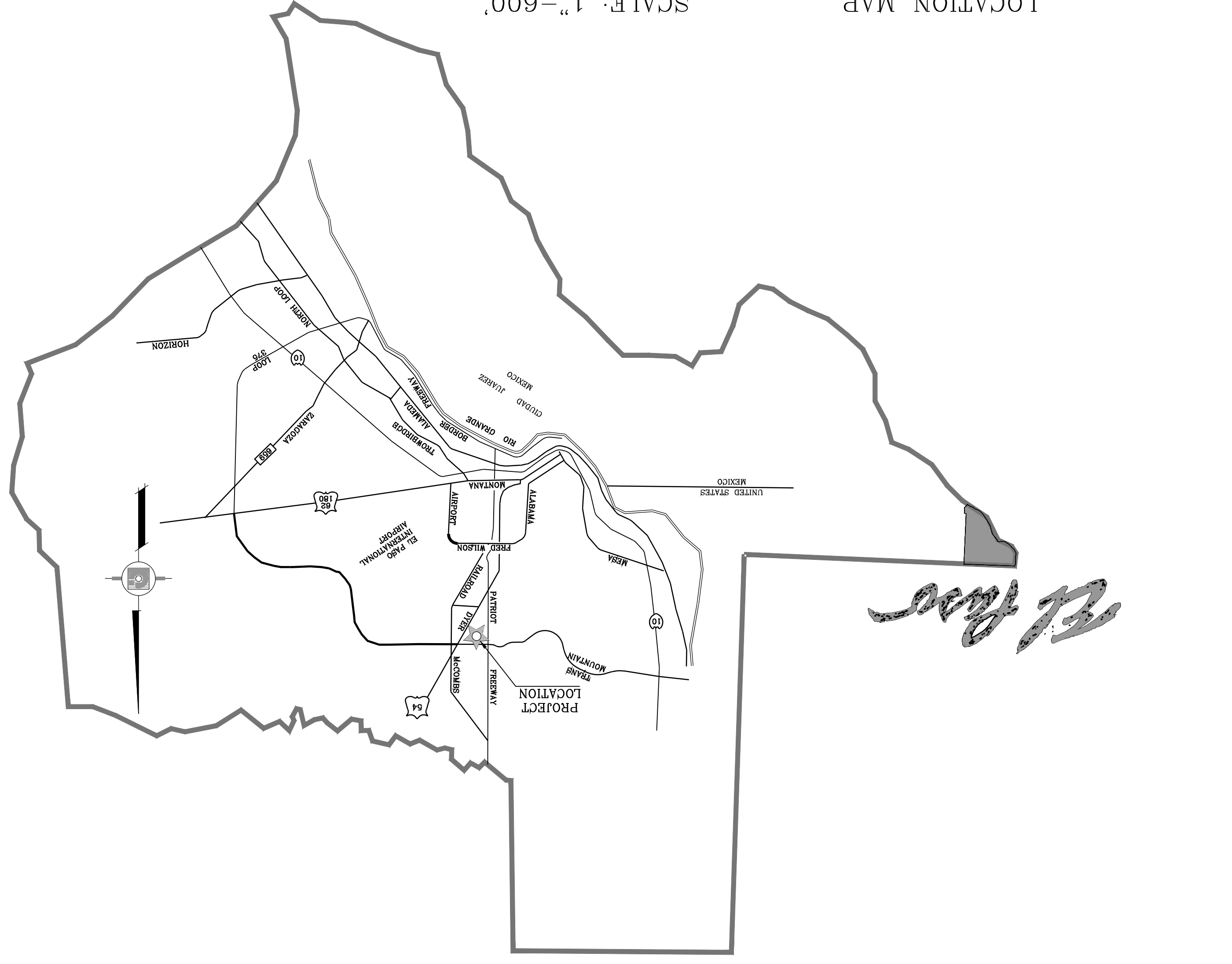


LOCATION MAP

SCALE: 1"=600'



VICINITY MAP

STREET IMPROVEMENTS

I N D E X

| TITLE | SHEET No. | TITLE | SHEET No. |
|-------------------------------------|---------------|--|----------------|
| COVER SHEET | 1 of 83 | NORTE VALLEY LN. | 50-51 of 83 |
| GRADING PLAN | 5-7 of 83 | VIENDO NORTE DR. | 52-54 of 83 |
| SWPPP & GSP PLAN AND NOTES | 11-14 of 83 | CONO NORTE DR. | 55-57 of 83 |
| PARK GRADING SECTIONS | 17A of 83 | PARQUE VIEW WAY | 58 of 83 |
| GRADING SECTIONS | 15-17 of 83 | CARLOS RAMIREZ DR. | 59-65 of 83 |
| PARK GRADING SECTIONS | 17A of 83 | CARLOS RAMIREZ DR. SIGNAGE AND STRIPING | 66-66B of 83 |
| BIOKO NORTE WAY AND NORTE CHILE WAY | 18 of 83 | STRUCTURES 1-2 | 67-67A of 83 |
| CAVO NORTE DR. | 19-21 of 83 | STRUCTURES 3-5 | 68-69 of 83 |
| LIMA NORTE LN. | 22 of 83 | INLET STRUCTURE DETAILS | 70&70A of 83 |
| NORTE CHICO PL. | 23 of 83 | STANDARD DETAILS | 72-73A of 83 |
| NORTE GRANDE DR. | 24 & 25 of 83 | STORM DRAIN STRUCTURE DETAILS | 74-75 of 83 |
| NORTE HILL CT. | 26 of 83 | POND A AND B WITH SECTIONS | 76-77 of 83 |
| NORTE PASS CT. | 27 of 83 | POND C WITH SECTIONS | 78-79 of 83 |
| NORTE QUITO CT. | 28 of 83 | CONCRETE SPILLWAY WITH SECTIONS | 80 of 83 |
| O'CONNOR DR. | 29 of 83 | ILLUMINATION AND TRAFFIC CONTROL | 81-83 of 83 |
| POLO NORTE DR. | 30-35 of 83 | LANDSCAPE AND IRRIGATION | 110-115 of 117 |
| RIO DEL NORTE DR. | 36 & 37 of 83 | WATER AND SEWER DISTRIBUTION PLAN & PROFILE | 1-10 of 13 |
| DON NORTE ST. AND NORTE BRASIL DR. | 38-42 of 83 | WATER AND SEWER DETAILS | 11-13 of 13 |
| NORTE MESA LN. | 43 of 83 | TX DOT CURB & GUTTER DETAILS | 1 of 1 |
| NORTE VISTA DR. | 44-46 of 83 | TX DOT PED-18 STANDARD | 1-4 of 4 |
| NORTE PASO CT. | 47 of 83 | TX DOT ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS | 1-1 of 1 |
| NORTE PORTUGAL LN. | 48-49 of 83 | | |

VISTA DEL NORTE ESTATES UNIT TWO

PROJECT LOCATION
ESTATES UNIT 2
VISTA DEL NORTE

CITY DEVELOPMENT DEPARTMENT

Reviewed for Conformance for Condition Related To:

- Sidewalk
- Grading & Drainage
- Retaining Rock Walls
- Wheelchair Ramps
- On Site Ponding of Storm Waters
- Contractor Must Call 24 Hours Prior To Construction for Inspections

By Oscar Romero Villalobos
Date 03/11/2022

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
1790 LEE TREVINO STE 400
EL PASO, TEXAS 79936



VISTA DEL NORTE ESTATES UNIT TWO
PROJECT NAME
BEING A PORTION TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 10, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 129.822± ACRES

SHT 1 OF 83

GENERAL NOTES:

1. IMPROVEMENT WITHIN CITY R.O.W. SHALL COMPLY WITH TITLE 19-SUBDIVISION ORDINANCE-SUBDIVISION IMPROVEMENT DESIGN STANDARDS.
2. CONTRACTOR SHALL PROVIDE TEMPORARY MEASURES FOR THE MANAGEMENT OF STORM WATER RUNOFF ENTENDING, EXITING AND ON SITE DURING THE COURSE OF THE CONSTRUCTION. TEMPORARY BARRIERS, DISTILLING BASIN, CHECK DAMS, PIPING ETC. SHALL BE PROVIDED AS NECESSARY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND NOTIFICATION WITH ALL APPROPRIATE UTILITY COMPANIES WHOSE LINES ARE WITHIN THE CONSTRUCTION CONTRACT AREA. THE CONTRACTOR SHALL NOTIFY THE COMPANIES 48 HOURS PRIOR TO ANY CONSTRUCTION ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE PHYSICALLY AND FINANCIALLY FOR ANY DISRUPTION TO SERVICE EITHER ON SITE OR OFF SITE DUE TO BREAKAGE OF UTILITY LINES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DATA SHOWN ON THE PLANS. IF DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OR ENGINEER IMMEDIATELY SO THAT PROPER CORRECTIONS CAN BE MADE.
5. ANY EROSION OF THE GRADED SITE DURING THE COURSE OF THE PROJECT SHALL BE CORRECTED PRIOR TO FINALIZATION OF THE PROJECT AT NO COST TO THE OWNER.
6. ALL SLOPES AND WALLS WITHIN LOTS SHALL BE MAINTAINED BY LOT OWNER.
7. ALL ELEVATIONS ARE TO CITY DATUM UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL NOTIFY THE OWNER, OR HIS REPRESENTATIVE, IN ADVANCE OF DELIVERY OF MATERIALS TO BE SUPPLIED BY HIM UNDER THIS PROJECT. IN ORDER THAT THE OWNER MAY ARRANGE FOR SURVEILOR TIME IN ADVANCE OF DELIVERY OF MATERIALS TO BE SUPPLIED BY HIM.
9. SAFE AND REASONABLE ACCESS FOR STRUCTURES AT ALL TIMES DURING THE LIFE OF THE PROJECT.
10. ANY CAVITY REMAINING OPEN DURING NONWORKING HOURS MUST BE GUARDED BY THE BARRICADES.
11. DEVELOPER SHALL COMPLY WITH SECTION 13.08.170 "EXCESSIVE PAVING CUTS" AS PER EL PASO MUNICIPAL CODE.

GENERAL EARTHWORK NOTES:

1. ALL GRADING SHALL CONFORM TO THE CITY OF EL PASO GRADING ORDINANCE SECTION 18.44.
2. CONTRACTOR SHALL CARRY ON HIS WORK WITH SPECIAL CARE AT ALL TIMES TO MAINTAIN THE NATURAL SURROUNDINGS AND EXISTING STRUCTURES IN AN UNDAMGED CONDITION.
3. STRIPPED OR ALL VEGETATION OR ORGANIC TOPSOIL. THE EXPOSED SUBGRADE SHOULD BE STABILIZED JUST PRIOR TO FILL PLACEMENT TO A MINIMUM DEPTH OF 6 INCHES AND RECOMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS PER ASTM D-1557. ALL BACKFILL MATERIAL TO BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED EIGHT (8) INCH LIFTS AND COMPACTED AS BEFORE.
4. TEMPORARY DUST AND EROSION CONTROL MEASURES SHALL BE PROVIDED FOR AT ALL TIMES.
5. ANY EROSION OF THE GRADED SITE DURING THE COURSE OF THE PROJECT SHALL BE CORRECTED PRIOR TO FINALIZATION OF THE PROJECT AT NO COST TO THE OWNER.
6. ALL SLOPES AND WALLS WITHIN LOTS SHALL BE MAINTAINED BY LOT OWNER.
7. ALL ELEVATIONS ARE TO CITY DATUM UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL NOTIFY THE OWNER, OR HIS REPRESENTATIVE, IN ADVANCE OF DELIVERY OF MATERIALS TO BE SUPPLIED BY HIM UNDER THIS PROJECT. IN ORDER THAT THE OWNER MAY ARRANGE FOR SURVEILOR TIME IN ADVANCE OF DELIVERY OF MATERIALS TO BE SUPPLIED BY HIM.
9. SAFE AND REASONABLE ACCESS FOR STRUCTURES AT ALL TIMES DURING THE LIFE OF THE PROJECT.
10. ANY CAVITY REMAINING OPEN DURING NONWORKING HOURS MUST BE GUARDED BY THE BARRICADES.
11. DEVELOPER SHALL COMPLY WITH SECTION 13.08.170 "EXCESSIVE PAVING CUTS" AS PER EL PASO MUNICIPAL CODE.

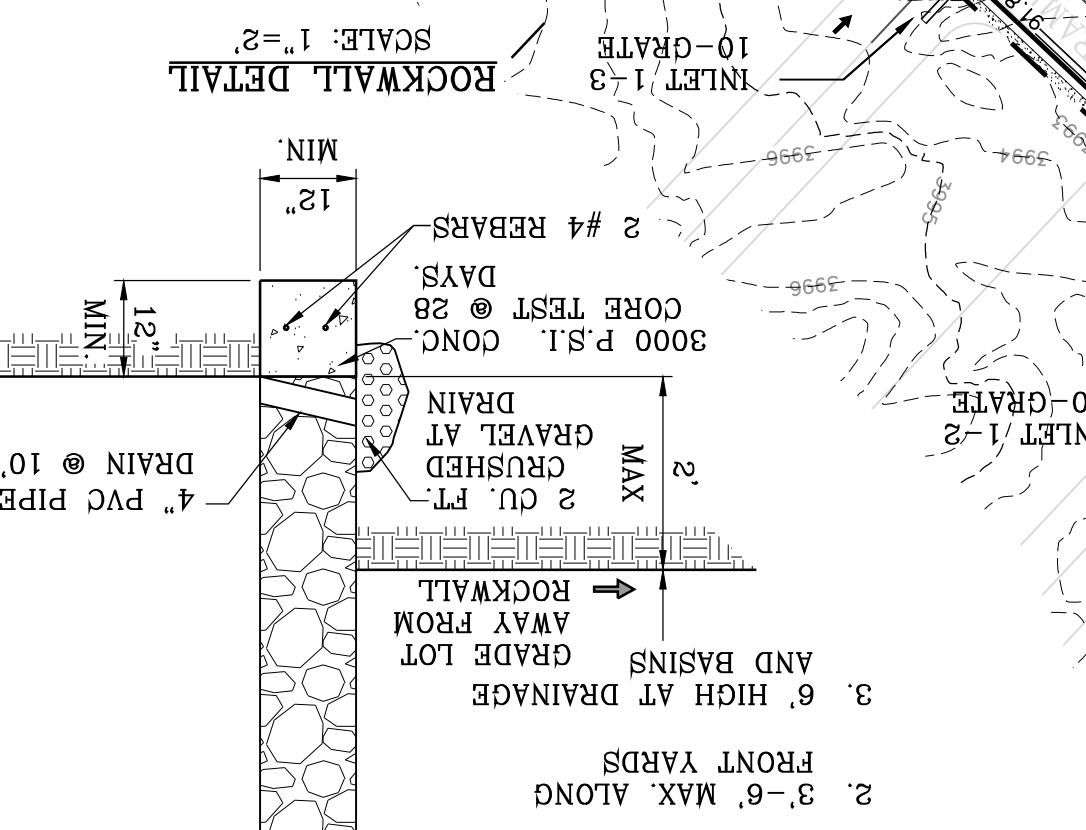
CONSTRUCTION NOTES:

1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 P.S.I. UNLESS OTHERWISE NOTED.
2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
3. 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1557. DESIRED, INSPECTION AND TESTING FOR SAME.
4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
5. RETAINING WALLS WILL BE REQUIRED WHERE THERE IS A GRADE DIFFERENCE OF 2 OR MORE FEET BETWEEN LOTS AND STREET. RETAINING WALL DESIGN AT TIME OF BUILDING PERMIT.
6. ANY CAVITY REMAINING OPEN DURING NONWORKING HOURS MUST BE GUARDED BY THE BARRICADES.
7. DEVELOPER SHALL COMPLY WITH SECTION 13.08.170 "EXCESSIVE PAVING CUTS" AS PER EL PASO MUNICIPAL CODE.

ROCKWALL NOTES:

1. STONE FOR ROCKWALLS SHALL BE AS NEARLY UNIFORM IN SIZE AND RESISTANT TO AIR AND WATER.
2. MORTAR MUST BE TYPE "S", 1800 P.S.I. AS PER ASTM C270.
3. MASONSRY WALLS OVER SIX (6) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION OVER TWO (2) FEET MUST BE DESIGNED AS STRUCTURAL WALLS.
4. WALLS ADJACENT TO PONDING AREAS OR DRAINAGE DITCHES MAY BE CONSTRUCTED OF BRICK, CINDER BLOCK OR STONE AND SHALL NOT BE LESS THAN SIX (6) FEET HIGH.
5. ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2) INCHES.
6. PROVIDE ONE (1) INCH EXPANSION JOINTS AT EVERY 100 FEET.
7. ALL STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED.
8. NO RIVER ROCK SHALL BE ALLOWED.

1. 6" MAX. ALONG REAR & SIDE YARDS.
2. 6" MAX. ALONG FRONT YARDS.
3. 6" HIGH AT DRAINAGE AND BASINS GRADE LOT AWAY FROM ROCKWALL.
4. 2" CU. FT. MAX. CRUSHED DRAIN GRAVEL AT DRAIN.
5. 3000 P.S.I. CONC. CORE TEST @ 28 DAYS.
6. 2" #4 REBARS.
7. MIN. 12" MIN. 12"



SEE CROSS SECTIONS 15-17 FOR

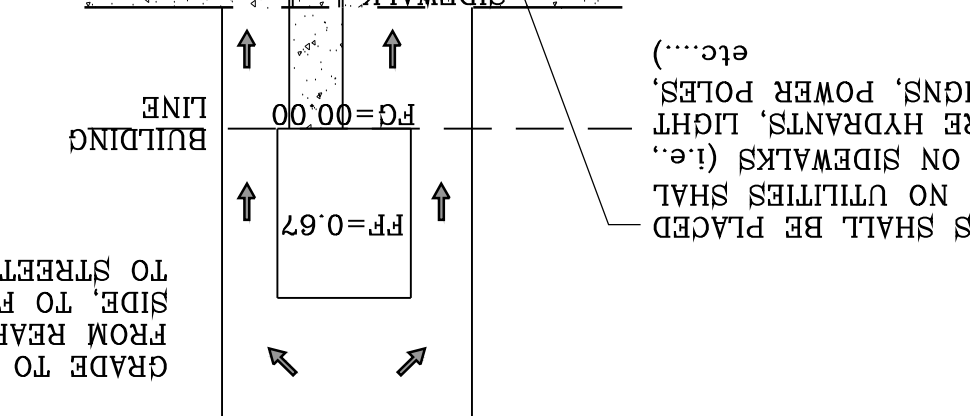
- DETAIL NO. SECTION DETAIL SHEET SECTION REFERENCE SHEET

NOTE:
HERON DESCRIBED TRACT LIES IN ZONE C, COMMUNITY PANEL NO. 480214 0010B* (PANEL NOT PRINTED; AREA IN 1982. ZONE C) DATED OCTOBER 15, 1982.

LEGEND

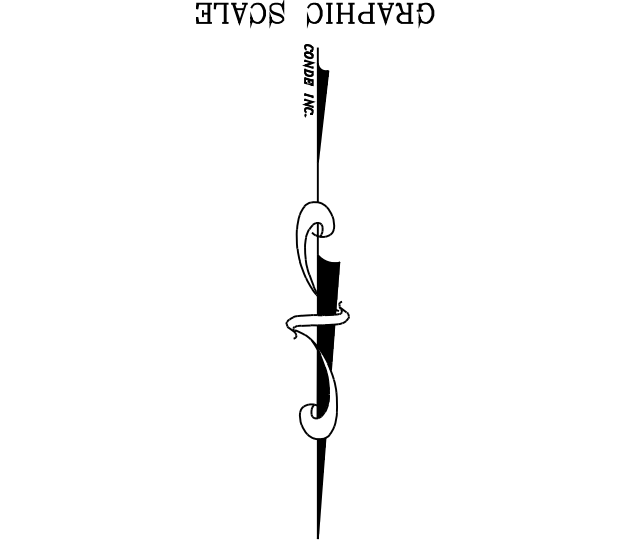
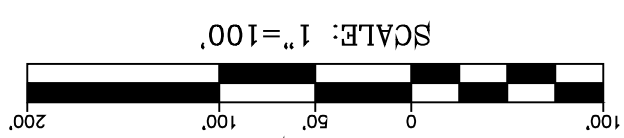
- PROPOSED FINISH FLOOR FG=00.00
- PROPOSED SPOT ELEVATION 00.00
- EXISTING SPOT ELEVATION 4000
- LOW POINT
- HIGH POINT
- PROPOSED CONTOUR 4000
- PROPOSED CONTOUR 4000
- PROPOSED ROCK WALL
- PROPOSED RETAINING WALL
- 6" CURB AND GUTTER
- 4" ROLLED CURB
- DIRECTIONAL RAMP

NOTE:
PARK SIDEWALK CROSS SLOPE 2% MAX LONGITUDINAL SLOPE 5% MAX



NOTE:
ALL UTILITIES SHALL BE PLACED IN PARKWAY. NO UTILITIES SHALL BE PLACED ON SIDEWALKS (i.e. CABLE, FIRE HYDRANTS, LIGHT POLES, SIGNS, POWER POLES, ETC.)

DRIVEWAY SLOPES MUST BE 10% MAXIMUM FROM GUTTER TO SIDEWALK. 2% FOR SIDEWALK AND 14% MAXIMUM THEREAFTER.



CONSTRUCTION ACTIVITY REQUIREMENTS:

1. NO ON-SITE PROCESSING OF MATERIALS FOR COMMERCIAL OR RETAIL SALES SHALL BE ALLOWED ON-SITE AFTER THE PERMITTEE COMPLETES THE GRADING UNDER THE PERMIT. THE PERMIT SHALL BE CLOSED, AS PART OF THE CLOSURE PROCEDURE. THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
2. A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES, THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS. THE PERMITTEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE OSP HAS BEEN IMPLEMENTED.
3. A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
4. THE CITY WILL ISSUE A LETTER STATING PERIOD REQUIREMENTS TO THE PERMIT BE IN EFFECT.

1. NO ON-SITE PROCESSING OF MATERIALS FOR COMMERCIAL OR RETAIL SALES SHALL BE ALLOWED ON-SITE AFTER THE PERMITTEE COMPLETES THE GRADING UNDER THE PERMIT. THE PERMIT SHALL BE CLOSED, AS PART OF THE CLOSURE PROCEDURE. THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
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3. A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
4. THE CITY WILL ISSUE A LETTER STATING PERIOD REQUIREMENTS TO THE PERMIT BE IN EFFECT.

1. MATERIAL STOCKPILING SHALL NOT BE ALLOWED WHEN GRADING OPERATIONS ARE IN PROGRESS FOR MORE THAN SEVEN CONSECUTIVE CALENDAR DAYS. STOCKPILING SHALL BE LIMITED TO TEN FEET HIGH WHEN GRADING OPERATIONS ARE BEING CONDUCTED.
2. TEMPORARY CROSSING SHALL BE CONSTRUCTED.
3. WHERE A BRIDGEWAY WILL BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY CROSSING SHALL BE CONSTRUCTED.
4. MATERIAL STOCKPILING SHALL NOT BE ALLOWED WHEN GRADING OPERATIONS ARE IN PROGRESS FOR MORE THAN SEVEN CONSECUTIVE CALENDAR DAYS. STOCKPILING SHALL BE LIMITED TO TEN FEET HIGH WHEN GRADING OPERATIONS ARE BEING CONDUCTED.
5. TEMPORARY CROSSING SHALL BE CONSTRUCTED.
6. WHERE A BRIDGEWAY WILL BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY CROSSING SHALL BE CONSTRUCTED.

ANY PERSON ISSUED A PERMIT SHALL AGREE TO MAINTAIN AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220. OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GRADING PLAN. THE PERMITTEE SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF THE PERMIT AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD (THE WARRANTY OR WARRANTY PERIOD). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND PROTECTION OF THE PERMIT AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND PROTECTION OF THE PERMIT AREA THROUGHOUT THE WARRANTY PERIOD.

CONDE INC.
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6050 SUITE DR STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
YOUNG CONNOR CURRY
REGISTERED PROFESSIONAL ENGINEER
NO. 64648
EXPIRES 09/15/2025

SCALE
HORIZ: 1" = 100'
VERT: 1" = 100'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME: VISTA DEL NORTE ESTATES UNIT TWO

REVISIONS:

| DATE | BY | REVISIONS |
|----------|------|--|
| 09/19/19 | F.R. | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/16/20 | F.R. | CITY REDLINES AS PER 11/05/20 COMMENTS |
| 02/11/21 | F.R. | CITY REDLINES AS PER 02/09/21 COMMENTS |

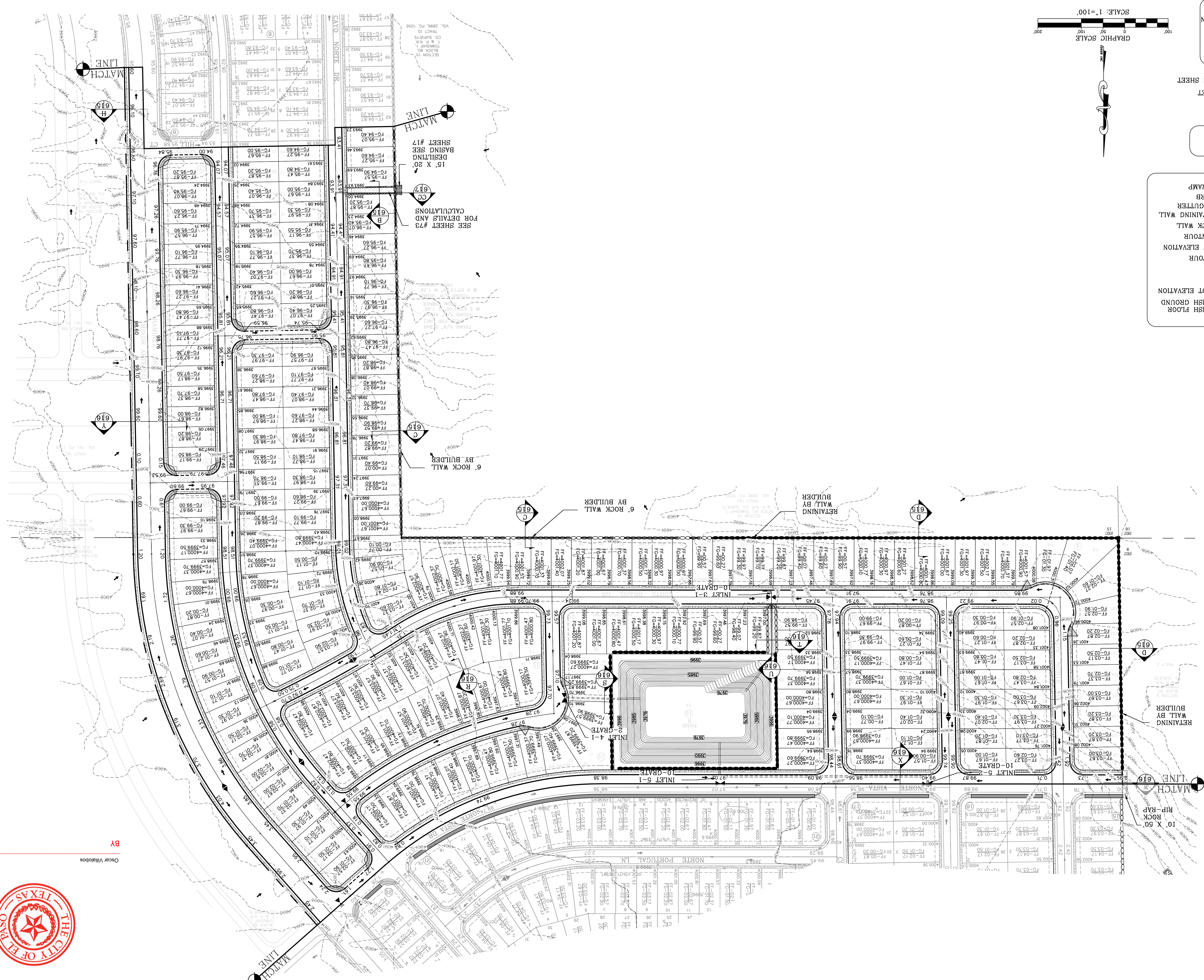
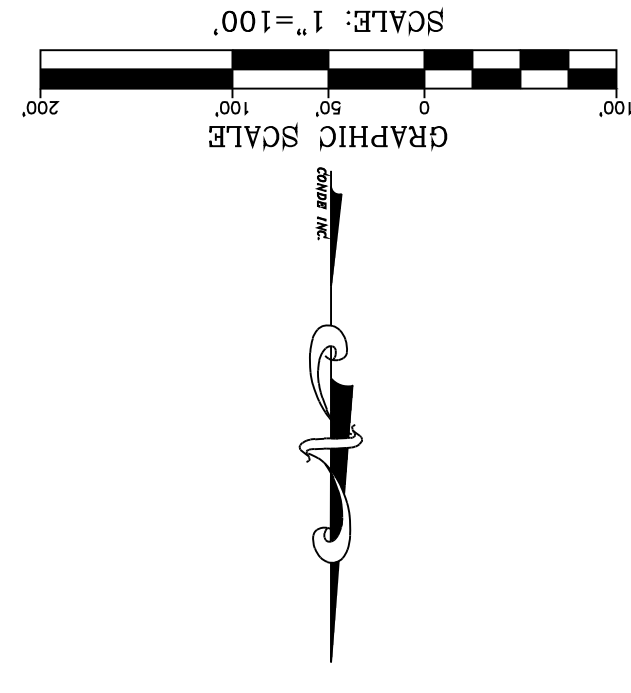
COMMENTS:
1. 7/27 REBAR PANEL POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N31°58'39.990" LONGITUDE: 106°2'38.6012" ELEVATION: 4004.41 AND 10 FEET TO ORIGIN AND 80 DATUM AS REFERENCED TO NAD 83. ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DRAIN/RAILROAD INTERCEPTOR PLANS

NOTE:
HERON DESCRIBED TRACT
LIES IN ZONE C COMMUNITY
PANEL NO. 48214 0010B*
(PANEL NOT PRINTED. AREA IN
ZONE C) DATED OCTOBER 15,
1982.

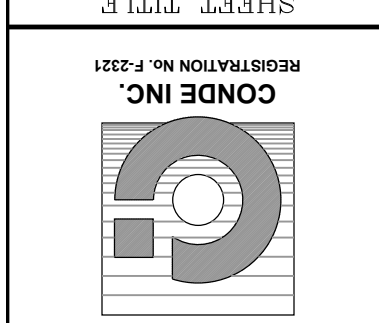
DETAIL NO.
SECTION DETAIL SHEET
SECTION REFERENCE SHEET

SEE SHEETS 16-17 FOR
CROSS SECTIONS

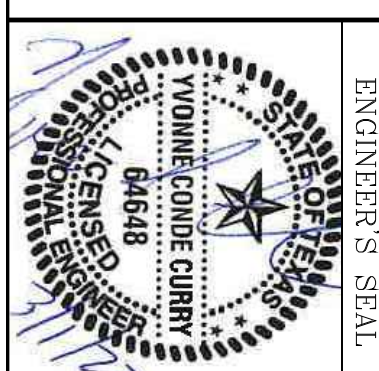
- LEGEND
- FF=6.7 PROPOSED FINISH FLOOR
 - FG=00.00 PROPOSED SPOT ELEVATION
 - 00.00 HIGH POINT
 - 4.000 LOW POINT
 - 4.000 EXISTING CONTOUR
 - 4.000 EXISTING SPOT ELEVATION
 - 4.000 PROPOSED CONTOUR
 - 4.000 PROPOSED ROCK WALL
 - 4.000 PROPOSED RETAINING WALL
 - 4.000 6" CURB AND GUTTER
 - 4.000 4" ROLLED CURB
 - 4.000 DIRECTIONAL RAMP



SHT 6 OF 83
GRADING
PLAN -
GRA-2



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EL PASO, TEXAS 79905
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FAX: (915) 592-0286



ENGINEER'S SEAL
S C A L E
HORIZ: 1" = 100'
VERT: 1" = 100'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B, 14, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,622± ACRES

DATE: 09/18/19
11/16/20
02/11/21
BY: F.R.
CITY REDLINES AS PER 05/06/19 COMMENTS
CITY REDLINES AS PER 11/06/20 COMMENTS
CITY REDLINES AS PER 02/09/21 COMMENTS



BY Oscar Villalobos
DATE 03/11/2022

- PARK NOTES:**
1. WHERE POSSIBLE AND PREFERABLY, UTILITIES SHALL BE PLACED UNDERNEATH THE PROPOSED 7' WIDE SIDEWALK TO AVOID DAMAGE TO THE UTILITIES. IF INSTALLATION OF UTILITIES IS NECESSARY, THEY SHALL BE MINIMUM PIPE (6") DEEP.
 2. NO TRANSFORMERS, PEDSTAL OR JUNCTION BOXES SHALL BE INSTALLED WITHIN "PARK SITE" OR WITHIN NEW SIDEWALKS. REMEDED TO ELIMINATE HARD SOILS, STONY SOILS, HIGH CALICHE SOILS, CLAY SOILS, COURSE SANDS AND CONTAMINATED SOILS TO A MINIMUM DEPTH OF 12 INCHES AS REQUIRED FOR PROPER PLANNING AS REQUIRED PER THE DESIGN AND CONSTRUCTION.

