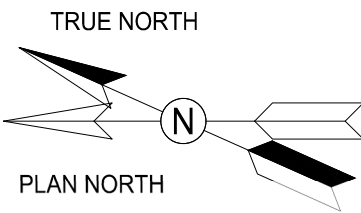



- LEGEND:
- DIRECTION OF TRAFFIC FLOW (EXISTING)
 - PROPOSED DETOUR PATH
 - APPROXIMATE WORK ZONE AREA
 - TEMPORARY SIGN
 - PHASE 1A DETOUR SIGN

- 1 DESALES ST CUSTOM 40"x9"
- 2 DETOUR AHEAD W2-20 MOD 36"x36"
- 3 DETOUR M4-9L 30"x24"
- 4 DETOUR M4-9 MOD 30"x24"
- 5 DETOUR M4-9R 30"x24"
- 6 R3-2 24"x24"
- 7 END DETOUR M4-8A 24"x18"




1 DETOUR PLAN
CWPA01-TM-121

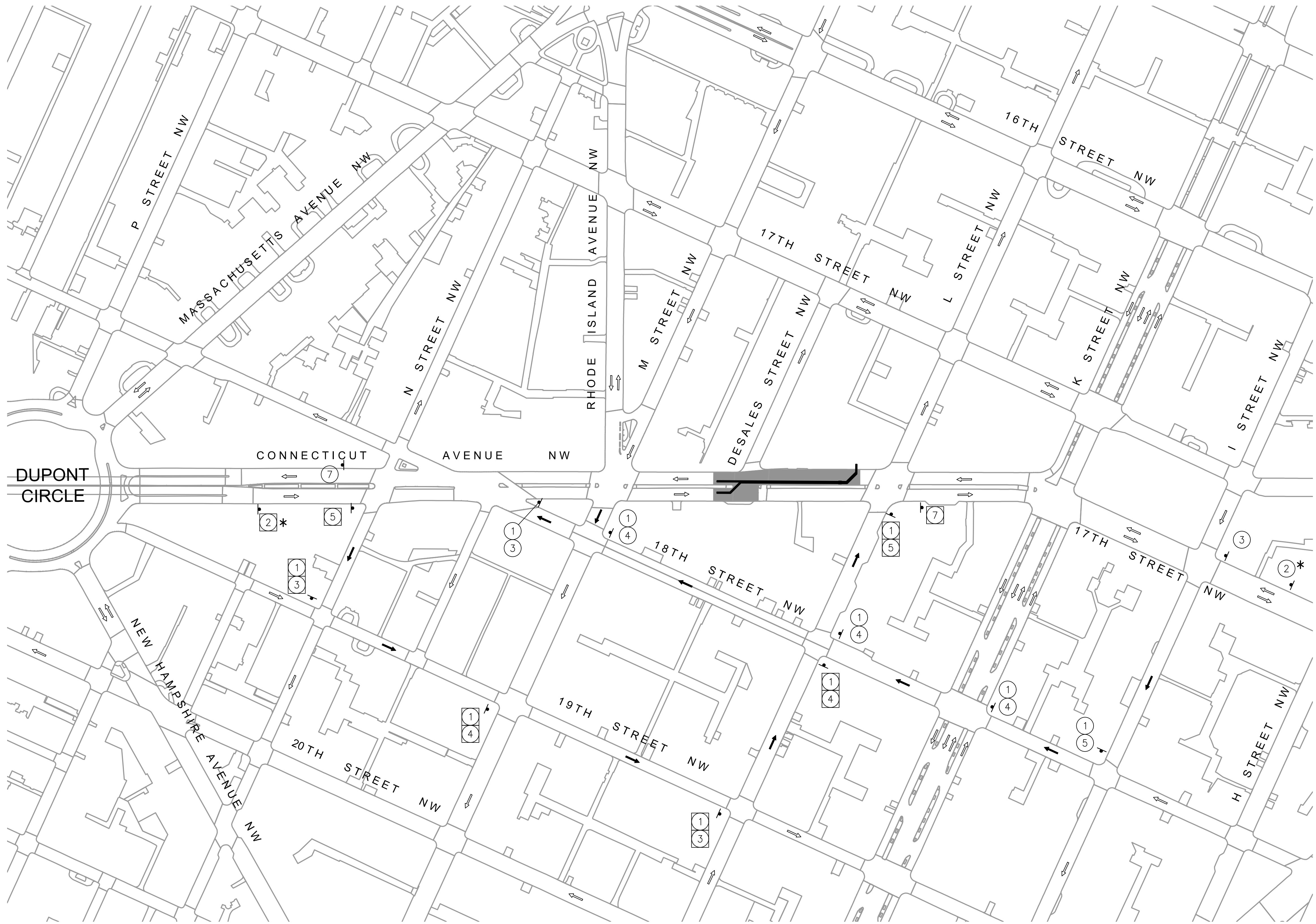
NO SCALE



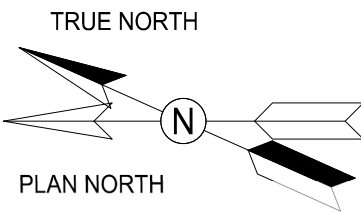
A Gannett Fleming/Parsons
JOINT VENTURE



			REFERENCE DRAWINGS			REVISIONS			<div><div><div>M</div><div>metro</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES</div><div>OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM</div><div><div><div>Mark H. Magnuson</div><div>08/15/2017</div></div><div>DATE</div><div><div>4.06</div><div>08/15/2017</div></div><div>DATE</div></div></div>			REPLACEMENT OF FARRAGUT NORTH & DUPONT CIRCLE CONDENSER PIPING DETOUR PLAN PHASE 1A				
DESIGNED	K. FLYNN	05/22/17 DATE	NUMBER	TITLE	DATE	NUM	DESCRIPTION	M NO.				CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.	
DRAWN	K. FLYNN	06/08/17 DATE			08/15/17	0	FINAL SUBMITTAL	M1298	FQ-18004	AS NOTED	CWPA01-TM-121	30 of 53				
CHECKED	P. PATEL	08/08/17 DATE														



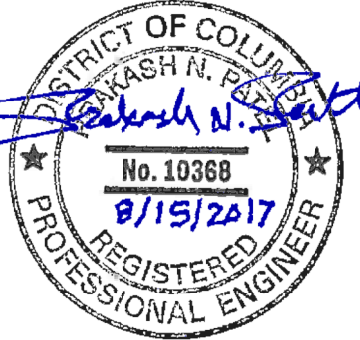
- LEGEND:**
- ⇒ DIRECTION OF TRAFFIC FLOW (EXISTING)
 - PROPOSED ALTERNATE ROUTE PATH
 - PROJECT AREA (THROUGH TRAFFIC ALLOWED AT ALL TIMES)
 - ▲ TEMPORARY SIGN
 - (X) MOT SIGN FOR PHASE 1A ONLY
 - (X) MOT SIGN FOR PHASE 1A & PHASE 1B
 - (1) **CONN. AVE NW** CUSTOM 48"x9"
 - (2) **CONN. AVE NW UTILITY WORK AHEAD USE ALT. ROUTE** CUSTOM 54"x30"
 - (3) **ALTERNATE** M4-9L MOD 30"x24"
 - (4) **ALTERNATE** M4-9 MOD 30"x24"
 - (5) **ALTERNATE** M4-9R MOD 30"x24"
 - (6) NOT USED
 - (7) **END DETOUR** M4-8A 24"x18"
 - * INSTALL VMS SIGN MIN. TWO WEEKS IN ADVANCE OF CONSTRUCTION. EXACT LOCATION TBD BY CONTRACTOR



1 ALTERNATE ROUTE PLAN
CWPA01-TM-122

NO SCALE

GFP A Gannett Fleming/Parsons JOINT VENTURE



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

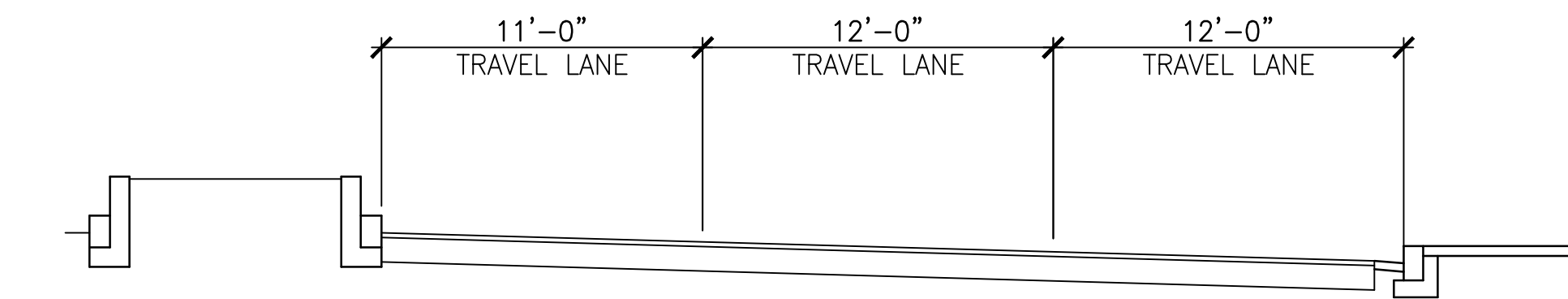
Mark H. Magnuson 08/15/2017 *ACK* 08/15/2017
DATE DATE

