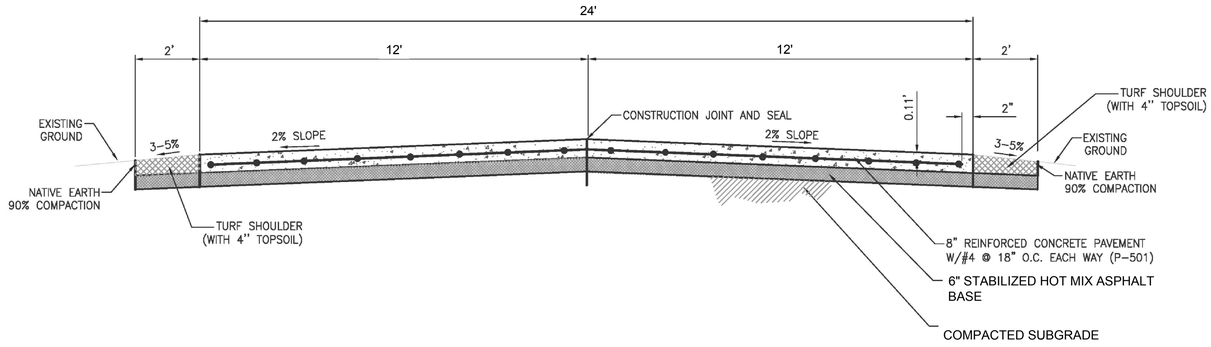
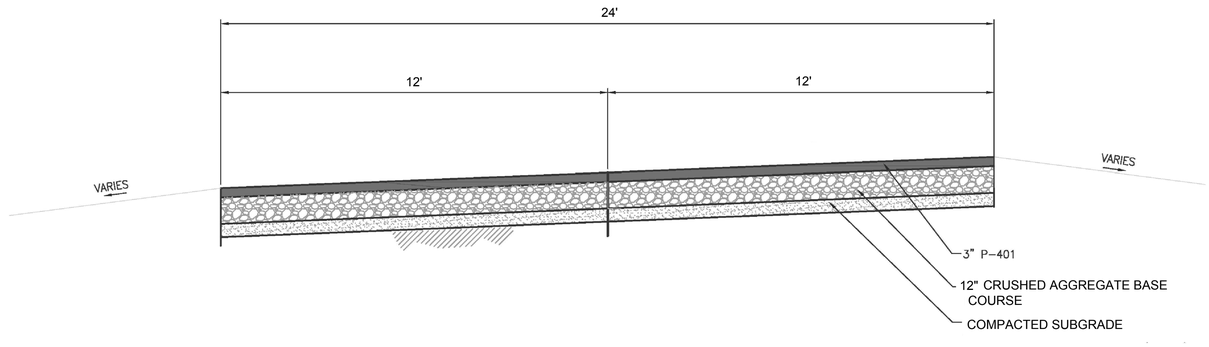
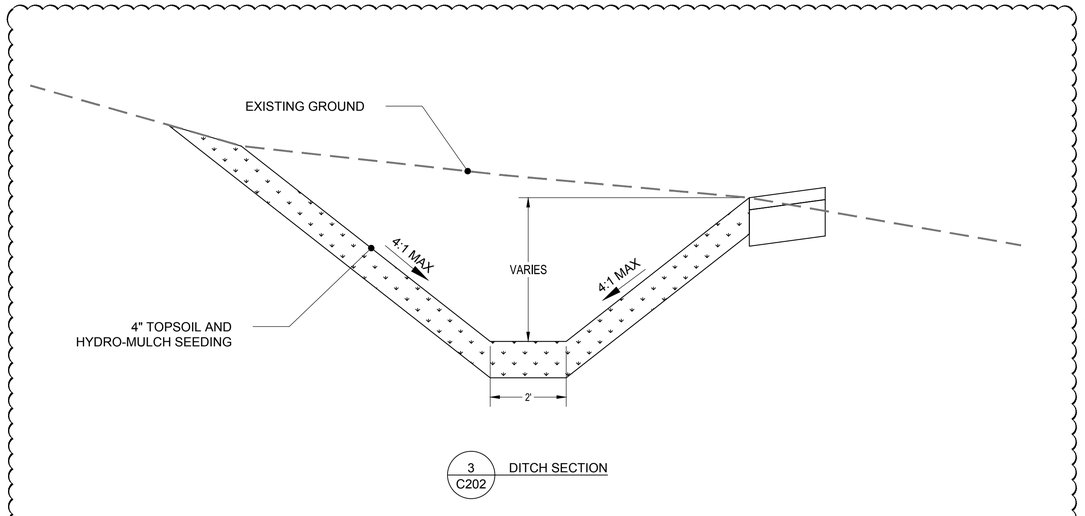



