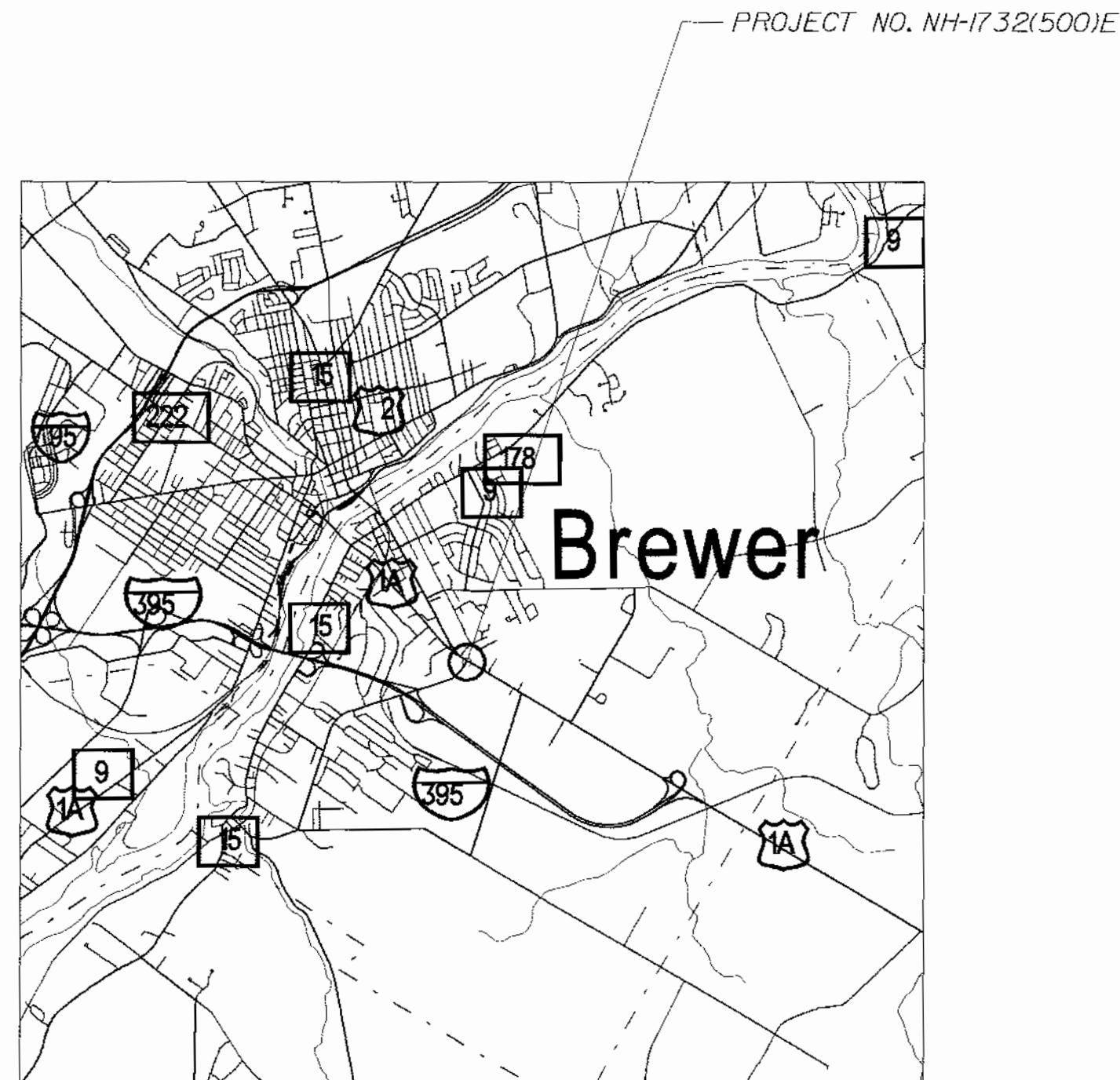


# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 APPROVED: *[Signature]*  
 COMMISSIONER: *[Signature]*  
 DATE: 10/20/10  
 CHIEF ENGINEER: *[Signature]*



## BREWER

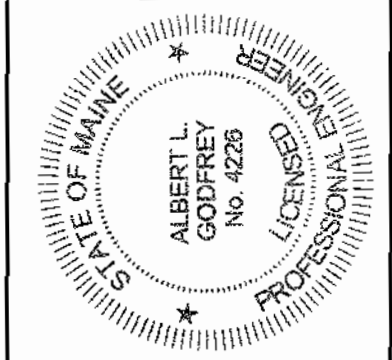
### PENOBSCOT

WILSON STREET / PARKWAY SOUTH

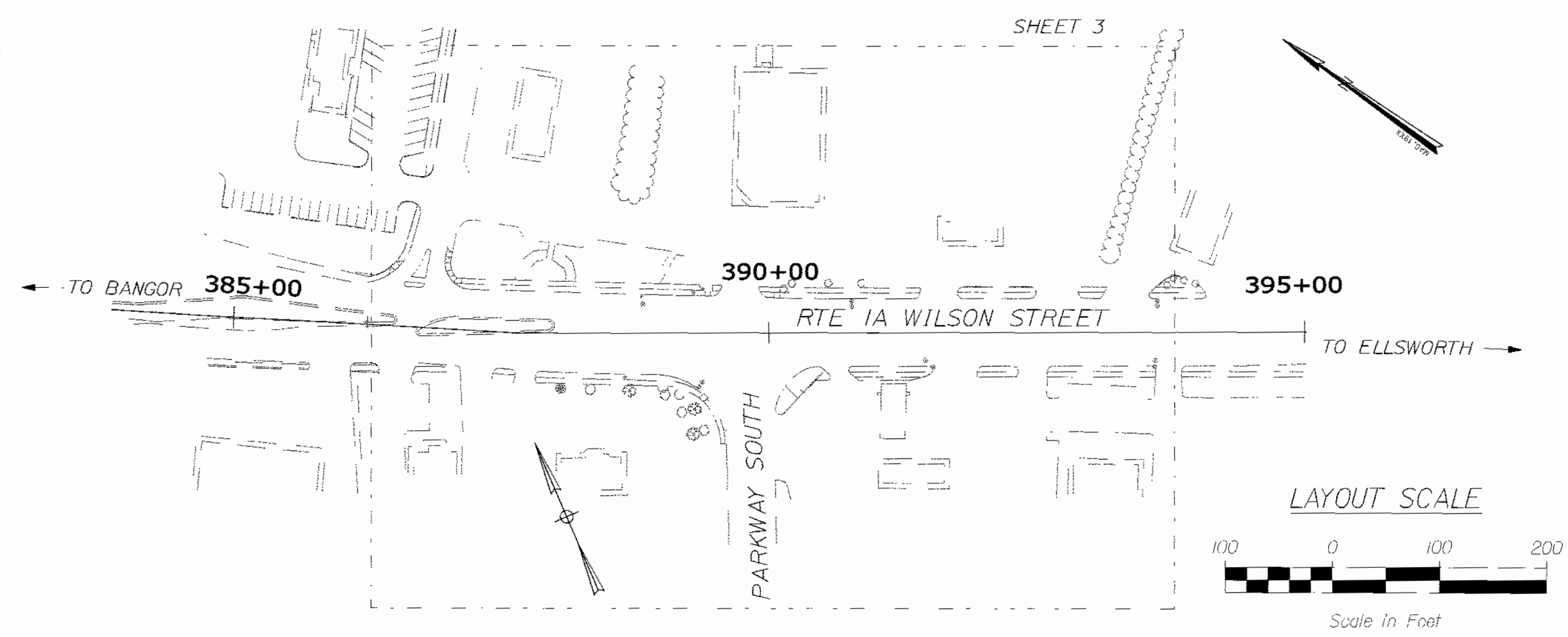
### NH-1732(500)E

PROJECT LENGTH : 0.000 MILES  
TRAFFIC SIGNAL MODIFICATION

INDEX OF SHEETS	
Description	Sheet No.
Title Sheet	1
Construction Notes	2
Plan	3
Signal Details	4-5
Right of Way	6



SIGNATURE: *[Signature]*  
 P.E. NUMBER: 4226  
 DATE: OCTOBER 15, 2010



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
Curbing Existing	Manholes
Curbing Proposed	Proposed Underdrain
Type 1	Proposed Ditch
Type 3	Existing Ditch
Type 5	Utility Poles
Outline of Bodies of Water	Fire Hydrants
Ledge	Existing Water Line
Buildings	Existing San. Sewer
Trees	Existing San. Sewer Manhole
Tree Line	Guardrail-Existing
Clearing Limit Line	Guardrail-Proposed
	Guardrail-Cable, Other

TRAFFIC DATA	WILSON SE/O PARKWAY	PARKWAY SW/O WILSON	WILSON NW/O PARKWAY
Current (2010) AADT	21,010	11,550	20,740
Future (2020) AADT	23,110	12,710	22,810

