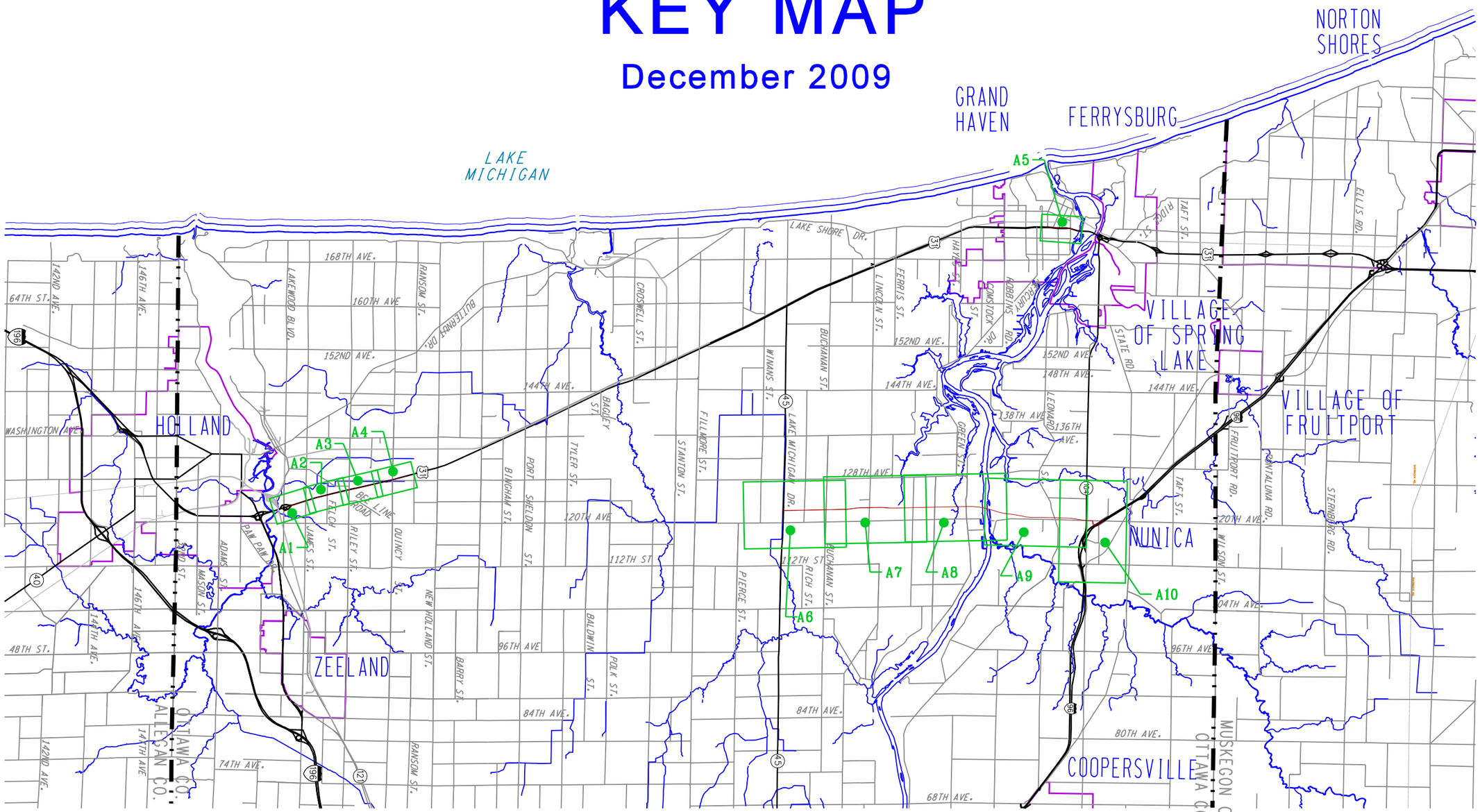
APPENDIX A: PLANS OF THE PREFERRED ALTERNATIVE

Appendix A depicts the Preferred Alternative on 11" x 17" sheets using color line work on top of aerial photography. The aerial photography is from a flight in 2004.

Preferred Alternative as of December 2009 (for planning purposes only)

PREFERRED ALTERNATIVE KEY MAP

December 2009



LEGEND

MDOT Michigan Department of Transportation

STATE PROJ. NO. 33955

FEDERAL NO. FH0536

MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT

KEY MAP

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MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT

FIGURE A1
EAST LAKEWOOD BLVD. TO JAMES STREET

Preferred Alternative as of December 2009 (for planning purposes only)
JAMES STREET
REED'S TIRE
HAWK'S DISCOUNT MUFFLER SERVICE
STORAGE BUILDING FOR BUILDING IN LEASE
VACANT LAND COMMERCIAL DEVELOPMENT
AQUA & MAS. PKGS., INC.
ROYAL RADIANT HEAT
ELECTRIC
VAN ECK CONSTRUCTION
WEST MARINE
GRAND ROLLER RINK
QUALITY DOOR
BUILDING FOR LEASE
DYNAMIC CORPORATION
EAST END RADIATOR SERVICE
VAN OMMEN DR.
MARATHON GAS
AUTO TOP (CANVAS TOPS)
VAN ECK DIESEL SERVICE
DREAM AUTO, INC.
MEDICAL OFFICE
SMALL SHOPS
CHAMPION GYMNASTICS
LAKESHORE HABITAT RESTORE
DISCOUNT TIRE
ABC WAREHOUSE/ ART VAN FURNITURE/ KINKO'S
GORDON FOODS
KRAGSPOUGH CT.
BILL'S GREENHOUSE
LOWE'S
SALVATION ARMY
PET SUPPLIES PLUS
CIRCUIT CITY
TJ MAXX
OFFICE MAX
OLD NAVY
JOANN FABRICS
SHOE CARNIVAL
CARD & PARTY GIANT
BED BATH & BEYOND
BARNES & NOBLE
IHOP
BERRYFIELD CONDOS
BEE LINE ROAD
STA. 313+00.00
STA. 355+00.00
DRAIN #9
US-31
O'CHARLEY'S
BUILDING FOR LEASE
BROADWAY CAFE
LA SALLE BANK
DAIRY QUEEN
WEST SHORE CENTER
RUBY TUESDAY'S
WESTSHORE CENTER
JOHNNY CARINOS
CULVER'S RESTAURANT
PANERA BREAD
FAMILY RETAIL SHOPS GALLERIA
BELLE TIRE
BAREMAN DRAIN
SEANS
STRIP MALL
BERENDS HENDRICKS
FAIRFIELD INN
WEST SHORE DRIVE
BEST WESTERN
FIRST RESOURCE
WESTSHORE MALL
HOBBY LOBBY
HAMPTON INN
WENDY'S
FELCH STREET
HOLIDAY INN EXPRESS
STRIP MALL
CANCER & HEMATOLOGY
OTTAWA COUNTY HUMAN SERVICES
HOLLAND CREDIT UNION
WINDMILL LAKES APARTMENTS
ADVANCED AUTO
KOHL'S
NORTHSIDE C.O.
RILEY STREET
160 ft
0
160 ft
LEGEND
PROPERTY PARCEL LINE
GAS LINE
ELECTRIC UTILITY LINE
CORPORATE BOUNDARY
SCHOOL BOUNDARY
PARK BOUNDARY
EXISTING LIMITED ACCESS R-O-W
EXISTING GENERAL PUBLIC R-O-W
GENERAL PUBLIC R-O-W
LIMITED ACCESS R-O-W
AFFECTED PROPERTY
PROPOSED DRAINAGE POND
DRAINAGE FLOW
DELINEATED WETLANDS
100-YEAR FLOODPLAINS
PROPOSED ROADWAY
EXISTING ROADWAY
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL
PROPOSED CUL-DE-SAC
PROPOSED ROAD CLOSURE
PROPOSED SIDEWALK
PROPOSED BRIDGE
MDOT
Michigan Department of Transportation
STATE PROJ. NO.
33955
FEDERAL NO.
FH0536
MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT
FIGURE A2
JAMES STREET TO RILEY STREET

160 ft 0 160 ft

LEGEND

PROPERTY PARCEL LINE
GAS LINE
ELECTRIC UTILITY LINE
CORPORATE BOUNDARY
SCHOOL BOUNDARY
PARK BOUNDARY
EXISTING LIMITED ACCESS R-O-W

EXISTING GENERAL PUBLIC R-O-W
GENERAL PUBLIC R-O-W
LIMITED ACCESS R-O-W
AFFECTED PROPERTY
PROPOSED DRAINAGE POND
DRAINAGE FLOW

DELINEATED WETLANDS
100-YEAR FLOODPLAINS
PROPOSED ROADWAY
EXISTING ROADWAY
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL

PROPOSED CUL-DE-SAC
PROPOSED ROAD CLOSURE
PROPOSED SIDEWALK
PROPOSED BRIDGE

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STATE PROJ. NO. 33955

FEDERAL NO. FH0536

MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT

FIGURE A3
RILEY STREET TO GREENLY STREET

160 ft 0 160 ft

LEGEND

PROPERTY PARCEL LINE
GAS LINE
ELECTRIC UTILITY LINE
CORPORATE BOUNDARY
SCHOOL BOUNDARY
PARK BOUNDARY
EXISTING LIMITED ACCESS R-O-W

EXISTING GENERAL PUBLIC R-O-W
GENERAL PUBLIC R-O-W
LIMITED ACCESS R-O-W
AFFECTED PROPERTY
PROPOSED DRAINAGE POND
DRAINAGE FLOW

DELINEATED WETLANDS
100-YEAR FLOODPLAINS
PROPOSED ROADWAY
EXISTING ROADWAY
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL

