# WINDHAM

## CUMBERLAND COUNTY

### U.S. ROUTE 302

## 21ST CENTURY MASTER PLAN PRELIMINARY DESIGN

### PROJECT LENGTH: 2.23 MILES

### PLAN LEGEND

| | |
|---|---|
| Town, County, State | Centerline-Existing |
| Property Lines | Centerline-Proposed |
| R/W Lines-Existing | Travelway-Existing |
| R/W Lines-Proposed | Travelway-Proposed |
| Culvert-Existing | Railroad |
| Culvert Proposed | Catch Basins Existing Proposed |
| Curbing Existing Proposed | Manholes Existing Proposed |
| Type 1 | Proposed Underdrain |
| Type 3 | Proposed Ditch |
| Type 5 | Existing Ditch |
| Outline of Bodies of Water | Utlity Poles Existing Proposed |
| Ledge | Fire Hydrants Existing Proposed |
| Buildings | Existing Water Line |
| Trees Conifer Deciduous | Existing San. Sewer |
| Proposed Streetscape Tree | Existing San. Sewer Manhole |
| Tree Line | Guardrail-Existing |
| Clearing Limit Line CLL | Guardrail-Proposed |
| | Guardrail-Cable, Other |
| | Lighting Existing Proposed |

### INDEX OF SHEETS


| Description | Sheet No. |
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| Typical Sections | 2 |
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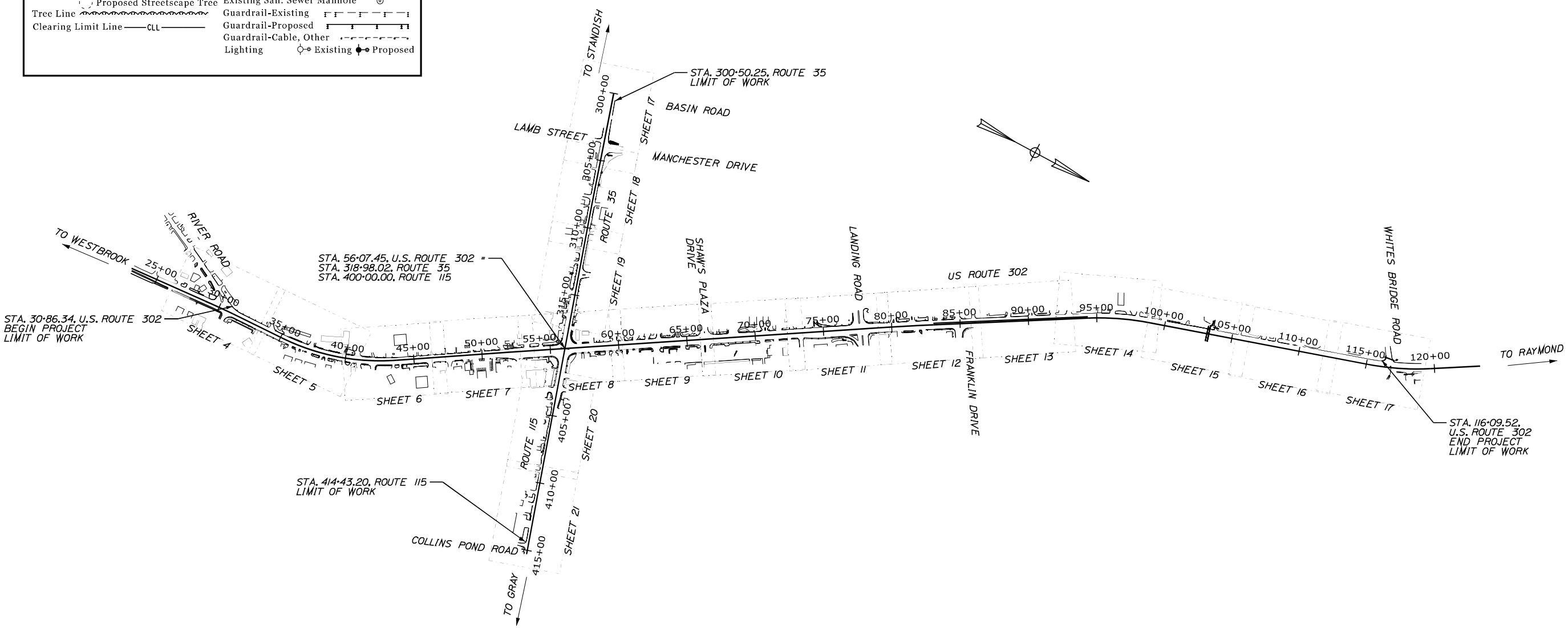
| Plans | 3-21 |


