

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" OR LABELED CONTINGENCY UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

THE PROPOSED PAVEMENT RESURFACING SHALL FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT (AS SHOWN ON THE TYPICAL SECTIONS).

BASE LINE OF CONSTRUCTION

THE BASE LINE OF CONSTRUCTION ON TYLERSVILLE ROAD FROM STA. 11+77.49 TO STA. 16+79.04 SHALL BE LAID OUT PER THE SCHEMATIC PLAN ALL OTHER CONSTRUCTION BASE LINES LABELED ON THESE PLANS ARE AN ASSUMED CENTER LINE OF THE EXISTING ROADWAY. STATIONING IS ADDED TO AID IN CONSTRUCTION LAYOUT.

SURVEY PARAMETERS

USE THE FOLLOWING VERTICAL POSITIONING AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(CORS96)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE SOUTH ZONE
COMBINED SCALE FACTOR: 1.000036015

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

DUKE ENERGY - ELECTRIC BUTLER CO. ENGINEER'S OFFICE
2010 DANA AVENUE 1921 FAIRGROVE AVENUE
CINCINNATI, OHIO 45207 HAMILTON, OHIO 45011
AARON WRIGHT (513) 867-5744
(513) 458-3856

CINCINNATI BELL TELEPHONE WARREN CO. ENGINEER'S OFFICE
221 EAST 4TH STREET 210 WEST MAIN STREET
BLDG. 121-900 LEBANON, OHIO 45036
CINCINNATI, OHIO 45201 NEIL TUNISON
ROADPROJECTS@CINBELL.COM (513) 695-3301

DUKE ENERGY - GAS
139 EAST 4TH STREET
ROOM 460A
CINCINNATI, OHIO 45202
OH/KYHOUSEBILL@
DUKE-ENERGY.COM

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

THE UNDERGROUND UTILITIES HAVE BEEN LOCATED BY FILED CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THERE IS NO GUARANTEE TO THEIR ACCURACY OR COMPLETENESS.

ITEM 621, RAISED PAVEMENT MARKER REMOVED

THIS WORK SHALL CONSIST OF REMOVING RAISED PAVEMENT MARKERS PER ODOT CMS 621. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK:

ITEM 621, RAISED PAVEMENT MARKER REMOVED 65 EA

ITEM 621, RPM

CONTRACTOR SHALL INSTALL RPMs PER SCD TC-65.10 AND TC-65.11

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 69 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

EXPRESS PROCESSING CENTER
THE FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
AIR TRAFFIC AIRSPACE BRANCH ASW-520
2601 MEACHAM BLVD.
FORT WORTH, TX 76137-4298

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235-2786
614-387-2358

TYPE MGS GUARDRAIL

TO AVOID UTILITY OR OTHER UNDERGROUND CONFLICTS THE CONTRACTOR MAY LEAVE OUT ONE GUARDRAIL POST AT A SPECIFIC LOCATION WITHIN A STANDARD RUN OF MGS GUARDRAIL. FIFTY FEET OF GUARDRAIL (WHICH MAY INCLUDE THE ANCHOR) SHOULD BE AVAILABLE BOTH UPSTREAM AND DOWNSTREAM OF THE OMITTED POST TO MAINTAIN TENSION AND STRENGTH IN THE SYSTEM.

INTERIM DATE REQUIREMENTS

THE PROJECT HAS AN INTERIM START DATE OF JULY 1, 2020. THE CONTRACTOR IS NOT PERMITTED TO BEGIN WORK UNTIL ON OR AFTER THE INTERIM START DATE DUE TO AN ADJACENT PROJECT ON TYLERSVILLE ROAD ADMINISTERED BY THE BUTLER COUNTY ENGINEER'S OFFICE.

THE PROJECT HAS AN INTERIM COMPLETION DATE OF OCTOBER 31, 2020. ON OR BEFORE THE INTERIM COMPLETION DATE, THE CONTRACTOR SHALL COMPLETE ALL PHASE 1 AND PHASE 2 WORK, THE ROADWAY SHALL BE PLACED IN THE FINAL CONDITION, ALL WORK ZONE PAVEMENT MARKINGS IN PLACE AND OPEN TO TRAFFIC.

