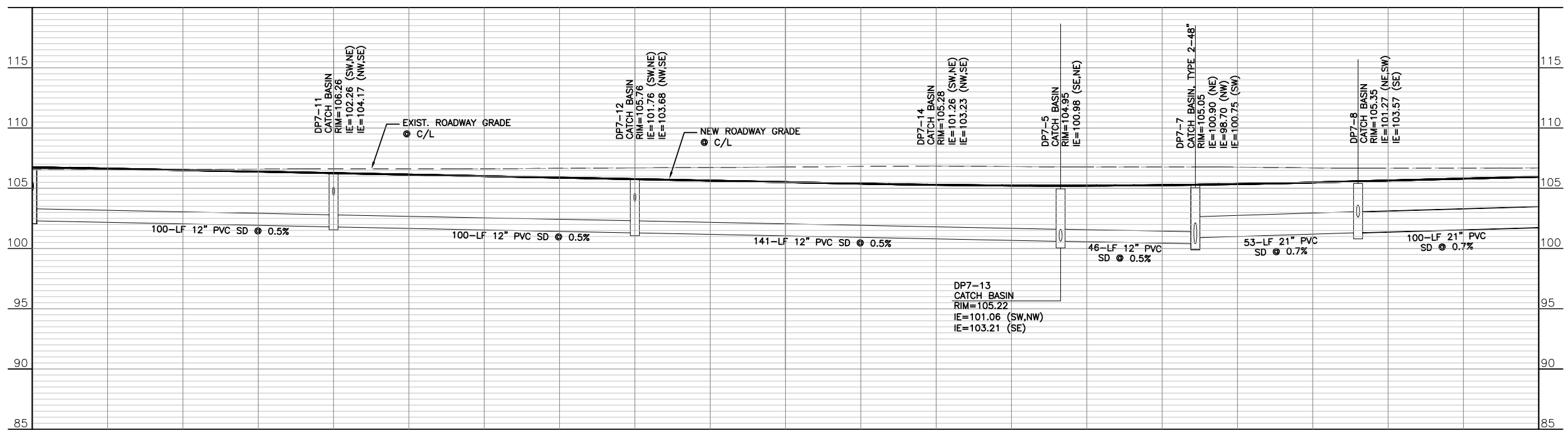


PLAN
1"=40'

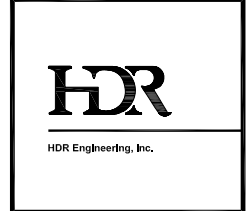
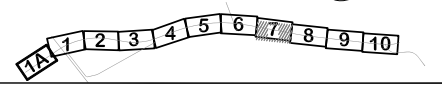


PROFILE
SCALE: 1:4V, 1:1H

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE CITY OF ARLINGTON STORM DRAINAGE NOTES ON SHEET SD1.
 3. ALL CATCH BASINS ARE TYPE 1 PER CITY OF ARLINGTON STD. DETAIL SD-020 UNLESS OTHERWISE NOTED ON PLANS. FOR CATCH BASINS LOCATED ON THE GUTTER LINE, OFFSETS PROVIDED ON PLANS REFER TO FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-060 FOR STANDARD GRATE OR STD. DETAIL SD-080 FOR SOLID COVER, AND STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE THE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 4. INSTALL CATCH BASIN INLET PROTECTION TO ALL PROPOSED CATCH BASINS DURING CONSTRUCTION. SEE DETAIL ON SHEET SPD1.

- (X) **DRAINAGE NOTES**
1. POROUS ASPHALT TRAIL
 2. FISH PASSABLE CULVERT, SEE DETAILS ON SHEETS FP1-FP3
 3. INFILTRATION TRENCH, SEE DETAIL ON SHEET SD1
 4. HYDRODYNAMIC SEPARATING WATER QUALITY MANHOLE WITH SOLID RING AND COVER PER CITY OF ARLINGTON STD. DETAIL SD-110. OFFSETS PROVIDED REFER TO CENTER OF STRUCTURE.
 5. COORDINATE AND/OR RESTORE IMPACTED UTILITY LINES. FIELD VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS, SHEETS UT1A-UT14
 6. REMOVE EXISTING STORM DRAINAGE FEATURES
 7. ABANDON EXISTING STORM DRAINAGE FEATURES
 8. CATCH BASIN TYPE 2 PER CITY OF ARLINGTON STD. DETAIL SD-040. FOR TYPE 2 CATCH BASINS LOCATED IN THE GUTTER LINE, OFFSETS PROVIDED REFER TO THE FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 9. CONCRETE INLET PER CITY OF ARLINGTON STD. DETAIL SD-010. OFFSETS PROVIDED ON PLANS REFER TO FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-060 FOR STANDARD GRATE DETAIL, AND STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 10. SECTIONAL CHAMBER INFILTRATION SYSTEM IN 6.3-FOOT WIDE TRENCH, SEE DETAIL ON SHEET SD2. OFFSETS GIVEN ARE TO CENTERLINE OF EACH SYSTEM. PROVIDE 24-INCH DEEP LAYER OF TREATMENT LINER AMENDED SOIL UNDER TRENCH
 11. ADJUST EXISTING CATCH BASIN OR MANHOLE RIM TO FINISHED GRADE
 12. OBSERVATION WELL STORM DRAIN CLEANOUT, SEE DETAIL ON SHEET SD1
 13. INFILTRATION TRENCH STORM DRAIN CLEANOUT, SEE DETAIL ON SHEET SD1
 14. COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE. FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN THE PUBLIC WORKS DEPARTMENT IN CASE OF EMERGENCY (360) 913-7058

KEY MAP



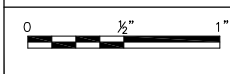
PROJECT MANAGER	
ISSUE	DATE
DESCRIPTION	
PROJECT NUMBER	0000000110731



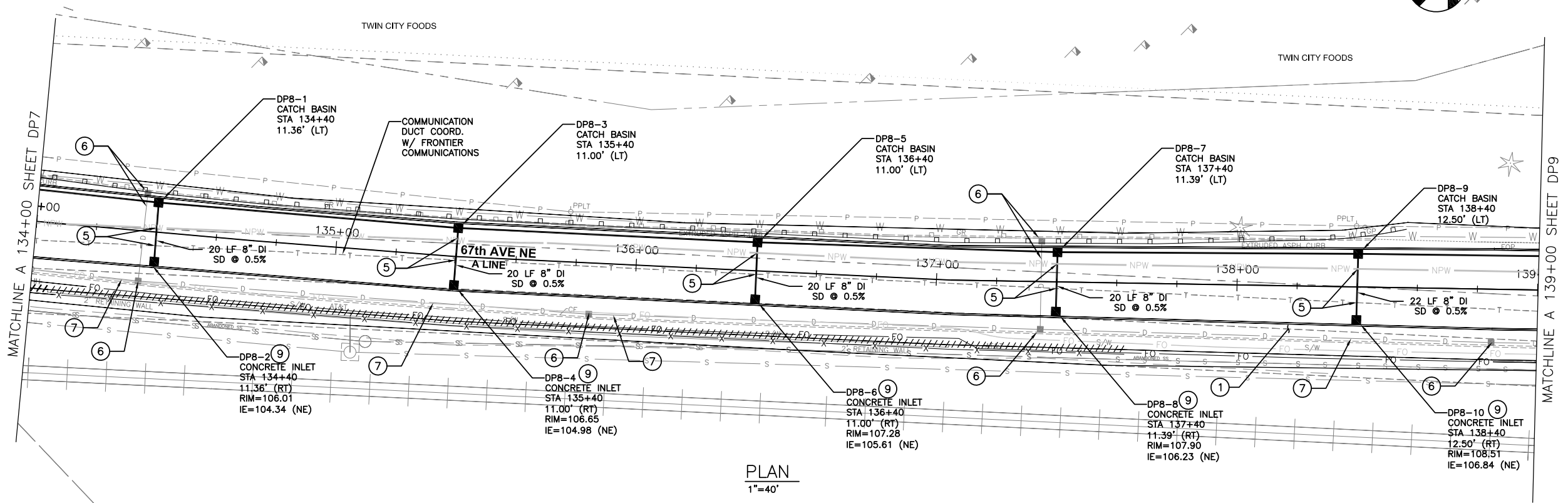
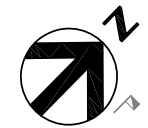
CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

DRAINAGE PLAN AND PROFILE

DP7
(7 OF 10)



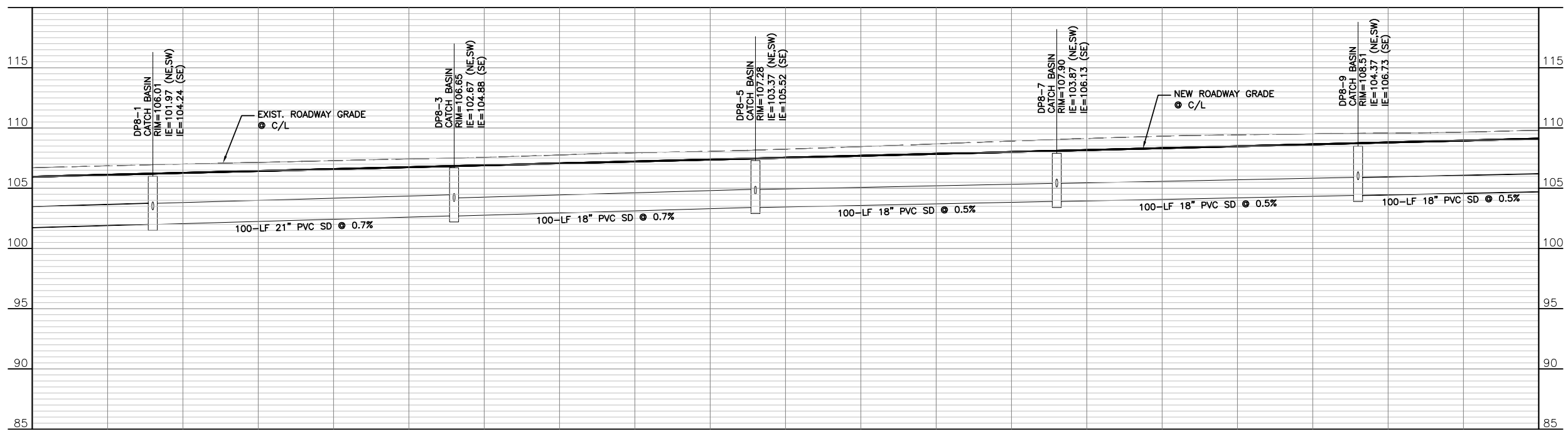
FILENAME	DP-00C-07.dwg	SHEET	
SCALE	1"=40' (11x17)		068



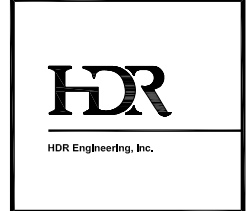
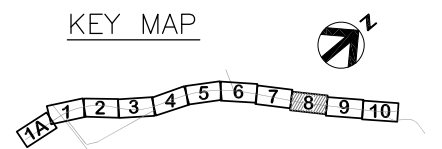
PLAN
1"=40'

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE CITY OF ARLINGTON STORM DRAINAGE NOTES ON SHEET SD1.
 3. ALL CATCH BASINS ARE TYPE 1 PER CITY OF ARLINGTON STD. DETAIL SD-020 UNLESS OTHERWISE NOTED ON PLANS. FOR CATCH BASINS LOCATED ON THE GUTTER LINE, OFFSETS PROVIDED ON PLANS REFER TO FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-060 FOR STANDARD GRATE OR STD. DETAIL SD-080 FOR SOLID COVER, AND STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE THE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 4. INSTALL CATCH BASIN INLET PROTECTION TO ALL PROPOSED CATCH BASINS DURING CONSTRUCTION. SEE DETAIL ON SHEET SPD1.

- (X) **DRAINAGE NOTES**
1. POROUS ASPHALT TRAIL
 2. FISH PASSABLE CULVERT, SEE DETAILS ON SHEETS FP1-FP3
 3. INFILTRATION TRENCH, SEE DETAIL ON SHEET SD1
 4. HYDRODYNAMIC SEPARATING WATER QUALITY MANHOLE WITH SOLID RING AND COVER PER CITY OF ARLINGTON STD DETAIL SD-110. OFFSETS PROVIDED REFER TO CENTER OF STRUCTURE.
 5. COORDINATE AND/OR RESTORE IMPACTED UTILITY LINES. FIELD VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS, SHEETS UT1A-UT14
 6. REMOVE EXISTING STORM DRAINAGE FEATURES
 7. ABANDON EXISTING STORM DRAINAGE FEATURES
 8. CATCH BASIN TYPE 2 PER CITY OF ARLINGTON STD. DETAIL SD-040. FOR TYPE 2 CATCH BASINS LOCATED IN THE GUTTER LINE, OFFSETS PROVIDED REFER TO THE FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 9. CONCRETE INLET PER CITY OF ARLINGTON STD. DETAIL SD-010. OFFSETS PROVIDED ON PLANS REFER TO FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-060 FOR STANDARD GRATE DETAIL, AND STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 10. SECTIONAL CHAMBER INFILTRATION SYSTEM IN 6.3-FOOT WIDE TRENCH, SEE DETAIL ON SHEET SD2. OFFSETS GIVEN ARE TO CENTERLINE OF EACH SYSTEM. PROVIDE 24-INCH DEEP LAYER OF TREATMENT LINER AMENDED SOIL UNDER TRENCH
 11. ADJUST EXISTING CATCH BASIN OR MANHOLE RIM TO FINISHED GRADE
 12. OBSERVATION WELL STORM DRAIN CLEANOUT, SEE DETAIL ON SHEET SD1
 13. INFILTRATION TRENCH STORM DRAIN CLEANOUT, SEE DETAIL ON SHEET SD1
 14. COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN THE PUBLIC WORKS DEPARTMENT IN CASE OF EMERGENCY (360) 913-7058



PROFILE
SCALE: 1:4V, 1:1H

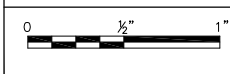


PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 0000000110731

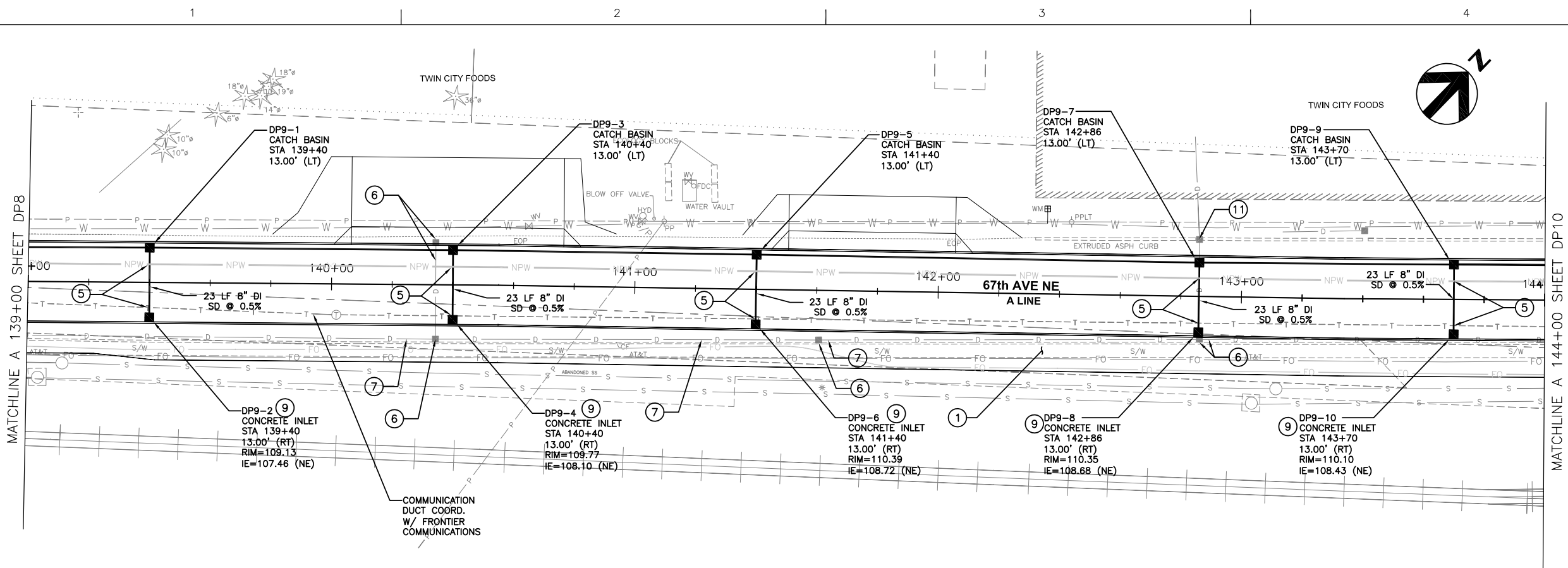


CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

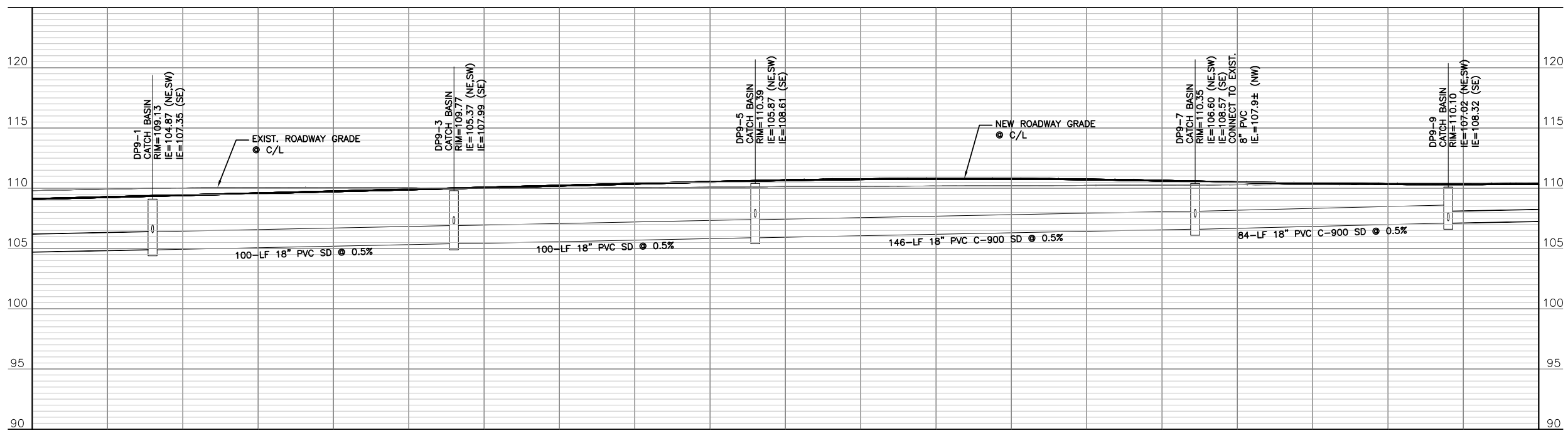
DRAINAGE PLAN AND PROFILE
DP8
(8 OF 10)



FILENAME	DP-00C-08.dwg	SHEET	069
SCALE	1"=40' (11x17)		



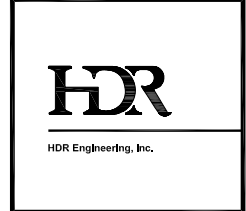
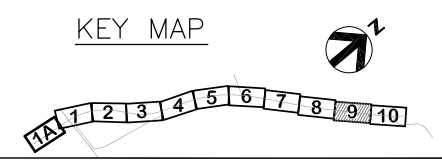
PLAN
1"=40'



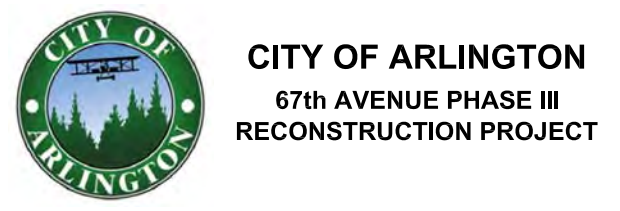
PROFILE
SCALE: 1:4V, 1:1H

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE CITY OF ARLINGTON STORM DRAINAGE NOTES ON SHEET SD1.
 3. ALL CATCH BASINS ARE TYPE 1 PER CITY OF ARLINGTON STD. DETAIL SD-020 UNLESS OTHERWISE NOTED ON PLANS. FOR CATCH BASINS LOCATED ON THE GUTTER LINE, OFFSETS PROVIDED ON PLANS REFER TO FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-080 FOR STANDARD GRATE OR STD. DETAIL SD-080 FOR SOLID COVER, AND STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE THE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 4. INSTALL CATCH BASIN INLET PROTECTION TO ALL PROPOSED CATCH BASINS DURING CONSTRUCTION. SEE DETAIL ON SHEET SPD1.

- (X) DRAINAGE NOTES**
1. POROUS ASPHALT TRAIL
 2. FISH PASSABLE CULVERT, SEE DETAILS ON SHEETS FP1-FP3
 3. INFILTRATION TRENCH, SEE DETAIL ON SHEET SD1
 4. HYDRODYNAMIC SEPARATING WATER QUALITY MANHOLE WITH SOLID RING AND COVER PER CITY OF ARLINGTON STD DETAIL SD-110. OFFSETS PROVIDED REFER TO CENTER OF STRUCTURE.
 5. COORDINATE AND/OR RESTORE IMPACTED UTILITY LINES. FIELD VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS, SHEETS UT1A-UT14
 6. REMOVE EXISTING STORM DRAINAGE FEATURES
 7. ABANDON EXISTING STORM DRAINAGE FEATURES
 8. CATCH BASIN TYPE 2 PER CITY OF ARLINGTON STD. DETAIL SD-040. FOR TYPE 2 CATCH BASINS LOCATED IN THE GUTTER LINE, OFFSETS PROVIDED REFER TO THE FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 9. CONCRETE INLET PER CITY OF ARLINGTON STD. DETAIL SD-010. OFFSETS PROVIDED ON PLANS REFER TO FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-060 FOR STANDARD GRATE DETAIL, AND STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 10. SECTIONAL CHAMBER INFILTRATION SYSTEM IN 6.3-FOOT WIDE TRENCH, SEE DETAIL ON SHEET SD2. OFFSETS GIVEN ARE TO CENTERLINE OF EACH SYSTEM. PROVIDE 24-INCH DEEP LAYER OF TREATMENT LINER AMENDED SOIL UNDER TRENCH
 11. ADJUST EXISTING CATCH BASIN OR MANHOLE RIM TO FINISHED GRADE
 12. OBSERVATION WELL STORM DRAIN CLEANOUT, SEE DETAIL ON SHEET SD1
 13. INFILTRATION TRENCH STORM DRAIN CLEANOUT, SEE DETAIL ON SHEET SD1
 14. COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN THE PUBLIC WORKS DEPARTMENT IN CASE OF EMERGENCY (360) 913-7058



PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 0000000110731

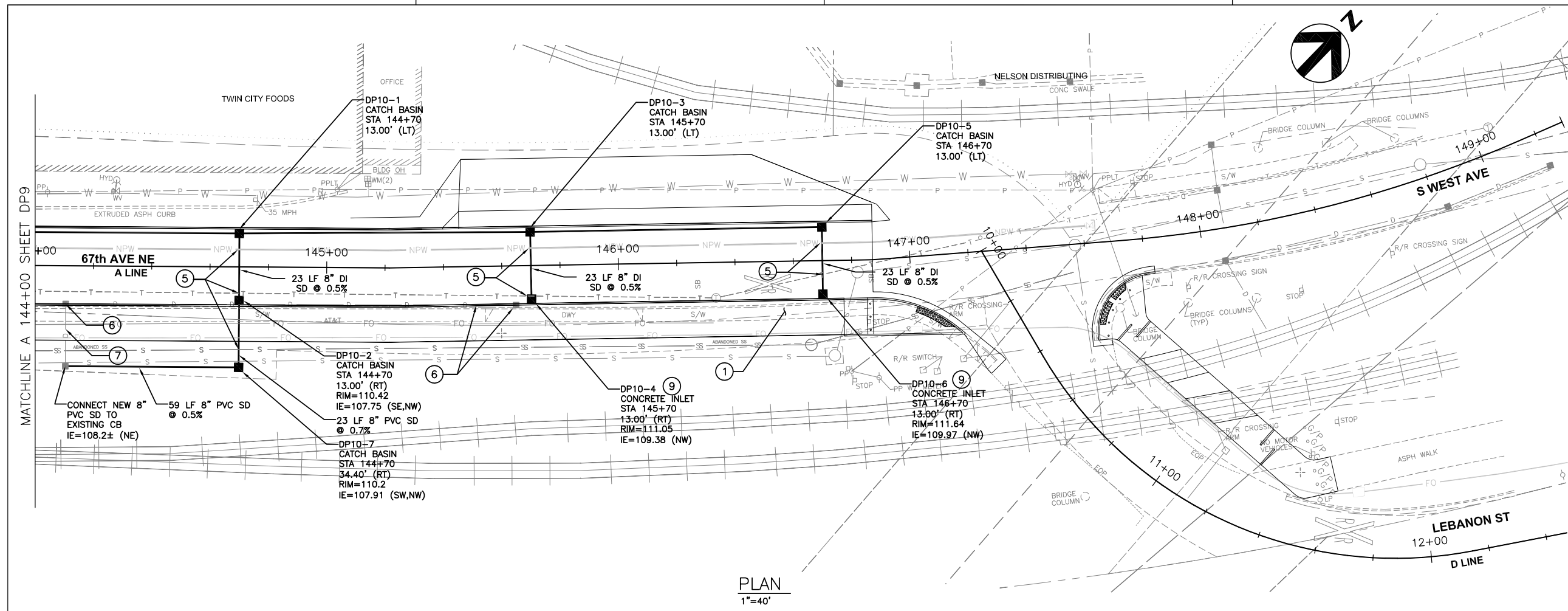


DRAINAGE PLAN AND PROFILE

**DP9
(9 OF 10)**

0 1/2" 1"

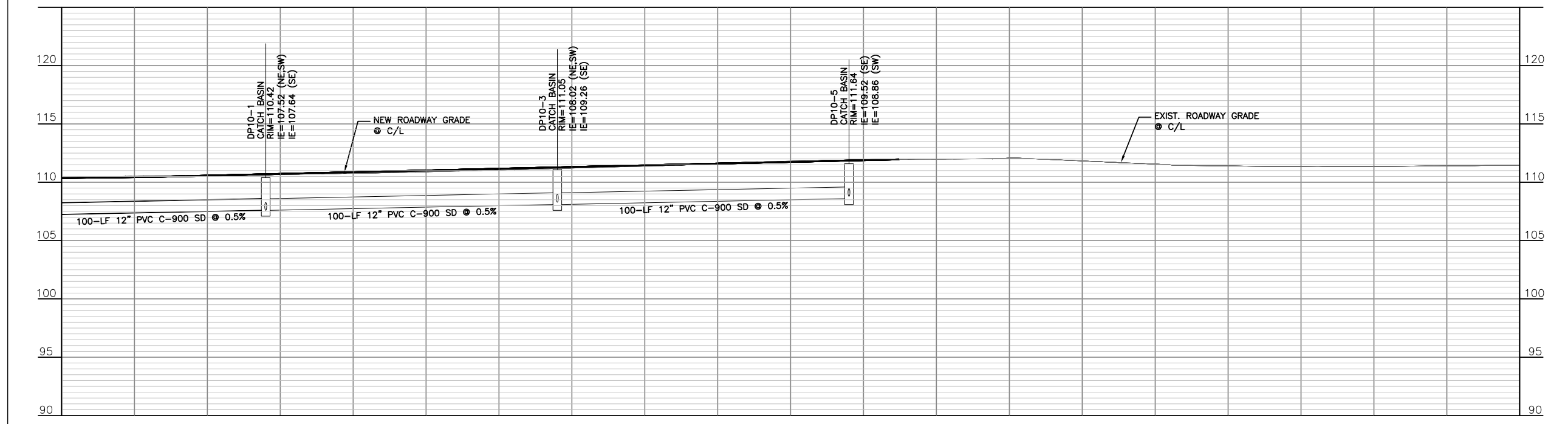
FILENAME	DP-00C-09.dwg	SHEET	070
SCALE	1"=40' (11x17)		



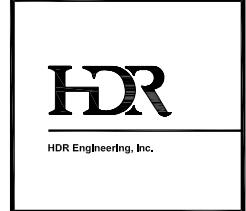
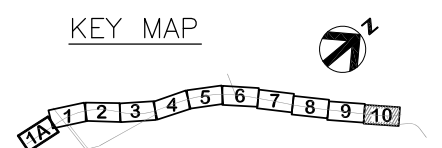
PLAN
1"=40'

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE CITY OF ARLINGTON STORM DRAINAGE NOTES ON SHEET SD1.
 3. ALL CATCH BASINS ARE TYPE 1 PER CITY OF ARLINGTON STD. DETAIL SD-020 UNLESS OTHERWISE NOTED ON PLANS. FOR CATCH BASINS LOCATED ON THE GUTTER LINE, OFFSETS PROVIDED ON PLANS REFER TO FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-060 FOR STANDARD GRATE OR STD. DETAIL SD-080 FOR SOLID COVER, AND STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE THE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 4. INSTALL CATCH BASIN INLET PROTECTION TO ALL PROPOSED CATCH BASINS DURING CONSTRUCTION. SEE DETAIL ON SHEET SPD1.

