

STA A4+48.29 R4.62
 CUT IN 12" FLG CROSS ON EXISTING 12" CAST IRON WATER LINE. INSTALL 12" FLG BUTTERFLY VALVE AND 12" FLG 45° BEND WITH 12" FLG X MJ ADAPTER (W). INSTALL 12" FLG BUTTERFLY VALVE, 12" FLG X 10" MJ REDUCER, 3' LONG 10" DI PIPE AND TRANSITION COUPLER (N). INSTALL 12" FLG X MJ BUTTERFLY VALVE (E). INSTALL 12" FLG X MJ BUTTERFLY VALVE, 12" DI PIPE AND TRANSITION COUPLER (S). EXTEND 10" AND 12" DI PIPING TO LIMITS OF 3-INCH ASPHALT GRIND INLAY (N,S). NORTH AND SOUTH BUTTERFLY VALVES SHALL REMAIN CLOSED UNTIL ACCEPTANCE OF NEW WATER LINE.

STA A4+32.97 R14.93
 INSTALL 12" DI 45° MJ BEND.

STA A4+27.40 R15.27
 INSTALL 12" MJ X 6" FLG TEE WITH 6" FLG X MJ GATE VALVE AND STANDARD FIRE HYDRANT ASSEMBLY (S). SEE STANDARD DRAWING NO 504. HYDRANT LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER AND SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE EXISTING HYDRANT.

RAYBAR PROFESSIONAL CENTER
 425 2ND AVE SW

STA A4+76.09 R4.66
 INSTALL 12" MJ X FLG CROSS FOR FUTURE USE. INSTALL 12" BLIND FLANGE (N,S).

STA A5+06.33 R4.63
 AFTER ACCEPTANCE OF NEW WATERLINE, CONSTRUCT 12"X6" CONNECTION ASSEMBLY. SEE STANDARD DRAWING NO. 511, DETAIL A. DO NOT USE POLYWRAP ON 6" DI PIPE.

STA B2+09.75 L5.68
 INSTALL 12" MJ X 6" FLG TEE (N). INSTALL 6" FLG X MJ GATE VALVE AND STANDARD FIRE HYDRANT ASSEMBLY (W). SEE STANDARD DRAWING NO. 504. HYDRANT LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER.

STA B2+04.81 L5.69
 INSTALL 12" DI 45° MJ BEND.

