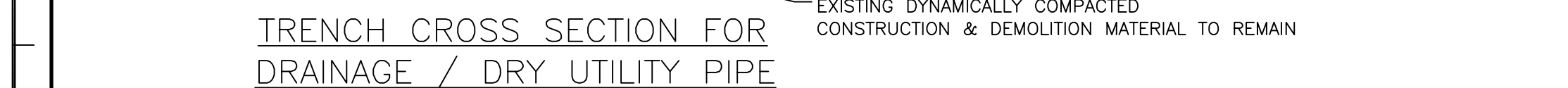


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2. TRENCH SHALL BE BACKFILLED IN 8" COMPACTED LAYERS OR SELECTED MATERIAL 100% TO PASS 1" SIEVE COMPACTED IN 6" LAYERS TO A DENSITY OF NOT LESS THAN 95% OF MAX. DENSITY AS DETERMINED BY ASTM D1557, METHOD "D".
3. ALL CONSTRUCTION & DEMOLITION MATERIAL WITHIN THE TRENCH TO BE EXCAVATED, REMOVED, AND MANAGED IN ACCORDANCE WITH AN APPROVED WASTE RELOCATION PLAN.
4. MINIMUM BEDDING BENEATH PIPE SHALL BE 1" MIN. FOR DRY UTILITY PIPES.



AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF SETTLEMENT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH IS COMPLETED IN ACCORDANCE WITH THE DETAILS

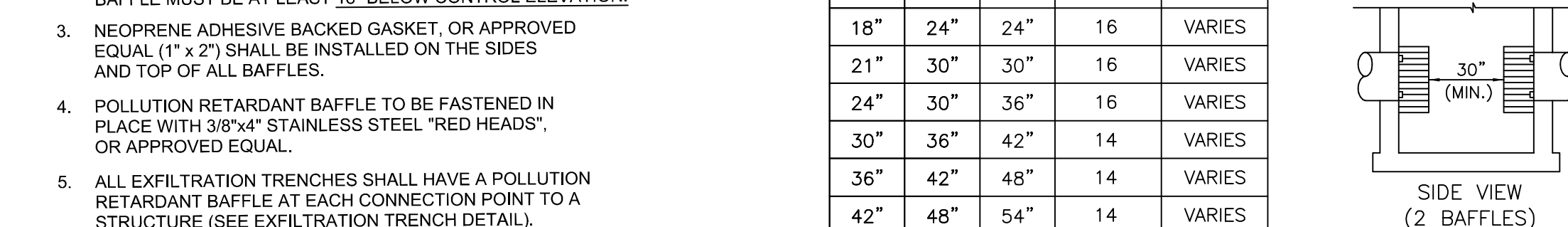
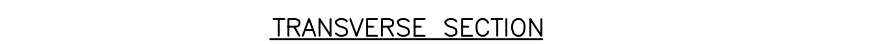
- NOTES:**

 1. INSTALL POLLUTION RETARDANT BAFFLE AS PER DETAIL THIS SHEET.
 2. THE PROPOSED TRENCH SHALL BE EXCAVATED TO THE BOTTOM OF TRENCH ELEVATION INDICATED IN THE DRAINAGE STRUCTURE SCHEDULE, UNLESS APPROVED OTHERWISE BY THE ENGINEER OF RECORD.
 3. THE CONTRACTOR SHALL PROVIDE AS-BUILT BOTTOM OF TRENCH ELEVATIONS AND LENGTH OF THE EXFILTRATION TRENCHES INSTALLED TO THE ENGINEER OF RECORD. AS-BUILTS SHALL BE CERTIFIED BY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
 4. STRUCTURAL DESIGN (WALL AND SLAB THICKNESS AND ALL REINFORCING) NOT REVIEWED. TO BE DESIGNED BY PRECASTER AND SHALL MEET FOOT STANDARDS AND SUPPORT H/50 LOADING.
 5. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 9 FEET DEEP OR EXTEND TO A DEPTH WHERE EXISTING CLEAN FILL IS ENCOUNTERED, WHICHEVER IS GREATER.