REPLACEMENT OF
FARRAGUT NORTH & DUPONT CIRCLE CONDENSER PIPING
ALTERNATE ROUTE PLAN

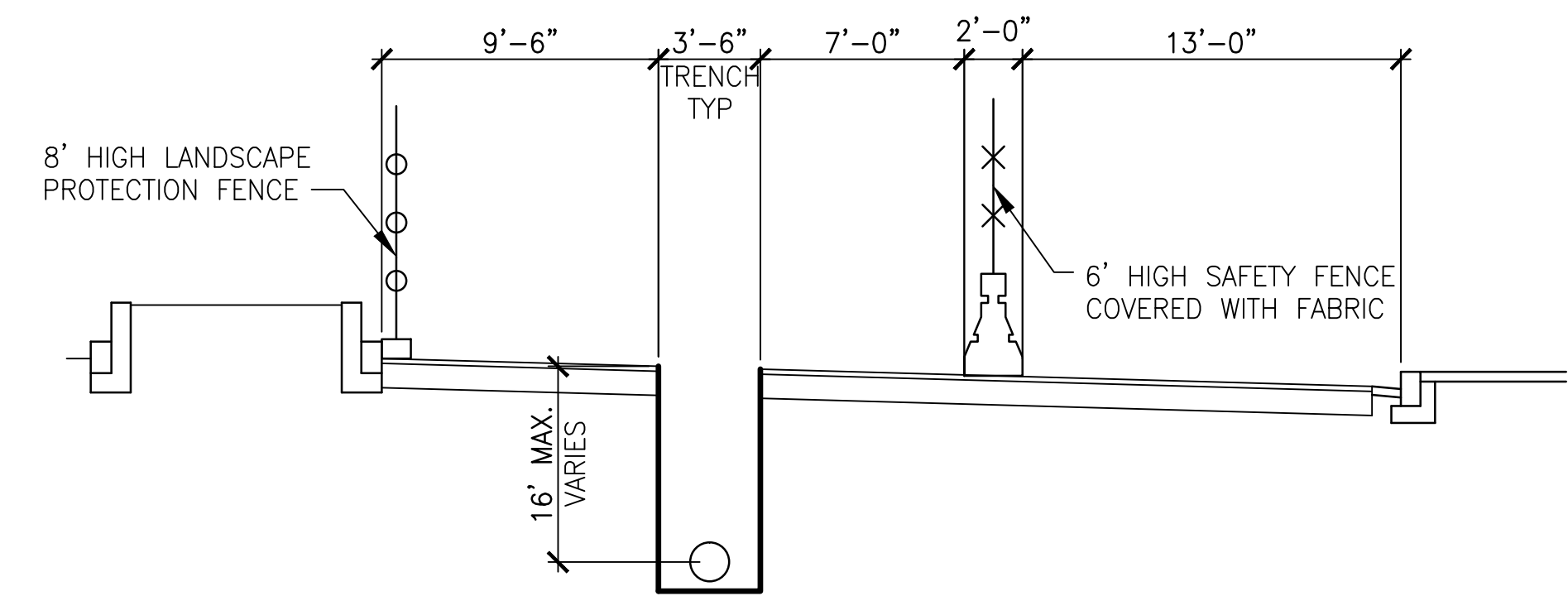
	REFERENCE DRAWINGS			REVISIONS	
	NUMBER	TITLE	DATE	NUM	DESCRIPTION
DESIGNED	K. FLYNN	05/22/17	DATE	0	FINAL SUBMITTAL
DRAWN	K. FLYNN	06/08/17	DATE		
CHECKED	P. PATEL	08/08/17	DATE		

M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
M1298	FQ-18004	AS NOTED	CWPA01-TM-122	31 of 53

- NOTES:
1. FOR ADDITIONAL COMMUNICATION AND POWER CONDUIT LOCATIONS, SEE CONDENSER PIPING PLANS.
 2. INSTALL 6' HIGH CHAIN LINK SAFETY FENCE WITH FABRIC ON TOP OF TEMPORARY BARRIER. ENSURE PEDESTRIAN VISIBILITY AT CROSSWALKS.
 3. FOR DRAWING CLARITY, EXISTING UNDERGROUND UTILITIES AND WMATA TUNNEL ARE NOT SHOWN.



1
EXISTING TYPICAL SECTION
SB CONNECTICUT AVE, NORTH OF DESALES ST
CWPA01-TM-301



2
PHASE 1A TYPICAL SECTION
SB CONNECTICUT AVE, NORTH OF DESALES ST
CWPA01-TM-301

GFP A Gannett Fleming/Parsons
JOINT VENTURE



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

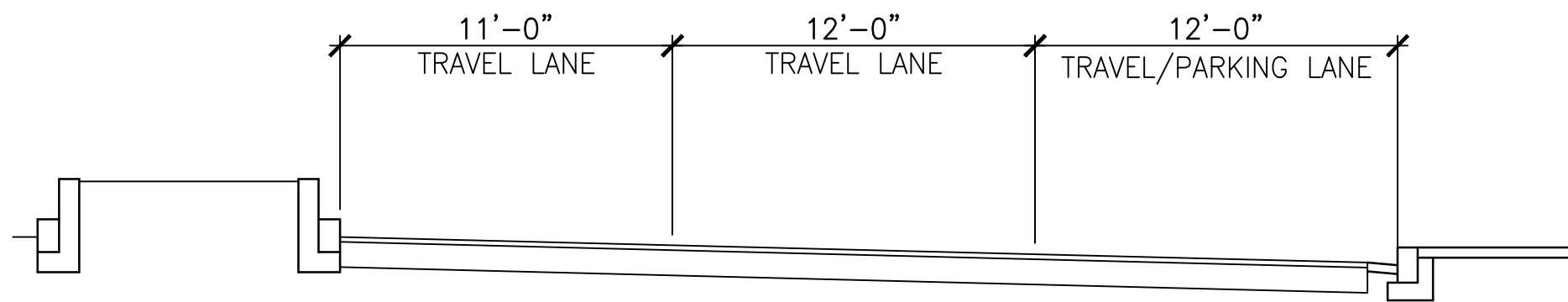
Mark H. Magnuson 08/28/17
DATE

J. Ch 08/28/17
DATE

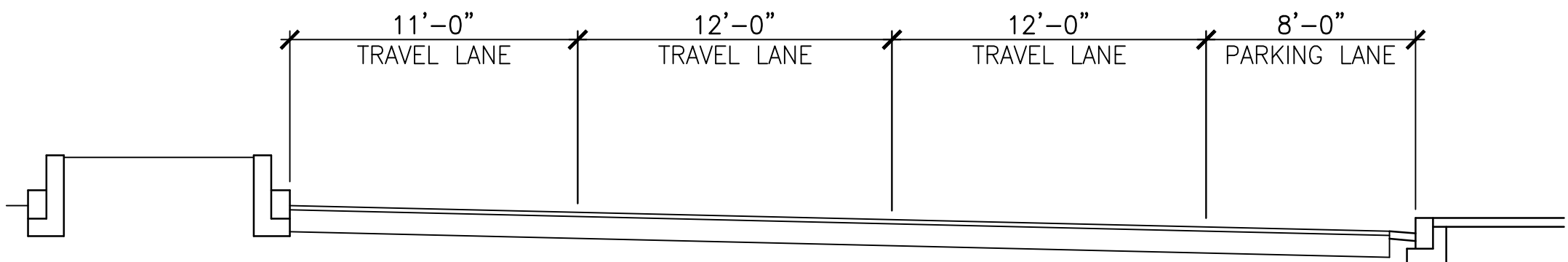
REPLACEMENT OF
FARRAGUT NORTH & DUPONT CIRCLE CONDENSER PIPING
MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
M1298	FQ-18004	NONE	CWPA01-TM-301	32 of 53

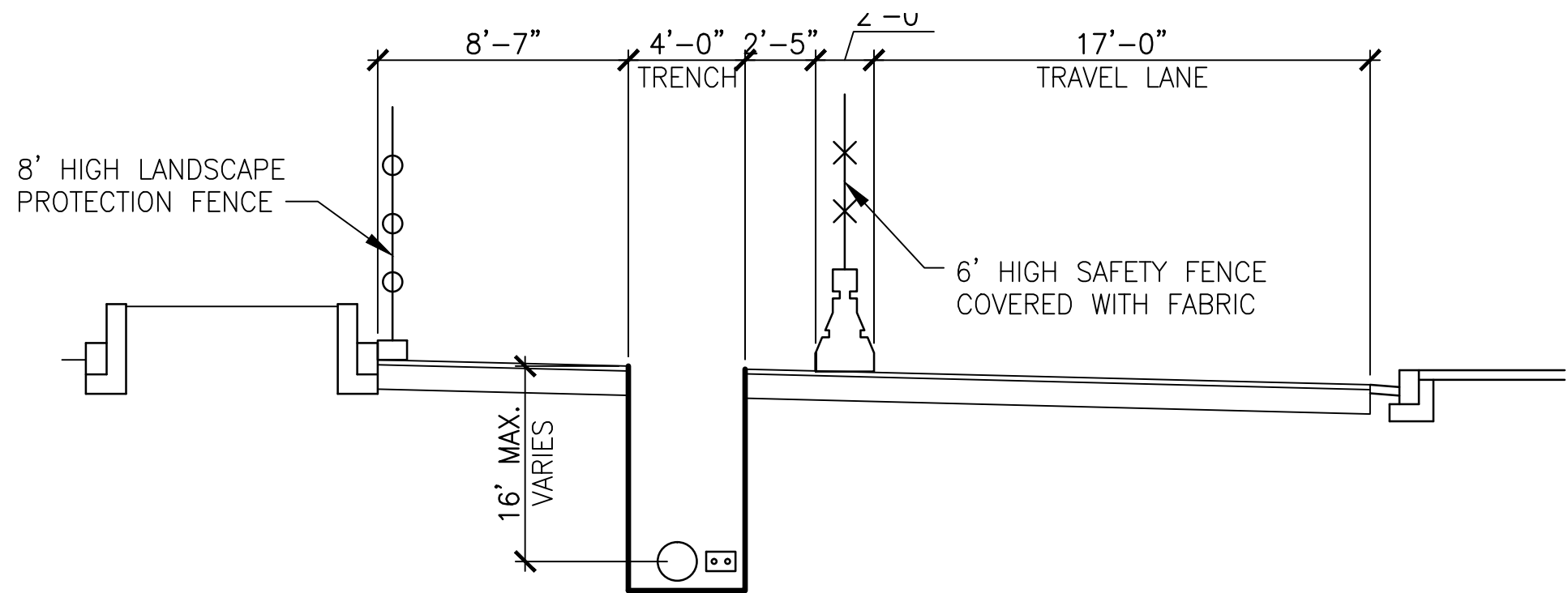
- NOTES:
1. FOR ADDITIONAL COMMUNICATION AND POWER CONDUIT LOCATIONS, SEE CONDENSER PIPING PLANS.
 2. INSTALL 6' HIGH CHAIN LINK SAFETY FENCE WITH FABRIC ON TOP OF TEMPORARY BARRIER. ENSURE PEDESTRIAN VISIBILITY AT CROSSWALKS.
 3. FOR DRAWING CLARITY, EXISTING UNDERGROUND UTILITIES AND WMATA TUNNEL ARE NOT SHOWN.