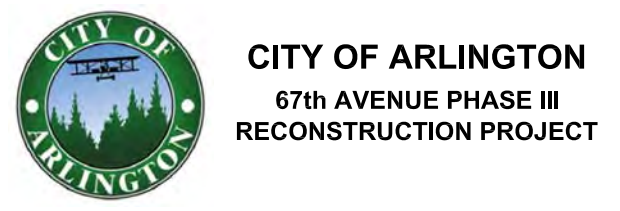
- (X) DRAINAGE NOTES**
1. POROUS ASPHALT TRAIL
 2. FISH PASSABLE CULVERT, SEE DETAILS ON SHEETS FP1-FP3
 3. INFILTRATION TRENCH, SEE DETAIL ON SHEET SD1
 4. HYDRODYNAMIC SEPARATING WATER QUALITY MANHOLE WITH SOLID RING AND COVER PER CITY OF ARLINGTON STD DETAIL SD-110. OFFSETS PROVIDED REFER TO CENTER OF STRUCTURE.
 5. COORDINATE AND/OR RESTORE IMPACTED UTILITY LINES. FIELD VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY PLANS, SHEETS UT1A-UT14
 6. REMOVE EXISTING STORM DRAINAGE FEATURES
 7. ABANDON EXISTING STORM DRAINAGE FEATURES
 8. CATCH BASIN TYPE 2 PER CITY OF ARLINGTON STD. DETAIL SD-040. FOR TYPE 2 CATCH BASINS LOCATED IN THE GUTTER LINE, OFFSETS PROVIDED REFER TO THE FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 9. CONCRETE INLET PER CITY OF ARLINGTON STD. DETAIL SD-010. OFFSETS PROVIDED ON PLANS REFER TO FACE OF CURB. SEE CITY OF ARLINGTON STD. DETAIL SD-060 FOR STANDARD GRATE DETAIL, AND STD. DETAIL SD-090 FOR FRAME AND GRATE INSTALLATION TO DETERMINE CENTER OF GRATE OFFSET FROM FACE OF CURB.
 10. SECTIONAL CHAMBER INFILTRATION SYSTEM IN 6.3-FOOT WIDE TRENCH, SEE DETAIL ON SHEET SD2. OFFSETS GIVEN ARE TO CENTERLINE OF EACH SYSTEM. PROVIDE 24-INCH DEEP LAYER OF TREATMENT LINER AMENDED SOIL UNDER TRENCH
 11. ADJUST EXISTING CATCH BASIN OR MANHOLE RIM TO FINISHED GRADE
 12. OBSERVATION WELL STORM DRAIN CLEANOUT, SEE DETAIL ON SHEET SD1
 13. INFILTRATION TRENCH STORM DRAIN CLEANOUT, SEE DETAIL ON SHEET SD1
 14. COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE. FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELVEA IN THE PUBLIC WORKS DEPARTMENT IN CASE OF EMERGENCY (360) 913-7058



PROFILE
SCALE: 1:4V, 1:1H



PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 0000000110731



DRAINAGE PLAN AND PROFILE

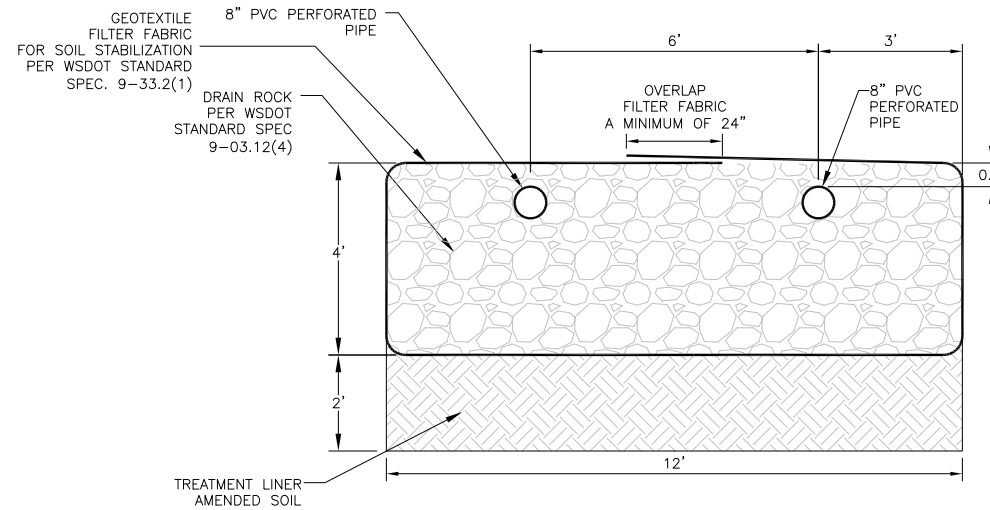
DP10 (10 OF 10)

0 1/2" 1"

FILENAME	DP-00C-10.dwg	SHEET	071
SCALE	1"=40' (11x17)		

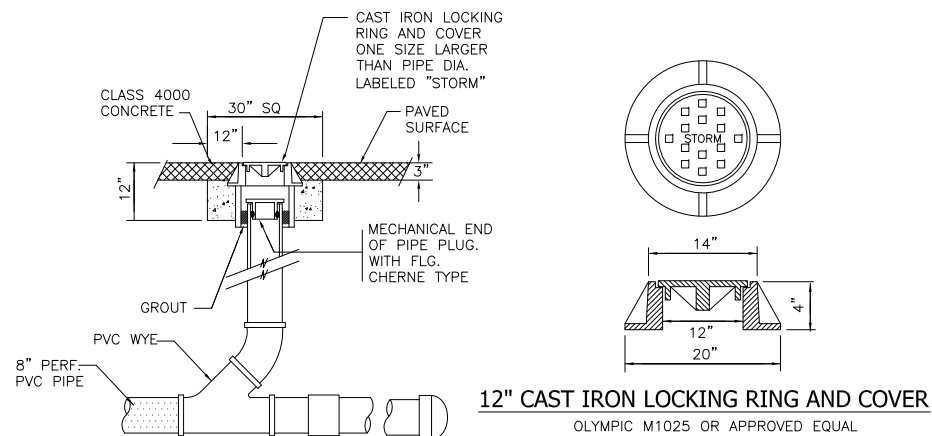
CITY OF ARLINGTON
STORM DRAINAGE NOTES:

- ALL STORM DRAINAGE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS AND CITY STANDARDS AND SPECIFICATIONS. ANY DEVIATION FROM THESE PLANS WILL REQUIRE PRIOR APPROVAL FROM THE OWNER, THE CITY ENGINEER, AND OTHER APPROPRIATE PUBLIC AGENCIES.
- ALL PIPE MATERIALS SHALL MEET THE REQUIREMENTS OF THE CITY STANDARDS AND SPECIFICATIONS. ACCEPTABLE STORM DRAINAGE PIPE MATERIALS INCLUDE CONCRETE, PVC, HDPE, AND DUCTILE IRON. CORRUGATED METAL PIPES (GALVANIZED ALUMINUM OR STEEL) ARE NOT ACCEPTED BY THE CITY. ALL PIPE JOINTS MUST HAVE GASKETS AND SHALL BE WATER TIGHT UNLESS OTHERWISE DIRECTED BY THE CITY.
- PIPE BEDDING MATERIAL SHALL BE 3/8-INCH MINUS PEA GRAVEL FOR ALL PIPE TYPES, EXCEPT DUCTILE IRON. BEDDING MATERIAL FOR DUCTILE IRON PIPE SHALL MEET THE REQUIREMENTS OF THE CITY'S STANDARDS AND SPECIFICATIONS (CHAPTER 4).
- ALL TRENCH BACKFILL IN AREAS OF PAVEMENT OR STRUCTURAL LOADING SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY. ALL OTHER AREAS SHALL BE COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY.
- ALL PIPE SHALL BE PLACED ON STABLE EARTH. IF IN THE OPINION OF THE CITY INSPECTOR, THE EXISTING TRENCH FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED WITH GRAVEL BEDDING MATERIAL TO SUPPORT THE PIPE.
- LOT DRAINAGE SYSTEMS, STUB-OUTS AND ANY DRAINS BEHIND THE SIDEWALK MUST BE INSTALLED AS REQUIRED PRIOR TO SIDEWALK CONSTRUCTION. STUB-OUTS SHALL BE MARKED WITH A 2"x4" WITH 3 FEET VISIBLE ABOVE GRADE AND MARKED "STORM". LOCATION AND DEPTH OF THESE INSTALLATIONS SHALL BE SHOWN ON THE AS-BUILT PLANS SUBMITTED TO THE CITY.
- ALL CATCH BASINS SHALL BE TYPE 1 UNLESS OTHERWISE SHOWN ON THE PLANS AND APPROVED BY THE CITY. THE USE AND INSTALLATION OF INLETS IS DISCOURAGED.
- ALL CATCH BASINS WITH A DEPTH OF 5 FEET (RIM TO INVERT) OR GREATER SHALL BE TYPE 2 CATCH BASINS EQUIPPED WITH 3/4-INCH DIAMETER SAFETY MANHOLE STEPS OR A MANHOLE LADDER PER CITY STANDARD DETAILS.
- ALL GRATES SHALL BE MARKED "OUTFALL TO STREAM - DUMP NO POLLUTANTS". ALL SOLID COVER SHALL BE MARKED "DRAIN". ALL CATCH BASINS AND MANHOLES SHALL BE EQUIPPED WITH LOCKING FRAMES AND LIDS OR GRATES PER CITY STANDARD DETAILS.
- ALL GRATES LOCATED IN THE GUTTER FLOW LINE (INLET AND CATCH BASIN) SHALL BE DEPRESSED 0.1 FOOT BELOW PAVEMENT LEVEL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET AND CATCH BASIN FRAMES AND GRATES/COVERS TO GRADE JUST PRIOR TO CURB INSTALLATION.
- ALL RETENTION/DETENTION FACILITIES SHALL BE INSTALLED AND IN OPERATION PRIOR TO, OR IN CONJUNCTION WITH, ALL CONSTRUCTION ACTIVITY, UNLESS OTHERWISE APPROVED BY THE CITY.
- DETENTION/RETENTION PONDS WITH SIDE SLOPES STEEPER THAN 3:1 OR WITH A MAXIMUM WATER DEPTH GREATER THAN 3 FEET SHALL BE ENCLOSED WITH A VINYL COATED CHAIN LINK FENCE.
- BIO-FILTRATION SWALES AND/OR FILTER STRIPS SHALL BE CONSTRUCTED, BEDDED OR SEEDDED AND IN OPERATION PRIOR TO, OR SODDED IN CONJUNCTION WITH, ASPHALT PAVING. THE VEGETATION IN THE BIO-SWALE MUST BE WELL ESTABLISHED BEFORE PAVING BEGINS.
- STORM WATER RETENTION/DETENTION FACILITIES, STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED BY THE DEVELOPER PRIOR TO THE CITY'S ACCEPTANCE OF THE PROJECT.
- WHEN INFILTRATION FACILITIES ARE CONSTRUCTED, COMPACTION OF SOIL IS NOT ALLOWED, AS THE DESIGN IS BASED ON NATURAL SOIL IN THE ORIGINAL LOCATION. VEHICLES SHALL NOT BE DRIVEN OVER THE INFILTRATION AREA DURING CONSTRUCTION.
- IF THE CONTRACTOR ENCOUNTERS GROUNDWATER OR SOIL CONDITIONS DIFFERENT FROM THAT SHOWN IN THE PLANS DURING INFILTRATION SYSTEM INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR.



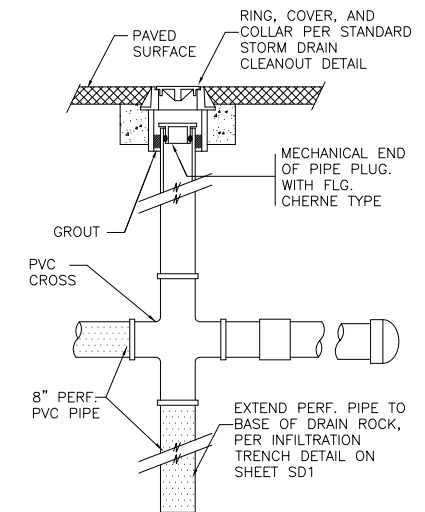
INFILTRATION TRENCH DETAIL

SCALE: NTS



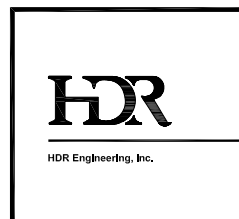
INFILTRATION TRENCH STORM DRAIN CLEANOUT DETAIL

SCALE: NTS



OBSERVATION WELL STORM DRAIN CLEAN

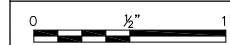
SCALE: NTS



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER
			0000000110731



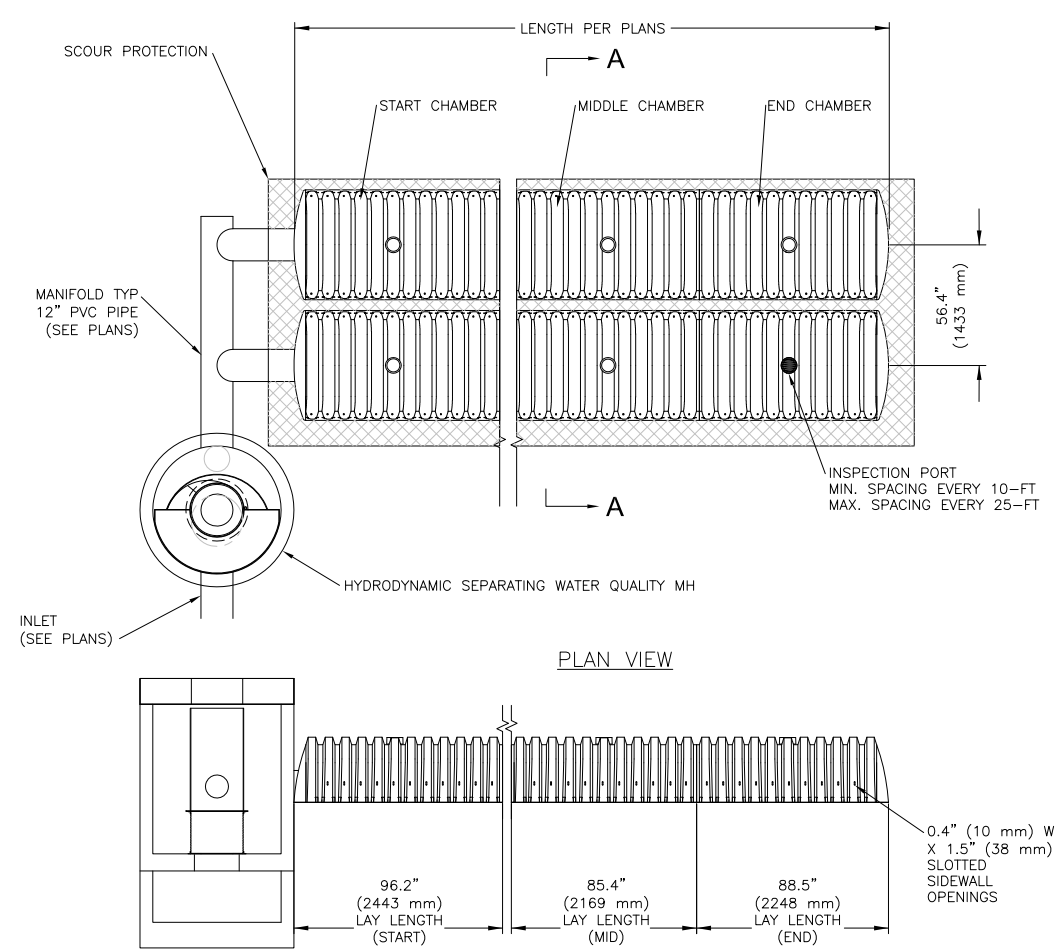
CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT



STORM DETAILS
SD1
(1 OF 2)

FILENAME SD-00C-01.dwg
SCALE N.T.S.

SHEET
072



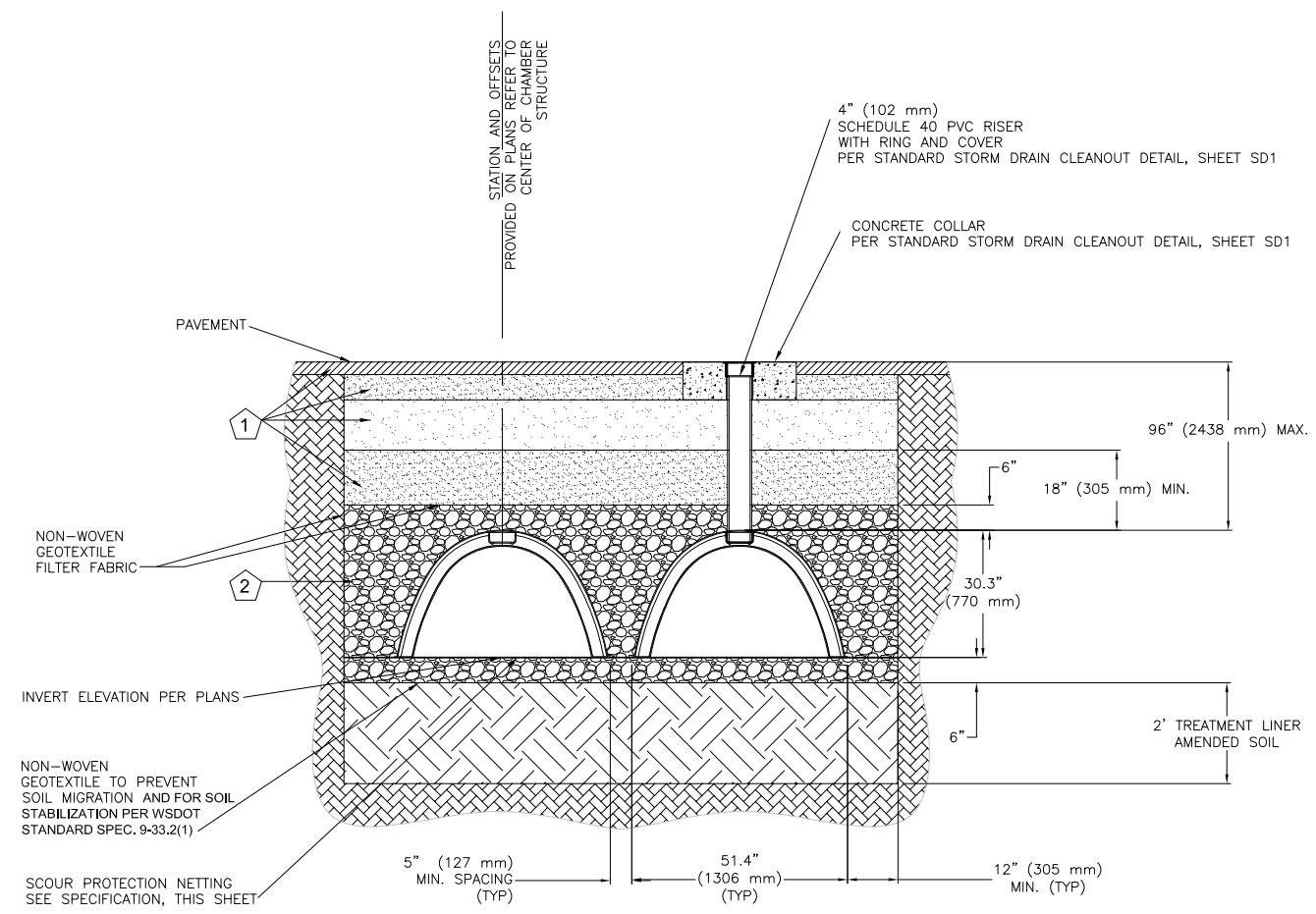
PLAN VIEW

ELEVATION VIEW

TYPICAL LAYOUT

STRUCTURE TYPE	LIGHT WEIGHT -- ORIENTED
POLYMER TYPE	POLYPROPYLENE
COLOR	BLACK
ADDITIVES	MIN. 2% CARBON BLACK
UNIT WEIGHT	28 LB./M FT ²
MD & TD MESH SIZE	.50" X .50" TARGET
MD & TD TENSILE STRENGTH	90.0/81.0 MD/TD MIN. LBS./3 INCHES

SCOUR PROTECTION NETTING SPECIFICATION



- KEY
- SEE SHEETS TS1-TS4 FOR PROPOSED PAVEMENT SECTION DETAILS
 - DRAIN ROCK PER WSDOT STANDARD SPEC 9-03.12(4). INSTALL TO MIN. 95% STANDARD DENSITY PER AASHTO T99.

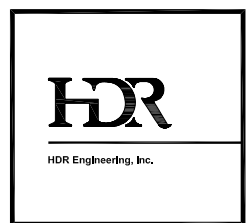
GENERAL NOTES

- ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.
- PRIOR TO INSTALLATION OF THE CHAMBER SYSTEM A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.
- CHAMBERS ARE MANUFACTURED FROM POLYPROPYLENE PLASTIC.
- CHAMBER SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.
- ACCESS COVERS TO MEET AASHTO HS20/HS25 LIVE LOADING.
- MINIMUM COVER IS 18-INCHES (457 mm) AND MAXIMUM COVER IS 96-INCHES (2438 mm) TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR COVER HEIGHTS GREATER THAN 96-INCHES (2438 mm) CONTACT YOUR LOCAL REPRESENTATIVE.

INSTALLATION NOTES

- MANUFACTURER INSTALLATION GUIDE TO BE REVIEWED BY CONTRACTOR PRIOR TO INSTALLATION.
- PRIOR TO PLACING BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, A GEOGRID SHALL BE UTILIZED OR UNSUITABLE MATERIAL SHALL BE REMOVED AND BROUGHT BACK TO GRADE WITH FILL MATERIAL AS APPROVED BY THE ENGINEER OF RECORD. ONCE THE FOUNDATION PREPARATION IS COMPLETE, THE BEDDING MATERIAL CAN BE PLACED.
- THE SCOUR PROTECTION NETTING TO EXTEND 1'-0" (305 mm) BEYOND OUTSIDE EDGE OF CHAMBERS.
- COVER ANY OPEN VOID SPACES GREATER THAN 3/4" (19 mm) ON CHAMBERS WITH A NON-WOVEN GEOTEXTILE TO PREVENT INFILTRATION OF BACKFILL MATERIAL.
- STONE EMBEDMENT MATERIAL SHALL BE INSTALLED TO 95% STANDARD PROCTOR DENSITY AND PLACED IN 6-INCH (152 mm) TO 8-INCH (203 mm) LIFTS SUCH THAT THERE IS NO MORE THAN A TWO LIFT DIFFERENTIAL BETWEEN ANY OF THE CHAMBERS AT ANY TIME. GRANULAR BACKFILL MATERIAL SHALL BE COMPACTED TO 90% SPD. BACKFILLING SHALL BE ADVANCED ALONG THE LENGTH OF THE CHAMBER ROWS AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING AND DISPLACEMENT OF THE CHAMBERS. THE MINIMUM CHAMBER SPACING MUST BE MAINTAINED.
- REFER TO MANUFACTURER INSTALLATION GUIDE FOR TEMPORARY CONSTRUCTION LOADING GUIDELINES.
- IT IS ALWAYS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.
- GENERAL INSTALLATION METHODS AND MATERIALS TO BE IN ACCORDANCE WITH ASTM D2321.

SECTIONAL CHAMBER INFILTRATION SYSTEM
SCALE: NTS

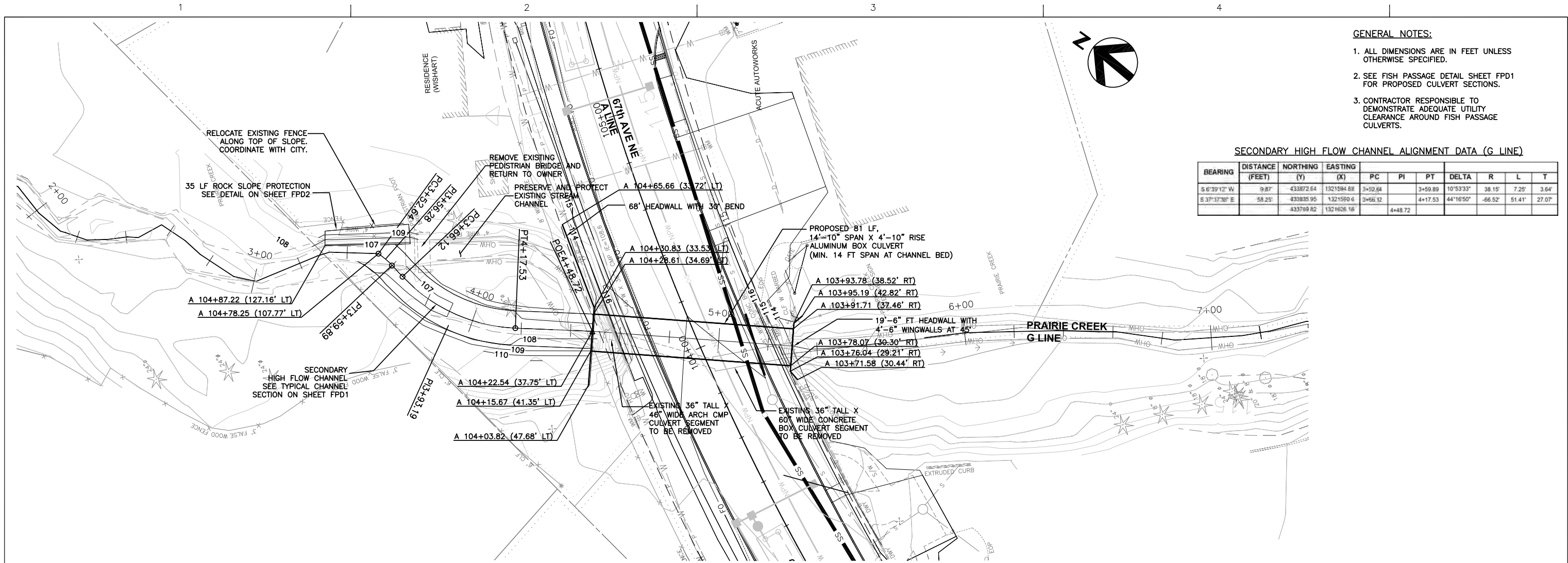


			PROJECT MANAGER
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 000000110731



CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

STORM DETAILS		FILENAME	SD-00C-02.dwg	SHEET	073
SD2 (2 OF 2)		SCALE	N.T.S.		

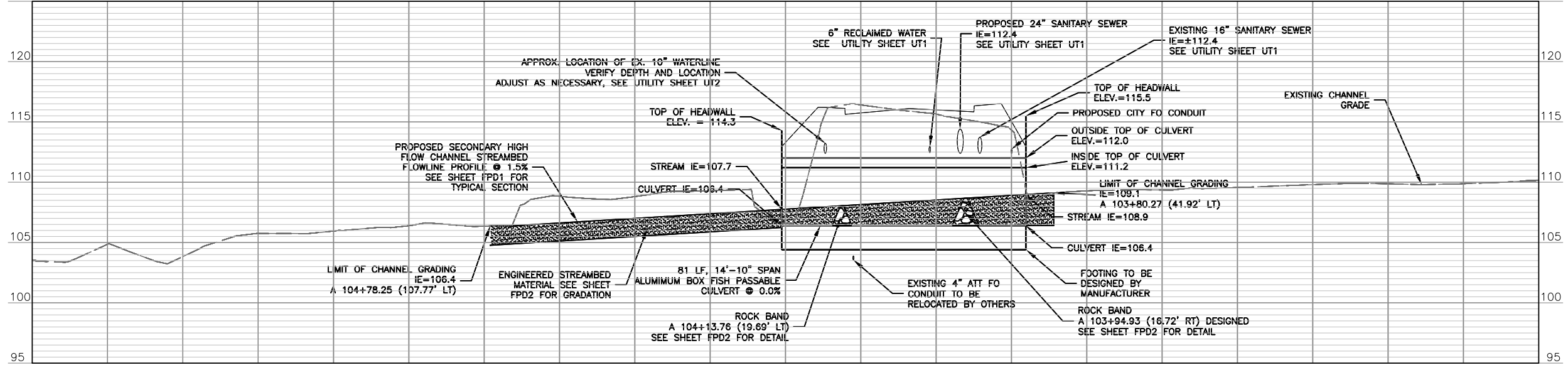


- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE FISH PASSAGE DETAIL SHEET FPD1 FOR PROPOSED CULVERT SECTIONS.
 3. CONTRACTOR RESPONSIBLE TO DEMONSTRATE ADEQUATE UTILITY CLEARANCE AROUND FISH PASSAGE CULVERTS.

