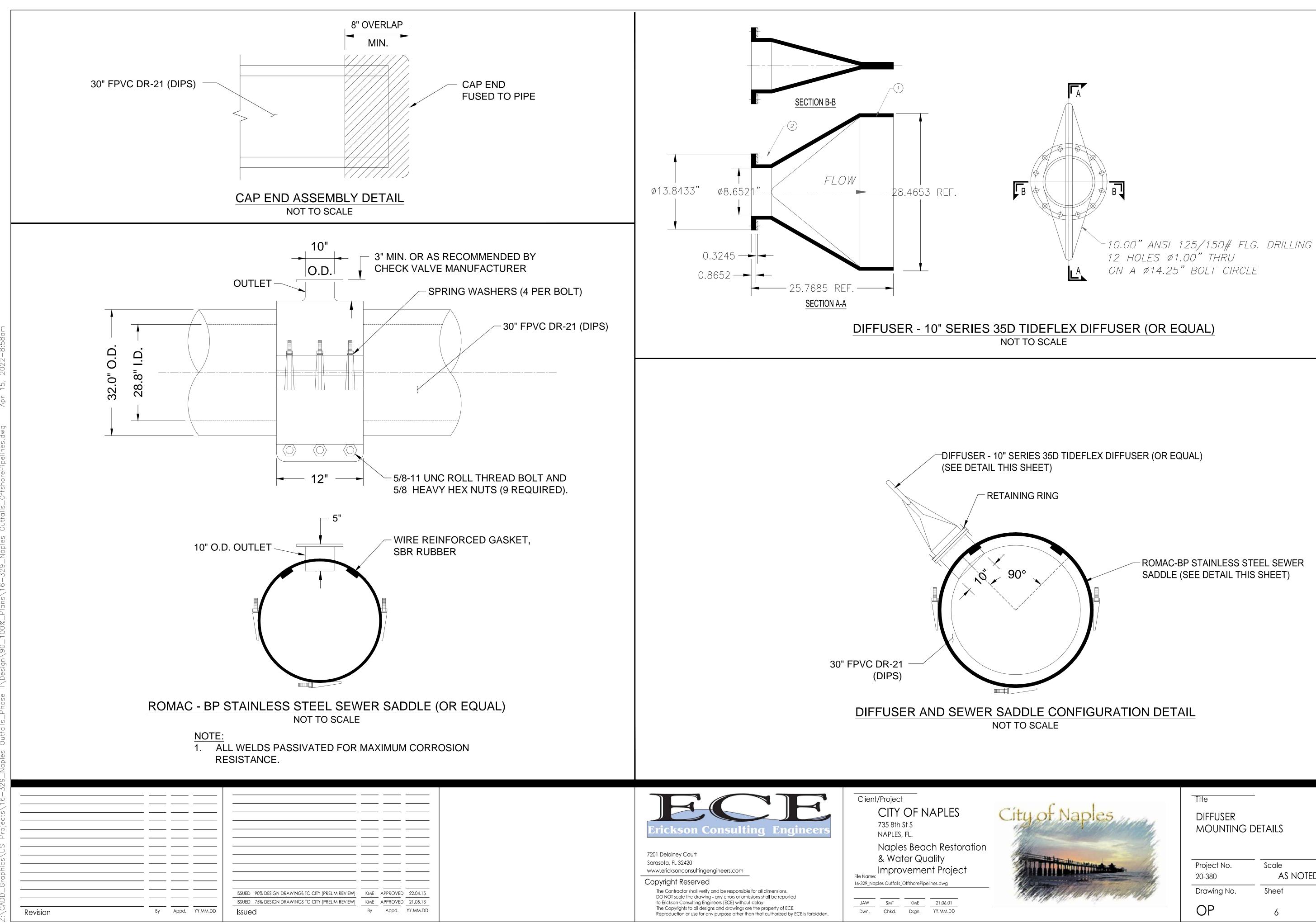
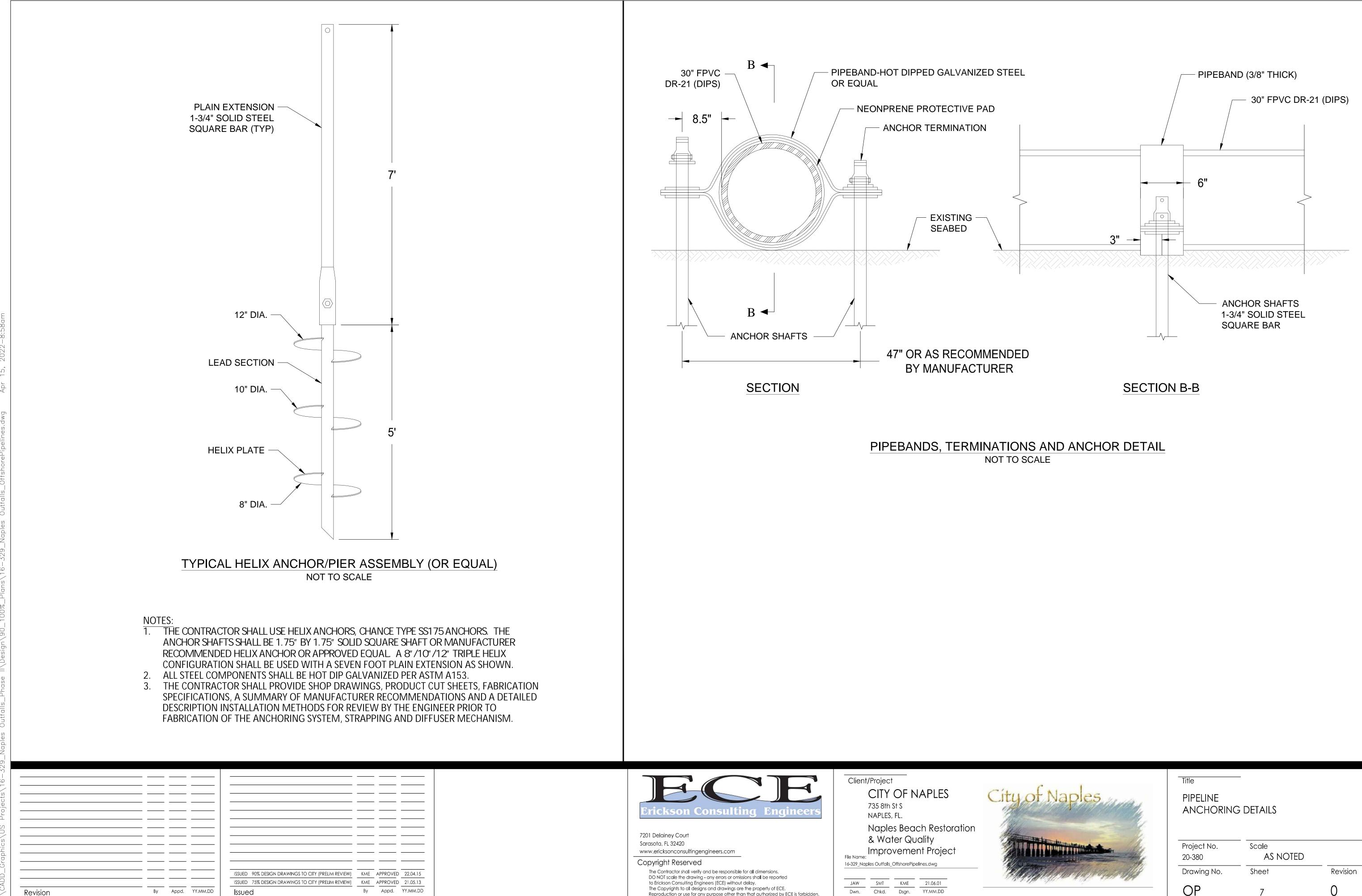


| of Naples            | Title<br>OFFSHORE<br>STRUCTURE F<br>& SECTION E |                   |          |
|----------------------|---|-------------------|----------|
|                      | Project No.<br>20-380                           | Scale<br>AS NOTED |          |
| ANNIN TO COMPANY SHA | Drawing No.                                     | Sheet             | Revision |
| C. Mar March 199     | OP  | 5                 | 0        |

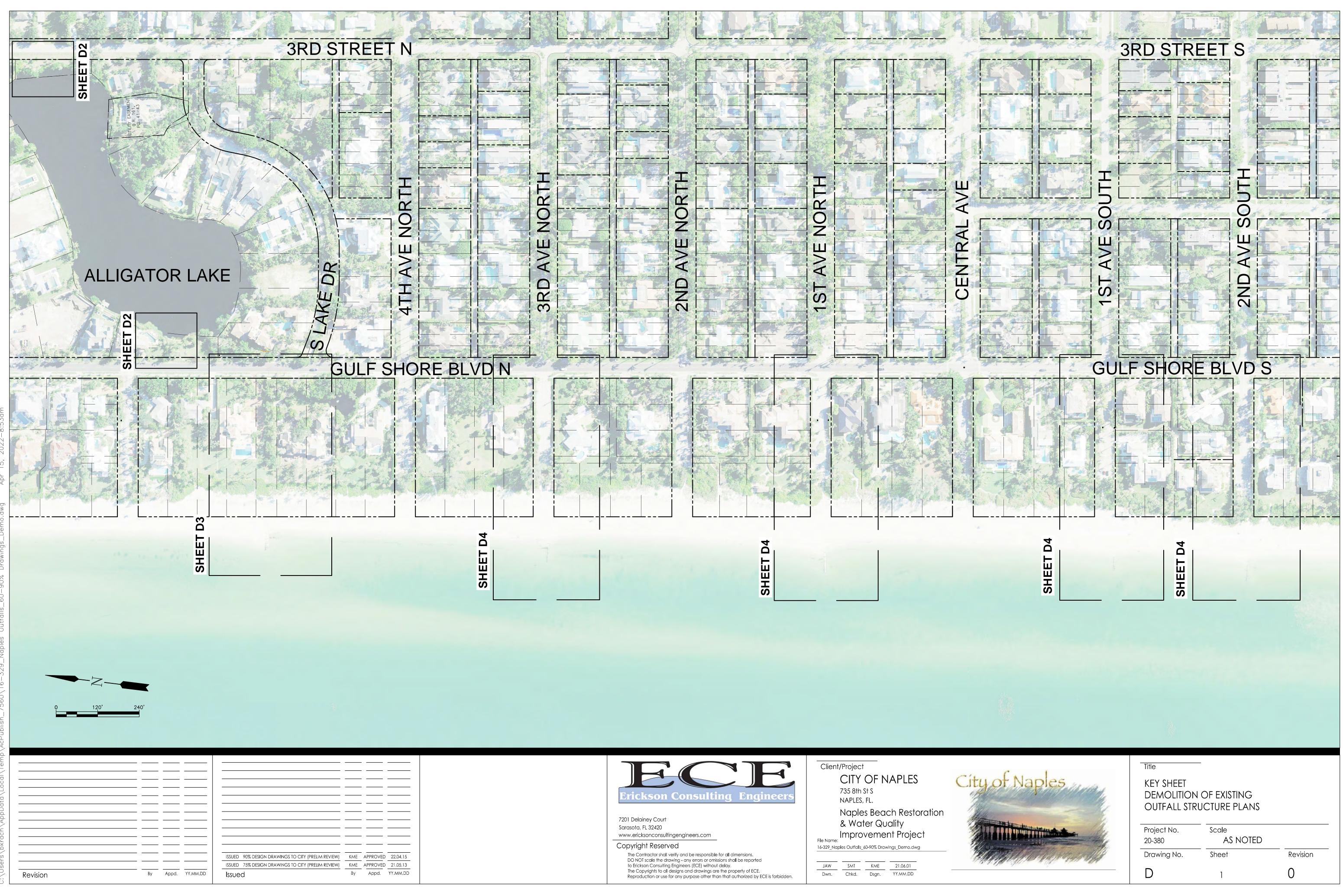


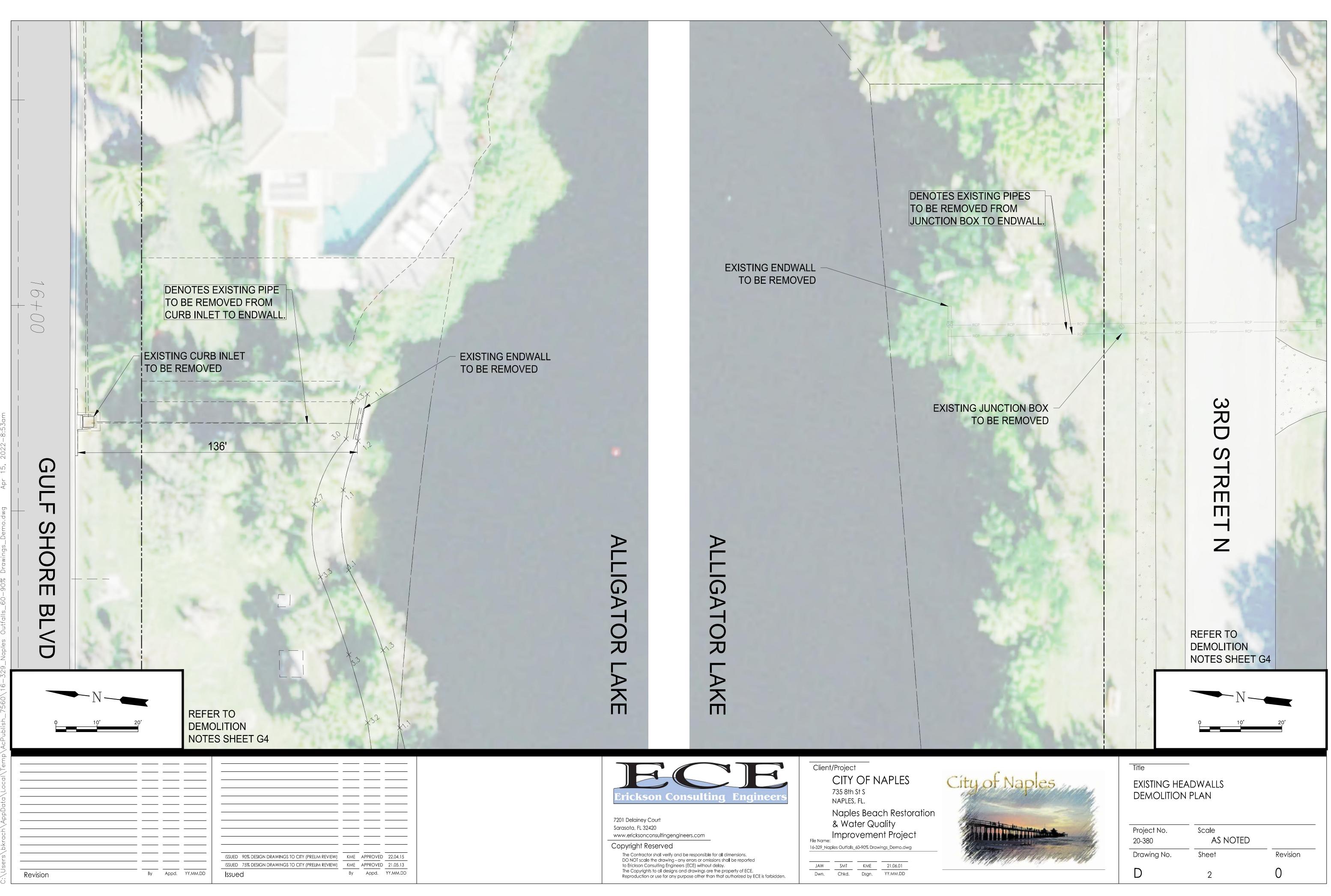
| of Naples  | Title<br>DIFFUSER<br>MOUNTING DETAILS |                   |          |  |  |
|--|---------------------------------------|-------------------|----------|--|--|
|  | Project No.<br>20-380                 | Scale<br>AS NOTED |          |  |  |
| AMALA JOS MADE TO SAM  | Drawing No.                           | Sheet             | Revision |  |  |
| er of the second se | OP                                    | 6                 | 0        |  |  |

