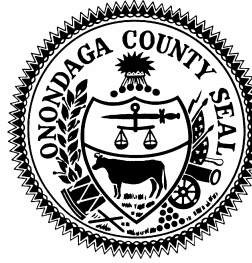
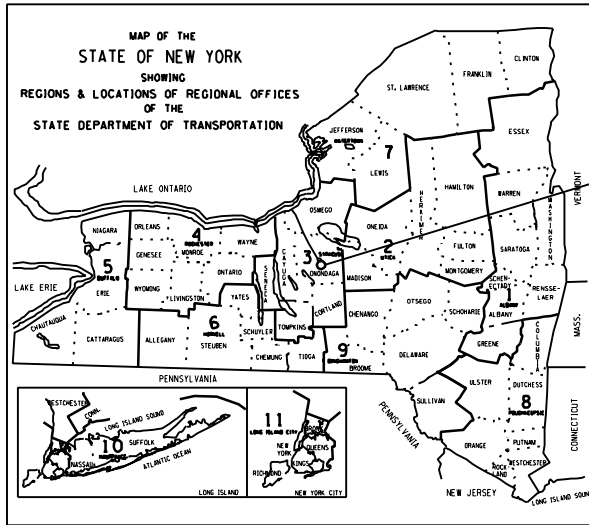


KAW
 CHECKED BY
 KAW/PJZ
 DRAFTED BY
 MCB
 CHECKED BY
 KAW
 ESTIMATED BY
 MCB
 CHECKED BY
 KAW
 DESIGNED BY
 JPD
 IN CHARGE OF



Save the Rain...

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

STATE STREET GREEN CORRIDOR ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION TASK ORDER NUMBER: 2016-004G & 2016-001L

CITY OF SYRACUSE
ONONDAGA COUNTY, NY
OFFICE OF THE COUNTY EXECUTIVE
JOANNE M. MAHONEY
COUNTY EXECUTIVE
OCDWEP COMMISSIONER
TOM RHOADS
FUNDED IN PART BY NYSDEC WOIP GRANT

MAY 2016

RECOMMENDED BY

TOM RHOADS,
OCDWEP COMMISSIONER

DATE

DRAWING INDEX

DRAWING NAME	DRAWING #	SHEET #
COVER		1
GENERAL NOTES AND LEGEND	GN-1	2
DEMOLITION PLANS	D-1 TO D-9	3 TO 11
DRAINAGE AREAS	DA-1 TO DA-3	12 TO 14
GENERAL PLANS	PL-1 TO PL-9	15 TO 23
INFILTRATION TRENCH PROFILES	PR-1 TO PR-3	24 TO 26
CURB PROFILES	CP-1 TO CP-2	27 AND 28
MISCELLANEOUS DETAILS	MD-1 TO MD-3	29 TO 31
LANDSCAPE PLANS	LP-1 TO LP-3	32 TO 34
WORK ZONE TRAFFIC CONTROL NOTES	WZTC-1	35
WORK ZONE TRAFFIC CONTROL TABLES AND SYMBOLS	WZTC-2	36
WORK ZONE TRAFFIC CONTROL DETAILS	WZTC-3 TO WZTC-4	37 AND 38



PREPARED AND RECOMMENDED BY
BARTON AND LOGUIDICE, D.P.C.



JOHN P. DONOHUE, P.E., LEED AP
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 067059



PROJECT LOCATION

CONTRACTOR'S NAME _____
 AWARD DATE _____
 COMPLETION DATE _____
 FINAL ACCEPTANCE DATE _____
 ENGINEER IN CHARGE _____
 FINAL COST TOTAL _____
 FISCAL SHARE _____ COST(S) _____

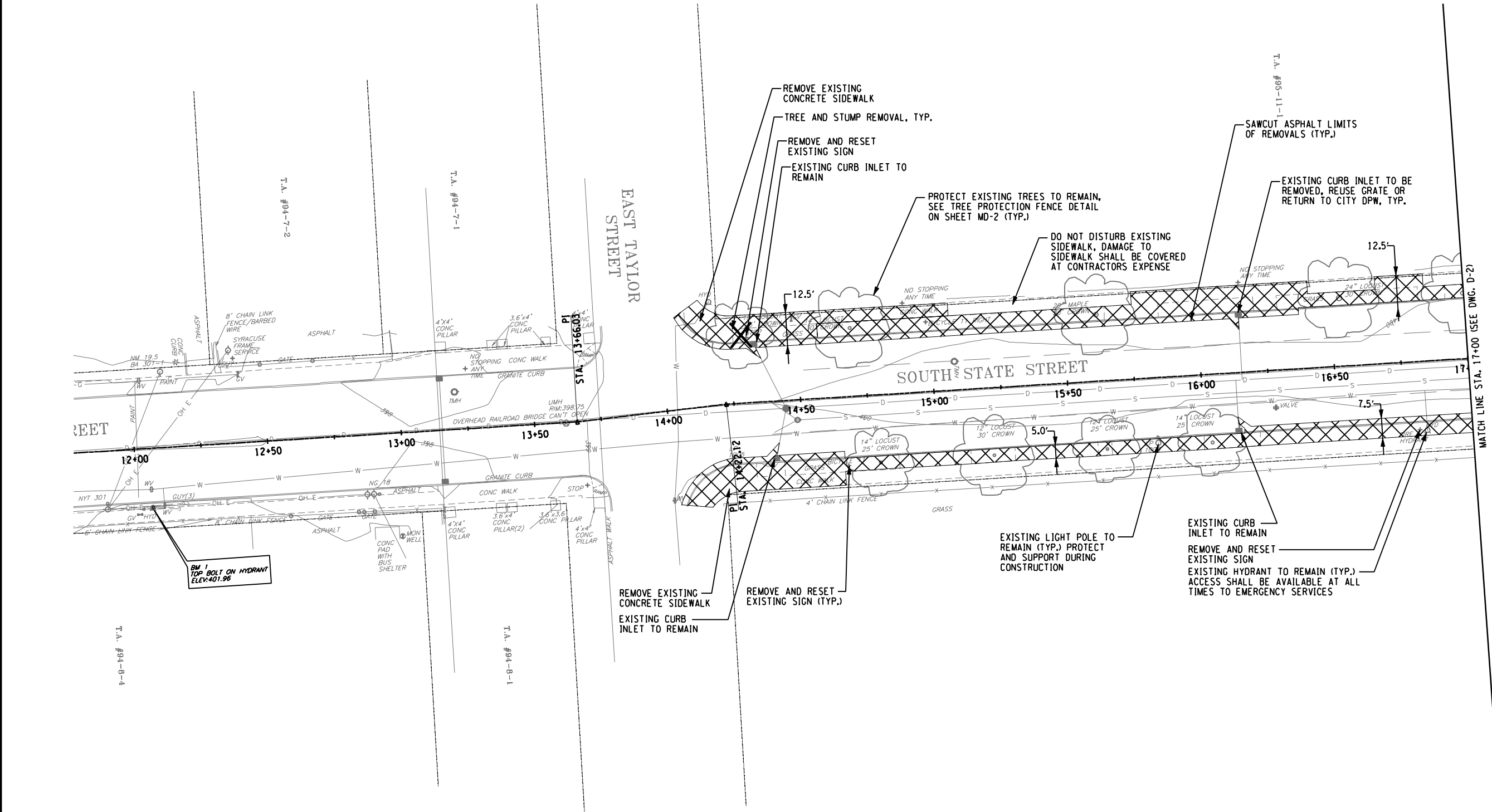
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TASK ORDER NUMBER: 2016-004G & 2016-001L			
ONONDAGA CO. DEPT. OF WATER ENVIRONMENT PROTECTION			
CITY OF SYRACUSE, ONONDAGA COUNTY			
FED. ROAD REG. NO.	STATE	SHEET NO.	TOTAL SHEETS
	N.Y.	1	38

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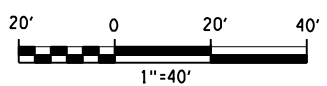
PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



KEY:

- LIMITS OF DEMOLITION

- NOTES:**
- CONTRACTOR SHALL SALVAGE APPROXIMATELY 1000 LF OF GRANITE CURB FOR REUSE AND RESETTING ALONG SOUTH STATE STREET BETWEEN STA. 14+00 AND 26+00. REMAINDER OF CURBING IN THIS SEGMENT SHALL BE DISPOSED OF AT CONTRACTOR'S EXPENSE.
 - ALL EXISTING LOCAL AND STATE TRAFFIC SIGNAGE SHALL BE REMOVED AND RESET, SEE ONONDAGA COUNTY GREEN INFRASTRUCTURE STANDARD DETAIL TU-04.
 - CONCRETE WALK PAVEMENT REMOVALS SHALL BE IN AREAS INDICATED ON PLANS TO THE NEAREST CONTROL OR EXPANSION JOINT.

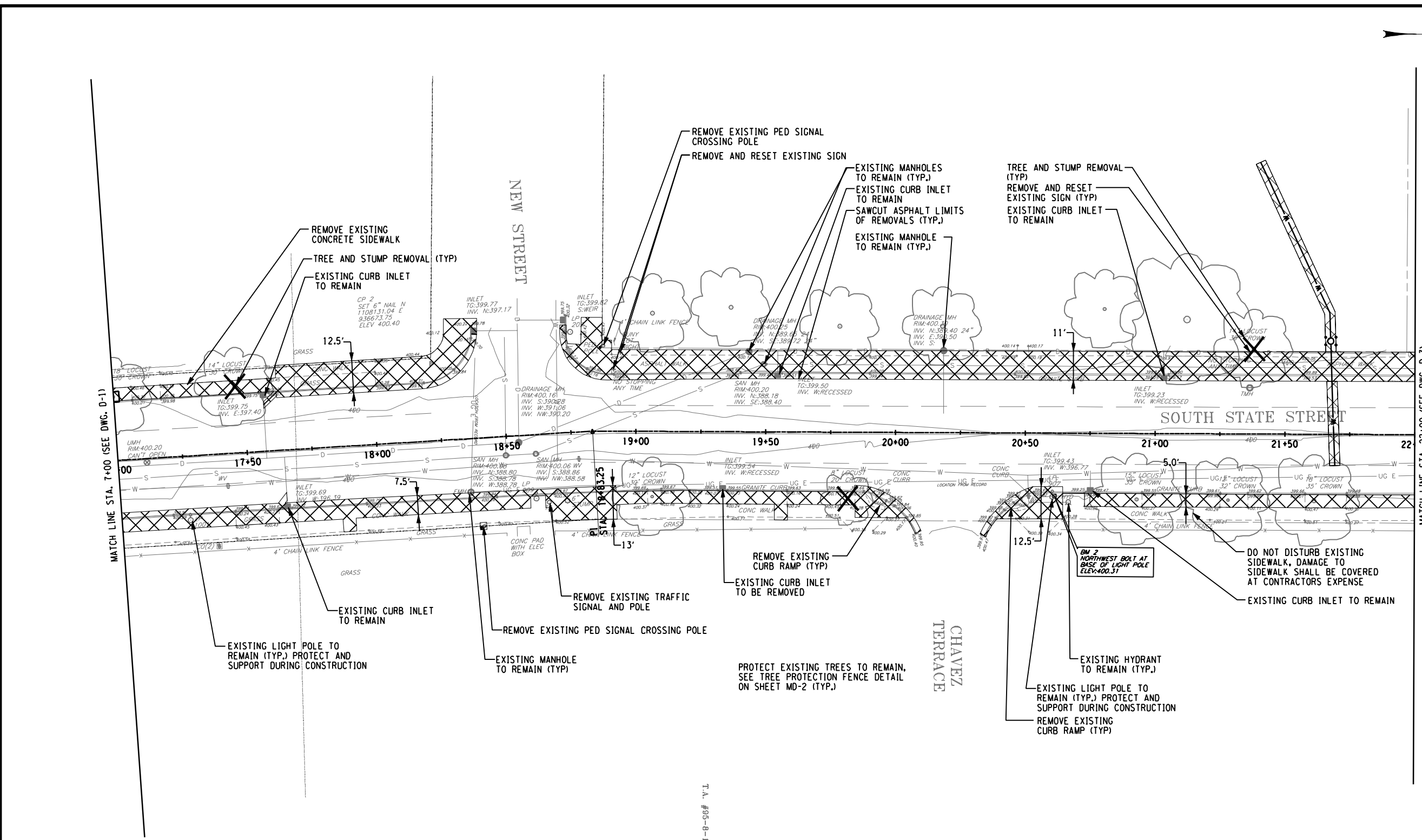


NO. DATE BY REVISION		 ONONDAGA COUNTY
 Barton & Loguidice, D.P.C.		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	
DEMOLITION PLAN		
SCALE: AS SHOWN		
DATE ISSUED: 05/2016		
DRAWING D-1		

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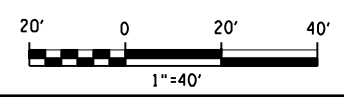


PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



KEY:
 - LIMITS OF DEMOLITION

- NOTES:**
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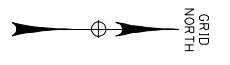
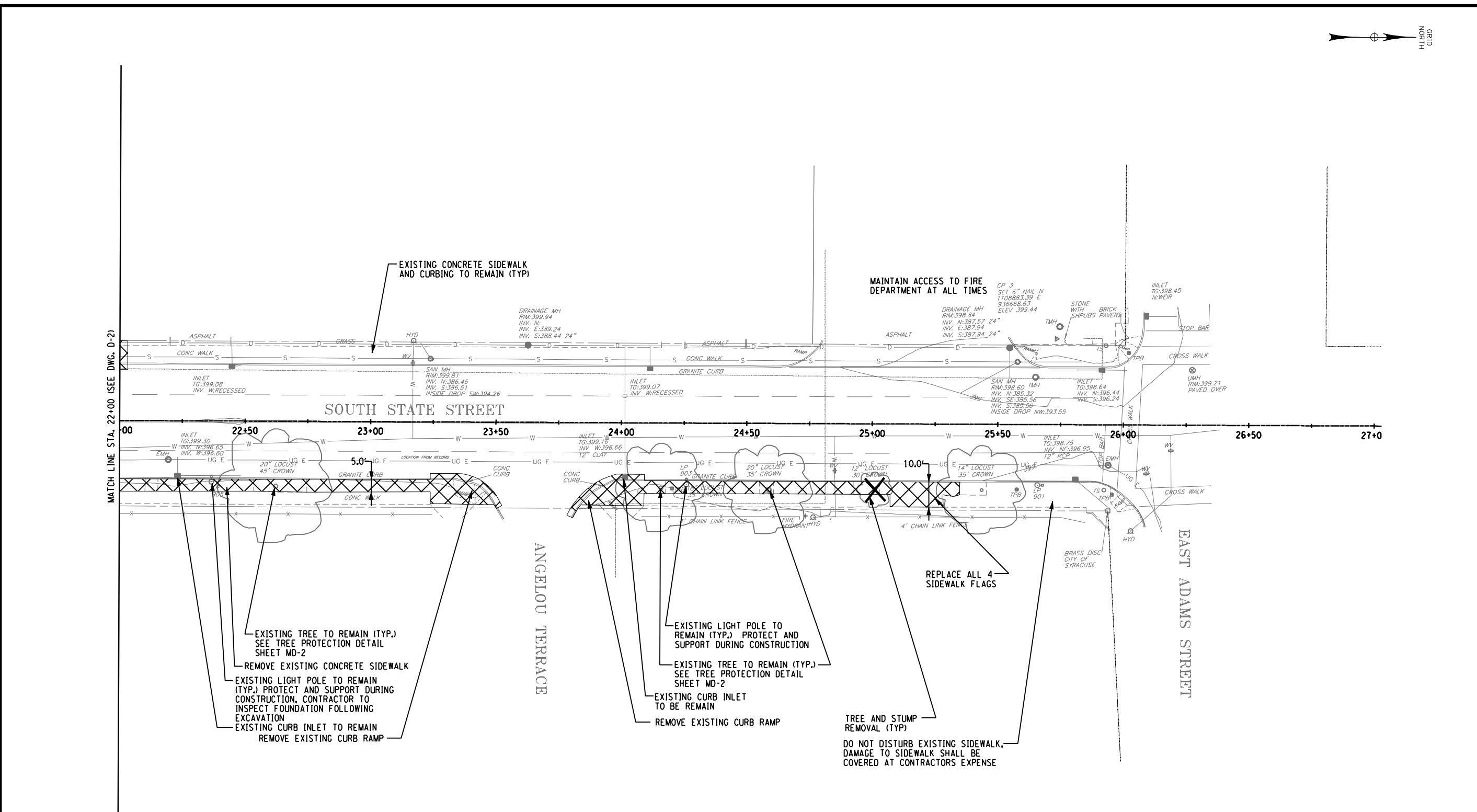


NO. DATE BY REVISION	
ONONDAGA COUNTY	
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209	
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	CITY OF SYRACUSE ONONDAGA COUNTY
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	ONONDAGA COUNTY
DEMOLITION PLAN	
SCALE: AS SHOWN	
DATE ISSUED: 05/2016	
DRAWING D-2	

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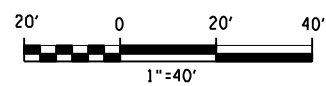




PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



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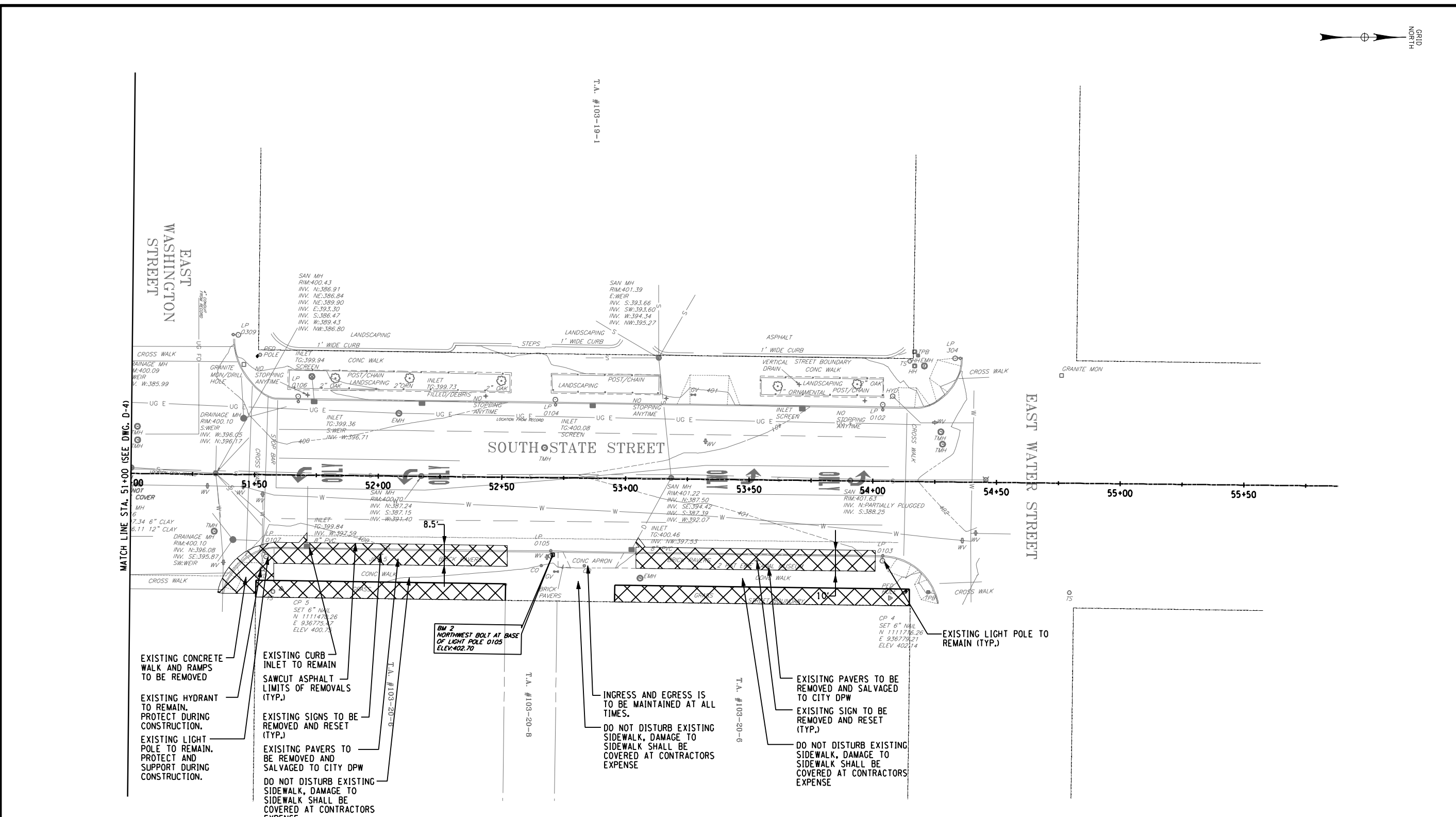


NO. DATE BY REVISION		 ONONDAGA COUNTY
 BARTON & LOGUIDICE, D.P.C.		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	
DEMOLITION PLAN		SCALE: AS SHOWN
DATE ISSUED: 05/2016		DRAWING
D-3		

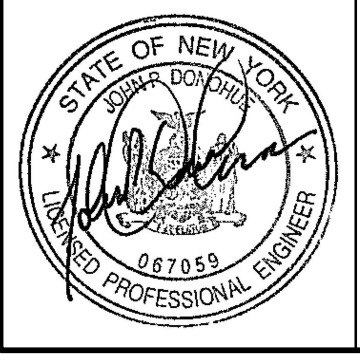
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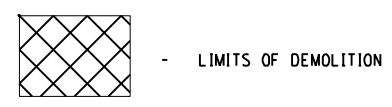
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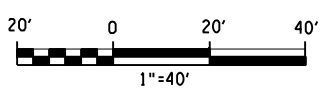
PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



KEY:



- NOTES:
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NO. DATE BY REVISION	
 ONONDAGA COUNTY	
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STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	CITY OF SYRACUSE ONONDAGA COUNTY
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	ONONDAGA COUNTY
DEMOLITION PLAN	
SCALE: AS SHOWN	
DATE ISSUED: 05/2016	
DRAWING D-5	

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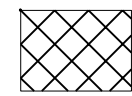
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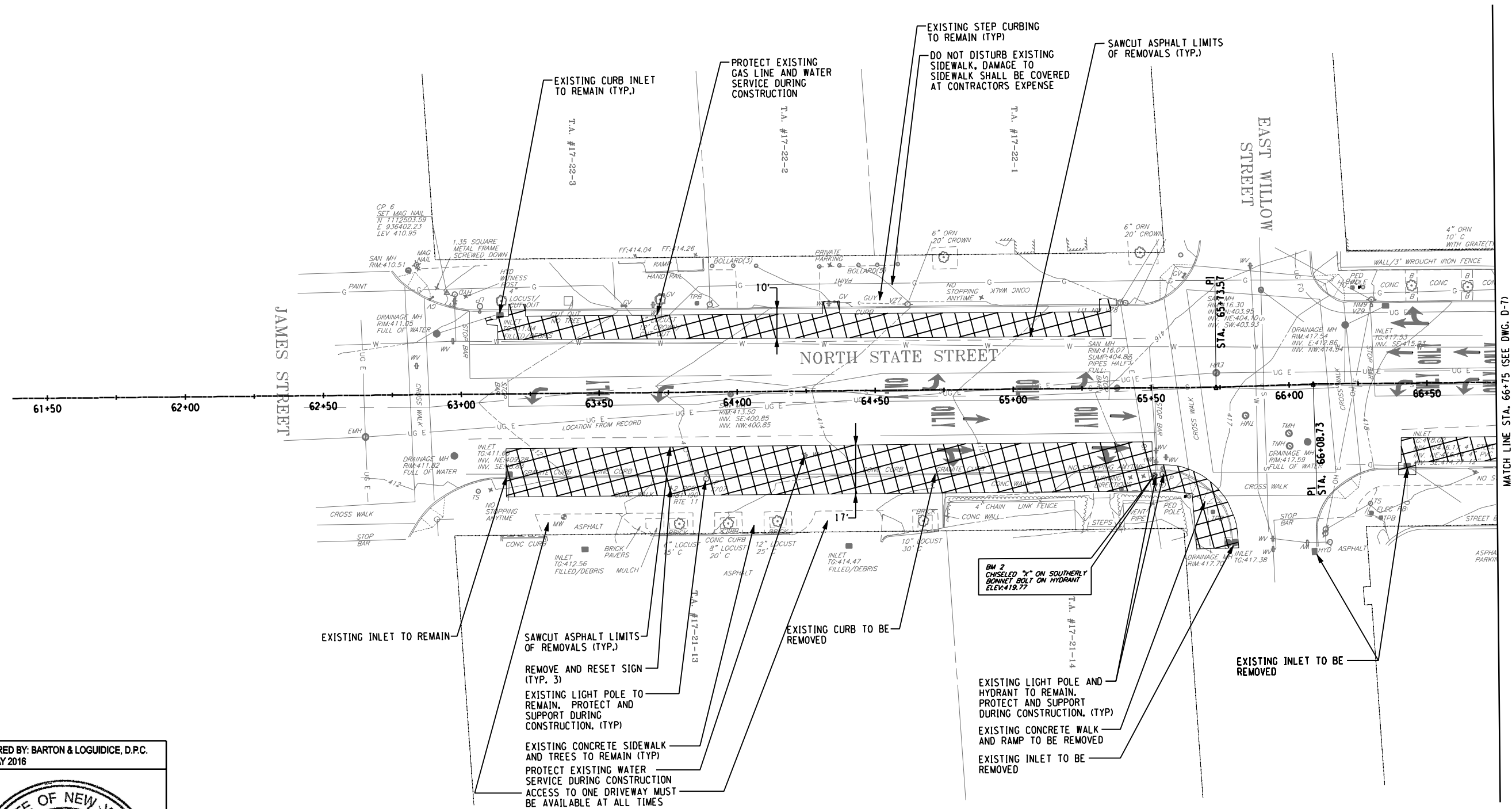
PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



KEY:

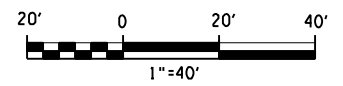




- LIMITS OF DEMOLITION



NOTES:

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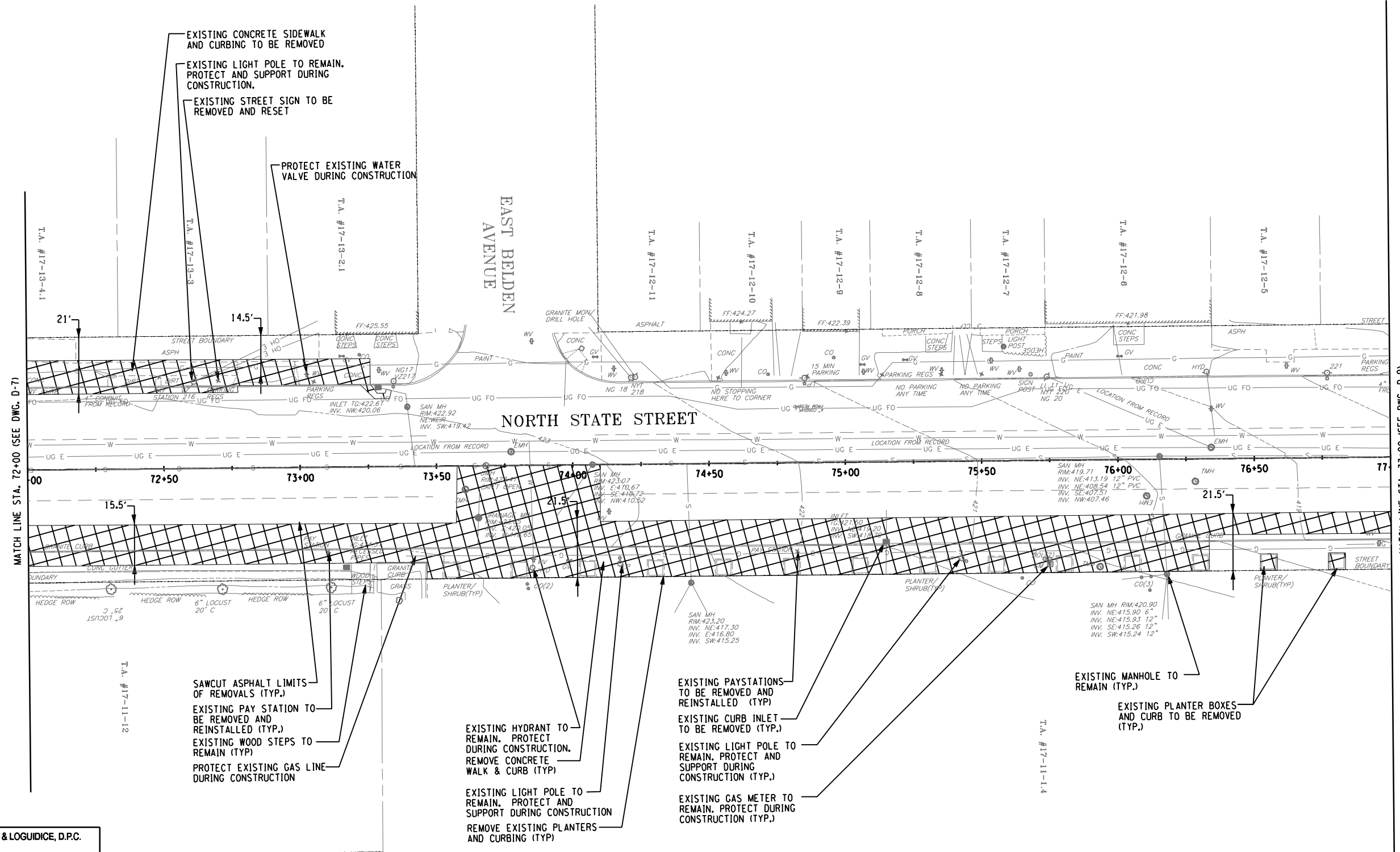
NO. DATE BY REVISION		 ONONDAGA COUNTY
 BARTON & LOGUIDICE, D.P.C.		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION CITY OF SYRACUSE ONONDAGA COUNTY		
DEMOLITION PLAN		SCALE: AS SHOWN DATE ISSUED: 05/2016 DRAWING D-6


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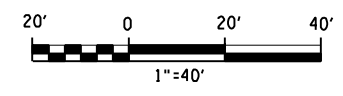
IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PUJ/KAW CHECKED BY KAW



PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

KEY:
 - LIMITS OF DEMOLITION

- NOTES:**
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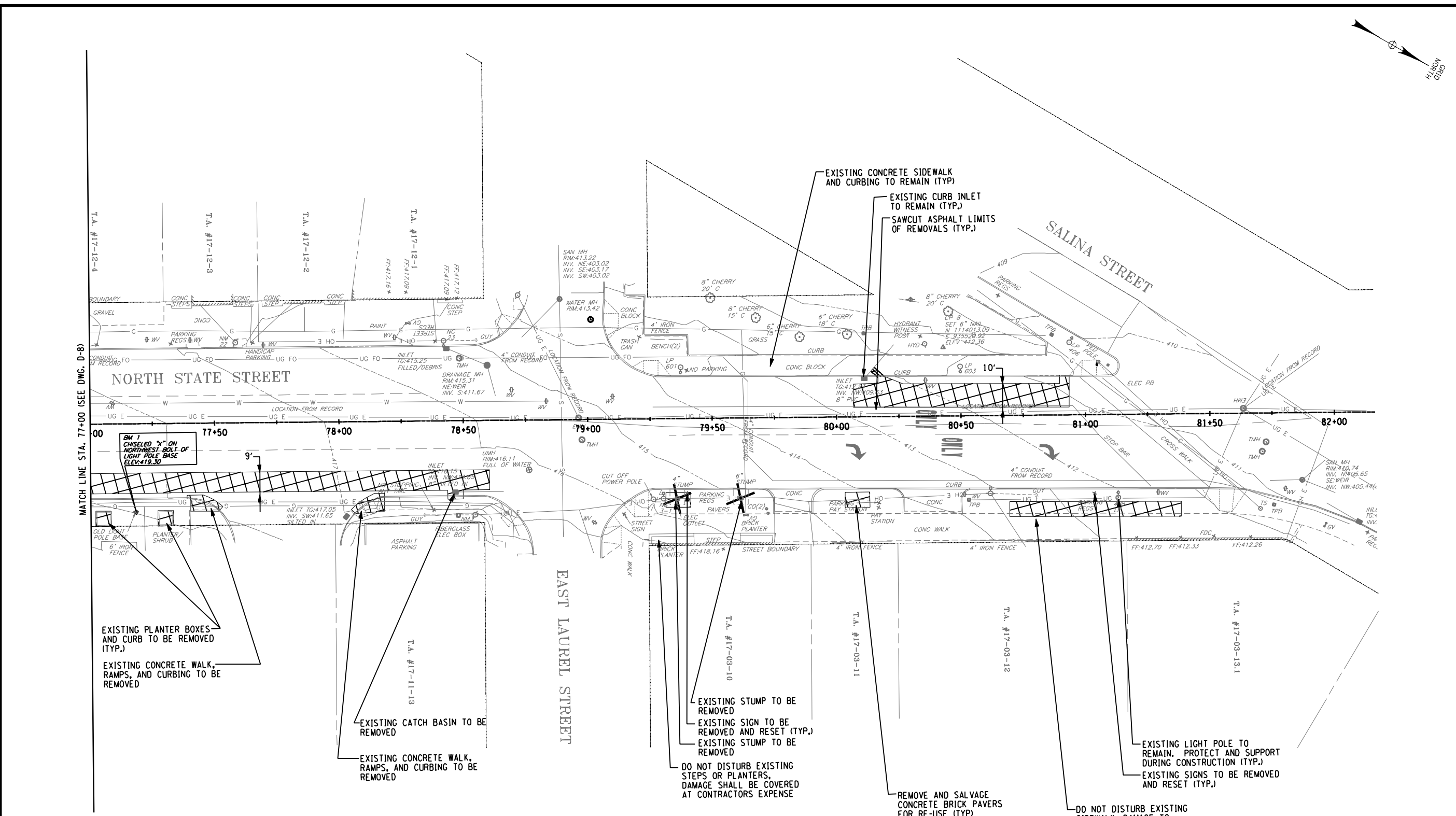


NO. DATE BY REVISION	
 ONONDAGA COUNTY	
 BARTON & LOGUIDICE, D.P.C.	
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	
CITY OF SYRACUSE ONONDAGA COUNTY	
DEMOLITION PLAN	
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DATE ISSUED: 05/2016	
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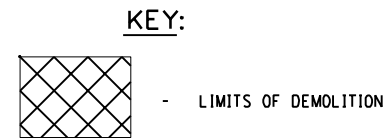
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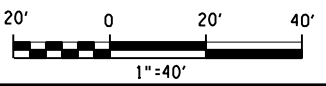
IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PUZ/KAW CHECKED BY KAW



PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



- NOTES:**
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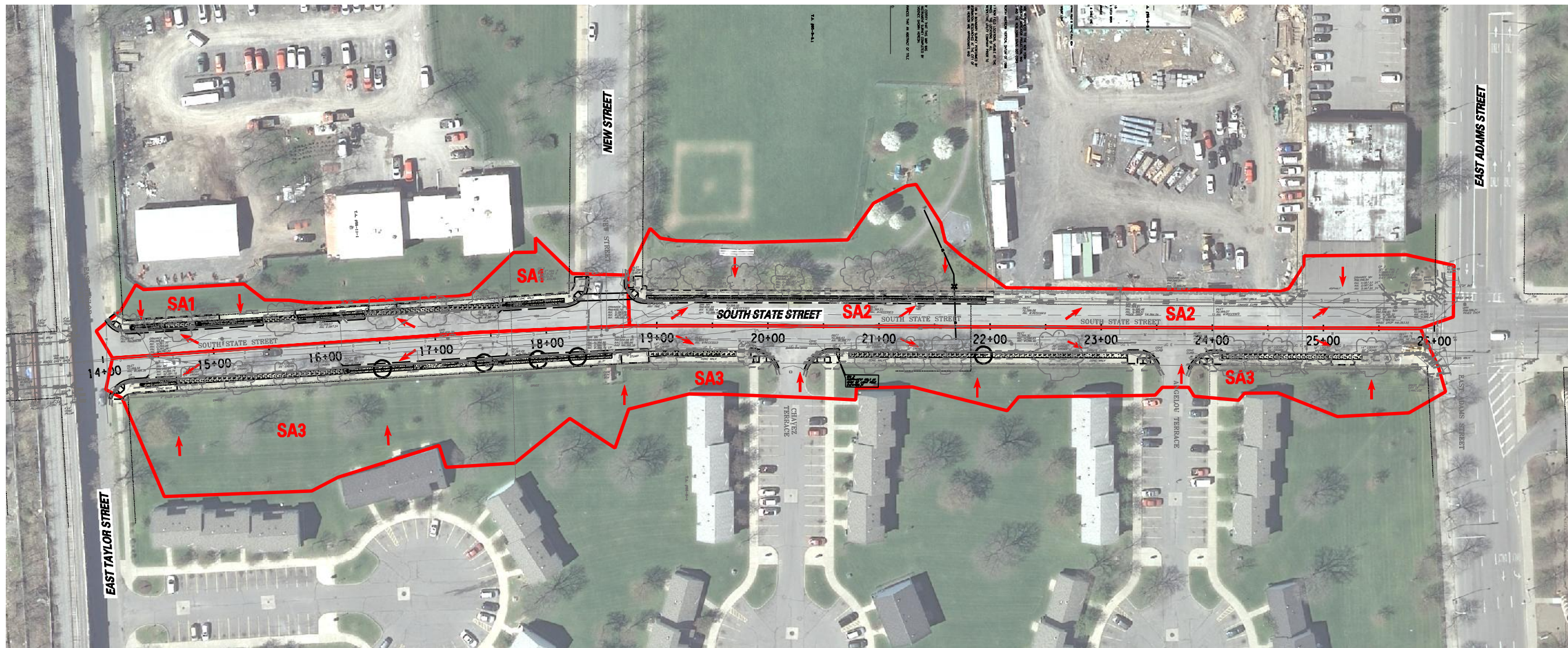


NO. DATE BY REVISION	
 ONONDAGA COUNTY	
 UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209	
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	CITY OF SYRACUSE ONONDAGA COUNTY
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	ONONDAGA COUNTY
DEMOLITION PLAN	
SCALE: AS SHOWN	
DATE ISSUED: 05/2016	
DRAWING D-9	

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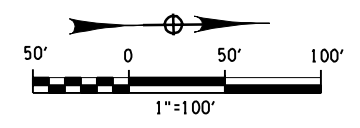
IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PJZ/KAW CHECKED BY KAW



PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

LEGEND
 DRAINAGE BASIN AREA
SA3 DRAINAGE BASIN NUMBER

DRAINAGE BASIN AREA	
SA1	0.52 AC.
SA2	1.04 AC.
SA3	2.27 AC.

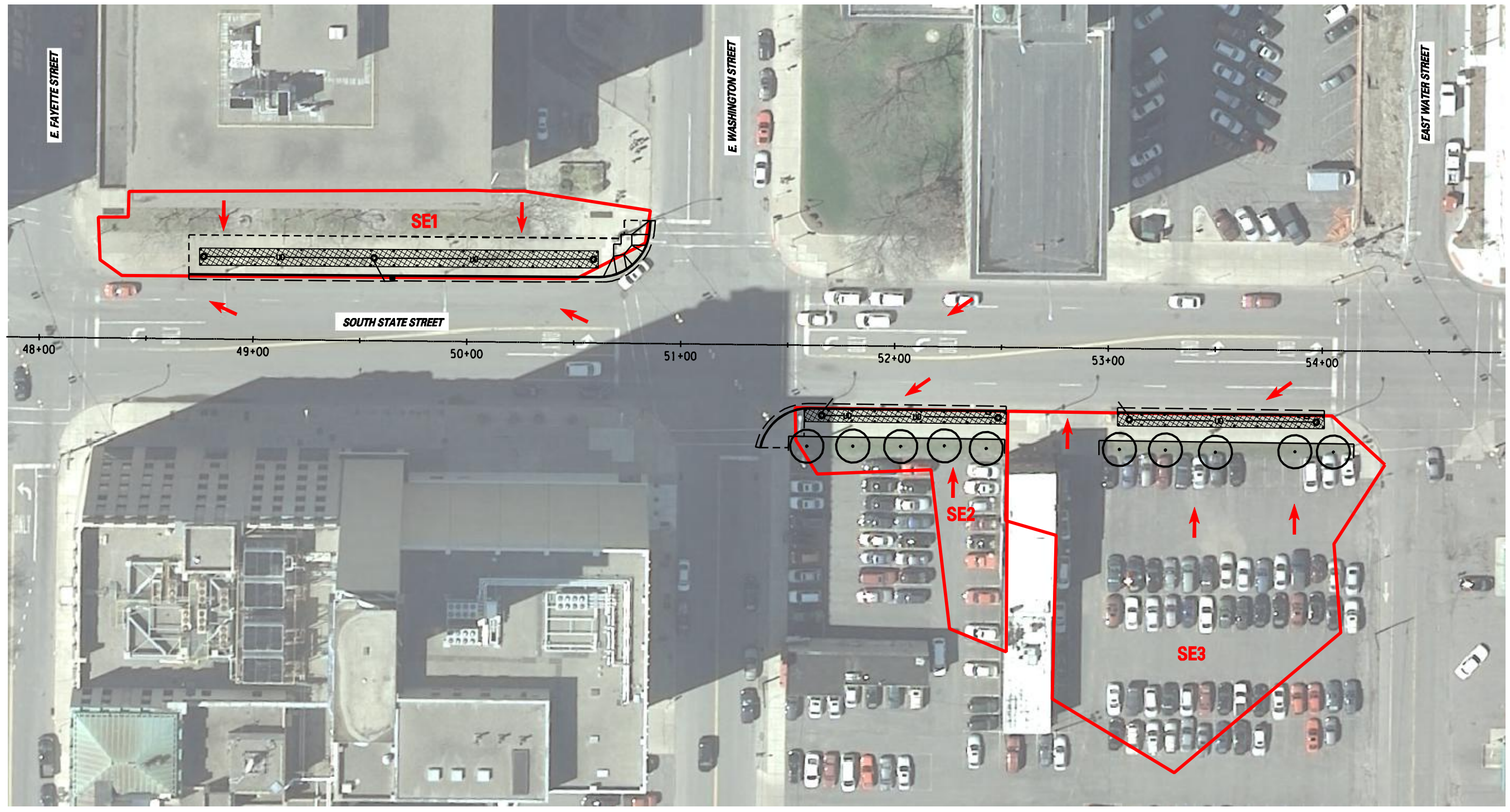


NO. DATE BY REVISION		 ONONDAGA COUNTY
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS		 UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION		
CITY OF SYRACUSE ONONDAGA COUNTY		DRAINAGE AREAS DA-1
SCALE: AS SHOWN DATE ISSUED: 05/2016		

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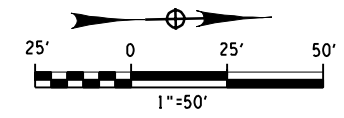


PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



LEGEND
 DRAINAGE BASIN AREA
SE3 DRAINAGE BASIN NUMBER

DRAINAGE BASIN AREA	
SE1	0.22 AC.
SE2	0.12 AC.
SE3	0.47 AC.



NO.	DATE	BY	REVISION



ONONDAGA COUNTY

Barton & Loguidice, D.P.C.

STATE STREET
 GREEN INFRASTRUCTURE IMPROVEMENTS
 ONONDAGA COUNTY DEPARTMENT OF
 WATER ENVIRONMENT PROTECTION

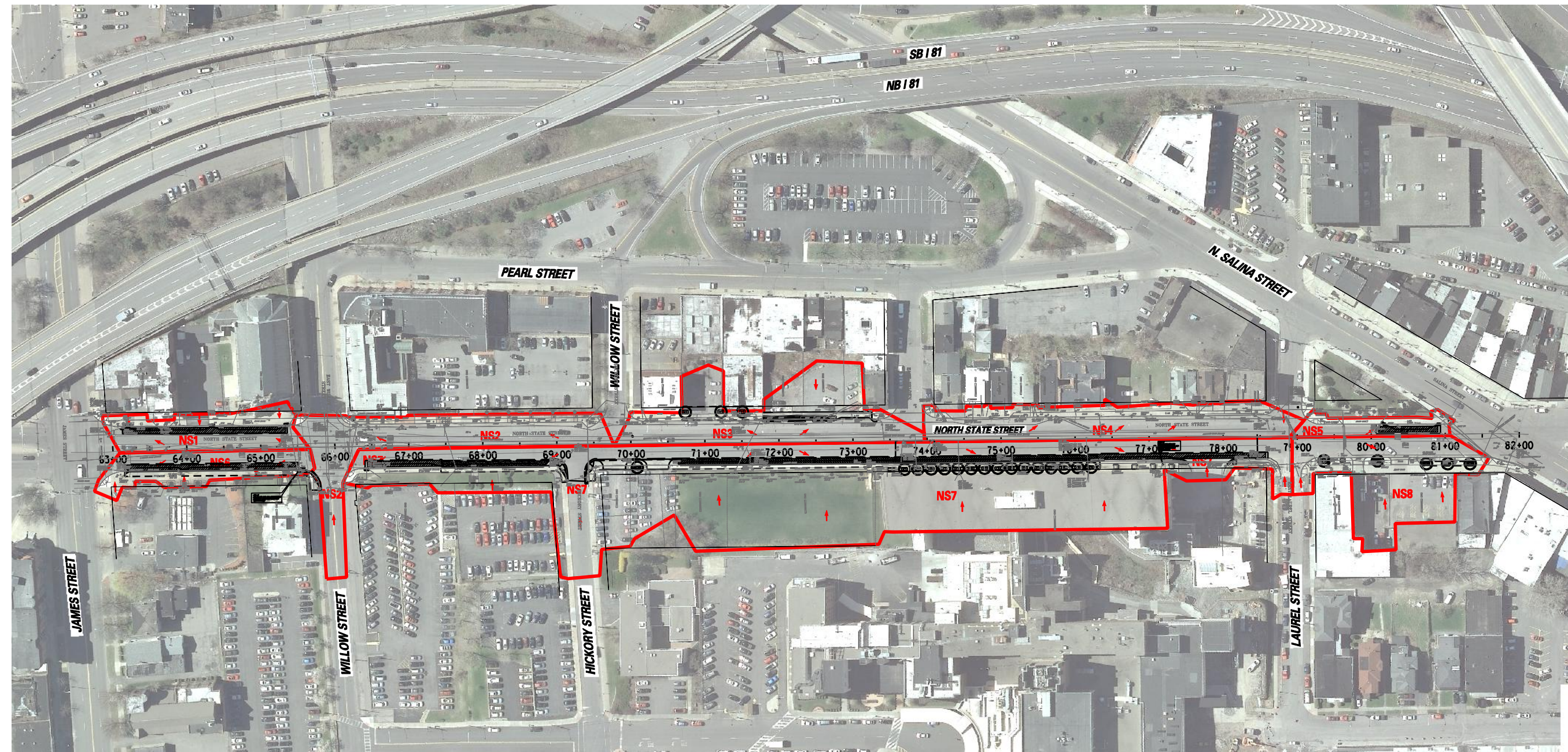
CITY OF SYRACUSE
 ONONDAGA COUNTY

DRAINAGE AREA
 SCALE: AS SHOWN
 DATE ISSUED: 05/2016
 DRAWING
 DA-2

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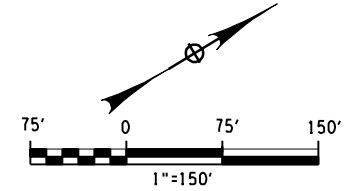


PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



LEGEND
 [Red outline] DRAINAGE BASIN AREA
NS3 DRAINAGE BASIN NUMBER

DRAINAGE BASIN AREA	
NS1	0.30 AC.
NS2	0.56 AC.
NS3	0.63 AC.
NS4	0.53 AC.
NS5	0.13 AC.
NS6	0.27 AC.
NS7	3.05 AC.
NS8	0.56 AC.



NO.	DATE	BY	REVISION



Barton & Loguidice, D.P.C.
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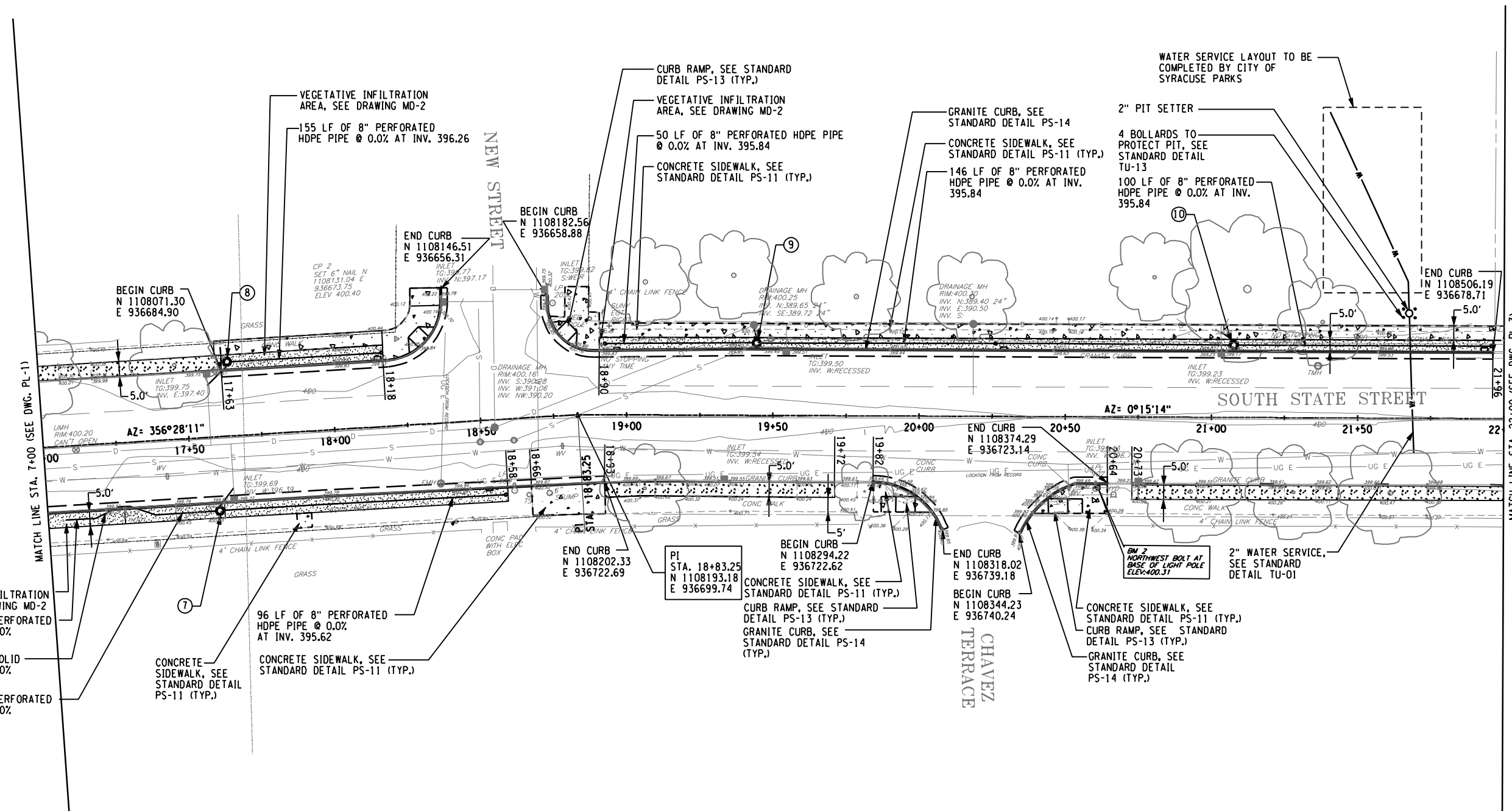
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS
 ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION
 CITY OF SYRACUSE
 ONONDAGA COUNTY

DRAINAGE AREAS
 SCALE: AS SHOWN
 DATE ISSUED: 05/2016
 DRAWING DA-3

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IN CHARGE OF JPD
 DESIGNED BY KAW
 CHECKED BY MCB
 DRAFTED BY PUZ/KAW
 CHECKED BY KAW