PROGRAM AREA: TRAFFIC  
SCOPE OF WORK: TRAFFIC SIGNAL MODIFICATION

NH-1732(500)E      PIN 17325.00

PROJECT INFORMATION	
PROGRAM	TRAFFIC
PROJECT MANAGER	JIM MANSR
DESIGNER	AL GODFREY
CONSULTANT	TERRA MAGNA SERVICES, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

BREWER  
 WILSON ST / PARKWAY SOUTH  
 TITLE SHEET

SHEET NUMBER  
1  
 OF 6

Filename: ... \HIGHWAY\MSTAD001\_Titl...001.dgn      Date: 10/18/2010      User: jeason      Division: HIGHWAY



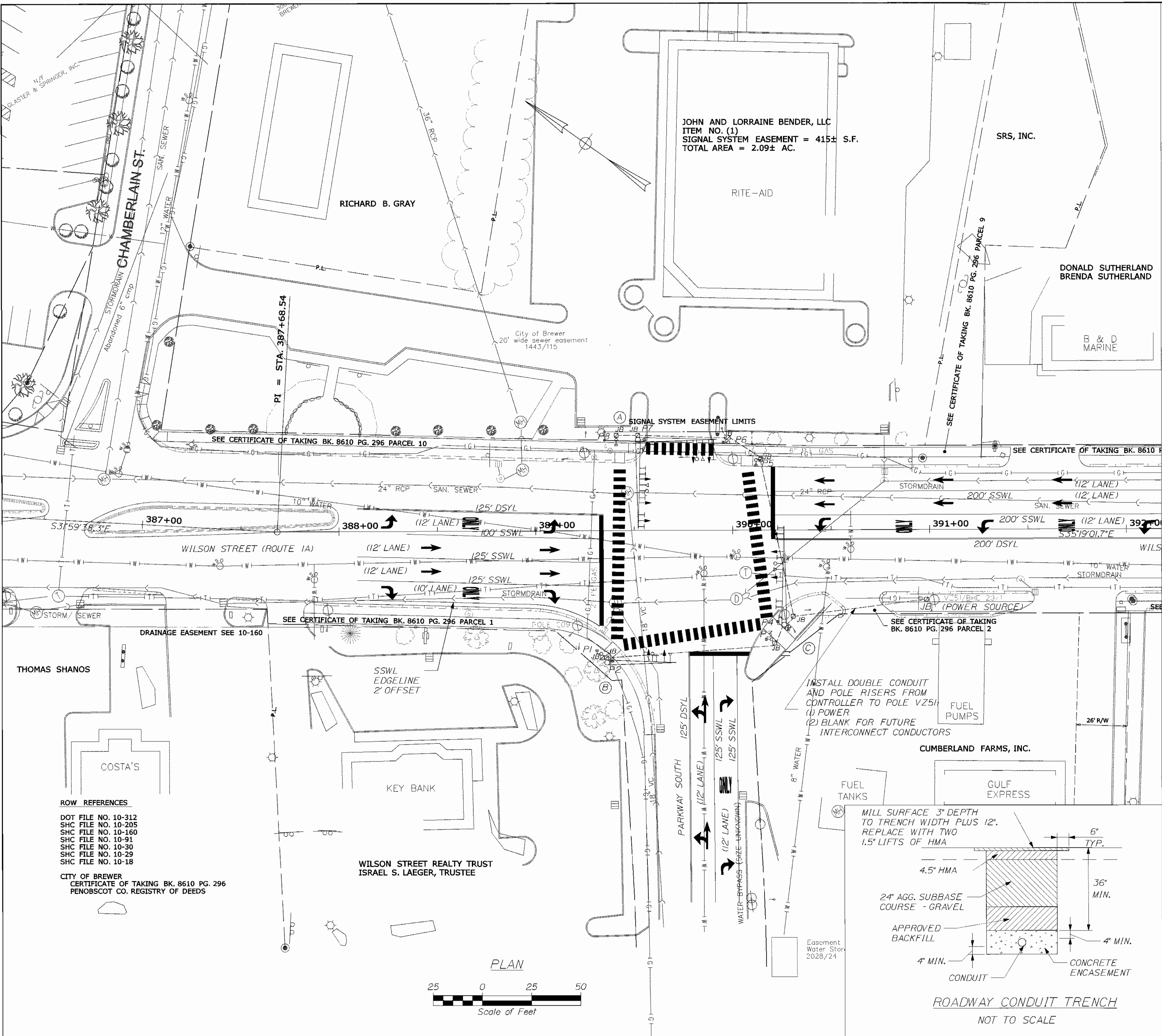


Date: 10/20/2010

Username: jeason

Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\003\_HDP\plan1.dgn



NOTES

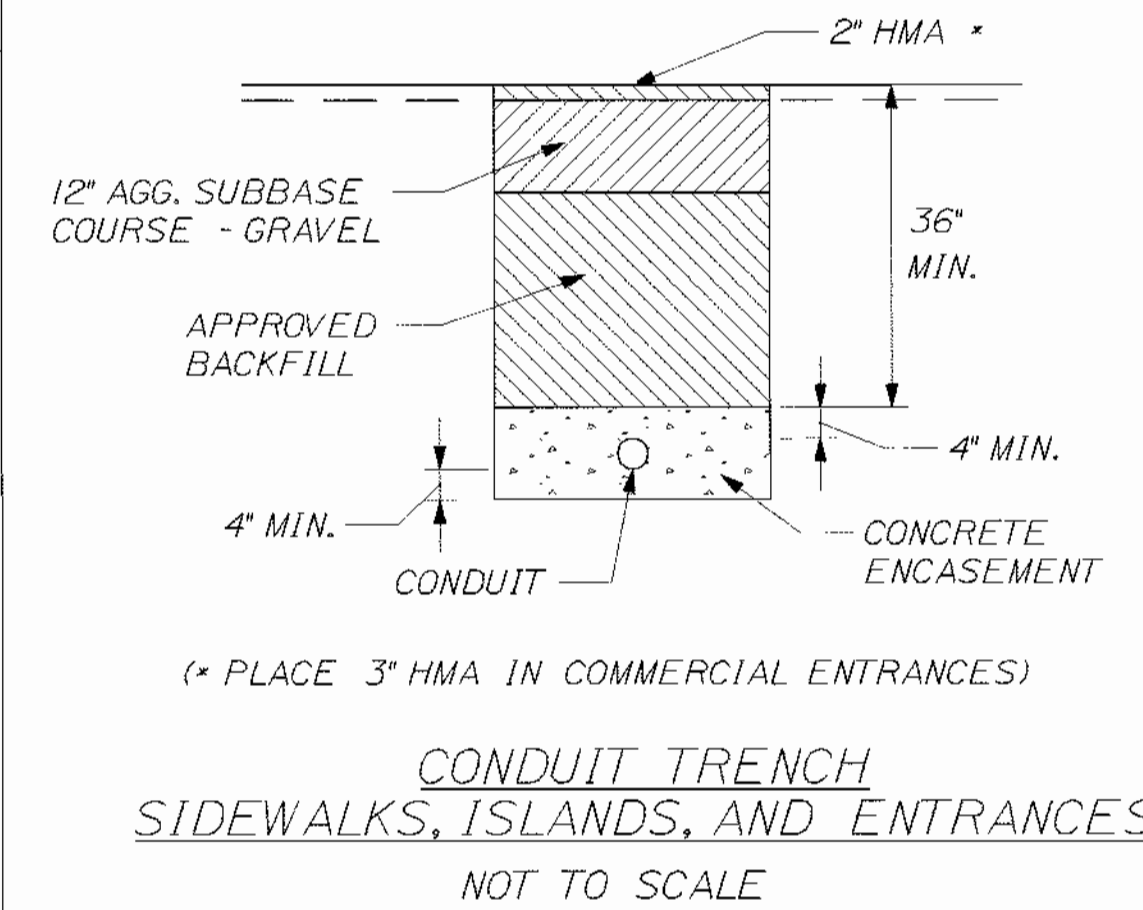
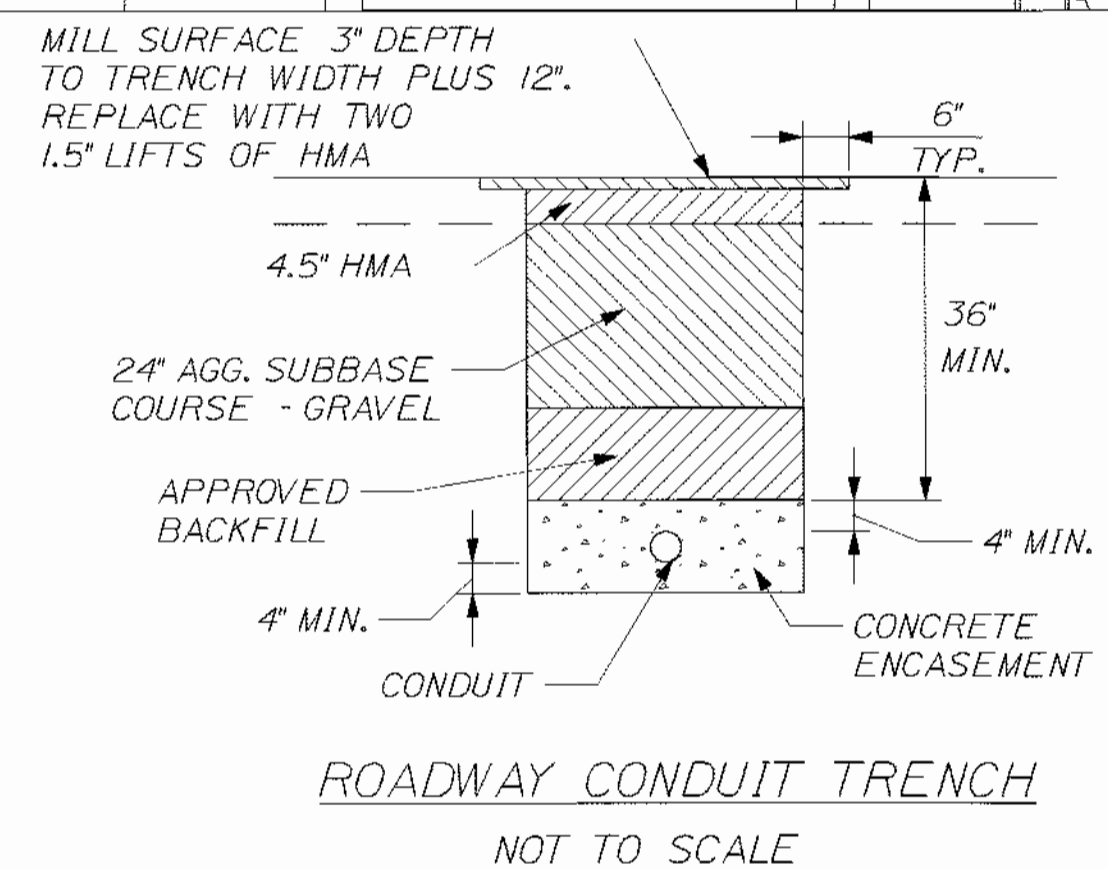
- (A) STA. 389+52.46' LT. INSTALL MAST ARM POLE ON 36" FOUNDATION. 40' MAST ARM FOR PARKWAY SOUTH SIGNALS. 45' MAST ARM FOR WILSON ST. WB SIGNALS. ATTACH PEDESTRIAN SIGNAL P7, PUSHBUTTON AND R10-3eR SIGN FOR CROSSING RITE AID. INSTALL LED LUMINAIRE AT NOMINAL HEIGHT OF 35'
- (B) STA. 389+36.67' RT. INSTALL MAST ARM POLE ON 36" FOUNDATION. 35' MAST ARM FOR RITE AID SIGNALS. ATTACH PEDESTRIAN SIGNAL P2, PUSHBUTTON AND R10-3eL SIGN FOR CROSSING PARKWAY SOUTH.
- (C) STA. 390+26.48' RT. INSTALL MAST ARM POLE ON 36" FOUNDATION. 50' MAST ARM FOR WILSON ST. EB SIGNALS. ATTACH PEDESTRIAN SIGNAL P4, PUSHBUTTON AND R10-3eL SIGN FOR CROSSING WILSON ST. INSTALL CONTROLLER AND METER ON MAST ARM POLE.
- (PI) STA. 389+33.62.5' RT. INSTALL PEDESTAL POLE ON 18" FOUNDATION. ATTACH PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-3eR SIGN FOR CROSSING WILSON ST.
- (P3) STA. 390+19.5.55.5' RT. INSTALL PEDESTAL POLE ON 18" FOUNDATION. ATTACH PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-3eR SIGN FOR CROSSING PARKWAY SOUTH.
