



# Oregon

Theodore R. Kulongoski, Governor

Department of Transportation  
Technical Services  
Roadway Engineering Section  
355 Capitol Street NE, Room 222  
Salem, OR 97301-3871  
Telephone 503-986-3714  
FAX 503-986-3749

DATE: June 12<sup>th</sup>, 2009

## Addenda No. 1

TO: PLAN HOLDERS

PREPARED BY:

APPROVED BY:

P.E.

SUBJECT: 1st St and Main Ave Sidewalk and Bike Lanes (Irrigon)  
First Street and Main Avenue  
Morrow County  
Grading, Drainage, Structures, Paving and Illumination  
(Bids to be opened and read June 18<sup>th</sup>, 2009)

### The following changes are made to the Project Bid Booklet:

1. The following changes are made to the Project Bid Items:

a. Quantity changes:

<u>Number</u>	<u>Item</u>	<u>Quantity</u>	
		<u>Original</u>	<u>New</u>
0090	Sediment Barrier	210	260
0210	Concrete Curbs, Standard Curb	4300	4400
0230	Concrete Walks	8200	20900
0310	Wood Sign Posts	196	205
0420	Removing and Rebuilding Fence	840	1150

b. Added items:

<u>Number</u>	<u>Item</u>	<u>Unit</u>	<u>Quantity</u>
0470	Pole Foundations	LS	ALL
0480	Lighting Poles, Fixed Base	LS	ALL
0490	Lighting Pole Arms	LS	ALL
0500	Luminaires, Lamps, and Ballasts	LS	ALL
0510	Switching, Conduit, and Wiring	LS	ALL

Make a copy of and use the new attached Bid Sheets. A Bid **not** including these new Bid Sheets **will be rejected as non-responsive**.

**The following changes are made to the Project Special Provisions:**

1. Subsection 00180.40(c) Specific Limitations - The paragraph that begins with the words "Right-of-Way and Access Delays" is deleted.
2. Subsection 00180.65 Right-of-Way and Access Delays - This entire subsection is deleted.
3. Section 00405 – TRENCH EXCAVATION, BEDDING, AND BACKFILL - This Section is added after Section 00340 - WATERING:

**SECTION 00405 - TRENCH EXCAVATION, BEDDING, AND BACKFILL**

Comply with Section 00405 of the Standard Specifications.

4. Section 00495 – TRENCH RESURFACING - This Section is added after Section 00490 – WORK ON EXISTING SEWERS AND STRUCTURES:

**SECTION 00495 - TRENCH RESURFACING**

Comply with Section 00495 of the Standard Specifications modified as follows:

**00495.80 Measurement** - In the paragraph that begins "The quantities of trench resurfacing...", replace the third sentence with the following sentence and bullets:

The width will be the nominal inside diameter of the pipe plus:

- 24 inches for pipes less than 36 inch in diameter
- 48 inches for pipes between 36 inch and 72 inch, inclusive

5. Section 00950 – REMOVAL OF ELECTRICAL SYSTEMS - This Section is added after Section 00910 – WOOD SIGN POSTS:

**SECTION 00950 - REMOVAL OF ELECTRICAL SYSTEMS**

Comply with Section 00950 of the Standard Specifications.

6. Section 00960 – COMMON PROVISIONS FOR ELECTRICAL SYSTEMS - This Section is added after Section 00950 – REMOVAL OF ELECTRICAL SYSTEMS:

**SECTION 00960 - COMMON PROVISIONS FOR ELECTRICAL SYSTEMS**

Comply with Section 00960 of the Standard Specifications modified as follows:

**00960.41(f) Disposition of Waste Materials** - Replace this subsection with the following subsection:

**00960.41(f) Disposal of Materials** - Dispose of all materials according to 00290.20.

7. Section 00962 – METAL ILLUMINATION AND TRAFFIC SIGNAL SUPPORTS - This Section is added after Section 00960 – COMMON PROVISIONS FOR ELECTRICAL SYSTEMS:

**SECTION 00962 - METAL ILLUMINATION AND TRAFFIC SIGNAL SUPPORTS**

Comply with Section 00962 of the Standard Specifications modified as follows:

**00962.10 Materials** - Add the following to the end of the material list:

High-Strength Fasteners ..... 02560.20

**00962.05(c) Illumination Supports** - Add the following to the end of this subsection:

The following standard illumination pole drawings are prequalified for use on the Project:

Ameron Pole Products Division	Drg. OR7, Rev. C, 1/02 Drg. OR8, Rev. C, 1/02 Drg. OR9, Rev. E, 2/02
Union Metal Corp.	Drg. 71049-B18 sh 1, R3, 2/99 Drg. 71049-B18 sh 2, R3, 2/99 Drg. 71049-B19 sh 1, R3, 2/99 Drg. 71049-B19 sh 2, R3, 2/99
Northwest Signal Supply	Drg. NWS2285M, 9/00
Valmont Industries Inc.	Drg. DB00386 sh 1, Rev. B, 3/12/03 Drg. DB00386 sh 2, Rev. B, 3/12/03 Drg. DB00386 sh 3, Rev. B, 3/12/03 Drg. DB00387 sh 1, Rev. B, 3/12/03 Drg. DB00387 sh 2, Rev. B, 3/12/03

**00962.41(b) Disposition of Waste Materials** - Replace this subsection with the following subsection:

**00962.41(b) Disposal of Materials** - Dispose of all materials according to 00290.20.

8. Section 00970 – HIGHWAY ILLUMINATION - This Section is added after 00962 – METAL ILLUMINATION AND TRAFFIC SIGNAL SUPPORTS:

### **SECTION 00970 - HIGHWAY ILLUMINATION**

Comply with Section 00970 of the Standard Specifications modified as follows:

**00970.00 Scope** - Replace this subsection, except for the subsection number and title, with the following:

In addition to the requirements of Section 00960, Section 00962, and Section 02926, install highway illumination according to the following Specifications.

Add the following subsection:

**00970.50 Grounding and Bonding** - In addition to the requirements of 00960.50 and 00962.50, ground and bond metal illumination poles and high mast towers according to the following:

Install 1 inch non-metallic conduit from the pole base to the concrete and polymer concrete junction box at each pole. Install a ground rod in each junction box and install No. 6 AWG copper ground wire from the ground stud in the pole base to the ground rod in the junction box. The ground rod may be installed in the same junction box that provides illumination circuitry to the pole, however, provide a separate and independent conduit for the ground wire. Bond all metal conduit and metal junction box covers, if used, together to the ground rod.

On the inside of high mast tower shafts, weld a 1/2 inch Type 308, 309, or 310 threaded stainless steel stud for a grounding lug. Locate the grounding lug 90 degrees from and level with the bottom of the handhole.

**00970.80 Measurement** - In the paragraph that begins "The estimated quantities of...", replace the sentence that begins "The estimated quantities of..." with the following sentence:

The quantities of lighting poles and arms are listed on the Project plans.

**The following changes are made to the Project Plans:**

1. Plan sheets 1, 1A, 6 to 8, and GA are replaced with revised plan sheets 1, 1A, 6 to 8, and GA.

1st St and Main Ave Sidewalk and Bike Lanes (Irrigon)  
First Street and Main Avenue  
Morrow County  
Grading, Drainage, Structures, Paving and Illumination  
(Bids to be opened and read June 18<sup>th</sup>, 2009)

Addenda No. 1

2. Plan sheet L1 is added.

These changes will be included in the Contract for this Project. It is understood that your Bid will be submitted accordingly.

Make copies of the new Bid Sheets to replace the Special Provisions Bid Schedule Sheets.