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

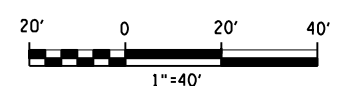


DRAINAGE STRUCTURES (DOME OUTLETS & CATCH BASINS)									
NO.	STATION	SIDE	OFFSET	SIZE	RIM ELEV.	BOTTOM ELEV.	INV. ELEV.	PIPE INSTALLATION DESCRIPTION	DETAIL NO.
7	17+59	R	25'	24"	400.02	393.62	N = 396.27 S = 396.27 W = 396.02	W (OVERFLOW CONNECTION): INSTALL 8.0' OF 8" SOLID HDPE TO EXISTING LATERAL, TOP OF WEIR AT ELEV 398.60, LOW FLOW ORIFICE AT ELEV 396.02 INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-03
8	17+65	L	25'	24"	400.01	393.62	N = 396.26 E = 396.01	E (OVERFLOW CONNECTION): INSTALL 8.0' OF 8" SOLID HDPE TO EXISTING LATERAL, TOP OF WEIR AT ELEV 398.76, LOW FLOW ORIFICE AT ELEV 396.01 INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-03
9	19+44	L	25'	24"	399.59	393.59	N = 395.84 S = 395.84 W = 395.59	W (OVERFLOW CONNECTION): INSTALL 5.0' OF 8" SOLID HDPE TO EXISTING MANHOLE, TOP OF WEIR AT ELEV 398.34, LOW FLOW ORIFICE AT ELEV 395.59 INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-03
10	21+08	L	25'	24"	399.59	393.59	N = 395.84 S = 395.84 W = 395.59	W (OVERFLOW CONNECTION): INSTALL 5.0' OF 8" SOLID HDPE TO EXISTING LATERAL, TOP OF WEIR AT ELEV 398.34, LOW FLOW ORIFICE AT ELEV 395.59 INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-03

CLEANOUTS				
NO.	STATION	SIDE	OFFSET	DETAIL NO.
6	18+17	L	25'	DR-14
7	18+57	R	25'	DR-14
8	18+92	L	25'	DR-14
9	20+26	L	25'	DR-14
10	21+96	L	25'	DR-14

LEGEND:

- VEGETATIVE INFILTRATION AREA
- UNDERGROUND INFILTRATION TRENCH
- POROUS PAVERS
- TREE TRENCH WITH PLANTER
- RECONSTRUCTED CONCRETE SIDEWALKS
- TOPSOIL AND TURF ESTABLISHMENT



16
38

NO. DATE BY REVISION

ONONDAGA COUNTY

Barton & Loguidice, D.P.C.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209

STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION CITY OF SYRACUSE ONONDAGA COUNTY

GENERAL PLAN


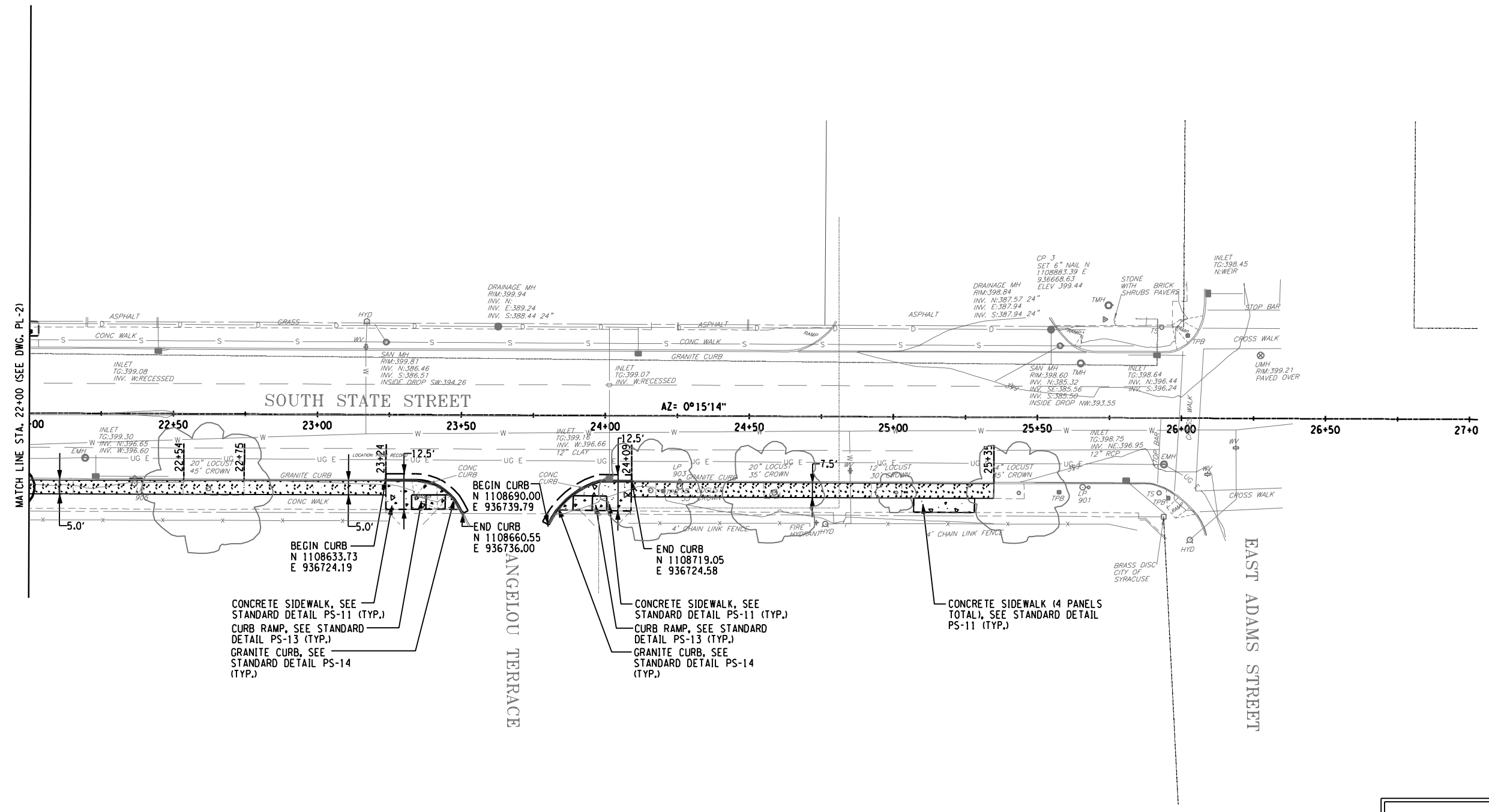
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IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PUZ/KAW CHECKED BY KAW

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

CONCRETE SIDEWALK, SEE STANDARD DETAIL PS-11 (TYP.)
 CURB RAMP, SEE STANDARD DETAIL PS-13 (TYP.)
 GRANITE CURB, SEE STANDARD DETAIL PS-14 (TYP.)

BEGIN CURB
 N 1108633.73
 E 936724.19







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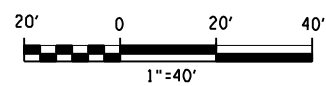
BEGIN CURB
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 E 936739.79

END CURB
 N 1108719.05
 E 936724.58

CONCRETE SIDEWALK (4 PANELS TOTAL), SEE STANDARD DETAIL PS-11 (TYP.)

LEGEND:

-  VEGETATIVE INFILTRATION AREA
-  UNDERGROUND INFILTRATION TRENCH
-  POROUS PAVERS
-  TREE TRENCH WITH PLANTER
-  RECONSTRUCTED CONCRETE SIDEWALKS
-  TOPSOIL AND TURF ESTABLISHMENT



NO.	DATE	BY	REVISION



Barton & Loguidice, D.P.C.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 SECTION 7209

STATE STREET
 GREEN INFRASTRUCTURE IMPROVEMENTS
 ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION
 CITY OF SYRACUSE
 ONONDAGA COUNTY


GENERAL PLAN
 SCALE: AS SHOWN
 DATE ISSUED: 05/2016
 DRAWING PL-3

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IN CHARGE OF JPD
 DESIGNED BY KAW
 CHECKED BY MCB
 DRAFTED BY PJZ/KAW
 CHECKED BY KAW

PLZ
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





PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

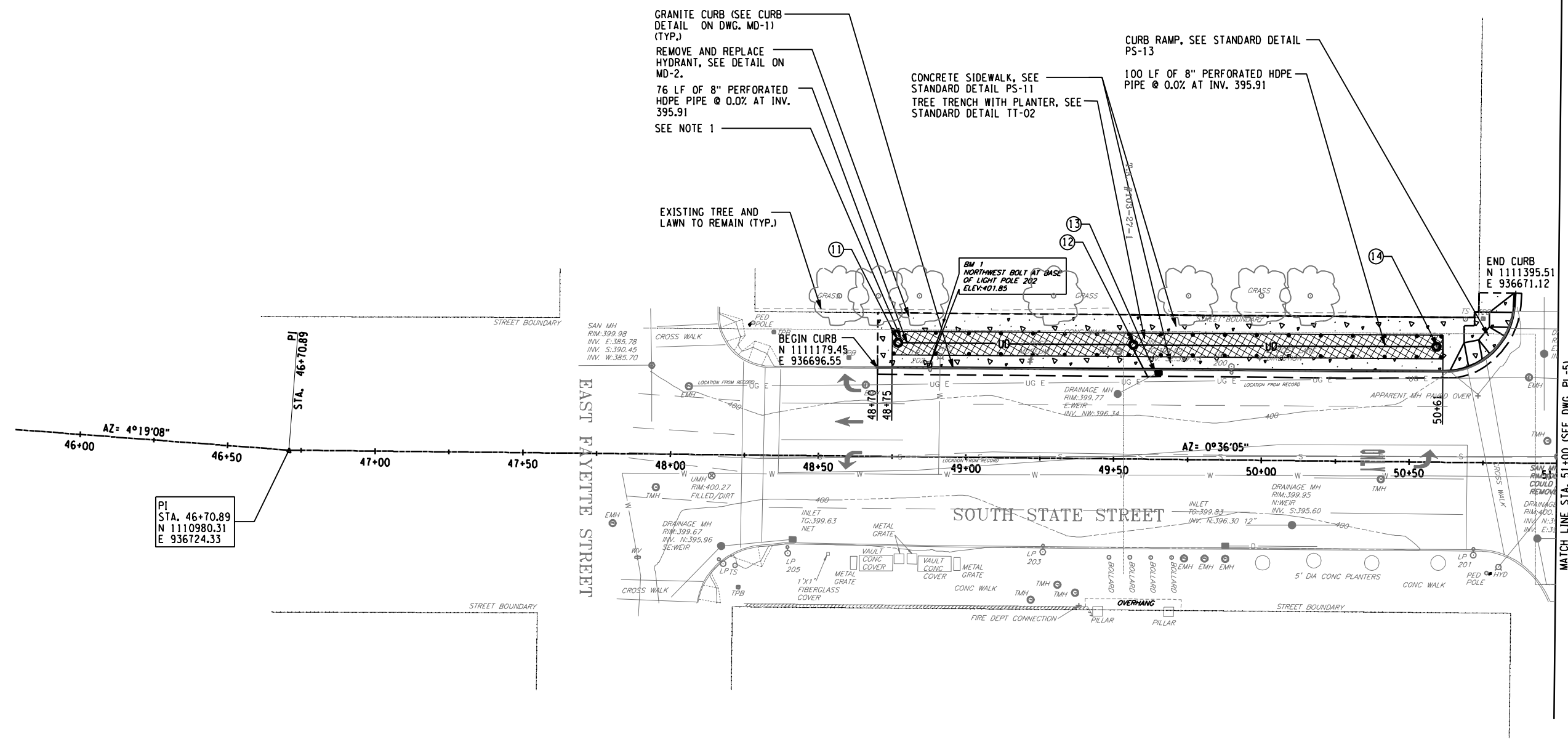
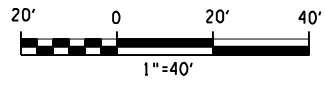




CONTRACTOR IS TO VERIFY LOCATION OF EXISTING VERIZON DUCT BANK PRIOR TO COMMENCEMENT OF WORK.

DRAINAGE STRUCTURES (DOME OUTLETS & CATCH BASINS)									
NO.	STATION	SIDE	OFFSET	SIZE/TYPE	RIM ELEV.	BOTTOM ELEV.	INV. ELEV.	PIPE INSTALLATION DESCRIPTION	DETAIL NO.
11	48+77	L	38'	12"	399.66	393.91	N = 395.91		DR-01
12	49+56	L	38'	24"	399.66	393.08	N = 395.91 S = 395.91 E = 395.66	E (OVERFLOW CONNECTION): INSTALL 15.0' OF 8" SOLID HDPE PIPE TO EXISTING MANHOLE AT ELEV 395.44, TOP OF WEIR AT ELEV 398.42, SLOW RELEASE ORIFICE AT ELEV 395.66, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-03
13	49+65	L	29'	A	399.52	395.39	SE = 397.43		DR-04
14	50+59	L	38'	12"	399.66	393.91	S = 395.91		DR-01

LEGEND:

-  VEGETATIVE INFILTRATION AREA
-  UNDERGROUND INFILTRATION TRENCH
-  POROUS PAVERS
-  TREE TRENCH WITH PLANTER
-  RECONSTRUCTED CONCRETE SIDEWALKS
-  TOPSOIL AND TURF ESTABLISHMENT

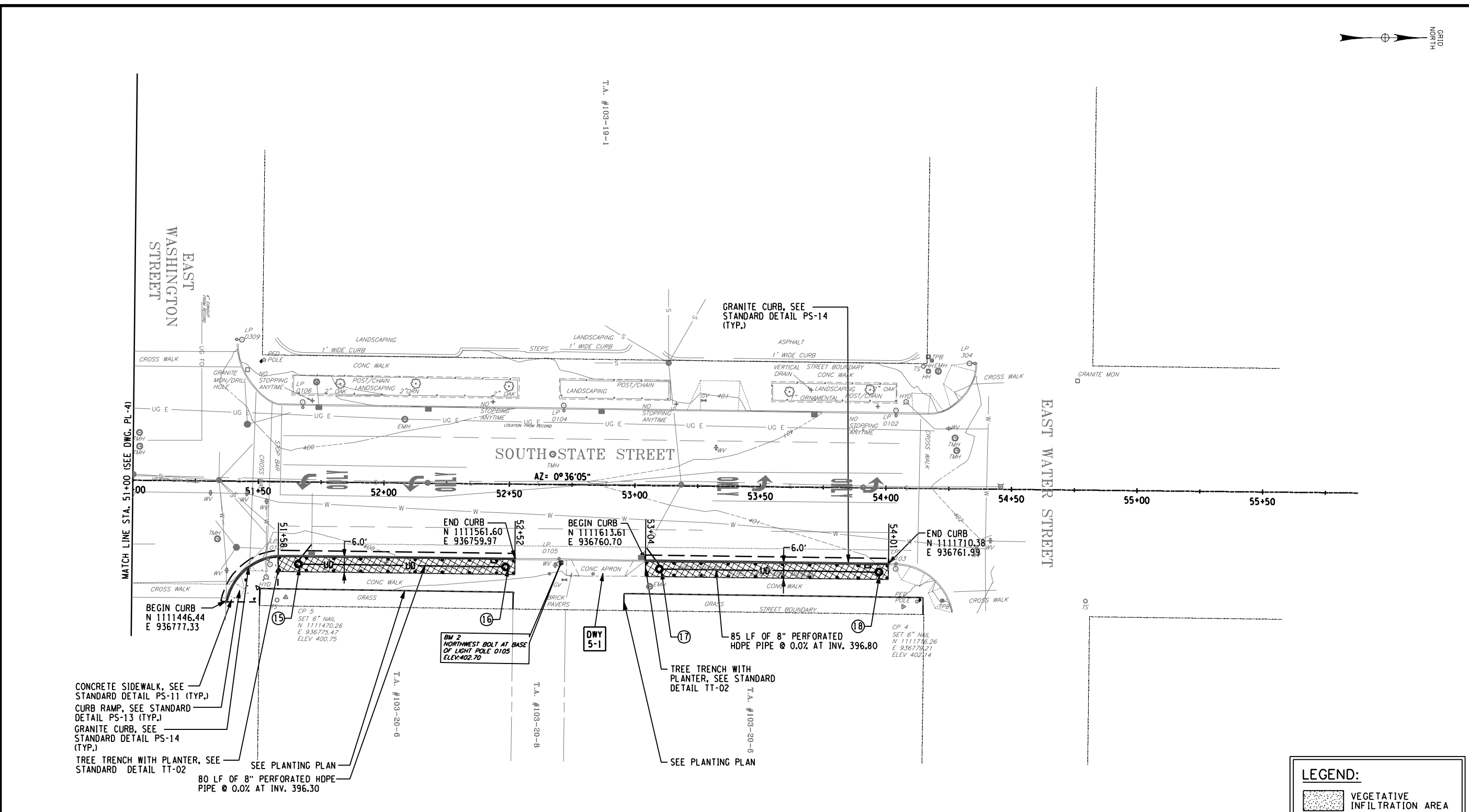


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NO. DATE BY REVISION							
							
ONONDAGA COUNTY							
							
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209							
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS		ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION		CITY OF SYRACUSE ONONDAGA COUNTY			
GENERAL PLAN							
SCALE: AS SHOWN							
DATE ISSUED: 05/2016							
DRAWING PL-4							

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IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PUZ/KAW CHECKED BY KAW

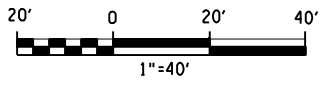


PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

DRAINAGE STRUCTURES (DOME OUTLETS & CATCH BASINS)									
NO.	STATION	SIDE	OFFSET	SIZE/TYPE	RIM ELEV.	BOTTOM ELEV.	INV. ELEV.	PIPE INSTALLATION DESCRIPTION	DETAIL NO.
15	51+66	R	33'	24"	400.05	394.05	N = 396.30 W = 396.05	W (OVERFLOW CONNECTION): INSTALL 8.0' OF 8" SOLID HDPE PIPE TO EXISTING 8" PVC LATERAL, TOP OF WEIR AT ELEV 398.80, LOW FLOW ORIFICE AT ELEV 396.05, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-03
16	52+49	R	33'	12"	400.05	394.05	S = 396.30		DR-01
17	53+10	R	35'	24"	400.55	394.80	N = 396.80 W = 396.80	W (OVERFLOW CONNECTION): INSTALL 9.0' OF 8" SOLID HDPE PIPE @ 4.7% TO EXISTING LATERAL AT ELEV 397.23+, TOP OF WEIR AT ELEV 398.42, LOW FLOW ORIFICE AT ELEV 396.80, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-03
18	53+97	R	34'	12"	400.55	394.80	S = 396.80	S: CONNECT TO PROP 8" PERF HDPE UNDERDRAIN PIPE	DR-01

LEGEND:

- VEGETATIVE INFILTRATION AREA
- UNDERGROUND INFILTRATION TRENCH
- POROUS PAVERS
- TREE TRENCH WITH PLANTER
- RECONSTRUCTED CONCRETE SIDEWALKS
- TOPSOIL AND TURF ESTABLISHMENT



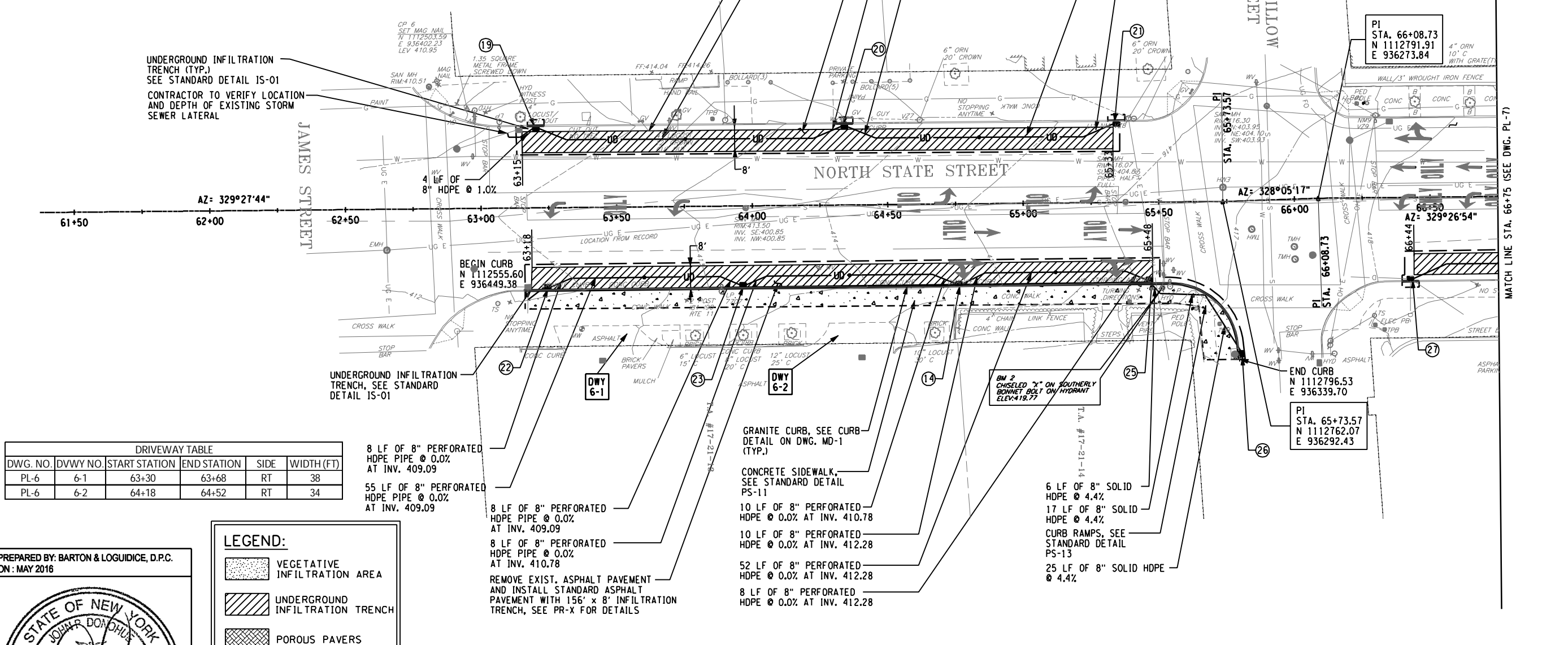
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NO. DATE BY REVISION					
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION CITY OF SYRACUSE ONONDAGA COUNTY					
GENERAL PLAN					
SCALE: AS SHOWN					
DATE ISSUED: 05/2016					
DRAWING					
PL-5					

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IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PUZ/KAW CHECKED BY KAW

DRAINAGE STRUCTURES (DOME OUTLETS & CATCH BASINS)									
NO.	STATION	SIDE	OFFSET	SIZE/TYPE	RIM ELEV.	BOTTOM ELEV.	INV. ELEV.	PIPE INSTALLATION DESCRIPTION	DETAIL NO.
19	63+13	L	29'	T	411.07	406.35	SE = 408.35 SW = 408.45	E (OVERFLOW CONNECTION): INSTALL 12" OF 8" SOLID HDPE PIPE TO EXISTING LATERAL. INSTALL WEIR AT ELEV. 409.86, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
20	64+35	L	29'	A	413.38	406.46	NW = 410.75 SE = 408.45		DR-04
21	65+35	L	29'	A	415.45	408.75	SE = 410.75		DR-04
22	63+24	R	28'	T	411.76	406.99	E = 408.99 W = 409.09	E (OVERFLOW CONNECTION): INSTALL 8" OF 8" SOLID HDPE PIPE @ 6.5% TO EXISTING LATERAL, TOP OF WEIR AT ELEV. 410.55, SLOW RELEASE ORIFICE AT ELEV 408.99, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
23	63+96	R	28'	A	413.18	407.09	E = 409.09 W = 410.78		DR-04
24	64+76	R	28'	A	415.45	408.78	E = 410.78		DR-04
25	65+47	R	28'	A	415.63	410.28	N = 412.78 SE = 412.28		DR-04
26	65+80	R	56'	T	417.38	410.38	NE=UNKNOWN SE=UNKNOWN N = 416.17 NE = 416.14 NW = 414.34 SE = 414.77		DR-05
27	66+43	R	28'	T	418.14	412.35		SE (OVERFLOW CONNECTION): INSTALL WEIR AT ELEV 416.89, SLOW RELEASE ORIFICE AT ELEV 414.77, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05



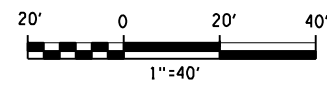
DRIVEWAY TABLE					
DWG. NO.	DVWY NO.	START STATION	END STATION	SIDE	WIDTH (FT)
PL-6	6-1	63+30	63+68	RT	38
PL-6	6-2	64+18	64+52	RT	34

LEGEND:

- VEGETATIVE INFILTRATION AREA
- UNDERGROUND INFILTRATION TRENCH
- POROUS PAVERS
- TREE TRENCH WITH PLANTER
- RECONSTRUCTED CONCRETE SIDEWALKS
- TOPSOIL AND TURF ESTABLISHMENT

CLEANOUTS				
NO.	STATION	SIDE	OFFSET	DETAIL NO.
11	63+60	RT	26'	DR-14
12	63+76	LT	25'	DR-14
13	64+36	RT	26'	DR-14
14	64+84	LT	25'	DR-14
15	65+12	RT	26'	DR-14