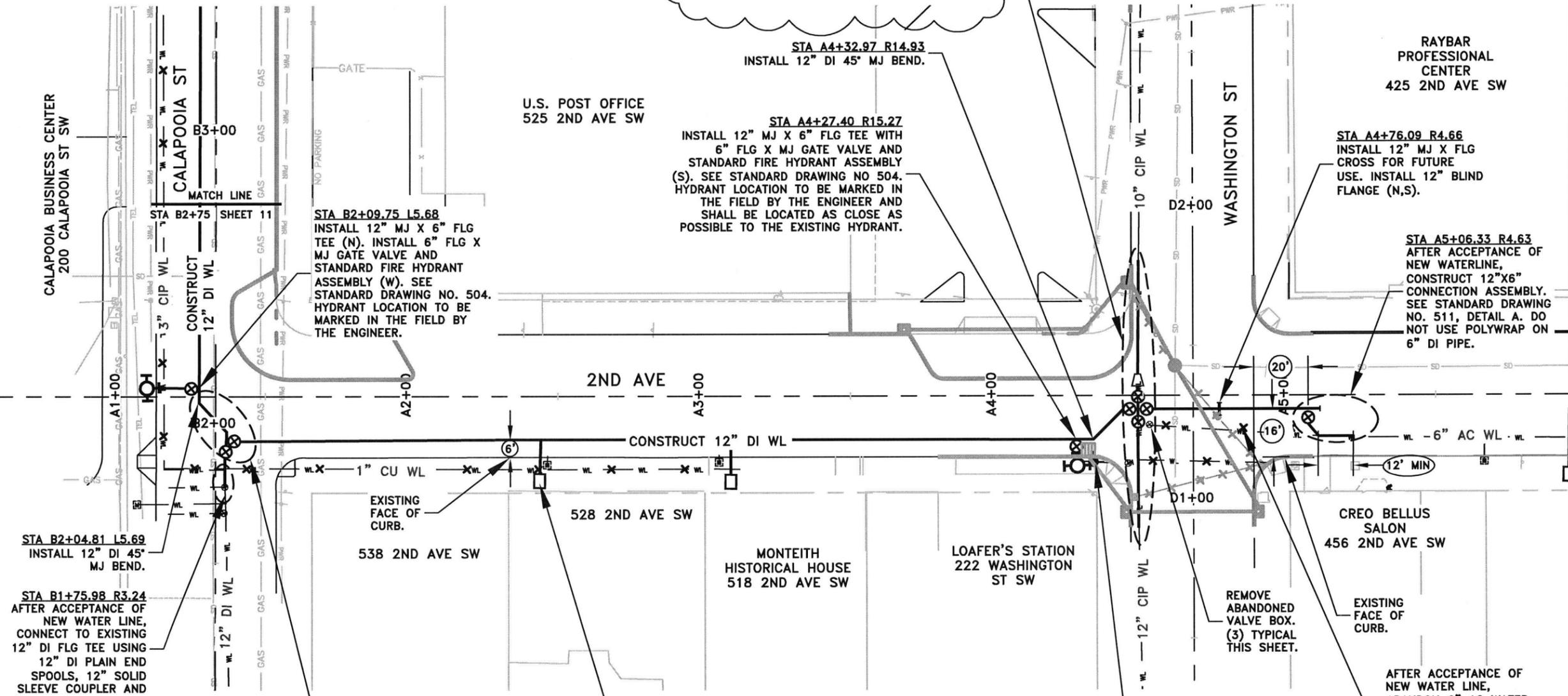
STA B1+75.98 R3.24
 AFTER ACCEPTANCE OF NEW WATER LINE, CONNECT TO EXISTING 12" DI FLG TEE USING 12" DI PLAIN END SPOOLS, 12" SOLID SLEEVE COUPLER AND 12" FLG X MJ ADAPTER.

STA B1+91.79 R3.65
 INSTALL 12" FLG TEE. INSTALL 12" FLG X MJ BUTTERFLY VALVE (E,S). INSTALL 12" DI 45° FLG BEND WITH DI FLG X MJ ADAPTER (N).

CONSTRUCT STANDARD 1" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER. (2) TYPICAL THIS SHEET.

REMOVE ABANDONED FIRE HYDRANT AND LEAVE ONSITE TO BE RECLAIMED BY CITY CREWS.

AFTER ACCEPTANCE OF NEW WATER LINE, ABANDON 6" AC WATER LINES UNDER WASHINGTON ST BY FILLING THEM WITH CELLULAR CONCRETE. SEE SPECIAL PROVISIONS.



DESIGNED: L. SCHUMACHER	REVISIONS
DRAWN: L. SCHUMACHER	NO: BY:
CHECKED: C. CERKLEWSKI	11/18/2016 REV 1 LLS
DATE: 11/8/2016	

