

5/25/2011 10:27 AM

Z:\CW_PROJECTS\1201 COOS BAY\1201-049 EMPIRE BLVD FINAL DESIGN SERVICES\DRAWINGS\DWG\EMPIRE BLVD - SHEET 1.DWG

STATE OF OREGON
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED PROJECT
PAVING

EMPIRE BLVD IMPROVEMENTS
MP 3.70 - 4.49
(CAPE ARAGO HWY)
CITY OF COOS BAY, COOS COUNTY
AUGUST 2011

OREGON TRANSPORTATION COMMISSION

Gail Achterman CHAIR
Michael Nelson VICE-CHAIR
David Lohman COMMISSIONER
Mary Olson COMMISSIONER
Matthew L. Garrett DIRECTOR OF TRANSPORTATION

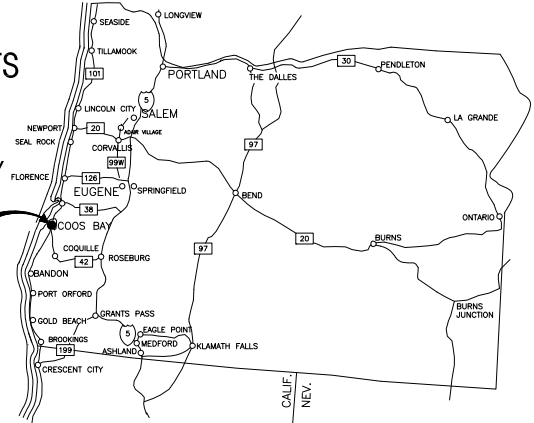
These plans were developed using AASHTO design standards.
Exceptions to these standards, if any, have been submitted and
approved by the ODOT Chief Engineer or their delegated authority.

Approving Authority:

Signature & date

Print name and title

Concurrence by ODOT Chief Engineer



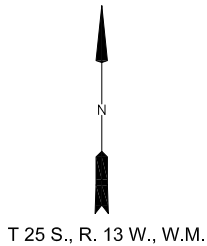
Overall Length of Project - 0.80 Miles

INDEX OF SHEETS

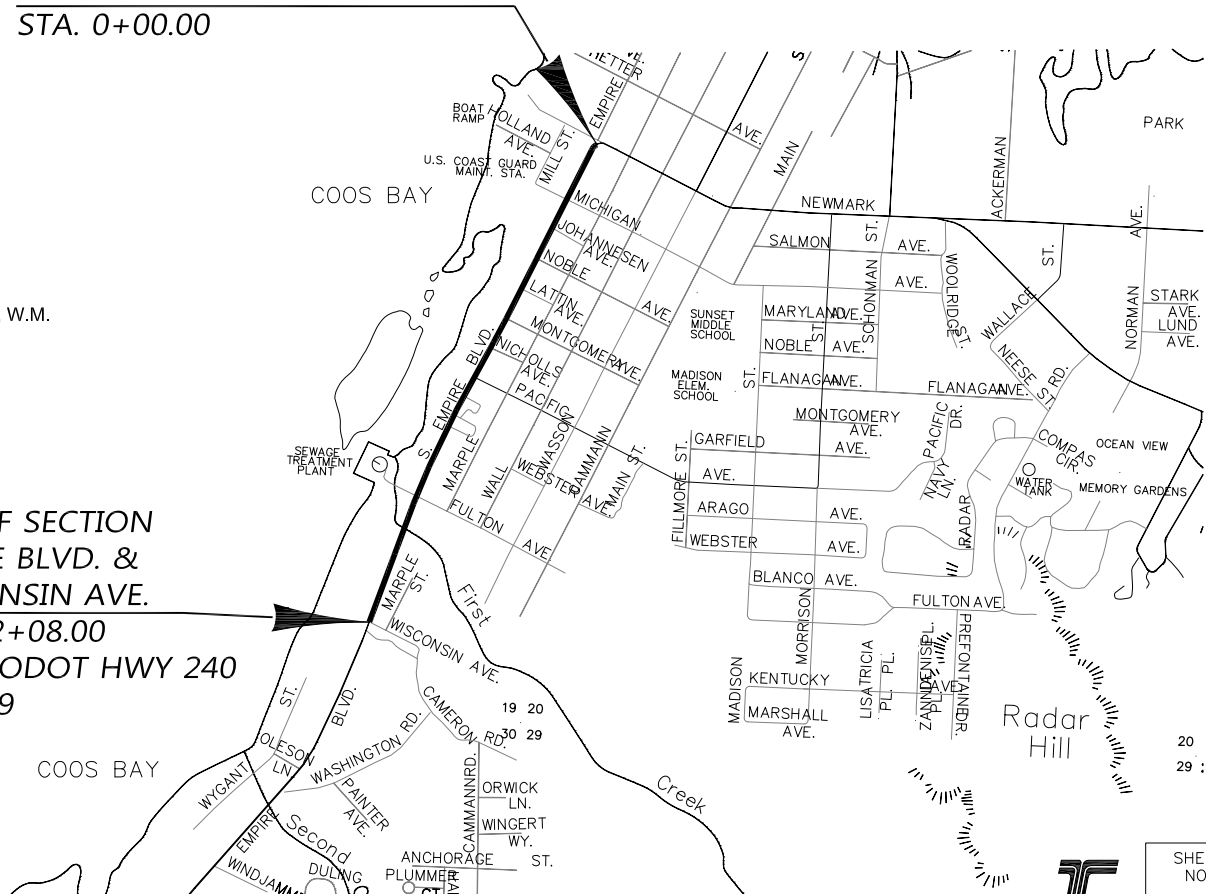
SHEET NO.	DESCRIPTION
1	Title Sheet
1A	Index of Sheets Cont'd.

ATTENTION:
Oregon Law Requires You To Follow Rules
Adopted By The Oregon Utility Notification
Center. These Rules Are Set Forth In
OAR 982-001-0010 Through OAR 982-001-0090.
You May Obtain Copies Of The Rules By Contacting
The Center. (Note: The Telephone Number For
The Oregon Utility Center Is (800) 332-2344.)

BEGINNING OF SECTION
EMPIRE BLVD. & NEWMARK AVE.
STA. 0+00.00

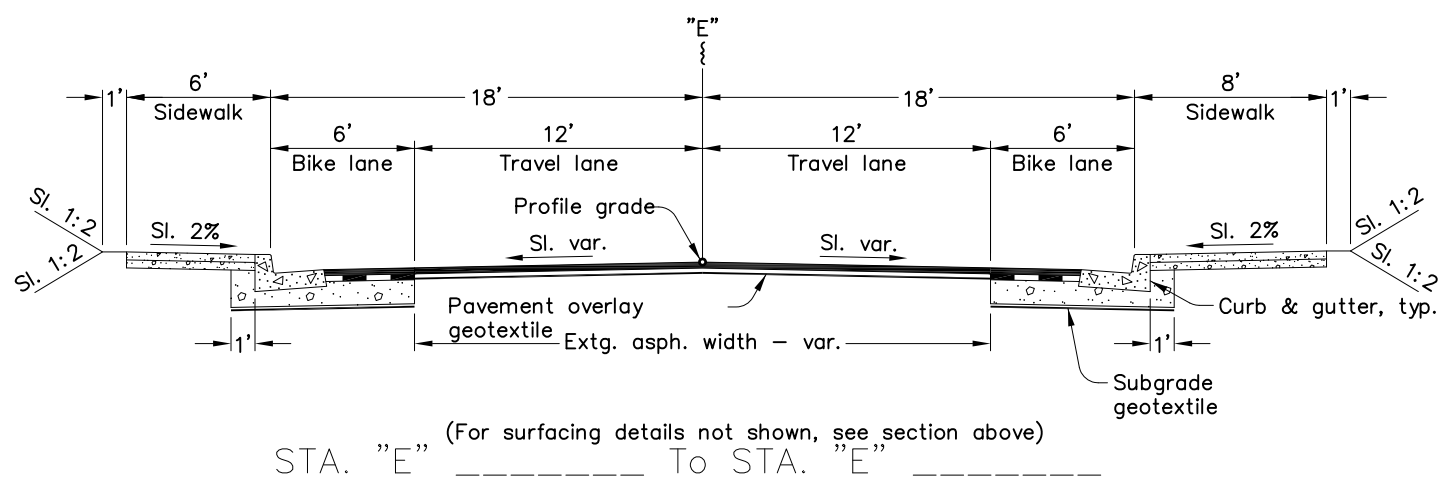
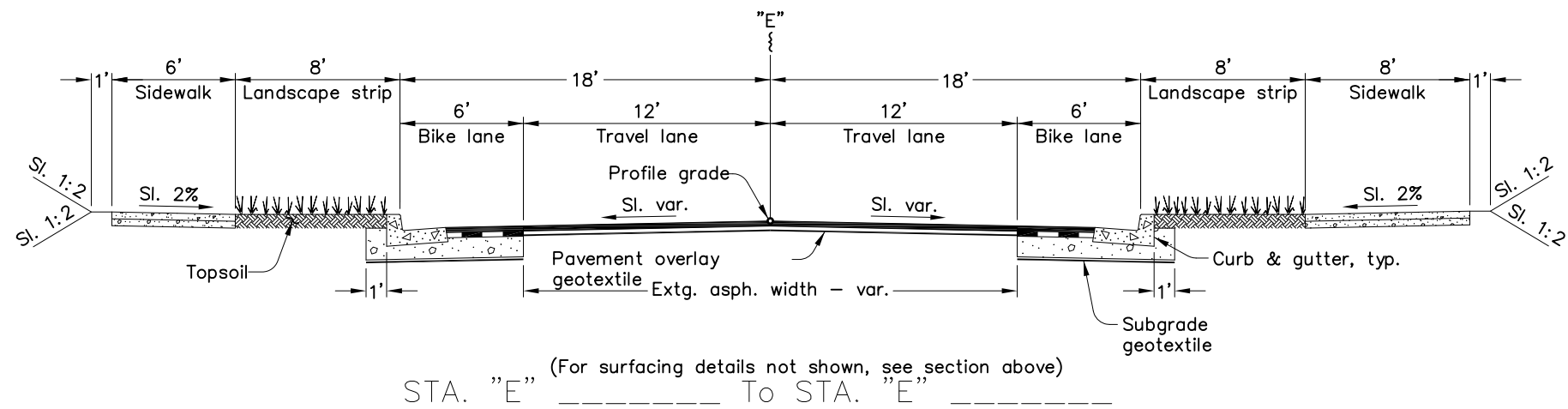
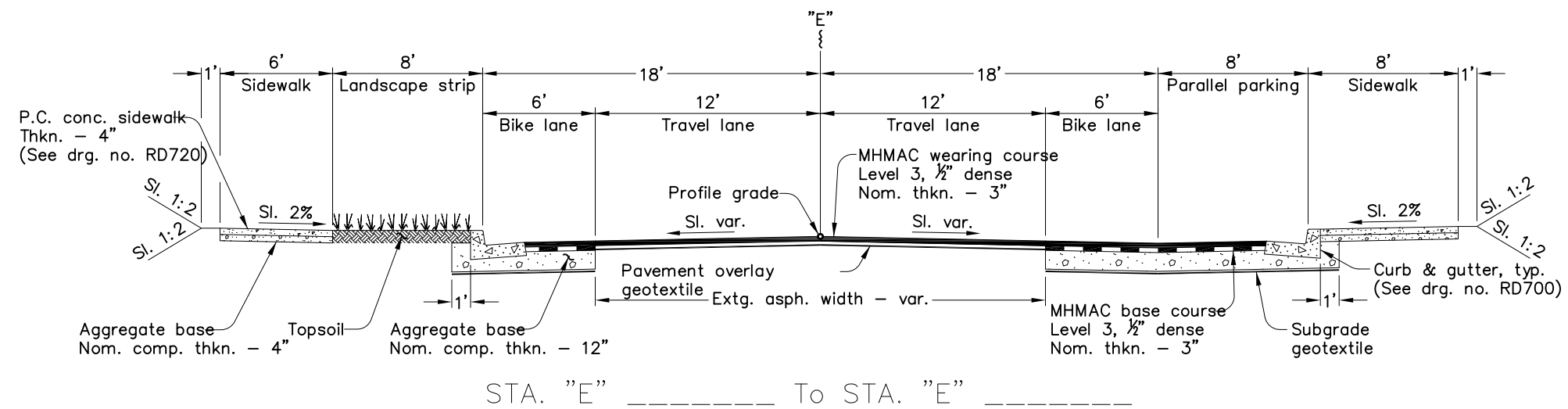


END OF SECTION
EMPIRE BLVD. &
WISCONSIN AVE.
STA. 42+08.00
BEGIN ODOT HWY 240
MP 4.49



SHEET
NO.

1



PRELIMINARY

 OREGON DEPARTMENT OF TRANSPORTATION	
 OBEC CONSULTING ENGINEERS www.obec.com	Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-8089 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035-4288 2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295 831 O'HARE PARKWAY MEDFORD, OREGON 97504-4005
 Civil West Engineering Services, Inc.	486 E STREET COOS BAY, OR 97420 Phone: 541.266.8601 Fax: 541.266.8681
EMPIRE BLVD: NEWMARK AVE. TO WISCONSIN AVE. EMPIRE BOULEVARD CITY OF COOS BAY	
REVIEWED BY - JRB DESIGNED BY - MDW DRAFTED BY - CDA	
TYPICAL SECTIONS	SHEET NO. 2

EMPIRE BLVD IMPROVEMENTS: MP 3.70 - 4.49
(CAPE ARAGO HWY)
CITY OF COOS BAY, COOS COUNTY
JUNE 2011

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INDEX OF SHEETS, CONT'D.	
SHEET NO.	DESCRIPTION
1B	Plan Sheet Layout
2	Typical Sections
2A Thru 2A-1	Details (Future)
2B Thru 2B-4	Traffic Control Plans (Future)
3 Thru 9	Paving Plan & Profile
3A Thru 9A	Drainage Plan and Profile
3B	Alignment Plan

Std. Drg. Nos.

RD 100	Mailbox Support
RD 101	Mailbox Installation
RD 150	Slope Rounding
RD 258	Valve Box & Operator Extension Assembly
RD 300	Trench Backfill, Bedding, Pipe Zone and Multiple Installations
RD 302	Street Cut
RD 336	Standard Storm Sewer Manhole
RD 338	Standard Sanitary Sewer Manhole
RD 356	Manhole Covers and Frames
RD 360	Manhole Frame Adjustment
RD 364	Concrete Inlets Type G-1, G-2, G-2M, G2MA
RD 366	Concrete Inlets Type CG-1, CG-2, and Curb Inlet Channel
RD 378	Type "3" Catch Basin, Frame & Grate
RD 380	Aluminum & Steel Corrugated Pipe Fill Height Tables
RD 610	Asphalt Pavement Details
RD 700	Curbs
RD 740	Separated S/W Drwys or Alleys (Options H, I and J) Local Jurisdictions
RD 745	Curb Line S/W Drwys. or Alleys (Options K and L) Local Jurisdictions
RD 750	Curb Line S/W Drwys. or Alleys (Options M and N) Local Jurisdictions
RD 755	Sidewalk Ramp Details
RD 756	Sidewalk Ramp Placement Options Curb Radii ≤15'
RD 757	Sidewalk Ramp Placement Options Curb Radii > 15'
RD 759	Truncated Dome Detectable Warning Surface Details & Locations
RD 770	Pedestrian Handrail
RD 771	Pedestrian Handral Details
RD 1000	Construction Entrances
RD 1040	Sediment Fence, Supported Sediment Fence, Unsupported
TM 200	Sign Installation Details
TM 467	Pedestrian Sign and Pedestrian Push Button Details
TM 500 - 503	Pavement marking Standard Detail Blocks
TM 524	Durable Pavement Markings Method "E" Non-Profile Wet Weather
TM 530	Intersection Pavement Markings (Crosswalk, Stop Bar, & Bike Lane Stencil
TM 670	Wood post Sign Supports
TM 676	Sign Attachments
TM 681	Peforated Steel Square Tube (PSST) Sign Support Installation
TM 800	Tables, Abrupt Edge, and PCMS Details
TM 810	Temporary Reflective Pavement Markers
TM 820	Temporary Barricades
TM 841	Intersection Work Zone Details
TM 850	2-lane, 2-way Roadways

PRELIMINARY



OREGON DEPARTMENT OF TRANSPORTATION



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631 O'HARE PARKWAY MEDFORD, OREGON 97504-4005



Civil West
Engineering Services, Inc.