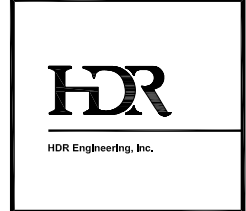
SECONDARY HIGH FLOW CHANNEL ALIGNMENT DATA (G LINE)

BEARING	DISTANCE (FEET)	NORTHING (Y)	EASTING (X)	PC	PI	PT	DELTA	R	L	T
S 6°39'12" W	9.87	433872.64	1321594.88	3+52.64		3+59.89	10°53'33"	38.15'	7.25'	3.64'
S 37°37'36" E	58.25	433835.95	1321590.6	3+56.12		4+17.53	44°16'50"	-66.52'	51.41'	27.07'
		433789.82	1321626.16		4+48.72					

PLAN
1"=40'



PROFILE
SCALE: 1:4V, 1:1H



PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 000000110731



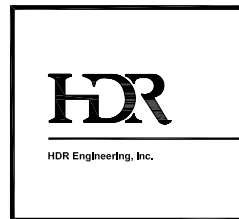
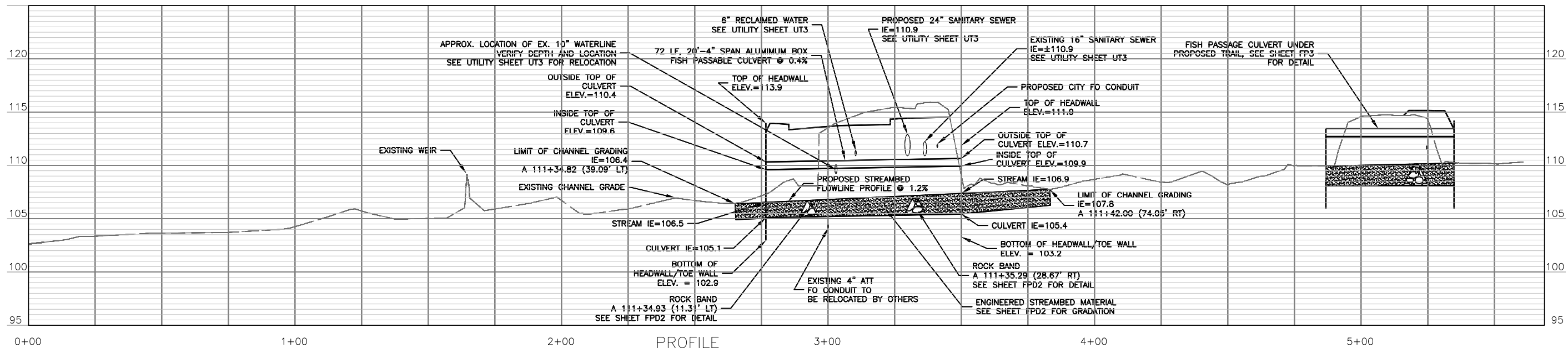
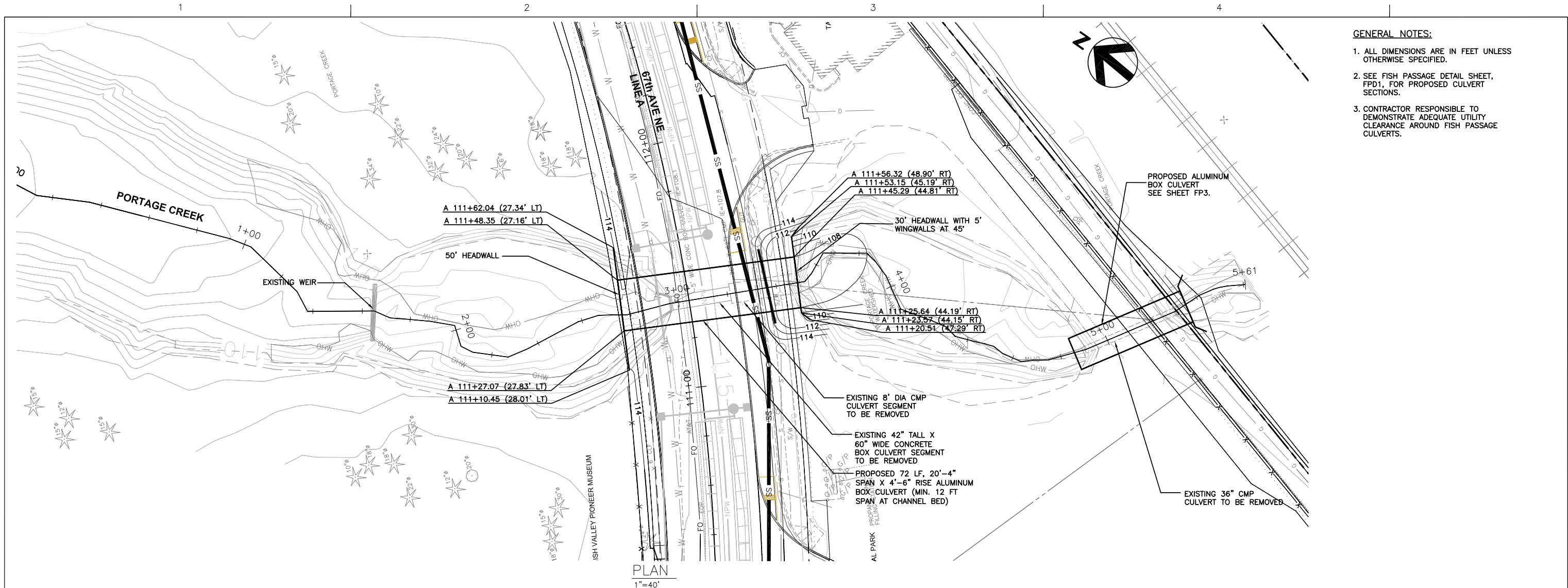
CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

FISH PASSAGE PLAN AND PROFILE
PRAIRIE CREEK
FP1
(1 OF 3)

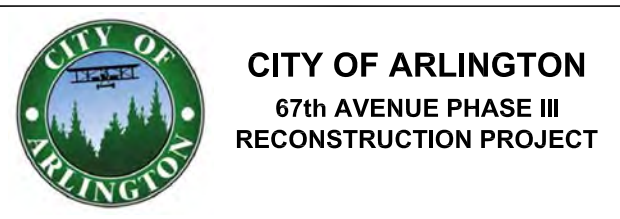
0 1/2" 1"

FILENAME: FP-00C-01.dwg SHEET: **074**

SCALE: 1"=40' (11x17)



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER
			000000110731

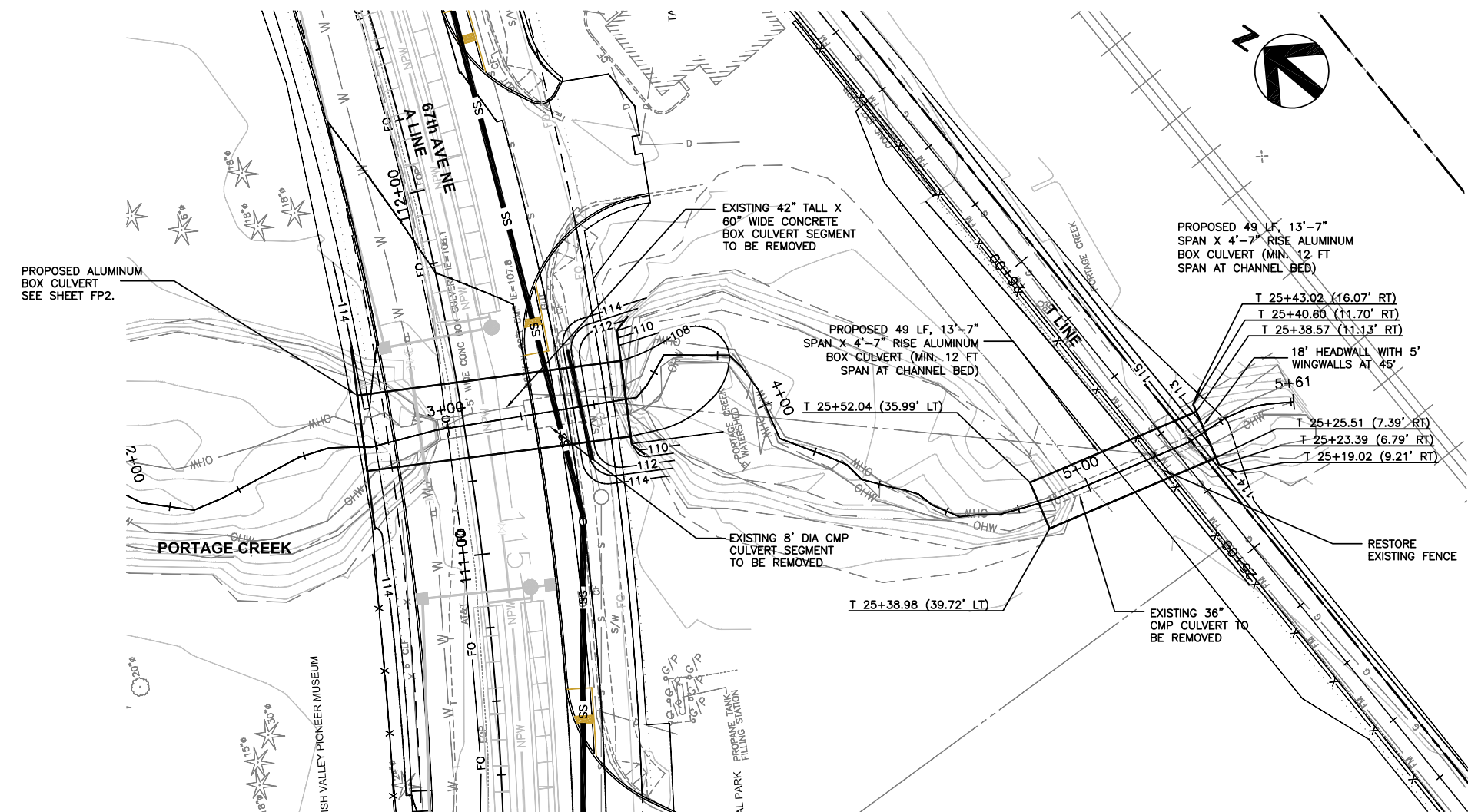


**FISH PASSAGE PLAN AND PROFILE
PORTAGE CREEK
FP2
(2 OF 3)**

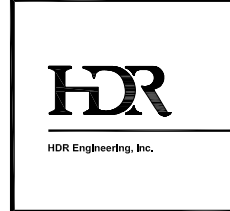
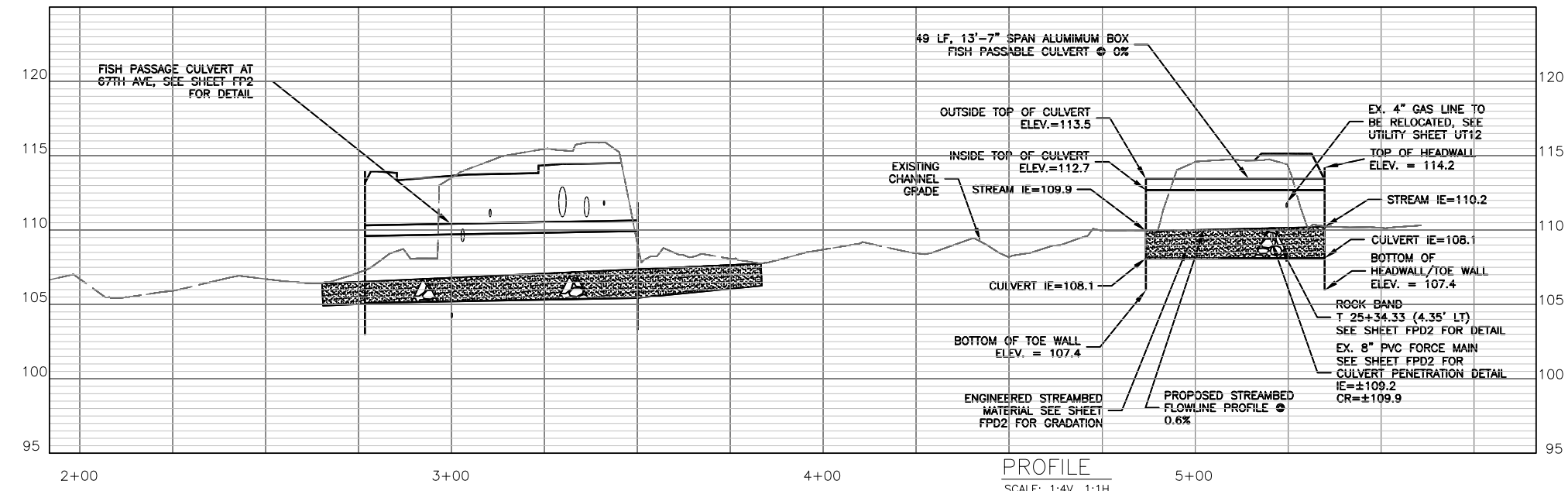
0 1/2" 1"

FILENAME: FP-00C-02.dwg
SCALE: 1"=40' (11x17)
SHEET: **075**

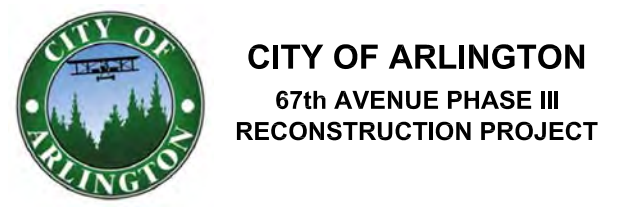
- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE FISH PASSAGE DETAIL SHEET, FPD1, FOR PROPOSED CULVERT SECTIONS.
 3. CONTRACTOR RESPONSIBLE TO DEMONSTRATE UTILITY CLEARANCE AROUND FISH PASSAGE CULVERTS.



PLAN
1"=40'



PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 0000000110731

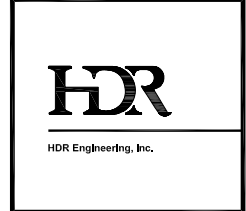
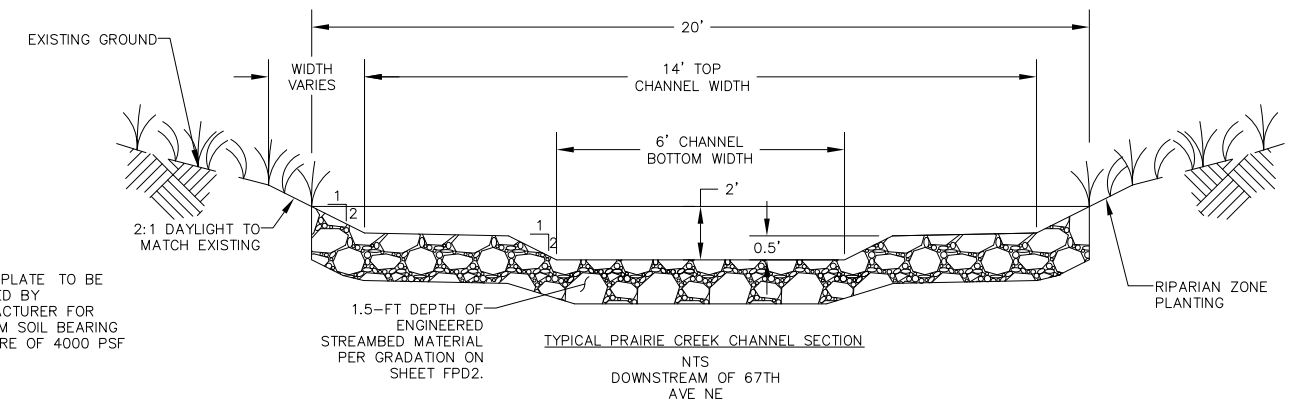
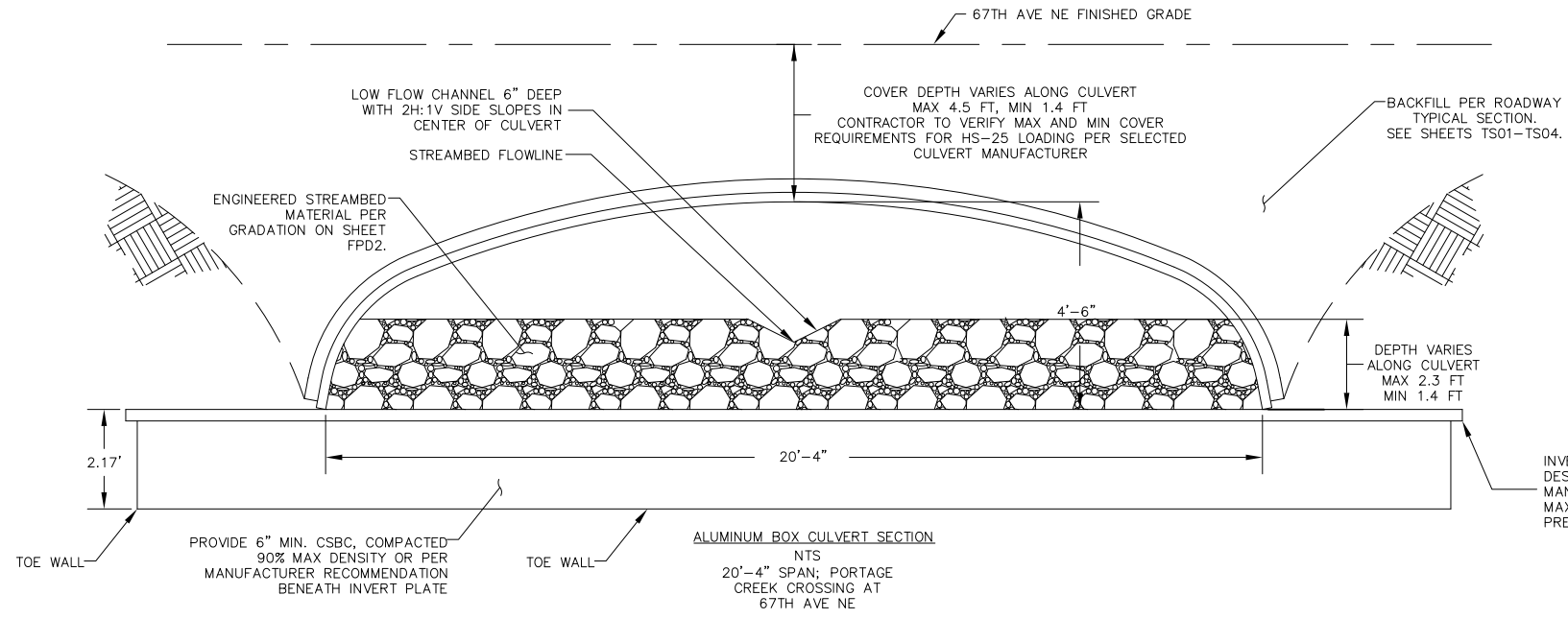
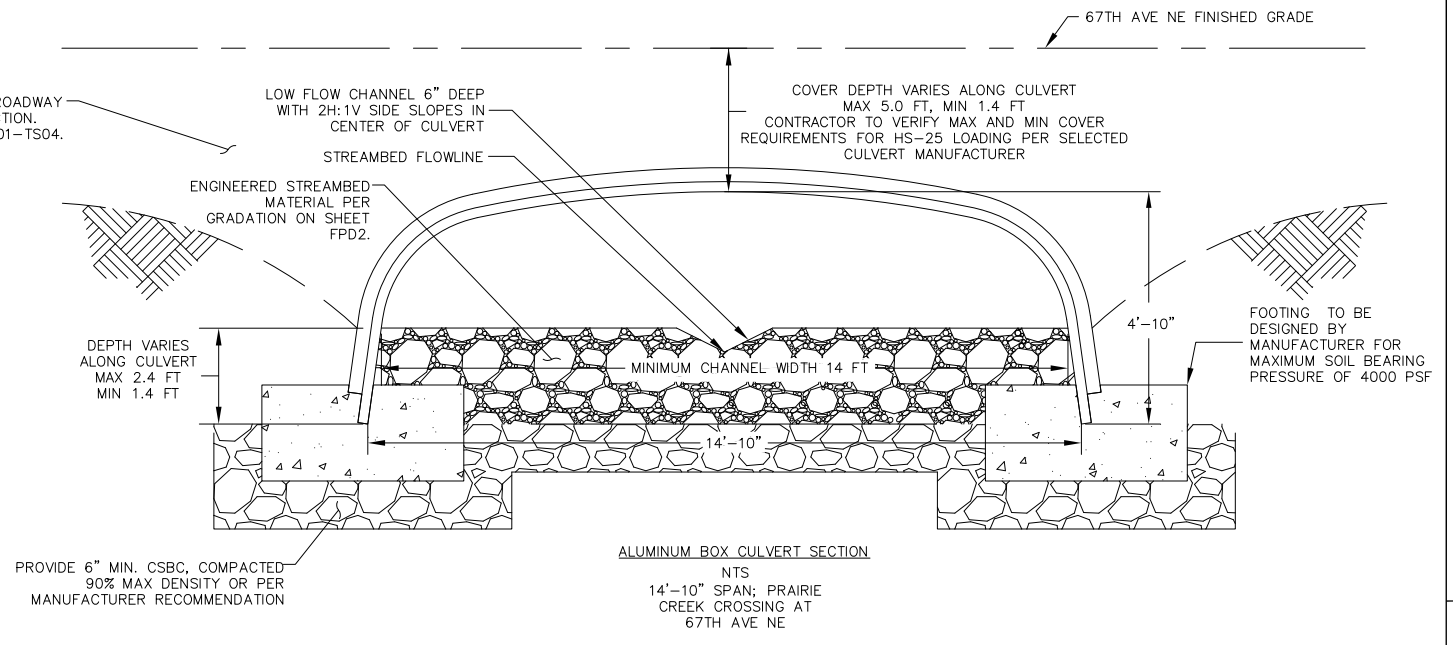
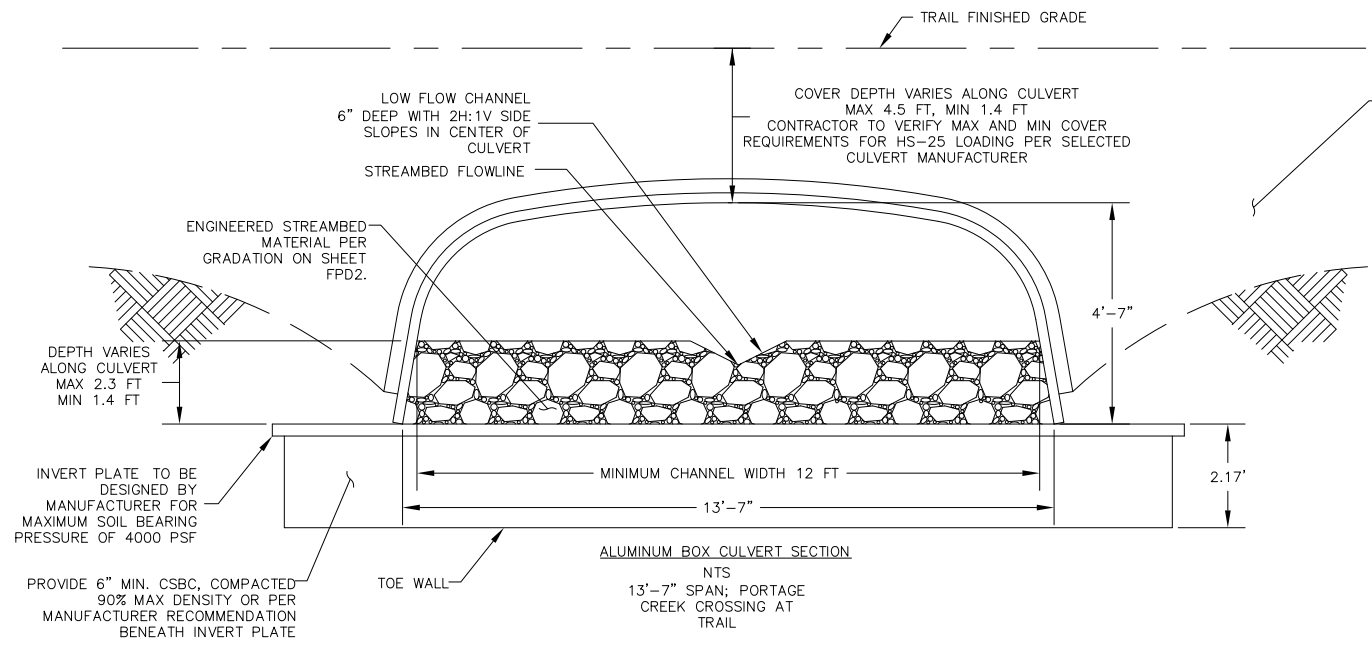


FISH PASSAGE PLAN AND PROFILE PORTAGE CREEK FP3 (3 OF 3)

0 1/2" 1"

FILENAME FP-00C-03.dwg SHEET 076

SCALE 1"=40' (11x17)



			PROJECT MANAGER
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 000000110731



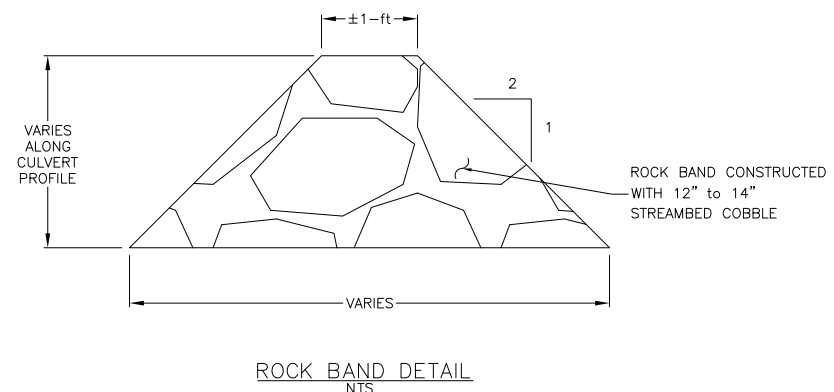
CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

FISH PASSAGE DETAILS
FPD1
(1 OF 2)

0 1/2" 1"

FILENAME FPD-00C-01.dwg SHEET 077

SCALE N.T.S.



ROCK BAND SCHEDULE					
ALIGNMENT	ELEMENT	STATION	TOP ELEVATION	BOTTOM ELEVATION	BOTTOM WIDTH
A LINE	ROCK BAND 1	A 104+13.76 (19.69' LT)	108.0'	106.4'	6.6'
A LINE	ROCK BAND 2	A 103+94.93 (16.72' RT)	108.7'	106.4'	9.0'
A LINE	ROCK BAND 3	A 111+34.93 (11.31' LT)	106.7'	105.2'	7.0'
A LINE	ROCK BAND 4	A 111+35.29 (28.67' RT)	107.2'	105.4'	8.2'
T LINE	ROCK BAND 5	T 25+34.33 (4.35' LT)	SEE PENETRATION DETAIL BELOW		

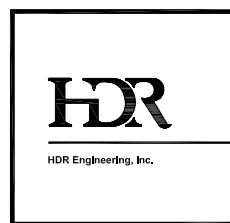
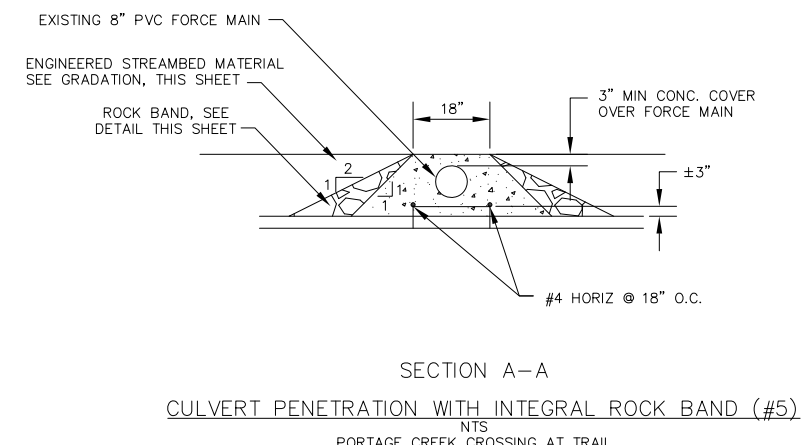
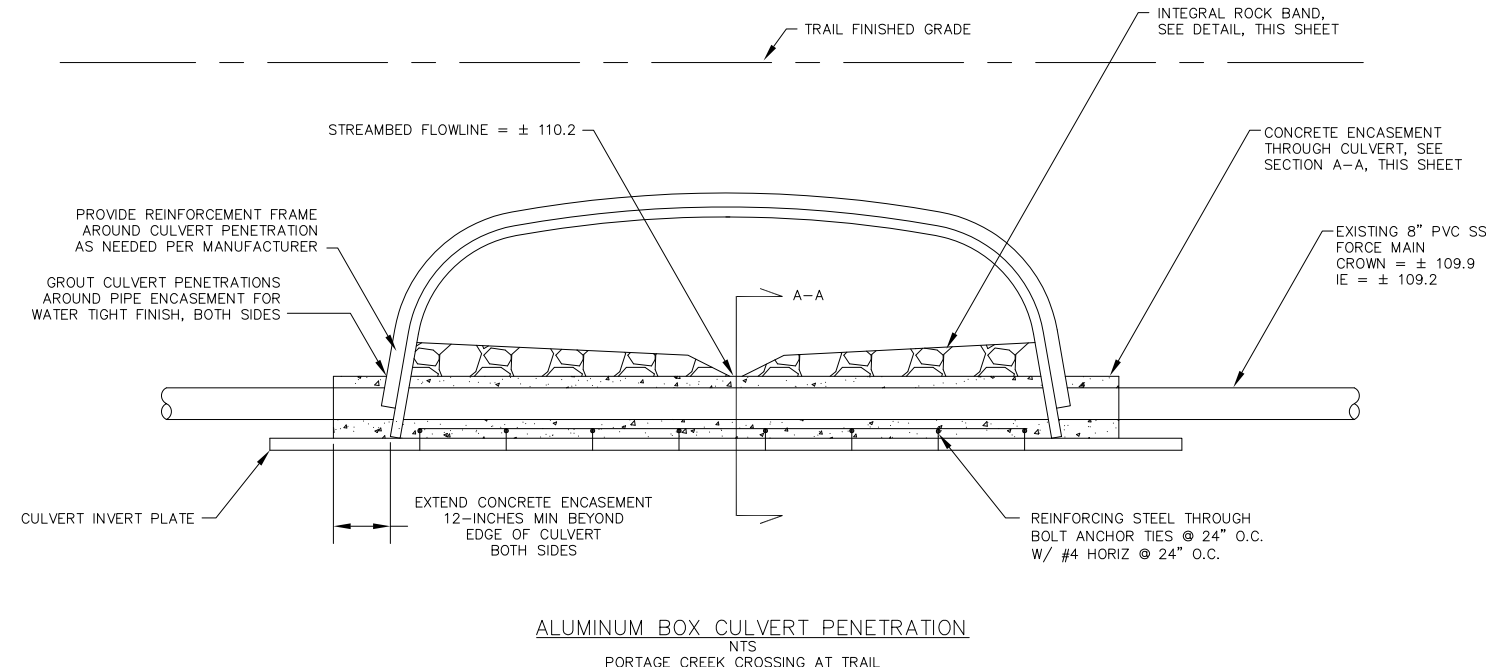
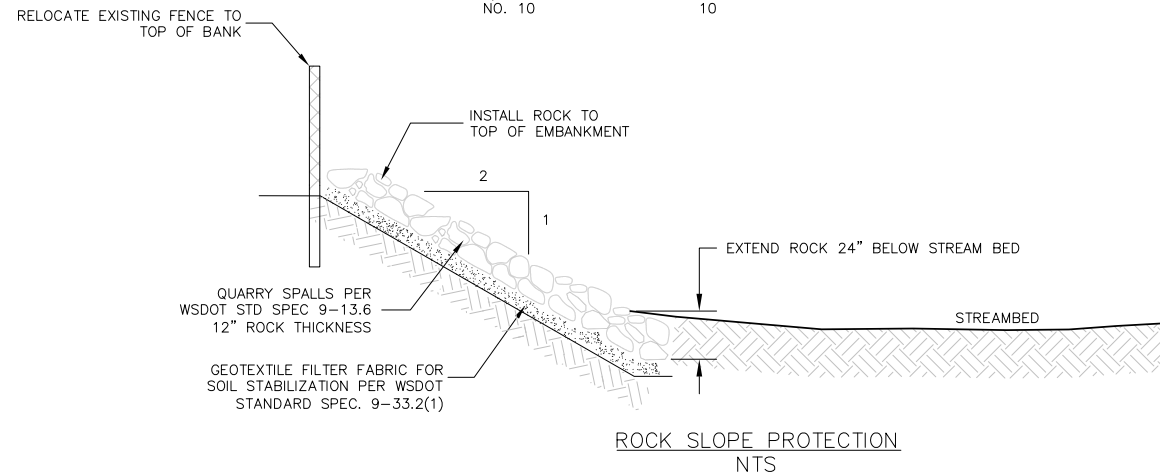
ENGINEERED STREAMBED MATERIAL GRADATION