IKF:ikf

Attachments: New Bid Sheets  
Revised Plan Sheets  
New Plan Sheet

BID SCHEDULE

CONTRACT ID: 14080

PROJECT: 1ST ST & MAIN AVE SIDEWALK AND  
BIKE LANES (IRRIGON)

PROJECT KEY: 16608

ADDENDUM NUMBER: 1

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
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SECTION 0001 TEMPORARY FEATURES AND APPURTENANCES

0010	0210-0100000A MOBILIZATION	LS	ALL	
0020	0225-0100000A TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	ALL	
0030	0225-0102000J TEMPORARY SIGNS	SQFT	180.00	
0040	0225-0105000E TEMPORARY BARRICADES, TYPE III	EACH	8.00	
0050	0225-0142000E SURFACE MOUNTED TUBULAR MARKERS	EACH	50.00	
0060	0225-0145000E TEMPORARY PLASTIC DRUMS	EACH	50.00	
0070	0280-0100000A EROSION CONTROL	LS	ALL	
0080	0280-0113000F SEDIMENT FENCE, UNSUPPORTED	FOOT	3,900.00	
0090	0280-0115000F SEDIMENT BARRIER	FOOT	260.00	
0100	0290-0100000A POLLUTION CONTROL PLAN	LS	ALL	

SECTION 0002 ROADWORK

0110	0305-0100000A CONSTRUCTION SURVEY WORK	LS	ALL	
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BID SCHEDULE

CONTRACT ID: 14080

PROJECT: 1ST ST & MAIN AVE SIDEWALK AND  
BIKE LANES (IRRIGON)

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ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0120	0310-0103000J REMOVAL OF SURFACINGS	10,200.00 SQYD		
0130	0310-0106000A REMOVAL OF STRUCTURES AND OBSTRUCTIONS	ALL LS		
0140	0320-0100000A CLEARING AND GRUBBING	ALL LS		
0150	0330-0123000K EMBANKMENT IN PLACE	1,100.00 CUYD		

SECTION 0003 DRAINAGE AND SEWERS

0160	0490-0100000E ADJUSTING BOXES	12.00 EACH		
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SECTION 0004 BRIDGES

0170	0596-0102000J RETAINING WALL, PREFABRICATED MODULAR	910.00 SQFT		
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SECTION 0005 BASES

0180	0640-0100000M AGGREGATE BASE	2,000.00 TON		
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SECTION 0006 WEARING SURFACES

0190	0744-0202000M LEVEL 2, 1/2 INCH DENSE MHMAC MIXTURE	2,100.00 TON		
0200	0759-0103000F CONCRETE CURBS, CURB AND GUTTER	780.00 FOOT		

BID SCHEDULE

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PROJECT: 1ST ST & MAIN AVE SIDEWALK AND BIKE LANES (IRRIGON)

PROJECT KEY: 16608

ADDENDUM NUMBER: 1

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0210	0759-0110000F CONCRETE CURBS, STANDARD CURB	4,400.00 FOOT		
0220	0759-0126000J CONCRETE DRIVEWAYS	3,600.00 SQFT		
0230	0759-0128000J CONCRETE WALKS	20,900.00 SQFT		
0240	0759-0152000J CONCRETE DRIVEWAY CONNECTIONS	5,200.00 SQFT		
0250	0759-0162000F METAL HANDRAIL, 3 RAILS	265.00 FOOT		
0260	0759-9Z90000J CONCRETE WALKS, REINFORCED	230.00 SQYD		
0270	0760-0100000J UNIT PAVERS	1,675.00 SQFT		

SECTION 0007 PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES

0280	0860-0200000F LONGITUDINAL PAVEMENT MARKINGS - PAINT	2,420.00 FOOT		
0290	0867-0144000J PAVEMENT BAR, TYPE A	730.00 SQFT		

SECTION 0008 PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS

0300	0905-0101000A REMOVE AND REINSTALL EXISTING SIGNS	ALL LS		
0310	0910-0100000K WOOD SIGN POSTS	205.00 FBM		

SECTION 0009 RIGHT-OF-WAY DEVELOPMENT AND CONTROL

BID SCHEDULE

CONTRACT ID: 14080

PROJECT: 1ST ST & MAIN AVE SIDEWALK AND  
BIKE LANES (IRRIGON)

PROJECT KEY: 16608

ADDENDUM NUMBER: 1

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0320	1030-9Z90000A PERMANENT SEEDING	LS ALL		
0330	1040-0101000K TOPSOIL	CUYD 160.00		
0340	1040-0131000E DECIDUOUS TREES, 2-1/2 INCH CALIPER	EACH 26.00		
0350	1040-0154000E SHRUBS, NO. 2 CONTAINER	EACH 310.00		
0360	1040-0171000E GROUNDCOVERS, NO. 1 CONTAINER	EACH 1,100.00		
0370	1040-0176000E BULBS	EACH 530.00		
0380	1040-0196000M ROCK MULCH	TON 50.00		
0390	1040-0200000E TREE GRATES	EACH 21.00		
0400	1040-0206000F ROOT BARRIER	FOOT 510.00		
0410	1040-0208000J WEED CONTROL GEOTEXTILE	SQFT 4,300.00		
0420	1050-0240000F REMOVING AND REBUILDING FENCE	FOOT 1,150.00		
0430	1070-0100000E SINGLE MAILBOX SUPPORTS	EACH 6.00		
0440	1092-0100000A WATER QUALITY SWALE	LS ALL		

SECTION 0010 WATER SUPPLY SYSTEMS

BID SCHEDULE

CONTRACT ID: 14080

PROJECT: 1ST ST & MAIN AVE SIDEWALK AND  
BIKE LANES (IRRIGON)

PROJECT KEY: 16608

ADDENDUM NUMBER: 1

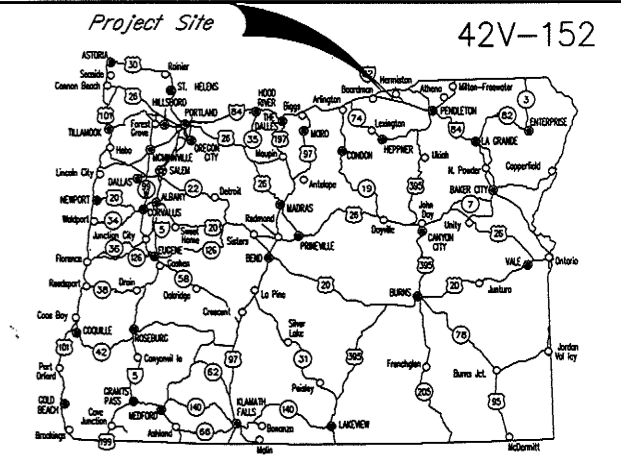
ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0450	1120-0100000A IRRIGATION SYSTEM	LS ALL		
0460	1160-0101000E RESETTING EXISTING HYDRANTS	EACH 3.00		

SECTION 0011 ADDED BID ITEMS

0470	0970-0100000A POLE FOUNDATIONS	LS ALL		
0480	0970-0101000A LIGHTING POLES, FIXED BASE	LS ALL		
0490	0970-0103000A LIGHTING POLE ARMS	LS ALL		
0500	0970-0104000A LUMINAIRES, LAMPS, AND BALLASTS	LS ALL		
0510	0970-0105000A SWITCHING, CONDUIT, AND WIRING	LS ALL		
	TOTAL BID			

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	Title Sheet
1A	Index Of Sheets Cont'd. & Std. Drg. Nos.

STATE OF OREGON  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED PROJECT  
GRADING, DRAINAGE, STRUCTURES, PAVING AND ILLUMINATION  
**1ST ST AND MAIN AVE**  
**SIDEWALK AND BIKE LANES (IRRIGON)**  
FIRST STREET AND MAIN AVENUE  
MORROW COUNTY  
JUNE 2009



Overall Length Of Project - 0.42 Miles

**ATTENTION:**  
Oregon Law Requires You To Follow Rules Adopted By The Oregon Utility Notification Center. Those Rules Are Set Forth In OAR 952-001-0010 Through OAR 952-001-0090. You May Obtain Copies Of The Rules By Calling The Center. (Note: The Telephone Number For The Oregon Utility Center Is (503) 232-1987.)



