

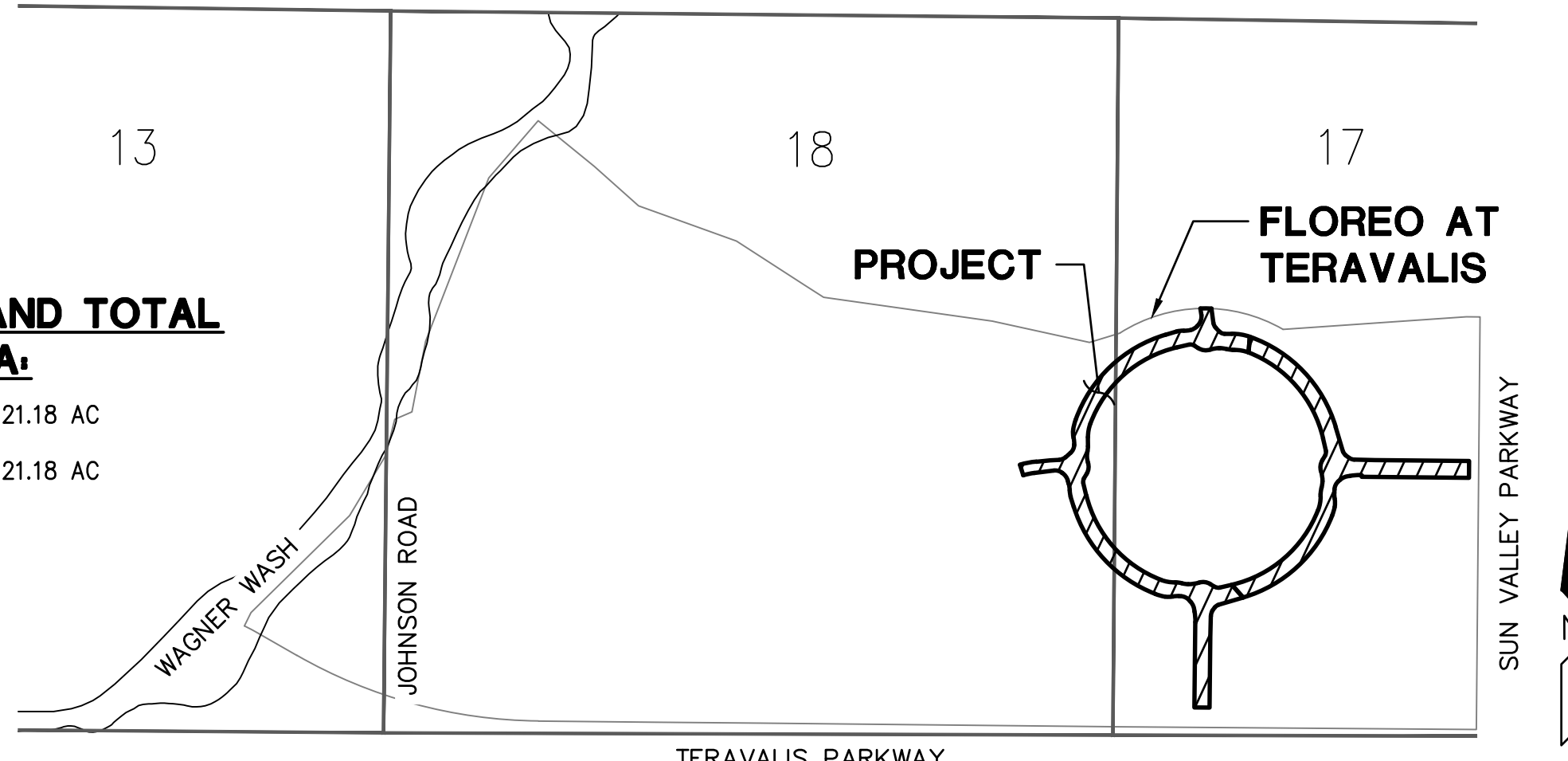
# FLOREO AT TERAVALIS

## FLOREO CIRCLE

### OFFSITE PAVING PLAN

#### BUCKEYE, ARIZONA

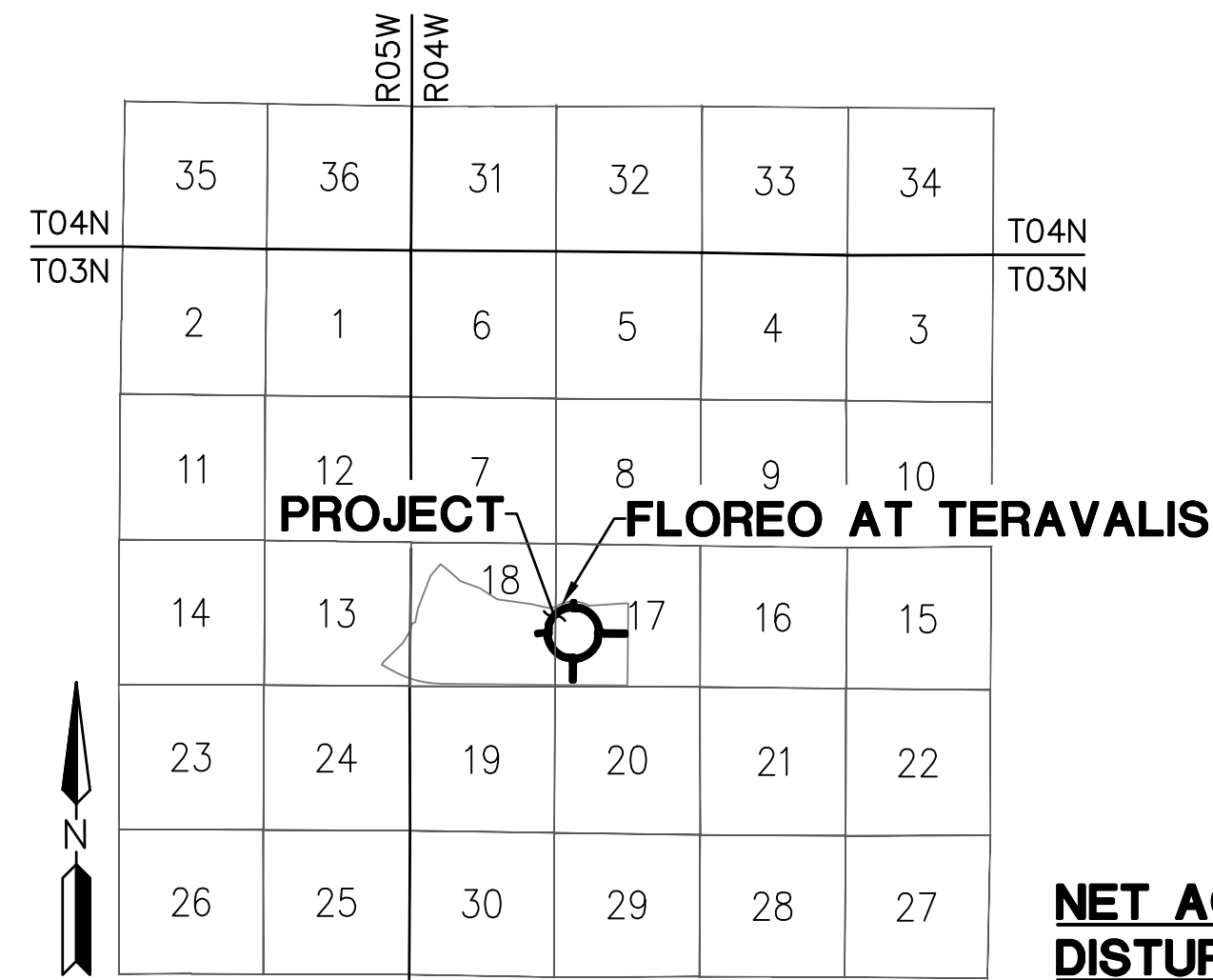
LOCATED IN A PORTION OF THE WEST HALF OF SECTION 17 AND PORTIONS OF SECTION 18, TOWNSHIP 3 NORTH, RANGE 4 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA



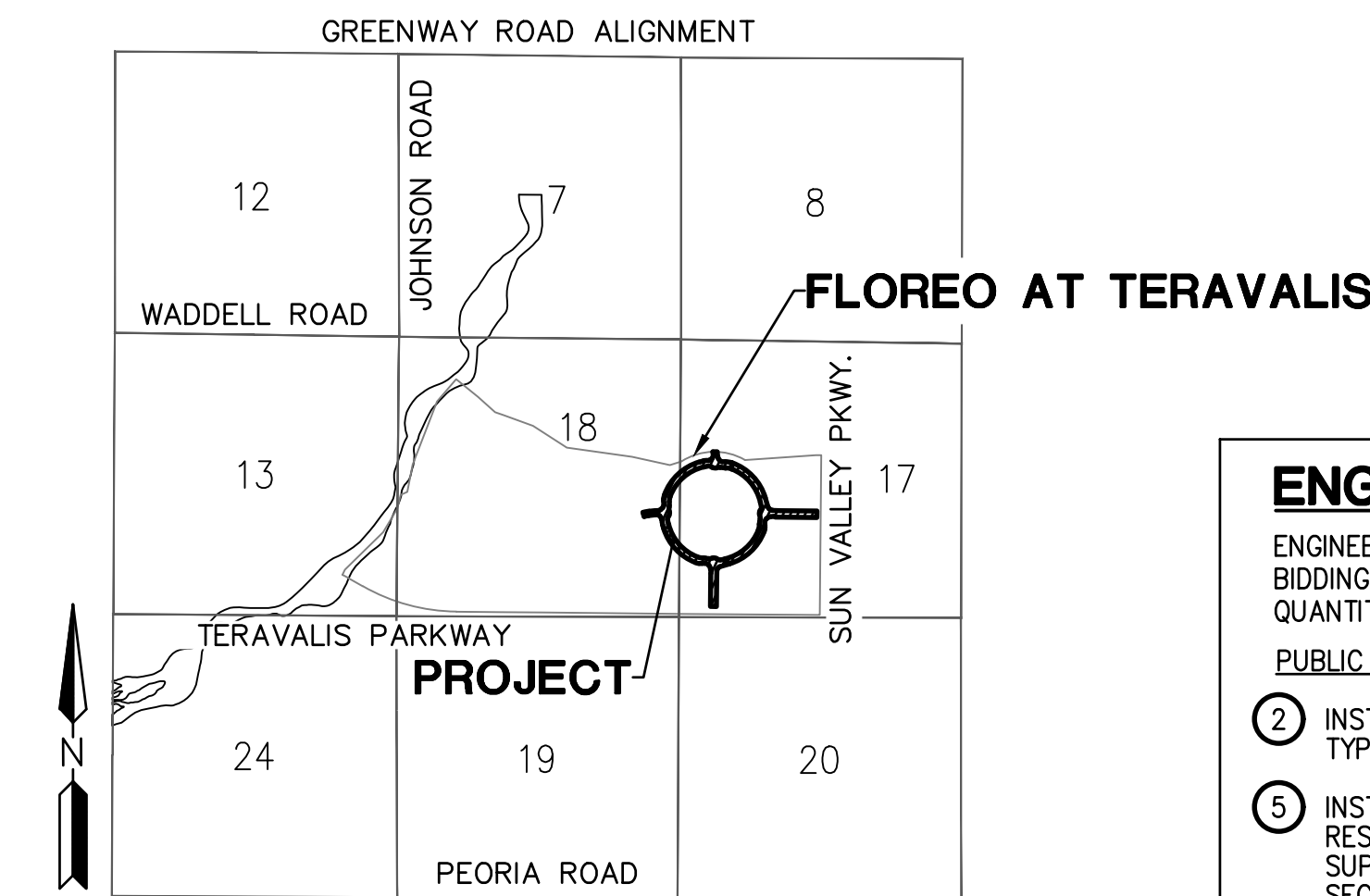
OVERALL DEVELOPMENT  
NTS

#### NET ACREAGE AND TOTAL DISTURBED AREA:

|                      |          |
|----------------------|----------|
| TOTAL DISTURBED AREA | 21.18 AC |
| NET AREA             | 21.18 AC |



VICINITY MAP  
NTS



LOCATION MAP  
NTS

#### GENERAL PERMITTING NOTES

- ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF BUCKEYE DESIGN STANDARDS. IF THERE IS A CONFLICT, THE CITY OF BUCKEYE STANDARDS WILL GOVERN.
- THE APPROVAL OF THE PLANS IS VALID FOR ONE (1) YEAR FROM THE DATE OF THE CITY ENGINEER'S SIGNATURE. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN ONE (1) YEAR, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- A CITY OF BUCKEYE INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF BUCKEYE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY THE CITY 24 HOURS PRIOR TO THE INSPECTION BY CALLING (623) 349-6248.
- CITY PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. A CITY PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER ALL FEES HAVE BEEN PAID AND THE PERMIT HAS AN APPROVED MARICOPA COUNTY ENVIRONMENTAL SERVICES DUST PERMIT AND AN APPROVED STORM WATER POLLUTION PREVENTION PLAN ATTACHED. THE SWPPP SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- COPIES OF ALL PERMITS AND MOST RECENT APPROVED PLANS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS AND PLANS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL PROPER PERMIT DOCUMENTATION AND/OR PLANS ARE OBTAINED. ALL OF THESE REQUIREMENTS APPLY TO ONSITE GRADING AND IMPROVEMENT PLANS.

| UTILITY COMPANIES |                        | DATE SUBMITTED |
|-------------------|------------------------|----------------|
| ELECTRIC          | ARIZONA PUBLIC SERVICE | 03/02/2022     |
| TELEPHONE         | COX COMMUNICATIONS     | 03/02/2022     |
| CATV              | COX COMMUNICATIONS     | 03/02/2022     |
| WATER             | CITY OF BUCKEYE        | 01/04/2022     |
| SEWER             | CITY OF BUCKEYE        | 01/04/2022     |
| GAS               | SOUTHWEST GAS          | 03/02/2022     |

#### ENGINEER'S ESTIMATED QUANTITIES

ENGINEER'S QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY, NOT FOR BIDDING PURPOSES. CONTRACTOR SHALL BASE THEIR BID ON THEIR OWN QUANTITY TAKEOFFS. ENGINEER MAKES NO GUARANTEE OF ACCURACY.