ENGINEERED STREAM MATERIAL (ESM) SHALL CONSIST OF A WELL-GRADED UNIFORM MIXTURE OF DIVERSIFIED PARTICLE SIZES DESIGNED TO BE IMMOBILE UP TO A STABLE BED DESIGN FLOW. ESM SHALL BE FILLED IN LIFTS WITH ONE PART BY VOLUME STREAMBED SEDIMENT AND TWO PARTS BY VOLUME OF STREAMBED COBBLES AS FOLLOWS:

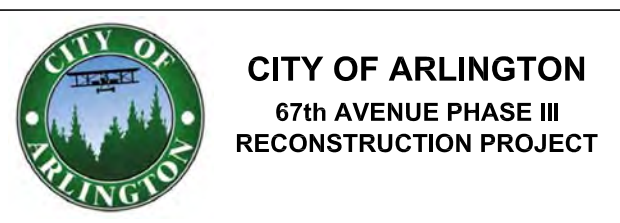
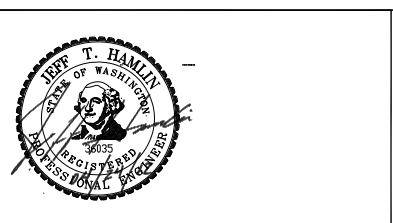
- o) STREAMBED SEDIMENT: FURNISH A WELL-GRADED MIX OF ROUNDED RIVER ROCK AND SEDIMENT WHICH IS FREE DRAINING AND FREE OF EXCESS MOISTURE, MUCK, FROZEN LUMPS, ROOTS, SOD OR OTHER DELETERIOUS MATERIAL CONFORMING TO THE FOLLOWING:

MAXIMUM PARTICLE SIZE	3 INCHES
MATERIAL PASSING NO. 200 SIEVE PER AASHTO T 27 AND T 11	10 to 15%
- b) STREAMBED COBBLES: FURNISH A WELL-GRADED MIXTURE OF SOIL, GRAVEL AND ROUNDED RIVER COBBLES TO SIMULATE A NATURAL STREAMBED. THE SOIL, GRAVEL AND ROUNDED RIVER COBBLES SHOULD BE HARD AND DURABLE ROCK WITH SIMILAR COLOR AND CHARACTERISTICS AS PRESENT AT THE CONSTRUCTION SITE. SCREENED, ON SITE, NATIVE COBBLES MEETING GRADATION REQUIREMENTS MAY BE SUBSTITUTED UPON ENGINEER APPROVAL. GRADATION REQUIREMENTS FOR STREAMBED COBBLES, SHALL CONFORM TO BED CLASS 6 CLASSIFICATION AS FOLLOWS:

SIZE DIAMETER	% PASSING
14-INCH	100
6-INCH	84
2 1/2-INCH	50
3/4-INCH	16
NO. 10	10



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER
			000000110731



FISH PASSAGE DETAILS

FPD2 (2 OF 2)

0 1/2" 1"

FILENAME	FPD-00C-02.dwg	SHEET	078
SCALE	N.T.S.		

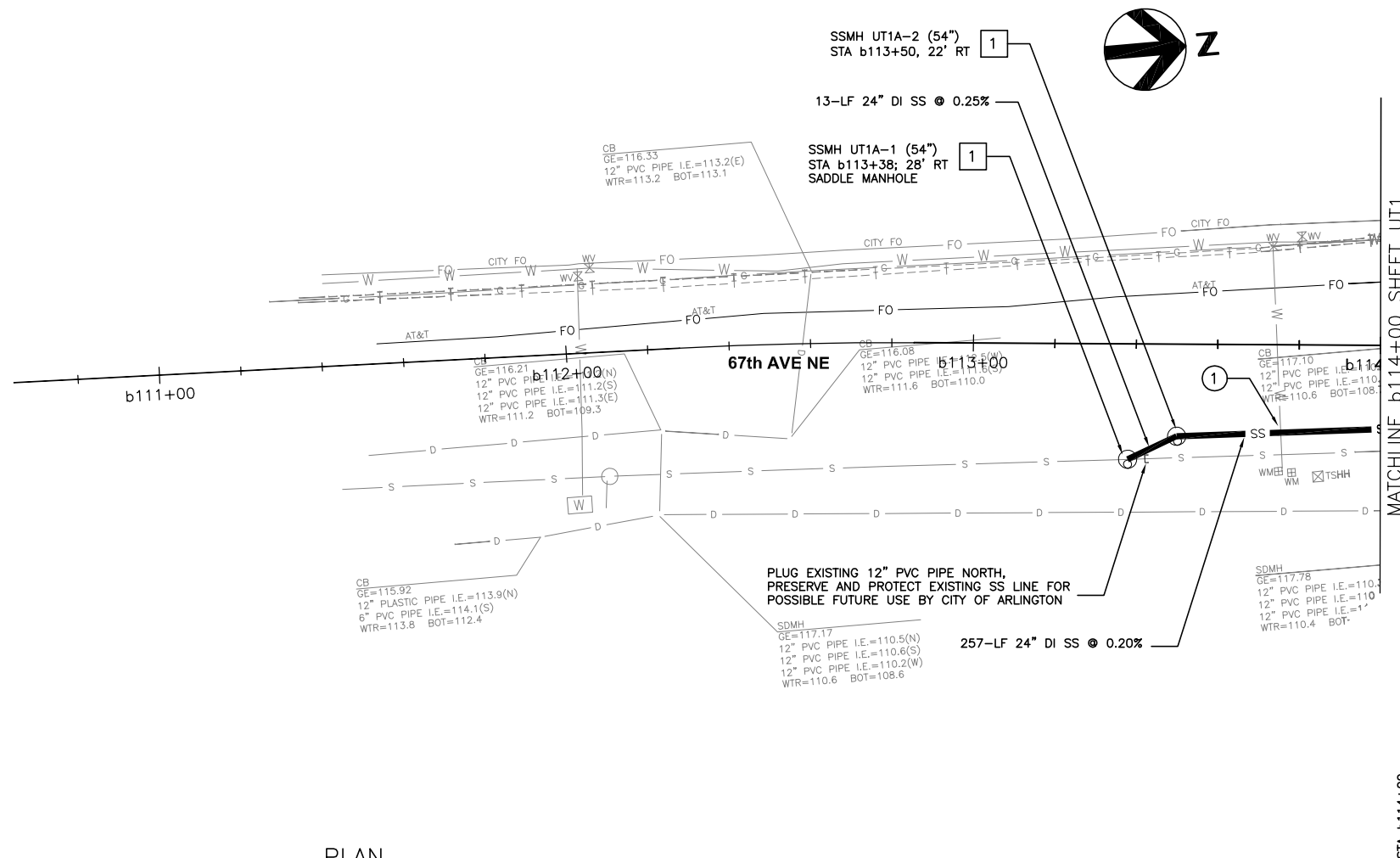
GENERAL NOTES:
 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

(X) UTILITY CONSTRUCTION NOTES

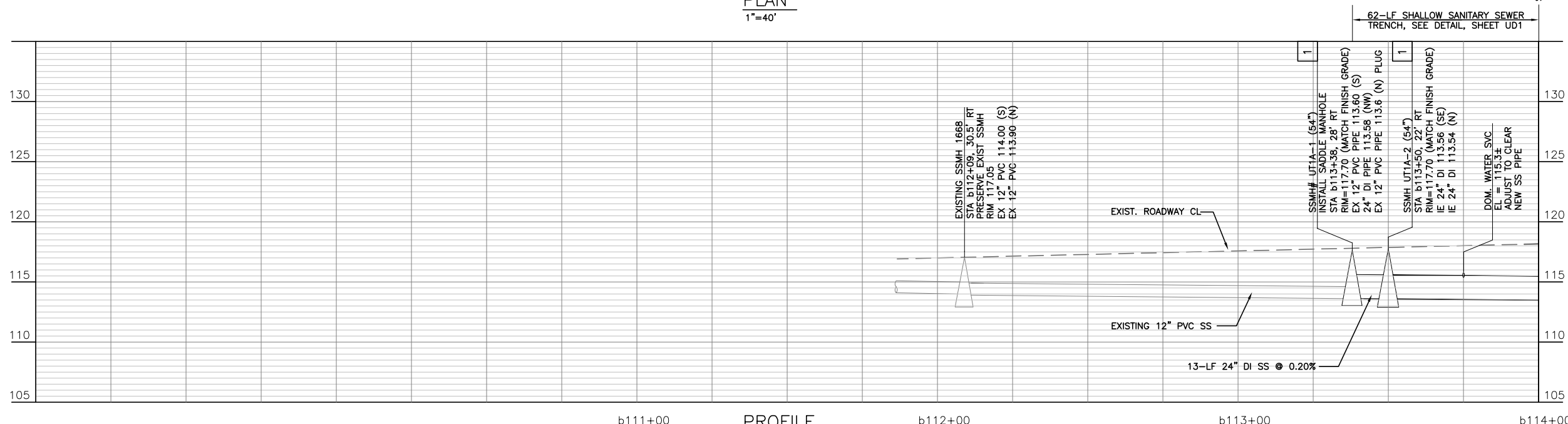
- 1. COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINE; NOTIFY CITY PRIOR TO WORK AND PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES

(X) SANITARY SEWER NOTES

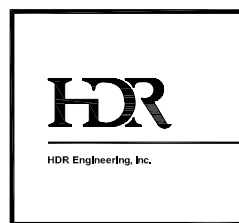
- 1. INSTALL NEW 54-INCH SSMH TYPE 1 PER CITY STD SS-010



PLAN
 1"=40'



PROFILE
 SCALE: 1:4V, 1:1H



PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 000000110731



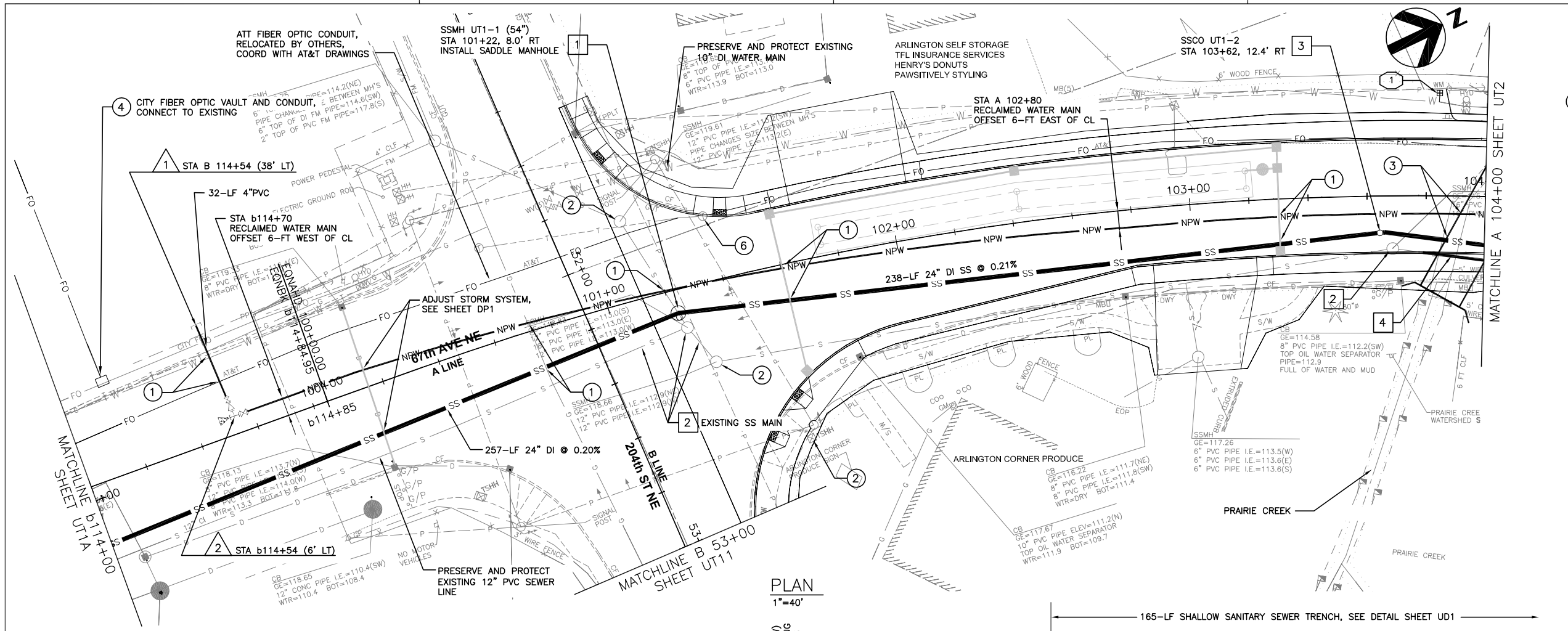
CITY OF ARLINGTON
 67th AVENUE PHASE III
 RECONSTRUCTION PROJECT

UTILITY PLAN AND PROFILE
 UT1A
 (1 OF 15)

0 1/2" 1"

FILENAME UT-00C-01A.dwg SHEET 079

SCALE 1"=40' (11x17)



GENERAL NOTES:
 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

(X) UTILITY CONSTRUCTION NOTES

- COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES. PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES.
- ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
- COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
- FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD.1. INSTALL VAULT TO CONNECT WITH EXISTING CITY F.O. DUCT (NORTH AND SOUTH), FIELD VERIFY AND CONNECT NEW CONDUIT TO EXIST CONDUIT 12-FT WEST, SEE DETAIL SHEET UD1.
- FIBER OPTIC CONDUIT, INSTALL AS INDICATED ON PLAN. SEE DETAIL SHEET UD1
- UTILITY POLES AND/OR EQUIPMENT TO BE RELOCATED OR REPLACED BY OTHERS.

(X) SANITARY SEWER NOTES

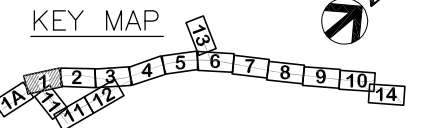
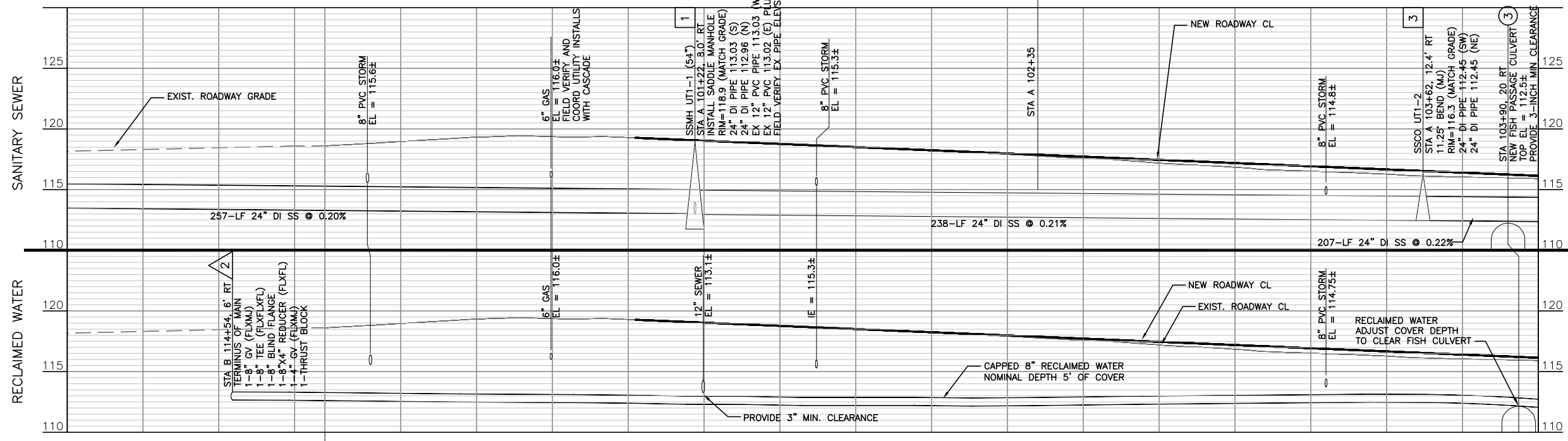
- INSTALL NEW 54-INCH SSMH TYPE 1 PER CITY STD SS-010
- PRESERVE AND PROTECT EXISTING SSMH AND ASSOCIATED PIPING FOR POSSIBLE FUTURE USE BY CITY; ADJUST STR LIDS TO MATCH FINISH GRADE
- INSTALL SSCO PER DETAIL SHEET UD2
- RESTORE EXISTING 16" SS PIPE OVER NEW FISH PASSAGE CULVERT. FIELD VERIFY PIPE CLEARANCE AND PROVIDE TEMPORARY PUMPING PLAN 21-DAYS MINIMUM PRIOR TO BEGINNING WORK.

(X) RECLAIMED WATER NOTES

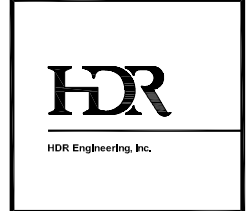
- CAP TERMINAL END OF 4" PVC ON PRIVATE PROPERTY (CEMETERY). MARK END WITH 2X4 STUB UNDER IRRIGATION VALVE BOX.
- TERMINUS OF 8" RECLAIMED WATER MAIN, INSTALL:
 - 1 EA. 8" GV (FLXMJ)
 - 1 EA. 8" TEE (FLXFLXFL)
 - 1 EA. 8" BLIND FLANGE
 - 1 EA. 8" X 4" REDUCER (FLXFL)
 - 1 EA. 4" GV (FLXMJ)
 - 1 EA. THRUST BLOCK

(X) WATER NOTES

- EXISTING WATER SERVICE CONNECTION SHALL BE UPGRADED TO CURRENT CITY STD. W-040 OR W-050, INCLUDING SHUT OFF AT THE MAIN LINE CORP STOP. INSTALL NEW PIPING AND FITTINGS TO THE METER BOX, THEN RECONNECT TO EXISTING SERVICE. RETURN OLD METER BOXES TO THE CITY.



PROFILE
 SCALE: 1:4V, 1:1H



PROJECT MANAGER	
ISSUE	DATE
DESCRIPTION	
PROJECT NUMBER	000000110731

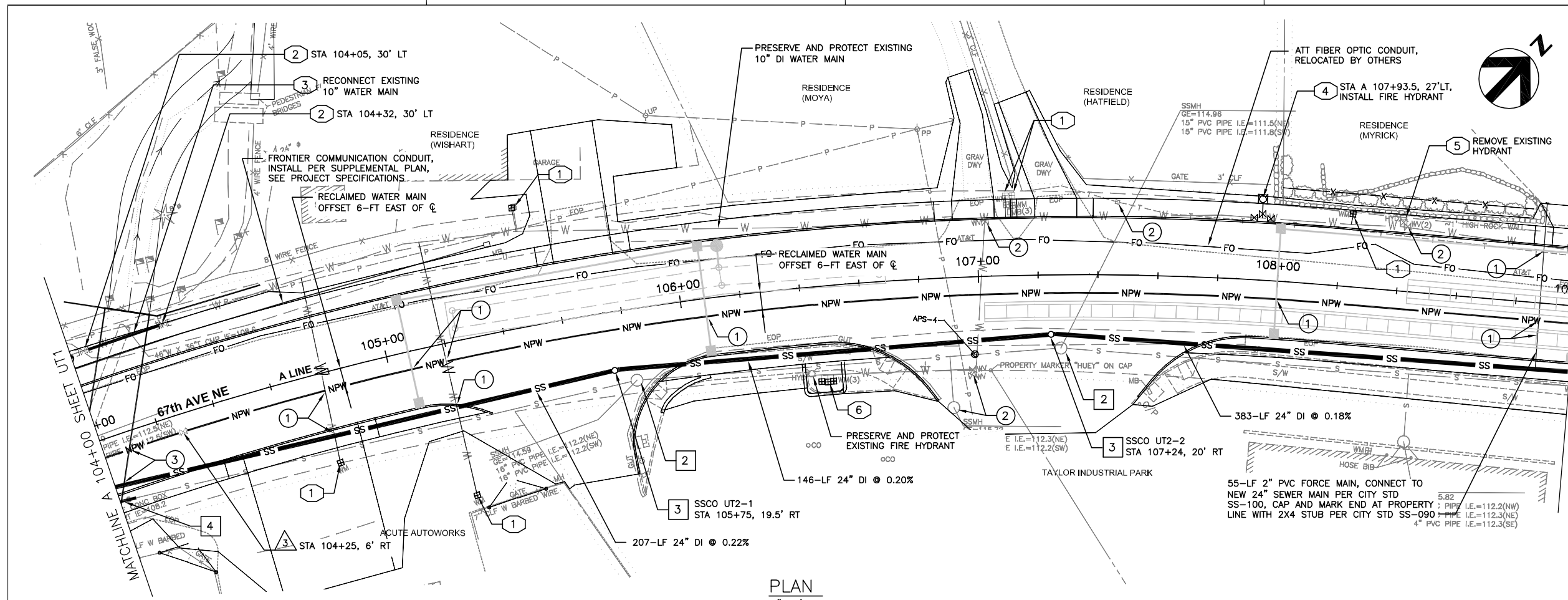


UTILITY PLAN AND PROFILE
 UT1
 (2 OF 15)

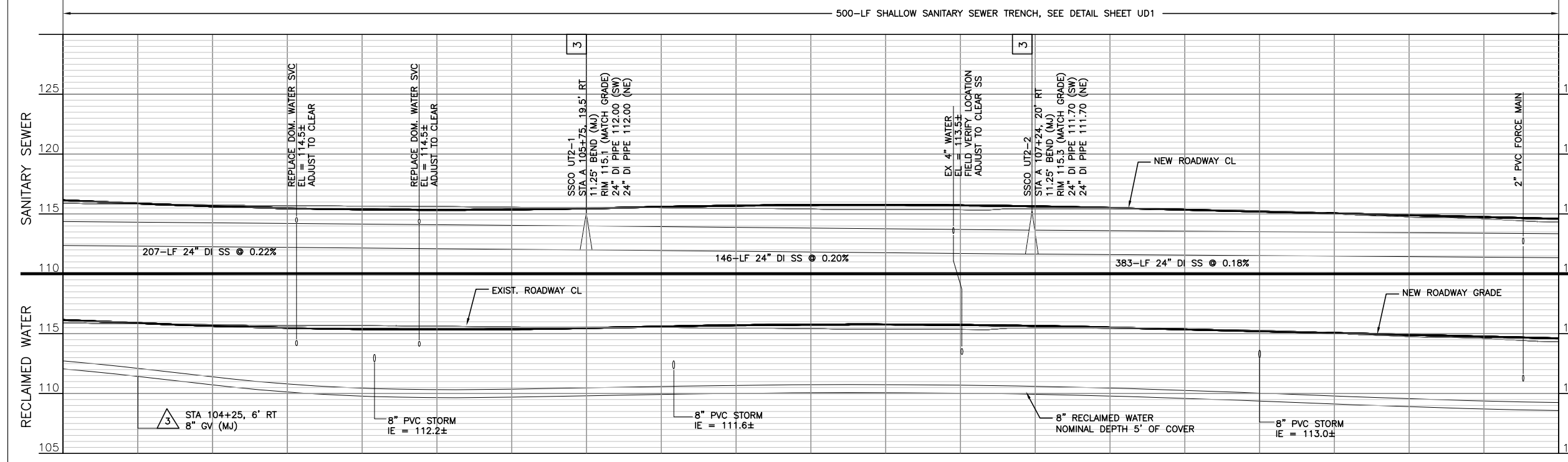
0 1/2" 1"

FILENAME UT-00C-01.dwg SHEET 080

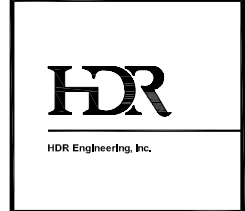
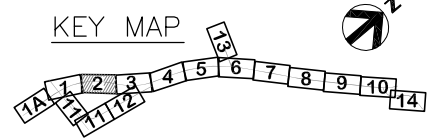
SCALE 1"=40' (11x17)



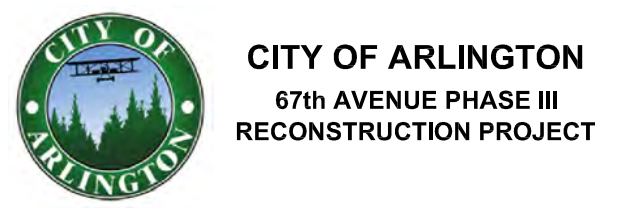
PLAN
1"=40'



PROFILE
SCALE: 1:4V, 1:1H



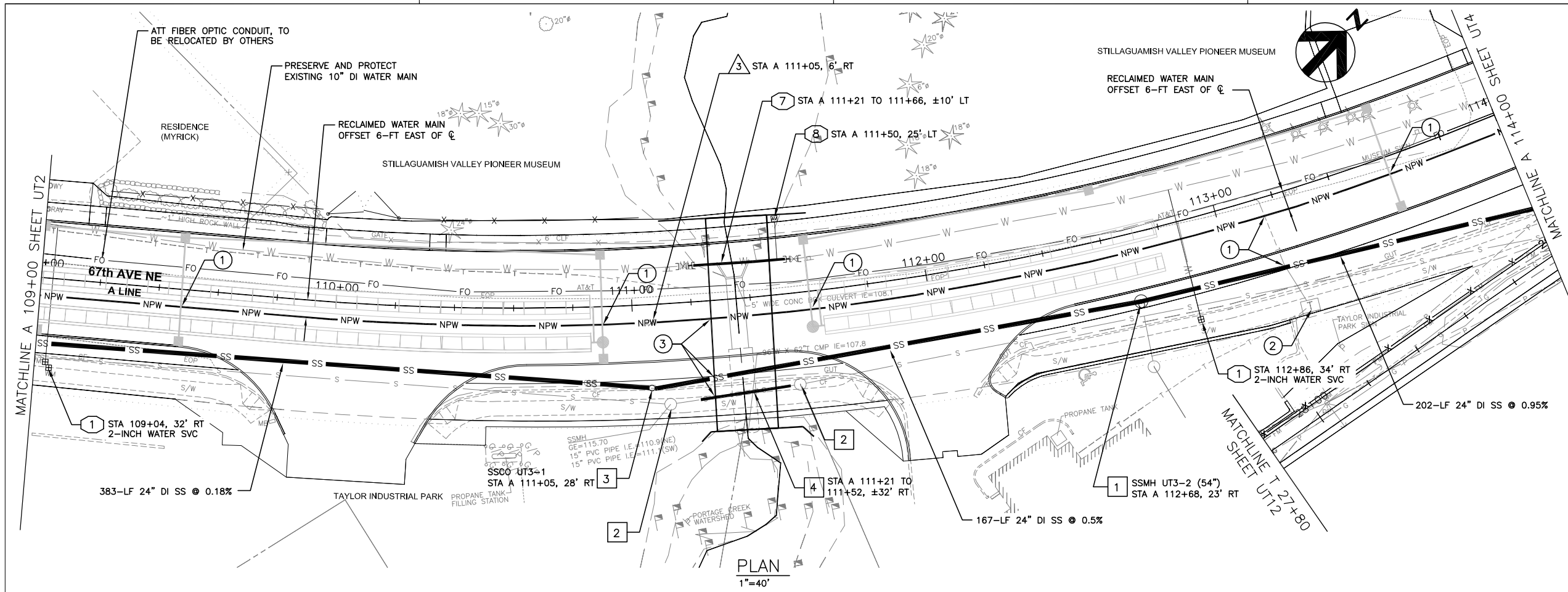
PROJECT MANAGER	
ISSUE	DATE
DESCRIPTION	
PROJECT NUMBER	000000110731



UTILITY PLAN AND PROFILE
 UT2
 (3 OF 15)

0 1/2" 1" SCALE 1"=40' (11x17)

FILENAME UT-00C-02.dwg SHEET 081



GENERAL NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

UTILITY CONSTRUCTION NOTES

1. COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES. PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES.
2. ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
3. COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
4. FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD1
5. FIBER OPTIC CONDUIT, COORDINATE WITH CITY; SEE DETAIL SHEET UD1
6. UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS

SANITARY SEWER NOTES

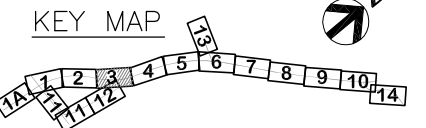
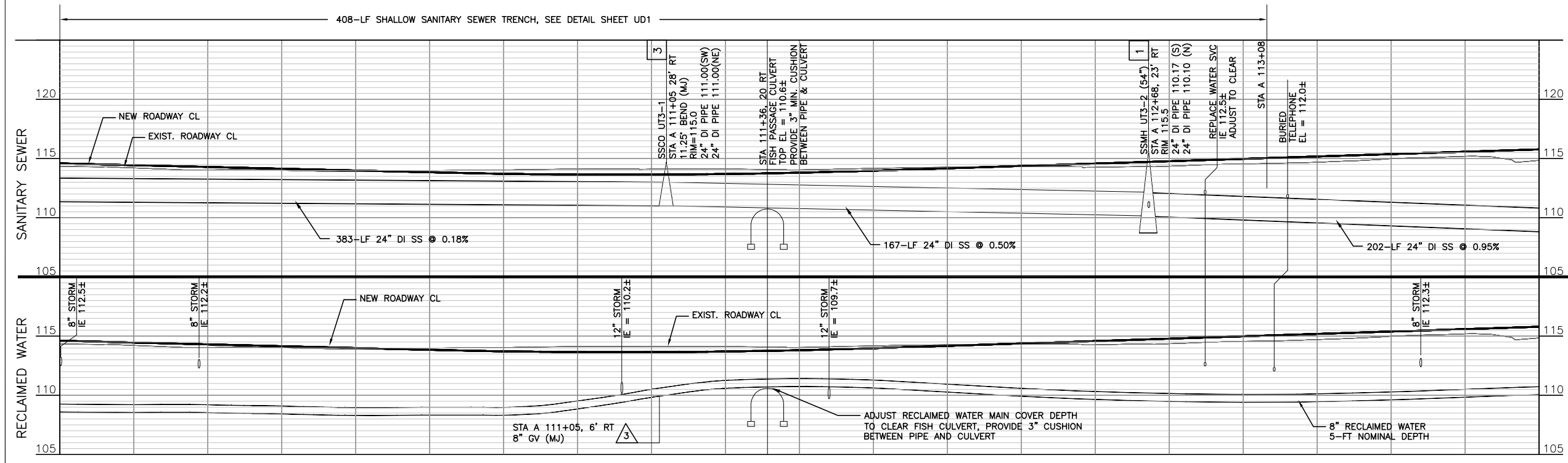
1. INSTALL NEW 54-INCH SSMH TYPE 1 PER CITY STD SS-010.
2. PRESERVE AND PROTECT EXISTING SSMH AND ASSOCIATED PIPING. ADJUST STR LIDS TO MATCH FINISH GRADE.
3. INSTALL SSCO PER DETAIL SHEET UD2
4. RESTORE EXISTING 16" SS PIPE OVER NEW FISH PASSAGE CULVERT. FIELD VERIFY PIPE CLEARANCE AND PROVIDE TEMPORARY PUMPING PLAN 21-DAYS PRIOR TO BEGINNING WORK.