PROPOSED CUL-DE-SAC
PROPOSED ROAD CLOSURE
PROPOSED SIDEWALK
PROPOSED BRIDGE

MDOT Michigan Department of Transportation

STATE PROJ. NO. 33955

FEDERAL NO. FH0536

MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT

FIGURE A4
GREENLY STREET TO NORTH OF QUINCY STREET

160 ft 0 160 ft

LEGEND

PROPERTY PARCEL LINE
GAS LINE
ELECTRIC UTILITY LINE
CORPORATE BOUNDARY
SCHOOL BOUNDARY
PARK BOUNDARY
EXISTING LIMITED ACCESS R-O-W
EXISTING GENERAL PUBLIC R-O-W
GENERAL PUBLIC R-O-W
LIMITED ACCESS R-O-W
AFFECTED PROPERTY
PROPOSED DRAINAGE POND
DRAINAGE FLOW
DELINEATED WETLANDS
100-YEAR FLOODPLAINS
PROPOSED ROADWAY
EXISTING ROADWAY
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL
PROPOSED CUL-DE-SAC
PROPOSED ROAD CLOSURE
PROPOSED SIDEWALK
PROPOSED BRIDGE

MDOT Michigan Department of Transportation

STATE PROJ. NO. 33955

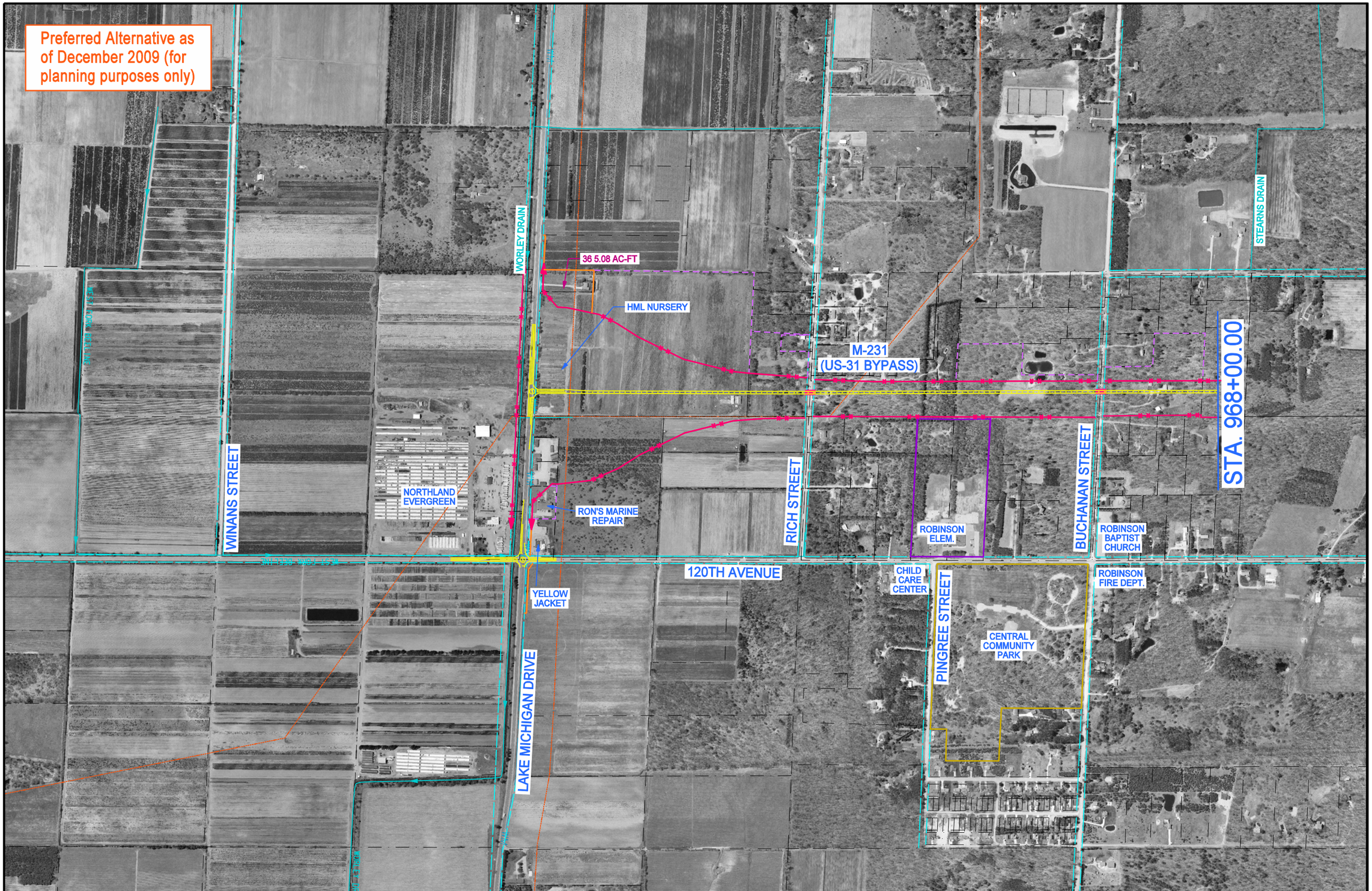