##### PUBLIC PAVING CONSTRUCTION

- INSTALL SURVEY MONUMENT; MAG STD DTL 120 TYPE 'B'. 5 EA
- INSTALL PAVEMENT 6" AC (2" OF A 12.5MM ARTERIAL SUPERPAVE) OVER 4" OF A 19.0MM ARTERIAL SUPERPAVE) OVER 10" ABC; SEE TYPICAL SECTION ON SHEET DT03. 25432 SY
- INSTALL PAVEMENT 6" AC (2" OF A 12.5MM ARTERIAL SUPERPAVE) OVER 12" ABC; SEE TYPICAL SECTION ON SHEET DT03. 10808 SY
- CONSTRUCT 4" ROLL CURB & GUTTER PER MAG STD DTL 220-1, TYPE C, WITH DEPRESSED LIP. 1556 LF
- CONSTRUCT 6" VERTICAL CURB & GUTTER, PER MAG STD DTL 220-1, TYPE A. 16017 LF
- CONSTRUCT 6" SINGLE VERTICAL CURB PER MAG STD DTL 222, TYPE B. 3402 LF
- CONSTRUCT 6' SIDEWALK; MAG STD DTL 230. 47083 SF
- CONSTRUCT 8' SIDEWALK; MAG STD DTL 230. 35271 SF
- ADJUST WATER VALVE BOX & COVER PER MAG DTL 391-2. 35 EA
- ADJUST MANHOLE FRAME & COVER PER MAG STD DTL 422 AND COB DTL 41260. 31 EA
- INSTALL FIRE HYDRANT PAVEMENT MARKER; PER COB DTL 31440. 16 EA
- CONSTRUCT 6" VERTICAL CURB & GUTTER, PER MAG STD DTL 220-1, TYPE A, WITH DEPRESSED LIP. 14842 LF
- CONSTRUCT MEDIAN NOSE; PER COB DTL 63220. 3 EA
- INSTALL IRRIGATION SLEEVE PRIOR TO HARDSCAPE INSTALLATION AND NOT WITHIN THE STRUCTURAL SECTION OF THE STREET. SEE LANDSCAPE PLAN COB ENG-22-0043 FOR DETAILS. 0 NPI
- CONSTRUCT PERPENDICULAR CURB RAMP PER MAG STD DTL 238-1. 28 EA
- INSTALL STAMPED ASPHALT PATTERN AND COLOR PER OWNERS REPRESENTATIVE. 3140 SY
- CONSTRUCT BICYCLE RAMP PER DETAIL 2 ON DT04, ELEVATIONS PER PLAN, CURB TERMINATION PER MAG STD DTL 222. INSTALL RIBBON CURB IN OPENING OF RAMP. 24 EA
- INSTALL BRICK PAVERS PATTERN AND COLOR PER OWNERS REPRESENTATIVE. 888 SY
- INSTALL DETECTABLE WARNING STRIP PER ADA SOLUTIONS, INC DTL ADA-REP2460. 1215 SF
- INSTALL COMMERCIAL DRIVEWAY PER COB STD DTL 63451 WITH DIRECTIONAL SIDEWALK RAMPS PER MAG STD DTL 237-1. 1 EA

- CONSTRUCT 24" RIBBON CURB PER MAG STD DTL 220-1, TYPE B. 140 LF
- CONSTRUCT 10' SIDEWALK; MAG STD DTL 230. 27156 SF
- CONSTRUCT TWO CHAMBER DRYWELL; DETAIL PER COB STD DTL B-501. RIM ELEVATION 0.3FT ABOVE BASIN BOTTOM. A MINIMUM OF 20' FROM HEADWALL. LOCATION NOTED IS TO CENTER OF INTERCEPTOR. 11 EA
- CONSTRUCT CONCRETE OUTLET HEADWALL PER COB STD DTL 51200 WITH TRANSHRACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD DTL B-110. 9 EA
- PLACE LOOSE RIP-RAP D50=3", THICKNESS 12" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 52 SY
- PLACE LOOSE RIP-RAP D50=4", THICKNESS 18" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 33 SY
- PLACE LOOSE RIP-RAP D50=6", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 11 SY
- PLACE LOOSE RIP-RAP D50=9", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 464 SY
- PLACE LOOSE RIP-RAP D50=12", THICKNESS 30" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 142 SY
- INSTALL 18" RGRCP STORM DRAIN, CLASS IV 420 LF
- INSTALL 24" RGRCP STORM DRAIN, CLASS IV 621 LF
- INSTALL 36" RGRCP STORM DRAIN, CLASS IV 830 LF
- PLACE LOOSE RIP-RAP D50=15", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 226 SY
- INSTALL 20' WIDE ALL-WEATHER ACCESS ROAD, 6" THICK STABILIZED DECOMPOSED GRANITE. 389 SY
- CONSTRUCT CATCH BASIN; PER COB DTL B-510A & B-510B; SIZE PER PLAN 12 EA
- CONSTRUCT 3 BARREL 10' X 4' BOX CULVERT SEE DETAILS ON SHEET SD04 & SD05, SPECS & ADOT STD DTL SD 6.05. 774 LF
- CONSTRUCT 5 BARREL 10' X 4' BOX CULVERT SEE DETAILS ON SHEET SD04 & SD05, SPECS & ADOT STD DTL SD 6.05. 760 LF
- CONSTRUCT INLET WING PER ADOT STD DTL SD 6.08, (6:1 SLOPE ON WING WALLS). SEE DETAILS ON SHEET SD04 & SD05, SAFETY RAIL PER MAG STD DTL 145. 2 EA
- CONSTRUCT OUTLET WING PER ADOT STD DTL SD 6.08, (6:1 SLOPE ON WING WALLS). SEE DETAILS ON SHEET SD04 & SD05, SAFETY RAIL PER MAG STD DTL 145. 2 EA
- CONSTRUCT CONCRETE INLET HEADWALL PER COB STD DTL 51200, MODIFIED FOR 5-36" PIPES WITH TRANSHRACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD DTL B-110. 1 EA
- CONSTRUCT CONCRETE OUTLET HEADWALL PER COB STD DTL 51200, MODIFIED FOR 5-36" PIPES WITH TRANSHRACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD DTL B-110. 1 EA
- CONSTRUCT 8' X 8' BOX CULVERT FOR PEDESTRIAN UNDERPASS. SEE DETAILS ON SHEET SD04 & SD05, SPECS & ADOT STD DTL SD 6.05. 155 LF
- INSTALL 18" RGRCP STORM DRAIN, CLASS V 180 LF
- INSTALL DROP INLET HEADWALL PER MAG STD DTL 501-5. 1 EA

#### ENGINEER

HILGARTWILSON, LLC  
2141 E. HIGHLAND AVENUE SUITE 250  
PHOENIX, AZ 85016  
PHONE: (602) 490-0535  
FAX: (602) 368-2436  
CONTACT: DAVID GEORGE  
EMAIL: DGEORGE@HILGARTWILSON.COM

#### LANDSCAPE ARCHITECT

ABLA  
310 E RIO SALADO PARKWAY  
TEMPE, AZ 85281  
PHONE: (480) 530-0387  
CONTACT: BRIAN ROGERS  
EMAIL: BRIAN.ROGERS@ABLASTUDIO.COM

#### SHEET INDEX

|           |          |                             |
|-----------|----------|-----------------------------|
| SHT 1     | CV01     | COVER SHEET                 |
| SHT 2     | DT01     | KEY MAP & LEGEND            |
| SHT 3-5   | DT02-04  | NOTES & DETAILS             |
| SHT 6-21  | PV01-16  | PAVING PLAN & PROFILE       |
| SHT 22-25 | PV017-20 | PAVING PLAN MEDIAN DETAIL   |
| SHT 26    | SD01     | BOX CULVERT PLAN & PROFILES |
| SHT 27-28 | SD02-03  | STORM DRAIN PROFILES        |
| SHT 29-30 | SD04-05  | BOX CULVERT DETAILS         |

#### APPROVAL

##### DISCLAIMER:

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS AND OMISSIONS.

BY: BUCKEYE CITY ENGINEER DATE

#### REVISED APPROVAL

##### DISCLAIMER:

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS AND OMISSIONS.

BY: BUCKEYE CITY ENGINEER DATE

#### AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "AS - BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ARIZONA REGISTERED LAND SURVEYOR/P.E. DATE

ARIZONA REGISTRATION NUMBER

TELEPHONE NUMBER

#### ENGINEER'S ESTIMATED EARTHWORK QUANTITIES

|   |                     |
|---|---------------------|
| GROSS CUT                                       | 834,956 C.Y.        |
| GROSS FILL                                      | 378,345 C.Y.        |
| SHRINKAGE LOSS (ASSUME 15%)                     | 125,243 C.Y.        |
| <b>ADJUSTED NET EARTHWORK QUANTITY (EXPORT)</b> | <b>322,368 C.Y.</b> |

- EARTHWORK QUANTITIES ARE ESTIMATED VOLUMES BASED ON RAW VOLUMES. THE CONTRACTOR SHALL PREPARE THEIR OWN EARTHWORK ANALYSIS FOR BIDDING PURPOSES.
- EARTHWORK QUANTITIES DO NOT INCLUDE TEMPORARY RETENTION BASINS.

**FLOREO AT TERAVALIS, CONSISTING OF 7 MIXED USE/COMMERCIAL/HIGH DENSITY PARCELS, 13 RESIDENTIAL PARCELS, COLLECTORS, ARTERIALS, & PARKWAYS, WILL BE GRADED AT ONE TIME AND UNDER THE MASS GRADING PERMIT. SEE MASS GRADING PLAN FOR OVERALL EARTHWORK QUANTITIES.**

#### FEMA FLOOD ZONE DESIGNATION PHASE NOTE

| COMMUNITY NUMBER | PANEL # | SUFFIX | DATE OF FIRM (INDEX DATE) | FIRM ZONE |
|------------------|---------|--------|---------------------------|-----------|
| 040039           | 1605    | L      | 10/16/2013                | AE, A, X  |

PHASE 1 OF FLOREO AT TERAVALIS INCLUDES PARCELS 37 - 43 AND OFFSITE PHASE 1 INFRASTRUCTURE WHICH WILL BE BUILT CONCURRENTLY.

- CONSTRUCT OUTLET WING PER ADOT STD DTL SD 6.08, (6:1 SLOPE ON WING WALLS). SEE DETAILS ON SHEET SD04 & SD05, SAFETY RAIL PER MAG STD DTL 145. 2 EA
- CONSTRUCT CONCRETE INLET HEADWALL PER COB STD DTL 51200, MODIFIED FOR 5-36" PIPES WITH TRANSHRACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD DTL B-110. 1 EA
- CONSTRUCT CONCRETE OUTLET HEADWALL PER COB STD DTL 51200, MODIFIED FOR 5-36" PIPES WITH TRANSHRACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD DTL B-110. 1 EA
- CONSTRUCT 8' X 8' BOX CULVERT FOR PEDESTRIAN UNDERPASS. SEE DETAILS ON SHEET SD04 & SD05, SPECS & ADOT STD DTL SD 6.05. 155 LF
- INSTALL 18" RGRCP STORM DRAIN, CLASS V 180 LF
- INSTALL DROP INLET HEADWALL PER MAG STD DTL 501-5. 1 EA

#### OWNER/DEVELOPER

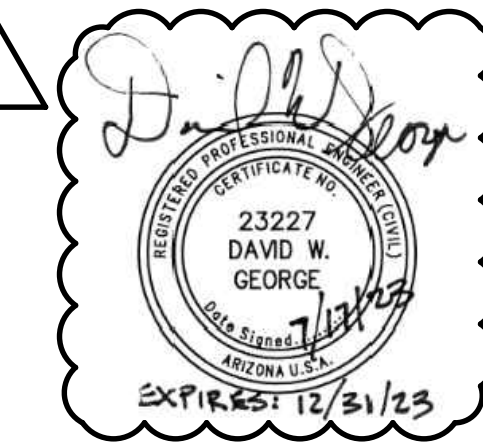
TRILLIUM LAND COMPANY, LLC  
4150 N. DRINKWATER BLVD, SUITE 100  
SCOTTSDALE, AZ 85251  
CONTACT: HEATH MELTON  
PHONE: (602) 834-9115  
EMAIL: HEATH.MELTON@HOWARDHUGHES.COM  
CONTACT: BRAD HINTON  
PHONE: (602) 955-2424  
EMAIL: BHINTON@ELDORADOHOLDINGS.NET

#### BASIS OF BEARING

N89°24'50"W ALONG THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 18, TOWNSHIP 3 NORTH, RANGE 4 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.