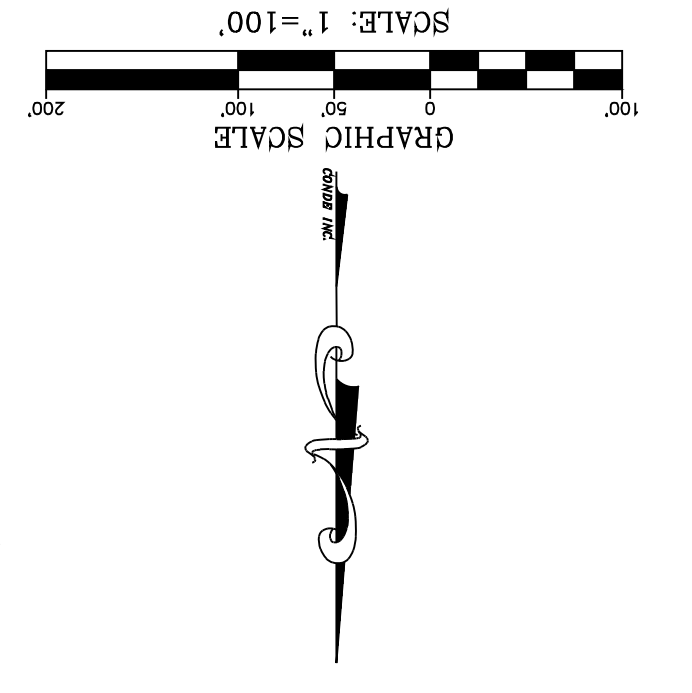
LEGEND

| | |
|---------|-------------------------|
| FF=0.67 | PROPOSED FINISH FLOOR |
| 00.00 | PROPOSED SPOT ELEVATION |
| ▲ | HIGH POINT |
| ▼ | LOW POINT |
| 4000 | EXISTING CONTOUR |
| 4000 | EXISTING SPOT ELEVATION |
| 4000 | PROPOSED CONTOUR |
| 4000 | PROPOSED ROCK WALL |
| ----- | PROPOSED RETAINING WALL |
| ----- | 6" CURB AND GUTTER |
| ----- | 4" ROLLED CURB |
| ----- | DIRECTIONAL RAMP |

SEE SHEETS 15-17 FOR CROSS SECTIONS

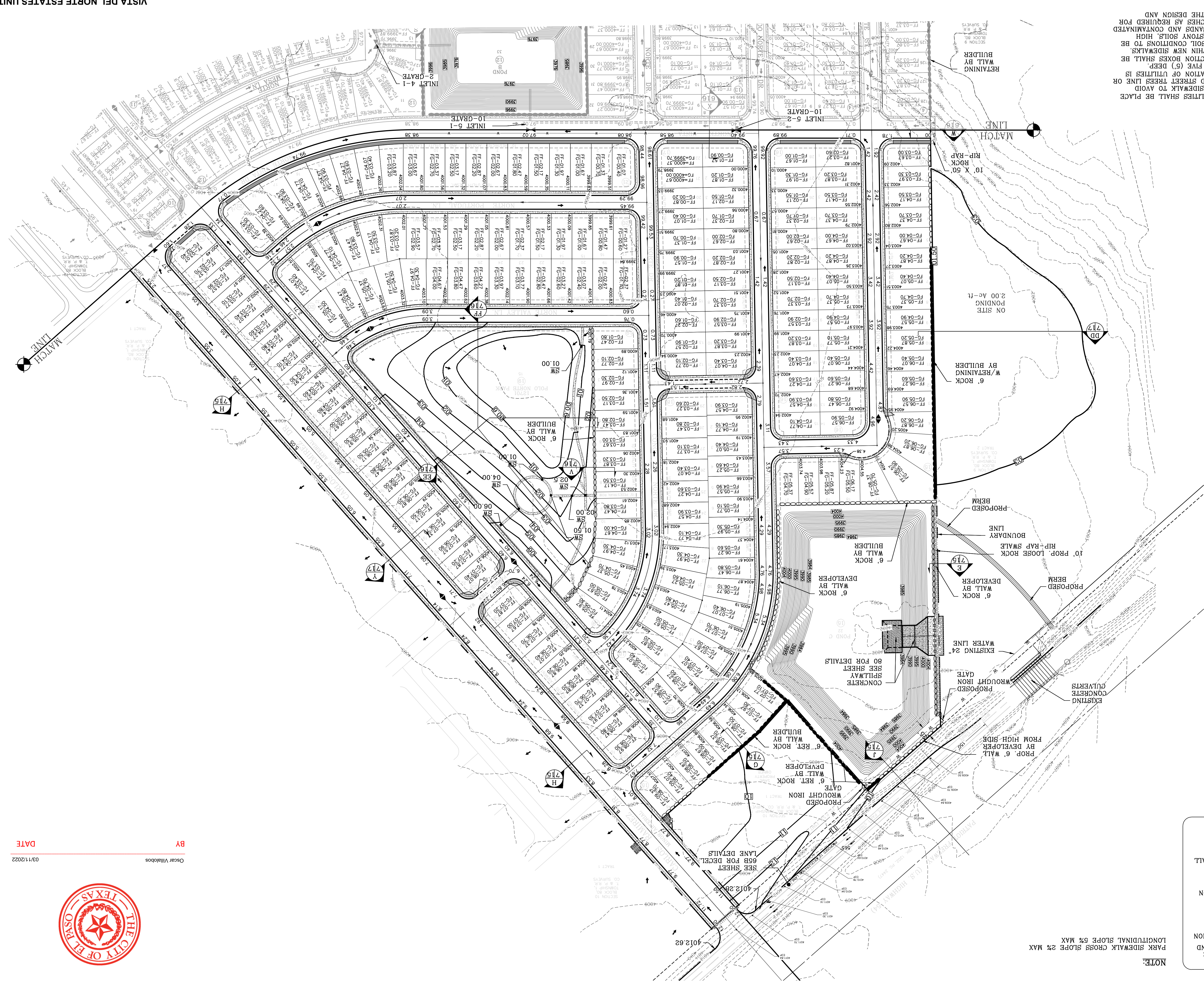
DETAIL NO. SECTION DETAIL SHEET SECTION REFERENCE SHEET

NOTE:
HERON DESCRIBED TRACT LIES IN ZONE C, COMMUNITY PANEL NO. 480214 0010B. (PANEL NOT PRINTED: AREA IN ZONE C) DATED OCTOBER 15, 1982.



NOTE:

PARK SIDEWALK CROSS SLOPE 2% MAX
LONGITUDINAL SLOPE 6% MAX



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DATE: MARCH 2017
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PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, CONTAINING: 128,622± ACRES

REVISIONS

| DATE | REVISIONS | BY |
|----------|--|------|
| 09/19/19 | CITY REDLINES AS PER 05/06/19 COMMENTS | F.R. |
| 11/16/20 | CITY REDLINES AS PER 11/06/20 COMMENTS | F.R. |
| 02/08/21 | REVISED POND C TO DEFICIT 25' P.S.B. ESWT. | F.R. |

05/04/21 DEFICIT 24' EXISTING WATER LINE
03/02/21 ADD WROUGHT IRON GATE FOR P.S.B. ACCESS F.R.

BY Oscar Villalobos
DATE 03/11/2022

THE CITY OF EL PASO, TEXAS

ON-SITE WATERSHED-POND A

$Q_T = A \cdot R \cdot C = AC \cdot PT$
 $Q_T = 96.19(4) \cdot 0.60 = 19.24 \text{ ac-ft}$
 $Q_{REQ} \text{ (TOTAL)} = 26.55$
 $Q_{CAP} \text{ (TOTAL)} = 28.56$
 $100 \text{ YEAR HW ELEVATION} = 3986.06$

RESIDENTIAL
 SEE NOTE ("A")
 & POND A =
 OFFSITE A&I
 FUTURE
 COMMERCIAL=
 OFFSITE "G"
 UNDEVELOPED=
 4.39 ac-ft
 39.95(4) 0.33
 12
 24.86 ac-ft
 1.69
 SILT & DEBRIS =

STRUCTURE #1-2 INLET DATA

| INLET NO. | INLET TYPE | Q ₄₀₀ cfs | Q ₁₀₀ cfs |
|-----------|------------|----------------------|----------------------|
| 1-1 | II mod. | 36.36 | 77.20 |
| 1-2 | II mod. | 59.98 | 77.20 |
| 1-3 | II mod. | 13.81 | 77.20 |
| 2-1 | II mod. | 44.51 | 50.59 |
| 2-2 | II mod. | 51.07 | 58.07 |

CLOGGING FACTOR = 2/3

| NAME | Q ₄₀₀ cfs | Q ₁₀₀ cfs | Velocity | Depth |
|---------------------|----------------------|----------------------|----------|-------|
| 15' DRAINAGE R.O.W. | 27.33 | 37.78 | 6.13 | 0.42' |

| STREET NAME | STATION | Q ₄₀₀ cfs | Q ₁₀₀ cfs | Velocity | Depth |
|-------------------|---------|----------------------|----------------------|----------|-------|
| CAYO NORTE DR. | 0+48.51 | 47.82 | 59.08 | 4.04 | 0.37' |
| RIO DEL NORTE DR. | 7+50.49 | 50.59 | 59.08 | 4.16 | 0.38' |
| NORTE CHILE WAY | 4+93.58 | 30.54 | 59.08 | 3.41 | 0.28' |

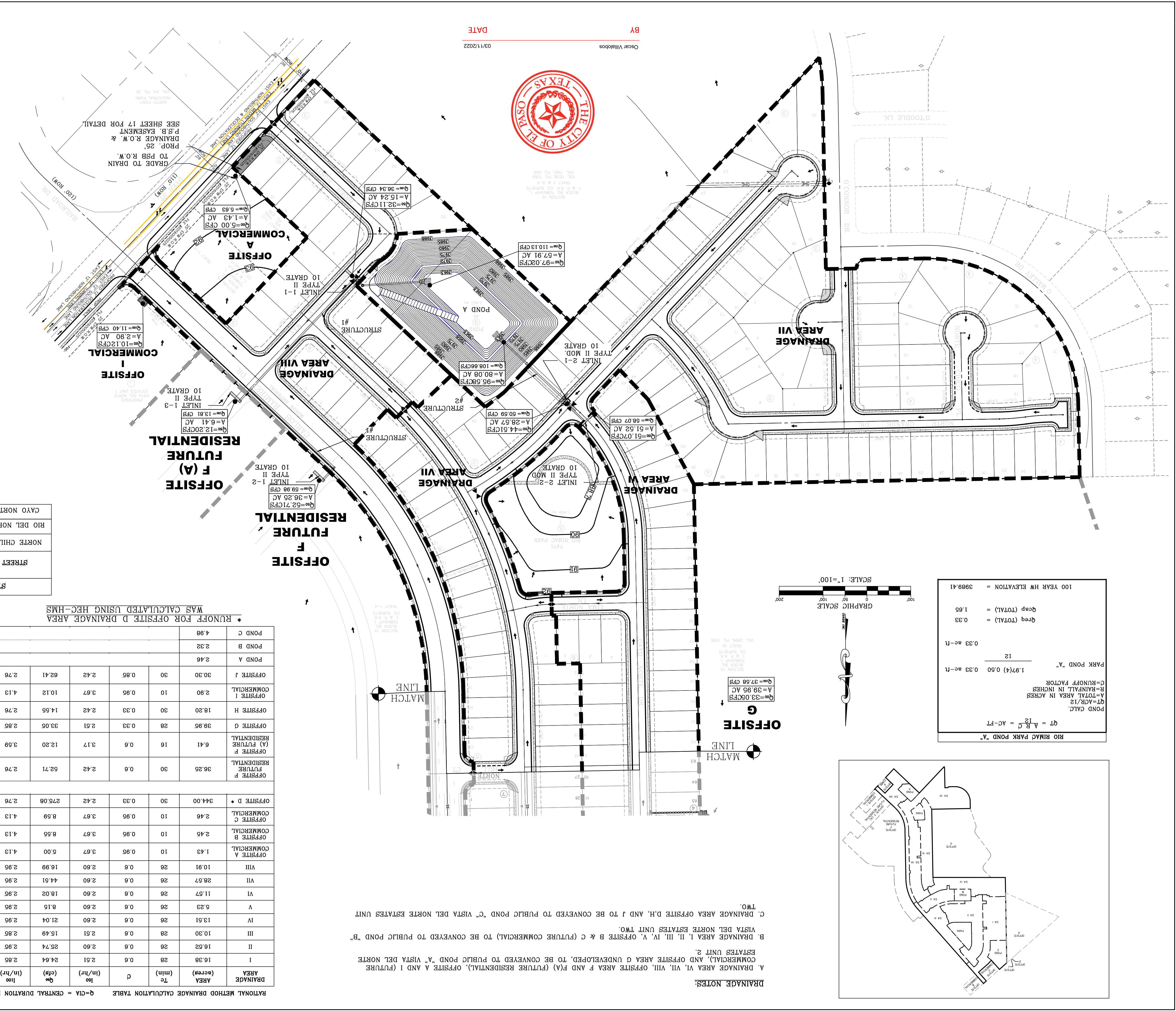
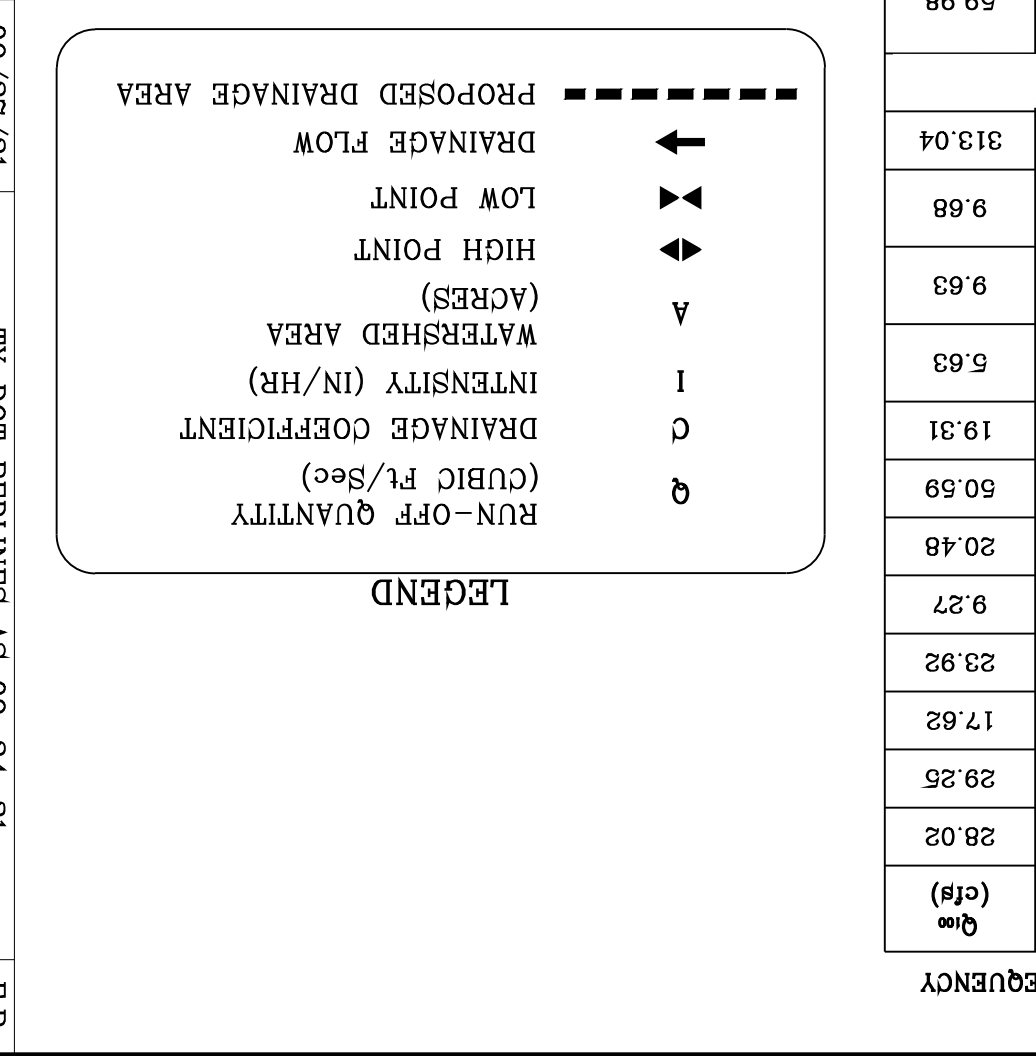
STREET CARRYING CAPACITY-FLAT SECTION-50 YR STORM

* RUNOFF FOR OFFSITE D DRAINAGE AREA WAS CALCULATED USING HEC-HMS

SEE SHEETS 67-69 FOR DRAINAGE STRUCTURES

SEE SHEETS 76-79 FOR POND CAPACITY AND HIGH WATER SURFACE ELEVATION CALCULATIONS

$150 = \frac{111.04}{(TC + 24.562) \cdot 0.007}$
 $1100 = \frac{91.77}{(TC + 26.09) \cdot 0.017}$



RATIONAL METHOD DRAINAGE CALCULATION TABLE

Q=CIA = CENTRAL DURATION FREQUENCY

| DRAINAGE AREA (acres) | T _c (min) | Q ₁₀₀ (cfs) | Q ₄₀₀ (cfs) |
|-----------------------|----------------------|------------------------|------------------------|
| OFFSITE A | 1.43 | 10.91 | 28.57 |
| OFFSITE B | 1.43 | 10.91 | 28.57 |
| OFFSITE C | 2.46 | 2.46 | 9.68 |
| OFFSITE D | 3.44 | 2.46 | 9.68 |
| OFFSITE E | 3.44 | 2.46 | 9.68 |
| OFFSITE F | 3.44 | 2.46 | 9.68 |
| OFFSITE G | 3.44 | 2.46 | 9.68 |
| OFFSITE H | 3.44 | 2.46 | 9.68 |
| OFFSITE I | 3.44 | 2.46 | 9.68 |
| OFFSITE J | 3.44 | 2.46 | 9.68 |
| POND A | 2.46 | 2.46 | 9.68 |
| POND B | 2.46 | 2.46 | 9.68 |
| POND C | 4.98 | 2.46 | 9.68 |

STREET CARRYING CAPACITY-FLAT SECTION-50 YR STORM

| STREET NAME | STATION | Q ₄₀₀ cfs | Q ₁₀₀ cfs | Velocity | Depth |
|-------------------|---------|----------------------|----------------------|----------|-------|
| CAYO NORTE DR. | 0+48.51 | 47.82 | 59.08 | 4.04 | 0.37' |
| RIO DEL NORTE DR. | 7+50.49 | 50.59 | 59.08 | 4.16 | 0.38' |
| NORTE CHILE WAY | 4+93.58 | 30.54 | 59.08 | 3.41 | 0.28' |

* RUNOFF FOR OFFSITE D DRAINAGE AREA WAS CALCULATED USING HEC-HMS

| NAME | Q ₄₀₀ cfs | Q ₁₀₀ cfs | Velocity | Depth |
|---------------------|----------------------|----------------------|----------|-------|
| 15' DRAINAGE R.O.W. | 27.33 | 37.78 | 6.13 | 0.42' |

STRUCTURE #1-2 INLET DATA

| INLET NO. | INLET TYPE | Q ₄₀₀ cfs | Q ₁₀₀ cfs |
|-----------|------------|----------------------|----------------------|
| 1-1 | II mod. | 36.36 | 77.20 |
| 1-2 | II mod. | 59.98 | 77.20 |
| 1-3 | II mod. | 13.81 | 77.20 |
| 2-1 | II mod. | 44.51 | 50.59 |
| 2-2 | II mod. | 51.07 | 58.07 |

CLOGGING FACTOR = 2/3

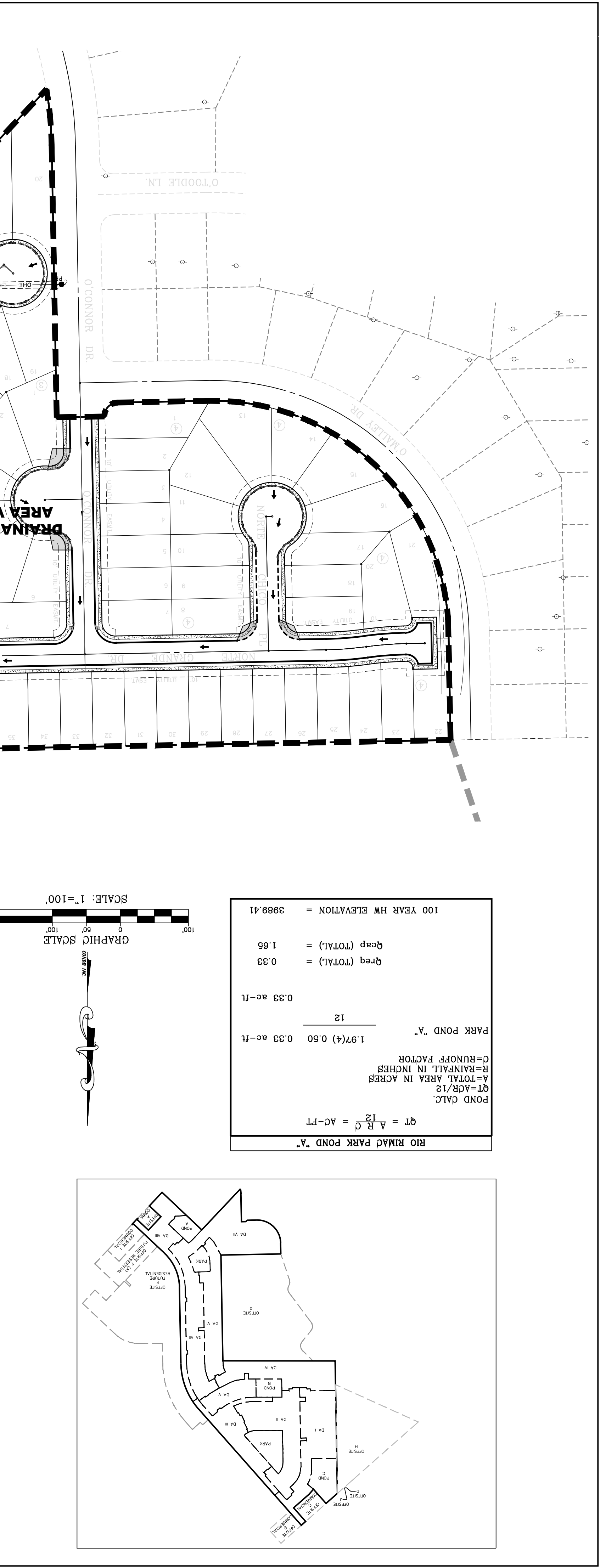
ON-SITE WATERSHED-POND A

$Q_T = A \cdot R \cdot C = AC \cdot PT$
 $Q_T = 96.19(4) \cdot 0.60 = 19.24 \text{ ac-ft}$
 $Q_{REQ} \text{ (TOTAL)} = 26.55$
 $Q_{CAP} \text{ (TOTAL)} = 28.56$
 $100 \text{ YEAR HW ELEVATION} = 3986.06$

DATE: 03/11/2022 BY: Oscar Villalobos

THE CITY OF EL PASO, TEXAS

DRAINAGE NOTES:
 A DRAINAGE AREA VI, VII, VIII, OFFSITE AREA F AND F(A) (FUTURE RESIDENTIAL), OFFSITE A AND I (FUTURE COMMERCIAL), AND OFFSITE AREA G UNDEVELOPED, TO BE CONVEYED TO PUBLIC POND "A" VISTA DEL NORTE ESTATES UNIT 2.
 B DRAINAGE AREA I, II, III, IV, V, OFFSITE B & C (FUTURE COMMERCIAL) TO BE CONVEYED TO PUBLIC POND "B" VISTA DEL NORTE ESTATES UNIT TWO.
 C DRAINAGE AREA OFFSITE D, H, AND J TO BE CONVEYED TO PUBLIC POND "C" VISTA DEL NORTE ESTATES UNIT TWO.



GRAPHIC SCALE: 1" = 100'

$Q_T = A \cdot R \cdot C = AC \cdot PT$
 $Q_T = 1.97(4) \cdot 0.60 = 0.33 \text{ ac-ft}$
 $Q_{REQ} \text{ (TOTAL)} = 0.33$
 $Q_{CAP} \text{ (TOTAL)} = 1.66$
 $100 \text{ YEAR HW ELEVATION} = 3989.41$

POND CALC
 Q_T=A·R·C
 A-TOTAL AREA IN ACRES
 R-RAINFALL IN INCHES
 C-RUNOFF FACTOR
 PARK POND "A"
 1.97(4) 0.60 0.33 ac-ft
 12
 0.33 ac-ft
 1.66
 3989.41

DRAINAGE NOTES:

A. DRAINAGE AREA VI, VII, VIII, OFFSITE A AND I (FUTURE RESIDENTIAL), OFFSITE A AND I (FUTURE COMMERCIAL), AND OFFSITE AREA G UNDEVELOPED, TO BE CONVEYED TO PUBLIC POND 'A', VISTA DEL NORTE ESTATES UNIT 2.
 B. DRAINAGE AREA I, II, III, IV, V, OFFSITE B & C (FUTURE COMMERCIAL) TO BE CONVEYED TO PUBLIC POND 'B', VISTA DEL NORTE ESTATES UNIT TWO.
 C. DRAINAGE AREA OFFSITE D, H, AND J TO BE CONVEYED TO PUBLIC POND 'C', VISTA DEL NORTE ESTATES UNIT TWO.

* RUNOFF FOR OFFSITE D DRAINAGE AREA WAS CALCULATED USING HEC-HMS

| DRAINAGE AREA | Area (acres) | Tc (min) | C | Qc (cfs) | Qc (100 cfs) | Qc (in/hr) | Qc (in/hr) | Qc (in/hr) | Qc (in/hr) | Qc (in/hr) |
|----------------------------------|--------------|----------|---------|----------|--------------|------------|------------|------------|------------|------------|
| OFFSITE F | 36.25 | 30 | 0.6 | 2.42 | 52.71 | 2.76 | 3.69 | 12.20 | 3.69 | 13.81 |
| OFFSITE F (A) FUTURE RESIDENTIAL | 6.41 | 16 | 0.6 | 3.17 | 12.20 | 3.69 | 3.69 | 12.20 | 3.69 | 13.81 |
| OFFSITE G | 39.95 | 28 | 0.33 | 2.51 | 33.05 | 2.85 | 3.69 | 12.20 | 2.85 | 37.58 |
| OFFSITE H | 18.20 | 30 | 0.33 | 2.42 | 14.55 | 2.76 | 3.69 | 12.20 | 2.76 | 16.56 |
| OFFSITE I | 2.90 | 10 | 0.95 | 3.87 | 10.12 | 4.13 | 3.69 | 12.20 | 4.13 | 11.40 |
| OFFSITE J | 30.30 | 30 | 0.85 | 2.42 | 62.41 | 2.76 | 3.69 | 12.20 | 2.76 | 71.02 |
| POND A | 2.46 | | | | | | | | | |
| POND B | 2.32 | | | | | | | | | |
| POND C | 4.98 | | | | | | | | | |
| OFFSITE D * | 344.00 | 30 | 0.33 | 2.42 | 275.08 | 2.76 | 3.69 | 12.20 | 2.76 | 313.04 |
| OFFSITE C | 2.46 | 10 | 0.95 | 3.87 | 8.59 | 4.13 | 3.69 | 12.20 | 4.13 | 9.68 |
| OFFSITE B | 2.46 | 10 | 0.95 | 3.87 | 8.59 | 4.13 | 3.69 | 12.20 | 4.13 | 9.68 |
| OFFSITE A | 1.43 | 10 | 0.95 | 3.87 | 5.00 | 4.13 | 3.69 | 12.20 | 4.13 | 5.63 |
| VIII | 10.91 | 26 | 0.6 | 2.60 | 16.99 | 2.85 | 3.69 | 12.20 | 2.85 | 19.31 |
| VII | 28.57 | 26 | 0.6 | 2.60 | 44.51 | 2.85 | 3.69 | 12.20 | 2.85 | 50.59 |
| VI | 11.57 | 26 | 0.6 | 2.60 | 18.02 | 2.85 | 3.69 | 12.20 | 2.85 | 20.48 |
| V | 6.23 | 26 | 0.6 | 2.60 | 8.15 | 2.85 | 3.69 | 12.20 | 2.85 | 9.27 |
| IV | 13.51 | 26 | 0.6 | 2.60 | 21.04 | 2.85 | 3.69 | 12.20 | 2.85 | 23.92 |
| III | 10.30 | 26 | 0.6 | 2.60 | 15.49 | 2.85 | 3.69 | 12.20 | 2.85 | 17.62 |
| II | 16.52 | 26 | 0.6 | 2.60 | 25.74 | 2.85 | 3.69 | 12.20 | 2.85 | 29.25 |
| I | 16.98 | 26 | 0.6 | 2.60 | 24.64 | 2.85 | 3.69 | 12.20 | 2.85 | 28.02 |
| AREA I | 100 | | | | | | | | | |
| Qc | (cfs) | (in/hr) | (in/hr) | (in/hr) | (in/hr) | (in/hr) | (in/hr) | (in/hr) | (in/hr) | (in/hr) |

$150 = (TC + 24.562) 0.087$
 $110 = (TC + 26.09) 0.177$
 $111.04 = (TC + 26.09) 0.177$

STREET CARRYING CAPACITY-FLAT SECTION-60 YR STORM

| STREET NAME | STATION | Qc CFS | Qc CFS | Qc CFS | Velocity | Depth |
|------------------|----------|--------|--------|--------|----------|-------|
| NORTE BRASIL DR. | 23+89.86 | 21.04 | 2.99 | 0.25 | | |
| NORTE MESA LN. | 2+31.88 | 8.15 | 59.08 | 0.14 | | |
| NORTE VISTA DR. | 4+48.10 | 52.80 | 74.10 | 4.06 | 0.37 | |
| NORTE VISTA DR. | 9+27.44 | 42.50 | 74.10 | 3.65 | 0.33 | |

ON SITE WATERSHED-POND B

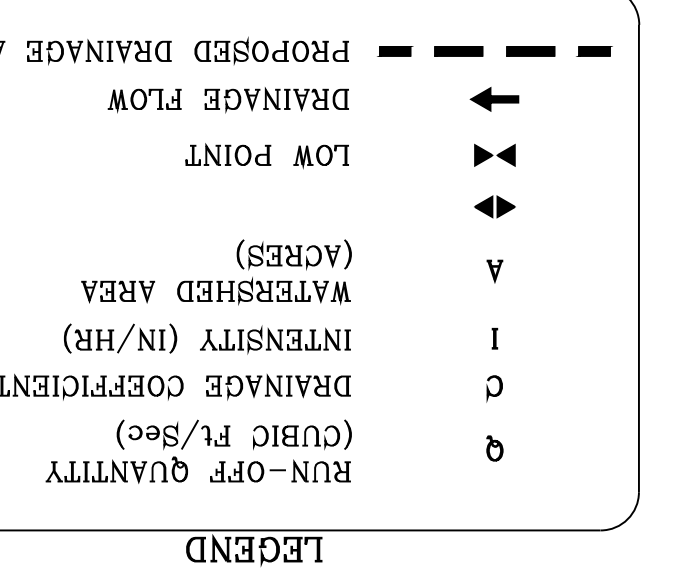
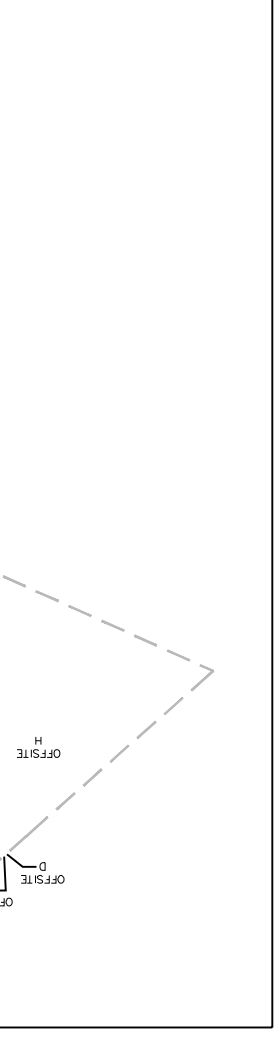
| NAME | Qc CFS | Qc CFS | Qc CFS | Velocity | Depth |
|---------------------|--------|--------|--------|----------|-------|
| 15' DRAINAGE R.O.W. | 27.33 | 37.78 | 6.13 | 0.42 | |

ON SITE WATERSHED-POND B

$QT = \frac{A}{R} \cdot C = AC-PT$
 $Q = CFS$
 $Q_c = 0.83$
 $Q_{res} (TOTAL) = 16.08$
 $Q_{cap} (TOTAL) = 22.38$
 100 YEAR HW ELEVATION = 3990.43
 100 YEAR PONDED DEPTH = 3990.97

STRUCTURE #3-5 INLET DATA

| Inlet | No. | Type | Grates | Qc cfs | Qc cfs | Qc cfs | Logging Factor = 2/3 |
|-------|----------|------|--------|--------|--------|--------|----------------------|
| 3-1 | II mod. | 10 | 21.04 | 23.92 | 77.20 | | |
| 4-1 | III mod. | 2 | 8.15 | 9.27 | 15.44 | | |
| 5-1 | II mod. | 10 | 41.23 | 46.87 | 77.20 | | |
| 5-2 | II mod. | 10 | 49.27 | 55.84 | 77.20 | | |



SEE SHEETS 67-69 FOR DRAINAGE STRUCTURES
 SEE SHEETS 76-79 FOR POND CAPACITY AND HIGH WATER SURFACE ELEVATION CALCULATIONS
 NOTE:
 HEREON DESCRIBED TRACT LIES IN ZONE C COMMUNITY LIES IN ZONE C COMMUNITY PANEL NO. 480214 0010B* (PANEL NOT PRINTED) AREA IN 1982.

VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS
 CONTAINING: 128,622± ACRES

ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

CONDE INC.
 REGISTRATION NO. F-2221

CONDE INC.
 REGISTRATION NO. F-2221

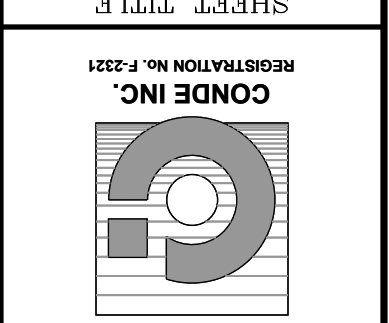
SHT 9 OF 83
 DRAINAGE PLAN 2

VISTA DEL NORTE ESTATES UNIT TWO
 DATE: 03/11/2022
 Oscar Villalobos



VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS
 CONTAINING: 128,622± ACRES

REVISIONS
 DATE
 BY
 REVISIONS AS PER 05/06/19 COMMENTS
 09/18/19
 11/16/20
 02/21/21
 CITY REDLINES AS PER 11/06/20 COMMENTS
 CITY REDLINES AS PER 02/09/21 COMMENTS



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

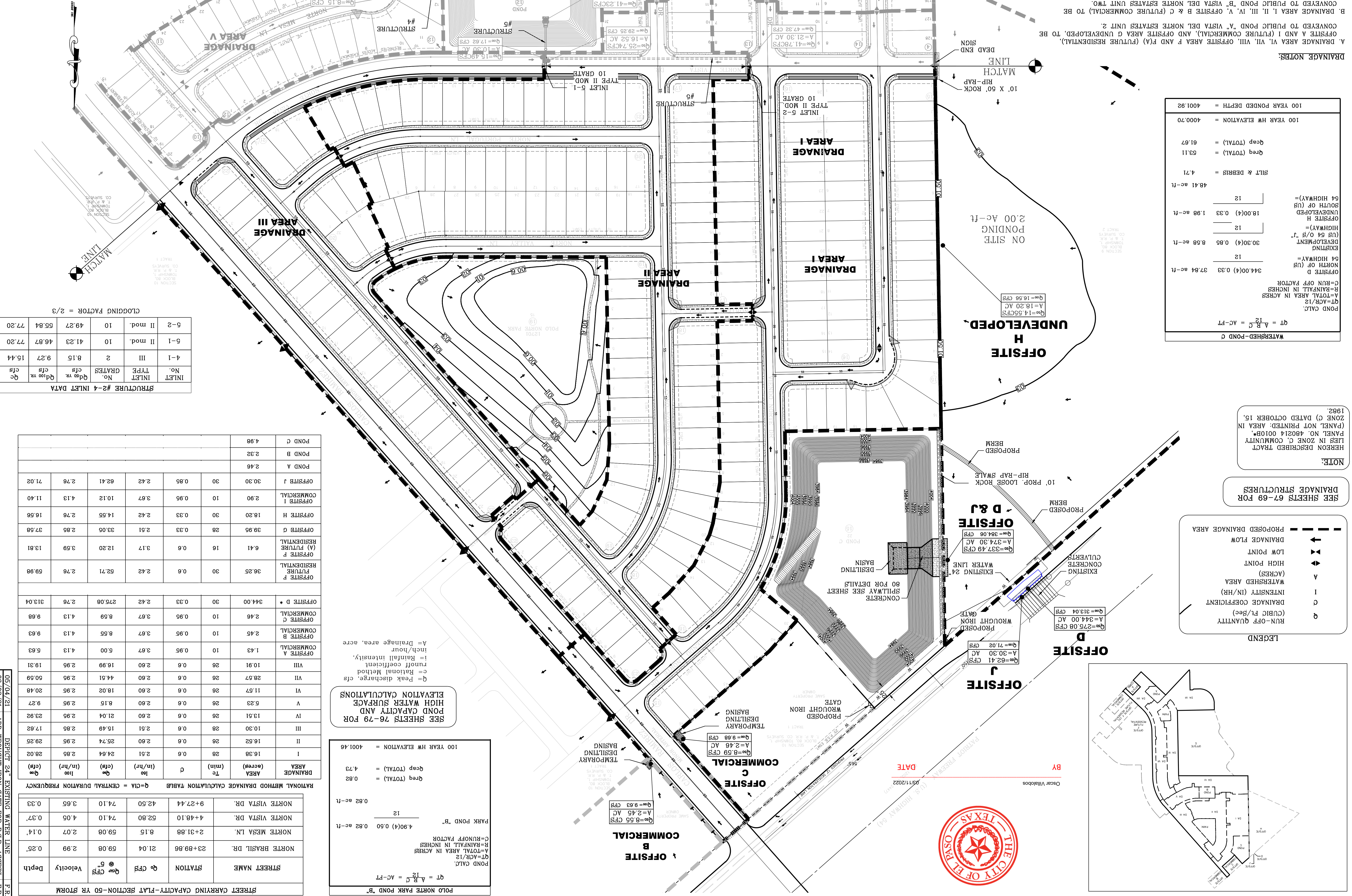
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

SCALE
HORIZ: 1" = 100'
VERT: [unspecified]

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|--|
| 09/19/19 | F.R. | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/16/20 | F.R. | CITY REDLINES AS PER 11/05/20 COMMENTS |
| 02/08/21 | F.R. | REVISED POND TO DEPICT 25' P.S.B. ESM.T. |

VISTA DEL NORTE ESTATES UNIT TWO



STRUCTURE #2-4 INLET DATA

| INLET NO. | INLET TYPE | GRATES | Q ₁₀ yr. cfs | Q ₂ yr. cfs | Q ₁ yr. cfs |
|-----------|------------|--------|-------------------------|------------------------|------------------------|
| 4-1 | III | 2 | 8.15 | 9.27 | 15.44 |
| 5-1 | II mod. | 10 | 41.23 | 46.87 | 77.20 |
| 5-2 | II mod. | 10 | 49.27 | 55.84 | 77.20 |

CLOGGING FACTOR = 2/3

RATIONAL METHOD DRAINAGE CALCULATION TABLE

| STREET NAME | STATION | Q ₁₀ CFS | Q ₂ CFS | Q ₁ CFS | Velocity | Depth |
|------------------|----------|---------------------|--------------------|--------------------|----------|-------|
| NORTE BRASIL DR. | 23+89.66 | 21.04 | 59.08 | 2.99 | 0.25' | |
| NORTE MESA LN. | 2+31.88 | 8.15 | 59.08 | 2.07 | 0.14' | |
| NORTE VISTA DR. | 4+48.10 | 52.80 | 74.10 | 4.05 | 0.37' | |
| NORTE VISTA DR. | 9+27.44 | 42.50 | 74.10 | 3.65 | 0.33' | |

STREET CARRYING CAPACITY - FLAT SECTION - 50 YR STORM

| STREET NAME | STATION | Q ₁₀ CFS | Q ₂ CFS | Q ₁ CFS | Velocity | Depth |
|------------------|----------|---------------------|--------------------|--------------------|----------|-------|
| NORTE BRASIL DR. | 23+89.66 | 21.04 | 59.08 | 2.99 | 0.25' | |
| NORTE MESA LN. | 2+31.88 | 8.15 | 59.08 | 2.07 | 0.14' | |
| NORTE VISTA DR. | 4+48.10 | 52.80 | 74.10 | 4.05 | 0.37' | |
| NORTE VISTA DR. | 9+27.44 | 42.50 | 74.10 | 3.65 | 0.33' | |

SEE SHEETS 76-79 FOR HIGH WATER SURFACE AND POND CAPACITY AND ELEVATION CALCULATIONS

| AREA (ac) | Tc (min) | C | Q ₁₀₀ yr. (cfs) | Q ₂ yr. (cfs) | Q ₁ yr. (cfs) |
|------------------------------|----------|------|----------------------------|--------------------------|--------------------------|
| 1 | 28 | 0.6 | 24.64 | 2.85 | 28.02 |
| II | 26 | 0.6 | 25.74 | 2.95 | 29.25 |
| III | 28 | 0.6 | 15.49 | 2.85 | 17.82 |
| IV | 26 | 0.6 | 21.04 | 2.85 | 23.92 |
| V | 26 | 0.6 | 8.15 | 2.95 | 9.27 |
| VI | 26 | 0.6 | 18.02 | 2.95 | 20.48 |
| VII | 26 | 0.6 | 28.57 | 2.95 | 30.59 |
| VIII | 26 | 0.6 | 16.99 | 2.95 | 19.31 |
| OFFSITE A COMMERCIAL | 10 | 0.95 | 5.00 | 4.13 | 5.63 |
| OFFSITE B COMMERCIAL | 10 | 0.95 | 3.67 | 4.13 | 5.63 |
| OFFSITE C COMMERCIAL | 10 | 0.95 | 8.59 | 4.13 | 9.68 |
| OFFSITE D * COMMERCIAL | 30 | 0.33 | 2.42 | 2.76 | 313.04 |
| OFFSITE F FUTURE RESIDENTIAL | 30 | 0.6 | 52.71 | 2.76 | 59.98 |
| OFFSITE G FUTURE RESIDENTIAL | 28 | 0.33 | 33.05 | 2.85 | 37.58 |
| OFFSITE H COMMERCIAL | 30 | 0.33 | 14.55 | 2.76 | 16.56 |
| OFFSITE I COMMERCIAL | 10 | 0.95 | 3.67 | 4.13 | 11.40 |
| OFFSITE J COMMERCIAL | 30 | 0.86 | 62.41 | 2.76 | 71.02 |
| POND A | 2.46 | | | | |
| POND B | 2.32 | | | | |
| POND C | 4.98 | | | | |

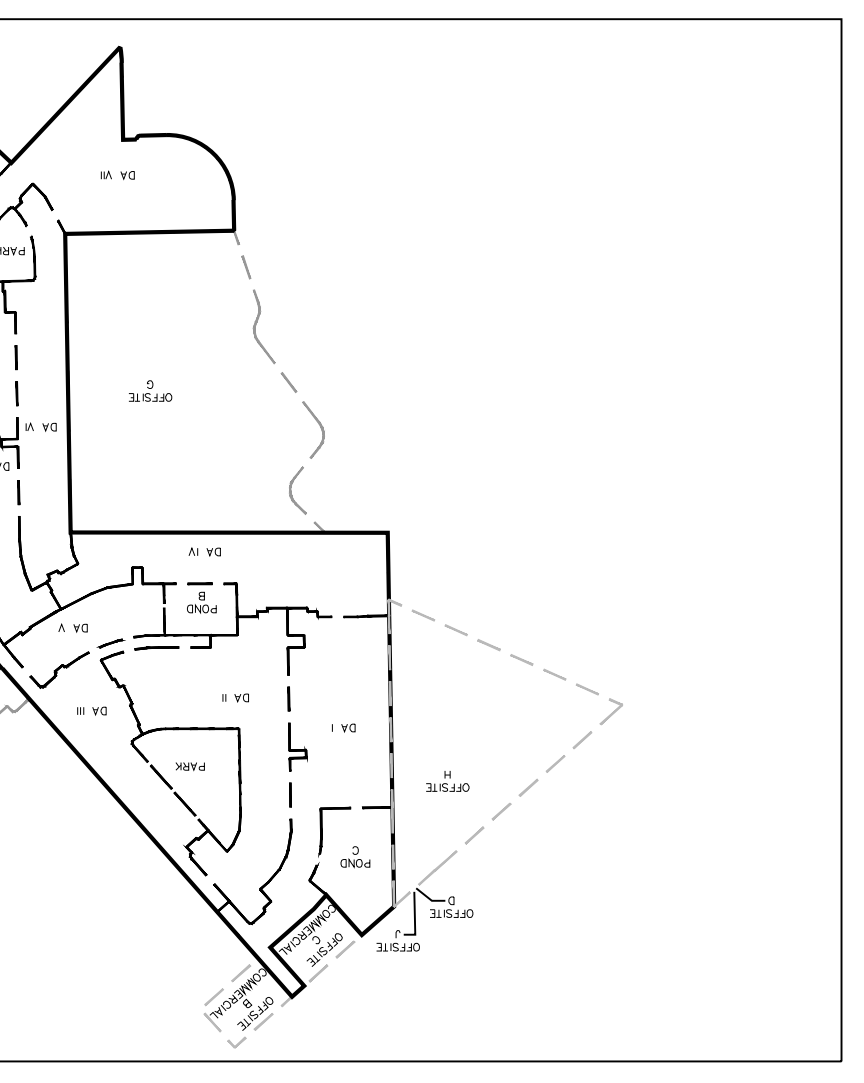
WATERSHED - POND C

| Item | Value |
|--------------------------------------|----------------|
| POND CALC. | 37.84 ac-ft |
| QT=ACR/12 | 344.00(4) 0.33 |
| R=RAINFALL IN INCHES | 0.33 |
| C=RUN OFF FACTOR | 0.33 |
| OFFSITE D | 37.84 ac-ft |
| NORTH OF (US 64 HIGHWAY) | 12 |
| EXISTING DEVELOPMENT (US 64 O/S "J") | 30.30(4) 0.65 |
| OFFSITE H | 8.58 ac-ft |
| SOUTH OF (US 64 HIGHWAY) | 12 |
| UNDEVELOPED | 18.00(4) 0.33 |
| SILT & DEBRIS | 48.41 ac-ft |
| Q _{sed} (TOTAL) | 63.11 |
| Q _{cap} (TOTAL) | 61.67 |
| 100 YEAR HW ELEVATION | 4000.70 |
| 100 YEAR PONDED DEPTH | 4001.92 |

NOTE:
HERON DESCRIBED TRACT LIES IN ZONE C, COMMUNITY PANEL NO. 480214 0010B. (PANEL NOT PRINTED; AREA IN ZONE C) DATED OCTOBER 15, 1982.

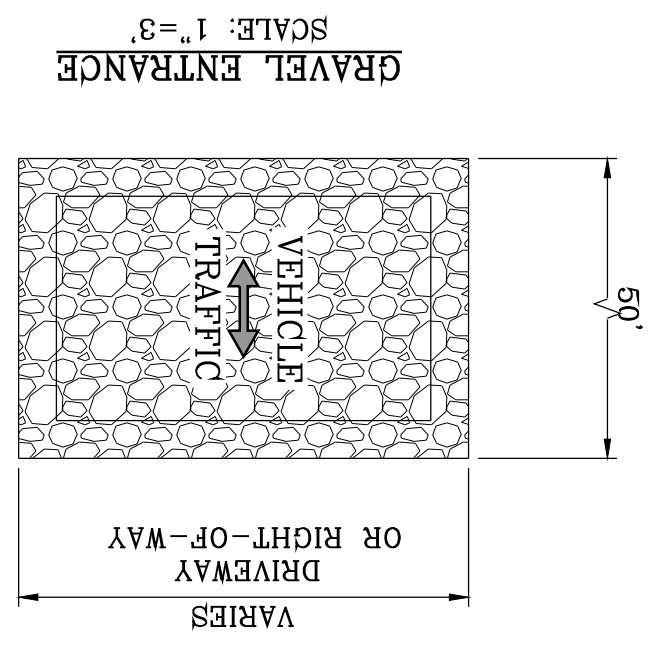
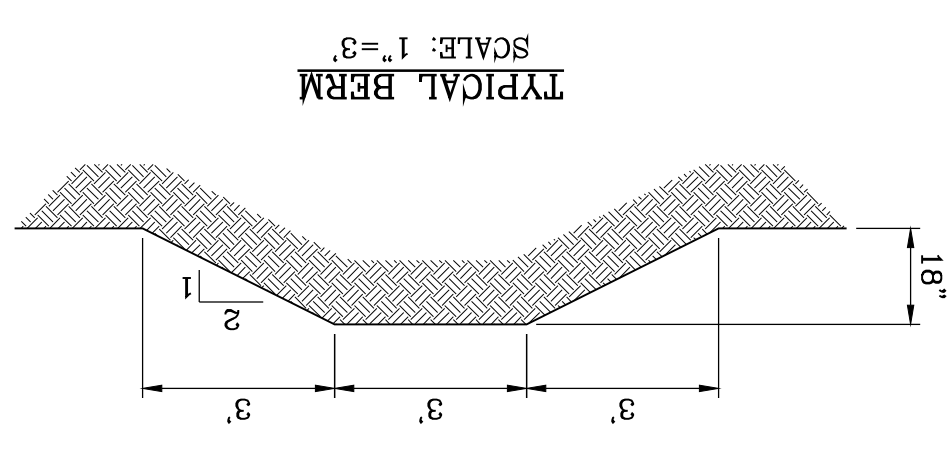
LEGEND

- q RUN-OFF QUANTITY (CUBIC FT./SEC)
- c DRAINAGE COEFFICIENT
- i INTENSITY (IN/HR)
- A WATERSHED AREA (ACRES)
- ▲ HIGH POINT
- ▼ LOW POINT
- DRAINAGE FLOW
- - - PROPOSED DRAINAGE AREA



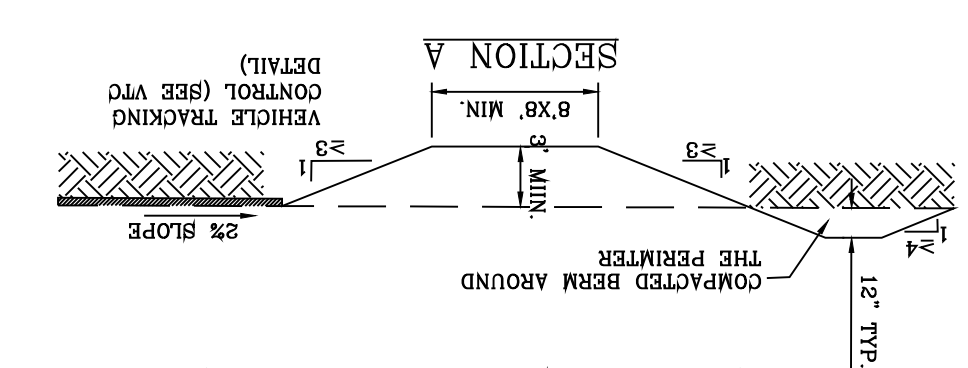
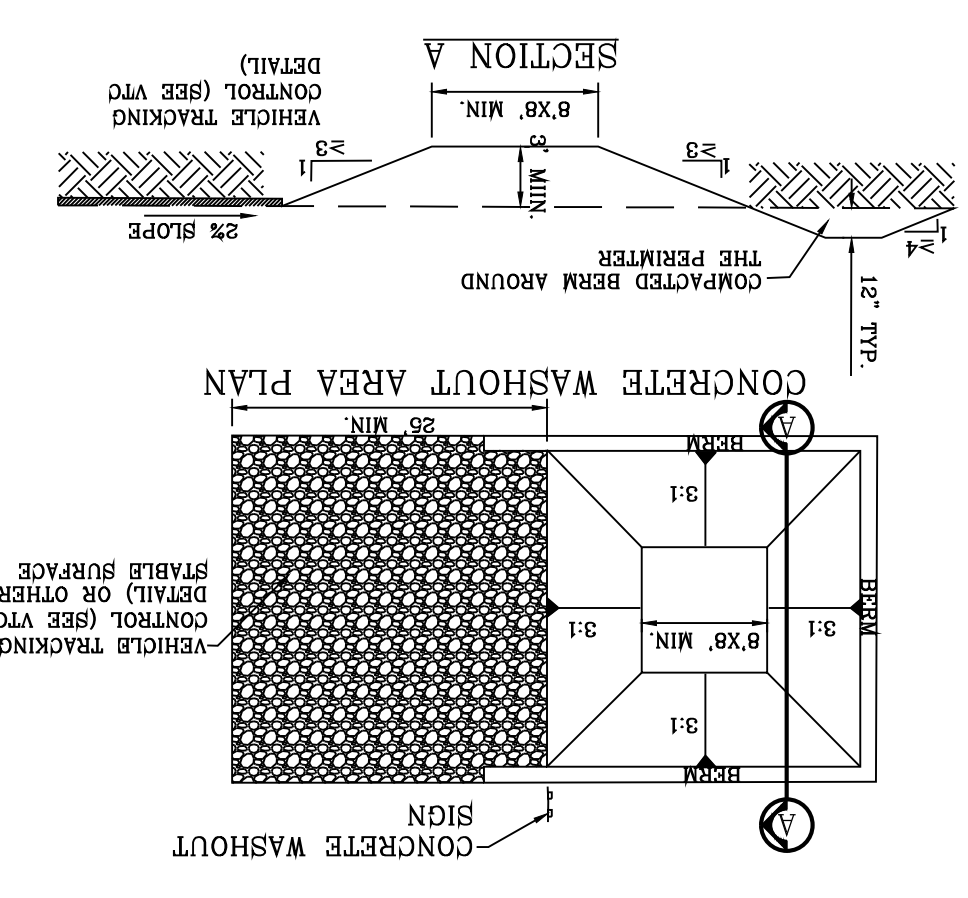
DATE: 03/11/2022
BY: Oscar Villalobos

DRAINAGE NOTES:
A. DRAINAGE AREA VI, VII, VIII, OFFSITE AREA F AND (F/A) (FUTURE RESIDENTIAL), OFFSITE A AND I (FUTURE COMMERCIAL), AND OFFSITE AREA G UNDEVELOPED, TO BE CONVEYED TO PUBLIC POND "A" VISTA DEL NORTE ESTATES UNIT 2.
B. DRAINAGE AREA I, II, III, IV, V, OFFSITE B & C (FUTURE COMMERCIAL), TO BE CONVEYED TO PUBLIC POND "B" VISTA DEL NORTE ESTATES UNIT TWO.
C. DRAINAGE AREA OFFSITE D,H & J TO BE CONVEYED TO PUBLIC POND "C" VISTA DEL NORTE ESTATES UNIT TWO.

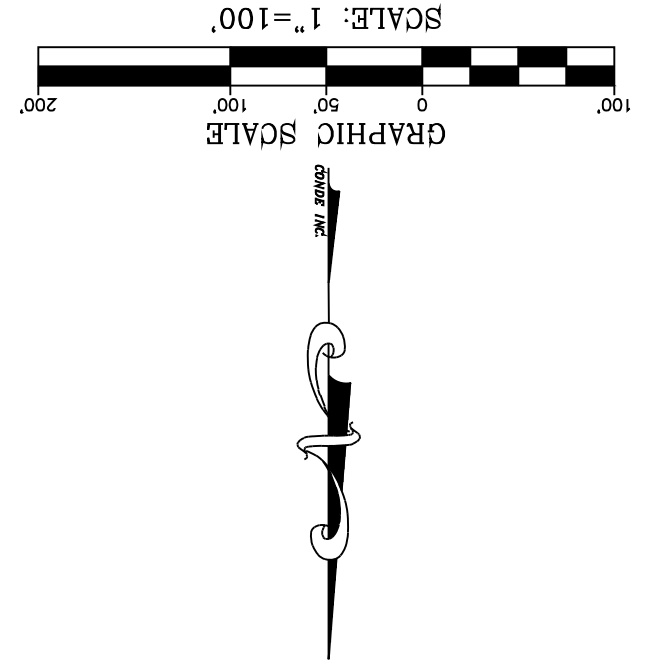
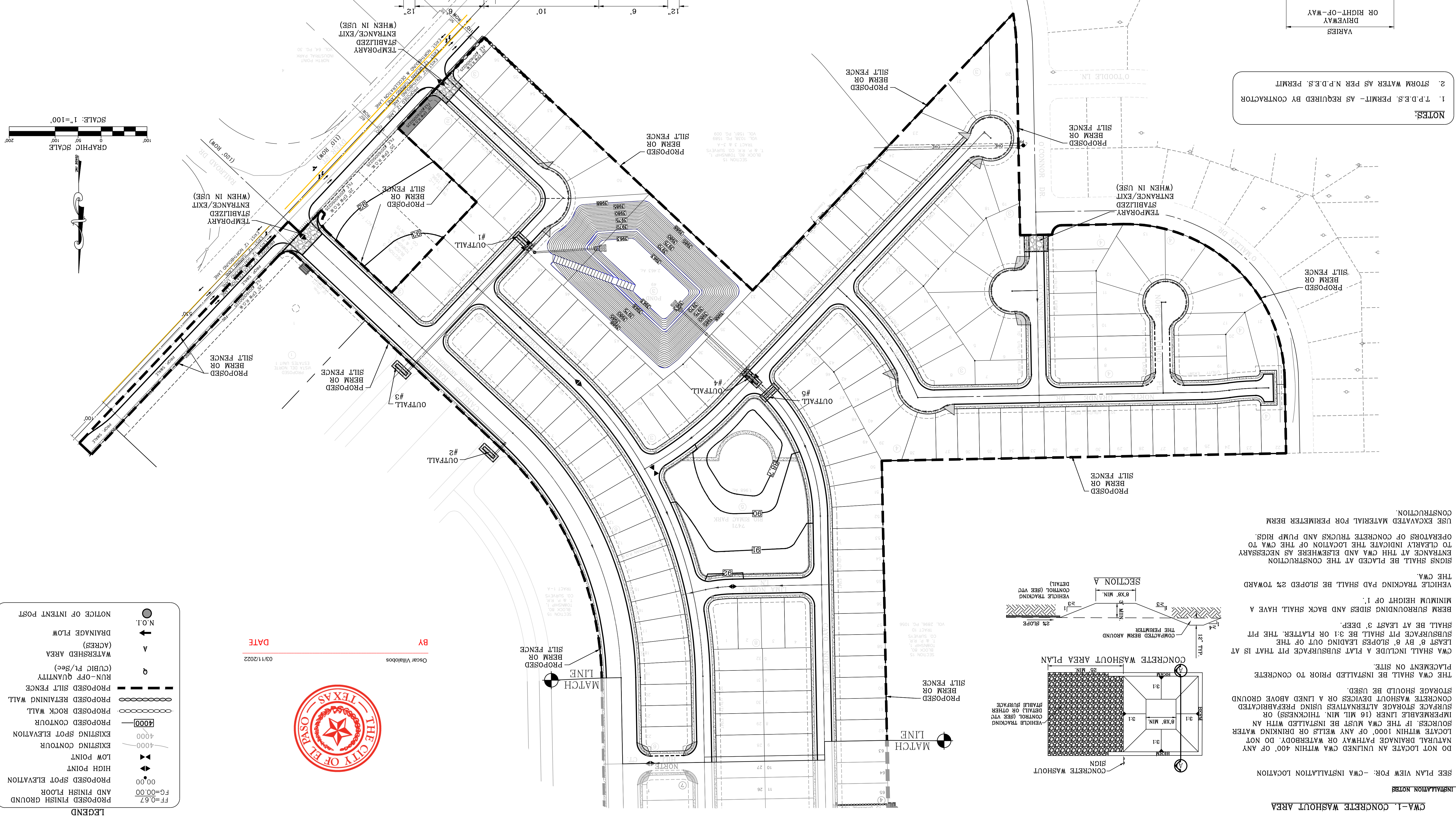
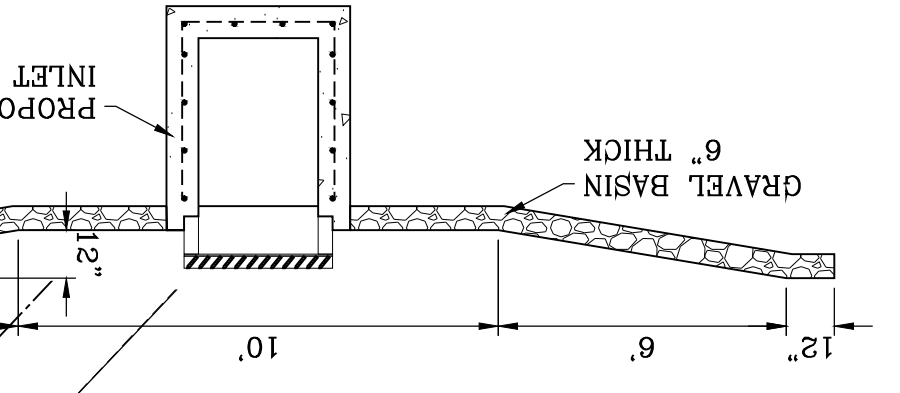
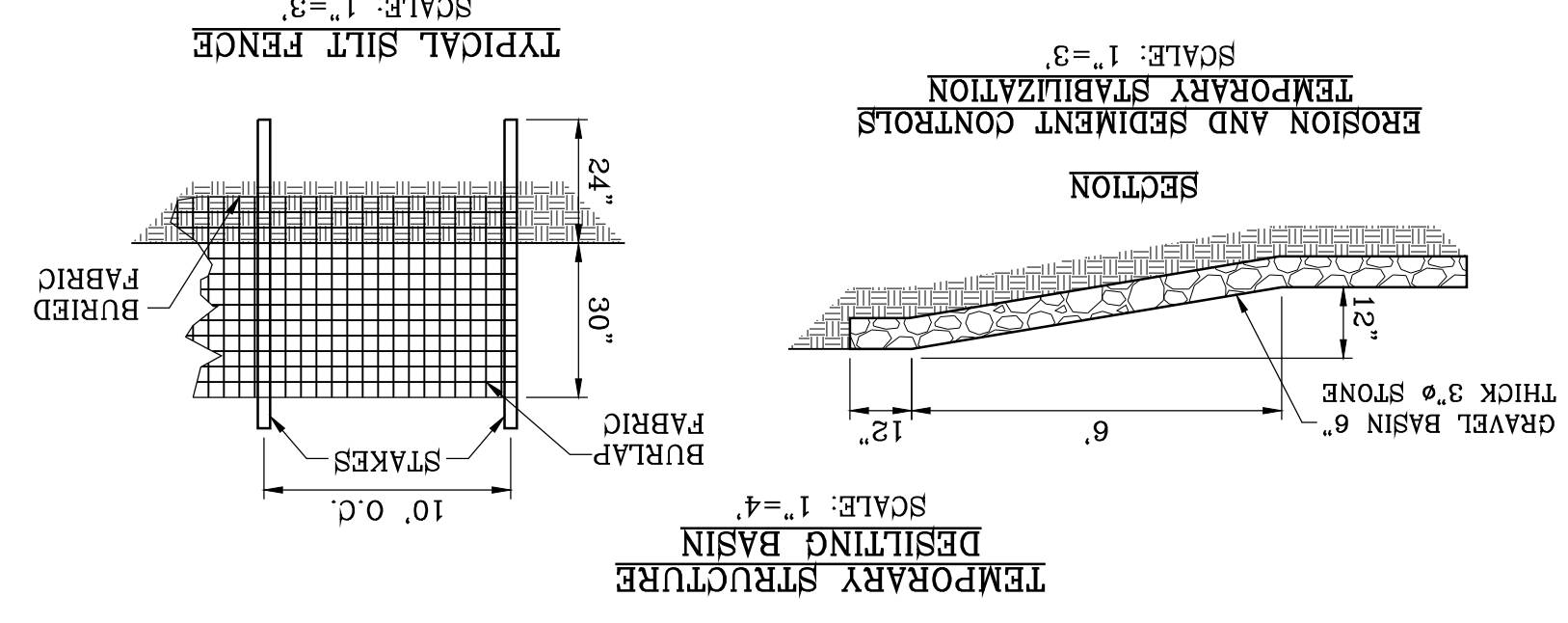


- NOTES:
1. T.P.D.E.S. PERMIT - AS REQUIRED BY CONTRACTOR
 2. STORM WATER AS PER N.P.D.E.S. PERMIT

- CWA-1. CONCRETE WASHOUT AREA
1. SEE PLAN VIEW FOR - CWA INSTALLATION LOCATION
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1000' OF ANY WELLS OR DRINKING WATER SOURCES. IF THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (6 MIL. MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PAVED/GRAVEL STORAGE SHOULD BE USED.
 3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 6" BY 6" SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
 5. BERM SURROUNDING SIDES AND BACK SHALL HAVE A MINIMUM HEIGHT OF 1'.
 6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARD THE CWA.
 7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE AT THE CWA AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
 8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.



- STABILIZED ENTRANCE EROSION CONTROL NOTES
1. SILT FENCING OR TEMPORARY BERMS SHALL BE INSTALLED AT TIME OF CONSTRUCTION.
 2. TEMPORARY SMALLER AND DESLTING BASINS WILL BE PLACED WHERE NECESSARY IN ORDER TO CONVEY STORM WATER RUN-OFF.
 3. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP WEEKLY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE.
 4. THE OWNER SHALL BE RESPONSIBLE FOR INSURING THAT ALL EROSION CONTROL METHODS ARE INSPECTED ON A MONTHLY BASIS OR AFTER EVERY ERODIBLE RAINFALL (1/2" OR MORE). ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL SHALL BE MADE AT THE TIME.
 5. A TEMPORARY BERM SHALL BE PROVIDED AT THE TOE OF SLOPE AND LOT LINE AT TIME OF GRADING PRIOR TO ROCKWALL CONSTRUCTION.
 6. SILT FENCE TO BE INSTALLED AND MAINTAINED ALONG THE PERMETER OF THE PARK SITE UNTIL ALL ABUTTING RESIDENCES ARE DEVELOPED.



SHT 11 OF 83

PLAN
POLLUTION PREVENTION
WATER AND STORM
GRAVING STABILIZATION

CONDE INC.
REGISTRATION NO. F-2221

ENGINEERING / PLANNING
SURVEYING / GPS
6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



ENGINEER'S SEAL

SCALE
HORIZ: 1" = 100'
VERT: VERT.

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

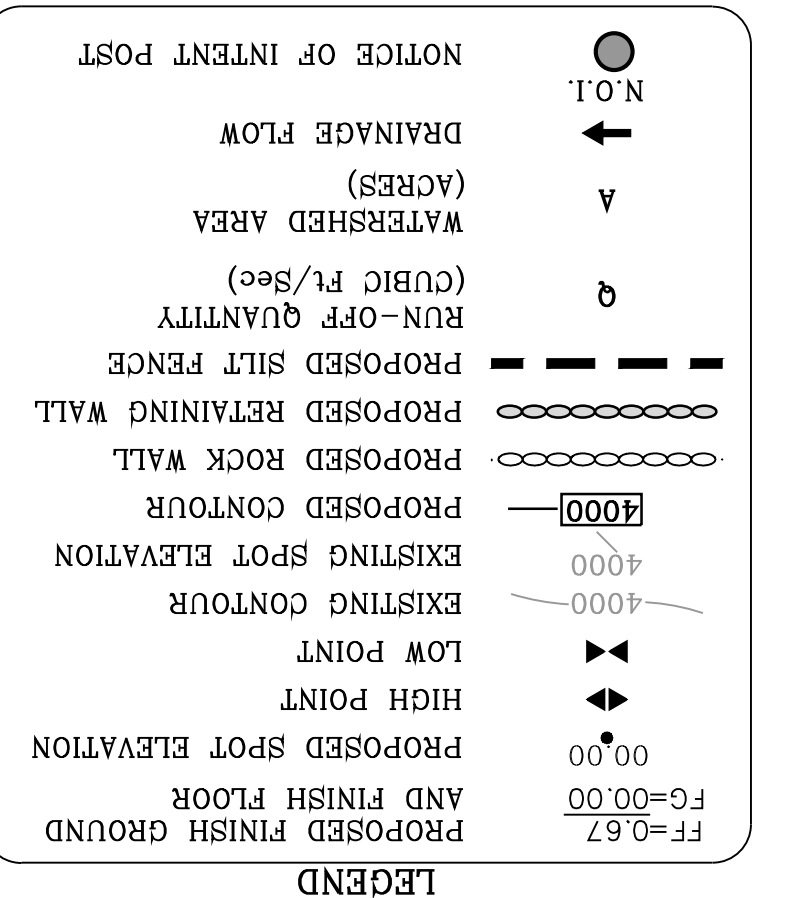
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, CONTAINING: 128.8622± ACRES

BENCHMARK

1.75" BEARER PANEL POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE 146577.18 W. 18782.82 FEET FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ELEVATION=4004.41 AND 10FEET TO ORIGIN NAVD 83 DATUM AS REFERENCED TO NAD 83 ELEVATION=4013.12 PER BENCHMARK DATA SHOWN ON THE 419890.75 REVISIONS

DATE 09/18/19 BY F.R.
09/28/21 CITY REDLINES AS PER 05/06/19 COMMENTS AND FINISH FLOOR AND FINISH GROUND

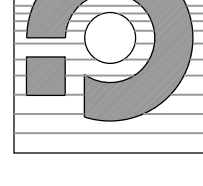


BY Oscar Villalobos
DATE 03/11/2022

GRADING AND STABILIZATION AND POLLUTION PREVENTION PLAN

SHEET TITLE

CONDE INC.
REGISTRATION NO. F-2221



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6050 SUFERTY DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



ENGINEER'S SEAL
SCALE
HORIZ: 1" = 100'
VERT:
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING 128.822± ACRES

DATE: 09/18/19
BY: F.R.
CITY REDLINES AS PER 05/06/19 COMMENTS
REVISIONS

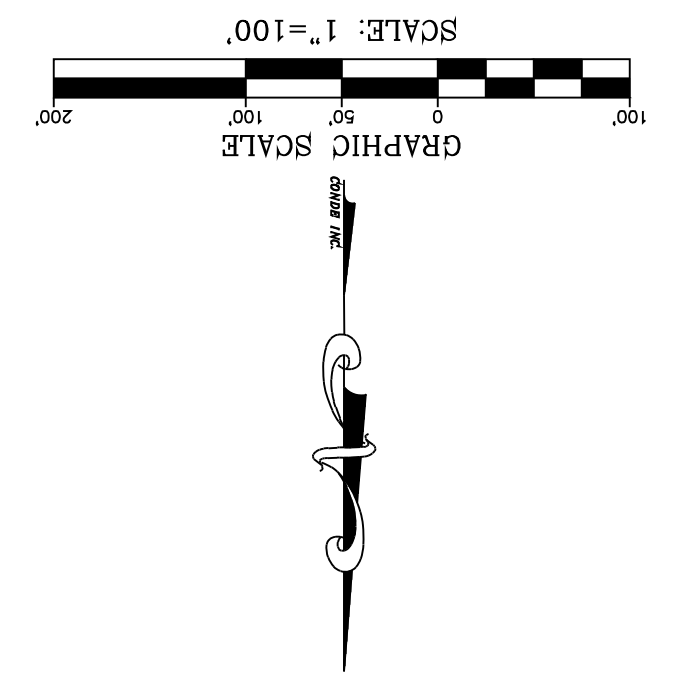
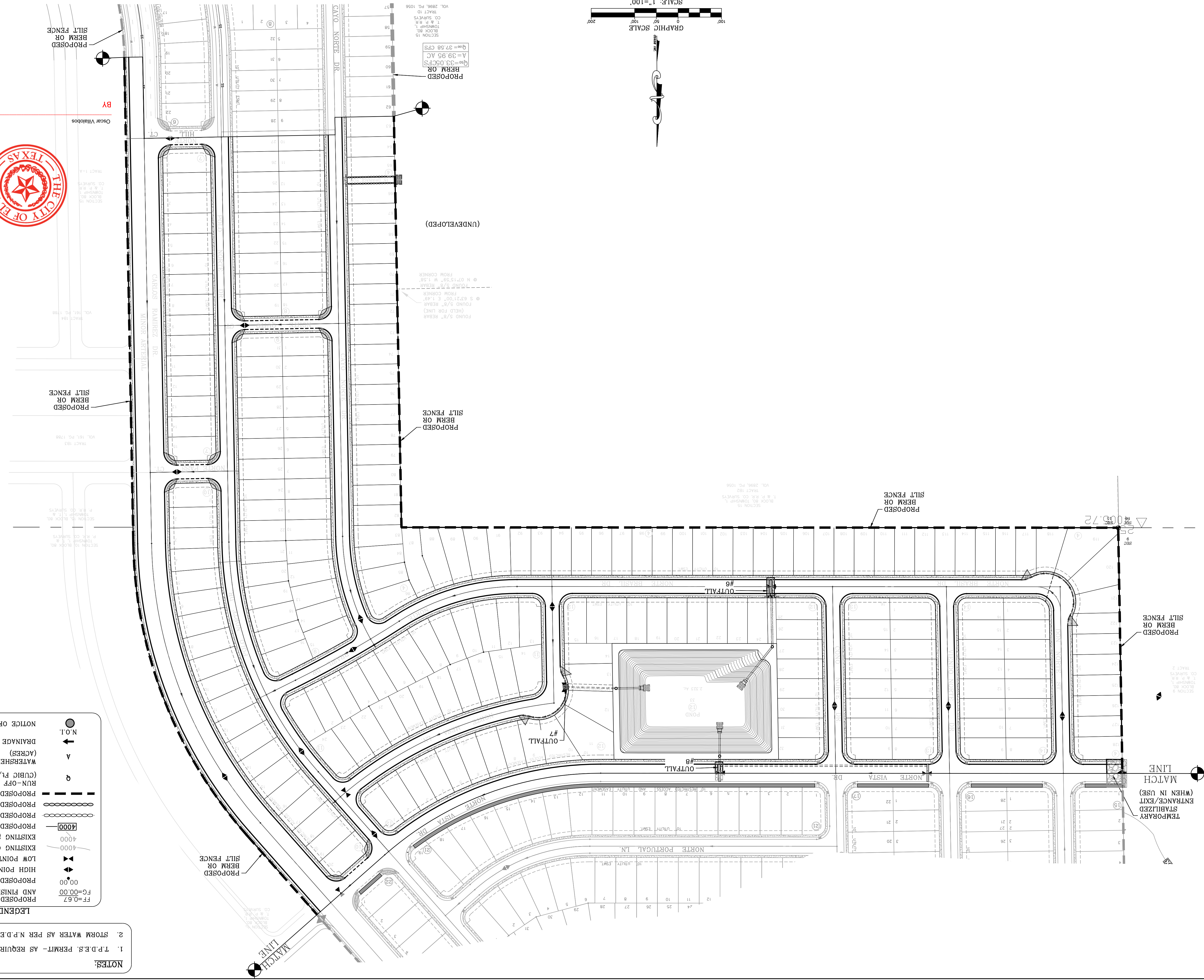
NOTES:
1. T.P.D.S. PERMIT- AS REQUIRED BY CONTRACTOR
2. STORM WATER AS PER N.P.D.S. PERMIT