RECLAIMED WATER NOTES

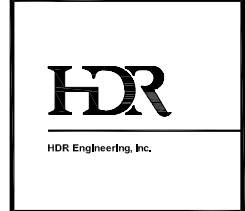
3. INSTALL 8" GV (MJ) PER CITY STD W-190

WATER NOTES

1. EXISTING WATER SERVICES SHALL BE UPGRADED TO CURRENT CITY STD W-040 AND W-050 WITH SHUT OFF AT THE MAIN LINE CORP STOP. INSTALL NEW PIPING AND FITTINGS TO THE METER BOX, THEN RECONNECT TO EXISTING SERVICE. RETURN OLD METER BOXES BACK TO THE CITY.
7. ADJUST WATER LINE TO CLEAR FISH PASSAGE CULVERT, CUT EXISTING 10" DI PIPE AND INSTALL: 2-10" GV (MJ) - PROVIDE TEMPORARY THRUST BLOCKING DURING CONSTRUCTION, MAINTAIN LOCAL WATER SVC. 2-45' BEND (MJ) WITH MEGALUG AND THREADED ROD RESTRAINED JOINTS. COORDINATE WITH FISH PASSAGE CULVERT INSTALLATION, VERIFY CLEARANCE AND PROVIDE WORK PLAN TO CITY 21-DAYS PRIOR TO BEGINNING WORK. TOP OF CULVERT = 110.6±, PROVIDE 3" MINIMUM CUSHION BETWEEN WATER MAIN AND FP CULVERT. SEE DETAIL SHEET UD2
8. INSTALL 1" COMBINATION AIR VALVE ASSEMBLY PER CITY STD. W-260



PROFILE
SCALE: 1:4V, 1:1H



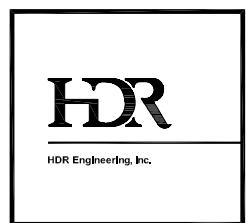
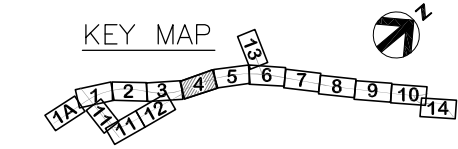
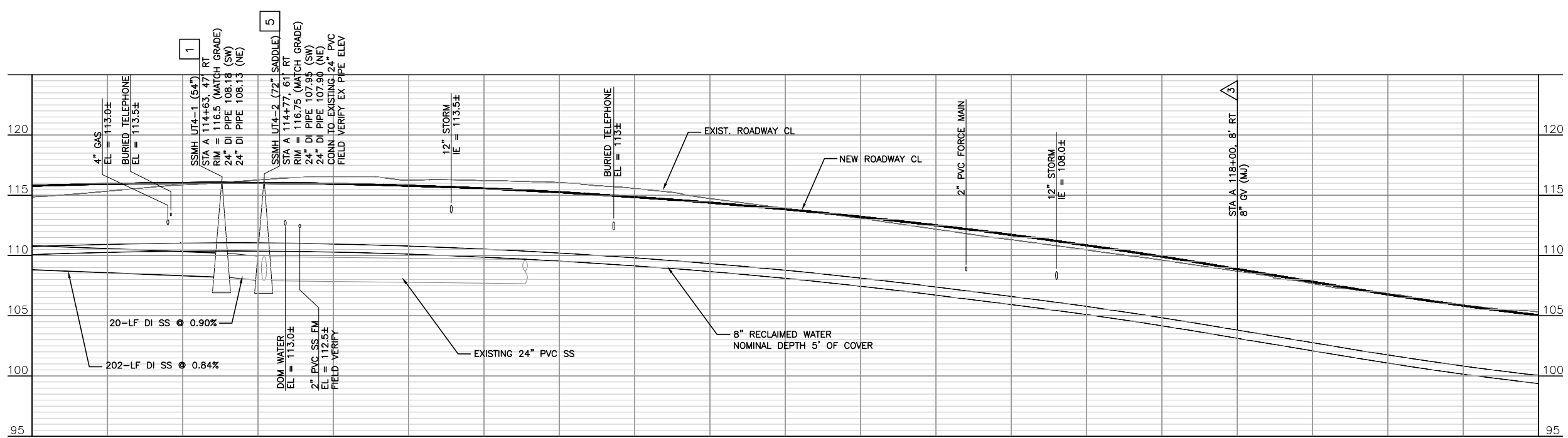
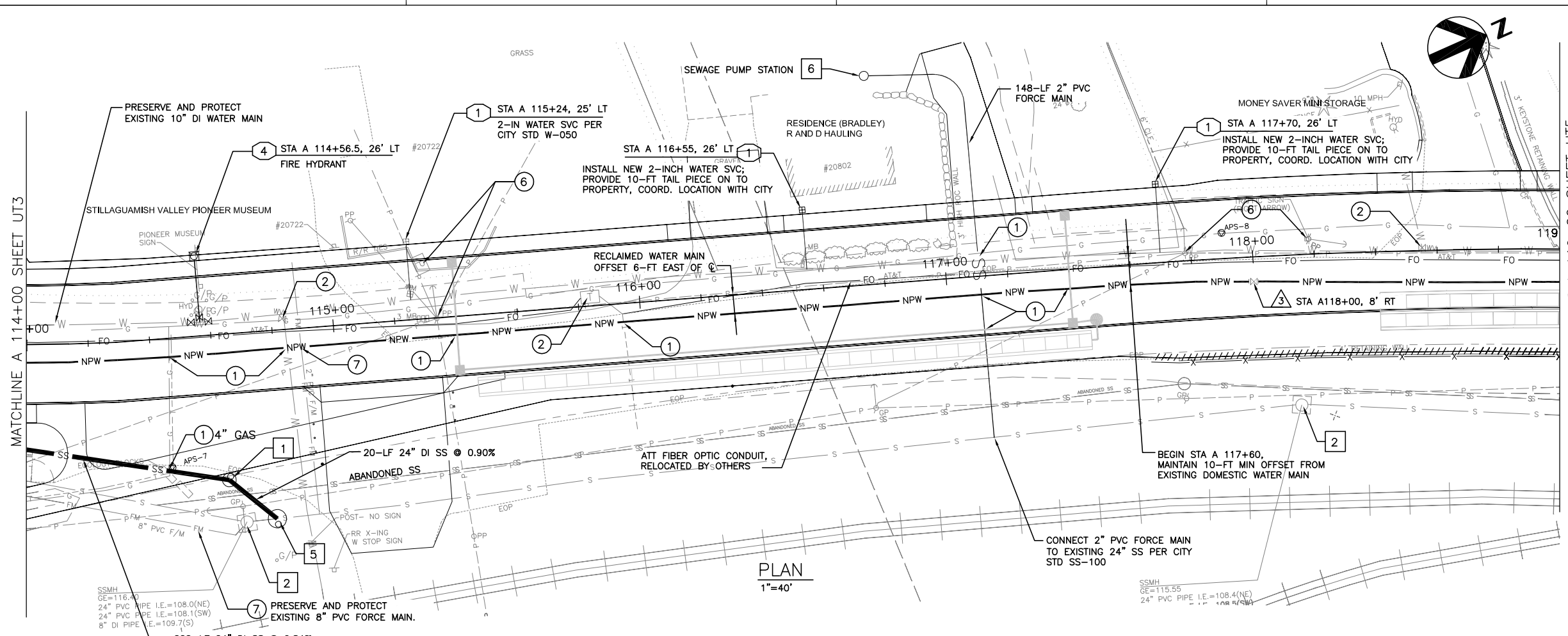
PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 000000110731



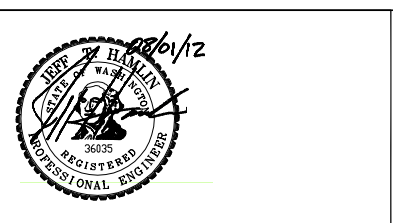
UTILITY PLAN AND PROFILE
UT3
(4 OF 15)

0 1/2" 1"

FILENAME UT-00C-03.dwg SHEET
SCALE 1"=40' (11x17) **082**



PROJECT MANAGER	
ISSUE	DATE DESCRIPTION
PROJECT NUMBER	000000110731

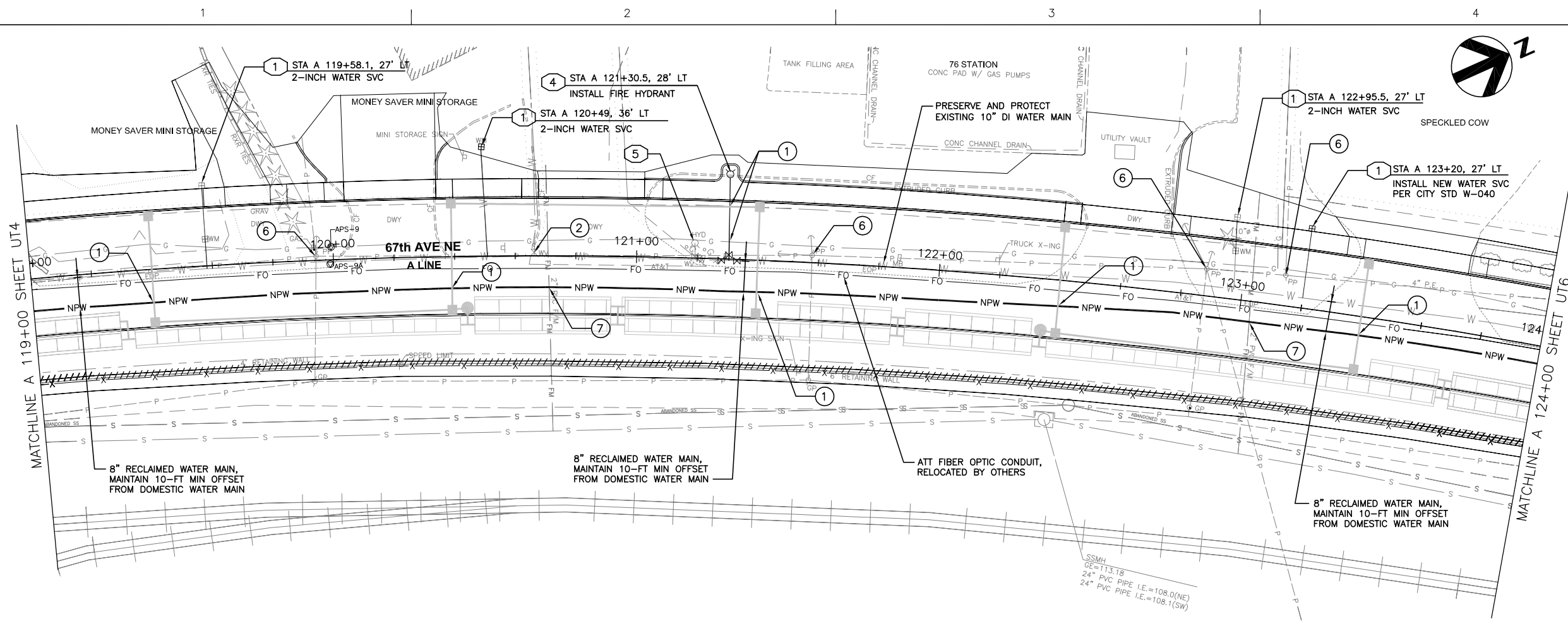


CITY OF ARLINGTON
 67th AVENUE PHASE III
 RECONSTRUCTION PROJECT

UTILITY PLAN AND PROFILE
 UT4
 (5 OF 15)

0 1/2" 1"

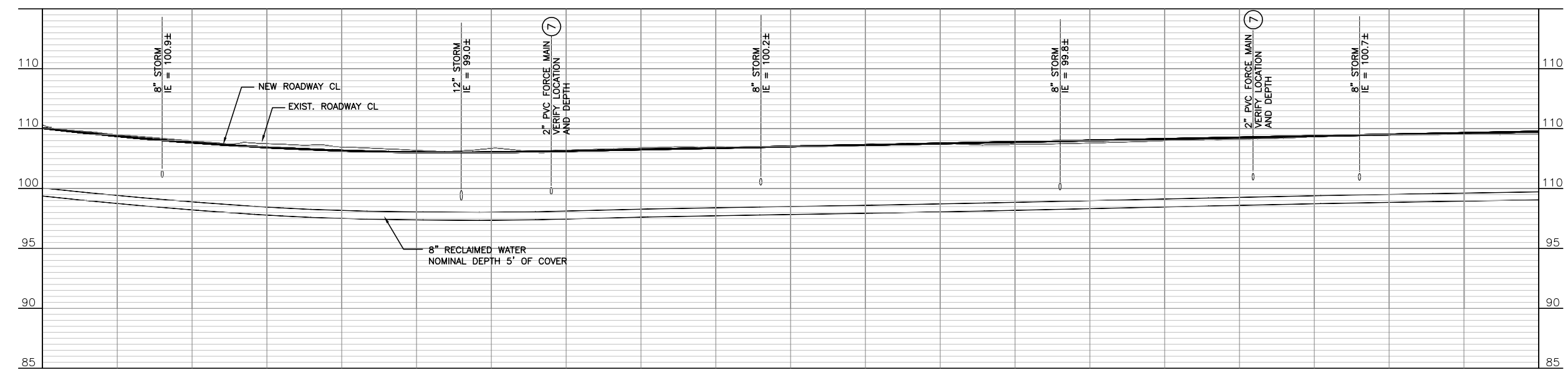
FILENAME: UT-00C-04.dwg
 SCALE: 1"=40' (11x17)
 SHEET: 083



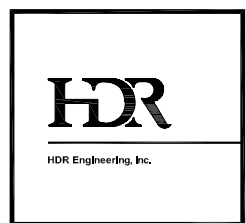
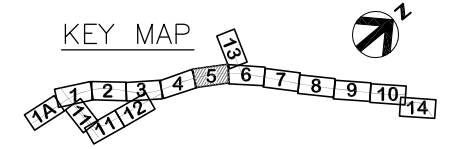
PLAN
1"=40'

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
- (X) UTILITY CONSTRUCTION NOTES**
1. COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES; PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES
 2. ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
 3. COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
 4. FIBER OPTIC HANDHOLE (TYP). SEE DETAIL, SHEET UD1
 5. FIBER OPTIC CONDUIT, COORDINATE WITH CITY; SEE DETAIL SHEET UD1
 6. UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
 7. COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE, CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058

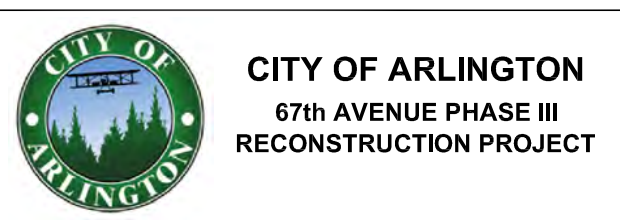
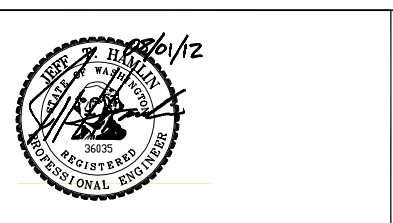
- (X) WATER NOTES**
1. EXISTING WATER SERVICES SHALL BE UPGRADED TO CURRENT CITY STD W-040 AND W-050 WITH SHUT OFF AT THE MAIN LINE CORP STOP. INSTALL NEW PIPING AND FITTINGS TO THE METER BOX; RECONNECT TO EXISTING SERVICE; RETURN OLD METER BOXES TO THE CITY.
 4. INSTALL FULLY VALVED FIRE HYDRANT PER CITY STD W-010, INCLUDE:
 - 1-10 X 6 TEE (FL X FL X FL)
 - 2-10" GV (FL X MJ)
 - 1-6" GV (FL X MJ)
 - 2-10" MJ SLEEVES
 5. REMOVE EXISTING HYDRANT AND 6" VALVE, PLUG WITH 6" BLIND FLANGE, RETURN HYDRANT TO THE CITY.



PROFILE
SCALE: 1:4V, 1:1H



PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 0000000110731

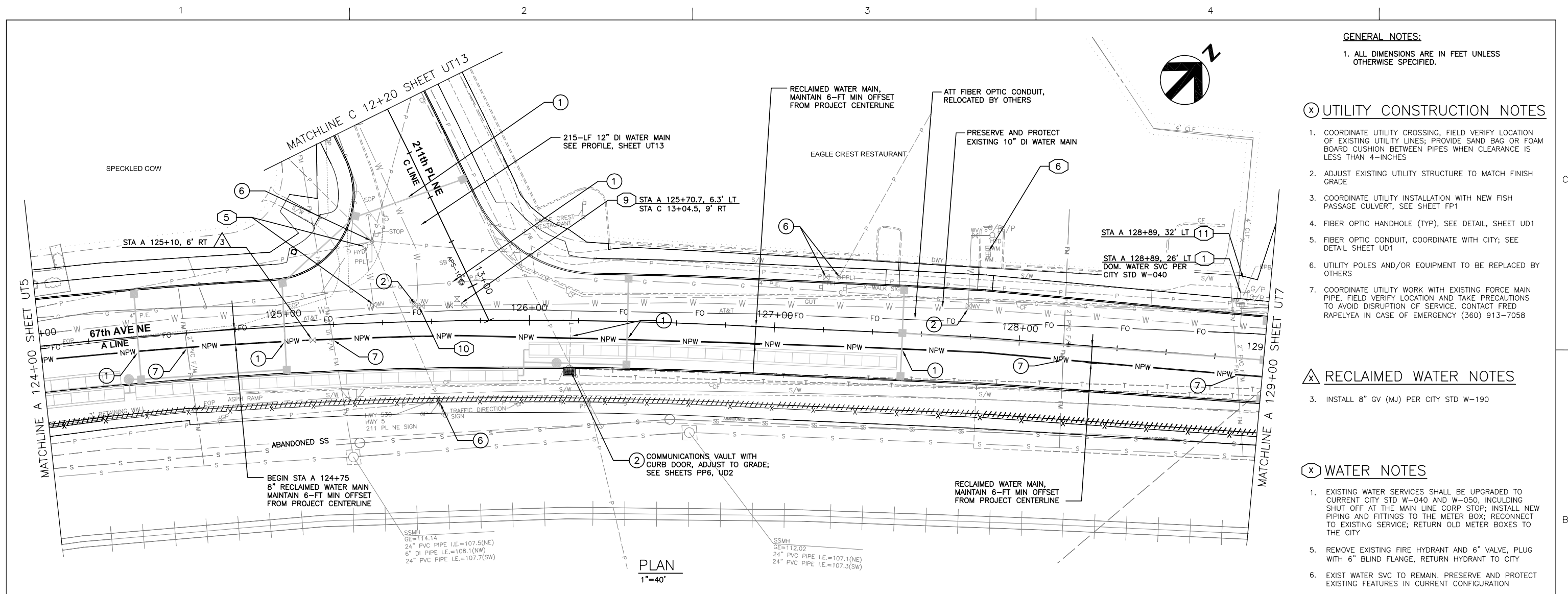


UTILITY PLAN AND PROFILE

UT5
(6 OF 15)

0 1/2" 1"

FILENAME UT-00C-05.dwg SHEET
SCALE 1"=40' (11x17) **084**



PLAN
1"=40'

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

(X) UTILITY CONSTRUCTION NOTES

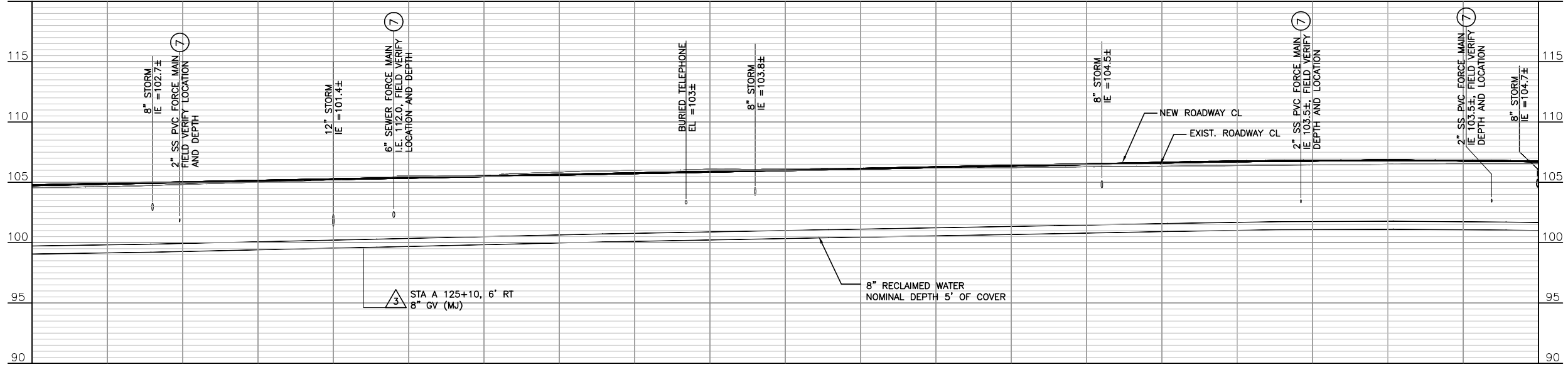
- COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES; PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES
- ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
- COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
- FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD1
- FIBER OPTIC CONDUIT, COORDINATE WITH CITY; SEE DETAIL SHEET UD1
- UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
- COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058

(A) RECLAIMED WATER NOTES

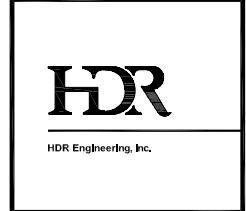
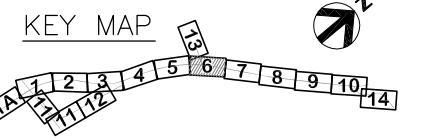
- INSTALL 8" GV (MJ) PER CITY STD W-190

(X) WATER NOTES

- EXISTING WATER SERVICES SHALL BE UPGRADED TO CURRENT CITY STD W-040 AND W-050, INCLUDING SHUT OFF AT THE MAIN LINE CORP STOP; INSTALL NEW PIPING AND FITTINGS TO THE METER BOX; RECONNECT TO EXISTING SERVICE; RETURN OLD METER BOXES TO THE CITY
- REMOVE EXISTING FIRE HYDRANT AND 6" VALVE, PLUG WITH 6" BLIND FLANGE, RETURN HYDRANT TO CITY
- EXIST WATER SVC TO REMAIN. PRESERVE AND PROTECT EXISTING FEATURES IN CURRENT CONFIGURATION
- CONNECT TO EXISTING 10" DI WATER MAIN, INSTALL:
 - 1-10" X 10" TEE (FL X FL X FL)
 - 2-10" GV (FL X MJ)
 - 1-10" GV (FL X FL)
 - 1-10" X 12" ADAPTER (FL X FL)
 - 1-12" 22.5" BEND (FL X MJ)
 - 2-10" MJ SLEEVES
 - THRUST BLOCK PER CITY STD W-165
- PLUG WATER MAIN WEST LEG AT EXISTING TEE WITH BLIND FLANGE; ABANDON WATER MAIN WEST LEG; PRESERVE EXISTING 10" WATER MAIN AND VALVES
- FURNISH AND INSTALL RPBA IN HOT BOX PER CITY STD W-130; RECONNECT TO EXISTING SVC



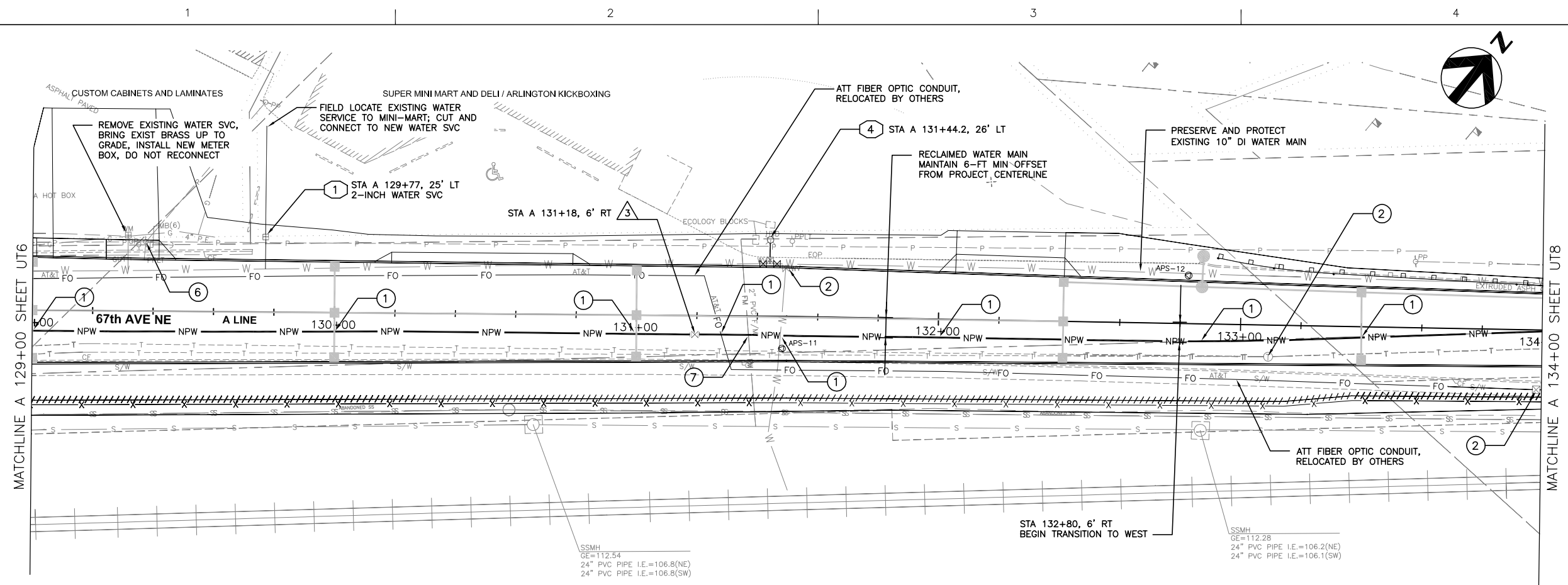
PROFILE
SCALE: 1:4V, 1:1H



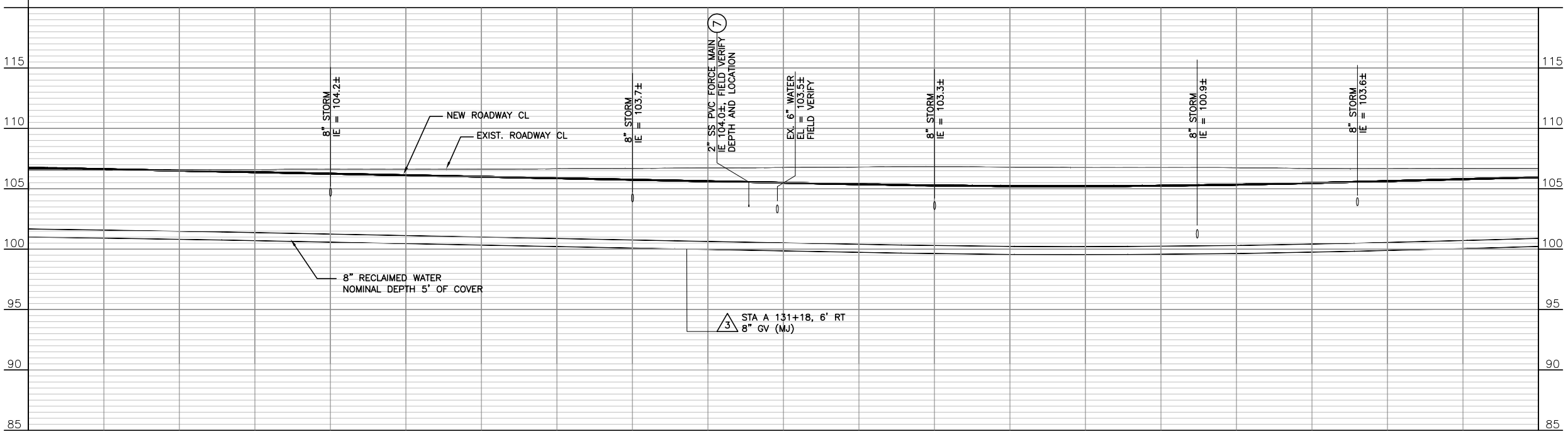
PROJECT MANAGER	
ISSUE	DATE DESCRIPTION
PROJECT NUMBER	0000000110731



UTILITY PLAN AND PROFILE	
UT6 (7 OF 15)	
FILENAME	UT-00C-06.dwg
SHEET	085
SCALE	1"=40' (11x17)