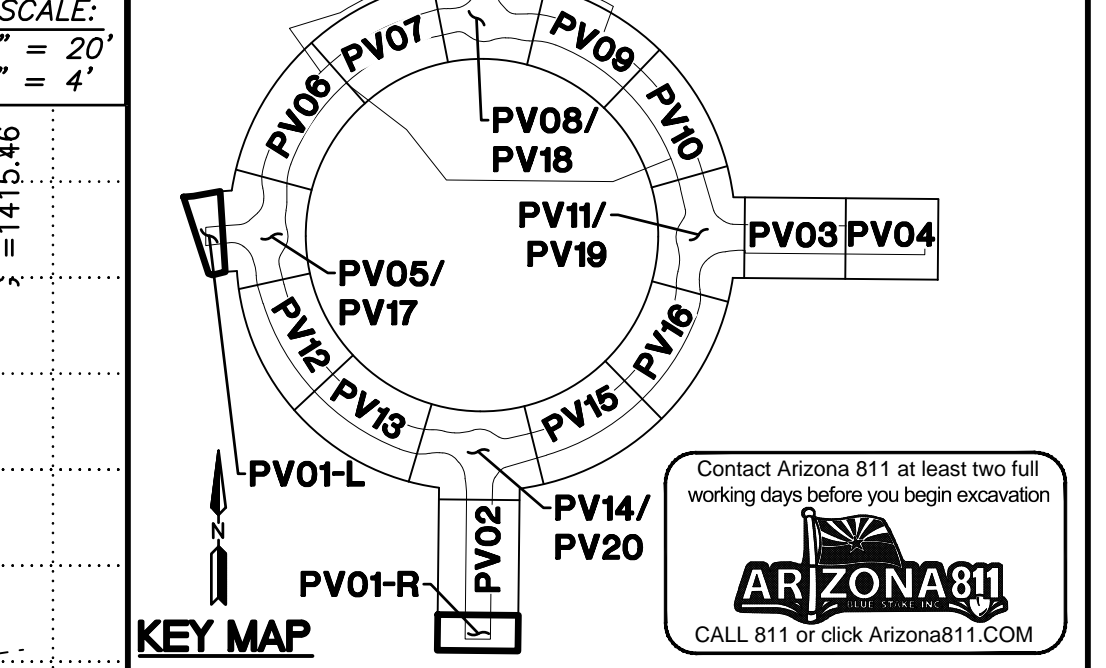
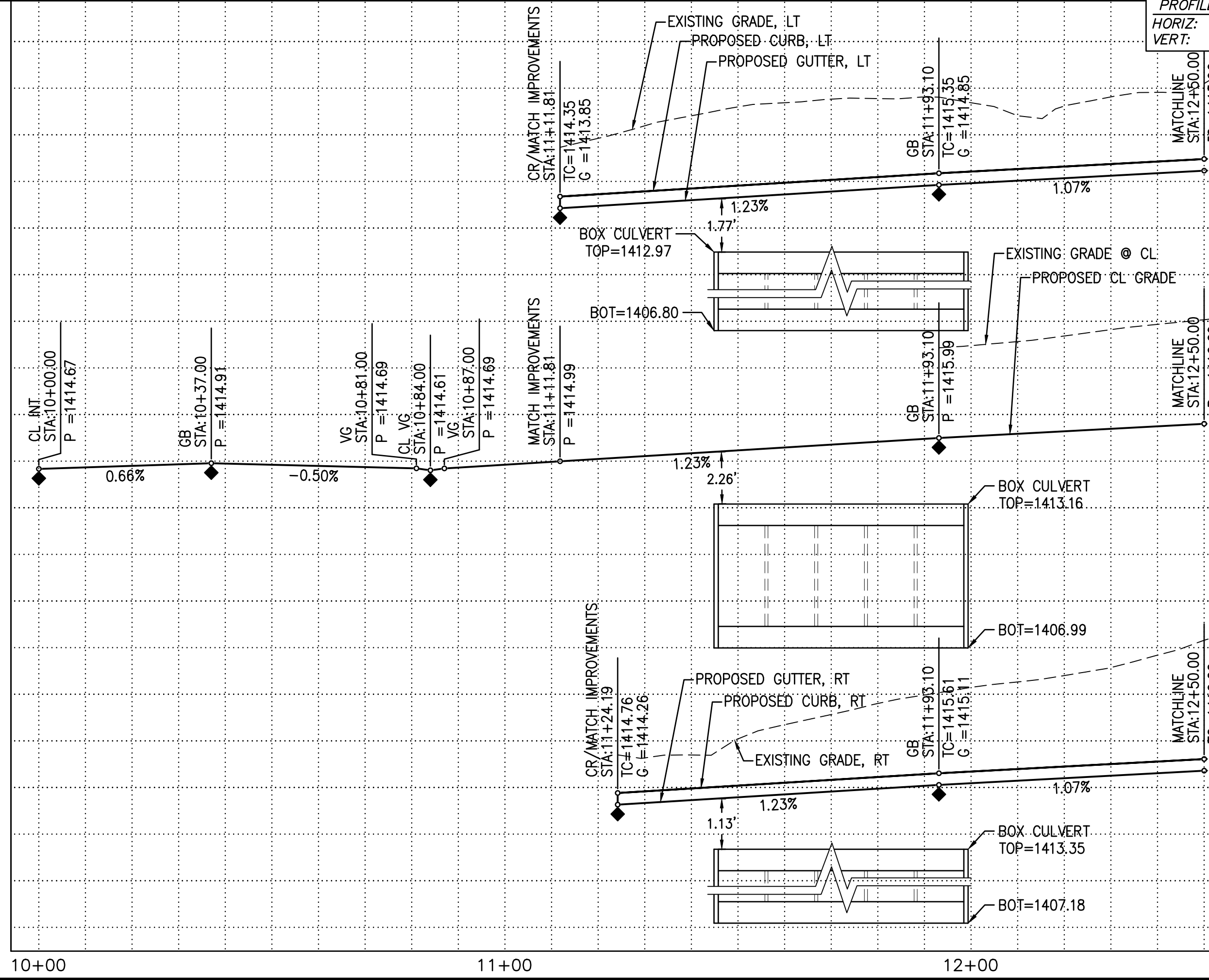
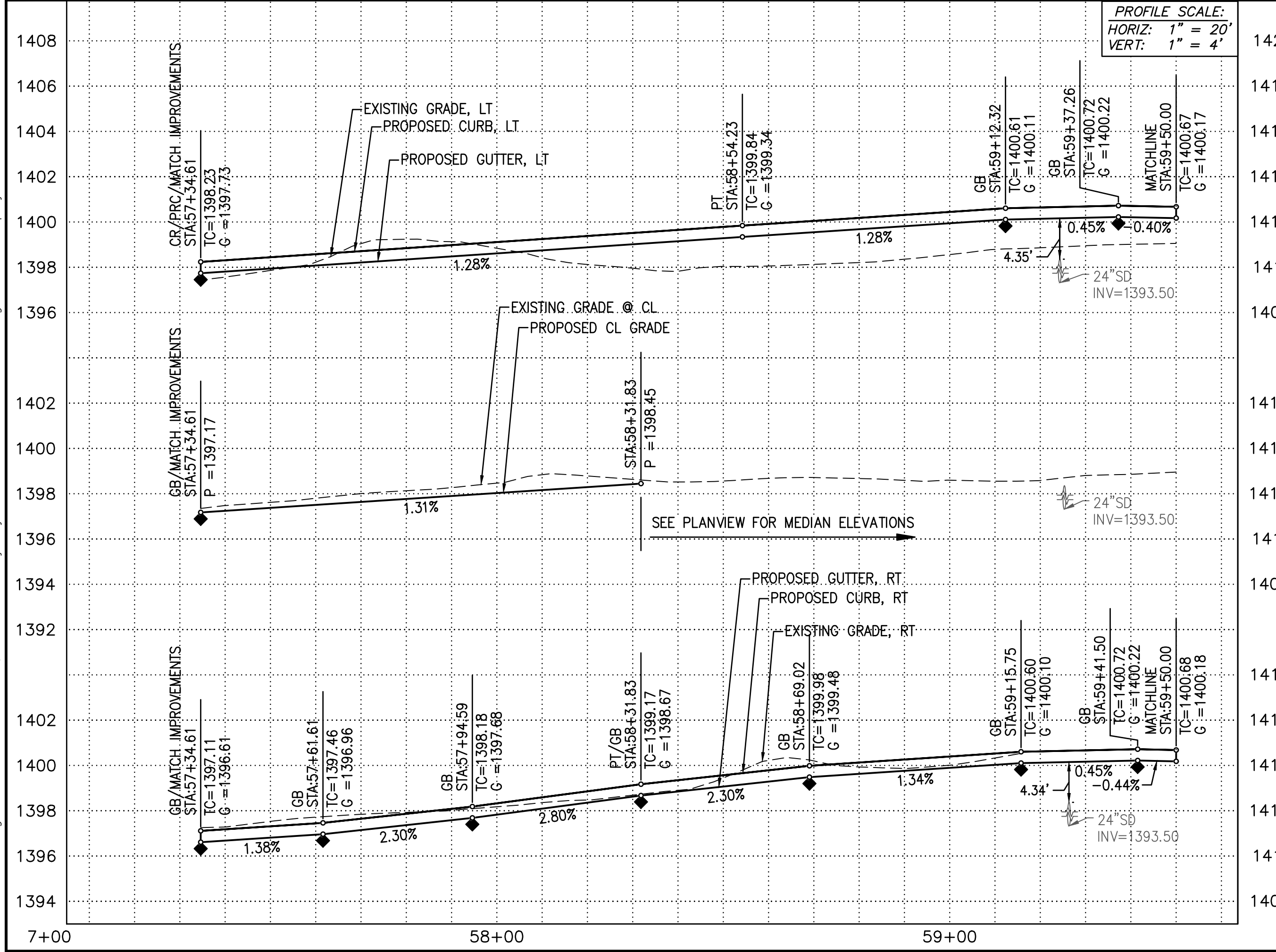
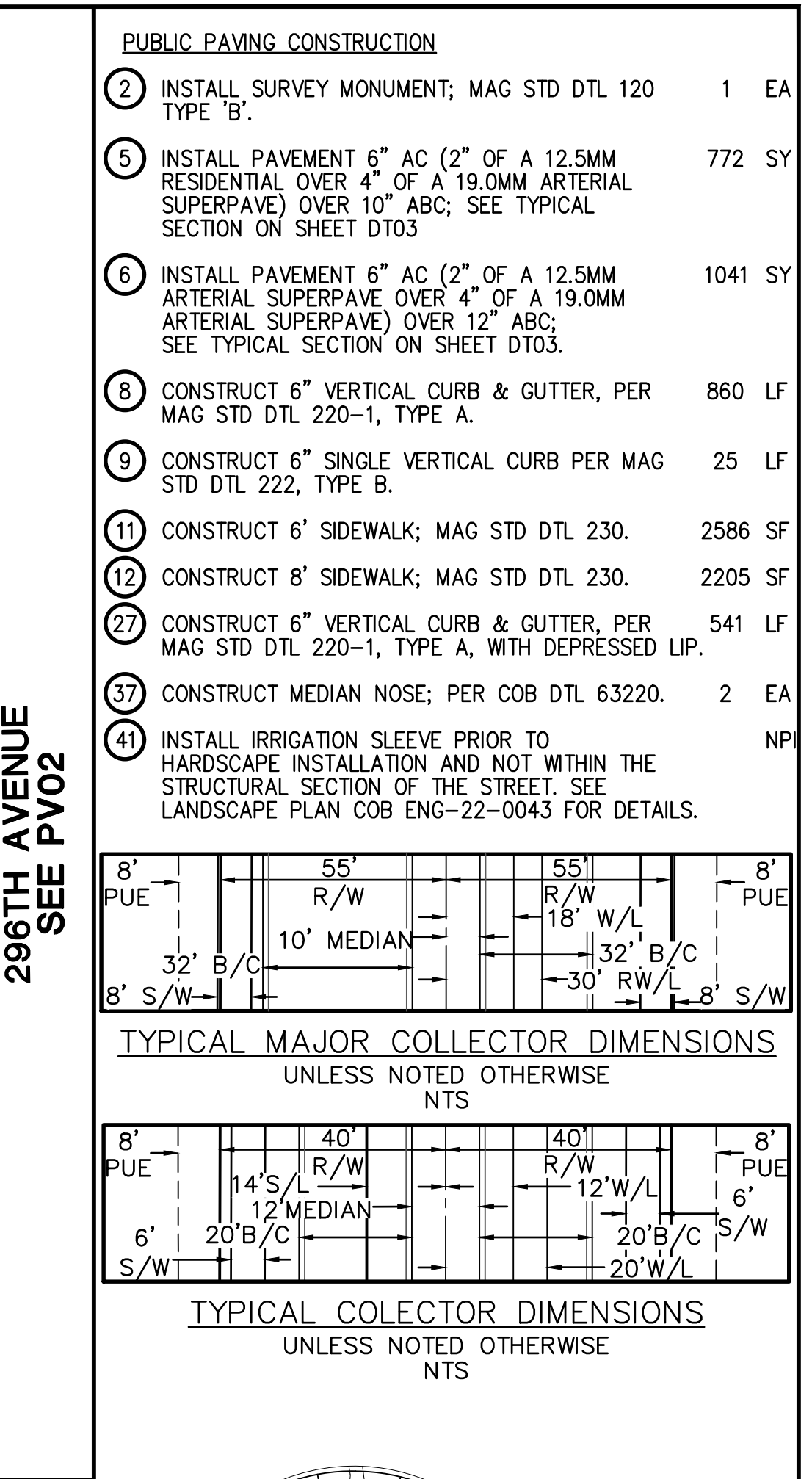
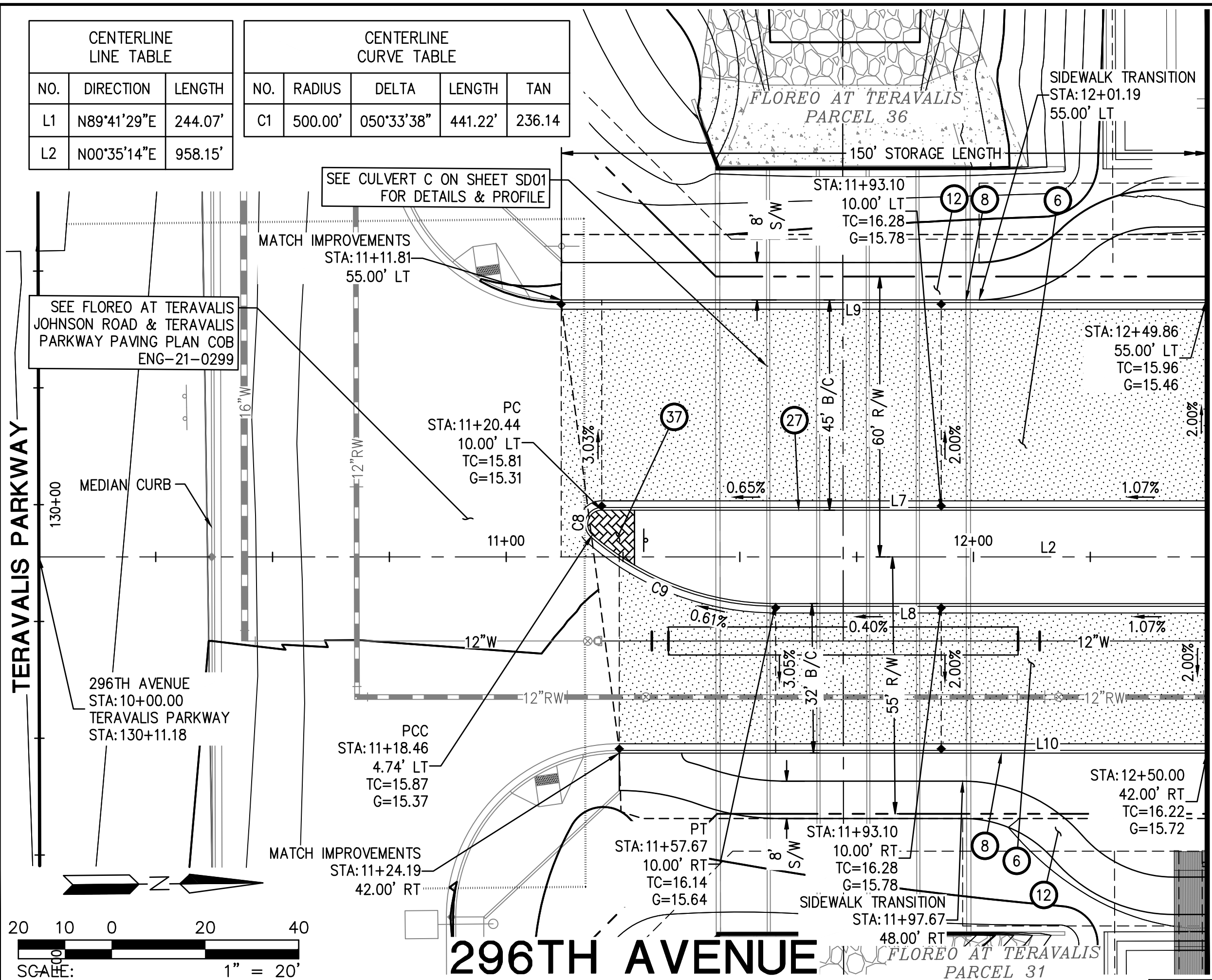
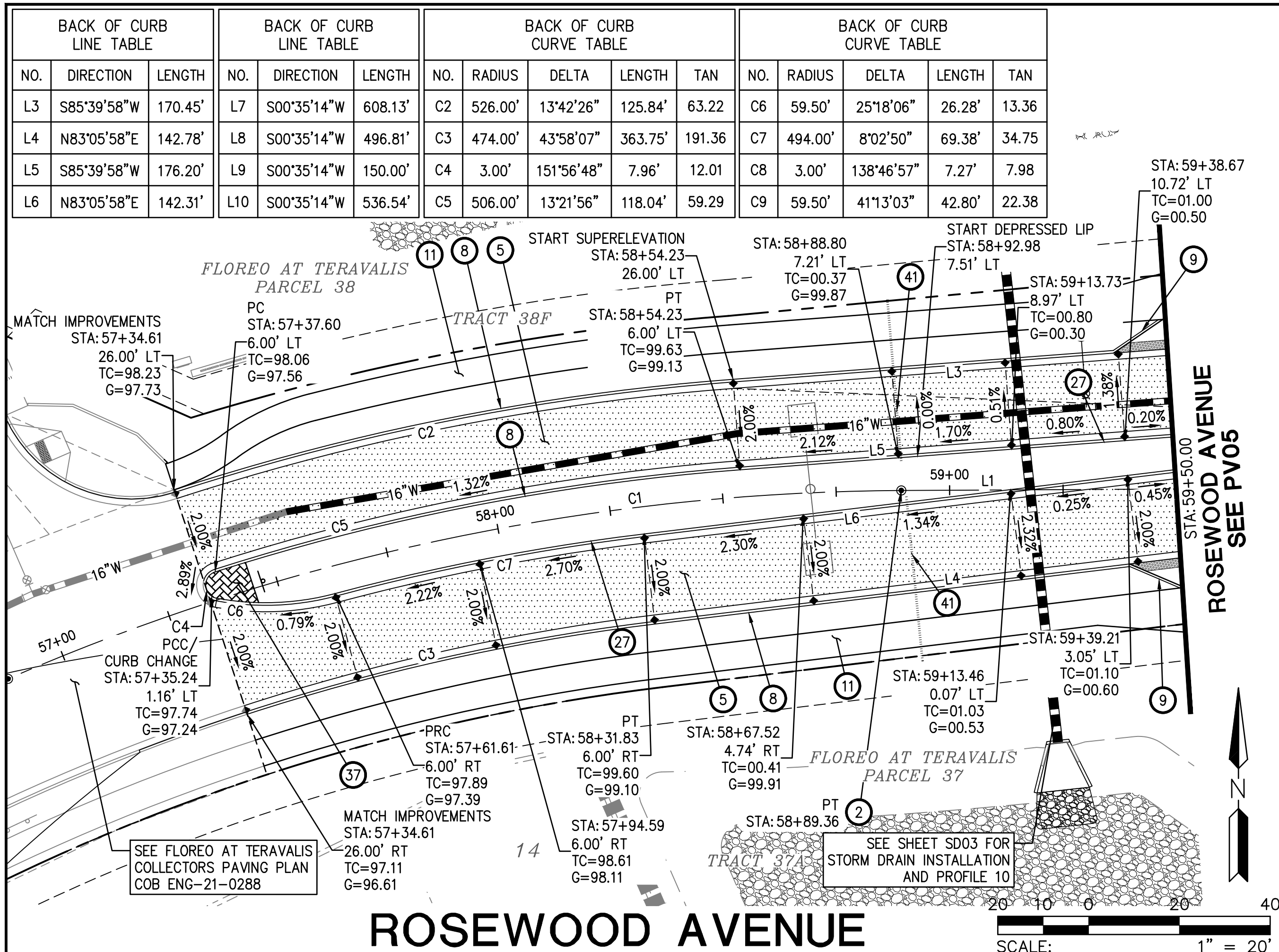
#### BENCHMARK

