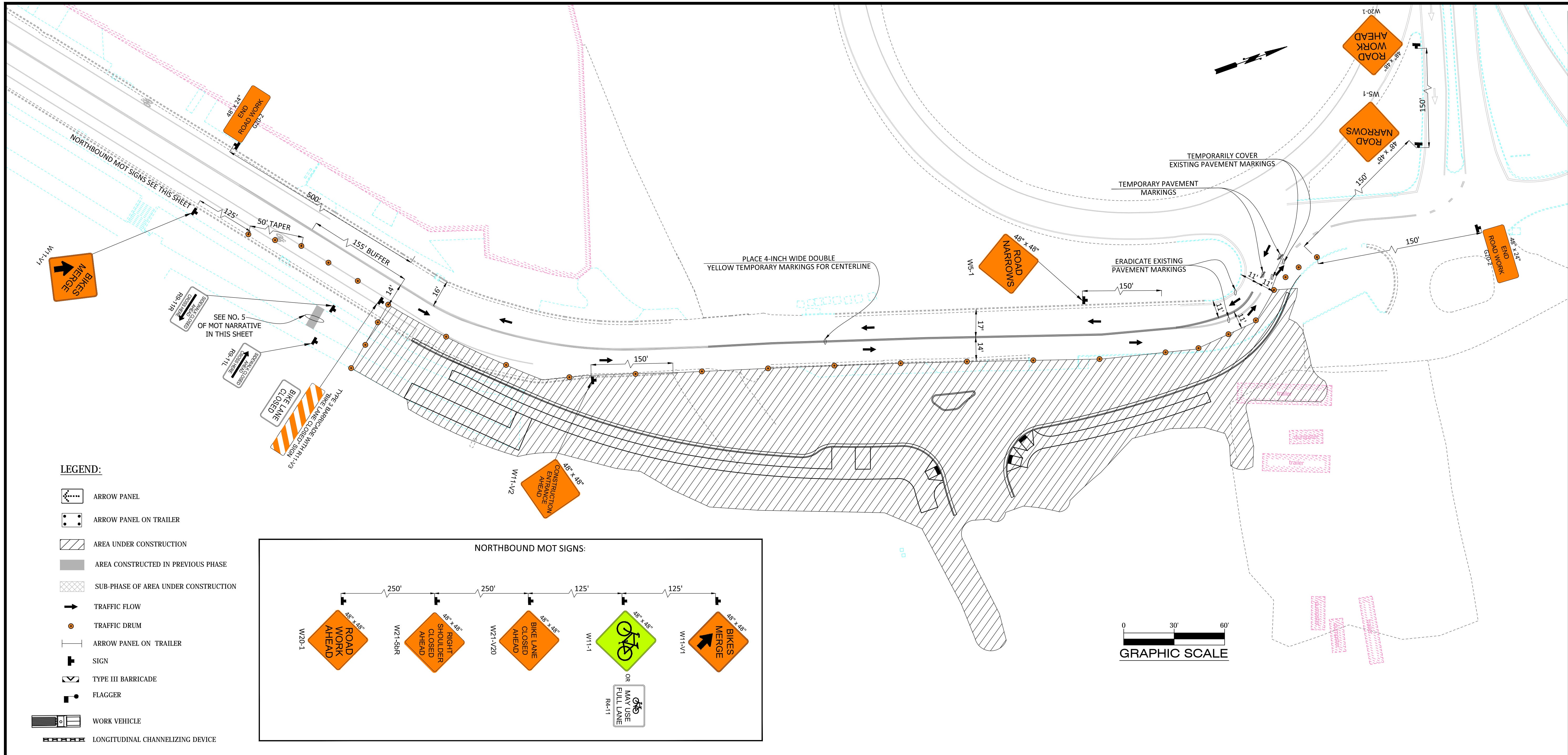
FIRE DEPARTMENT NOTES:

- ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS SHALL BE MAINTAINED UNOBSTRUCTED AND ACCESSIBLE AT ALL TIMES IN ACCORDANCE WITH SECTIONS 508.5.4 AND 508.5.5 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
- ACCESS TO BUILDINGS FOR FIREFIGHTING SHALL BE MAINTAINED AT ALL TIMES. EXISTING FIRE APPARATUS ACCESS ROADS (FIRE LANES) SHALL BE KEPT CLEAR OF OBSTRUCTIONS IN ACCORDANCE WITH SECTION 503.4 OF THE ARLINGTON COUNTY FIRE PREVENTION CODES. ACCESS TO CONSTRUCTION SITES SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH SECTION 1410 OF THE ARLINGTON COUNTY FIRE PREVENTION CODES.
- IN THE EVENT THAT EXISTING FIRE DEPARTMENT CONNECTIONS OR FIRE APPARATUS ACCESS ROADS (FIRE LANES) MUST BE OBSTRUCTED TO FACILITATE CONSTRUCTION ACTIVITIES, CONTACT THE ARLINGTON COUNTY FIRE DEPARTMENT FIRE PREVENTION OFFICE AT 703-228-4644 TO COORDINATE REVIEW AND APPROVAL OF TEMPORARY FIRE DEPARTMENT CONNECTIONS AND/OR FIRE APPARATUS ACCESS ROADS PRIOR TO CREATING THE OBSTRUCTION.

MOT NOTES:

- PARKING SHALL BE RESTRICTED BY THE COUNTY AS PART OF THE RIGHT-OF-WAY PERMIT. CONTACT DES-PERMITTING SECTION (703-228-4798) AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL COORDINATE WITH ARLINGTON COUNTY TRANSIT BUREAU (703-228-3049) AT LEAST 2 WEEKS PRIOR TO COMMENCEMENT OF WORK FOR APPROVAL. IF TRANSIT IS AFFECTED.
- ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
- UNLESS OTHERWISE SHOWN ON THE MAINTENANCE OF TRAFFIC PLAN, THE TYPES AND DISTANCES BETWEEN CONSTRUCTION SIGNS ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD) AND ALL REVISIONS THERETO, THE VIRGINIA SUPPLEMENT TO THE MUTCD AND ALL REVISIONS THERETO, AND THE VIRGINIA WORK AREA PROTECTION MANUAL, 2011 (VA WAPM) AND ALL REVISIONS THERETO.
- NO WORK SHALL BEGIN UNTIL THE TEMPORARY CONTROL DEVICES ARE PLACED PER THIS MAINTENANCE OF TRAFFIC PLAN.
- NO LANE CLOSURES ON ARTERIAL STREETS WILL BE PERMITTED ON HOLIDAYS AS NOTED IN THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS.
- ALL FLAGGERS FOR WORK ZONES UNDER CONSTRUCTION SHALL USE APPROPRIATE DEVICES TO COMMUNICATE AND COORDINATE THEIR OPERATION TO ENSURE SAFE TRAVEL FOR VEHICLES THROUGH THE WORK ZONE.
- CONTRACTOR SHALL BAG ALL EXISTING SIGNS THAT CONFLICT WITH PROPOSED MOT SIGNAGE. CONTRACTOR SHALL REMOVE BAGS AS APPROPRIATE.
- CONTRACTOR IS RESPONSIBLE FOR PLANNING WORK WITHIN EACH PHASE TO COMPLETE THE WORK EFFICIENTLY AND EFFECTIVELY.
- TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS AND TEMPORARY ASPHALT CONCRETE, WHERE REQUIRED, SHALL BE INSTALLED FOR ALL PHASES. CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL FURNISH, INSTALL AND OPERATE TWO (2) VARIABLE MESSAGE BOARDS DURING CONSTRUCTION.
- PORTABLE VARIABLE MESSAGE SIGNS WITH CLOSURE INFORMATION MUST BE INSTALLED AHEAD OF WORK AREA 3 WEEKS PRIOR TO CLOSURE.
- ALL TRAFFIC CONTROL DEVICES MUST BE INSTALLED IN STRICT COMPLIANCE WITH VA WORK PROTECTION MANUAL (2011).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE WALKWAYS FOR PEDESTRIANS WITHIN OR AROUND THE CONSTRUCTION AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ACTIVITIES WITH ADJACENT ALLEY/DRIVEWAY ENTRANCES TO PROVIDE ADEQUATE EGRESS/INGRESS AT ALL TIMES. OWNERS OF PROPERTIES WHERE DRIVEWAYS ARE AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT OF WORK IN THE APPLICABLE WORK ZONE. THE NOTIFICATIONS SHALL INCLUDE DETAILED DIRECTIONS ON THE EXIT PROCEDURES FROM DRIVEWAYS IN WORK ZONES.
- DIRECTIONAL ARROWS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS ARE FOR INFORMATION ONLY AND ARE NOT TO BE PLACED AS PAVEMENT MARKINGS.
- MAINTENANCE OF TRAFFIC PLANS AND DETAILS SHOWN HERE SHALL BE FOLLOWED BY THE CONTRACTOR DURING CONSTRUCTION. SHOULD THE CONTRACTOR DESIRE TO FOLLOW AN ALTERNATE PLAN, HE SHALL SUBMIT THE PLAN PRIOR TO CONSTRUCTION FOR REVIEW AND APPROVAL. ALTERNATIVE PLAN PREPARATION SHALL BE NO COST TO THE COUNTY.
- CONTRACTOR TO CONTACT ARLINGTON COUNTY DEPT. OF TRANSPORTATION PRIOR TO INSTALLATION OF PERMANENT PAVEMENT MARKINGS.
- ONE LANE CLOSURE IN EACH DIRECTION OF TRAVEL WILL BE PERMITTED FOR FINAL PAVEMENT OVERLAY.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN THE FLOW OF TRAFFIC ON ANY INTERSECTION WITHIN THE WORK AREA.
- CONTRACTOR SHALL NOTIFY ARLINGTON COUNTY PUBLIC SCHOOLS TWO WEEKS PRIOR TO STARTING CONSTRUCTION.





Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

LONG BRIDGE DRIVE
 MAINTENANCE OF TRAFFIC - PHASE I
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE/ I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.433.13.D46S.S12.0000

Project Name and Location

MOT NARRATIVE FOR PHASE I:

1. THE POSTED SPEED LIMIT ALONG LONG BRIDGE DRIVE IS 25 MPH AND THE CONSTRUCTION DURATION FOR THIS PHASE IS LESS THAN 4 MONTHS.
2. MAXIMUM DEVICE SPACING PARALLEL TO ROADWAY SHALL BE 40' O.C. MAXIMUM DEVICE SPACING ON TANGENTS AND TAPERS SHALL BE 20' O.C.
3. REFER TO SHEET 29 FOR THE LIMITS OF ERADICATION OF EXISTING PAVEMENT MARKINGS. CONTRACTOR SHALL ERADICATE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE COMPLETED WORK. ALSO, EXISTING PAVEMENT MARKINGS ALONG VDOT ROW SHALL BE COVERED TO MAINTAIN 11' TWO-WAY TRAVEL ACCESS ALONG THE NORTH END OF LONG BRIDGE DRIVE.
4. ALL THE STREETSCAPE WORK ALONG WITH THE WET AND DRY UTILITIES WORK WITHIN THE AREA UNDER CONSTRUCTION SHALL BE COMPLETED AS A PART OF THIS PHASE.
5. CONTRACTOR SHALL MAINTAIN THE ADA ACCESS TO LONG BRIDGE PARKS AT ALL TIMES DURING THE CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE THE PARKING CLOSURES ALONG LONG BRIDGE DRIVE WITH THE PROJECT OFFICER.
7. THERE SHALL BE NO FLAGGING OPERATIONS IN VDOT ROW. IF REQUIRED, CONTRACTOR SHALL EXTEND THE EXISTING PAVEMENT WIDTH OR USE OTHER METHODS AT THE APPROVAL OF PROJECT OFFICER ALONG THE NORTH END OF LONG BRIDGE DRIVE TO AVOID FLAGGING OPERATIONS ALONG VDOT ROW. NO ADDITIONAL PAYMENT SHALL BE ALLOWED FOR THIS WORK AND THE CONTRACTOR SHALL ACCOUNT FOR THIS WORK IN THE BID.