486 E STREET
COOS BAY, OR 97420
Phone: 541.266.8601
Fax: 541.266.8681

EMPIRE BLVD: NEWMARK AVE. TO WISONSIN AVE.
EMPIRE BOULEVARD
CITY OF COOS BAY

REVIEWED BY — JRB
DESIGNED BY — MDW
DRAFTED BY — CDA

INDEX & STD DWGS

SHEET NO.
1A

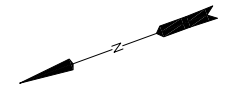
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TAB:1A

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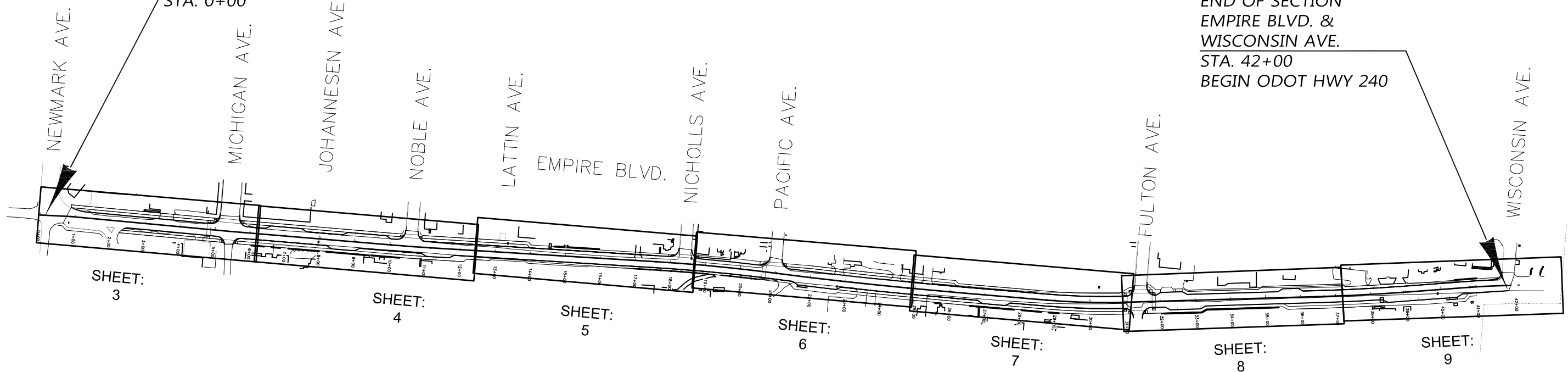
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BEGINNING OF SECTION
EMPIRE BLVD. & NEWMARK AVE.
STA. 0+00

END OF SECTION
EMPIRE BLVD. &
WISCONSIN AVE.
STA. 42+00
BEGIN ODOT HWY 240



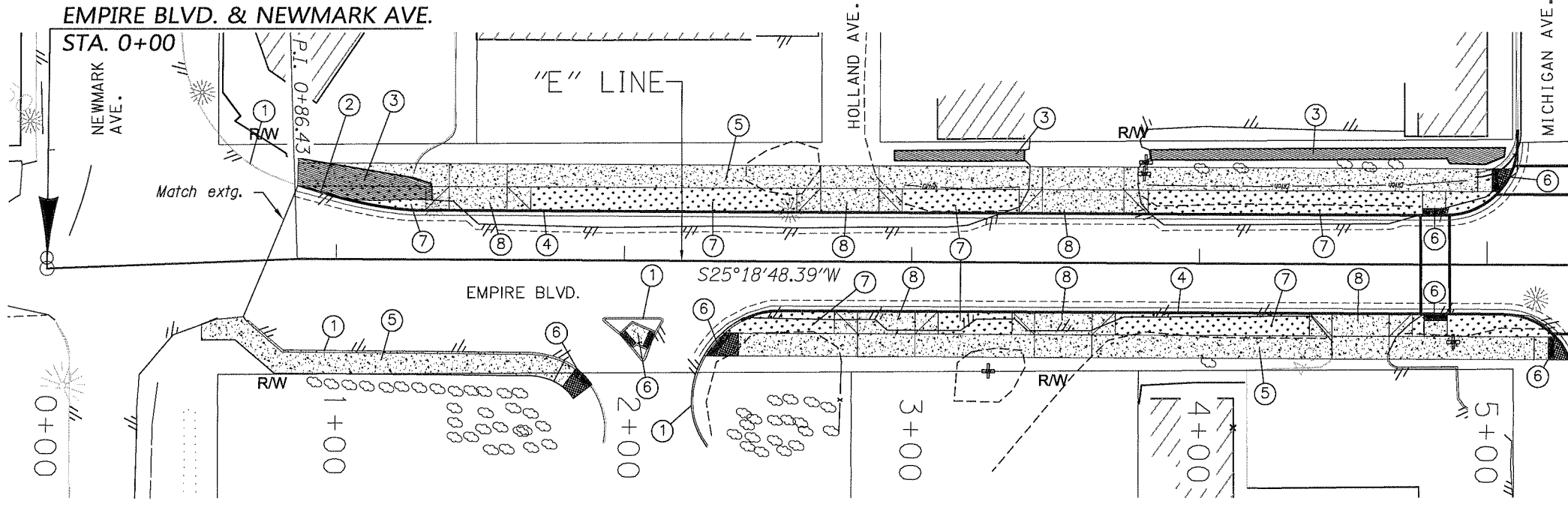
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EMPIRE BLVD., NEWMARK AVE. TO WISCONSIN AVE. EMPIRE BOULEVARD CITY OF COOS BAY	
REVIEWED BY - JRB DESIGNED BY - MDW DRAFTED BY - CDA	
LAYOUT SHEET	SHEET NO. 1B

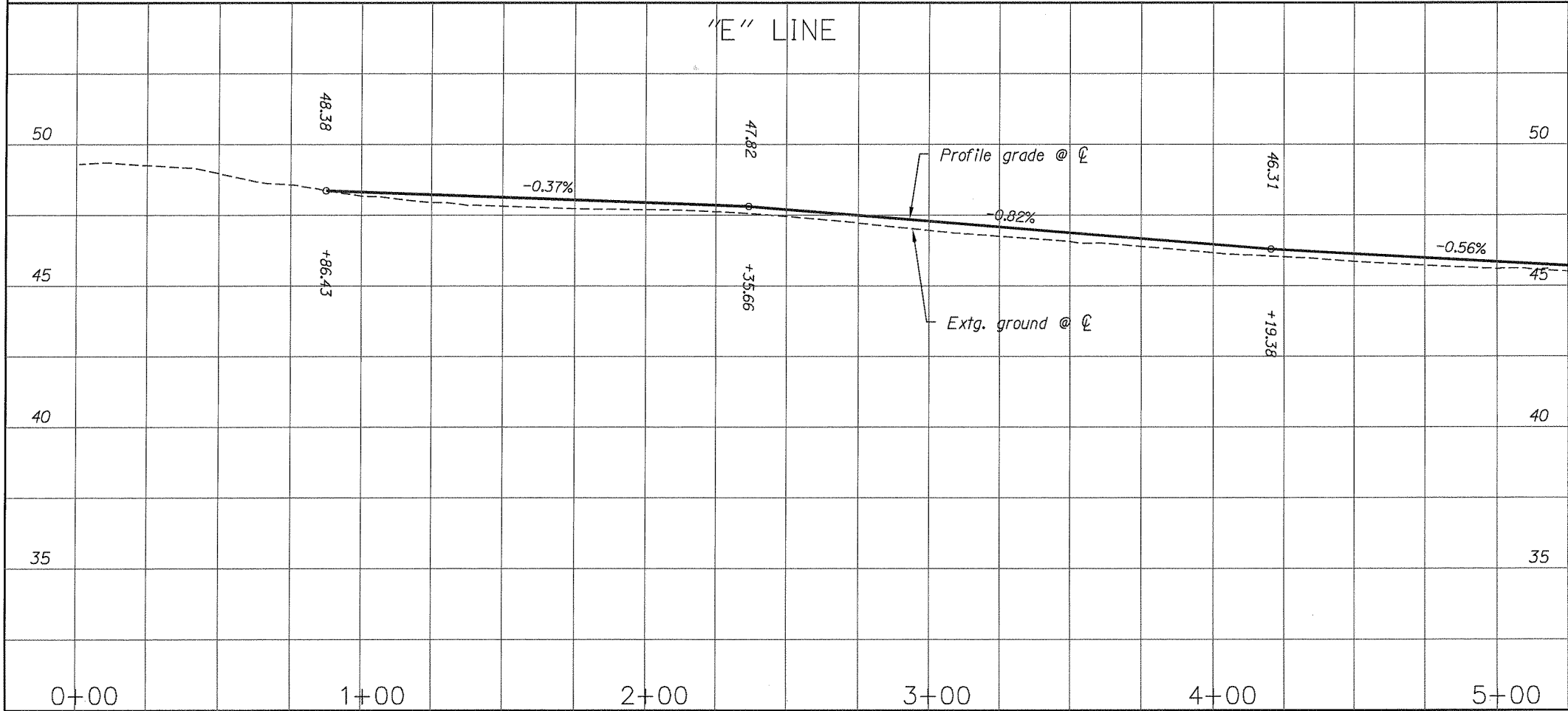
Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???

BEGINNING OF SECTION
EMPIRE BLVD. & NEWMARK AVE.
STA. 0+00



- ① Protect extg. curb & gutter
- ② Remove extg. curb & gutter
- ③ Remove extg. conc. sidewalk
- ④ Const. curb & gutter
(See drg. no. RD700)
- ⑤ Const. P.C. conc. sidewalk
(See drg. no. RD720)
- ⑥ Const. sidewalk ramp with truncated domes
(See drg. nos. RD755 & RD759)
- ⑦ Const. 8' buffer strip
(See drg. no. RD720)
- ⑧ Const. P.C. conc. dwy., option (H)
(See drg. no. RD740)



Remove extg. conc. shown thus:

PRELIMINARY

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REVIEWED BY - JRB DESIGNED BY - MDW DRAFTED BY - CDA	
PLAN AND PROFILE	SHEET NO. 3

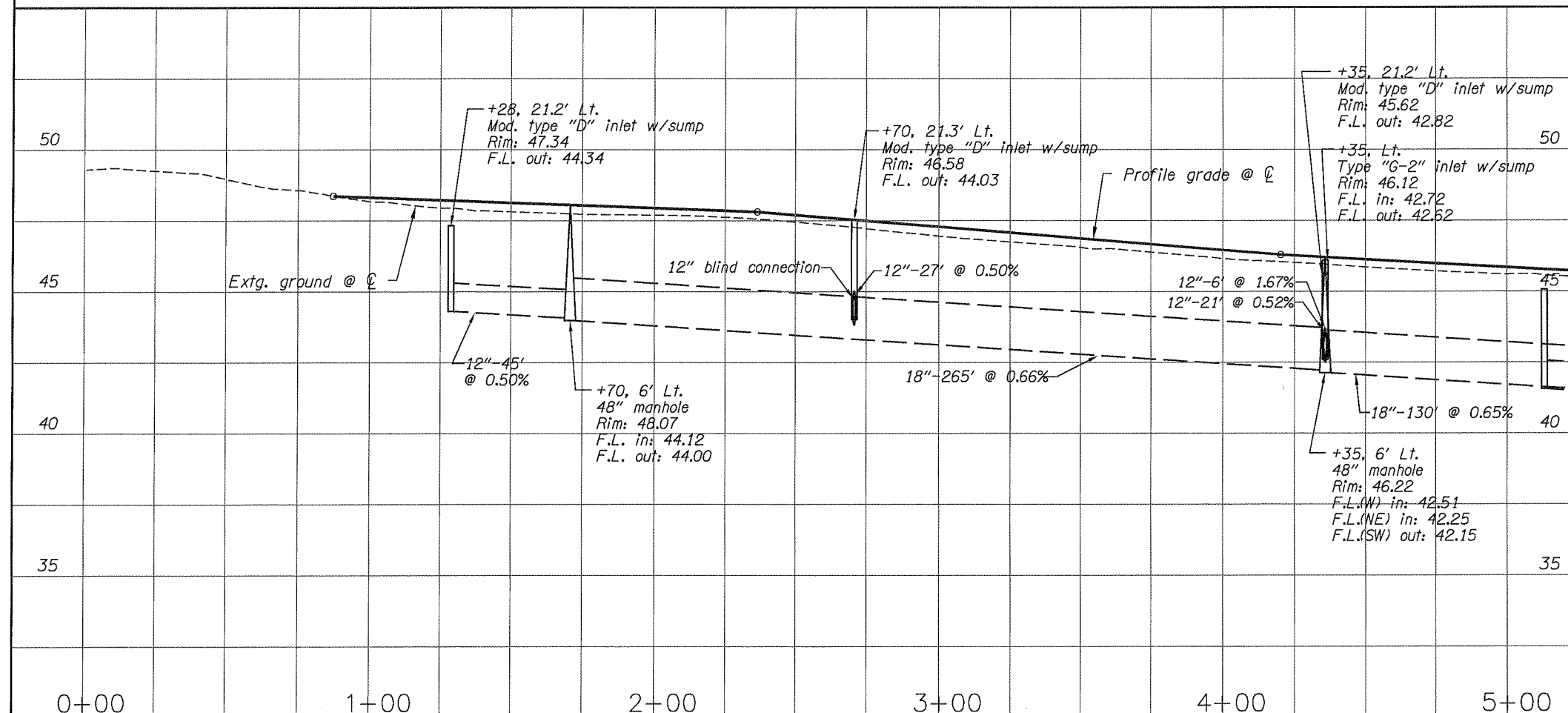
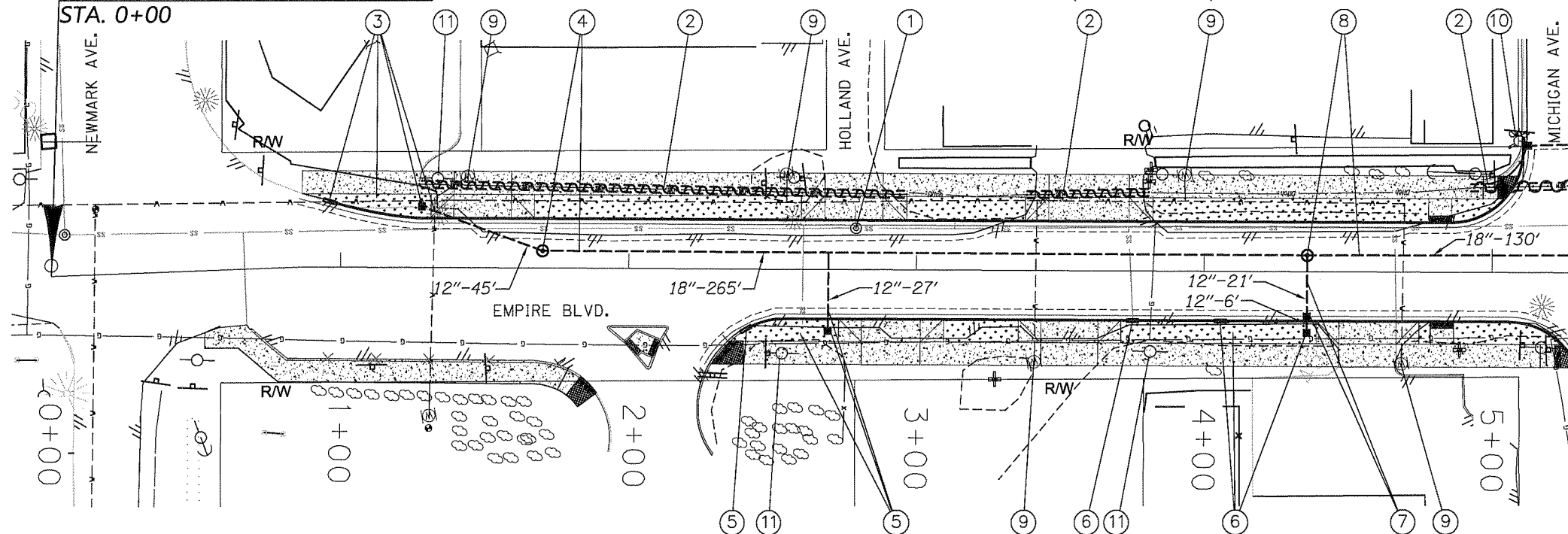
**BEGINNING OF SECTION
EMPIRE BLVD. & NEWMARK AVE.**

STA. 0+00

Sec. 20, T. 25 S., R. 13 W., W.M.

(CITY OF COOS BAY)

??V-???



- ① Minor adjust manhole
- ② Remove pipe - 303'
- ③ Sta. 1+28, 21.2' Lt.
Const. mod. type "D" inlet w/sump
Const. curb cut
Const. water quality swale
Inst. 12" storm sew. pipe - 45'
5' depth
(For details, see sht. xx-xx)
(See drg. nos. RD370, RD380, RD386 & RD390)
- ④ Sta. 1+70, 6' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 265'
5' depth
(See drg. no. RD336)
- ⑤ Sta. 2+70, 21.3' Rt.
Const. mod. type "D" inlet w/sump
Const. curb cut
Const. water quality swale
Inst. 12" storm sew. pipe - 27'
5' depth
Const. blind connection
(For details, see sht. xx-xx)
- ⑥ Sta. 4+35, 21.2' Rt.
Const. mod. type "D" inlet w/sump
Const. curb cut
Const. water quality swale
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑦ Sta. 4+35, Rt.
Const. type "G-2" inlet w/sump
Inst. 12" storm sew. pipe - 21'
5' depth
(For details, see sht. xx-xx)
(See drg. no. RD364)
- ⑧ Sta. 4+35, 6' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 130'
5' depth
- ⑨ Adjust water meter - 5
- ⑩ Reset existing hydrant
- ⑪ Relocate utility poles
(By others)

OREGON DEPARTMENT OF TRANSPORTATION

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**EMPIRE BLVD., NEWMARK AVE. TO WISCONSIN AVE.
EMPIRE BOULEVARD**
CITY OF COOS BAY, OREGON

REVIEWED BY - JRB
DESIGNED BY - MDW
DRAFTED BY - CDA

DRAINAGE AND UTILITIES

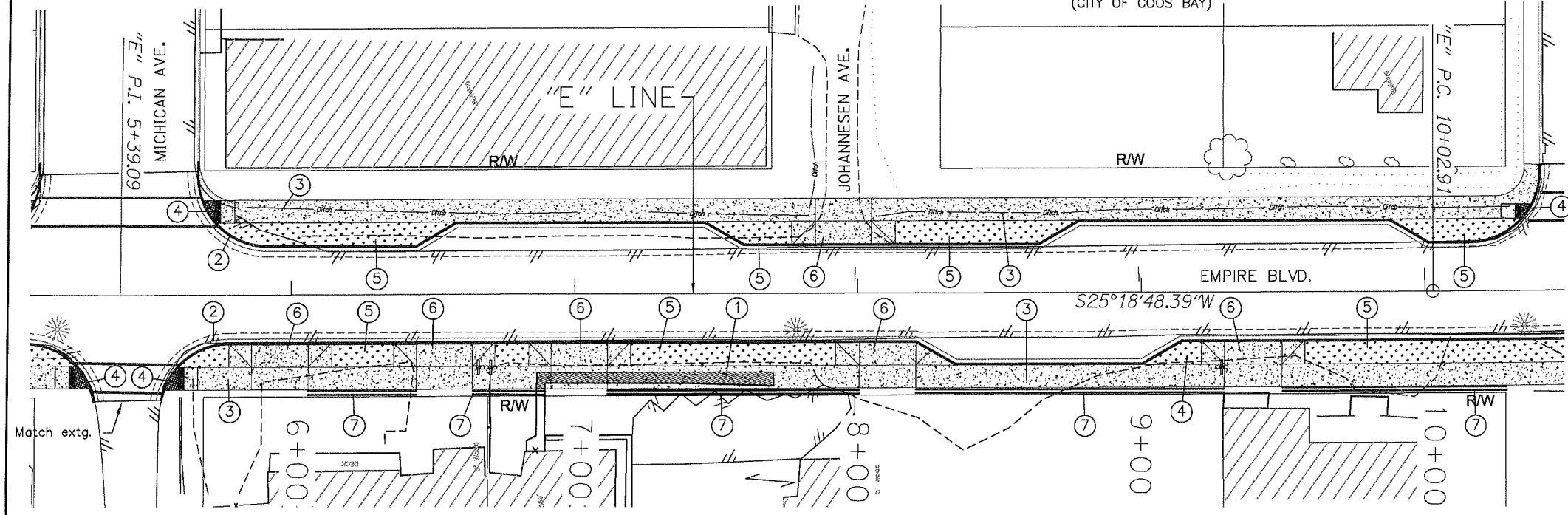
SHEET
NO.