PLAN
1"=40'

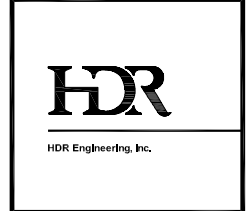
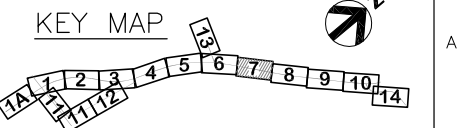


PROFILE
SCALE: 1:4V, 1:1H

- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
- UTILITY CONSTRUCTION NOTES**
- COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES. PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES
 - ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
 - COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
 - FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD1
 - FIBER OPTIC CONDUIT, COORDINATE WITH CITY; SEE DETAIL SHEET UD1
 - UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
 - COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058

- RECLAIMED WATER NOTES**
- INSTALL 8" GV (MJ) PER CITY STD W-190

- WATER NOTES**
- EXISTING WATER SERVICES SHALL BE UPGRADED TO CURRENT CITY STD W-040 AND W-050K, INCLUDE SHUT OFF AT THE MAIN LINE CORP STOP; INSTALL NEW PIPING AND FITTINGS TO THE METER BOX; RECONNECT TO EXISTING SERVICE; RETURN OLD METER BOXES TO THE CITY
 - INSTALL FULLY VALVED FIRE HYDRANT PER CITY STD W-010, INCLUDE:
 - 1-10" X 6" TEE (FL X FL X FL)
 - 2-10" GV (FL X MJ)
 - 1-6" GV (FL X MJ)
 - 2-10" MJ SLEEVES
 - RETURN EXISTING HYDRANT TO CITY



PROJECT NUMBER	0000000110731	
PROJECT MANAGER		
ISSUE	DATE	DESCRIPTION



UTILITY PLAN AND PROFILE
UT7
(8 OF 15)

0 1/2" 1"

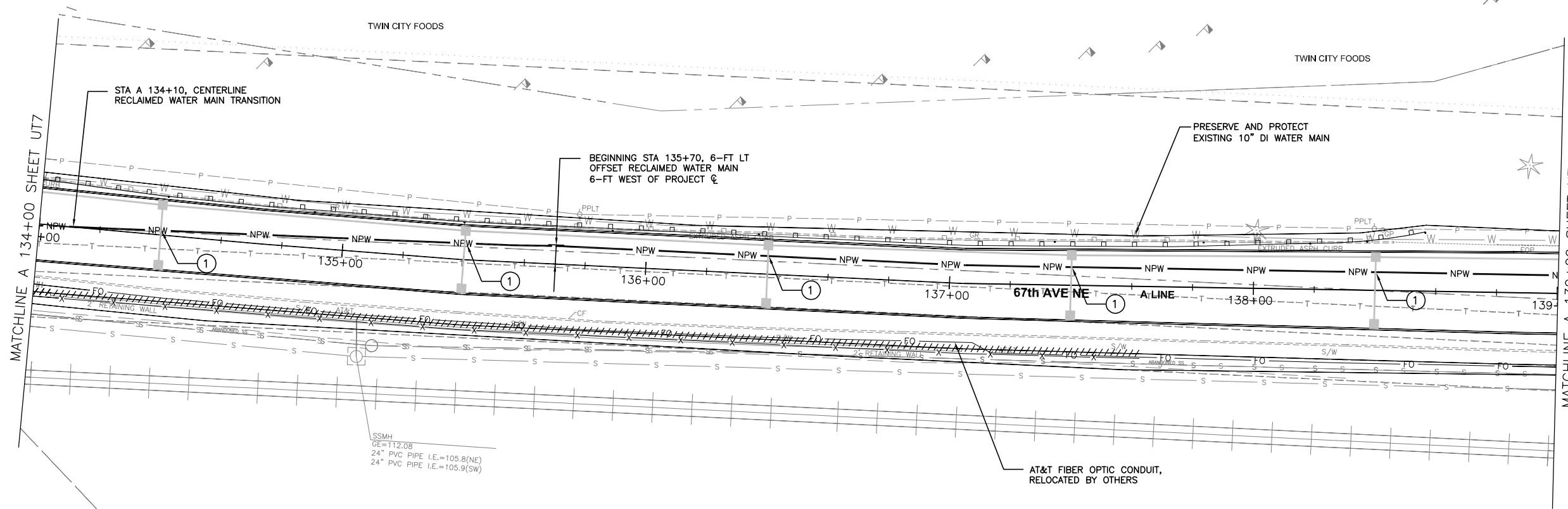
FILENAME UT-00C-07.dwg SHEET
SCALE 1"=40' (11x17) **086**



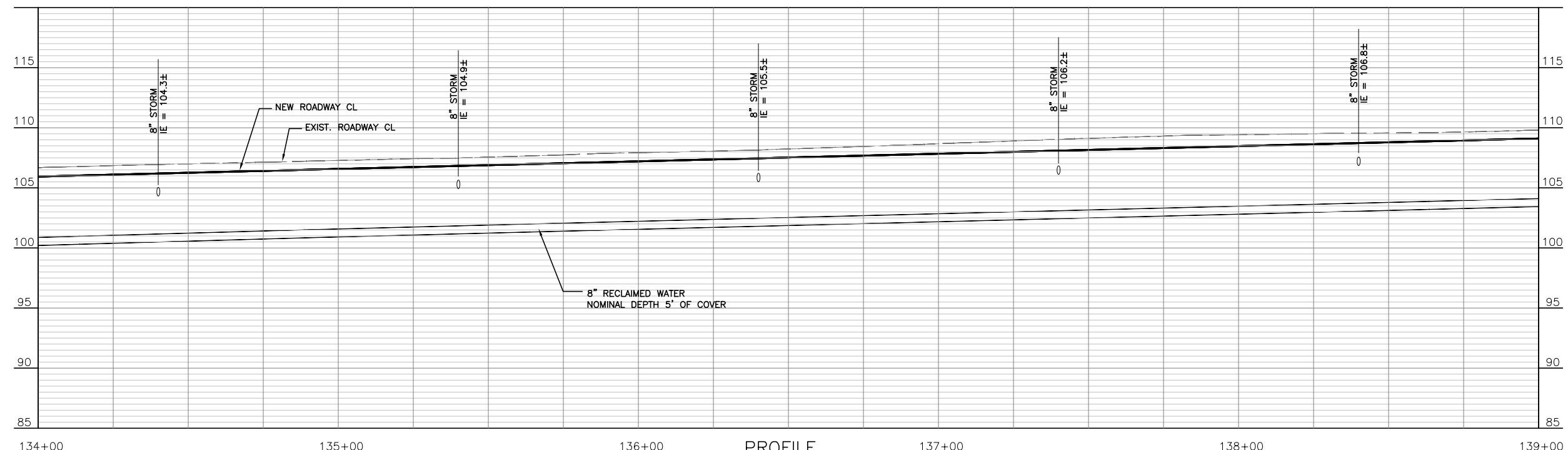
GENERAL NOTES:
 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

(X) UTILITY CONSTRUCTION NOTES

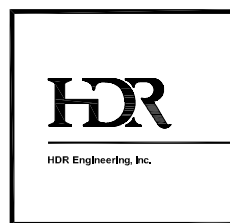
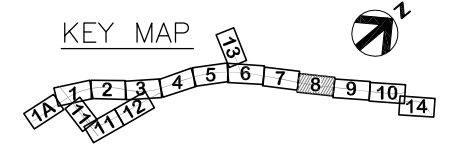
- COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES. PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES
- ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
- COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
- FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD1
- FIBER OPTIC CONDUIT, COORDINATE WITH CITY; SEE DETAIL SHEET UD1
- UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
- COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058



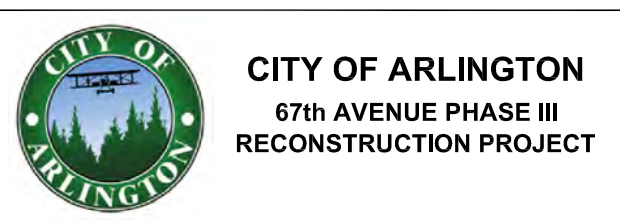
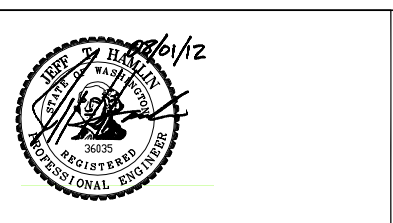
PLAN
 1"=40'



PROFILE
 SCALE: 1:4V, 1:1H



PROJECT MANAGER			PROJECT NUMBER 0000000110731		
ISSUE	DATE	DESCRIPTION			

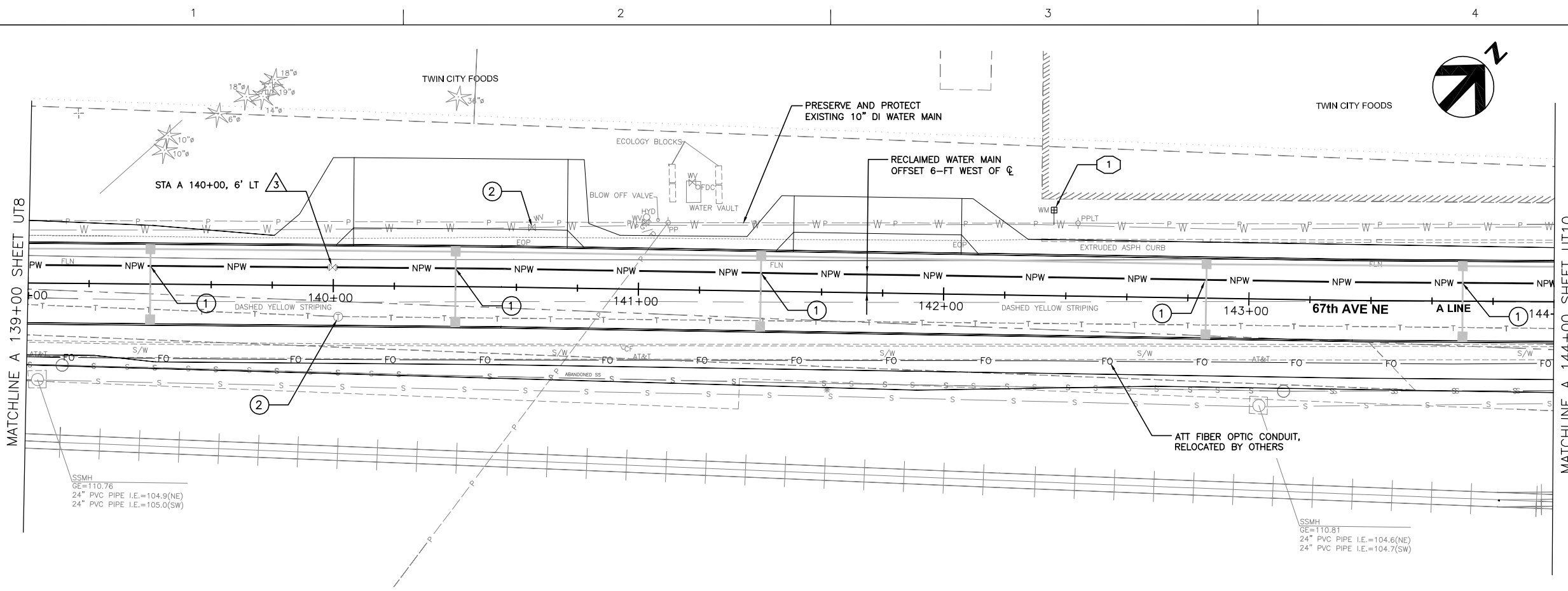


UTILITY PLAN AND PROFILE
UT8
(9 OF 15)

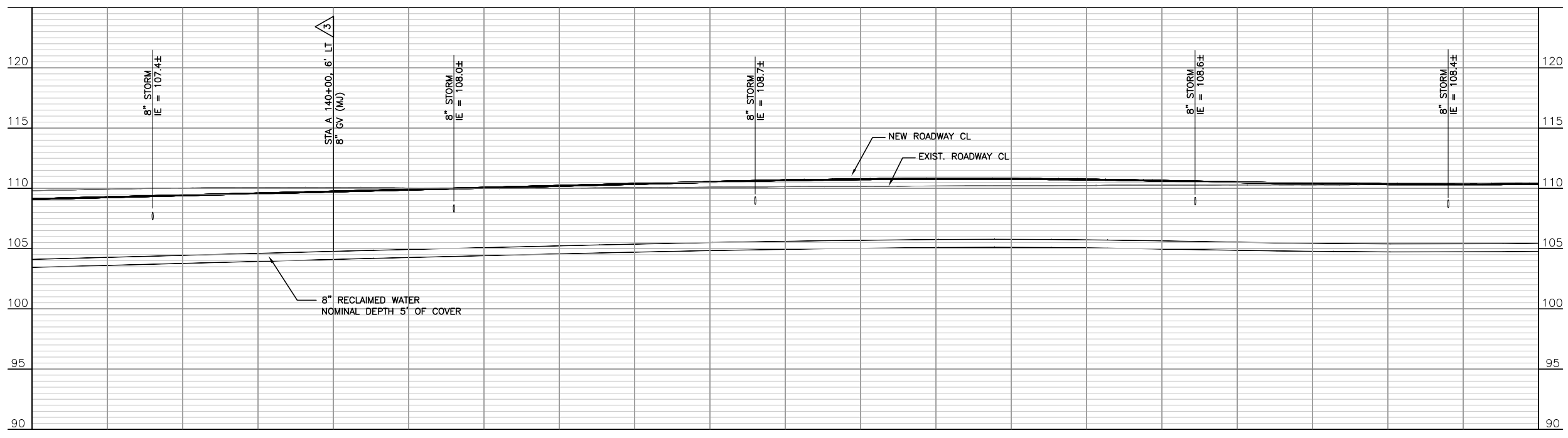
0 1/2" 1"

FILENAME UT-00C-08.dwg SHEET **087**

SCALE 1"=40' (11x17)

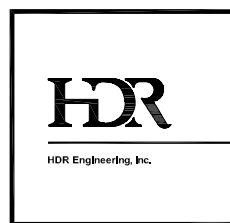
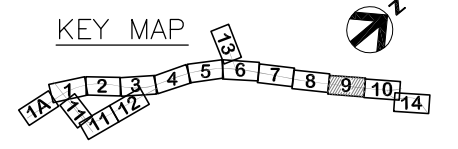


PLAN
1"=40'

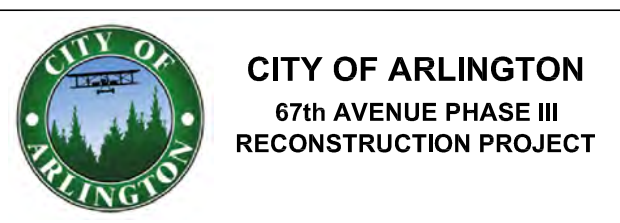
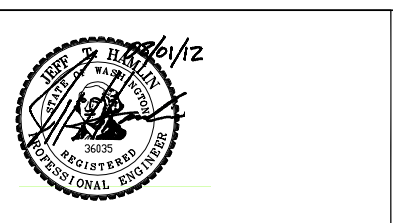


PROFILE
SCALE: 1:4V, 1:1H

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
- UTILITY CONSTRUCTION NOTES**
- COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES. PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES
 - ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
 - COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
 - FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD1
 - FIBER OPTIC CONDUIT, COORDINATE WITH CITY; SEE DETAIL SHEET UD1
 - UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
 - COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058
- RECLAIMED WATER NOTES**
- INSTALL 8" GV (MJ) PER CITY STD W-190
- WATER NOTES**
- ALL EXISTING WATER SERVICES SHALL BE UPGRADED TO CURRENT CITY STD W-040 AND W-050, INCLUDE SHUT OFF AT THE MAIN LINE CORP STOP; INSTALL NEW PIPING AND FITTINGS TO THE METER BOX; RECONNECT TO EXISTING SERVICE; RETURN OLD METER BOXES TO THE CITY



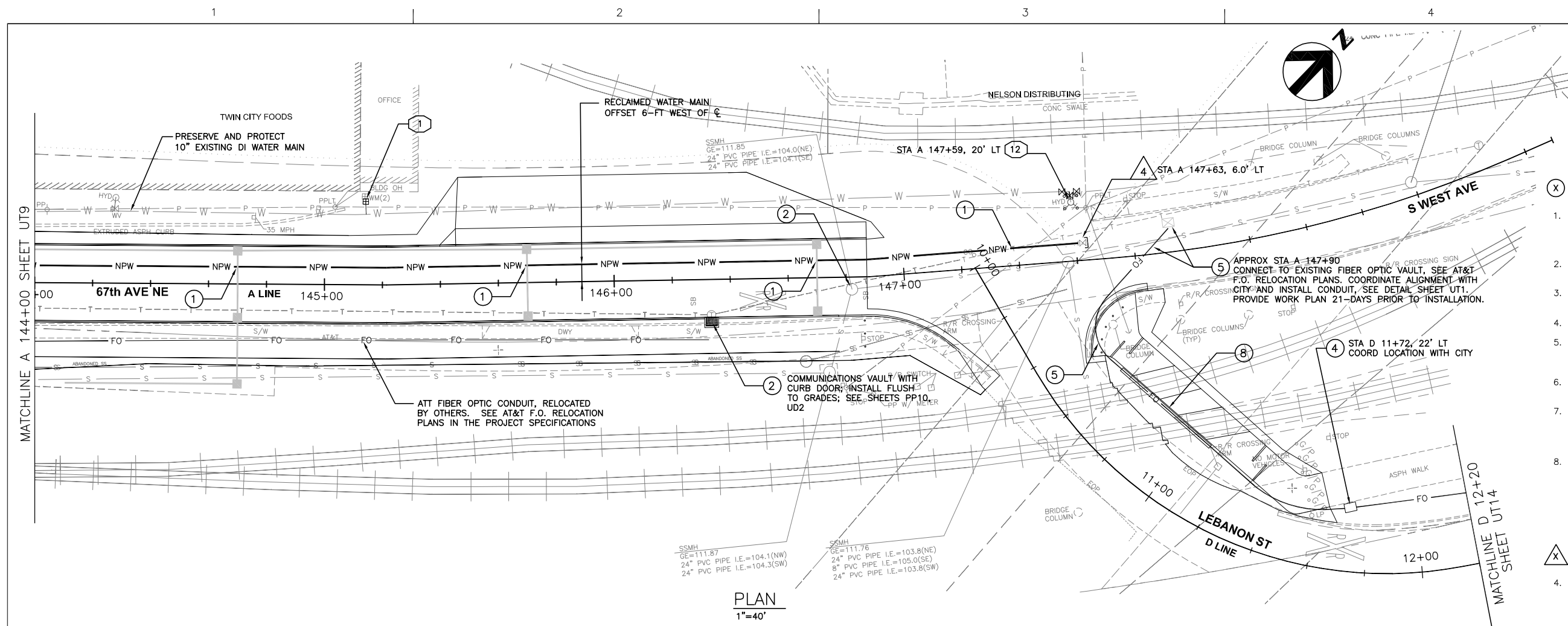
PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 000000110731



UTILITY PLAN AND PROFILE
UT9
(10 OF 15)

0 1/2" 1"

FILENAME UT-00C-09.dwg SHEET
SCALE 1"=40' (11x17) **088**



PLAN
1"=40'

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

(X) UTILITY CONSTRUCTION NOTES

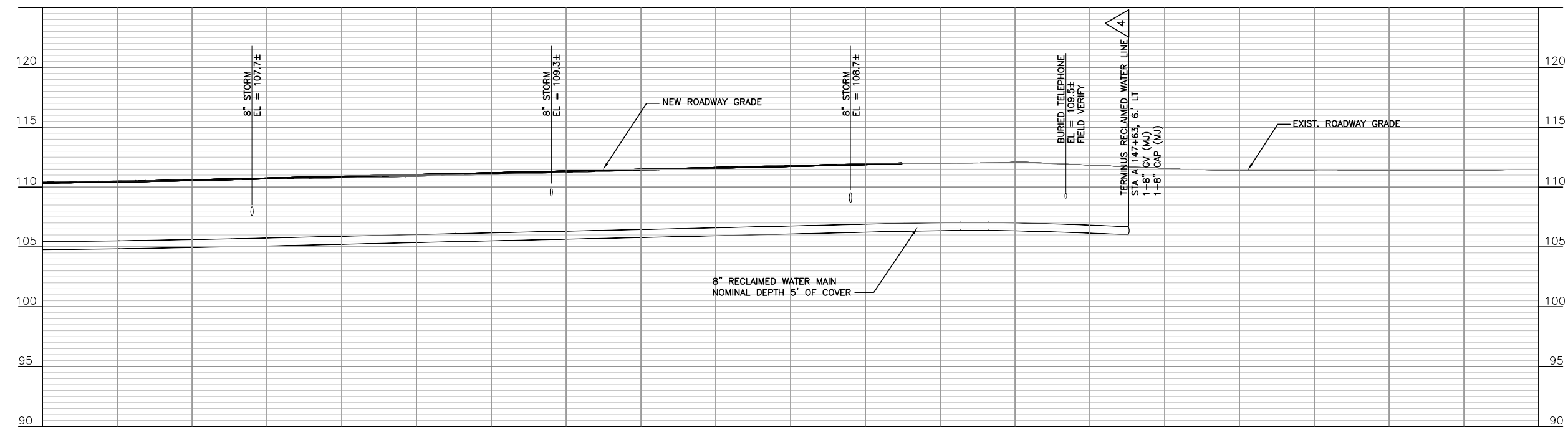
- COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES. PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES
- ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
- COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
- FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD1
- FIBER OPTIC CONDUIT, COORDINATE WITH CITY. CONNECT TO EXISTING F.O. HANDHOLE; SEE AT&T PLANS IN PROJECT SPECIFICATIONS AND DETAIL SHEET UD1
- UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
- COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058
- PROVIDE 8" DI PIPE SLEEVE FOR CITY FIBER OPTIC INSTALLATION UNDER RAILROAD TRACKS. PROVIDE WORK PLAN 21-DAYS PRIOR TO BEGINNING WORK

(X) RECLAIMED WATER NOTES

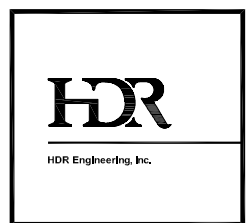
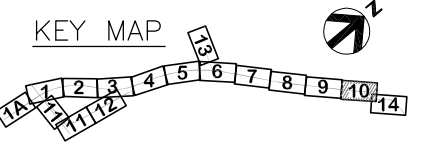
- NORTH TERMINUS OF 8" RECLAIMED WATER MAIN, INSTALL:
• 1 EA. 8" GV (MJ)
• 1 EA. 8" CAP (MJ)

(X) WATER NOTES

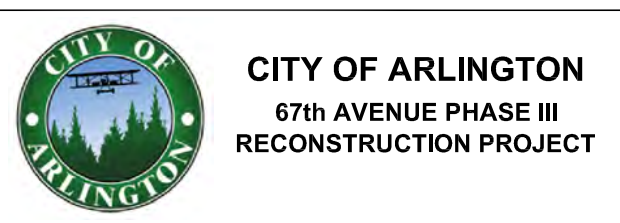
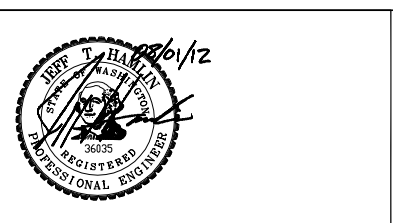
- EXISTING WATER SERVICES SHALL BE UPGRADED TO CURRENT CITY STD W-040 AND W-050, INCLUDE SHUT OFF AT THE MAIN LINE CORP STOP; INSTALL NEW PIPING AND FITTINGS TO THE METER BOX; RECONNECT TO EXISTING SERVICE; RETURN OLD METER BOXES TO THE CITY
- INSTALL FULLY VALVED FIRE HYDRANT PER CITY STD W-010, FH PAD PER STD W-020, AND 4-EA GUARD POSTS PER STD W-030, INCLUDE:
• 1-10" X 6" TEE (FL X FL X FL)
• 2-10" GV (FL X MJ)
• 1-6" GV (FL X FL)
• 2-10" MJ SLEEVES
• RETURN EXISTING HYDRANT TO CITY



PROFILE
SCALE: 1:4V, 1:1H



PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 000000110731

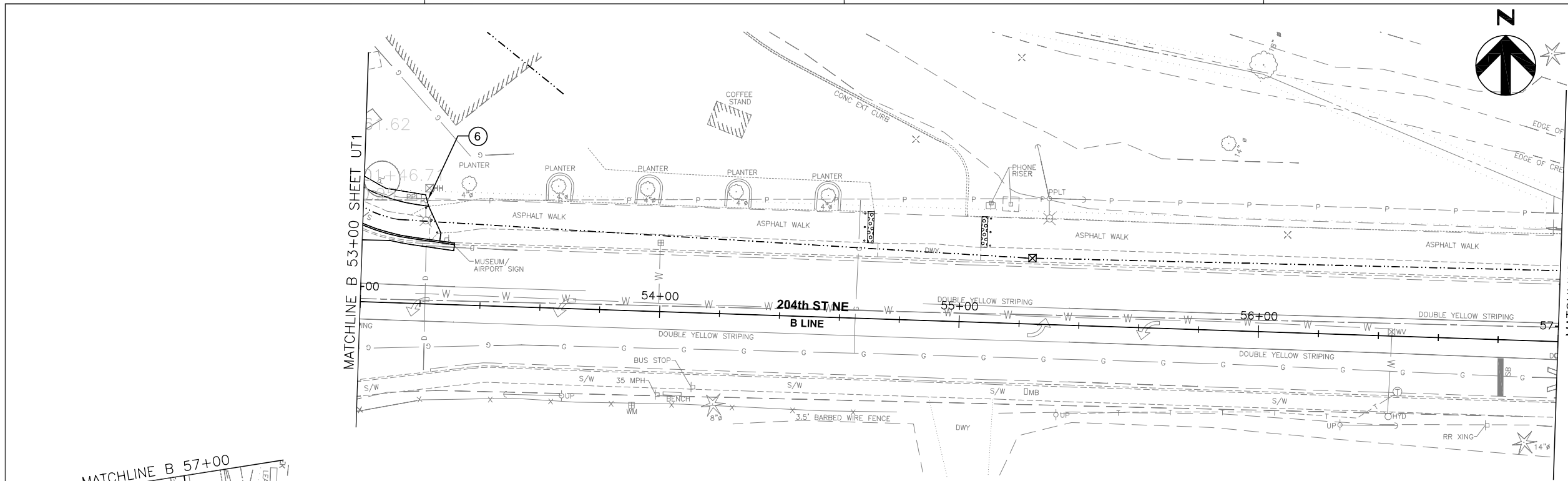


UTILITY PLAN AND PROFILE
UT10
(11 OF 15)

0 1/2" 1"