- (P5) STA. 390+12.35.5' LT. INSTALL PEDESTAL POLE ON 18" FOUNDATION. ATTACH PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-3eR SIGN FOR CROSSING WILSON ST.
- (P6) STA. 389+98.44.5' LT. INSTALL PEDESTAL POLE ON 18" FOUNDATION. ATTACH PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-3eL SIGN FOR CROSSING RITE AID.
- (P8) STA. 389+41.46' LT. INSTALL PEDESTAL POLE ON 18" FOUNDATION. ATTACH PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-3eL SIGN FOR CROSSING WILSON ST.

OTHER:

1. TOPO BASED ON AS-BUILT PLAN PROVIDED BY CITY OF BREWER FROM 2003 WILSON ST. RECONSTRUCTION.
2. ALL BURIED CONDUIT TO BE CONCRETE ENCASED 2" SCHEDULE 80 PVC OR LARGER.
3. INSTALL DETECTABLE WARNING FIELDS IN ALL CROSSWALK RAMPS AT THE INTERSECTION (6 TOTAL).
4. ALL STOP LINES TO BE 24" SOLID WHITE.
5. PARKWAY SOUTH NB AND WILSON ST. WB STORAGE IS GREATER THAN SHOWN. MATCH NEW MARKINGS TO EXISTING.
6. BASELINE STATIONING IS AN ENGLISH CONVERSION OF METRIC STATIONING FROM 2003 CITY RECONSTRUCTION OF WILSON ST.

LEGEND

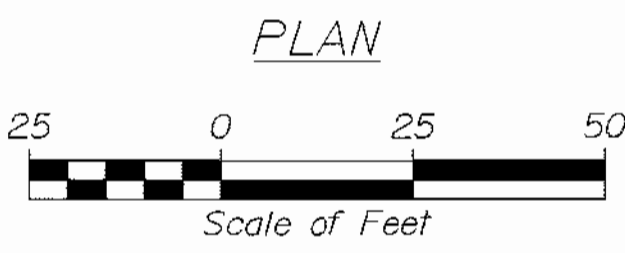
- SSWL = SINGLE SOLID WHITE LINE
- DSYL = DOUBLE SOLID YELLOW LINE
- ▬ = 24" WHITE STOP LINE
- - - = BURIED CONDUIT
- JB = JUNCTION BOX



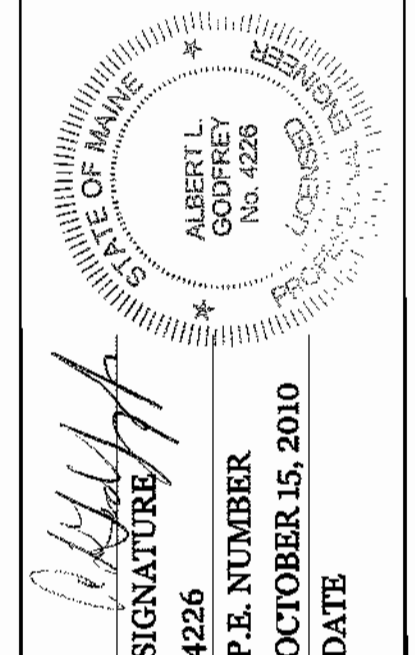
ROW REFERENCES

- DOT FILE NO. 10-312
- SHC FILE NO. 10-205
- SHC FILE NO. 10-160
- SHC FILE NO. 10-91
- SHC FILE NO. 10-30
- SHC FILE NO. 10-29
- SHC FILE NO. 10-18

CITY OF BREWER  
CERTIFICATE OF TAKING BK. 8610 PG. 296  
PENOBSCOT CO. REGISTRY OF DEEDS



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
NH-1732(500)E  
PIN 17325.00  
HIGHWAY PLANS