FOUND 1/2" STEEL ROD STAMPED "NGS 4FH3"  
ELEVATION: 1565.486  
DATUM: NAVD88



|   |  |                        |                             |                            |   |  |
|---|--|------------------------|-----------------------------|----------------------------|---|--|
| MANAGING ENGINEER / SURVEYOR<br>HILGARTWILSON   | PROJECT COORDINATOR<br>SANDY HAYDEN  | CHECKED<br>DWG         | CHECKED                     | DRAWING SCALES<br>AS SHOWN |   |  |
|   |  | DRAFTED<br>AM          | DRAFTED                     |                            |   |  |
|   |  | DESIGN LAYOUT<br>DWM   | FIELD SURVEY                |                            |   |  |
| <p><b>HILGARTWILSON</b><br/>ENGINEER   PLAN   SURVEY   MANAGE<br/>2141 E. HIGHLAND AVE., STE. 250   P: 602.490.0535 / F: 602.368.2436<br/>PHOENIX, AZ 85016   WWW.HILGARTWILSON.COM</p> |  |                        |                             |                            |   |  |
| <p><b>OFFSITE PAVING PLAN</b></p>   |  |                        |                             |                            |   |  |
| <p><b>FLOREO AT TERAVALIS</b><br/><b>FLOREO CIRCLE</b><br/>NORTHWEST OF TERAVALIS PARKWAY &amp;<br/>SUN VALLEY PARKWAY BUCKEYE, ARIZONA</p>   |  |                        |                             |                            |   |  |
| <p>REVISIONS:</p> <table border="1"> <tr> <td>1</td> <td>7/17/2023 - REVISION TO CHANNEL ALIGNMENT AND REPLACE RIPRAP WITH SOIL CEMENT.</td> </tr> </table>                             |  |                        |                             |                            | 1 | 7/17/2023 - REVISION TO CHANNEL ALIGNMENT AND REPLACE RIPRAP WITH SOIL CEMENT. |
| 1   | 7/17/2023 - REVISION TO CHANNEL ALIGNMENT AND REPLACE RIPRAP WITH SOIL CEMENT. |                        |                             |                            |   |  |
| COB PERMITTING APPROVED SEAL  | COB ENGINEERING APPROVED SEAL  | SUBMITTAL:             |                             |                            |   |  |
| AS-BUILT SEAL   | DESIGN SEAL  |                        |                             |                            |   |  |
| ORIGINAL PLAN DATE<br>NOV 2022  | LATEST REVISION DATE<br>JULY 2023  | PROJECT NUMBER<br>1175 | SHEET NUMBER<br><b>CV01</b> | SHT.<br>1 OF 30            |   |  |

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PLAN NAME  
**FLOREO AT TERAVALIS FLOREO CIRCLE OFFSITE PAVING PLAN**

ENGINEER INFORMATION  
**HILGARTWILSON**

COB PERMITTING APPROVED SEAL  
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL  
DESIGN SEAL  
D. W. GEORGE  
23227  
DANIEL W. GEORGE  
REGISTERED PROFESSIONAL ENGINEER  
EXPIRES 12/31/23

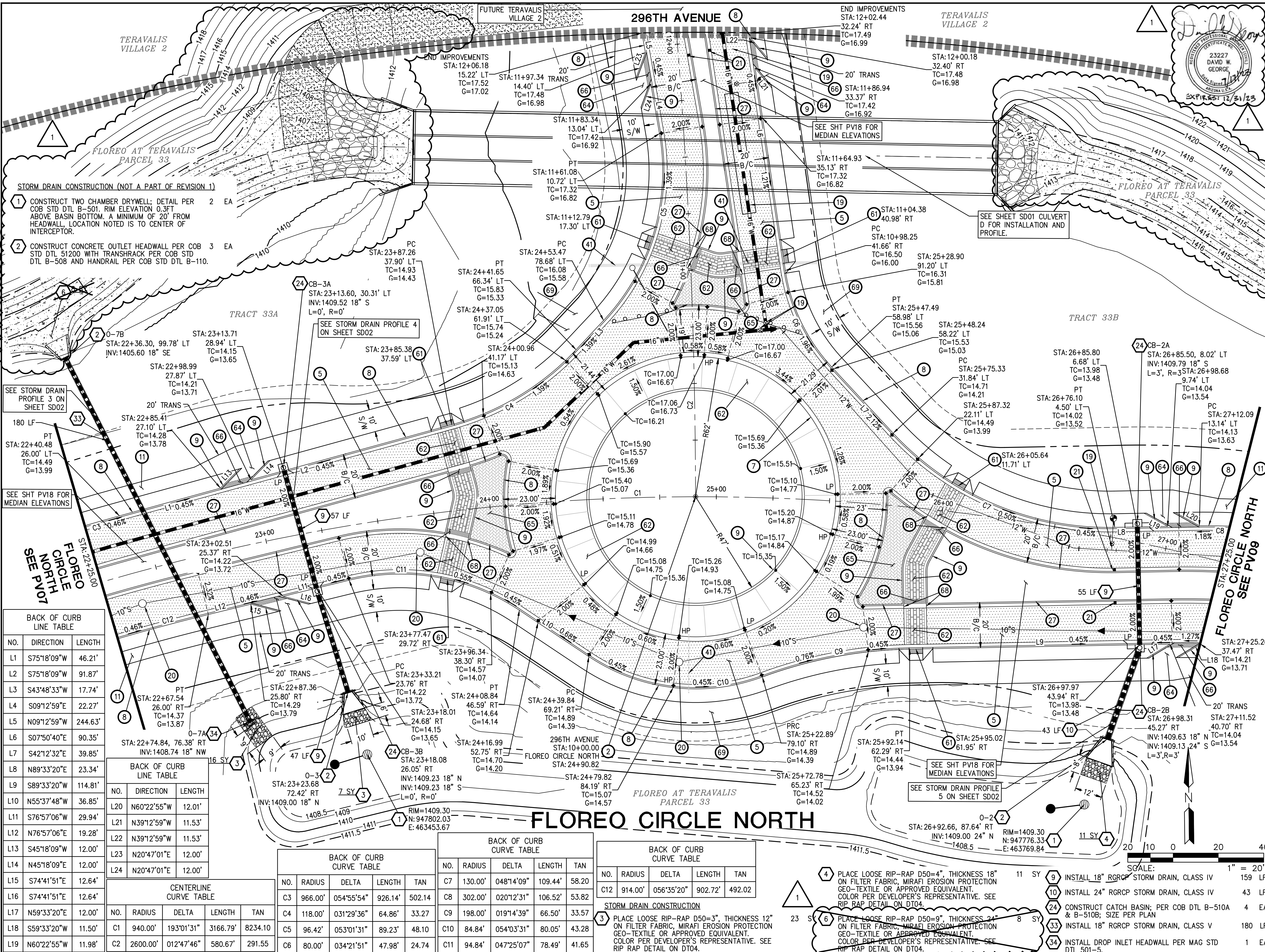
ORIGINAL PLAN DATE: NOV 2022  
LATEST REVISION DATE