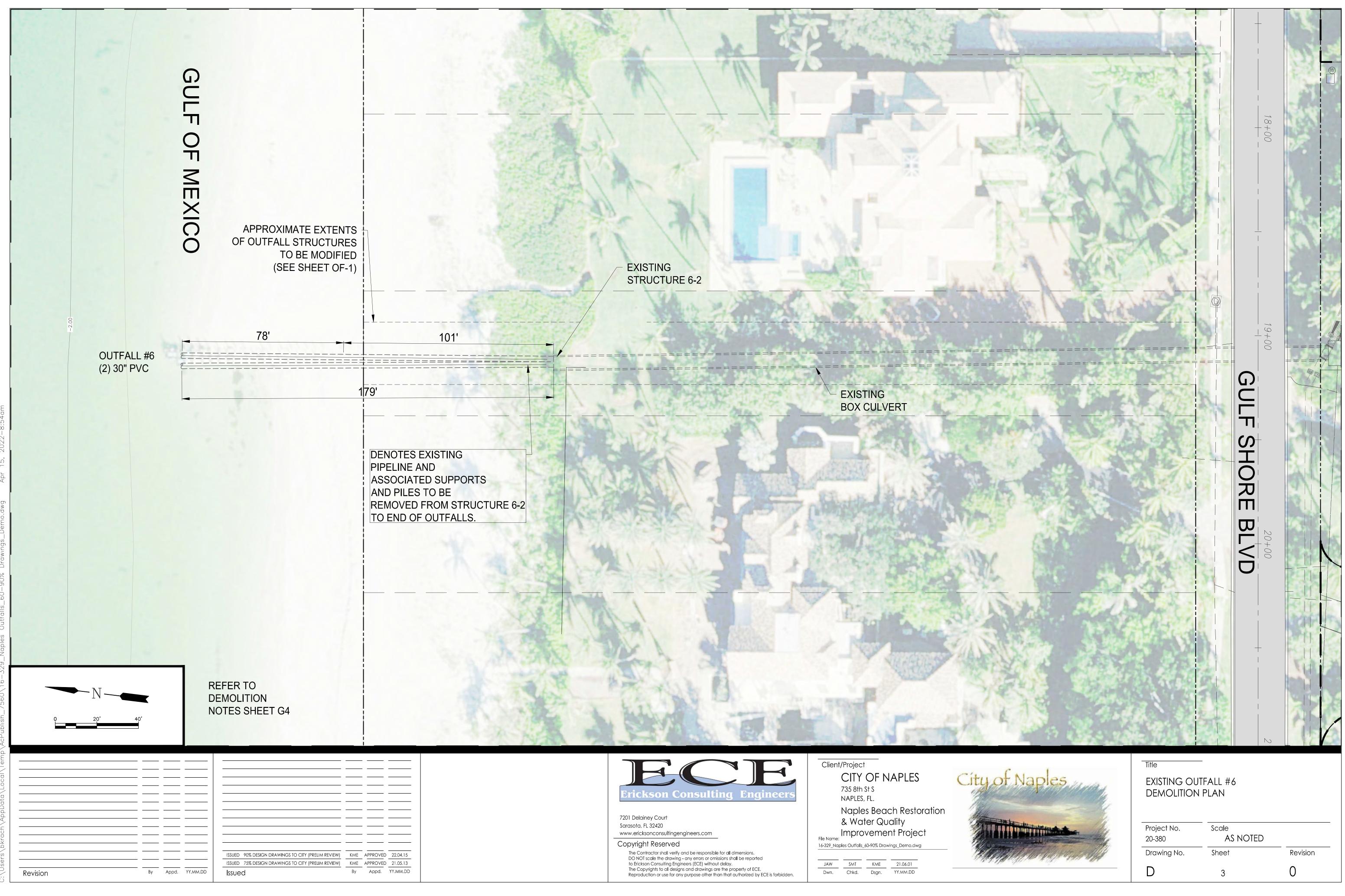


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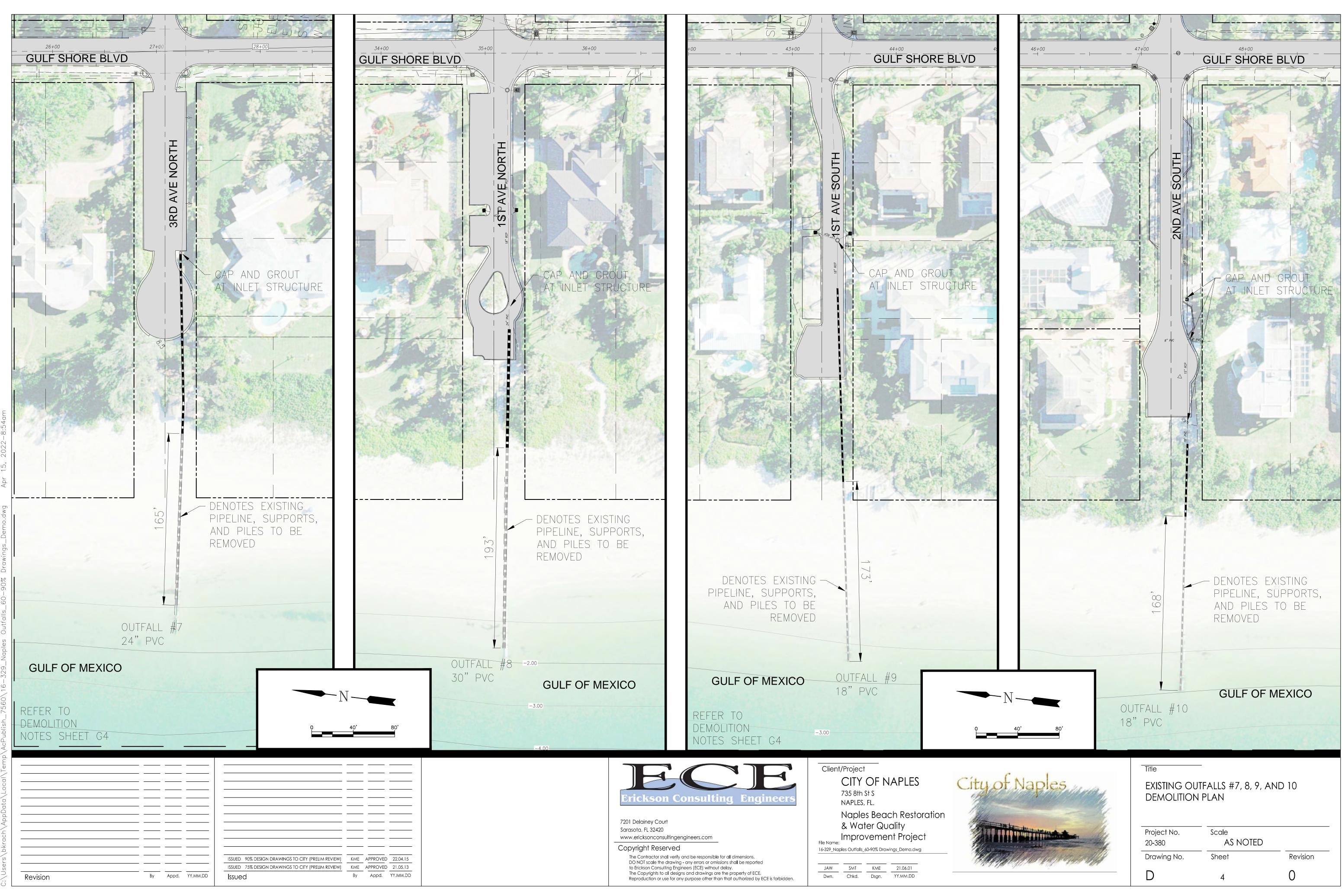
| of Naples                             | Title<br>PIPELINE<br>ANCHORING DETAILS |                            |              |  |  |
|---------------------------------------|--|----------------------------|--------------|--|--|
|                                       | Project No.<br>20-380<br>Drawing No.   | Scale<br>AS NOTED<br>Sheet | <br>Revision |  |  |
| A A A A A A A A A A A A A A A A A A A | OP                                     | 7                          | 0            |  |  |

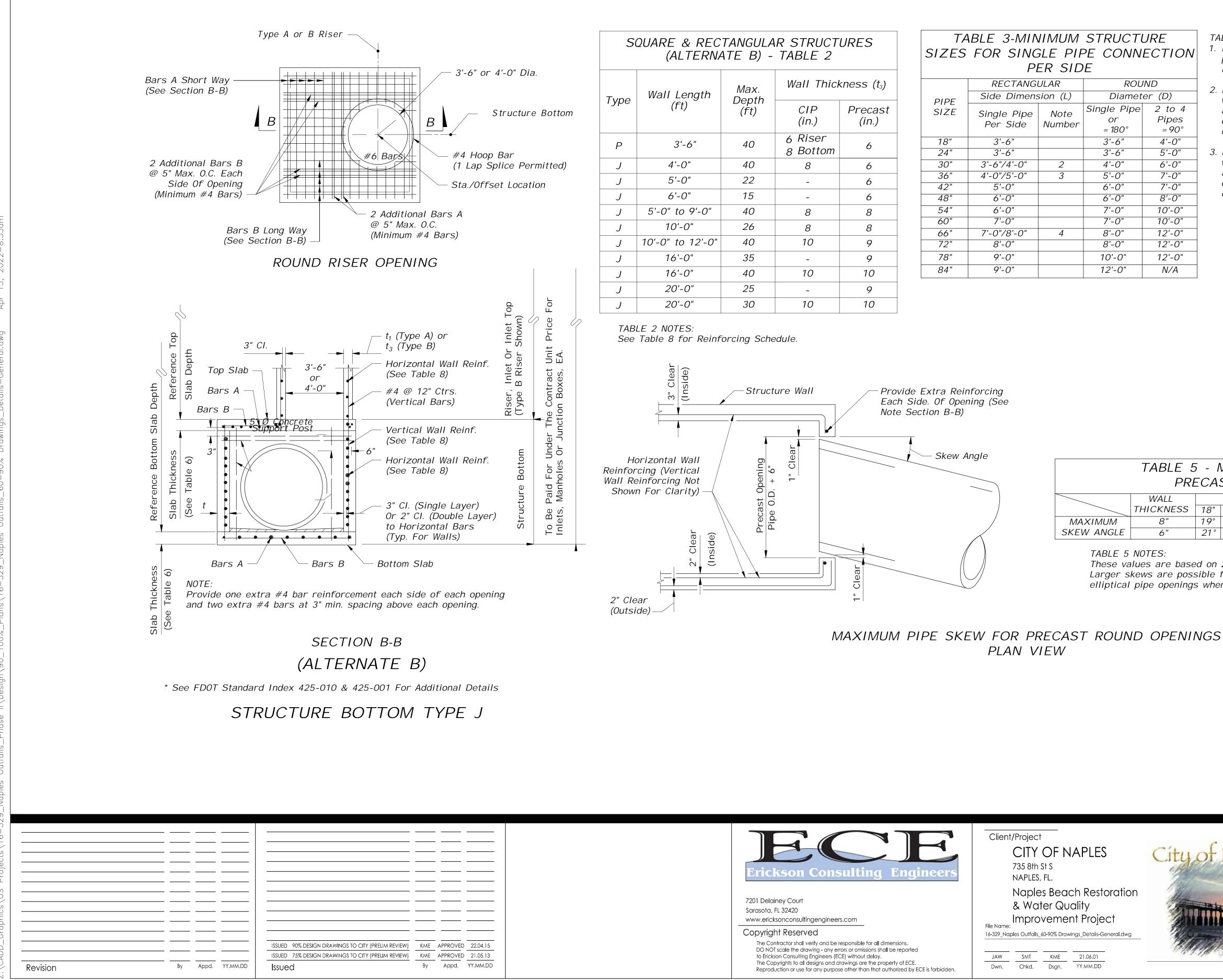






| Project No.<br>20-380 | Scale<br>AS NOTED |          |
|-----------------------|-------------------|----------|
| Drawing No.           | Sheet             | Revision |
| D                     | 3                 | 0        |





| SQUARE & RECTANGULAR STRUCTURES<br>(ALTERNATE B) - TABLE 2 |                  |               |                     |                  |  |  |
|--|------------------|---------------|---------------------|------------------|--|--|
| Tupo   | Wall Length      | Max.<br>Depth | Wall Thick          | kness (t₃)       |  |  |
| Туре   | (ft)             | (ft)          | CIP<br>(in.)        | Precast<br>(in.) |  |  |
| Р  | 3'-6"            | 40            | 6 Riser<br>8 Bottom | 6                |  |  |
| J  | 4'-0"            | 40            | 8                   | 6                |  |  |
| J  | 5'-0"            | 22            | _                   | 6                |  |  |
| J  | 6'-0"            | 15            | -                   | 6                |  |  |
| J  | 5'-0" to 9'-0"   | 40            | 8                   | 8                |  |  |
| J  | 10'-0"           | 26            | 8                   | 8                |  |  |
| J  | 10'-0" to 12'-0" | 40            | 10                  | 9                |  |  |
| J  | 16'-0"           | 35            | -                   | 9                |  |  |
| J  | 16'-0"           | 40            | 10                  | 10               |  |  |
| J  | 20'-0"           | 25            | -                   | 9                |  |  |
| J  | 20'-0"           | 30            | 10                  | 10               |  |  |

| TABLE 3-MINIMUM STRUCTURE        |
|----------------------------------|
| SIZES FOR SINGLE PIPE CONNECTION |
| PER SIDE                         |

|      | RECTANG   | ULAR | ROUND                       |                          |  |
|------|---|------|-----------------------------|--------------------------|--|
| DIDE | PIPESide Dimension (L)SIZESingle PipeNotePer SideNumber |      | Diamet                      | er (D)                   |  |
|      |   |      | Single Pipe<br>or<br>= 180° | 2 to 4<br>Pipes<br>= 90° |  |
| 18"  | 3'-6"   |      | 3'-6"                       | 4'-0"                    |  |
| 24"  | 3'-6"   |      | 3'-6"                       | 5'-0"                    |  |
| 30"  | 3'-6"/4'-0"   | 2    | 4'-0"                       | 6'-0"                    |  |
| 36"  | 4'-0"/5'-0"   | 3    | 5'-0"                       | 7'-0"                    |  |
| 42"  | 5'-0"   |      | 6'-0"                       | 7'-0"                    |  |
| 48"  | 6'-0"   |      | 6'-0"                       | 8'-0"                    |  |
| 54"  | 6'-0"   |      | 7'-0"                       | 10'-0"                   |  |
| 60"  | 7'-0"   |      | 7'-0"                       | 10'-0"                   |  |
| 66"  | 7'-0"/8'-0"   | 4    | 8'-0"                       | 12'-0"                   |  |
| 72"  | 8'-0"   |      | 8'-0"                       | 12'-0"                   |  |
| 78"  | 9'-0"   |      | 10'-0"                      | 12'-0"                   |  |
| 84"  | 9'-0"   |      | 12'-0"                      | N/A                      |  |
|      | 1   |      |                             |                          |  |

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TABLE 3 NOTES: 1. For Round Structures sizes with variable angles between pipes and variable pipe sizes, refer to the FDOT Storm

Drain Handbook. 2. For 3'-6" Precast Square Structure Bottoms, 30" Pipes with similar invert elevations are not permitted in adjacent walls. Use 4'-0" Side Dimensions when 30" pipe openings are required on adjacent walls and the

difference in flow lines is less than 3'-0".

3. For 4'-0" Precast Square Structure Bottoms, 36" Pipes with similar invert elevations are not permitted in adjacent walls. Use 5'-0" Side Dimensions when 36" pipe openings are required on adjacent walls and the difference in flow lines is less than 3'-0".

# TABLE 5 - MAXIMUM PIPE SKEW FOR PRECAST ROUND OPENINGS PIPE SIZE THICKNESS 18" 24" 30" 36" 42" 48" 54" 60" 66" 72" 78" 84" 19° 17° 16° 16° 15° 14° 14° 13° 13° 13° 12° 12° 21° 20° 18° 17° 17° 16° 15° 15° 14° 14° 13° 13°

These values are based on 2" clearance for precast structures. Larger skews are possible for Cast-In-Place Structures or elliptical pipe openings when approved by the Engineer.

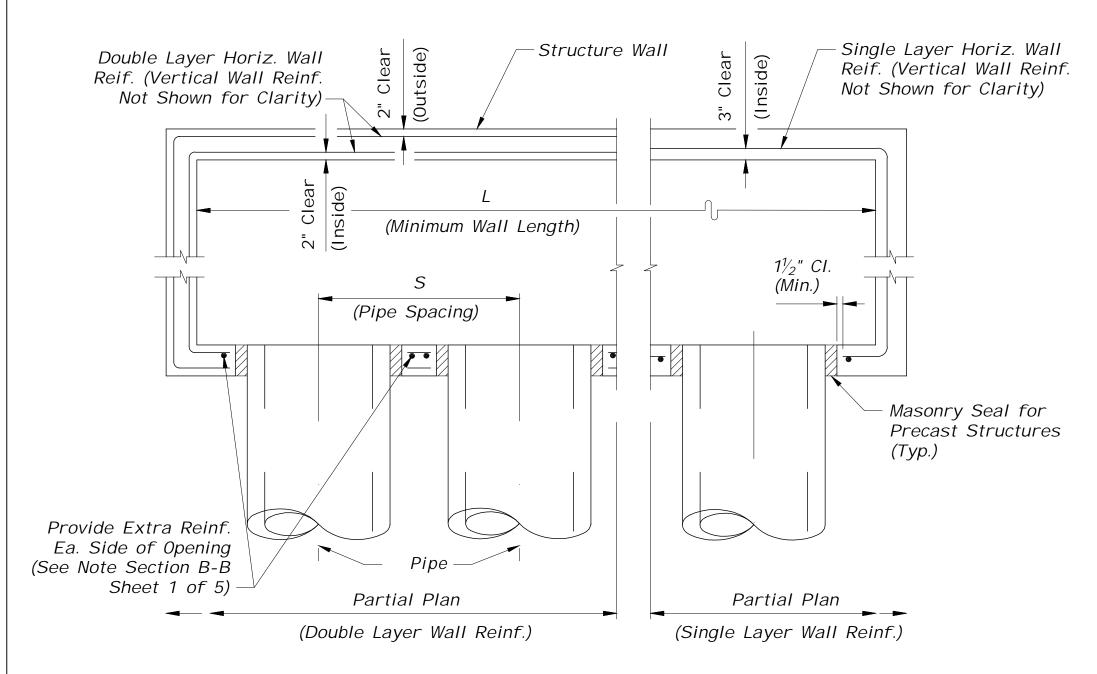
| of Naples   | Title<br>GENERAL CONSTRUCTION<br>DETAILS (1) |                   |          |  |  |  |
|---|--|-------------------|----------|--|--|--|
|   | Project No.<br>16-329                        | Scale<br>AS NOTED |          |  |  |  |
| Company and and the   | Drawing No.                                  | Sheet             | Revision |  |  |  |
| C. D. and the second | CD   | 1                 | 0        |  |  |  |

| TABLE 4-MINIMUM SIZES FOR MULTIPLEPARALLEL PIPE CONNECTIONS FORRECTANGULAR STRUCTURE BOTTOMS |                                       |        |        |        |  |  |  |  |  |
|--|---------------------------------------|--------|--------|--------|--|--|--|--|--|
| PIPE<br>SIZE   | SIZE SPACING NUMBER OF PARALLEL PIPES |        |        |        |  |  |  |  |  |
|  | (S)                                   | 2      | 3      | 4      |  |  |  |  |  |
| 18"  | 2'-10"                                | 6'-0"  | 8'-6"  | 11'-0" |  |  |  |  |  |
| 24"  | 3'-5"                                 | 6'-6"  | 10'-0" | 13'-6" |  |  |  |  |  |
| 30"  | 4'-3"                                 | 8'-0"  | 12'-6" | 16'-6" |  |  |  |  |  |
| 36"  | 5'-1'                                 | 9'-6"  | 14'-6" | 19'-6" |  |  |  |  |  |
| 42"  | 6'-0"                                 | 11'-0" | 17'-0" | -      |  |  |  |  |  |
| 48"  | 6'-9"                                 | 12'-6" | 19'-0" | -      |  |  |  |  |  |
| 54"  | 7'-8"                                 | 14'-0" | -      | -      |  |  |  |  |  |
| 60"  | 8'-6"                                 | 15'-0" | -      | -      |  |  |  |  |  |
| 66"  | 9'-0"                                 | 16'-6" | -      | -      |  |  |  |  |  |
| 72"  | 10'-0"                                | 18'-0" | -      | -      |  |  |  |  |  |
| 78"  | 10'-9"                                | 19'-0" | -      | -      |  |  |  |  |  |
| 84"  | 11'-8"                                | 20'-6" | -      | -      |  |  |  |  |  |