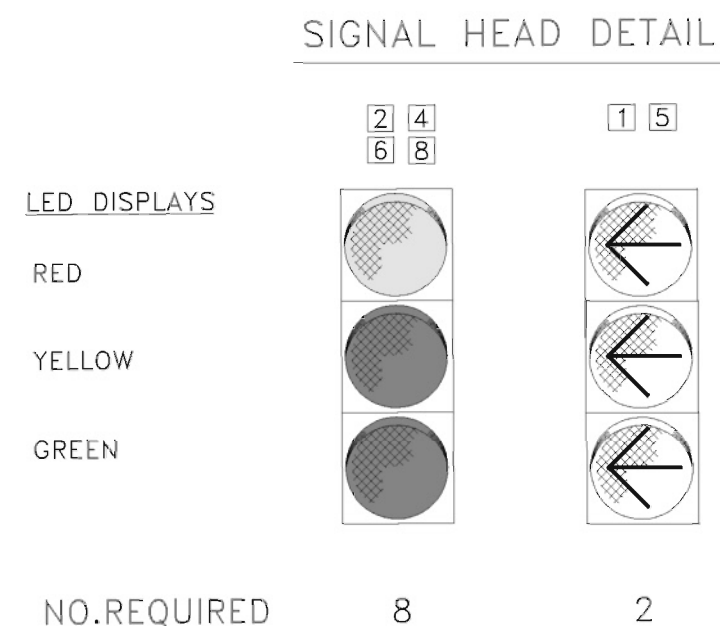
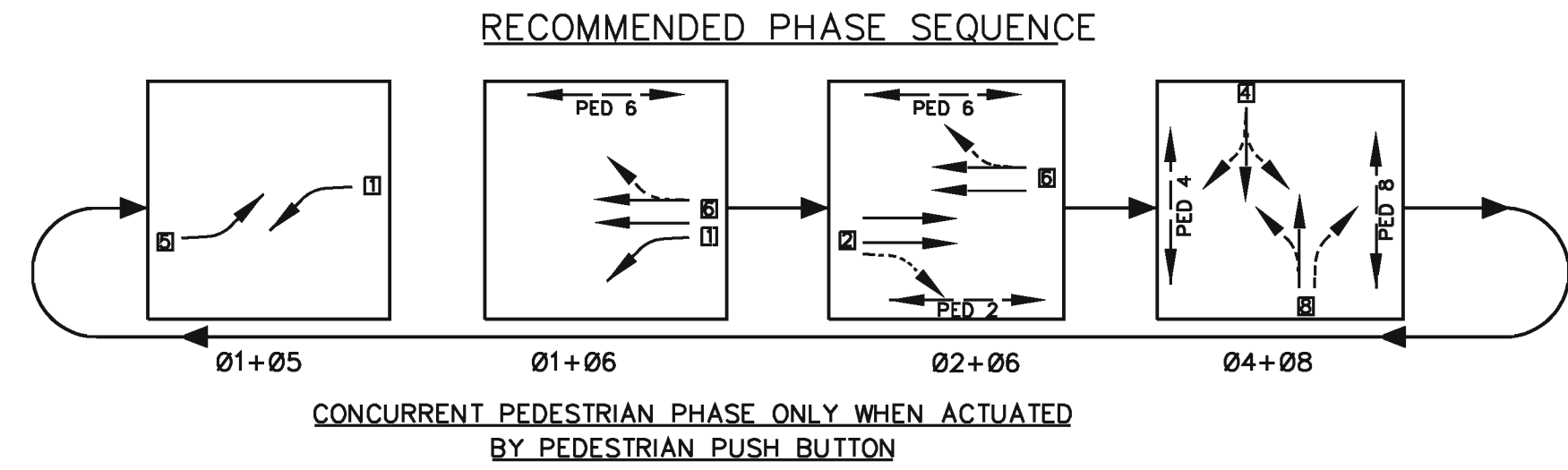
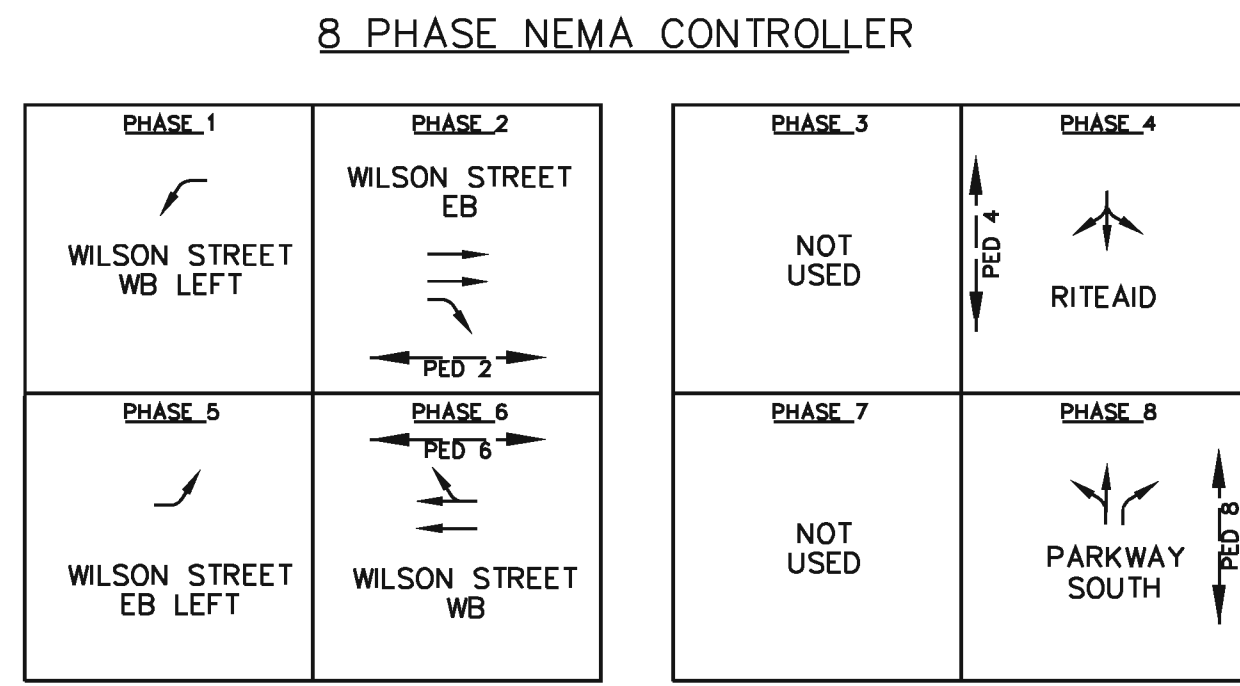
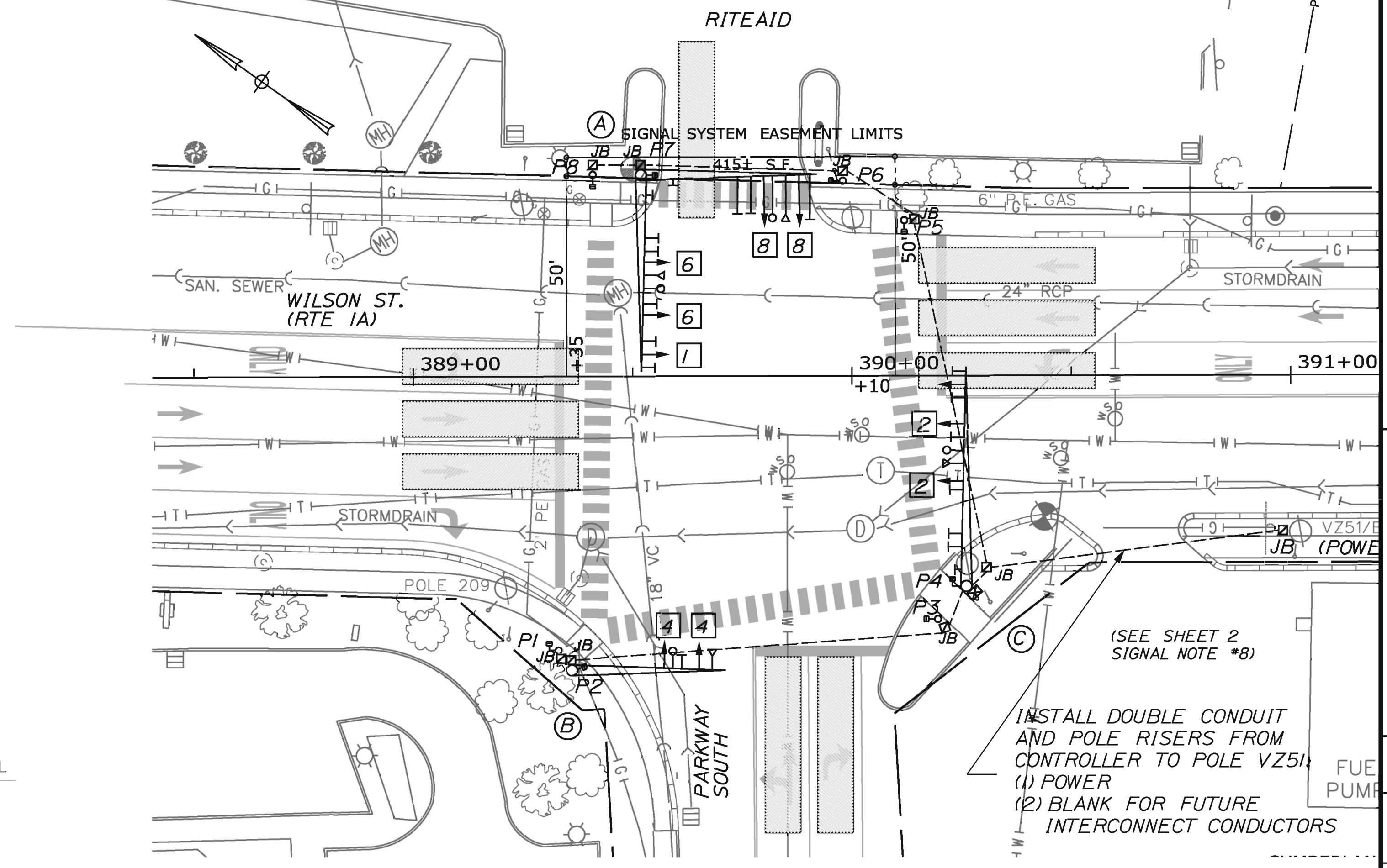
DATE	BY	REVISION