THE CONTRACT WILL BE SUBJECT TO DAILY DISINCENTIVES FOR FAILURE TO COMPLETE ALL THE REQUIRED WORK, AND ASSOCIATED INCIDENTALS RELATED TO THE WORK, AS OUTLINED IN THE TABLE INCLUDED IN THIS NOTE. APPLICATION OF THE DISINCENTIVES WILL BE BASED ON THE OVERALL CONTRACT AMOUNT. DAILY DISINCENTIVES ARE APPLICABLE TO THE WORK REQUIRED TO THE INTERIM COMPLETION DATE ONLY. THE CONTRACT IS STILL SUBJECT TO LIQUIDATED DAMAGES AS OUTLINED IN CMS 108.07 FOR THE REMAINDER OF THE CONTRACT.

DISINCENTIVE CONTRACT TABLE			
DESCRIPTION OR LOCATION OF CRITICAL WORK	INTERIM COMPLETION DATE	TIME PERIOD	DISINCENTIVE \$ PER TIME PERIOD
START OF CONTRACT WORK	7/01/2020	DAY	\$2,500
COMPLETE PHASES 1 & 2	10/31/2020	DAY	\$2,500

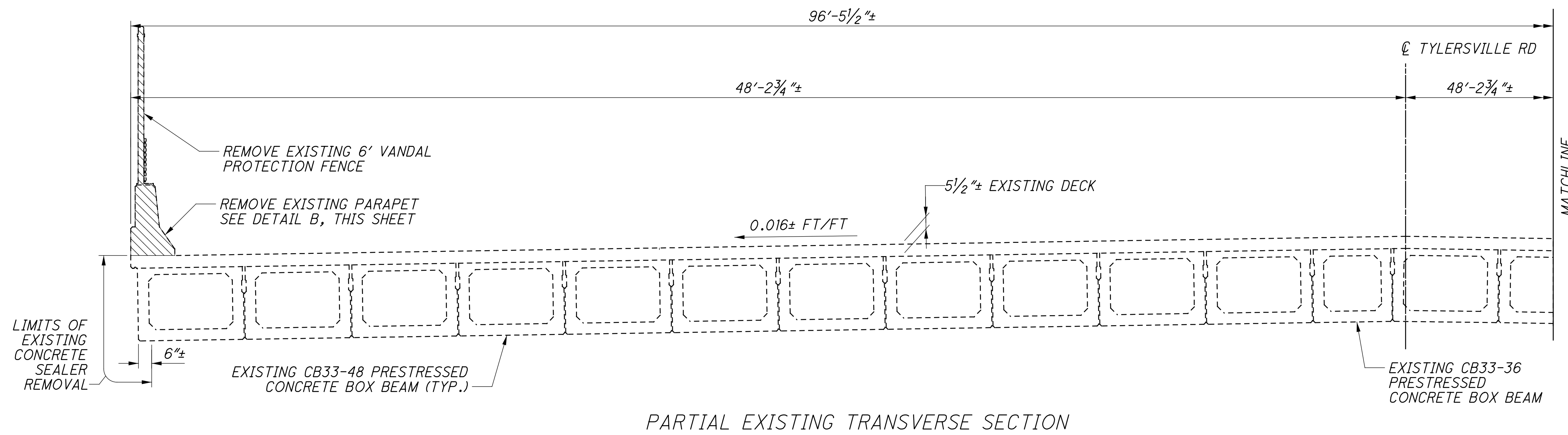
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CALCULATED
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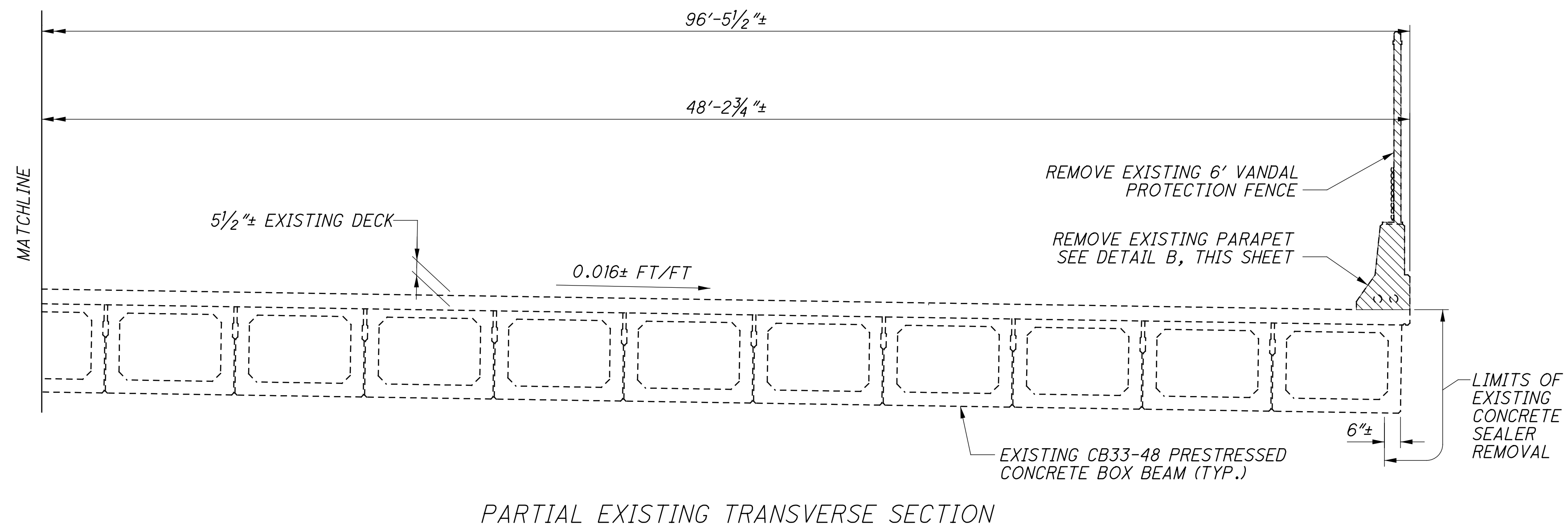
GENERAL NOTES