TABLE 4 NOTES:

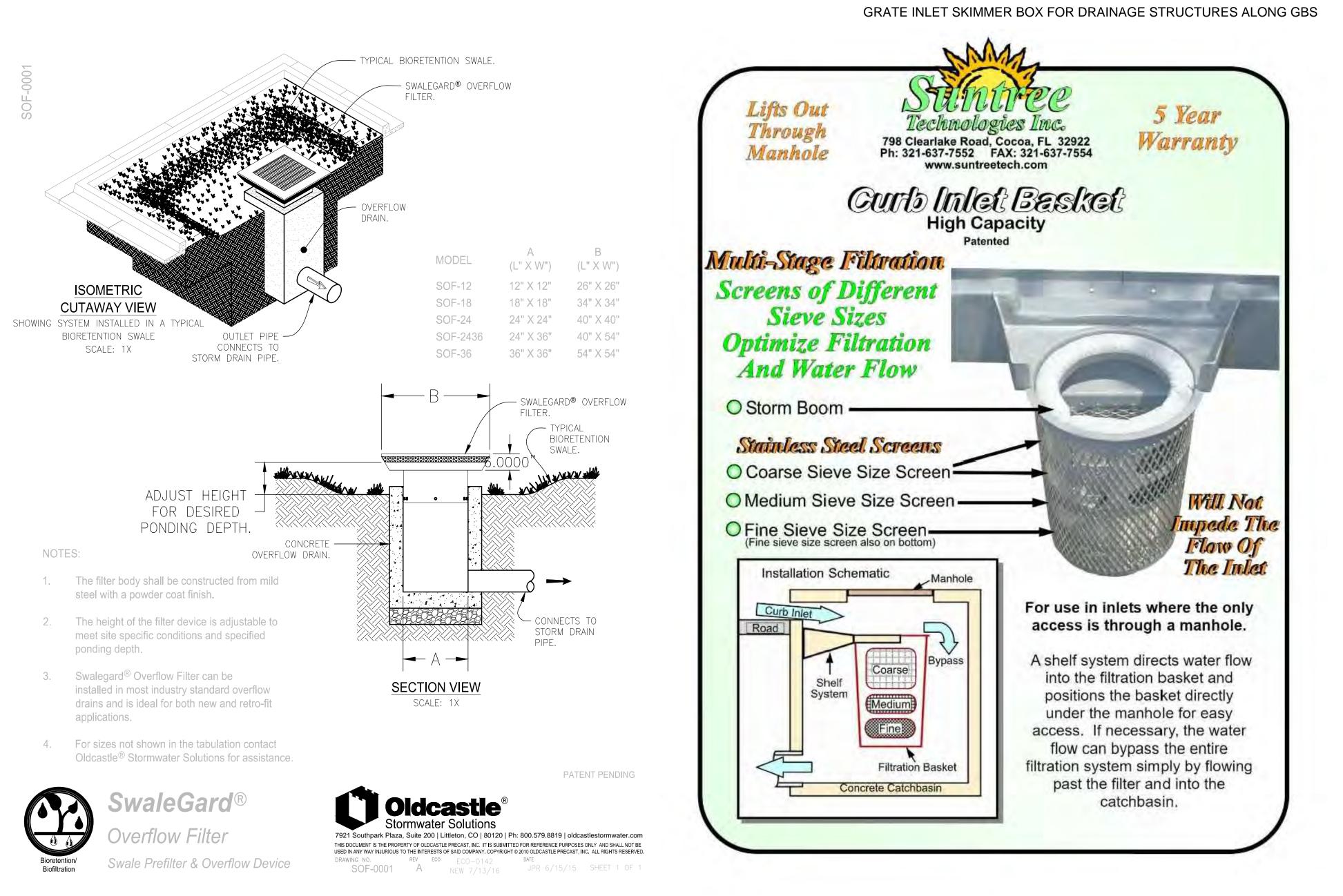
1. Minimum wall lengths based on precast structures, using concrete pipe with maximum skew angles per Table 5.

2. Wall lengths exceeding 20'-0" require special designs.



MULTIPLE PARALLEL PIPE CONNECTIONS DETAIL PLAN VIEW

|          |    |       |          |  |     | ·          |          |
|----------|----|-------|----------|--|-----|------------|----------|
|          |    |       |          |  |     |            |          |
|          |    |       |          |  |     | . <u> </u> |          |
|          |    |       |          |  |     |            |          |
|          |    |       |          |  |     |            |          |
|          |    |       |          |  |     |            |          |
|          |    |       |          |  |     |            |          |
|          |    |       |          |  |     |            |          |
|          |    |       |          |  |     |            |          |
|          |    |       |          | ISSUED 90% DESIGN DRAWINGS TO CITY (PRELIM REVIEW) | KME | APPROVED   | 22.04.15 |
|          |    |       |          | ISSUED 75% DESIGN DRAWINGS TO CITY (PRELIM REVIEW) | KME | APPROVED   | 21.05.13 |
| Revision | By | Appd. | YY.MM.DD | Issued   | By  | Appd.      | YY.MM.DE |





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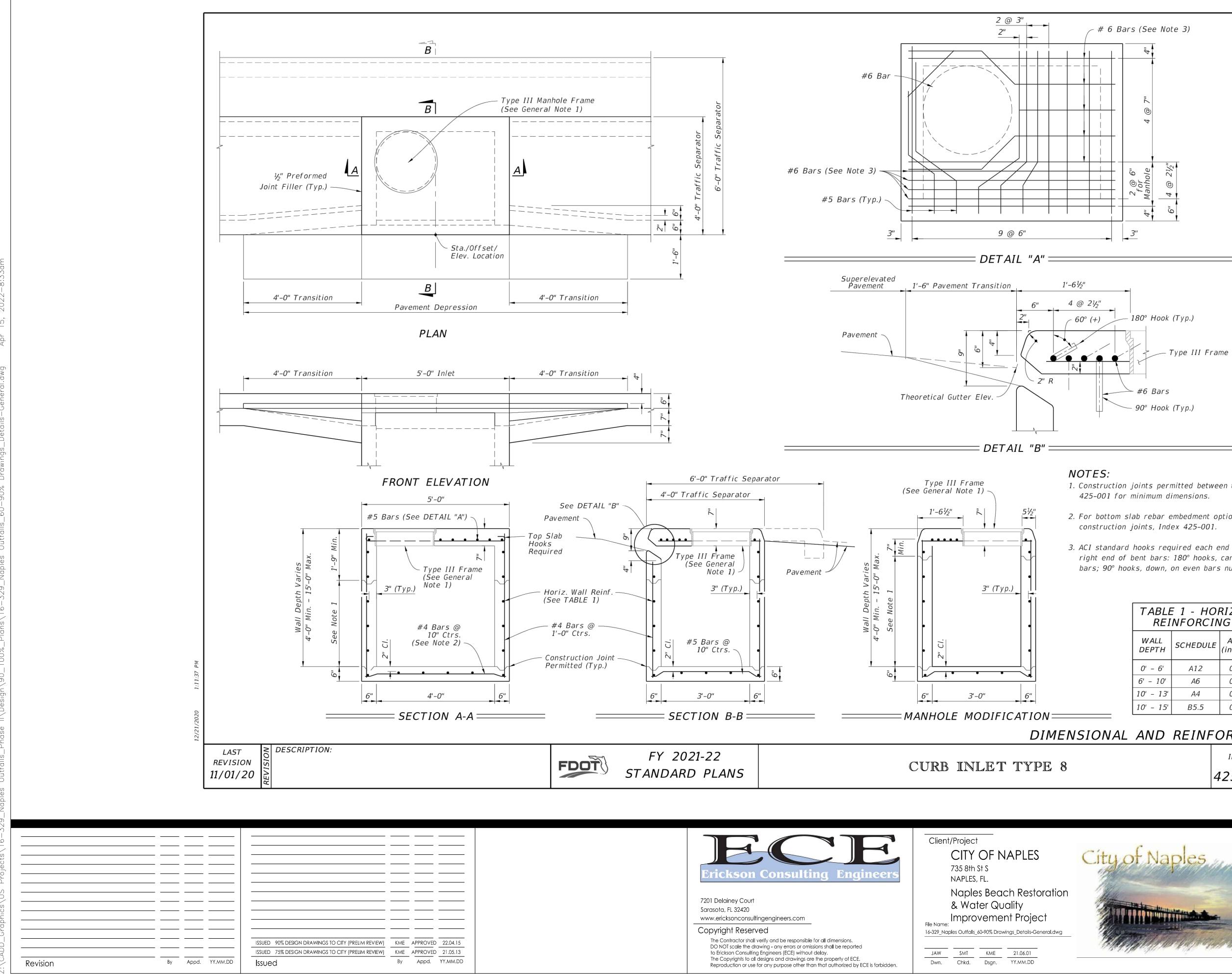
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Erickson Consulting Engineers (ECE) without delay.

JAW SMT KME 21.06.01 Dwn. Chkd. Dsgn. YY.MM.DD



SUNTREE OR EQUAL

| of Naples  | Title<br>GENERAL CONSTRUCTION<br>DETAILS (2) |                            |              |  |  |
|--|--|----------------------------|--------------|--|--|
|  | Project No.<br>16-329<br>Drawing No.         | Scale<br>AS NOTED<br>Sheet | <br>Revision |  |  |
| C. T. M. W. M. M. C. | CD   | 2                          | 0            |  |  |



1. Construction joints permitted between these limits. See Index

2. For bottom slab rebar embedment options, see optional

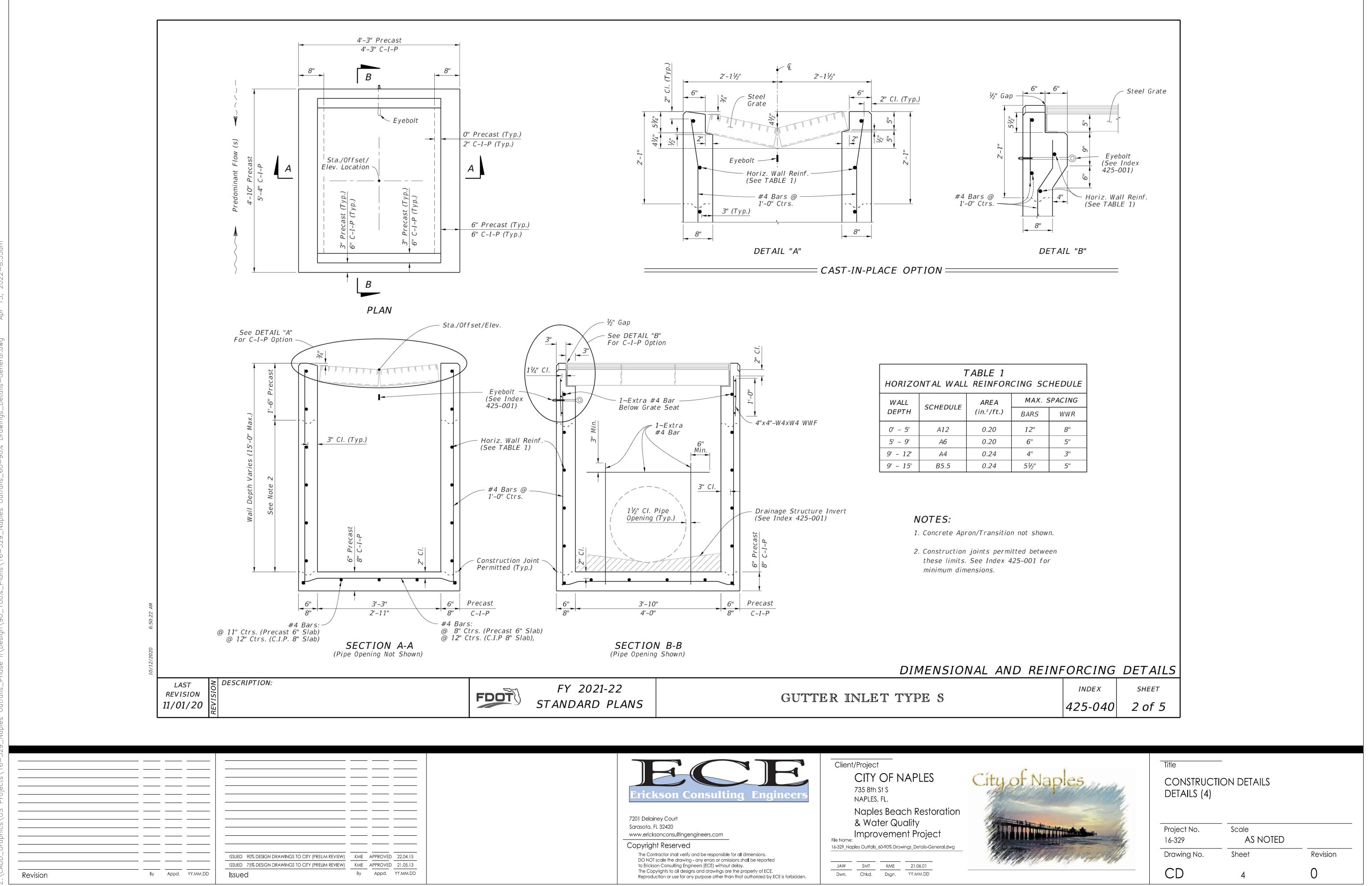
3. ACI standard hooks required each end of straight bars and right end of bent bars: 180° hooks, canted 60°(+), on odd bars; 90° hooks, down, on even bars numbered from throat side.

| TABLE 1 - HORIZONTAL WALL<br>REINFORCING SCHEDULE |          |            |              |     |  |  |  |  |  |  |
|---|----------|------------|--------------|-----|--|--|--|--|--|--|
| WALL  | SCHEDULE |            | MAX. SPACING |     |  |  |  |  |  |  |
| DEPTH   | JEHEDOLL | (in.²/ft.) | BARS         | WWR |  |  |  |  |  |  |
| 0' - 6'   | A12      | 0.20       | 12"          | 8"  |  |  |  |  |  |  |
| 6' - 10'  | A6       | 0.20       | 6"           | 5"  |  |  |  |  |  |  |
| 10' - 13'   | A4       | 0.20       | 4"           | 3"  |  |  |  |  |  |  |
| 10' - 15'   | B5.5     | 0.24       | 5½"          | 5"  |  |  |  |  |  |  |