### PROJECT LOCATION:

ALONG U.S. ROUTE 302 BEGINNING AT THE NORTHERLY SIDE OF THE RIVER ROAD AND U.S. ROUTE 302 INTERSECTION AND EXTENDING NORTHERLY FOR 1.61 MILES TO THE SOUTHERLY SIDE OF WHITES BRIDGE ROAD; ALONG ROUTE 35 BEGINNING AT THE EAST SIDE OF BASIN ROAD AND EXTENDING EAST FOR 0.35 MILES TO U.S. ROUTE 302; AND ALONG ROUTE 115 BEGINNING ON THE WEST SIDE OF U.S. ROUTE 302, EXTENDING EAST 0.27 MILES TO THE WEST SIDE OF COLLINS POND ROAD

LAYOUT SCALE

400 0 400 800

Scale in Feet

T·Y·LIN INTERNATIONAL

TOWN OF WINDHAM, MAINE

SIGNATURE

P.E. NUMBER

DATE

| PROJ. MANAGER | BY | DATE |
|---|---|---|
| DESIGN-DETAILED | | |
| CHECKED-REVIEWED | | |
| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

21ST CENTURY MASTER PLAN
PRELIMINARY PLANS

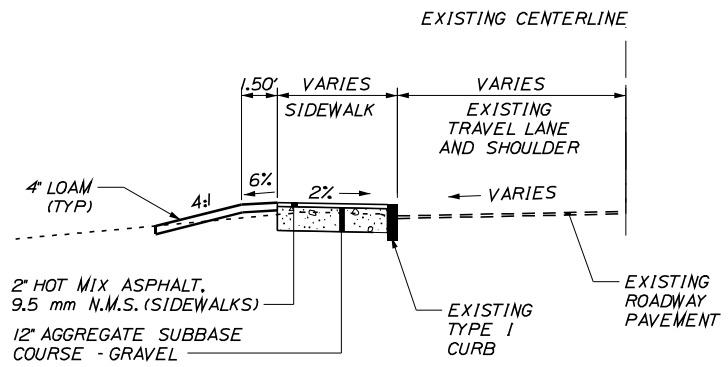
TITLE SHEET

SHEET NUMBER

1

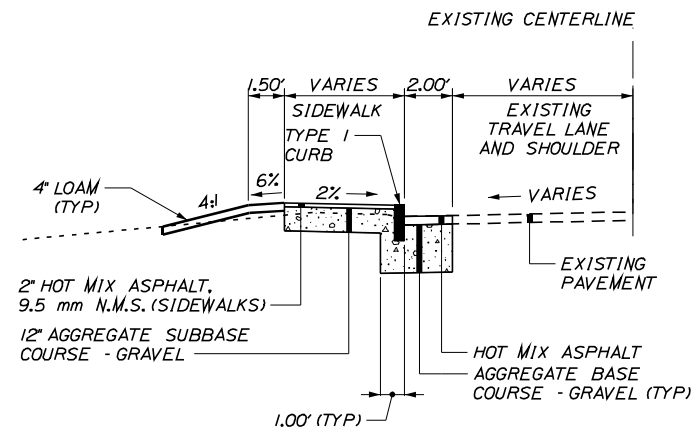
OF 21

Filename: ...\00\HIGHWAY\MSTA\xxx_Title.dgn Division: HIGHWAY Username: Date:6/2/2016