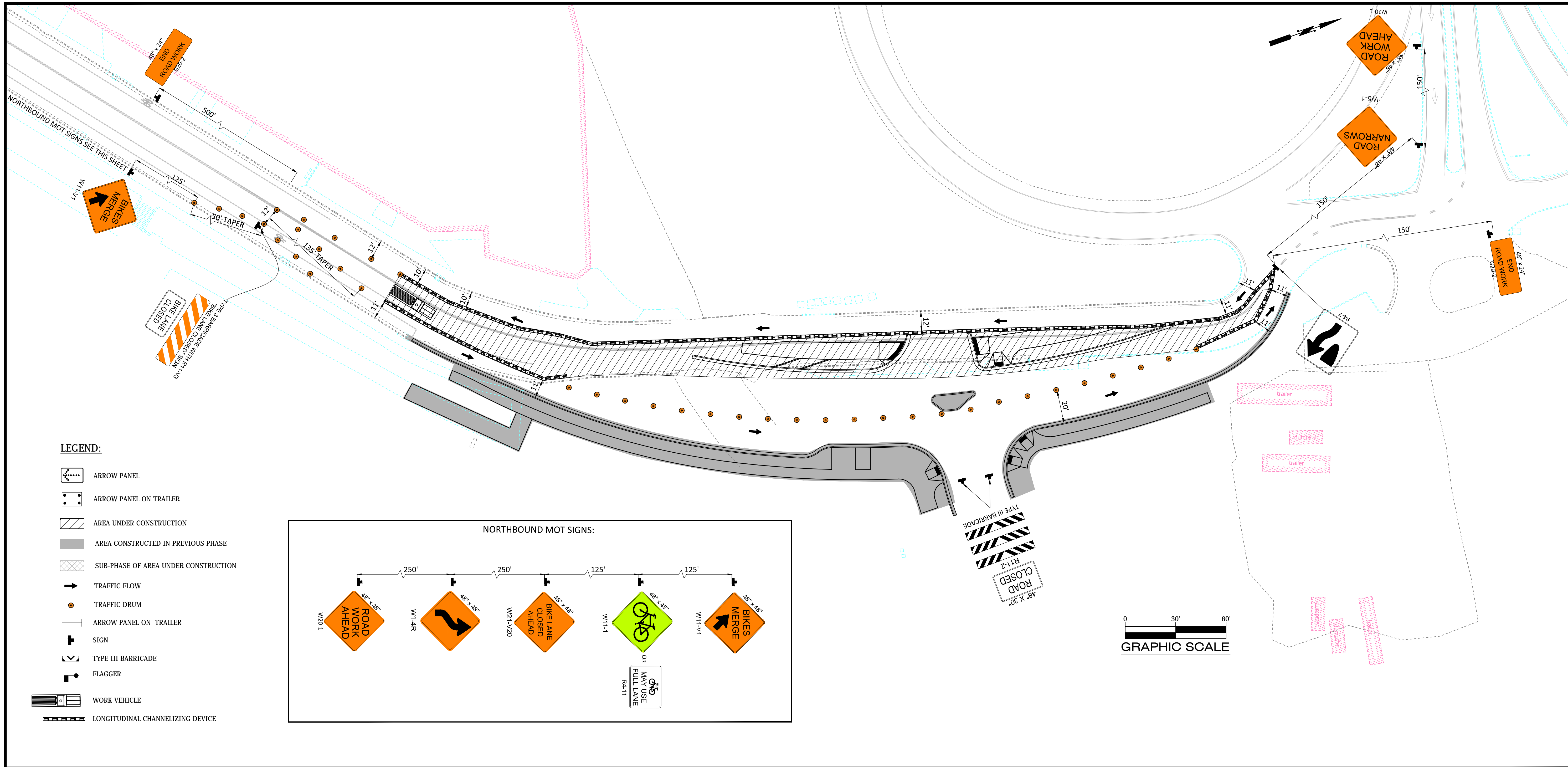
APPROVED

[Signature] 11/7/16
 Signature Date

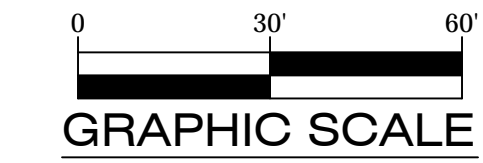