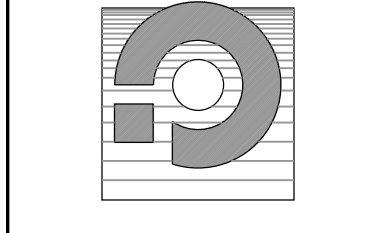
LEGEND

| | | |
|-------|---|-----------------------|
| ● | N.O.I. | NOTICE OF INTENT POST |
| → | DRAINAGE FLOW | |
| ▲ | WATERSHED AREA (ACRES) | |
| Q | RUN-OFF QUANTITY (CUBIC FT./Sec) | |
| --- | PROPOSED SILT FENCE | |
| ---- | PROPOSED RETAINING WALL | |
| ----- | PROPOSED ROCK WALL | |
| ----- | PROPOSED SPOT ELEVATION | |
| ----- | EXISTING CONTOUR | |
| ----- | EXISTING SPOT ELEVATION | |
| ▲ | LOW POINT | |
| ▼ | HIGH POINT | |
| ▲ | PROPOSED SPOT ELEVATION | |
| ▼ | PROPOSED FINISH GROUND AND FINISH FLOOR | |
| ○ | FC=00.00 | |
| ○ | 00.00 | |

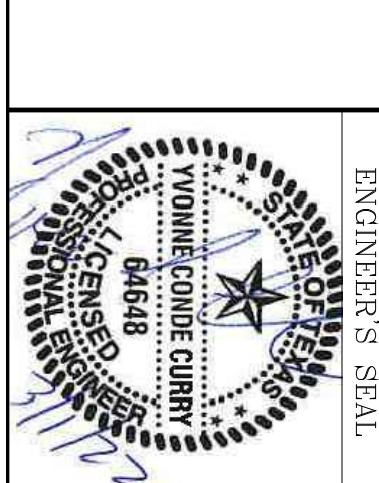


DATE: 09/11/2022
BY: Oscar Villalobos





CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SUFETY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

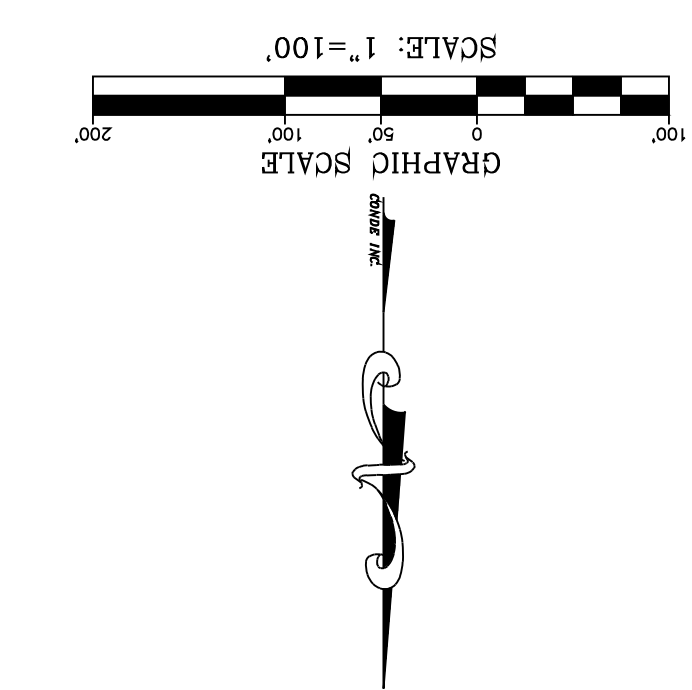
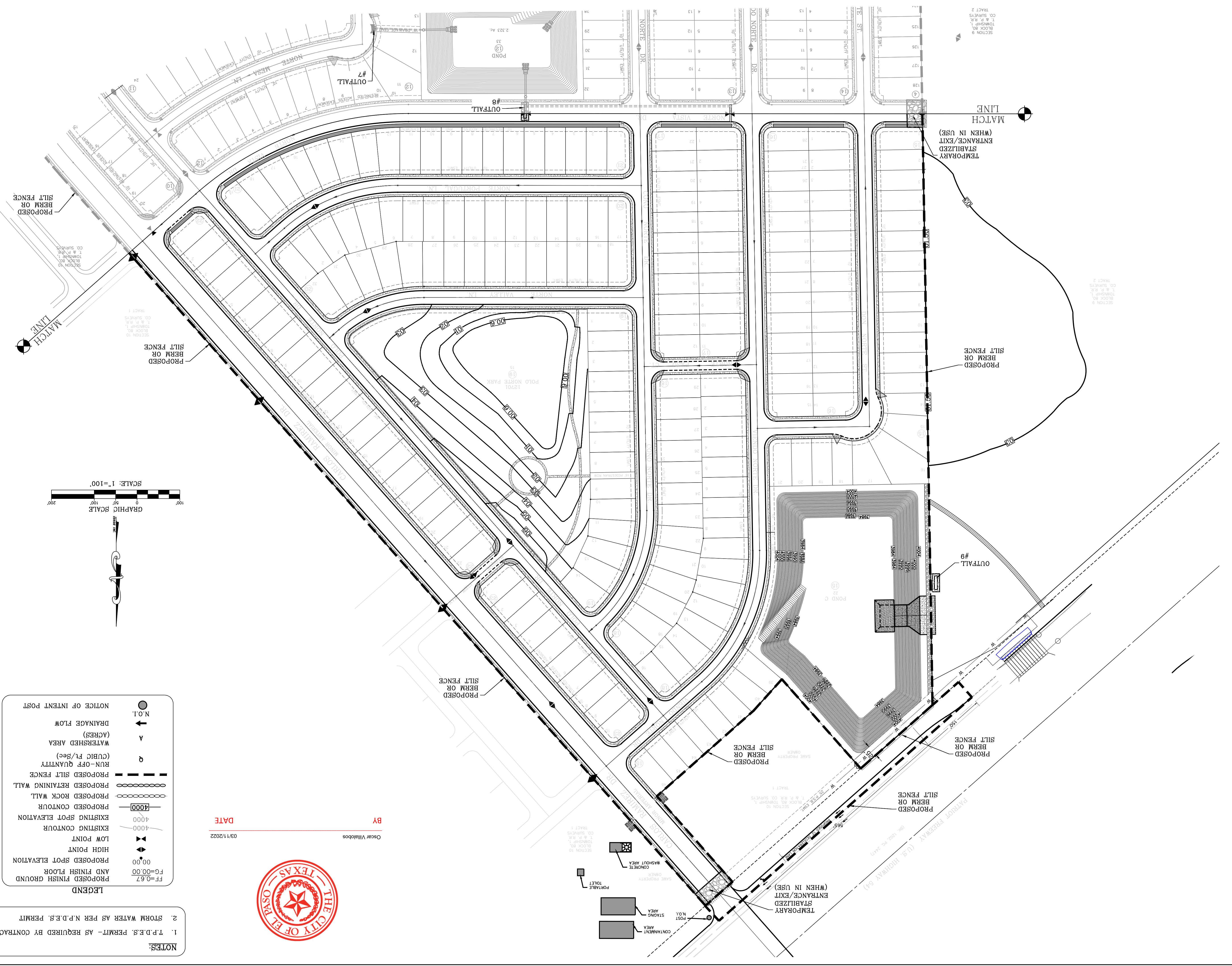


ENGINEER'S SEAL
 S C A L E
 HORIZ: 1" = 100'
 VERT: _____
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 128,8622# AGRS

| DATE | REVISIONS |
|----------|--|
| 09/18/19 | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 02/08/21 | REVISED POND TO DEPICT 25' P.S.B. ESMT. |
| 03/02/21 | ADD WHOLELIGHT IRON GATE FOR P.S.B. ACCESS |

VISTA DEL NORTE ESTATES UNIT TWO



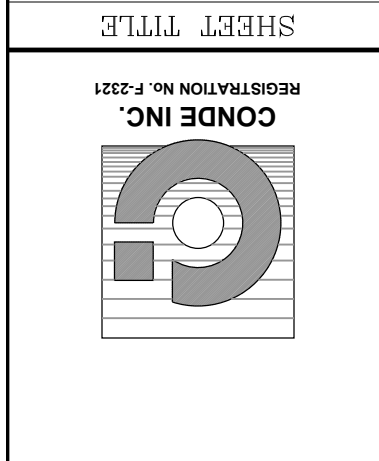
LEGEND

| | |
|----------|-------------------------|
| FF=0.67 | PROPOSED FINISH GROUND |
| FG=00.00 | AND FINISH FLOOR |
| 00.00 | PROPOSED SPOT ELEVATION |
| 4000 | HIGH POINT |
| 4000 | LOW POINT |
| 4000 | EXISTING CONTOUR |
| 4000 | EXISTING SPOT ELEVATION |
| 4000 | PROPOSED CONTOUR |
| 4000 | PROPOSED ROCK WALL |
| 4000 | PROPOSED RETAINING WALL |
| 4000 | PROPOSED SILT FENCE |
| 4000 | RUN-OFF QUANTITY |
| 4000 | WATERSHED AREA |
| 4000 | (ACRES) |
| 4000 | DRAINAGE FLOW |
| 4000 | N.O.I. |
| 4000 | NOTICE OF INTENT POST |

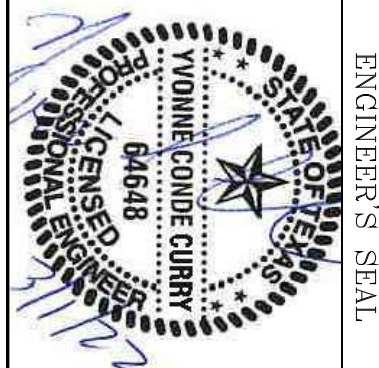
BY Oscar Villalobos
 DATE 03/11/2022



- NOTES:
1. T.P.D.S. PERMIT - AS REQUIRED BY CONTRACTOR
 2. STORM WATER AS PER N.P.D.S. PERMIT



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

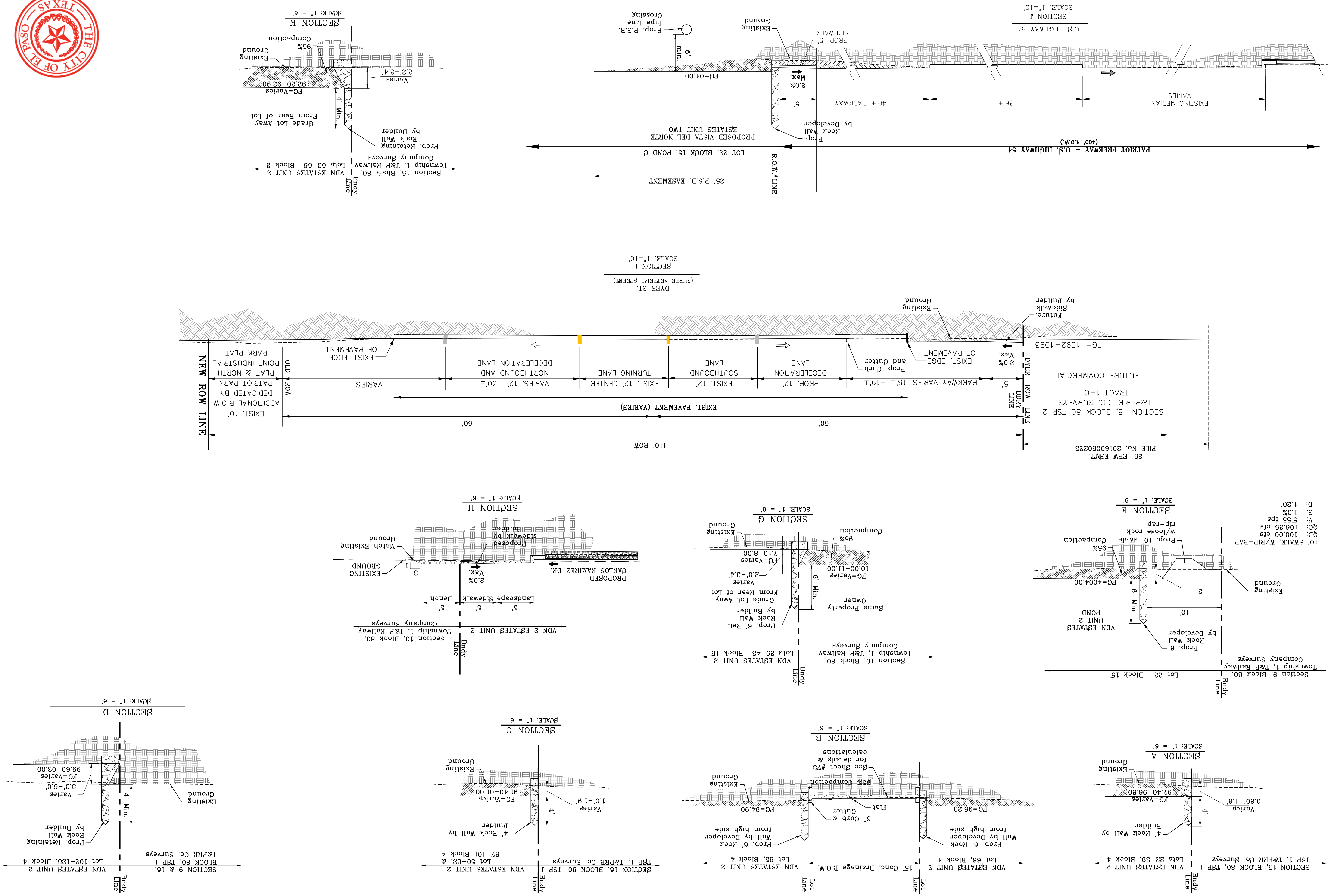


ENGINEER'S SEAL
S C A L E
HORIZ: _____
VERT: _____
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,86225 ACRES

| DATE | REVISIONS | BY |
|----------|--|------|
| 09/27/21 | TX DOT REDLINES AS 09-24-21 | F.R. |
| 09/18/19 | CITY REDLINES AS PER 05/06/19 COMMENTS | F.R. |
| 11/16/20 | CITY REDLINES AS PER 11/06/20 COMMENTS | F.R. |
| 02/05/21 | REVISED POND C TO DEPICIT 25' P.S.B. ESWT. | F.R. |

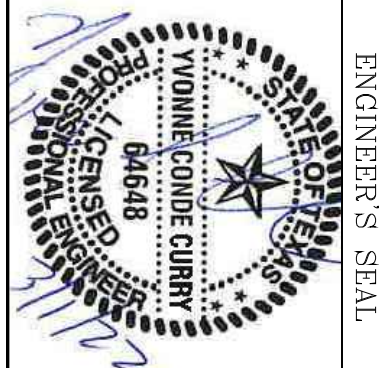
BY Oscar Villalobos
DATE 03/11/2022



D: 1.20'
S: 1.0%
V: 6.55 fps
QC: 106.35 cfs
QD: 100.00 cfs



CONDE INC.
ENGINEERING / PLANNING
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6080 SURETY DR. STE 100
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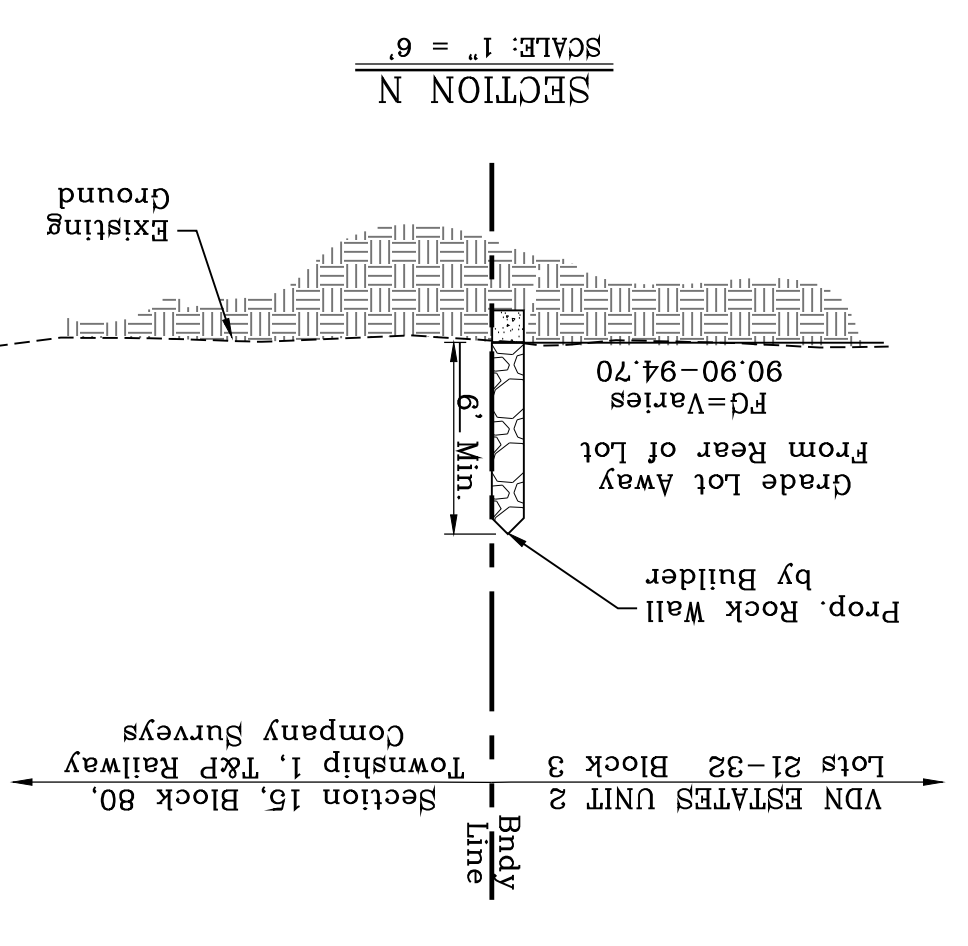
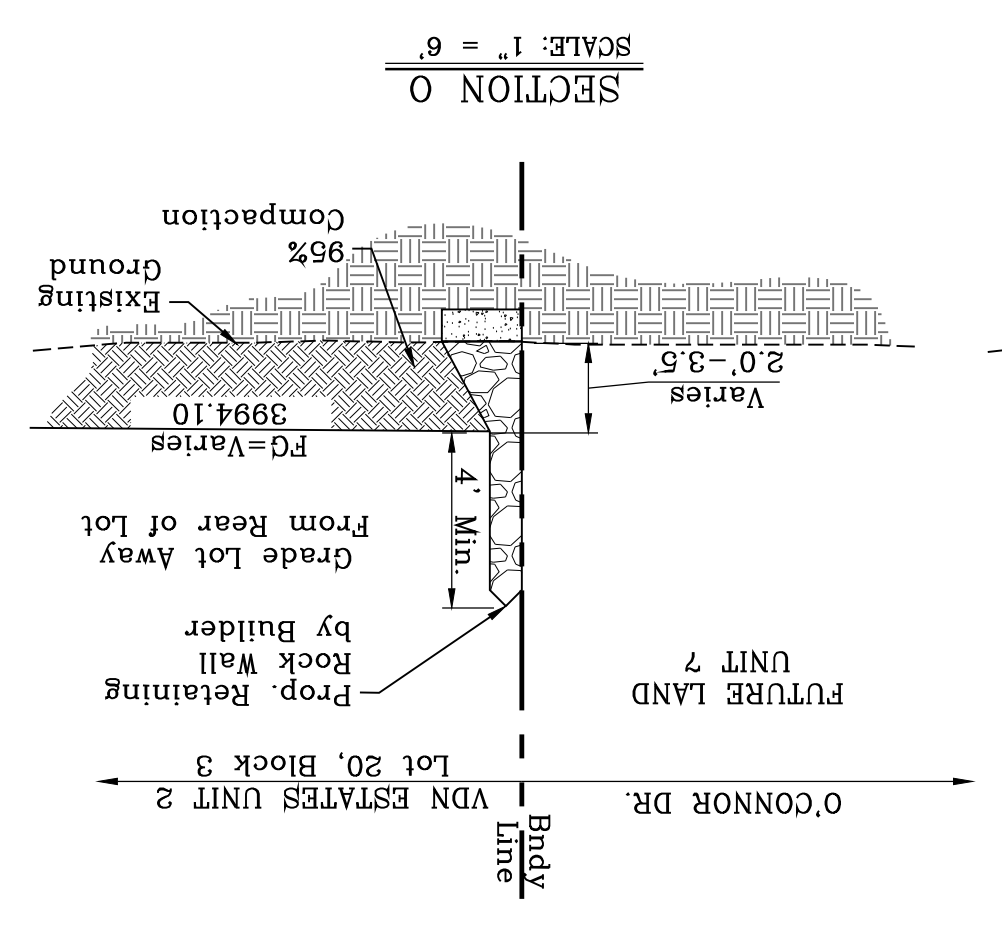
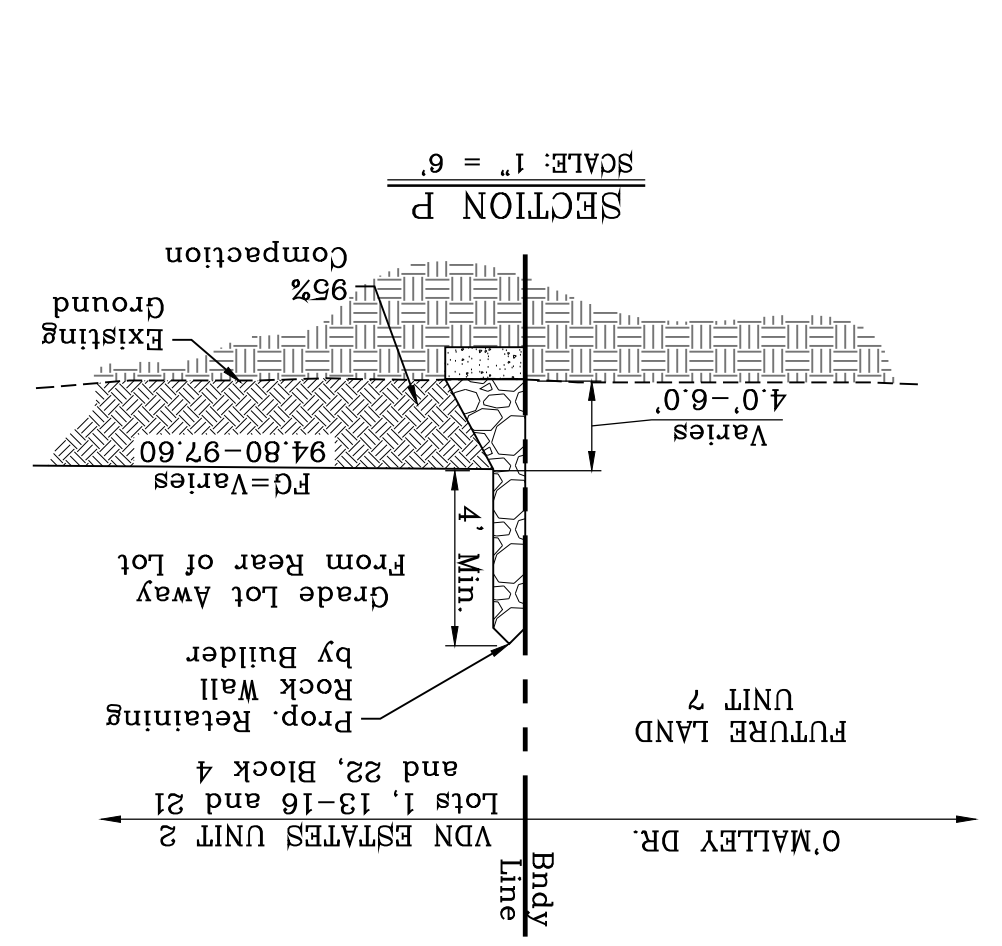
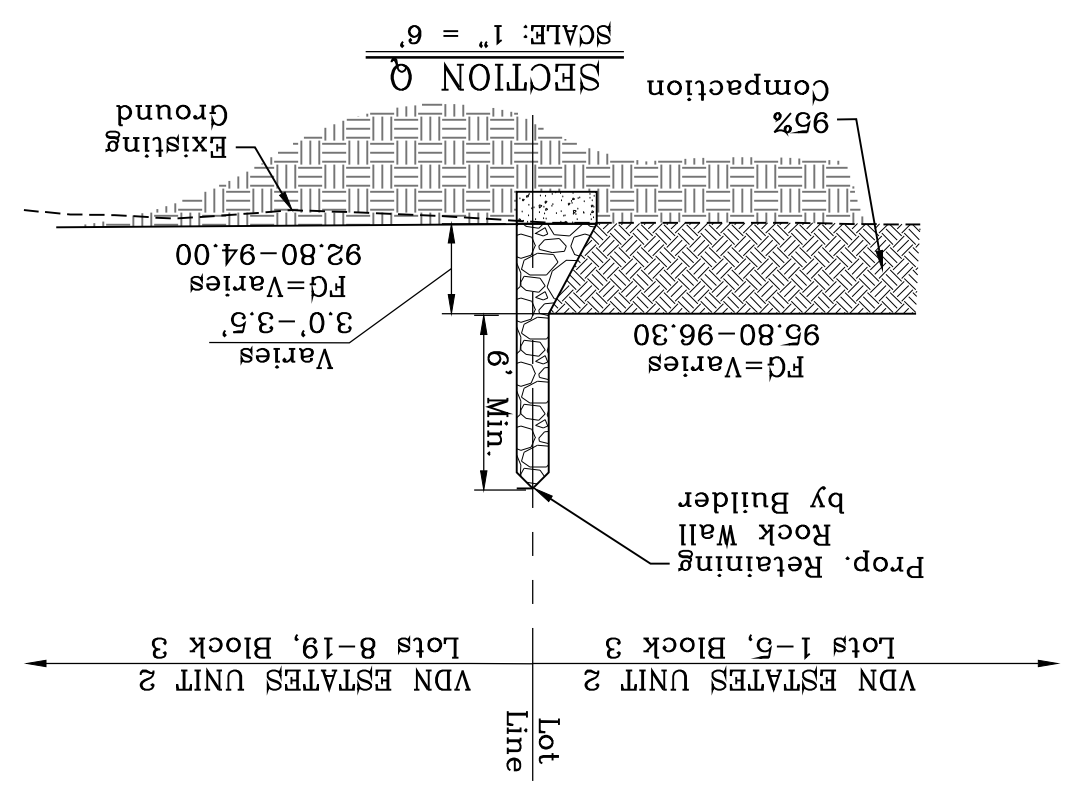
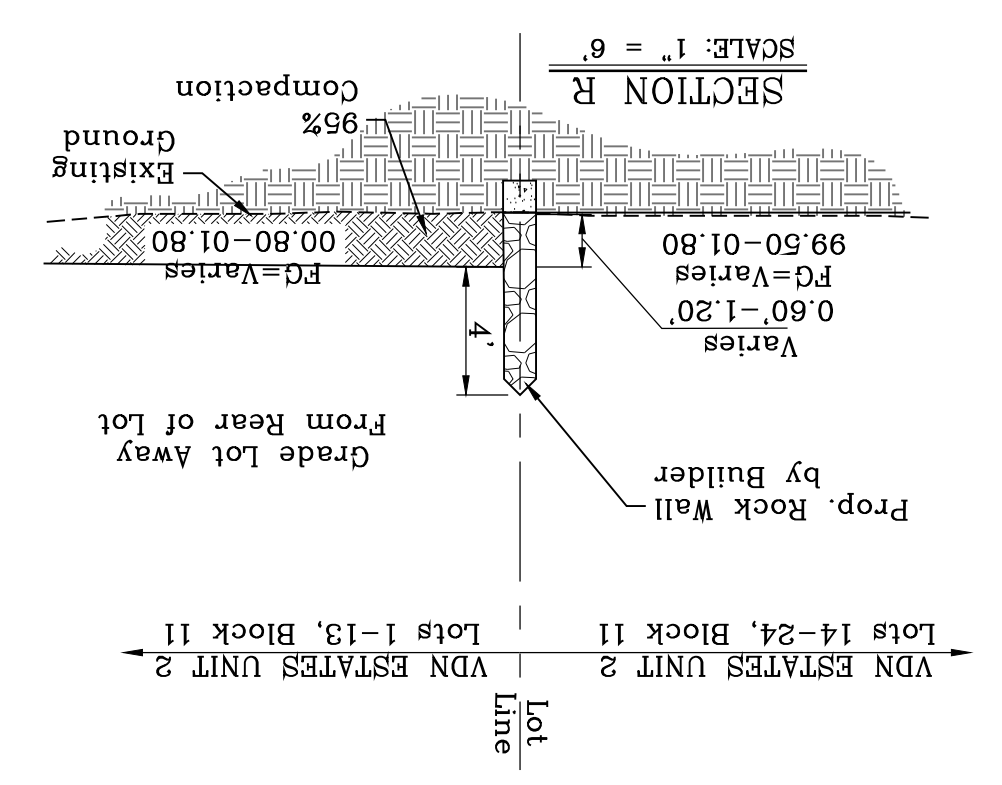
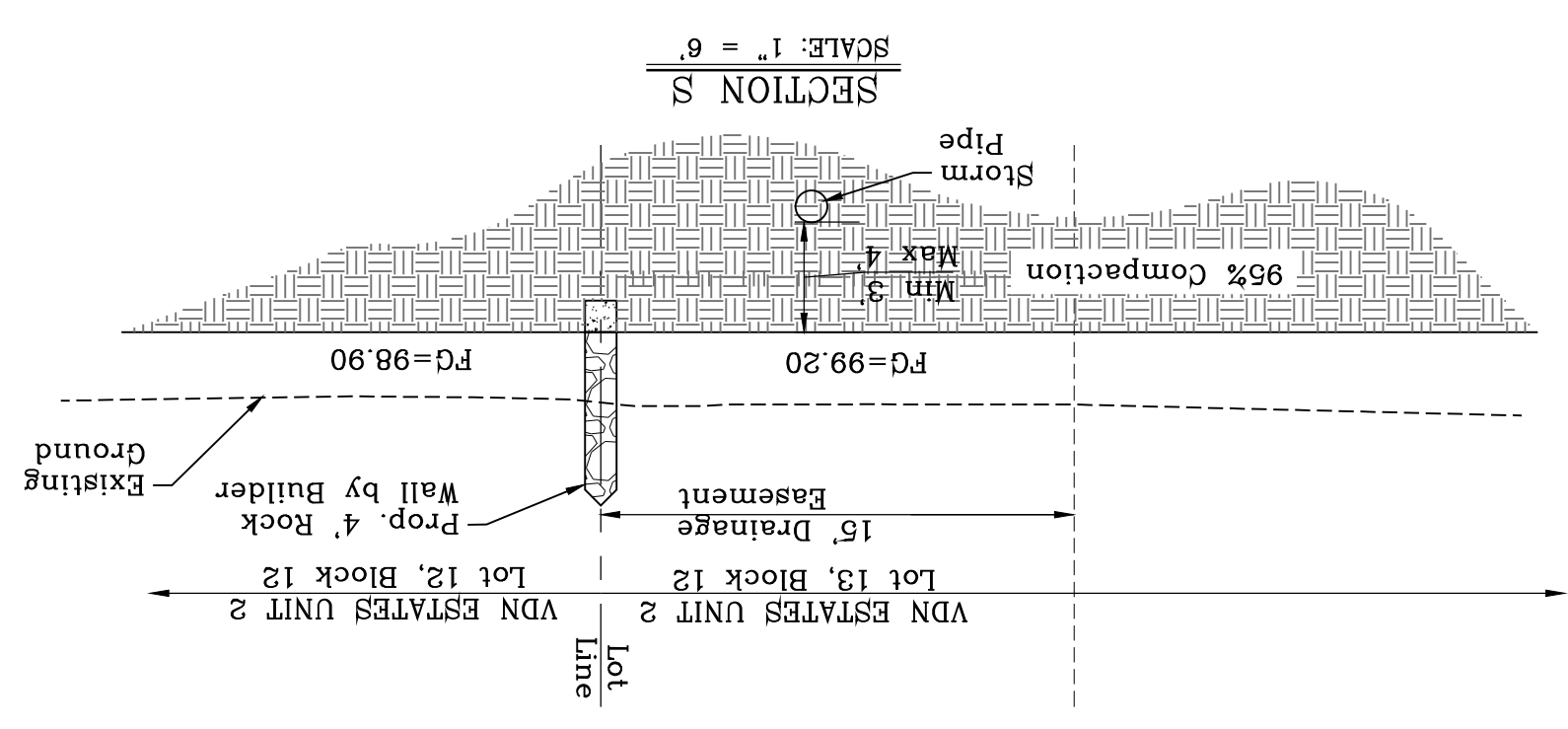
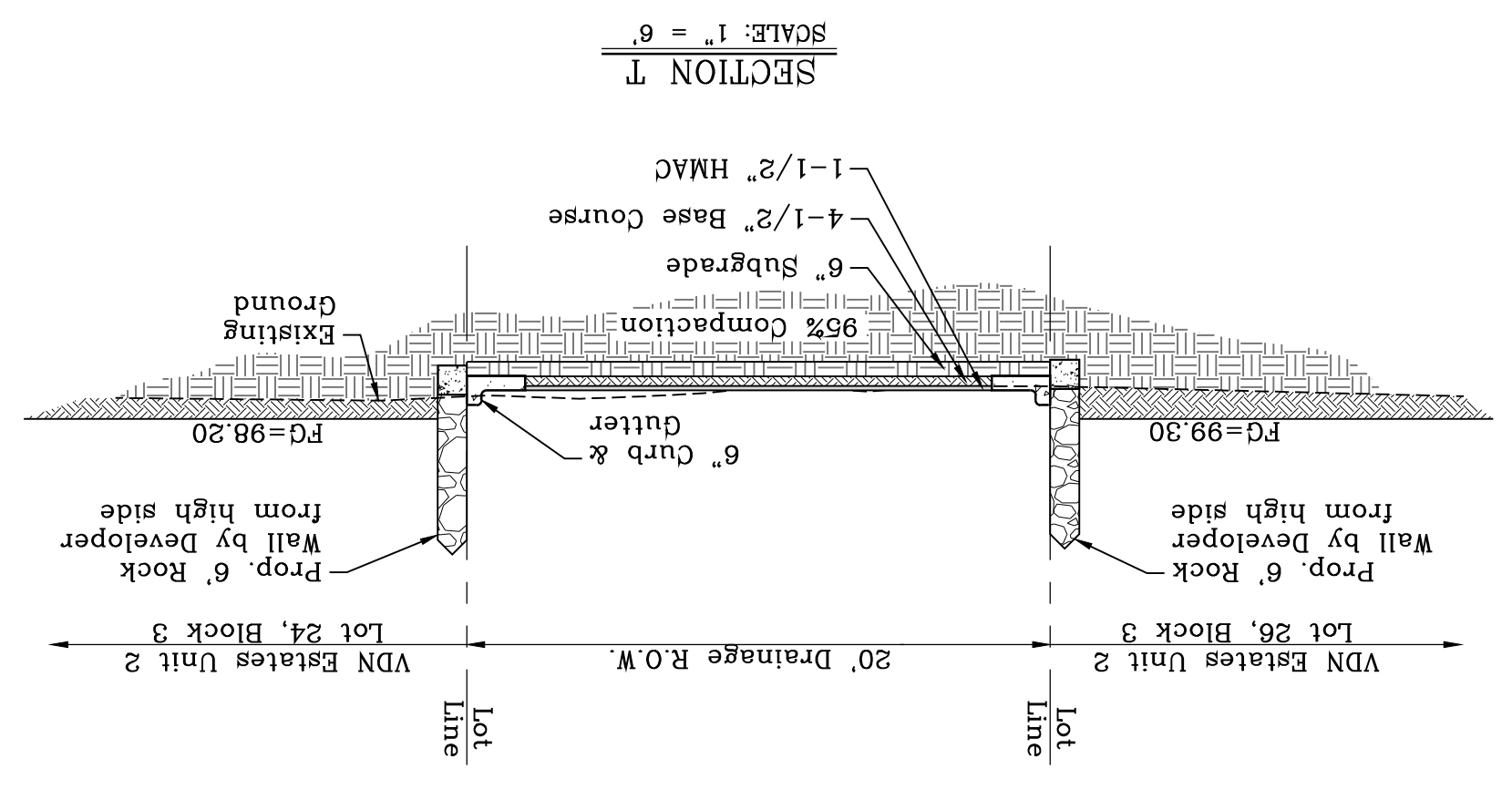
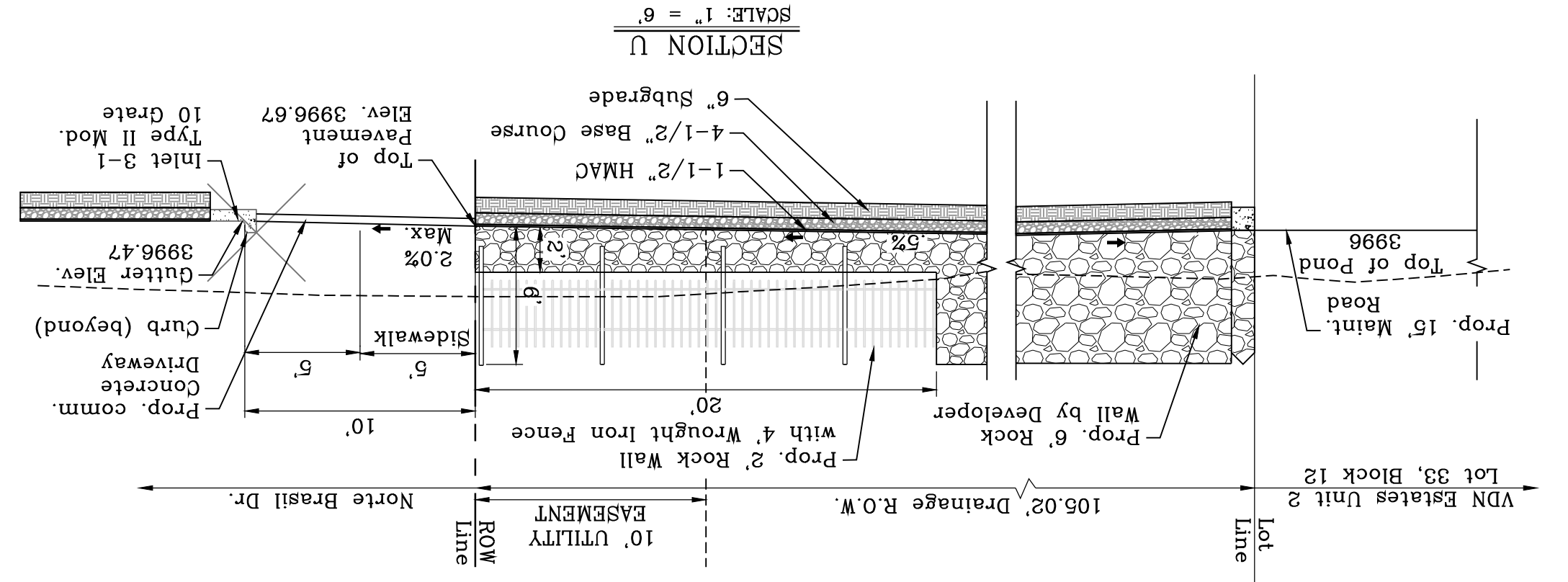
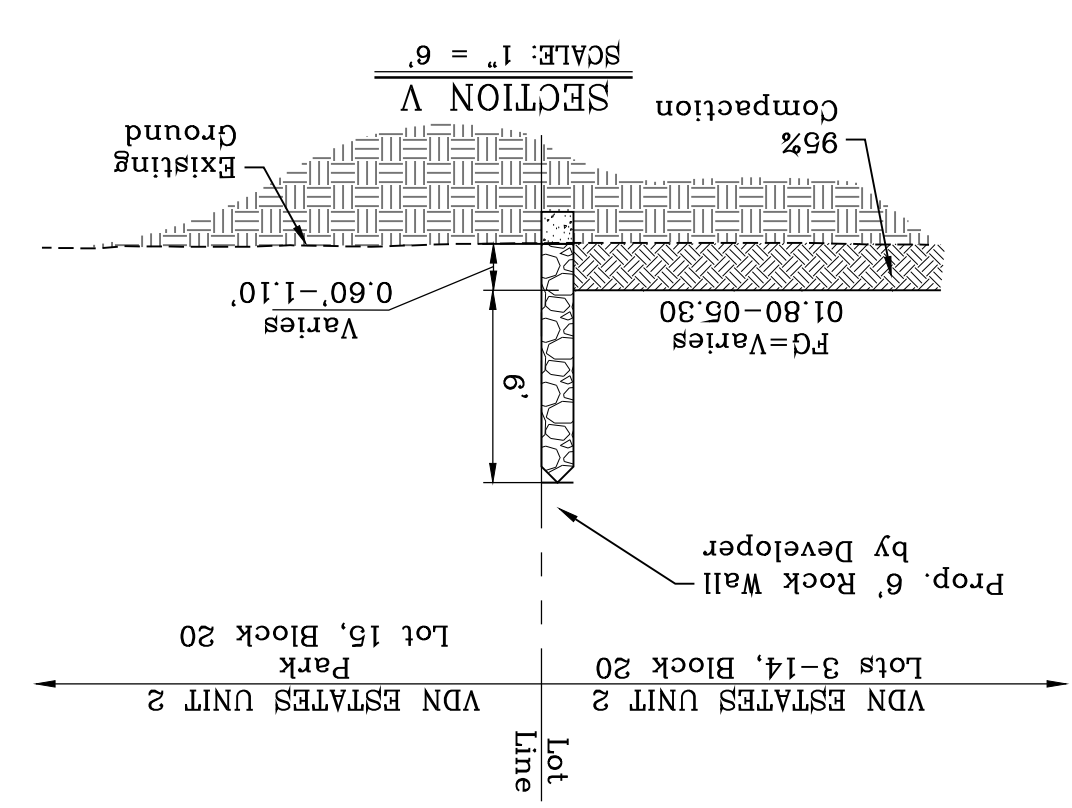
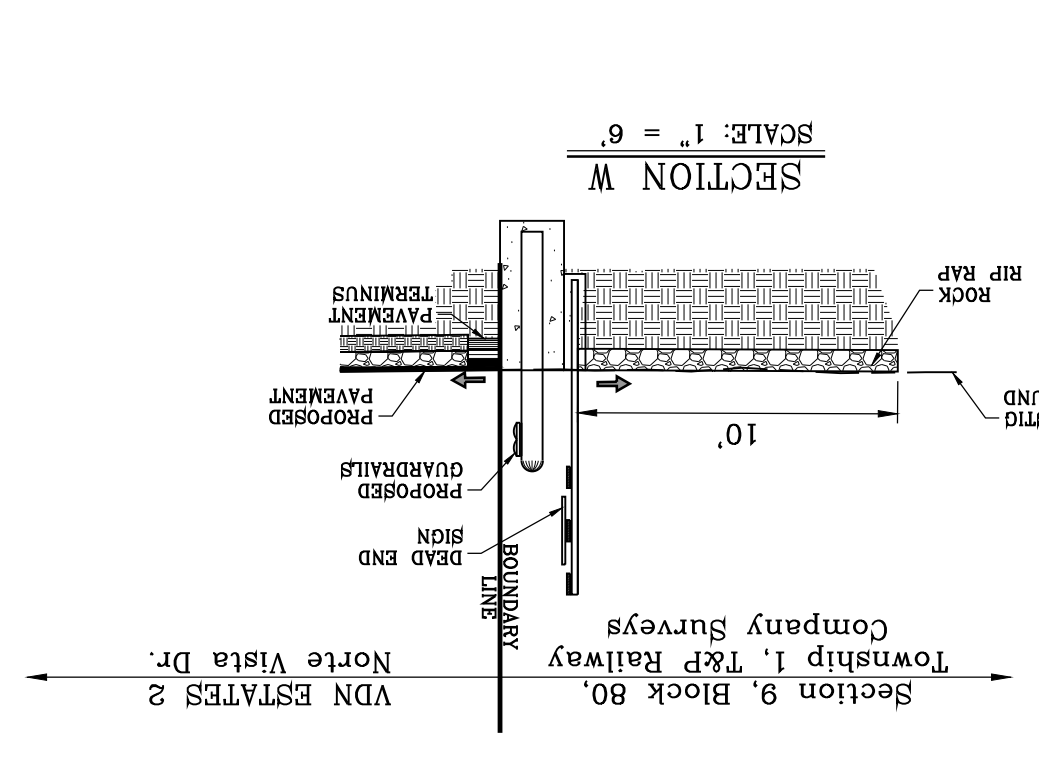
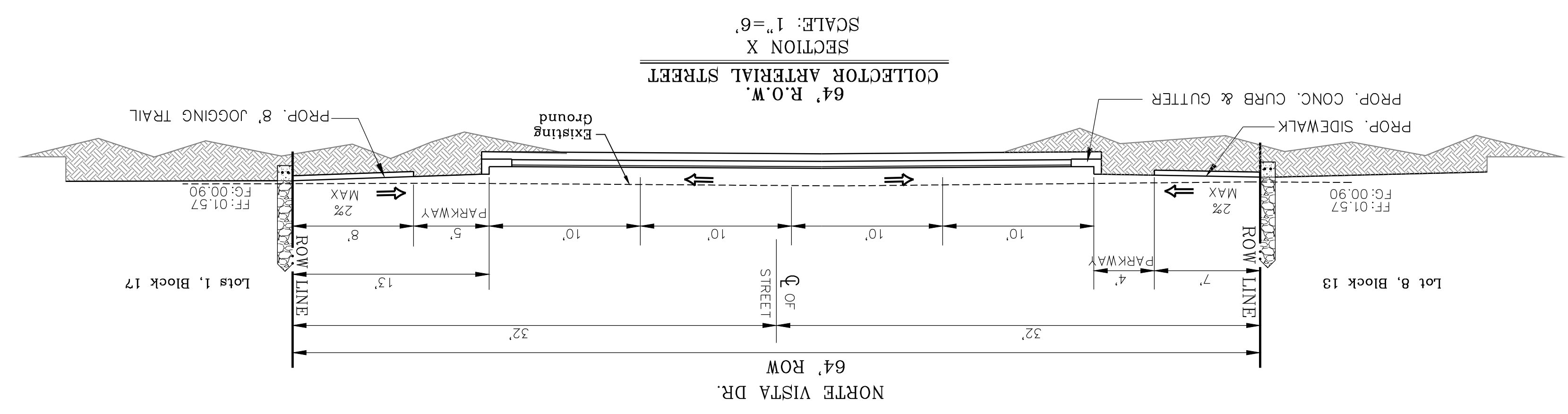