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

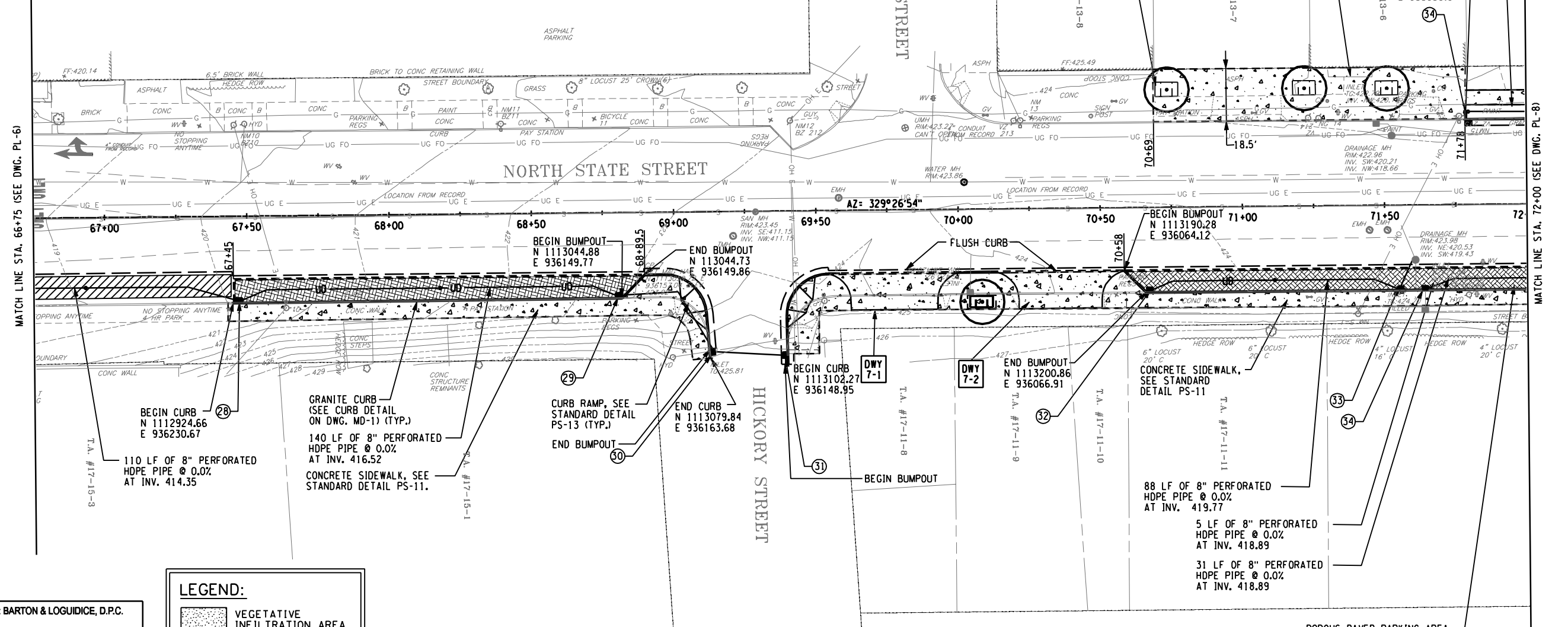


20	38
ONONDAGA COUNTY	
	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION
CITY OF SYRACUSE ONONDAGA COUNTY	
GENERAL PLAN	
SCALE: AS SHOWN DATE ISSUED: 05/2016 DRAWING	
PL-6	

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IN CHARGE OF JPD
 DESIGNED BY KAW
 CHECKED BY MCB
 DRAFTED BY PUZ/KAW
 CHECKED BY KAW

DRAINAGE STRUCTURES (DOME OUTLETS & CATCH BASINS)									
NO.	STATION	SIDE	OFFSET	SIZE/TYPE	RIM ELEV.	BOTTOM ELEV.	INV. ELEV.	PIPE INSTALLATION DESCRIPTION	DETAIL NO.
28	67+46	R	28'	A	419.96	412.15	NW = 416.52 SE = 414.35		DR-04
29	68+80	R	28'	T	422.83	414.52	S = 416.52 W = 417.00		DR-05
30	69+13	R	50'	T	425.81	420.56	NW = 422.81 S = 422.56		DR-05
31	69+39	R	50'	T	426.25	424.25	SE = 421.25		
32	70+67	R	28'	A	424.01	419.28	SW = 421.28		DR-04
33	71+55	R	28'	T	423.83	417.67	SE = 419.77 SW = 419.67	SW (OVERFLOW CONNECTION): INSTALL 10' OF 8" SOLID HDPE PIPE @ 6.5% TO EXISTING MANHOLE AT ELEV 419.02. TOP OF WEIR AT ELEV 422.53, SLOW RELEASE ORIFICE AT ELEV 419.67, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
34	71+64	R	28'	T	423.98	416.89	NE = 420.53 NW = 418.89 SW = 419.43		DR-05



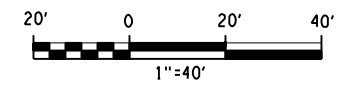
LEGEND:

- VEGETATIVE INFILTRATION AREA
- UNDERGROUND INFILTRATION TRENCH
- POROUS PAVERS
- TREE TRENCH WITH PLANTER
- RECONSTRUCTED CONCRETE SIDEWALKS
- TOPSOIL AND TURF ESTABLISHMENT

CLEANOUTS				
NO.	STATION	SIDE	OFFSET	DETAIL NO.
16	66+93	RT	25'	DR-14
17	68+18	RT	25'	DR-14
18	71+11	RT	26'	DR-14
19	71+69	RT	26'	DR-14
20	71+80	LT	33'	DR-14

DRIVEWAY TABLE					
DWG. NO.	DVWY NO.	START STATION	END STATION	SIDE	WIDTH (FT)
PL-7	7-1	69+52	70+03	RT	51
PL-7	7-2	70+11	70+59	RT	48

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



21 38
 ONONDAGA COUNTY
 Barton & Loguidice, D.P.C.
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION CITY OF SYRACUSE ONONDAGA COUNTY
GENERAL PLAN SCALE: AS SHOWN DATE ISSUED: 05/2016 DRAWING PL-7


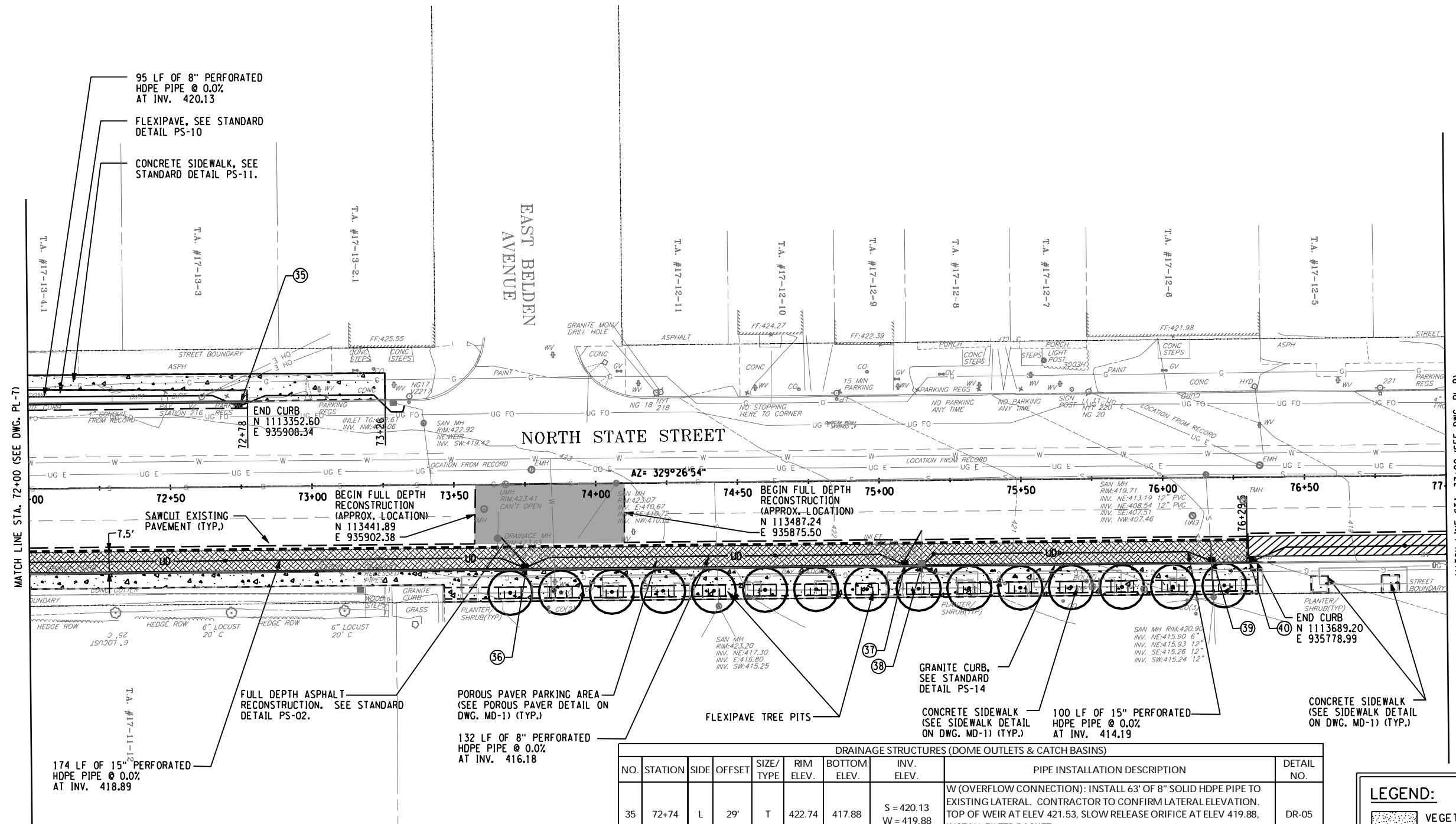
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PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

CLEANOUTS				
NO.	STATION	SIDE	OFFSET	DETAIL NO.
21	72+69	R	26'	DR-14
22	74+63	R	26'	DR-14
23	75+63	R	26'	DR-14
24	76+30	R	25'	DR-14
25	76+85	R	25'	DR-14

DRAINAGE STRUCTURES (DOME OUTLETS & CATCH BASINS)									
NO.	STATION	SIDE	OFFSET	SIZE/TYPE	RIM ELEV.	BOTTOM ELEV.	INV. ELEV.	PIPE INSTALLATION DESCRIPTION	DETAIL NO.
35	72+74	L	29'	T	422.74	417.88	S = 420.13 W = 419.88	W (OVERFLOW CONNECTION): INSTALL 63" OF 8" SOLID HDPE PIPE TO EXISTING LATERAL. CONTRACTOR TO CONFIRM LATERAL ELEVATION. TOP OF WEIR AT ELEV 421.53, SLOW RELEASE ORIFICE AT ELEV 419.88, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
36	73+75	R	28'	T	423.36	416.30	SW = 418.89 NW = 416.18	S (OVERFLOW CONNECTION): INSTALL 13' OF 8" SOLID HDPE PIPE @ 6.5% TO EXISTING MANHOLE AT ELEV 417.65, TOP OF WEIR AT ELEV 422.70, SLOW RELEASE ORIFICE AT ELEV 418.30, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
37	75+08	R	28'	T	421.46	414.08	S = 416.08 SE = 416.18	S (OVERFLOW CONNECTION): INSTALL 12' OF 8" SOLID HDPE TO EXISTING LATERAL. CONTRACTOR TO CONFIRM LATERAL ELEVATION. TOP OF WEIR AT ELEV 420.25, SLOW RELEASE ORIFICE AT ELEV 416.08, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
38	75+15	R	28'	A	421.31	412.19	NE = 419.20 NW = 414.19	INSTALL TYPE T CATCH BASIN TO ACCEPT EXISTING PIPES. SW (OVERFLOW CONNECTION): INSTALL 6" OF 12" SOLID HDPE PIPE, CONNECT TO EXISTING PIPE WITH PROPOSED FLEXIBLE COUPLING. TOP OF WEIR AT ELEV 418.43, SLOW RELEASE ORIFICE AT ELEV 414.19, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
39	76+17	R	28'	T	419.64	412.19	NE = 414.69 SE = 414.19 SW = 414.56	INSTALL TYPE T CATCH BASIN TO ACCEPT EXISTING PIPES. SW (OVERFLOW CONNECTION): INSTALL 6" OF 12" SOLID HDPE PIPE, CONNECT TO EXISTING PIPE WITH PROPOSED FLEXIBLE COUPLING. TOP OF WEIR AT ELEV 418.43, SLOW RELEASE ORIFICE AT ELEV 414.19, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
40	76+31	R	28'	A	419.60	412.14	NW = 414.14	INSTALL TYPE T CATCH BASIN TO ACCEPT EXISTING PIPES. SW (OVERFLOW CONNECTION): INSTALL 6" OF 12" SOLID HDPE PIPE, CONNECT TO EXISTING PIPE WITH PROPOSED FLEXIBLE COUPLING. TOP OF WEIR AT ELEV 418.43, SLOW RELEASE ORIFICE AT ELEV 414.19, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-04


LEGEND:

- VEGETATIVE INFILTRATION AREA
- UNDERGROUND INFILTRATION TRENCH
- POROUS PAVERS
- TREE TRENCH WITH PLANTER
- RECONSTRUCTED CONCRETE SIDEWALKS
- TOPSOIL AND TURF ESTABLISHMENT

20' 0 20' 40'
1"=40'

NO.	DATE	BY	REVISION

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ONONDAGA COUNTY

Barton & Loguidice, D.P.C.

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STATE STREET	GREEN INFRASTRUCTURE IMPROVEMENTS
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	
CITY OF SYRACUSE	ONONDAGA COUNTY

GENERAL PLAN


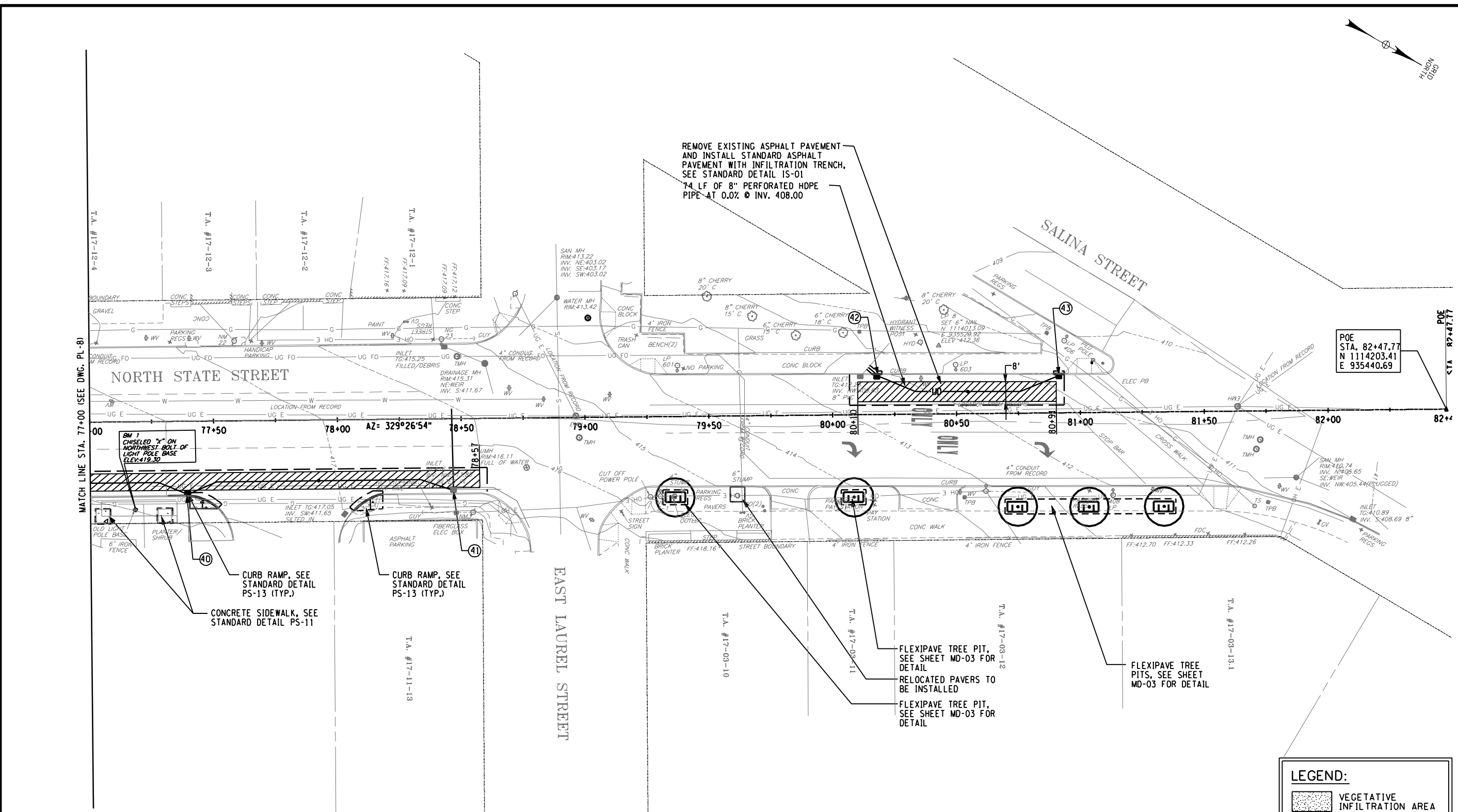
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IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PUZ/KAW CHECKED BY KAW

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

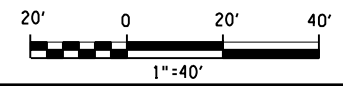



CLEANOUTS

NO.	STATION	SIDE	OFFSET	DETAIL NO.
26	78+19	R	24'	DR-14
27	80+55	L	9'	DR-14


DRAINAGE STRUCTURES (DOME OUTLETS & CATCH BASINS)

NO.	STATION	SIDE	OFFSET	SIZE/TYPE	RIM ELEV.	BOTTOM ELEV.	INV. ELEV.	PIPE INSTALLATION DESCRIPTION	DETAIL NO.
40	77+38	R	28'	A	417.85	410.50	NW = 412.50 SE = 414.14		DR-04
41	78+47	R	28'	T	416.19	410.25	W = 412.25 SE = 412.50	W (OVERFLOW CONNECTION): INSTALL 32' OF 8" SOLID HDPE PIPE TO EXISTING CSO PIPE, TOP OF WEIR AT ELEV 415.45, SLOW RELEASE ORIFICE AT ELEV 412.25, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
42	80+18	L	15'	T	412.11	406.00	S = 407.75 NW = 408.00	S (OVERFLOW CONNECTION): INSTALL 5' OF 8" SOLID HDPE PIPE @ 6.5% TO EXISTING LATERAL, TOP OF WEIR AT ELEV 410.90, SLOW RELEASE ORIFICE AT ELEV 407.75, INSTALL FILTER BASKET INSTALL ANTI-SEEP COLLAR WHERE PIPE LEAVES INFILTRATION BED	DR-05
43	80+97	R	28'	A	412.21	406.00	SE = 408.00		DR-04



23
38

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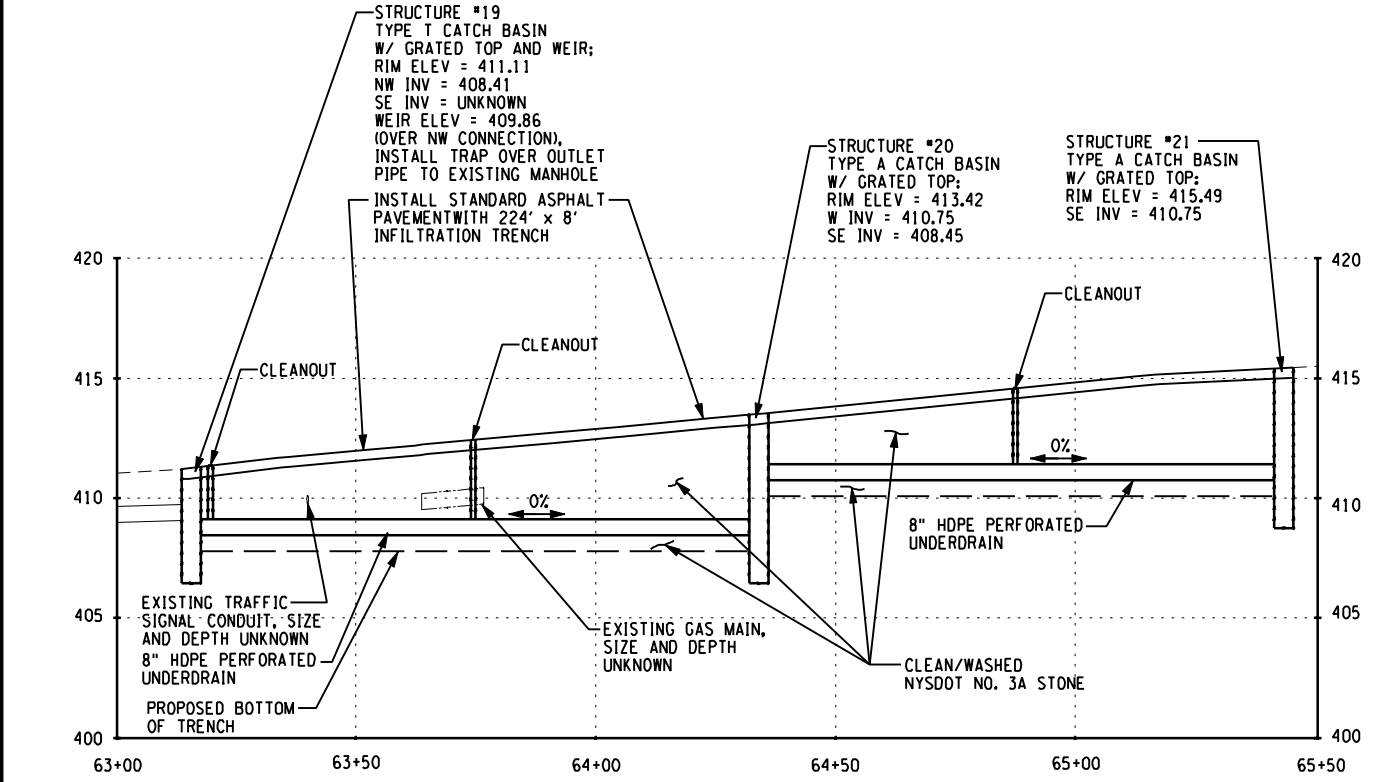
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS
 ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION
 CITY OF SYRACUSE ONONDAGA COUNTY

GENERAL PLAN
 SCALE: AS SHOWN
 DATE ISSUED: 05/2016
 DRAWING PL-9

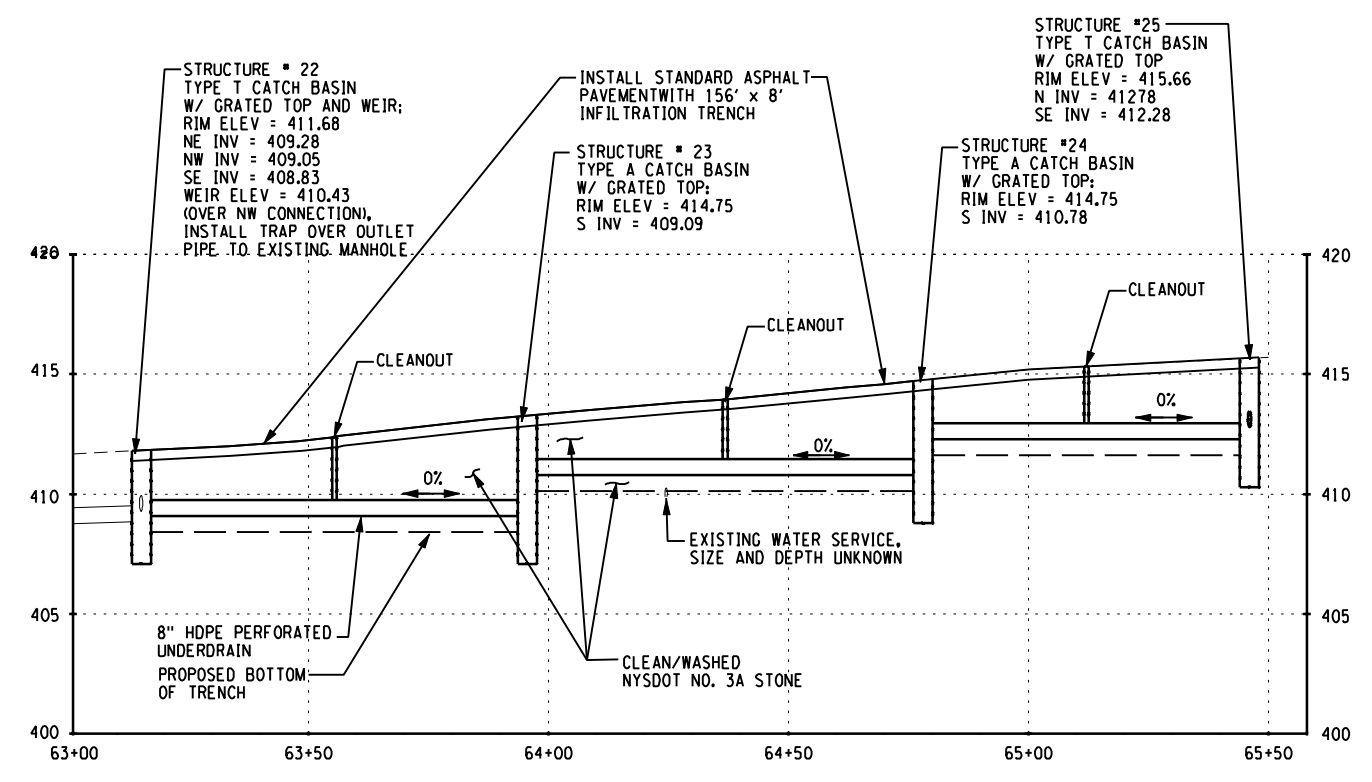
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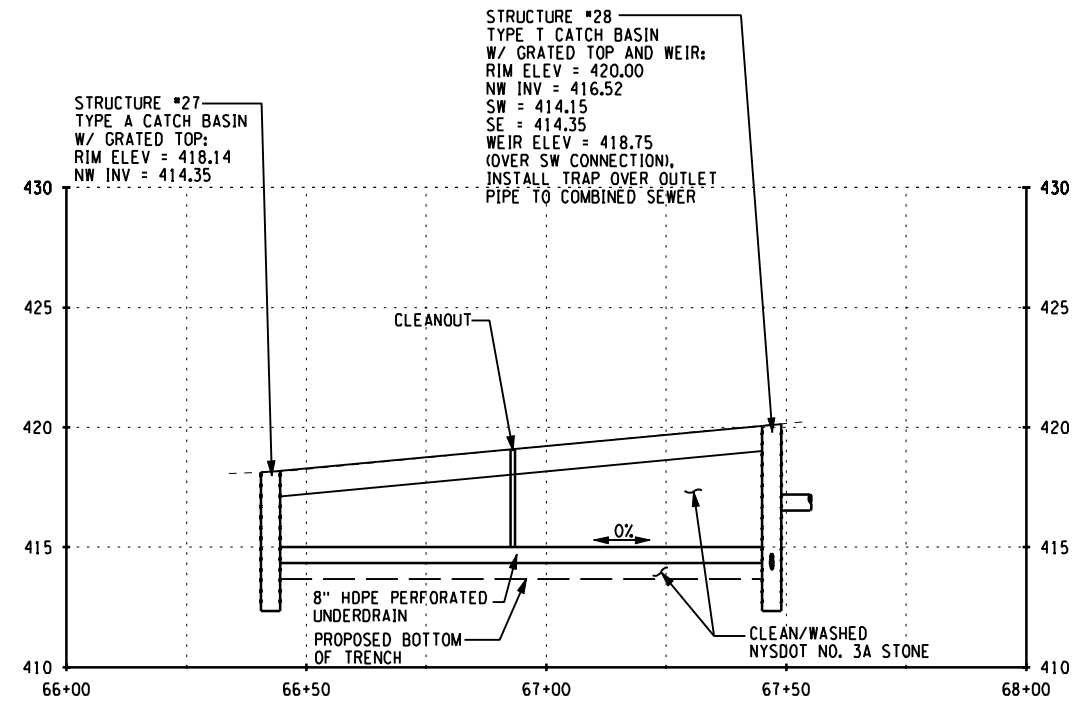
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 DRAFTED BY PJZ/KAW
 CHECKED BY KAW



INFILTRATION TRENCH PROFILE
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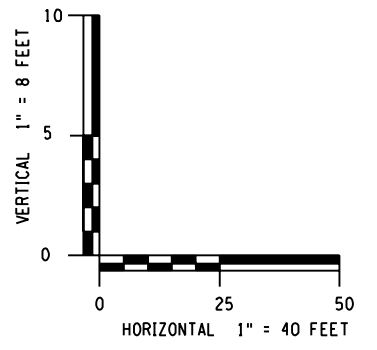


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 STA. 63+10.00 TO STA. 65+58.00; RT.



