LEGEND

	EXISTING TOWNSHIP BOUNDARY
	EXISTING LOT LINE
BLOCK 4	EXISTING BLOCK NUMBER
11	EXISTING LOT NUMBER
95	EXISTING 5' INTERVAL CONTOUR LINE
90	EXISTING 10' INTERVAL CONTOUR LINE
OF10000	OUTFALL
INL11000	INLET
ITC12000	INTERCONNECTION
MH13000	MANHOLE
DA1	DRAINAGE AREA
CVNT4000	CONVEYANCE
MSF15000	MUNICIPAL OWNED STORMWATER FACILITIES
NSF16000	NON-MUNICIPAL OWNED STORMWATER FACILITIES
GWDIP17000	GROUND WATER DISCHARGE
	STREAM
	DRAINAGE DITCH
	BOROUGH OWNED LOTS
	PUBLIC COMPLEX PROPERTY
	HUC14 BOUNDARY
	OUTFALL DRAINAGE AREA
	INTERCONNECTION DRAINAGE AREA
	6" STORM PIPE
	8" STORM PIPE
	10" STORM PIPE
	12" STORM PIPE
	15" STORM PIPE
	18" STORM PIPE
	24" STORM PIPE
	36" STORM PIPE
	45" STORM PIPE
	48" STORM PIPE
	UNKNOWN PIPE

KEY MAP

SCALE: N.T.S.

GENERAL NOTES:

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SEE SHEET 2

SEE SHEET 3

GRAPHIC SCALE
0 100 200 feet
SCALE: 1" =100'

DRAWN	DATE	REVISIONS	CHK'D

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ELMER MS4 INFRASTRUCTURE MAP

STORM SEWER SYSTEM
TOWNSHIP OF ELMER, SALEM COUNTY, NEW JERSEY

PREPARED BY
CONSULTING ENGINEER SERVICES
PROFESSIONAL ENGINEERS, PLANNERS, & LAND SURVEYORS
645 BERLIN-CROSS KEYS ROAD, SUITE 1, SICKLERVILLE, NJ 08081
PHONE (856) 228-2200 – FAX (856) 232-2346 – EMAIL designlines-1.com
NJ CERTIFICATE OF AUTHORIZATION No's 24GA27957700, 21MH00134

DATE 11/11/25 SCALE 1"=100 CES No. 3677-17 DRAWN BY MTS SHT. No. 1 OF 6

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LEGEND

	EXISTING TOWNSHIP BOUNDARY
	EXISTING LOT LINE
BLOCK 4	EXISTING BLOCK NUMBER
11	EXISTING LOT NUMBER
95	EXISTING 5' INTERVAL CONTOUR LINE
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OF10000	OUTFALL
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	45" STORM PIPE
	48" STORM PIPE
	UNKNOWN PIPE

TAX MAP NORTH

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ELMER MS4 INFRASTRUCTURE MAP

STORM SEWER SYSTEM
TOWNSHIP OF ELMER, SALEM COUNTY, NEW JERSEY

DRWN	DATE	REVISIONS	CHK'D

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DATE 11/11/25 SCALE 1"=100 CES No. 3677-17 DRWN BY MTS SHT. No. 2 OF 6

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LEGEND

	EXISTING TOWNSHIP BOUNDARY
	EXISTING LOT LINE
BLOCK 4	EXISTING BLOCK NUMBER
11	EXISTING LOT NUMBER
95	EXISTING 5' INTERVAL CONTOUR LINE
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OF10000	OUTFALL
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	STREAM
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	HUC14 BOUNDARY
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GRAPHIC SCALE
0 100 200 Feet
SCALE: 1" = 100'

ELMER MS4 INFRASTRUCTURE MAP

STORM SEWER SYSTEM
TOWNSHIP OF ELMER, SALEM COUNTY, NEW JERSEY

DRAWN	DATE	REVISIONS	CHK'D

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DATE 11/11/25 SCALE 1"=100 CES No. 3677-17 DRAWN BY MTS SHT. No. 3 OF 6

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LEGEND

	EXISTING TOWNSHIP BOUNDARY
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BLOCK 4	EXISTING BLOCK NUMBER
(1)	EXISTING LOT NUMBER
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DRWN	DATE	REVISIONS	CHK'D