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES

ST-15-03-A, CARA STREET IMPROVEMENTS PHASE 1
 2ND AVENUE WATER LINE CONSTRUCTION

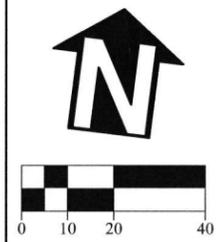


EXPIRATION DATE: 12/31/2017

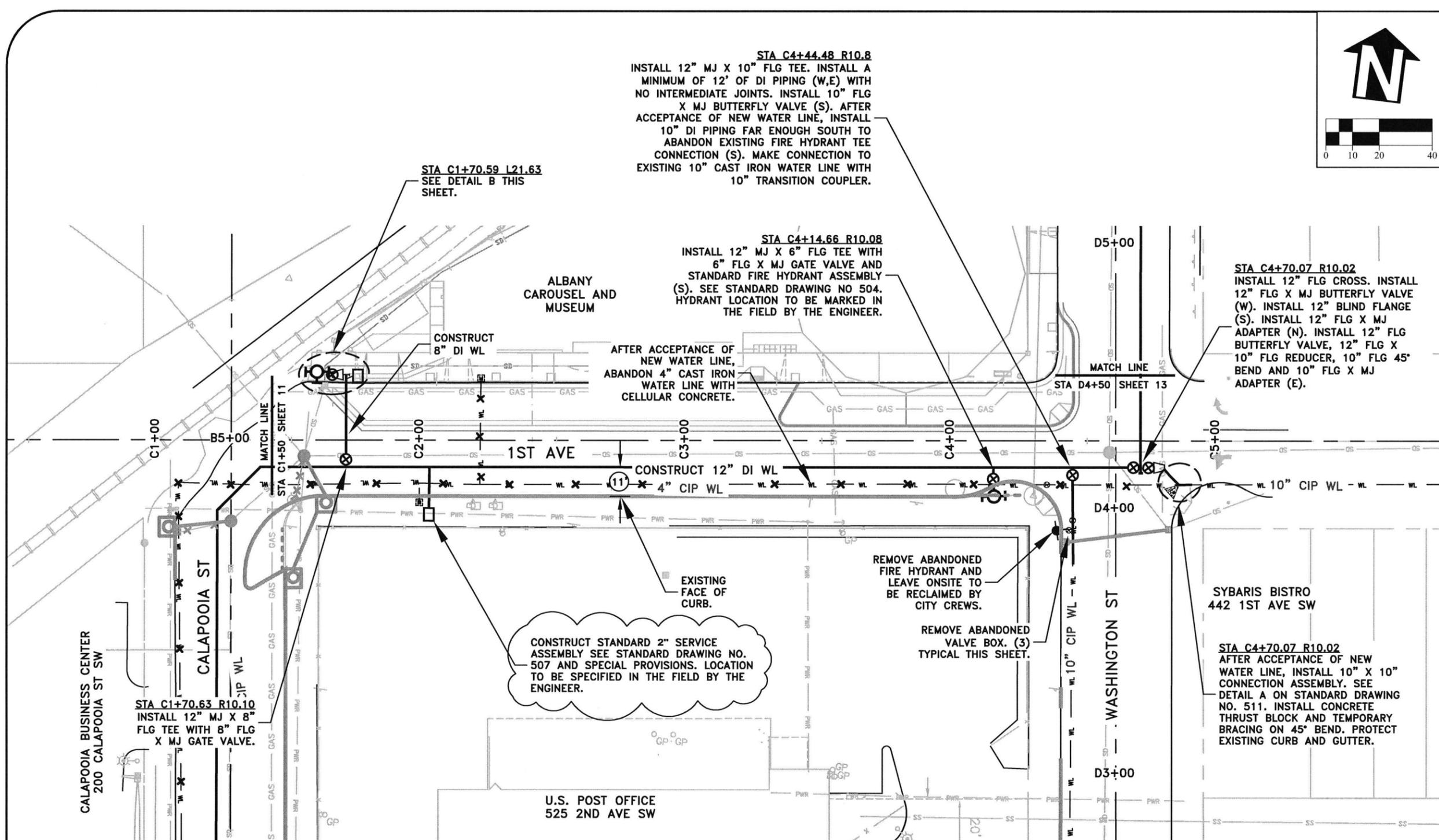
SHEET NO. 10 OF 21

PROJECT NO: ST-15-03-A

FILE: BASE.DWG



DESIGNED:	L. SCHUMACHER
DRAWN:	L. SCHUMACHER
CHECKED:	C. CERKLEWSKI
DATE:	11/8/2016
REVISIONS	
NO:	BY:
REV 1	LLS
DATE:	11/18/2016



STA C4+44.48 R10.8
 INSTALL 12" MJ X 10" FLG TEE. INSTALL A MINIMUM OF 12' OF DI PIPING (W,E) WITH NO INTERMEDIATE JOINTS. INSTALL 10" FLG X MJ BUTTERFLY VALVE (S). AFTER ACCEPTANCE OF NEW WATER LINE, INSTALL 10" DI PIPING FAR ENOUGH SOUTH TO ABANDON EXISTING FIRE HYDRANT TEE CONNECTION (S). MAKE CONNECTION TO EXISTING 10" CAST IRON WATER LINE WITH 10" TRANSITION COUPLER.