INFILTRATION TRENCH PROFILE
 STA. 66+43.89 TO STA. 67+44.38; RT.

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 ON: MAY 2016

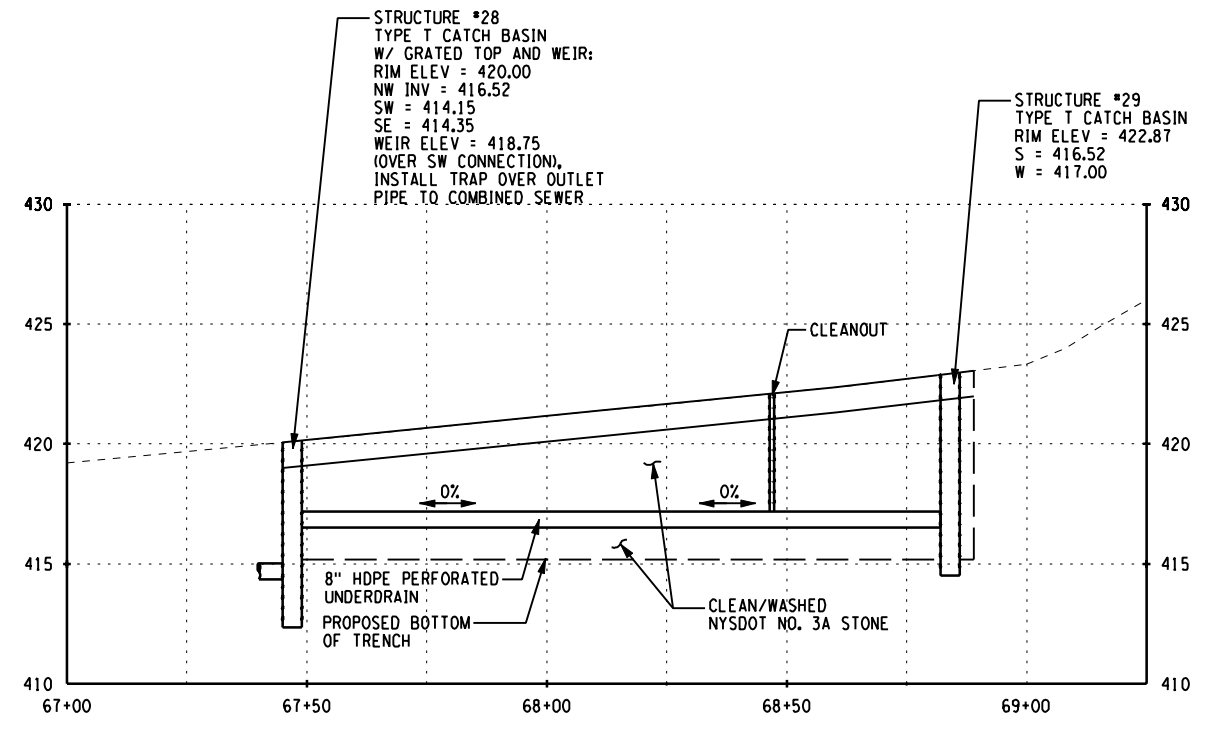


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		ONONDAGA COUNTY	
STATE STREET		GREEN INFRASTRUCTURE IMPROVEMENTS	
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209	
CITY OF SYRACUSE		ONONDAGA COUNTY	
INFILTRATION TRENCH PROFILES			
SCALE: AS SHOWN			
DATE ISSUED: 05/2016			
DRAWING PR-1			

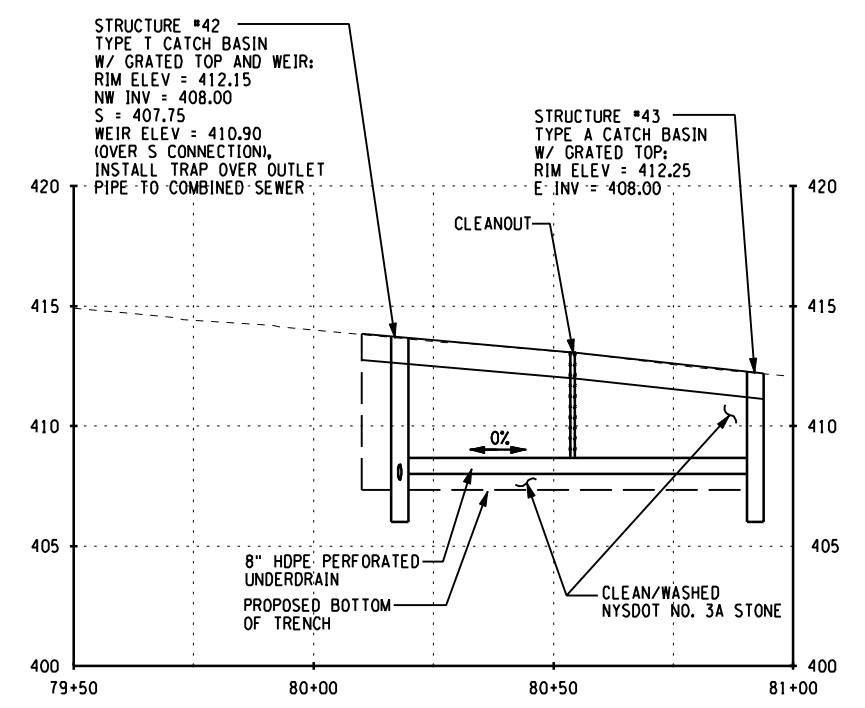
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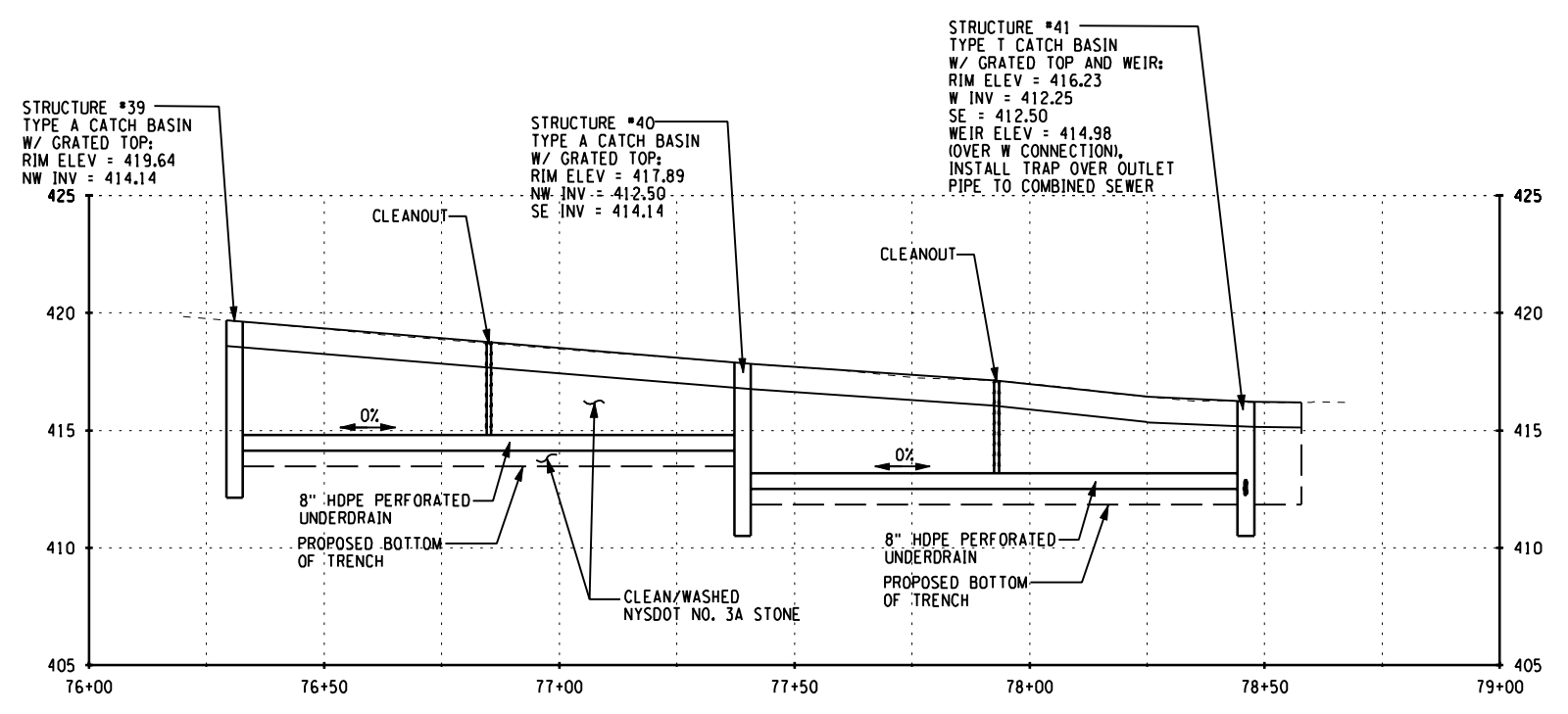
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 CHECKED BY MCB
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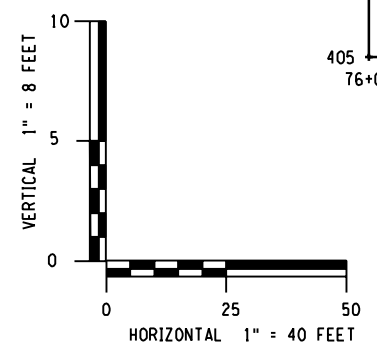


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 STA. 80+10.00 TO STA. 80+91.00; LT.



INFILTRATION TRENCH PROFILE
 STA. 76+20.00 TO STA. 78+57.25; RT.

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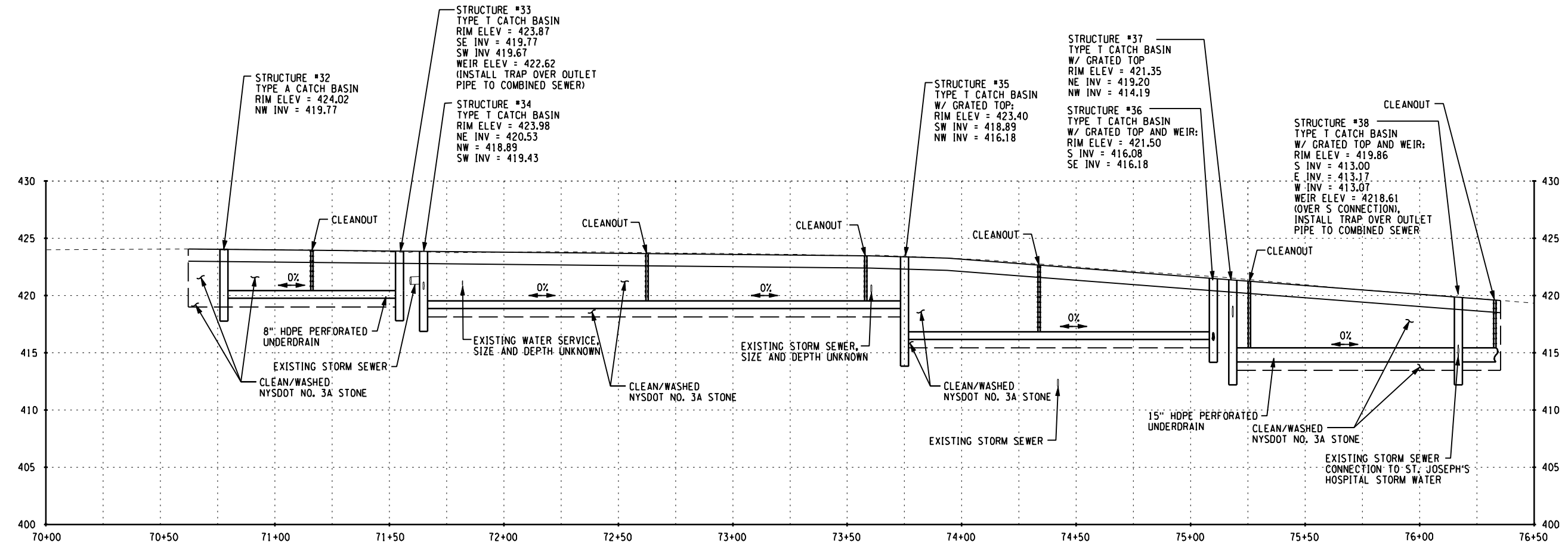
STATE STREET
 GREEN INFRASTRUCTURE IMPROVEMENTS
 ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION
 CITY OF SYRACUSE
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INFILTRATION TRENCH PROFILES
 SCALE: AS SHOWN
 DATE ISSUED: 05/2016
 DRAWING PR-2

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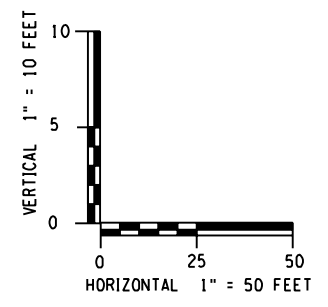
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IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PJZ/KAW CHECKED BY KAW



INFILTRATION TRENCH PROFILE
 STA. 70+00.00 TO STA. 76+50.00; RT.

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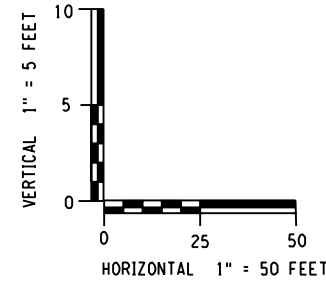
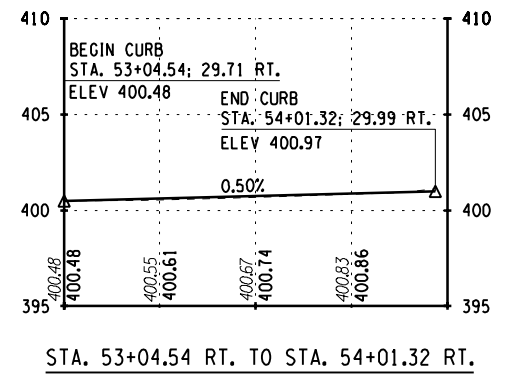
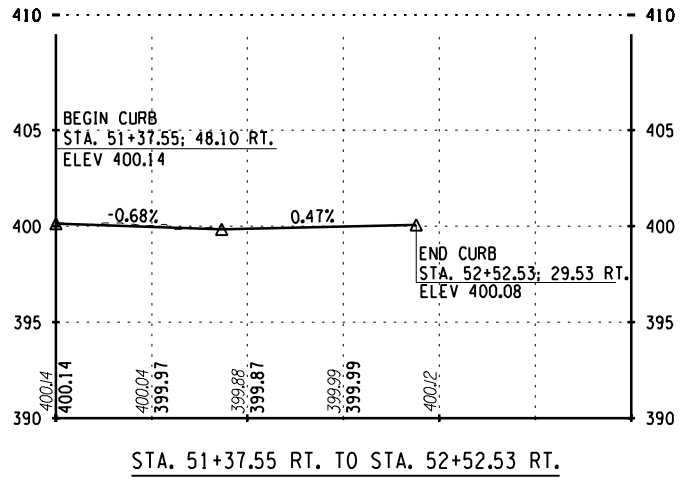
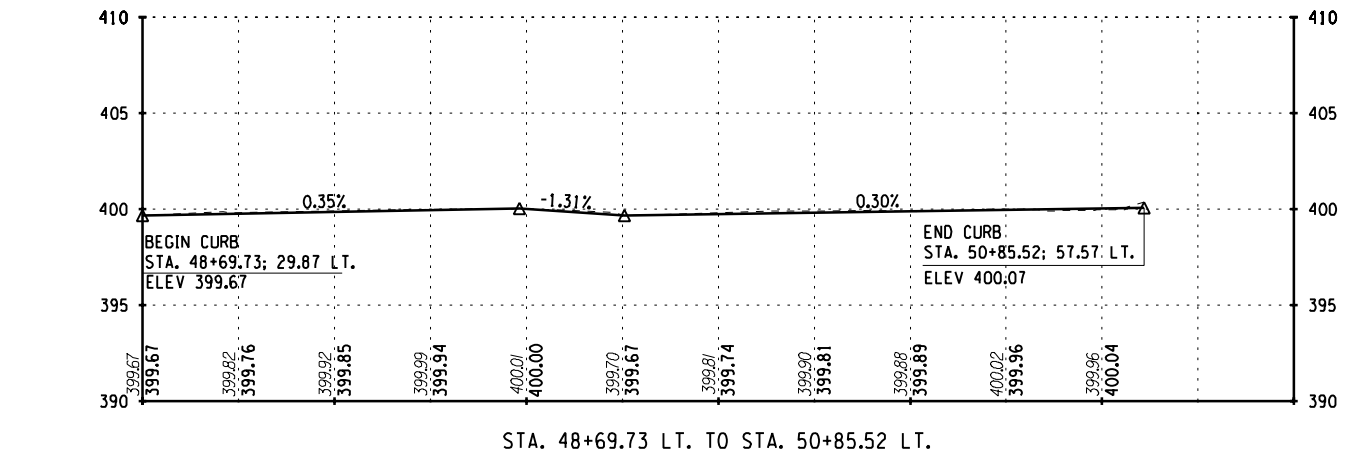
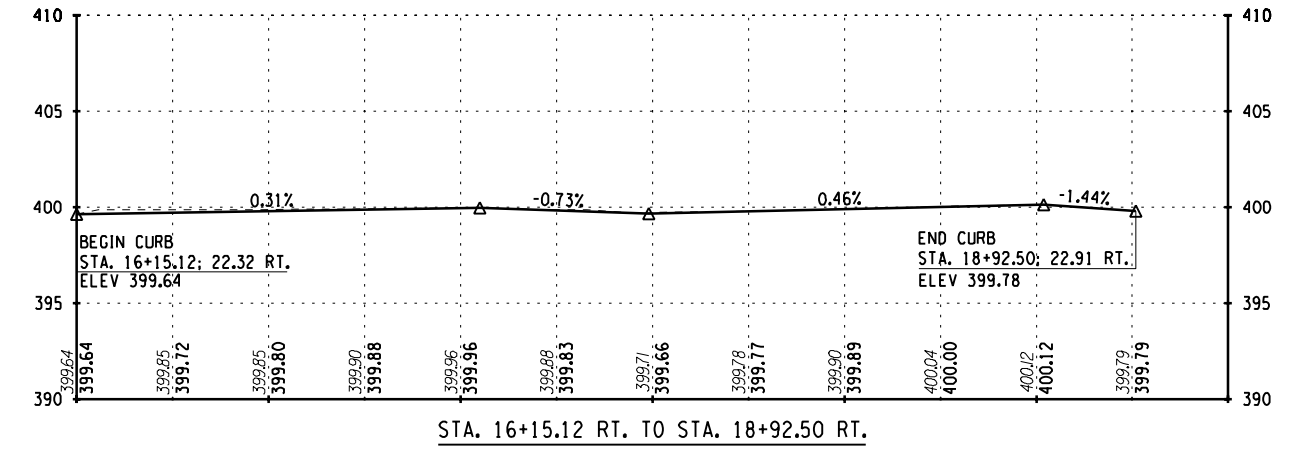
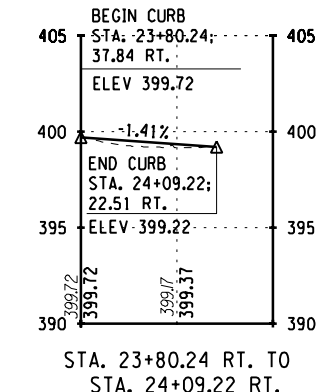
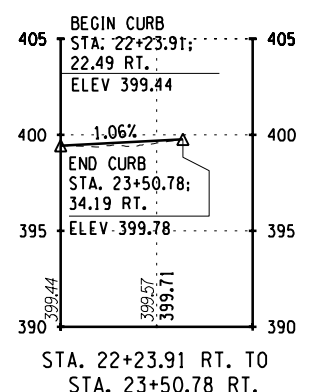
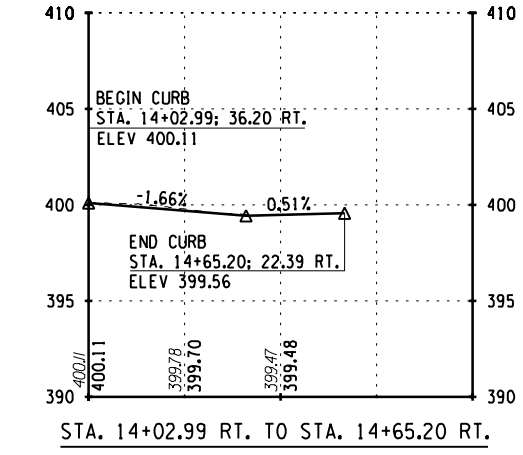
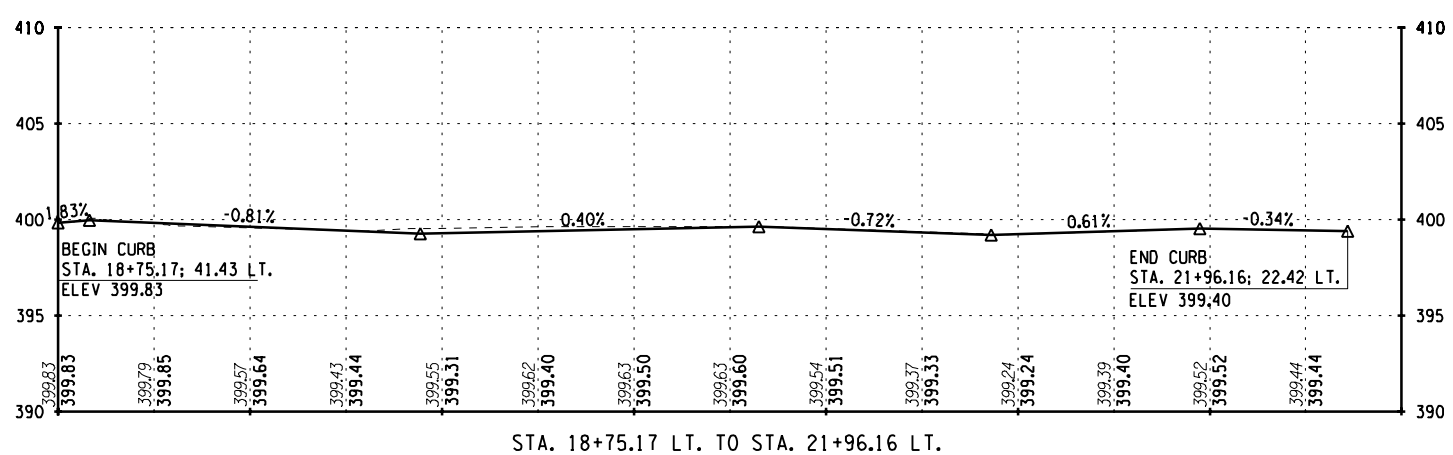
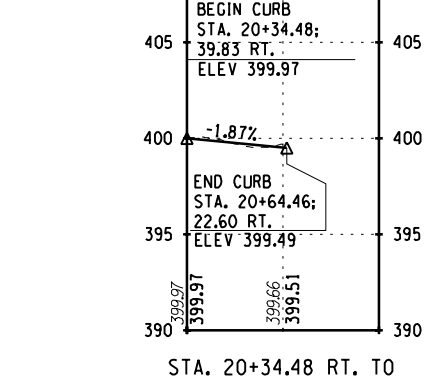
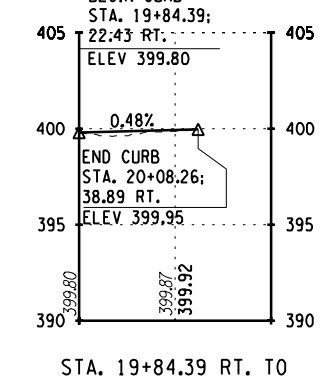
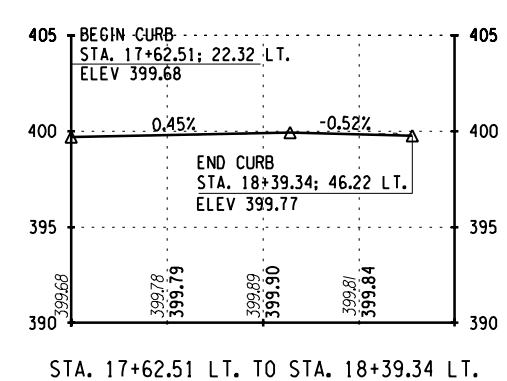
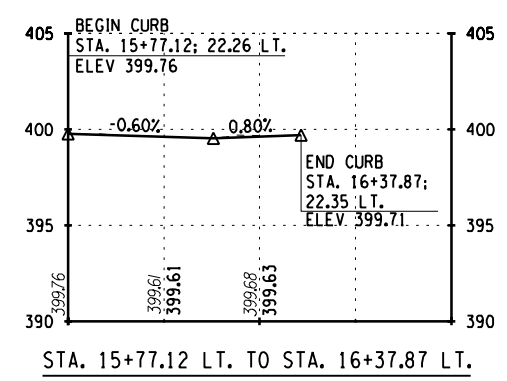
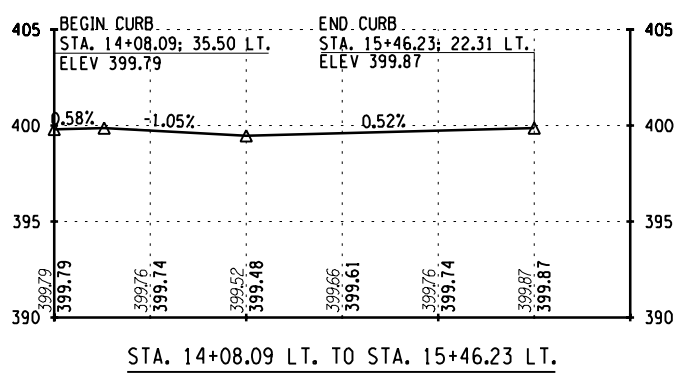
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 DATE ISSUED: 05/2016
 DRAWING
 PR-4