1 / C202 **TYPICAL PERIMETER ROAD SECTION**
SCALE: N.T.S.




2 / C202 **TYPICAL TEMPORARY PERIMETER ROAD SECTION**
SCALE: N.T.S.




3 / C202 DITCH SECTION

4

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**SAN ANTONIO**
**INTERNATIONAL AIRPORT**
**SAN ANTONIO, TEXAS**

**PERIMETER ROAD RECONSTRUCTION - PACKAGE 1**

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6-15-2016

**REVISIONS**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 3 | SHEET REISSUED | 6/14/16 |
| 4 | SHEET REISSUED | 6/17/16 |

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**DESIGNED BY:**

**AEP PROJECT NUMBER**
**000-0000-000**

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**SHEET TITLE**

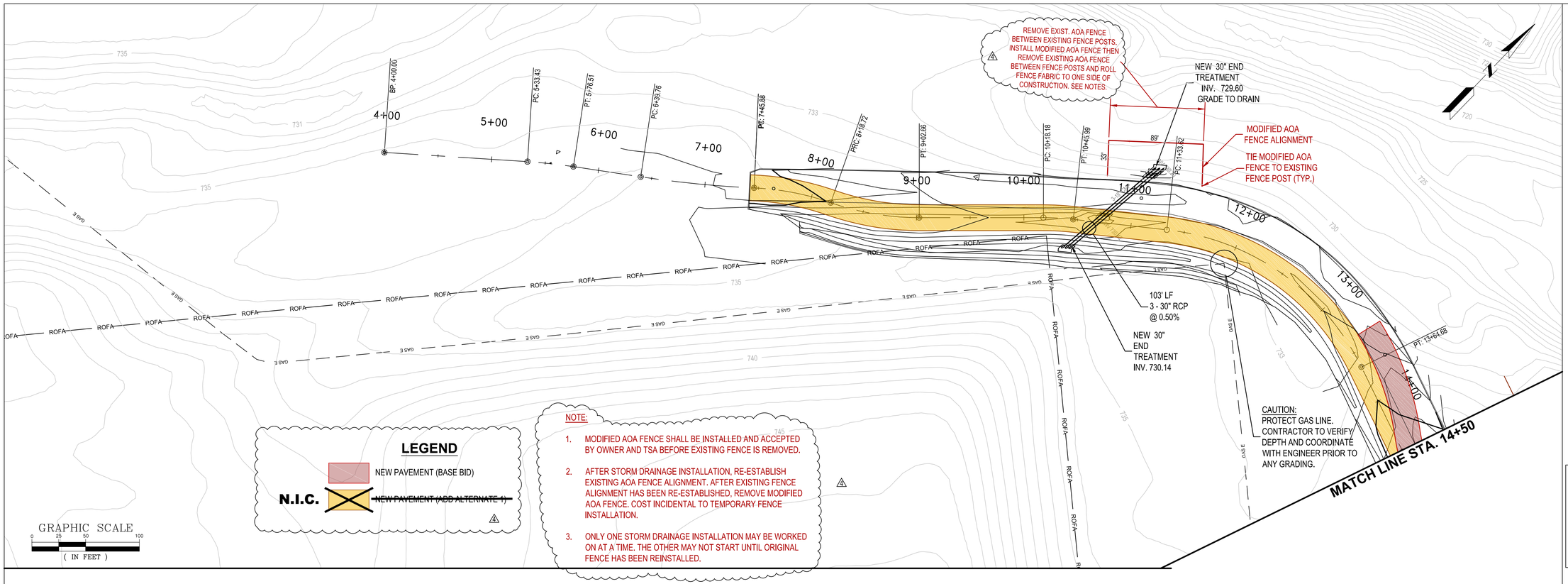
**TYPICAL SECTIONS**

**SHEET NUMBER**

**C201**

**100% BID SET**

Drawing: S:\O-SAT\Dwg\C201 Typical Pavement Section.dwg Plotted on: 6/17/2016 1:[illegible] by: Garbe, Richard M




**LEGEND**

NEW PAVEMENT (BASE BID)

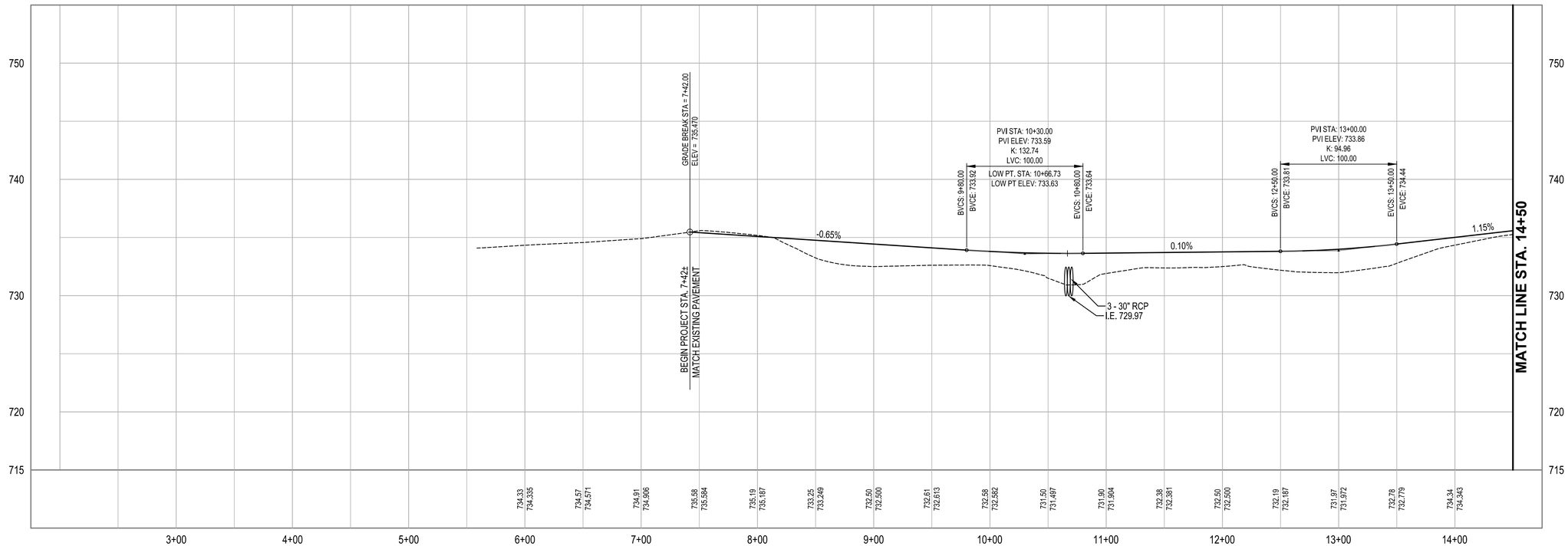
N.I.C. ~~NEW PAVEMENT (ADD ALTERNATE 1)~~ ⚠

GRAPHIC SCALE
0 25 50 100
( IN FEET )

NOTE:

1. MODIFIED AOA FENCE SHALL BE INSTALLED AND ACCEPTED BY OWNER AND TSA BEFORE EXISTING FENCE IS REMOVED.
2. AFTER STORM DRAINAGE INSTALLATION, RE-ESTABLISH EXISTING AOA FENCE ALIGNMENT. AFTER EXISTING FENCE ALIGNMENT HAS BEEN RE-ESTABLISHED, REMOVE MODIFIED AOA FENCE. COST INCIDENTAL TO TEMPORARY FENCE INSTALLATION.
3. ONLY ONE STORM DRAINAGE INSTALLATION MAY BE WORKED ON AT A TIME. THE OTHER MAY NOT START UNTIL ORIGINAL FENCE HAS BEEN REINSTALLED.

DATUM ELEV
715.000





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**SHEET TITLE**

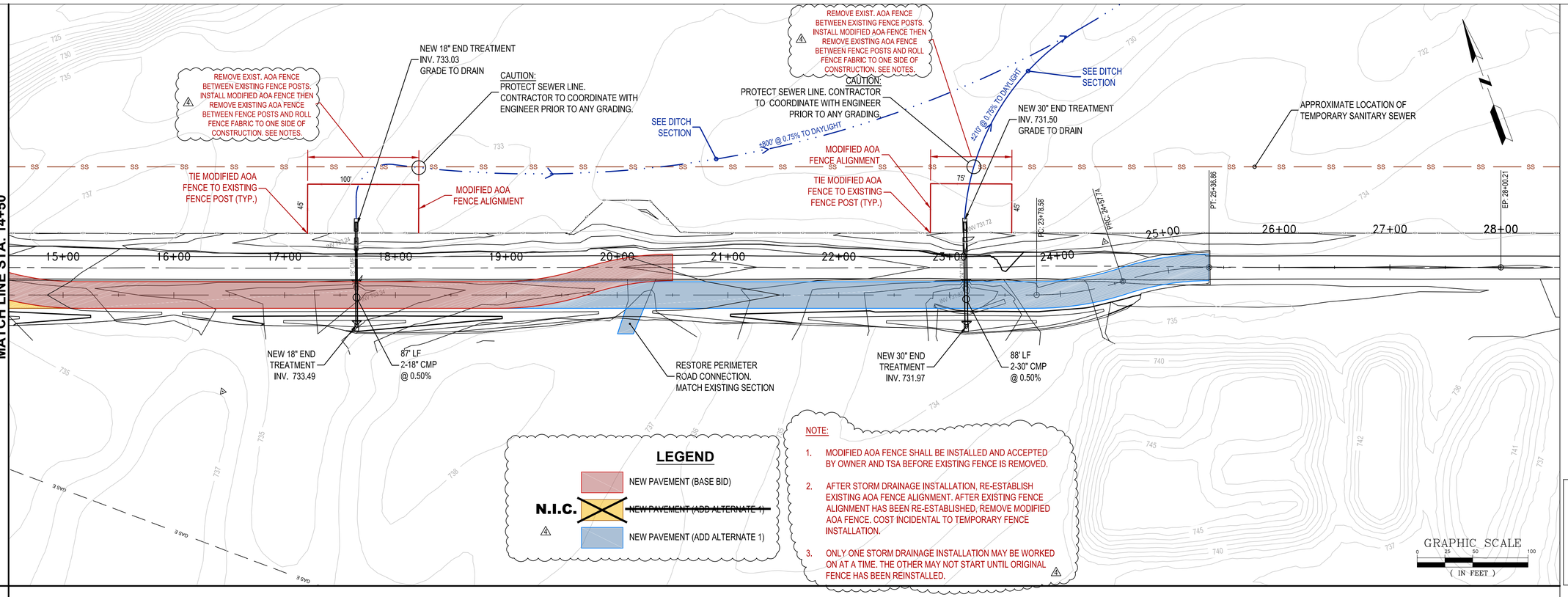
# PERIMETER ROAD PLAN AND PROFILE - SHEET 1