**otak** Otak Inc. 17355 SW Boones Ferry Rd. Lake Oswego, Oregon 97035  
Phone: (503)635-3618 Fax: (503)635-5395

**OREGON TRANSPORTATION COMMISSION**

- |                    |                            |
|--------------------|----------------------------|
| Gail Achterman     | CHAIR                      |
| Michael Nelson     | VICE-CHAIR                 |
| Janice Wilson      | COMMISSIONER               |
| Alan Brown         | COMMISSIONER               |
| David Lohman       | COMMISSIONER               |
| Matthew L. Garrett | DIRECTOR OF TRANSPORTATION |

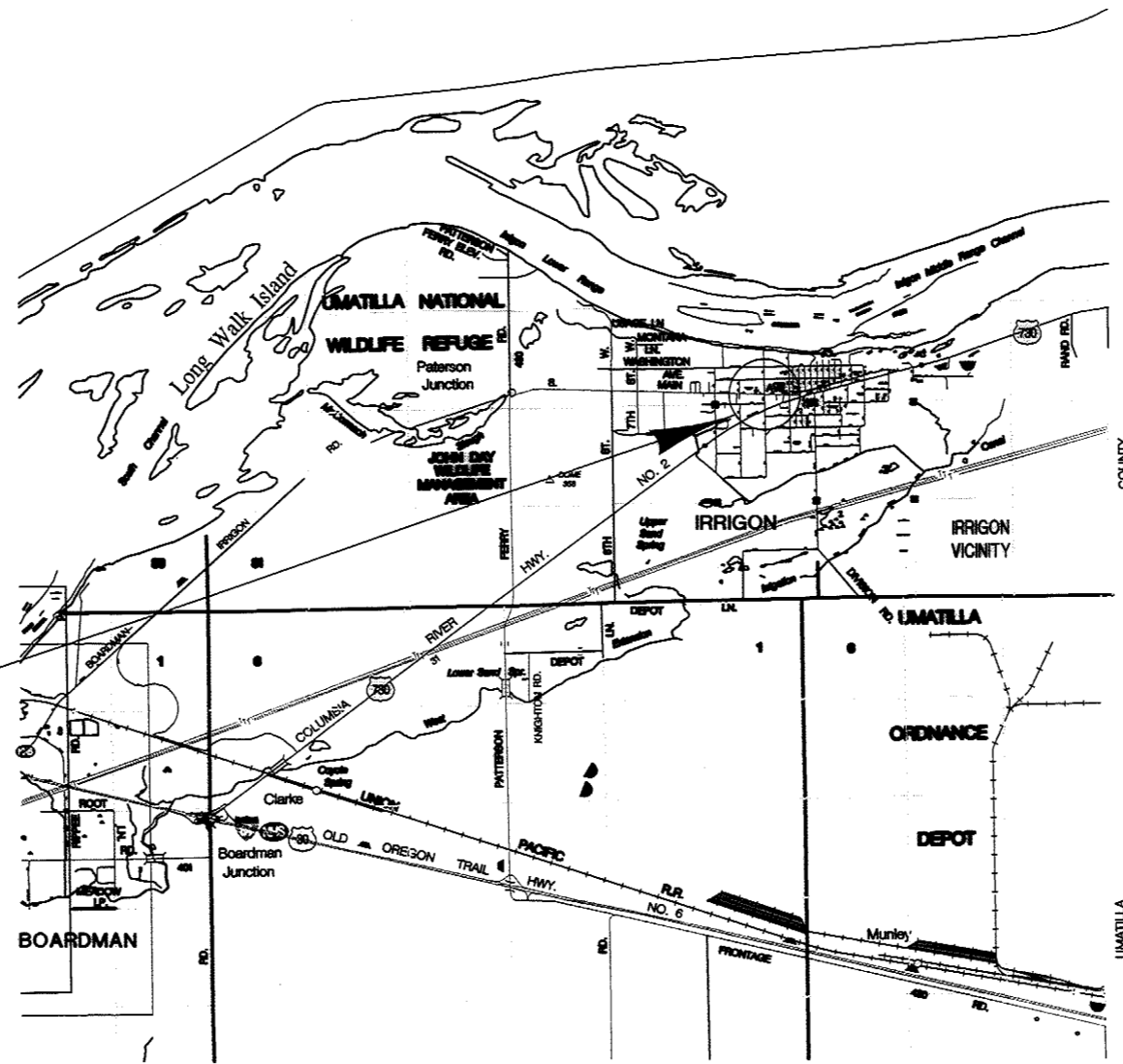
These plans were developed using AASHTO design standards. Exceptions to these standards, if any, have been submitted and approved by the ODOT Chief Engineer or their delegated authority

Approving Authority: *[Signature]*  
Signature & date  
**Darrin Stairs - Manager**  
Print name & title  
*[Signature]*  
Concurrence by ODOT Chief Engineer

**1ST ST AND MAIN AVE  
SIDEWALK AND BIKE LANES (IRRIGON)  
FIRST STREET AND MAIN AVENUE  
MORROW COUNTY**

FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON DIVISION	X-STP-3650 (003)	1

**PROJECT SITE**  
STA "F" 13+26 TO "F" 31+29  
STA "C" 50+25 TO "C" 55+92



Addendum No. 1 - 06/11/09

T. 5 N., R. 26 E., W.M.

INDEX OF SHEETS, CONT'D.	
SHEET NO.	DESCRIPTION
1B	Plan Sheet Layout
2	Typical Sections
2A	Typical Sections
2A-2	Typical Sections
2B	Details Curb Returns
2B-2	Details Curb Extensions
2B-3	Details ADA Curb Ramps
2B-4	Details Driveways
2B-5	Details Driveways
2B-6	Details Driveways
3	General Construction - Sta. "F" 12+50 to Sta. "F" 17+00
4	General Construction - Sta. "F" 17+00 to Sta. "F" 21+50
5	General Construction - Sta. "F" 21+50 to Sta. "F" 26+00
6	General Construction - Sta. "F" 26+00 to Sta. "F" 30+50
7	General Construction - Sta. "C" 50+00 to Sta. "C" 54+00
8	General Construction - Sta. "C" 54+00 to Sta. "C" 56+50
GA	Erosion Control Plan
GC	Modular Wall "A" Plan and Elevation
GC-2	Modular Walls "B" & "C" Plan and Elevation
GC-3	Modular Walls "D" & "E" Plan and Elevation
GC-4	Modular Wall Details
GJ	Water Quality Swale Details
GJ-2	Water Quality Swale Details
GJ-3	Water Quality Swale Curb Return Details
GN	Columbia Lane Streetscape and Planting Plan
GN-2	Columbia Lane Streetscape, Planting Plan, Legend and Notes
GN-3	First Street Streetscape and Planting Plan
GN-4	Columbia Lane Irrigation Plan
GN-5	Columbia Lane Irrigation Plan, Legend and Notes
GN-6	Planting and Site Details
GN-7	Irrigation Details
ST-1	Striping Plan and Details
L-1	Lighting Plan



Standard Drg. Nos.

- RD100
- RD101
- RD610
- RD700
- RD720
- RD750
- RD755
- RD756
- RD759
- RD770
- RD771
- RD820
- RD1030
- RD1040
- TM200
- TM500, TM503
- TM530
- TM670
- TM800
- TM820
- TM821
- TM841
- TM850

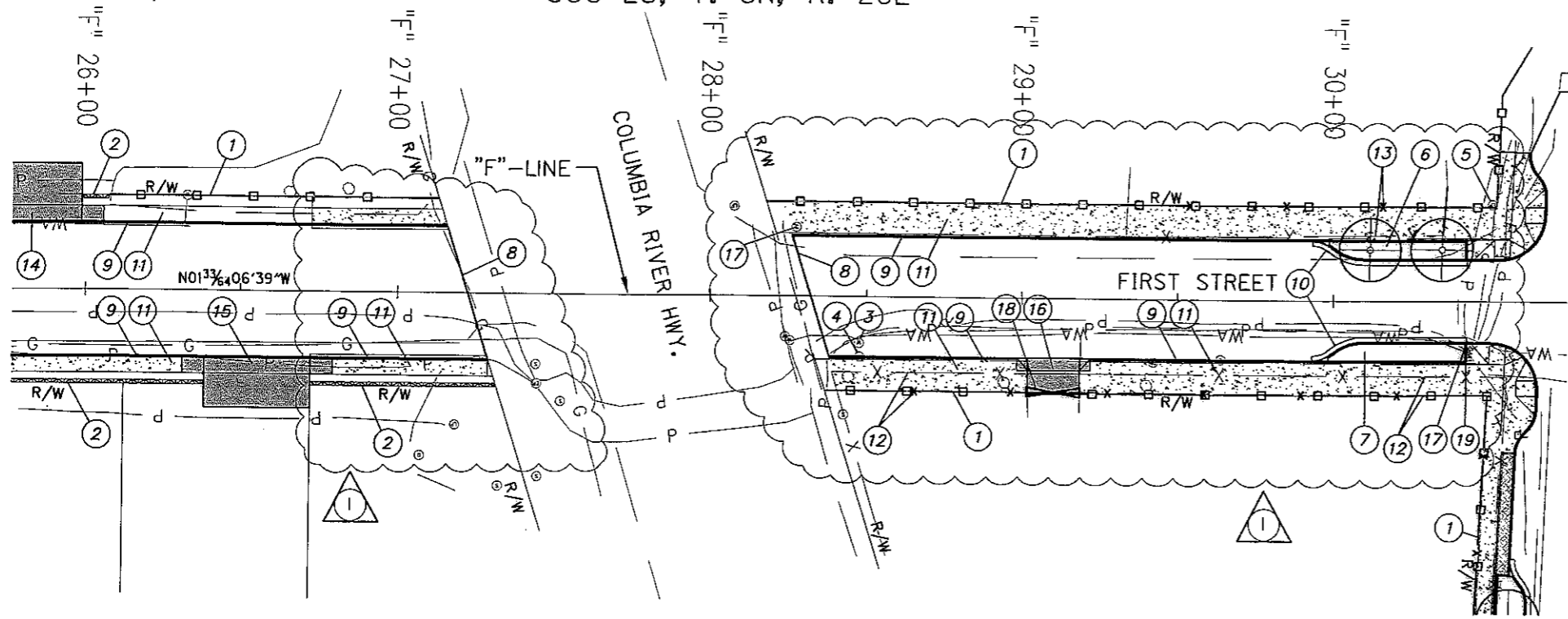
- Mailbox Support
- Mailbox Installation
- Asphalt Pavement Details
- Curbs
- Sidewalks
- Curb Line Sidewalk Driveways - Local Jurisdictions
- Sidewalk Ramp Details
- Sidewalk Ramp Placement
- Truncated Dome Details And Locations
- Pedestrian Handrail
- Pedestrian Handrail Details
- Fence Gates
- Sediment Barrier
- Sediment Fence
- Sign Installation Details
- Pavement Marking Standard Details
- Intersection Pavement Markings
- Perm. Signing Wood Post Supports Sizing Charts
- Tables, Abrupt Edge And PCMS Details
- Temporary Barricades
- Temporary Sign Supports
- Intersection Work Zone Details
- 2-Lane, 2-Way Roadways