3A

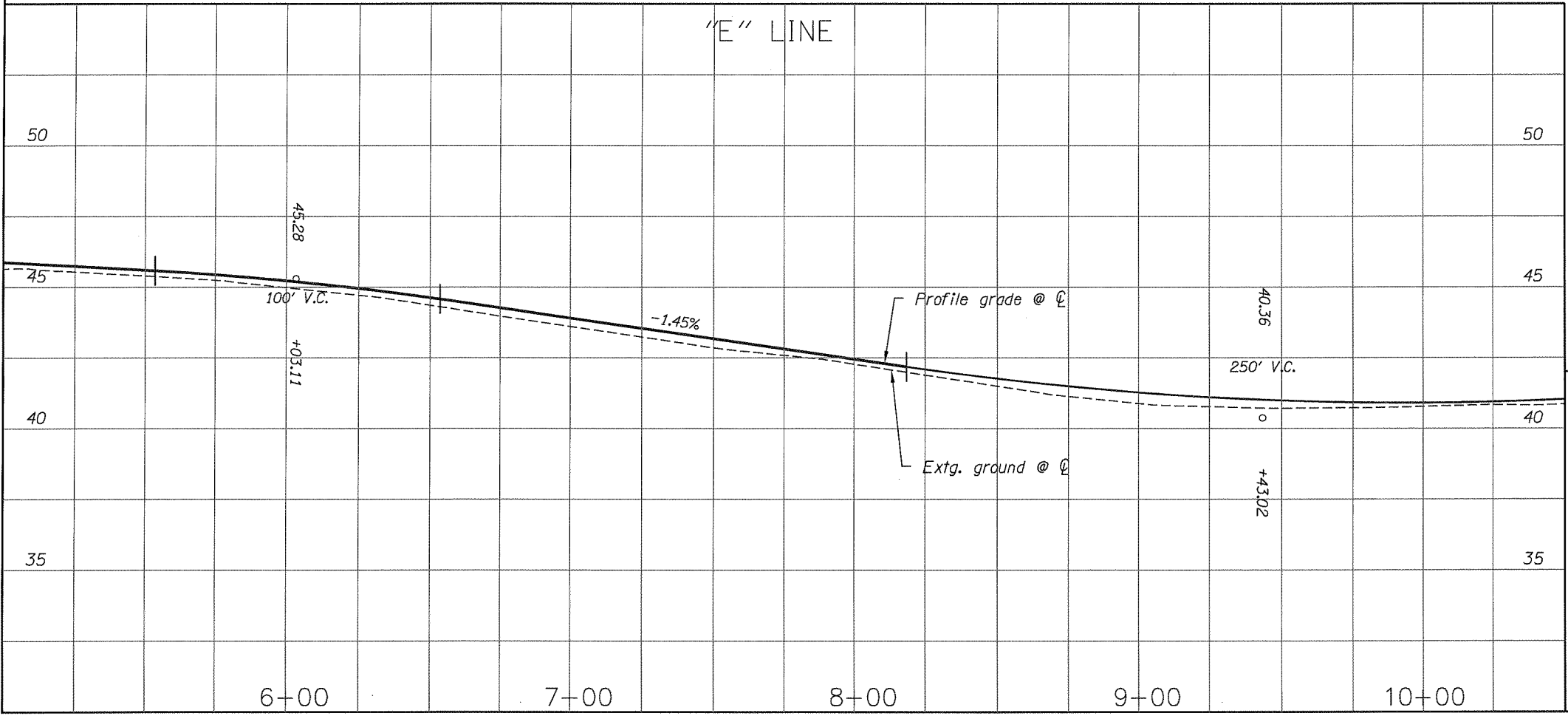
PRELIMINARY

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Remove extg. conc. sidewalk
- ② Const. curb & gutter
(See drg. no. RD700)
- ③ Const. P.C. conc. sidewalk
(See drg. no. RD720)
- ④ Const. sidewalk ramp with truncated
domes (See drg. nos. RD755 & RD759)
- ⑤ Const. 8' buffer strip
(See drg. no. RD720)
- ⑥ Const. P.C. conc. dwy., option (H)
(See drg. no. RD740)
- ⑦ Const. retaining wall - 340'



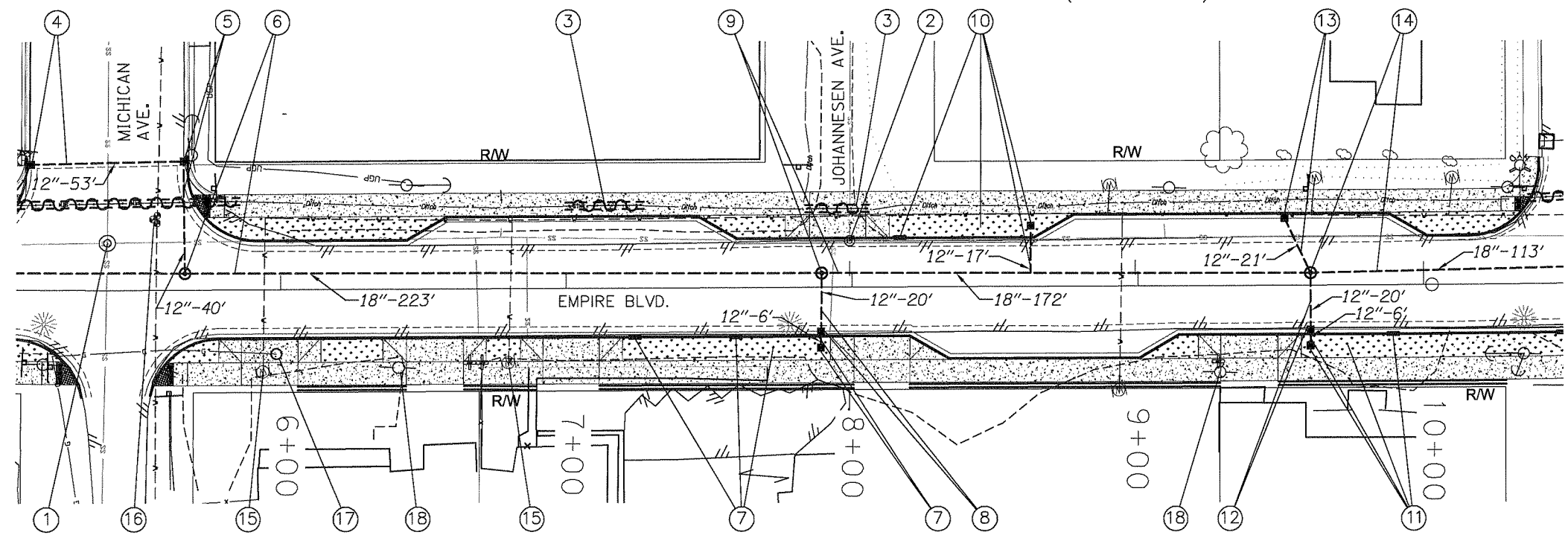
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PRELIMINARY

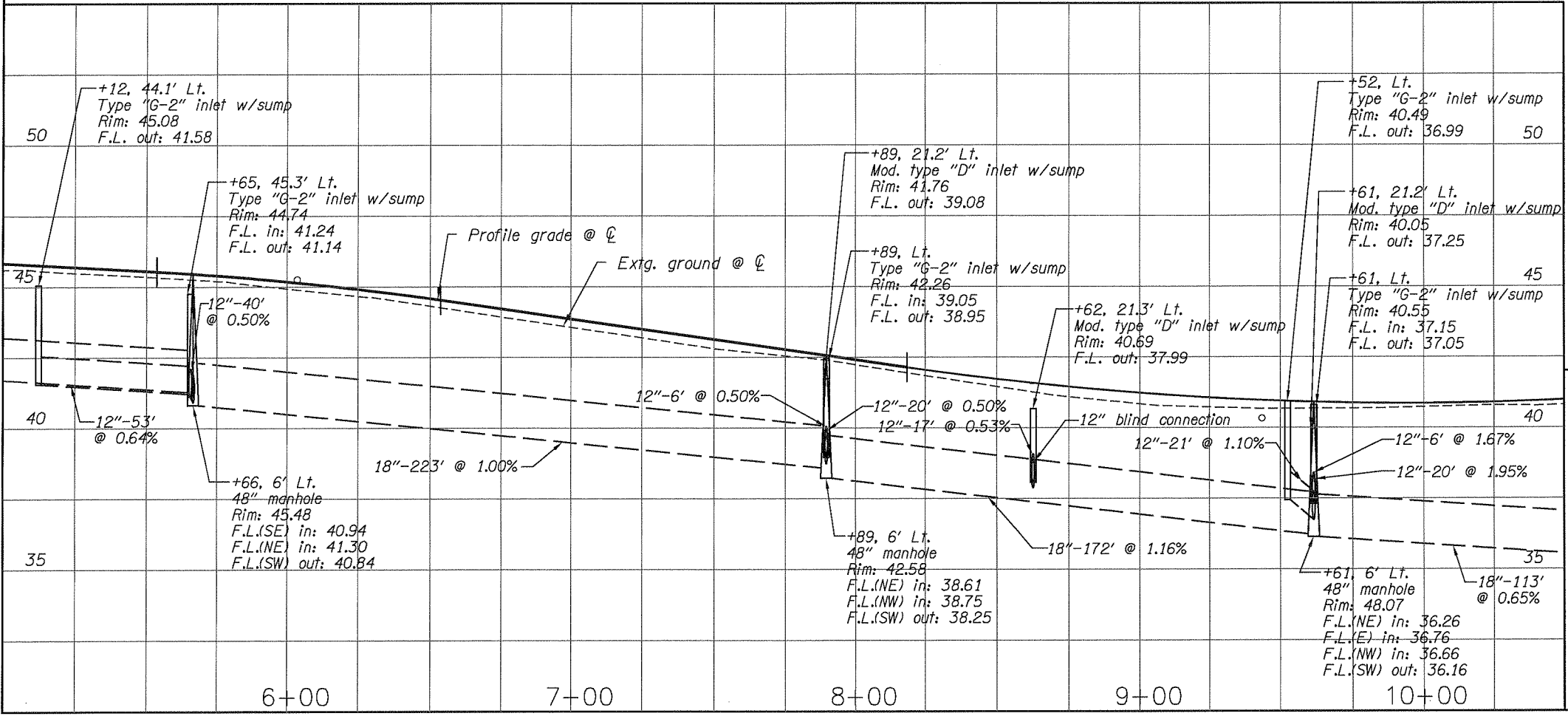
 OREGON DEPARTMENT OF TRANSPORTATION	
Corporate Office: 820 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-8088 5006 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035-4288 2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295 831 OHARE PARKWAY MEDFORD, OREGON 97504-4005	
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EMPIRE BLVD., NEWMARK AVE. TO WISCONSIN AVE. EMPIRE BOULEVARD CITY OF COOS BAY, OREGON	
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PLAN AND PROFILE	SHEET NO. 4

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Minor adjust manhole
- ② Major adjust manhole
- ③ Remove pipe - 47'
- ④ Sta. 5+12, 44.1' Lt.
Const. type "G-2" inlet w/sump
Inst. 12" storm sew. pipe - 53'
5' depth
(For details, see sht. xx-xx)
- ⑤ Sta. 5+65, 45.3' Lt.
Const. type "G-2" inlet w/sump
Inst. 12" storm sew. pipe - 40'
5' depth
(For details, see sht. xx-xx)
- ⑥ Sta. 5+66, 6' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 223'
5' depth
- ⑦ Sta. 7+89, 21.2' Rt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 2
Const. water quality swale
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑧ Sta. 7+89, Rt.
Const. type "G-2" inlet w/sump
Inst. 12" storm sew. pipe - 20'
5' depth
(For details, see sht. xx-xx)
- ⑨ Sta. 7+89, 6' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 172'
5' depth
- ⑩ Sta. 8+62, 21.3' Lt.
Const. mod. type "D" inlet w/sump
Const. curb cut
Const. water quality swale
Inst. 12" storm sew. pipe - 17'
5' depth
Const. blind connection
(For details, see sht. xx-xx)
- ⑪ Sta. 9+61, 21.2' Rt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 2
Const. water quality swale
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑫ Sta. 9+61, Rt.
Const. type "G-2" inlet w/sump
Inst. 12" storm sew. pipe - 20'
5' depth
(For details, see sht. xx-xx)
- ⑬ Sta. 9+52, Lt.
Const. type "G-2" inlet w/sump
Inst. 12" storm sew. pipe - 21'
5' depth
(For details, see sht. xx-xx)
- ⑭ Sta. 9+61, 6' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 113'
5' depth
- ⑮ Adjust water meter - 2
- ⑯ Adjust valve box - 3
- ⑰ Adjust gas valve
(By others)
- ⑱ Relocate utility poles
(By others)