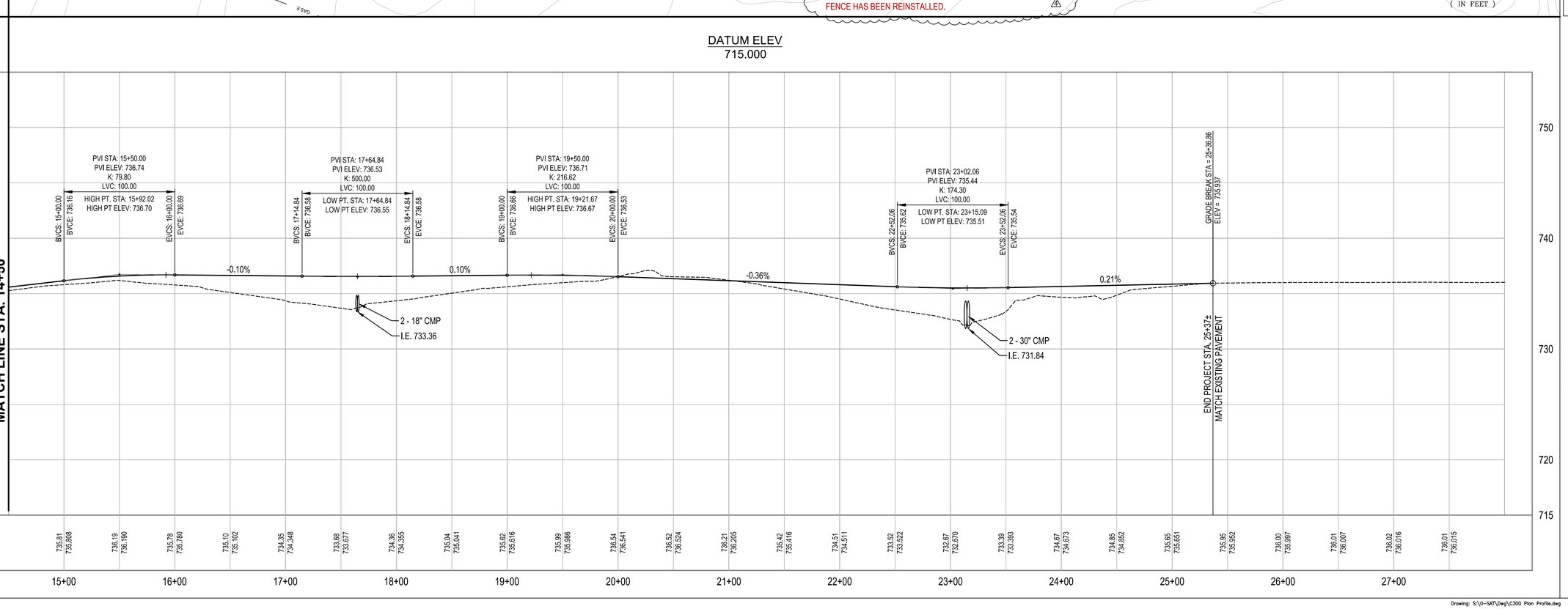
**SHEET NUMBER**

**C301**

**100% BID SET**

Drawing: S:\0-SAT\Dwg\C300 Plan Profile.dwg Plotted on: 6/17/2016 1:47:11 PM Plotted by: Gorbe, Richard M

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# PERIMETER ROAD RECONSTRUCTION - PACKAGE 1

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AEP PROJECT NUMBER
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SHEET TITLE