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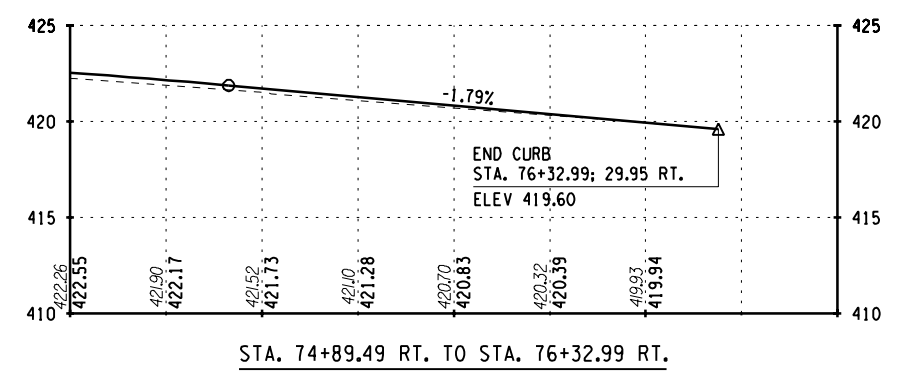
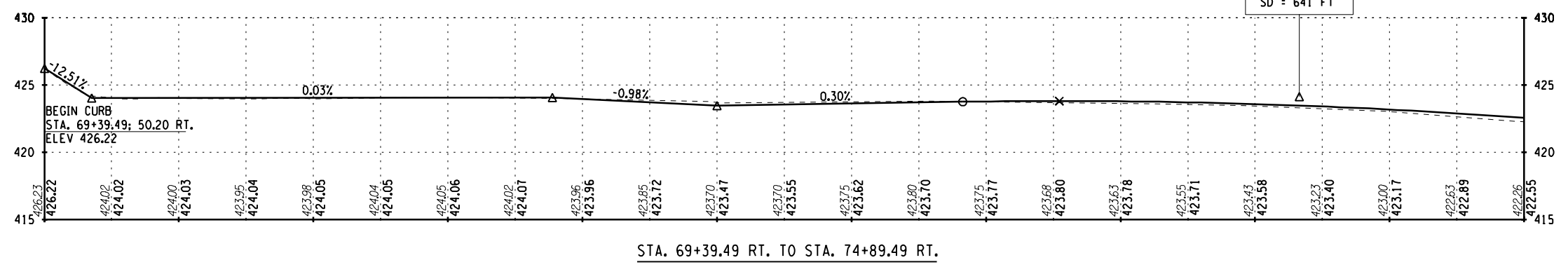
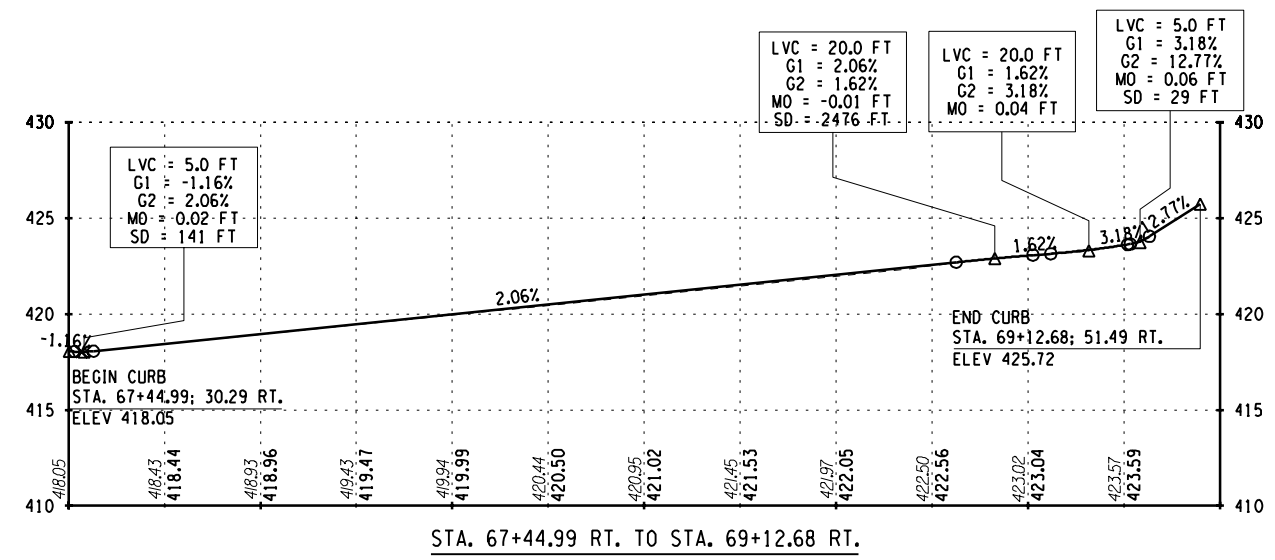
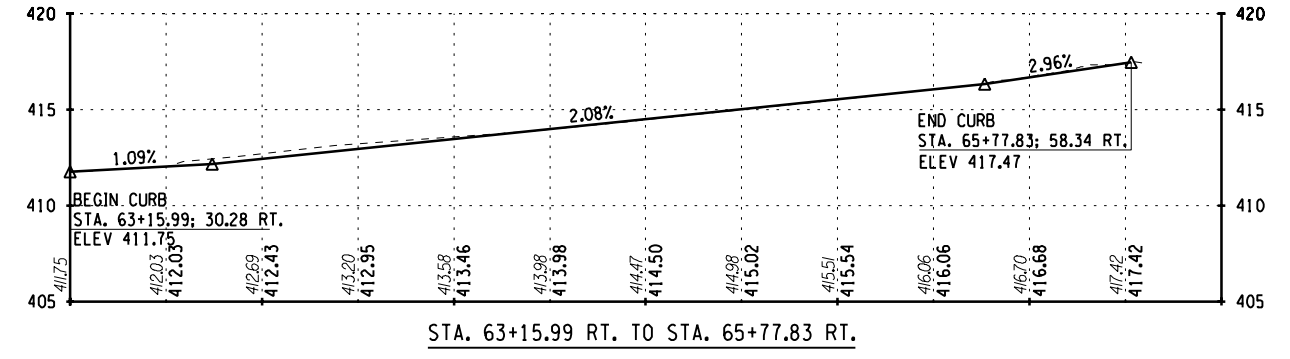
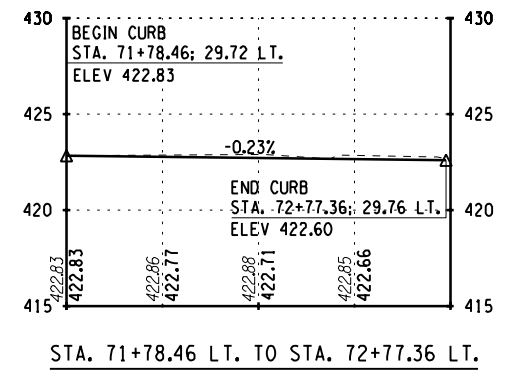
PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



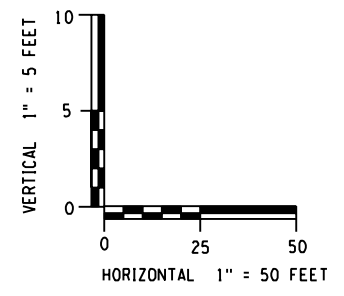
NO. DATE BY REVISION	
 ONONDAGA COUNTY	
 Barton & Loguidice, D.P.C.	
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	
CITY OF SYRACUSE ONONDAGA COUNTY	
CURB LINE PROFILES	
SCALE: AS SHOWN	
DATE ISSUED: 05/2016	
DRAWING CP-1	

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IN CHARGE OF JPD
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PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



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Barton & Loguidice, D.P.C.

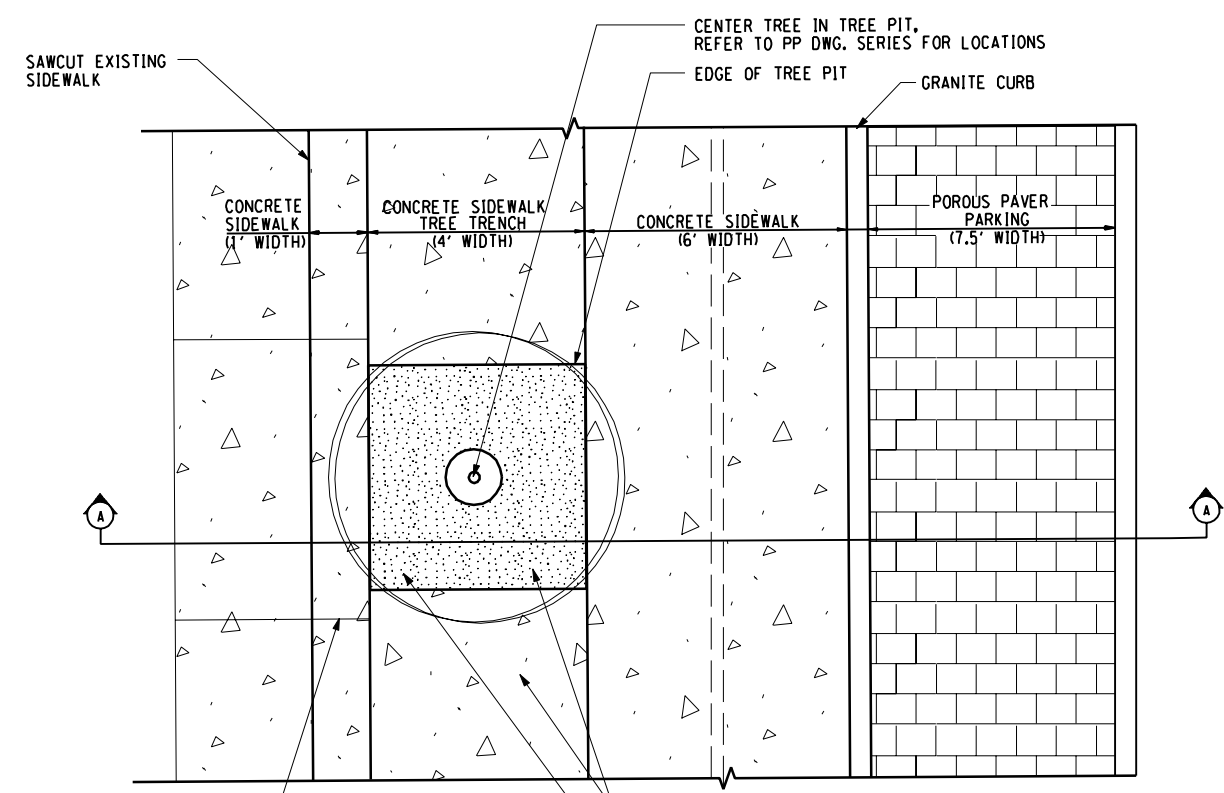
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STATE STREET
 GREEN INFRASTRUCTURE IMPROVEMENTS
 ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION
 CITY OF SYRACUSE
 ONONDAGA COUNTY

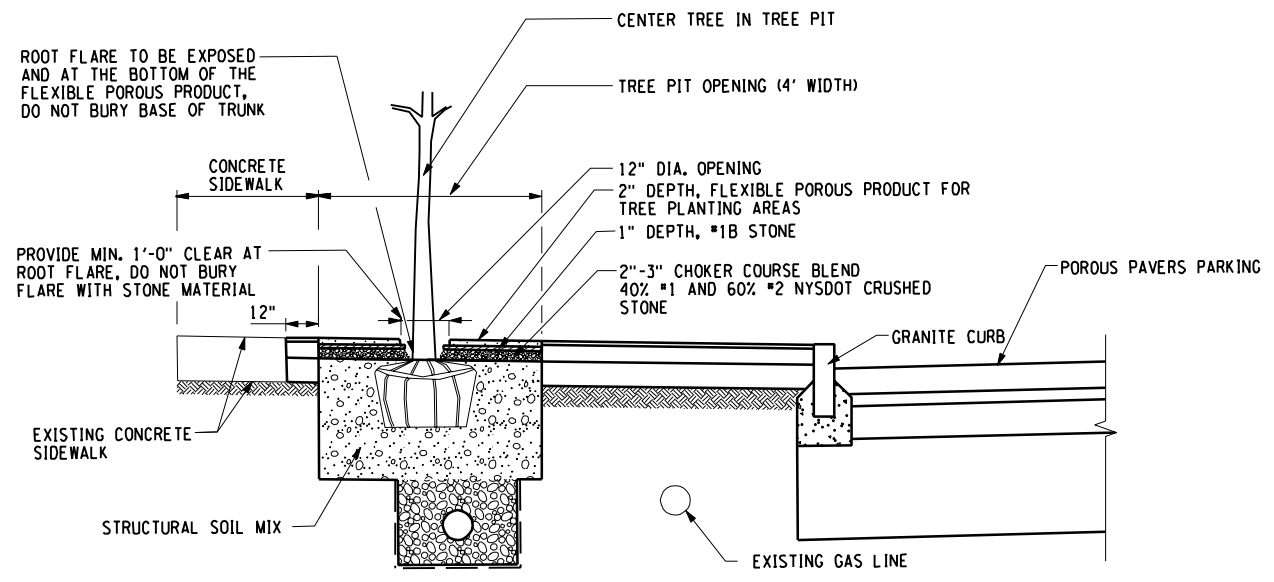
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 DRAWING CP-2

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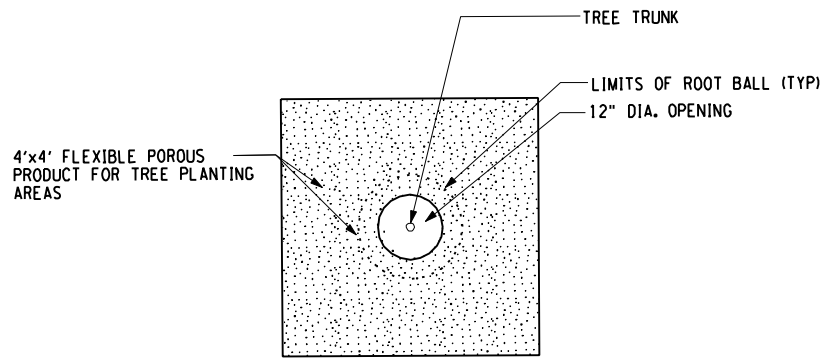
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 CHECKED BY MCB
 DRAFTED BY PJZ/KAW
 CHECKED BY KAW



TREE PIT PLANTING PLAN
NTS

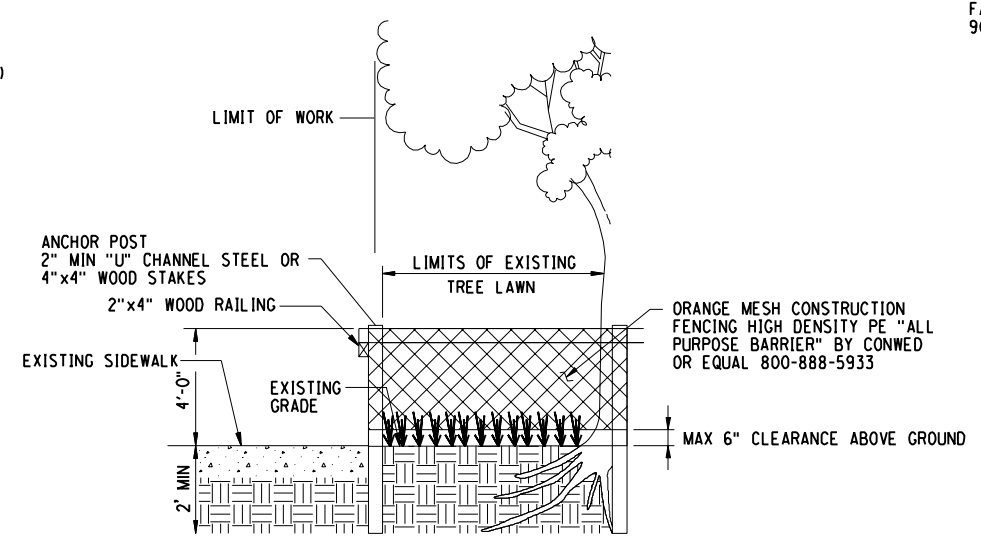


SECTION A-A
NTS



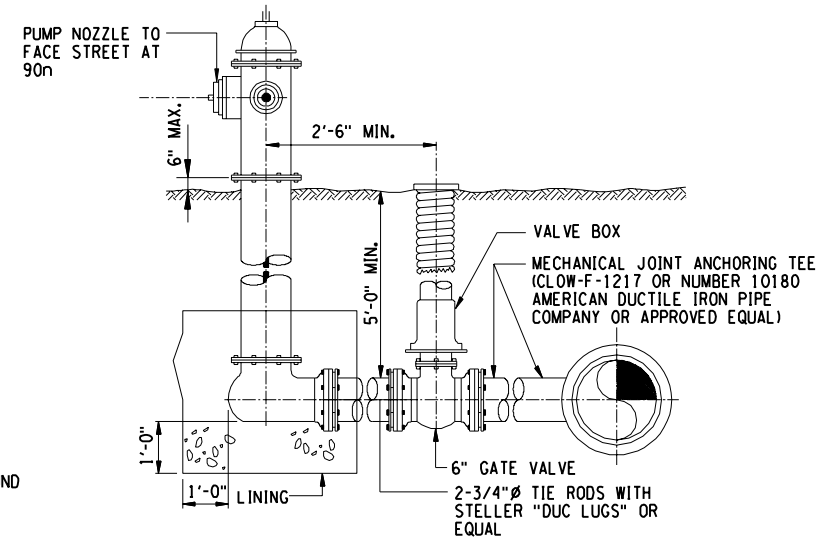
- NOTES:
 1. INSTALLATION OF FLEXIBLE POROUS PRODUCT SHALL MEET LINE AND GRADE OF ADJACENT HARDSCAPE PAVEMENTS.
 2. CONTRACTOR SHALL PROVIDE CLEAN EDGE AT 18" DIAMETER OPENING AT THE TREE COLLAR. PRODUCT SHALL NOT BE POURED UP AGAINST THE TREE TRUNK.

FLEXIBLE POROUS PRODUCT FOR TREE PLANTING AREAS IN TREE PIT - PLAN
NTS



- NOTES:
 1. NO CONSTRUCTION TRAFFIC, CUTTING, FILLING OR TRENCHING, OR ROOT COMPACTION WITHIN TREE BARRICADE.
 2. PROTECTION SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION AT THE SITE.

TREE PROTECTION FENCE
NTS



- CONCRETE THRUST BLOCKS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER IN LIEU OF TIE RODS AND LUGS IN SPECIAL CASES.
- ALL DUCTILE IRON PIPING FROM THE HYDRANT TEE TO THE HYDRANT ELBOW SHALL BE POLYETHYLENE ENCASED.
- WEEP HOLE SHALL BE PLUGGED AND HYDRANT SHALL BE TAGGED AND PUMPED OUT AFTER USE IF GROUNDWATER IS ENCOUNTERED DURING INSTALLATION. IF WEEP HOLE IS PLUGGED, A BRASS TAG SHALL BE INSTALLED TO INDICATE THAT THE HYDRANT MUST BE PUMPED OUT AFTER USAGE.

TYPICAL HYDRANT ASSEMBLY DETAIL
NTS

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



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31
38

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STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS

ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION

CITY OF SYRACUSE ONONDAGA COUNTY

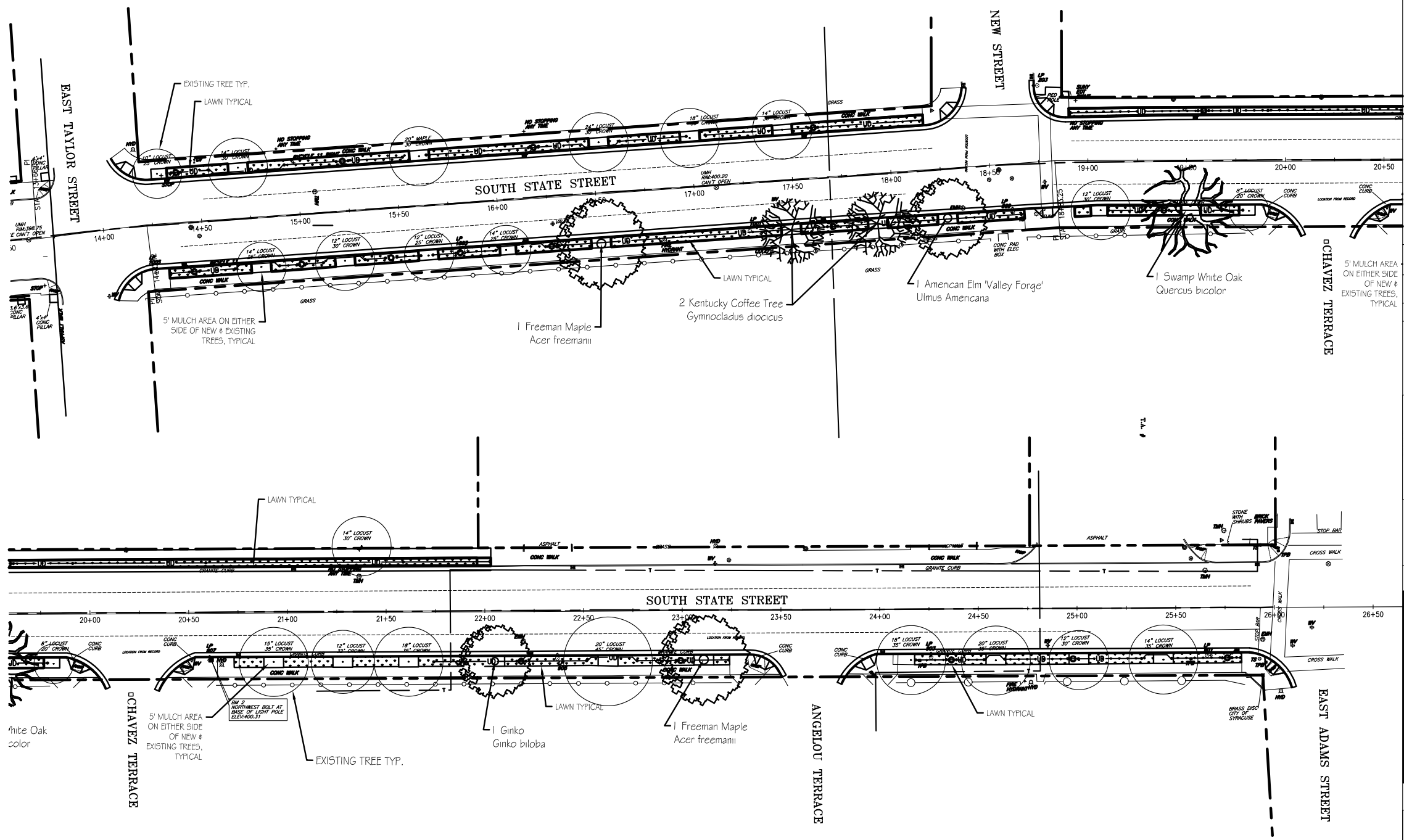
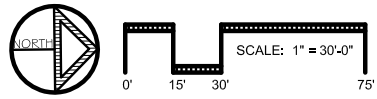
MISCELLANEOUS DETAILS

SCALE: AS NOTED

DATE ISSUED: 05/2016

DRAWING MD-3

DESIGNED BY EAG CHECKED BY TDH DRAFTED BY EAG



PLANT SCHEDULE: TREES

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
DECIDUOUS TREES					
Af	2	Acer freemanii	Freeman Maple	2.5"	B#B
Gb	1	Ginko biloba	Ginko	2.5"	Male only B#B
Gd	2	Gymnocladus dioicius	Kentucky Coffee Tree	2.5"	B#B
Qb	1	Quercus bicolor	Swamp White Oak	2.5"	B#B
Up	1	Ulmus americana 'Valley Forge'	Valley Forge American Elm	2.5"	B#B

NO.	DATE	BY	REVISION



ONONDAGA COUNTY

MAXIAN + HORST
Landscape Architects
+ Landplanners, PLLC - WBE

328 Maxwell Avenue
Syracuse, NY 13203
P: 315-472-2651
F: 315-472-2678
www.maxianhorst.com

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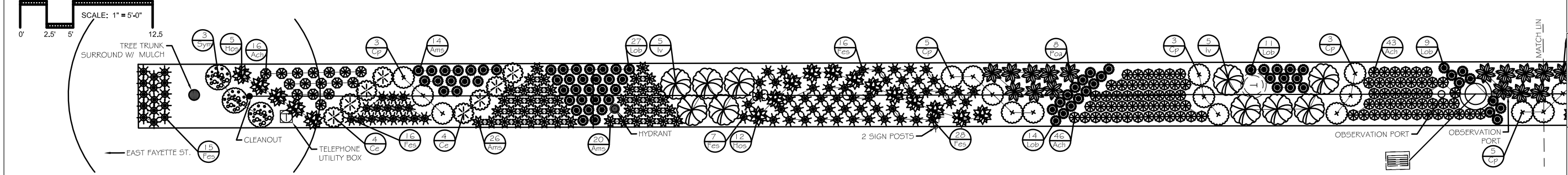
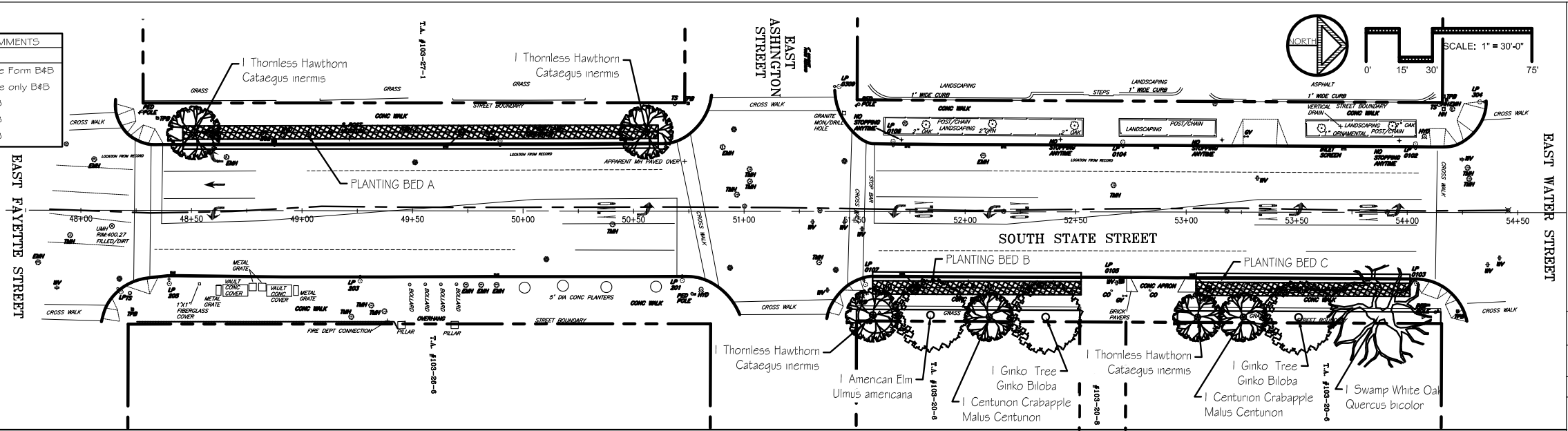
STATE STREET
GREEN INFRASTRUCTURE IMPROVEMENTS
ONONDAGA COUNTY DEPARTMENT OF
WATER ENVIRONMENT PROTECTION
CITY OF SYRACUSE
ONONDAGA COUNTY