FILENAME UT-00C-10.dwg SHEET 089

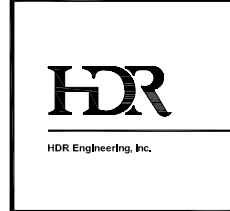
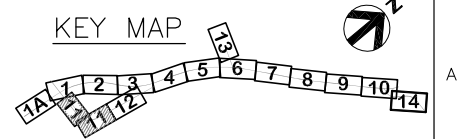
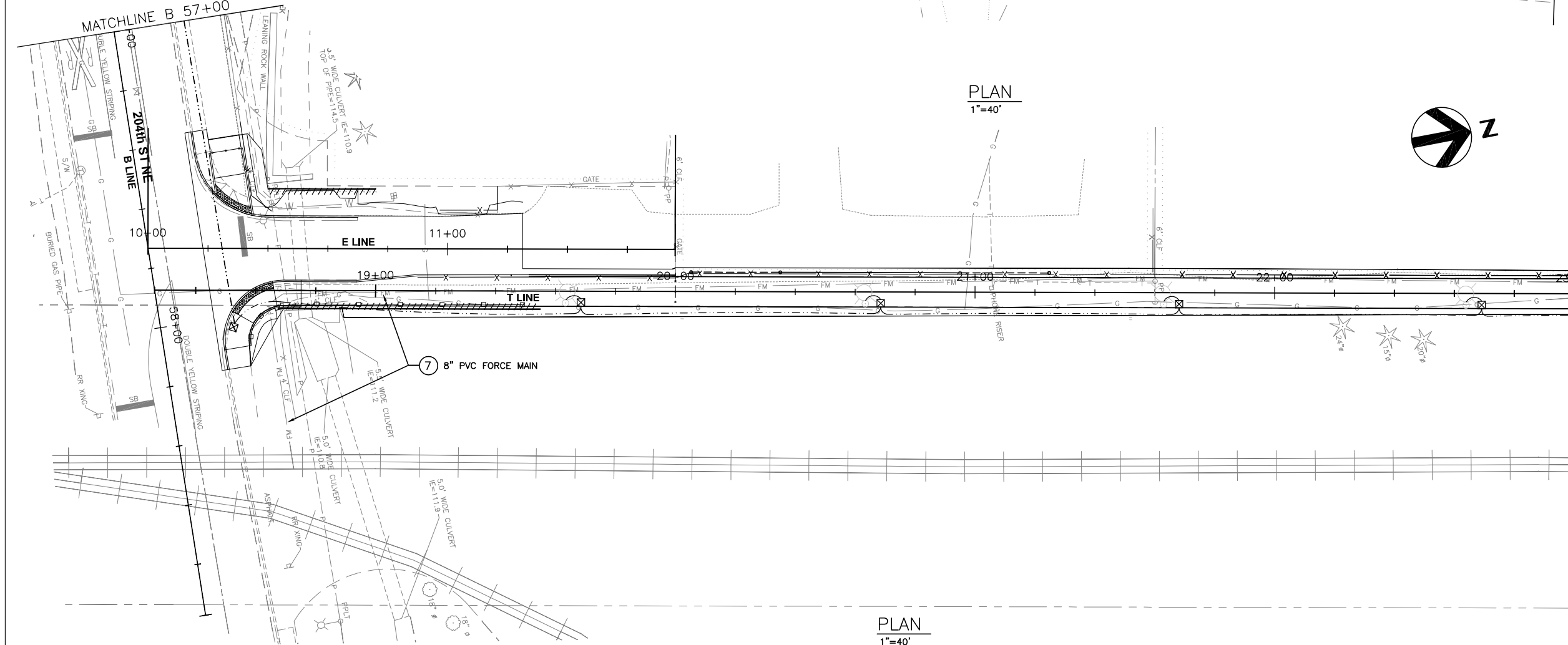
SCALE 1"=40' (11x17)



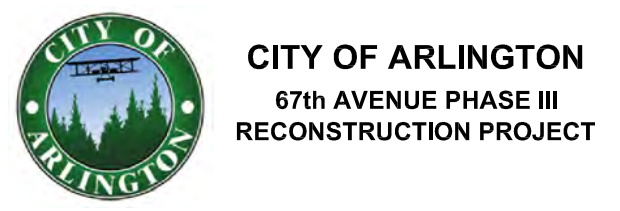
GENERAL NOTES:
 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

(X) UTILITY CONSTRUCTION NOTES

1. COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES
2. ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
3. COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
4. FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD1
5. FIBER OPTIC CONDUIT, COORD LOCATION WITH CITY, SEE DETAIL SHEET UD1
6. UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
7. COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER
			0000000110731



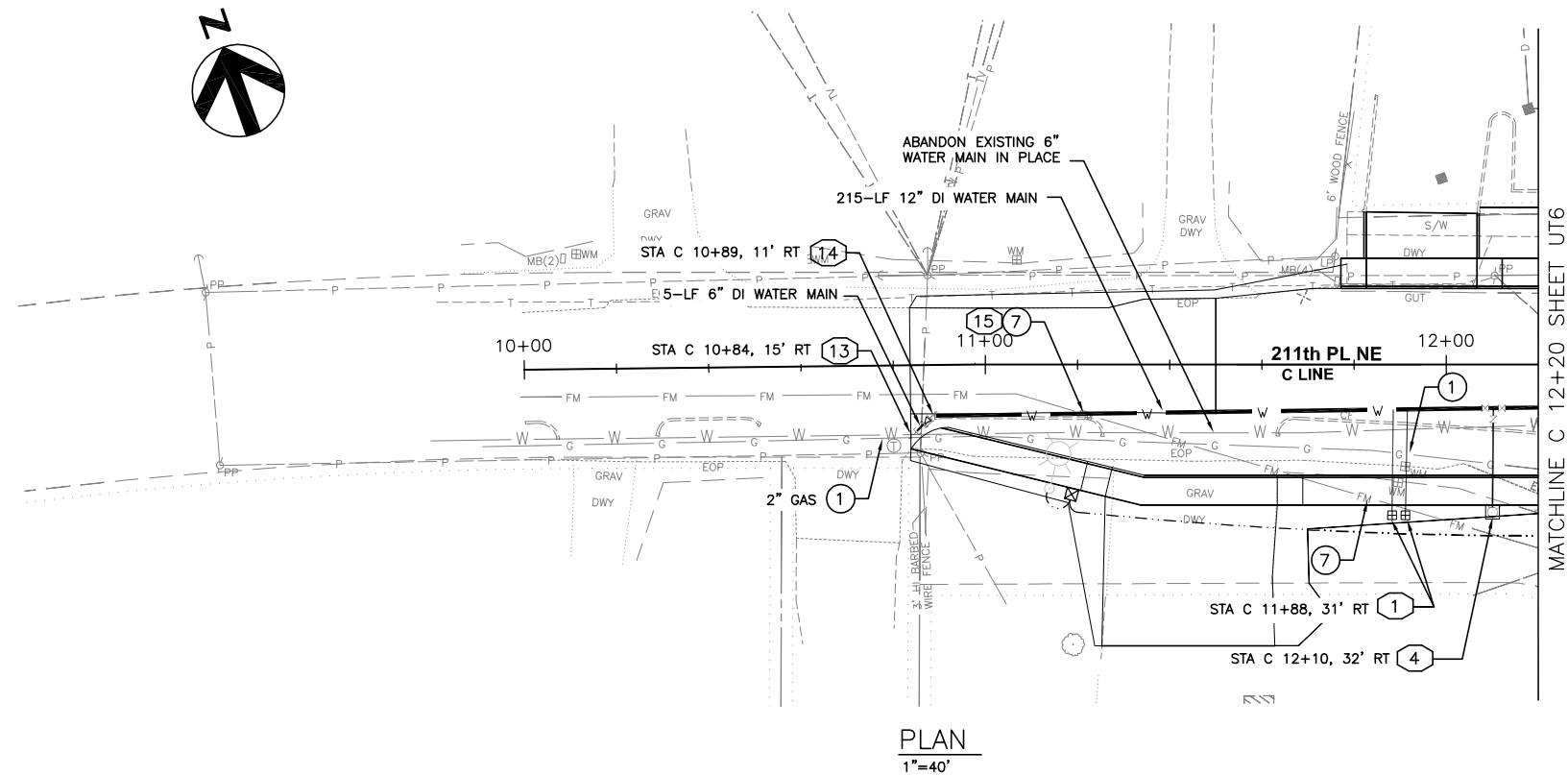
UTILITY PLAN AND PROFILE
UT11
(12 OF 15)

0 1/2" 1"

FILENAME UT-00C-11.dwg SHEET **090**

SCALE 1"=40' (11x17)

GENERAL NOTES:
 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.



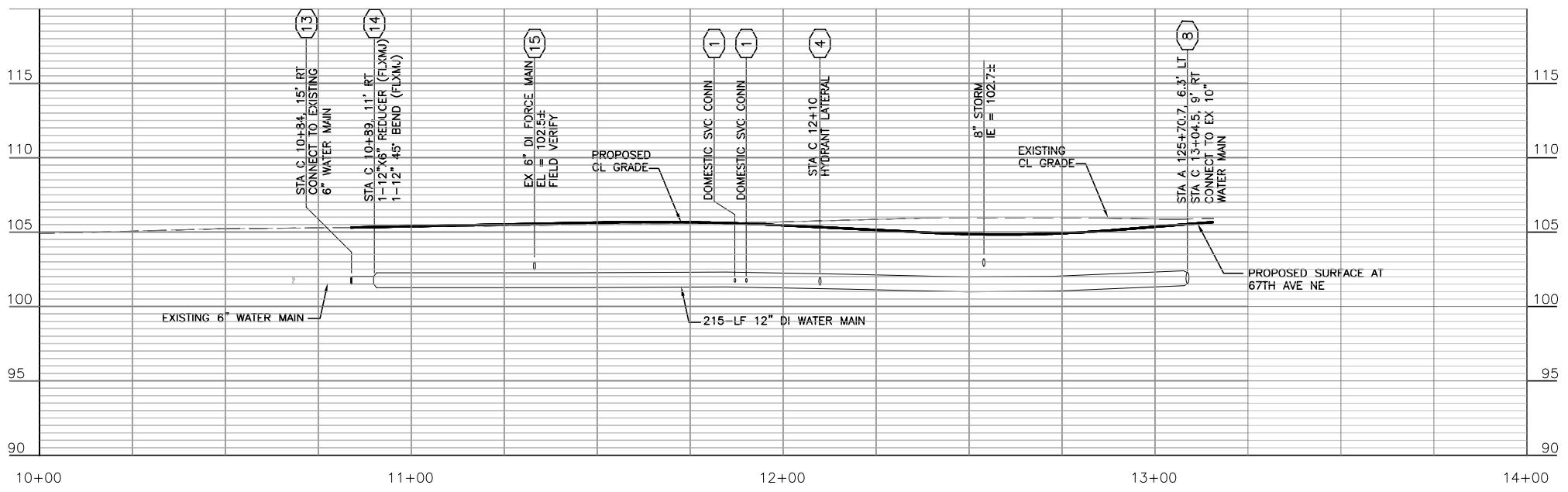
PLAN
1"=40'

UTILITY CONSTRUCTION NOTES

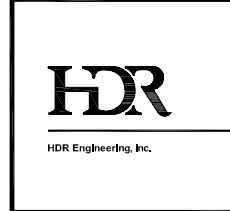
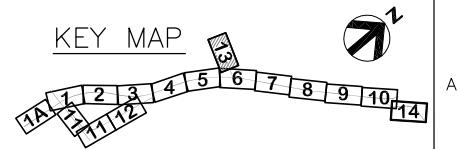
- COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES. PROVIDE SAND BAG OR FOAM BOARD CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES
- ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
- COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
- FIBER OPTIC HANDHOLE (TYP), SEE DETAIL, SHEET UD1
- FIBER OPTIC CONDUIT, COORDINATE WITH CITY
- UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
- COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058

WATER NOTES

- EXISTING WATER SERVICES SHALL BE UPGRADED TO CURRENT CITY STD W-040 AND W-050, INCLUDE SHUT OFF AT THE MAIN LINE CORP STOP; INSTALL NEW PIPING AND FITTINGS TO THE METER BOX; RECONNECT TO EXISTING SERVICE; RETURN OLD METER BOXES TO THE CITY
- INSTALL FULLY VALVED FIRE HYDRANT PER CITY STD W-010, WITH FH PAD PER W-020, INCLUDE:
 - 1-12" X 6" TEE (FL X FL X FL)
 - 2-12" BV (FL X MJ)
 - 1-6" GV (FL X MJ)
 - RETURN EXISTING HYDRANT TO CITY
- SEE SHEET UT6 FOR CONN TO 10" WATER MAIN
- CONNECT TO EXISTING 6" DI WATER MAIN, INCLUDE:
 - 1-6" 45° BEND (MJ)
 - 1-6" MJ SLEEVE
 - JOINTS SHALL BE MEGALUG
- INSTALL:
 - 1-12" X 6" REDUCER (FL X MJ)
 - 1-6" 45° BEND (FL X MJ)
 - JOINTS SHALL BE MEGALUG
- LOCATE FORCE MAIN (HORIZ AND VERT), SUBMIT LOCATION AND PLAN 21 DAYS PRIOR TO BEGINNING WORK



PROFILE
SCALE: 1:4V, 1:1H



PROJECT MANAGER			
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 0000000110731



UTILITY PLAN AND PROFILE
UT13
(14 OF 15)

0 1/2" 1"

FILENAME UT-00C-13.dwg SHEET **092**

SCALE 1"=40' (11x17)

1

2

3

4

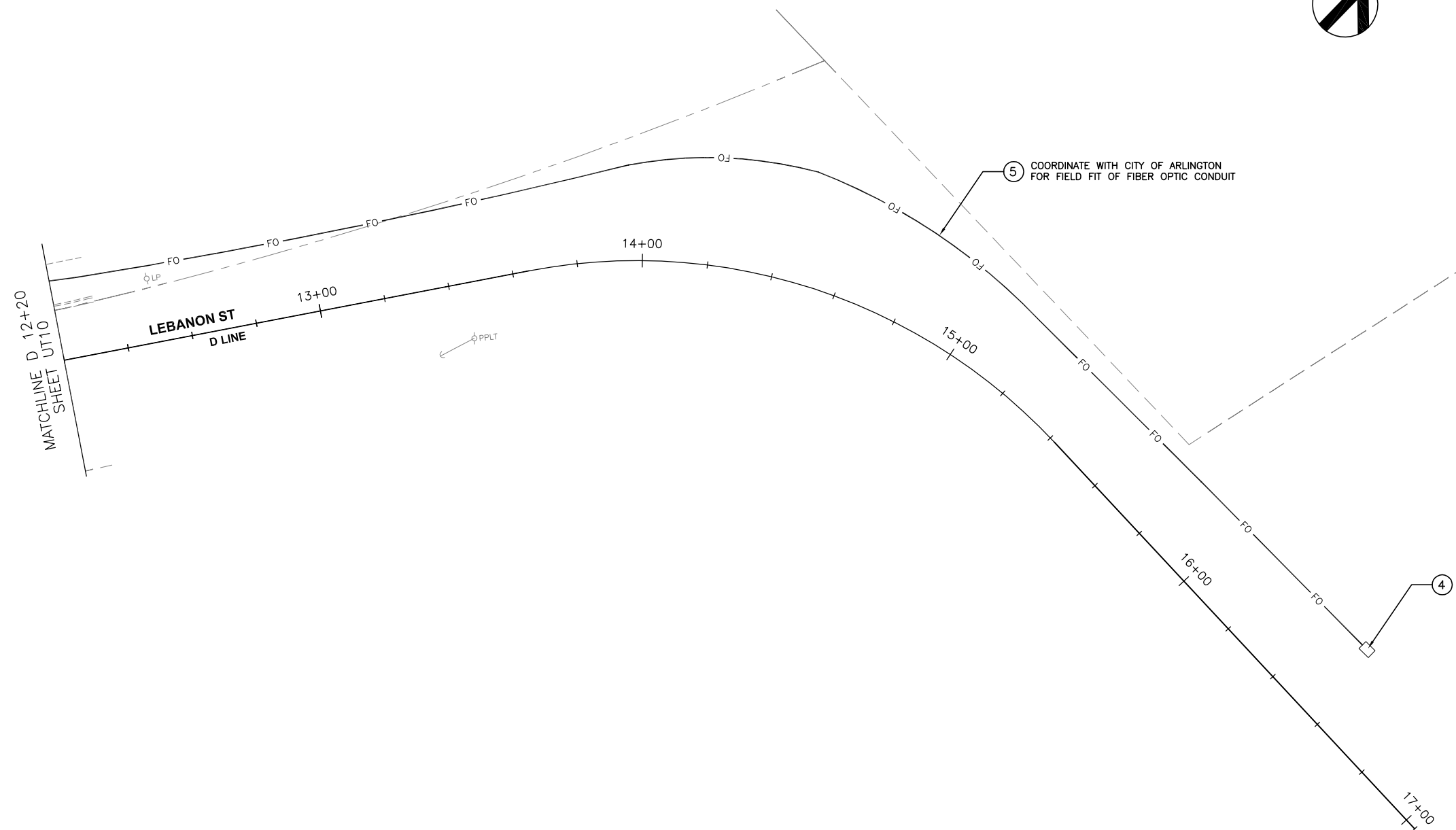


GENERAL NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

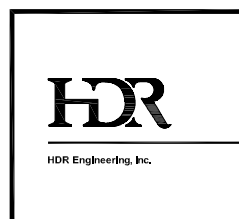
(X) UTILITY CONSTRUCTION NOTES

- COORDINATE UTILITY CROSSING, FIELD VERIFY LOCATION OF EXISTING UTILITY LINES. PROVIDE SAND BAG OR FOAM CUSHION BETWEEN PIPES WHEN CLEARANCE IS LESS THAN 4-INCHES
- ADJUST EXISTING UTILITY STRUCTURE TO MATCH FINISH GRADE
- COORDINATE UTILITY INSTALLATION WITH NEW FISH PASSAGE CULVERT, SEE SHEET FP1
- FIBER OPTIC HANDHOLE (TYP), COORDINATE LOCATION WITH CITY; SEE DETAIL, SHEET UD1
- FIBER OPTIC CONDUIT, COORDINATE LOCATION WITH CITY, SEE DETAIL, SHEET UD1
- UTILITY POLES AND/OR EQUIPMENT TO BE REPLACED BY OTHERS
- COORDINATE UTILITY WORK WITH EXISTING FORCE MAIN PIPE, FIELD VERIFY LOCATION AND TAKE PRECAUTIONS TO AVOID DISRUPTION OF SERVICE. CONTACT FRED RAPELYEA IN CASE OF EMERGENCY (360) 913-7058



PLAN
1"=40'

KEY MAP



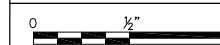
			PROJECT MANAGER	
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	0000000110731



CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

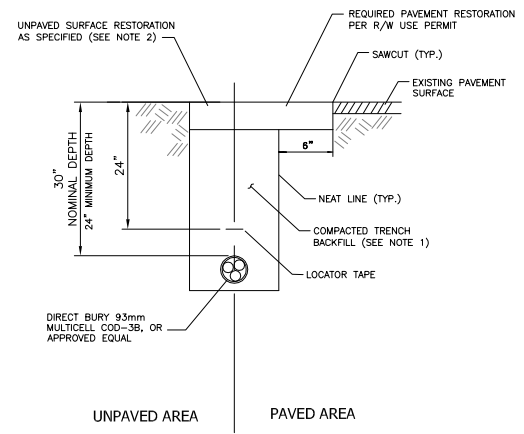
UTILITY PLAN AND PROFILE

UT14
(15 OF 15)



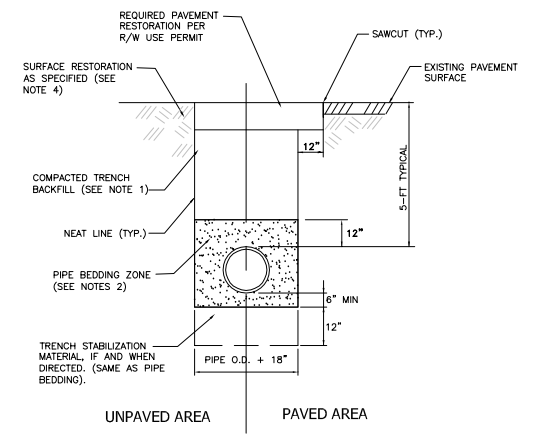
FILENAME UT-00C-14.dwg
SCALE 1"=40' (11x17)

SHEET
093



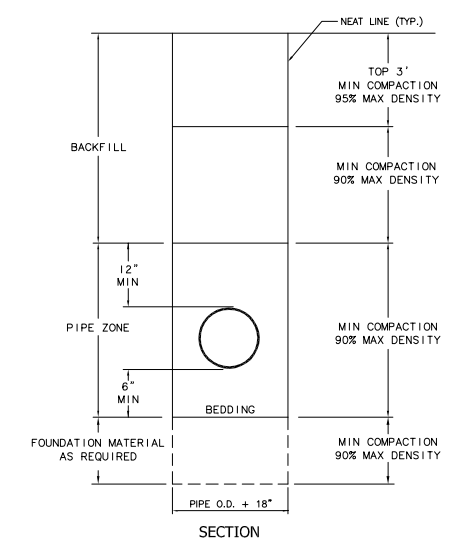
- NOTES:**
- TRENCH BACKFILL SHALL BE:
 - * PAVED AREA: GRANULAR BACKFILL AS APPROVED BY LOCAL AGENCY, OR PER WSDOT 9-03.9(3), OR CDF, OR 5/8" MINUS CRUSHED SURFACING, OR APPROVED NATIVE MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY.
 - * UNPAVED AREA: SELECTED GRANULAR MATERIAL WITH MAXIMUM DIMENSION OF 6" PER WSDOT 9-03.15, COMPACTED TO 90% OF MAXIMUM DENSITY.
 - UNPAVED AREA SHALL BE RESTORED WITH 4" TOP SOIL, FERTILIZER AND SEED, OR AS SPECIFIED. PAVEMENT RESTORATION SHALL BE DONE PER RIGHT-OF-WAY USE PERMIT, OR AS SPECIFIED.
 - CONDUIT MAY BE ADJUSTED UP OR DOWN TO CLEAR CONFLICTING UTILITIES. MINIMUM BURY DEPTH IS 24-INCHES.

TYPICAL FIBER OPTIC TRENCH SECTION
SCALE: NTS



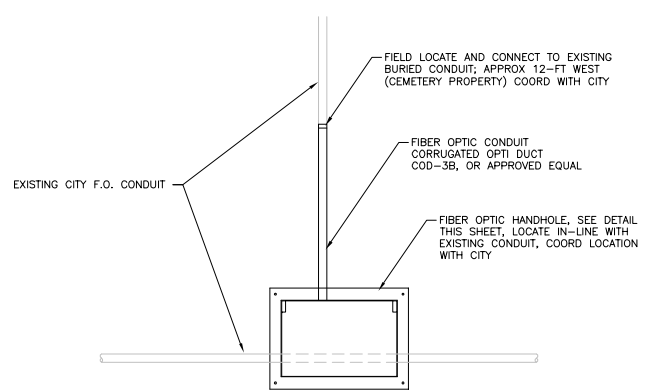
- NOTES:**
- TRENCH BACKFILL SHALL BE:
 - * PAVED AREA: GRANULAR BACKFILL AS APPROVED BY LOCAL AGENCY, OR PER WSDOT 9-03.9(3), OR CDF, OR 5/8" MINUS CRUSHED SURFACING, OR APPROVED NATIVE MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY.
 - * UNPAVED AREA: SELECTED GRANULAR MATERIAL WITH MAXIMUM DIMENSION OF 6" PER WSDOT 9-03.15, COMPACTED TO 90% OF MAXIMUM DENSITY.
 - GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL BE SELECTED GRANULAR MATERIAL PER WSDOT 9-03.12(3), WASHED SAND, OR APPROVED SUITABLE EXCAVATED MATERIAL WITH MAXIMUM DIMENSION OF 1-1/2" COMPACTED TO 95% OF MAXIMUM DENSITY BY APPROVED HAND-HELD TOOLS.
 - EXCAVATE FOR THE PIPE BELL TO ENSURE UNIFORM SUPPORT FOR THE PIPE BELL.
 - UNPAVED AREA SHALL BE RESTORED WITH 4" TOP SOIL, FERTILIZER AND SEED, OR AS SPECIFIED. PAVEMENT RESTORATION SHALL BE DONE PER RIGHT-OF-WAY USE PERMIT, OR AS SPECIFIED.

TYPICAL RECLAIMED WATER MAIN TRENCH SECTION
SCALE: NTS



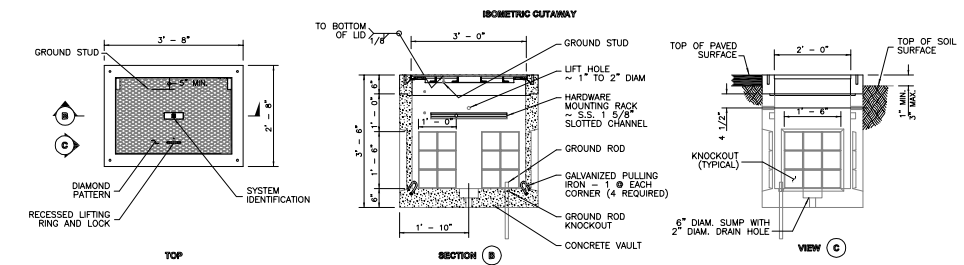
- NOTES:**
- ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES BEFORE COMPACTION UNLESS AUTHORIZED BY THE CITY ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT.
 - MECHANICAL COMPACTION OF BACK FILL MATERIAL SHALL NOT BEGIN UNTIL THE DEPTH OF COMPACTED BACKFILL MATERIAL IS 2 FEET ABOVE THE TOP OF PIPE.
 - EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.
 - COMPACTION TESTS SHALL BE AS REQUIRED BY THE CITY ENGINEER, BUT IN NO CASE LESS THAN 2 TESTS EVERY 200 FEET OF TRENCH (ONE AT SUBGRADE AND ONE AT 50% OF TRENCH DEPTH).
 - IN-PLACE DENSITY AND MOISTURE CONTENT WILL BE DETERMINED USING NUCLEAR METHOD, ASTM 2922-71.
 - LABORATORY MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT WILL BE DETERMINED USING THE MODIFIED PROCTOR METHOD IN ACCORDANCE WITH ASTM D-1557.
 - BEDDING MATERIAL SHALL BE 3/8" MINUS.

TYPICAL SANITARY SEWER TRENCH SECTION
SCALE: NTS

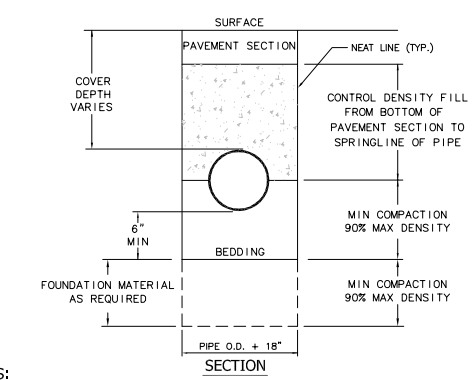


- NOTES:**
- CAREFULLY COORDINATE PLACEMENT OF VAULT WITH NEARBY BURIED WATER AND GAS FACILITIES.
 - COORDINATE WITH CITY TO DETERMINE LOCATION OF BURIED CONDUIT AT CEMETERY PROPERTY AND PROVIDE CONSTRUCTION PLAN 7-DAYS PRIOR TO INSTALLATION.

