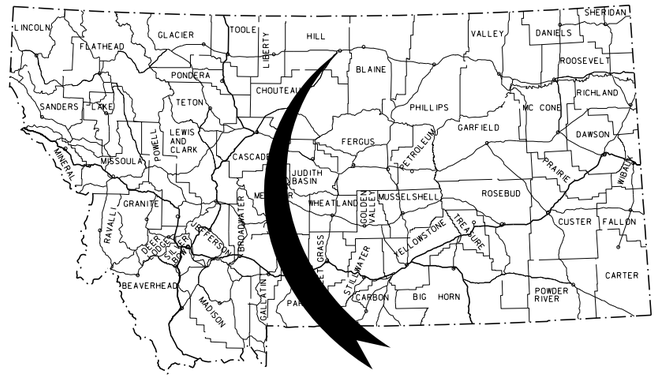
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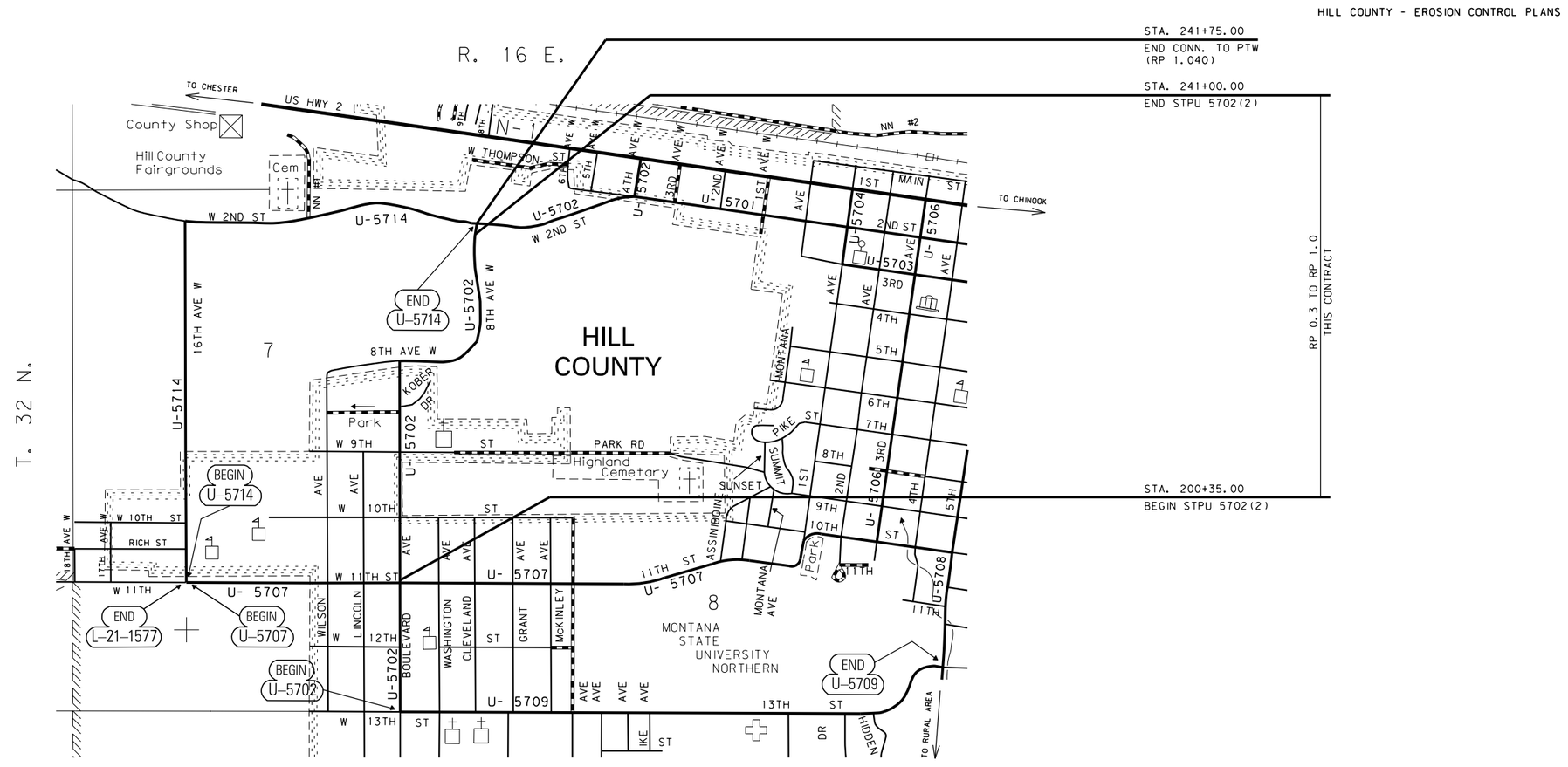