PROJECT NUMBER: 1175  
SHEET NUMBER: PV01  
SHT. 6 OF 30

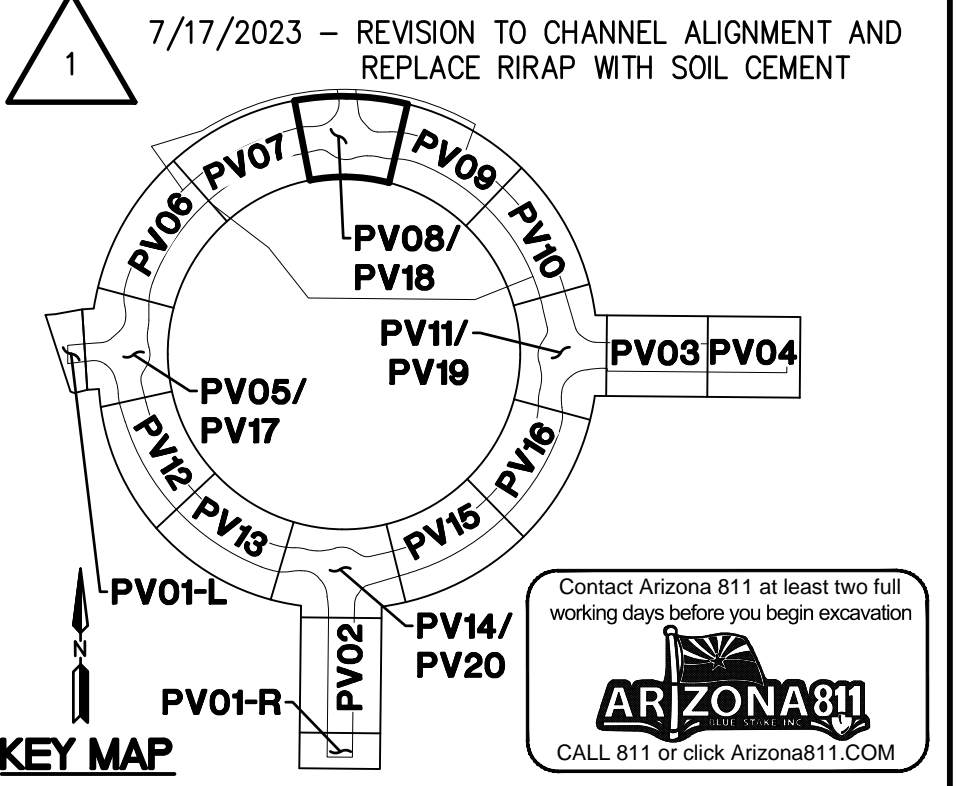
COB PLAN TRACKING #  
ENG-22-0038  
SUBMITTAL  
COB PERMIT #

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- PUBLIC PAVING CONSTRUCTION**
- 2 INSTALL SURVEY MONUMENT; MAG STD DTL 120 TYPE "B". 1 EA
  - 5 INSTALL PAVEMENT 6" AC (2" OF A 12.5MM RESIDENTIAL OVER 4" OF A 19.0MM ARTERIAL SUPERPAVE) OVER 10" ABC; SEE TYPICAL SECTION ON SHEET D103. 2656 SY
  - 7 CONSTRUCT 4" ROLL CURB & GUTTER PER MAG STD DTL 220-1, TYPE C, WITH DEPRESSED LIP. 389 LF
  - 8 CONSTRUCT 6" VERTICAL CURB & GUTTER, PER MAG STD DTL 220-1, TYPE A. 1268 LF
  - 9 CONSTRUCT 6" SINGLE VERTICAL CURB PER MAG STD DTL 222, TYPE B. 1404 LF
  - 11 CONSTRUCT 6" SIDEWALK; MAG STD DTL 230. 679 SF
  - 19 ADJUST WATER VALVE BOX & COVER PER MAG DTL 391-2. 5 EA
  - 20 ADJUST MANHOLE FRAME & COVER PER MAG STD DTL 422 AND COB DTL 41260. 4 EA
  - 21 INSTALL FIRE HYDRANT PAVEMENT MARKER; PER COB DTL 31440. 4 EA
  - 27 CONSTRUCT 6" VERTICAL CURB & GUTTER, PER MAG STD DTL 220-1, TYPE A, WITH DEPRESSED LIP. 848 LF
  - 41 INSTALL IRRIGATION SLEEVE PRIOR TO HARDSCAPE INSTALLATION AND NOT WITHIN THE STRUCTURAL SECTION OF THE STREET. SEE LANDSCAPE PLAN COB ENG-22-0043 FOR DETAILS. NP
  - 61 CONSTRUCT PERPENDICULAR CURB RAMP PER MAG STD DTL 238-1. 6 EA
  - 62 INSTALL STAMPED ASPHALT PATTERN AND COLOR PER OWNERS REPRESENTATIVE. 722 SY
  - 64 CONSTRUCT BICYCLE RAMP PER DETAIL 2 ON DT04, ELEVATIONS PER PLAN. CURB TERMINATION PER MAG STD DTL 222. INSTALL RIBBON CURB IN OPENING OF RAMP. 6 EA
  - 65 INSTALL BRICK PAVERS PATTERN AND COLOR PER OWNERS REPRESENTATIVE. 167 SY
  - 66 INSTALL DETECTABLE WARNING STRIP PER ADA SOLUTIONS, INC DTL ADA-REP2460. 264 SF
  - 68 CONSTRUCT 24" RIBBON CURB PER MAG STD DTL 220-1, TYPE B. 20 LF
  - 69 CONSTRUCT 10" SIDEWALK; MAG STD DTL 230. 10668 SF



**FLOREO AT TERAVALIS FLOREO CIRCLE OFFSITE PAVING PLAN**

ENGINEER INFORMATION

**HILGARTWILSON**

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

PROJECT NUMBER: 1175

SHEET NUMBER: PV08

SHT. NO.: 13 OF 30

DATE: NOV 2022

LATEST REVISION DATE: JULY 2023

SCALE: 1" = 20'

**BACK OF CURB LINE TABLE**

| NO. | DIRECTION   | LENGTH  |
|-----|-------------|---------|
| L1  | S75°18'09"W | 46.21'  |
| L2  | S75°18'09"W | 91.87'  |
| L3  | S43°48'33"W | 17.74'  |
| L4  | S09°12'59"E | 22.27'  |
| L5  | N09°12'59"W | 244.63' |
| L6  | S07°50'40"E | 90.35'  |
| L7  | S42°12'32"E | 39.85'  |
| L8  | N89°33'20"E | 23.34'  |
| L9  | S89°33'20"W | 114.81' |
| L10 | N55°37'48"W | 36.85'  |
| L11 | S76°57'06"W | 29.94'  |
| L12 | N76°57'06"E | 19.28'  |
| L13 | S45°18'09"W | 12.00'  |
| L14 | N45°18'09"E | 12.00'  |
| L15 | S74°41'51"E | 12.64'  |
| L16 | S74°41'51"E | 12.64'  |
| L17 | N59°33'20"E | 12.00'  |
| L18 | S59°33'20"W | 11.50'  |
| L19 | N60°22'55"W | 11.98'  |

**BACK OF CURB LINE TABLE**

| NO. | DIRECTION   | LENGTH |
|-----|-------------|--------|
| L20 | N60°22'55"W | 12.01' |
| L21 | N39°12'59"W | 11.53' |
| L22 | N39°12'59"W | 11.53' |
| L23 | N20°47'01"E | 12.00' |
| L24 | N20°47'01"E | 12.00' |

**CENTERLINE CURVE TABLE**

| NO. | RADIUS   | DELTA      | LENGTH   | TAN     |
|-----|----------|------------|----------|---------|
| C1  | 940.00'  | 193°01'31" | 3166.79' | 8234.10 |
| C2  | 2600.00' | 012°47'46" | 580.67'  | 291.55  |

**BACK OF CURB CURVE TABLE**

| NO. | RADIUS  | DELTA      | LENGTH  | TAN    |
|-----|---------|------------|---------|--------|
| C3  | 966.00' | 054°55'54" | 926.14' | 502.14 |
| C4  | 118.00' | 031°29'36" | 64.86'  | 33.27  |
| C5  | 96.42'  | 053°01'31" | 89.23'  | 48.10  |
| C6  | 80.00'  | 034°21'51" | 47.98'  | 24.74  |

**BACK OF CURB CURVE TABLE**

| NO. | RADIUS  | DELTA      | LENGTH  | TAN   |
|-----|---------|------------|---------|-------|
| C7  | 130.00' | 048°14'09" | 109.44' | 58.20 |
| C8  | 302.00' | 020°12'31" | 106.52' | 53.82 |
| C9  | 198.00' | 019°14'39" | 66.50'  | 33.57 |
| C10 | 84.84'  | 054°03'31" | 80.05'  | 43.28 |
| C11 | 94.84'  | 047°25'07" | 78.49'  | 41.65 |

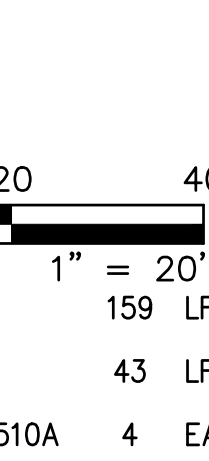
**BACK OF CURB CURVE TABLE**

| NO. | RADIUS  | DELTA      | LENGTH  | TAN    |
|-----|---------|------------|---------|--------|
| C12 | 914.00' | 056°35'20" | 902.72' | 492.02 |

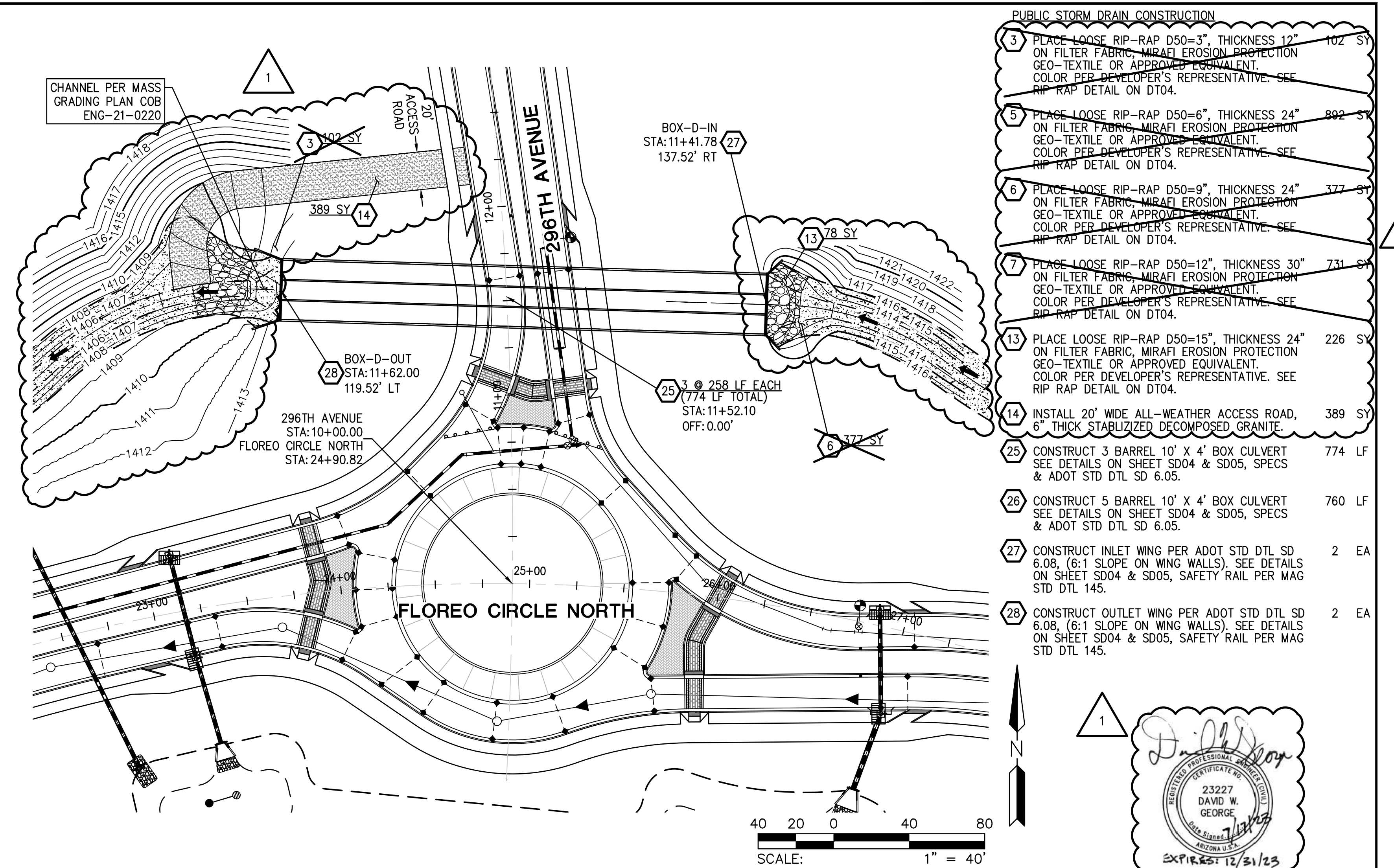
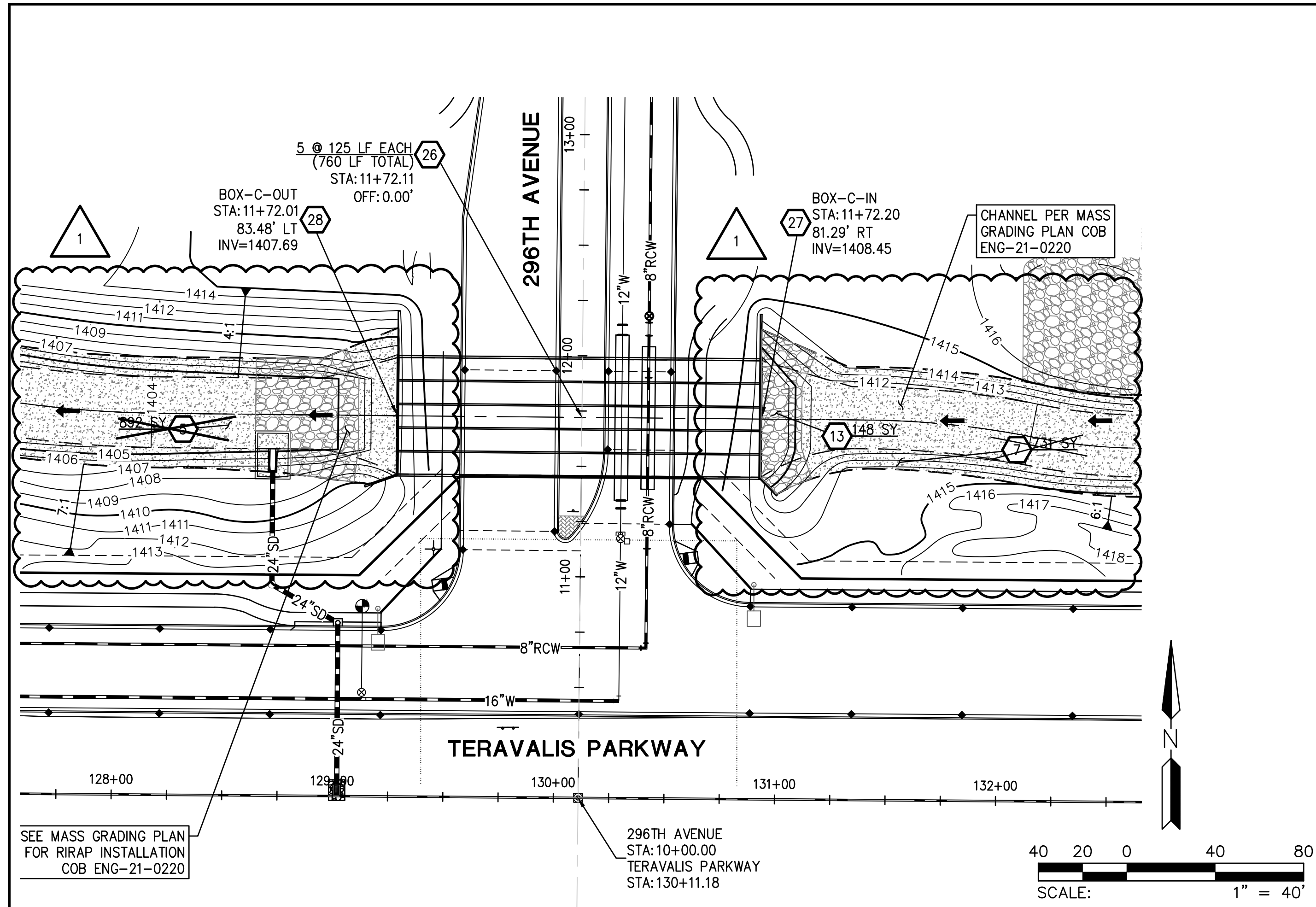
**STORM DRAIN CONSTRUCTION**