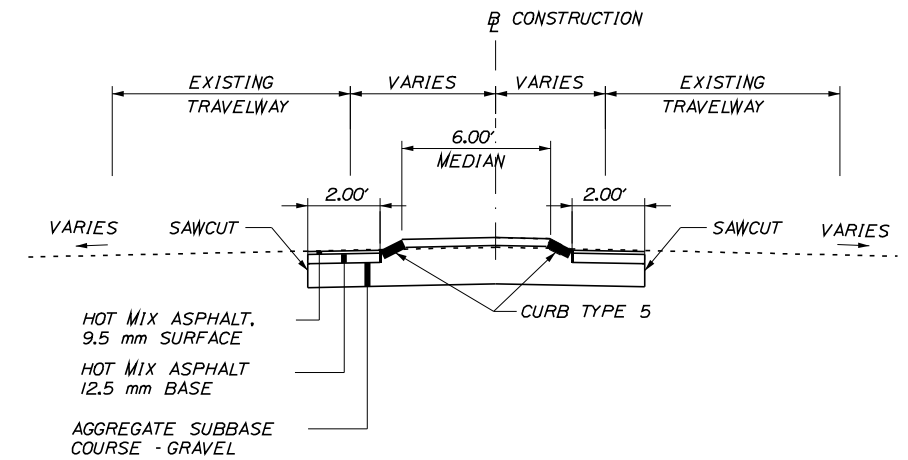

## SIDEWALK DETAIL

EXISTING CURB RETAINED
N. T. S.




## SIDEWALK DETAIL

NEW CURB
N.T.S.




## MEDIAN ISLAND DETAIL

NEW CURB
N.T.S.

## NOTES:

1. PROPOSED SIDEWALK FOR THE WEST SIDE OF U.S. ROUTE 302 FROM THE ROUTE 35 INSTERSECTION TO THE FRANKLIN DRIVE INTERSECTION SHALL BE 8FT WIDE UNLESS OTHERWISE NOTED. ALL OTHER PROPOSED SIDEWALK SHALL BE 5FT WIDE UNLESS OTHERWISE NOTED.

## GENERAL NOTES

1. COORDINATE THE PLANTING OF ALL NEW STREET TREES WITH ABOVE AND BELOW GROUND UTILITIES IN ADDITION TO EXISTING BUSINESS AND DIRECTIONAL SIGNAGE.
2. THE MATURE CANOPY OF ALL NEW AND REPLACEMENT TREES SHALL BE 10FT CLEAR VERTICALLY AND 8FT CLEAR HORIZONTALLY FROM OVERHEAD UTILITIES.
3. ALL NEW AND REPLACEMENT TREES SHALL BE BE PLANTED WITH A ROOT BARRIER WITH THE TRUNK A MINIMUM OF 2FT FROM THE EDGE OF SIDEWALK OR PARKING AREA.STREET TREES SHALL NOT BE PLANTED CLOSER THAN 30FT ON CENTER.

TOWN OF
WINDHAM, MAINE

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|---|---|---|
| DESIGN-DETAILED | | |
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| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

