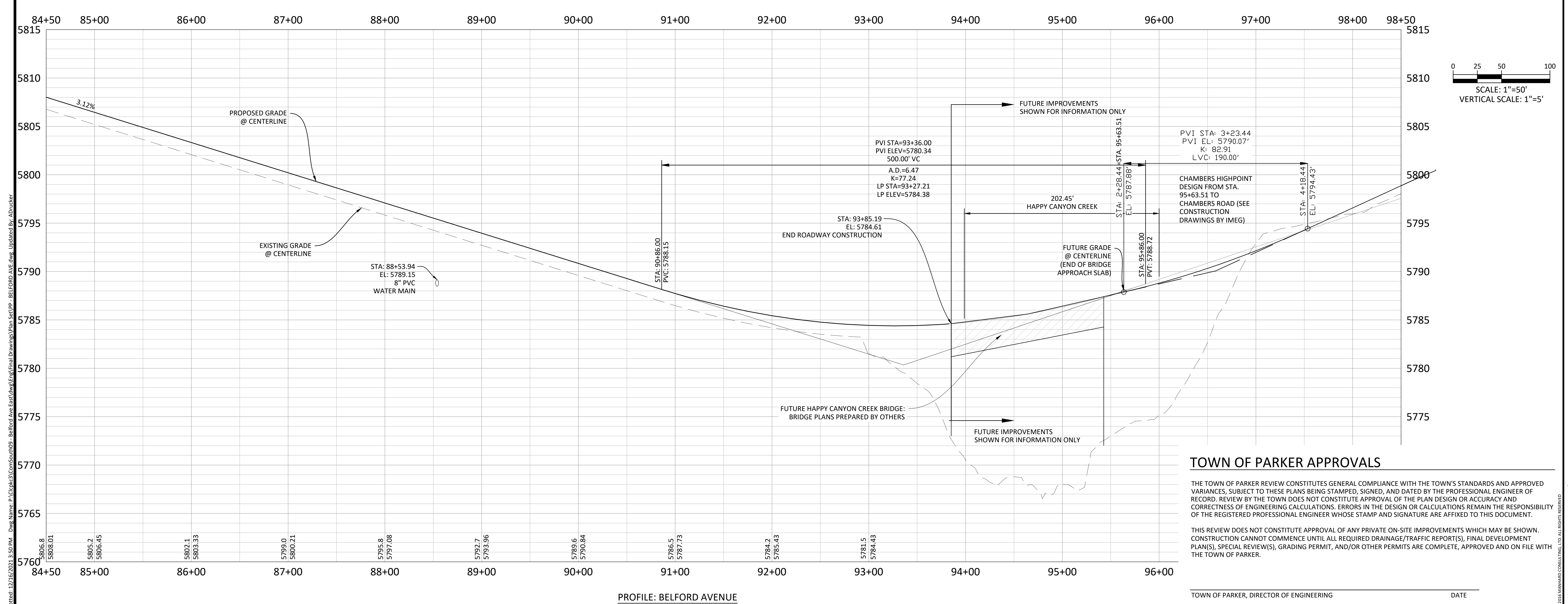


**SOURCE BENCHMARKS:**  
 DOUGLAS COUNTY BM 1.115010  
 A DOUGLAS COUNTY GIS MONUMENT SET IN CONCRETE LOCATED APPROXIMATELY 130 FEET  
 SOUTHWESTERLY OF THE CENTERLINE OF CHAMBERS ROAD AND 95 FEET NORTHWESTERLY OF  
 THE CENTERLINE OF COMPARK BOULEVARD. ELEVATION = 5752.84 (NAVD 88)

- NOTES:**
- 1) REFER TO GENERAL NOTES ON SHEET 2 FOR ALL APPLICABLE CONSTRUCTION STANDARDS
  - 2) ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED. REFER TO FINAL PLAT FOR RIGHT-OF-WAY AND CENTERLINE DIMENSIONS AND HORIZONTAL CONTROL.
  - 3) ALL ELEVATIONS ARE FL UNLESS OTHERWISE NOTED. TC INDICATES BACK OF WALK FOR COMBINATION CURB, GUTTER, AND WALK, OR TOP OF CURB FOR CURB AND GUTTER.
  - 4) REFER TO STONEGATE VILLAGE METRO DISTRICT APPROVED WATER AND SANITARY SEWER CONSTRUCTION PLANS FOR ALL PROPOSED WATER AND SANITARY SEWER LOCATIONS.
  - 5) TFI INDICATES TOP FRONT OF INLET ELEVATION. TFI ELEVATIONS SHOWN ON INLETS IN PLAN VIEW ARE AT FRONT CORNERS OF INLET. REFER TO SPECIFIC INLET DETAILS ON STORM SEWER PLAN AND PROFILE.
  - 3) REFER TO SHEET 28-30 FOR STREET AND CURB DETAILS. REFER TO SHEET 31-33 FOR STORM SEWER DETAILS.