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ELMER MS4 INFRASTRUCTURE MAP

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TOWNSHIP OF ELMER, SALEM COUNTY, NEW JERSEY

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LEGEND

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0 100 200 Feet
SCALE: 1" = 100'

DRAWN	DATE	REVISIONS	CHK'D

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ELMER MS4 INFRASTRUCTURE MAP

STORM SEWER SYSTEM

TOWNSHIP OF ELMER, SALEM COUNTY, NEW JERSEY

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CONVEYANCE

LOCAL ID	TYPE	DIRECTION OF FLOW
CVN10120	12"CIP	E
CVN10124	15"RCP	N
CVN10134	15"RCP	S
CVN10135	18"RCP	S
CVN10136	36"RCP	S
CVN10137	15"RCP	S
CVN10138	24"RCP	W
CVN10139	24"RCP	W
CVN10140	18"RCP	S
CVN10141	24"RCP	NE
CVN10142	24"RCP	NE
CVN10143	15"RCP	NW
CVN10144	24"RCP	SW
CVN10145	21"RCP	SE
CVN10146	21"RCP	NW
CVN10147	15"RCP	NW
CVN10148	18"RCP	SE
CVN10149	18"RCP	NE
CVN10150	18"RCP	SE
CVN10151	18"RCP	N
CVN10152	15"RCP	SE
CVN10153	15"RCP	NE
CVN10154	12"CIP	SE
CVN10155	12"VCP	SE
CVN10156	12"CIP	NW
CVN10157	12"RCP	SW
CVN10158	18"RCP	SW
CVN10159	18"RCP	SW
CVN10160	18"RCP	SE
CVN10161	24"RCP	S
CVN10162	24"RCP	E
CVN10163	21"RCP	NW
CVN10164	12"RCP	NE
CVN10165	15"RCP	NW
CVN10166	15"RCP	NE
CVN10167	15"RCP	NW
CVN10168	15"RCP	SW
CVN10169	12"RCP	SW
CVN10170	15"RCP	NE
CVN10171	15"RCP	SE
CVN10172	15"RCP	NE
CVN10173	15"RCP	E
CVN10174	18"RCP	NE
CVN10175	15"RCP	NE
CVN10176	15"RCP	NE
CVN10177	15"RCP	E
CVN10178	15"RCP	SE
CVN10179	15"RCP	NE
CVN10180	18"RCP	NE
CVN10181	12"RCP	NW
CVN10182	12"RCP	NE
CVN10183	15"RCP	SE
CVN10184	15"RCP	NE
CVN10185	15"RCP	SE
CVN10186	12"RCP	S
CVN10187	12"RCP	W
CVN10188	12"RCP	SE
CVN10189	15"RCP	E
CVN10190	15"RCP	SE
CVN10191	15"RCP	SW
CVN10192	18"RCP	SE
CVN10193	18"RCP	SW
CVN10194	15"RCP	NW
CVN10195	24"RCP	SW
CVN10196	12"CIP	SE
CVN10197	12"CIP	NW
CVN10198	24"RCP	SW
CVN10199	24"RCP	SW
CVN10200	15"RCP	SE
CVN10201	15"RCP	NE
CVN10202	15"RCP	SE
CVN10203	12"RCP	NE
CVN10204	15"RCP	SE
CVN10205	DRAINAGE DITCH	NE
CVN10206	18"RCP	NE
CVN10207	15"RCP	SE
CVN10208	18"RCP	NE
CVN10209	12"RCP	S
CVN10210	18"RCP	SW
CVN10211	12"RCP	S
CVN10212	15"RCP	E
CVN10213	12"CIP	E