BREWER  
WILSON STREET / PARKWAY SOUTH  
PLAN

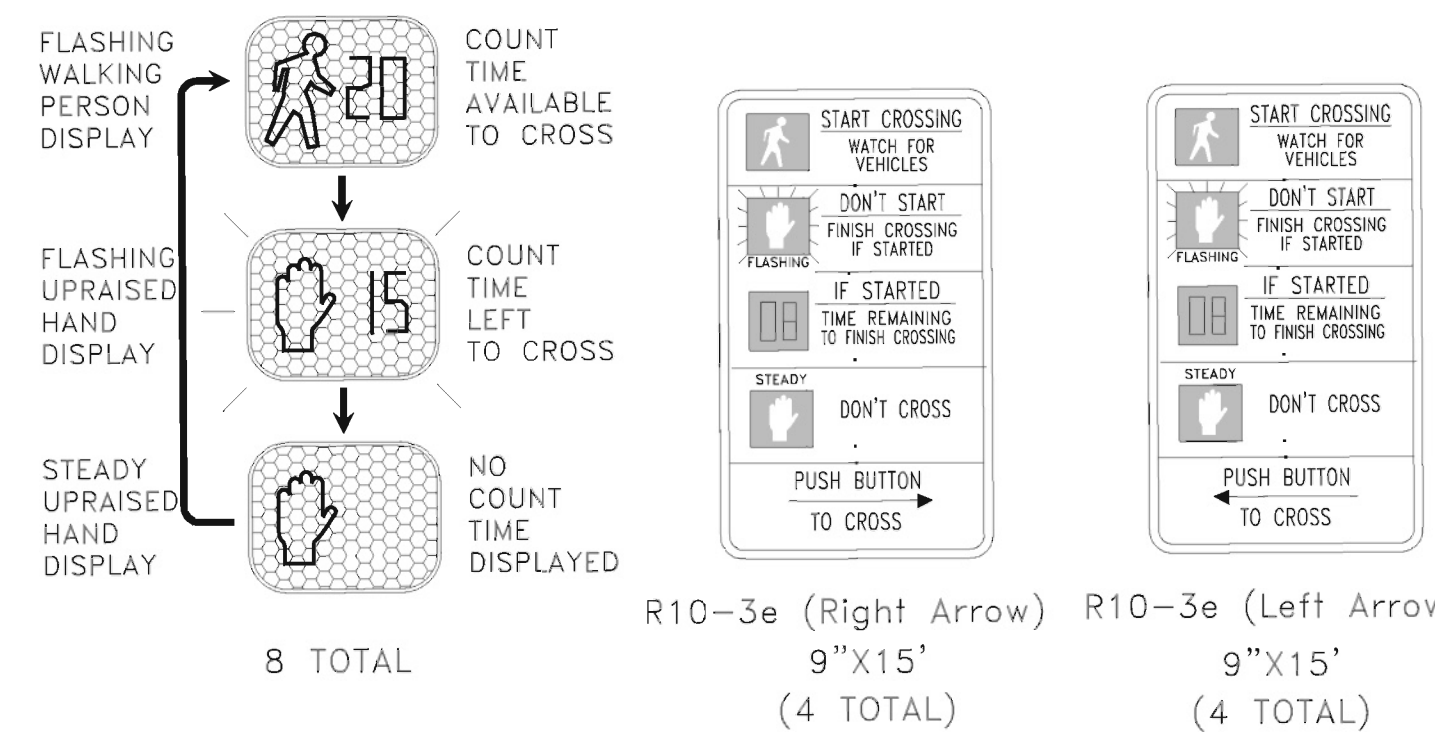
SHEET NUMBER  
3  
OF 6

LEGEND	
	JUNCTION BOX (JB)
	CONTROLLER CABINET
	SCHED. 80 PVC SIGNAL CONDUIT
	PEDESTRIAN SIGNAL HEAD
	TOMAR PREEMPTION RECEIVER
	PROPOSED OVERHEAD SIGN
	SIGNAL HEAD (PROPOSED)
	VIDEO DETECTOR
	PEDESTAL POLE
	MAST ARM W/SIGNAL STANDARD
	VIDEO DETECTION ZONE

**NOTE:**  
EXISTING STRAIN POLES AND CONTROLLER/CABINET SHALL BE REMOVED.



ALL SIGNAL FACE DISPLAYS SHALL BE 12" LED  
ALL SIGNAL FACE DISPLAYS SHALL HAVE TUNNEL VISORS  
ALL SIGNAL DISPLAYS SHALL HAVE BACKPLATES  
**(NOTE: 8 EXISTING 3-SECTION ASSEMBLIES  
2 EXISTING 5-SECTION ASSEMBLIES)**

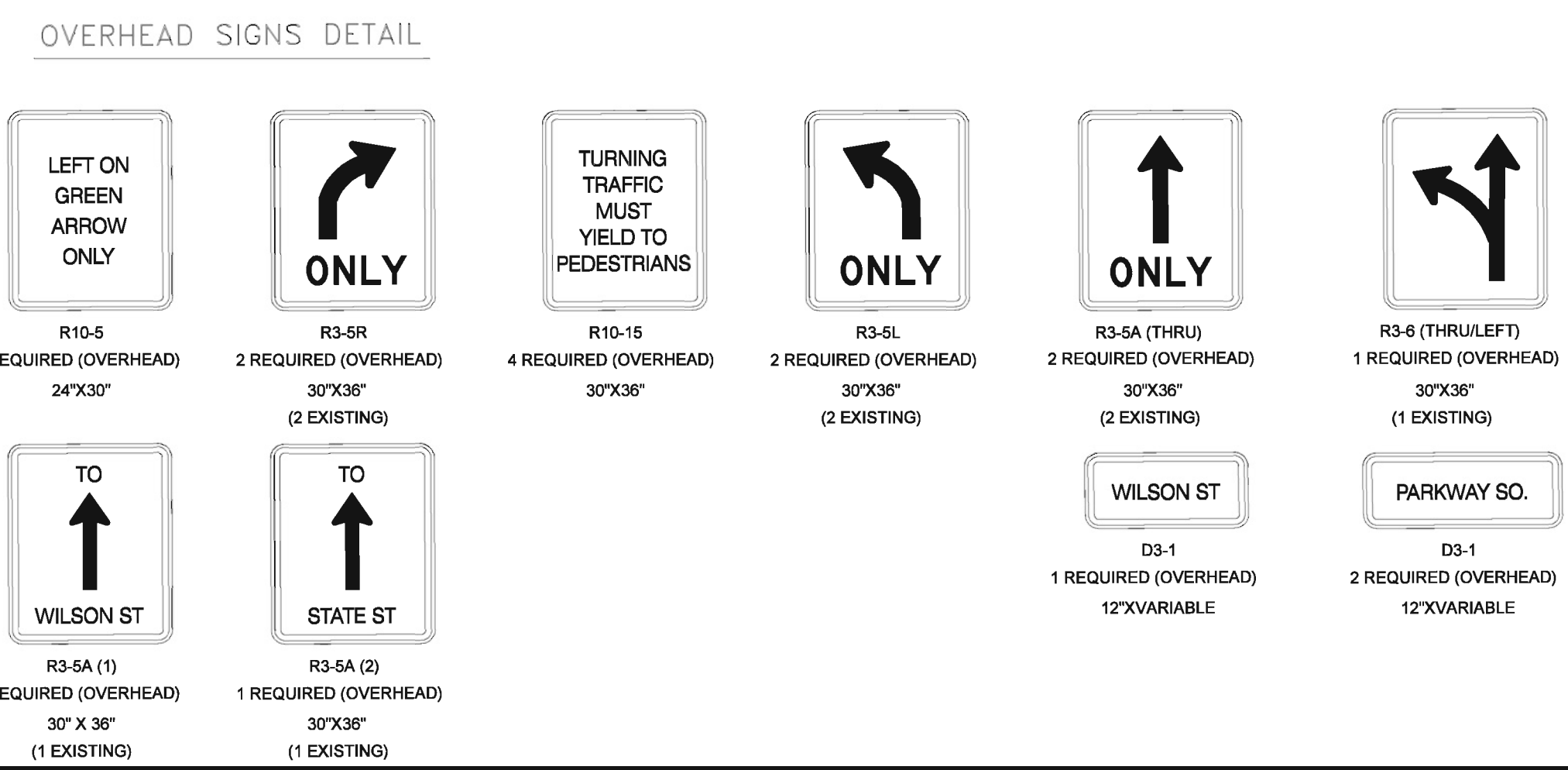


**CONTROLLER PROGRAMMING (INITIAL)**

INTERVAL	PHASE 1	PHASE 2	PHASE 5	PHASE 6	PHASE 4	PHASE 8	FLASH
PHASE	WILSON ST. WB LEFT	WILSON ST. EB	WILSON ST. EB LEFT	WILSON ST. WB	RITEAID	PARKWAY SOUTH	
TIMING IN SECONDS							
INITIAL INTERVAL	4	14	4	14	4	7	
VEHICLE EXTENSION	3	4	3	4	3	3	
*MAX. GREEN 1	16	34	16	50	34	34	
YELLOW	3.0	3.6	3.0	3.6	3.0	3.0	
ALL RED	2.6	1.9	2.6	1.9	3.5	3.5	
PEDESTRIAN WALK		7		7	7	7	
PEDESTRIAN CLEAR		24		10	26	22	
RECALL		SOFT		SOFT			