**TOWN OF PARKER APPROVALS**

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

TOWN OF PARKER, DIRECTOR OF ENGINEERING \_\_\_\_\_ DATE \_\_\_\_\_

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DATE	REVISIONS
03/15/2021	1 SECOND SUBMITTAL - RESPOND TO TOP COMMENTS
06/18/2021	2 SECOND SUBMITTAL - RESPOND TO TOP COMMENTS
10/14/2021	3 APPROVED PLANS
12/16/2021	4 FINAL PLANS
12/16/2021	5 ADD BRIDGE DEPARTURE GUARDRAIL
12/16/2021	6 ADD BRIDGE DEPARTURE GUARDRAIL

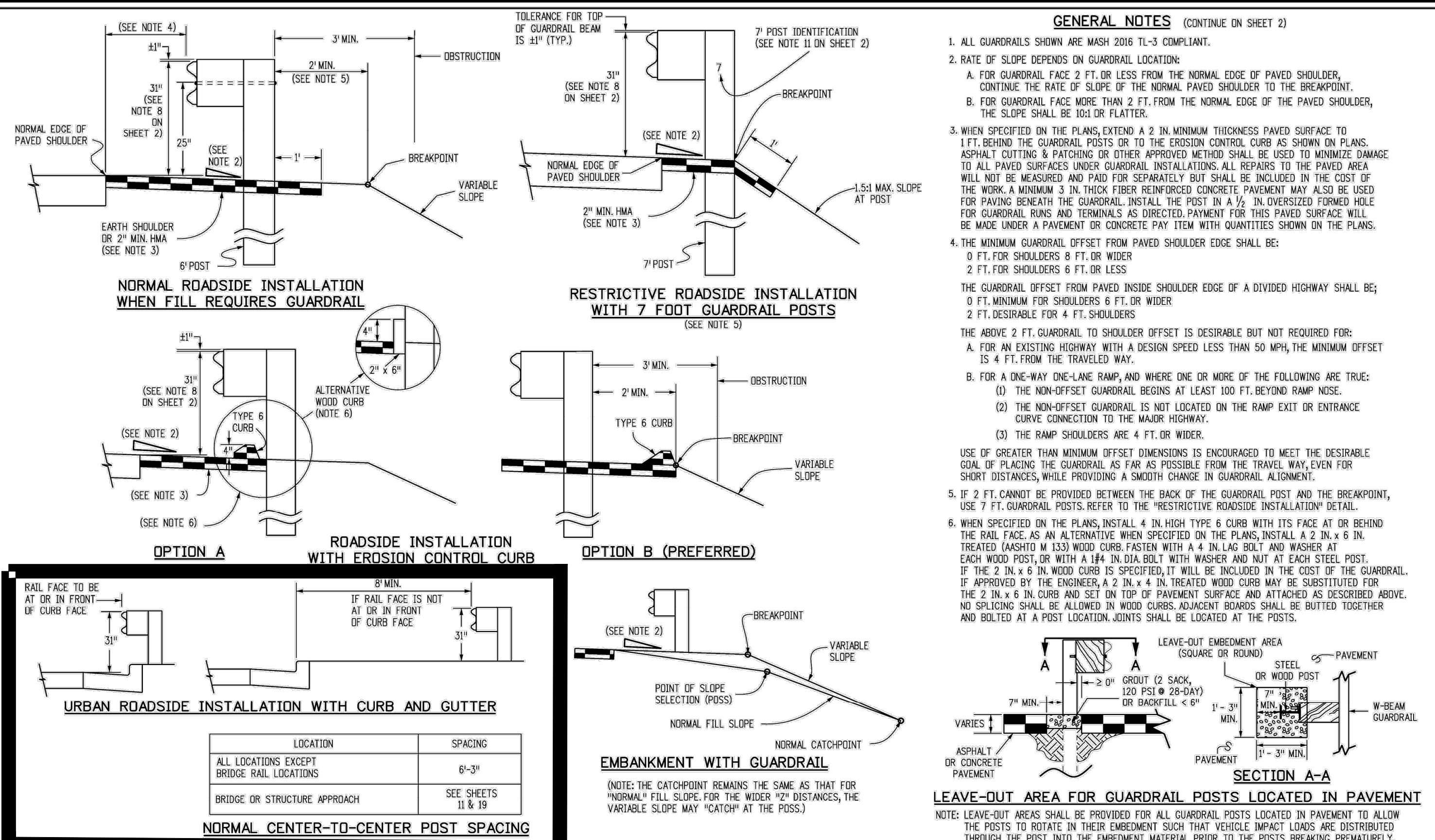
**COMPARK VILLAGE SOUTH, F1 - BELFORD AVE SITE PLAN AMD**  
**TOWN OF PARKER, COLORADO**  
**BELFORD AVENUE - PLAN & PROFILE**