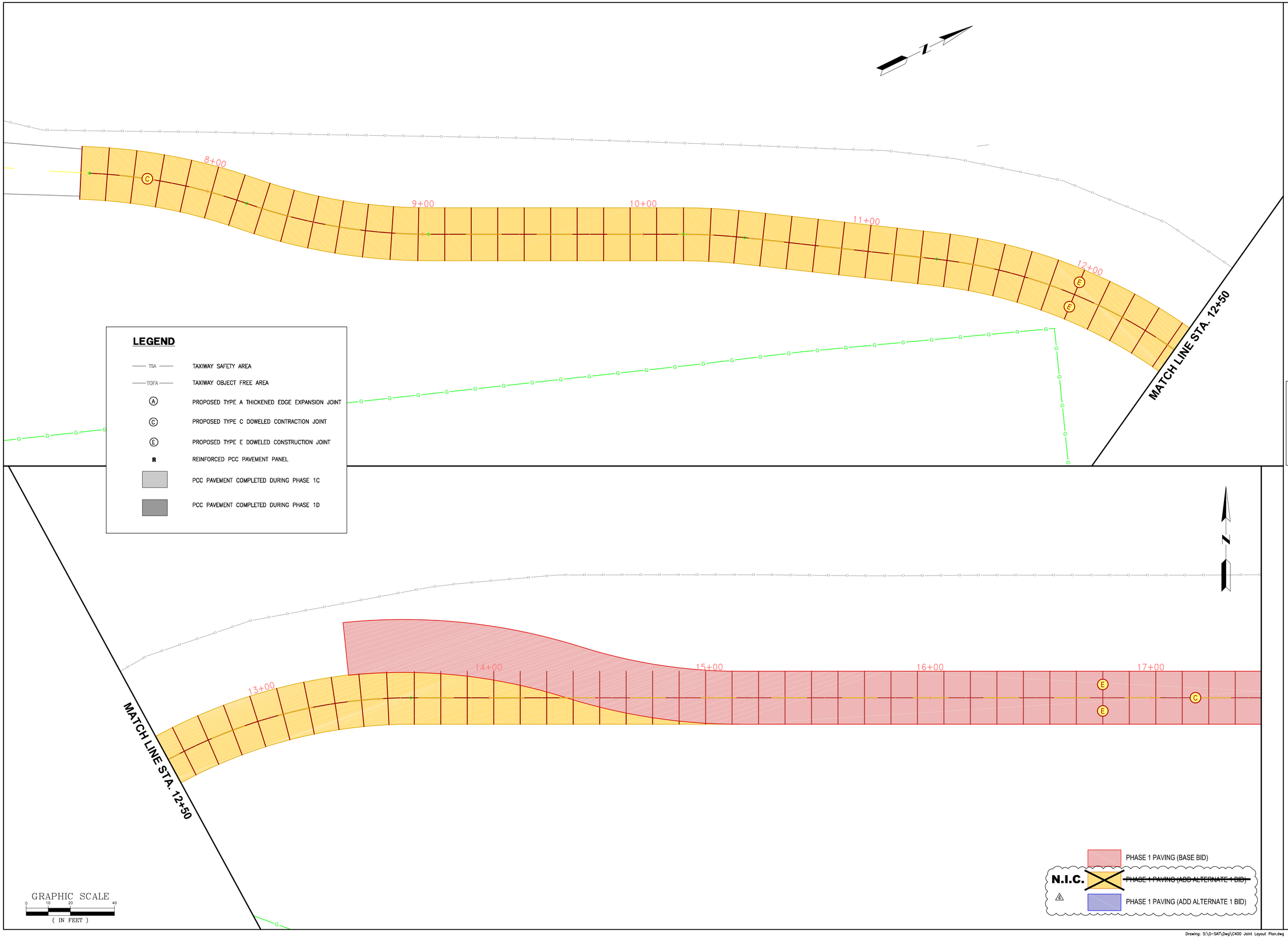
# PERIMETER ROAD PLAN AND PROFILE - SHEET 2

SHEET NUMBER

## C302

**100% BID SET**

Drawing: S:\0-SAT\Dwg\C300 Plan Profile.dwg Plotted on: 6/17/2016 1:48:04 PM by: Garbe, Richard M