# DIMENSIONAL AND REINFORCING DETAILS

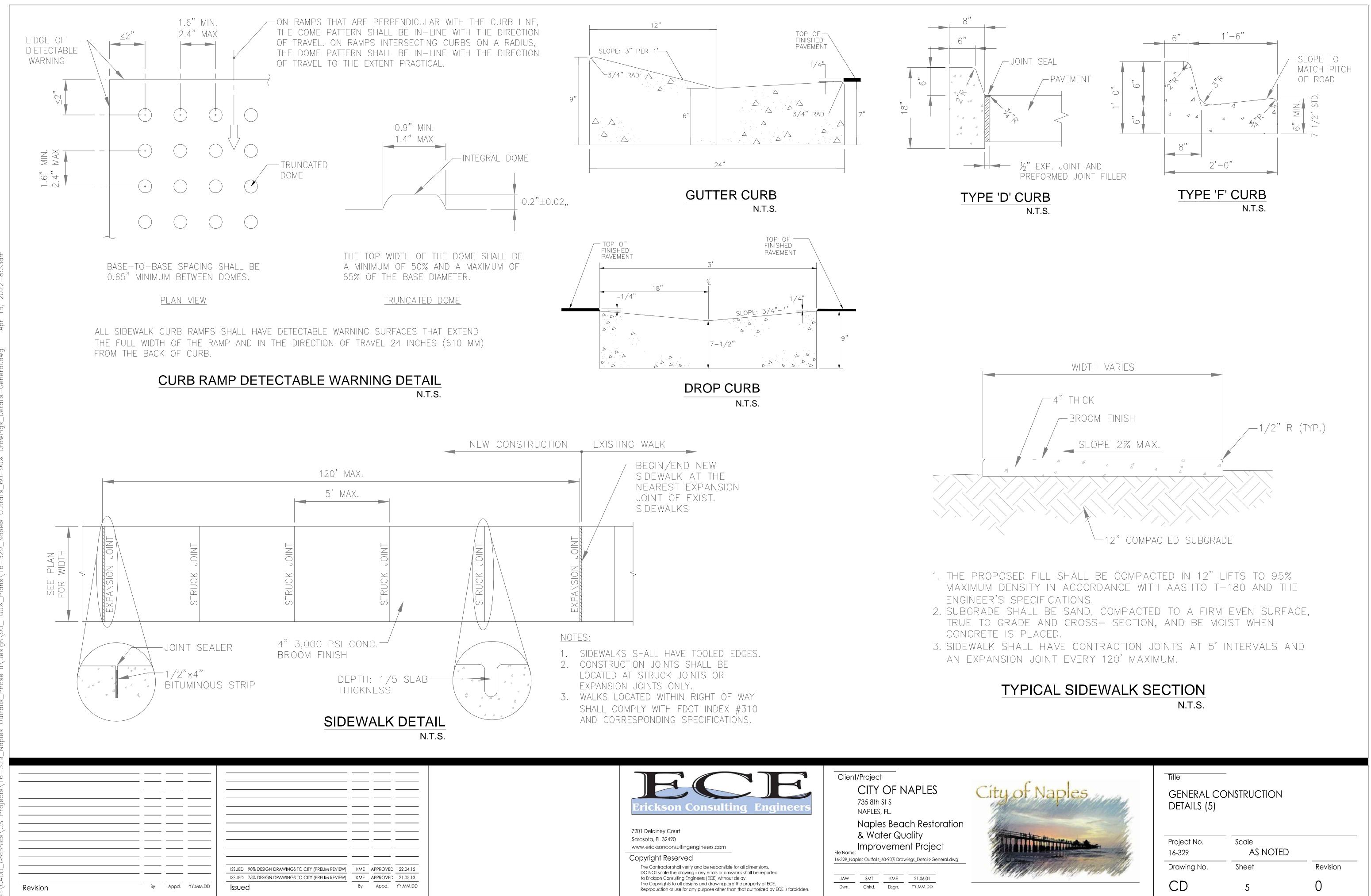
| INDEX   | SHEET  |
|---------|--------|
| 425-023 | 2 of 2 |
|         |        |

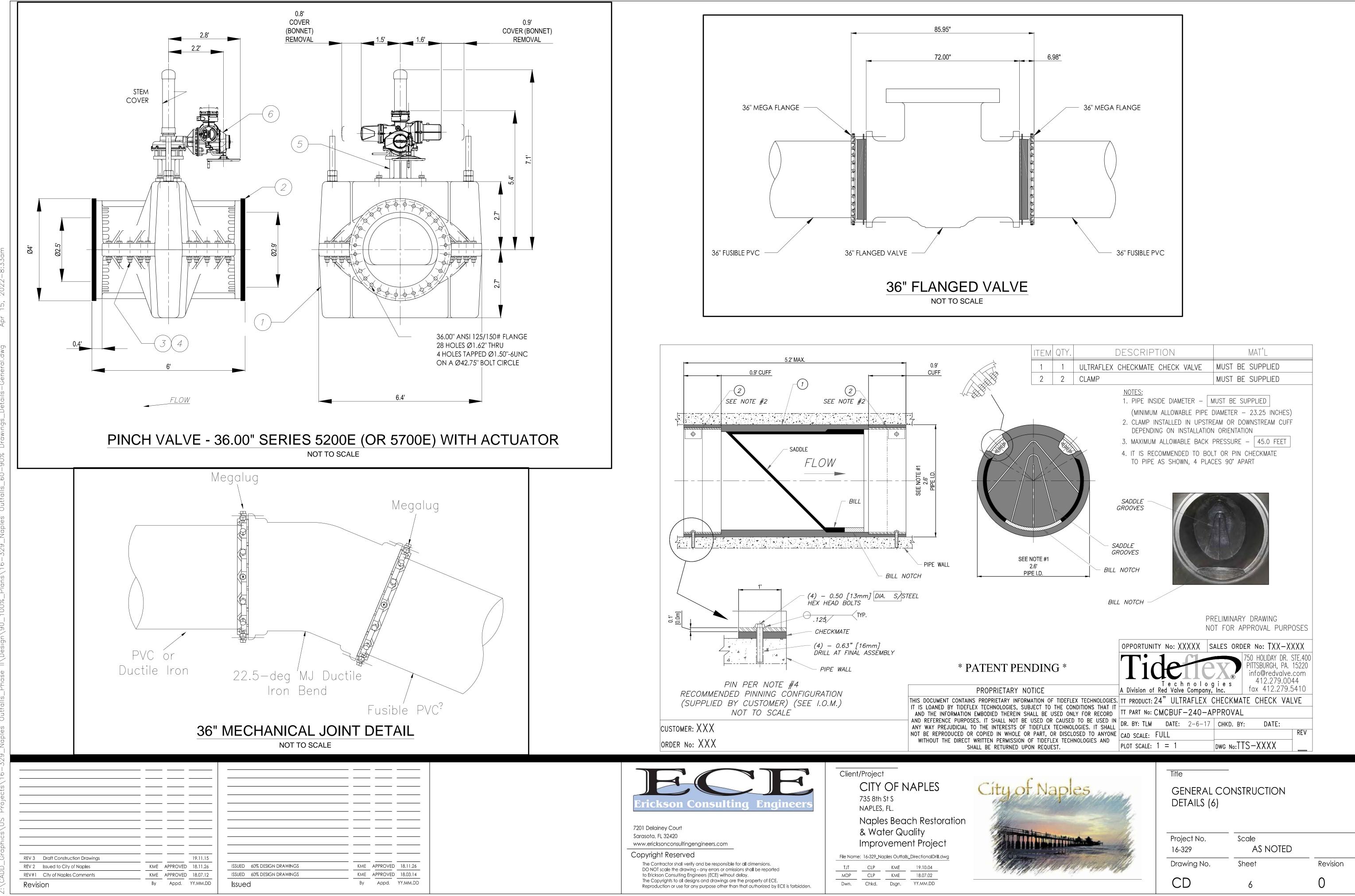
| of Naples                       | Title<br>GENERAL CO<br>DETAILS (3) | <br>Construction  |          |  |  |  |  |
|---------------------------------|------------------------------------|-------------------|----------|--|--|--|--|
|                                 | Project No.<br>16-329              | Scale<br>AS NOTED |          |  |  |  |  |
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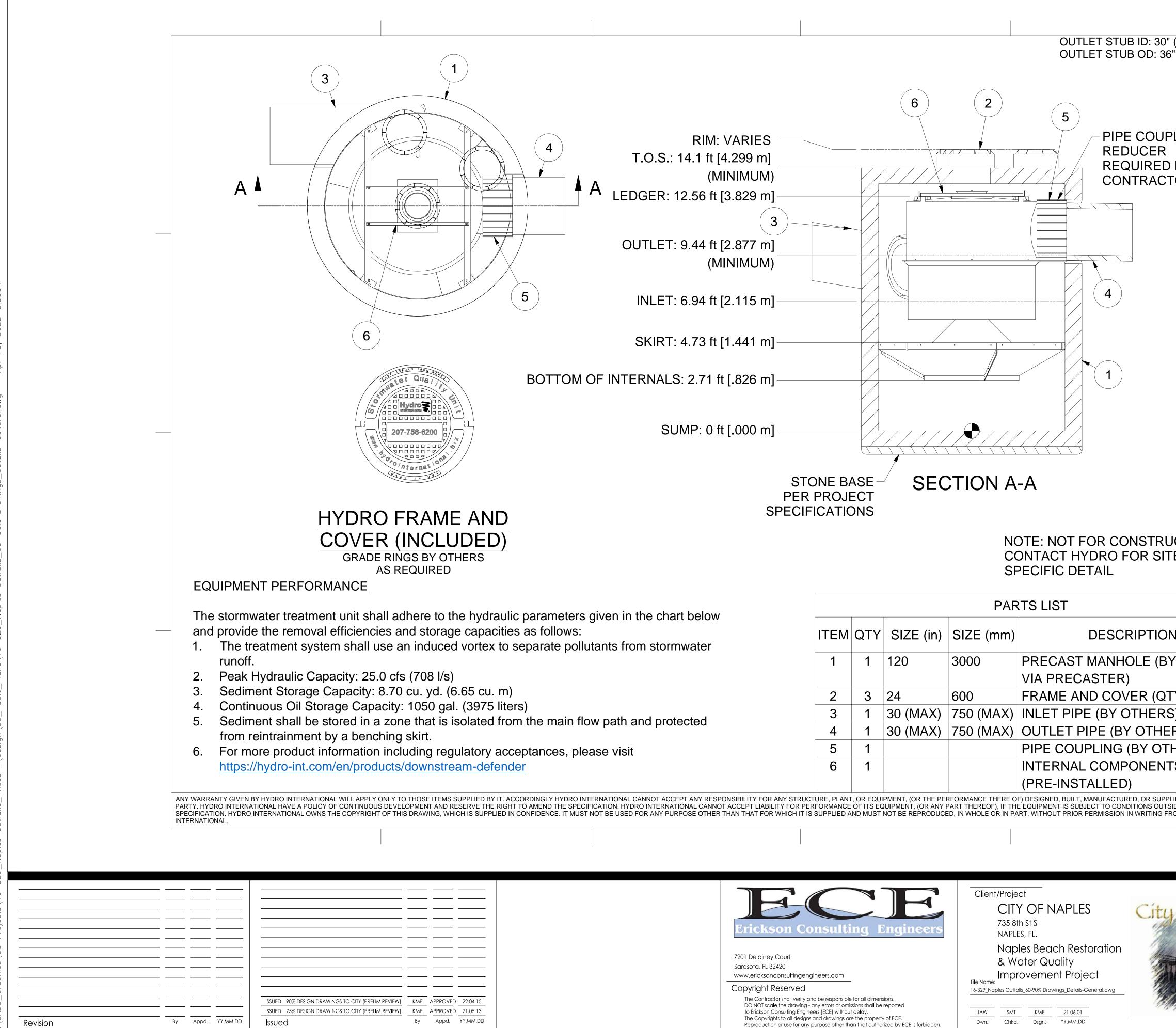


| HORIZO        | T<br>NTAL WALL | TABLE 1<br>REINFO  |
|---------------|----------------|--------------------|
| WALL<br>DEPTH | SCHEDULE       | AREA<br>(in.²/ft.) |
| 0' - 5'       | A12            | 0.20               |
| 5' - 9'       | A6             | 0.20               |
| 9' - 12'      | A4             | 0.24               |
| 9' - 15'      | B5.5           | 0.24               |
|               |                |                    |

| ( | 2 | D |
|---|---|---|
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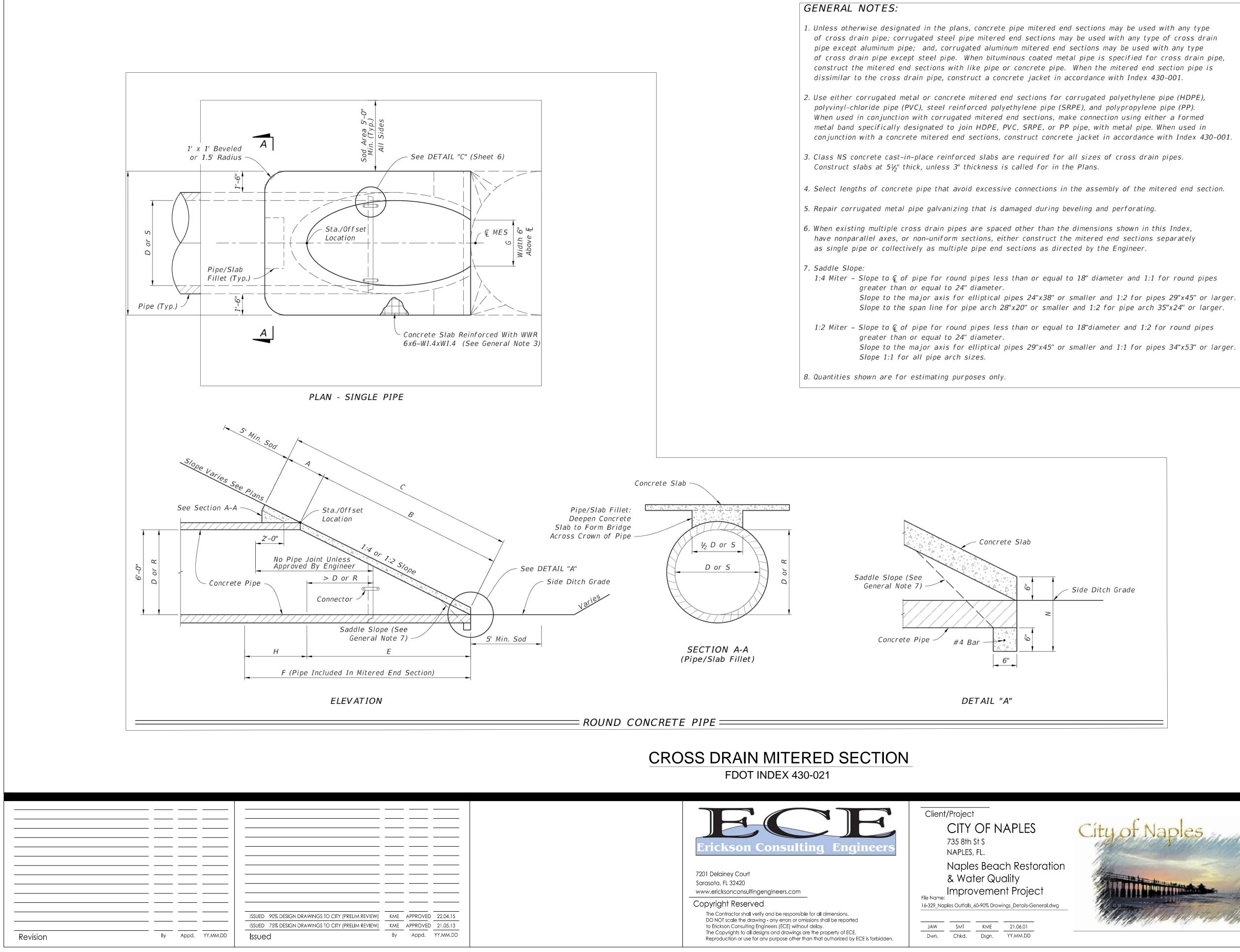






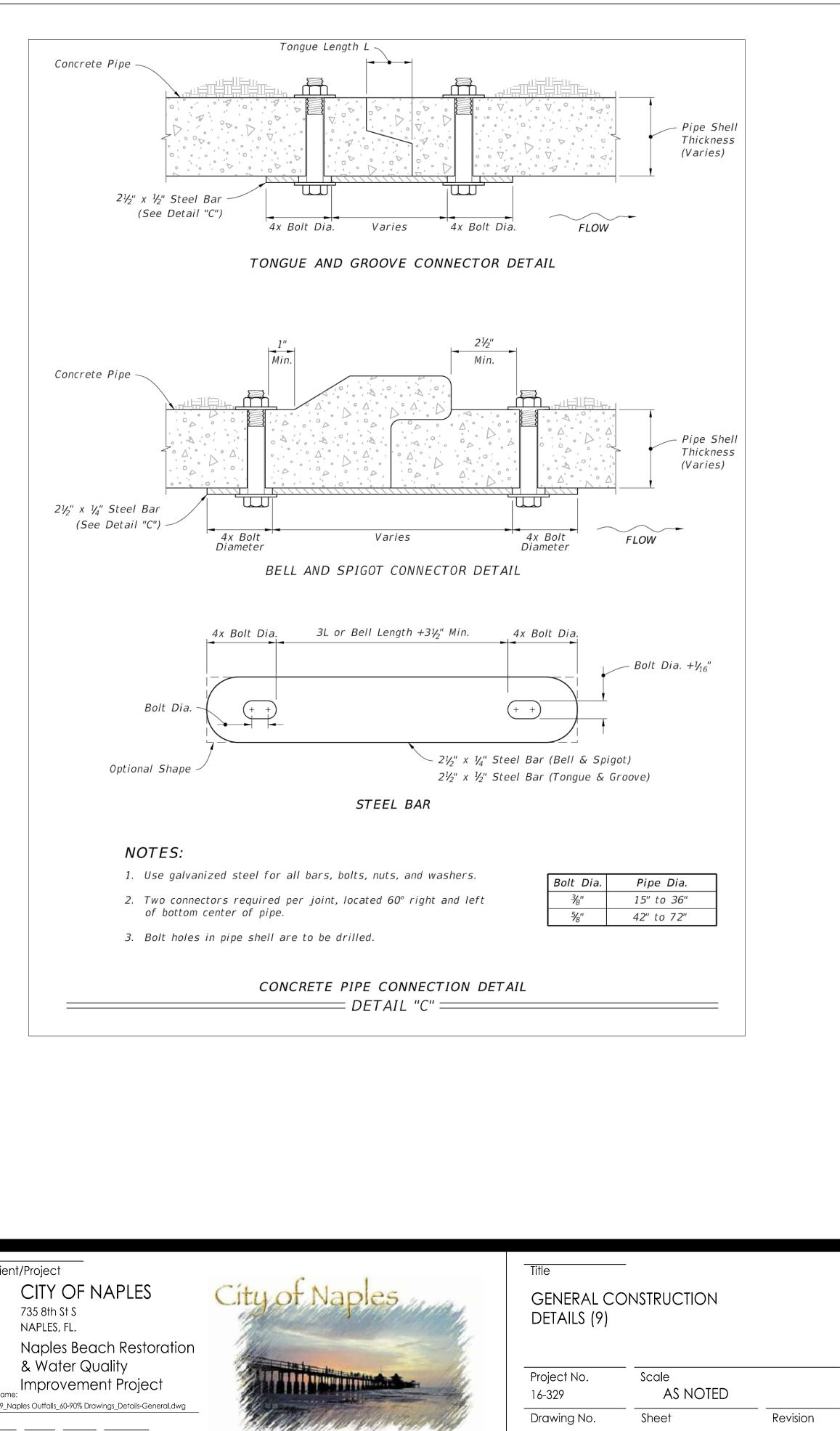
| neters given in the chart below         | PARTS LIST |     |           |           |                        |  |  |  |  |  |  |  |
|---|------------|-----|-----------|-----------|------------------------|--|--|--|--|--|--|--|
| llows:<br>te pollutants from stormwater | ITEM       | QTY | SIZE (in) | SIZE (mm) | DESCRIPTION            |  |  |  |  |  |  |  |
| •                                       | 1          | 1   | 120       | 3000      | PRECAST MANHOLE (BY    |  |  |  |  |  |  |  |
|   |            |     |           |           | VIA PRECASTER)         |  |  |  |  |  |  |  |
|   | 2          | 3   | 24        | 600       | FRAME AND COVER (QTY   |  |  |  |  |  |  |  |
| main flow path and protected            | 3          | 1   | 30 (MAX)  | 750 (MAX) | INLET PIPE (BY OTHERS) |  |  |  |  |  |  |  |
| nam now path and protected              | 4          | 1   | 30 (MAX)  | 750 (MAX) | OUTLET PIPE (BY OTHER  |  |  |  |  |  |  |  |
| es, please visit                        | 5          | 1   |           |           | PIPE COUPLING (BY OTH  |  |  |  |  |  |  |  |
|   | 6          | 1   |           |           | INTERNAL COMPONENTS    |  |  |  |  |  |  |  |
|   |            |     |           |           | (PRE-INSTALLED)        |  |  |  |  |  |  |  |
|   |            |     |           | ·<br>     | ·                      |  |  |  |  |  |  |  |