PROJ. MGR.: GTT  
 PROJ. ASSOC.: ASD  
 DRAWN BY: JMP  
 DATE: 03/15/2021

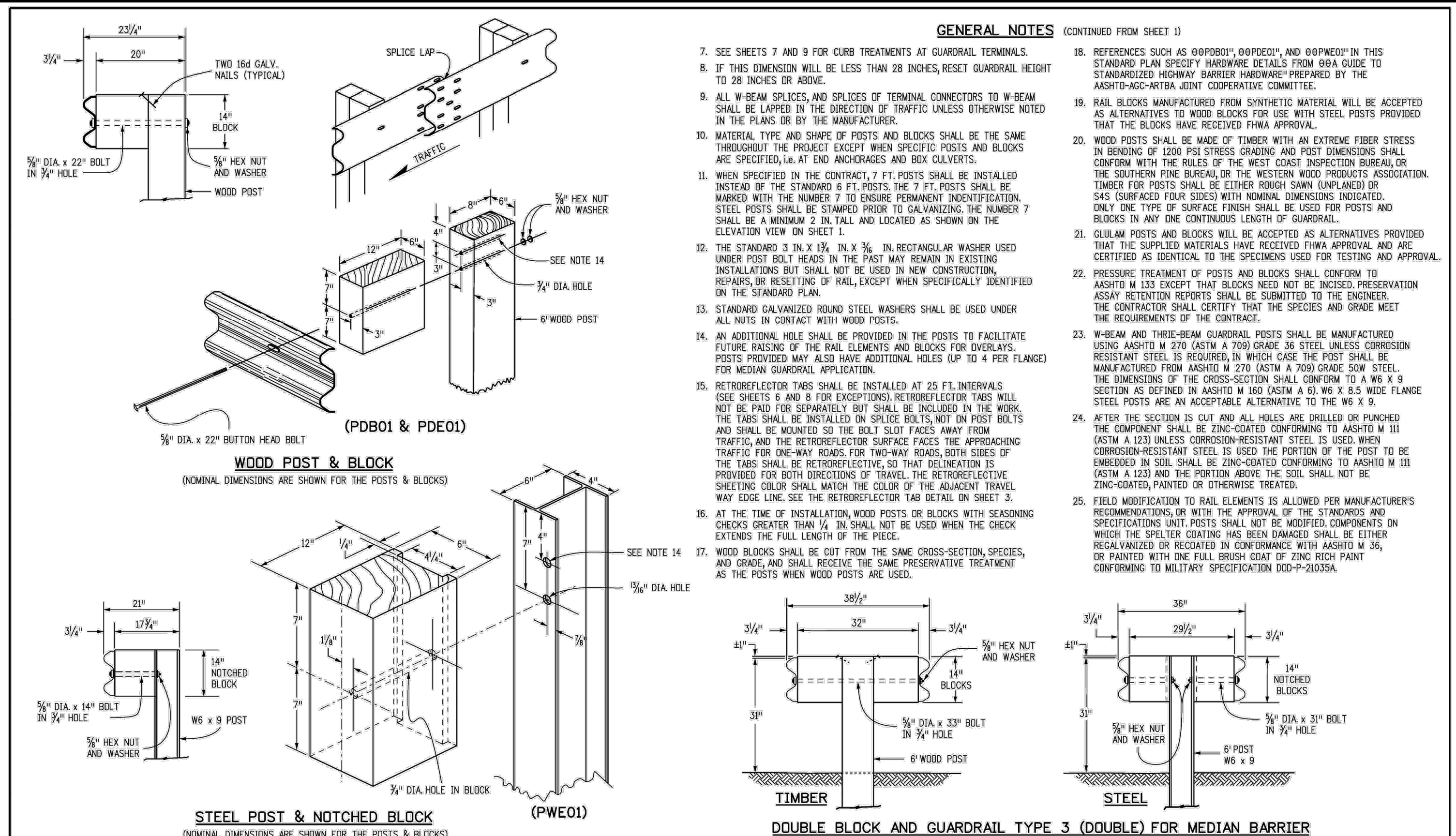
**PROFESSIONAL ENGINEER**  
 GARY T. HORN  
 REG. NO. 142

SHEET  
**7 OF 35**  
 CLCPK3

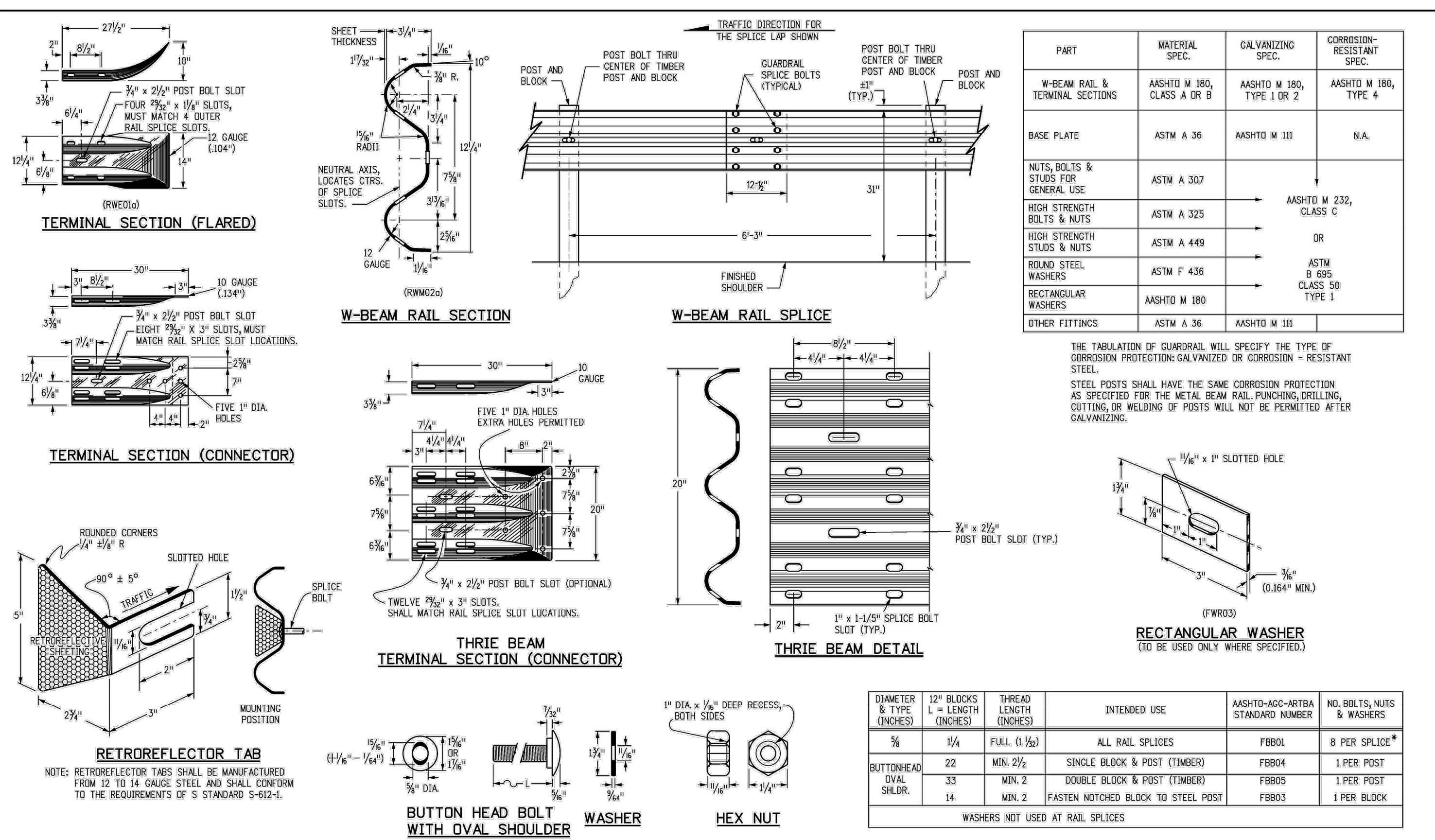
FOR REVIEW - NOT FOR CONSTRUCTION



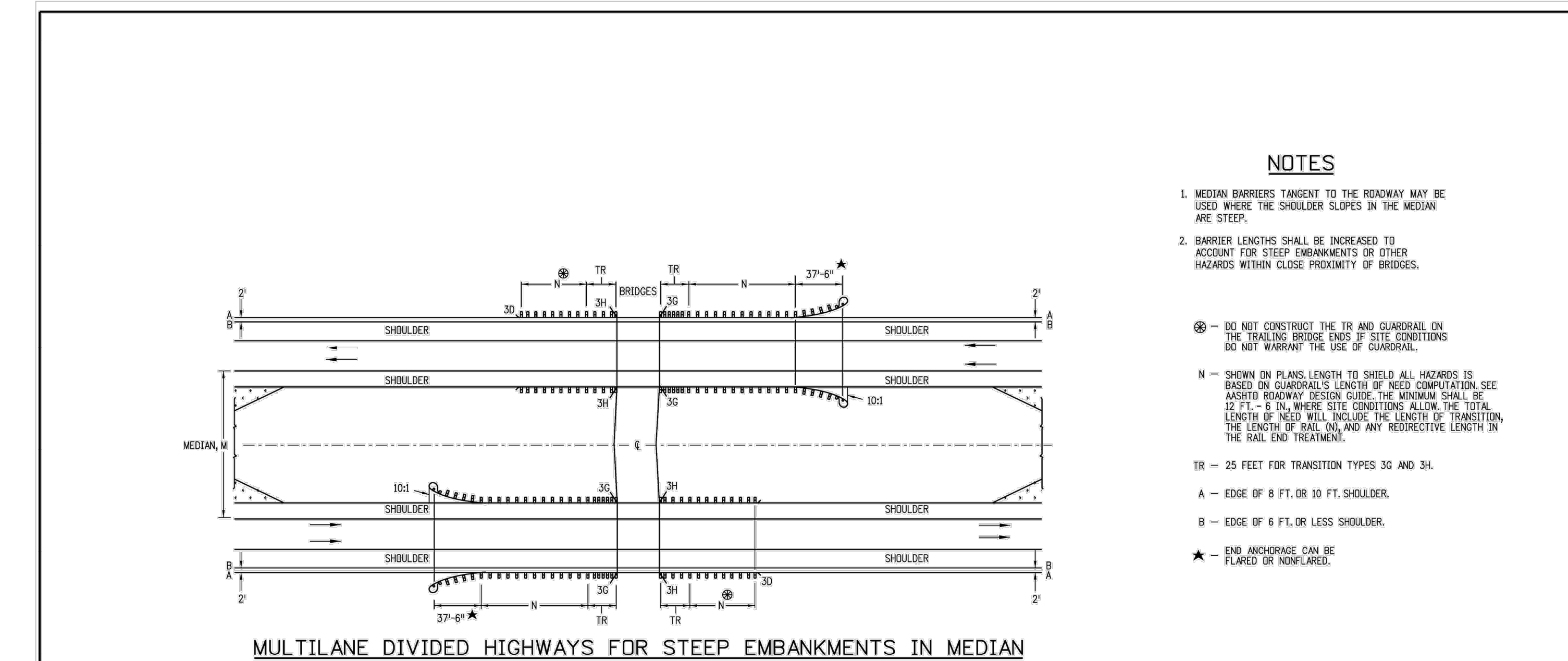
<b>Computer File Information</b>	<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES</b>	<b>STANDARD PLAN NO. M-606-1</b>
Creation Date: 07/31/19	Date: 03/05/20	2829 West Howard Place Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	Issued by the Project Development Branch July 31, 2019	Project Sheet No. 1 of 19
Designer Initials: JBK	Revised: See Note 1 to show MASH compliant	Project Development Branch	JBK	Project Sheet Number:



<b>Computer File Information</b>	<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES</b>	<b>STANDARD PLAN NO. M-606-1</b>
Creation Date: 07/31/19	Date: 03/05/20	2829 West Howard Place Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	Issued by the Project Development Branch July 31, 2019	Project Sheet No. 2 of 19
Designer Initials: JBK	Revised: See Note 1 to show MASH compliant	Project Development Branch	JBK	Project Sheet Number:



<b>Computer File Information</b>	<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES</b>	<b>STANDARD PLAN NO. M-606-1</b>
Creation Date: 07/31/19	Date: 03/05/20	2829 West Howard Place Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	Issued by the Project Development Branch July 31, 2019	Project Sheet No. 3 of 19
Designer Initials: JBK	Revised: See Note 1 to show MASH compliant	Project Development Branch	JBK	Project Sheet Number:



<b>Computer File Information</b>	<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES</b>	<b>STANDARD PLAN NO. M-606-1</b>
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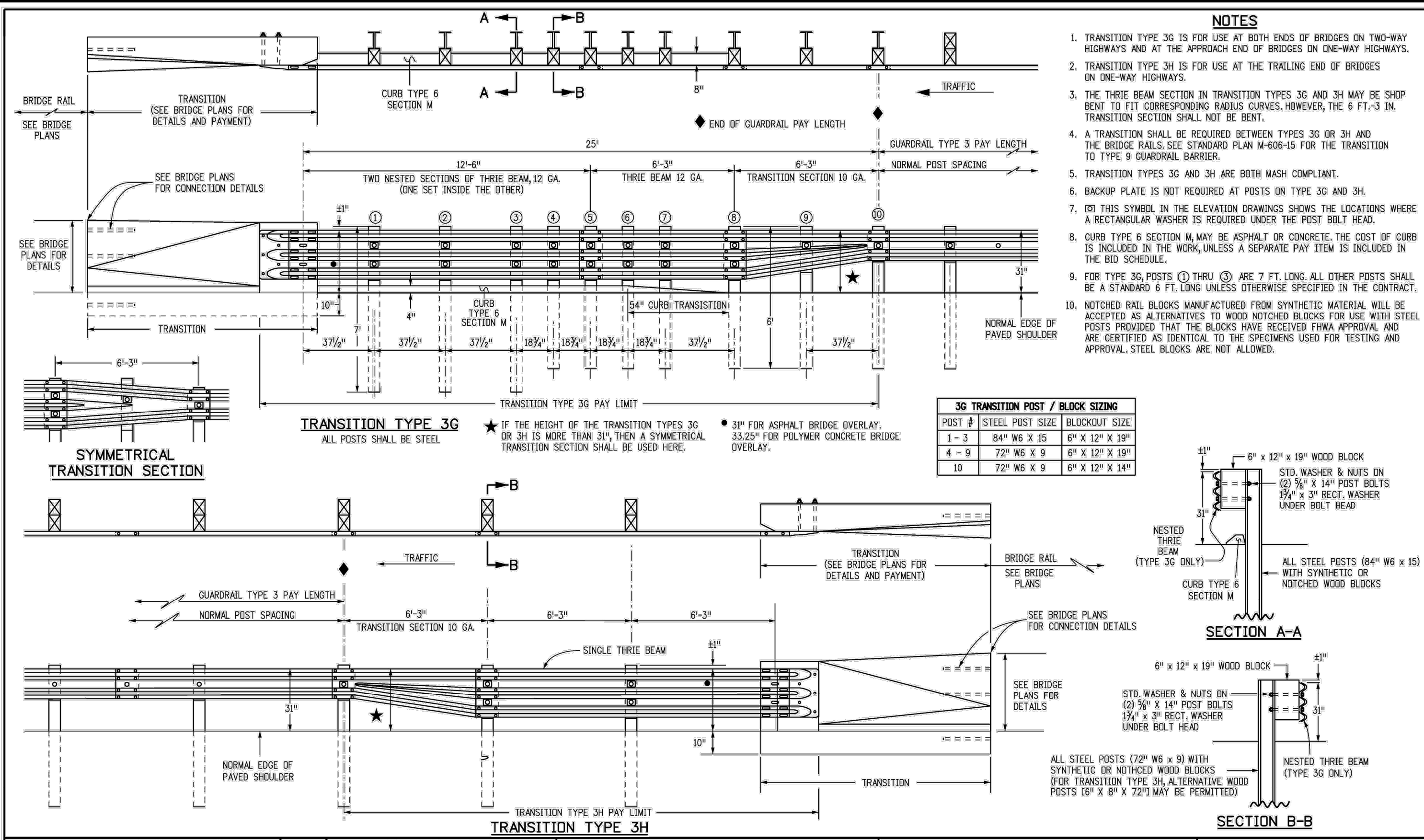
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**COMPARK VILLAGE SOUTH, F1 - BELFORD AVE SITE PLAN AMD**  
TOWN OF PARKER, COLORADO  
GUARDRAIL DETAILS

FOR REVIEW - NOT FOR CONSTRUCTION

PROJ. MGR.: GTI  
PROJ. ASSOC.: ASD  
DRAWN BY: JMK  
DATE: 03/15/2021

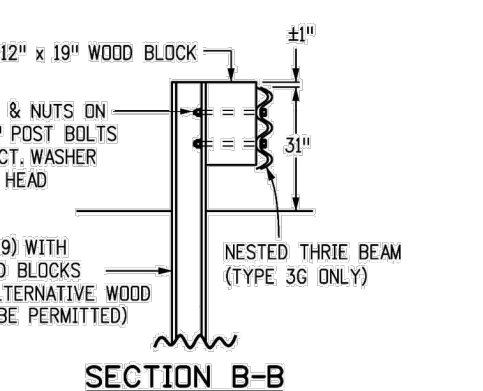
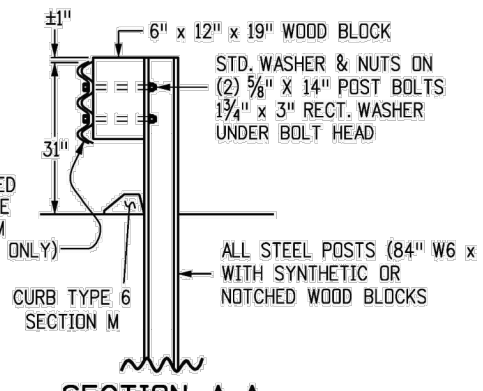
SHEET  
**34** OF **35**  
CLCPK3 CLCPK3