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**SHEET TITLE**

## JOINT LAYOUT PLAN - SHEET 1

**SHEET NUMBER**

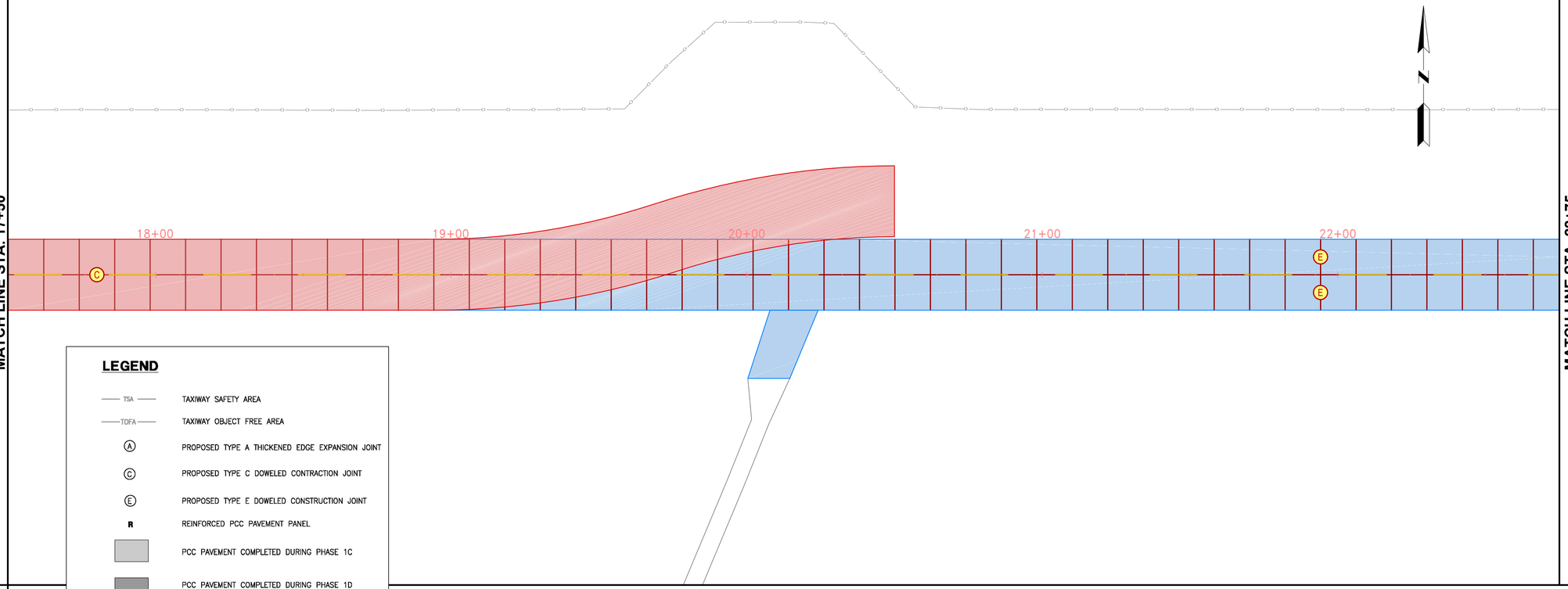
**C401**

**100% BID SET**

Drawing: S:\0-SAT\Dwg\C400 Joint Layout Plan.dwg Plotted on: 6/17/2016 1:39 PM by: Gorbe, Richard M

MATCH LINE STA. 17+50

MATCH LINE STA. 22+75




## LEGEND

| | |
|---|---|
| TSA | TAXIWAY SAFETY AREA |
| TOFA | TAXIWAY OBJECT FREE AREA |
| A | PROPOSED TYPE A THICKENED EDGE EXPANSION JOINT |
| C | PROPOSED TYPE C DOWELED CONTRACTION JOINT |
| E | PROPOSED TYPE E DOWELED CONSTRUCTION JOINT |
| R | REINFORCED PCC PAVEMENT PANEL |
| | PCC PAVEMENT COMPLETED DURING PHASE 1C |
| | PCC PAVEMENT COMPLETED DURING PHASE 1D |

MATCH LINE STA. 22+75

GRAPHIC SCALE
0 10 20 40
( IN FEET )