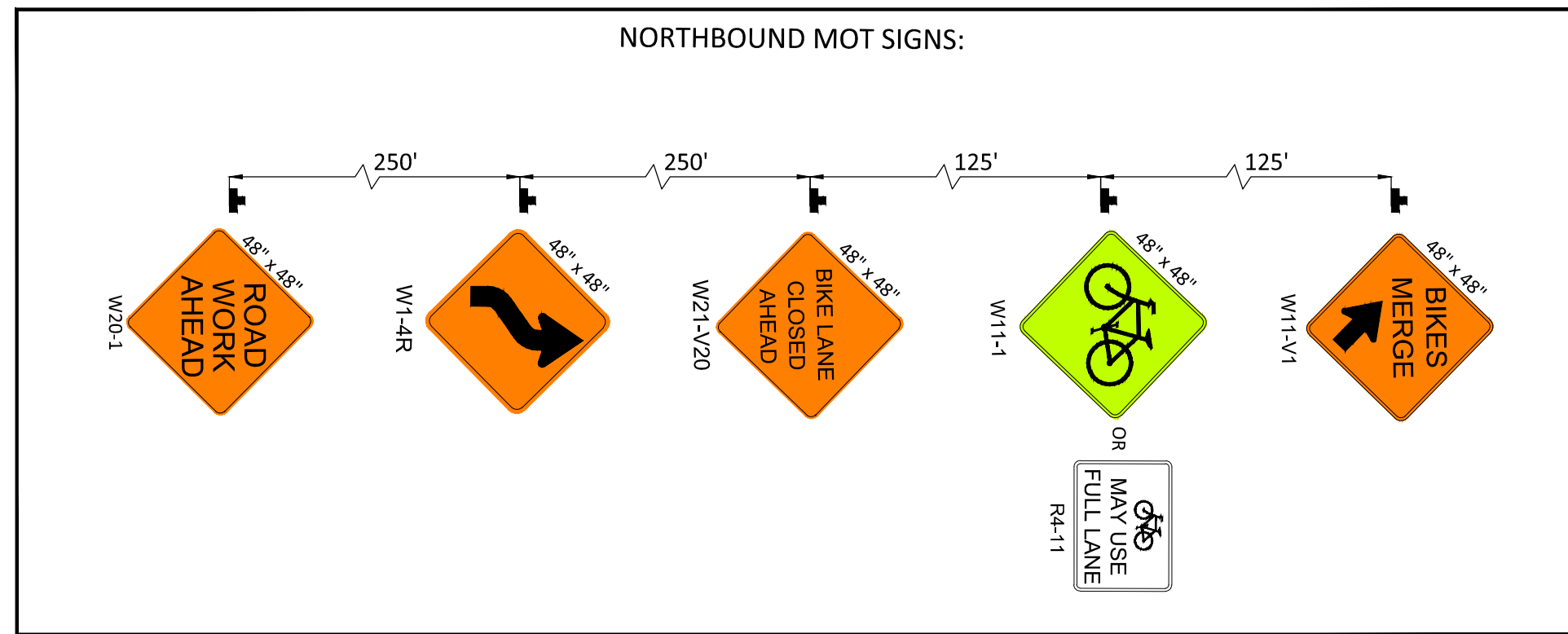
Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A