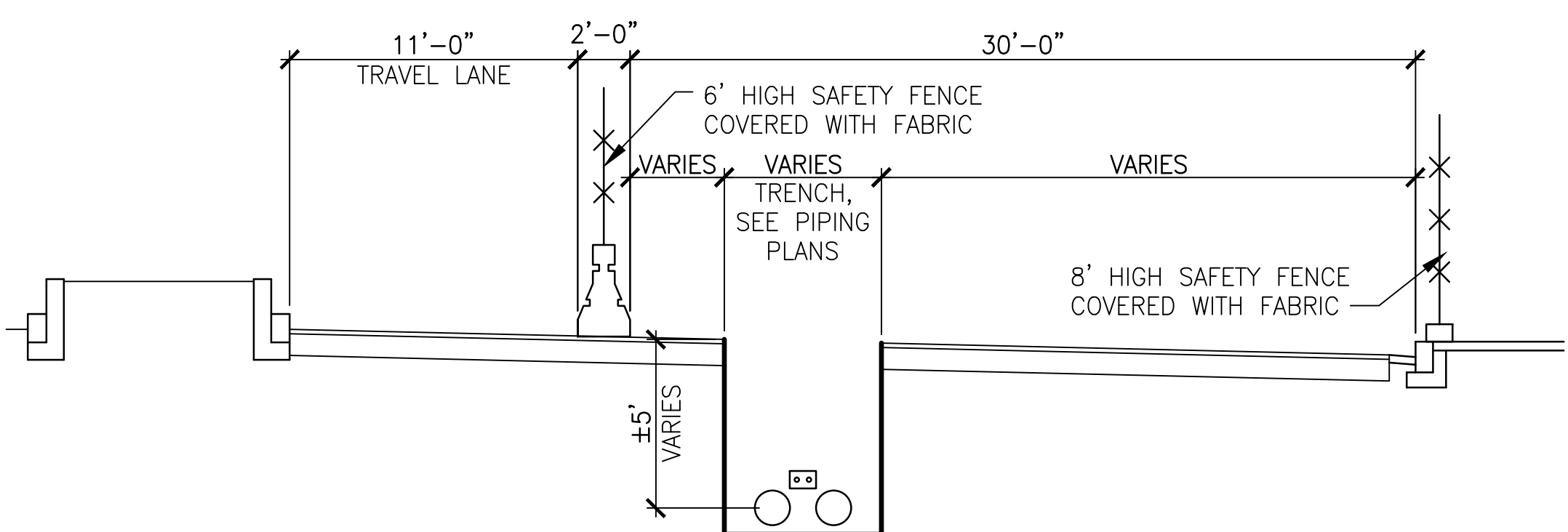
4 EXISTING TYPICAL SECTION
NB CONNECTICUT AVE, NORTH OF DESALES ST
CWPA01-TM-302



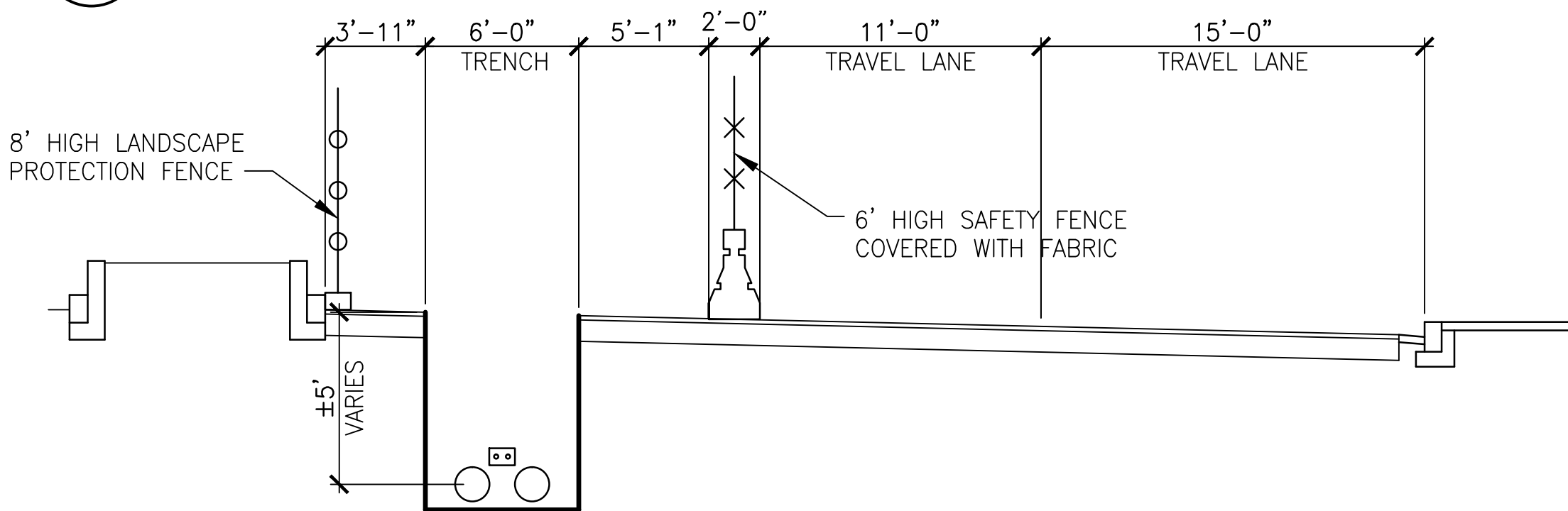
1 EXISTING TYPICAL SECTION
NB CONNECTICUT AVE, SOUTH OF DESALES ST
CWPA01-TM-302



5 PHASE 1A TYPICAL SECTION
NB CONNECTICUT AVE, NORTH OF DESALES ST
CWPA01-TM-302

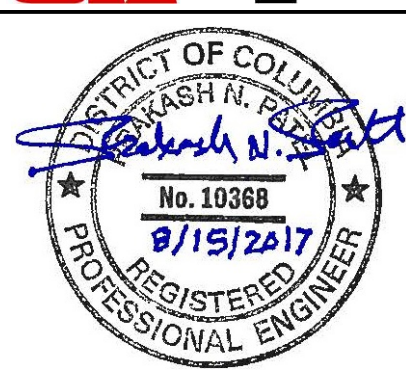


2 PHASE 1A TYPICAL SECTION
NB CONNECTICUT AVE, SOUTH OF DESALES ST
CWPA01-TM-302



3 PHASE 1B TYPICAL SECTION
NB CONNECTICUT AVE, SOUTH OF DESALES ST
CWPA01-TM-302

GFP A Gannett Fleming/Parsons
JOINT VENTURE



<div>DESIGNEDK. FLYNN05/15/17 DATE</div> <div>DRAWNK. FLYNN05/22/17 DATE</div> <div>CHECKEDP. PATEL08/08/17 DATE</div>	REFERENCE DRAWINGS		REVISIONS			<div><div>M</div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div> <div>DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM</div> <div><div>Mark H. Magnuson</div>08/28/17 DATE</div> <div><div>J. Ch</div>08/28/17 DATE</div>	REPLACEMENT OF FARRAGUT NORTH & DUPONT CIRCLE CONDENSER PIPING MAINTENANCE OF TRAFFIC TYPICAL SECTIONS			
	NUMBER	TITLE	DATE	NUM	DESCRIPTION					
			08/15/17	0	FINAL SUBMITTAL					
						M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
						M1298	FQ-18004	NONE	CWPA01-TM-302	33 of 53

1. ALL DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS, UNO.
2. NO CHANGE IN SIZE, DIMENSION OR POSITION OF STRUCTURAL ELEMENTS SHALL BE MADE WITHOUT THE APPROVAL OF WMATA.
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING CONSTRUCTION AND/OR SUBMITTING SHOP DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE WMATA. ALL EXISTING INFORMATION IS BASED ON SITE VISITS AND EXISTING DRAWINGS BY KCE STRUCTURAL ENGINEERS P.C. DATED AUGUST 13, 1976.
4. REFER TO ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS, INSERTS, DEPRESSIONS, EQUIPMENT PADS, DRIPS, REVEALS, FINISHES, AND OTHER SUCH PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.
5. SUBMIT DIMENSIONED COORDINATED SHOP DRAWINGS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES THROUGH STRUCTURAL ELEMENTS. ANY ADDITIONAL OPENINGS NOT SHOWN ON SHOP DRAWINGS WILL REQUIRE WRITTEN APPROVAL OF WMATA.
6. TAKE ALL MEASURES NECESSARY TO PROTECT EXISTING AND NEW UTILITIES AND BUILDINGS AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE DURING CONSTRUCTION. RESTORATION OF DAMAGED AREAS SHALL BE TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
7. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, WATERPROOFING, LOCATIONS OF NON-LOAD BEARING PARTITIONS, EXTERIOR FACE OF BUILDING, ETC.
8. DO NOT REPRODUCE ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.
9. WORK SHALL BE COORDINATED WITH THE VARIOUS TRADES TO AVOID CONFLICT INTERFERENCE WITH STRUCTURAL MEMBERS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE AUTHORITY'S REPRESENTATIVE (A.R.) AND THE ENGINEER OF RECORD (E.O.R.) FOR APPLICABILITY BY SUBMITTING SHOP DRAWING FOR REVIEW.
10. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE, INCLUDING SAFETY OF PERSONS AND PROPERTY. THE AUTHORITY'S REPRESENTATIVE OR ENGINEER'S PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION.
11. SHORING, BRACING AND PROTECTION OF EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PROTECT AND MAINTAIN THE INTEGRITY OF ADJACENT STRUCTURAL MEMBERS WHILE PERFORMING WORK. ANY ALTERATION OTHER THAN SHOWN IN THE CONTRACT DRAWING SHALL BE CORRECTED AT ONCE, WITH NO EXPENSE TO THE OWNER.

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS REFERENCED WITHIN, APPLY TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT:

- a. ICC, INTERNATIONAL BUILDING CODE – 2012
- b. ASCE 7-10, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- c. ACI 318-11, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- d. AISC, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, JUNE 22, 2010
- e. AISC, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, APRIL 14, 2010

1. SNOW LOADS	
a. GROUND SNOW LOAD, Pg	25 PSF
b. IMPORTANCE FACTOR, Is	1.0
c. EXPOSURE FACTOR, Ce	0.9
d. THERMAL FACTOR, Ct	1.2
e. FLAT ROOF SNOW LOAD, Pf	19 PSF
f. MINIMUM DESIGN LOAD	30 PSF
2. SUPERIMPOSED DEAD AND LIVE LOADS AS NOTED ON EXISTING DRAWINGS:	

LOAD TABLE	DEAD LOAD (PSF)	LIVE LOAD (PSF)
ROOF	—	30
FLOORS	—	80 + 20(PARTITIONS)
FIRST FLOOR & CELLAR	—	100
MECHANICAL ROOM	—	150
SIDEWALK	—	250

- | | | |
|----|---|-------------|
| 3. | WIND | |
| a. | WIND SPEED | 115 MPH |
| b. | BUILDING RISK CATEGORY | II |
| c. | EXPOSURE | B |
| d. | DIRECTIONALITY FACTOR, K _d | 0.85 |
| e. | TOPOGRAPHIC FACTOR, K _{zt} | 1.0 |
| 4. | SEISMIC | |
| a. | BUILDING RISK CATEGORY | II |
| b. | IMPORTANCE FACTOR, I _e | 1.0 |
| c. | SITE CLASS | D (ASSUMED) |
| d. | MAPPED SPECTRAL ACCELERATION | |
| | SHORT PERIOD, S _s | 0.119 g |
| | 1-SECOND PERIOD, S ₁ | 0.051 g |
| e. | LONG-PERIOD TRANSITION PERIOD, T _L | 8 sec |
| f. | SEISMIC DESIGN CATEGORY | B |

CONCRETE MATERIAL SCHEDULE								
ELEMENT	F'c (psi)	MAXIMUM WATER/ CEMENTITIOUS RATIO	DRY UNIT WEIGHT (lb/ft³)	MAX AGGREGATE SIZE (in)	AGGREGATE CLASS DESIGNATION (ASTM C33)	EXPOSURE CATEGORY/ CLASS	SLUMP* ±1 (in)	MAXIMUM CHLORIDE CONTENT (%)
BEAMS & WALLS	4000	0.50	145	3/4	M	F0	4/8	0.15

* VALUES SHOWN ARE MAX SLUMP OF THE CONCRETE AS PLACED WITHOUT SUPERPLASTICIZERS OVER MAX SLUMP IF SUPERPLASTICIZERS ARE USED.