PHASE 1 PAVING (BASE BID)

N.I.C. ~~PHASE 1 PAVING (ADD ALTERNATE 1 BID)~~

PHASE 1 PAVING (ADD ALTERNATE 1 BID)

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| 1 | SHEET REISSUED | 6/17/16 |

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**SHEET TITLE**

# JOINT LAYOUT PLAN - SHEET 2

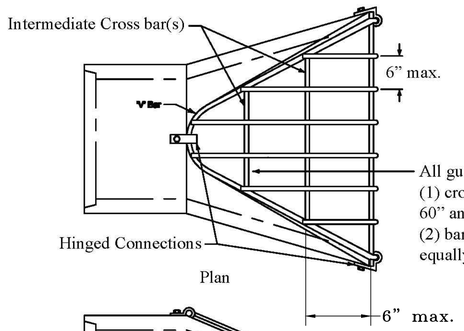
**SHEET NUMBER**

**C402**

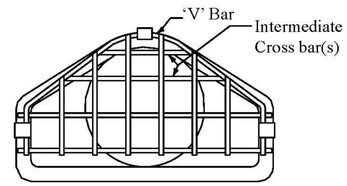
**100% BID SET**

Drawing: S:\0-SAT\Dwg\C400 Joint Layout Plan.dwg Plotted on: 6/17/2016 1:9:08 PM by: Garbe, Richard M

# Trash Guard For Flared Ends




| Round | | Arch | |
|---|---|---|---|
| Pipe Size | H | Pipe Size | H |
| 12" | 2-1/2" | 22"-29" | 4" |
| 15" | 3" | 36"-44" | 5" |
| 18"-24" | 4" | 51"-65" | 6" |
| 27"-36" | 5" | 73"-102" | 7" |
| 42"-54" | 6" | | |
| 60"-72" | 7" | | |
| 78"-90" | 8" | | |




Hot dip galvanized per MN/DOT 3392 or ASTM-A153

| Bar Sizes | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Standard Design | | | | | Heavy Design | | | | |
| | Pipe Size | Hole Dia. Required | Bolt Dia. | Bar Size | | Pipe Size | Hole Dia. Required | Bolt Dia. | Bar Size |
| Round | 12"-24" | 3/4" | 5/8" | 5/8" | Round | 12"-24" | 3/4" | 5/8" | 3/4" |
| | 27"-48" | 7/8" | 3/4" | 3/4" | | 27"-48" | 7/8" | 3/4" | 1" |
| | 54"-90" | 1-1/8" | 1" | 1" | | 54"-90" | 1-1/8" | 1" | 1-1/4" |
| Arch | 22"-29" | 3/4" | 5/8" | 5/8" | Arch | 22"-29" | 3/4" | 5/8" | 3/4" |
| | 36"-59" | 7/8" | 3/4" | 3/4" | | 36"-59" | 7/8" | 3/4" | 1" |
| | 65"-102" | 1-1/8" | 1" | 1" | | 65"-102" | 1-1/8" | 1" | 1-1/4" |
| Bolt Lg. = Pipewall Thk. + 2-1/2" | | | | | Elliptical | 14"x23" | 3/4" | 5/8" | 3/4" |
| | | | | | | 19"x30" | 3/4" | 5/8" | 3/4" |
| | | | | | | 24"x38" | 7/8" | 3/4" | 3/4" |
| | | | | | | 29"x45" | 7/8" | 3/4" | 3/4" |
| | | | | | | 34"x53" | 7/8" | 3/4" | 3/4" |
| | | | | | | 38"x60" | 7/8" | 3/4" | 3/4" |
| | | | | | | 43"x68" | 1-1/8" | 1" | 1" |
| | | | | | | 48"x76" | 1-1/8" | 1" | 1" |
| | | | | | | 53"x83" | 1-1/8" | 1" | 1" |

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Fax: 507-794-5823
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**DRAINAGE DETAILS - SHEET 7**

**SHEET NUMBER**

**C507**

**100% BID SET**