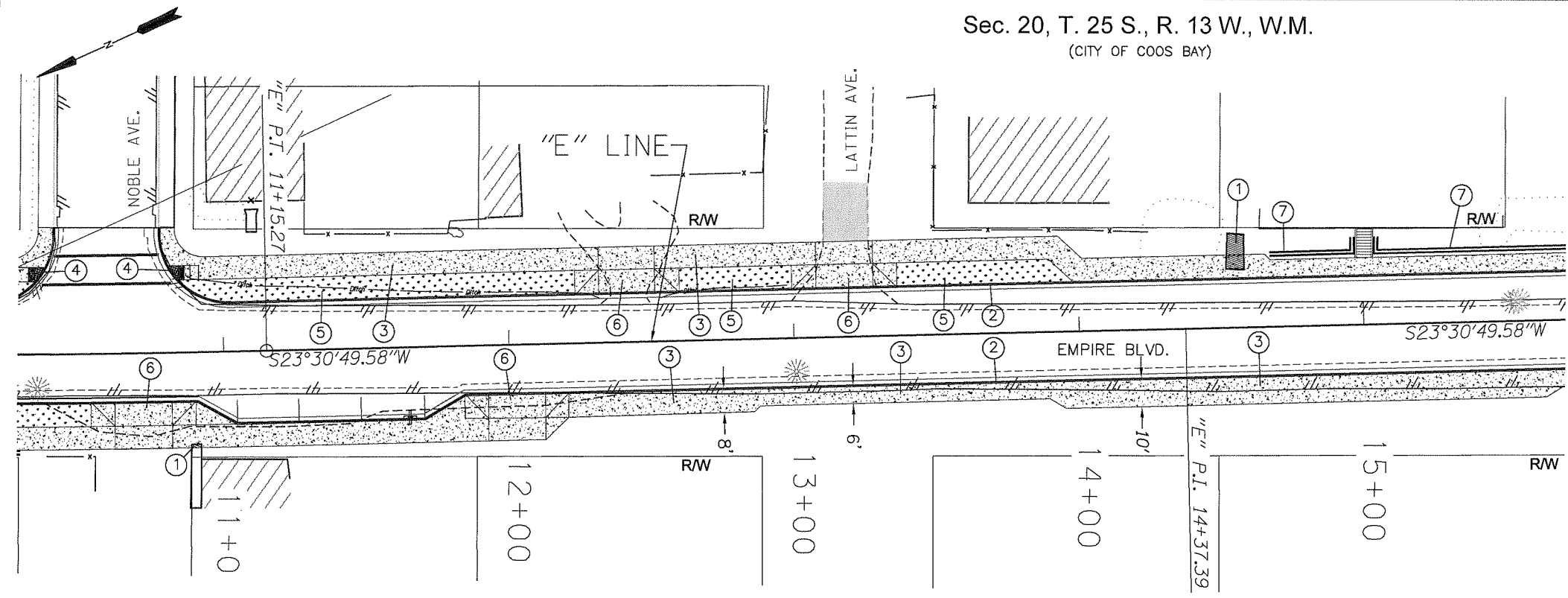


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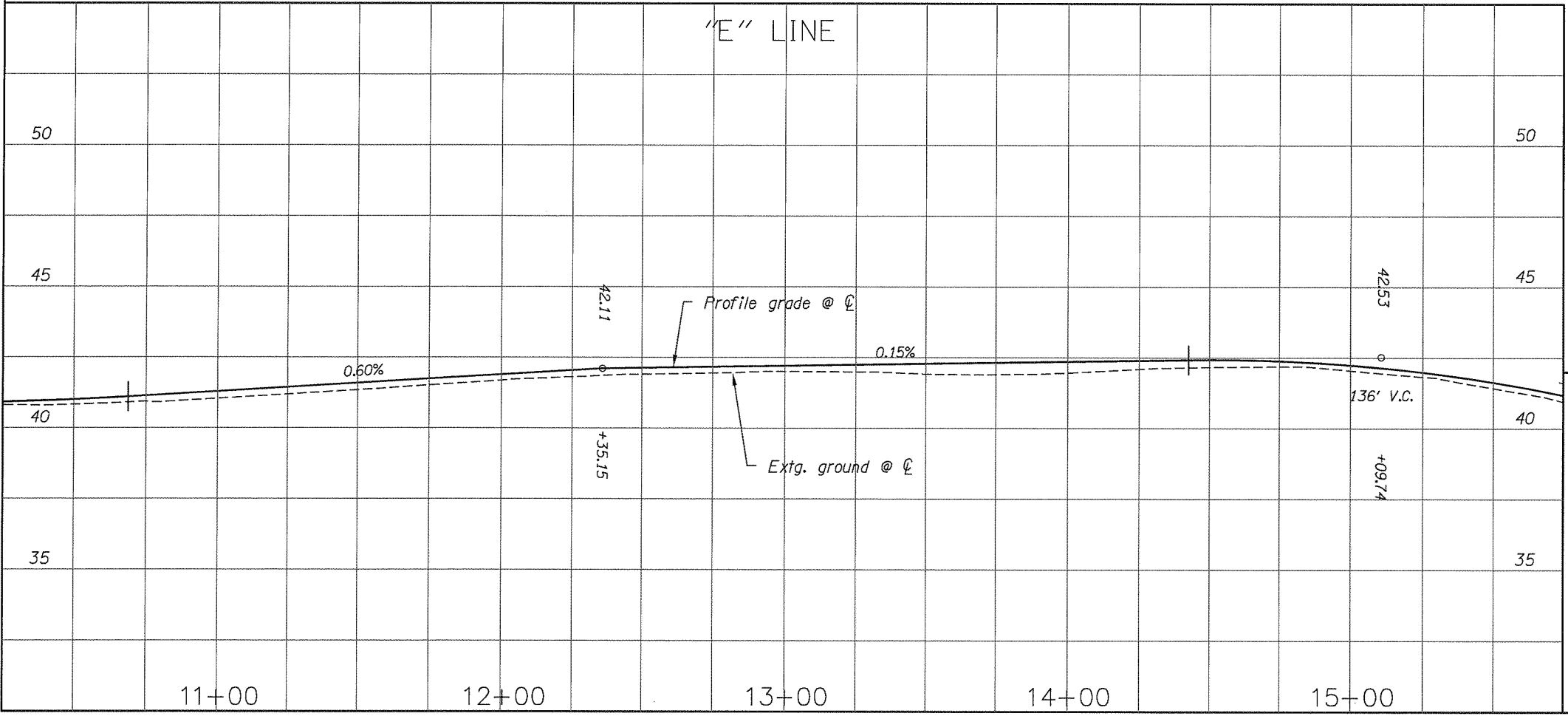
OREGON DEPARTMENT OF TRANSPORTATION	
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	486 E STREET COOS BAY, OR 97420 Phone: 541.266.8601 Fax: 541.266.8681
EMPIRE BLVD., NEWMARK AVE. TO WISCONSIN AVE. EMPIRE BOULEVARD	
CITY OF COOS BAY, OREGON	
REVIEWED BY - JRB DESIGNED BY - MDW DRAFTED BY - CDA	
DRAINAGE AND UTILITIES	SHEET NO. 4A

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Remove extg. conc. sidewalk
- ② Const. curb & gutter
(See drg. no. RD700)
- ③ Const. P.C. conc. sidewalk
(See drg. no. RD720)
- ④ Const. sidewalk ramp with truncated
domes (See drg. nos. RD755 & RD759)
- ⑤ Const. 8' buffer strip
(See drg. no. RD720)
- ⑥ Const. P.C. conc. dwy., option (H)
(See drg. no. RD740)
- ⑦ Const. retaining wall - 130'



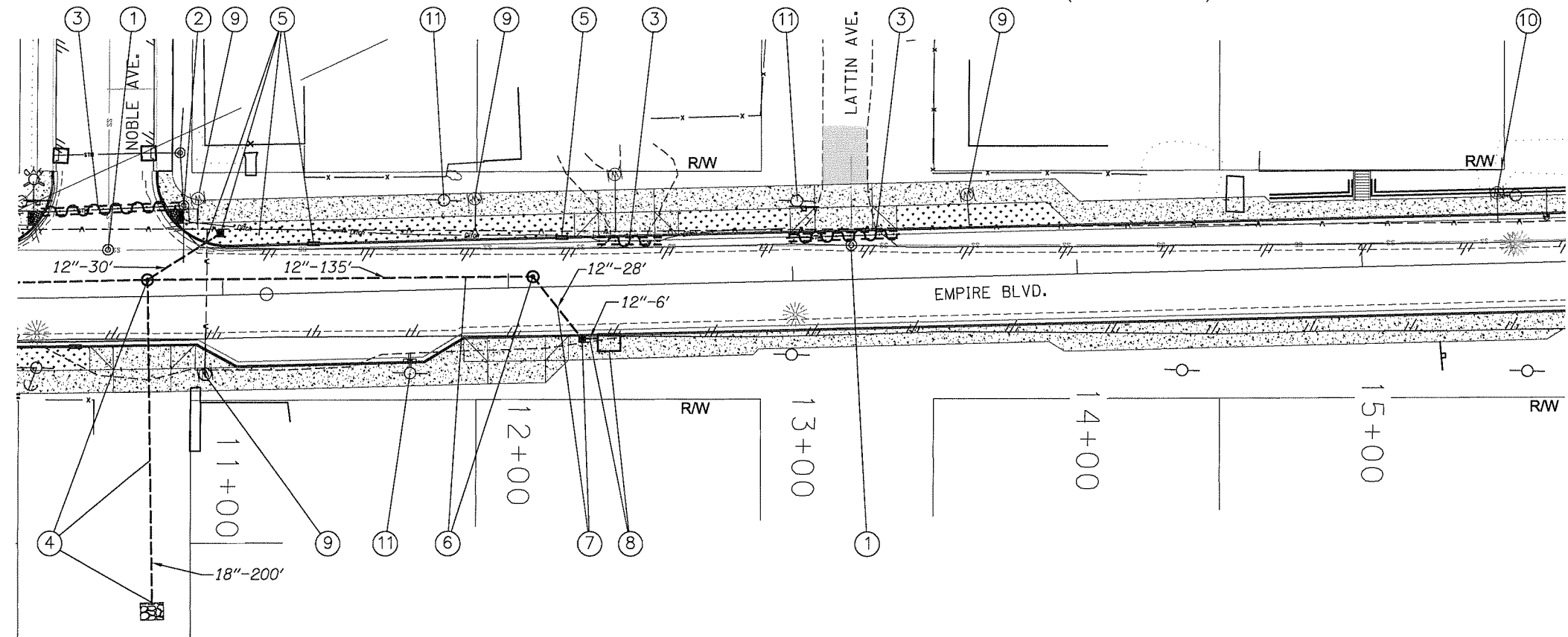
Remove extg. conc. shown thus:

PRELIMINARY

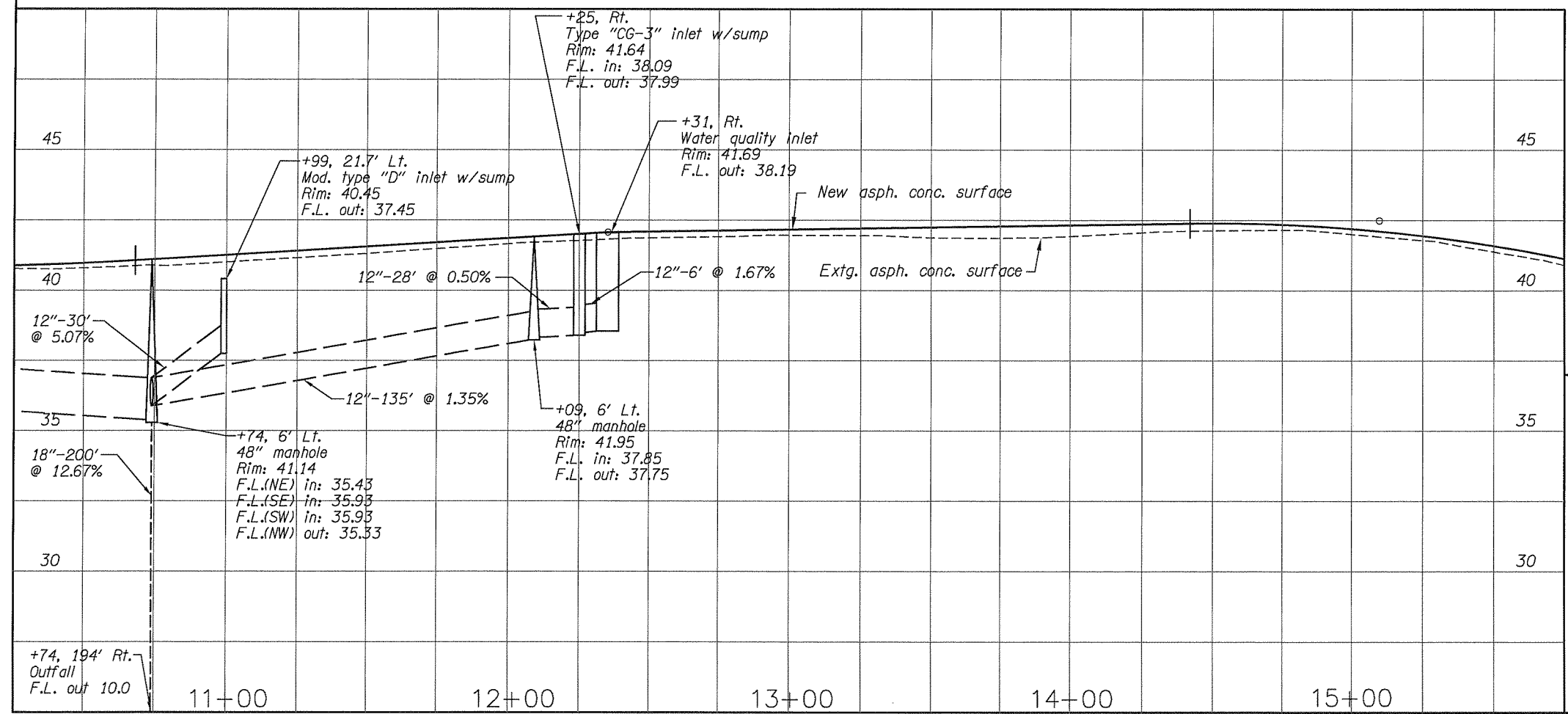
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REVIEWED BY - JRB DESIGNED BY - MDW DRAFTED BY - CDA	
PLAN AND PROFILE	SHEET NO. 5

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Minor adjust manhole - 2
- ② Major adjust manhole
- ③ Remove pipe - 109'
- ④ Sta. 10+74, 6' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 200'
5' depth
Const. loose riprap (Class 100) - 3 cu.yd.
Riprap geotextile type "2" - 9 sq.yd.
(For details, see sht. xx-xx)
- ⑤ Sta. 10+99, 21.7' Lt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 2
Const. water quality swale
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑥ Sta. 12+09, 6' Lt.
Const. manhole
Inst. 12" storm sew. pipe - 135'
5' depth
- ⑦ Sta. 12+25, Rt.
Const. type "CG-3" inlet w/sump
Inst. 12" storm sew. pipe - 28'
5' depth
(For details, see sht. xx-xx)
(See drg. nos. RD371 & RD371)
- ⑧ Sta. 12+31, Rt.
Const. water quality inlet
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑨ Adjust water meter - 4
- ⑩ Relocate water meter
- ⑪ Relocate utility poles
(By others)

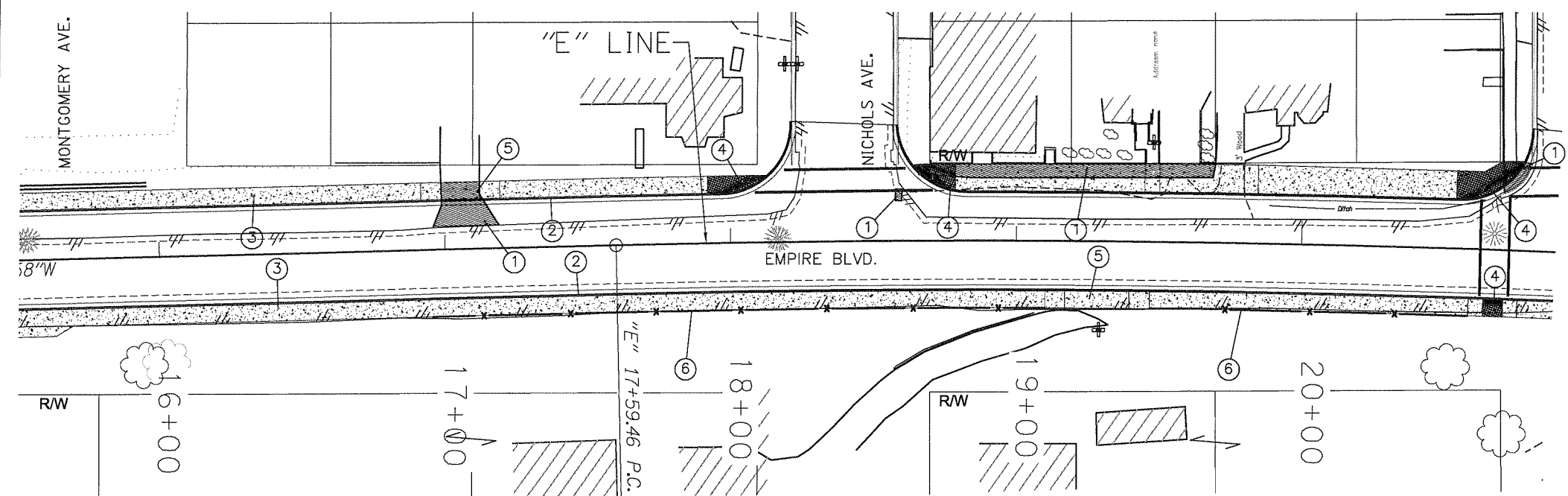


PRELIMINARY

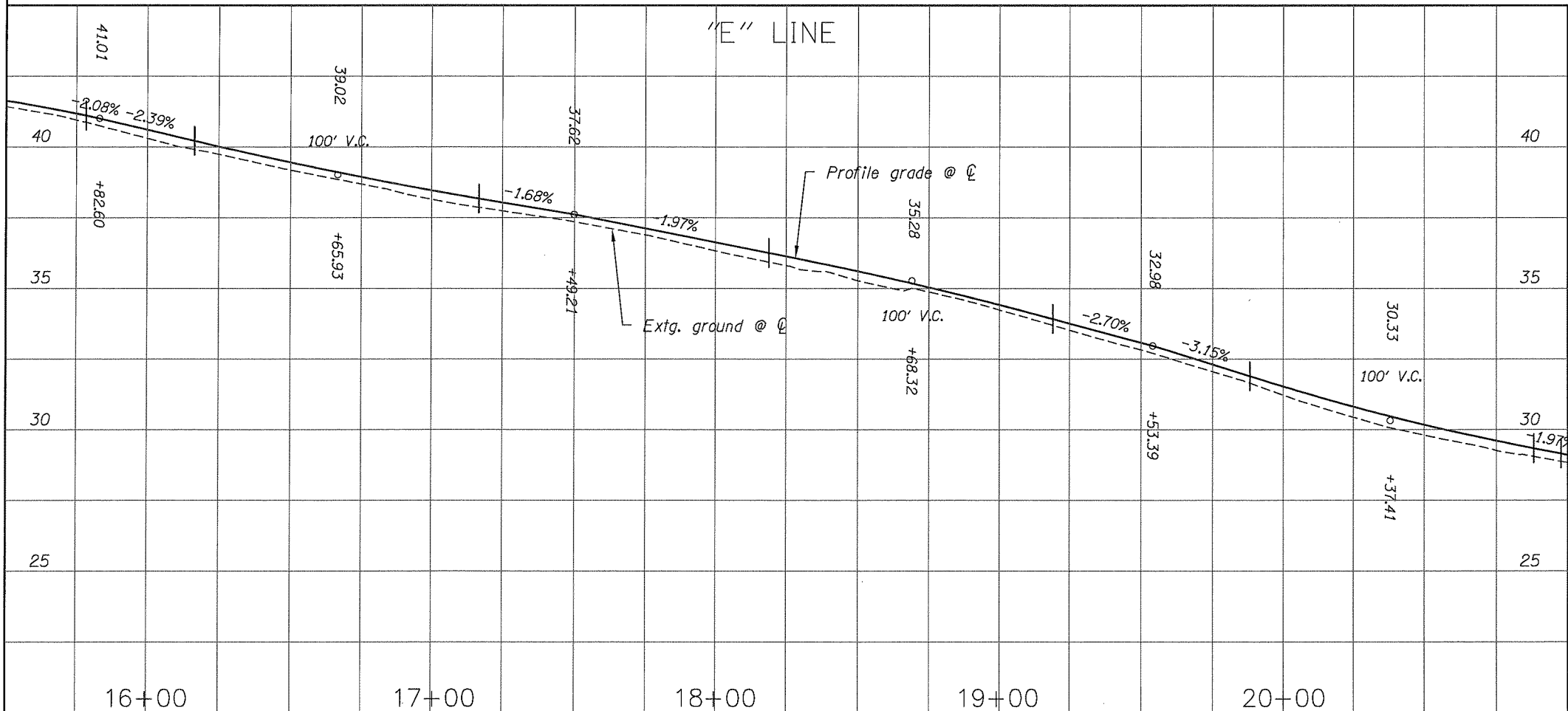
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DRAINAGE AND UTILITIES	SHEET NO. 5A