STA C1+70.59 L21.63
 SEE DETAIL B THIS SHEET.

STA C4+14.66 R10.08
 INSTALL 12" MJ X 6" FLG TEE WITH 6" FLG X MJ GATE VALVE AND STANDARD FIRE HYDRANT ASSEMBLY (S). SEE STANDARD DRAWING NO 504. HYDRANT LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER.

STA C4+70.07 R10.02
 INSTALL 12" FLG CROSS. INSTALL 12" FLG X MJ BUTTERFLY VALVE (W). INSTALL 12" BLIND FLANGE (S). INSTALL 12" FLG X MJ ADAPTER (N). INSTALL 12" FLG BUTTERFLY VALVE, 12" FLG X 10" FLG REDUCER, 10" FLG 45° BEND AND 10" FLG X MJ ADAPTER (E).

AFTER ACCEPTANCE OF NEW WATER LINE, ABANDON 4" CAST IRON WATER LINE WITH CELLULAR CONCRETE.

SYBARIS BISTRO
 442 1ST AVE SW

CONSTRUCT STANDARD 2" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER.

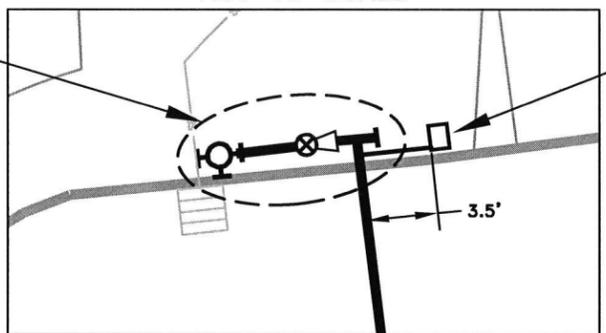
REMOVE ABANDONED FIRE HYDRANT AND LEAVE ONSITE TO BE RECLAIMED BY CITY CREWS.

REMOVE ABANDONED VALVE BOX. (3) TYPICAL THIS SHEET.

STA C4+70.07 R10.02
 AFTER ACCEPTANCE OF NEW WATER LINE, INSTALL 10" X 10" CONNECTION ASSEMBLY. SEE DETAIL A ON STANDARD DRAWING NO. 511. INSTALL CONCRETE THRUST BLOCK AND TEMPORARY BRACING ON 45° BEND. PROTECT EXISTING CURB AND GUTTER.

DETAIL B: HYDRANT ASSEMBLY
 NOT TO SCALE

STA C1+70.59 L21.63
 INSTALL 8" FLG X 8" MJ TEE. INSTALL 8" BLIND FLANGE (E). INSTALL 8" FLG X 6" FLG REDUCER, 6" FLG X MJ GATE VALVE, AND STANDARD FIRE HYDRANT ASSEMBLY (W). SEE STANDARD DRAWING NO 504. HYDRANT LOCATION TO BE MARKED IN THE FIELD BY THE ENGINEER.



CONSTRUCT STANDARD 2" SERVICE ASSEMBLY SEE STANDARD DRAWING NO. 507 AND SPECIAL PROVISIONS. LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER.

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES



ST-15-03-A, CARA STREET IMPROVEMENTS PHASE I
 1ST AVENUE WATER LINE CONSTRUCTION



EXPIRATION DATE: 12/31/2017
 SHEET NO. 12 OF 21
 PROJECT NO: ST-15-03-A
 FILE: BASE.DWG