- 3 PLACE LOOSE RIP-RAP D50=3", THICKNESS 12" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 23 SY
- 4 PLACE LOOSE RIP-RAP D50=4", THICKNESS 18" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 11 SY
- 5 PLACE LOOSE RIP-RAP D50=9", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON DT04. 8 SY

- 9 INSTALL 18" RGRCP STORM DRAIN, CLASS IV 159 LF
- 10 INSTALL 24" RGRCP STORM DRAIN, CLASS IV 43 LF
- 24 CONSTRUCT CATCH BASIN; PER COB DTL B-510A & B-510B; SIZE PER PLAN 4 EA
- 33 INSTALL 18" RGRCP STORM DRAIN, CLASS V 180 LF
- 34 INSTALL DROP INLET HEADWALL PER MAG STD DTL 501-5. 1 EA



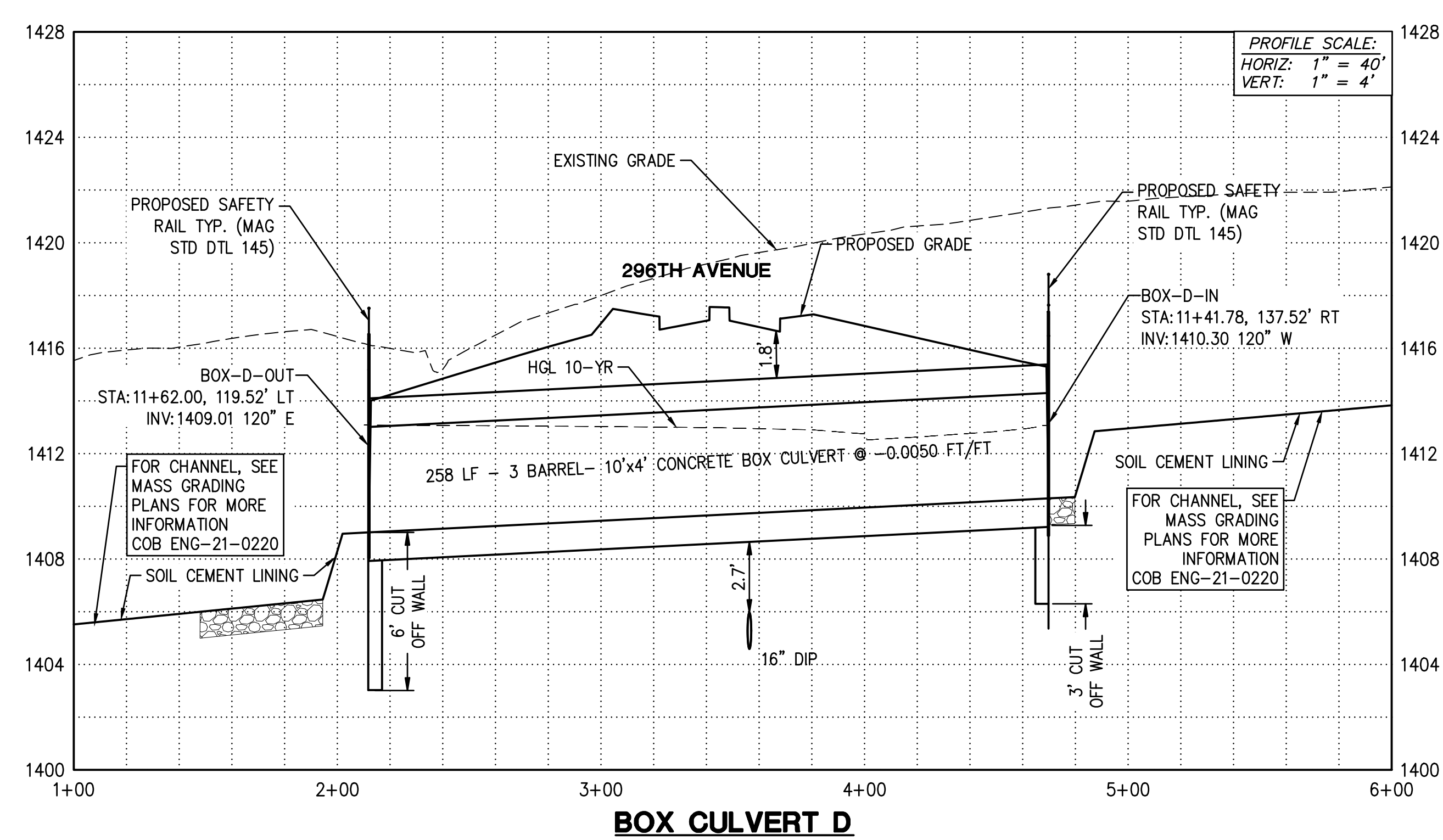
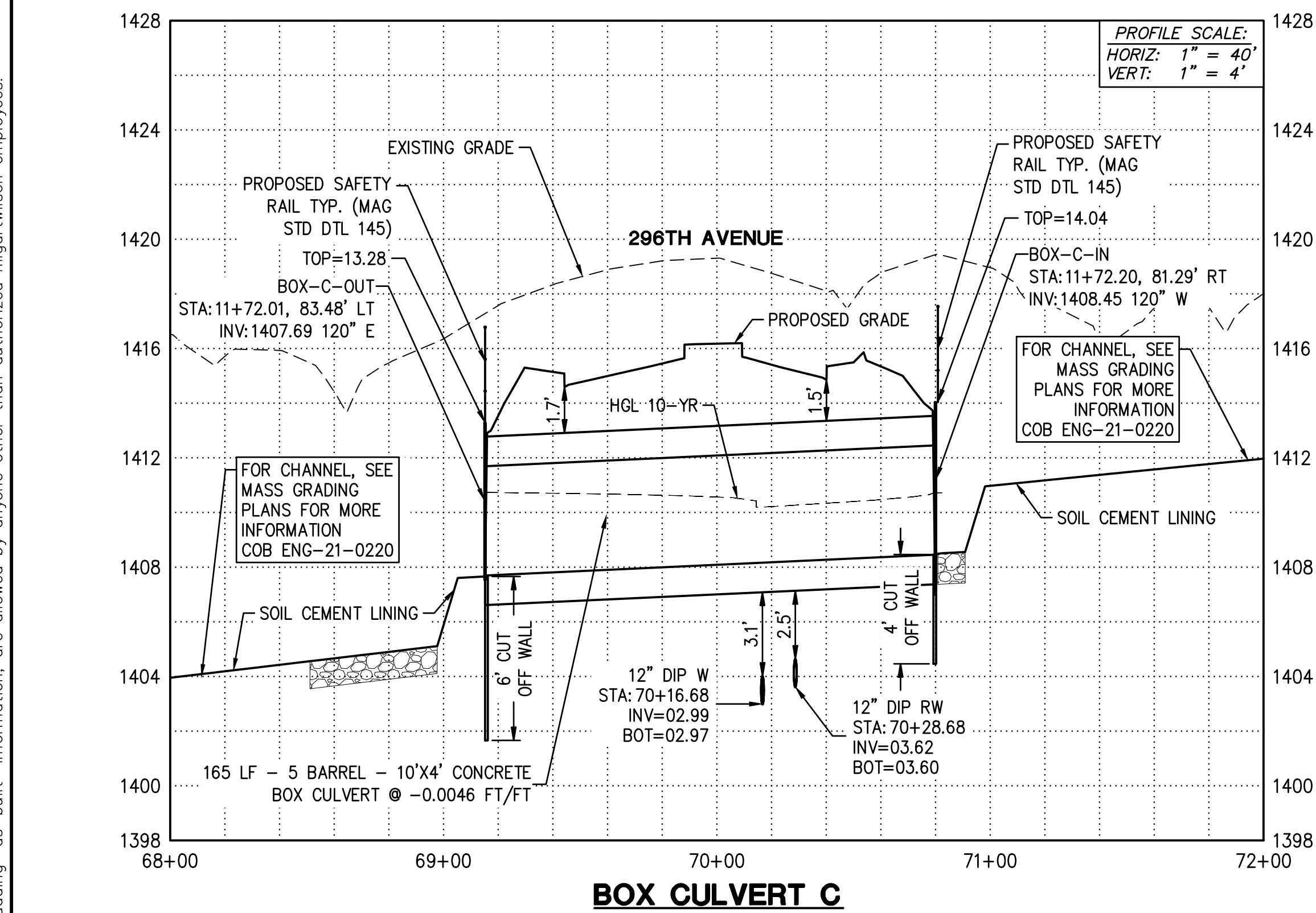
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- PUBLIC STORM DRAIN CONSTRUCTION**
- 3 PLACE LOOSE RIP-RAP D50=3", THICKNESS 12" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP-RAP DETAIL ON DT04. 102 SY
  - 5 PLACE LOOSE RIP-RAP D50=6", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP-RAP DETAIL ON DT04. 892 SY
  - 6 PLACE LOOSE RIP-RAP D50=9", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP-RAP DETAIL ON DT04. 377 SY
  - 7 PLACE LOOSE RIP-RAP D50=12", THICKNESS 30" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP-RAP DETAIL ON DT04. 731 SY
  - 13 PLACE LOOSE RIP-RAP D50=15", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP-RAP DETAIL ON DT04. 226 SY
  - 14 INSTALL 20' WIDE ALL-WEATHER ACCESS ROAD, 6" THICK STABILIZED DECOMPOSED GRANITE. 389 SY
  - 25 CONSTRUCT 3 BARREL 10' X 4' BOX CULVERT SEE DETAILS ON SHEET SD04 & SD05, SPECS & ADOPT STD DTL SD 6.05. 774 LF
  - 26 CONSTRUCT 5 BARREL 10' X 4' BOX CULVERT SEE DETAILS ON SHEET SD04 & SD05, SPECS & ADOPT STD DTL SD 6.05. 760 LF
  - 27 CONSTRUCT INLET WING PER ADOPT STD DTL SD 6.08, (6:1 SLOPE ON WING WALLS). SEE DETAILS ON SHEET SD04 & SD05, SAFETY RAIL PER MAG STD DTL 145. 2 EA
  - 28 CONSTRUCT OUTLET WING PER ADOPT STD DTL SD 6.08, (6:1 SLOPE ON WING WALLS). SEE DETAILS ON SHEET SD04 & SD05, SAFETY RAIL PER MAG STD DTL 145. 2 EA