INTERCONNECTIONS

LOCAL ID	TYPE	UPSTREAM ENTITY	DOWNSTREAM ENTITY
ITC11001	18"CIP	BOROUGH OF ELMER'S MS4	NJDOT MS4
ITC11002	18"RCP	NJDOT MS4	BOROUGH OF ELMER'S MS4
ITC11003	24"RCP	NJDOT MS4	BOROUGH OF ELMER'S MS4
ITC11004	15"RCP	BOROUGH OF ELMER'S MS4	NJDOT MS4
ITC11005	15"RCP	BOROUGH OF ELMER'S MS4	NJDOT MS4
ITC11006	15"RCP	BOROUGH OF ELMER'S MS4	NJDOT MS4
ITC11007	15"RCP	BOROUGH OF ELMER'S MS4	NJDOT MS4
ITC11008	15"RCP	NJDOT MS4	BOROUGH OF ELMER'S MS4
ITC11009	12"RCP	PRIVATE STORMWATER SYSTEM	BOROUGH OF ELMER'S MS4
ITC11010	12"RCP	PRIVATE STORMWATER SYSTEM	BOROUGH OF ELMER'S MS4
ITC11011	12"RCP	PRIVATE STORMWATER SYSTEM	BOROUGH OF ELMER'S MS4
ITC11012	15"RCP	PRIVATE STORMWATER SYSTEM	BOROUGH OF ELMER'S MS4
ITC11013	24"RCP	BOROUGH OF ELMER'S MS4	SALEM COUNTY MS4
ITC11014	15"RCP	BOROUGH OF ELMER'S MS4	SALEM COUNTY MS4
ITC11015	12"RCP	BOROUGH OF ELMER'S MS4	SALEM COUNTY MS4
ITC11016	12"RCP	PRIVATE STORMWATER SYSTEM	BOROUGH OF ELMER'S MS4
ITC11017	15"RCP	PITTSGROVE TOWNSHIP MS4	BOROUGH OF ELMER'S MS4
ITS11018	24"RCP	BOROUGH OF ELMER'S MS4	PITTSGROVE TOWNSHIP MS4
ITC11019	OPEN CHANNEL	BOROUGH OF ELMER'S MS4	SALEM COUNTY MS4
ITC11020	18" RCP	PRIVATE STORMWATER SYSTEM	BOROUGH OF ELMER'S MS4
ITC11021	8" PVC	PRIVATE STORMWATER SYSTEM	BOROUGH OF ELMER'S MS4

STORMWATER OUTFALLS

LOCAL OUTFALL ID	TYPE	RECEIVING SURFACE WATER BODY	WATER QUALITY CLASSIFICATION
OF12000	B INLET	MUDDY RUN TRIBUTARY	FW2-NT
OF12001	B INLET	MUDDY RUN TRIBUTARY	FW2-NT
OF12002	OPEN CHANNEL	MUDDY RUN TRIBUTARY	FW2-NT
OF12003	24" RCP	MUDDY RUN TRIBUTARY	FW2-NT
OF12004	24" RCP	MUDDY RUN TRIBUTARY	FW2-NT
OF12005	18" RCP	ELMER LAKE	FW2-NTC1
OF12006	12" VCP	ELMER LAKE	FW2-NTC1
OF12007	HEADWALL	MUDDY RUN TRIBUTARY	FW2-NT
OF12008	18" RCP	MUDDY RUN TRIBUTARY	FW2-NT
OF12009	18" RCP	MUDDY RUN TRIBUTARY	FW2-NT
OF12010	15" RCP	MUDDY RUN TRIBUTARY	FW2-NT
OF12011	12" RCP	MUDDY RUN TRIBUTARY	FW2-NT
OF12012	12" CIP	MUDDY RUN	FW2-NTC1