FEDERAL NO. FH0536

MICHIGAN DEPARTMENT OF TRANSPORTATION

US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT

FIGURE A5

SOUTH OF FRANKLIN STREET TO NORTH OF JACKSON STREET



400 ft 0 400 ft

LEGEND

- PROPERTY PARCEL LINE
- GAS LINE
- ELECTRIC UTILITY LINE
- CORPORATE BOUNDARY
- SCHOOL BOUNDARY
- PARK BOUNDARY
- EXISTING LIMITED ACCESS R-O-W
- EXISTING GENERAL PUBLIC R-O-W
- GENERAL PUBLIC R-O-W
- LIMITED ACCESS R-O-W
- AFFECTED PROPERTY
- PROPOSED DRAINAGE POND
- DRAINAGE FLOW
- DELINEATED WETLANDS
- 100-YEAR FLOODPLAINS
- PROPOSED ROADWAY
- EXISTING ROADWAY
- EXISTING TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL
- PROPOSED CUL-DE-SAC
- PROPOSED ROAD CLOSURE
- PROPOSED SIDEWALK
- PROPOSED BRIDGE

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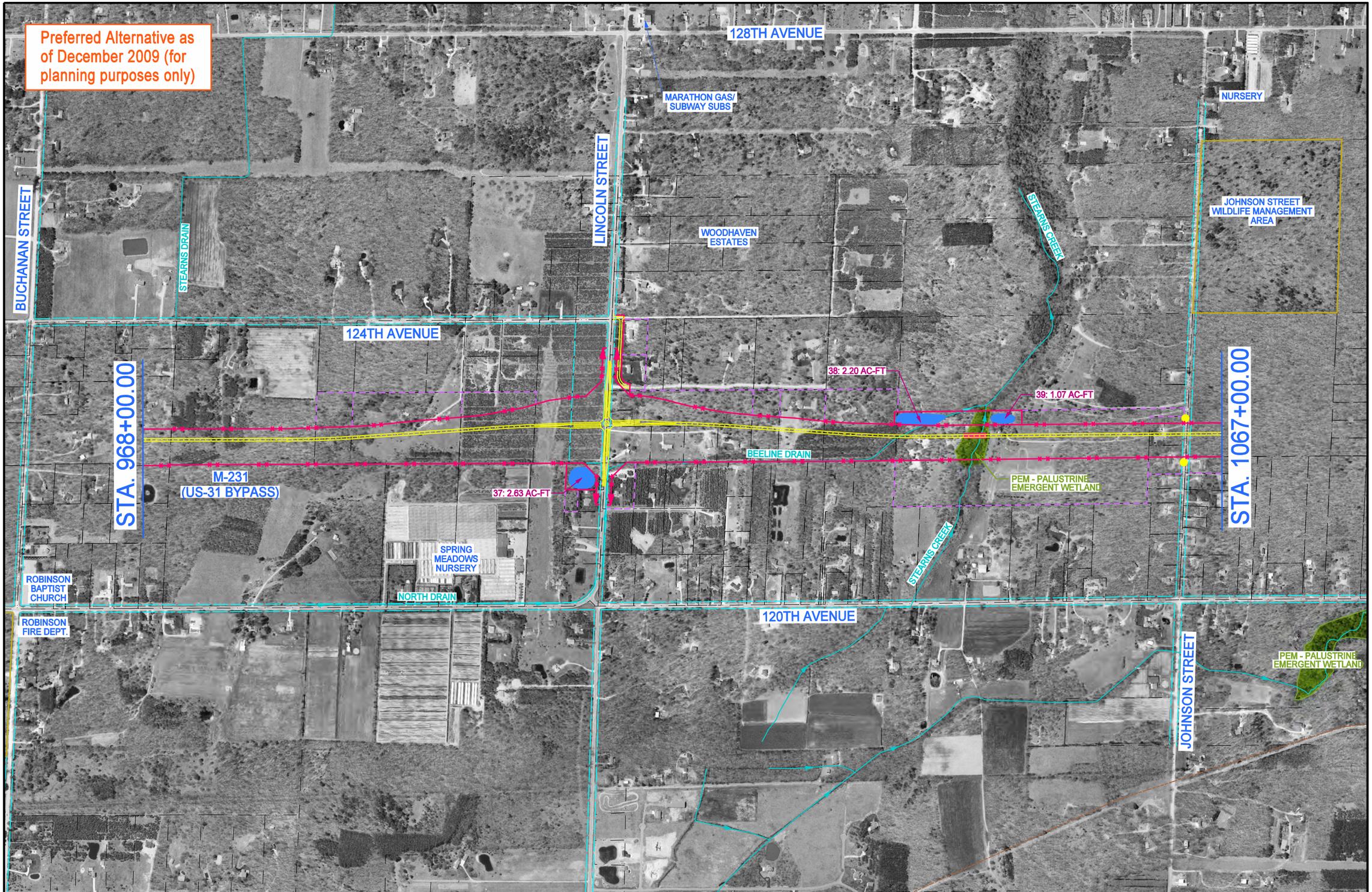
STATE PROJ. NO. 33955