| I  |  |   |                   |          |
|--|--|---|-------------------|----------|
| (750 mm)                                       |  |   |                   |          |
| " (900 mm)                                     | PROJECTION   |   |                   |          |
|  |  |   |                   |          |
|  | IF IN DOU  | BT ASK  |                   |          |
|  | COMMENTS:<br>1. MANHOLE WALL   | AND SLAB  |                   |          |
| LING/  | THICKNESSES ARI<br>SCALE.  | E NOT TO  |                   |          |
| DV   | 2. CONTACT HYDR  |   |                   |          |
| BY<br>OR                                       | INTERNATIONAL F<br>BOTTOM OF STRU  |   |                   |          |
|  | ELEVATION PRIOR<br>SETTING DOWNST  |   |                   |          |
|  | DEFENDER MANH  |   |                   |          |
|  |  |   |                   |          |
|  |  |   |                   |          |
|  |  |   |                   |          |
|  |  |   |                   |          |
|  |  |   |                   |          |
|  |  | SCALE:<br>NTS   |                   |          |
|  | DRAWN BY: CHECKED  |   |                   |          |
|  | GW   |   |                   |          |
|  | 10ft-DIAMETER<br>DOWNSTREAM DE   | FENDER  |                   |          |
|  |  |   |                   |          |
|  |  |   |                   |          |
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| ICTION.  |  |   |                   |          |
| E  | <b>Hydr</b><br>Internatio  | So'   |                   |          |
|  | Intornatio   |   |                   |          |
|  | hydro-in   |   |                   |          |
| .1   | HYDRO INTER  |   |                   |          |
| Ν  | DO NOT SCALE DRAWING   |   |                   |          |
| ( HYDRO  | STEEL FABRICATION TOL<br>UNLESS OTHERWISE SPEC<br>DIMENSIONS ARE IN INCHE              | IFIED,  |                   |          |
| TY 3)  | LINEAR<br>000 - 012in = ±0.04in  | ANGULAR   |                   |          |
| <u>5)</u>                                      | 012 - 024in = $\pm 0.06in$<br>024 - 048in = $\pm 0.08in$<br>048 - 120in = $\pm 0.12in$ | 000 - 120in = ±1°<br>120 - 240in = ±0.5°<br>240in >>>> = ±0.25° |                   |          |
| ,,<br>RS)                                      | 120in >>>> = ±0.20in   |   |                   |          |
| HERS)  | N/A  | RIAL:   |                   |          |
| S  | REFERENCE NUMBER:  |   |                   |          |
| IED BY ANY THIRD                               | DRAWING NO.:   |   |                   |          |
| IED BY ANY THIRD<br>IDE ANY DESIGN<br>OM HYDRO | SHEET SIZE: SHEET:   | Rev:  |                   |          |
|  | B 1 OF 1   |   |                   |          |
| I  |  |   |                   |          |
|  |  |   |                   |          |
| C I  |  | Title   |                   |          |
| of Napl  | es, in the   | GENERAL CO  | NSTRUCTION        |          |
|  |  | DETAILS (7)   |                   |          |
| Total Inc.                                     |  |   |                   |          |
|  |  | Project No.<br>16-329   | Scale<br>AS NOTED |          |
| man  | and and the  | Drawing No.   | Sheet             | Revision |
| 1. The and the second                          | A A A A A A A A A A A A A A A A A A A  | CD  | 7                 | 0        |



| of Naples | Title<br>GENERAL CO<br>DETAILS (8)   | GENERAL CONSTRUCTION       |          |  |  |  |  |  |  |  |  |
|-----------|--------------------------------------|----------------------------|----------|--|--|--|--|--|--|--|--|
|           | Project No.<br>16-329<br>Drawing No. | Scale<br>AS NOTED<br>Sheet | Revision |  |  |  |  |  |  |  |  |
|           | CD                                   | 8                          | 0        |  |  |  |  |  |  |  |  |

|   |   |                  |                |        |                   |                |              |         |                  |                                     |                   |                        |              |                  |                           |                             | BLE       | 1     |                     |                       |                     |                     |                      |                     |                     |   |   |  |  |                 |
|---|---|------------------|----------------|--------|-------------------|----------------|--------------|---------|------------------|-------------------------------------|-------------------|------------------------|--------------|------------------|---------------------------|-----------------------------|-----------|-------|---------------------|-----------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---|---|--|--|-----------------|
|   | SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES |                  |                |        |                   |                |              |         |                  |                                     |                   |                        |              |                  |                           |                             |           |       |                     |                       |                     |                     |                      |                     |                     |   |   |  |  |                 |
|   |   |                  |                |        |                   |                |              |         | JLL              |                                     |                   |                        |              |                  |                           | <u>стс</u><br>м             | 1171      |       | 5½"                 | CONC.                 | SLAB (C             | (Y)                 | 3" (                 | CONC. S             | SLAB (C)            | -   |   | SODDII   | NG (SY)  |                 |
|   |   | Dia.<br>D        | R R            | s<br>S | X                 | A              | В            | 3       | С                | E                                   | F                 | G                      | Н            | -                | Double                    | Tripl                       | e Quad.   | ~ ~   | Single              | Genera<br>Double      | Triple              | Quad.               | Single               | Double              | al Note<br>Triple   | Quad.   | Single  | Double   | Triple   |                 |
|   |   | 15"              | <u> </u>       |        | 2'-7"             | 1.92'          | 2.1          |         | 4.10'            | 2.06'                               | 5'                | 1.22'                  | 2.9'         | Pipe<br>4.63'    | Pipe<br>7.21'             | Pipe<br>9.79                | )' 12.37' | 1.19' | <i>Pipe</i><br>0.38 | <i>Pipe</i><br>0.58   | <i>Pipe</i><br>0.77 | <i>Pipe</i><br>0.96 | <i>Pipe</i><br>0.27  | <i>Pipe</i><br>0.41 | <i>Pipe</i><br>0.54 | <i>Pipe</i><br>0.67   | <i>Pipe</i><br>21   | Pipe<br>24   | Pipe<br>27   | Pipe<br>30      |
|   |   | 18"<br>24"       | —   ·<br>—   · | —      | 2'-10"<br>3'-5"   | 1.97'<br>2.06' | 2.7<br>3.8   | 35'     | 4.71'<br>5.91'   | 2.56'<br>3.56'                      | 6'<br>7'          | 1.41'<br>1.73'         | 3.4'<br>3.4' | 4.92'<br>5.50'   | 7.75'<br>8.92'            | 10.58<br>12.33              | 8' 15.75' | 1.25' | 0.44<br>0.54        | 0.65<br>0.83          | 0.87<br>1.12        | 1.09<br>1.42        | 0.31<br>0.39         | 0.45<br>0.59        | 0.60<br>0.79        | 0.75<br>1.00  | 22<br>24  | 25<br>28   | 28<br>32   | 31<br>35        |
|   | 1.2   | 30"<br>36"       |                |        | 4'-3"<br>5'-1"    | 2.15'<br>2.25' | 4.9<br>6.0   | )8'     | 7.10'<br>8.33'   | 4.56'<br>5.56'                      | 8'<br>9'          | 2.00'<br>2.24'         | 3.4'<br>3.4' | 6.08'<br>6.67'   | 10.33'<br>11.75'          | 14.58<br>16.83              | 8' 21.92' |       | 0.66<br>0.81        | 1.09<br>1.38          | 1.50<br>1.95        | 1.91<br>2.51        | 0.46<br>0.55         | 0.76<br>0.94        | 1.04<br>1.33        | 1.32<br>1.71  | 26<br>28  | 31<br>34   | 35<br>39   | 40<br>45        |
| e   | Slop  | e 42" -<br>48" - |                |        | 6'-0"<br>6'-9"    | 2.34'<br>2.43' | 7.2          |         | 9.55'<br>10.76'  | 6.56'<br>7.56'                      | 10'<br>11'        | 2.45'<br>2.65'         | 3.4'<br>3.4' | 7.25'<br>7.83'   | 13.25'<br>14.58'          | 19.25<br>21.33              |           |       | 0.97<br>1.13        | 1.70<br>2.04          | 2.45<br>2.93        | 3.19<br>3.84        | 0.66<br>0.76         | 1.15<br>1.37        | 1.66<br>1.96        | 2.15<br>2.57  | 30<br>32  | 37<br>39   | 43<br>47   | 50<br>54        |
| e Pip   |   | 54"<br>60"       |                |        | 7'-8''<br>8'-6''  | 2.52'<br>2.62' | 9.4<br>10.5  |         | 11.96'<br>13.18' | 8.56'<br>9.56'                      | 12'<br>14'        | 2.83'<br>3.00'         | 3.4'<br>4.4' | 8.42'<br>9.00'   | 16.08'<br>17.50'          | 23.75                       |           |       | 1.31<br>1.51        | 2.44<br>2.89          | 3.58<br>4.28        | 4.72<br>5.68        | 0.87<br>0.99         | 1.62<br>1.90        | 2.38<br>2.81        | 3.14<br>3.73  | 34<br>36  | 42<br>45   | 51<br>55   | 59<br>64        |
| crete   |   | 66"<br>72"       | <u> </u>       |        | 9'-2''<br>10'-0'' | 2.71'<br>2.80' | 11.6<br>12.8 | 68'     | 14.39'<br>15.60' | 10.56'<br>11.56'                    | 15'<br>16'        | 3.18'<br>3.30'         | 4.4'<br>4.4' | 9.58'<br>10.16'  | 18.75'<br>20.16'          | 27.92<br>30.16              | ?' 37.08' |       | 1.68<br>1.89        | 3.25<br>3.74          | 4.84<br>5.59        | 6.43<br>7.45        | 1.11<br>1.24         | 2.15<br>2.46        | 3.21<br>3.68        | 4.27<br>4.90  | 38<br>40  | 48<br>51   | 58<br>62   | 68<br>73        |
| Conc  |   | 15"              |                | _      | 2'-7"<br>2'-10"   | 2.27'<br>2.36' | 4.0          | )9'     | 6.36'<br>7.48'   | 4.03'<br>5.03'                      | 8'<br>9'          | 1.22'<br>1.41'         | 4.0'<br>4.0' | 4.63'            | 7.21'                     | 9.79                        | )' 12.37' | 1.19' | 0.57                | 0.87                  | 1.15<br>1.31        | 1.44<br>1.65        | 0.40                 | 0.61                | 0.80                | 1.00<br>1.14  | 23<br>25  | 26<br>28   | 29<br>31   | 32<br>35        |
| pun   |   | 24"<br>30"       | <u> </u>       | _      | 3'-5"<br>4'-3"    | 2.53'<br>2.70' | 7.18         | 3′ ∧    | 9.71'<br>11.95'  | 7.03' ∆<br>9.03'                    | 11'<br>13'        | 1.7 <i>3'</i><br>2.00' | 4.0'<br>4.0' | 5.50'            | 8.92'<br>10.33'           | 12.33                       | 8' 15.75' | 1.25' | 0.85                | 1.30<br>1.74          | 1.75<br>2.39        | 2.20                | 0.60                 | 0.90                | 1.21<br>1.63        | 1.52<br>2.07  | 28<br>31  | 32<br>36   | 36<br>41   | 40<br>46        |
| Ro  | 1:4   | 36"              | <u> </u>       | —      | 5'-1"<br>6'-0"    | 2.87'<br>3.05' | 11.31        | 1' 💠    | 14.18'<br>16.42' | 11.03'<br>13.03'                    | > 15'             | 2.24'<br>2.45'         | 4.0'<br>4.0' | 6.67'<br>7.25'   | 11.75'<br>13.25'          | 16.83<br>19.25              | 8' 21.92' | 1.33' | 1.32<br>1.58        | 2.21                  | 3.08<br>3.91        | 3.96<br>5.09        | 0.89                 | 1.48<br>1.82        | 2.05                | 2.63<br>3.34  | 34<br>38  | 40<br>44   | 46   | 52<br>58        |
|   | Slop  | e 48" -<br>54" - |                |        | 6'-9"<br>7'-8"    | 3.22'<br>3.39' | 15.4         | 43'     | 18.65'<br>20.88' | 15.03'<br>17.03'                    | 19'<br>21'        | 2.65'<br>2.83'         | 4.0'<br>4.0' | 7.83'            | 14.58'<br>16.08'          | 21.33                       | 8' 28.08' | 1.42' | 1.85<br>2.14        | 3.30<br>3.95          | 4.73                | 6.17<br>7.58        | 1.05<br>1.21<br>1.39 | 2.15<br>2.55        | 3.07<br>3.72        | 4.00  | 41<br>44  | 48   | 56<br>61   | 63<br>69        |
|   |   | 60"              |                | —      | 8'-6"             | 3.56'          | 19.5         | 55'     | 23.11'           | 19.03'                              | 23'               | 3.00'                  | 4.0'         | 9.00'            | 17.50'                    | 26.00                       | )' 34.50' | 1.50' | 2.45                | 4.66                  | 6.87                | 9.07                | 1.59                 | 3.02                | 4.44                | 5.86  | 47  | 56   | 66   | 75              |
|   |   | 66"<br>72"       |                |        | 9'-2"<br>10'-0"   | 3.73'<br>3.91' | 21.6         | 68'     | 25.35'<br>27.59' | 21.03'<br>23.03'                    | 25'<br>27'        | 3.18'<br>3.30'         | 4.0'<br>4.0' | 9.58'<br>10.16'  | 18.75'<br>20.16'          | 27.92                       | 5' 40.16' | 1.58' | 2.88<br>3.54        | 5.54<br>6.61          | 8.18<br>9.87        | 10.84<br>13.13      | 1.91<br>2.12         | 3.66<br>4.18        | 5.40<br>6.24        | 7.15<br>8.30  | 49<br>52  | 59<br>63   | 69<br>74   | 80<br>85        |
|   |   |                  | 17             | 23"    | 2'-10"<br>3'-4"   | 1.97'<br>2.01' | 1.62<br>1.99 | 9'      | 3.59'<br>4.00'   | 1.56'<br>1.89'                      | 4'<br>5'          | 1.50'<br>1.90'         | 2.4'<br>3.1' | 4.92'<br>5.38'   | 7.75'<br>8.71'            | 10.58                       | " 15.38   |       | 0.30                | 0.49                  | 0.67                | 0.85                | 0.19<br>0.25         | 0.33                | 0.45                | 0.57  | 21<br>22  | 24<br>26   | 27<br>29   | 30<br>33        |
|   |   | —                | 24"            | 38"    | 4'-0"<br>5'-0"    | 2.11'<br>2.20' | 2.9          | 35'     | 5.03'<br>6.05'   | 2.73'<br>3.56'                      | 6'<br>7'          | 2.37'<br>2.85'         |              | 6.04'<br>6.79'   | 10.04'<br>11.79'          | 14.04<br>16.79              | ' 21.79'  | 1.31' | 0.50                | 0.80                  | 1.09<br>1.45        | 1.39<br>1.86        | 0.34                 | 0.55                | 0.75                | 0.95  | 24<br>26  | 28<br>31   | 33<br>37   | 37<br>42        |
| e   | 1:2<br>Slop   |                  | 34"            | 53"    | 5'-11"<br>7'-0"   | 2.34'<br>2.43' | 4.7          | 2'      | 7.13'<br>8.15'   | 4.39'<br>5.23'                      | 8'<br>9'          | 3.19'<br>3.57'         | 3.6'<br>3.8' | 7.50'<br>8.25'   | 13.42'<br>15.25'          |                             | 5' 29.25' | 1.42' | 0.75                | 1.30<br>1.61          | 1.84<br>2.32        | 2.39<br>3.03        | 0.52                 | 0.90                | 1.27<br>1.60        | 1.65<br>2.09  | 28<br>30  | 34<br>37   | 41<br>45   | 47<br>53        |
| e Pipe  |   |                  | 43"            | 68"    | 7'-10"<br>8'-11"  | 2.52'<br>2.62' | 6.4<br>7.3   | 39'     | 8.98'<br>10.01'  | 5.89'<br>6.73'                      | 9'<br>10'         | 3.95'<br>4.28'         | 3.3'         | 8.92'<br>9.67'   | 16.75'<br>18.58'          | 27.50                       |           | 1.50' | 1.03<br>1.19        | 1.89<br>2.26          | 2.74<br>3.33        | 3.60<br>4.40        | 0.70<br>0.81         | 1.29<br>1.54        | 1.87<br>2.26        | 2.46<br>2.99  | 31<br>33  | 40<br>43   | 49<br>53   | 57<br>63        |
| crete   |   |                  | 53"            | 83"    | 9'-11"<br>10'-8"  | 2.71'<br>2.80' | 8.3<br>9.2   | 26'     | 11.04'<br>12.06' | 7.56'<br>8.39'                      | 11'<br>12'        | 4.59'<br>4.77'         |              | 10.42'<br>11.08' | 21.75'                    | 32.42                       | 2' 43.08' | 1.58' | 1.38<br>1.55        | 2.65<br>3.03          | 3.93<br>4.50        | 5.21<br>5.96        | 0.93<br>1.04         | 1.79<br>2.04        | 2.66<br>3.03        | 3.53<br>4.02  | 35<br>37  | 46<br>49   | 57<br>61   | 68<br>73        |
| Conc  |   | —                | 58"            | 91"    | 11'-8"<br>2'-10"  | 2.90'<br>2.36' | 10.1         | 19'     | 13.09'<br>5.42'  | 9.23'<br>3.03'                      | 13'<br>5'         | 5.01'<br>1.50'         | 3.8'<br>2.0' | 11.83'<br>4.92'  | 23.50'<br>7.75'           | 35.17<br>10.58              | '' 46.83' | 1.63' | 1.75<br>0.45        | 3.47<br>0.68          | 5.20<br>0.92        | 6.93<br>1.14        | 1.17<br>0.30         | 2.33<br>0.45        | 3.49<br>0.61        | 4.66<br>0.76  | 39<br>23  | 52<br>26   | 65<br>29   | 78<br>32        |
| ical (  |   |                  | 14"<br>19"     | 23"    | 3'-4"<br>4'-0"    | 2.44'<br>2.62' | 3.7<br>5.4   | 75'     | 6.19'<br>8.09'   | 3.70'<br>5.36'                      | 6'<br>8'          | 1.90'<br>2.37'         | 2.3'<br>2.6' | 5.38'<br>6.04'   | 8.71'<br>10.04'           | 12.04<br>14.04              | " 15.38   | 1.23' | 0.53<br>0.74        | 0.83<br>1.15          | 1.13<br>1.57        | 1.42<br>1.98        | 0.36<br>0.51         | 0.56<br>0.79        | 0.76<br>1.08        | 0.95<br>1.36  | 24<br>27  | 28<br>32   | 32<br>36   | 35<br>40        |
| Elliptic  |   |                  | 24"            | 38"    | 5'-0"<br>5'-11"   | 2.79'<br>3.05' | 7.18         | 8'      | 9.97'<br>11.95'  | 7.03'<br>8.70'                      |                   | 2.85'<br>3.19'         |              | 6.79'<br>7.50'   | 11.79'<br>13.42'          | 16.79<br>19.33              | ' 21.79'  | 1.31' | 0.97                | 1.57<br>2.07          | 2.19<br>2.92        | 2.81<br>3.77        | 0.68<br>0.86         | 1.10<br>1.45        | 1.53<br>2.04        | 1.96<br>2.63  | 30<br>33  | 36<br>40   | 41<br>46   | 47 53           |
| Ш   | 1:4<br>Slop   |                  | 34"            | 53"    | 7'-0"<br>7'-10"   | 3.22'<br>3.39' | 10.6<br>11.9 | 62'     | 13.84'<br>15.38' | 10.36'                              | 13'               | 3.57'<br>3.95'         | 2.6'         | 8.25'<br>8.92'   | 15.25'<br>16.75'          | 22.2                        |           | 1.42' | 1.48<br>1.72        | 2.62<br>3.12          | 3.77<br>4.53        | 4.92<br>5.92        | 1.02<br>1.18         | 1.81<br>2.14        | 2.60<br>3.10        | 3.39<br>4.05  | 36<br>38  | 44 47  | 52<br>56   | 59<br>65        |
|   |   | —                | 43"            | 68"    | 8'-11"<br>9'-11"  | 3.56'<br>3.73' | 13.7<br>15.4 | 71'     | 17.27'<br>19.16' | 13.36'<br>15.03'                    | 17'<br>17'<br>19' | 4.28'<br>4.59'         | 3.6'<br>4.0' | 9.67'<br>10.42'  | 18.58'<br>20.33'          | 27.50                       | )' 36.42' | 1.50' | 2.02                | 3.78<br>4.49          | 5.56                | 7.32                | 1.38<br>1.59         | 2.58                | 3.79<br>4.51        | 4.99  | 41<br>44  | 51<br>55   | 61<br>66   | 71<br>77        |
|   |   |                  | 53"            | 83"    | 10'-8"<br>11'-8"  | 3.91'<br>4.08' | 17.1         | 15'     | 21.06'<br>22.95' |                                     | 20'<br>22'        | 4.77'                  | 3.3'         | 11.08'<br>11.83' | 20.55<br>21.75'<br>23.50' | 32.42                       | 2' 43.08' | 1.58' | 2.66                | 5.17<br>5.98          | 7.66                | 10.16<br>11.90      | 1.80<br>2.04         | 3.50<br>4.04        | 5.19<br>6.05        | 6.88<br>8.05  | 47 50   | 59<br>63   | 71<br>76   | 83<br>89        |
|   |   |                  |                |        |                   |                |              |         |                  |                                     |                   |                        |              |                  | B<br>∆ 6.4                | 2′ 🛆                        |           |       | ,                   | nitted to<br>ard pipe |                     | ·.                  |                      |                     |                     |   |   |  |  |                 |
| $\diamond$ 10.40' $\diamond$ 10.10' Dimensions permitted to allow |   |                  |                |        |                   |                |              |         |                  |                                     |                   |                        |              |                  |                           |                             |           |       |                     |                       |                     |                     |                      |                     |                     |   |   |  |  |                 |
|   |   |                  |                |        |                   |                |              |         |                  |                                     |                   |                        |              |                  |                           |                             |           |       |                     |                       |                     |                     |                      |                     |                     |   |   |  |  |                 |
|   |   |                  |                |        |                   |                |              |         | <br><br>         |                                     |                   |                        |              |                  |                           |                             |           |       |                     |                       |                     |                     |                      |                     |                     |   | FDO   |  | EX 430   | RED 8<br>-021   |
| Revisi  | ion   |                  |                |        |                   | By Ap          |              | Y.MM.DD | _   _            | ssued 90% d<br>ssued 75% d<br>ssued |                   |                        |              | · · ·            | KME A                     | PPROVED<br>PPROVED<br>Appd. | 21.05.13  |       |                     |                       |                     |                     |                      |                     | Sar<br>ww<br>Co     | pyright R<br>The Contract<br>DO NOT scal<br>to Erickson C<br>The Copyrigh | 2420<br>consultinge<br>consultinge<br>tor shall verify<br>to shall verify<br>to shall verify<br>to shall verify<br>consulting Eng<br>nts to all desig | and be respo<br>g - any errors c<br>ineers (ECE) w<br>gns and drawir | onsible for all<br>or omissions sl<br>vithout delay<br>ngs are the p | all be reported |