ENGINEER'S SEAL
S C A L E
HORIZ: VERT:
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

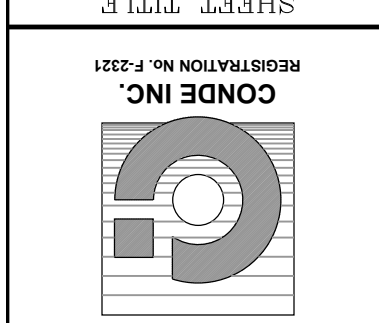
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS, CONTAINING 128,822± ACRES

| DATE | REVISIONS | BY |
|----------|--|------|
| 09/18/19 | CITY REDLINES AS PER 05/06/19 COMMENTS | F.R. |
| 11/16/20 | CITY REDLINES AS PER 11/06/20 COMMENTS | F.R. |
| 02/10/21 | CITY REDLINES AS PER 02/09/21 COMMENTS | F.R. |

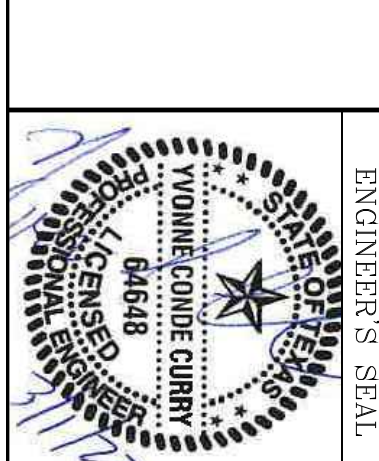
DATE: 03/11/2022
BY: Oscar Villalobos



BENCHMARK REQUIRED BY OTHERS LOCATED
N46°57'18\"/>



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



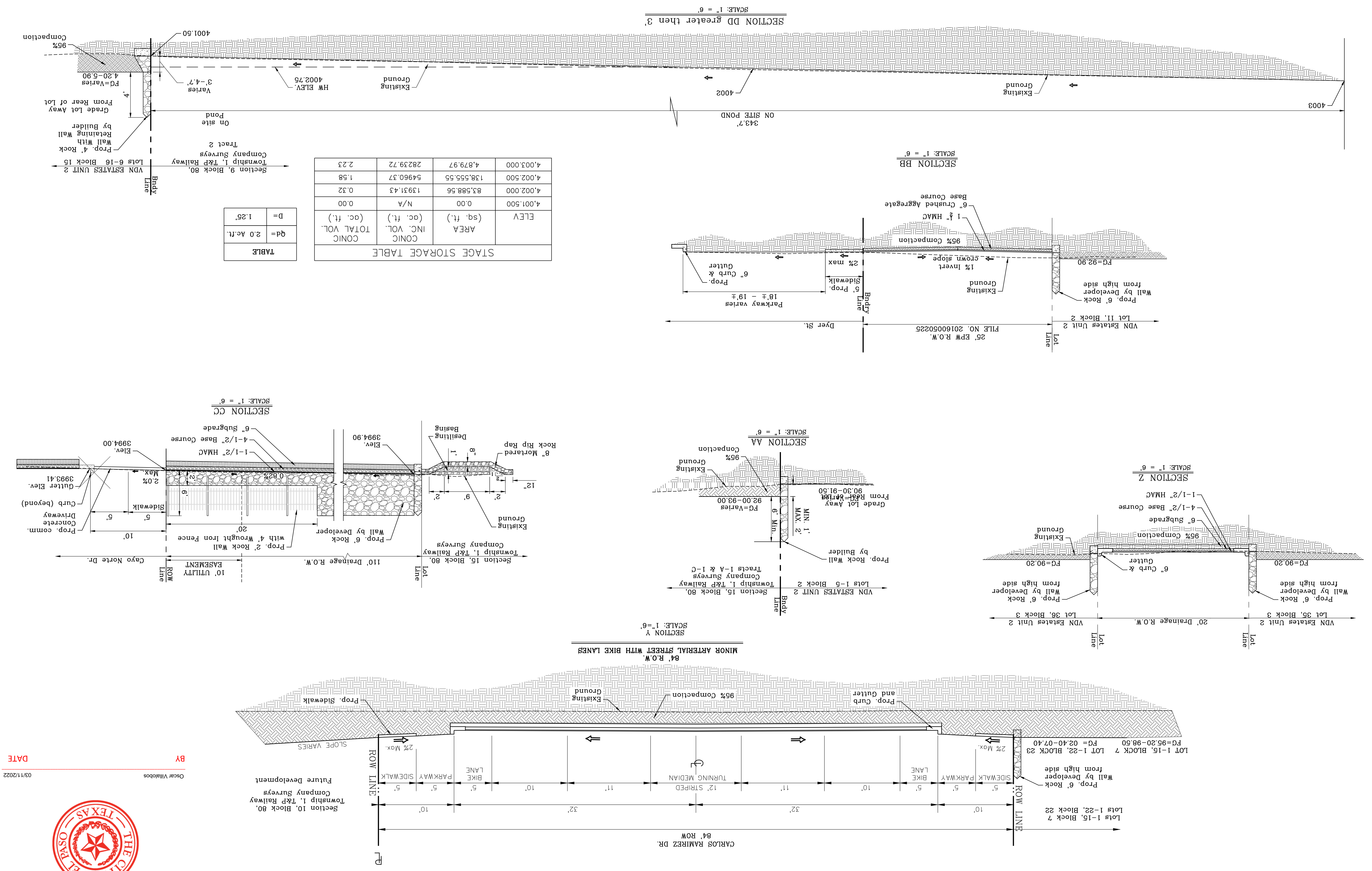
SCALE
 HORIZ: _____
 VERT: _____
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING 129,862± ACRES

| DATE | REVISIONS | BY |
|----------|--|------|
| 09/27/21 | TX DOT REDLINES AS 09-24-21 | F.R. |
| 09/16/21 | REUSE SECTION BB | F.R. |
| 09/18/19 | 1/2" BEAR PANEL POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION LATITUDE N31°58'39.996" LONGITUDE 106°21'28.6012" ELEVATION=4004.41 AND 10 FEET TO ORIGIN NAD 88 DATA AS REFERENCED TO NAD 83 DATUM=4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHWEST DRAINAGE/RAILROAD INTERCEPTOR PLANS | F.R. |
| 11/16/20 | CITY REDLINES AS PER 05/06/19 COMMENTS | F.R. |
| 02/10/21 | CITY REDLINES AS PER 11/06/20 COMMENTS | F.R. |
| 02/10/21 | CITY REDLINES AS PER 02/09/21 COMMENTS | F.R. |



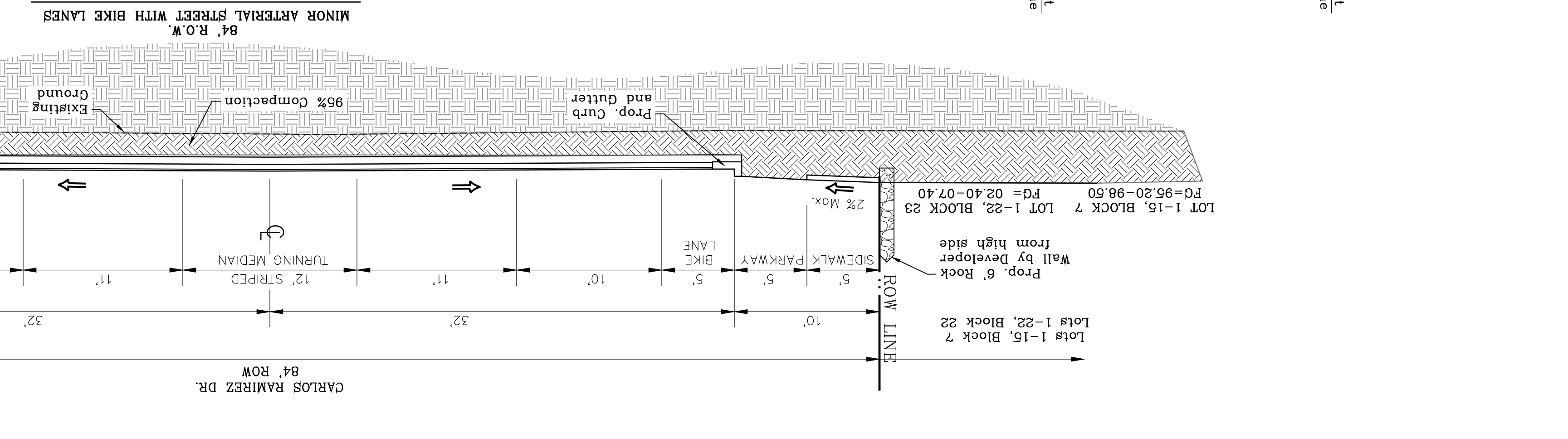
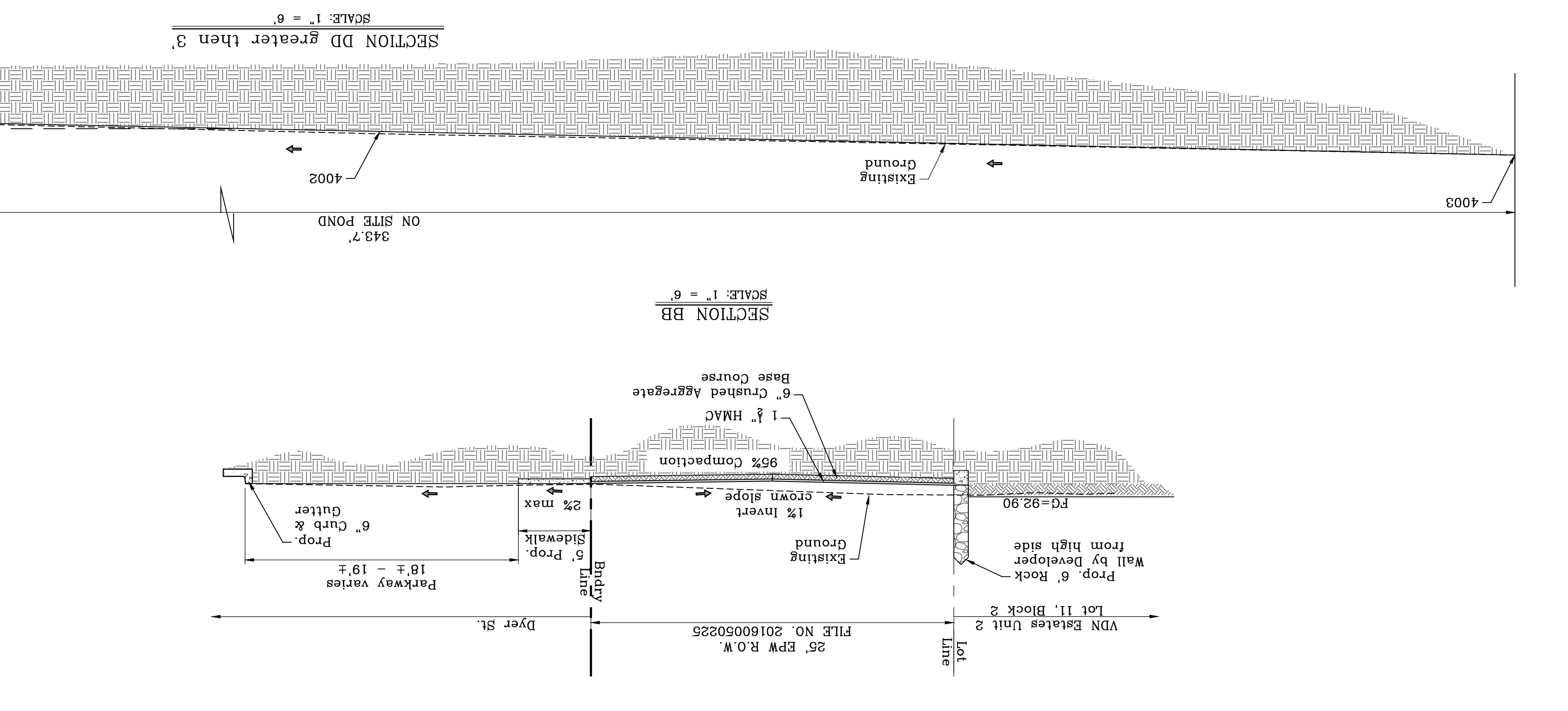
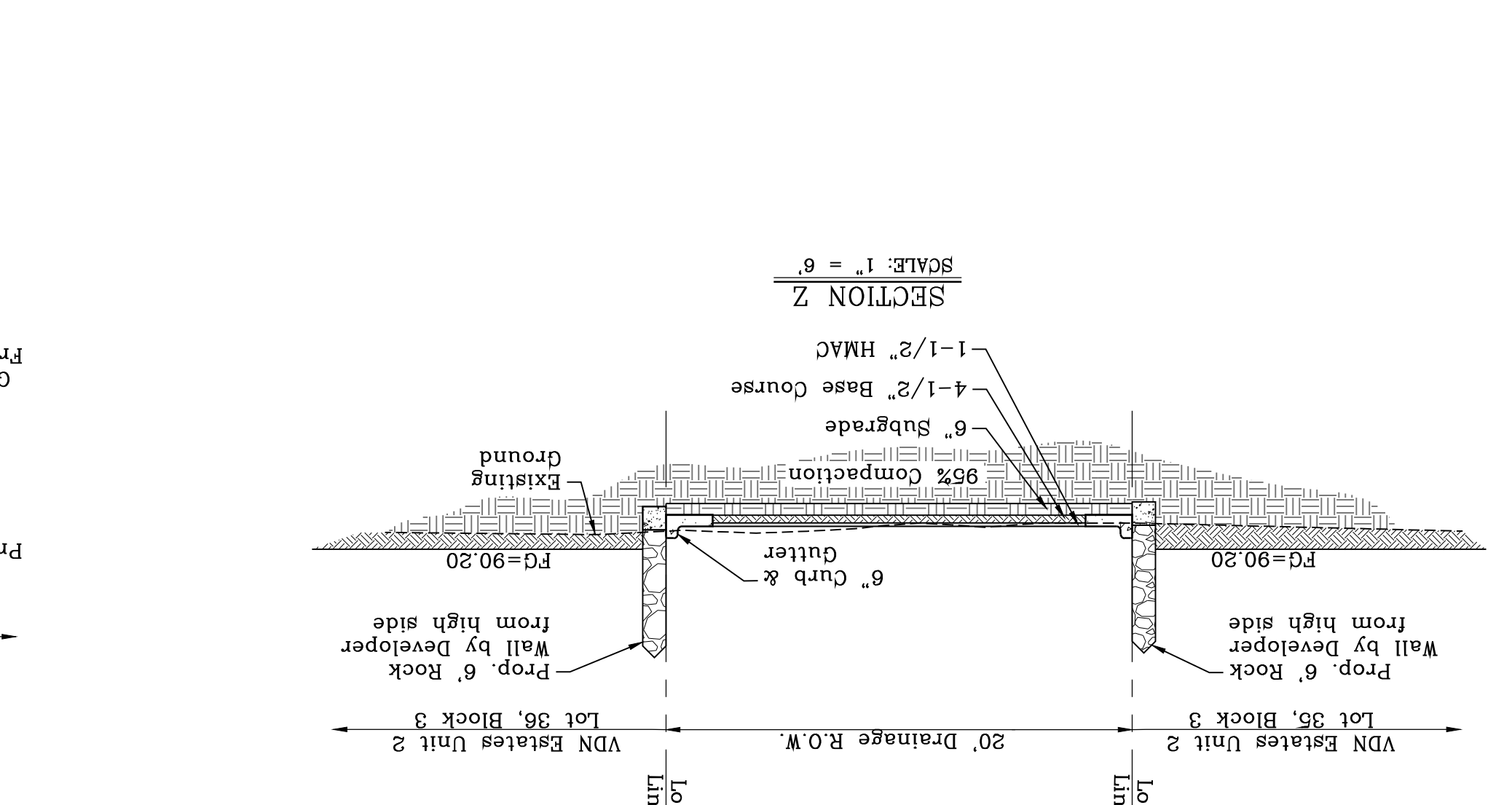
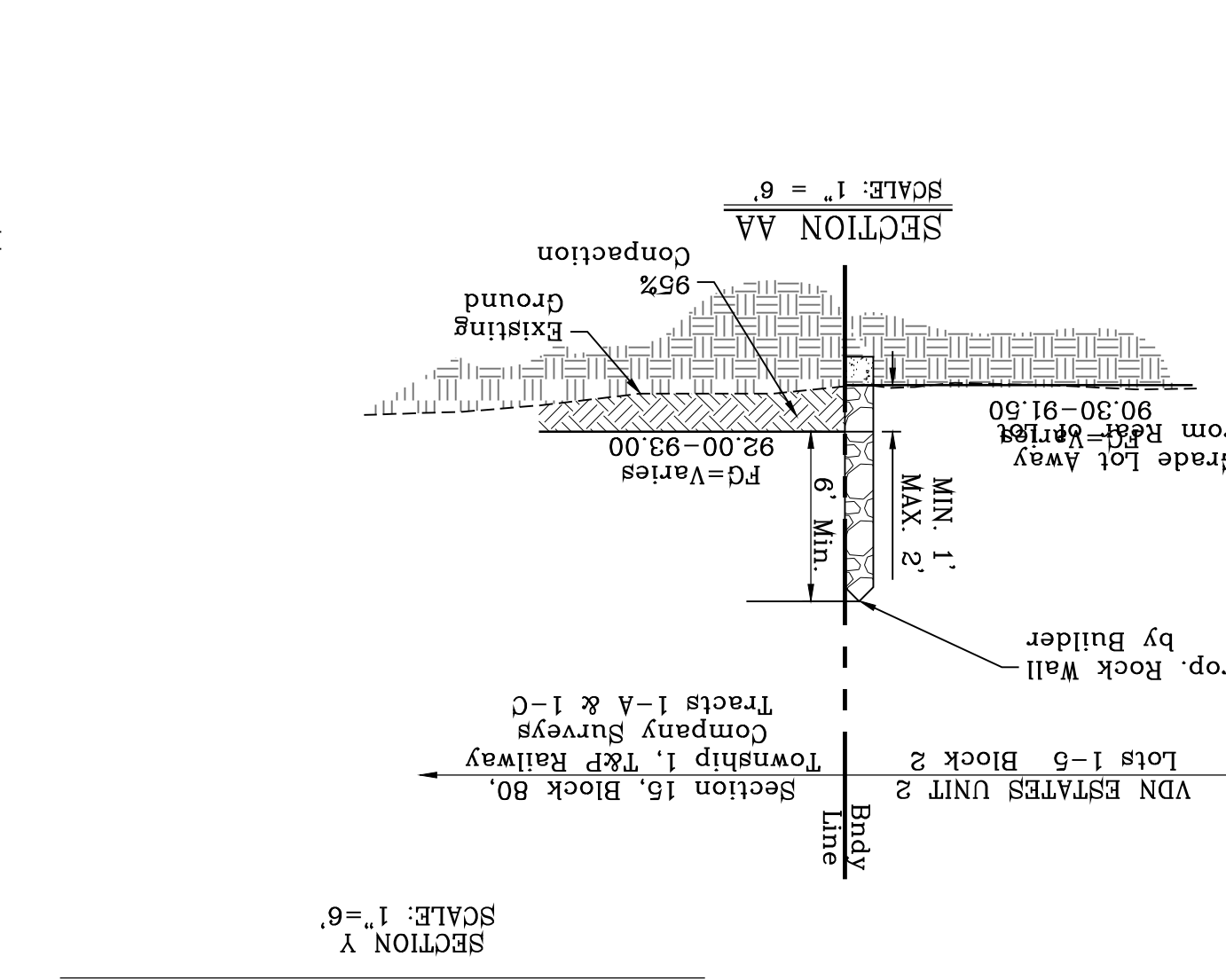
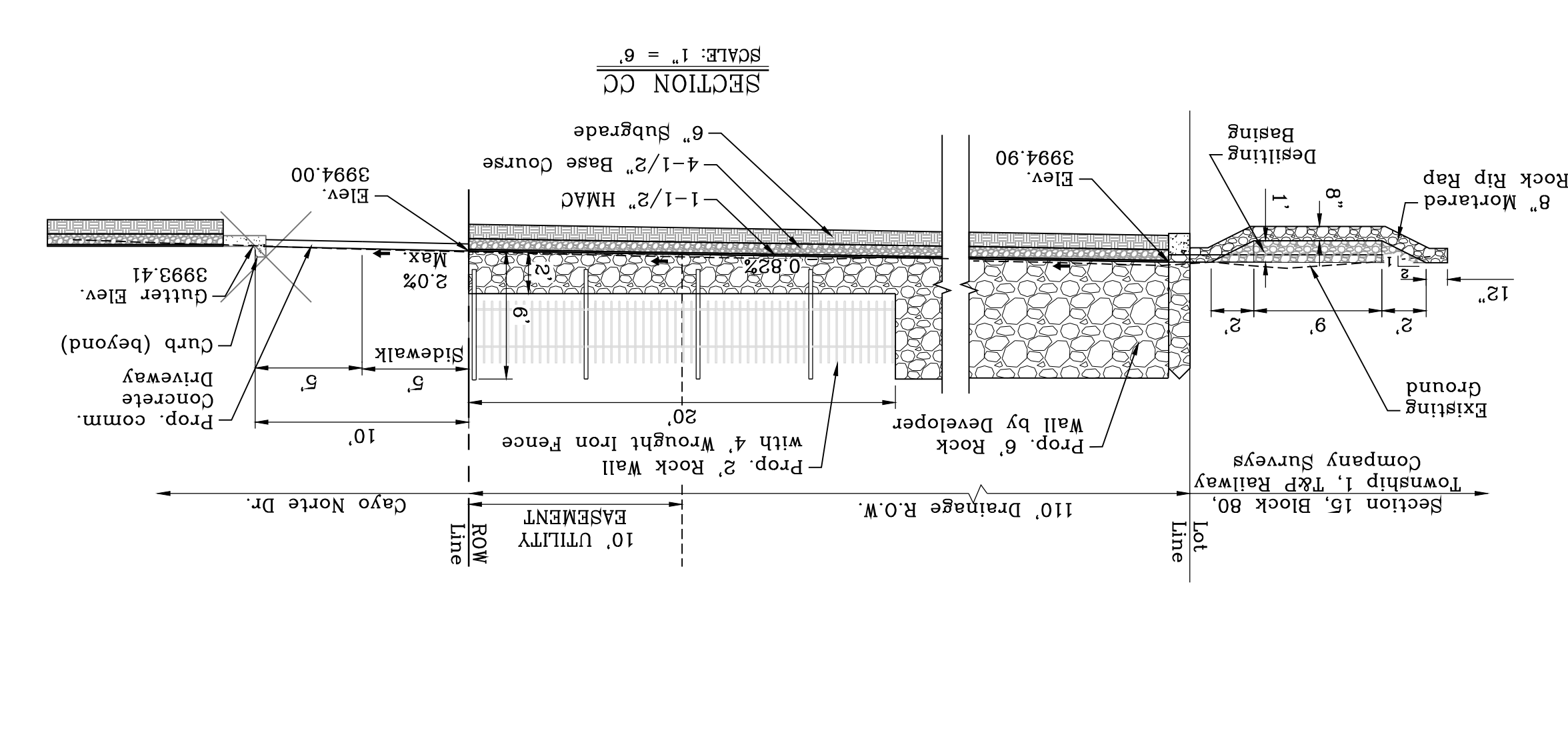
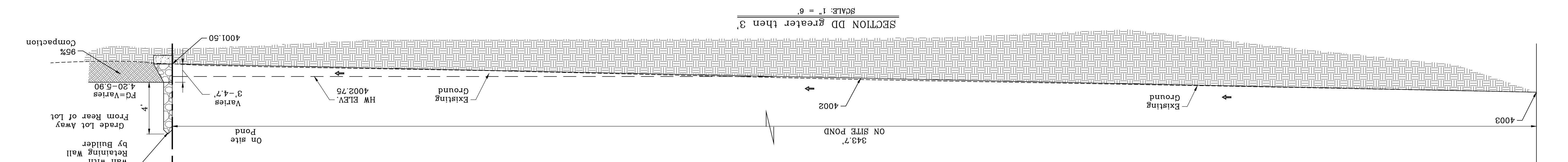
BY Oscar Villalobos DATE 03/11/2022

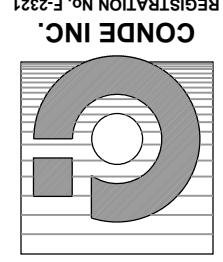


STAGE STORAGE TABLE

| ELEV | AREA (sq. ft.) | CONC INC. VOL. (cc. ft.) | TOTAL VOL. (cc. ft.) |
|-----------|----------------|--------------------------|----------------------|
| 4,001.500 | 0.00 | N/A | 0.00 |
| 4,002.000 | 83,588.56 | 13931.43 | 0.32 |
| 4,002.500 | 138,555.55 | 54960.37 | 1.58 |
| 4,003.000 | 4,879.97 | 28239.72 | 2.23 |

TABLE
 D= 1.25'
 Qd= 2.0 Ac.ft.





CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

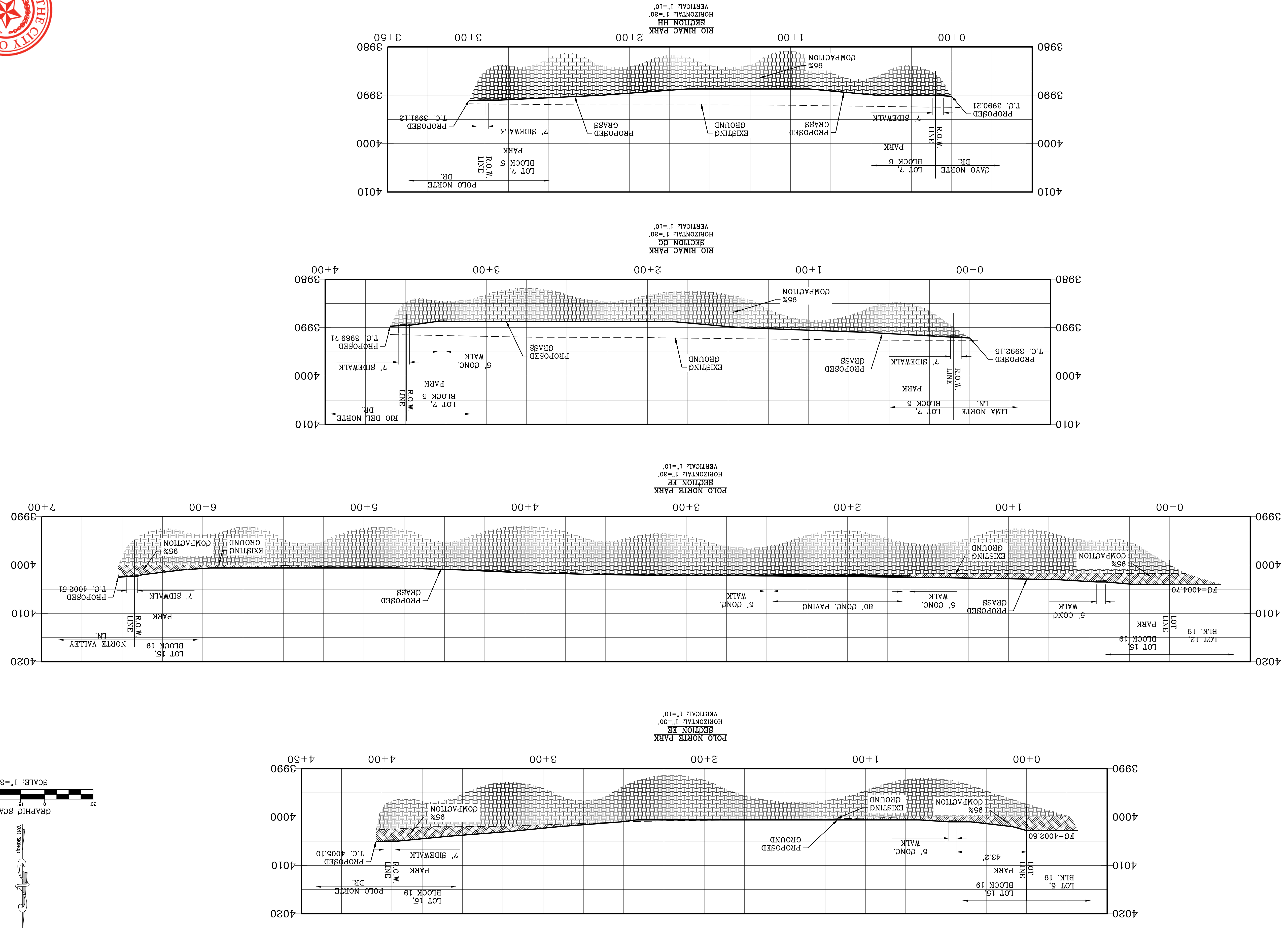
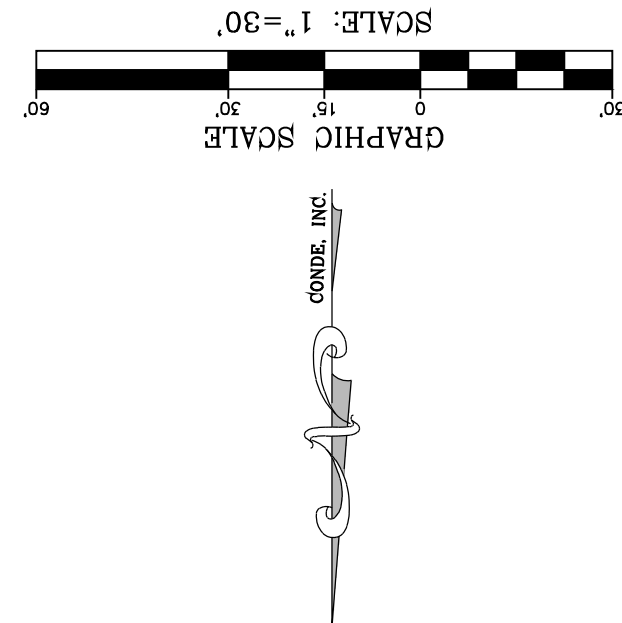


SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

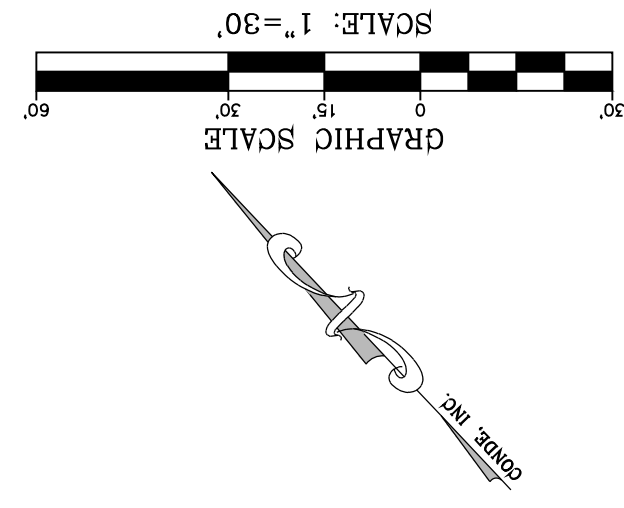
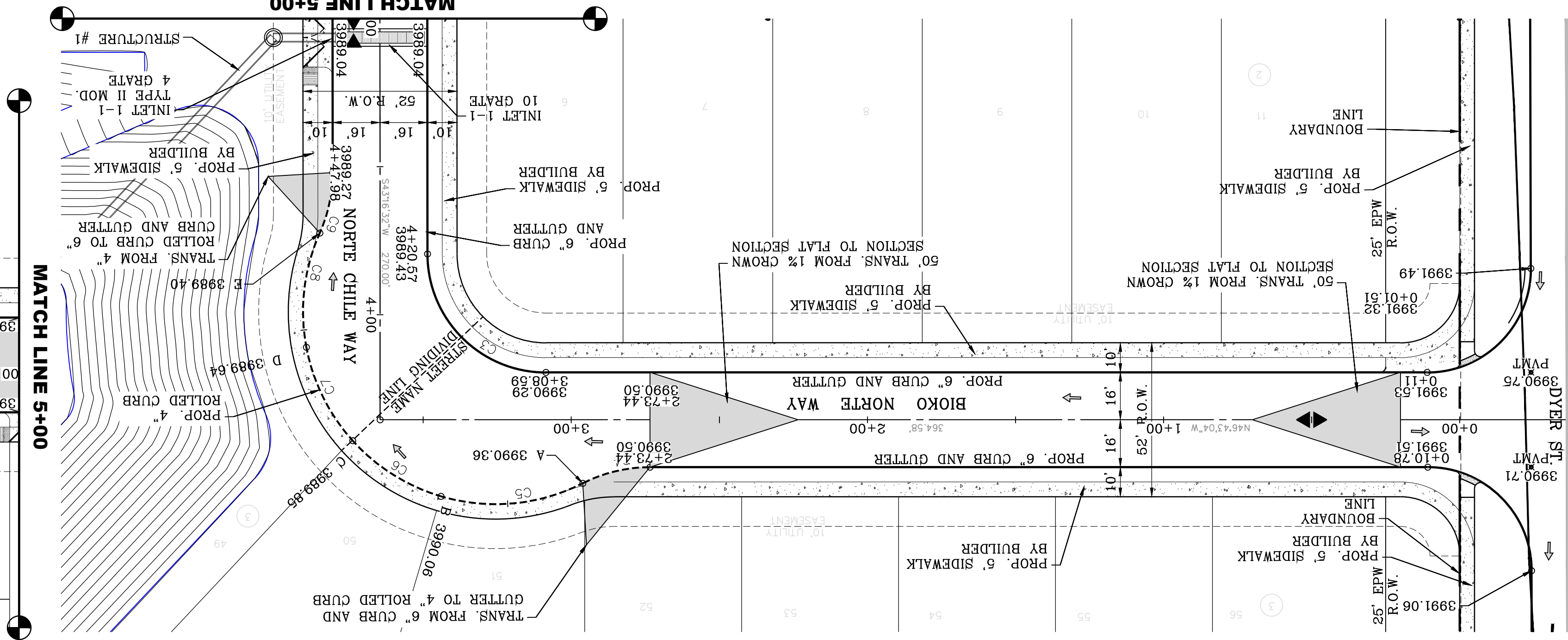
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,822± ACRES

BENCHMARK
 1/2" BEARER PANEL POINT FROM THE NEAREST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. ELEVATION: 4004.41. ADD 10 FEET TO OBTAIN NAVD 83 DATUM AS REFERENCED TO NAD 83. BENCHMARK DATA SHOWN ON THE NORTHWEST CORNER OF THE INTERSECTION OF THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,822± ACRES.
 DATE: 04/06/21
 REVISIONS: PARKS CROSS SECTIONS
 BY: F.R.

DATE _____ BY Oscar Villalobos



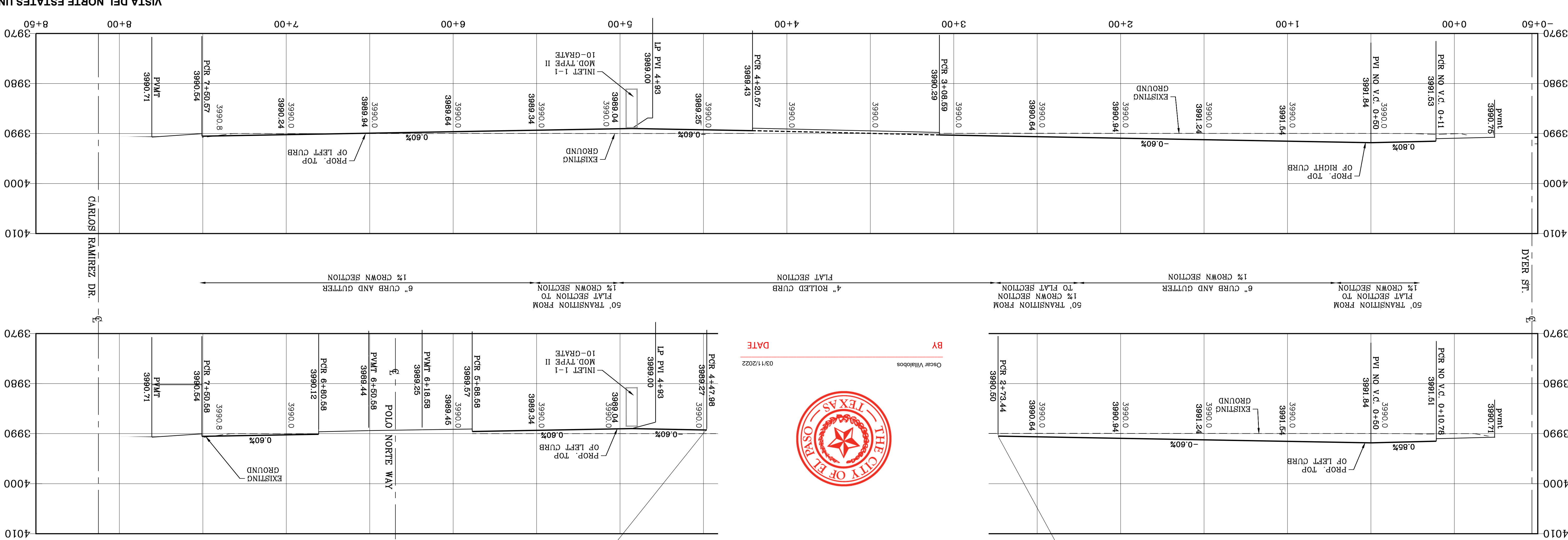
1 EXISTING 12' NORTHBOUND
 2 EXISTING 12' TURNING LANE
 3 EXISTING 12' SOUTHBOUND



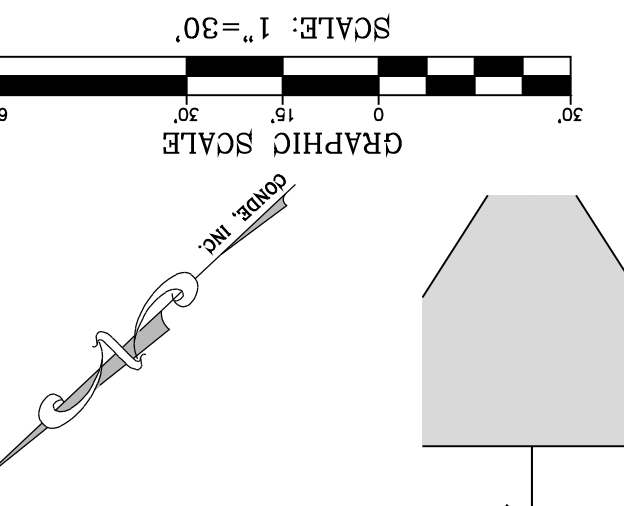
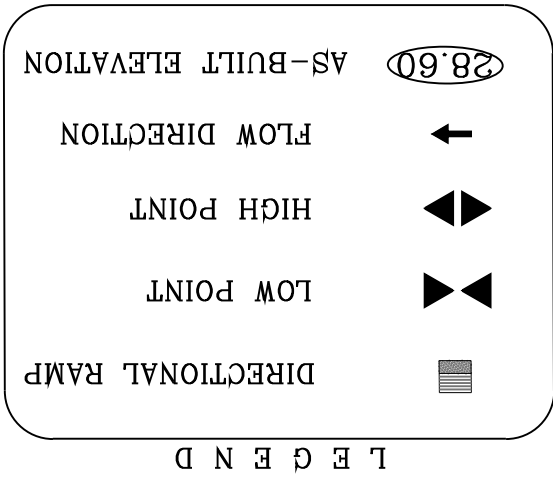
| STATION | PC | PT | PC | PT | PC | PT | PC | PT | PC | PT |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2+73.44 | 3990.50 | 3990.36 | 3990.08 | 3990.95 | 3990.40 | 3990.27 | 3990.36 | 3990.38 | 3990.38 | 3990.38 |
| 3+00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 |
| 3+08.69 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 |
| 4+20.67 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 |
| 4+47.98 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 |



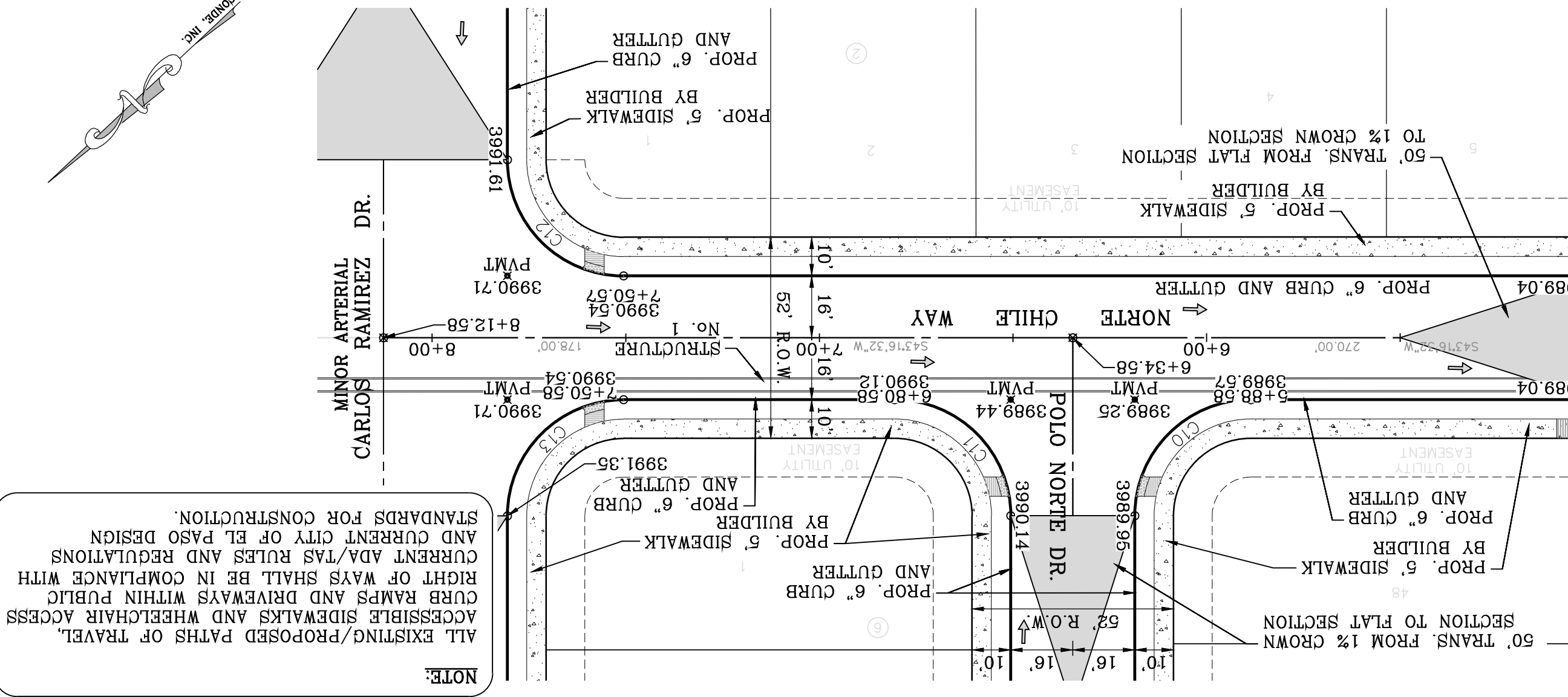
BY Oscar Villalobos
 DATE 03/11/2022



| STATION | PC | PT | PC | PT | PC | PT | PC | PT | PC | PT |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0+00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 | 3990.00 |
| 0+11 | 3991.53 | 3991.53 | 3991.53 | 3991.53 | 3991.53 | 3991.53 | 3991.53 | 3991.53 | 3991.53 | 3991.53 |
| 0+50 | 3991.84 | 3991.84 | 3991.84 | 3991.84 | 3991.84 | 3991.84 | 3991.84 | 3991.84 | 3991.84 | 3991.84 |
| 1+00 | 3991.54 | 3991.54 | 3991.54 | 3991.54 | 3991.54 | 3991.54 | 3991.54 | 3991.54 | 3991.54 | 3991.54 |
| 1+50 | 3991.24 | 3991.24 | 3991.24 | 3991.24 | 3991.24 | 3991.24 | 3991.24 | 3991.24 | 3991.24 | 3991.24 |



SEE SHEET 67 FOR DRAINAGE STRUCTURE #1



NOTE: ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/FAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 OMBRINE CONDE CURRY
 64648
 03/11/2022

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING 128.8622± ACRES

REVISIONS

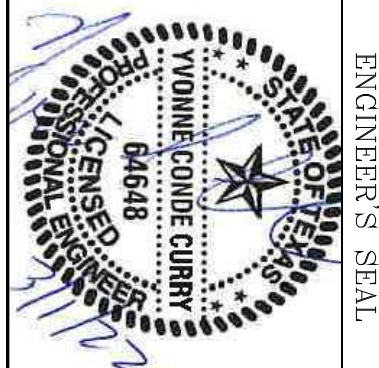
| NO. | DATE | DESCRIPTION |
|-----|----------|--|
| 1 | 11/16/20 | CITY REDLINES AS PER 11/06/20 COMMENTS |
| 2 | 08/16/21 | REDUCE PSB EASEMENT ALONG DYER ST. |

BY F.R.

SHT 18 OF 83
 BLOKO NORTE AND NORTE CHILE WAY
 STA: 0+00 TO STA: 8+50



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

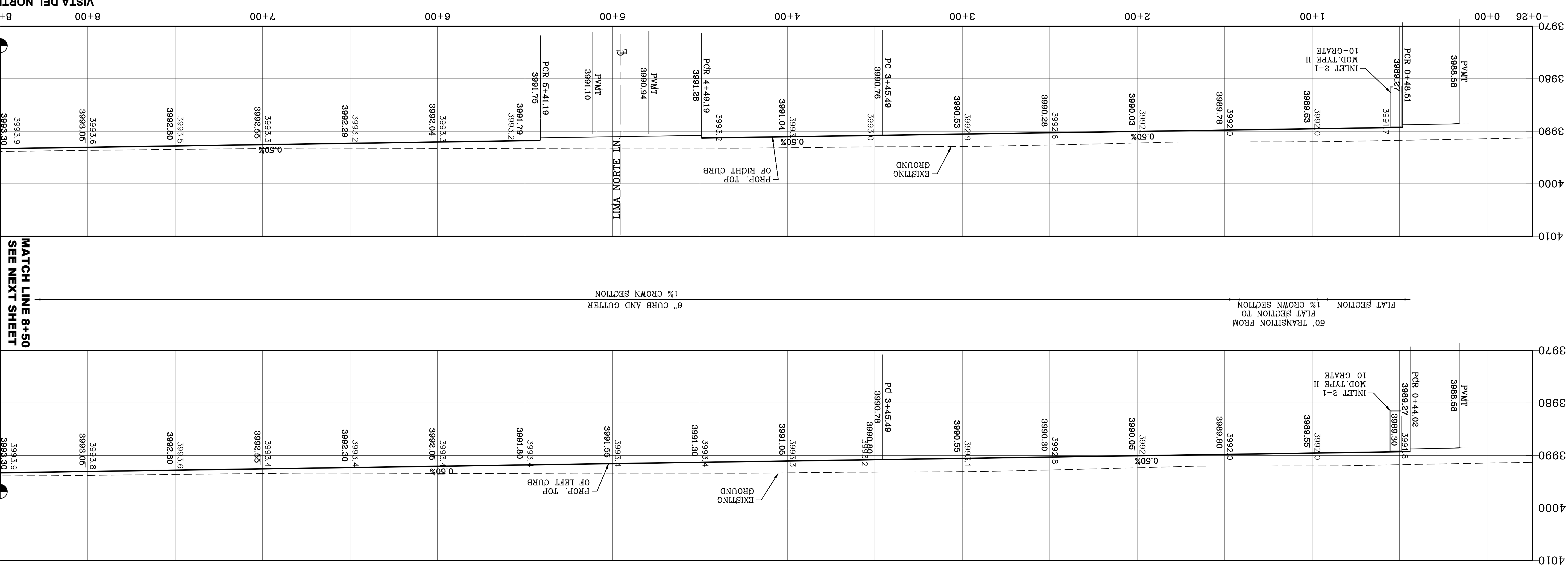
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING 128.8622± ACRES

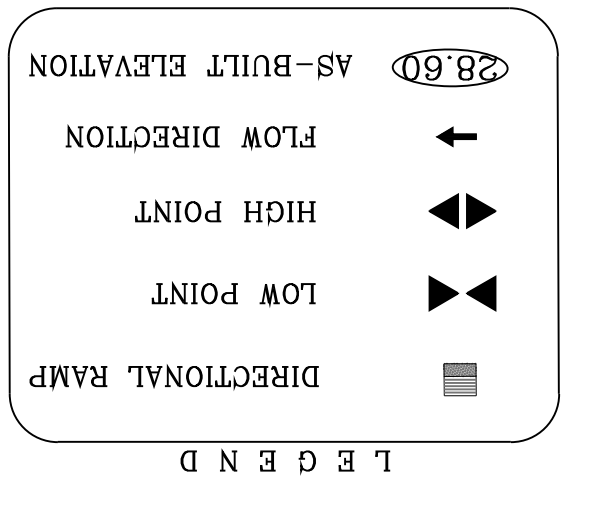
REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|----------|--|
| 1 | 11/16/20 | CITY REDLINES AS PER 11/06/20 COMMENTS |
| 2 | 08/16/21 | REDUCE PSB EASEMENT ALONG DYER ST. |

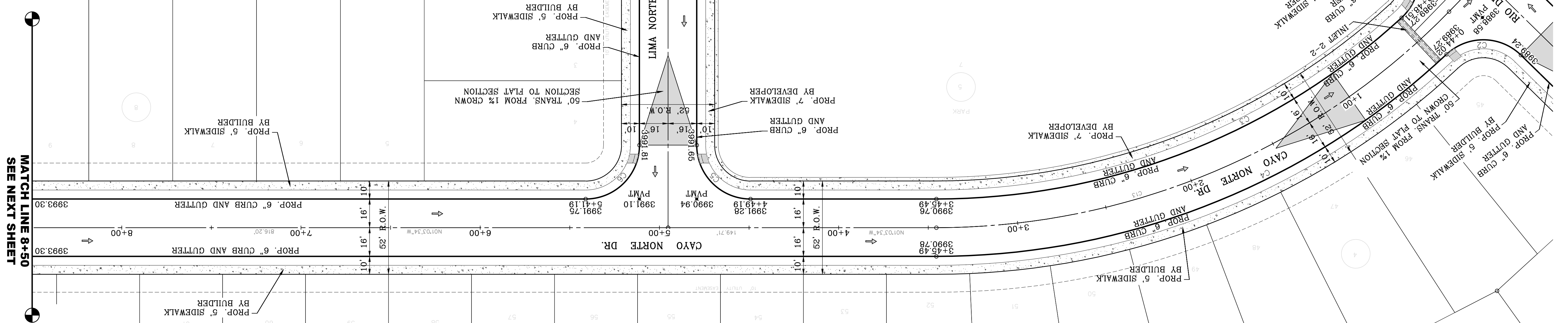
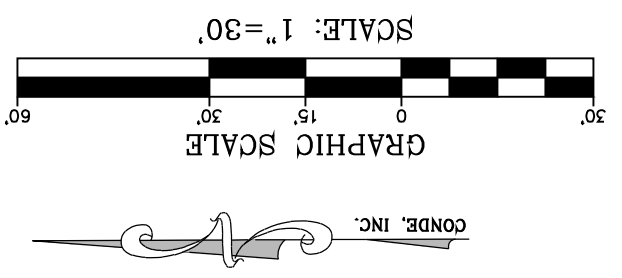
BY F.R.



| CURVE | RADIUS | LENGTH | TANGENT | BEARING | DELTA |
|-------|---------|---------|---------|---------|-----------------------|
| C1 | 30.00' | 48.76' | 31.68' | 43.57' | N89°50'32"E 93°07'12" |
| C2 | 30.00' | 45.83' | 28.73' | 41.50' | N02°8'47"W 87°31'26" |
| C3 | 384.00' | 285.09' | 149.48' | 278.59' | S22°19'43"E 42°32'18" |
| C4 | 416.00' | 313.53' | 164.63' | 306.16' | S22°39'02"E 43°10'56" |
| C5 | 30.00' | 47.12' | 30.00' | 42.43' | S43°56'26"W 90°00'00" |
| C6 | 30.00' | 30.00' | 47.12' | 30.00' | S46°03'34"E 90°00'00" |
| C13 | 400.00' | 318.76' | 168.38' | 310.39' | S23°53'19"E 45°39'30" |



SEE SHEET 67 FOR DRAINAGE STRUCTURE #2



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 YOUNG CHINE CURRY
 6468
 CIVIL ENGINEER
 STATE OF TEXAS

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE
 MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
 VISTA DEL NORTE ESTATES UNIT TWO

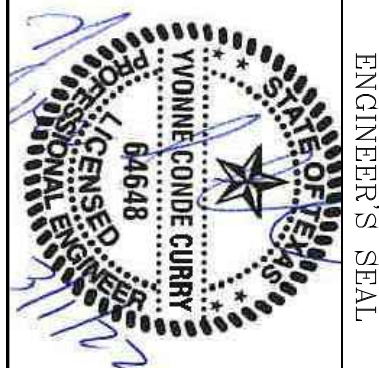
BENCHMARK
 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 146°57'18"W - 187°02' FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION - 4004.41 AND 10 FEET TO ORIGIN AND 88 DATA AS REFERENCED TO ELEVATION - 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/BALROAD INTERCHANGE PLANS

REVISIONS

| DATE | BY | CITY REDLINES AS PER |
|----------|------|----------------------|
| 11/16/20 | F.R. | 11/06/20 COMMENTS |



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE
 MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
 VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, CONTAINING 128,8622# ACRES

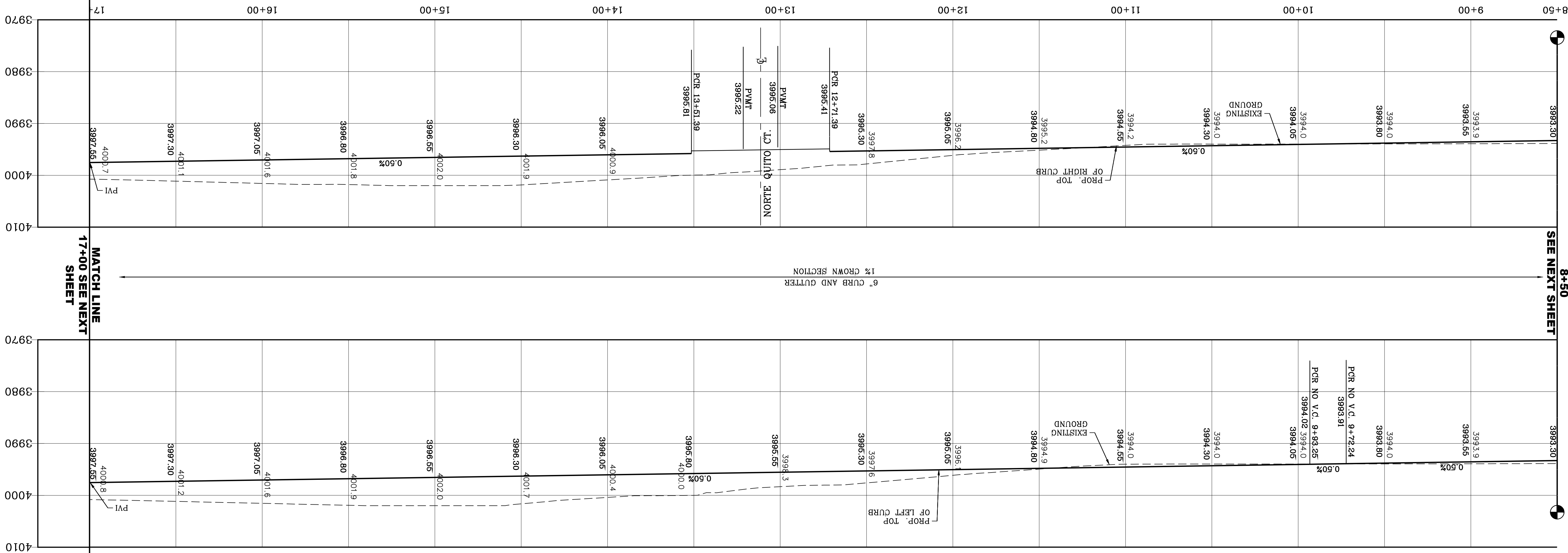
BENCHMARK
 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 146°57'18"W - 187°02' FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION - 4004.41 AND 10 FEET TO ORIGIN AND 88 DATA AS REFERENCED TO ELEVATION - 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/BALROAD INTERCHANGE PLANS

REVISIONS

| DATE | BY | CITY REDLINES AS PER |
|----------|------|----------------------|
| 11/16/20 | F.R. | 11/06/20 COMMENTS |

MATCH LINE
8+50
SEE NEXT SHEET

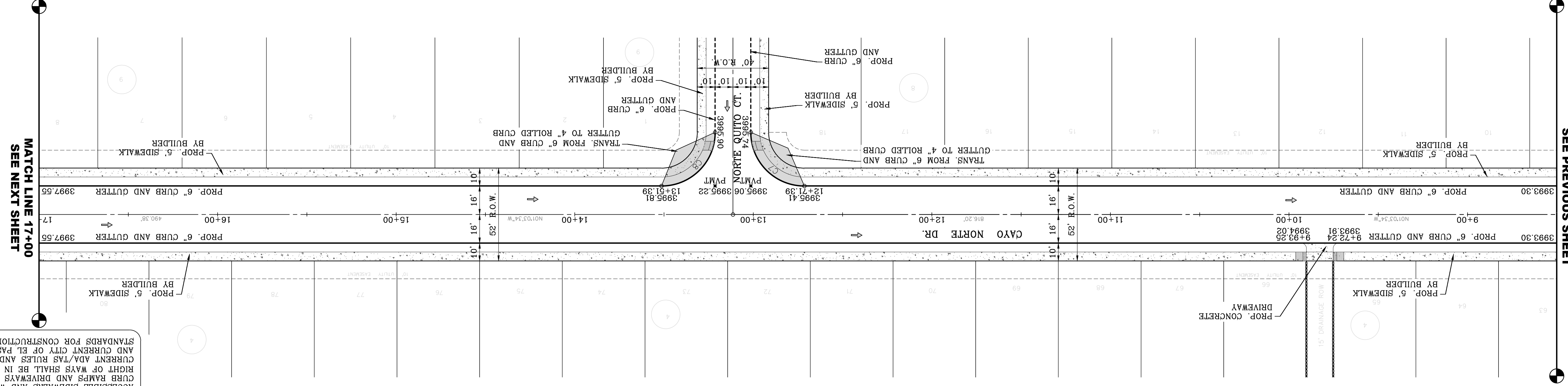
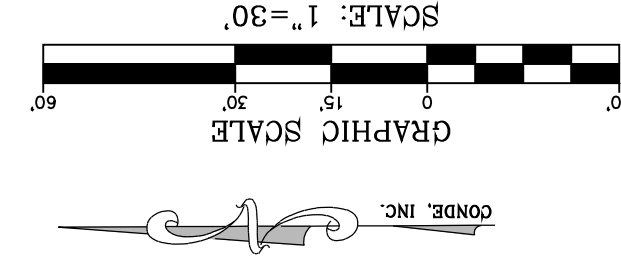
MATCH LINE
8+50
SEE PREVIOUS SHEET



