

Appendix A. Design, Palette, Map



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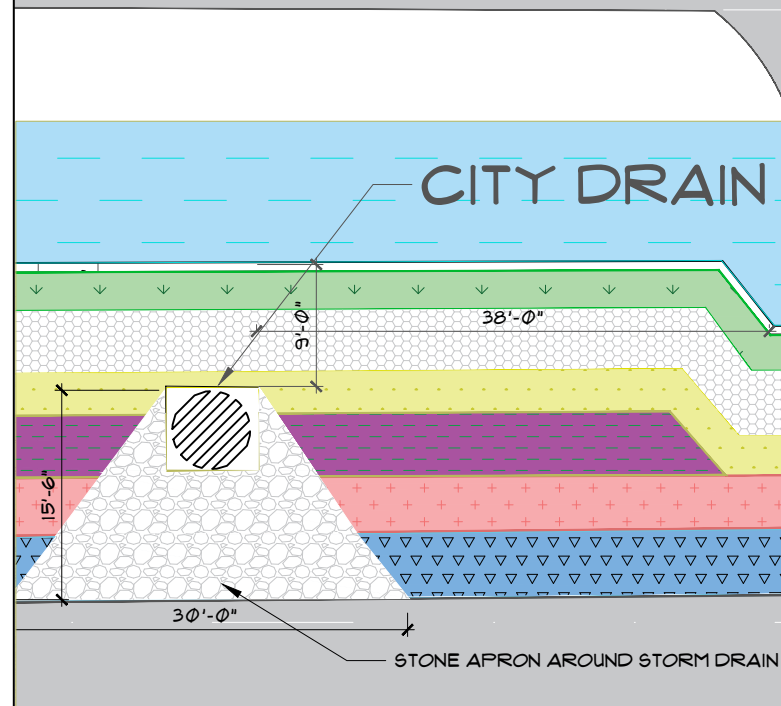
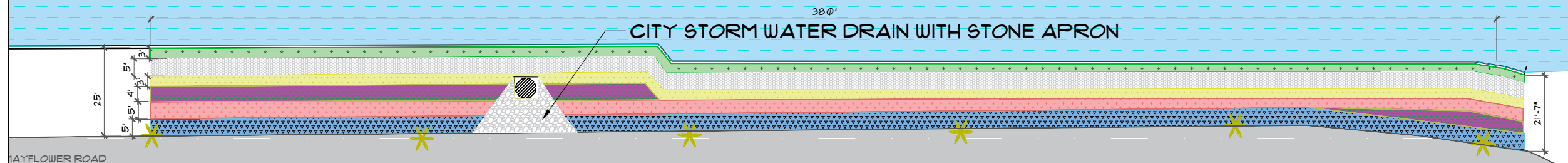
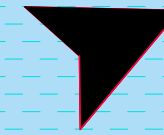
ELIZABETH RIVER
PROJECT






KNITTING MILL CREEK

MAYFLOWER RIPARIAN BUFFER PHASE I

COMPLETE FALL 2023, CONTEXT ONLY



KEY * LIGHT POSTS 75' ON CENTER

-  1,020 SQFT SALTMEADOW HAY - SPARTINA PATENS PLUGGED 5 FT OC WITH SEASHORE MALLOW - KOSTELETSKYA VIRGINICA
-  1,100 SQFT SEA OX-EYE- BORRICHIA FRUTESCENS
-  1,800 SQFT FOX SEDGE - CAREX VULPINOIDEA MIXED WITH COMMON MARSH PINK- SABATIA STELLARIS
-  1,000 SQFT PINK MULEY GRASS - MUHLENBERGIA CAPILLARIS AND COASTAL PLAIN JOE-PYE WEED- EUTROCHIMUM DUBIUM
-  1,850 SQFT LITTLE BLUE STEM - SCHIZACHYRIUM SCOPARIUM AND PRAIRIE DROPSEED - SPOROBOLUS HETEROLEPIS EDGED WITH SALT GRASS - DISTICHLIS SPICATA
-  450 SQFT OF SURGE #4 STONE APRON AROUND STORM DRAIN
-  2,340 SQFT PEDESTRIAN STONE DUST PATH AND SURGE #4 STONE APRON AROUND STORM DRAIN

General Notes

MAYFLOWER BUFFER DESIGN NOTES:

PREPARATION OF BEDS:
SKID STEER RENTAL FOR
COMPACTION AND AMEND WITH
NUTRIENT RICH SOIL

TILL AREA WITH UP TO 8 YARDS OF
BMP COMPOST SOIL MIX

CREATE STORM WATER SWALE
AROUND CITY DRAIN WITH 57 STONE
OR RIVER ROCK

MATERIALS:

STONE DUST VOLUME:
14,074 YD³
WEIGHT: 40 TONS

SURGE #4 STONE 450 SQFT 15 TONS

TOTAL PLANTING SQUARE FEET:
= 7,160

MULCH AND GOOSE PROTECTION

[HTTPS://WWW.LUCKSTONE.COM/PRODUCT/SURGE](https://www.luckstone.com/product/surge)

[HTTPS://WWW.LUCKSTONE.COM/PRODUCT/DUST](https://www.luckstone.com/product/dust)

No.	Revision/Issue	Date










Project Name and Address
MAYFLOWER AND MASSACHUSETTS
RIPARIAN BUFFER
PHASE I
NORFOLK VA

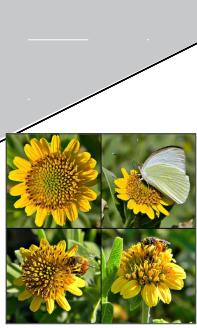
Project	Sheet
Date 3/6/2023	A-1
Scale 1/16"=1'	

MAYFLOWER RIPARIAN BUFFER PHASE 2

TOTAL PLANTING 7,000 SQFT

KEY * LIGHT POSTS 75' ON CENTER

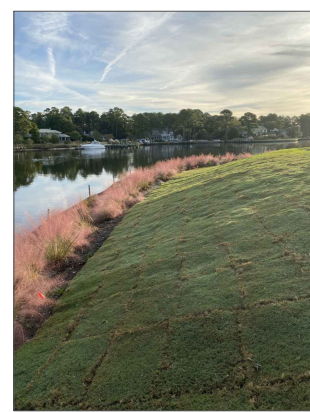
-  1,050 SQFT SALTMEADOW HAY - SPARTINA PATENS PLUGGED 5 FT OC WITH SEASHORE MALLOW - KOSTELETSKYA VIRGINICA
-  1,050 SQFT SEA OX-EYE- BORRICHIA FRUTESCENS
-  1,400 SQFT FOX SEDGE - CAREX VULPINOIDEA MIXED WITH COMMON MARSH PINK- SABATIA STELLARIS
-  1,750 SQFT PINK MULEY GRASS - MIHLENBERGIA CAPILLARIS AND COASTAL FLAIN JOE-PYE WEED- EUTROCIUM DUBIUM
-  1,750 SQFT LITTLE BLUE STEM - SCHIZACHYRIUM SCOPARIUM AND PRAIRIE DROPSEED - SPOROBOLUS HETEROLEPIS EDGED WITH SALT GRASS - DISTICHLIS SPICATA
-  450 SQFT OF SURGE #4 STONE APRON AROUND STORM DRAIN
-  1,750 SQFT PEDESTRIAN STONE DUST PATH AND SURGE #4 STONE APRON AROUND STORM DRAIN



SEA OXEYE



WIRE GRASS
AKA
saltmeadow
hay (*Spartina
patens*)



PINK MUHLEY GRASS
replace with Saltmeadow hay
(*Spartina Patens*)



LITTLE BLUE STEM
replace with desert saltgrass
(*Distichlis spicata*)

The original design called for the **blue shaded area** with triangles to be blue stem, but was changed to **desert saltgrass** (*Distichlis spicata*).

The **pink shaded area** with plus signs was originally pink muhley grass, but it was largely unsuccessful and replanted with **saltmeadow hay** (*Spartina patens*).

The project should use desert saltgrass and saltmeadow hay for those respective areas.

General Notes

MAYFLOWER RIPARIAN BUFFER NOTES:

PROPOSED 350 FEET OF RIPARIAN BUFFER EXTENDED ALONG MAYFLOWER RD

TOTAL PATH OF STONE DUST = 1,750 SQFT

- 3'X350' WIRE GRASS = 1,050 SQFT
- 3'X350' SEA OXEYE = 1,050 SQFT
- 4' X350' CARAX = 1,400 SQFT
- 5'X350' MUHLEY = 1,750 SQFT
- 5'X 350' BLUE STEM = 1,750 SQFT

No.	Revision/Issue	Date

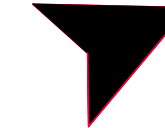


Project Name and Address
RIPARIAN BUFFER MAYFLOWER RD

Project RIPARIAN BUFFER	Sheet A-2
Date 3/6/23	
Scale 1/16" = 1'	