Filename: D28S-MOT.dwg
 Path: Q:\Data\D28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle

Scale: H: 1"=30'



- LEGEND:**
- ARROW PANEL
 - ARROW PANEL ON TRAILER
 - AREA UNDER CONSTRUCTION
 - AREA CONSTRUCTED IN PREVIOUS PHASE
 - SUB-PHASE OF AREA UNDER CONSTRUCTION
 - TRAFFIC FLOW
 - TRAFFIC DRUM
 - ARROW PANEL ON TRAILER
 - SIGN
 - TYPE III BARRICADE
 - FLAGGER
 - WORK VEHICLE
 - LONGITUDINAL CHANNELIZING DEVICE



MOT NARRATIVE FOR PHASE II:

1. THE POSTED SPEED LIMIT ALONG LONG BRIDGE DRIVE IS 25 MPH AND THE CONSTRUCTION DURATION FOR THIS PHASE IS LESS THAN 4 MONTHS.
2. MAXIMUM DEVICE SPACING PARALLEL TO ROADWAY SHALL BE 40' O.C. MAXIMUM DEVICE SPACING ON TANGENTS AND TAPERS SHALL BE 20' O.C.
3. SHADOW VEHICLE WITH AT LEAST ONE ROTATING, OSCILLATING OR AMBER STROBE LIGHT SHALL BE PARKED 80'-120' IN ADVANCE OF THE WORK CREW.
4. REFER TO SHEET 29 FOR THE LIMITS OF ERADICATION OF EXISTING PAVEMENT MARKINGS. CONTRACTOR SHALL ERADICATE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE COMPLETED WORK.
5. ALL THE STREETScape WORK ALONG WITH THE WET AND DRY UTILITIES WORK WITHIN THE AREA UNDER CONSTRUCTION SHALL BE COMPLETED AS A PART OF THIS PHASE.
6. CONTRACTOR SHALL COORDINATE THE PARKING CLOSURES ALONG LONG BRIDGE DRIVE WITH THE PROJECT OFFICER.
7. THERE SHALL BE NO FLAGGING OPERATIONS IN VDOT ROW. IF REQUIRED, CONTRACTOR SHALL EXTEND THE EXISTING PAVEMENT WIDTH OR USE OTHER METHODS AT THE APPROVAL OF PROJECT OFFICER ALONG THE NORTH END OF LONG BRIDGE DRIVE TO AVOID FLAGGING OPERATIONS ALONG VDOT ROW. NO ADDITIONAL PAYMENT SHALL BE ALLOWED FOR THIS WORK AND THE CONTRACTOR SHALL ACCOUNT FOR THIS WORK IN THE BID.

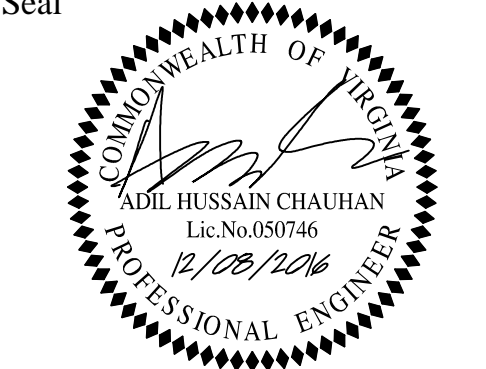


DEPARTMENT OF ENVIRONMENTAL SERVICES

Facilities & Engineering Division
 Engineering Bureau
 2100 Clarendon Boulevard, Suite 813
 Arlington, VA 22201
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 Fax: 703.228.3606