MUNICIPALLY OWNED OR OPERATED STORMWATER FACILITIES

LOCAL ID	TYPE	LOCATION	BLOCK	LOT
MSF14001	RAIN GARDEN	ELMER BOROUGH HALL	26	14

MS4 GROUND WATER DISCHARGE POINT

LOCAL ID	TYPE	LOCATION	BLOCK	LOT
GWDP17001	RAIN GARDEN	ELMER BOROUGH HALL	26	14

NON-MUNICIPALLY OWNED OR OPERATED STORMWATER FACILITIES

LOCAL ID	TYPE	OWNER	BLOCK	LOT
NSF13001	RETENTION BASIN/WET POND	PENNSVILLE NATIONAL BANK	3	34
NSF13002	DETENTION BASIN	FIRST NATIONAL BANK OF ELMER	18	18
NSF13003	INFILTRATION BASIN	DG MARKET	15	6
NSF13004	INFILTRATION BASIN	A. FOOTE REPAIR SERVICE	18	7
NSF13005	RETENTION BASIN/WET POND	ST. ANN'S RESIDENCE	19	7
NSF13006	INFILTRATION BASIN	WARMUTH INSTITUTE OF DERMATOLOGY	13	10
NSF13007	DETENTION BASIN	PREMIER WOMEN'S HEALTH OF SOUTH JERSEY	12	2.05
NSF13008	INFILTRATION BASIN	BRIGHTPATH ELMER CHILD CARE CENTER	12	10
NSF13009	INFILTRATION BASIN	INSPIRA VESTIBULAR PROGRAM ELMER	12	11
NSF13010	RETENTION BASIN/WET POND	INSPIRA MEDICAL CENTER ELMER	12	13
NSF13011	RETENTION BASIN/WET POND	STANKER & GALETTO, INC	12	14

STORMWATER DRAINAGE AREAS

DRAINAGE AREA ID	DRAINAGE AREA (ACRES)	INTERCONNECTION OR OUTFALL	PRIMARY CONTRIBUTING DRAINAGE AREA TYPE
DA1	0.201	BOROUGH MS4 OUTFALL (OF12000)	URBAN
DA2	1.926	BOROUGH MS4 OUTFALL (OF12001)	URBAN
DA3	1.442	INTERCONNECTION TO NJDOT MS4	URBAN
DA4	2.457	INTERCONNECTION TO NJDOT MS4	URBAN
DA5	0.347	INTERCONNECTION TO NJDOT MS4	URBAN
DA6	4.823	INTERCONNECTION TO NJDOT MS4	URBAN
DA7	0.308	INTERCONNECTION TO NJDOT MS4	URBAN
DA8	3.423	INTERCONNECTION TO NJDOT MS4	URBAN
DA9	4.087	BOROUGH MS4 OUTFALL (OF12002)	URBAN
DA10	11.828	BOROUGH MS4 OUTFALL (OF12003)	URBAN
DA11	4.363	BOROUGH MS4 OUTFALL (OF12004)	URBAN
DA12	3.671	INTERCONNECTION TO SALEM COUNTY MS4	URBAN
DA13	1.618	BOROUGH MS4 OUTFALL (OF12007)	URBAN
DA14	13.411	BOROUGH MS4 OUTFALL (OF12008)	URBAN
DA15	1.738	BOROUGH MS4 OUTFALL (OF12009)	URBAN
DA16	7.499	BOROUGH MS4 OUTFALL (OF12010)	URBAN
DA17	2.035	BOROUGH MS4 OUTFALL (OF12011)	URBAN
DA18	6.121	BOROUGH MS4 OUTFALL (OF12005)	URBAN
DA19	1.146	BOROUGH MS4 OUTFALL (OF12006)	URBAN
DA20	0.384	INTERCONNECTION TO SALEM COUNTY MS4	URBAN
DA21	1.282	INTERCONNECTION TO SALEM COUNTY MS4	URBAN
DA22	0.129	BOROUGH MS4 OUTFALL (OF12012)	URBAN
DA23	7.108	INTERCONNECTION TO PITTSGROVE TOWNSHIP MS4	URBAN

MANHOLES

LOCAL ID	ROAD NAME
MH10012	CENTER ST
MH10013	CENTER ST
MH10018	CENTER ST
MH10025	ELMER ST & PARK ST
MH10067	FRONT ST & STATE ST
MH10073	SOUTH MAIN ST
MH10077	SOUTH MAIN ST
MH10079	SOUTH MAIN ST
MH10081	SOUTH MAIN ST
MH10084	SOUTH MAIN ST
MH10100	THIRD ST
MH10102	THIRD ST