BUT - IR75 - 5.35

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PARTIAL EXISTING TRANSVERSE SECTION



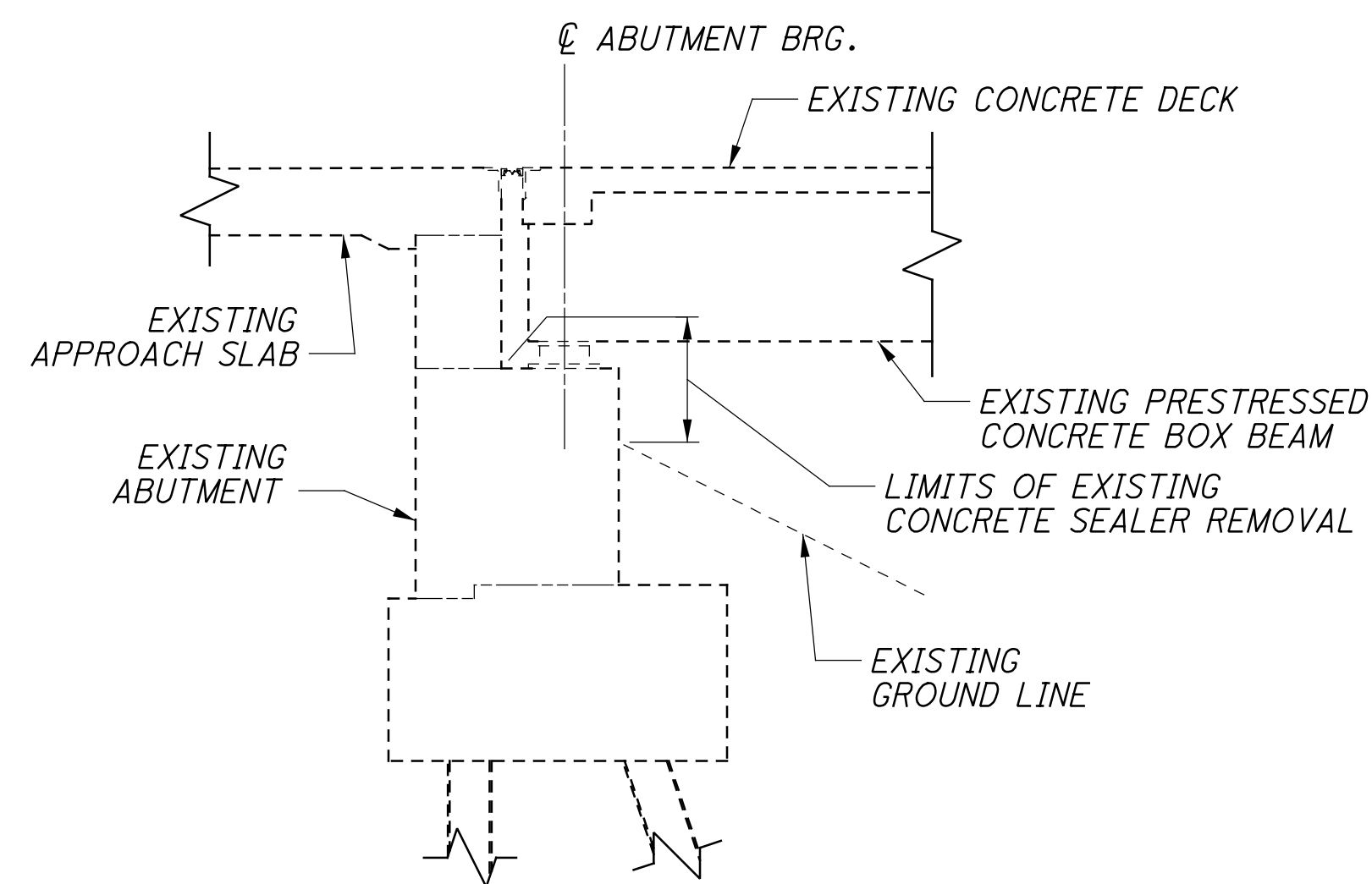
PARTIAL EXISTING TRANSVERSE SECTION

LEGEND:

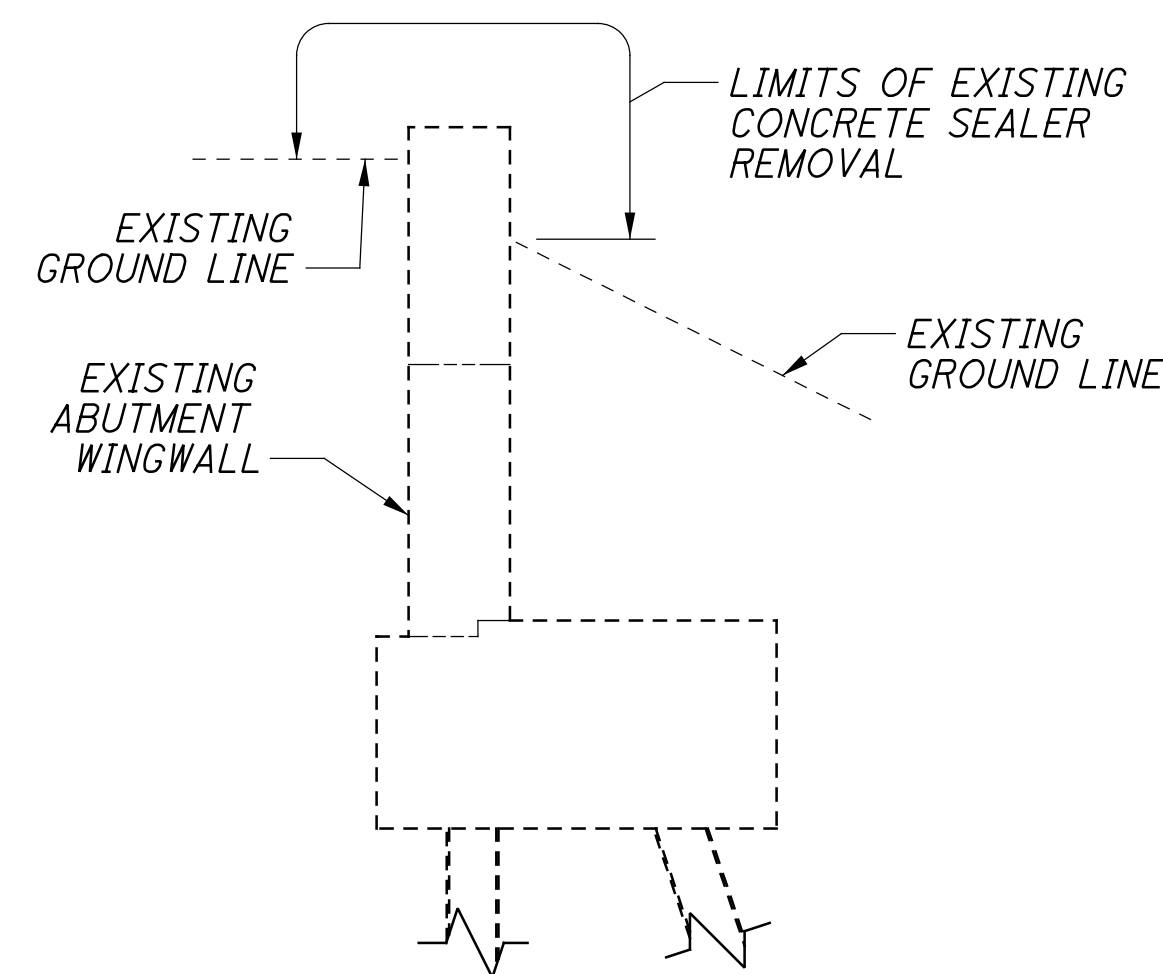
ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN

NOTE:

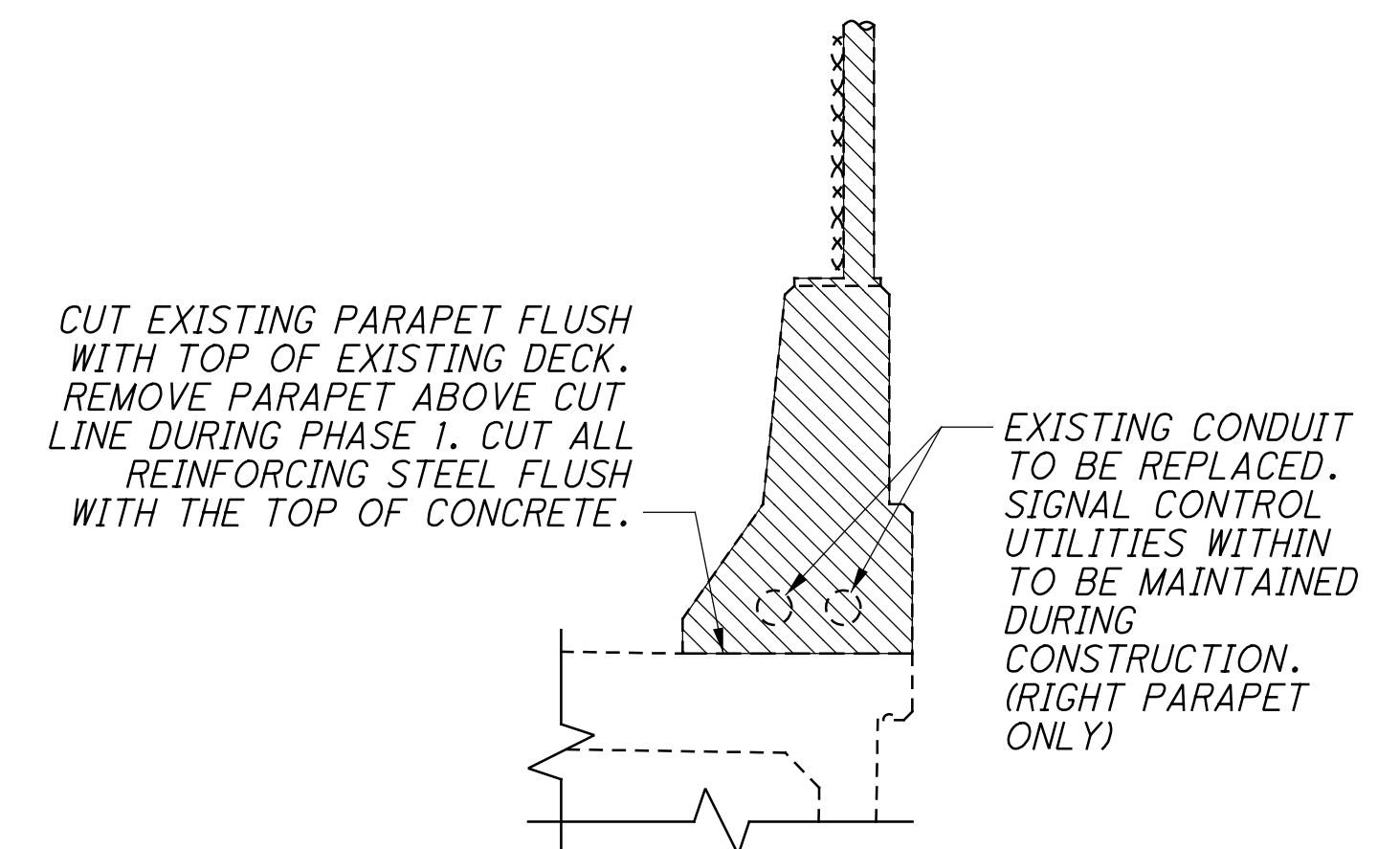
1. IN ADDITION TO THE DETAILS SHOWN ON THIS SHEET, THE EXISTING STRIP SEAL GLANDS, THE EXISTING APPROACH SLAB PARAPETS AND THE EXISTING 6" APPROACH SLAB CURBS SHALL ALSO BE REMOVED.