# MONTANA DEPARTMENT OF TRANSPORTATION

## FEDERAL AID PROJECT STPU 5702(2)
## PULV., OVERLAY, GRADE, GRAVEL, PL. MIX SURF., DRAINAGE, SEAL & COVER, AND ADA FACILITIES
## BOULEVARD AVENUE-HAVRE
## HILL COUNTY - EROSION CONTROL PLANS

LENGTH 0.8 MILES






| | | | | | | |
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| 3 | MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\6859001rdert001.dgn | DESIGNED BY | | | EROSION CONTROL PLANS |
| 2 | | 8/21/2020 | REVIEWED BY | | | UPN 6859001 |
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# EROSION AND SEDIMENT CONTROL BMP'S

REFER TO THE MOST CURRENT RELEASE OF MDT'S EROSION & SEDIMENT CONTROL BMP MANUAL

PEV (SS-1) SHOULD BE IDENTIFIED AND USED THROUGHOUT THE ENTIRE PROJECT IN ALL AREAS NOT DISTURBED BY CONSTRUCTION

TS (SS-3) AND ES (SS-4) SHOULD BE UTILIZED THROUGHOUT THE ENTIRE PROJECT

## GENERAL BMP'S

- I/O — INLET/OUTLET PROTECTION
- WP — WATERWAY PROTECTION
- WR — WATER RESOURCE PROTECTION

## TEMPORARY SOIL STABILIZATION BMP'S (SS)

- PEV — PRESERVATION OF EXISTING VEGETATION (SS-1)
- MC — MULCH COVER (SS-2)
- TS — TEMPORARY SEEDING (SS-3)
- ES — EROSION SEEDING (SS-4)
- SB — SOIL BINDERS (SS-5)
- REC — ROLLED EROSION CONTROL PRODUCTS (SS-6)
- SR — SURFACE ROUGHENING (SS-7)
- WE — WIND EROSION CONTROL (SS-8)

## RUN-ON AND RUNOFF CONTROL (RC)

- ED/LD — EARTH DIKES/DRAINAGE SWALES/LINED DITCHES (RC-1)
- OVDD — OUTLET VELOCITY DISSIPATION DEVICES (RC-2)
- TSD — TEMPORARY SLOPE DRAINS (RC-3)

## TEMPORARY SEDIMENT CONTROL BMP'S (SC)

- SF — SILT FENCE (SC-1)
- DB — DESILTING BASIN (SC-2)
- ST — SEDIMENT TRAP (SC-3)
- CD — CHECK DAMS (SC-4)
- DDB — DUGOUT DITCH BASIN (SC-5)
- FR — FIBER ROLLS (SC-6)
- CS — COMPOST SOCKS (SC-7)
- BB — BRUSH BARRIER (SC-8)
- SAND-B — SANDBAG BARRIER (SC-9)
- GBB — GRAVEL BAG BERM (SC-10)
- RB — ROCK FILTER BERM (SC-11)
- I/O — INLET/OUTLET PROTECTION (SC-12)

## TRACKING CONTROL BMP'S (TC)

- SCEE — STABILIZED CONSTRUCTION ENTRANCE/EXIT (SC-13)
- SCR — STABILIZED CONSTRUCTION ROADWAY (SC-14)
- EOTW — ENTRANCE/OUTLET TIRE WASH (SC-15)

## THE FOLLOWING BMP ALTERNATIVES ARE NOT COMPREHENSIVE AND DO NOT SUPERSEDE MDT CONTRACT REQUIREMENTS OR MANDATES AND REQUIREMENTS SPECIFIED BY OTHER AUTHORIZED LOCAL, STATE, AND FEDERAL AGENCIES.