FEDERAL NO. FH0536

MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT

FIGURE A6
LAKE MICHIGAN DRIVE TO BUCHANAN STREET



400 ft 0 400 ft

LEGEND

PROPERTY PARCEL LINE
GAS LINE
ELECTRIC UTILITY LINE
CORPORATE BOUNDARY
SCHOOL BOUNDARY
PARK BOUNDARY
EXISTING LIMITED ACCESS R-O-W
EXISTING GENERAL PUBLIC R-O-W
GENERAL PUBLIC R-O-W
LIMITED ACCESS R-O-W
AFFECTED PROPERTY
PROPOSED DRAINAGE POND
DRAINAGE FLOW
DELINEATED WETLANDS
100-YEAR FLOODPLAINS
PROPOSED ROADWAY
EXISTING ROADWAY
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL
PROPOSED CUL-DE-SAC
PROPOSED ROAD CLOSURE
PROPOSED SIDEWALK
PROPOSED BRIDGE

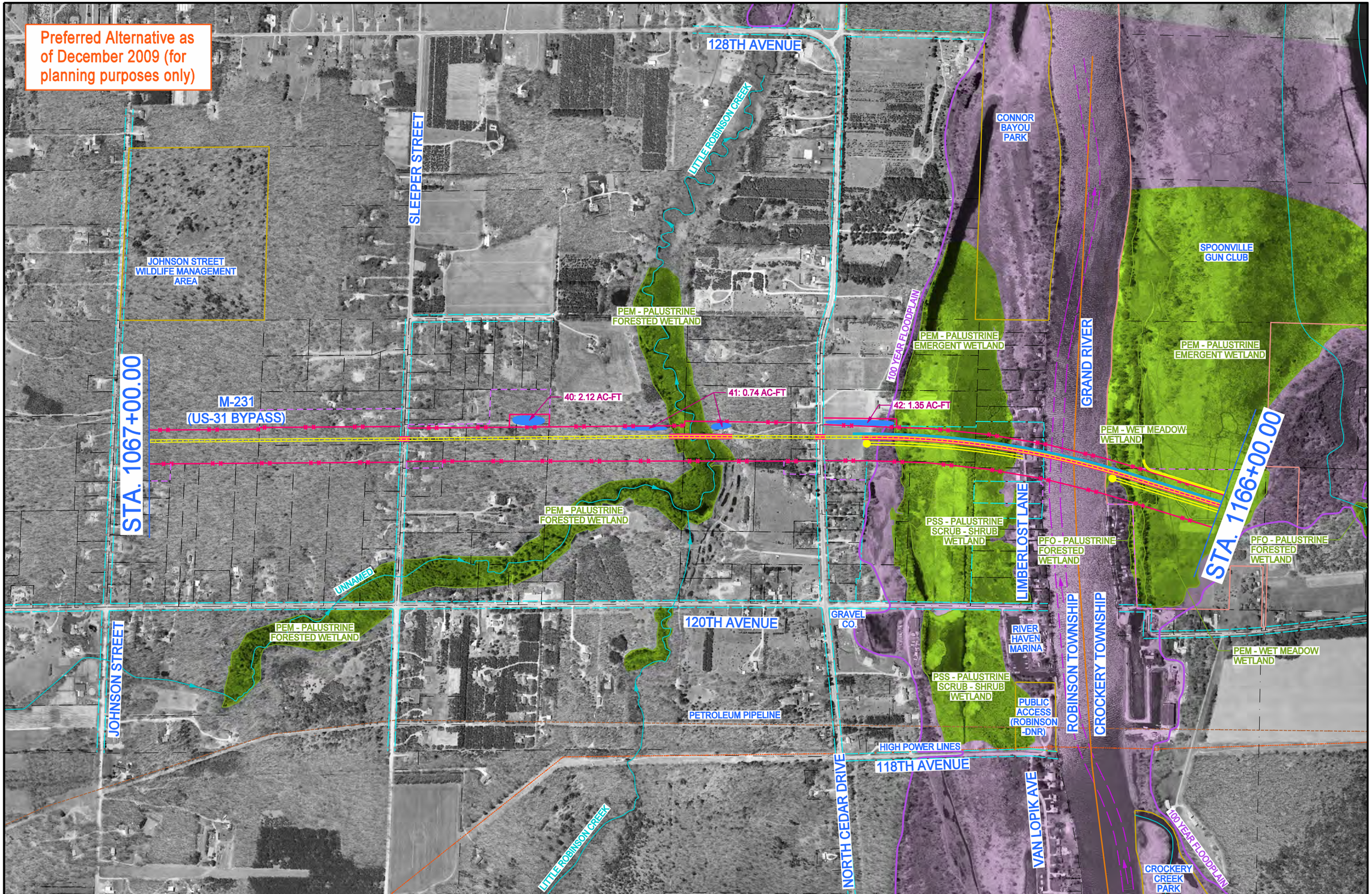
MDOT Michigan Department of Transportation