21ST CENTURY MASTER PLAN
PRELIMINARY PLANS

TYPICAL SECTIONS /
GENERAL NOTES

SHEET NUMBER
2
OF 21

T·Y·LIN INTERNATIONAL

Date:6/2/2016
Username:
Division: HIGHWAY
Filename: ...\MSTA\xxx_Typicals_01.dgn

## TRAFFIC SIGNAL PHASING

| Ø1+Ø6 | Ø2+Ø6 | Ø4+Ø8 |
|---|---|---|

## TRAFFIC AND PEDESTRIAN SIGNAL HEADS

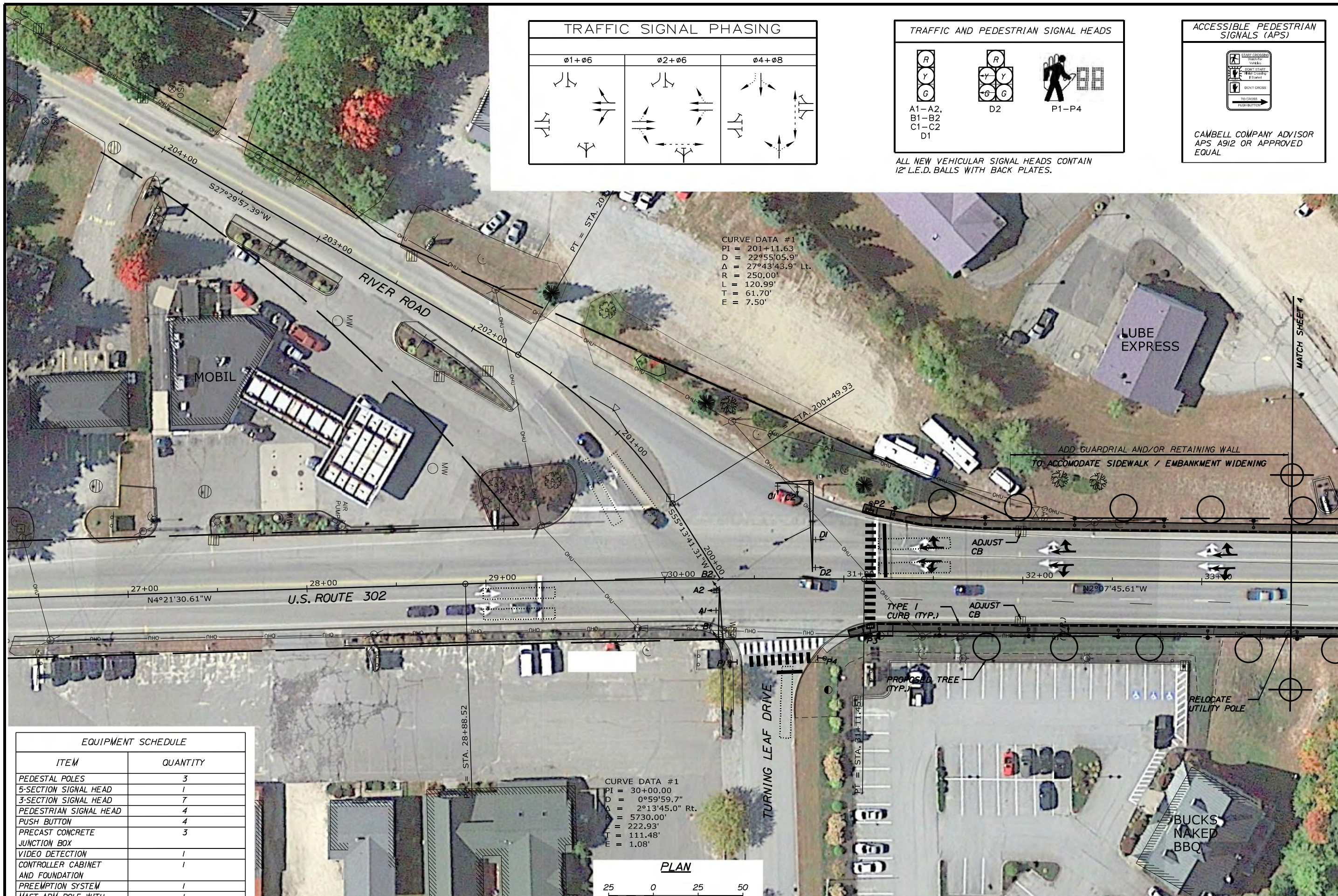
A1–A2, B1–B2, C1–C2, D1 (R, Y, G) — D2 (R, Y, Y, G, G) — P1–P4

ALL NEW VEHICULAR SIGNAL HEADS CONTAIN 12" L.E.D. BALLS WITH BACK PLATES.