### I/O INLET/OUTLET PROTECTION

- REC
- CS
- SAND-B
- FR
- RB
- OVDD
- ED/LD
- GBB

### WR WATER RESOURCE PROTECTION

- FR
- PEV
- TS
- I/O
- SF
- GBB
- SAND-B
- TSD
- REC
- ES
- OVDD
- RB

### DT DITCH TREATMENT

- TS
- REC
- GBB
- CS
- CD
- SAND-B
- DDB
- OVDD
- ED/LD
- TSD

NOTE: BMP STATIONING IS APPROXIMATE

CONSTRUCTION LIMITS:
CUT SECTION
TOE OF FILL

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 / 1 | MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\6859001rdert001.dgn<br>8/21/2020<br>11:56:59 AM CPS - U0224 | DESIGNED BY<br>REVIEWED BY<br>CHECKED BY | | | EROSION CONTROL PLANS<br>HILL COUNTY | | BOULEVARD AVENUE - HAVRE<br>UPN 6859001 | STPU 5702(2)<br>2 |

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**UTILITY CROSSINGS**

| | |
|---|---|
| 200+11.4 | STM. DR. X-ING - DEPTH UNKNOWN |
| 200+15.0 | STM. DR. X-ING - DEPTH UNKNOWN |
| 200+30.6 | O.H. PWR. X-ING - CLEARANCE UNKNOWN |
| 200+32.6 | O.H. TV X-ING - CLEARANCE UNKNOWN |
| 200+91.2 | O.H. PWR. X-ING - CLEARANCE UNKNOWN |
| 200+93.7 | WATER X-ING - DEPTH UNKNOWN |
| 201+40.1 | WATER X-ING - DEPTH UNKNOWN |
| 202+12.7 | O.H. PWR. X-ING - CLEARANCE UNKNOWN |
| 202+16.1 | WATER X-ING - DEPTH UNKNOWN |
| 202+71.0 | WATER X-ING - DEPTH UNKNOWN |
| 203+17.9 | WATER X-ING - DEPTH UNKNOWN |
| 204+17.1 | WATER X-ING - DEPTH UNKNOWN |
| 204+50.9 | O.H. PWR. X-ING - CLEARANCE UNKNOWN |
| 204+60.6 | WATER X-ING - DEPTH UNKNOWN |
| 205+36.5 | WATER X-ING - DEPTH UNKNOWN |
| 205+66.9 | O.H. PWR. X-ING - CLEARANCE UNKNOWN |
| 205+96.6 | WATER X-ING - DEPTH UNKNOWN |
| 206+28.7 | O.H. PWR. X-ING - CLEARANCE UNKNOWN |
| 206+54.8 | WATER X-ING - DEPTH UNKNOWN |
| 208+26.6 | WATER X-ING - DEPTH UNKNOWN |
| 209+01.4 | WATER X-ING - DEPTH UNKNOWN |
| 209+11.7 | WATER X-ING - DEPTH UNKNOWN |
| 209+74.7 | WATER X-ING - DEPTH UNKNOWN |
| 209+95.8 | WATER X-ING - DEPTH UNKNOWN |

**ADJUST WATER VALVES IN PLACE**

206+48.0 - 10.7' RT.
206+54.8 - 19.9' RT.
206+61.7 - 10.1' RT.

BOULEVARD AVENUE

200+00

205+00

210+00

T. 32 N.
R. 16 E.
SEC. 7

STA. 200+00.00 = STA. 122+56.58 ON 11TH ST.