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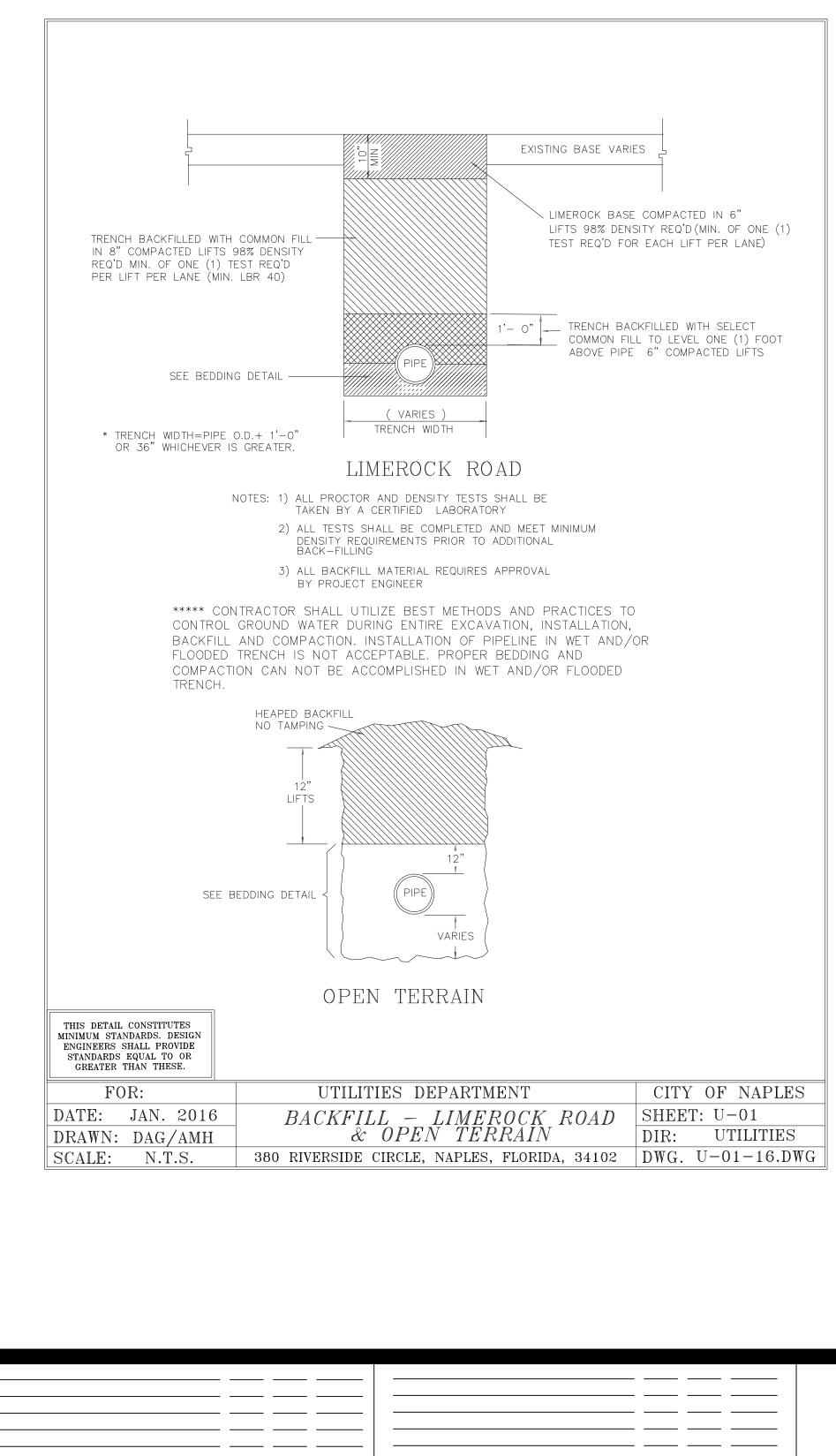
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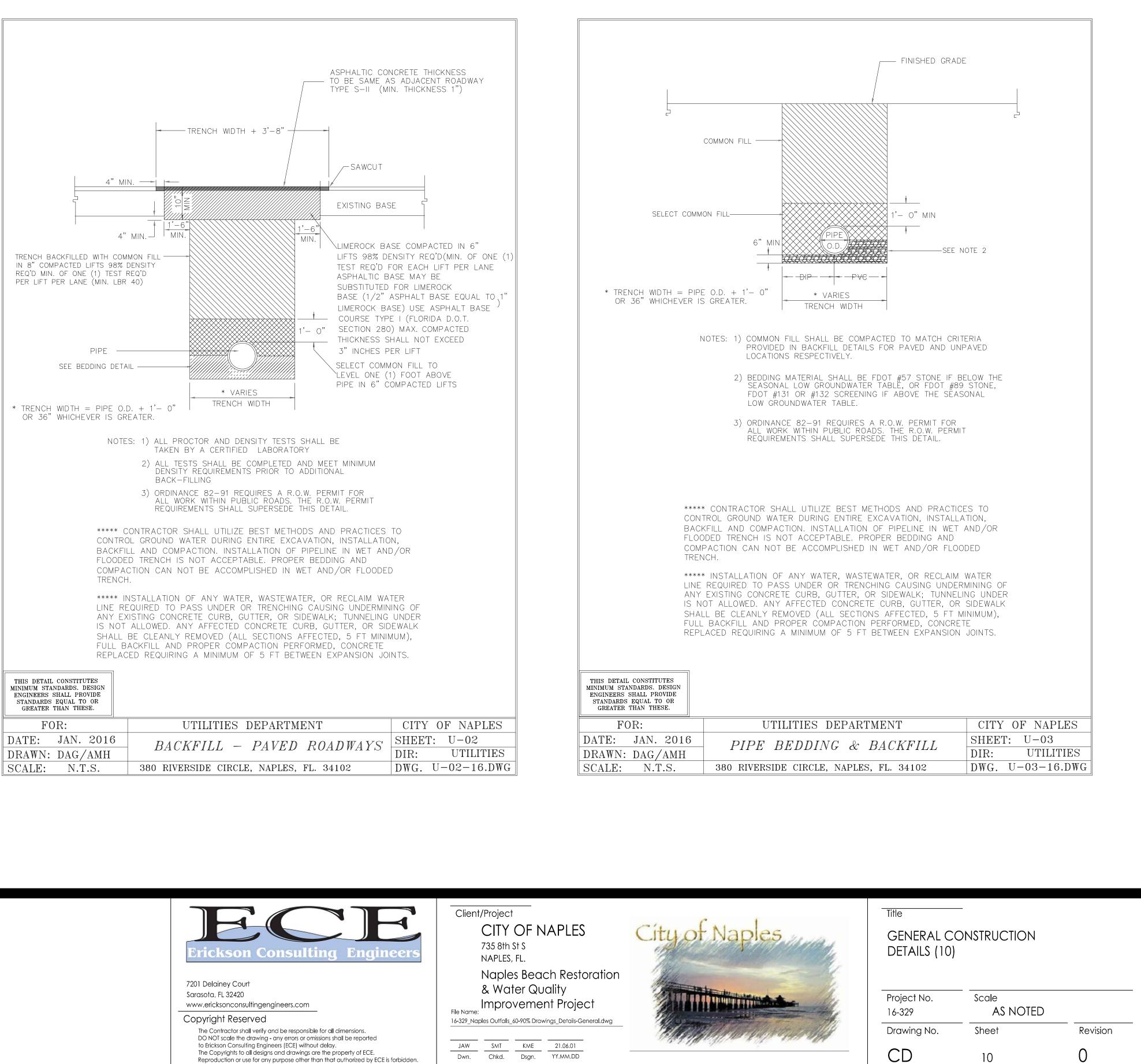


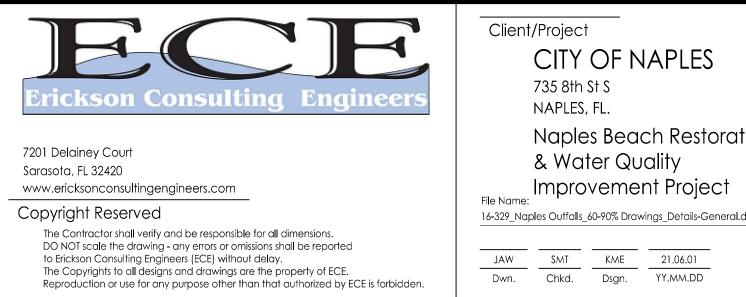


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|                          | Naple   | es Bea | ch Restora                           | tion |
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|                          |         |        | ,                                    |      |
|                          | Impro   | veme   | nt Proiect                           |      |
| File Name:<br>16-329_Naj | •       |        | nt Project<br>vings_Details-General. | dwg  |
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|                          | •       |        | •                                    | dwg  |