1. PROTECT-IN-PLACE ITEMS WHICH ARE NOT PART OF PROJECT AND ITEMS TO REMAIN.
2. CONTRACTOR SHALL PERFORM ALL WORK IN SUCH A MANNER AS TO PROTECT EXISTING AND ADJACENT STRUCTURES. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION. ANY DAMAGE THAT OCCURS TO STRUCTURES OR UTILITIES AS A RESULT ON CONTRACTOR WORK, OR ANY WORK PERFORMED BY CONTRACTED SUB-CONTRACTORS, SHALL BE RESPONSIBLY AND PROPERLY REPAIRED TO PREVIOUS CONDITION BY THE CONTRACTOR TO THE SATISFACTION OF WMATA, AT NO ADDITIONAL COST TO THE AUTHORITY.
3. CEASE OPERATIONS AND NOTIFY WMATA IMMEDIATELY IF SAFETY OR INTEGRITY OF STRUCTURE APPEARS TO BE ENDANGERED. PROPERLY BRACE AND SUPPORT STRUCTURE BEFORE RESUMING OPERATIONS.
4. NOTIFY OWNER IMMEDIATELY IF ANY PORTION OF EXISTING STRUCTURE WHICH IS NOT TO BE DEMOLISHED IS DAMAGED. CONTRACTOR SHALL PAY FOR ALL REPAIR COSTS, INCLUDING DESIGN AND INSPECTION EXPENSES.
5. DO NOT CUT OR ALTER ANY STRUCTURAL MEMBERS WITHOUT WRITTEN AUTHORIZATION OF WMATA UNLESS INDICATED SPECIFICALLY ON THE STRUCTURAL DRAWINGS. APPLY PROPER SHORING TO ANY PRIMARY OR SECONDARY MEMBERS PRIOR TO CUTTING, FOR VERTICAL AND LATERAL SUPPORT.
6. ALL EXISTING DIMENSIONS (DISTANCES, ELEVATIONS AND MEMBER SIZES) SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY MEASUREMENT IN THE FIELD, AS REQUIRED.
7. CUTTING OF EXISTING SLABS, BEAM AND WALLS SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. CONTRACTOR TO DRILL CORNERS AND SAW CUT STRAIGHT LINES. ALL CUTTING AND DEMOLITION OF CONCRETE SHALL BE AS PER DETAILS SHOWN ON CONTRACT DRAWINGS. DEMOLITION SHALL BE PERFORMED CAREFULLY AND IN A MANNER THAT WILL NOT DAMAGE EXISTING REINFORCEMENT.

1. PROVIDE CAST-IN-PLACE CONCRETE FOR EACH CLASS OF CONCRETE SHOWN IN THE CONCRETE MATERIAL SCHEDULE AND AS REQUIRED BY CONSTRUCTION METHODS & SCHEDULES.
2. REINFORCING SHALL BE AS FOLLOWS:

WELDED WIRE REINFORCEMENT	ASTM A185, SUPPLIED IN FLAT SHEETS.
DEFORMED REINFORCING BARS	ASTM A615, GRADE 60 UNO.
3. CONCRETE COVER OVER REINFORCING SHALL BE AS FOLLOWS, UNO:

CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH OR WEATHER - 3"	
CONCRETE EXPOSED TO EARTH OR WEATHER:	#5 & SMALLER - 1 1/2"
	#6 & LARGER - 2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	SLABS & WALLS - 3/4"
	BEAMS & COLUMNS - 1 1/2"
4. SPLICE REINFORCING BARS PER ACI 318 WITH CLASS B TENSION LAP SPLICES, UNO. LAP LENGTHS ARE INDICATED IN THE REINFORCING BAR DEVELOPMENT LENGTH TABLE NOTES.
5. WWR SHALL BE LAP SPliced PER ACI 318 AND TIED SECURELY.
6. DOWELS SHALL MATCH AND BE CLASS B TENSION LAP SPliced WITH THE MAIN REINFORCEMENT, UNO.
7. FIELD BENDING OF REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE IS NOT PERMITTED UNLESS INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY WMATA. REBAR SHALL NOT BE HEATED WITH A TORCH IN THE FIELD.
8. DO NOT WELD REINFORCING UNLESS INDICATED OR APPROVED IN WRITING BY WMATA.
9. ALL CONSTRUCTION JOINTS SHALL BE WIRE BRUSHED, CLEANED, AND COATED WITH A BONDING AGENT OR MOISTENED WITH A CEMENT SLURRY SCRUBBED INTO THE JOINT IMMEDIATELY PRIOR TO PLACING NEW CONCRETE.
10. PROVIDE A WATERSTOP IN ALL WALL AND SLAB CONSTRUCTION JOINTS EXPOSED TO EARTH OR WEATHER OR COVERED WITH A WATERPROOF MEMBRANE AND WHERE INDICATED.

REINFORCING BAR DEVELOPMENT LENGTH												
BAR SIZE	3500 PSI				4000 PSI				5000 PSI			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	20	30	15	23	19	28	14	21	17	25	13	19
#4	26	40	20	30	25	37	19	28	22	33	17	25
#5	33	49	25	38	31	46	24	36	28	41	21	32
#6	40	59	30	46	37	56	28	43	33	50	25	38

1. TOP BARS AS DEFINED BY ACI 318-11
2. CASE 1: CLEAR SPACING OF BARS DEVELOPED OR SPLICED NOT LESS THAN db, CLEAR COVER NOT LESS THAN db, AND STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db.
CASE 2: BARS DEVELOPED OR SPLICED WITH CLEAR COVER AND/OR SPACING NOT MEETING THE REQUIREMENTS OF CASE 1.
3. SPLICE LENGTHS:
 - A. CLASS A TENSION SPLICE = 1.0 Ld, 12 in MIN
 - B. CLASS B TENSION SPLICE = 1.3 Ld, 12 in MIN
 - C. COMPRESSION SPLICE = 30db, 12 in MIN
4. DEVELOPMENT AND SPLICE LENGTH OF EPOXY COATED BARS SHALL BE 1.5 TIMES THE LENGTHS REQUIRED FOR NON-EPOXY COATED REINFORCEMENT.

[illegible]

STRUCTURAL STEEL:

1. SUBMITTALS:

1. DRAWINGS:

– ERECTION PLANS SHOWING TYPE, SIZE, WEIGHT AND IDENTIFICATION MARKS OF MEMBERS, DIMENSIONS LOCATING MEMBERS RELATIVE TO COLUMN GRID LINES, ELEVATIONS OF MEMBERS, AND CLEAR CROSS REFERENCE WITH OTHER RELATED DRAWINGS. ERECTION PLANS SHALL INCLUDE NECESSARY INFORMATION AND INSTRUCTIONS REGARDING FIELD WELDS AND FIELD BOLTS INCLUDING TYPE, SIZE AND EXTENT OF FIELD WELDS, TYPES OF ELECTRODES, WELDING PROCEDURES, WELDING SEQUENCE, SIZE AND TYPE OF FIELD BOLTS.

– DETAIL DRAWINGS SHOWING COMPLETE DETAILS OF MEMBERS AND COMPONENTS INCLUDING IDENTIFICATION MARKS, DIMENSIONS, SIZE, TYPE, WEIGHT, GRADE OF STEEL, REQUIREMENTS FOR INSTALLATION OF OTHER MATERIALS OR PARTS OF CONSTRUCTION, SUCH AS PUNCH OR DRILLED HOLES, CLEATS, OPENINGS, TYPE, SIZE AND EXTENT OF SHOP AND FIELD WELDS, TYPE OF ELECTRODES, JOINT WELDING PROCEDURES, AND SIZE AND TYPE OF SHOP AND FIELD BOLTS. USE WELDING SYMBOLS ADOPTED BY AMERICAN WELDING SOCIETY.

2. FABRICATOR AND ERECTOR SHALL BE CURRENTLY CERTIFIED IN THE AISC QUALITY CERTIFICATION PROGRAM, CATEGORY STD.

3. WELDING PROCEDURES AND QUALIFICATIONS OF OPERATORS SHALL BE AS PRESCRIBED IN AMERICAN WELDING SOCIETY (AWS) D1.1., "STRUCTURAL WELDING CODE, STEEL". WELDERS SHALL BE QUALIFIED TO PERFORM TYPE OF WORK REQUIRED.

4. STRUCTURAL STEEL WORK SHALL COMPLY WITH THE AISC "CODE OF STANDARD PRACTICE" AND AISC "SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS".

5. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS, UNO:

a. W SHAPES – ASTM A992.

b. CHANNELS, ANGLES, AND PLATES – ASTM A36.

c. HOLLOW STRUCTURAL SECTIONS – ASTM A500, GRADE B.

6. BOLTS, NUTS, AND WASHERS:

a. BOLTS AND NUTS SHALL BE PRODUCED BY A DOMESTIC MANUFACTURER.

b. BOLTS SHALL CONFORM TO REQUIREMENTS OF ASTM A325.

c. NUTS SHALL CONFORM TO ASTM A563, GRADE TO MATCH BOLT SPECIFIED.

d. WASHERS SHALL CONFORM TO ASTM F436. WASHERS SHALL BE PROVIDED BY SAME MANUFACTURER AS BOLTS.

7. ANCHOR RODS SHALL COMPLY WITH ASTM F1554, GRADE 36, GALVANIZED.

8. WELDING EQUIPMENT AND MATERIALS SHALL CONFORM TO REQUIREMENTS OF THE AWS D1.1 WITH THE EXCEPTION THAT E70XX ELECTRODES SHALL BE USED FOR ASTM A 36/A 36M STEEL.

9. EXTERIOR EXPOSED STEEL SHALL BE HOT–DIP GALVANIZED IN ACCORDANCE WITH ASTM A123, AND AS NOTED.

10. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DESIGN, STRENGTH, SAFETY AND ADEQUACY OF TEMPORARY BRACING AND METHODS OF CONSTRUCTION.

11. FABRICATION:

a. DRILL OR PUNCH BOLT HOLES. DRILL HOLES IN MATERIAL THICKER THAN 7/8 INCH AND MATERIAL THICKER THAN BOLT DIAMETER.

b. CONTACT SURFACES AT HIGH–STRENGTH BOLT GROUPS SHALL BE CLEANED AND FREE OF BURRS.

c. HOT–DIP GALVANIZE ALL STEEL.