No R/W Map

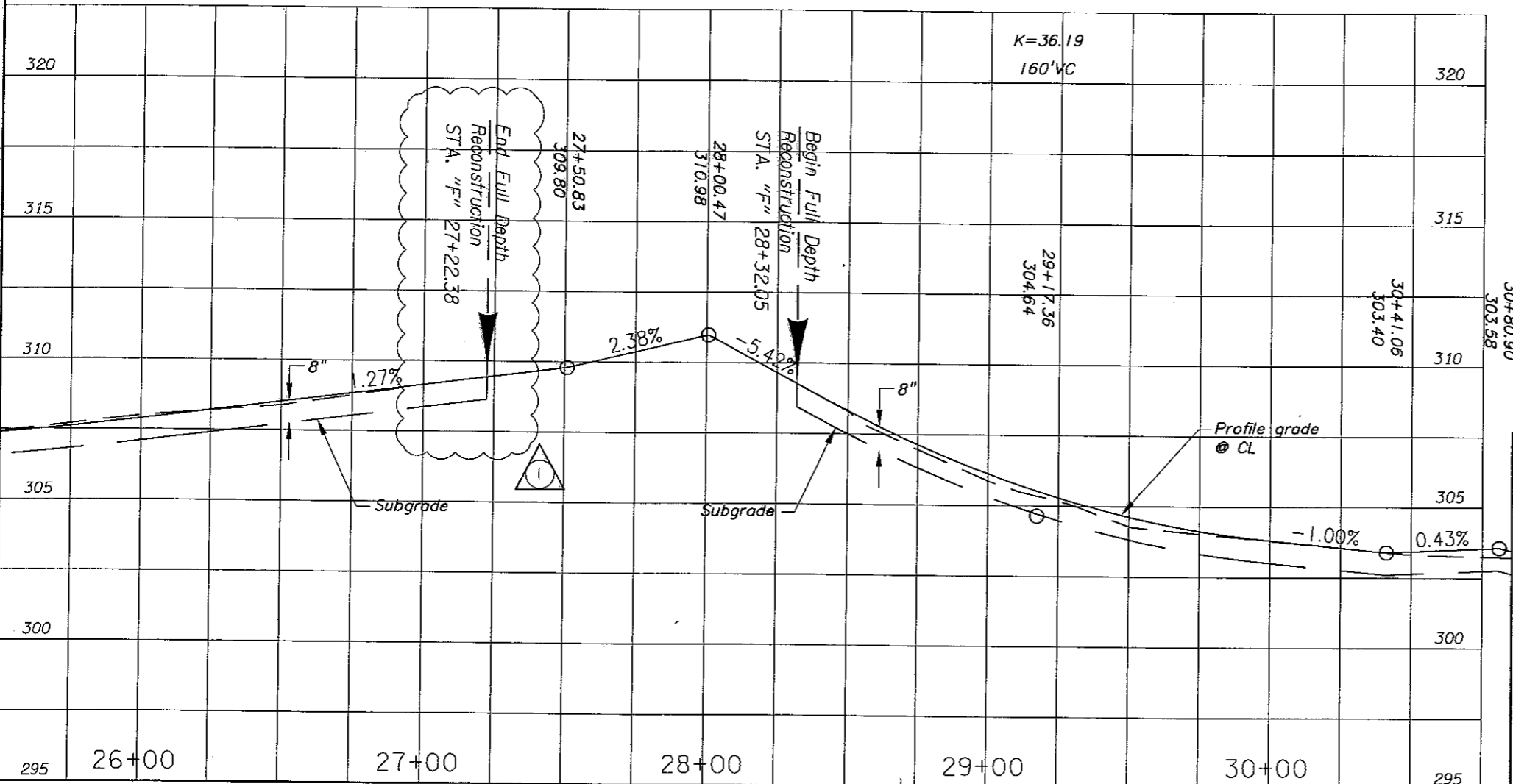


1ST ST AND MAIN AVE SIDEWALK AND BIKE LANES (IRRIGON) FIRST STREET AND MAIN AVENUE MORROW COUNTY		
FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON DIVISION	X-STP-3650 (003)	1A

Sec 25, T. 5N, R. 26E



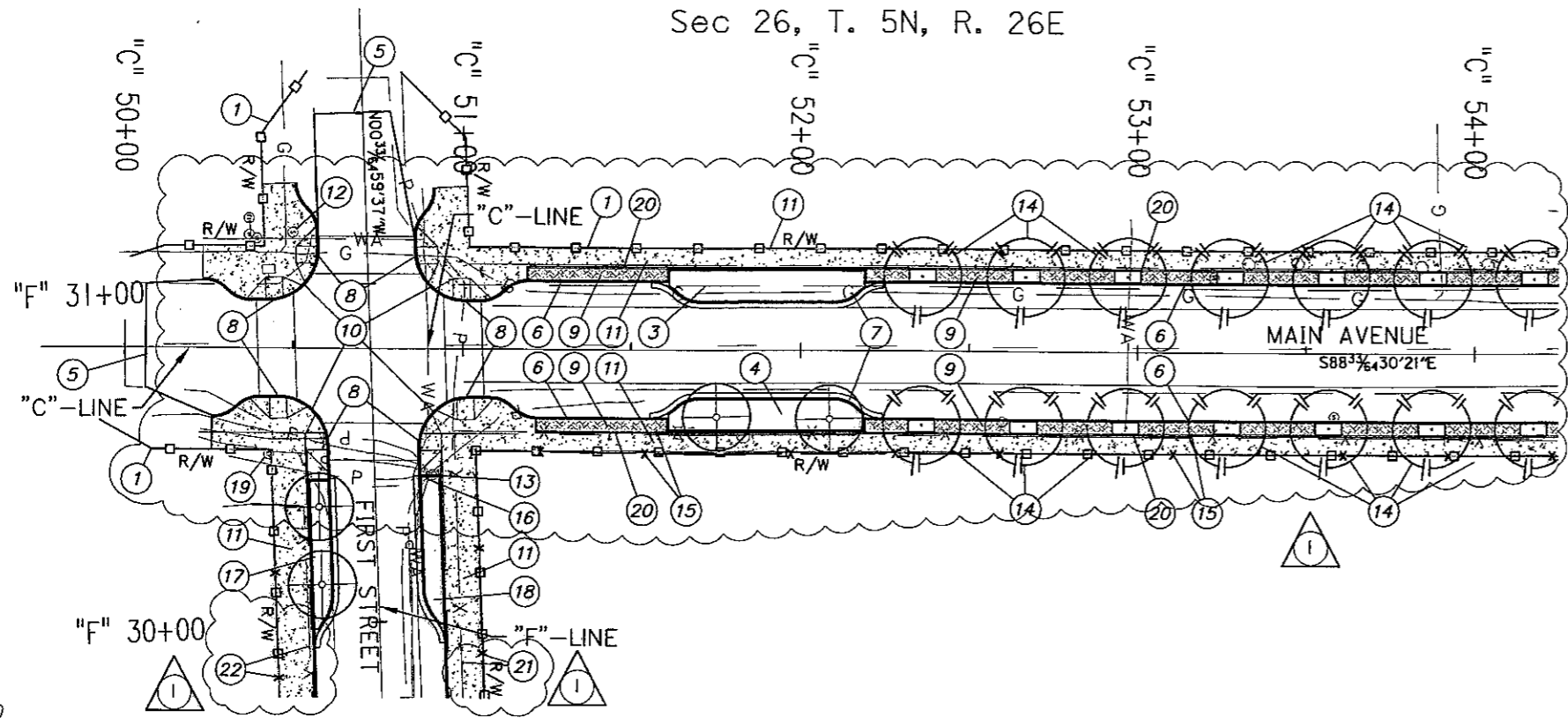
- ① Const. unsupported silt fence (For details, see sht. GA)
- ② Const. sediment barrier, type 2 (For details, see sht. GA) (See drg. no. RD1030)
- ③ Adjust water valve
- ④ Adjust fire hydrant
- ⑤ Adjust electrical pedestal
- ⑥ Sta. "F" 29+93.14 to Sta. "F" 30+42.88, Lt. Const. Water Quality Swale "B7" (For details, see sht. GJ-2)
- ⑦ Sta. "F" 29+93.14 to Sta. "F" 30+42.88, Rt. Const. Water Quality Swale "B8" (For details, see sht. GJ-2)
- ⑧ Limits of full depth reconstruction
- ⑨ Const. standard curb.
- ⑩ Const. modified curb and gutter
- ⑪ Const. conc. sidewalk
- ⑫ Sta. "F" 28+44.55 to Sta. "F" 30+49.56, Rt. remove and rebuild exist. fence, type CL-4
- ⑬ Sta. "F" 29+33.88 to Sta. "F" 30+35.80, Lt. Remove and rebuild exist. fence, type CL-4
- ⑭ See note 19, sht 5
- ⑮ Sta. "F" 26+55.53, Rt. Const. conc. dwy., option N W=34' Const. conc. dwy. connection (For details, see sht. 2B-6)
- ⑯ Sta. "F" 29+10.33, Rt. Const. conc. dwy., option N W=16.5' Const. conc. dwy. connection (For details, see sht. 2B-6)
- ⑰ Remove and install existing sign (Location as directed)
- ⑱ Sta. "F" 29+10.33, Rt. Const. gate, type CL-4 W=16.5'
- ⑲ Relocate existing electrical pedestal (by others)