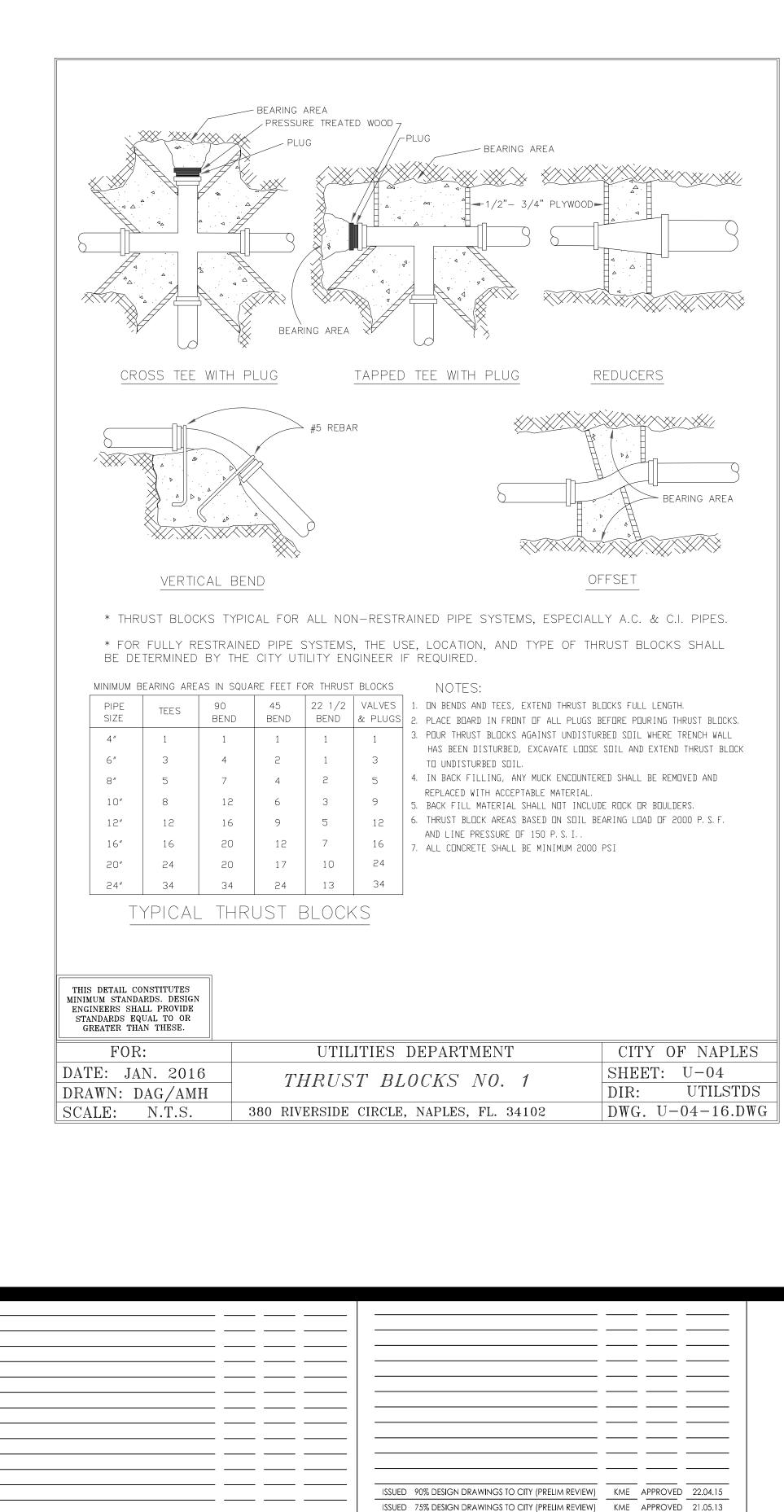


|          |    |       |          | ISSUED 90% DESIGN DRAWINGS TO CITY (PRELIM REVIEW) | KME | APPROVED | 22.04.15 |
|----------|----|-------|----------|--|-----|----------|----------|
|          |    |       |          | ISSUED 75% DESIGN DRAWINGS TO CITY (PRELIM REVIEW) | KME | APPROVED | 21.05.13 |
| Revision | Ву | Appd. | YY.MM.DD | Issued   | Ву  | Appd.    | YY.MM.DD |



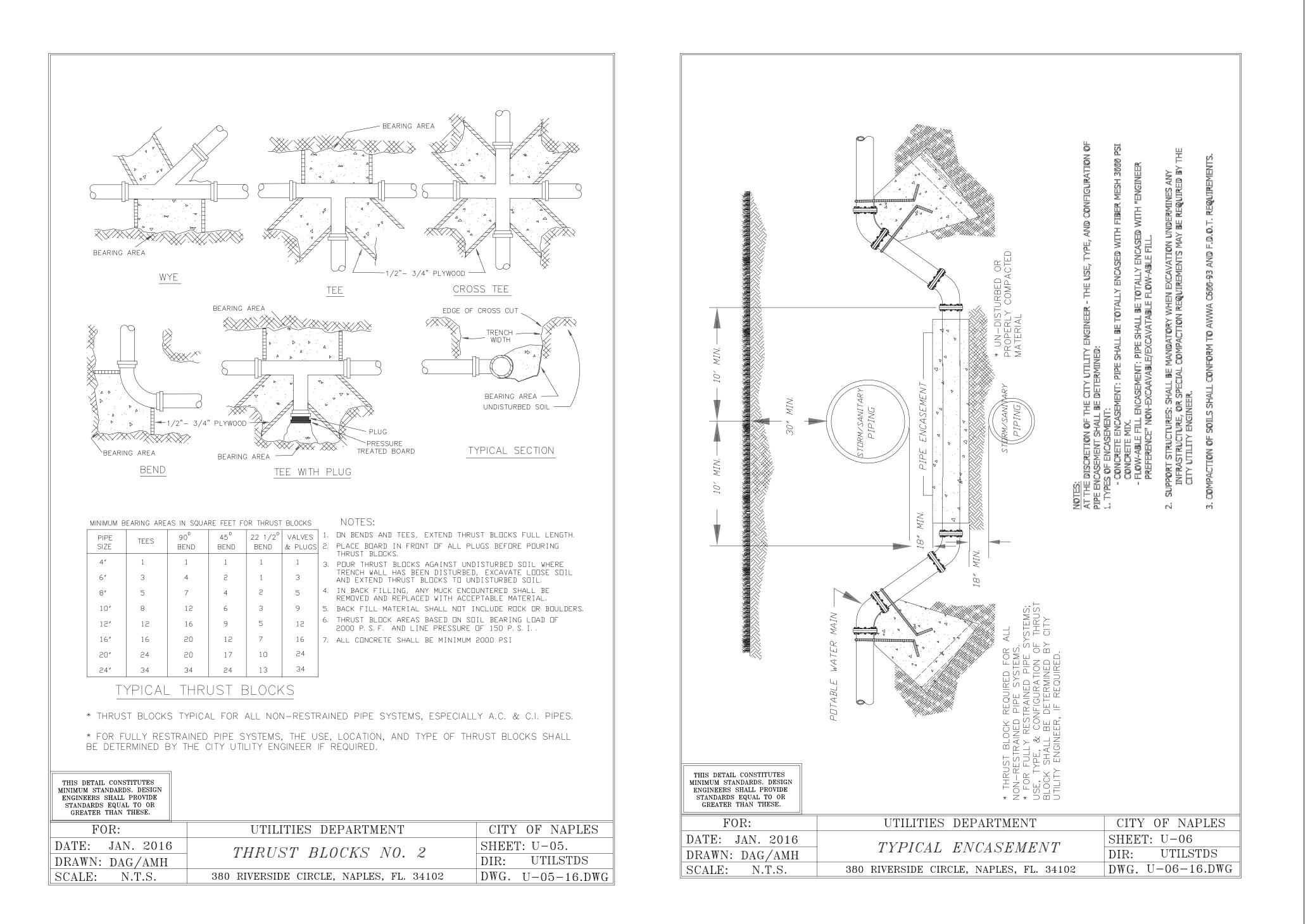


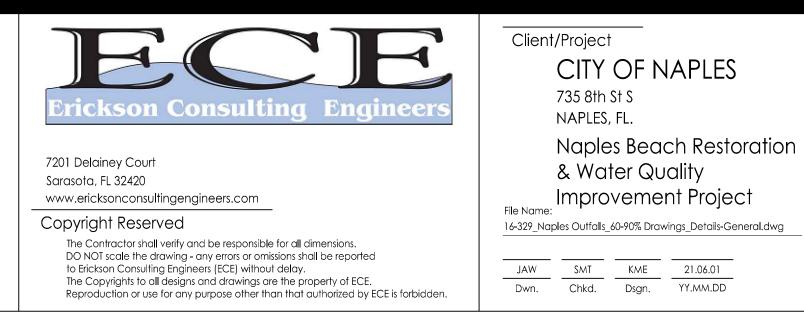




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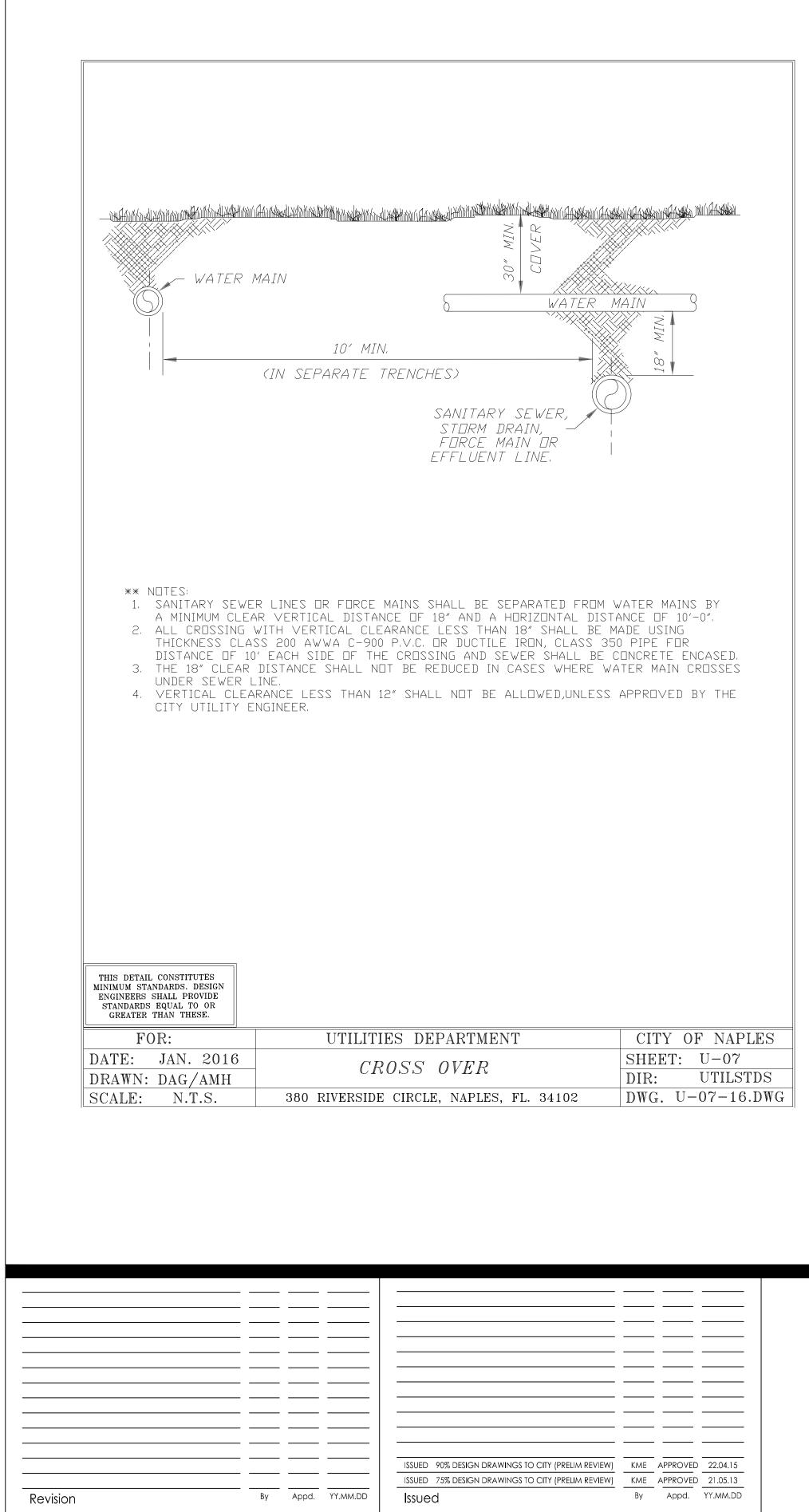
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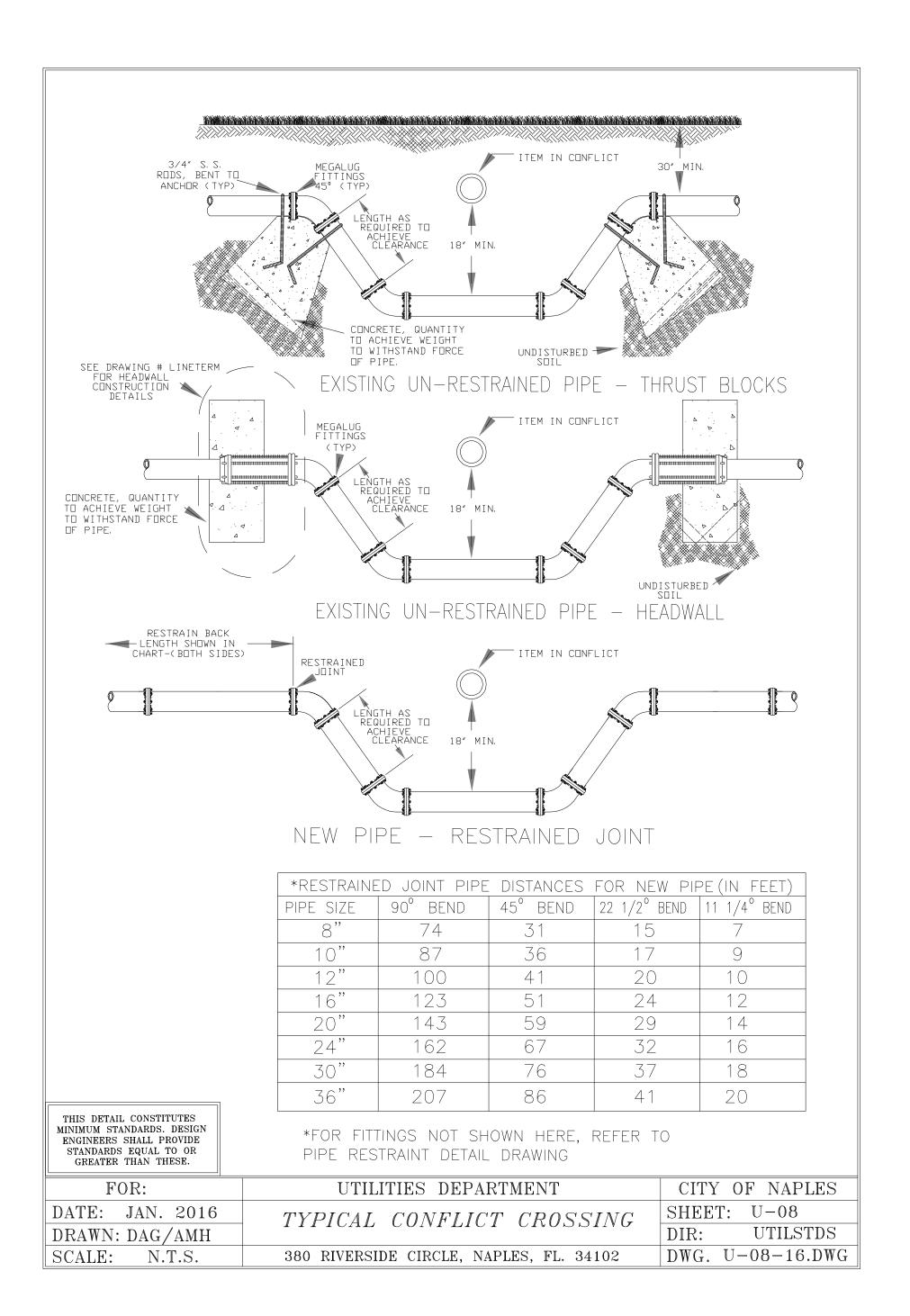


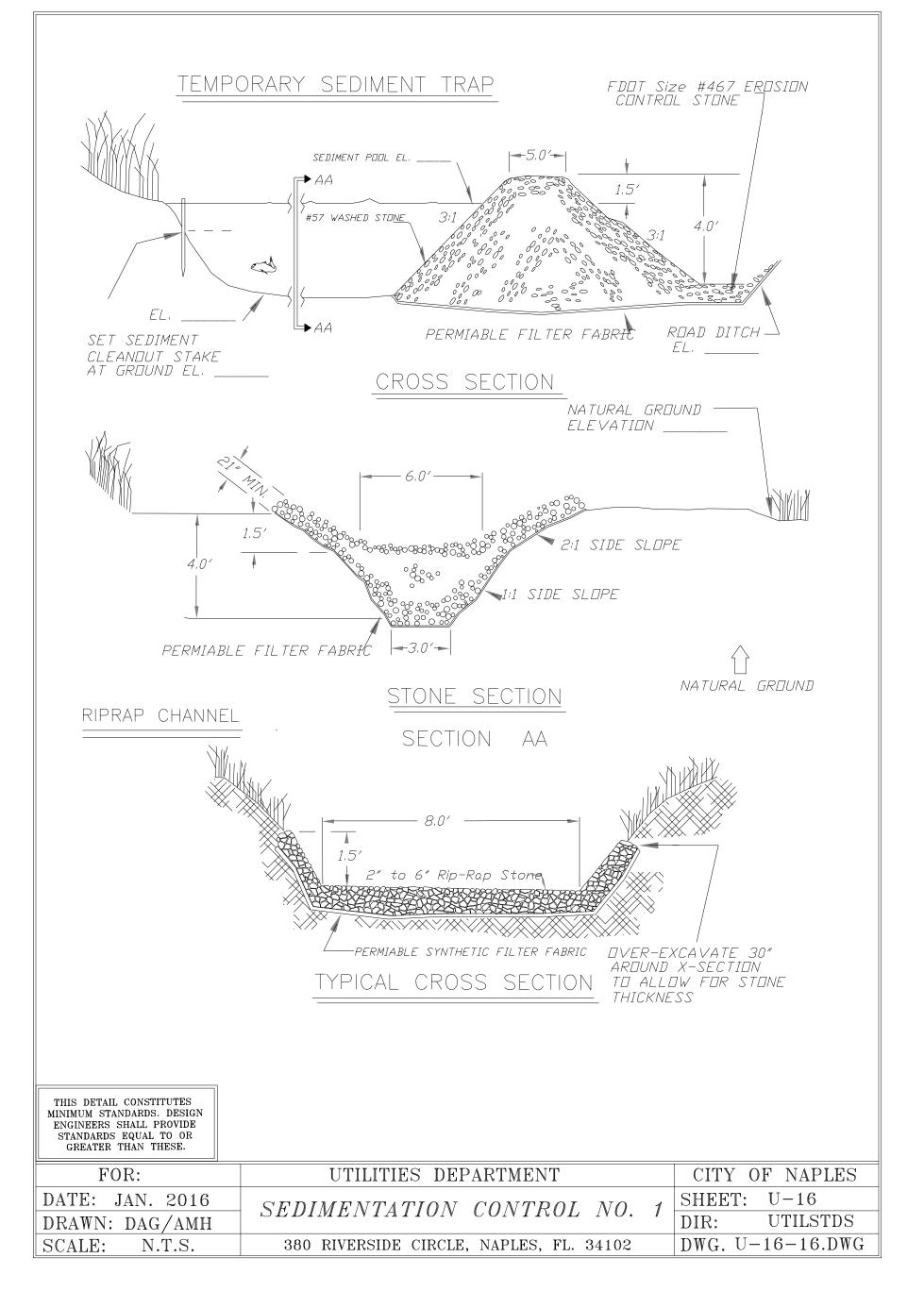


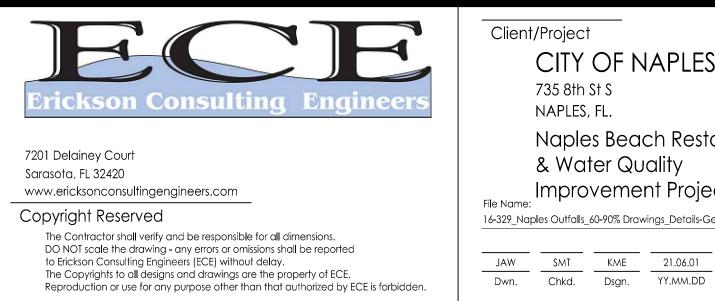


| of Naples  | Title<br>GENERAL CONSTRUCTION<br>DETAILS (11) |                   |               |  |  |  |  |  |  |  |
|--|---|-------------------|---------------|--|--|--|--|--|--|--|
|  | Project No.<br>16-329                         | Scale<br>AS NOTED |               |  |  |  |  |  |  |  |
| AND MANDER AND | Drawing No.                                   | Sheet<br>11       | Revision<br>O |  |  |  |  |  |  |  |