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Seal



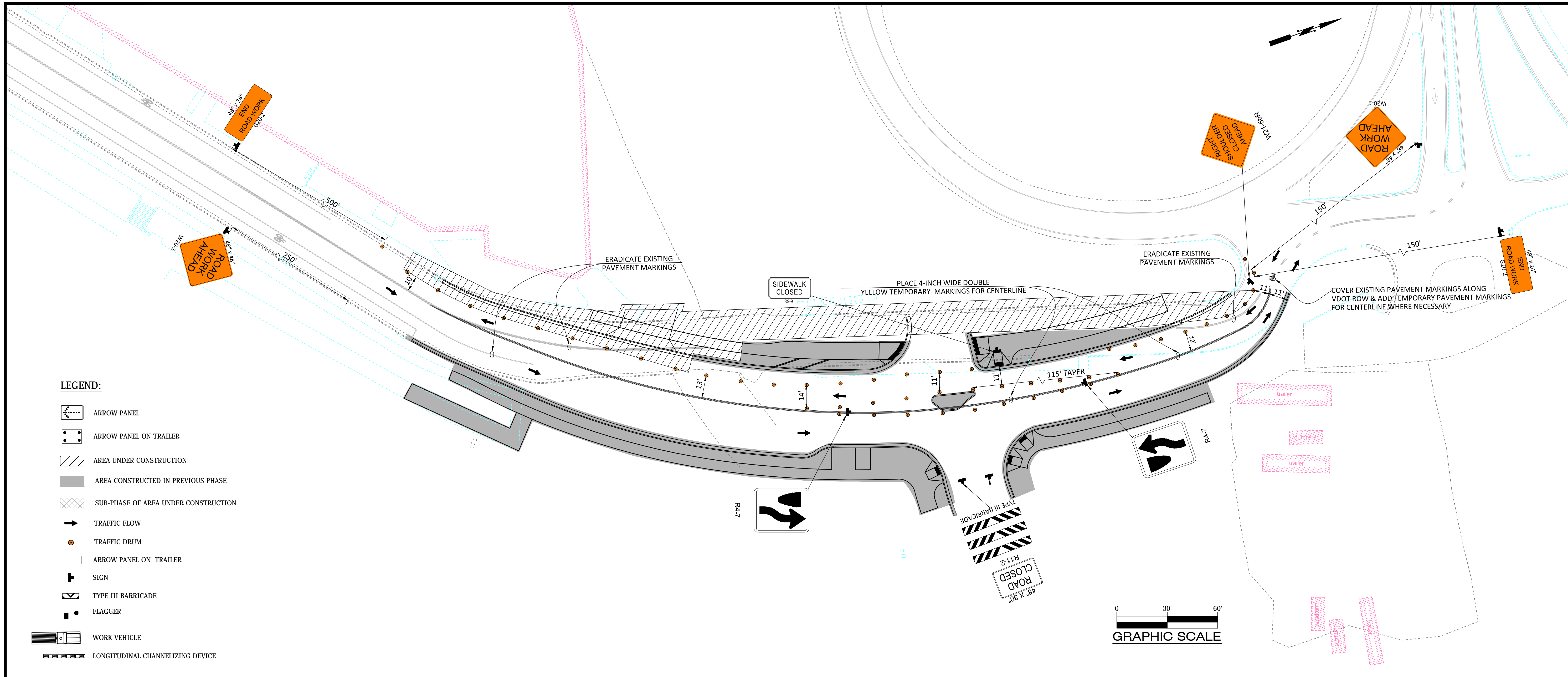
Approvals	Date
<i>[Signature]</i> QUALITY CONTROL ENGINEER	12/8/2016
<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

Project Name and Location

LONG BRIDGE DRIVE
 MAINTENANCE OF TRAFFIC - PHASE II
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.43513.D46S.S12.0000

Designed: A.K.
 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
 Filename: D28S-MOT-PHASE II.dwg
 Path: Q:\Data\28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle
 Scale: H: 1"=30'



- LEGEND:**
- ARROW PANEL
 - ARROW PANEL ON TRAILER
 - AREA UNDER CONSTRUCTION
 - AREA CONSTRUCTED IN PREVIOUS PHASE
 - SUB-PHASE OF AREA UNDER CONSTRUCTION
 - TRAFFIC FLOW
 - TRAFFIC DRUM
 - ARROW PANEL ON TRAILER
 - SIGN
 - TYPE III BARRICADE
 - FLAGGER
 - WORK VEHICLE
 - LONGITUDINAL CHANNELIZING DEVICE