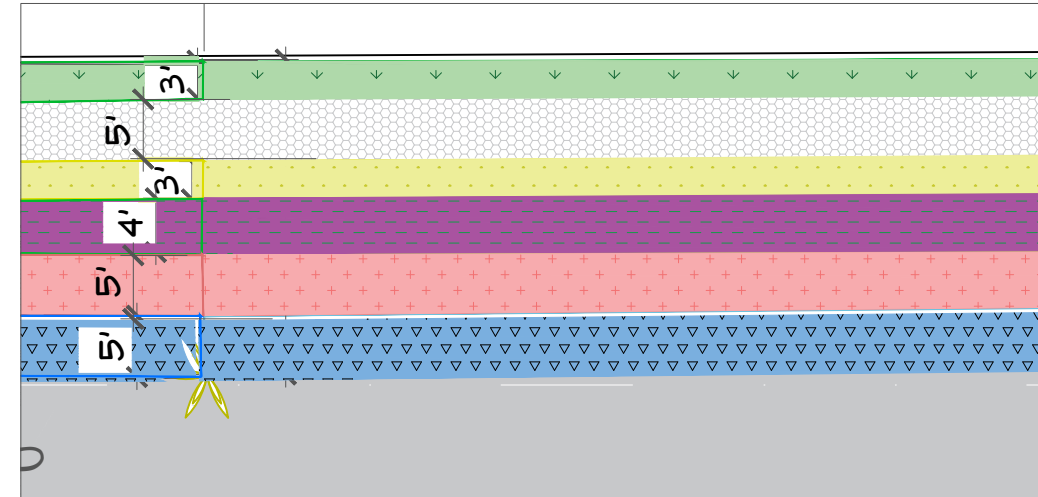
MAYFLOWER RIPARIAN BUFFER PHASE 3

TOTAL PLANTING 4,435 SQFT



KEY * LIGHT POSTS 75' ON CENTER

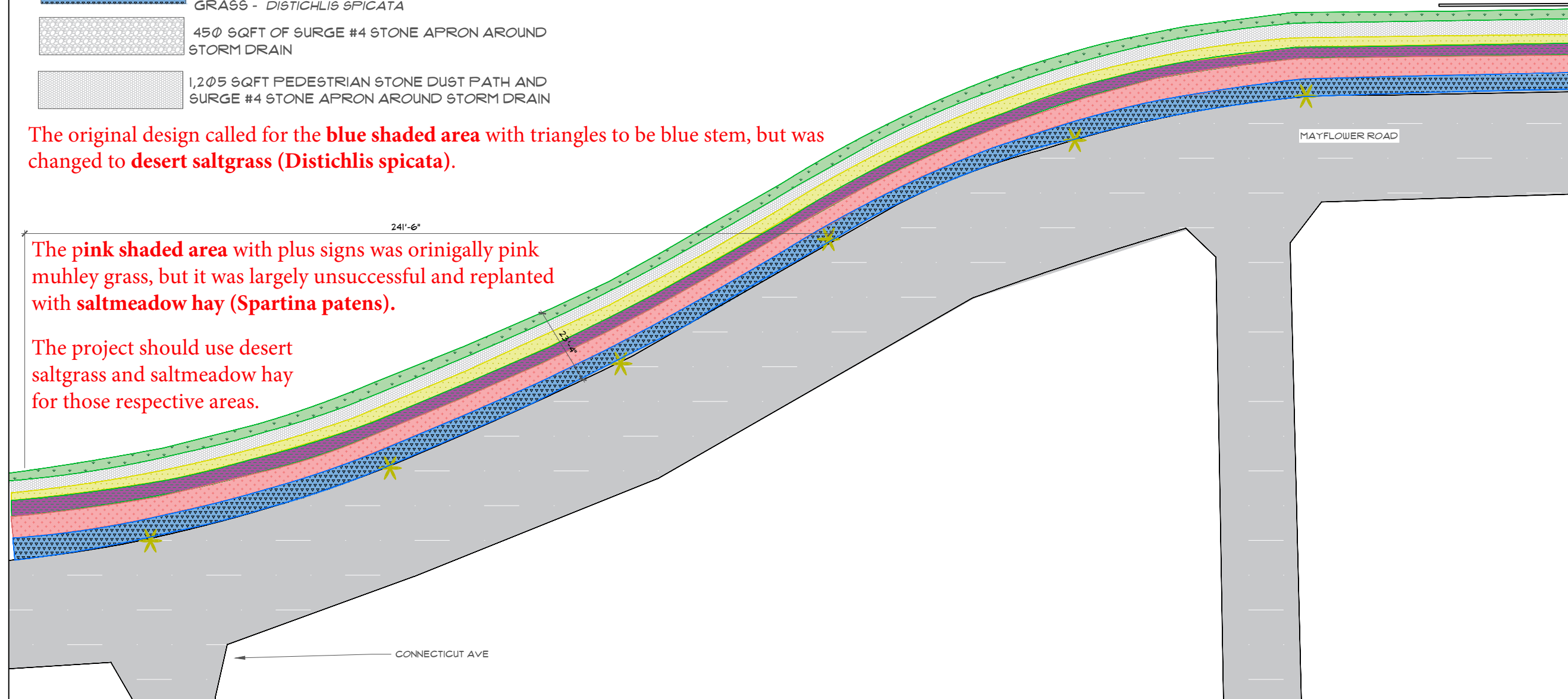
- 720 SQFT SALTMEADOW HAY - SPARTINA PATENS PLUGGED 5 FT OC WITH SEASHORE MALLOW - KOSTELETSKYA VIRGINICA
- 720 SQFT SEA OX-EYE- BORRICHIA FRUTESCENS
- 1,000 SQFT FOX SEDGE - CAREX VULPINOIDEA MIXED WITH COMMON MARSH PINK- SABATIA STELLARIS
- 1,205 SQFT PINK MULEY GRASS - MUHLENBERGIA CAPILLARIS AND COASTAL PLAIN JOE-PYE WEED- EUTROCHUM DUBIUM
- 1,205 SQFT LITTLE BLUE STEM - SCHIZACHYRIUM SCOPARIUM AND PRAIRIE DROPSEED - SPOROBOLUS HETEROLEPIS EDGED WITH SALT GRASS - DISTICHLIS SPICATA
- 450 SQFT OF SURGE #4 STONE APRON AROUND STORM DRAIN
- 1,205 SQFT PEDESTRIAN STONE DUST PATH AND SURGE #4 STONE APRON AROUND STORM DRAIN