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Remove extg. conc. sidewalk
- ② Const. curb & gutter (See drg. no. RD700)
- ③ Const. P.C. conc. sidewalk (See drg. no. RD720)
- ④ Const. sidewalk ramp with truncated domes (See drg. nos. RD755 & RD759)
- ⑤ Const. P.C. conc. dwy., option (N) (See drg. nos. RD740 & RD750)
- ⑥ Const. pedestrian rail - 230'



Remove extg. conc. shown thus:

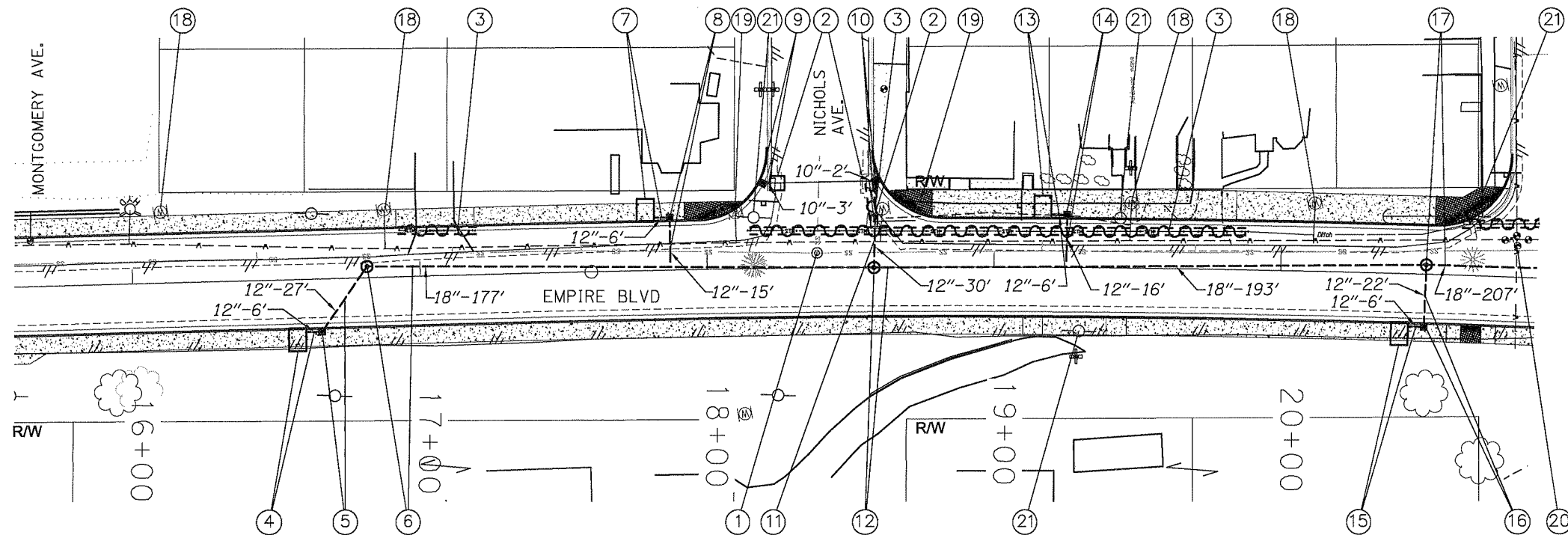
PRELIMINARY

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PLAN AND PROFILE	SHEET NO. 6

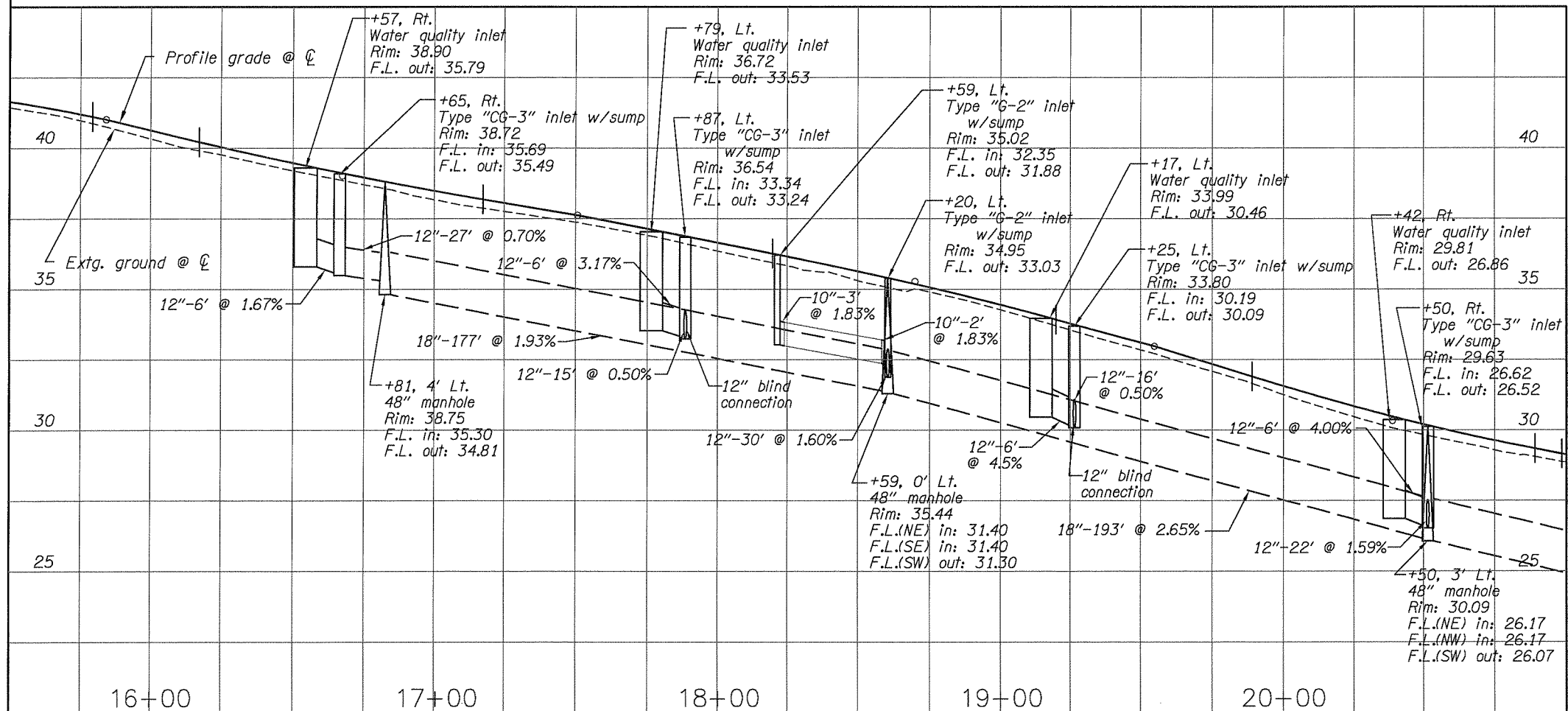
Sec. 20, T. 25 S., R. 13 W., W.M.

(CITY OF COOS BAY)

??V-???



- ① Minor adjust manhole
- ② Remove inlet - 3
- ③ Remove pipe - 231'
- ④ Sta. 16+57, Rt.
Const. water quality inlet
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑤ Sta. 16+65, Rt.
Const. type "CG-3" inlet w/sump
Inst. 12" storm sew. pipe - 27'
5' depth
(For details, see sht. xx-xx)
- ⑥ Sta. 16+81, 4' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 177'
5' depth
- ⑦ Sta. 17+79, Lt.
Const. water quality inlet
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑧ Sta. 17+87, Lt.
Const. type "CG-3" inlet w/sump
Inst. 12" storm sew. pipe - 15'
5' depth
Const. blind connection
(For details, see sht. xx-xx)
- ⑨ Sta. 18+20, Lt.
Const. type "G-2" inlet w/sump
Inst. 10" storm sew. pipe - 3'
5' depth
Connect to extg. pipe
- ⑩ Sta. 18+59, Lt.
Const. type "G-2" inlet w/sump
Inst. 10" storm sew. pipe - 2'
5' depth
Connect to extg. pipe
- ⑪ Sta. 18+59, Lt.
Inst. 12" storm sew. pipe - 30'
5' depth
- ⑫ Sta. 18+59
Const. manhole
Inst. 18" storm sew. pipe - 193'
5' depth
- ⑬ Sta. 19+17, Lt.
Const. water quality inlet
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑭ Sta. 19+25, Lt.
Const. type "CG-3" inlet w/sump
Inst. 12" storm sew. pipe - 16'
5' depth
Const. blind connection
(For details, see sht. xx-xx)
- ⑮ Sta. 20+42, Rt.
Const. water quality inlet
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑯ Sta. 20+50, Rt.
Const. type "CG-3" inlet w/sump
Inst. 12" storm sew. pipe - 22'
5' depth
(For details, see sht. xx-xx)
- ⑰ Sta. 20+50, 3' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 207'
5' depth
- ⑱ Adjust water meter - 4
- ⑲ Relocate water meter - 2
- ⑳ Adjust valve boxes - 4
- ㉑ Relocate utility poles
(By others)

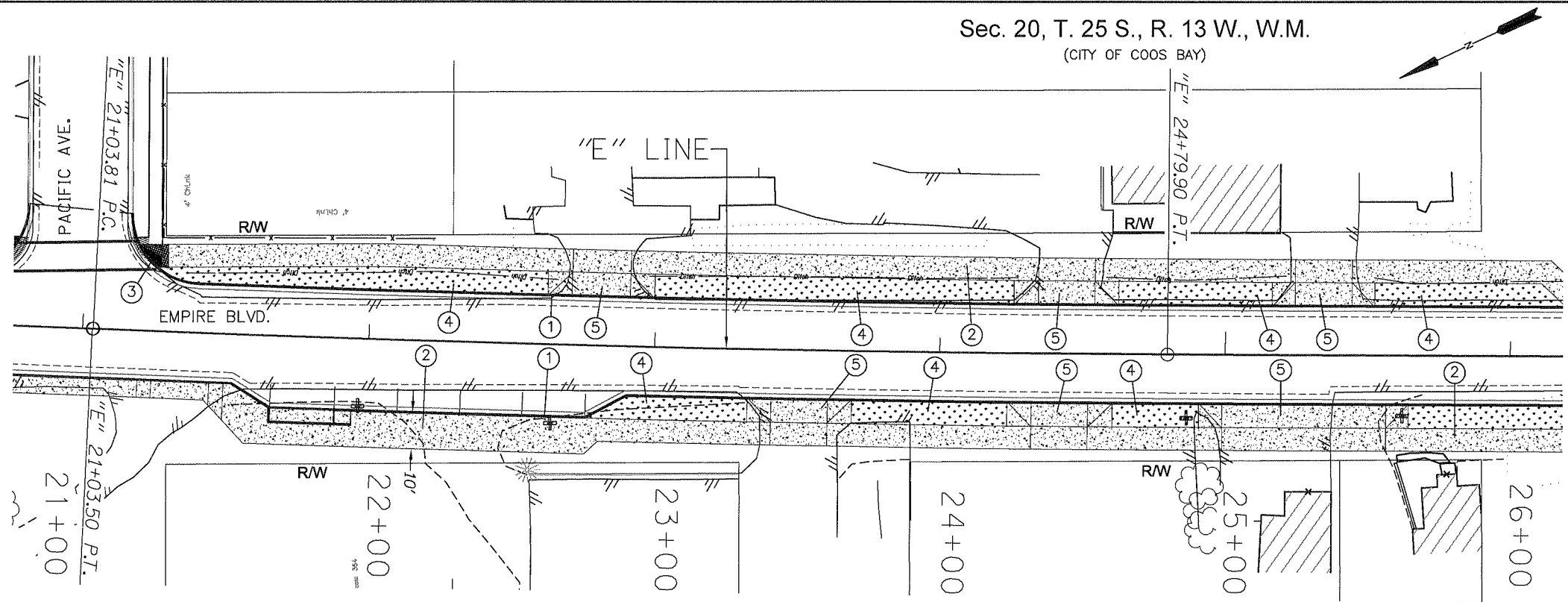


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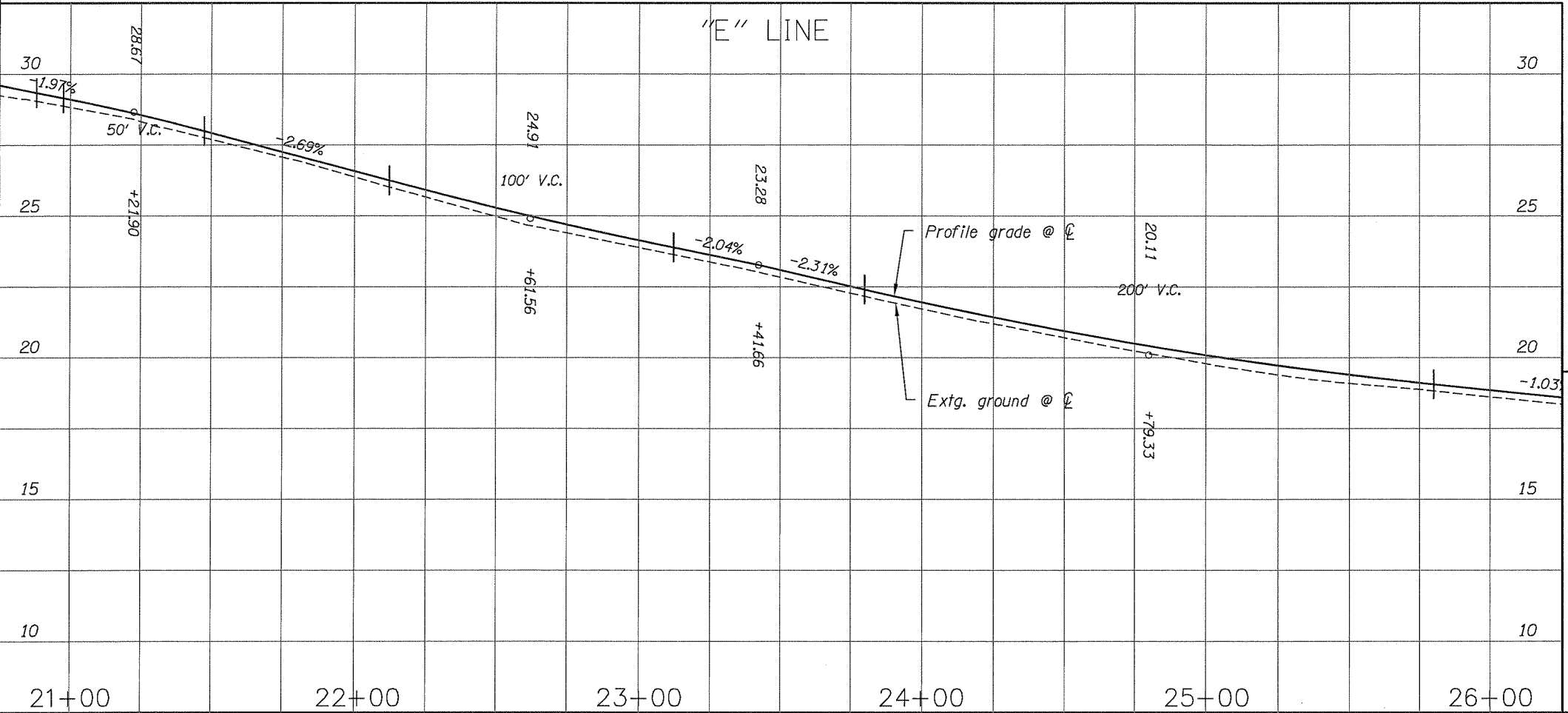
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DRAINAGE AND UTILITIES	
SHEET NO. 6A	

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Const. curb & gutter
(See drg. no. RD700)
- ② Const. P.C. conc. sidewalk
(See drg. no. RD720)
- ③ Const. sidewalk ramp with truncated
domes (See drg. nos. RD755 & RD759)
- ④ Const. 8' buffer strip
(See drg. no. RD720)
- ⑤ Const. P.C. conc. dwy., option (H) (N)
(See drg. nos. RD740 & RD750)



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EMPIRE BLVD., NEWMARK AVE. TO WISCONSIN AVE.
EMPIRE BOULEVARD
CITY OF COOS BAY, OREGON