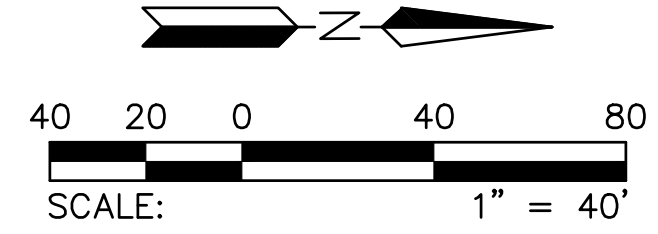
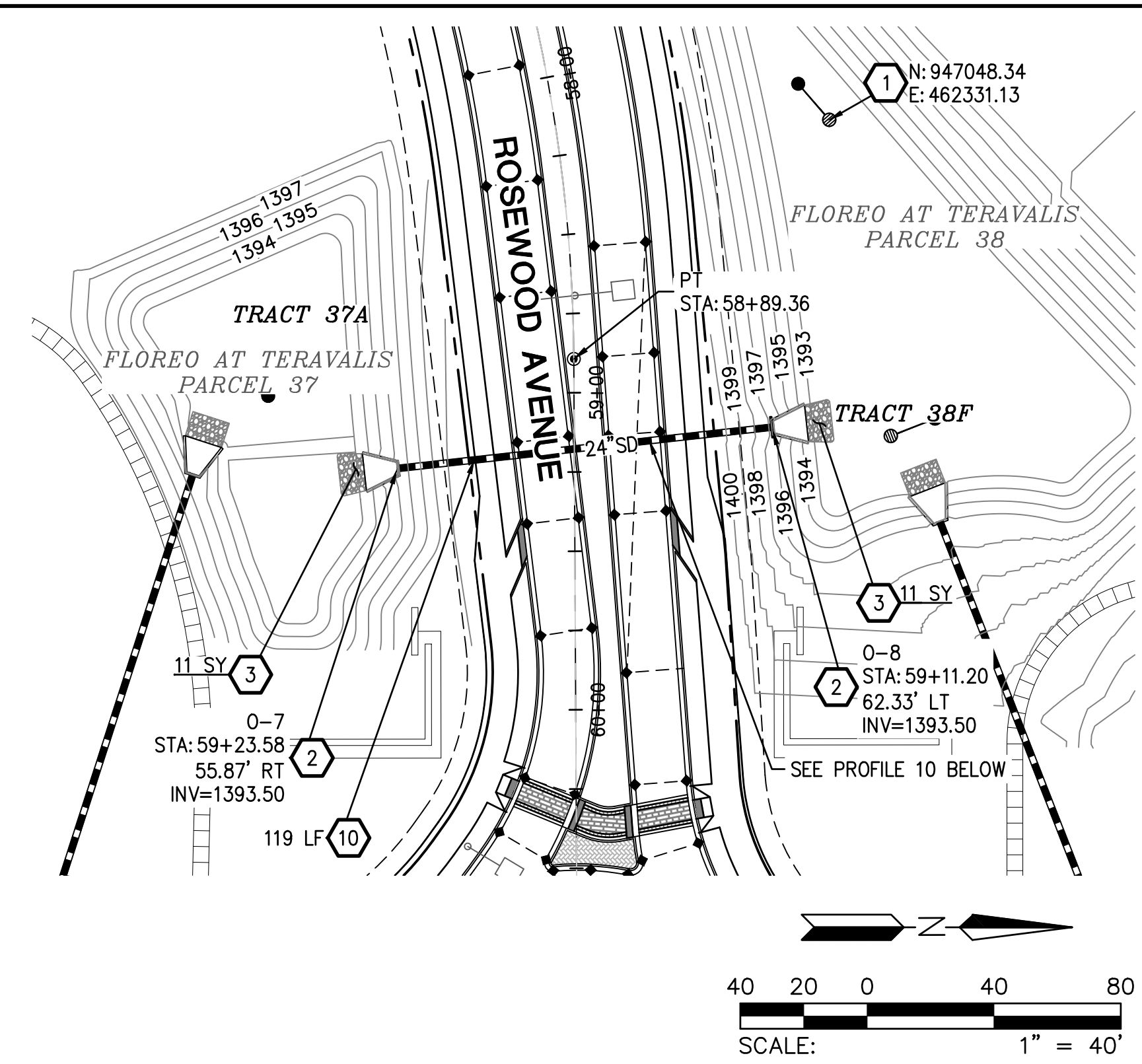
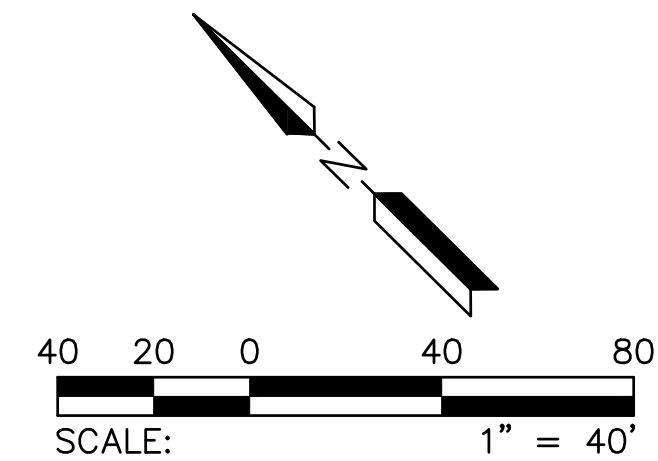
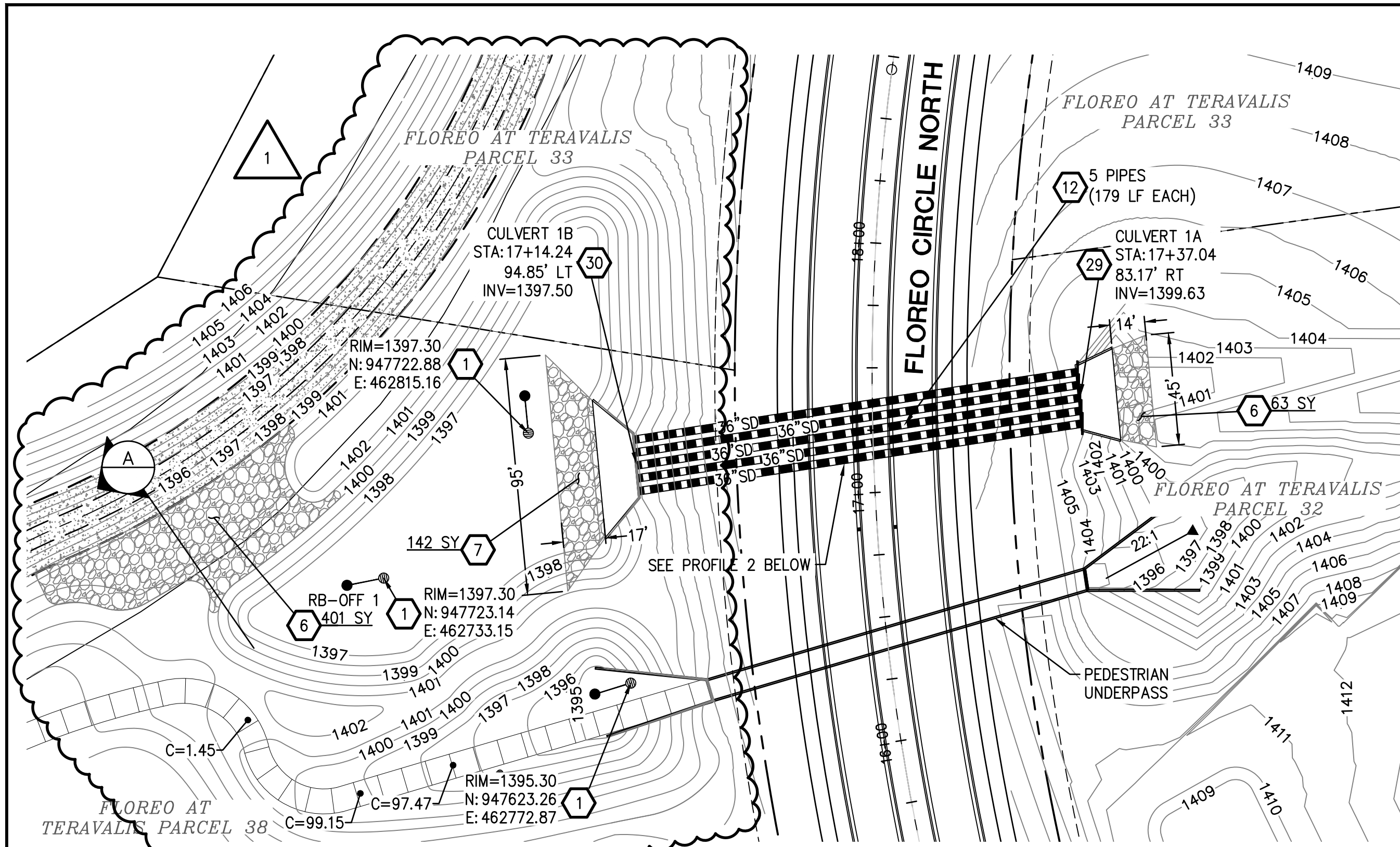


7/17/2023 - REVISION TO CHANNEL ALIGNMENT AND REPLACE RIPRAP WITH SOIL CEMENT

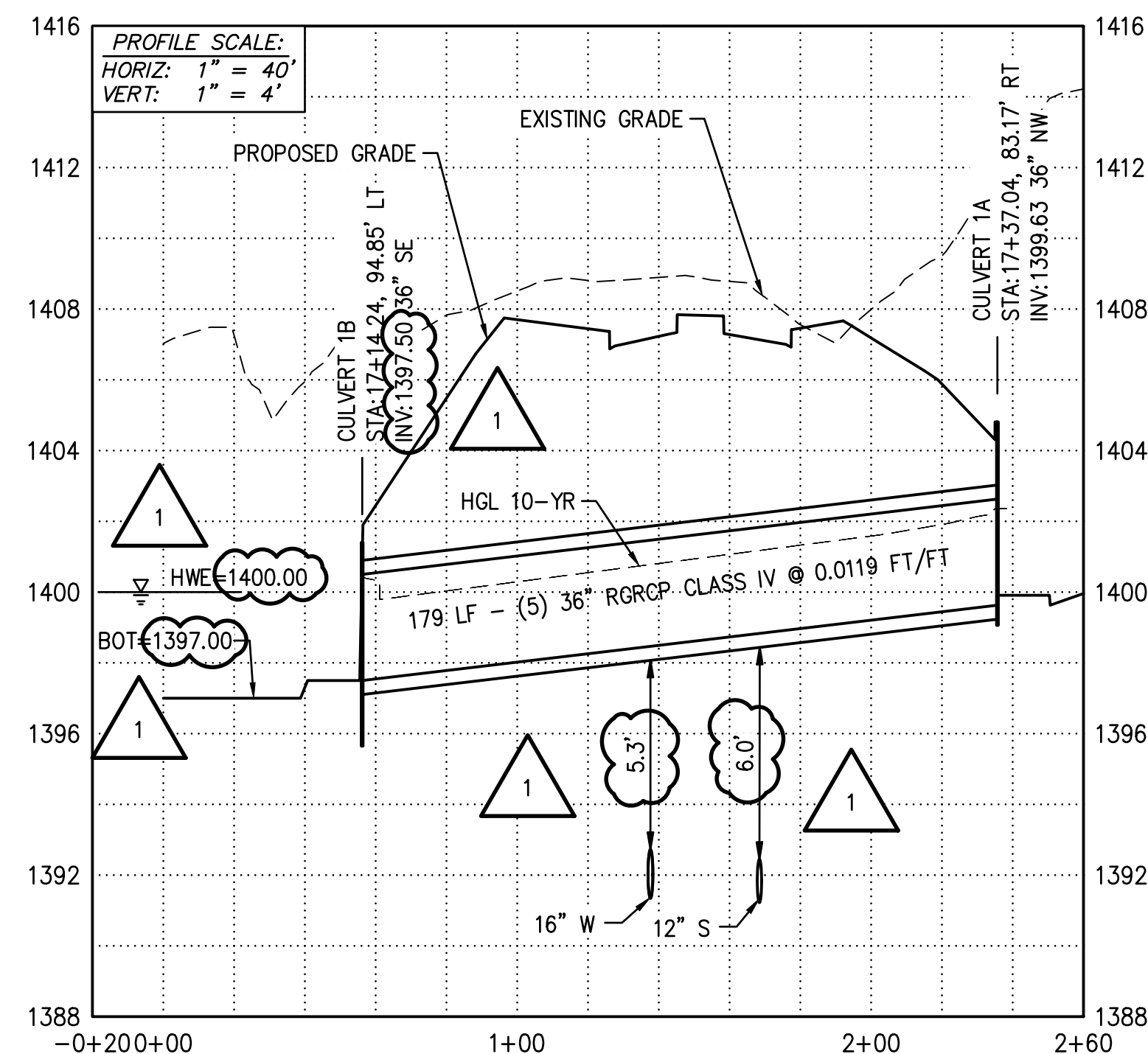


|   |   |
|---|---|
| <p>Contact Arizona 811 at least two full working days before you begin excavation</p> <p><b>ARIZONA811</b><br/>CALL 811 or click Arizona811.COM</p> |   |
| <p>PLAN NAME<br/><b>FLOREO AT TERAVALIS FLOREO CIRCLE OFFSITE - PAVING PLAN</b></p>   |   |
| <p>ENGINEER INFORMATION</p> <p><b>HILGARTWILSON</b></p>   |   |
| <p>COB PERMITTING APPROVED SEAL</p>   | <p>COB ENGINEERING APPROVED SEAL</p>  |
| <p>AS-BUILT SEAL</p>  | <p>DESIGN SEAL</p> <p><i>David W. George</i></p> <p>23227<br/>DAVID W. GEORGE<br/>ARIZONA</p> <p>EXPIRES 12/31/23</p> |
| <p>ORIGINAL PLAN DATE<br/>NOV 2022</p>  | <p>LATEST REVISION DATE<br/>JULY 2023</p>   |
| <p>PROJECT NUMBER<br/>1175</p>  | <p>SHEET NUMBER SH.T.<br/><b>SD01</b> 26 OF 30</p>  |
| <p>COB PLAN TRACKING #<br/>ENG-22-0038</p>  | <p>COB PERMIT #</p>   |