PLANTING PLAN
AREA 1
SCALE: 1"=30'
DATE ISSUED: 05/2016
DRAWING
L1

PLANT SCHEDULE: TREES

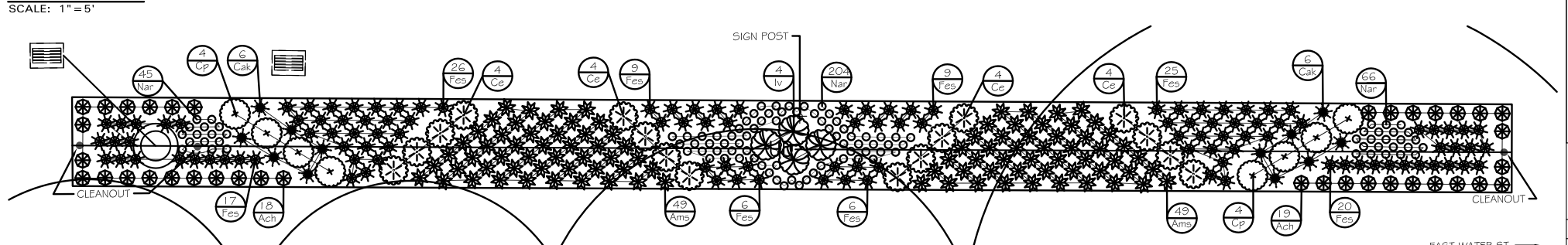
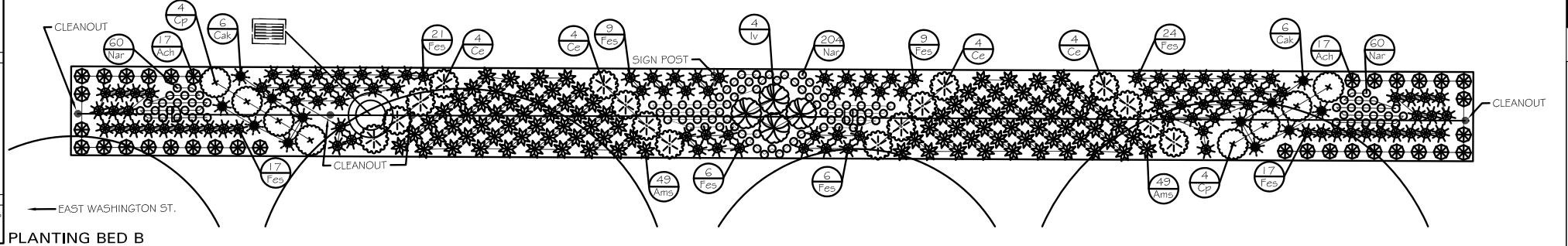
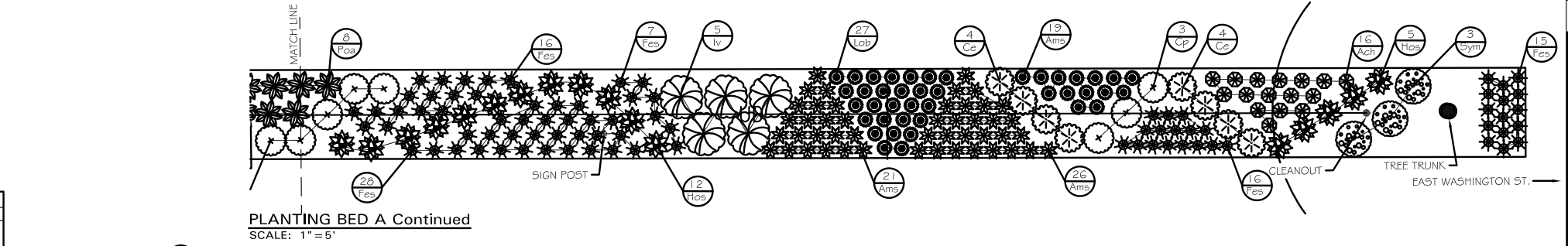
SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
DECIDUOUS TREES					
Ac	4	<i>Cataegus inermis</i>	Thornless Hawthorn	2.5"	Tree Form B4B
Gb	2	<i>Ginkgo biloba</i>	Ginkgo	2.5"	Male only B4B
Mc	2	<i>Malus centurion</i>	Centurion Crabapple	2.5"	B4B
Fa	1	<i>Quercus bicolor</i>	Swamp White Oak	2.5"	B4B
Up	1	<i>Ulmus americana</i>	'Valley Forge' American Elm	2.5"	B4B

- Yarrow
- Sweetfern
- Bluestar
- Virginia Sweetspire
- Blue Fescue
- New Jersey Tea
- Great Blue Lobelia
- Hosta
- Christmas Fern
- Snowberry Bush
- Karl Forester Feather Reed Grass
- Daffodil (3)



PLANT SCHEDULE

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
SHRUBS					
Ce	48	<i>Ceanothus americanus</i>	New Jersey Tea	#3 cont.	
Cp	38	<i>Comptonia peregrina</i>	Sweetfern	#3 cont.	
Iv	23	<i>Itea virginica</i>	Virginia Sweetspire	#3 cont.	
Sy	6	<i>Symphoricarpos albus</i>	Snowberry Bush	#3 cont.	
PERENNIAL					
Ach	192	<i>Achillea 'Terracotta' and 'Oertel's Rose'</i>	Yarrow	#5P4	
Ams	322	<i>Amonia 'blueice'</i>	Bluestar	#5P4	
Cak	24	<i>Calamagrostis acutiflora 'Karl Foerster'</i>	Karl Forester Reed Grass	#1 cont.	
Fes	391	<i>Festuca glauca 'Elijah Blue'</i>	Blue Fescue	#5P4	
Hos	34	<i>Hosta spp</i>	Hosta	#1 cont.	
Lob	88	<i>Lobelia siphilitica</i>	Great Blue Lobelia	DP #5P4	
Poa	16	<i>Polystichum acrostichoides</i>	Christmas Fern	#5P5	
BULBS					
Nar	639	<i>Narcissus</i>	Daffodil	12-14 cm Salt tolerant varieties Dutch Master, Ice Follies, Tete-a-tete	



BED QUANTITIES

	BED-A	BED-B	BED-C
SHRUBS			
Ce	16	16	16
Cp	22	8	8
Iv	15	4	4
Sy	6	0	0
PERENNIALS			
Ach	121	34	37
Ams	126	98	98
Cak	0	12	12
Fes	164	109	118
Hos	34	0	0
Lob	88	0	0
Poa	16	0	0
BULBS			
Nar	0	324	315

NO. DATE BY REVISION

ONONDAGA COUNTY

MAXIAN + HORST
Landscape Architects
308 Maxwell Avenue
Syracuse, NY 13209
P: 315-472-2851
F: 315-472-2878
www.maxianhorst.com

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 17209

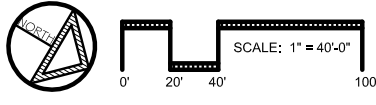
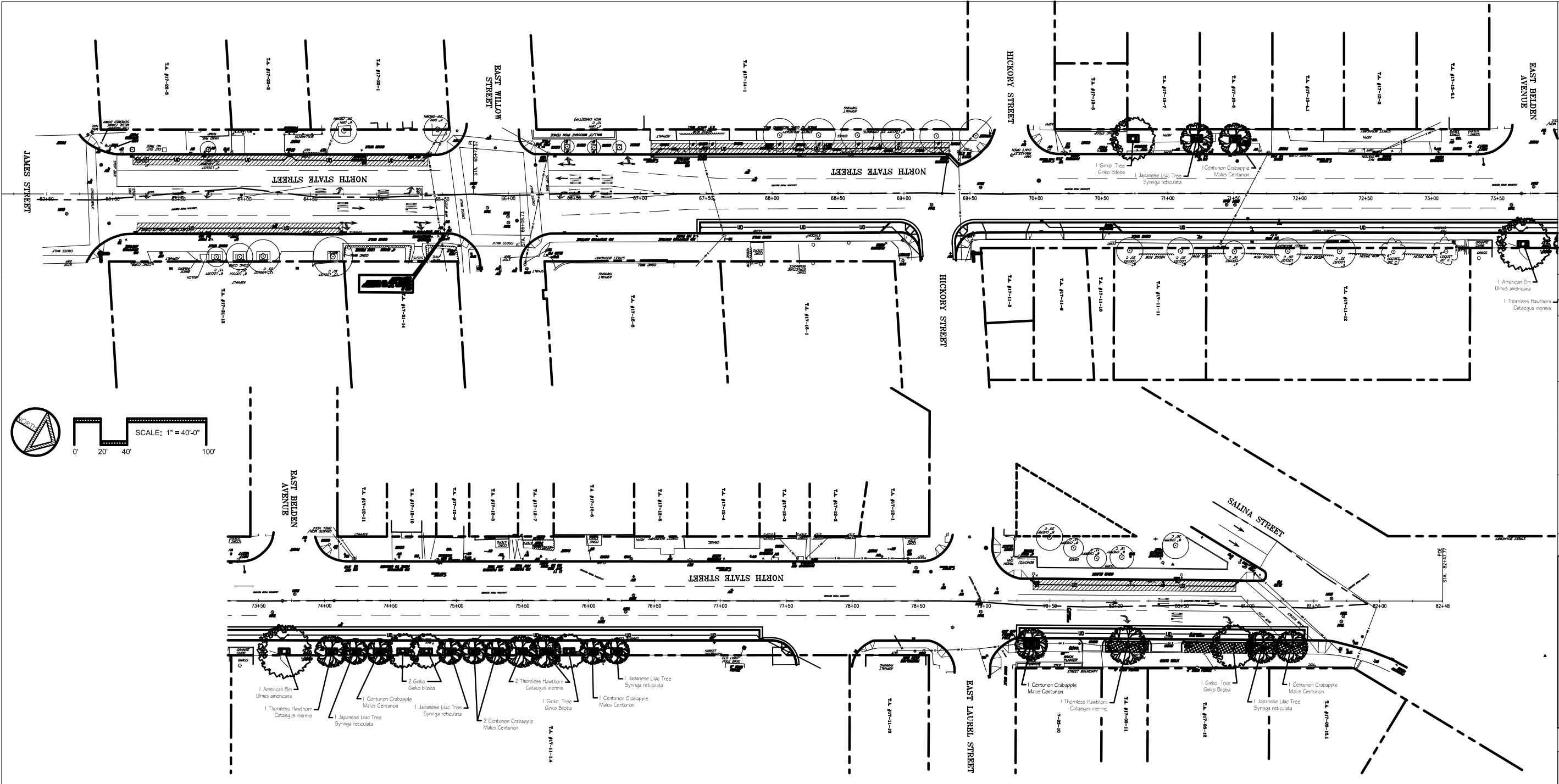
STATE STREET
GREEN INFRASTRUCTURE IMPROVEMENTS
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION
CITY OF SYRACUSE
ONONDAGA COUNTY

AREA 2
PLANTING PLAN

SCALE: AS NOTED
DATE ISSUED: 05/2016
DRAWING
L2



DESIGNED BY EAG
CHECKED BY TDH
DRAFTED BY EAG

DESIGNED BY EAG CHECKED BY TDH DRAFTED BY EAG



PLANT SCHEDULE TREES

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
DECIDUOUS TREES					
Ci	4	Crataegus inermis	Thornless Hawthorn	2.5"	Tree Form B#B
Gb	5	Ginkgo biloba	Ginkgo	2.5"	Male only B#B
Mc	7	Malus centurion	Centurion Crabapple	2.5"	B#B
Sj	5	Syringa reticulata	Japanese Lilac	2.5"	Tree Form B#B
Up	1	Ulmus americana 'Valley Forge'	'Valley Forge' American Elm	2.5"	B#B

NO. DATE BY REVISION	
	
ONONDAGA COUNTY	
	
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 SECTION 2208.	
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS	CITY OF SYRACUSE ONONDAGA COUNTY
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	
AREA 3 PLANTING PLAN	
SCALE: AS NOTED	
DATE ISSUED: 05/2016	
DRAWING L3	

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IN CHARGE OF JPD
 DESIGNED BY KAW
 CHECKED BY MCB
 DRAFTED BY PJZ/KAW
 CHECKED BY KAW

WORK ZONE TRAFFIC CONTROL NOTES

1. GENERAL

- A. THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE LENGTH AND DURATION OF THE CONTRACT IN ACCORDANCE WITH THE WORK TRAFFIC DETAILS IN THE PLANS AND PROPOSAL OR AOB.
- B. FOR TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION AREAS NOT SPECIFIED IN THE PROPOSAL, THE PROVISIONS OF THE MUTCD AND THE NEW YORK STATE SUPPLEMENT, ALL APPLICABLE REVISIONS SHALL APPLY. THE STANDARDS OF APPLICATION NOTED THEREIN AND ON THE PROPOSAL ARE TO BE CONSIDERED MINIMAL STANDARDS. WHERE OPTIONS EXIST FOR SIGN SHAPE, THE DIAMOND SHAPE SHALL BE USED.
- C. PRIOR TO ANY WORK ZONE SET-UP THE ENGINEER SHALL DETERMINE THE ACCEPTABILITY OF ALL SIGNS, TRAFFIC CONTROL DEVICES AND WORK ZONE TRAFFIC CONTROL DEVICES.
- D. PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED FOR THE REVIEW AND APPROVAL BY THE REGIONAL TRAFFIC ENGINEER 30 DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH REVISIONS.
- E. ANY AND ALL WORK RELATED TO WORK ZONE TRAFFIC CONTROL IS CONSIDERED SKILLED AND SPECIALIZED WORK. ALL WORKERS ENGAGED IN WORK ZONE TRAFFIC CONTROL WORK SHALL HAVE SUFFICIENT EXPERIENCE IN SUCH WORK TO SATISFACTORILY PERFORM IT. IDENTIFICATION OF EACH WORKER, ALONG WITH DOCUMENTATION OF EXPERIENCE, SHALL BE PROVIDED TO THE ENGINEER PRIOR TO THE WORKER ENGAGING IN WORK ZONE TRAFFIC CONTROL WORK. THE TRAFFIC CONTROL SUPERVISOR SHALL BE IN COMPLIANCE ACCORDING TO SECTION 619.3.20 OF THE NYSOOT STANDARD SPECIFICATION. DETERMINATION OF COMPETENCY AND DISCHARGING OF INDIVIDUALS SHALL BE AS PER SECTION 105-02 OF THE NYSOOT STANDARD SPECIFICATION.
- F. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE HIGHWAYS WILL BE DESIGNATED AS RESTRICTED UNDER THIS CONTRACT.

2. LANE CLOSURES

- A. THE CONTRACTOR SHALL SCHEDULE WORK SO THAT ALL TRAVEL LANES IN EACH DIRECTION ARE OPEN WHEN THE CONTRACTOR'S OPERATIONS ARE CLOSED DOWN OR SUBSTANTIALLY CLOSED DOWN. THE MINIMUM WIDTH OF A TRAVEL LANE SHALL BE 10.0 FT UNLESS OTHERWISE SHOWN IN THE PLANS OR PROPOSAL.
- B. IF, IN THE OPINION OF THE ENGINEER LANE CLOSURES ARE CREATING SIGNIFICANT DELAYS TO TRAFFIC OR ARE CREATING A SAFETY CONCERN DUE TO SLOWED OR STOPPED TRAFFIC, AFFECTED LANE CLOSURES SHALL BE REMOVED AND THE ROADWAY OPENED TO TRAFFIC AS DIRECTED BY THE ENGINEER.

3. WORK AREA COORDINATION

- A. WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COORDINATE ALL CONTRACT WORK WITH ANY, UTILITY WORK, SUBCONTRACTOR WORK, PUBLIC MAINTENANCE OPERATIONS OR OTHER CONSTRUCTION ACTIVITIES IN THE AREA TO ENSURE THAT THERE ARE NO WORK ZONE TRAFFIC CONTROL CONFLICTS, SIGNING AND LANE CONTINUITY, AND THAT WORK ZONE TRAFFIC CONTROL IS PER STANDARDS.
- B. ALL VEHICLES, EQUIPMENT, WORKERS AND ACTIVITIES SHALL BE RESTRICTED TO ONE SIDE OF THE ROADWAY AT A TIME, UNLESS OTHERWISE SHOWN IN THE PLANS OR PROPOSAL.
- C. THE CONTRACTOR SHALL COORDINATE ALL CONTRACT WORK WITH ANY ADJACENT PROJECTS TO ENSURE THERE ARE NO WORK ZONE TRAFFIC CONTROL CONFLICTS, SIGNING AND LANE CONTINUITY, AND THAT WORKZONE TRAFFIC CONTROL IS PER STANDARDS.

4. CONES, DRUMS, BARRICADES AND MARKERS

- A. ALL CHANNELIZING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM OF 2.0 FT MIN. CLEARANCE TO THE TRAVELED WAY UNLESS OTHERWISE SHOWN ON THE PLANS. WHERE POSSIBLE ALATERAL BUFFER SPACE OF 2.0 FT MIN. SHOULD BE PROVIDED BETWEEN THE WORK SPACE AND THE LINE OF DELINEATION DEVICES.
- B. LONGITUDINAL SPACING SHALL BE 40 FT FOR POSTED SPEED LIMITS OVER 40 MPH AND 20 FT FOR SPEED LIMITS 40 MPH AND UNDER. THROUGHOUT THE WORK ZONE, REDUCED SPACING MAY BE REQUIRED AS SHOWN IN THE PLANS, SPECIFICATIONS OR AOB. INTERSECTIONS AND DRIVEWAYS SHALL BE CHANNELIZED AT 5.0 FT SPACING.
- C. DRUMS OR VERTICAL PANELS (8" x 36" OR 12" x 24") SHALL BE USED DURING THE HOURS OF DARKNESS. "TYPE B" LIGHTS SHALL BE REQUIRED ON THE FIRST DEVICE AND ON THE FIRST DEVICE AFTER EACH INTERSECTION.

5. SIGNS

- A. BLANK COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE OF A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING PARTIALLY COVERED.
- B. WHERE SHOULDER WIDTHS ARE LIMITED AND SIGNS CAN NOT BE ERRECTED BEYOND THE SHOULDER, TEMPORARY SIGNS MAY NEED TO BE MOUNTED ON CONCRETE MEDIAN BARRIER OR BRIDGE PARAPETS, ETC., PRIOR TO ERRECTING THOSE SIGNS THE CONTRACTOR SHALL PROVIDE MOUNTING DETAILS TO AND RECEIVE APPROVAL FROM THE ENGINEER. SIGNS SHALL NOT ENCRACH MORE THAN 4" INTO SHOULDERS USED BY PEDESTRIANS OR BICYCLES.
- C. SIGNS SHALL BE MOUNTED AS SHOWN IN CHAPTER 6F OF THE MUTCD AND THE NEW YORK STATE SUPPLEMENT.

6. BUMPS

- A. THE CONTRACTOR SHALL TAKE ALL ACTION AS DIRECTED BY THE ENGINEER, TO ELIMINATE BUMPS, WHICH ARE DEFINED AS, A PAVEMENT CONDITION CONSIDERED BY THE ENGINEER TO BE SUFFICIENTLY ABRUPT ENOUGH TO CAUSE CONSIDERABLE DISCOMFORT, CARGO SHIFTING, OR DEFLECTION OF A VEHICLE FROM ITS TRUE COURSE AT PREVAILING DRIVING SPEEDS. ONLY WHEN IT IS NOT POSSIBLE OR FEASIBLE IN THE OPINION OF THE ENGINEER TO ELIMINATE A BUMP, SHALL A BUMP BE ALLOWED TO REMAIN.
- B. BUMPS SHALL BE RAMPED AT A MINIMUM RATE OF, SPEED LIMIT HORIZONTAL TO 1 VERTICAL, (IE; 55 HORIZONTAL TO 1 VERTICAL FOR 55 MPH).
- C. WB-1 BUMP SIGNS SHALL BE PLACED ON ALL APPROACHES TO A BUMP OR DIP CAUSED BY CONSTRUCTION OPERATIONS (IE: ROAD PLATES, MILLED PAVEMENT TERMINATION, ETC...) PER TABLE NY2C-4. NUMEROUS BUMPS OR DIPS SHALL WARRANT THE USE OF WB-8 "ROUGH ROAD" SIGNS INSTEAD OF THE WB-1 SIGN. WB-1 SIGNS SHALL BE SUPPLEMENTED WITH W16-4 "NEXT XXX FEET" PANELS AND POSTED ON THE MAINLINE IN ADVANCE OF THE CONDITION AND REPEATED AT EACH INTERSECTION.
- D. AN OM1-3 MARKER SHALL BE LOCATED RIGHT AT OR IMMEDIATELY IN ASDVANCE OF THE BUMP AND SHALL BE USED IN CONJUNCTION WITH THE WB-1 SIGN, AND EQUIPPED WITH A "TYPE B" WARNING LIGHT.

7. PUBLIC INGRESS AND EGRESS

- A. THE CONTRACTOR SHALL PROVIDE PROPERTY OWNERS WITH PROPER ACCESS AS SHOWN IN THE PLANS AND AOB, TO THEIR DRIVEWAYS AND SHALL MAINTAIN THEM THROUGH ALL PHASE WORK AREAS AND SHALL DELINEATE THEM BY MEANS OF SIGNS AND CHANNELIZING DEVICES AOB.
- B. WHERE DIRECT ACCESS TO DRIVEWAYS IS NOT POSSIBLE DUE TO NECESSARY CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PLAN ALTERNATE MEANS OF ACCESS AND SUBMIT SUCH PLANS TO THE ENGINEER FOR APPROVAL. PROPERTY OWNERS/OCCUPANTS SHALL HAVE 24 HOUR NOTICE OF ANY CHANGES.
- C. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE HIGHWAY WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE, ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE ERRECTED AND FLAGGERS POSTED AT APPROPRIATE LOCATIONS OR AOB.

8. CONSTRUCTION INGRESS AND EGRESS

- A. VEHICLES, MATERIALS AND/OR EQUIPMENT, INCLUDING OUT OF SERVICE SIGNS, SHALL NOT BE PARKED OR STORED WITHIN 30 FT OF A ROADWAY USED BY THE GENERAL PUBLIC, OR ANY OTHER TRAVERSABLE AREAS IN WHICH AN ERRANT VEHICLE MAY STRIKE THE OBJECT.

9. EMERGENCY ACCESS

- A. DURING WORK OPERATIONS ON OR NEAR SIDE ROADS AND DRIVEWAYS, THE CONTRACTOR SHALL MAINTAIN ACCESS TO THOSE SIDE ROADS AND DRIVEWAYS FOR EMERGENCY VEHICLES, AOB. EVEN WHEN THE FACILITY IS CLOSED TO NORMAL TRAFFIC.

10. PAVEMENT MARKINGS

- A. THE CONTRACTOR SHALL PROVIDE PAVEMENT MARKINGS AT ALL TIMES, ON ALL PAVEMENT, WHETHER EXISTING, TEMPORARY OR NEW, UNTIL PERMANENT MARKINGS ARE INSTALLED OR RESTORED. THIS SHALL INCLUDE AT ALL LOCATIONS, EDGE LINES, CENTERLINE, LANE LINES (SOLID OR BROKEN), CHANNELIZING LINES, DOTTED LINES, PLUS ANY MARKINGS ORDERED BY THE ENGINEER. ALL MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE MUTCD AND NEW YORK STATE SUPPLEMENT AND SHALL INDICATE ACTUAL CONDITIONS AT ALL TIMES. THESE MARKINGS SHALL BE PAID FOR AS SHOWN IN THE CONTRACT PLANS.
- B. TEMPORARY OR INTERIM PAVEMENT MARKINGS COMPRISED OF TRAFFIC MARKING PAINT SHALL BE REPAINTED AT NO ADDITIONAL COST, WHEN 10% OF THE UNDERLYING PAVEMENT IS VISIBLE THROUGH THE PAVEMENT MARKING OR WHEN THE ENGINEER DEEMS REFLECTIVITY IS INADEQUATE.

11. PEDESTRIANS

- A. WHERE WALKWAYS EXIST AND PEDESTRIANS CAN BE SAFELY MAINTAINED ON THEM, THEN PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ON THEM.
- B. IF THE PEDESTRIAN WALKWAY IS LESS THAN 5.0 FT WIDE AND OVER 200 FT IN LENGTH THE CONTRACTOR SHALL FURNISH A 5.0 FT AREA WHERE WHEELCHAIRS CAN PASS EVERY 200 FT. THESE WALKWAYS SHALL BE A MINIMUM OF 4.0 FT, UNLESS OTHERWISE SHOWN ON THE PLANS.
- C. FOR INSTANCES OF VERY SHORT SHOULDER CLOSURES AND LOW VEHICLE AND OR PEDESTRIAN VOLUMES, IN LIEU OF IMPLEMENTING THE CHANNELIZED PEDESTRIAN WALKWAY AS SHOWN ON THE PLANS, A FLAGGER CAN BE POSTED AT THE BEGINNING OF THE SHOULDER CLOSURE. THE FLAGGER SHALL STOP ALL APPROACHING TRAFFIC AND KEEP SUCH TRAFFIC STOPPED TO ALLOW PEDESTRIANS TO PASS THE WORK AREA, ANOTHER FLAGGER WOULD BE POSTED TO ASSIST THE PEDESTRIANS IN THE TRAVERSING OF THE WORK ZONE. WHERE THE LENGTH OF THE SHOULDER CLOSURE, VOLUME OF PEDESTRIAN TRAFFIC, THE VOLUME OF VEHICULAR TRAFFIC OR OTHER FACTORS RENDER THIS TREATMENT INEFFECTIVE, AS DETERMINED BY THE ENGINEER, THE CHANNELIZED PEDESTRIAN WALKWAY SHALL BE IMPLEMENTED.