12. ERECTION TOLERANCES SHALL BE AS SPECIFIED IN AISC "CODE OF STANDARD PRACTICE".

13. PROVIDE TEMPORARY BRACING TO RESIST ALL LOADS, INCLUDING CONSTRUCTION LOADS TO WHICH STRUCTURE MAY BE SUBJECTED.

14. TAKE PRECAUTIONS NECESSARY TO AVOID DAMAGE TO EXISTING STRUCTURES.

15. BOLTED CONNECTIONS:

a. PROVIDE A MINIMUM OF 2 HIGH STRENGTH BOLTS IN EACH FACE OF EACH BOLTED CONNECTION.

b. BOLTS SHALL BE MINIMUM OF 3/4 INCH.

c. BOLTED SHEAR CONNECTIONS MAY BE TIGHTENED TO THE SNUG TIGHT CONDITION, UNO.

16. WELDED CONNECTIONS:

a. FILLET WELDS SHALL HAVE A MINIMUM SIZE OF 1/4", UNO.

b. IF PARTS JOINED BY FILLET WELDS ARE SEPARATED BY MORE THAN 1/16 INCH. THE LEG OF THE FILLET WELD SHALL BE INCREASED BY THE AMOUNT OF THE ROOT OPENING. ROOT OPENING SHALL NOT EXCEED 3/16".

17. AFTER ERECTION, TOUCH–UP SHOP FINISH WHERE MISSING OR DAMAGED. IN ACCORDANCE WITH ASTM A780.

18. DO NOT FIELD CUT STRUCTURAL STEEL MEMBERS WITHOUT THE WRITTEN APPROVAL OF WMATA.

19. DO NOT SPLICE STEEL MEMBERS EXCEPT WHERE SPECIFICALLY DETAILED ON THE

DRAWINGS WITHOUT THE WRITTEN APPROVAL OF WMATA.

STRUCTURAL TESTS AND INSPECTIONS:

1. STRUCTURAL TESTS AND INSPECTIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC 2012, CHAPTER 17, AND THE PROJECT SPECIFICATIONS.

POST INSTALLED ANCHORS

1. THE SUITABILITY OF THE POST–INSTALLED ANCHORS FOR USE IN CONCRETE SHALL HAVE BEEN DEMONSTRATED TO EXHIBIT PULLOUT FAILURES WITH AN ACCEPTABLE LOAD–DISPLACEMENT CHARACTERISTIC OR THAT PULLOUT FAILURES ARE PRECLUDED BY ANOTHER FAILURE MODE.

2. ANCHORS, ADHESIVE, AND RELATED MATERIALS SHALL BE CERTIFIED BY ICC–ES TO COMPLY WITH CURRENT APPLICABLE ICC ES ACCEPTANCE CRITERIA.

3. ADHESIVE ANCHORS: ANCHORS CONSISTING OF AN INSERT AND EPOXY OR HYBRID ADHESIVE.

a. INSERT:

1. REINFORCING DOWEL – ASTM A 615 OR A 706, GRADE 60

2. ACCEPTABLE PRODUCTS, EQUIVALENT PRODUCTS OF OTHER MANUFACTURERS WILL BE EVALUATED AS SUBSTITUTIONS:

1. RE 500–SD, HILTI, INC

2. ET–XP, SIMPSON STRONG–TIE

4. INSTALL ANCHORS IN ACCORDANCE WITH MANUFACTURER’S PRINTED INSTRUCTIONS.

5. PROVIDE MINIMUM EFFECTIVE EMBEDMENT DEPTH PER MANUFACTURER RECOMMENDATION, U.N.O.

6. SPECIAL INSPECTION: SPECIAL INSPECTION SHALL BE PROVIDED BY AN INDEPENDENT TESTING AND INSPECTION AGENCY IN ACCORDANCE WITH CHAPTER 17 OF THE IBC & AS FOLLOWS:

a. THE SPECIAL INSPECTOR SHALL INSPECT THE INSTALLATION OF 100% OF THE POST–INSTALLED ANCHORS.

b. FOR PERIODIC INSPECTION THE SPECIAL INSPECTOR SHALL VERIFY THE INITIAL INSTALLATIONS OF EACH TYPE AND CONSTRUCTION PERSONNEL SHALL BE PERMITTED TO BE PERFORMED IN THE ABSENCE OF THE SPECIAL INSPECTOR. ANY CHANGE IN THE ANCHOR PRODUCT BEING INSTALLED OR THE PERSONNEL PERFORMING THE INSTALLATION SHALL REQUIRE A REPEAT OF THE INITIAL INSPECTION. FOR ONGOING INSTALLATIONS OVER AN EXTENDED PERIOD THE SPECIAL INSPECTOR SHALL MAKE REGULAR INSPECTIONS TO CONFIRM CORRECT HANDLING AND INSTALLATION OF THE PRODUCT.

c. THE SPECIAL INSPECTOR SHALL VERIFY THE FOLLOWING ITEMS:

1. HOLE DRILLING METHOD IN ACCORDANCE WITH MANUFACTURER’S PRINTED INSTALLATION INSTRUCTIONS

2. HOLE LOCATION, DIAMETER AND DEPTH

3. HOLE CLEANING IN ACCORDANCE WITH MANUFACTURER’S PRINTED INSTALLATION INSTRUCTIONS

4. ANCHOR ELEMENT TYPE, MATERIAL, DIAMETER AND LENGTH

5. ADHESIVE IDENTIFICATION AND EXPIRATION DATE

6. ADHESIVE INSTALLATION IN ACCORDANCE WITH MANUFACTURER’S PRINTED INSTALLATION INSTRUCTIONS

d. A PROGRAM FOR ON–SITE TORQUE OR PROOF LOADING SHALL BE CONDUCTED AS PART OF THE SPECIAL INSPECTION AS FOLLOWS:

1. TEST 10% OF EACH COMBINATION OF ANCHOR TYPE, SIZE, EMBEDMENT, AND LOCATION (HORIZONTAL, VERTICAL, AND OVERHEAD INSTALLATION)

2. WEDGE ANCHORS SHALL BE TESTED TO THE FULL INSTALLATION TORQUE SPECIFIED BY THE ANCHOR MANUFACTURER USING A CALIBRATED TORQUE WRENCH

3. ADHESIVE ANCHORS SHALL BE PROOF LOAD TESTED IN TENSION USING A CALIBRATED RAM. PROOF LOAD LEVELS SHALL NOT EXCEED THE LESSER OF 50% OF EXPECTED ULTIMATE LOAD BASED ON ADHESIVE BOND STRENGTH NOR 80% OF THE ANCHOR YIELD STRENGTH. THE PROOF LOAD SHALL BE MAINTAINED AT THE REQUIRED LOAD LEVEL FOR A MINIMUM OF 10 SECONDS. DISPLACEMENT OF THE ANCHOR AT THE PROOF LOAD SHALL NOT EXCEED D/10, WHERE D IS THE NOMINAL ANCHOR DIAMETER

4. IF MORE THAN 10% OF THE TESTED ANCHORS FAIL TO ACHIEVE THE SPECIFIED TORQUE OR MAXIMUM DISPLACEMENT AT PROOF LOAD ALL ANCHORS OF THE SAME TYPE AND SIZE AS THE FAILED ANCHORS SHALL BE TESTED AND PERMANENT LOADS SHALL NOT BE APPLIED TO ANY ANCHOR FAILING TO MEET THE SPECIFIED REQUIREMENTS UNTIL WMATA EITHER ACCEPTS THE INSTALLATION IN WRITING OR THE CONDITION IS REINFORCED TO HIS/HER SATISFACTION.

ABBREVIATIONS:

ABV ABOVE

ACI AMERICAN CONCRETE INSTITUTE

ACIP AUGERED CAST–IN–PLACE PILES

ADD’L ADDITIONAL

AE AIR–ENTRAINED

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION

ANSI AMERICAN NATIONAL STANDARDS INSTITUTE

APPROX APPROXIMATELY

AR ANCHOR ROD

ARCH ARCHITECTURAL

ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS

ASTM AMERICAN SOCIETY FOR TESTING & MATERIALS

AWS AMERICAN WELDING SOCIETY

B BOTTOM

B/ BOTTOM OF

BLDG BUILDING

BM BEAM

BOT BOTTOM

CJP COMPLETE JOINT PENETRATION

CLR CLEAR

CMU CONCRETE MASONRY UNIT

CO CLEAN OUT

COL COLUMN

CONC CONCRETE

CONT CONTINUOUS

COORD COORDINATE

COTR CONTRACTING OFFICER’S TECHNICAL REPRESENTATIVE

db REINFORCING BAR DIAMETER

DIA DIAMETER

DN DOWN

DTLS DETAILS

DWG DRAWING

DWLS DOWELS

EA EACH

EF EACH FACE

EL ELEVATION

ELECT ELECTRICAL

EMBED EMBEDMENT

EOR ENGINEER OF RECORD

EOS EDGE OF SLAB

EQ EQUAL

EQUIP EQUIPMENT

EW EACH WAY

(E) EXISTING

EXP EXPANSION

FT FOOT/FEET

FTG FOOTING

GALV GALVANIZE

GL GRIDLINE

H HIGH OR HORIZONTAL

HK HOOK

HORIZ HORIZONTAL

HP HIGH POINT

HS HIGH STRENGTH

HSA HEADED SHEAR ANCHOR

IN INCH(ES)

JT JOINT

K KIPS (1000 POUNDS)

kN KILONEWTON

kPa KILOPASCAL

l LITER

L LENGTH

LBS POUNDS

Ld REINF BAR DEVELOPMENT LENGTH

LLH LONG LEG HORIZ

LLV LONG LEG VERT

LP LOW POINT

LTWT LIGHT WEIGHT

m METER

mm MILLIMETER

MAX MAXIMUM

MANUF MANUFACTURER

MECH MECHANICAL

MEP MECH/ELECT/PLUMBING

MIN MINIMUM

MPa MEGAPASCAL

MTL METAL

N NEWTON

NLWT NORMAL WEIGHT

(N) NEW

OC ON CENTER

OPNG OPENING

OPP OPPOSITE

PJP PARTIAL JOINT PENETRATION

PSF POUNDS PER SQUARE FOOT

PSI POUNDS PER SQUARE INCH

PT POST–TENSION

R RISER

REF REFERENCE

REINF REINFORCING OR REINFORCEMENT

REQ’d REQUIRED

SCHED SCHEDULE

SC SLIP CRITICAL

SDI STEEL DECK INSTITUTE

SDL SUPERIMPOSED DEAD LOAD

SEC SECONDS

SER STRUCTURAL ENGINEER OF RECORD

SIM SIMILAR

SOG SLAB–ON–GRADE

STD STANDARD

SJI STEEL JOIST INSTITUTE

STL STEEL

STRUCT STRUCTURAL

T TOP OR TREAD

T/ TOP OF

TOF TOP OF FOOTING

TOS TOP OF STEEL

THK THICK

TMS THE MASONRY SOCIETY

TYP TYPICAL

UNO UNLESS NOTED OTHERWISE

V VERTICAL

VERT VERTICAL

W/C WATER–CEMENTITIOUS MATERIAL RATIO

W WIDTH

WD WOOD

WP WORK POINT

WWR WELDED WIRE REINFORCEMENT

DESIGNED J. OZUSTA 06/01/17 DATE

DRAWN J. OZUSTA 06/01/17 DATE

CHECKED H. THOMAS 08/15/17 DATE

REFERENCE DRAWINGS

NUMBER

TITLE

DATE

NUM

DESCRIPTION

REVISIONS

DATE

DESCRIPTION

FINAL SUBMITTAL

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES

OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

Mark H. Magnuson

08/15/2017

DATE

JCL

08/15/2017

DATE

REPLACEMENT OF FARRAGUT NORTH & DUPONT CIRCLE CONDENSER PIPING

STRUCTURAL - GENERAL NOTES

AND ABBREVIATIONS - SHEET 2 OF 2

M NO.