TYPICAL EXISTING ABUTMENT SECTION



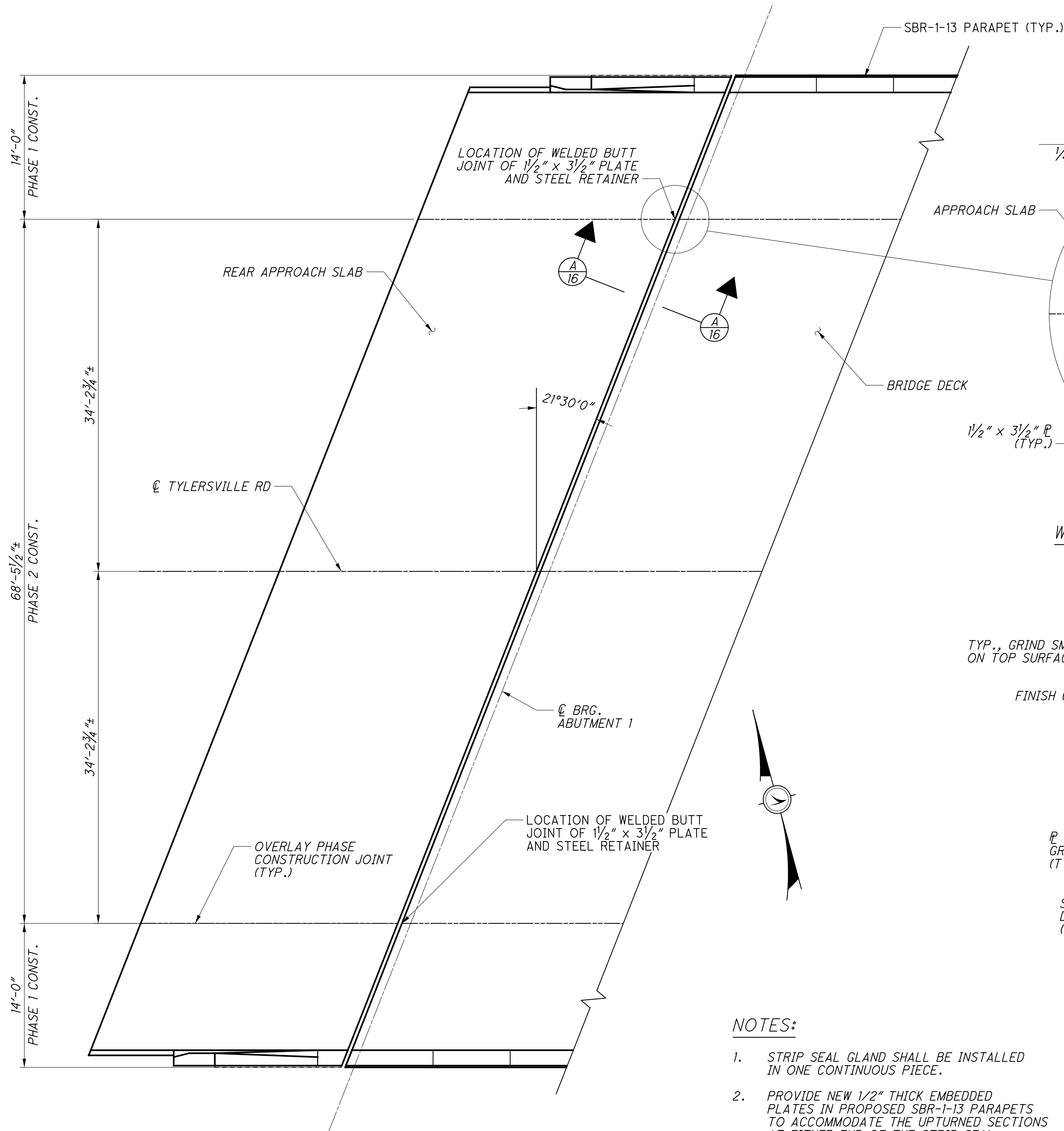
TYPICAL EXISTING ABUTMENT WINGWALL SECTION



DETAIL B

(RIGHT PARAPET SHOWN, LEFT PARAPET SIMILAR)