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C7 | 30.00' | 47.12' | 30.00' | 42.43' | S43°56'26"W | 90°00'00" |
| C8 | 30.00' | 47.12' | 30.00' | 42.43' | S46°03'34"E | 90°00'00" |

LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 20 OF 83
 CAYO NORTE CT.
 STA: 8+50 TO STA: 17+00

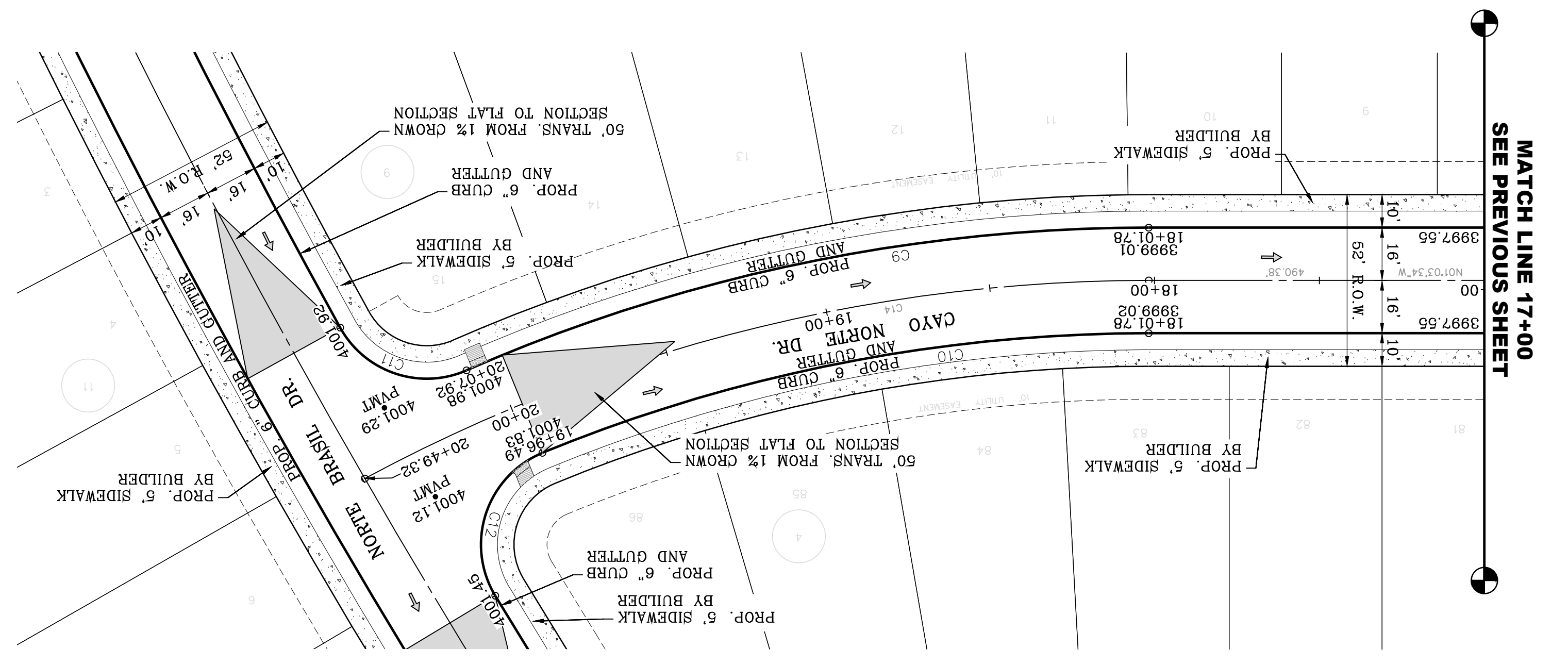
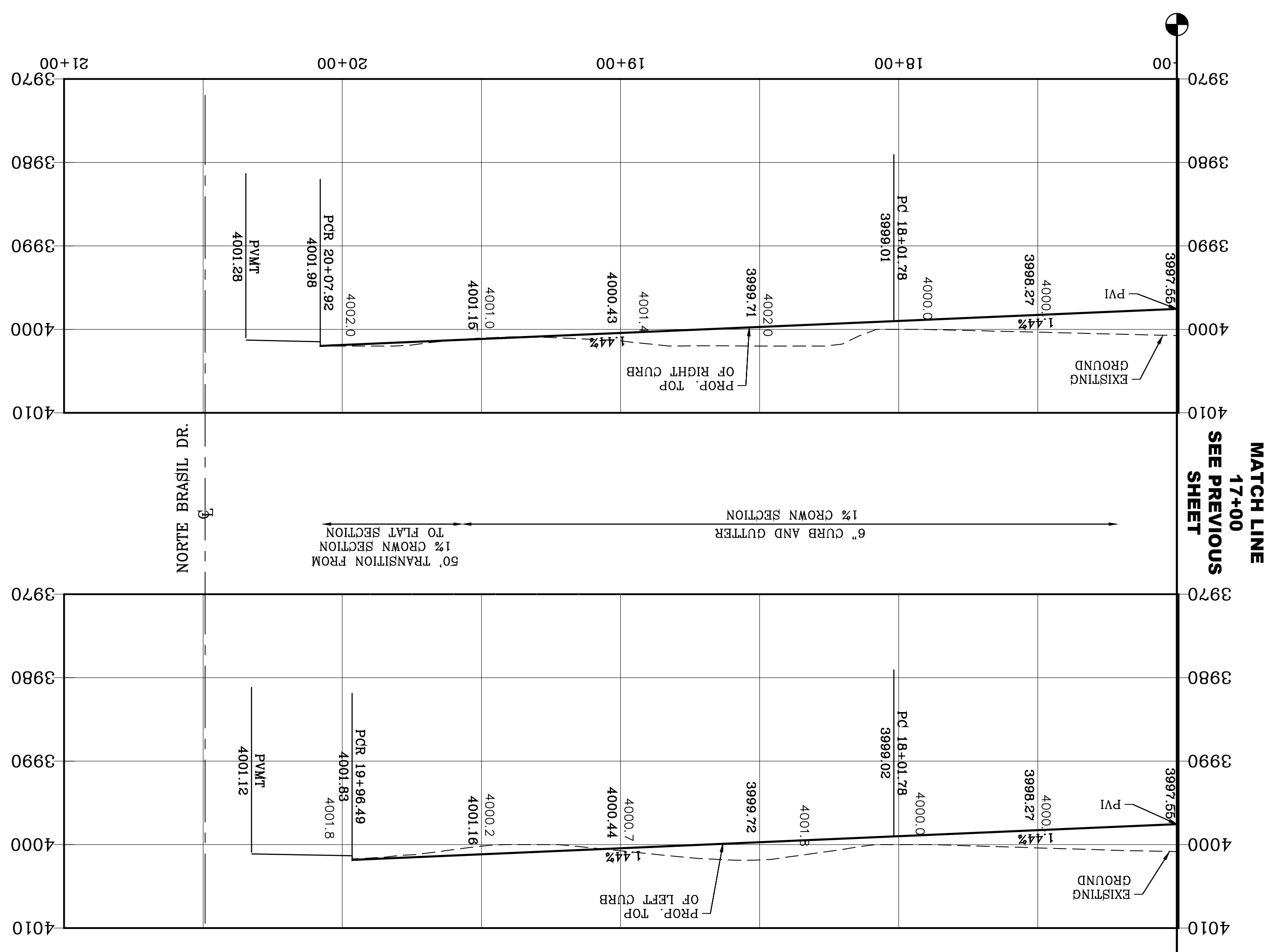
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

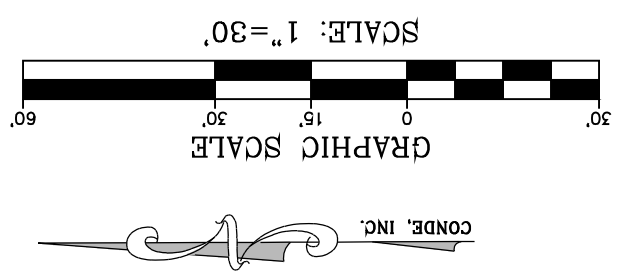
PROJECT NAME
 VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
 1/2" BEARER PANEL POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE
 146°57'18"W - 187'82 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE
 SUDIVISION: 400'x41' ADD 10FEET TO OBTAIN NAD 88 DATA AS REFERENCED TO
 ELEVATION - 4013.2 PER BENCHMARK DATA SHOWN ON THE
 NORTHEAST DIER/RAILROAD INTERCEPTOR PLANS
 DATE: _____ BY: _____



CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|-------------|-------------|------------|
| C9 | 516.00' | 212.74' | 107.90' | 211.24' | N12°52'15"W | 233°37'22" |
| C10 | 484.00' | 188.49' | 95.45' | 187.30' | N12°12'58"W | 221°8'46" |
| C11 | 30.00' | 44.33' | 40.40' | 517.38°42'W | 84°39'17" | |
| C12 | 30.00' | 51.74' | 35.01' | N72°46'56"W | 98°49'11" | |
| C14 | 500.00' | 247.55' | 126.37' | 245.03' | N15°14'35"W | 28°22'01" |



BY Oscar Villalobos
 DATE 03/11/2022

SHT 21 OF 83

CAYO NORTE
 STA: 17+00 TO
 STA: 20+49.32

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 YOUNG CONDE CURRY
 64648
 LICENSED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF TEXAS

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

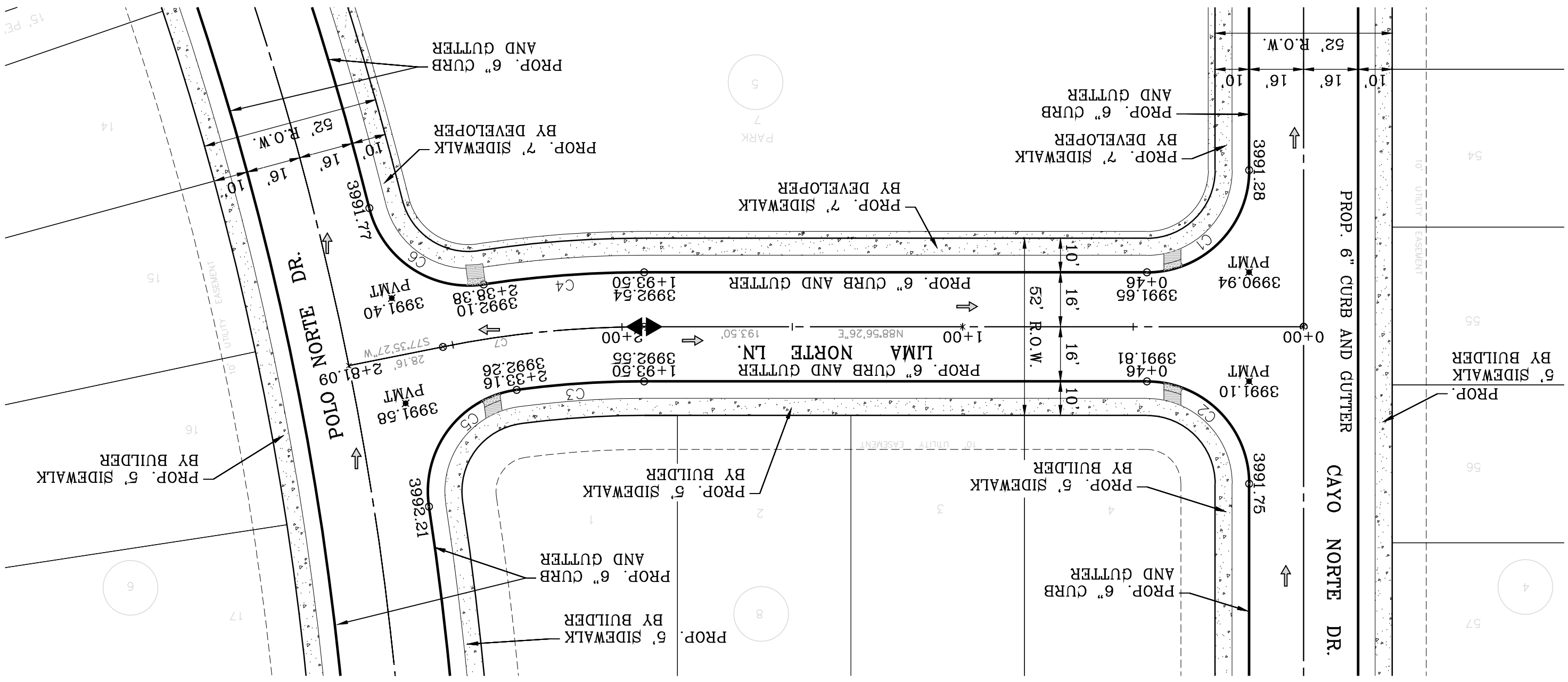
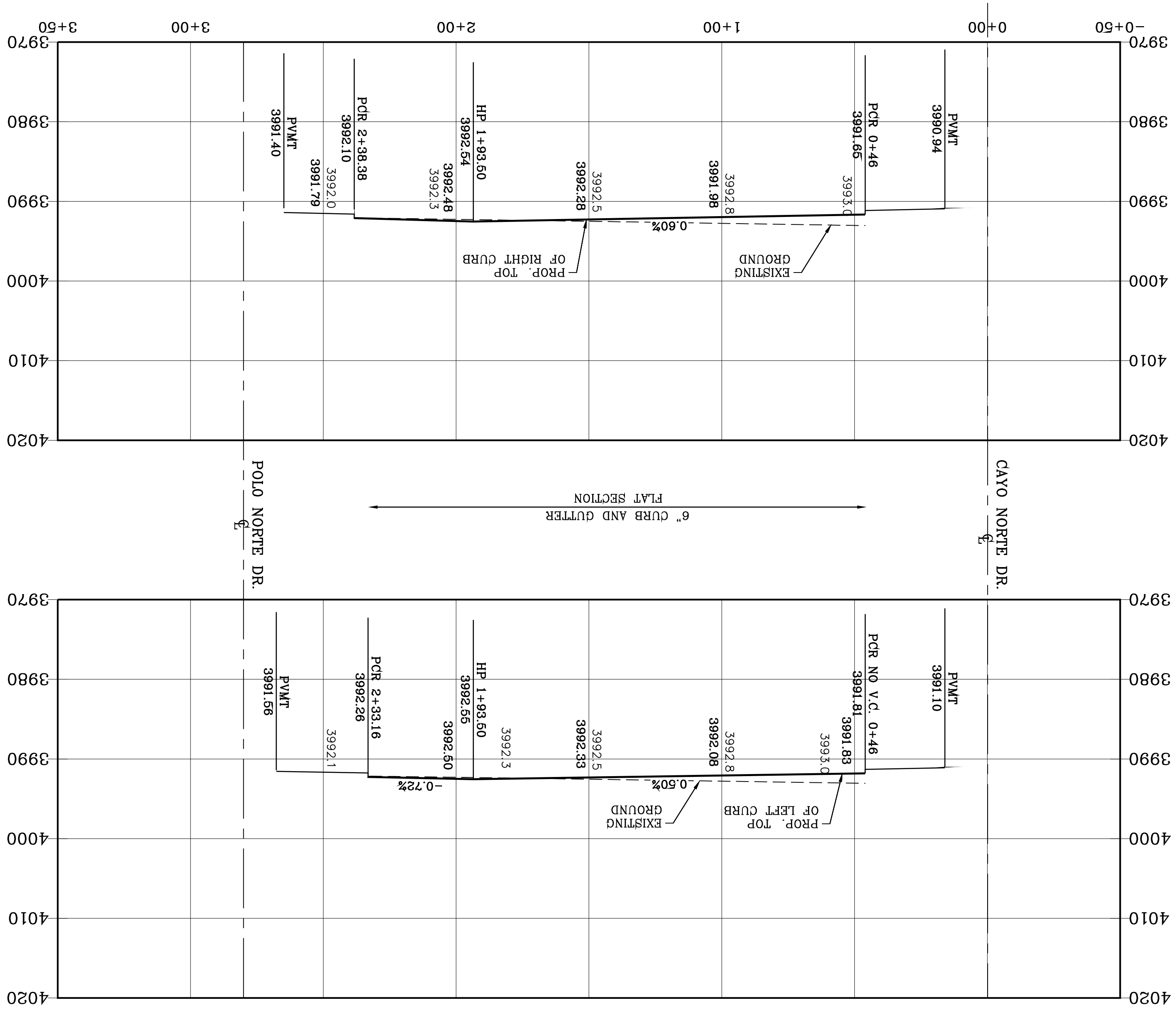
CURVE TABLE

LEGEND
 AS-BUILT ELEVATION
 FLOW DIRECTION
 HIGH POINT
 LOW POINT
 DIRECTIONAL RAMP

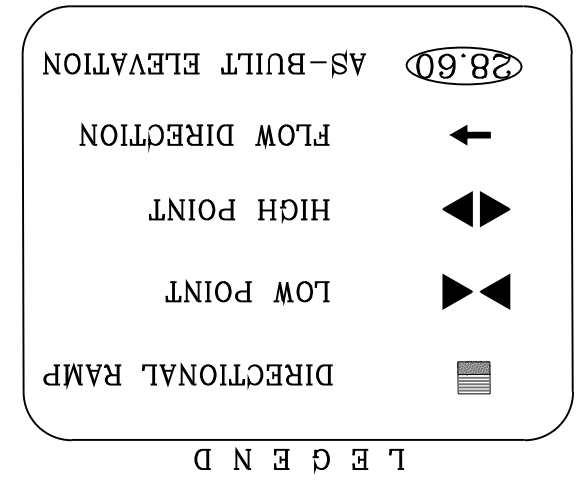
NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

BENCHMARK
 1/2" BENCH MARK POINT FROM 146°57'18"W, 187°02' FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N1°58'39.7980" LONGITUDE: 106°51'28.6012" ELEVATION: 4004.41 AND 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83. ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DIVER/RAILROAD INTERSECTION PLANS.

REVISIONS
 DATE: 11/16/20
 BY: F.R.
 CITY REDLINES AS PER 11/06/20 COMMENTS



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|---------------|-------|
| C1 | 30.00' | 47.12' | 30.00' | 42.43' | S43°56'26\"/> | |



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 22 OF 83
 STA: 0+00 TO STA: 2+81.09
L.N. LIMA NORTE
 CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SUFFERTY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

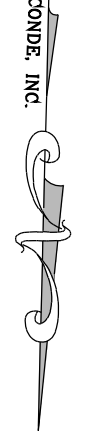
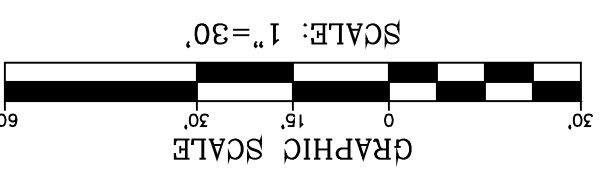
ENGINEER'S SEAL
 S C A L E
 HORIZ: 1" = 30'
 VERT: 1" = 10'

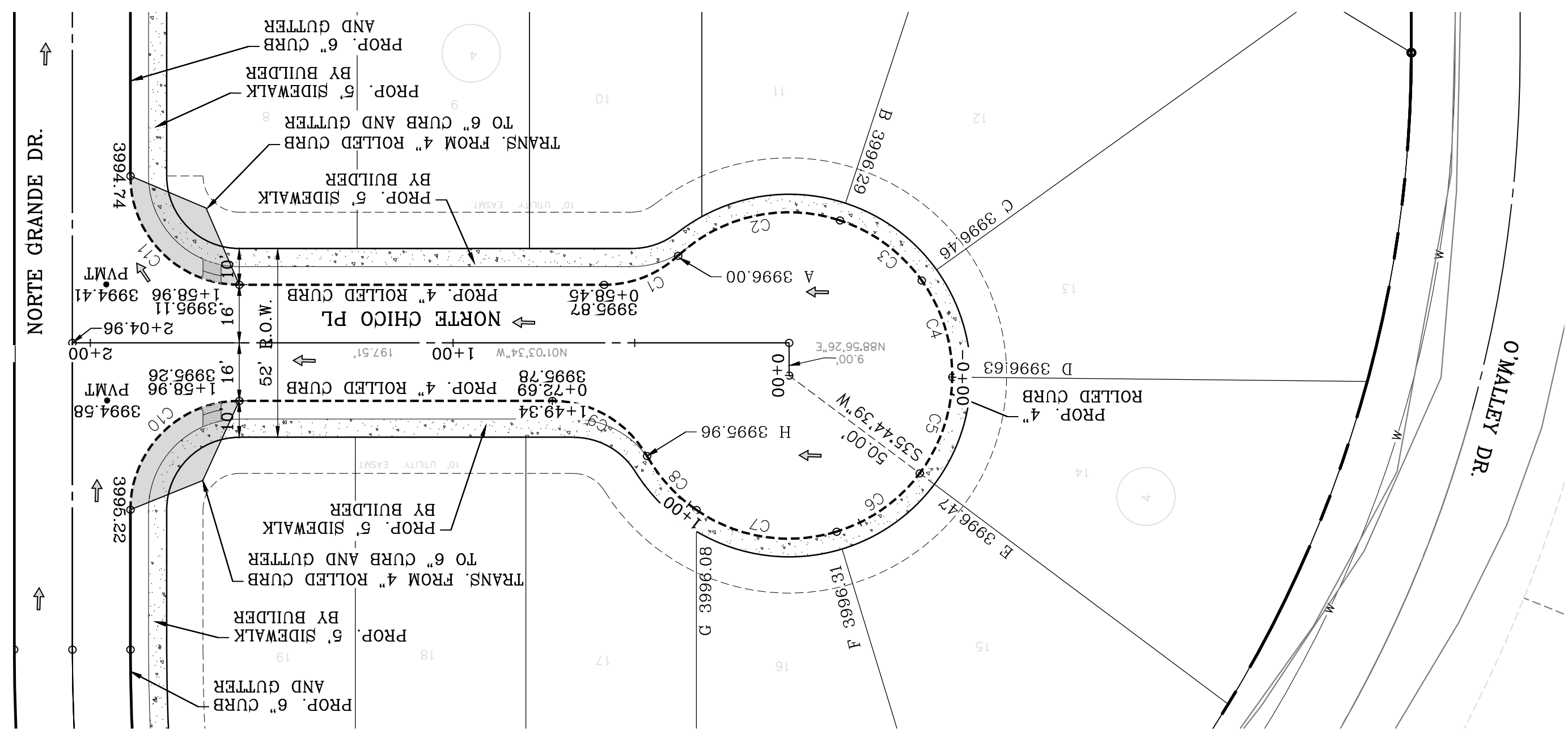
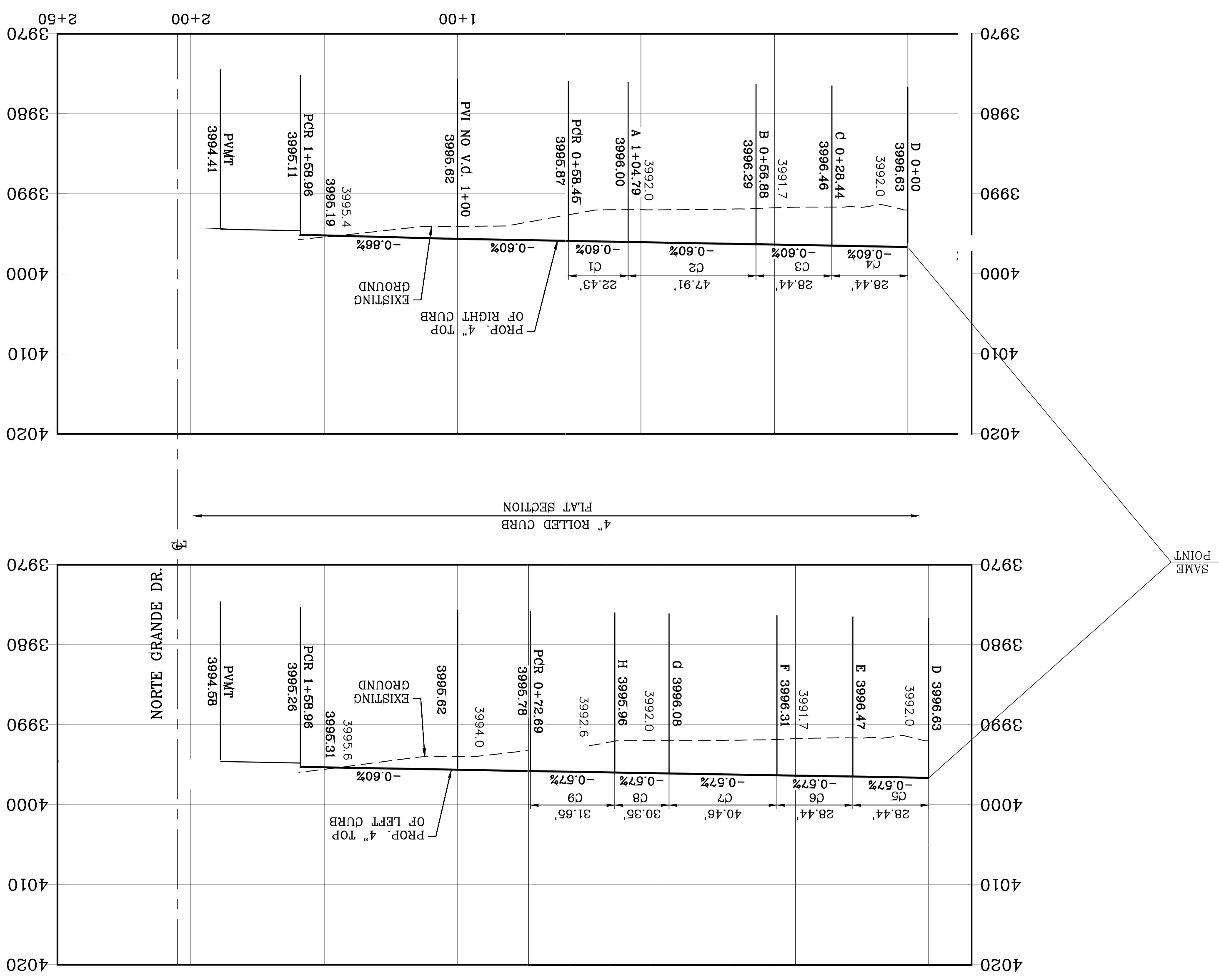
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80 OF TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,86224 ACRES

BENCHMARK REQUIRED BY OTHERS LOCATED 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 14657718 W. 187282 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N31°58'39.7980" LONGITUDE: 106°23'28.6012" ELEVATION: 4004.41 ADD OFFSETS TO OBTAIN NAD 83 DATA AS REFERENCED TO NAD 83 DATUM. NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DYER/RAILROAD INTERCEPTOR PLANS.
 REVISIONS
 DATE 11/16/20
 CITY REDLINES AS PER 11/06/20 COMMENTS
 BY F.R.



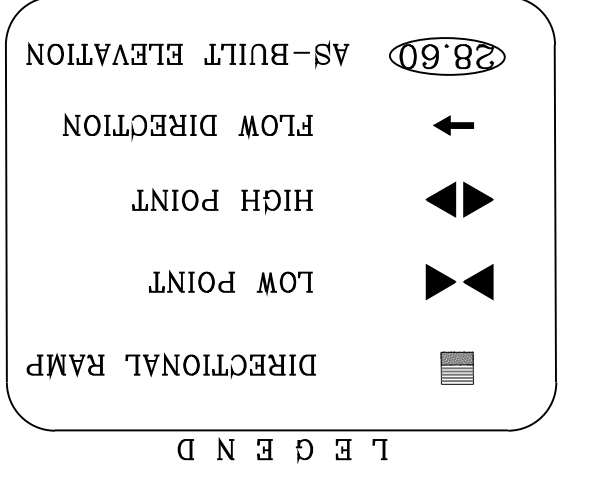
Oscar Villalobos
 DATE 03/11/2022



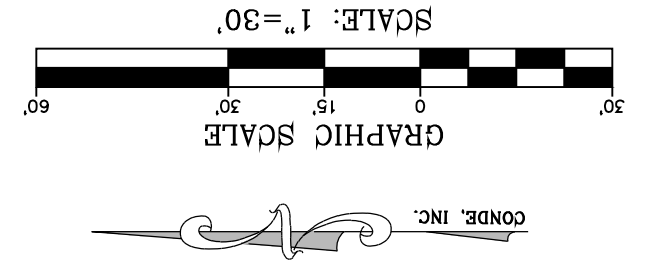


CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C1 | 30.00' | 22.43' | 11.77' | 21.91' | S22°28'34"E | 42°50'00" |
| C2 | 45.00' | 47.91' | 26.51' | 45.68' | N13°23'27"W | 61°00'16" |
| C3 | 45.00' | 28.44' | 14.71' | 27.97' | N35°13'01"E | 36°12'39" |
| C4 | 45.00' | 28.44' | 14.71' | 27.97' | N71°25'40"E | 36°12'39" |
| C5 | 45.00' | 28.44' | 14.71' | 27.97' | S72°21'41"E | 36°12'39" |
| C6 | 45.00' | 28.44' | 14.71' | 27.97' | S36°09'02"E | 36°12'39" |
| C7 | 45.00' | 40.46' | 21.71' | 39.11' | S74°2'45"W | 51°30'53" |
| C8 | 45.00' | 20.35' | 10.35' | 20.18' | S46°25'31"W | 25°54'39" |
| C9 | 30.00' | 31.65' | 17.47' | 30.20' | N29°09'38"E | 60°26'24" |
| C10 | 30.00' | 47.12' | 30.00' | 42.43' | N46°03'34"W | 90°00'00" |
| C11 | 30.00' | 47.12' | 30.00' | 42.43' | S43°56'26"W | 90°00'00" |



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



SHT 23 OF 83

NORTE CHICO PL.
 STA: 0+00 TO STA: 2+04.96

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SUFERTY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

CONDE INC.
 REGISTRATION NO. F-22121

ENGINEER'S SEAL
 YVONNE CONDE CURRY
 64648
 03/11/2022

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53



PROJECT NAME

VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 128,822± ACRES

BENCHMARK

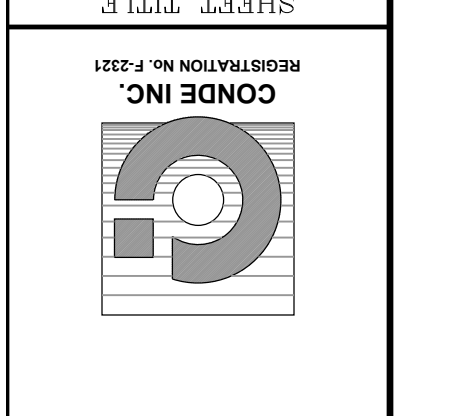
1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 146°57'18"W - 187'82 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION - 4004.41 ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83
 ELEVATION - 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DIVER/RAILROAD INTERCEPTOR PLANS

REVISIONS

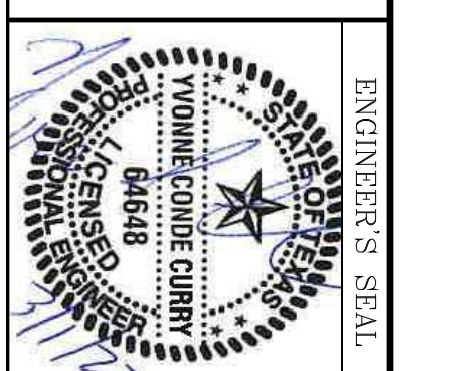
| DATE | BY |
|------|----|
| | |

VISTA DEL NORTE ESTATES UNIT TWO

BY Oscar Villalobos
 DATE 03/11/2022



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 128,822± ACRES

REVISIONS

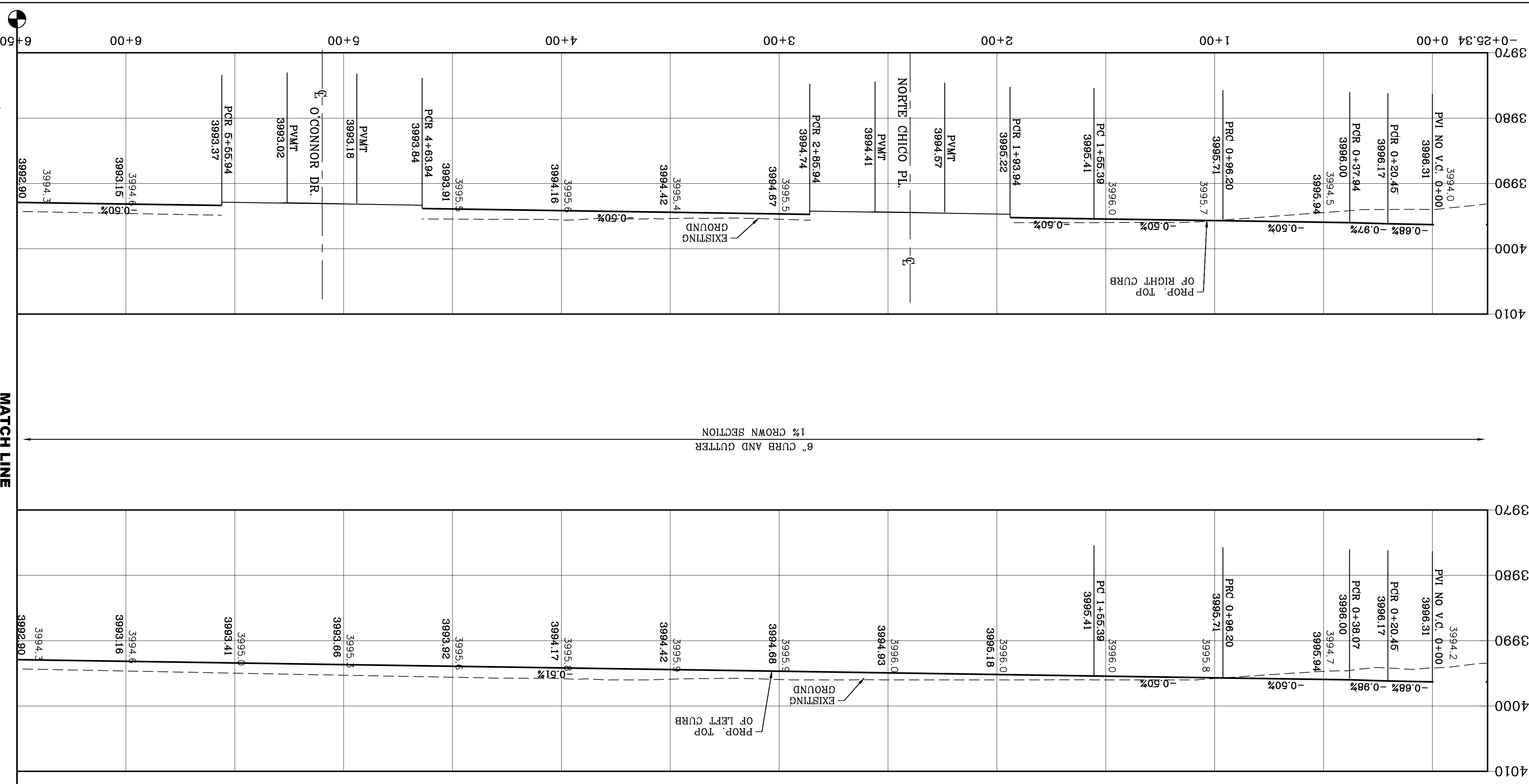
| NO. | DATE | DESCRIPTION | BY |
|-----|----------|--|------|
| 1 | 11/18/20 | CITY REDLINES AS PER 11/06/20 COMMENTS | F.R. |