POT 200+35.00

BORE HOLE 6859-12

SOIL BORING EX. NO. 2

SOIL BORING EX. NO. 3

SOIL BORING EX. NO. 4

CORE HOLE EX. NO. 3

BORE HOLE 6859-11

BOULEVARD AVE.

ELEVENTH ST.

TENTH ST.

GAS STATION

N 0° 00' 31" E

EX. R/W

60'

80'

STA. 200+35.00
BEG. STPU 5702(2)

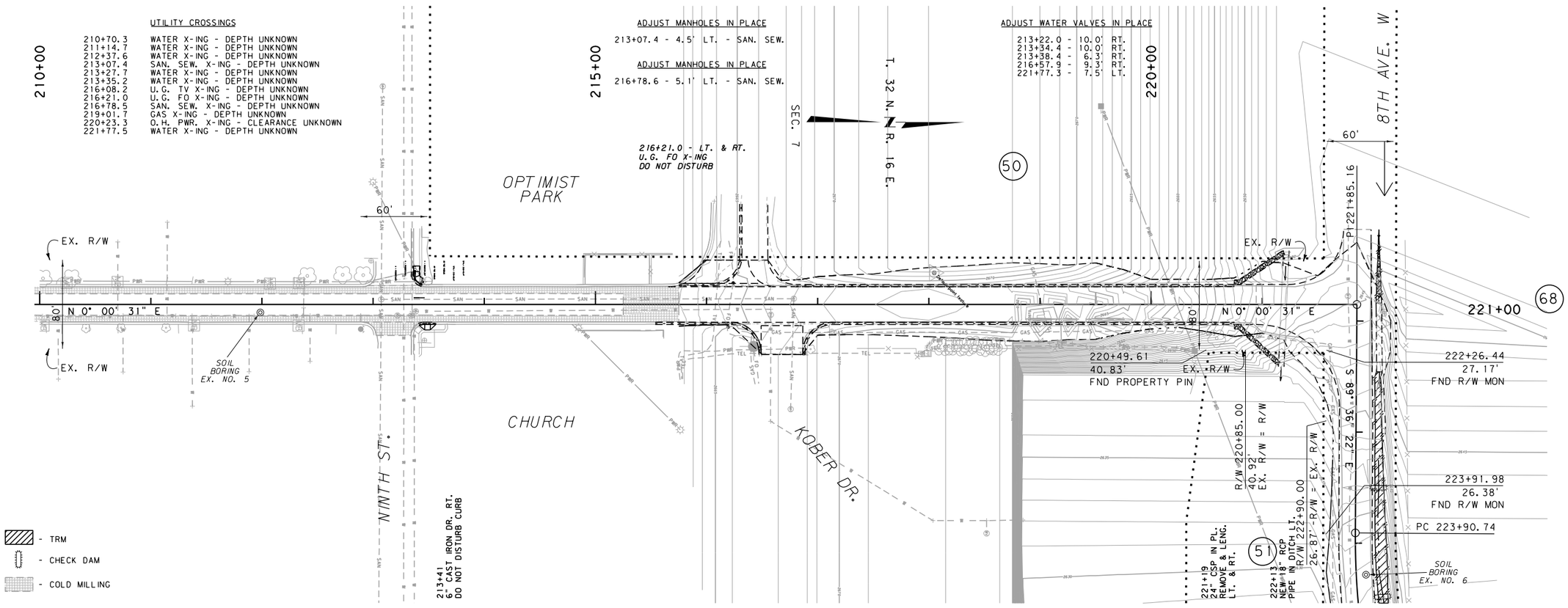
206+60
PUBLIC APP. LT. & RT.
(TENTH ST.)