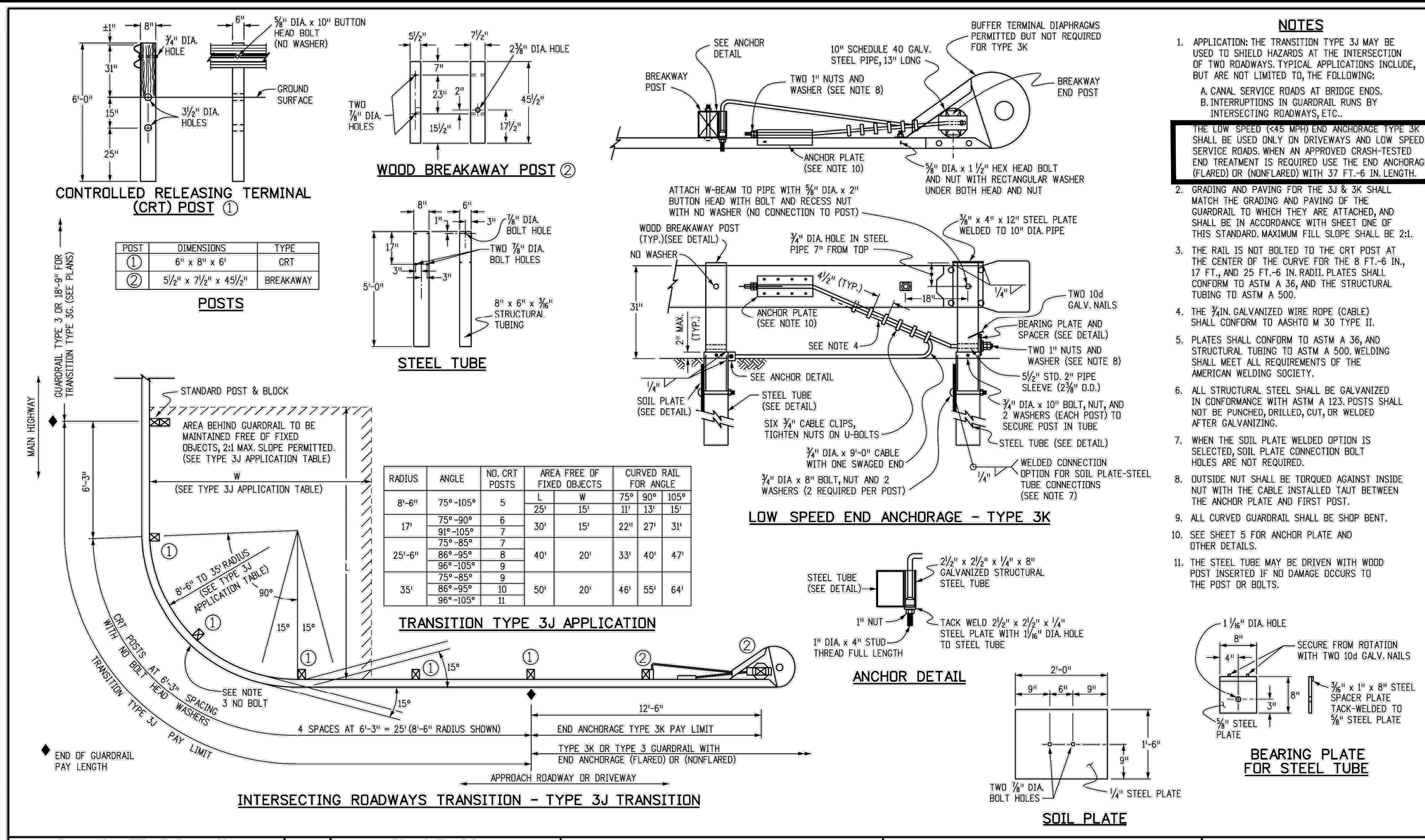
- NOTES**
- TRANSITION TYPE 3G IS FOR USE AT BOTH ENDS OF BRIDGES ON TWO-WAY HIGHWAYS AND AT THE APPROACH END OF BRIDGES ON ONE-WAY HIGHWAYS.
  - TRANSITION TYPE 3H IS FOR USE AT THE TRAILING END OF BRIDGES ON ONE-WAY HIGHWAYS.
  - THE THREE BEAM SECTION IN TRANSITION TYPES 3G AND 3H MAY BE SHOP BENT TO FIT CORRESPONDING RADIUS CURVES. HOWEVER, THE 6 FT.-3 IN. TRANSITION SECTION SHALL NOT BE BENT.
  - A TRANSITION SHALL BE REQUIRED BETWEEN TYPES 3G OR 3H AND THE BRIDGE RAILS. SEE STANDARD PLAN M-606-15 FOR THE TRANSITION TO TYPE 3 GUARDRAIL BARRIER.
  - TRANSITION TYPES 3G AND 3H ARE BOTH WASH COMPLIANT.
  - BACKUP PLATE IS NOT REQUIRED AT POSTS ON TYPE 3G AND 3H.
  - THIS SYMBOL IN THE ELEVATION DRAWINGS SHOWS THE LOCATIONS WHERE A RECTANGULAR WASHER IS REQUIRED UNDER THE POST BOLT HEAD.
  - CURB TYPE 6 SECTION M MAY BE ASPHALT OR CONCRETE. THE COST OF CURB IS INCLUDED IN THE WORK, UNLESS A SEPARATE PAY ITEM IS INCLUDED IN THE BID SCHEDULE.
  - FOR TYPE 3G, POSTS (1) THRU (3) ARE 7 FT. LONG. ALL OTHER POSTS SHALL BE A STANDARD 6 FT. LONG UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.
  - NOTCHED RAIL BLOCKS MANUFACTURED FROM SYNTHETIC MATERIAL WILL BE ACCEPTED AS ALTERNATIVES TO WOOD NOTCHED BLOCKS FOR USE, WITH STEEL POSTS PROVIDED THAT THE BLOCKS HAVE RECEIVED FHWA APPROVAL, AND ARE CERTIFIED AS IDENTICAL TO THE SPECIMENS USED FOR TESTING AND APPROVAL. STEEL BLOCKS ARE NOT ALLOWED.