TRANSVERSE SECTION

EXFILTRATION TRENCH DETAIL



1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. THE BOTTOM ELEVATION OF THE POLLUTION RETARDANT BAFFLE MUST BE AT LEAST 18" BELOW CONTROL ELEVATION.
3. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
4. POLLUTION RETARDANT BAFFLE TO BE FASTENED IN PLACE WITH 3/8"x4" STAINLESS STEEL "RED HEADS", OR APPROVED EQUAL.
5. ALL EXFILTRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE (SEE EXFILTRATION TRENCH DETAIL).
6. FIBERGLASS BAFFLES ARE NOT PERMITTED.
7. MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES, SPACING TO MATCH HOLES IN FLAT BARS.

PIPE DIA.	W ¹ (IN)	W ² (IN)	T (GAUGE)	(IN)
15"	21"	21"	16	
18"	24"	24"	16	VARIES
21"	30"	30"	16	VARIES
24"	30"	36"	16	VARIES
30"	36"	42"	14	VARIES
36"	42"	48"	14	VARIES
42"	48"	54"	14	VARIES
48"	54"	60"	14	VARIES
54"	60"	66"	14	VARIES

POLLUTANT RETARDANT BAFFLE DETAIL

DRAINAGE STRUCTURE SCHEDULE										
No.	TYPE & INSIDE DIMENSION	GRATE/R/M	ELEVATION	PIPE INVERT ELEVATION			PRB	STRUCTURE BOTTOM ELEVATION	REMARKS	
				N	S	E				W
CB-01	TYPE D	48"Ø	7.50	4.50		4.50		E	2.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-02	TYPE D	48"Ø	7.50			4.50	4.50	E,W	2.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-03	TYPE D	48"Ø	7.50		4.50			S	2.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-04	TYPE D	48"Ø	7.50	4.50		4.50	4.50	N,E,W	2.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-05	TYPE D	48"Ø	8.00				4.00		2.00	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-06	TYPE D	48"Ø	7.50		4.50	4.50			2.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-07	TYPE D	48"Ø	7.50	4.50					2.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-08	TYPE D	48"Ø	7.50	4.50 (NW)	4.50				2.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-09	TYPE D	48"Ø	8.00		4.00				2.00	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
CB-10	TYPE D	48"Ø	8.00				4.00 (NW)		2.00	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 4105-6220
MH-01	TYPE D	48"Ø	7.80	4.50		4.50	4.50	N, W	0.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 580
MH-02	TYPE D	48"Ø	7.84	4.50	4.50 (SE)	4.50	4.50	E	0.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 580
MH-03	TYPE D	48"Ø	7.87		4.50	4.50 (SE)	4.50	S,W	0.50	US PRECAST STRUCTURE 3-18.3; US FOUNDRY GRATE 580

Date	Description	No.
07/19/23	CITY OF POMPANO BEACH DRC	1

Michael P Carr
Professional Engineer
FL Lic. No. 72424

This form has been digitally signed and sealed by Michael Carr, P.E. on the date indicated to the right.

Printed Copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

MICHAEL P. CARR
LICENSE
No. 72424
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Signature _____ Date _____

MICHAEL CARR
PROFESSIONAL ENGINEER FL Lic. No. 72424

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FL CERTIFICATE OF AUTHORIZATION NO. 00006601/LB8172/LB8198
Project

BLP - POMPANO BEACH

PARCEL ID: 4942-03-00-0036, -0038, -0043
CITY OF POMPANO BEACH
BROWARD COUNTY FLORIDA
Drawing Title

DETAILS

Project No. 330119501	Drawing No. C-803
Date AUGUST 2023	
Drawn By NCM	
Checked By MPC	