STATE PROJ. NO. 33955

FEDERAL NO. FH0536

MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT

FIGURE A7
BUCHANAN STREET TO JOHNSON STREET



LEGEND

400 ft 0 400 ft

PROPERTY PARCEL LINE
GAS LINE
ELECTRIC UTILITY LINE
CORPORATE BOUNDARY
SCHOOL BOUNDARY
PARK BOUNDARY
EXISTING LIMITED ACCESS R-O-W
EXISTING GENERAL PUBLIC R-O-W
GENERAL PUBLIC R-O-W
LIMITED ACCESS R-O-W
AFFECTED PROPERTY
PROPOSED DRAINAGE POND
DRAINAGE FLOW
DELINEATED WETLANDS
100-YEAR FLOODPLAINS
PROPOSED ROADWAY
EXISTING ROADWAY
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL
PROPOSED CUL-DE-SAC
PROPOSED ROAD CLOSURE
PROPOSED SIDEWALK
PROPOSED BRIDGE
VACANT, PARTIAL TAKES
FULL DISPLACEMENT TAKES

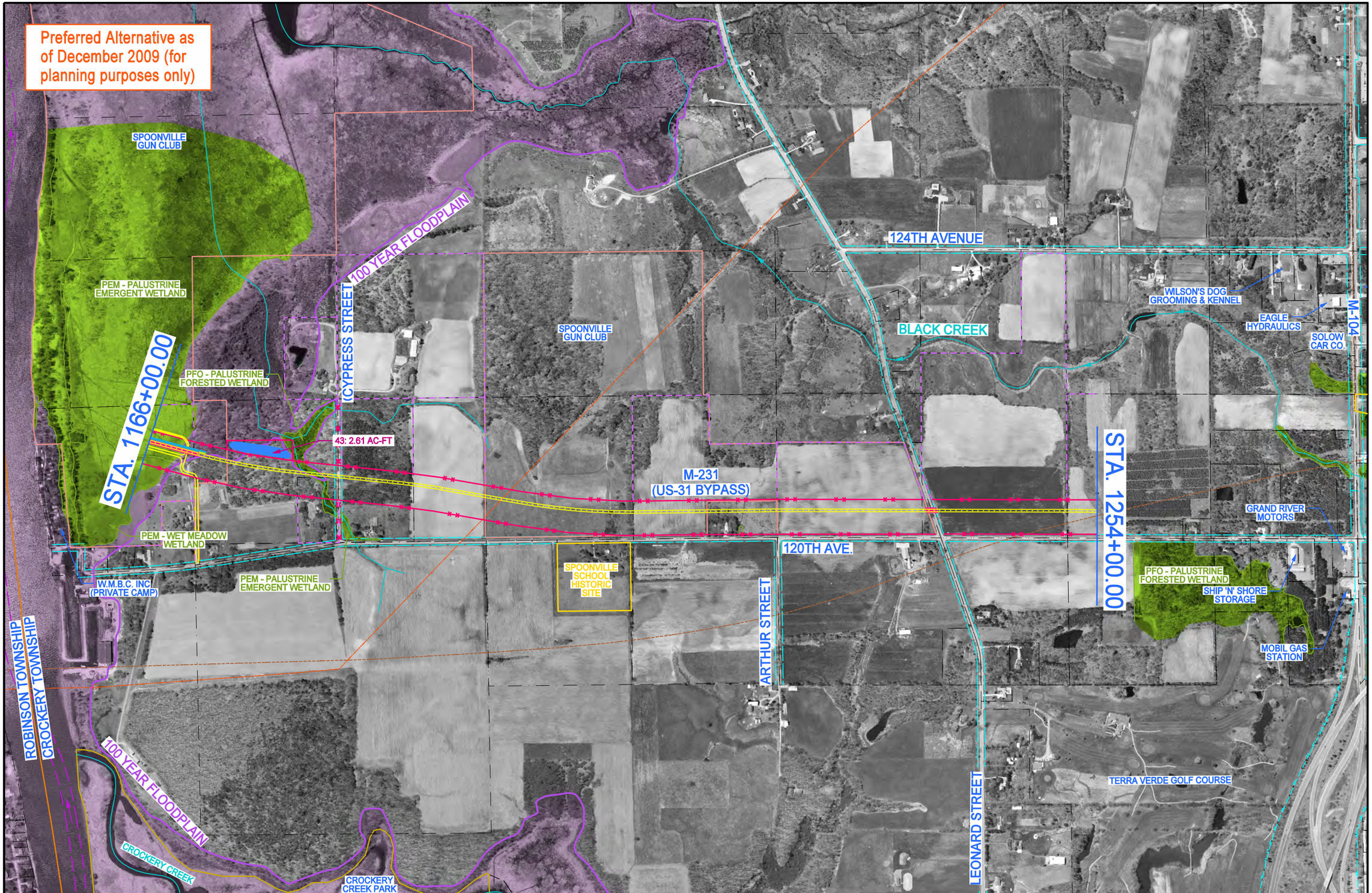
MDOT Michigan Department of Transportation