**3G TRANSITION POST / BLOCK SIZING**

POST #	STEEL POST SIZE	BLOCKOUT SIZE
1 - 3	84" WS X 15	6" X 12" X 19"
4 - 9	72" WS X 9	6" X 12" X 19"
10	72" WS X 9	6" X 12" X 14"

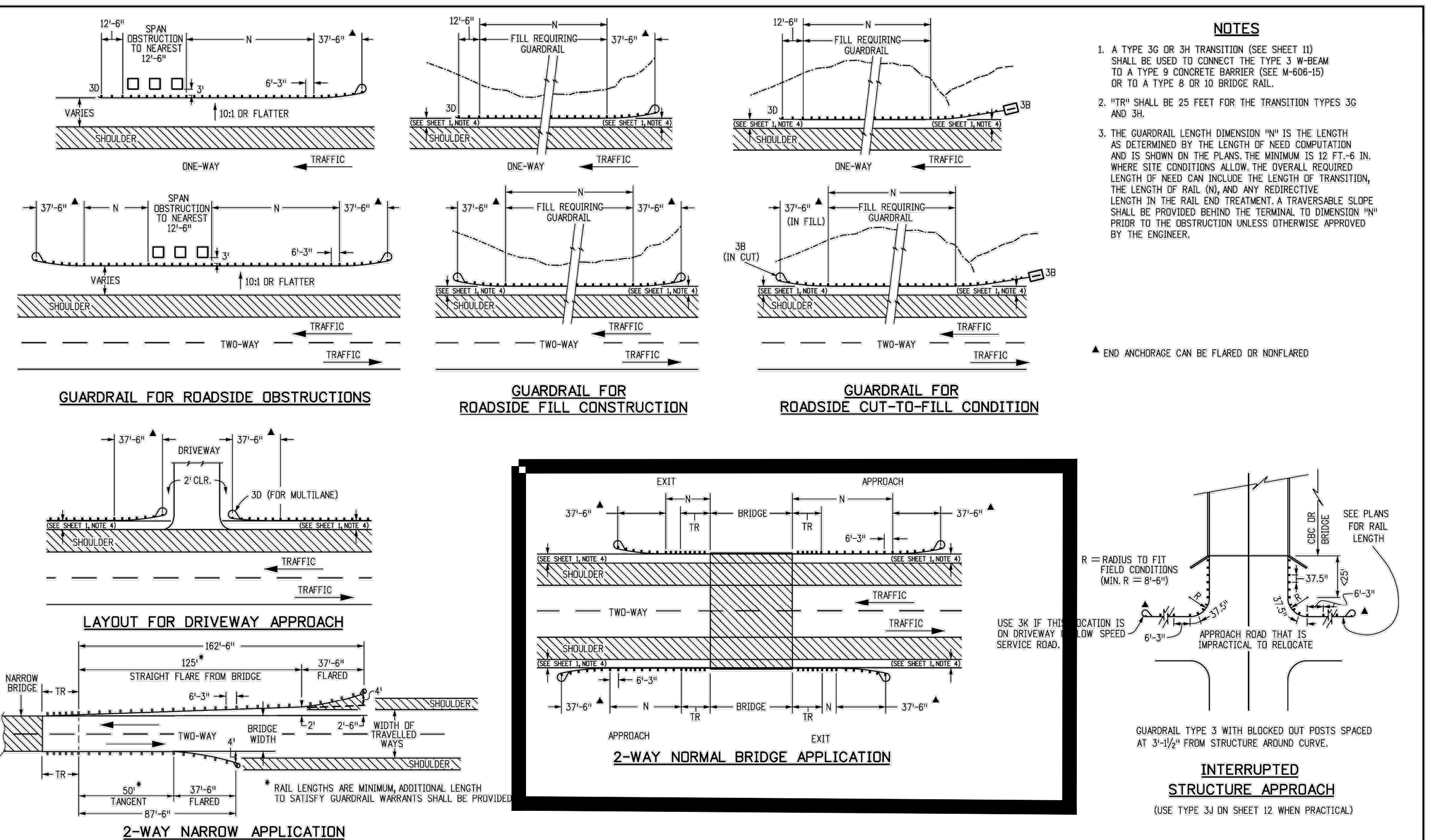


<b>Computer File Information</b>	<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES</b>	<b>STANDARD PLAN NO. M-606-1</b>
Creation Date: 07/31/19	Date: 03/05/20	2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	Standard Sheet No. 11 of 19	Standard Sheet No. 11 of 19
Designer Initials: JBK	Comments: Revised transition sections to use the "bridge frame" and altered the location of the wood block.	<b>Project Development Branch</b> JBK	Issued by the Project Development Branch: July 31, 2019	Project Sheet Number:
Last Modification Date: 03/05/20				
Detailer Initials: LTA				
CAD Ver: MicroStation V8 Scale: Not to Scale Units: English				



- NOTES**
- APPLICATION OF THE TRANSITION TYPE 3J MAY BE USED TO SHIELD HAZARDS AT THE INTERSECTION OF TWO ROADWAYS. TYPICAL APPLICATIONS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:  
A. CANAL SERVICE ROADS AT BRIDGE ENDS.  
B. INTERSECTIONS IN GUARDRAIL RUNS BY INTERSECTING ROADWAYS, ETC.
  - THE LOW SPEED (CAS WITH END ANCHORAGE TYPE 3K) SHALL BE USED ON DRIVEWAYS AND LOW SPEED SERVICE ROADS WHEN AN APPROVED CRASH-TESTED END TREATMENT IS REQUIRED. USE THE END ANCHORAGE FLARED OR NONFLARED WITH 37 FT.-6 IN. LENGTH.
  - GRADING AND PAVING FOR THE 3J & 3K SHALL MATCH THE GRADING AND PAVING OF THE GUARDRAIL TO WHICH THEY ARE ATTACHED, AND SHALL BE IN ACCORDANCE WITH SHEET ONE OF THIS STANDARD. MAXIMUM FILL SLOPE SHALL BE 2:1.
  - THE RAIL IS NOT BOLTED TO THE CRT POST AT THE CENTER OF THE CURVE FOR THE 8 FT.-6 IN., 17 FT., AND 25 FT.-6 IN. RAIL PLATES SHALL CONFORM TO ASTM A 36, AND THE STRUCTURAL TUBING TO ASTM A 500.
  - THE 1/2 IN. GALVANIZED WIRE ROPE (CABLE) SHALL CONFORM TO ASTM M 30 TYPE II.
  - PLATES SHALL CONFORM TO ASTM A 36, AND STRUCTURAL TUBING TO ASTM A 500, WELDING SHALL MEET ALL REQUIREMENTS OF THE AMERICAN WELDING SOCIETY.
  - ALL STRUCTURAL STEEL SHALL BE GALVANIZED IN CONFORMANCE WITH ASTM A 123. POSTS SHALL NOT BE PUNCHED, DRILLED, CUT, OR WELDED AFTER GALVANIZING.