FIBER OPTIC HANDHOLE - CEMETERY LOCATION
SCALE: NTS

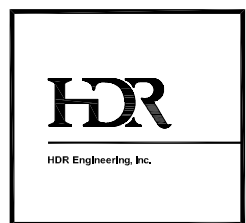


FIBER OPTIC HANDHOLE DETAIL
SCALE: NTS

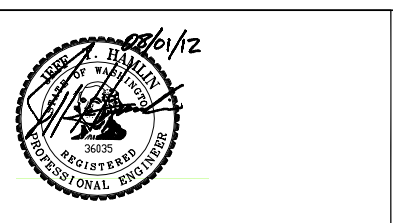


- NOTES:**
- SHALLOW TRENCH SECTION SHALL BE USED FOR ALL SANITARY SEWER PIPE IN PAVED AREAS WHERE TOTAL DEPTH OF COVER IS 3- FEET OR LESS.
 - ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES BEFORE COMPACTION UNLESS AUTHORIZED BY THE CITY ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT.
 - EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.
 - COMPACTION TESTS SHALL BE AS REQUIRED BY THE CITY ENGINEER, BUT IN NO CASE LESS THAN 2 TESTS EVERY 200 FEET OF TRENCH (ONE AT SUBGRADE AND ONE AT 50% OF TRENCH DEPTH).
 - IN-PLACE DENSITY AND MOISTURE CONTENT WILL BE DETERMINED USING NUCLEAR METHOD, ASTM 2922-71.
 - LABORATORY MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT WILL BE DETERMINED USING THE MODIFIED PROCTOR METHOD IN ACCORDANCE WITH ASTM D-1557.
 - BEDDING MATERIAL SHALL BE 3/8" MINUS GRAVEL.
 - MINIMUM WIDTH FOR SHALLOW SANITARY SEWER TRENCH SHALL BE 4-FT AT TRENCH BOTTOM.
 - CDF PER WSDOT STD SPEC

SHALLOW SANITARY SEWER TRENCH SECTION
SCALE: NTS



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER
			000000110731

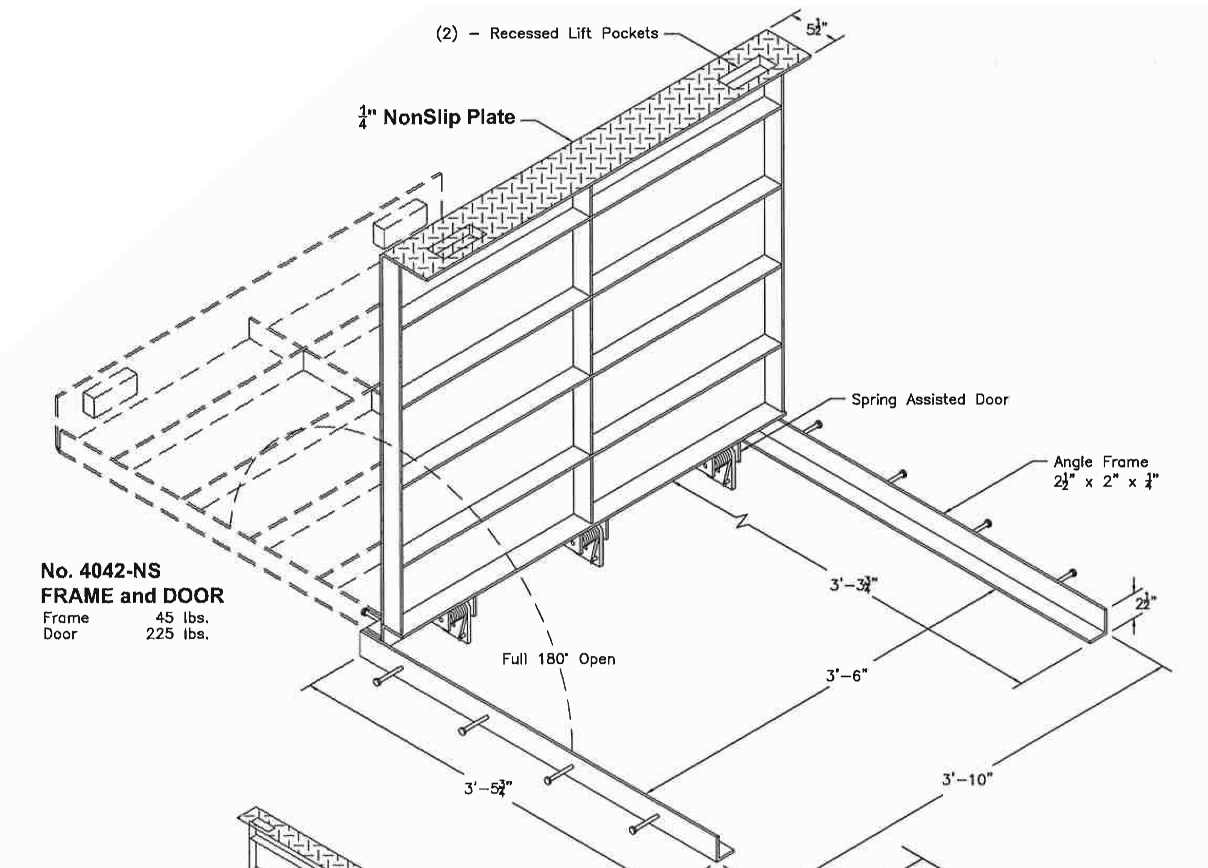


CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

UTILITY DETAILS
UD1
(1 OF 2)

0 1/2" 1"

FILENAME UD-00C-01.dwg SHEET 094
SCALE N.T.S.



**No. 4042-NS
FRAME and DOOR**
Frame 45 lbs.
Door 225 lbs.

Full 180° Open

GRADE AREA UNDER DOOR
TO DRAIN TO GUTTER

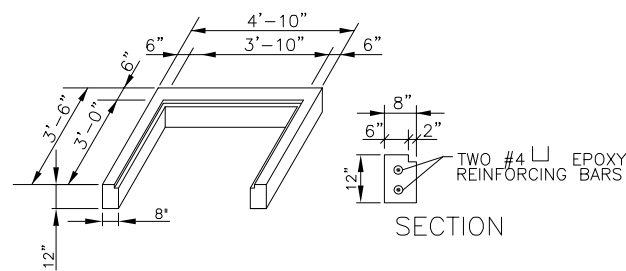
GUTTER LINE

Manhole Access Cover

Manhole Access Cover

TYPICAL INSTALLATION
Door Shown 90° Open

TYPICAL INSTALLATION
Door Shown Closed



COVER SLAB
SCALE: NTS

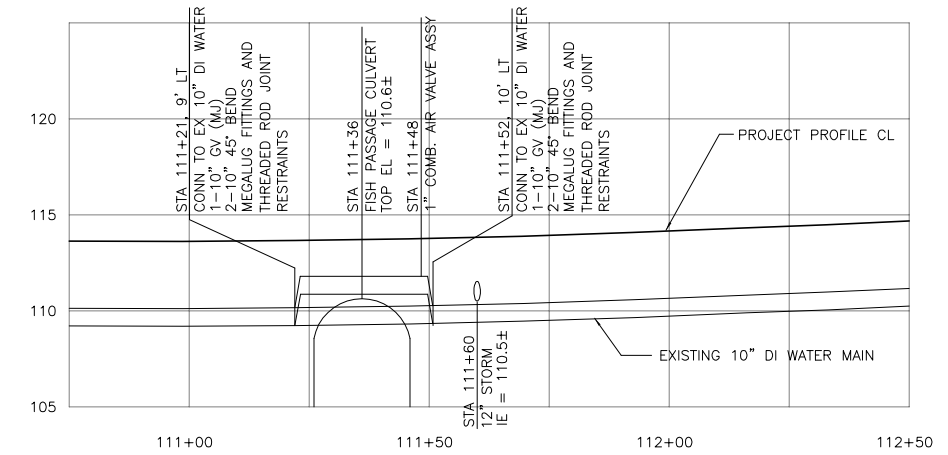
SECTION

4042 CURB DOOR
SCALE: NTS

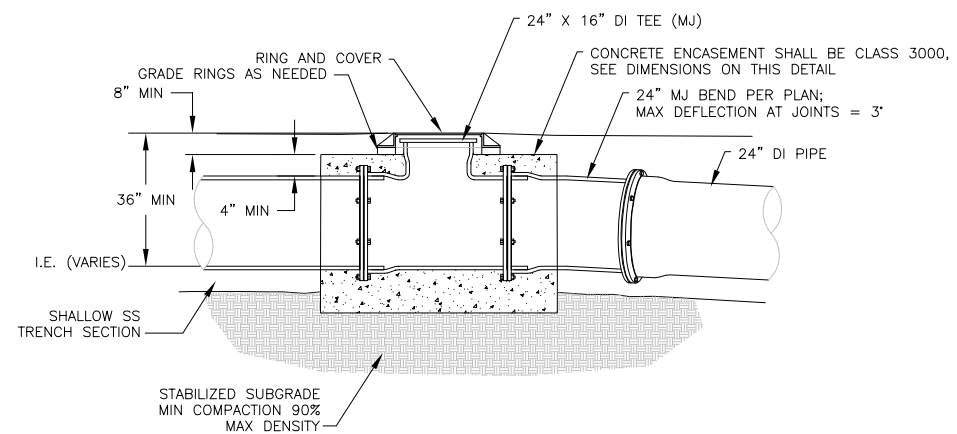
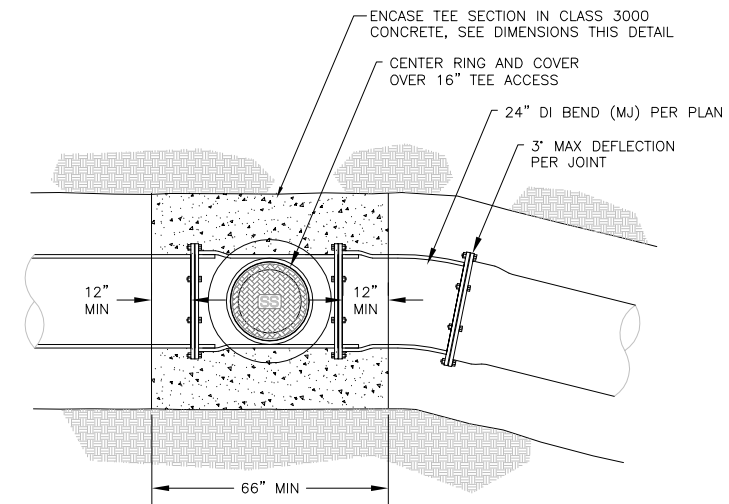
NOTES:

1. FRAME DESIGNED TO BE CAST IN CONCRETE.
2. DESIGNED FOR PEDESTRIAN TRAFFIC ONLY.
3. FRAME AND COVER TO BE INSTALLED AS ONE UNIT (DO NOT DISASSEMBLE).
4. HOT-DIPPED GALVANIZED NONSLOP FINISH.
5. EPOXY-COATED REINFORCEMENT BARS SHALL BE USED UNLESS OTHERWISE NOTED.
6. CONCRETE CLASS 3000 SHALL BE USED FOR THE COVER SLAB.
7. COVER SLAB SHALL BE USED WITH 4042 CURB DOOR WHERE THERE IS NO CONCRETE SIDEWALK.
8. SEE TABLE FOR LOCATIONS.

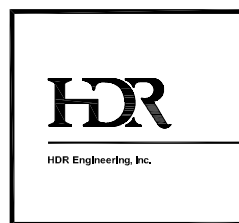
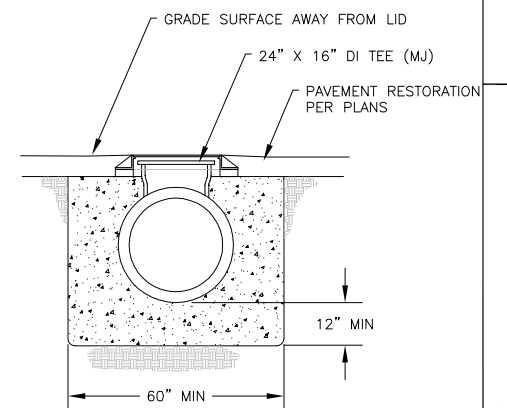
CURB DOOR	
LOCATION	UTILITY
A 126+16.50 (19.00' RT)	COMMUNICATIONS UTILITY MANHOLE
A 146+33.34 (13.00' RT)	COMMUNICATIONS UTILITY MANHOLE



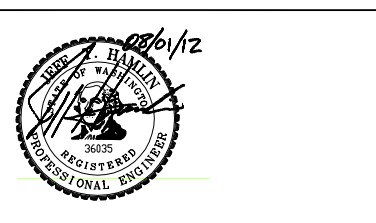
PORTAGE CREEK WATER MAIN ADJUSTMENT
SCALE: 1"=20' H, 1"=5' V



SHALLOW SS SEWER MAIN CLEANOUT (TYP)
SCALE: NTS



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER
			000000110731



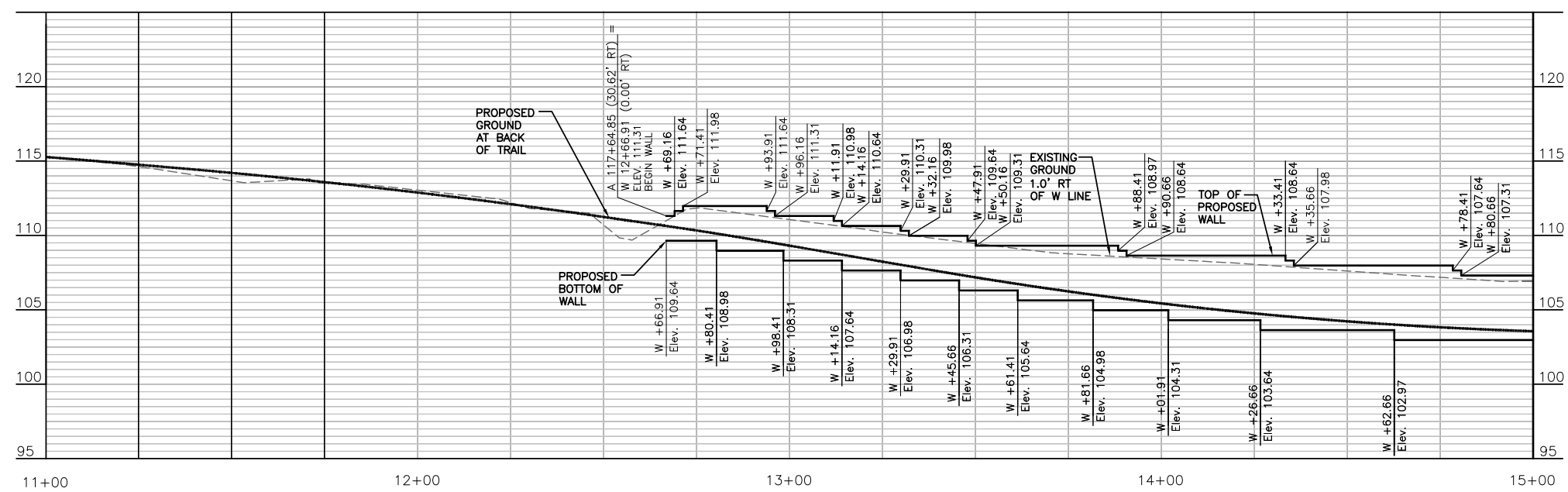
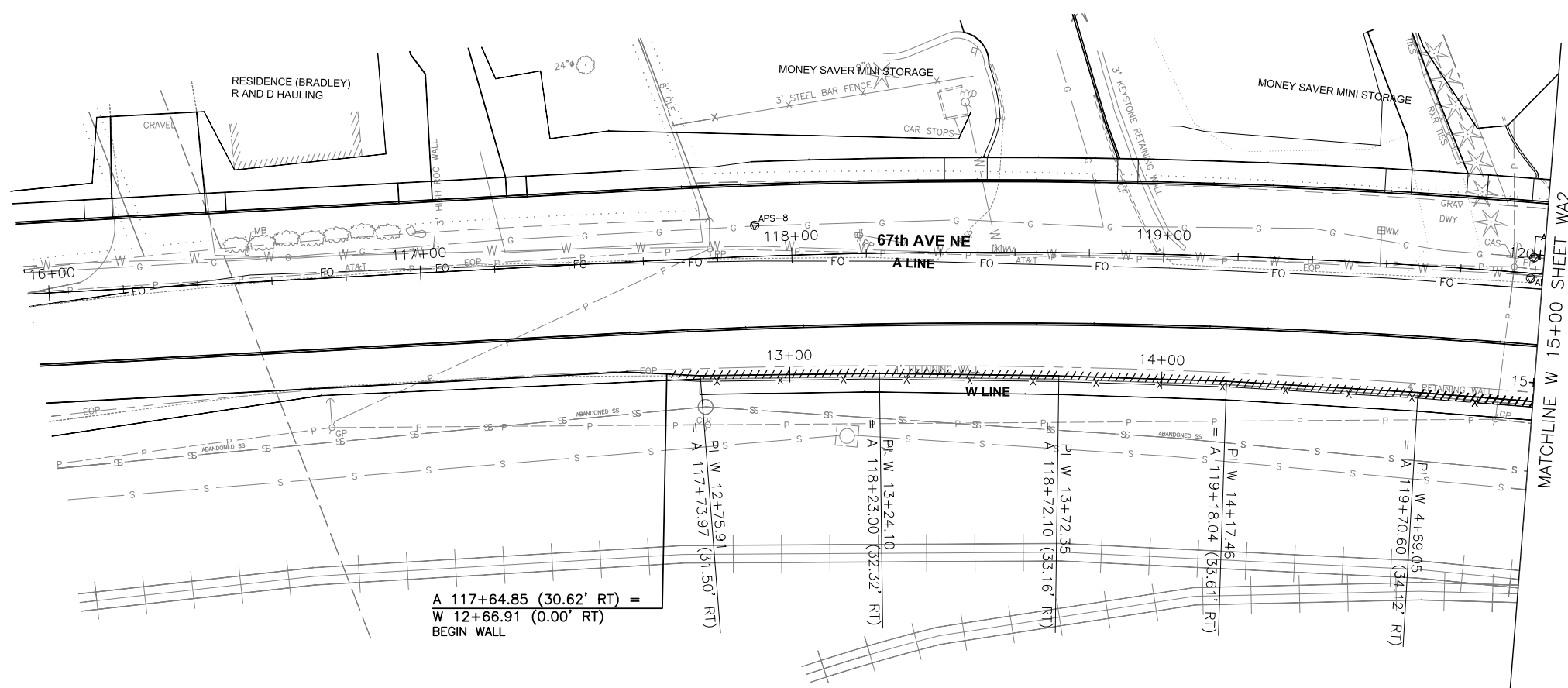
CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

UTILITY DETAILS
UD2
(2 OF 2)

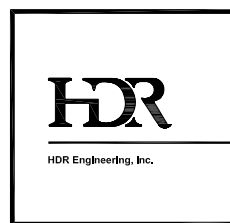
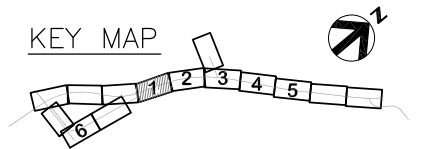
0 1/2" 1"

FILENAME UD-00C-02.dwg SHEET 095
SCALE N.T.S.

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE WD1 FOR WALL DETAILS AND TYPICAL SECTIONS.



PROFILE REFLECTED DEVELOPED ELEVATION
SCALE: 1:4V, 1:1H

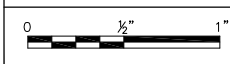


PROJECT MANAGER	
ISSUE	DATE
DESCRIPTION	
PROJECT NUMBER	000000110731



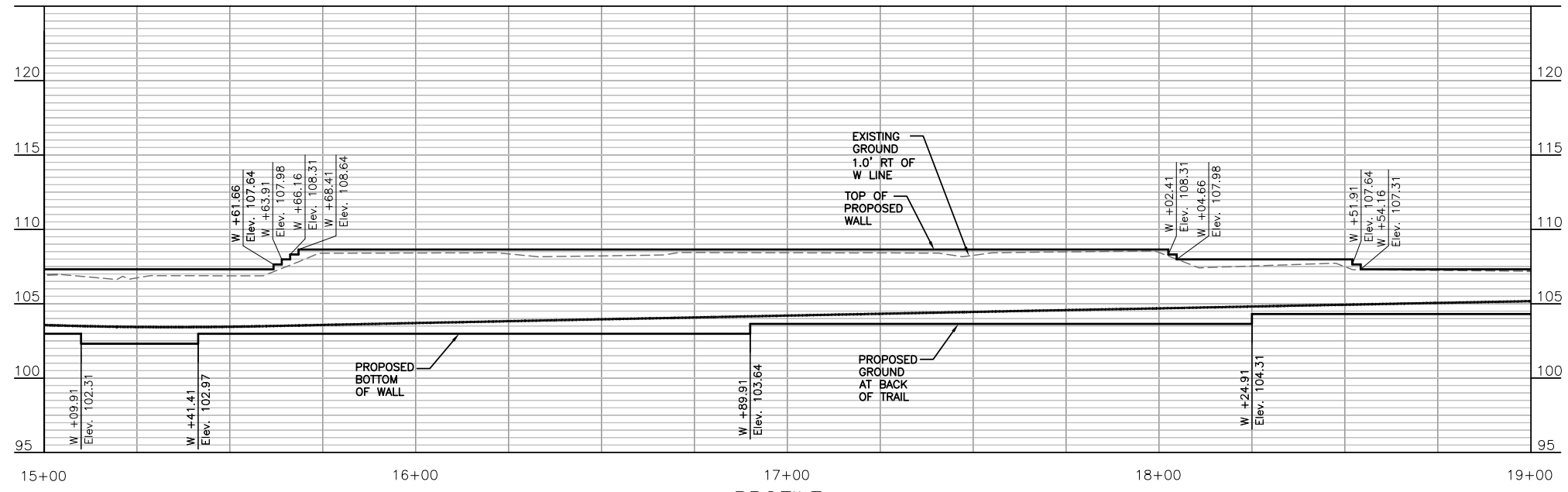
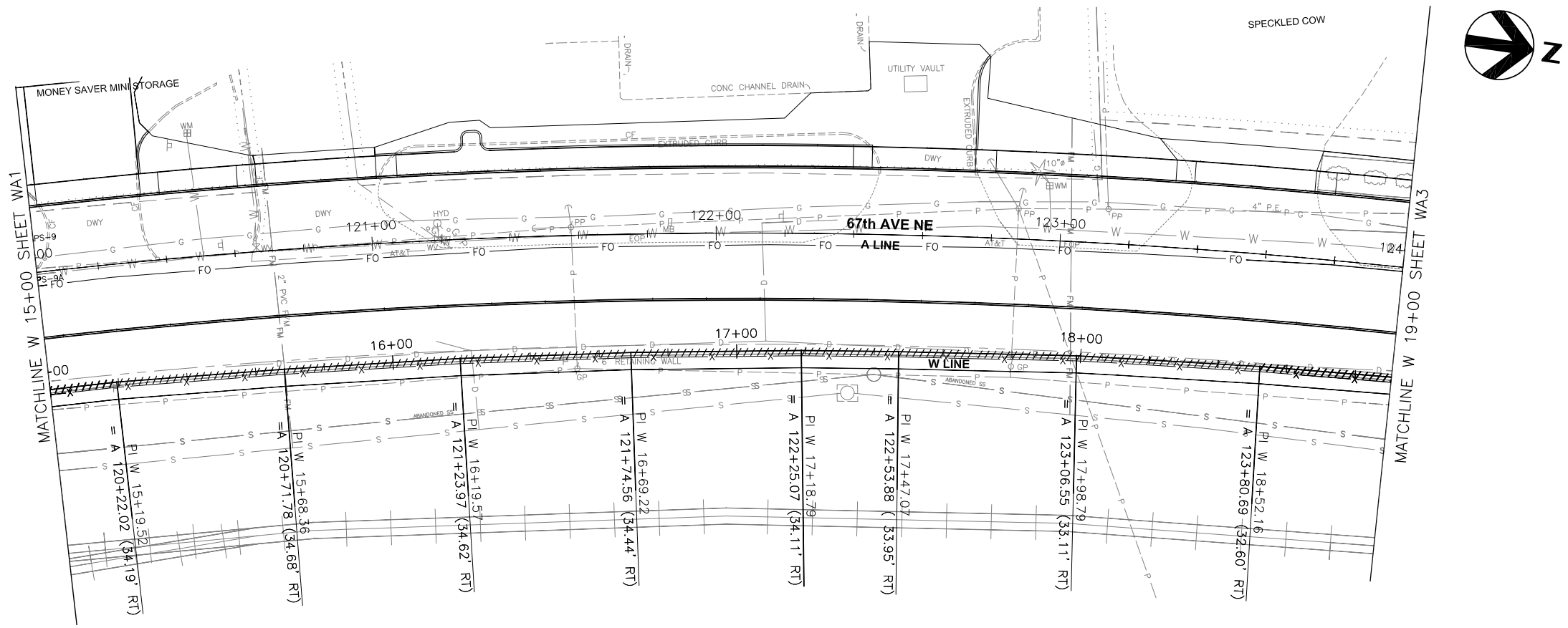
CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

WALL PLAN AND PROFILE
WA1
(1 OF 6)

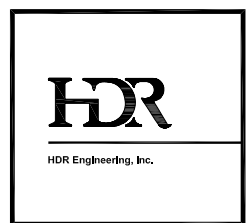
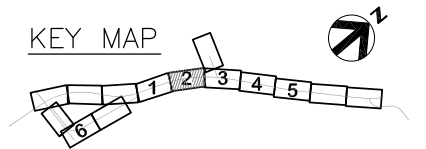


FILENAME	WA-00C-01.dwg	SHEET	096
SCALE	1"=40' (11x17)		

GENERAL NOTES:
 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE WD1 FOR WALL DETAILS AND TYPICAL SECTIONS.



PROFILE REFLECTED DEVELOPED ELEVATION
 SCALE: 1:4V, 1:1H



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER
			0000000110731

PROJECT MANAGER

CITY OF ARLINGTON
 67th AVENUE PHASE III
 RECONSTRUCTION PROJECT

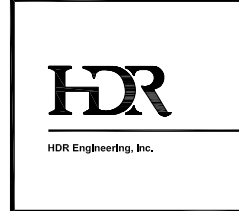
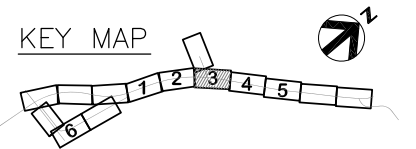
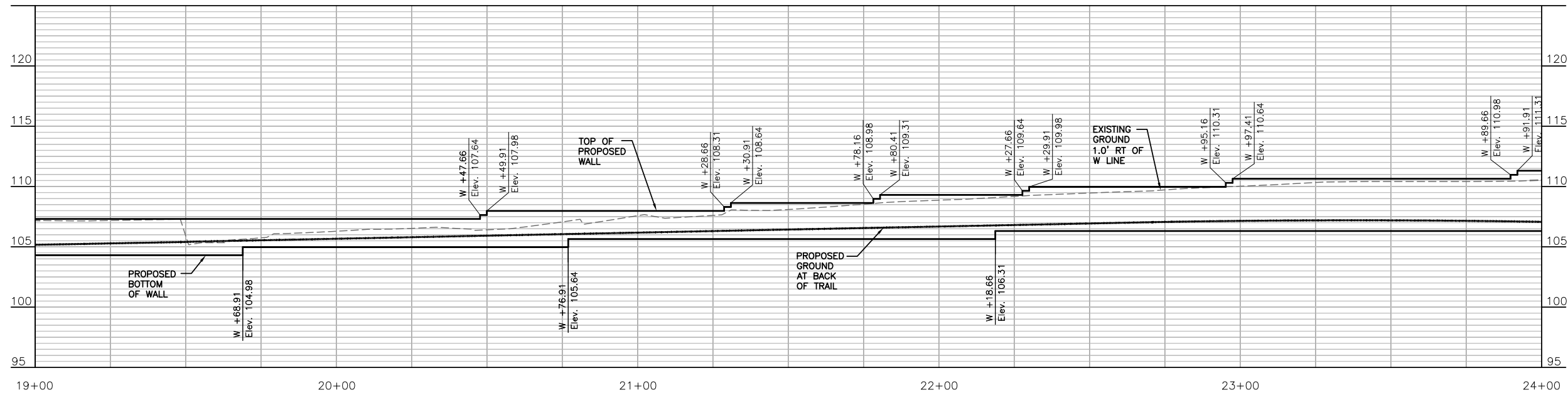
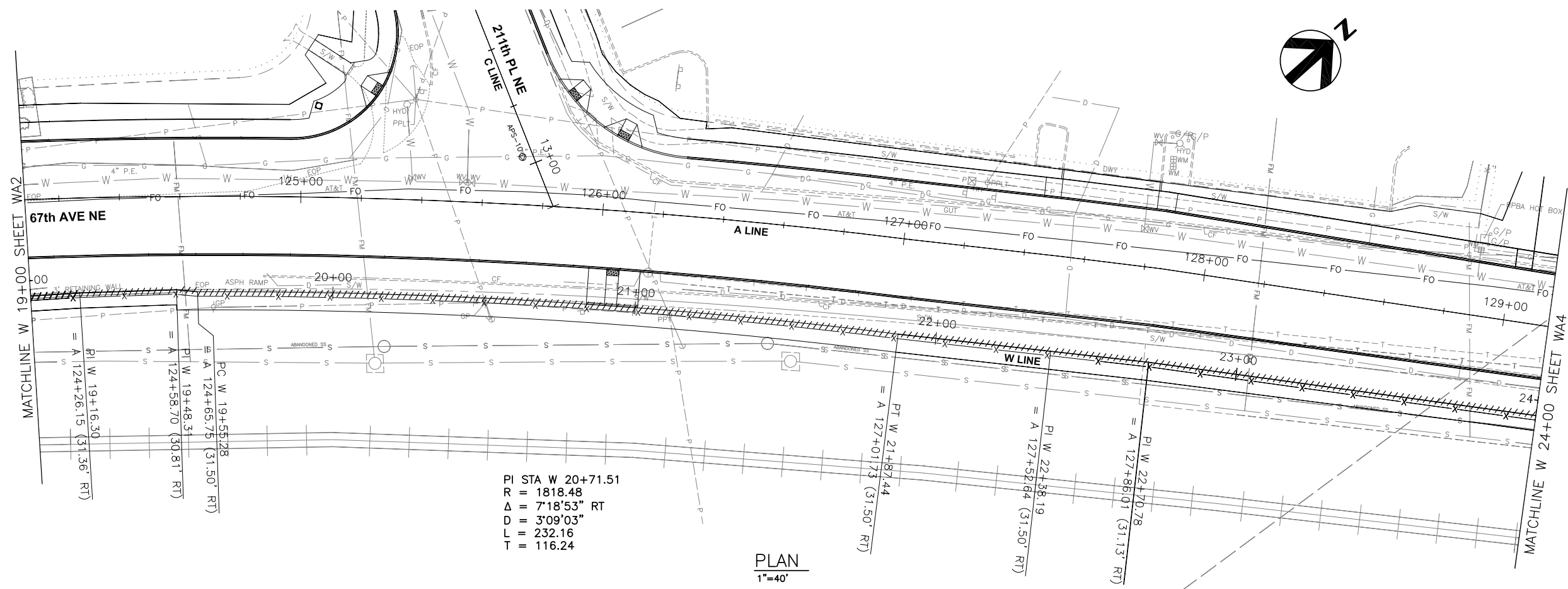
WALL PLAN AND PROFILE
 WA2
 (2 OF 6)

0 1/2" 1"

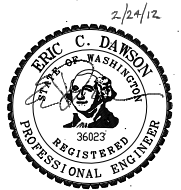
FILENAME: WA-00C-02.dwg
 SCALE: 1"=40' (11x17)

SHEET
097

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. SEE WD1 FOR WALL DETAILS AND TYPICAL SECTIONS.

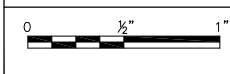


ISSUE	DATE	DESCRIPTION	PROJECT NUMBER
			0000000110731



CITY OF ARLINGTON
67th AVENUE PHASE III
RECONSTRUCTION PROJECT

WALL PLAN AND PROFILE
WA3
(3 OF 6)



FILENAME	WA-00C-03.dwg	SHEET	098
SCALE	1"=40' (11x17)		