\* = INHIBIT DURING COORDINATED OPERATIONS

**FLASH**  
CONTROLLER TO FLASH PHASE 2&6 YELLOW. ALL OTHER PHASES TO FLASH RED. PEDESTRIAN SIGNALS TO GO DARK.



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
NH-1432(500)E  
PIN 17325.00  
HIGHWAY PLANS

BREWER  
WILSON STREET / PARKWAY SOUTH  
SIGNAL DETAILS

PROJ. MANAGER	JIM MANSER	DATE	
DESIGN-DETAILED	A/G	9-10	SIGNATURE
CHECKED-REVIEWED	A/G	9-10	4226
DESIGN-DETAILED 2			P.E. NUMBER
DESIGN-DETAILED 3			OCTOBER 15, 2010
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SHEET NUMBER  
**4**  
OF 6

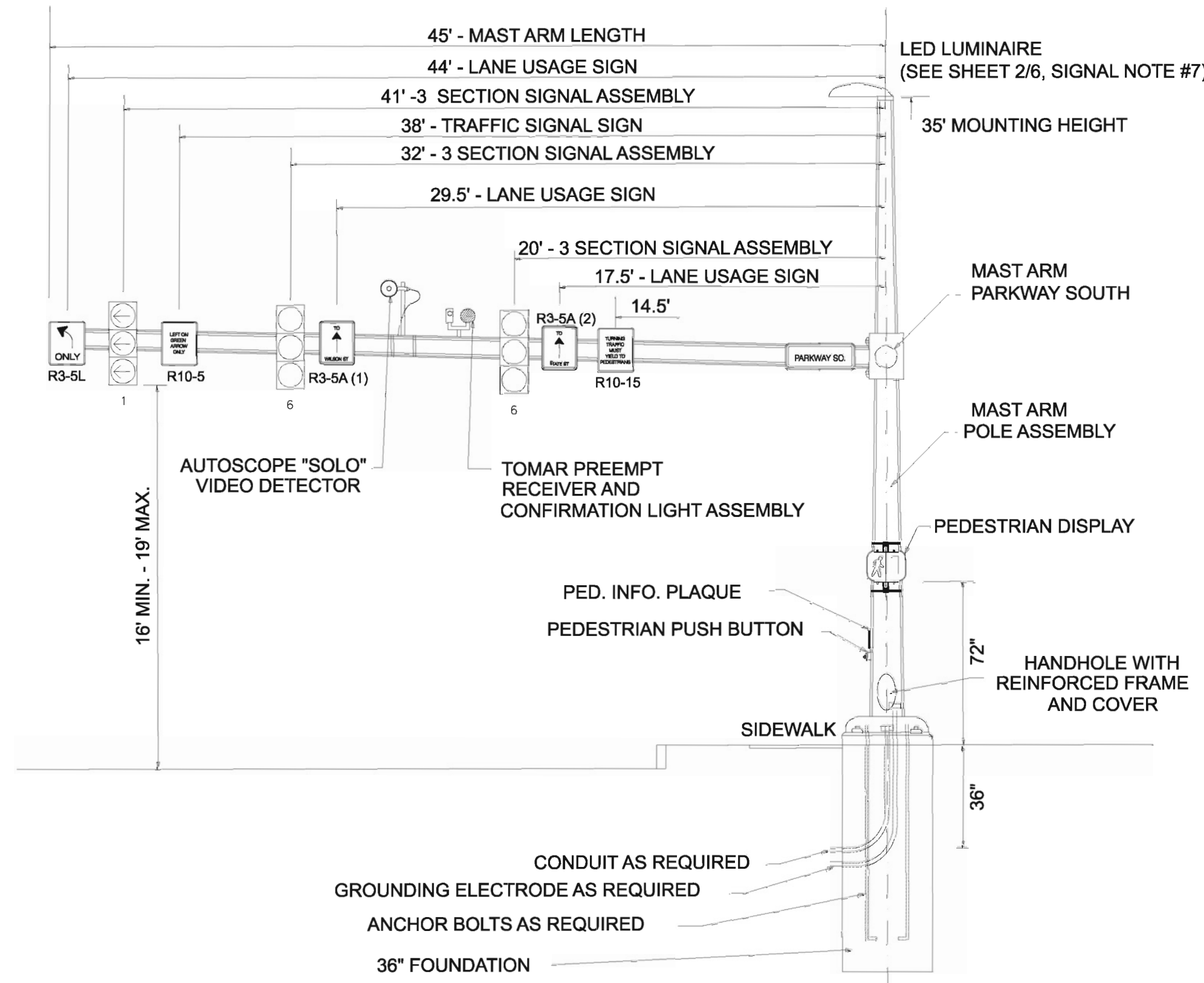


Date: 10/18/2010

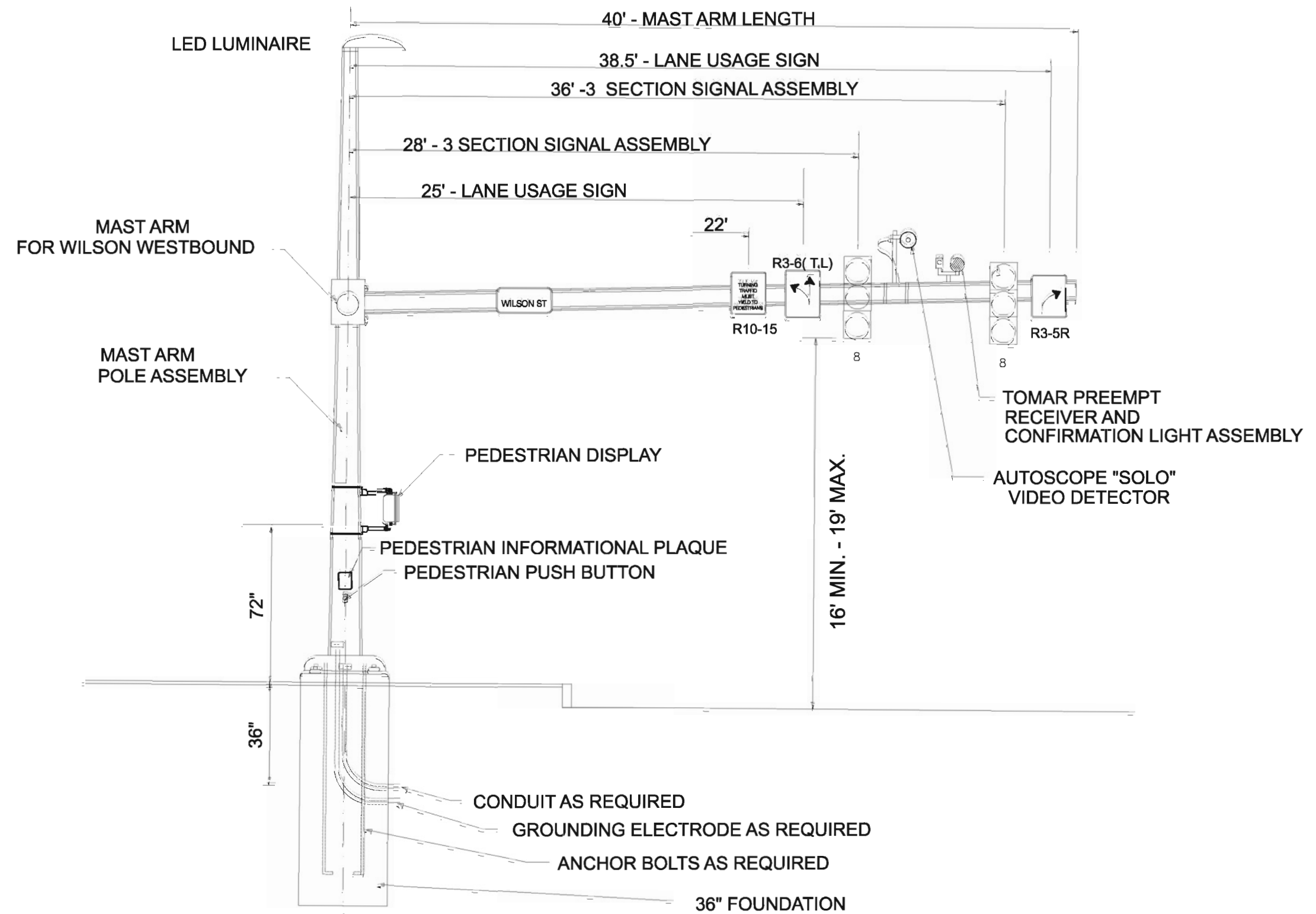
Username: jecton

Division: HIGHWAY

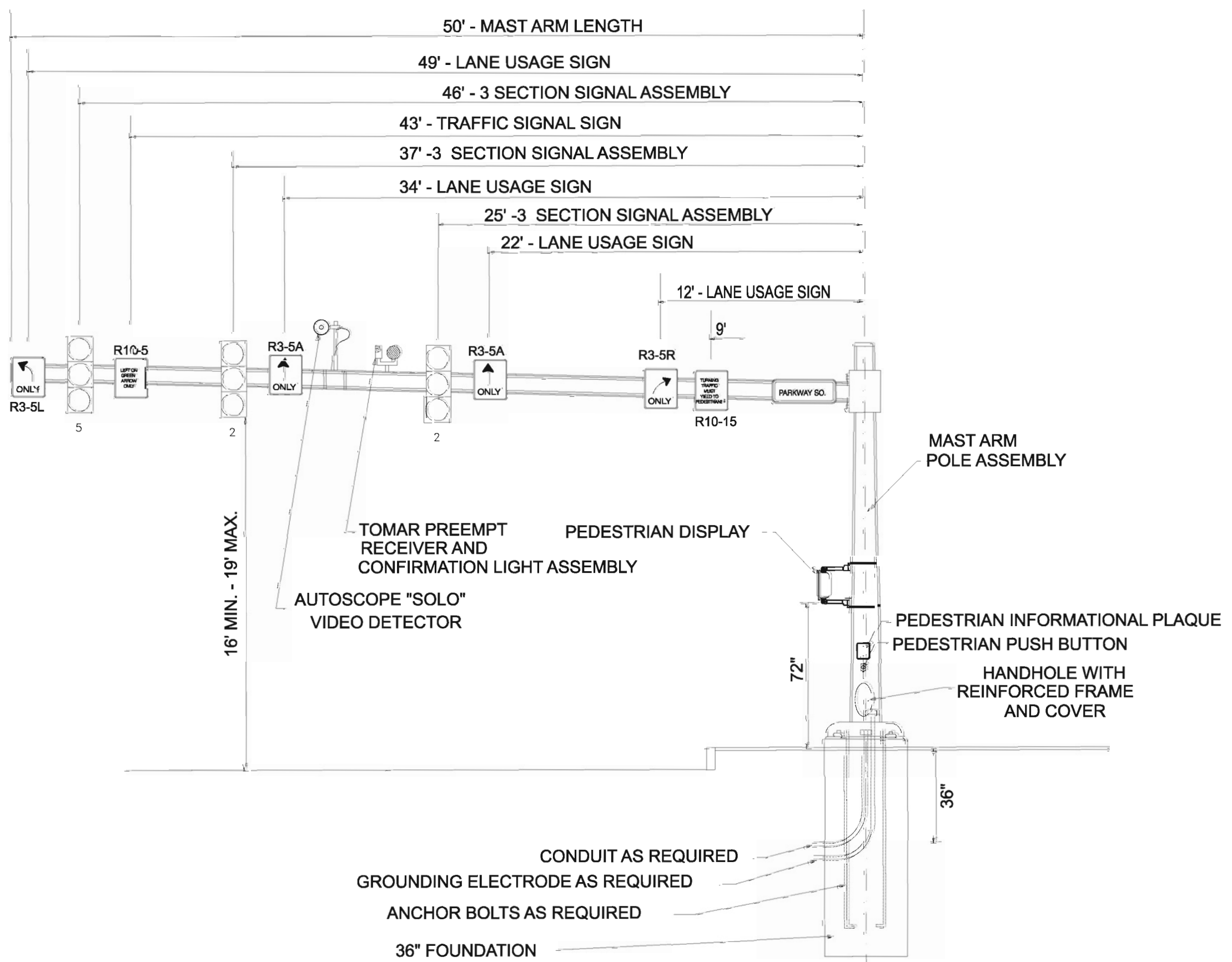
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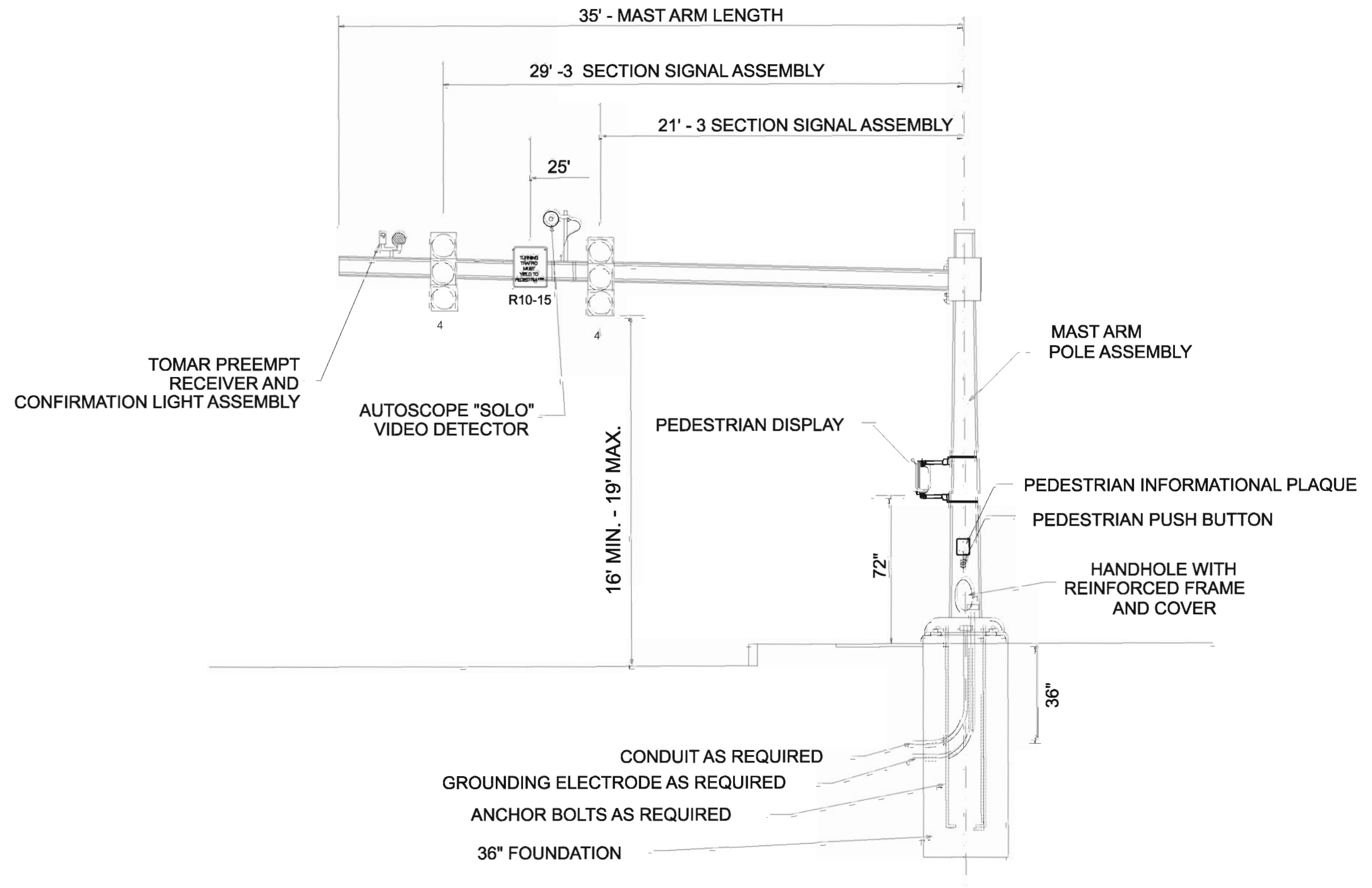
MAST ARM SIGNAL ASSEMBLY (A)  
 WILSON STREET WESTBOUND  
 POLE W/ 45' MAST ARM  
 STA. 389+52, 46' LT.



MAST ARM SIGNAL ASSEMBLY (A)  
 PARKWAY SOUTH NORTHBOUND  
 POLE W/ 40' MAST ARM  
 STA. 389+52, 46' LT.



MAST ARM SIGNAL ASSEMBLY (C)  
 WILSON STREET EASTBOUND  
 POLE W/ 45' MAST ARM  
 STA. 390+26, 48' RT.