MOT NARRATIVE FOR PHASE III:

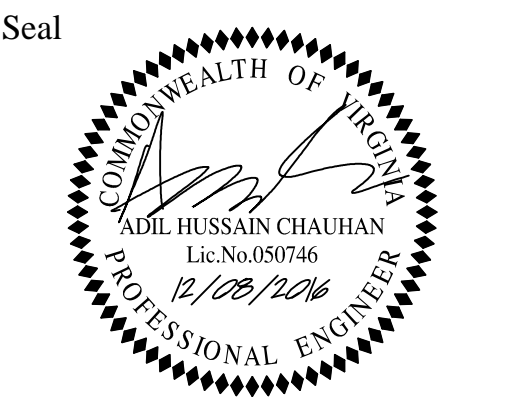
1. THE POSTED SPEED LIMIT ALONG LONG BRIDGE DRIVE IS 25 MPH AND THE CONSTRUCTION DURATION FOR THIS PHASE IS LESS THAN 2 MONTHS.
2. MAXIMUM DEVICE SPACING PARALLEL TO ROADWAY SHALL BE 40' O.C. MAXIMUM DEVICE SPACING ON TANGENTS AND TAPERS SHALL BE 20' O.C.
3. CONSTRUCTION FOR THE WORK ON AND AROUND THE SELF STORAGE FACILITY ENTRANCE SHALL BE SEQUENCED SUCH THAT VEHICULAR ACCESS FOR THE FACILITY IS MAINTAINED AT ALL TIMES.
4. REFER TO SHEET 29 FOR THE LIMITS OF ERADICATION OF EXISTING PAVEMENT MARKINGS. CONTRACTOR SHALL ERADICATE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE COMPLETED WORK. IF NEEDED, EXISTING PAVEMENT MARKINGS ALONG VDOT ROW SHALL BE COVERED TO MAINTAIN ATLEAST 10' TWO-WAY TRAVEL ACCESS ALONG THE NORTH END OF LONG BRIDGE DRIVE.
5. ALL THE STREETScape WORK ALONG WITH THE WET AND DRY UTILITIES WORK WITHIN THE AREA UNDER CONSTRUCTION SHALL BE COMPLETED AS A PART OF THIS PHASE.
6. THERE SHALL BE NO FLAGGING OPERATIONS IN VDOT ROW. IF REQUIRED, CONTRACTOR SHALL EXTEND THE EXISTING PAVEMENT WIDTH OR USE OTHER METHODS AT THE APPROVAL OF PROJECT OFFICER ALONG THE NORTH END OF LONG BRIDGE DRIVE TO AVOID FLAGGING OPERATIONS ALONG VDOT ROW. NO ADDITIONAL PAYMENT SHALL BE ALLOWED FOR THIS WORK AND THE CONTRACTOR SHALL ACCOUNT FOR THIS WORK IN THE BID.



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<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/13/16
<i>[Signature]</i> WATER, SEWER STREETS BUREAU CHIEF	12/13/16
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/13/16
<i>[Signature]</i> PROJECT MANAGER	12/13/16

Revisions	Date

LONG BRIDGE DRIVE
 MAINTENANCE OF TRAFFIC - PHASE III
 LONG BRIDGE DRIVE / BOUNDARY
 CHANNEL DRIVE / I-395 INTERCHANGE
 ROAD REALIGNMENT
 314.43513.D468.S12.0000

Project Name and Location
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 Drawn: A.K.
 Checked: A.C.
 Miss Utility Transmittal #: N/A
 Filename: D28S-MOT-PHASE III.dwg
 Path: Q:\Data\28S\Design\Drawings
 Plotted: January 06, 2017
 Plotted by: Akafle
 Scale: H: 1"=30'