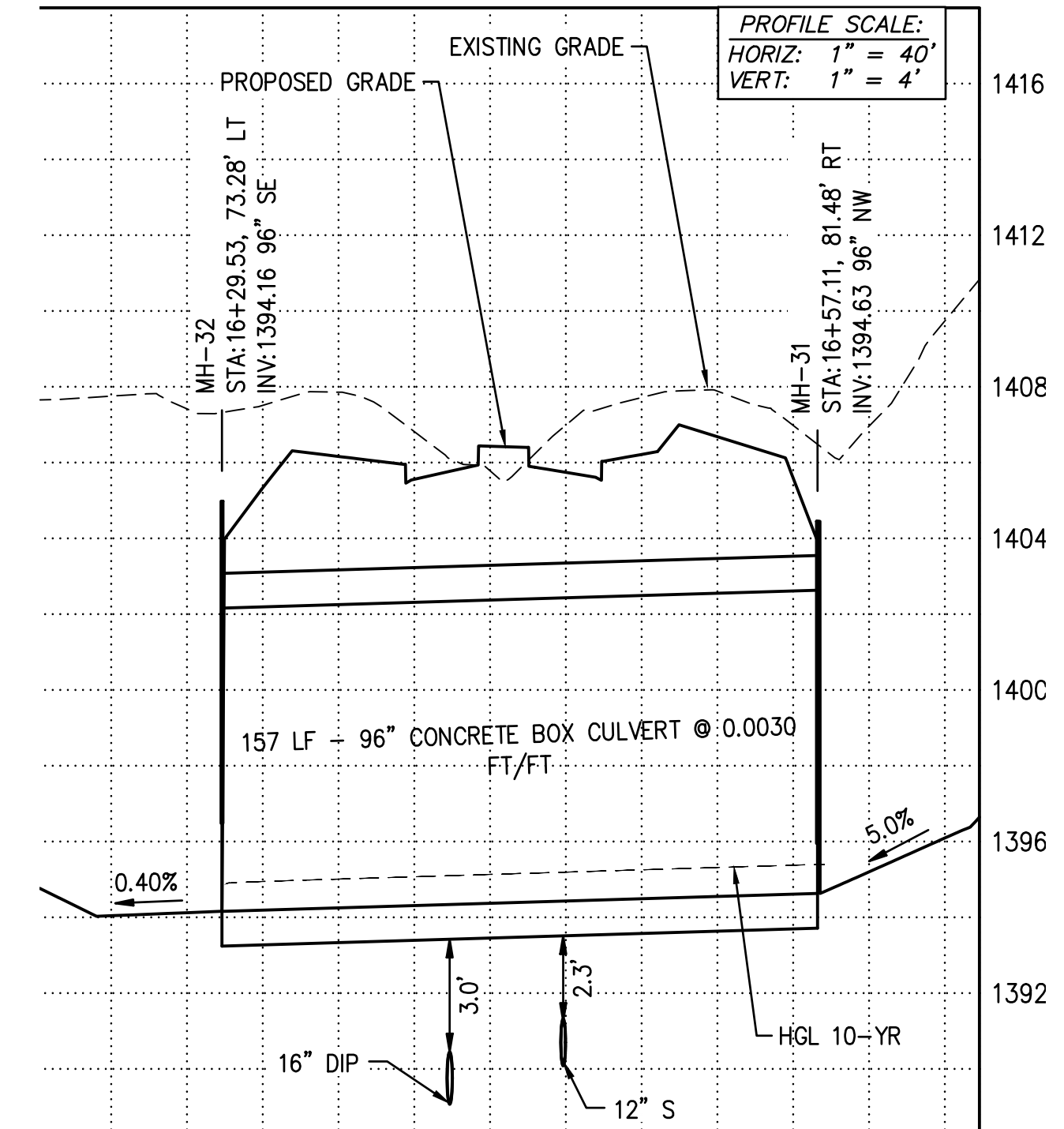
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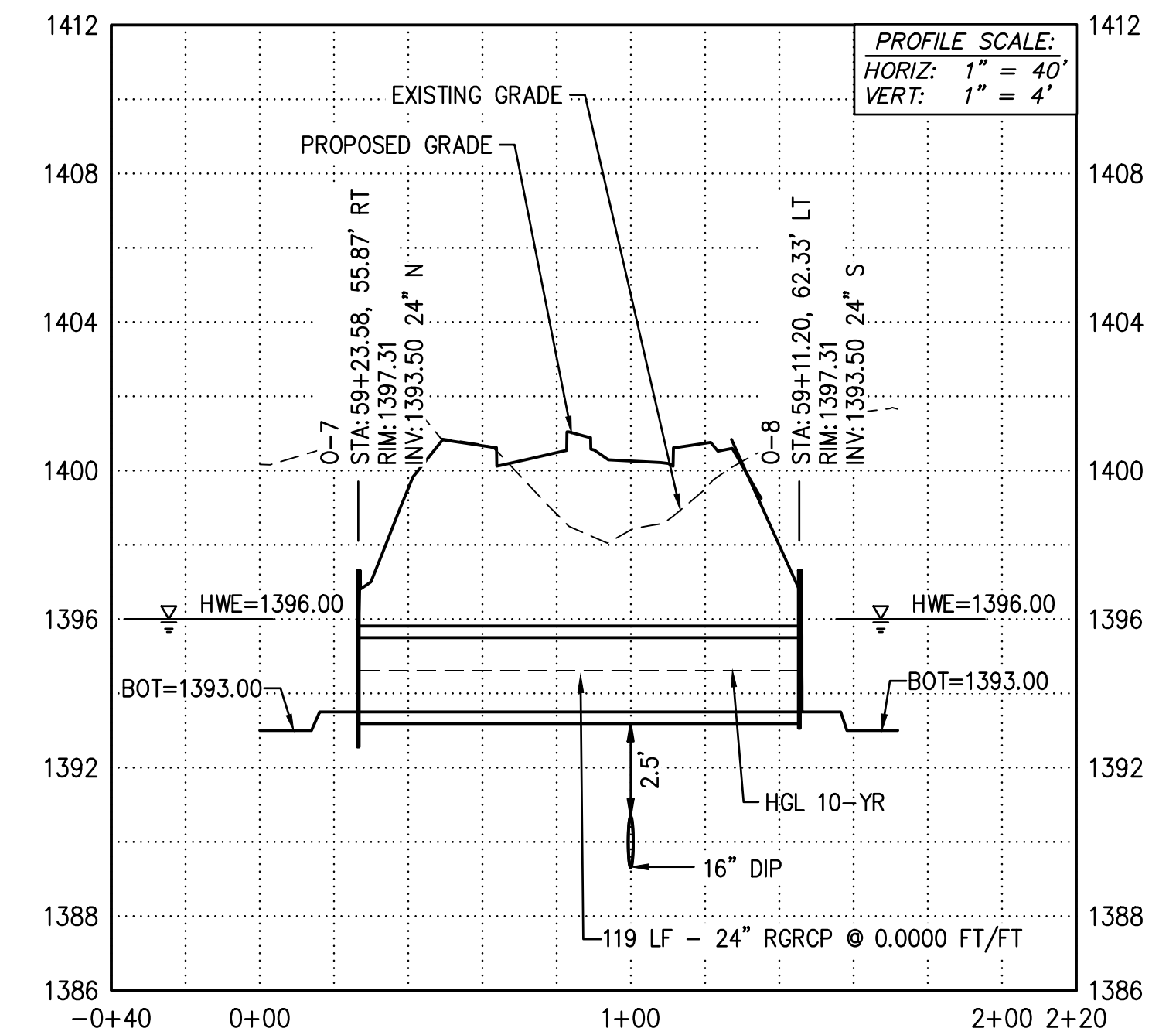
- PUBLIC STORM DRAIN CONSTRUCTION**
- 1 CONSTRUCT TWO CHAMBER DRYWELL; DETAIL PER COB STD DTL B-501. RIM ELEVATION 0.3FT ABOVE BASIN BOTTOM. A MINIMUM OF 20' FROM HEADWALL. LOCATION NOTED IS TO CENTER OF INTERCEPTOR. 4 EA
  - 2 CONSTRUCT CONCRETE OUTLET HEADWALL PER COB STD DTL B-508 AND HANDRAIL PER COB STD DTL B-110. 2 EA
  - 3 PLACE LOOSE RIP-RAP D50=3", THICKNESS 12" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON D104. 22 SY
  - 6 PLACE LOOSE RIP-RAP D50=9", THICKNESS 24" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON D104. 464 SY
  - 7 PLACE LOOSE RIP-RAP D50=12", THICKNESS 30" ON FILTER FABRIC, MIRAFI EROSION PROTECTION GEO-TEXTILE OR APPROVED EQUIVALENT. COLOR PER DEVELOPER'S REPRESENTATIVE. SEE RIP RAP DETAIL ON D104. 142 SY
  - 10 INSTALL 24" RGRCP STORM DRAIN, CLASS IV 119 LF
  - 12 INSTALL 36" RGRCP STORM DRAIN, CLASS IV 830 LF
  - 29 CONSTRUCT CONCRETE INLET HEADWALL PER COB STD DTL 51200, MODIFIED FOR 5-36" PIPES WITH TRANSRACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD DTL B-110. 1 EA
  - 30 CONSTRUCT CONCRETE OUTLET HEADWALL PER COB STD DTL 51200, MODIFIED FOR 5-36" PIPES WITH TRANSRACK PER COB STD DTL B-508 AND HANDRAIL PER COB STD DTL B-110. 1 EA



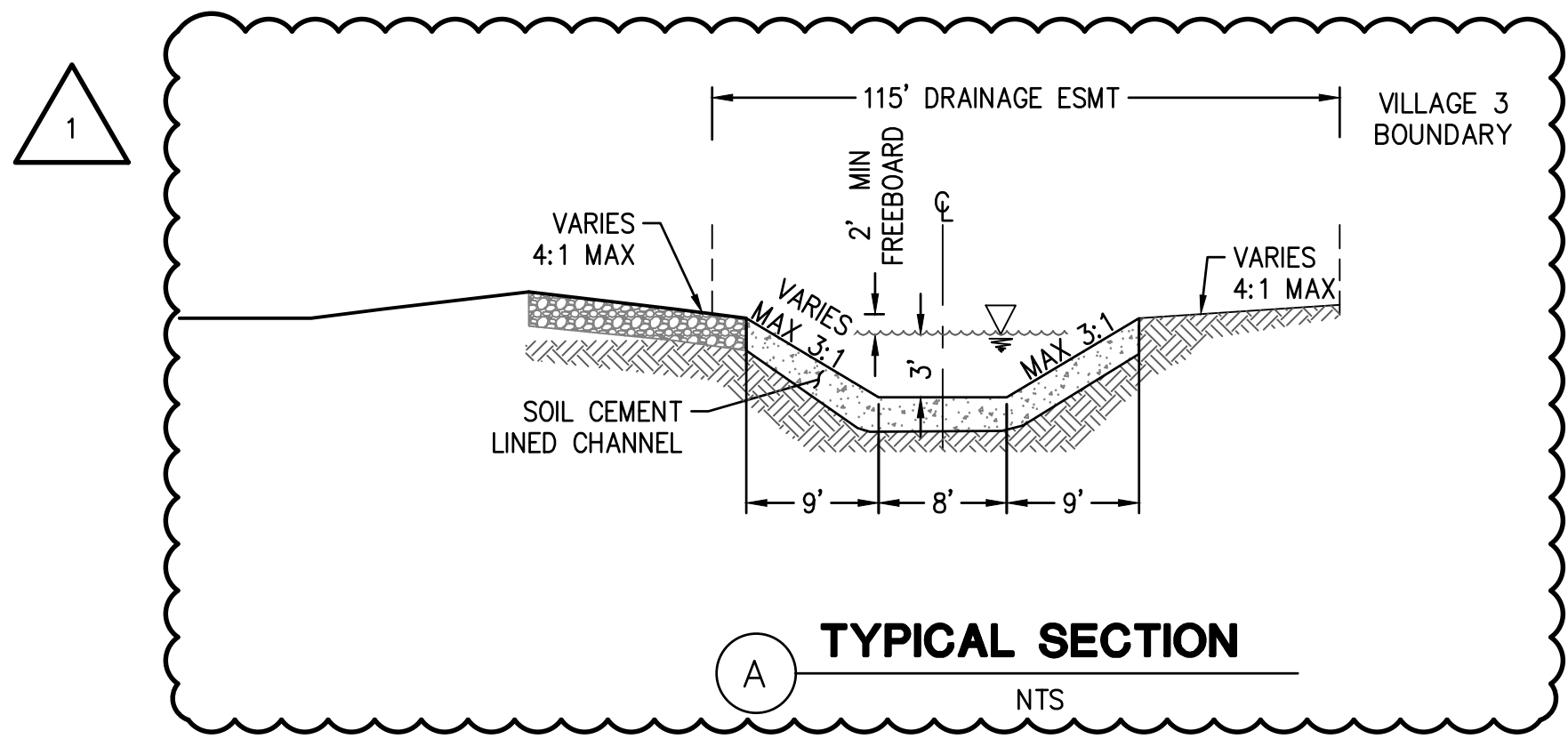
**STORMDRAIN PROFILE 2**  
SEE SHEET SD03  
LOOKING NORTH



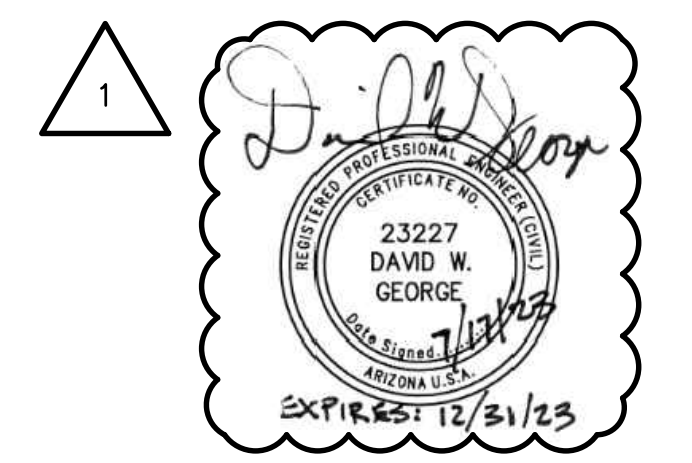
**PROFILE 9 - PEDESTRIAN UNDERPASS**  
SEE SHEET PV06  
LOOKING NORTH



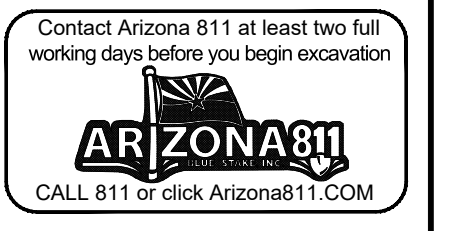
**STORMDRAIN PROFILE 10**  
SEE SHEET SD03  
LOOKING NORTH



**TYPICAL SECTION**  
NTS



7/17/2023 - REVISION TO CHANNEL ALIGNMENT AND REPLACE RIPRAP WITH SOIL CEMENT



|   |   |
|---|---|
| PLAN NAME<br><b>FLOREO AT TERAVALIS<br/>FLOREO CIRCLE<br/>OFFSITE - PAVING PLAN</b> |   |
| ENGINEER INFORMATION<br><b>HILGARTWILSON</b>  |   |
| COB PERMITTING APPROVED SEAL  | COB ENGINEERING APPROVED SEAL                                   |
| AS-BUILT SEAL   | DESIGN SEAL<br><br>23227<br>DAVID W. GEORGE<br>EXPIRES 12/31/23 |
| ORIGINAL PLAN DATE<br>NOV 2022  | LATEST REVISION DATE<br>JULY 2023                               |
| PROJECT NUMBER<br>1175  | SHEET NUMBER SH.T.<br><b>SD03</b> 28 OF 30                      |