MAST ARM SIGNAL ASSEMBLY (B)  
 RITEAID EXIT SOUTHBOUND  
 POLE W/ 35' MAST ARM  
 STA. 389+36, 67' RT.

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 NH-1732(500)E  
 PIN 17325.00  
 HIGHWAY PLANS

PROJ. MANAGER	JIM MANSUR	DATE	9-10
CHECKED-REVIEWED	ALG	BY	JLE
DESIGN-REVIEWED	ALG	SIGNATURE	4226
DESIGN-DETAILED	2	P.E. NUMBER	OCTOBER 15, 2010
REVISIONS	1	DATE	
REVISIONS	2		
REVISIONS	3		
REVISIONS	4		
FIELD CHANGES			

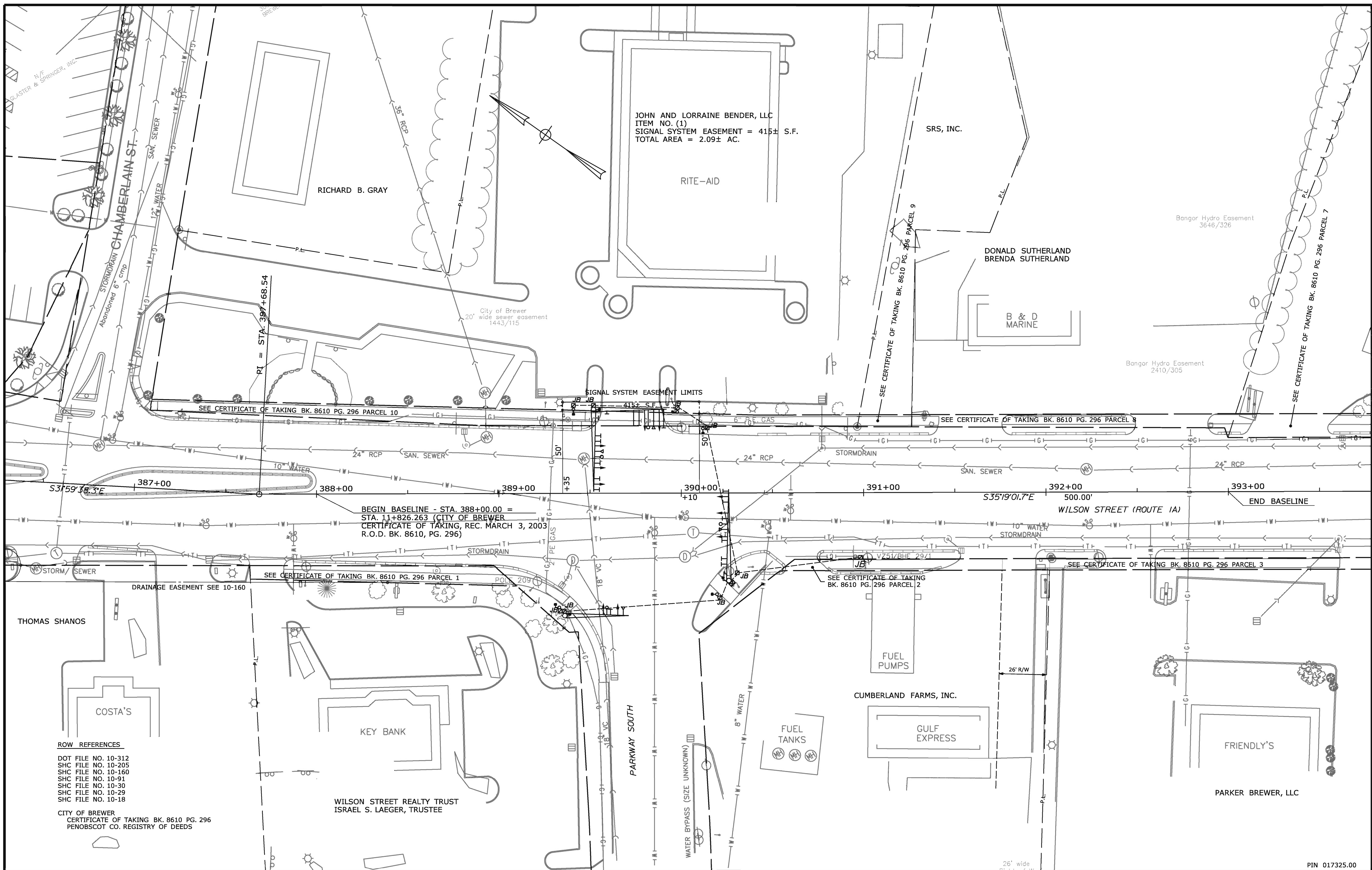
BREWER  
 WILSON STREET / PARKWAY SOUTH  
 SIGNAL DETAILS

SHEET NUMBER  
 5  
 OF 6

Date: 10/18/2010

Username: jeason

Filename: ...:\00\ROW\MSTA\01\_RWPLOT\_01.dgn Division: HIGHWAY



ROW REFERENCES

- DOT FILE NO. 10-312
- SHC FILE NO. 10-205
- SHC FILE NO. 10-160
- SHC FILE NO. 10-91
- SHC FILE NO. 10-30
- SHC FILE NO. 10-29
- SHC FILE NO. 10-18

CITY OF BREWER  
 CERTIFICATE OF TAKING BK. 8610 PG. 296  
 PENOBSCOT CO. REGISTRY OF DEEDS

WILSON STREET REALTY TRUST  
 ISRAEL S. LAEGER, TRUSTEE

JOHN AND LORRAINE BENDER, LLC  
 ITEM NO. (1)  
 SIGNAL SYSTEM EASEMENT = 415± S.F.  
 TOTAL AREA = 2.09± AC.

SRS, INC.

DONALD SUTHERLAND  
 BRENDA SUTHERLAND

B & D MARINE

Bangor Hydro Easement  
 2410/305

Bangor Hydro Easement  
 3646/326

City of Brewer  
 20' wide sewer easement  
 1443/115

RI = STA. 387+68.54

SIGNAL SYSTEM EASEMENT LIMITS

SEE CERTIFICATE OF TAKING BK. 8610 PG. 296 PARCEL 10

SEE CERTIFICATE OF TAKING BK. 8610 PG. 296 PARCEL 8

SEE CERTIFICATE OF TAKING BK. 8610 PG. 296 PARCEL 7

BEGIN BASELINE - STA. 388+00.00 =  
 STA. 11+826.263 (CITY OF BREWER  
 CERTIFICATE OF TAKING, REC. MARCH 3, 2003  
 R.O.D. BK. 8610, PG. 296)

SEE CERTIFICATE OF TAKING  
 BK. 8610 PG. 296 PARCEL 2

SEE CERTIFICATE OF TAKING BK. 8610 PG. 296 PARCEL 3

THOMAS SHANOS

COSTA'S

KEY BANK

PARKWAY SOUTH

CUMBERLAND FARMS, INC.

GULF EXPRESS

FRIENDLY'S

PARKER BREWER, LLC

FUEL PUMPS

FUEL TANKS

26' wide

PIN 017325.00

REVISIONS			PLAN FILED IN PLAN BOOK				COUNTY RECORD						
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	NO.	DATE	BOOK	PAGE

DAVID A. COLE  
 COMMISSIONER  
 KENNETH L. SWEENEY  
 CHIEF ENGINEER  
 DATE

To the best of my knowledge and belief the Highway Right of Way lines depicted hereon are based upon a survey conforming to the Standards of Practice promulgated by the Maine Board of Licensure for Professional Land Surveyors 02-360 CMR, Chapter 90; Exceptions: (1) No separate survey report, (2) Monumentation only as shown on plan. See sheet #1 of this plan set for coordinates. (3) Other boundary lines, including lines between abutters are approximate and for general reference purposes only.

**STATE HIGHWAY "43"**  
 US ROUTE 1A \ WILSON STREET

**BREWER**                      **PENOBSCOT COUNTY**  
**FEDERAL AID PROJECT NO. NH-1732(500)E**

JULY 2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 10-464
SCALE 1" = 25'	SHEET 1 OF 1	

SHEET NUMBER  
6  
 OF 6

**NOTE:**  
 THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CAN NOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

**SYMBOLS**

○	WELL (WELL)
—	GROUNDWATER LINE
—	CONSTRUCTION LIMIT LINE
—	PROPERTY LIMIT LINE
—	LIMITS OF WROUGHT PORTION
—	EXISTING RIGHT OF WAY
—	NEW RIGHT OF WAY
—	NEW ROW WITH EXIST. ROW
—	CONTROL OF ACCESS

**TECH CHECKED**

ITEM	BASE MAP	EXIST. R/W	PROP. LINES	AREAS
CITY	—	—	—	—
ALG	—	—	—	—
ALG	—	—	—	—

**STATE OF MAINE**  
**DEPARTMENT OF TRANSPORTATION**  
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016  
**BREWER**  
**RIGHT OF WAY MAP**