CONTRACT NO.

SCALE

DRAWING NO.

SHEET NO.

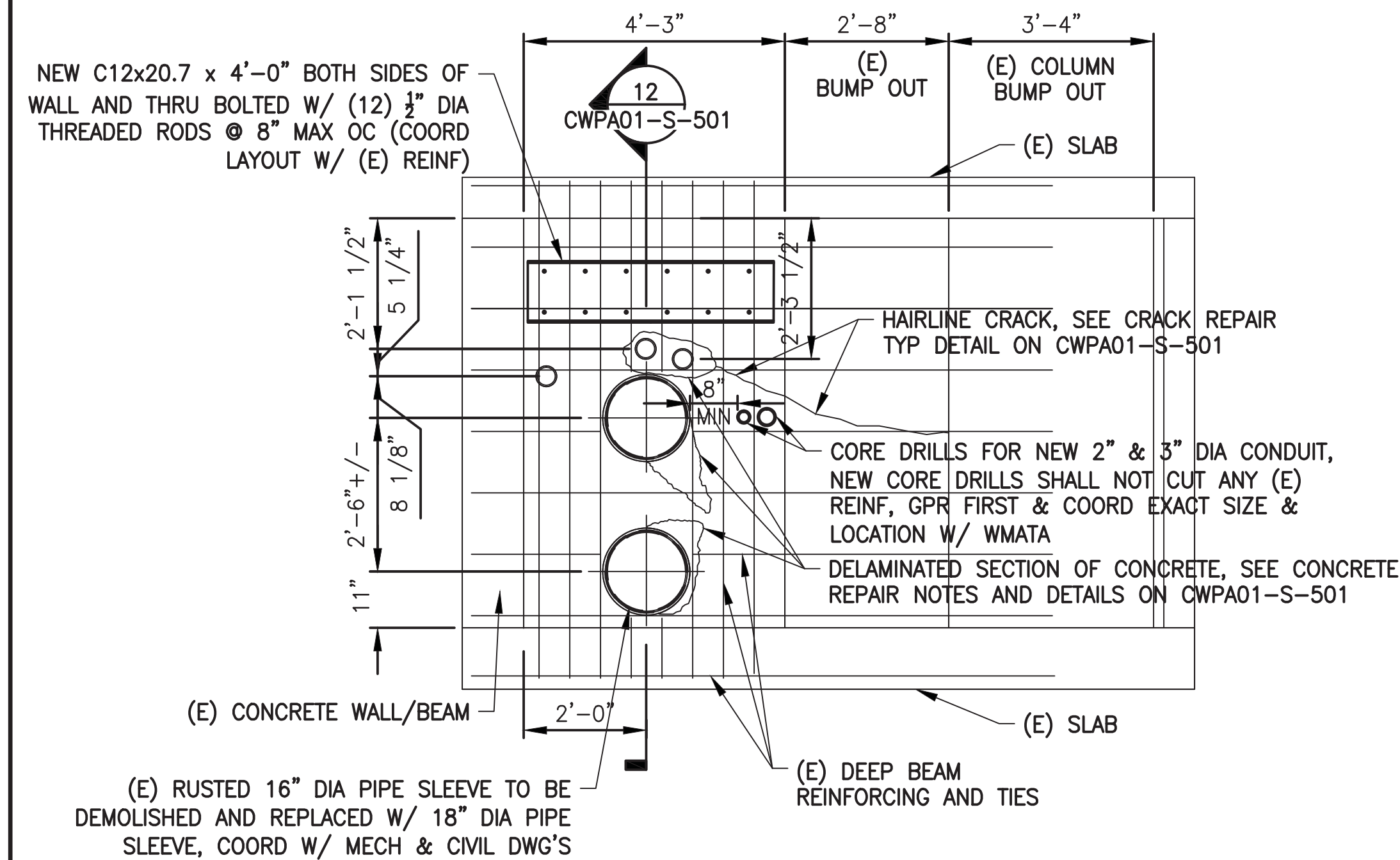
M1298

FQ-18004

AS NOTED

CWPA01-S-002

35 of 53

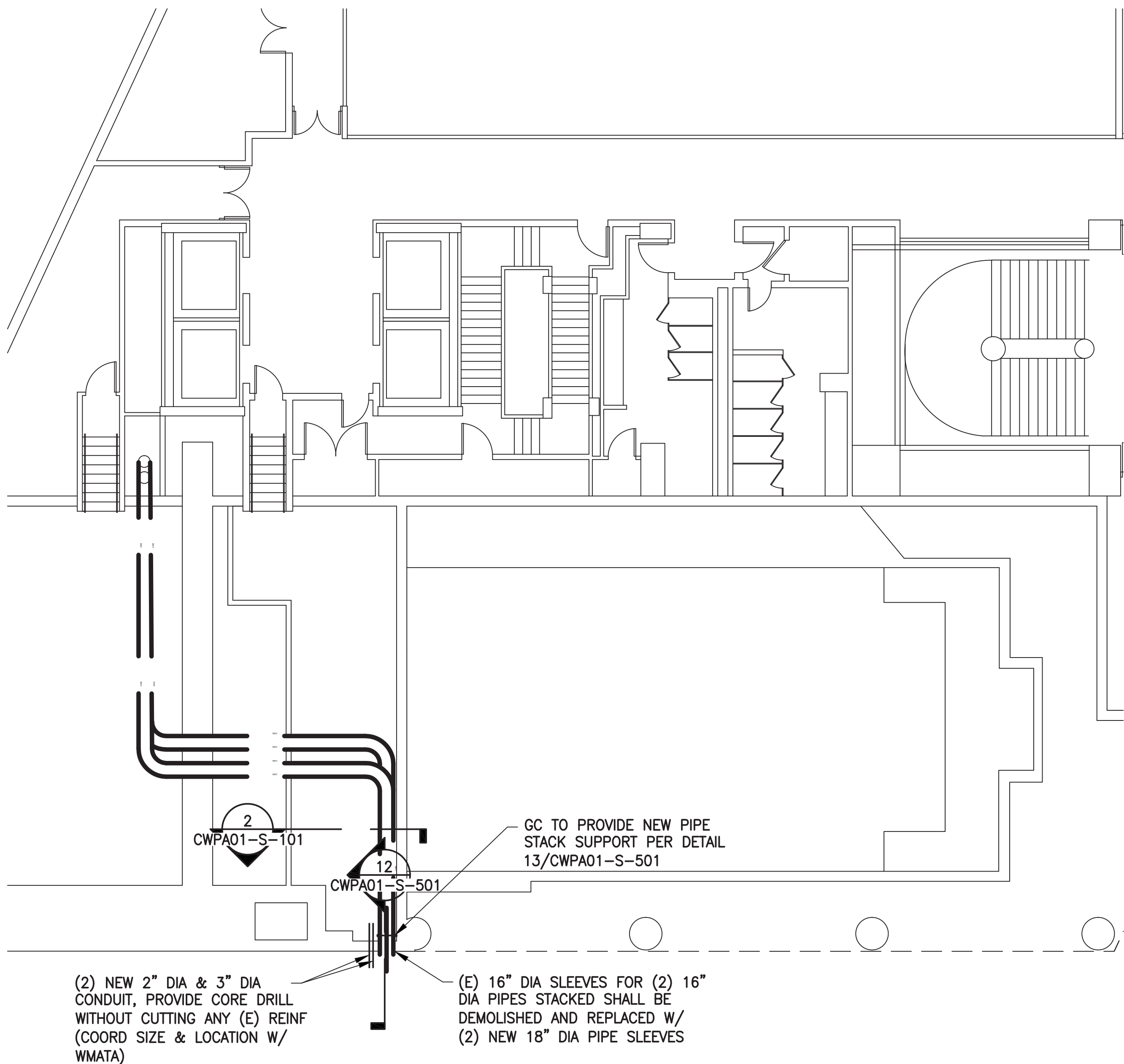


NOTES:

1. EXISTING WALL/BELM SHALL HAVE ALL REINFORCING IDENTIFIED WITH GROUND PENETRATING RADAR PRIOR TO ANY DEMOLITION OR REMOVAL OF DELAMINATED CONCRETE.
2. CARE SHALL BE TAKEN DURING DEMOLITION AND REMOVAL OF THE PIPE SLEEVES THAT NO EXISTING REINFORCING BARS ARE DAMAGED OR CUT. SAW CUTTING OF CONCRETE IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD.
3. REINFORCING SHOWN ON ELEVATION IS A GRAPHICAL REPRESENTATION BASED OFF EXISTING DRAWINGS FOR THE BELM IN QUESTION ONLY AND DOES NOT INCLUDE REINFORCING THAT MAY BE ADDED AROUND PENETRATIONS OR TYING IN FROM THE ADJACENT BELMS AND/OR SLABS.