## ACCESSIBLE PEDESTRIAN SIGNALS (APS)

START CROSSING Watch For Vehicles
COUNT START Finish Crossing If Started
DON'T CROSS
TO CROSS PUSH BUTTON

CAMBELL COMPANY ADVISOR APS A912 OR APPROVED EQUAL




| EQUIPMENT SCHEDULE | |
|---|---|
| ITEM | QUANTITY |
| PEDESTAL POLES | 3 |
| 5-SECTION SIGNAL HEAD | 1 |
| 3-SECTION SIGNAL HEAD | 7 |
| PEDESTRIAN SIGNAL HEAD | 4 |
| PUSH BUTTON | 4 |
| PRECAST CONCRETE JUNCTION BOX | 3 |
| VIDEO DETECTION | 1 |
| CONTROLLER CABINET AND FOUNDATION | 1 |
| PREEMPTION SYSTEM | 1 |
| MAST ARM POLE WITH 20' AND 50' MAST ARMS | 1 |
| MAST ARM POLE WITH 30' MAST ARM | 1 |

TOWN OF WINDHAM, MAINE

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21ST CENTURY MASTER PLAN
PRELIMINARY PLANS

PLAN

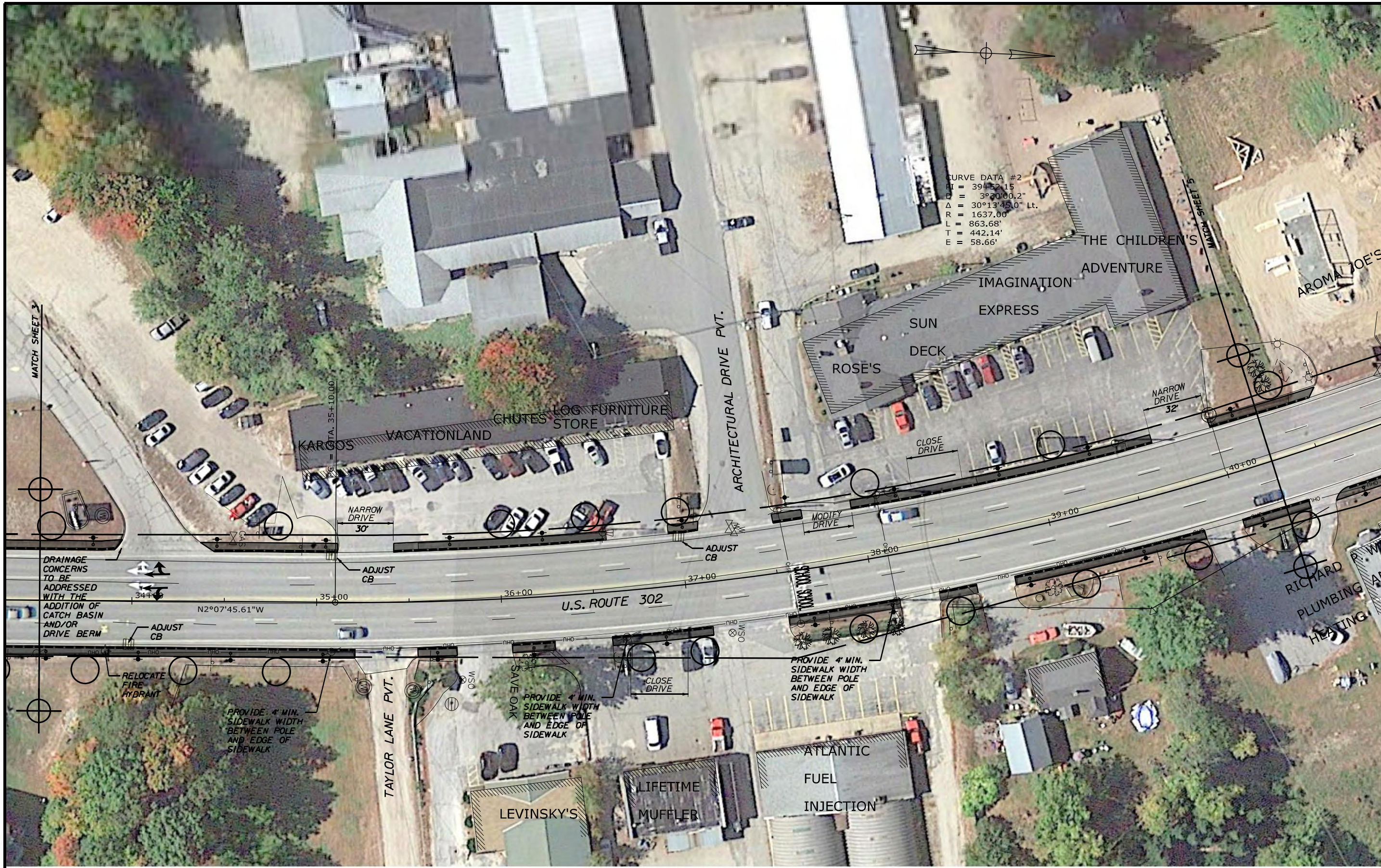
SHEET NUMBER

3

OF 21

T·Y·LIN INTERNATIONAL

Filename: ...\HIGHWAY\MSTA\xxx_HDPlan_01.dgn Division: HIGHWAY Username: Date:6/2/2016




PLAN

25 0 25 50

Scale of Feet

T·Y·LIN INTERNATIONAL

TOWN OF WINDHAM, MAINE

| | | |
|---|---|---|
| PROJ. MANAGER | | |
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| | DATE | BY | DATE |
|---|---|---|---|