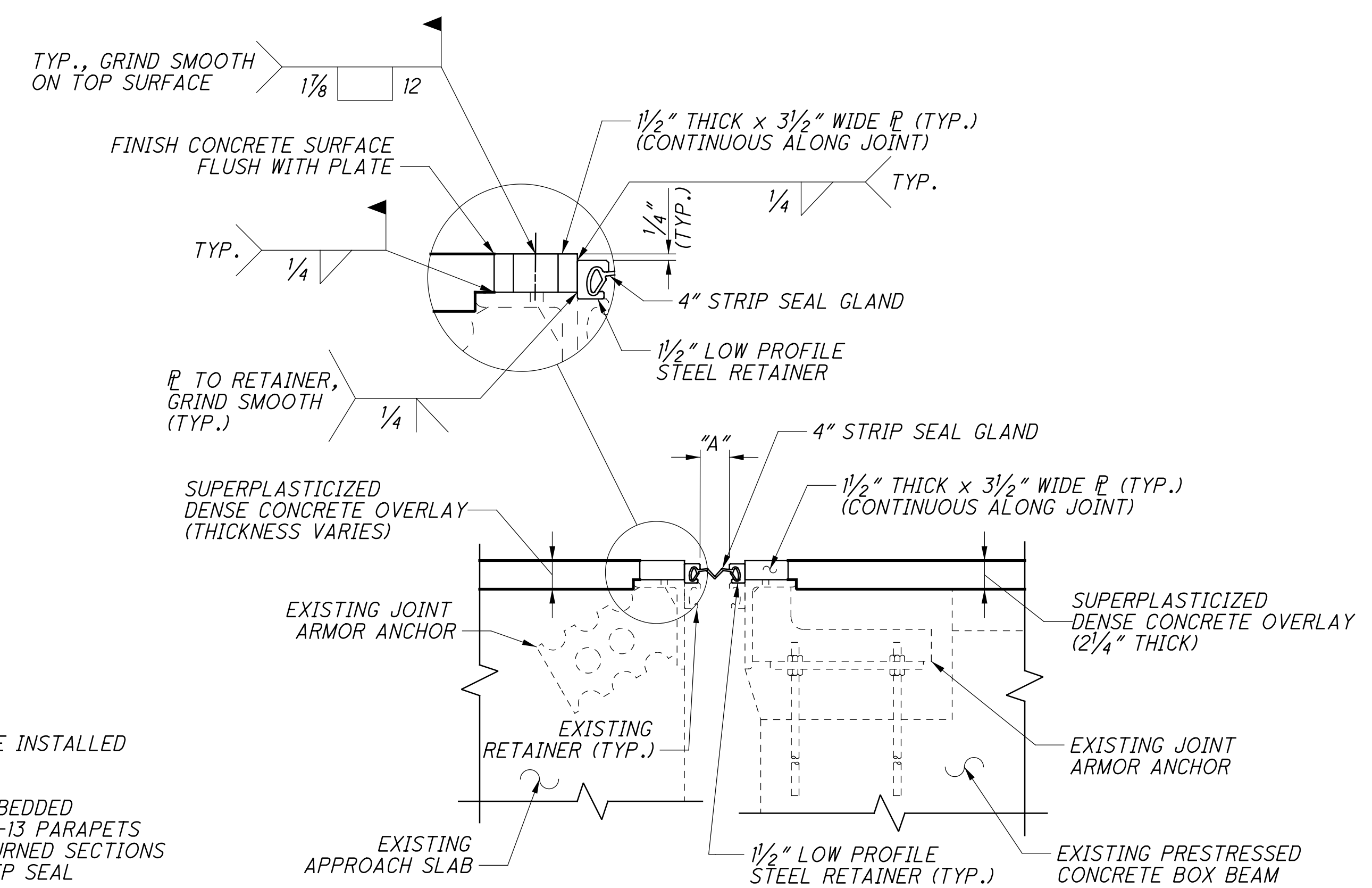
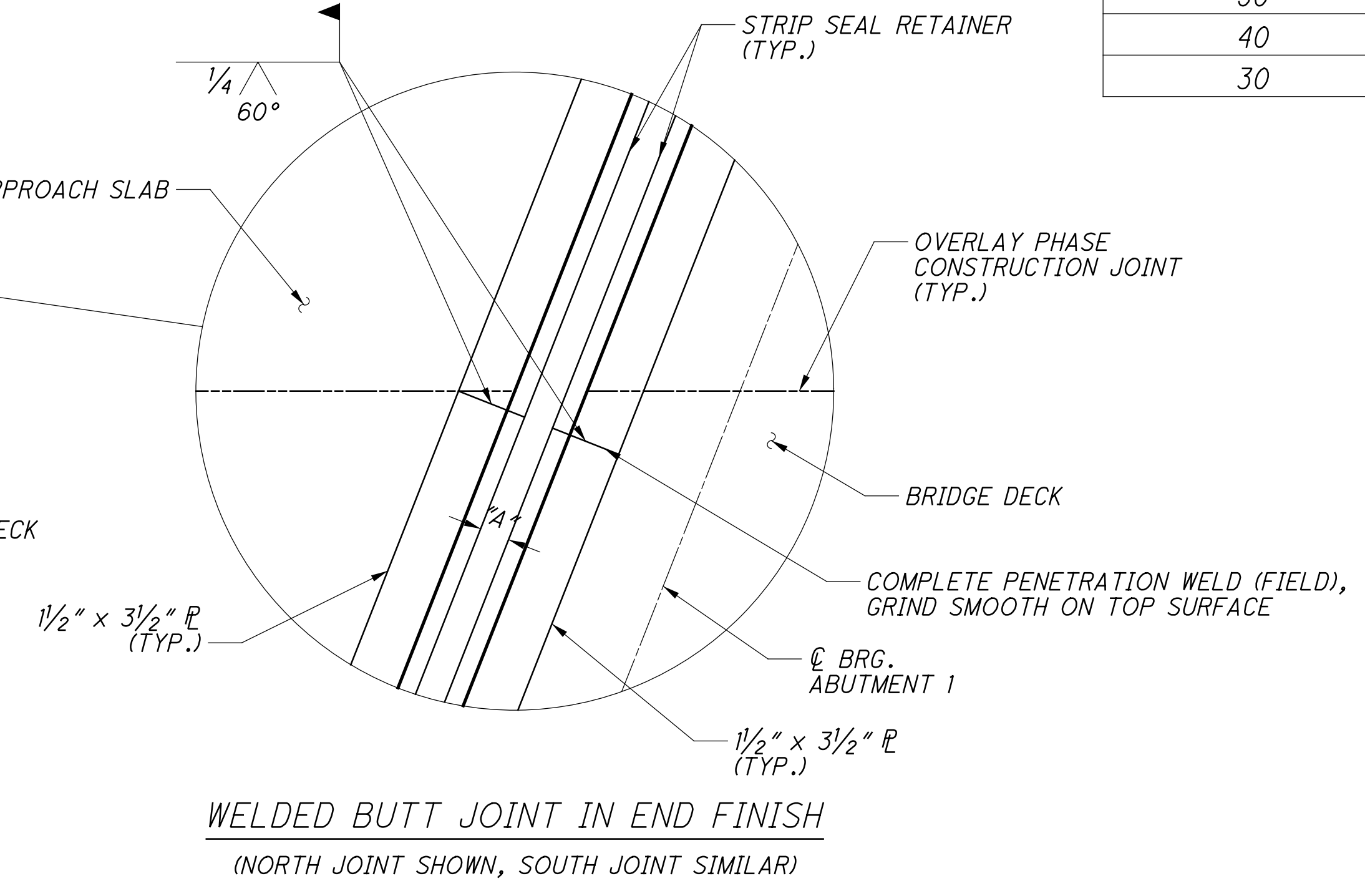
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PLAN VIEW OF REPLACEMENT STRIP SEAL EXPANSION JOINT
(ABUTMENT 1 JOINT SHOWN, ABUTMENT 2 JOINT SIMILAR)