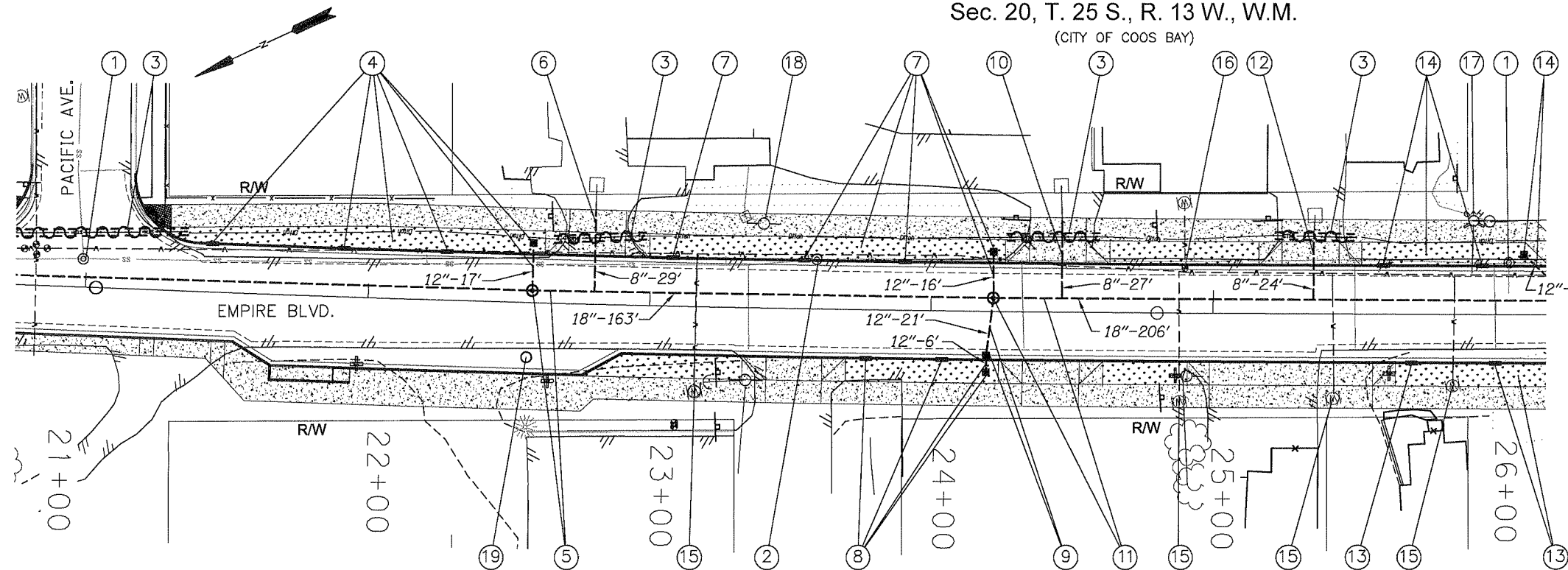
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PLAN AND PROFILE

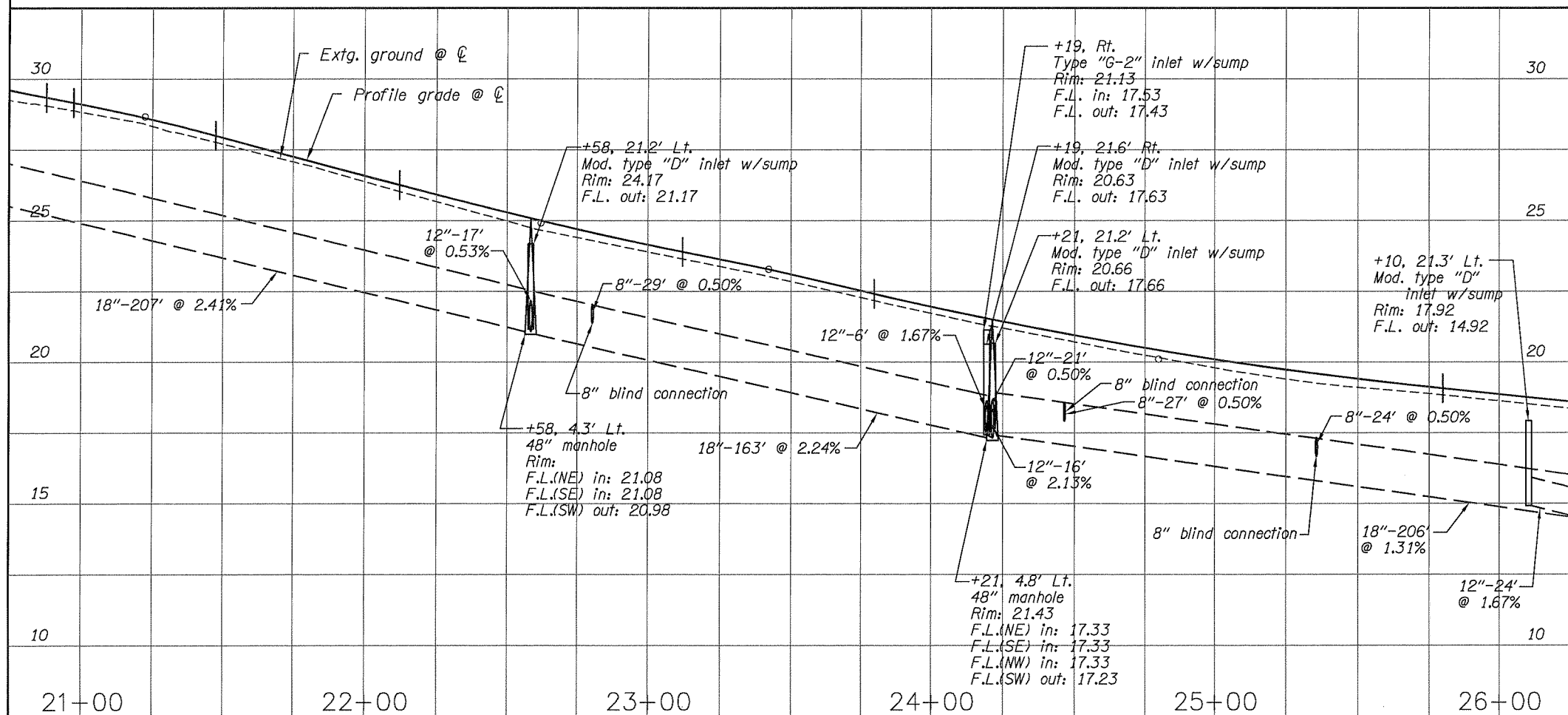
SHEET NO.
7

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Minor adjust manhole - 2
- ② Major adjust manhole
- ③ Remove pipe - 163'
- ④ Sta. 22+58, 21.2' Lt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 3
Const. water quality swale
Inst. 12" storm sew. pipe - 17'
5' depth
(For details, see sht. xx-xx)
- ⑤ Sta. 22+58, 4.3' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 163'
5' depth
- ⑥ Sta. 22+80, 4.5' Lt.
Inst. 8" storm sew. pipe - 29'
5' depth
Connect to extg. pipe
Const. blind connection
(For details, see sht. xx-xx)
- ⑦ Sta. 24+21, 21.2' Lt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 3
Const. water quality swale
Inst. 12" storm sew. pipe - 16'
5' depth
(For details, see sht. xx-xx)
- ⑧ Sta. 24+19, 21.6' Rt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 2
Const. water quality swale
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑨ Sta. 24+19, Rt.
Const. type "G-2" inlet w/sump
Inst. 12" storm sew. pipe - 21'
5' depth
- ⑩ Sta. 24+46, 4.9' Lt.
Inst. 8" storm sew. pipe - 27'
5' depth
Connect to extg. pipe
Const. blind connection
(For details, see sht. xx-xx)
- ⑪ Sta. 24+21, 4.8' Lt.
Const. manhole
Inst. 18" storm sew. pipe - 206'
5' depth
- ⑫ Sta. 25+35, 5.0' Lt.
Inst. 8" storm sew. pipe - 24'
5' depth
Connect to extg. pipe
Const. blind connection
(For details, see sht. xx-xx)
- ⑬ Sta. 26+00, 21.6' Rt.
Const. curb cut - 2
Const. water quality swale
(For details, see sht. xx-xx)
- ⑭ Sta. 26+10, 21.3' Lt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 2
Const. water quality swale
Inst. 12" storm sew. pipe - 24'
5' depth
(For details, see sht. xx-xx)
- ⑮ Adjust water meter - 4
- ⑯ Adjust valve box
- ⑰ Reset extg. hydrant
- ⑱ Relocate utility poles
(By others)
- ⑲ Adjust gas valve
(By others)

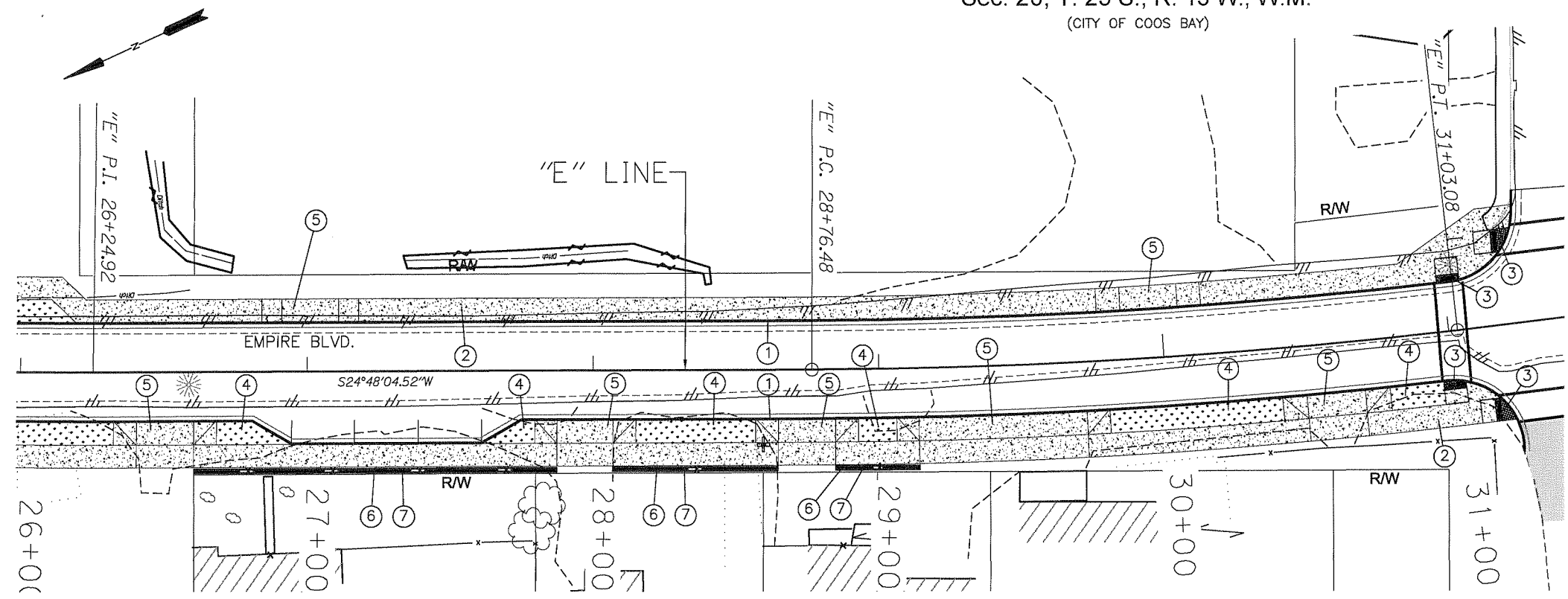


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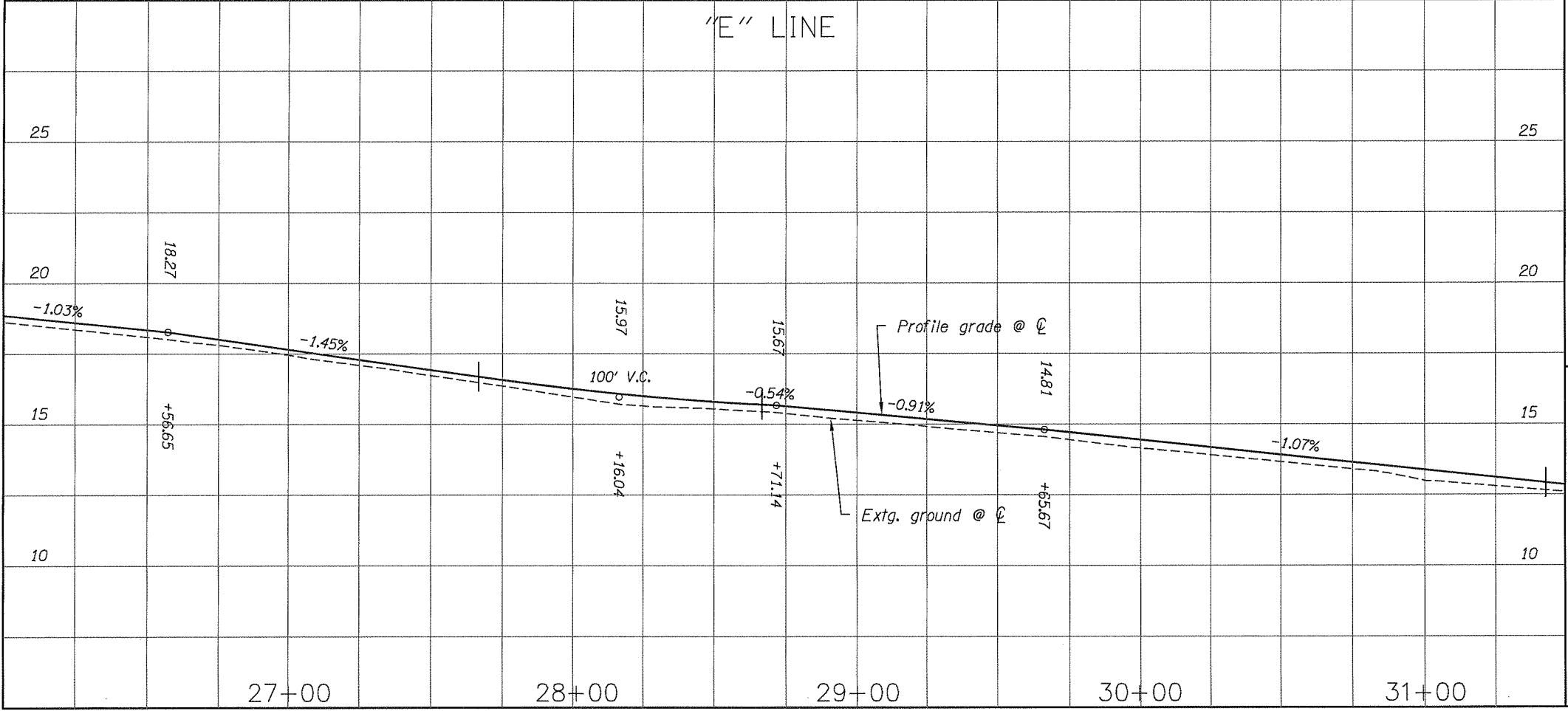
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DRAINAGE AND UTILITIES	SHEET NO. 7A

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Const. curb & gutter
(See drg. no. RD700)
- ② Const. P.C. conc. sidewalk
(See drg. no. RD720)
- ③ Const. sidewalk ramp with truncated
domes (See drg. nos. RD755 & RD759)
- ④ Const. 8' buffer strip
(See drg. no. RD720)
- ⑤ Const. P.C. conc. dwy., option (H) (N)
(See drg. nos. RD740 & RD750)
- ⑥ Const. retaining wall - 215'
- ⑦ Const. pedestrian rail - 215'