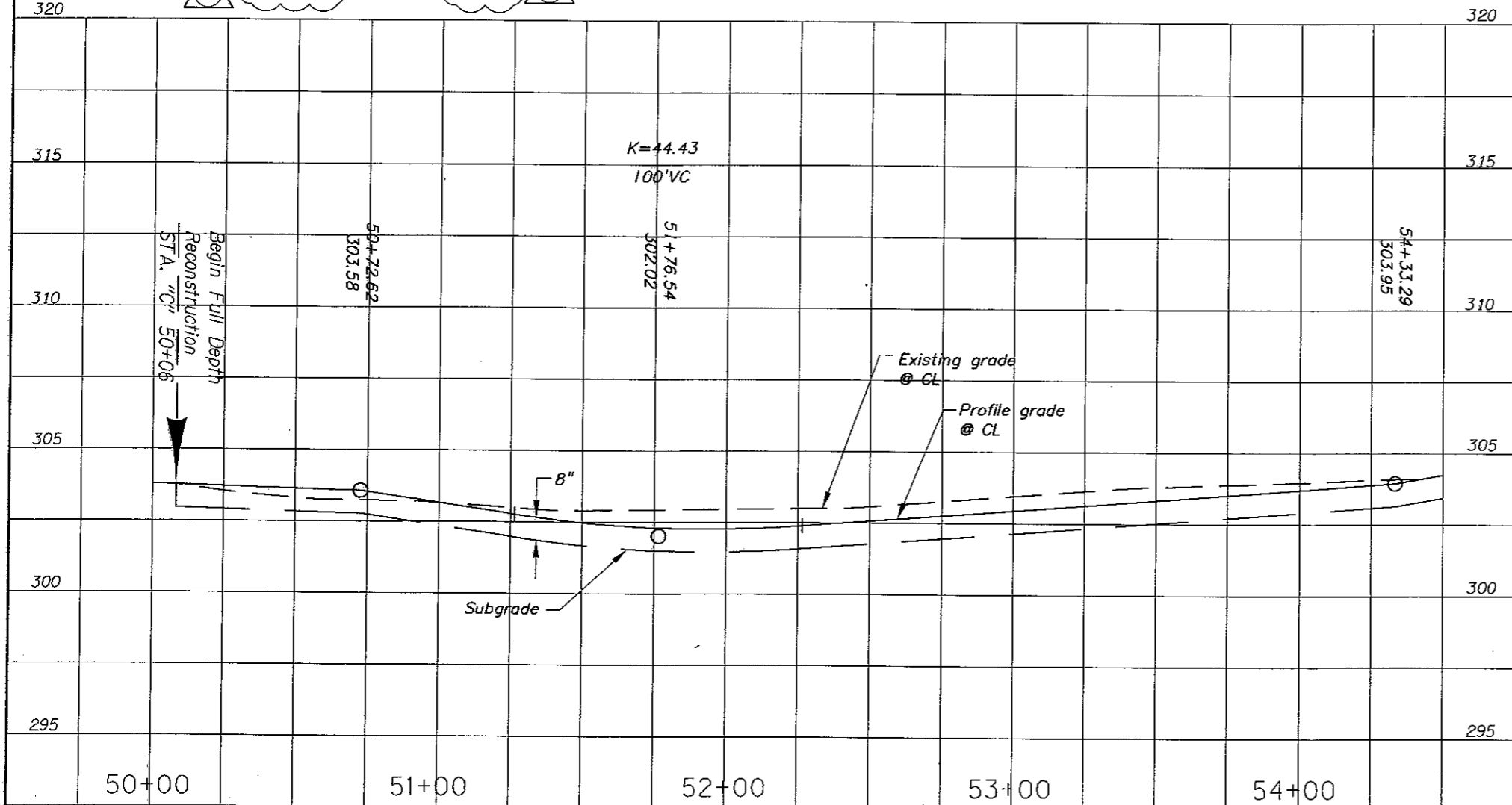
△ Addendum No. 1 - 06/11/09

<p><b>CITY OF IRRIGON</b></p>	<p><b>OREGON DEPARTMENT OF TRANSPORTATION</b></p>
	<p><b>Otak Inc.</b> 17355 SW Boones Ferry Rd. Lake Oswego, Oregon 97035 Phone: (503)635-3618 Fax: (503)635-5395</p>
<p>6/12/09</p> <p><b>REGISTERED PROFESSIONAL ENGINEER 70,849</b></p> <p><b>IAN KAWIKA FABIK</b></p> <p>OREGON JULY 9, 2007</p>	
<p><b>1ST ST AND MAIN AVE</b> <b>SIDEWALK AND BIKE LANES (IRRIGON)</b> <b>FIRST STREET AND MAIN AVENUE</b> <b>MORROW COUNTY</b></p>	
<p>Design Team Leader - Darrin Stairs, P.E. Designed By - Ian Fabik, P.E. Drafted By - Sadie Reiter, Lisa Bosca</p>	
<p><b>GENERAL CONSTRUCTION</b> <b>STA. 'F' 26+00 TO STA. 'F' 30+50</b></p>	
<p>RENEWAL DATE: 12-31-2009</p>	
<p>SHEET NO. <b>6</b></p>	