STORM DRAIN INLETS

LOCAL ID	TYPE	CATCH BASIN PRESENT?	LABEL PRESENT?	CURB PIECE RETROFITTED?	GRATE RETROFITTED?
INL10001	TYPE B	Y	Y	Y	Y
INL10002	TYPE B	Y	Y	N	N
INL10003	TYPE B	Y	Y	N	N
INL10004	TYPE B	Y	Y	N	N
INL10005	TYPE B	Y	Y	N	N
INL10006	TYPE B	Y	Y	N	N
INL10007	TYPE B	Y	Y	N	N
INL10008	TYPE B	Y	Y	N	N
INL10009	TYPE B	Y	Y	N	N
INL10010	TYPE B	Y	Y	N	N
INL10011	TYPE B	Y	Y	N	N
INL10014	TYPE B	Y	Y	N	N
INL10016	TYPE B	Y	Y	N	N
INL10017	TYPE B	Y	Y	N	N
INL10020	TYPE B	Y	Y	N	N
INL10021	TYPE B	Y	Y	N	N
INL10022	TYPE B	Y	Y	N	N
INL10026	TYPE B	Y	Y	N	Y
INL10027	TYPE B	Y	Y	N	Y
INL10031	TYPE B	Y	Y	N	Y
INL10032	TYPE B	Y	N	N	Y
INL10035	TYPE B	Y	Y	N	Y
INL10036	TYPE B	Y	Y	N	Y
INL10037	TYPE B	Y	N	N	N
INL10038	TYPE B	Y	Y	N	N
INL10041	TYPE B	Y	Y	N	Y
INL10042	TYPE A	Y	N	N/A	Y
INL10043	TYPE B	Y	Y	N	Y
INL10044	TYPE B	Y	Y	N	Y
INL10046	TYPE E	Y	N	N/A	Y
INL10047	TYPE B	Y	Y	N	Y
INL10048	TYPE B	Y	Y	N	Y
INL10049	TYPE B	Y	Y	N	Y
INL10051	TYPE B	Y	Y	Y	Y
INL10052	TYPE B	Y	Y	Y	Y
INL10053	TYPE B	Y	Y	Y	Y
INL10055	TYPE A	Y	Y	N/A	Y
INL10056	TYPE B	Y	Y	Y	Y
INL10057	TYPE B	Y	Y	Y	Y
INL10060	TYPE B	Y	Y	Y	Y
INL10061	TYPE B	Y	Y	Y	Y
INL10062	TYPE B	Y	Y	Y	Y
INL10063	TYPE B	Y	Y	Y	Y
INL10064	TYPE B	Y	Y	Y	Y
INL10065	TYPE B	Y	Y	Y	Y
INL10066	TYPE B	Y	Y	Y	Y
INL10069	TYPE B	Y	N	N	N
INL10070	TYPE B	Y	Y	N	Y
INL10072	TYPE B	Y	Y	N	Y
INL10074	TYPE B	Y	Y	N	Y
INL10075	TYPE A	Y	N	N/A	N
INL10076	TYPE B	Y	Y	N	N
INL10078	TYPE A	Y	N	N/A	N
INL10080	TYPE B	Y	N	N	N
INL10083	TYPE B	Y	N	N	N
INL10088	TYPE DBL B	Y	Y	Y	Y
INL10090	TYPE DBL B	Y	Y	Y	Y
INL10094	TYPE B	Y	Y	Y	Y
INL10097	TYPE DBL B	Y	Y	Y	Y
INL10101	TYPE B	Y	Y	Y	Y
INL10103	TYPE B	Y	Y	Y	Y
INL10104	TYPE B	Y	Y	Y	Y
INL10108	TYPE B	Y	Y	Y	Y
INL10109	TYPE B	Y	N	N	Y
INL10110	TYPE B	Y	Y	Y	Y
INL10111	TYPE E	Y	Y	N/A	Y
INL10114	TYPE B	Y	Y	Y	Y
INL10115	TYPE B	Y	Y	Y	Y
INL10117	TYPE B	N	Y	Y	Y
INL10118	TYPE B	N	Y	Y	Y
INL10121	TYPE A	Y	N	N/A	N
INL10122	TYPE B	Y	Y	Y	Y
INL10123	TYPE B	Y	Y	Y	Y
INL10125	TYPE B	Y	N	N	Y
INL10126	TYPE B	Y	N	N	Y
INL10127	TYPE B	Y	N	Y	Y
INL10128	TYPE B	Y	N	N	Y

DRWN	DATE	REVISIONS	CHK'D

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ELMER MS4 INFRASTRUCTURE MAP

STORM SEWER SYSTEM
TOWNSHIP OF ELMER, SALEM COUNTY, NEW JERSEY

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DATE 11/11/25 SCALE NTS CES No. 3677-17 DRWN BY WTS SHT. No. 6 OF 6