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21ST CENTURY MASTER PLAN
PRELIMINARY PLANS

PLAN

SHEET NUMBER

4

OF 21

Filename: ...\HIGHWAY\MSTA\xxx_HDPlan_02.dgn Division: HIGHWAY Username: Date:6/2/2016

PLAN

25 0 25 50
Scale of Feet

T·Y·LIN INTERNATIONAL

TOWN OF WINDHAM, MAINE

SIGNATURE
P.E. NUMBER
DATE

| DATE | BY | |
|---|---|---|
| | | PROJ. MANAGER |
| | | DESIGN-DETAILED |
| | | CHECKED-REVIEWED |
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| | | DESIGN3-DETAILED3 |
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| | | REVISIONS 2 |
| | | REVISIONS 3 |
| | | REVISIONS 4 |
| | | FIELD CHANGES |

21ST CENTURY MASTER PLAN
PRELIMINARY PLANS

PLAN

SHEET NUMBER
5
OF 21

Filename: ...\HIGHWAY\MSTA\xxx_HDPlan_03.dgn Division: HIGHWAY Username: Date:6/2/2016

PLAN

25 0 25 50
Scale of Feet

TOWN OF WINDHAM, MAINE

| | BY | DATE |
|---|---|---|
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| FIELD CHANGES | | |

SIGNATURE

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21ST CENTURY MASTER PLAN
PRELIMINARY PLANS

PLAN

SHEET NUMBER
6
OF 21

T·Y·LIN INTERNATIONAL

Filename: ...\HIGHWAY\MSTA\xxx_HDPlan_04.dgn Division: HIGHWAY Username: Date:6/2/2016