Sec 26, T. 5N, R. 26E



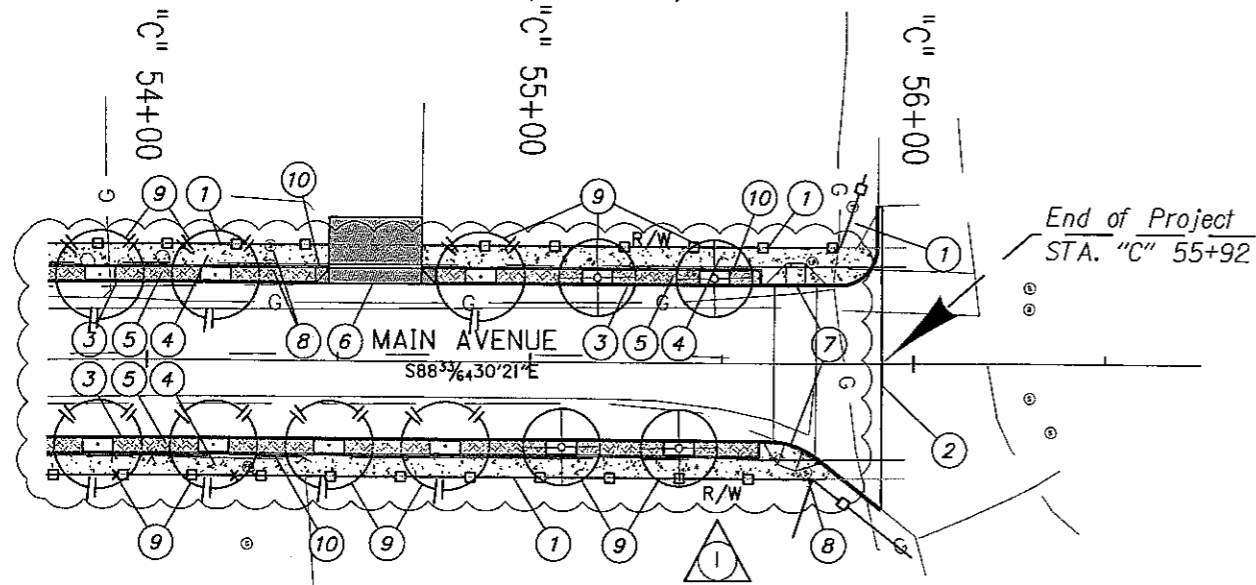
- 1 Const. unsupported silt fence (For details, see sht. GA)
- 2 Adjust electrical vault
- 3 Sta. "C" 51+55.72 to Sta. "C" 52+24.28, Lt. Const. Water Quality Swale "A1" (For details, see sht. GJ)
- 4 Sta. "C" 51+55.72 to Sta. "C" 52+24.28, Rt. Const. Water Quality Swale "A2" (For details, see sht. GJ)
- 5 Limits of full depth reconstruction
- 6 Const. standard curb.
- 7 Const. modified curb and gutter
- 8 Const. perpendicular sidewalk ramps-8 (For details, see sht. 2B-3)
- 9 Inst. conc. pavers (For details, see sht. GN)
- 10 Const. curb extensions Const. perpendicular sidewalk ramps - 8 (For details, see sht. 2B-2 & 2B-3) (See drg. nos. RD755 & RD756)
- 11 Const. conc. sidewalk.
- 12 Remove and reinstall existing sign (Location as directed)
- 13 See note 19, sht. 6
- 14 Install street tree (For details, see sht. GN)
- 15 Sta. "C" 51+00.58 to Sta. "C" 54+39.55, Rt. Remove and rebuild exist. fence, type CL-4
- 16 See note 17, sht. 6
- 17 See note 6, sht. 6
- 18 See note 7, sht. 6
- 19 See note 5, sht. 6
- 20 Const. conc. header (For details, see sht. GN-6)
- 21 See note 12, sht. 6.
- 22 See note 13, sht. 6.



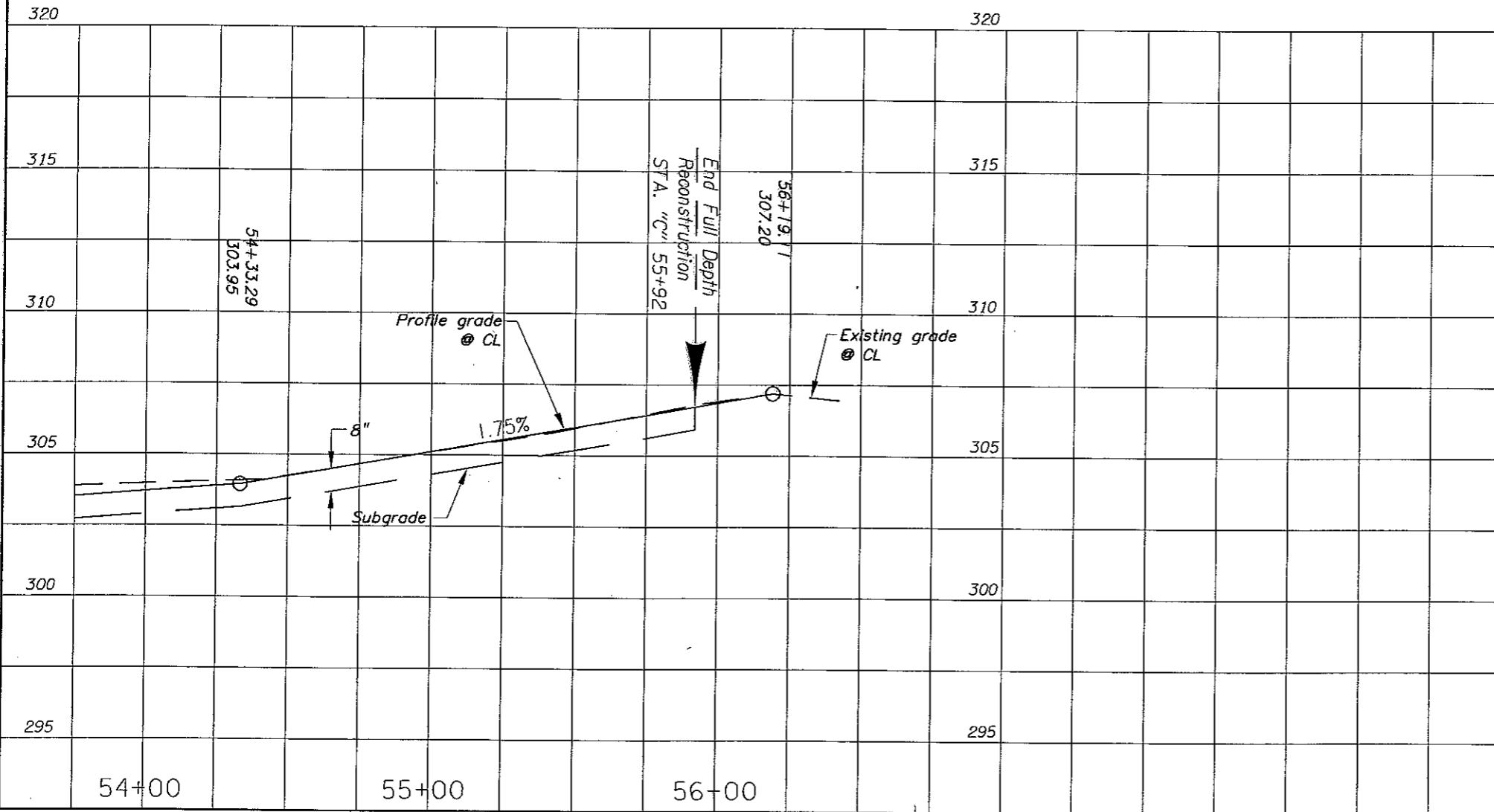
Addendum No. 1 - 06/11/09

<p><b>CITY OF IRRIGON</b></p>	<p><b>OREGON DEPARTMENT OF TRANSPORTATION</b></p>
	<p><b>Otak Inc.</b> 17355 SW Boones Ferry Rd. Lake Oswego, Oregon 97035 Phone: (503)635-3618 Fax: (503)635-5395</p>
<p><b>1ST ST AND MAIN AVE</b> <b>SIDEWALK AND BIKE LANES (IRRIGON)</b> <b>FIRST STREET AND MAIN AVENUE</b> <b>MORROW COUNTY</b></p>	
<p>Design Team Leader - Darrin Stairs, P.E. Designed By - Ian Fabik, P.E. Drafted By - Sodie Reiter, Lisa Bosco</p>	
<p><b>GENERAL CONSTRUCTION</b> <b>STA. "C" 50+00 TO STA. "C" 54+00</b></p>	
<p>RENEWAL DATE: 12-31-2009</p>	<p>SHEET NO. <b>7</b></p>

Sec 25, T. 5N, R. 26E



- ① Const. unsupported silt fence (For details, see sht. GA)
- ② Limits of full depth reconstruction
- ③ Const. standard curb
- ④ Const. conc. side walk.
- ⑤ Inst. conc. pavers (For details, see sht. GN)
- ⑥ Sta. "C" 54+59.52, Lt. Const. conc. dwy., option N W=24' Const. conc. dwy. connection (For details, see sht. 2B-6)
- ⑦ Const. perpendicular sidewalk ramps - 2 (For details, see sht. 2B-3).
- ⑧ Remove and reinstall existing sign (Location as directed)
- ⑨ Install street tree (For details, see sht. GN)
- ⑩ Const. conc. header (For details, see sht. GN-6)