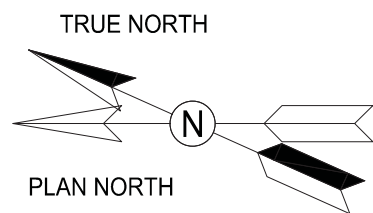
2 WALL ELEVATION @
PIPE PENETRATION
CWPAA1-S-101

SCALE: 1/2"=1'-0"



1 PARTIAL BASEMENT PLAN
CWPAA1-S-101

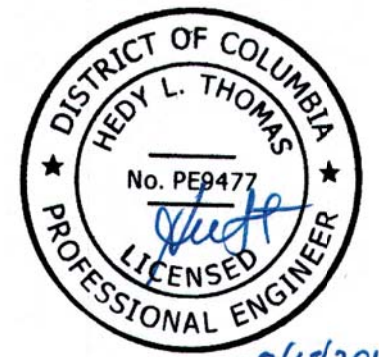
SCALE: 1/8"=1'-0"



LEUTERIO THOMAS LLC
ARCHITECTS + ENGINEERS
6710 Oxon Hill Road, Suite 310
National Harbor, MD 20745



A Gannett Fleming/Parsons
JOINT VENTURE



08/13/2017

	REFERENCE DRAWINGS		REVISIONS		
	NUMBER	TITLE	DATE	NUM	DESCRIPTION
DESIGNED	J. OZUSTA	06/01/17	DATE	0	FINAL SUBMITTAL
DRAWN	J. OZUSTA	06/01/17	DATE		
CHECKED	H. THOMAS	08/15/17	DATE		



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

Mark H. Magnuson

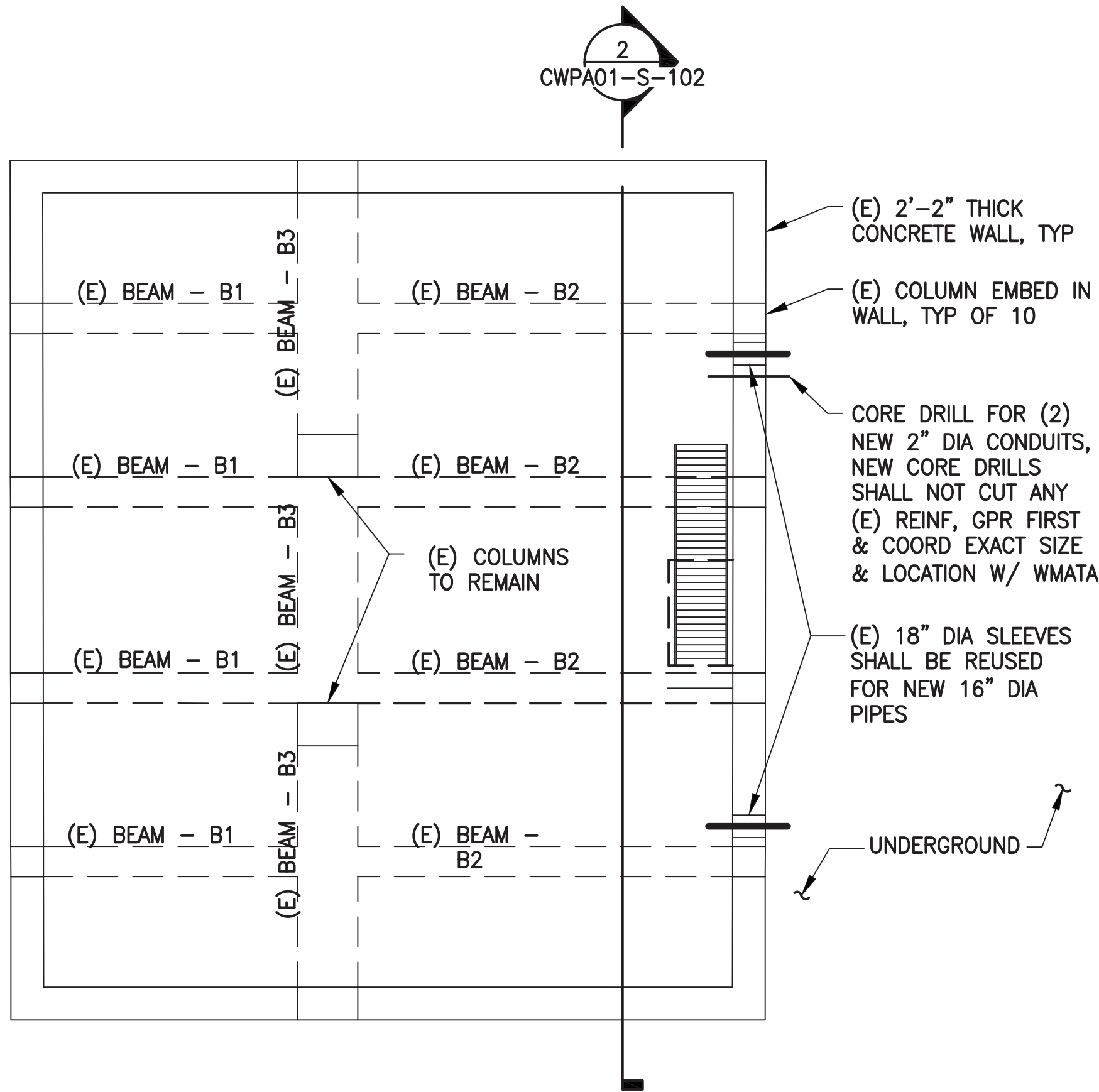
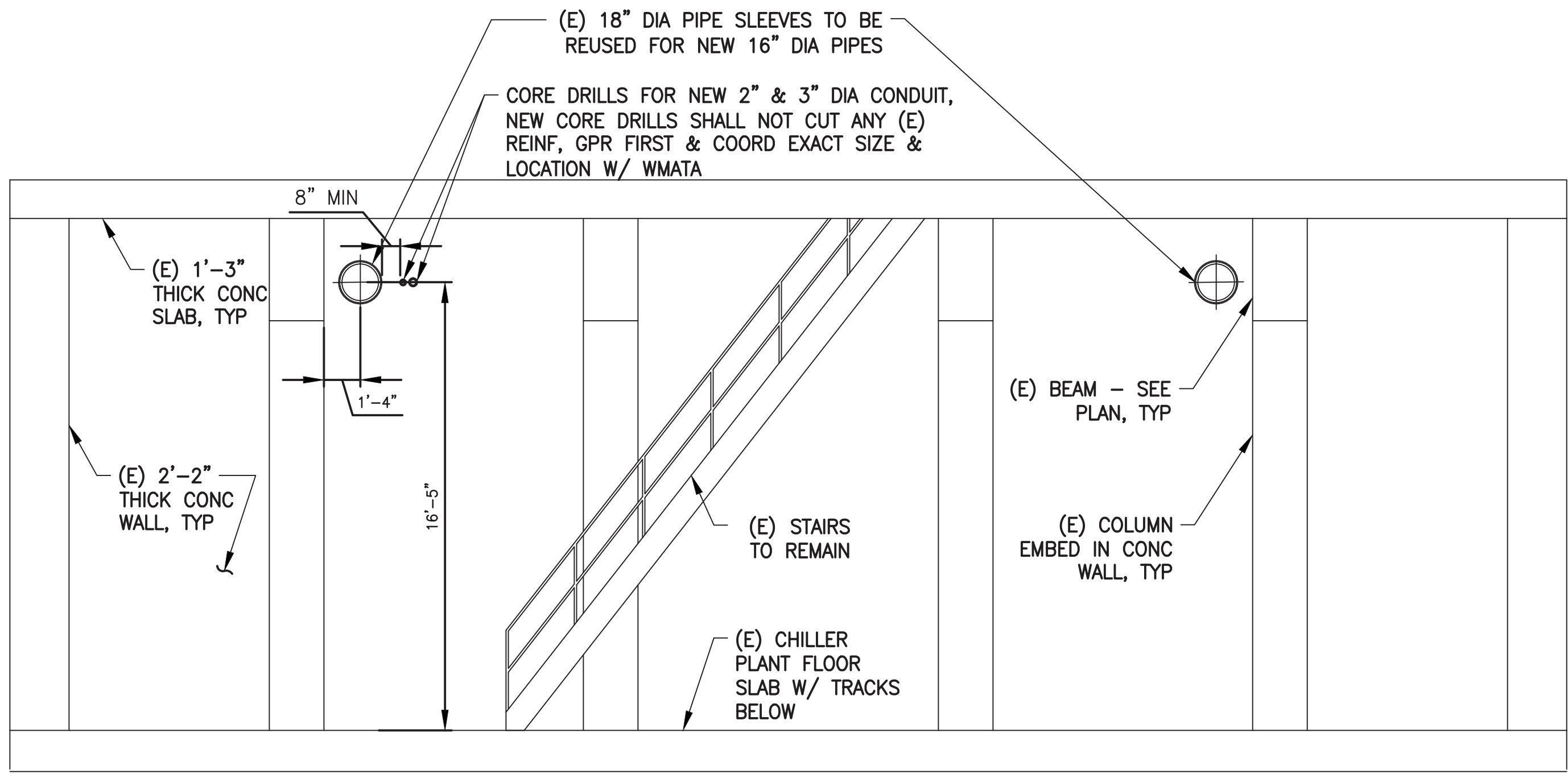
08/15/2017
DATE

J. O. L.

08/15/2017
DATE

REPLACEMENT OF
FARRAGUT NORTH & DUPONT CIRCLE CONDENSER PIPING
STRUCTURAL - 1101 CONNECTICUT AVE.
PLAN & ELEVATION

M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
M1298	FQ-18004	AS NOTED	CWPA01-S-101	36 of 53



2 WALL ELEVATION @ PIPE PENETRATION (INTERIOR)
CWPA01-S-102

SCALE: 1/4"=1'-0"

1 CHILLER PLANT ROOF PLAN
CWPA01-S-102

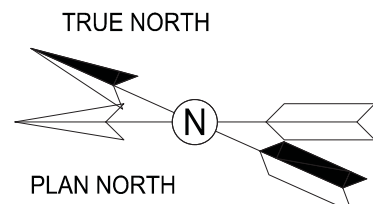
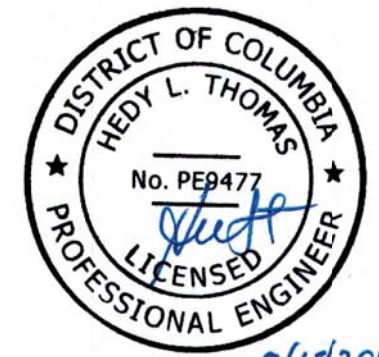
SCALE: 1/8"=1'-0"



LEUTERIO THOMAS LLC
ARCHITECTS + ENGINEERS
6710 Oxon Hill Road, Suite 310
National Harbor, MD 20745



A Gannett Fleming/Parsons
JOINT VENTURE



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

Mark H. Magnusson

08/15/2017
DATE

J. L.

08/15/2017
DATE

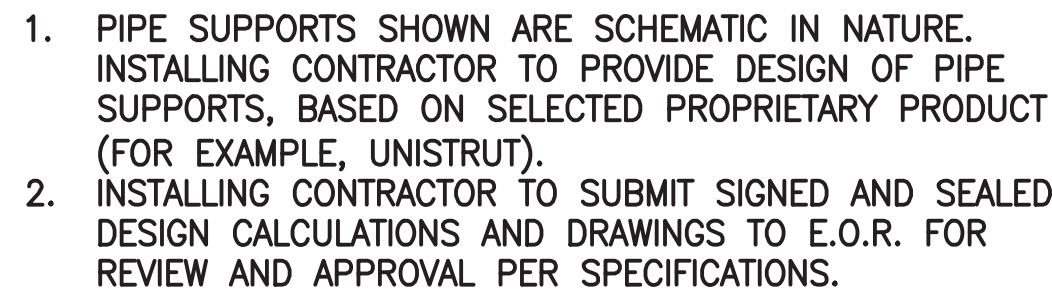
DESIGNED J. OZUSTA 06/01/17
DATE
DRAWN J. OZUSTA 06/01/17
DATE
CHECKED H. THOMAS 08/15/17
DATE

REFERENCE DRAWINGS	
NUMBER	TITLE

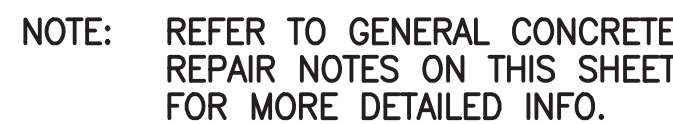
REVISIONS			
NUMBER	DATE	NUM	DESCRIPTION
	08/15/17	0	FINAL SUBMITTAL

REPLACEMENT OF
FARRAGUT NORTH & DUPONT CIRCLE CONDENSER PIPING
STRUCTURAL - WMATA CHILLER PLANT
ROOF PLAN & ELEVATION

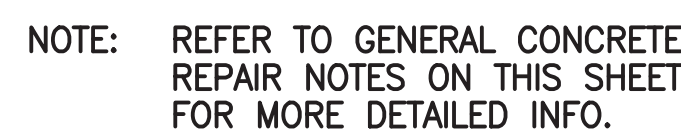
M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
M1298	FQ-18004	AS NOTED	CWPA01-S-102	37 of 53



CWPA01-S-501 SCALE: N.T.S.