- COLD MILLING

| | | | | | |
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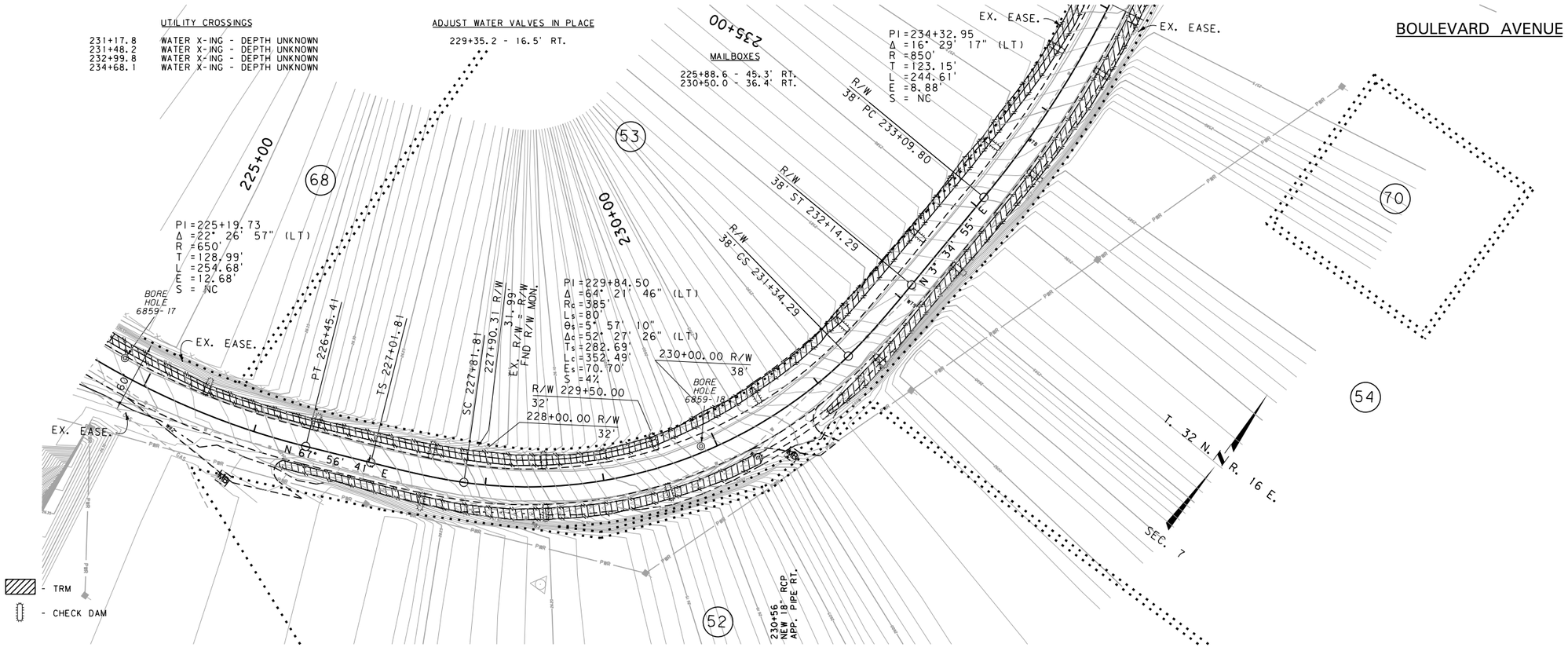
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| 2 | | 8/21/2020 | HILL COUNTY | | UPN 6859001 | 4 |
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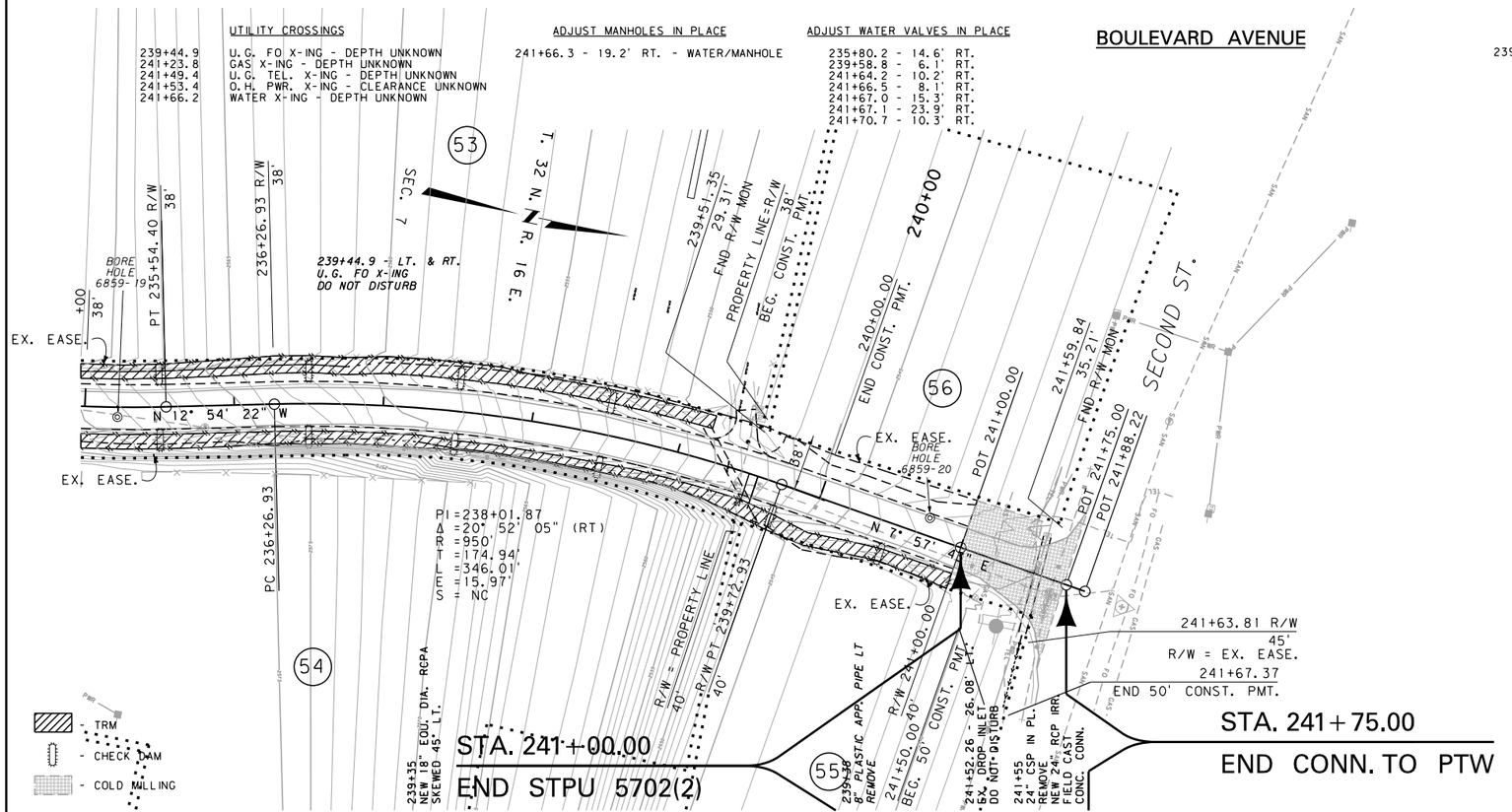
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| 3<br>1 | MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\6859001rdero003.dgn<br>8/21/2020<br>11:57:39 AM CPS - U0224 | | EROSION CONTROL PLANS<br>HILL COUNTY | | BOULEVARD AVENUE - HAVRE<br>UPN 6859001 | STPU 5702(2)<br>5 |

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| 2 | MDT MONTANA DEPARTMENT OF TRANSPORTATION | C:\DGN\6859001rdero003.dgn | | EROSION CONTROL PLANS | BOULEVARD AVENUE - HAVRE | STPU 5702(2) |
| 1 | | 8/21/2020 | | HILL COUNTY | UPN 6859001 | 6 |
| | | 11:57:45 AM CPS - U0224 | | | | |