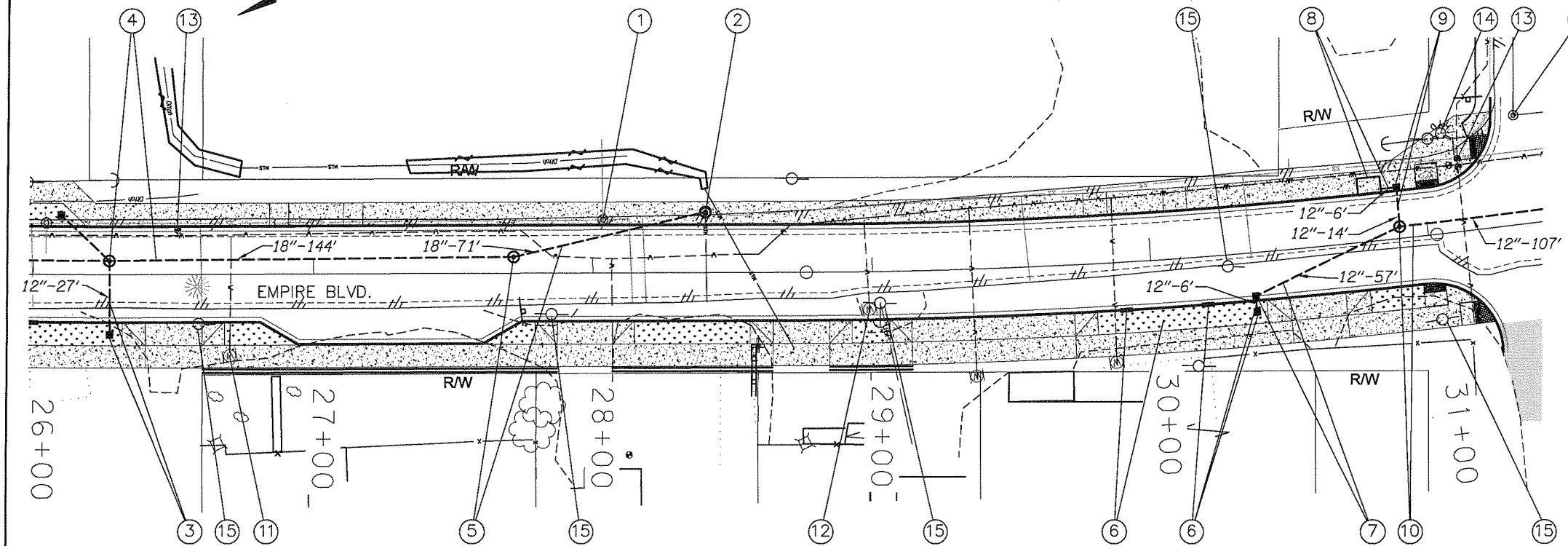


PRELIMINARY

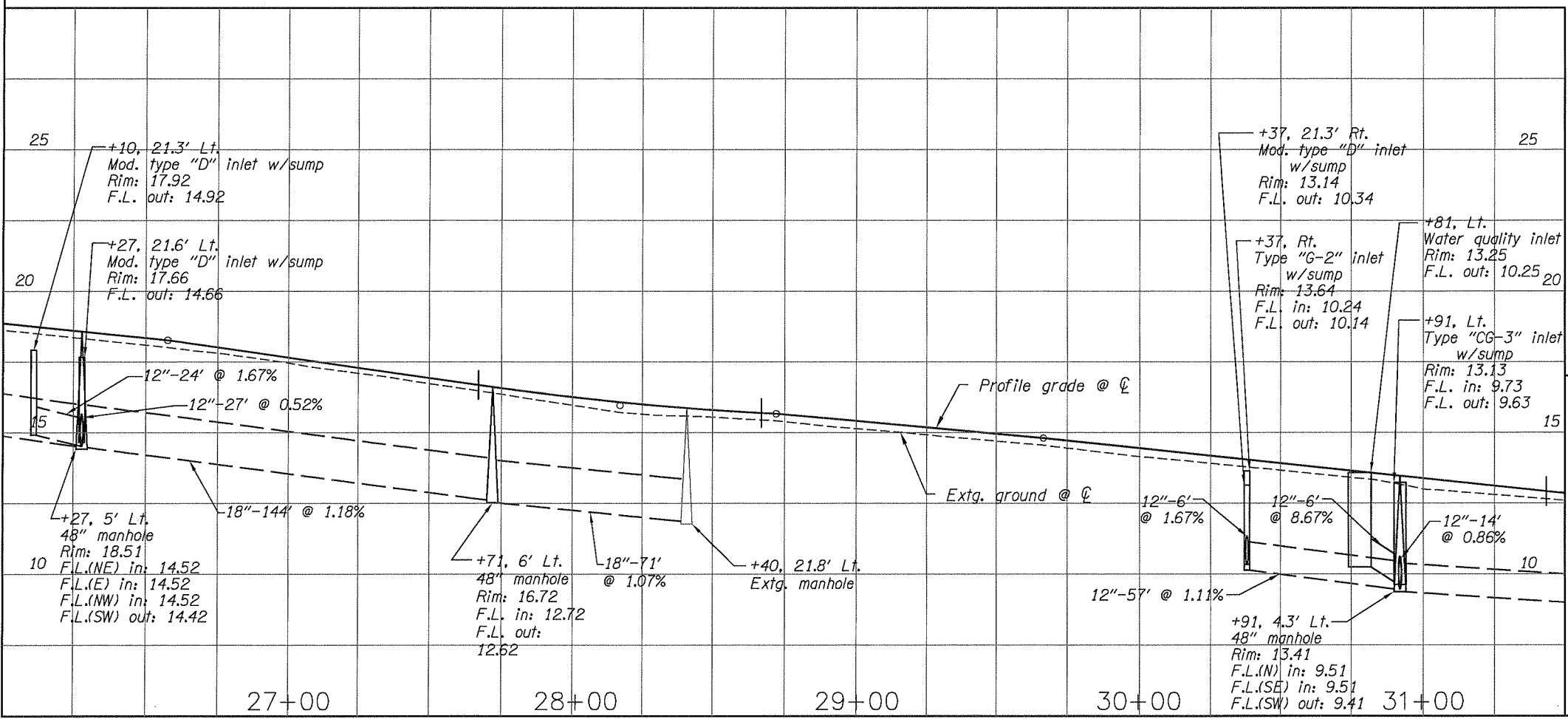
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PLAN AND PROFILE	SHEET NO. 8

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Minor adjust manhole - 2
- ② Major adjust manhole
- ③ Sta. 26+27, 21.6' Rt. Const. mod. type "D" inlet w/sump Inst. 12" storm sew. pipe - 27' 5' depth (For details, see sht. xx-xx)
- ④ Sta. 26+27, 5' Lt. Const. manhole Inst. 18" storm sew. pipe - 144' 5' depth
- ⑤ Sta. 27+71, 6' Lt. Const. manhole Inst. 18" storm sew. pipe - 71' 5' depth Connect to extg. manhole
- ⑥ Sta. 30+37, 21.3' Rt. Const. mod. type "D" inlet w/sump Const. curb cut - 2 Const. water quality swale Inst. 12" storm sew. pipe - 6' 5' depth (For details, see sht. xx-xx)
- ⑦ Sta. 30+37, Rt. Const. type "G-2" inlet w/sump Inst. 12" storm sew. pipe - 57' 5' depth
- ⑧ Sta. 30+81, Lt. Const. water quality inlet Inst. 12" storm sew. pipe - 6' 5' depth (For details, see sht. xx-xx)
- ⑨ Sta. 30+91, Lt. Const. type "CG-3" inlet Inst. 12" storm sew. pipe - 14' 5' depth
- ⑩ Sta. 30+91, 4.3' Lt. Const. manhole Inst. 12" storm sew. pipe - 107' 5' depth
- ⑪ Adjust water meter
- ⑫ Relocate water meter
- ⑬ Adjust valve box - 3
- ⑭ Reset extg. hydrant
- ⑮ Relocate utility poles (By others)

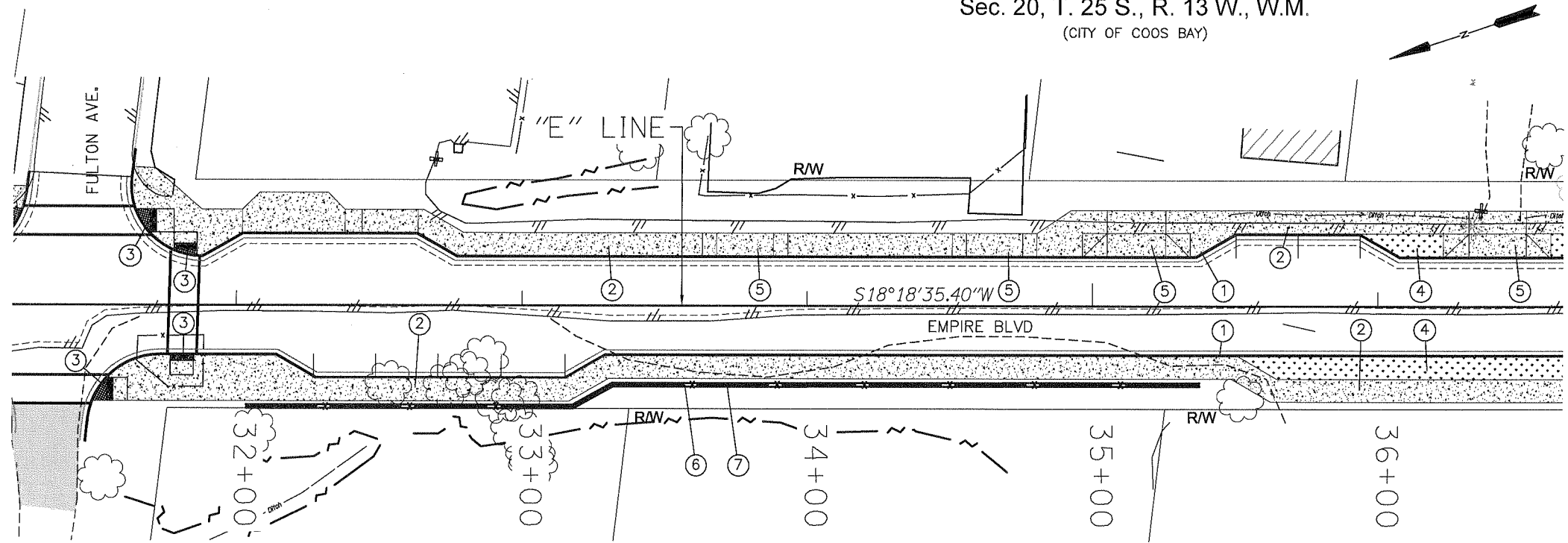


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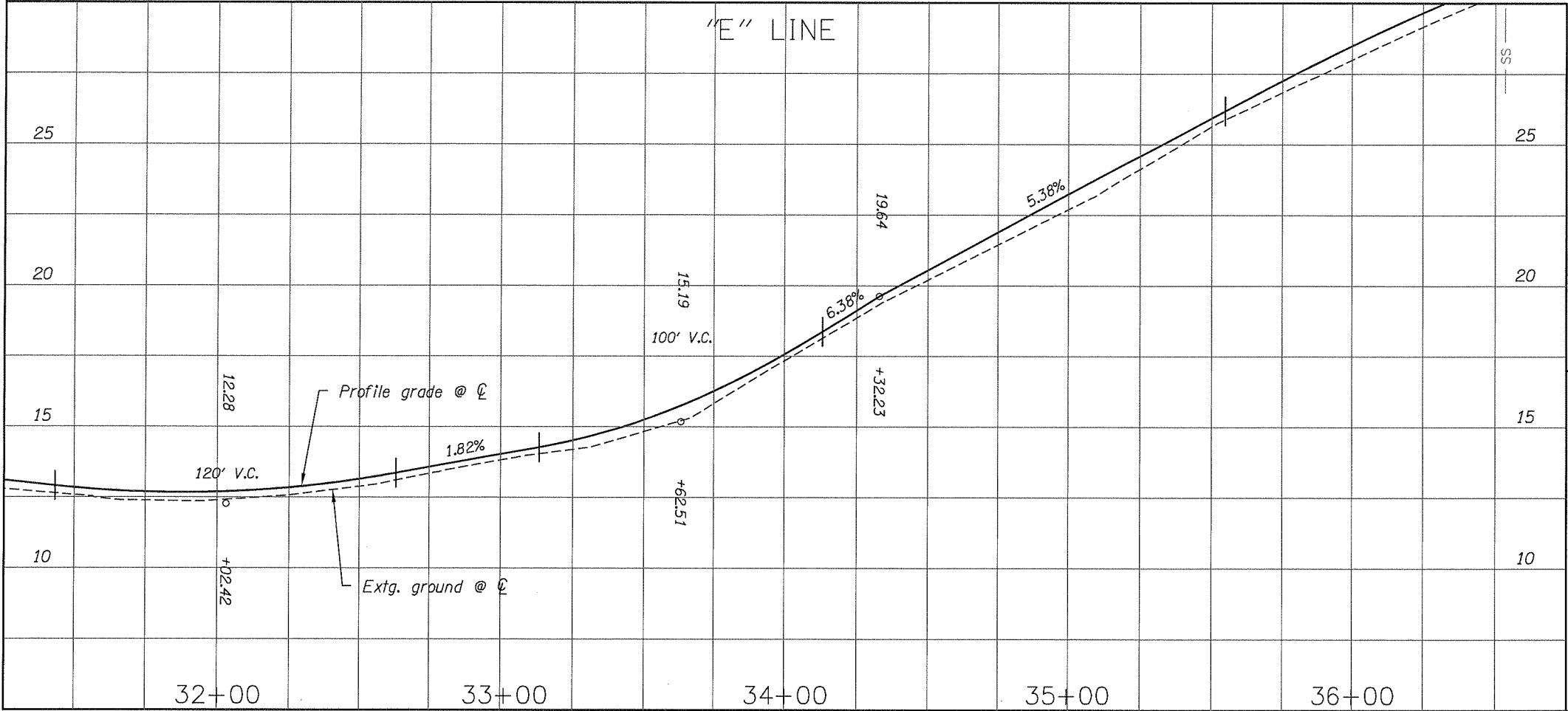
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DRAINAGE AND UTILITIES	
SHEET NO. 8A	

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Const. curb & gutter
(See drg. no. RD700)
- ② Const. P.C. conc. sidewalk
(See drg. no. RD720)
- ③ Const. sidewalk ramp with truncated
domes (See drg. nos. RD755 & RD759)
- ④ Const. 8' buffer strip
(See drg. no. RD720)
- ⑤ Const. P.C. conc. dwy., option (H) (N)
(See drg. nos. RD740 & RD750)
- ⑥ Const. retaining wall - 310'
- ⑦ Const. pedestrian rail - 310'

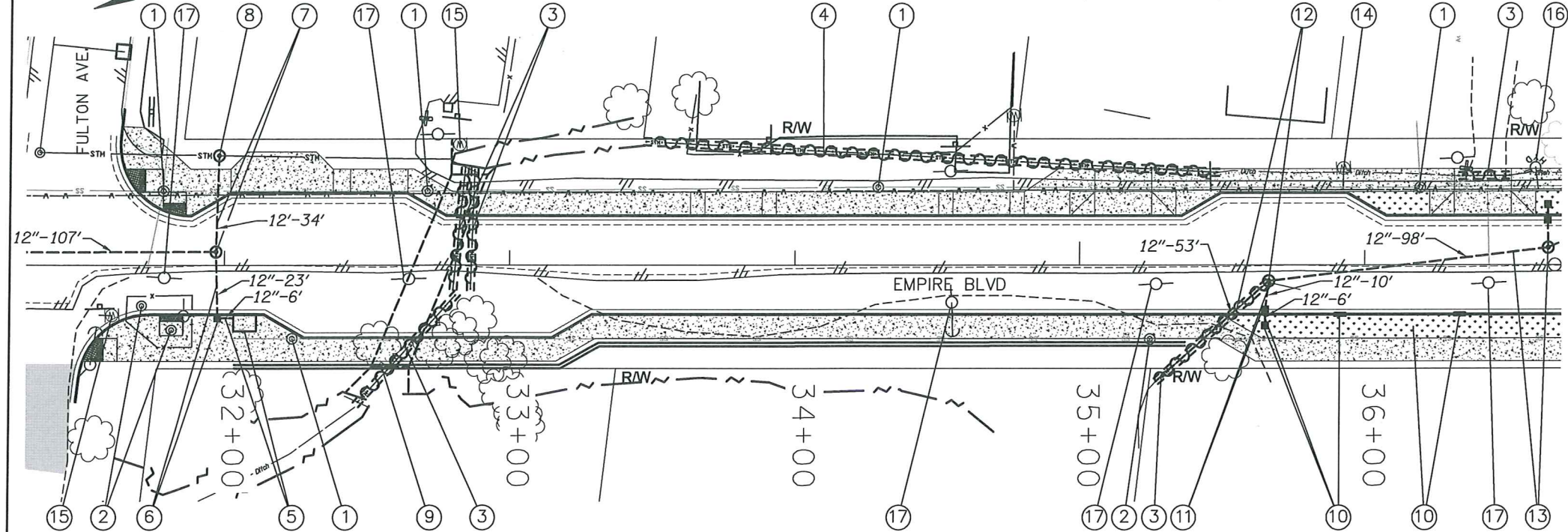


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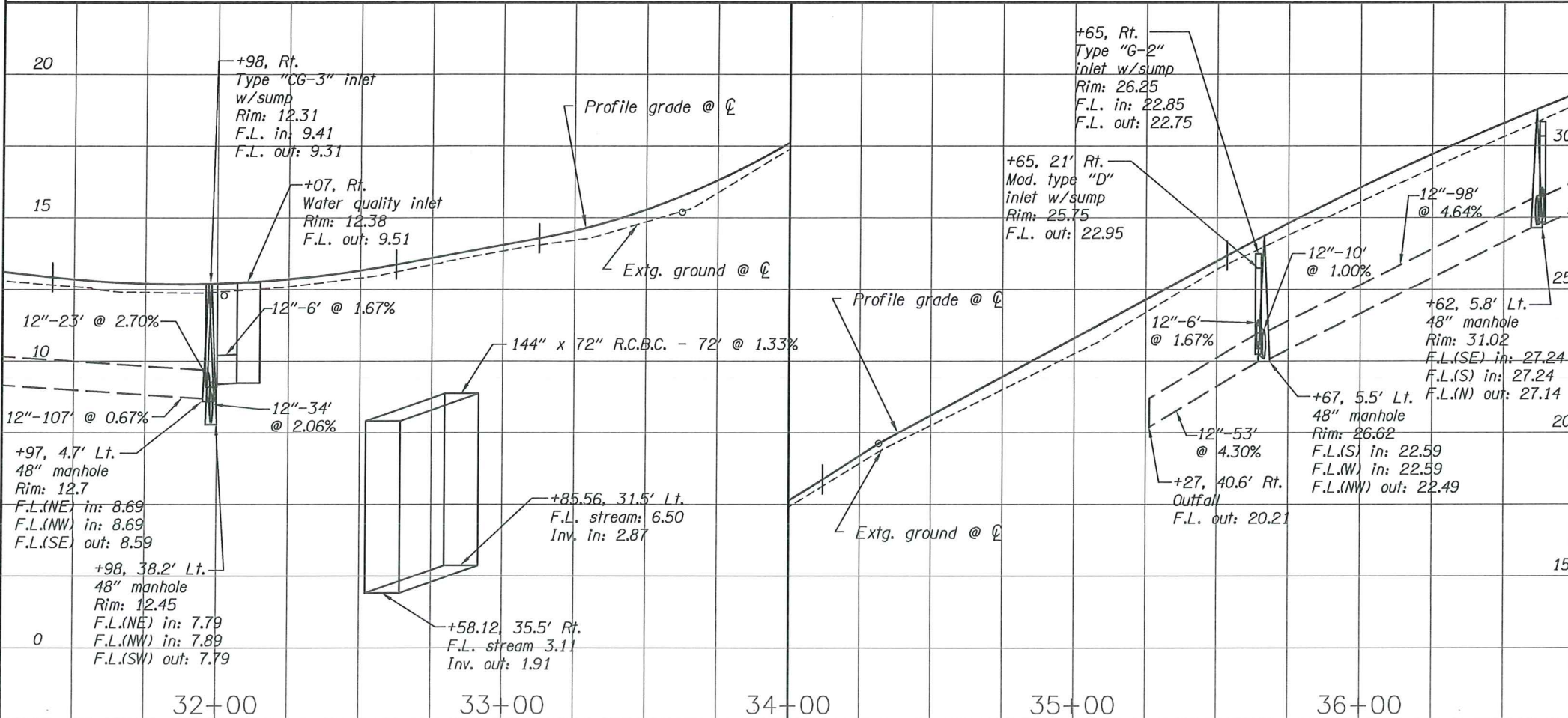
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PLAN AND PROFILE	SHEET NO. 9