The original design called for the **blue shaded area** with triangles to be blue stem, but was changed to **desert saltgrass (Distichlis spicata)**.

The **pink shaded area** with plus signs was originally pink muley grass, but it was largely unsuccessful and replanted with **saltmeadow hay (Spartina patens)**.

The project should use desert saltgrass and saltmeadow hay for those respective areas.



General Notes

MAYFLOWER RIPARIAN BUFFER NOTES:

PROPOSED 241 FEET OF RIPARIAN BUFFER EXTENDED ALONG MAYFLOWER RD

TOTAL PATH OF STONE DUST = 1,205 SQFT

- 3'X350' WIRE GRASS = 720 SQFT
- 3'X350' SEA OX-EYE = 720 SQFT
- 4' X350' CARAX = 1,000 SQFT
- 5'X350' MUHLEY = 1,205 SQFT
- 5'X 350' BLUE STEM = 1,205 SQFT

No.	Revision/Issue	Date



Project Name and Address
MAYFLOWER BUFFER PHASE 3

Project	Sheet
Date	A-3
Scale	

PHASE I NORTH END OF MAYFLOWER ROAD



MAYFLOWER RIPARIAN BUFFER PHASE I NORTH END OF MAYFLOWER ROAD

A RIPARIAN BUFFER IS A VEGETATED SYSTEM DESIGNED TO PROVIDE BENEFITS, SUCH AS FLOOD-WATER QUALITY TREATMENT, TO ITS SURROUNDING AREA AND PROVIDE HABITAT AND BEAUTIFY THE COMMUNITY

General Notes
MAYFLOWER RIPARIAN BUFFER NOTES:
 PROPOSED 3 PHASES OF MAYFLOWER ROAD BUFFER TO

PHASE 1, 2, & 3 MAYFLOWER ROAD



PHASE 1 NORTH END OF MAYFLOWER ROAD

PHASE 2 CENTRAL MAYFLOWER ROAD CENTER POLYGON

PHASE 3 SOUTHERN END OF MAYFLOWER ROAD

No.	Revision/Issue	Date



Project Name and Address

Project	Sheet
Date 3/6/23	A-2
Scale	

MAYFLOWER RIAPRIAN BUFFER PLANT PALETTE



SEASIDE TANSY (*BORRICHIA FRUTESCENS*)



SALTMARSH MALLOW (*KOSTELETZKYA VIRGINICA*)



SABATIA STELLARIS (COMMON MARSH PINK)



SPARTINA PATENS (SALTMADOW CORDGRASS)



DISTICHLIS SPICATA (SALTGRASS)

MAYFLOWER BUFFER



General Notes

No.	Revision/Issue	Date



Project Name and Address

Project	Sheet
Date	A-3
Scale	