## TRAFFIC SIGNAL PHASING




## TRAFFIC AND PEDESTRIAN SIGNAL HEADS

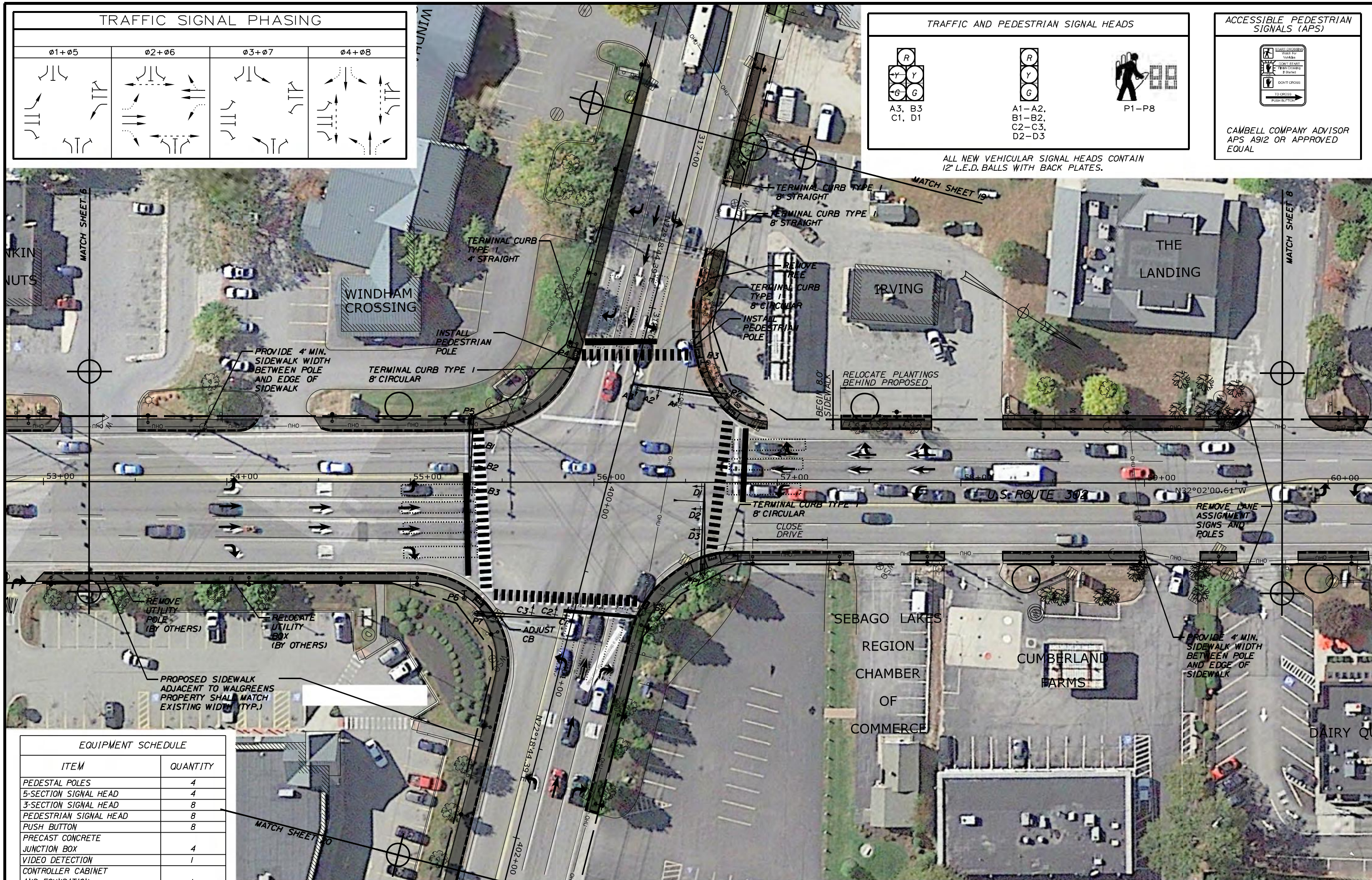



ALL NEW VEHICULAR SIGNAL HEADS CONTAIN 12" L.E.D. BALLS WITH BACK PLATES.

## ACCESSIBLE PEDESTRIAN SIGNALS (APS)




CAMBELL COMPANY ADVISOR APS A912 OR APPROVED EQUAL




| EQUIPMENT SCHEDULE | |
|---|---|
| ITEM | QUANTITY |
| PEDESTAL POLES | 4 |
| 5-SECTION SIGNAL HEAD | 4 |
| 3-SECTION SIGNAL HEAD | 8 |
| PEDESTRIAN SIGNAL HEAD | 8 |
| PUSH BUTTON | 8 |
| PRECAST CONCRETE JUNCTION BOX | 4 |
| VIDEO DETECTION | 1 |
| CONTROLLER CABINET AND FOUNDATION | 1 |
| PREEMPTION SYSTEM | 1 |
| MAST ARM POLE WITH A 50' MAST ARM | 3 |
| MAST ARM POLE WITH A 45' MAST ARM | 1 |

PLAN

25 0 25 50
Scale of Feet

T·Y·LIN INTERNATIONAL

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21ST CENTURY MASTER PLAN
PRELIMINARY PLANS

PLAN

SHEET NUMBER
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OF 21

Filename: ...\HIGHWAY\MSTA\xxx_HDPlan_05.dgn Division: HIGHWAY Username: Date:6/2/2016