STATE PROJ. NO. 33955

FEDERAL NO. FH0536

MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT

FIGURE A8
JOHNSON STREET TO GRAND RIVER


Preferred Alternative as of December 2009 (for planning purposes only)
SPOONVILLE GUN CLUB
PEM - PALUSTRINE EMERGENT WETLAND
PFO - PALUSTRINE FORESTED WETLAND
100 YEAR FLOODPLAIN
(CYPRESS STREET)
STA. 1166+00.00
43: 2.61 AC-FT
SPOONVILLE GUN CLUB
124TH AVENUE
BLACK CREEK
WILSON'S DOG GROOMING & KENNEL
EAGLE HYDRAULICS
SOLOW CAR CO.
M-104
M-231
(US-31 BYPASS)
STA. 1254+00.00
GRAND RIVER MOTORS
PEM - WET MEADOW WETLAND
120TH AVE.
SPOONVILLE SCHOOL HISTORIC SITE
PFO - PALUSTRINE FORESTED WETLAND
SHIP 'N' SHORE STORAGE
W.M.B.C. INC (PRIVATE CAMP)
PEM - PALUSTRINE EMERGENT WETLAND
ARTHUR STREET
MOBIL GAS STATION
ROBINSON TOWNSHIP
CROCKERY TOWNSHIP
100 YEAR FLOODPLAIN
TERRA VERDE GOLF COURSE
LEONARD STREET
CROCKERY CREEK
CROCKERY CREEK PARK
400 ft
0
400 ft
LEGEND
PROPERTY PARCEL LINE
GAS LINE
ELECTRIC UTILITY LINE
CORPORATE BOUNDARY
SCHOOL BOUNDARY
PARK BOUNDARY
EXISTING LIMITED ACCESS R-O-W
EXISTING GENERAL PUBLIC R-O-W
GENERAL PUBLIC R-O-W
LIMITED ACCESS R-O-W
AFFECTED PROPERTY
PROPOSED DRAINAGE POND
DRAINAGE FLOW
DELINEATED WETLANDS
100-YEAR FLOODPLAINS
PROPOSED ROADWAY
EXISTING ROADWAY
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL
PROPOSED CUL-DE-SAC
PROPOSED ROAD CLOSURE
PROPOSED SIDEWALK
PROPOSED BRIDGE
MDOT
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STATE PROJ. NO.
33955
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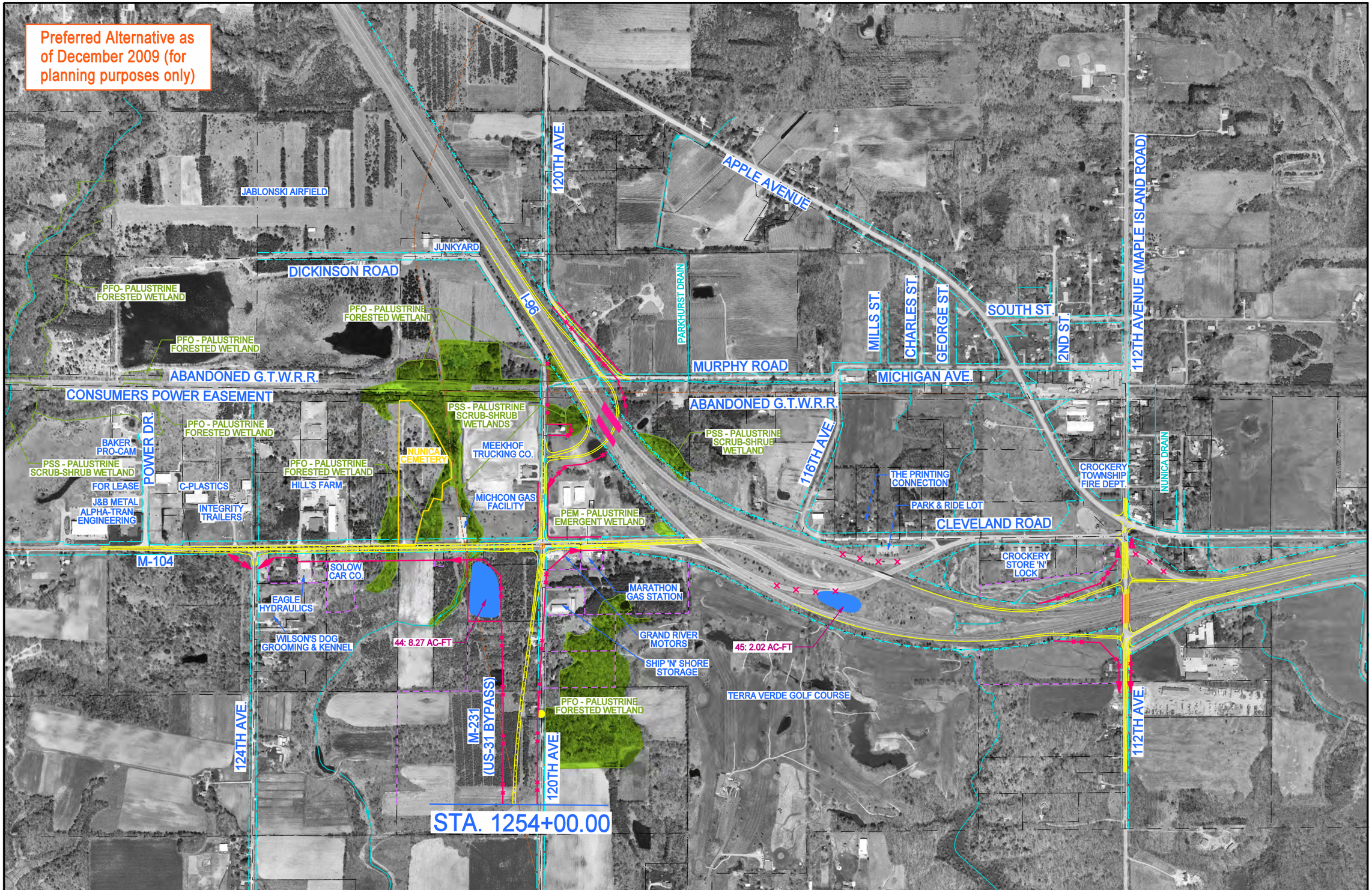
FH0536
MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT
FIGURE A9
GRAND RIVER TO LEONARD STREET