① Addendum No. 1 - 06/11/09

<p><b>CITY OF IRRIGON</b></p>	<p><b>OREGON DEPARTMENT OF TRANSPORTATION</b></p>
	<p><b>Otak Inc.</b> 17355 SW Boones Ferry Rd. Lake Oswego, Oregon 97035 Phone: (503)635-3618 Fax: (503)635-5395</p>
	<p><b>1ST ST AND MAIN AVE SIDEWALK AND BIKE LANES (IRRIGON) FIRST STREET AND MAIN AVENUE MORROW COUNTY</b></p>
<p>RENEWAL DATE: 12-31-2009</p>	<p>Design Team Leader - Darrin Stairs, P.E. Designed By - Ian Fabik, P.E. Drafted By - Sadie Reiter, Lisa Bosca</p>
<p>GENERAL CONSTRUCTION STA. 'C' 54+00 TO STA. 'C' 56+50</p>	<p>SHEET NO. <b>8</b></p>

Station	L/R	Erosion Control BMP	Quantity	Plan sheet(s)
"F" 13+22.84 to "F" 17+00	L	Sediment fence	385 ft.	3
"F" 13+34.97 to "F" 13+72.92	R	Sediment fence	52 ft.	3
"F" 13+93.32 to "F" 14+68.91	R	Sediment fence	76 ft.	3
"F" 14+90.81 to "F" 15+40.90	R	Sediment fence	50 ft.	3
"F" 15+53.92 to "F" 16+34.71	R	Sediment fence	81 ft.	3
"F" 16+45.71 to "F" 17+00	R	Sediment fence	54 ft.	3
"F" 17+00 to "F" 18+30.03	L	Sediment fence	130 ft.	4
"F" 18+59.99 to "F" 19+52.27	L	Sediment fence	131 ft.	4
"F" 19+81.58 to "F" 20+57.12	L	Sediment fence	105 ft.	4
"F" 20+70.66 to "F" 21+50	L	Sediment fence	79 ft.	4
"F" 17+00 to "F" 17+41.93	R	Sediment fence	42 ft.	4
"F" 17+77.40 to "F" 18+66.47	R	Sediment fence	89 ft.	4
"F" 18+88.50 to "F" 19+52.17	R	Sediment fence	109 ft.	4
"F" 20+12.11 to "F" 20+40.61	R	Sediment fence	175 ft.	4
"F" 21+50 to "F" 21+72.09	L	Sediment fence	22 ft.	5
"F" 21+19.20 to "F" 22+95.37	L	Sediment fence	105 ft.	5
"F" 23+21.67 to "F" 24+12.50	L	Sediment fence	91 ft.	5
"F" 24+38.59 to "F" 25+74.59	L	Sediment Barrier type 2	136 ft.	5
"F" 21+92.16 to "F" 23+20.27	R	Sediment fence	128 ft.	5
"F" 23+44.27 to "F" 23+60.70	R	Sediment fence	17 ft.	5
"F" 23+84.88 to "F" 25+15.48	R	Sediment fence	131 ft.	5
"F" 23+39.46 to "F" 26+00	R	Sediment Barrier type 2	61 ft.	5

Station	L/R	Erosion Control BMP	Quantity	Plan sheet(s)
"F" 25+99.23 to "F" 26+07.23	L	Sediment Barrier type 2	8 ft.	6
"F" 26+07.23 to "F" 27+12.83	L	Sediment fence	106 ft.	6
"F" 26+72.55 to "F" 27+26.19	R	Sediment Barrier Type 2	54 ft.	6
"F" 28+20.95 to "F" 30+56.74	L	Sediment fence	231 ft.	6
"F" 28+33.68 to "F" 28+98.58	R	Sediment fence	65 ft.	6
"F" 29+22.08 to "F" 30+55	R	Sediment fence	128 ft.	6
"C" 50+00 to "C" 50+41.51	L	Sediment fence	42 ft.	7
"C" 50+00 to "C" 50+54.07	R	Sediment fence	56 ft.	7
"F" 31+07.22 to "F" 31+58.10	L	Sediment fence	51 ft.	7
"F" 31+04.61 to "F" 31+56.80	R	Sediment fence	54 ft.	7
"C" 51+01.57 to "C" 54+00	L	Sediment fence	299 ft.	7
"C" 50+93.73 to "C" 54+00	R	Sediment fence	306 ft.	7
"C" 54+00 to "C" 54+47.50	L	Sediment fence	48 ft.	8
"C" 54+71.55 to "C" 55+88.96	L	Sediment fence	128 ft.	8
"C" 54+00 to "C" 55+96.85	R	Sediment fence	205 ft.	8

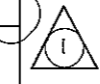
**GENERAL NOTES:**

The implementation of these erosion control plans and construction, maintenance, replacement and upgrading of these facilities are the responsibility of the contractor until all construction is completed and approved.




Develop a revised plan of the erosion control facilities shown in accordance with the requirement of sec. 00280, Supplemental Standard Specifications. This plan must be constructed in conjunction with all clearing and grading activities. Construct in such a manner as to insure that sediment and sediment-laden water does not enter the drainage system, roadway, or violate applicable water standards. Construct controls in segments applicable to each staging phase.

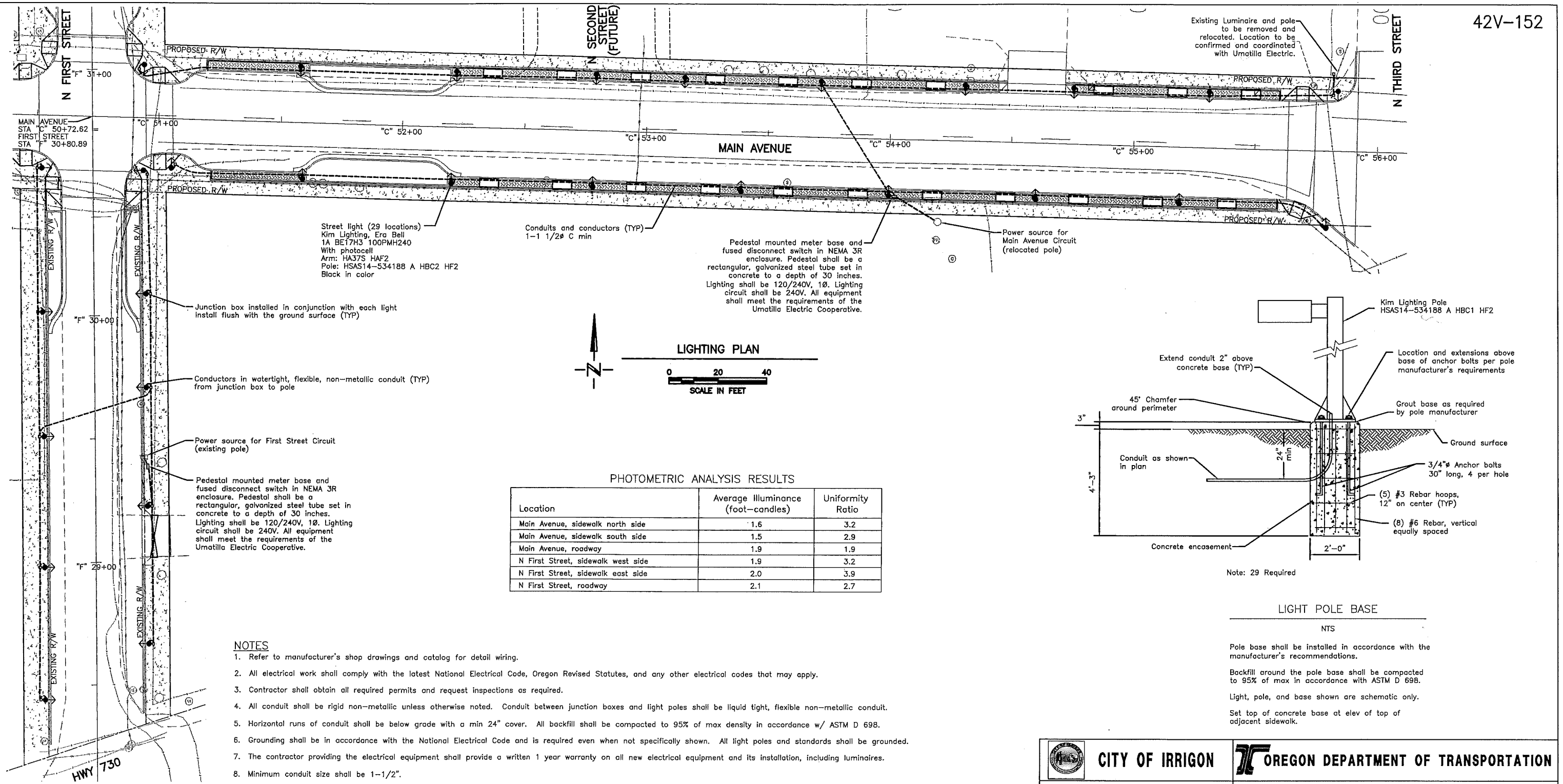
The erosion control facilities shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these facilities shall be upgraded for unexpected storm events and to insure that sediment and sediment-laden water do not leave the site.