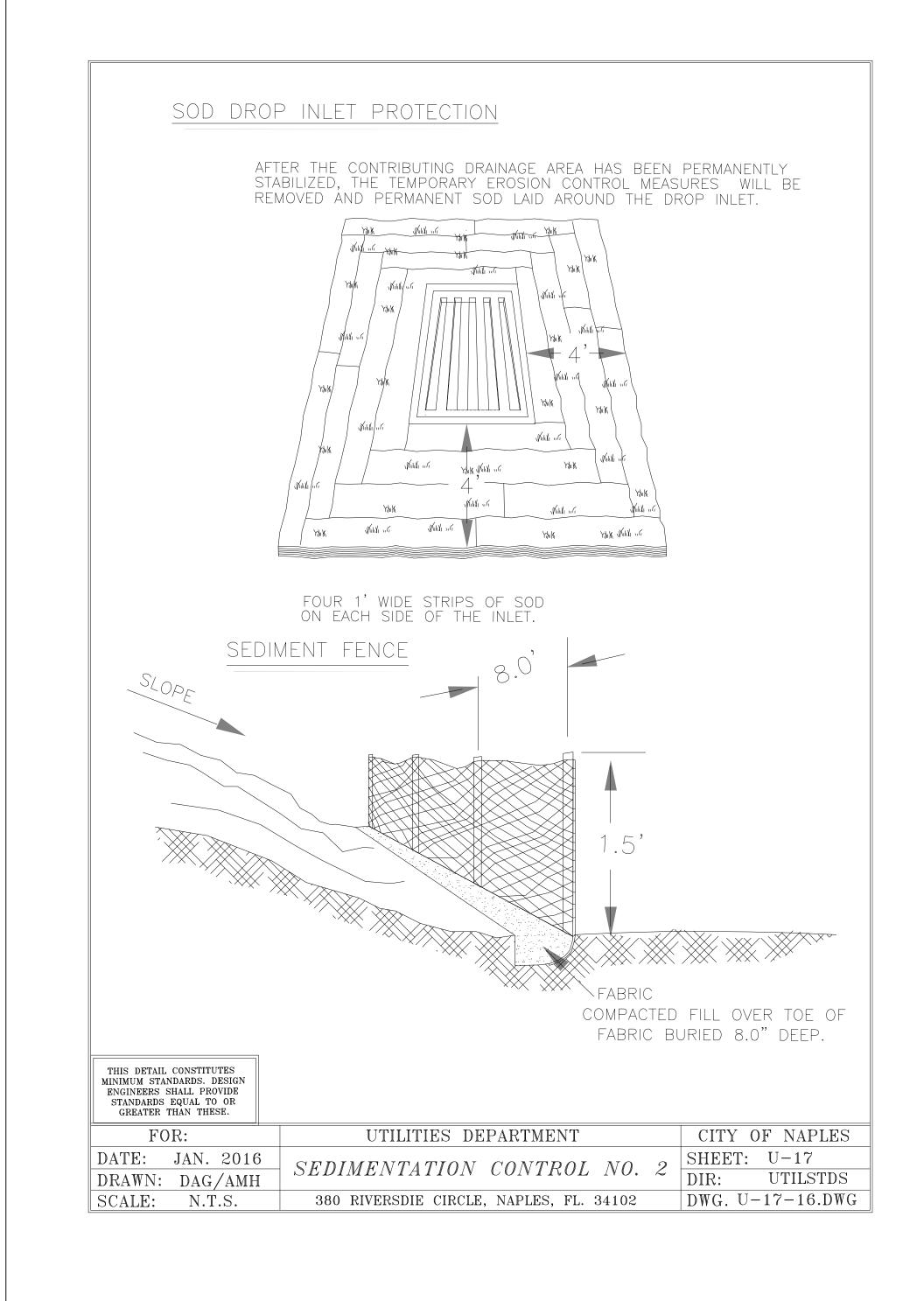




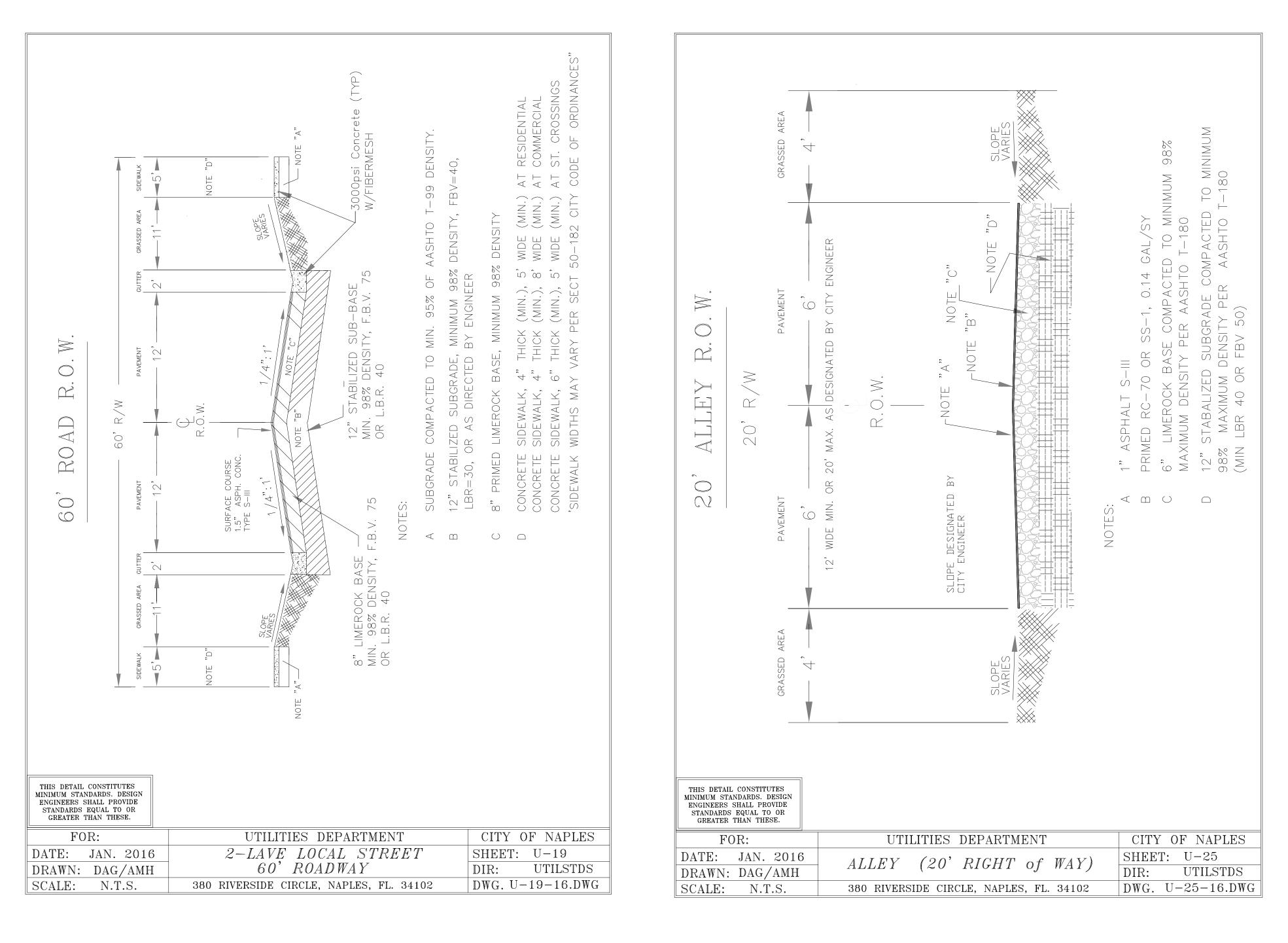


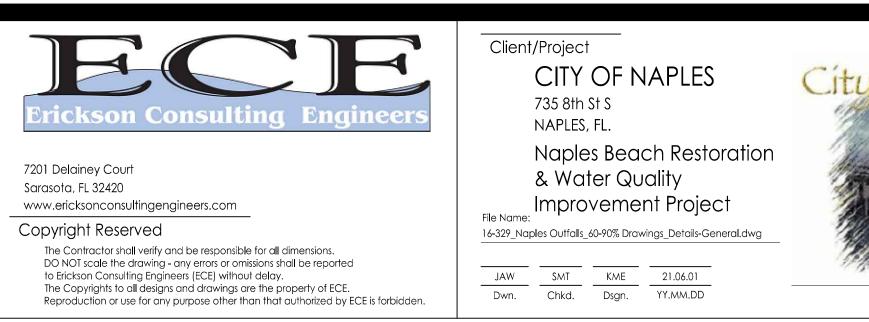


| of Naples   | Title<br>GENERAL CONSTRUCTION<br>DETAILS (12) |                   |          |  |  |
|---|---|-------------------|----------|--|--|
|   | Project No.<br>16-329                         | Scale<br>AS NOTED |          |  |  |
| and have the second of the                        | Drawing No.                                   | Sheet             | Revision |  |  |
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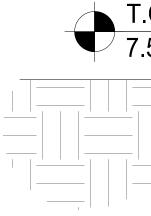
|          |    |       |          | · |       |
|----------|----|-------|----------|---|-------|
|          |    |       |          | ISSUED 90% DESIGN DRAWINGS TO CITY (PRELIM REVIEW) KME APPROVED 22.04   | 4.15  |
|          |    |       |          | ISSUED 75% DESIGN DRAWINGS TO CITY (PRELIM REVIEW) KME APPROVED 21.03   |       |
|          |    | Appd  |          |   |       |
| Revision | Ву | Appd. | YY.MM.DD | Issued By Appd. YY.MA   | vi.DD |

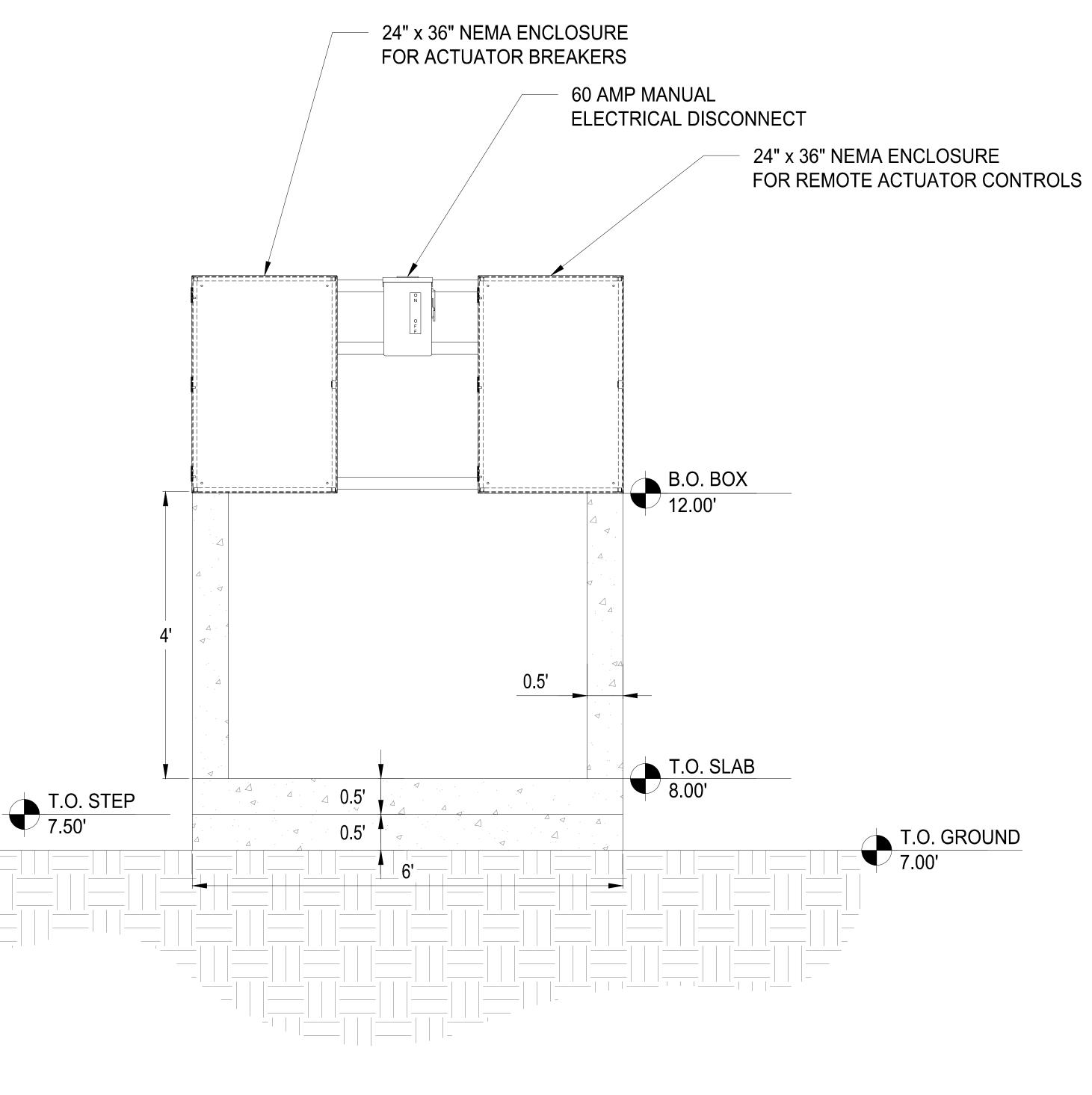




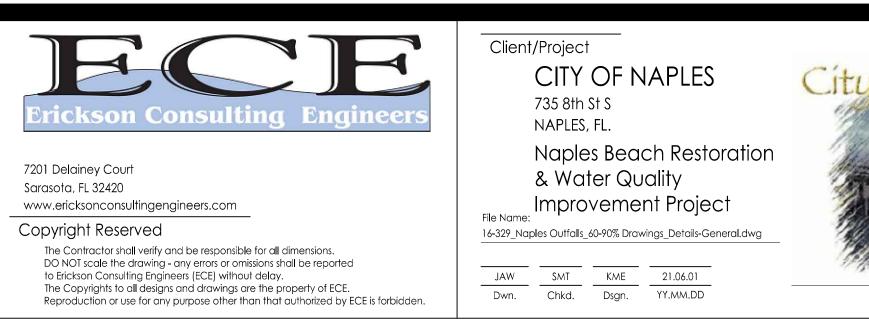
| of Naples   | Title<br>GENERAL CONSTRUCTION<br>DETAILS (13) |                            |              |  |  |
|---|---|----------------------------|--------------|--|--|
|   | Project No.<br>16-329<br>Drawing No.          | Scale<br>AS NOTED<br>Sheet | <br>Revision |  |  |
| T. T. M. W. M. Land M. C. | CD  | 13                         | 0            |  |  |

|          |    |       |          | Image: Sued 90% design drawings to city (Prelim review) Kme APPROVED 22.04.15   ISSUED 75% design drawings to city (Prelim review) Kme APPROVED 21.05.13 |
|----------|----|-------|----------|--|
| Revision | Ву | Appd. | YY.MM.DD | Issued By Appd. YY.MM.DD   |





ALLIGATOR LAKE ELECTRICAL PANEL DETAIL N.T.S.



| of Naples | Title<br>GENERAL CONSTRUCTION<br>DETAILS (14) |                            |          |  |  |
|-----------|---|----------------------------|----------|--|--|
|           | Project No.<br>16-329<br>Drawing No.          | Scale<br>AS NOTED<br>Sheet | Revision |  |  |
|           | CD  | 14                         | 0        |  |  |