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Minor adjust manhole - 5
- ② Major adjust manhole - 3
- ③ Remove pipe - 206'
- ④ Abandon pipe - 201'
- ⑤ Sta. 32+07, Rt.
Const. water quality inlet
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑥ Sta. 31+98, Rt.
Const. type "CG-3" inlet
Inst. 12" storm sew. pipe - 23'
5' depth
- ⑦ Sta. 31+97, 4.7' Lt.
Const. manhole
Inst. 12" storm sew. pipe - 34'
5' depth
- ⑧ Sta. 31+98, 38.2' Lt.
Const. manhole
Const. manhole over extg. sewer
- ⑨ Const. 144" x 72" R.C.B.C. - 72'
- ⑩ Sta. 35+65, 21.0' Rt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 2
Const. water quality swale
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑪ Sta. 35+65, Rt.
Const. type "G-2" inlet w/sump
Inst. 12" storm sew. pipe - 10'
5' depth
- ⑫ Sta. 35+67, 5.5' Rt.
Const. manhole
Inst. 12" storm sew. pipe - 53'
5' depth
- ⑬ Sta. 36+62, 5.8' Lt.
Const. manhole
Inst. 12" storm sew. pipe - 98'
5' depth
- ⑭ Adjust water meter
- ⑮ Relocate water meter
- ⑯ Reset extg. hydrant
- ⑰ Relocate utility poles
(By others)

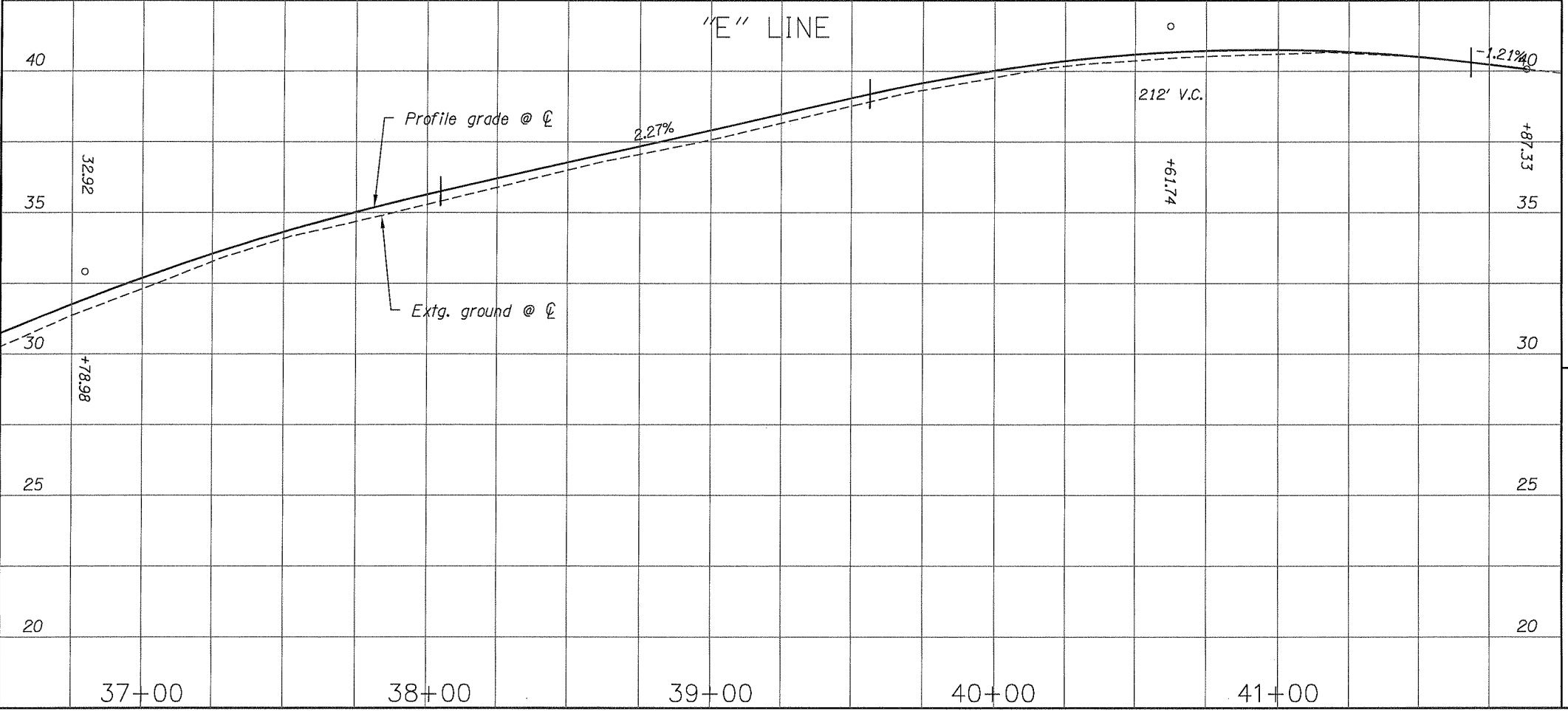
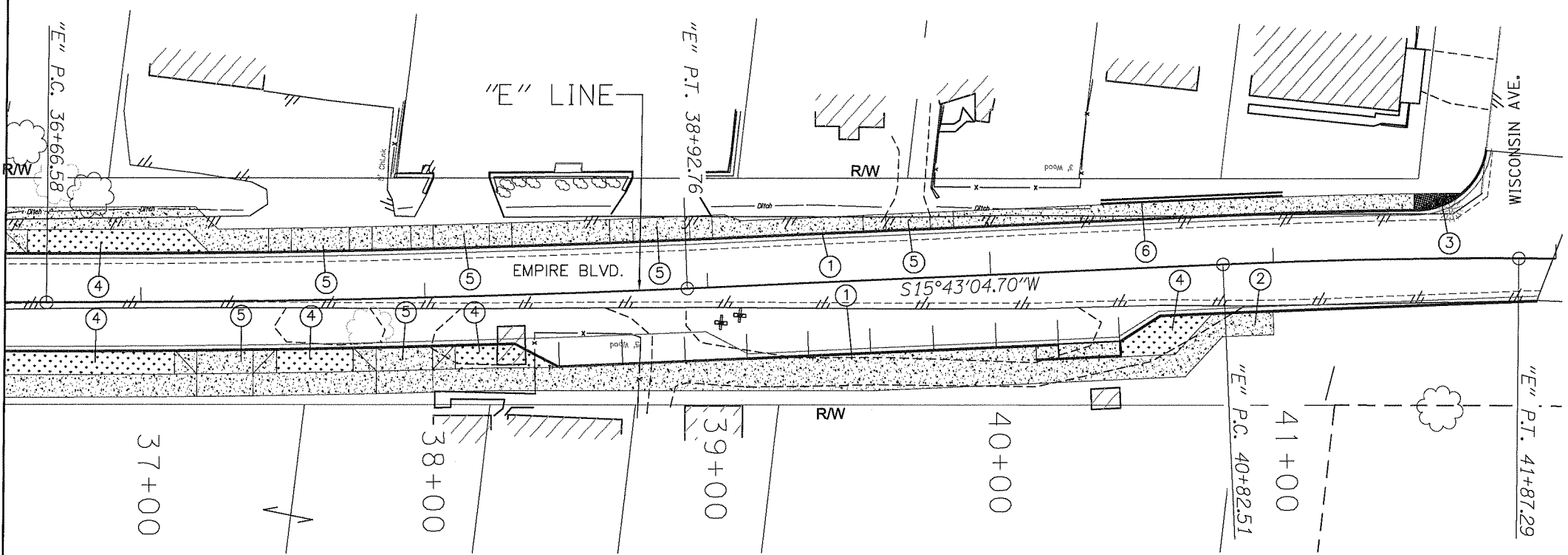


PRELIMINARY

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DRAINAGE AND UTILITIES	SHEET NO. 9A

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- 1 Const. curb & gutter (See drg. no. RD700)
- 2 Const. P.C. conc. sidewalk (See drg. no. RD720)
- 3 Const. sidewalk ramp with truncated domes (See drg. nos. RD755 & RD759)
- 4 Const. 8' buffer strip (See drg. no. RD720)
- 5 Const. P.C. conc. dwy., option (H) (N) (See drg. nos. RD740 & RD750)
- 6 Const. retaining wall - 97'

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2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295
831 OHARE PARKWAY MEDFORD, OREGON 97504-4005

Civil West

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Phone: 541.266.8601
Fax: 541.266.8681

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EMPIRE BOULEVARD
CITY OF COOS BAY, OREGON

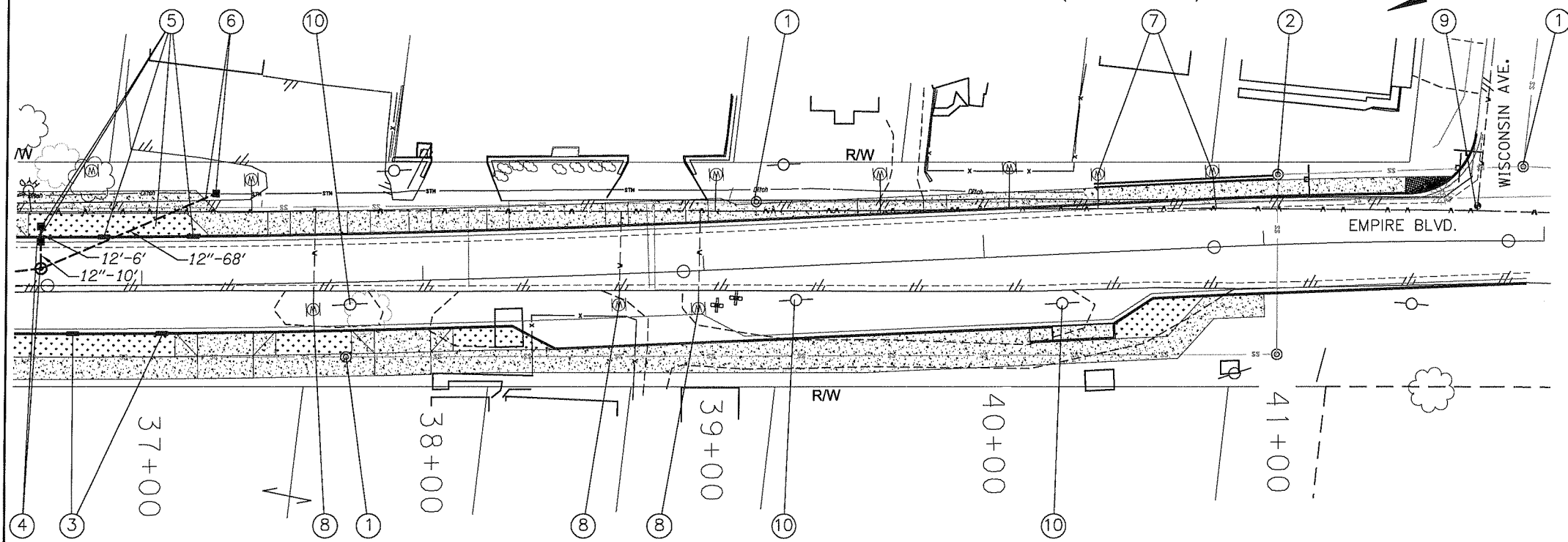
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PLAN AND PROFILE

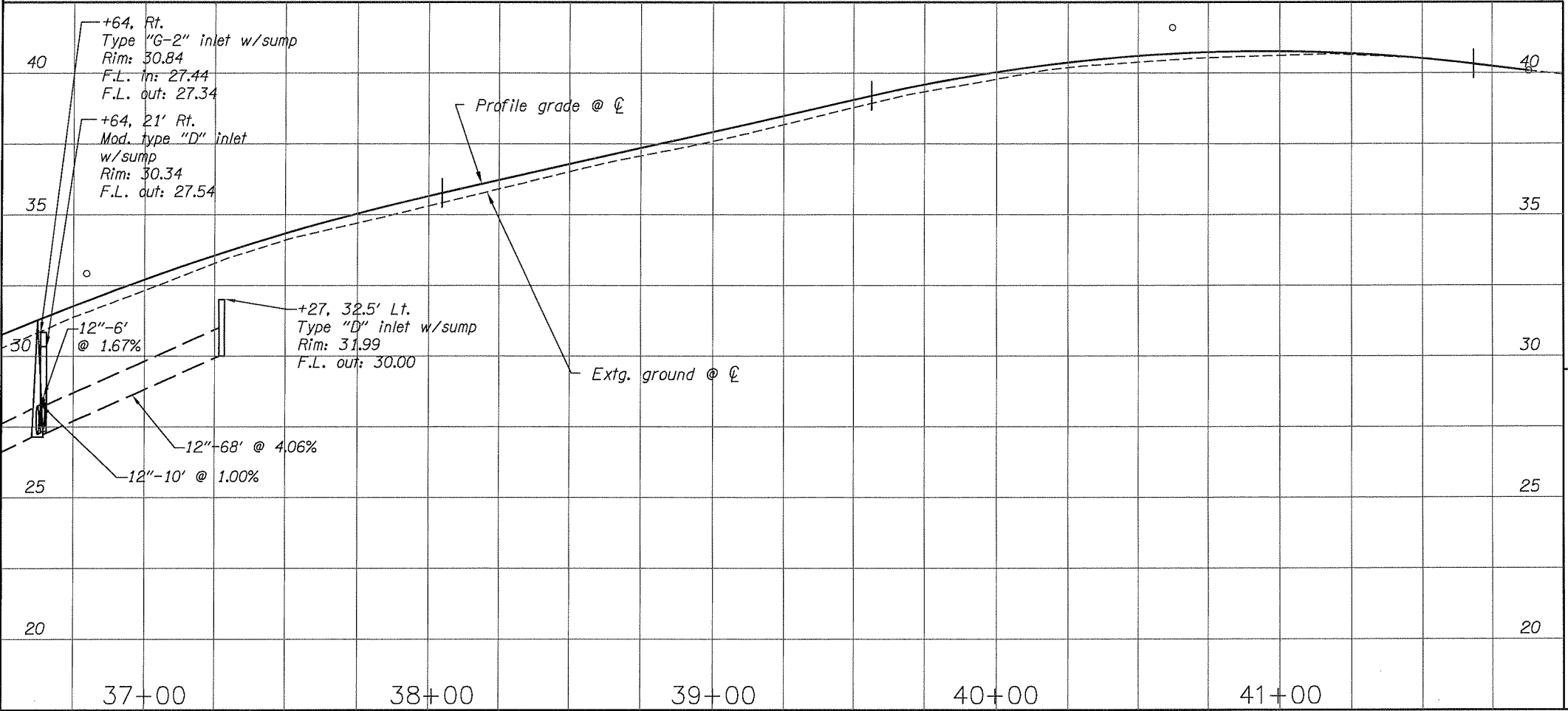
SHEET NO. 10

Sec. 20, T. 25 S., R. 13 W., W.M.
(CITY OF COOS BAY)

??V-???



- ① Minor adjust manhole - 3
- ② Major adjust manhole
- ③ Sta. 36+67, Rt.
Const. curb cuts - 2
(For details, see sht. xx-xx)
- ④ Sta. 36+64, Lt.
Const. type "G-2" inlet
Inst. 12" storm sew. pipe - 10'
5' depth
- ⑤ Sta. 36+64, 21.0' Lt.
Const. mod. type "D" inlet w/sump
Const. curb cut - 2
Const. water quality swale
Inst. 12" storm sew. pipe - 6'
5' depth
(For details, see sht. xx-xx)
- ⑥ Sta. 37+27, 32.5' Lt.
Const. type "D" inlet w/sump
Inst. 12" storm sew. pipe - 68'
5' depth
- ⑦ Adjust water meter - 2
- ⑧ Relocate water meter - 3
- ⑨ Adjust valve box
- ⑩ Relocate utility poles
(By others)



PRELIMINARY

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EMPIRE BLVD., NEWMARK AVE. TO WISCONSIN AVE. EMPIRE BOULEVARD CITY OF COOS BAY, OREGON	
REVIEWED BY - JRB DESIGNED BY - MDW DRAFTED BY - CDA	
DRAINAGE AND UTILITIES	SHEET NO. 10A