- NOTES:**
1. STRIP SEAL GLAND SHALL BE INSTALLED IN ONE CONTINUOUS PIECE.
 2. PROVIDE NEW 1/2" THICK EMBEDDED PLATES IN PROPOSED SBR-1-13 PARAPETS TO ACCOMMODATE THE UPTURNED SECTIONS AT EITHER END OF THE STRIP SEAL EXPANSION JOINTS.
 3. FOR ADDITIONAL NOTES AND DETAILS, SEE ODOT STD. DWG. EXJ-5-93.

DIMENSION "A"	
PEAK AMBIENT TEMPERATURE °F	ABUTMENT 1 & 2
90	1 5/8"
80	1 3/4"
70	1 7/8"
60	2"
50	2 1/8"
40	2 1/4"
30	2 3/8"



A/16 EXPANSION JOINT RETROFIT DETAIL

THE KLEINGERS GROUP

DESIGN AGENCY

DATE: 8/28/19
REVIEWED: MEB
DRAWN: SPB
DESIGNED: SPB
CHECKED: JML

STRUCTURE FILE NUMBER: 0901733

EXPANSION JOINT RETROFIT DETAILS
BRIDGE NO. BUT-75-0535
TYLERSVILLE ROAD OVER IR-75

BUT-IR75-5.35
PID No. 100801

16 / 25

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