11. PEDESTRIANS CONTINUED

- D. WHERE IT IS DETERMINED BY THE ENGINEER THAT THERE IS A LIKELYHOOD OF PEDESTRIANS LEAVING THE DEDICATED WALKWAY TO CROSS THE ACTIVE LANE OF TRAFFIC, THE CHANNELIZING DEVICES SHALL BE SUPPLEMENTED WITH A R9-3a "NO PEDESTRIAN CROSSING SYMBOL" SIGN TO RESTRICT THE PEDESTRIAN MOVEMENT.

12. WORK ZONE TRAFFIC CONTROL NOTIFICATION REQUIREMENTS

- A. REGION 3 HAS A WORK ZONE TRAFFIC CONTROL (WZTC) NOTIFICATION POLICY WHICH REQUIRES EIC'S TO NOTIFY THE REGIONAL TRANSPORTATION MANAGEMENT CENTER (RTMC) PRIOR TO ALLOWING A CONTRACTOR TO IMPLEMENT WORK ZONE TRAFFIC CONTROL ACTIVITIES WITHIN THE HIGHWAY RIGHT OF WAY. WORK ZONE NOTIFICATION IS REQUIRED FOR THE FOLLOWING:

ALL OTHER STATE HIGHWAYS: ALL LANE CLOSURES WHOSE DURATION WILL BE GREATER THAN 2 HOURS AND ALL ROAD/BRIDGE CLOSURES.
- B. THE CONTRACTOR SHALL REPORT PROPOSED WZTC ACTIVITIES NOTED ABOVE TO THE EIC BY 8:00 AM OF THE BUSINESS WEEK DAY (I.E. MONDAY THROUGH FRIDAY EXCLUDING HOLIDAYS) PRECEDING THE PROPOSED WZTC ACTIVITY. FAILURE TO DO SO SHALL RESULT IN DISAPPROVAL TO PERFORM THE UNREPORTED WZTC ACTIVITY UNTIL THE ABOVE NOTIFICATIONS REQUIREMENTS ARE SATISFIED.
- C. NO PLANNED WZTC ACTIVITY WILL BE IMPLEMENTED WITHOUT FIRST RECEIVING CLEARANCE FROM THE EIC.

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

NO. DATE BY REVISION		 ONONDAGA COUNTY
		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
STATE STREET	GREEN INFRASTRUCTURE IMPROVEMENTS	
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION	CITY OF SYRACUSE	
ONONDAGA COUNTY		
WORK ZONE TRAFFIC CONTROL NOTES		
SCALE: NONE		
DATE ISSUED: 05/2016		
DRAWING WZTC-1		

IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PJZ/KAW CHECKED BY KAW

CLOSURE TYPE	EXPOSURE CONDITION ¹	USE REQUIREMENTS ^{4,5}			
		FREEWAY	NON-FREEWAY (PRECONSTRUCTION POSTED SPEED LIMIT)		
			≥ 45 MPH	35-40 MPH	≤ 30 MPH
LANE CLOSURE	WORKERS ON FOOT OR IN VEHICLES EXPOSED TO TRAFFIC	REQUIRED ³	REQUIRED ³	REQUIRED ³	OPTIONAL ²
	NON-TRAVERSABLE HAZARD (IE. EQUIPMENT, MATERIALS, EXCAVATION) ONLY NO WORKERS EXPOSED	REQUIRED ³	REQUIRED ³	OPTIONAL ²	OPTIONAL ²
SHOULDER CLOSURE	WORKERS ON FOOT OR IN VEHICLES EXPOSED TO TRAFFIC	REQUIRED ³	REQUIRED ³	OPTIONAL ²	OPTIONAL ²
	NON-TRAVERSABLE HAZARD (IE. EQUIPMENT, MATERIALS, EXCAVATION) ONLY NO WORKERS EXPOSED	REQUIRED ³	OPTIONAL ²	OPTIONAL ²	OPTIONAL ²

1. THE EXPOSURE CONDITIONS DESCRIBED IN TABLE NY1-A ASSUMES THERE IS NO POSITIVE PROTECTION (TEMPORARY TRAFFIC BARRIER) PRESENT. WHERE WORKERS OR HAZARDS ARE PROTECTED BY A TEMPORARY TRAFFIC BARRIER, BARRIER VEHICLES ARE NOT REQUIRED.
2. WHERE THE REQUIREMENT IS "OPTIONAL", EITHER A BARRIER VEHICLE OR THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.
3. REQUIREMENTS SHALL INCLUDE PROVIDING A SEPARATE BARRIER VEHICLE FOR EACH CLOSED LANE AND EACH CLOSED PAVED SHOULDER 8' OR GREATER IN WIDTH. IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE BARRIER VEHICLE SHALL BE REPOSITIONED ACCORDINGLY. BARRIER VEHICLES PROTECTING NON-TRAVERSABLE HAZARDS SHALL REMAIN IN PLACE DURING BOTH WORKING AND NON-WORKING HOURS UNTIL THE HAZARD NO LONGER EXISTS. EXCEPTIONS TO THESE REQUIREMENTS MAY BE MADE, AS APPROVED BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE WHERE BARRIER VEHICLE PLACEMENT WOULD BE INEFFECTIVE OR WOULD INTERFERE WITH THE SAFE OPERATION OF TRAFFIC.
4. BARRIER VEHICLES ARE NOT REQUIRED FOR MILLING AND/OR PAVING OPERATIONS, BUT THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.
5. BARRIER VEHICLES ARE NOT REQUIRED FOR FLAGGING OPERATIONS, BUT THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.

CLOSURE TYPE	EXPOSURE CONDITION	USE REQUIREMENTS			
		FREEWAY	NON-FREEWAY (PRECONSTRUCTION POSTED SPEED LIMIT)		
			≥ 45 MPH	35-40 MPH	≤ 30 MPH
LANE CLOSURE	WHEN ANY WORKER, VEHICLE, OR OTHER HAZARD IS EXPOSED TO TRAFFIC	REQUIRED ^{2,4}	REQUIRED ^{2,4}	REQUIRED ^{2,4}	REQUIRED ^{2,4}
SHOULDER CLOSURE	WHEN ANY WORKER, VEHICLE, OR OTHER HAZARD IS EXPOSED TO TRAFFIC	REQUIRED ^{2,4}	REQUIRED ^{2,4}	REQUIRED ^{2,4}	REQUIRED ^{2,4}

1. A MOBILE CLOSURE SHALL BE USED FOR ANY WORK ACTIVITY THAT MOVES CONTINUOUSLY OR INTERMITTENTLY ALONG THE TRAVELED WAY OR SHOULDER SLOWER THAN THE PREVAILING SPEED OF TRAFFIC. CHANNELIZING DEVICES ARE NOT USED FOR MOBILE CLOSURES.
2. SHADOW VEHICLES SHALL BE EQUIPPED WITH AN APPROVED REAR MOUNTED ATTENUATOR (TRUCK MOUNTED OR TRAILER MOUNTED) FOR THE FOLLOWING MOBILE CLOSURES: LANE CLOSURES ON FREEWAYS, LANE CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION POSTED SPEED LIMIT OF 35 MPH OR MORE, SHOULDER CLOSURES ON FREEWAYS, AND SHOULDER CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE.
3. FOR MOBILE LANE CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION POSTED SPEED LIMIT OF 30 MPH OR LESS AND MOBILE SHOULDER CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION SPEED LIMIT OF 40 MPH OR LESS, SHADOW VEHICLES ARE NOT REQUIRED TO BE EQUIPPED WITH A REAR MOUNTED ATTENUATOR.
4. A SHADOW VEHICLE IS USED TO PROTECT EXPOSED WORKERS (ON FOOT OR IN A VEHICLE) AND SHALL BE REQUIRED FOR ALL MOBILE CLOSURES. SHADOW VEHICLE REQUIREMENTS SHALL INCLUDE PROVIDING A SEPARATE SHADOW VEHICLE FOR EACH CLOSED LANE AND EACH CLOSED PAVED SHOULDER 8' OR GREATER IN WIDTH. ADDITIONAL SHADOW VEHICLES MAY BE REQUIRED TO PROMOTE THE SAFE OPERATION OF TRAFFIC AND THE INCREASED PROTECTION OF EXPOSED WORKERS, AS DIRECTED BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE.

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



SPEED LIMIT (S) (MPH)	TAPER LENGTH (L) (FT.)
(40 MPH) OR LESS	$L = WS^2 / 60$
(45 MPH) OR MORE	$L = WS$

L = TAPER LENGTH
 W = WIDTH OF OFFSET (FT.)
 S = PRECONSTRUCTION POSTED SPEED LIMIT (MPH)

LATERAL SHIFT OF TRAFFIC FLOW PATH	TEMPORARY TRAFFIC CONTROL ZONE POSTED SPEED LIMIT									
	(25 MPH)	(30 MPH)	(35 MPH)	(40 MPH)	(45 MPH)	(50 MPH)	(55 MPH)	(60 MPH)	(65 MPH)	(70 MPH)
4	45	60	85	110	180	200	220	240	260	280
5	55	75	105	135	225	250	275	300	325	350
6	65	90	125	160	270	300	330	360	390	420
7	75	105	145	190	315	350	385	420	455	490
8	85	120	165	215	360	400	440	480	520	560
9	95	135	185	240	405	450	495	540	585	630
10	105	150	205	270	450	500	550	600	650	700
11	115	165	225	295	495	550	605	660	715	770
12	125	180	245	320	540	600	660	720	780	840

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	DISTANCE
25	155 FT.
30	200 FT.
35	250 FT.
40	305 FT.
45	360 FT.
50	425 FT.
55	495 FT.
60	570 FT.
65	645 FT.

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	PLACEMENT DISTANCE (FT.)			
	BARRIER VEHICLES*			
	(18000 LBS.)		(24000 LBS.)	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
> 55	100 FT.	200 FT.	100 FT.	200 FT.
45 - 55	100 FT.	200 FT.	85 FT.	165 FT.
< 45	85 FT.	165 FT.	50 FT.	100 FT.

* AS DEFINED IN NYS DOT STANDARD SPECIFICATION 619:
 BARRIER VEHICLE - VEHICLE USED FOR STATIONARY SHOULDER CLOSURES, LANE CLOSURES, AND OTHER STATIONARY WORK ZONES.
 MINIMUM DISTANCE SHOWN REFLECTS THE ACTUAL ROLL AHEAD DISTANCE FROM MANUFACTURER.

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	PLACEMENT DISTANCE (FT.)			
	SHADOW VEHICLES**			
	(18000 LBS.)		(24000 LBS.)	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
> 55	230 FT.	330 FT.	180 FT.	280 FT.
45 - 55	180 FT.	280 FT.	150 FT.	250 FT.
< 45	100 FT.	200 FT.	100 FT.	200 FT.

* AS DEFINED IN NYS DOT STANDARD SPECIFICATION 619:
 SHADOW VEHICLE - VEHICLE USED FOR MOBILE OR SHORT DURATION WORK OPERATIONS.
 MINIMUM DISTANCE SHOWN REFLECTS THE ACTUAL ROLL AHEAD DISTANCE FROM MANUFACTURER.

TYPE OF TAPER	TAPER LENGTH (L)
MERCING TAPER	L
SHIFTING TAPER	L/2
SHOULDER TAPER	L/3
ONE-LANE, TWO-WAY TRAFFIC TAPER	100 FT. MAXIMUM
DOWNSTREAM TAPER	100 FT. PER LANE

TYPE OF POSITIVE BARRIER	POSTED SPEED LIMIT				
	30 MPH	40 MPH	50 MPH	55 MPH	65 MPH
TEMPORARY CONCRETE BARRIER	8:1	11:1	14:1	16:1	20:1
BOX BEAM OR HEAVY POST CORRUGATED BEAM	7:1	9:1	11:1	12:1	15:1

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH*)	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD
URBAN (≥ 45 MPH*)	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.
EXPRESSWAY / FREEWAY	1000	1500	2640	1 MILE	1/2 MILE

* PRECONSTRUCTION POSTED SPEED LIMIT
 URBAN: (MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA) SIDEWALKS, BICYCLE USAGE, CURBING, CLOSED DRAINAGE SYSTEMS, DRIVEWAY DENSITIES GREATER THAN 24 DRIVEWAYS PER MILE, MINOR COMMERCIAL DRIVEWAY DENSITIES OF 10 DRIVEWAYS PER MILE OR GREATER, MAJOR COMMERCIAL DRIVEWAYS, NUMEROUS RIGHT OF WAY CONSTRAINTS, HIGH DENSITY OF CROSS STREETS, 85TH PERCENTILE SPEEDS OF 45 MPH OR LESS.
 RURAL: ANY AREA NOT EXHIBITING MORE THAN ONE OF THE ABOVE CHARACTERISTICS.
 EXPRESSWAY: DIVIDED HIGHWAYS FOR TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS.
 FREEWAYS/INTERSTATE: LOCAL OR INTER REGIONAL HIGH-SPEED, DIVIDED, HIGH-VOLUME FACILITIES WITH FULL OR PARTIAL CONTROL OF ACCESS.

LONG-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.
INTERMEDIATE-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

SYMBOL	DESCRIPTION
	ARROW PANEL
	ARROW PANEL, CAUTION MODE
	ARROW PANEL TRAILER OR SUPPORT
	CHANGEABLE MESSAGE SIGN (PVMS)
	CHANNELIZING DEVICE
	CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR
	DIRECTION OF TEMPORARY TRAFFIC DETOUR
	DIRECTION OF TRAFFIC
	FLAGGER
	FLAG TREE
	LUMINAIRE
	PAVEMENT MARKINGS THAT SHALL BE REMOVED FOR A LONG TERM PROJECT
	SIGN, TEMPORARY
	TEMPORARY BARRIER
	TEMPORARY BARRIER WITH WARNING LIGHTS
	TRAFFIC OR PEDESTRIAN SIGNAL
	TYPE III BARRICADE
	WARNING LIGHTS
	WORK SPACE
	WORK VEHICLE
	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

NO. DATE BY REVISION



Barton & Loguidice, D.P.C.
 STATE STREET
 GREEN INFRASTRUCTURE IMPROVEMENTS
 ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION
 CITY OF SYRACUSE
 ONONDAGA COUNTY

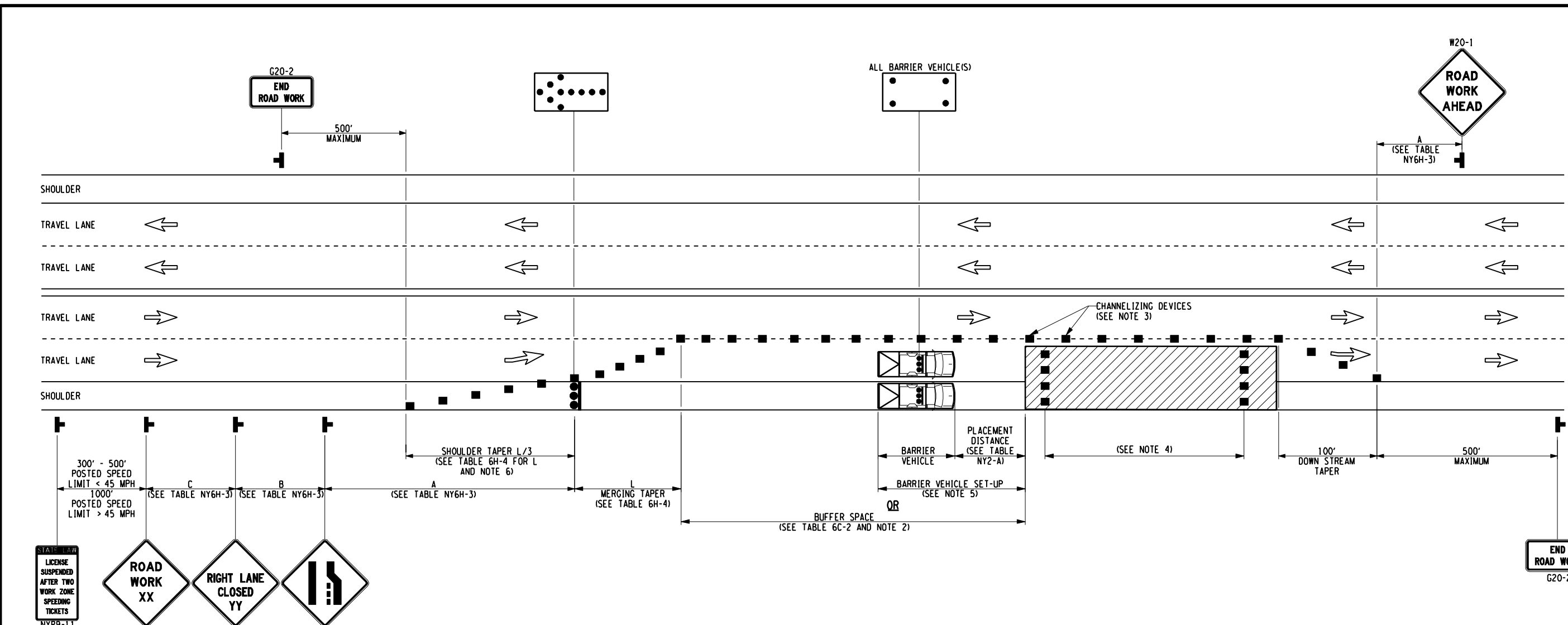
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WORK ZONE TRAFFIC CONTROL TABLES AND SYMBOLS
 SCALE: NONE
 DATE ISSUED: 05/2016
 DRAWING WZTC-2

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FILE NAME = I:\shared\000\055159\055159.WZTC03.dgn
 DATE = 5/26/2016
 TIME = 10:47:31 AM

IN CHARGE OF JPD
 DESIGNED BY KAW
 CHECKED BY MCB
 DRAFTED BY PJK/KAW
 CHECKED BY KAW



SINGLE LANE CLOSURE
 SHORT OR INTERMEDIATE TERM STATIONARY
 MULTI LANE HIGHWAY (UNDIVIDED)
 (NOT TO SCALE)

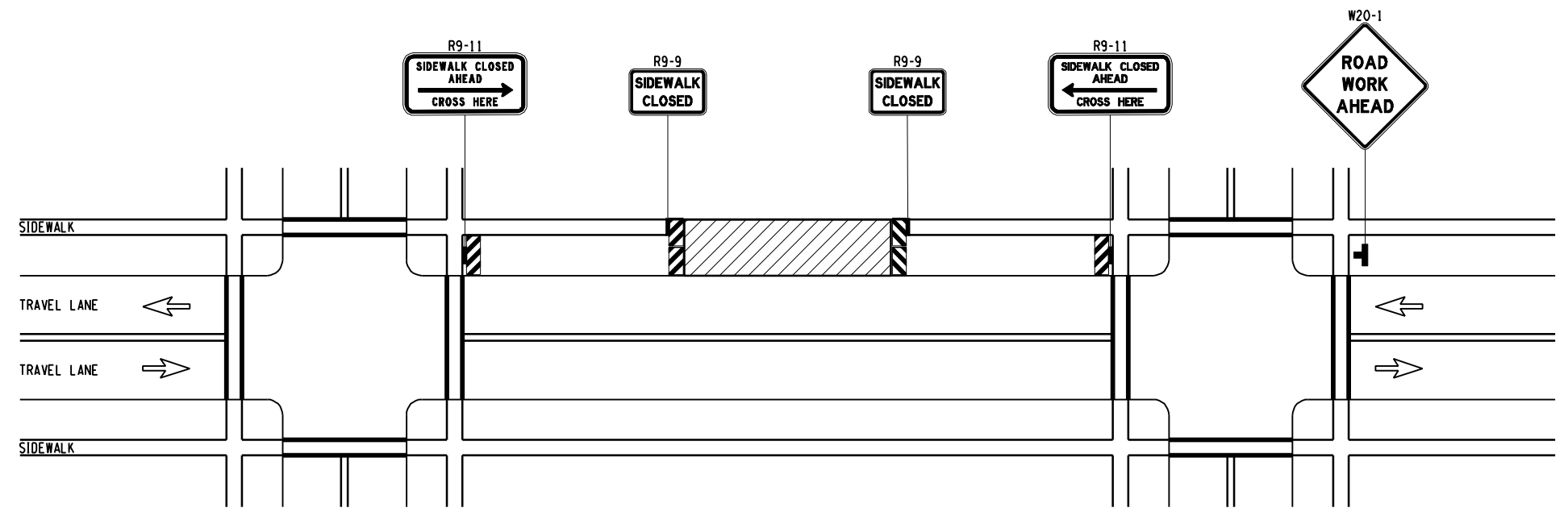
- NOTES:
- LEFT LANE CLOSURES ARE SYMMETRICAL TO RIGHT LANE CLOSURES. SUBSTITUTE LEFT LANE CLOSED SIGN (W20-5) AND THE CORRESPONDING LANE ENDS SIGN (W4-2L).
 - NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
 - CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
 - TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.
 - FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES NY1-A AND NY2-A ON THE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
 - WHEN PAVED SHOULDERS HAVING A WIDTH OF 8' OR MORE ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK SPACE AND TO DIRECT VEHICULAR TRAFFIC TO REMAIN IN THE TRAVELED WAY.

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016

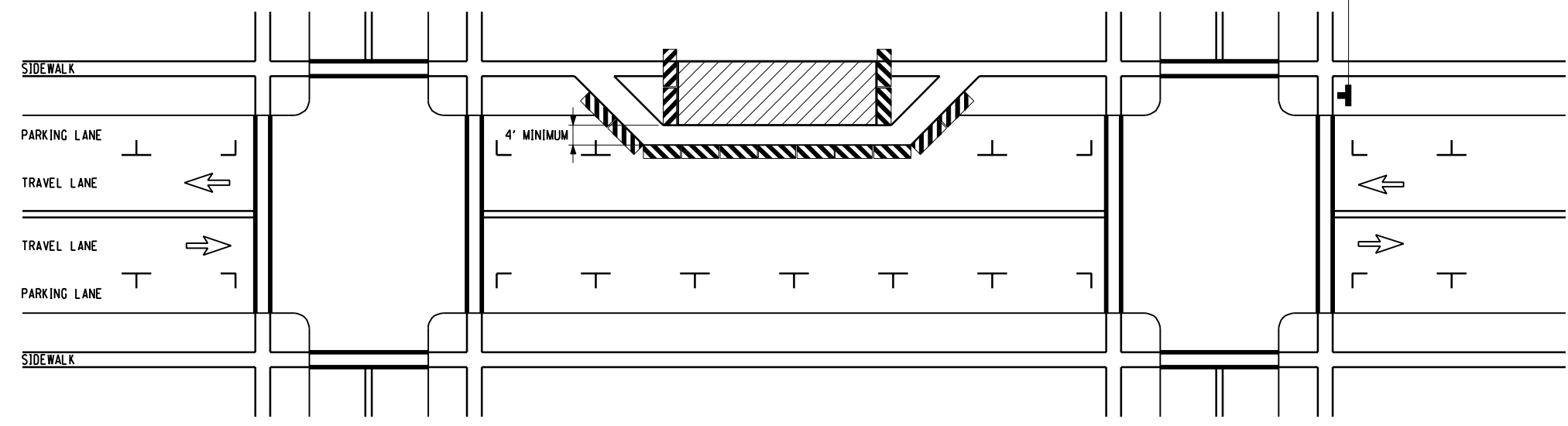


NO. DATE BY REVISION		 ONONDAGA COUNTY
 Barton & Loguidice, D.P.C.		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209
STATE STREET GREEN INFRASTRUCTURE IMPROVEMENTS ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION CITY OF SYRACUSE ONONDAGA COUNTY		
SINGLE LANE CLOSURE		SCALE: NONE DATE ISSUED: 05/2016 DRAWING WZTC-3
PREPARED BY: BARTON & LOGUIDICE, D.P.C. ON: MAY 2016		

IN CHARGE OF JPD DESIGNED BY KAW CHECKED BY MCB DRAFTED BY PJZ/KAW CHECKED BY KAW



SIDEWALK DETOUR
 SHORT, INTERMEDIATE, OR LONG TERM STATIONARY
 2-LANE 2-WAY ROADWAY
 (NOT TO SCALE)



SIDEWALK DIVERSION
 SHORT, INTERMEDIATE, OR LONG TERM STATIONARY
 2-LANE 2-WAY ROADWAY
 (NOT TO SCALE)

PREPARED BY: BARTON & LOGUIDICE, D.P.C.
 ON: MAY 2016



NOTES:

1. WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING FACILITY.
2. WHERE HIGH SPEEDS ARE ANTICIPATED, A TEMPORARY TRAFFIC BARRIER AND TEMPORARY IMPACT ATTENUATOR SHOULD BE USED TO SEPARATE THE TEMPORARY SIDEWALKS FROM VEHICULAR TRAFFIC.
3. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR ROAD NARROWS SIGNS (W5-4), MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
4. FOR NIGHTTIME CLOSURES, FLASHING WARNING LIGHTS SHALL BE USED ON BARRICADES SUPPORTING SIGNS AND CLOSING SIDEWALKS.
5. SIGNS SUCH AS KEEP RIGHT (LEFT) SHALL BE PLACED ALONG A TEMPORARY SIDEWALK, WHERE APPLICABLE AND ACCORDING TO AMERICAN WITH DISABILITIES STANDARDS, TO GUIDE OR DIRECT PEDESTRIANS.
6. TYPE II BARRICADES MAY BE SUBSTITUTED FOR TYPE III BARRICADES AS PER 619 NYSDDT STANDARD SPECIFICATIONS.

NO.	DATE	BY	REVISION



ONONDAGA COUNTY



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STATE STREET
 GREEN INFRASTRUCTURE IMPROVEMENTS
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 WATER ENVIRONMENT PROTECTION
 CITY OF SYRACUSE
 ONONDAGA COUNTY

SIDEWALK DETOUR
 OR
 DIVERSION

SCALE:
 DATE ISSUED: 05/2016
 DRAWING
 WZTC-4