  - WHEN THE SOIL PLATE WELDED OPTION IS SELECTED, SOIL PLATE CONNECTION BOLT HOLES ARE NOT REQUIRED.
  - OUTSIDE NUT SHALL BE TORQUED AGAINST INSIDE NUT WITH THE CABLE INSTALLED TAUT BETWEEN THE ANCHOR PLATE AND FIRST POST.
  - ALL CURVED GUARDRAIL SHALL BE SHOP BENT.
  - SEE SHEET 5 FOR ANCHOR PLATE AND OTHER DETAILS.
  - THE STEEL TUBE MAY BE DRIVEN WITH WOOD POST INSERTED IF NO DAMAGE OCCURS TO THE POST OR BOLTS.

<b>Computer File Information</b>	<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES</b>	<b>STANDARD PLAN NO. M-606-1</b>
Creation Date: 07/31/19	Date: 03/05/20	2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	Standard Sheet No. 12 of 19	Standard Sheet No. 12 of 19
Designer Initials: JBK	Comments: Revised transition sections to use the "bridge frame" and altered the location of the wood block.	<b>Project Development Branch</b> JBK	Issued by the Project Development Branch: July 31, 2019	Project Sheet Number:
Last Modification Date: 03/05/20				
Detailer Initials: LTA				
CAD Ver: MicroStation V8 Scale: Not to Scale Units: English				



<b>Computer File Information</b>	<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES</b>	<b>STANDARD PLAN NO. M-606-1</b>
Creation Date: 07/31/19	Date: 03/05/20	2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	Standard Sheet No. 17 of 19	Standard Sheet No. 17 of 19
Designer Initials: JBK	Comments: Revised transition sections to use the "bridge frame" and altered the location of the wood block.	<b>Project Development Branch</b> JBK	Issued by the Project Development Branch: July 31, 2019	Project Sheet Number:
Last Modification Date: 03/05/20				
Detailer Initials: LTA				
CAD Ver: MicroStation V8 Scale: Not to Scale Units: English				

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 REVISIONS: \_\_\_\_\_

DATE: \_\_\_\_\_

PROJ. MGR.: GTI  
 PROJ. ASSOC.: ASD  
 DRAWN BY: JMP  
 DATE: 03/15/2021

SHEET  
**35** OF **35**  
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COMPARK VILLAGE SOUTH, F1 - BELFORD AVE SITE PLAN AMD

TOWN OF PARKER, COLORADO

GUARDRAIL DETAILS

FOR REVIEW - NOT FOR CONSTRUCTION