Preferred Alternative as of December 2009 (for planning purposes only)
JABLONSKI AIRFIELD
JUNKYARD
DICKINSON ROAD
120TH AVE.
APPLE AVENUE
PARKHURST DRAIN
MILLS ST.
CHARLES ST.
GEORGE ST.
SOUTH ST.
2ND ST.
112TH AVENUE (MAPLE ISLAND ROAD)
I-96
PFO- PALUSTRINE FORESTED WETLAND
PFO - PALUSTRINE FORESTED WETLAND
PFO - PALUSTRINE FORESTED WETLAND
ABANDONED G.T.W.R.R.
CONSUMERS POWER EASEMENT
MURPHY ROAD
MICHIGAN AVE.
ABANDONED G.T.W.R.R.
PSS - PALUSTRINE SCRUB-SHRUB WETLANDS
PFO - PALUSTRINE FORESTED WETLAND
PSS - PALUSTRINE SCRUB-SHRUB WETLAND
BAKER PRO-CAM
POWER DR.
PSS - PALUSTRINE SCRUB-SHRUB WETLAND
FOR LEASE
C-PLASTICS
J&B METAL
ALPHA-TRAN ENGINEERING
INTEGRITY TRAILERS
PFO - PALUSTRINE FORESTED WETLAND
HILL'S FARM
NUNICA CEMETERY
MEEKHOF TRUCKING CO.
MICHCON GAS FACILITY
PEM - PALUSTRINE EMERGENT WETLAND
116TH AVE.
THE PRINTING CONNECTION
PARK & RIDE LOT
CLEVELAND ROAD
CROCKERY TOWNSHIP FIRE DEPT.
NUNICA DRAIN
CROCKERY STORE 'N' LOCK
M-104
SOLOW CAR CO.
EAGLE HYDRAULICS
WILSON'S DOG GROOMING & KENNEL
MARATHON GAS STATION
GRAND RIVER MOTORS
SHIP 'N' SHORE STORAGE
44: 8.27 AC-FT
45: 2.02 AC-FT
TERRA VERDE GOLF COURSE
PFO - PALUSTRINE FORESTED WETLAND
124TH AVE.
M-231
(US-31 BYPASS)
120TH AVE.
112TH AVE.
STA. 1254+00.00
400 ft
0
400 ft
LEGEND
PROPERTY PARCEL LINE
GAS LINE
ELECTRIC UTILITY LINE
CORPORATE BOUNDARY
SCHOOL BOUNDARY
PARK BOUNDARY
EXISTING LIMITED ACCESS R-O-W
EXISTING GENERAL PUBLIC R-O-W
GENERAL PUBLIC R-O-W
LIMITED ACCESS R-O-W
AFFECTED PROPERTY
PROPOSED DRAINAGE POND
DRAINAGE FLOW
DELINEATED WETLANDS
100-YEAR FLOODPLAINS
PROPOSED ROADWAY
EXISTING ROADWAY
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL
PROPOSED CUL-DE-SAC
PROPOSED ROAD CLOSURE
PROPOSED SIDEWALK
PROPOSED BRIDGE
VACANT, PARTIAL TAKES
FULL DISPLACEMENT TAKES
MDOT
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STATE PROJ. NO.
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MICHIGAN DEPARTMENT OF TRANSPORTATION
US-31 FINAL ENVIRONMENTAL IMPACT STATEMENT
FIGURE A10
LEONARD STREET TO 112TH STREET