CWPA01-S-501 SCALE: 3/4" = 1'-0"



CWPA01-S-501 SCALE: 3/4" = 1'-0"



1. (E) WALL/BEAM SHALL HAVE ALL REINFORCING IDENTIFIED WITH GROUND PENETRATING RADAR PRIOR TO ANY DEMOLITION OR REMOVAL OF DELAMINATED CONCRETE.
2. CARE SHALL BE TAKEN DURING DEMOLITION AND REMOVAL OF THE PIPE SLEEVES THAT NO (E) REINFORCING BARS ARE DAMAGED OR CUT. SAW CUTTING OF CONCRETE IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD.
3. REINFORCING SHOWN IN SECTION IS A GRAPHICAL REPRESENTATION BASED OFF EXISTING DRAWINGS FOR THE BEAM IN QUESTION ONLY AND DOES NOT INCLUDE REINFORCING THAT MAY BE ADDED AROUND PENETRATIONS OR TYING IN FROM THE ADJACENT BEAMS AND/OR SLABS.
4. EXISTING 5" DIA PIPE TO REMAIN SHALL BE SHORED ACCORDINGLY PRIOR & DURING DEMOLITION OF CONCRETE AS SHOWN.
5. REFER TO CIVIL DRAWINGS FOR EXCAVATION AND BACKFILLING REQUIREMENTS.

CWPA01-S-501



1. THE STRUCTURAL REPAIRS INDICATED ON THESE REPAIR DRAWINGS WERE DESIGNED TO RESTORE THE STRUCTURAL INTEGRITY OF THE BUILDING. THE REPAIRS HOWEVER, DO NOT CONSTITUTE AN UPGRADING TO MEET THE CURRENT CODE.
2. THE CRACKS, DELAMINATION, AND DAMAGES INDICATED ON THESE DRAWINGS REFLECT WHAT HAS BEEN OBSERVED AT THE TIME OF ASSESMENT AND THE PREPARATION OF THE REPAIR DRAWINGS. THE CONTRACTOR SHALL MAKE A THOROUGH INSPECTION TO VERIFY THE DAMAGES INDICATED OR ANY DAMAGES THAT MAY NOT HAVE BEEN PREVIOUSLY OBSERVED. NOTE THAT CRACKS LOCATED OR NOT ON THESE DRAWINGS IN THE SCOPE OF WORK AREAS SHALL BE REPAIRED ACCORDINGLY AND SHALL BE CONSIDERED PART OF THE CONTRACTOR BID.
3. PLACE TEMPORARY INJECTION PORTS AND RELATED SEALANT ALONG LENGTH OF CRACK.
4. AFTER EPOXY HAS CURED, REMOVE ALL TEMPORARY INJECTION PORTS FROM CONCRETE SURFACES.
5. BASIS-OF-DESIGN PRODUCT FOR CRACK INJECTION IS SIKADUR 35 AND FOR CRACK SEALING IS SIKADUR 31.
6. FOLLOW ALL INSTALLATION PROCEDURES AS REQUIRED BY THE PRODUCT MANUFACTURER.

CWPA01-S-501

SCALE: N.T.S.



DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

Mark H. Magnuson

08/15/2017

DATE

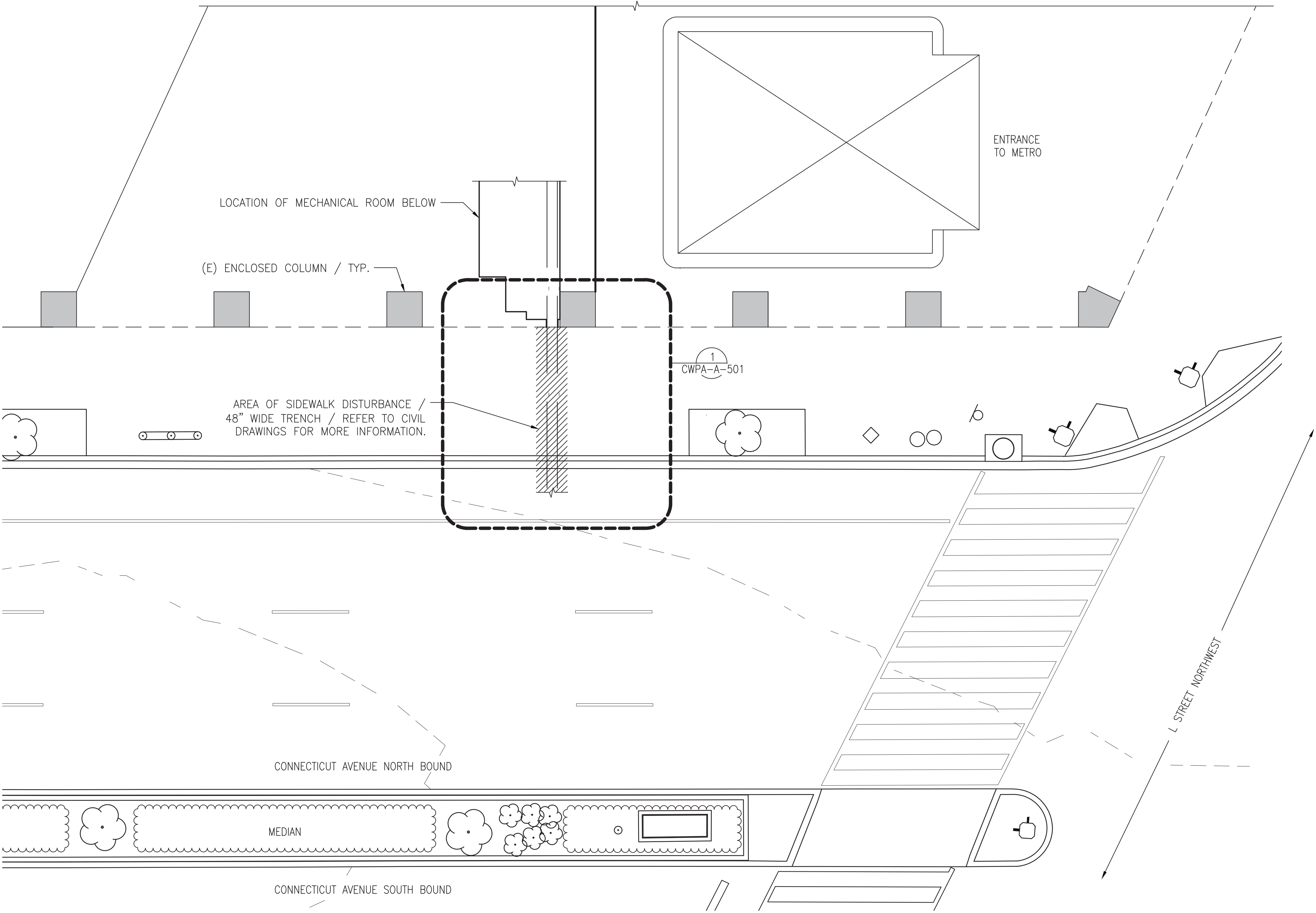
JCL

08/15/2017

DATE

STRUCTURAL - TYPICAL DETAILS & SECTIONS

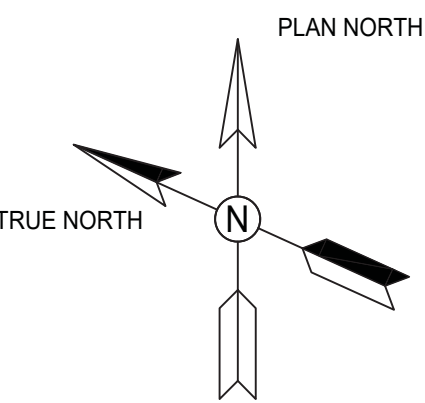
M NO. M1298	CONTRACT NO. FQ-18004	SCALE AS NOTED	DRAWING NO. CWPA01-S-501	SHEET NO. 38 of 53
----------------	--------------------------	-------------------	-----------------------------	-----------------------



- GENERAL NOTES
- 1) REFER TO CIVIL DRAWINGS FOR MORE INFORMATION REGARDING EXISTING UTILITY LOCATIONS AND TOPOGRAPHY.

1 CONNECTICUT AVENUE SITE PLAN AT BUILDING 1101
CWPA-A-101

SCALE: 1/8" = 1'-0"



LEUTERIO THOMAS LLC
ARCHITECTS + ENGINEERS
6710 Oxon Hill Road, Suite 310
National Harbor, MD 20745

A Gannett Fleming/Parsons
JOINT VENTURE



	REFERENCE DRAWINGS			REVISIONS		
	NUMBER	TITLE	DATE	NUM	DESCRIPTION	
DESIGNED	C. STEIN	06/14/2017	DATE	08/15/2017	0	FINAL SUBMITTAL
DRAWN	C. STEIN	06/14/2017	DATE			
CHECKED	G. THOMAS	08/15/2017	DATE			

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

Mark H. Magnuson 08/15/2017
DATE

GL 08/15/2017
DATE

A/E SERVICES FOR THE REPLACEMENT OF FARRAGUT NORTH & DUPOINT CIRCLE CONDENSER PIPING ARCHITECTURAL 1101 CONNECTICUT AVENUE SITE PLAN				
M NO.	CONTRACT NO.	SCALE	DRAWING NO.	SHEET NO.
M1298	FQ-18004	1/8" = 1'-0"	CWPA01-A-101	40 of 53