Construct sediment fence 6 ft. at the toe of fill slopes in areas where sediment-laden water has a potential of entering waterways or leaving the right-of-way.



Addendum No. 1 - 06/11/09

 <b>CITY OF IRRIGON</b>  RENEWAL DATE: 12-31-2009	 <b>OREGON DEPARTMENT OF TRANSPORTATION</b> 17355 SW Boones Ferry Rd. Lake Oswego, Oregon 97035 Phone: (503)635-3616 Fax: (503)635-5395
	<b>Otak Inc.</b> 1ST ST AND MAIN AVE SIDEWALK AND BIKE LANES (IRRIGON) FIRST STREET AND MAIN AVENUE MORROW COUNTY Design Team Leader - Darrin Stairs, P.E. Designed By - Ian Fabik, P.E. Drafted By - Sadie Reiter, Lisa Bosca
<b>EROSION CONTROL PLAN</b>	
SHEET NO. <b>GA</b>	



Street light (29 locations)  
 Kim Lighting, Era Bell  
 1A BE17H3 100PMH240  
 With photocell  
 Arm: HA37S HAF2  
 Pole: HSAS14-534188 A HBC2 HF2  
 Black in color

Conduits and conductors (TYP)  
 1-1 1/2" C min

Pedestal mounted meter base and fused disconnect switch in NEMA 3R enclosure. Pedestal shall be a rectangular, galvanized steel tube set in concrete to a depth of 30 inches. Lighting shall be 120/240V, 1Ø. Lighting circuit shall be 240V. All equipment shall meet the requirements of the Umatilla Electric Cooperative.

Power source for Main Avenue Circuit (relocated pole)

Existing Luminaire and pole to be removed and relocated. Location to be confirmed and coordinated with Umatilla Electric.

Junction box installed in conjunction with each light  
 Install flush with the ground surface (TYP)

Conduits in watertight, flexible, non-metallic conduit (TYP) from junction box to pole

Power source for First Street Circuit (existing pole)

Pedestal mounted meter base and fused disconnect switch in NEMA 3R enclosure. Pedestal shall be a rectangular, galvanized steel tube set in concrete to a depth of 30 inches. Lighting shall be 120/240V, 1Ø. Lighting circuit shall be 240V. All equipment shall meet the requirements of the Umatilla Electric Cooperative.

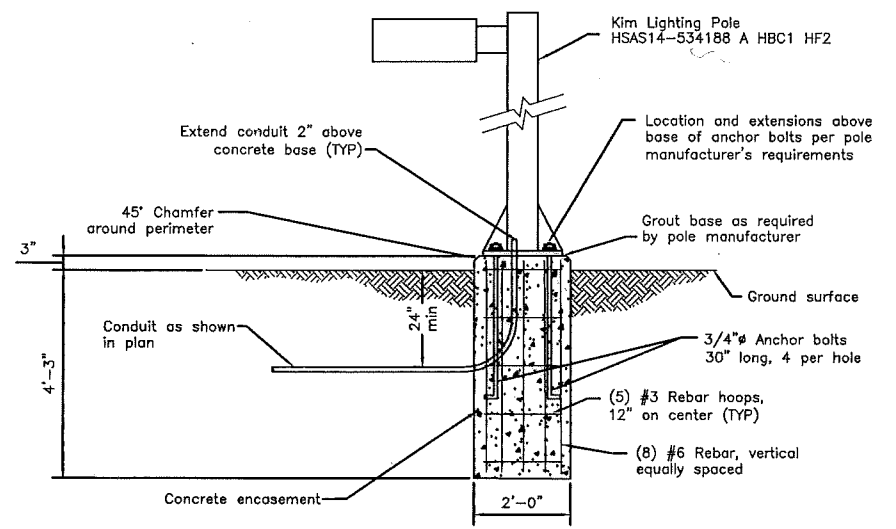


LIGHTING PLAN



PHOTOMETRIC ANALYSIS RESULTS

Location	Average Illuminance (foot-candles)	Uniformity Ratio
Main Avenue, sidewalk north side	1.6	3.2
Main Avenue, sidewalk south side	1.5	2.9
Main Avenue, roadway	1.9	1.9
N First Street, sidewalk west side	1.9	3.2
N First Street, sidewalk east side	2.0	3.9
N First Street, roadway	2.1	2.7



Note: 29 Required

LIGHT POLE BASE

NTS

Pole base shall be installed in accordance with the manufacturer's recommendations.

Backfill around the pole base shall be compacted to 95% of max in accordance with ASTM D 698.

Light, pole, and base shown are schematic only.

Set top of concrete base at elev of top of adjacent sidewalk.

NOTES

1. Refer to manufacturer's shop drawings and catalog for detail wiring.
2. All electrical work shall comply with the latest National Electrical Code, Oregon Revised Statutes, and any other electrical codes that may apply.
3. Contractor shall obtain all required permits and request inspections as required.
4. All conduit shall be rigid non-metallic unless otherwise noted. Conduit between junction boxes and light poles shall be liquid tight, flexible non-metallic conduit.
5. Horizontal runs of conduit shall be below grade with a min 24" cover. All backfill shall be compacted to 95% of max density in accordance w/ ASTM D 698.
6. Grounding shall be in accordance with the National Electrical Code and is required even when not specifically shown. All light poles and standards shall be grounded.
7. The contractor providing the electrical equipment shall provide a written 1 year warranty on all new electrical equipment and its installation, including luminaires.
8. Minimum conduit size shall be 1-1/2".
9. Junction boxes shall be manufactured of reinforced plastic materials and located adjacent to each street light. They shall be Model PG 1324 as manufactured by Quazite Company, or equal. Junction boxes shall be installed flush with the ground surface and located:
  - immediately south of the pole for poles installed on the north side of Main Avenue,
  - immediately north of the pole for poles installed on the south side of Main Avenue,
  - immediately west of the pole for poles installed on the west side of First Street, and
  - immediately east of the pole for poles installed on the east side of First Street.
10. All conductors shall be a minimum #6 aluminum unless the load requires a larger conductor. Conductors shall be provided w/ cross-linked poly U.S.E. insulation. The ground wire shall be a green coded copper wire w/ THHN insulation. Minimum ground size shall be #8 unless a larger size is required due to load conditions.
11. All wiring connections shall be watertight and shall be made in junction boxes or electrical panels. Splices are not allowed in the light pole.
12. Drip loops shall be provided on all conductors where they enter poles.
13. The contractor shall furnish the City with submittals, for approval, of all electrical equipment to be provided.
14. Street light pole centers shall be located 12" in front of sidewalk on Main Avenue and 24" behind back of curb on First Street.
15. Provide the City with catalog cut sheets and specifications for all electrical equipment, including lights, poles, and bases, for approval prior to ordering any materials.

<p><b>CITY OF IRRIGON</b></p>	<p><b>OREGON DEPARTMENT OF TRANSPORTATION</b></p>
<p><b>KITTELSON &amp; ASSOCIATES, INC.</b>                  TRANSPORTATION ENGINEERING/PLANNING</p>	
<p><b>1ST ST AND MAIN AVE                  SIDEWALK AND BIKE LANES (IRRIGON)                  FIRST STREET AND MAIN AVENUE                  MORROW COUNTY</b></p>	
<p>Design Team Leader - Charles Radosta, P.E.                  Designed By - Lani Tribbett, P.E.                  Drafted By - Lani Tribbett, P.E.</p>	
<p><b>LIGHTING PLAN</b></p>	<p>SHEET NO.  <b>L-1</b></p>

Jun 10, 2009 4:35pm Layout Tab: Illumination Plan  
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