Clear Villalobos
 03/11/2022
 DATE

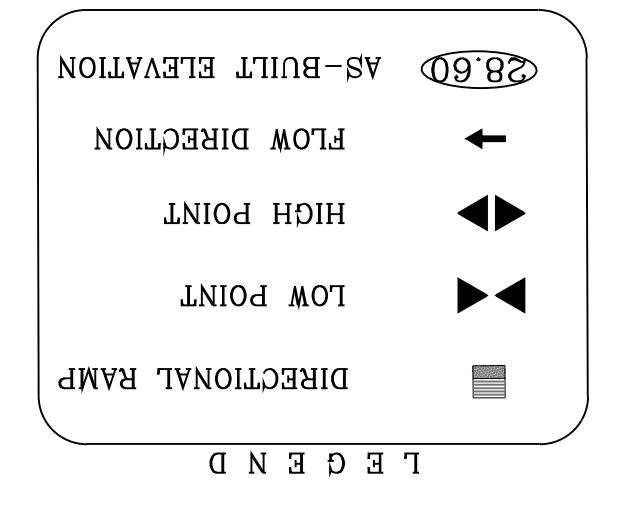
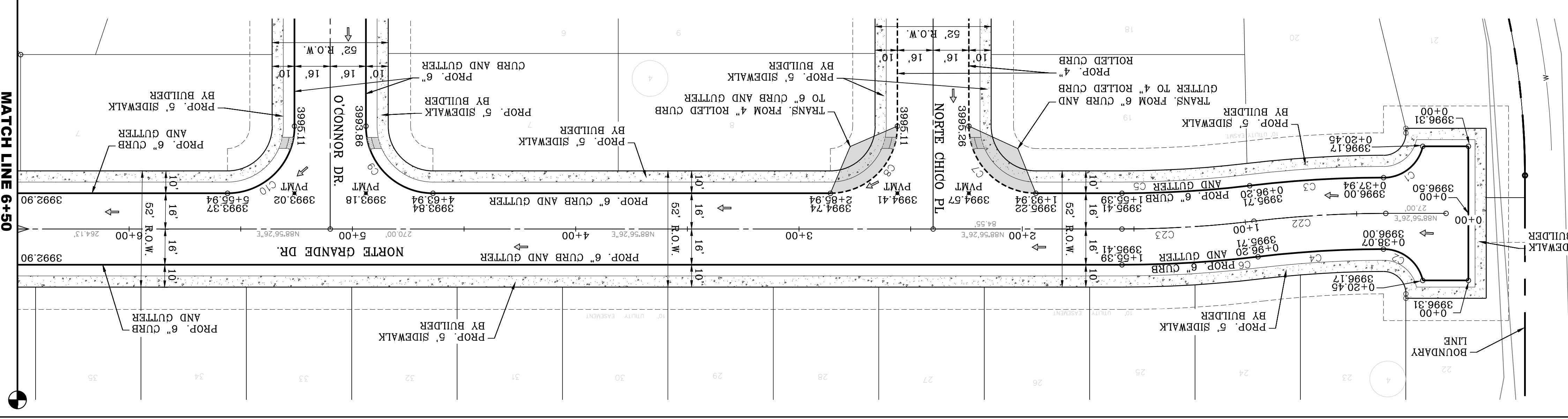


MATCH LINE
 6+50 SEE
 NEXT SHEET

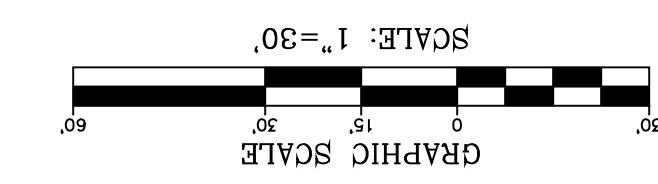
MATCH LINE 6+50
 SEE NEXT SHEET



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|--------|---------|--------|-------------|-----------|
| C1 | 18.00' | 24.21' | 14.33' | 22.42' | S50°18'18"W | 77°03'22" |
| C2 | 18.00' | 24.28' | 14.39' | 22.48' | S52°32'33"E | 77°16'47" |
| C3 | 516.00' | 60.12' | 30.10' | 60.09' | N85°29'43"E | 6°40'34" |
| C4 | 484.00' | 56.26' | 28.16' | 56.23' | N85°29'15"E | 6°39'37" |
| C5 | 484.00' | 57.30' | 28.68' | 57.27' | S85°32'56"W | 6°47'00" |
| C6 | 516.00' | 61.09' | 30.58' | 61.05' | S85°32'56"W | 6°47'00" |
| C7 | 30.00' | 47.12' | 30.00' | 42.43' | N46°03'34"W | 90°00'00" |
| C8 | 30.00' | 47.12' | 30.00' | 42.43' | S43°56'26"W | 90°00'00" |
| C9 | 30.00' | 47.12' | 30.00' | 42.43' | N46°03'34"W | 90°00'00" |
| C10 | 30.00' | 47.12' | 30.00' | 42.43' | S43°56'26"W | 90°00'00" |
| C11 | 500.00' | 59.20' | 29.63' | 59.16' | N85°32'56"E | 6°47'00" |
| C12 | 500.00' | 59.20' | 29.63' | 59.16' | S85°32'56"E | 6°47'00" |
| C13 | 500.00' | 59.20' | 29.63' | 59.16' | N85°32'56"W | 6°47'00" |

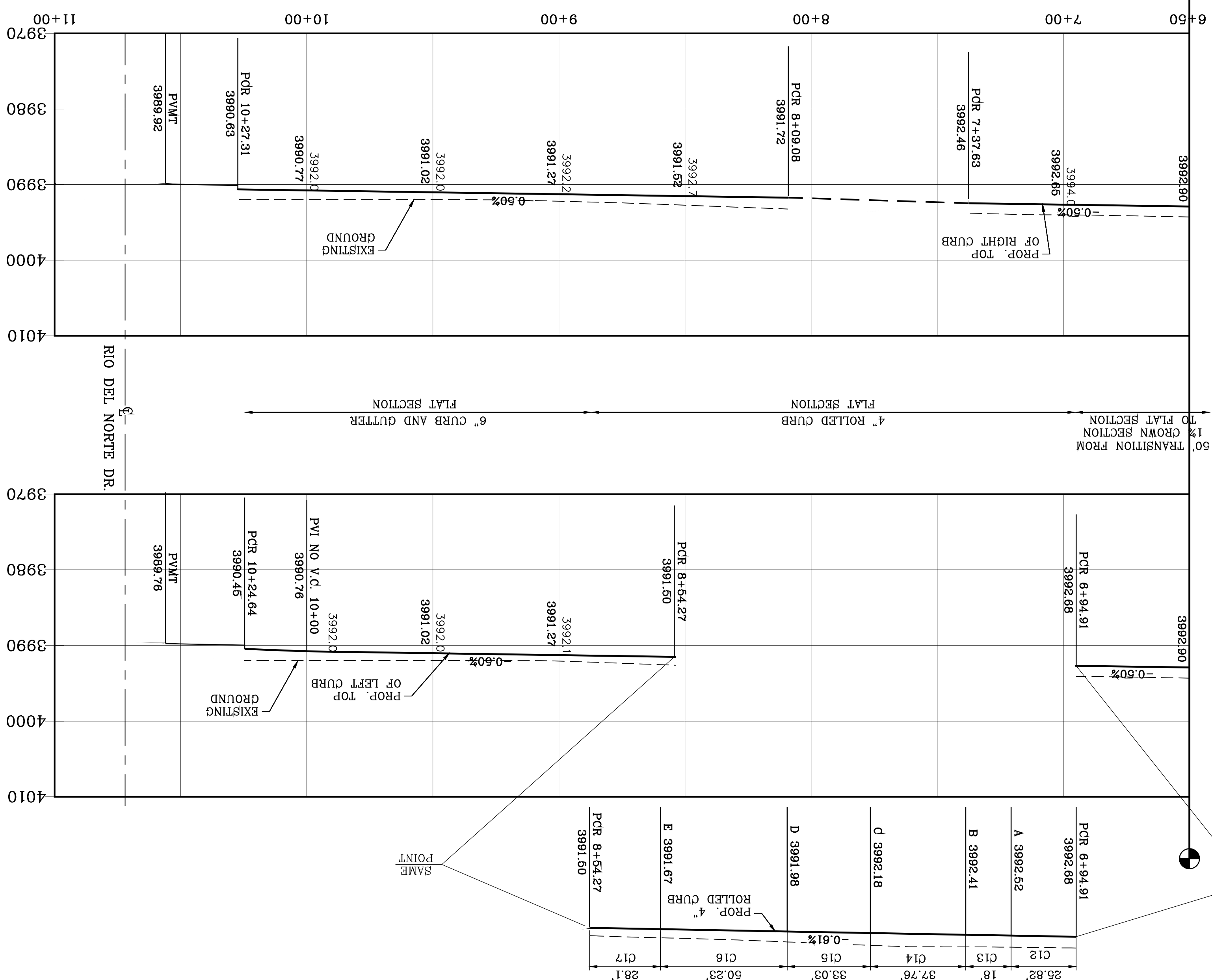


NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



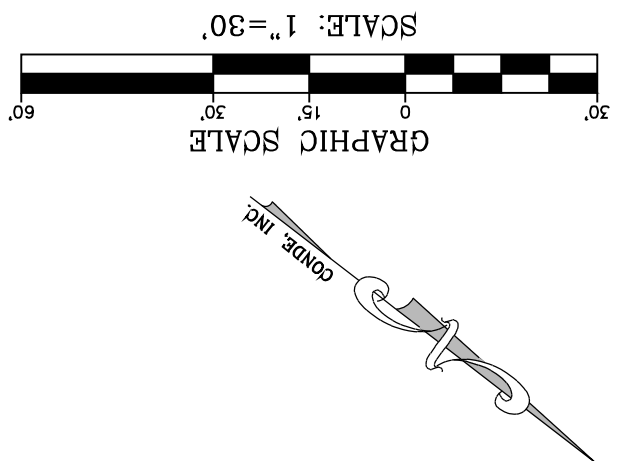
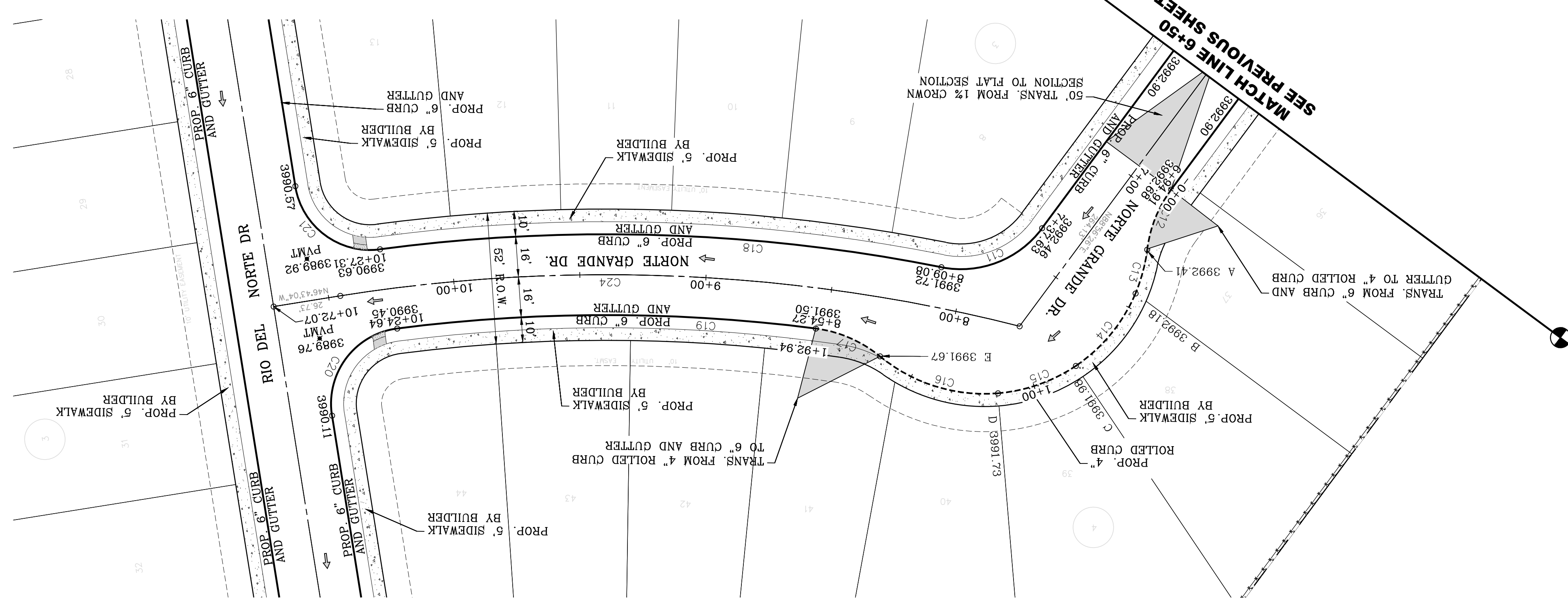
BENCHMARK
 REQUIRED BY OTHER LOCATED 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 146577.18 W. 187.82 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE STATION -4000.41 AND 10 FEET TO O'CONNOR AND 88 DATA AS REFERENCED TO ELEVATION -4000.41 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/RAILROAD INTERCEPTOR PLANS NO. 419890/20

MATCH LINE
6+50 SEE
PREVIOUS
SHEET



CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|-------------|-----------|
| C11 | 40.00' | 45.12' | 25.30' | 42.77' | N58°44'29"W | 64°38'10" |
| C12 | 50.00' | 25.82' | 13.21' | 25.54' | N74°08'40"E | 29°35'31" |
| C13 | 65.00' | 18.00' | 9.06' | 17.94' | S67°16'56"W | 15°52'02" |
| C14 | 65.00' | 37.76' | 19.43' | 37.23' | N88°08'31"W | 33°17'05" |
| C15 | 65.00' | 33.03' | 16.88' | 32.67' | N56°56'36"W | 29°06'45" |
| C16 | 65.00' | 50.23' | 26.44' | 48.99' | N20°14'55"W | 44°16'37" |
| C17 | 50.00' | 28.10' | 14.43' | 27.73' | S14°12'29"E | 32°11'44" |
| C18 | 663.00' | 223.46' | 112.74' | 222.47' | S35°47'47"E | 18°44'45" |
| C19 | 651.00' | 166.27' | 83.59' | 165.82' | S37°37'22"E | 14°38'03" |
| C20 | 30.00' | 48.05' | 30.95' | 43.08' | N89°10'16"E | 91°46'41" |
| C21 | 30.00' | 46.31' | 29.20' | 41.85' | N05°56'37"W | 88°27'05" |
| C24 | 667.00' | 271.26' | 137.53' | 269.40' | S35°04'02"E | 23°18'05" |



- LEGEND
- AS-BUILT ELEVATION
 - FLOW DIRECTION
 - HIGH POINT
 - LOW POINT
 - DIRECTIONAL RAMP

NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 25 OF 83

NORTE GRANDE DR. STA: 6+50 TO STA: 10+72.07

CONDE INC. REGISTRATION NO. 7-2211

ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
YOUNG & RUBICAM
64648
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF TEXAS

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

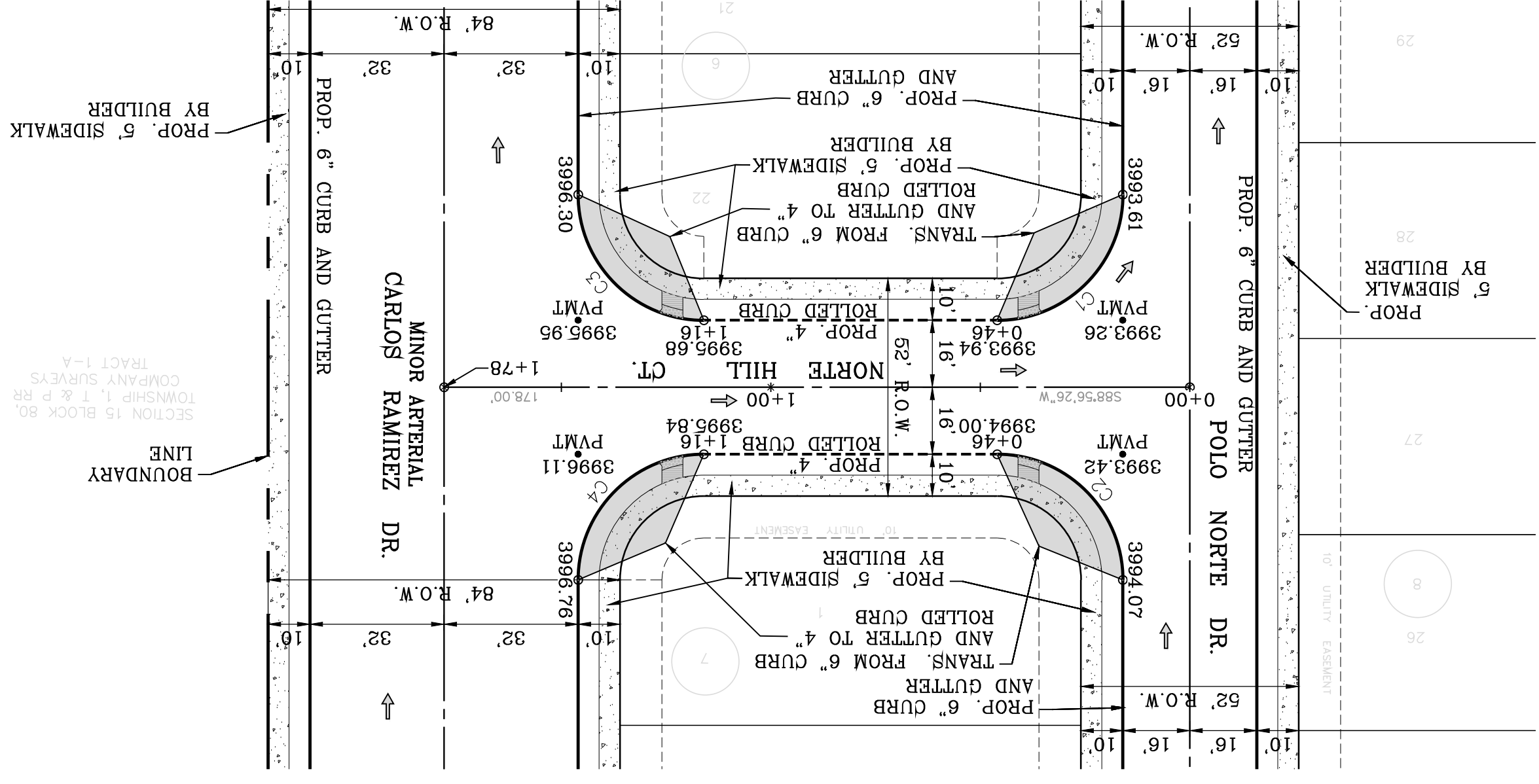
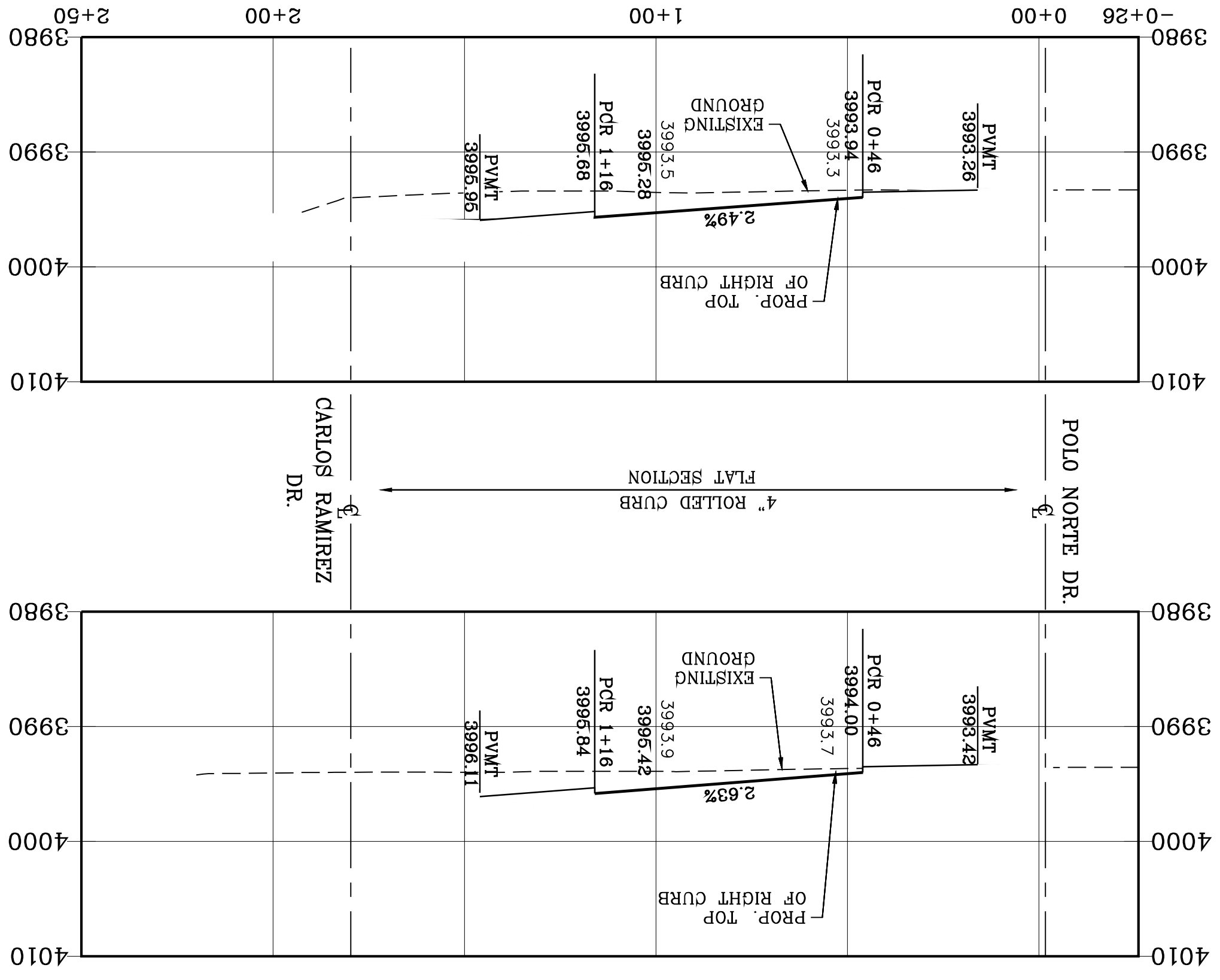
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,86225' ACRES

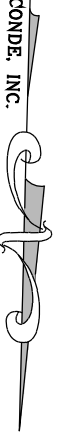
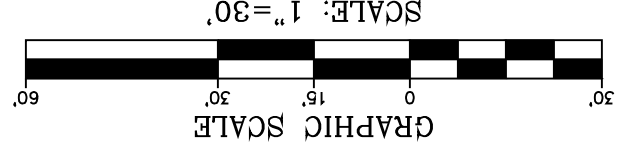
DATE: 11/18/20
BY: F.R.

BY Oscar Villalobos 03/11/2022 DATE



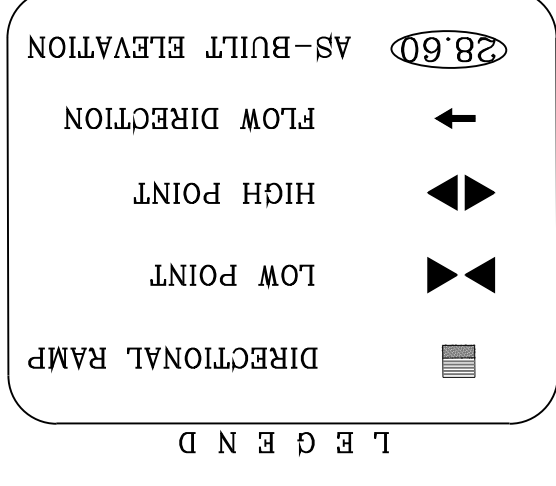


BY Oscar Villalobos
DATE 03/11/2022



CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|-------------|-------------|-----------|
| C1 | 30.00' | 47.12' | 42.43' | 54.3562626" | N43°56'26"E | 90°00'00" |
| C2 | 30.00' | 47.12' | 42.43' | 54.6033347" | N46°03'34"E | 90°00'00" |
| C3 | 30.00' | 47.12' | 42.43' | 42.43' | N46°03'34"E | 90°00'00" |
| C4 | 30.00' | 47.12' | 42.43' | 42.43' | N43°56'26"E | 90°00'00" |



NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 26 OF 83

NORTE HILLS CT.
STA: 0+00 TO STA: 1+78

SHEET TITLE

CONDE INC.
REGISTRATION NO. F-2221

ENGINEERING / PLANNING
SURVEYING / GPS
6080 SUFETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL

S C A L E
HORIZ: 1" = 30'
VERT: 1" = 10'

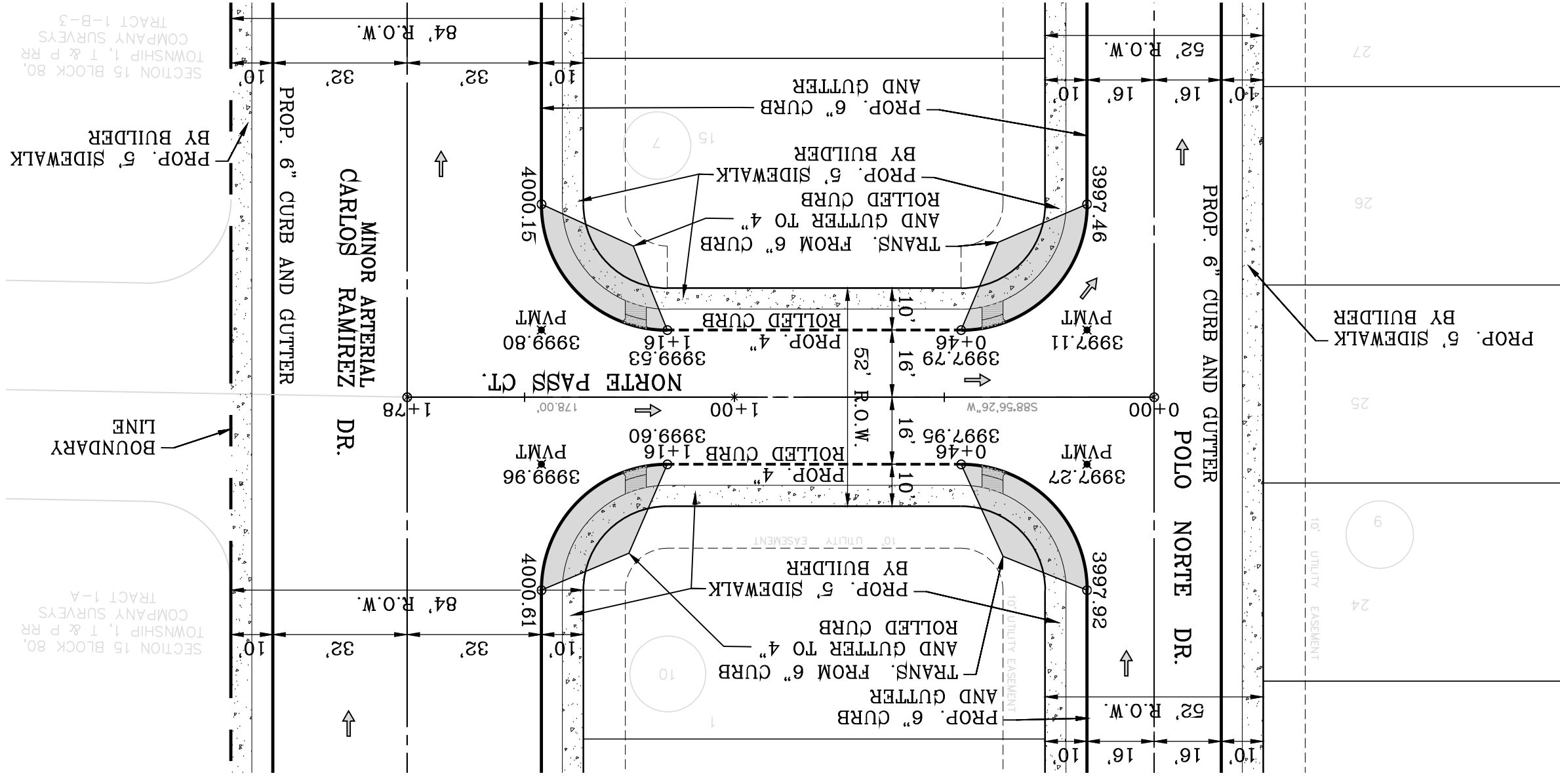
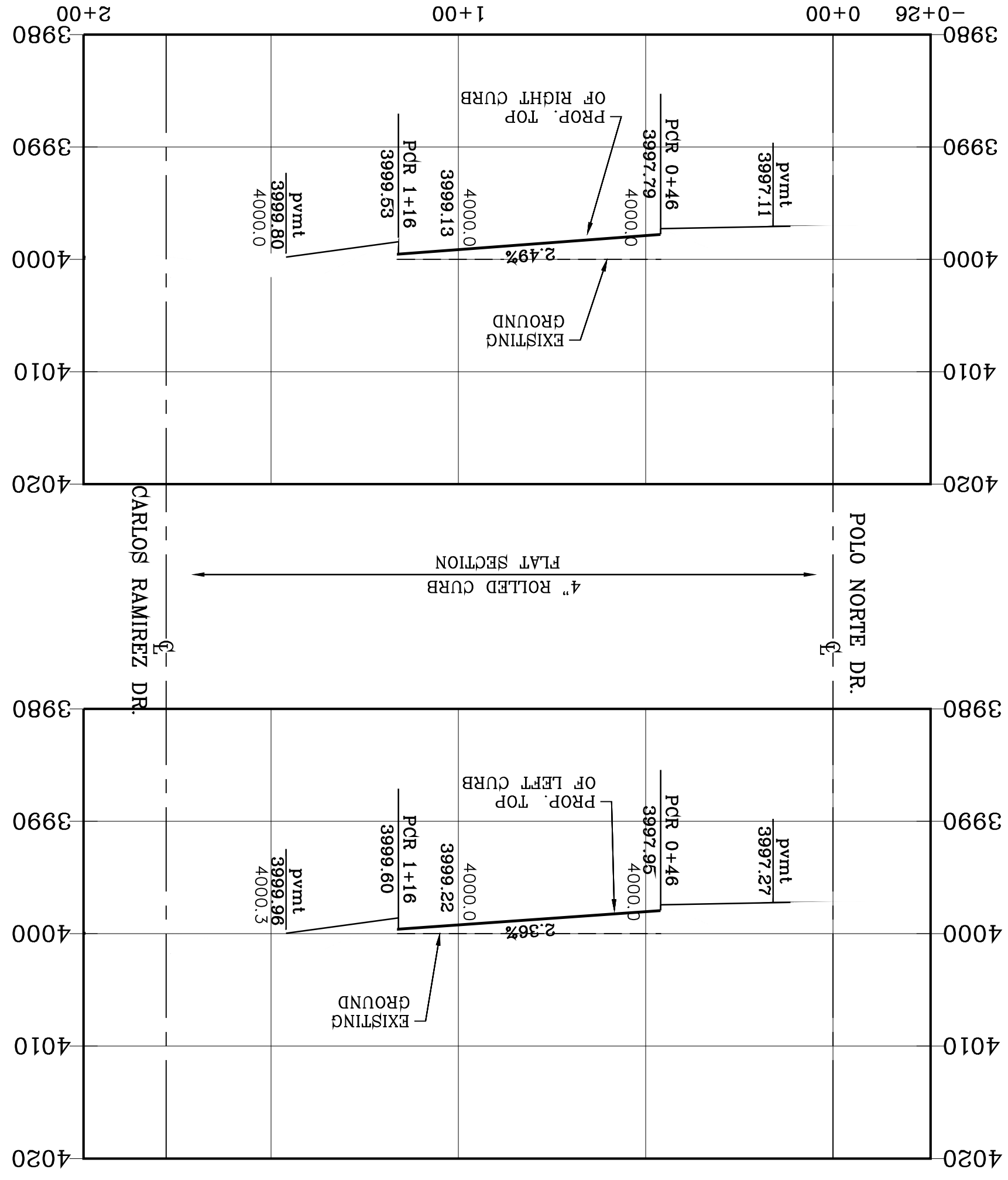
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

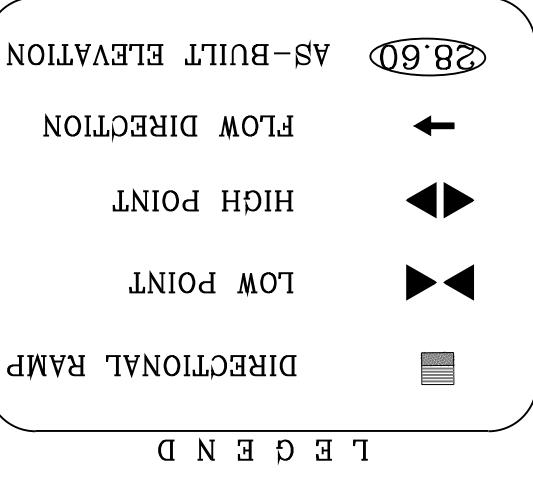
BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 128,822± ACRES

BENCHMARK
1/2" BEARING PAPER POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N15°58'39.2980" LONGITUDE: 106°23'28.6012" ELEVATION: 4004.41. ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83. BENCHMARK DATA SHOWN ON THE NORTHWEST CORNER/RAILROAD INTERCEPTOR PLANS.

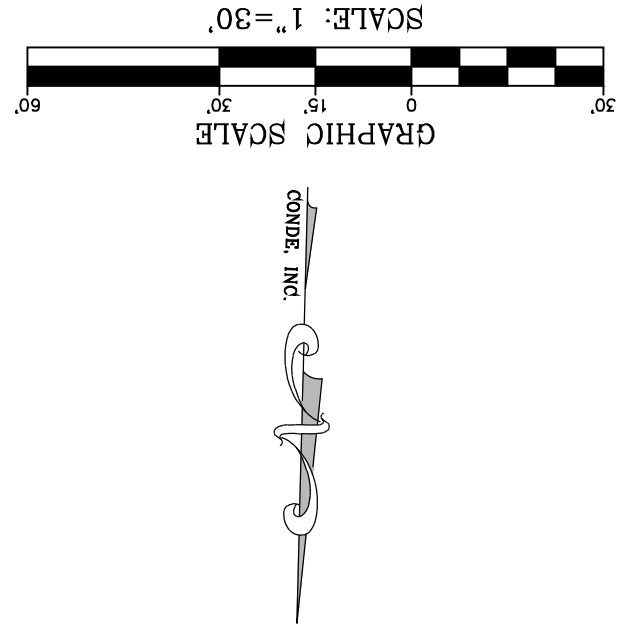
BY _____ DATE _____



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C1 | 30.00' | 47.12' | 30.00' | 42.43' | S43°56'26"W | 90°00'00" |
| C2 | 30.00' | 47.12' | 30.00' | 42.43' | S46°03'34"E | 90°00'00" |
| C3 | 30.00' | 47.12' | 30.00' | 42.43' | N46°03'34"W | 90°00'00" |
| C4 | 30.00' | 47.12' | 30.00' | 42.43' | N43°56'26"E | 90°00'00" |



NOTE: ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

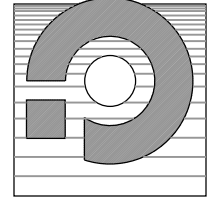


SHT 27 OF 83

NORTE PASS
CT.
STA: 0+00 TO
STA: 1+78

SHEET TITLE

CONDE INC.
REGISTRATION NO. F-2211



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



ENGINEER'S SEAL

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME

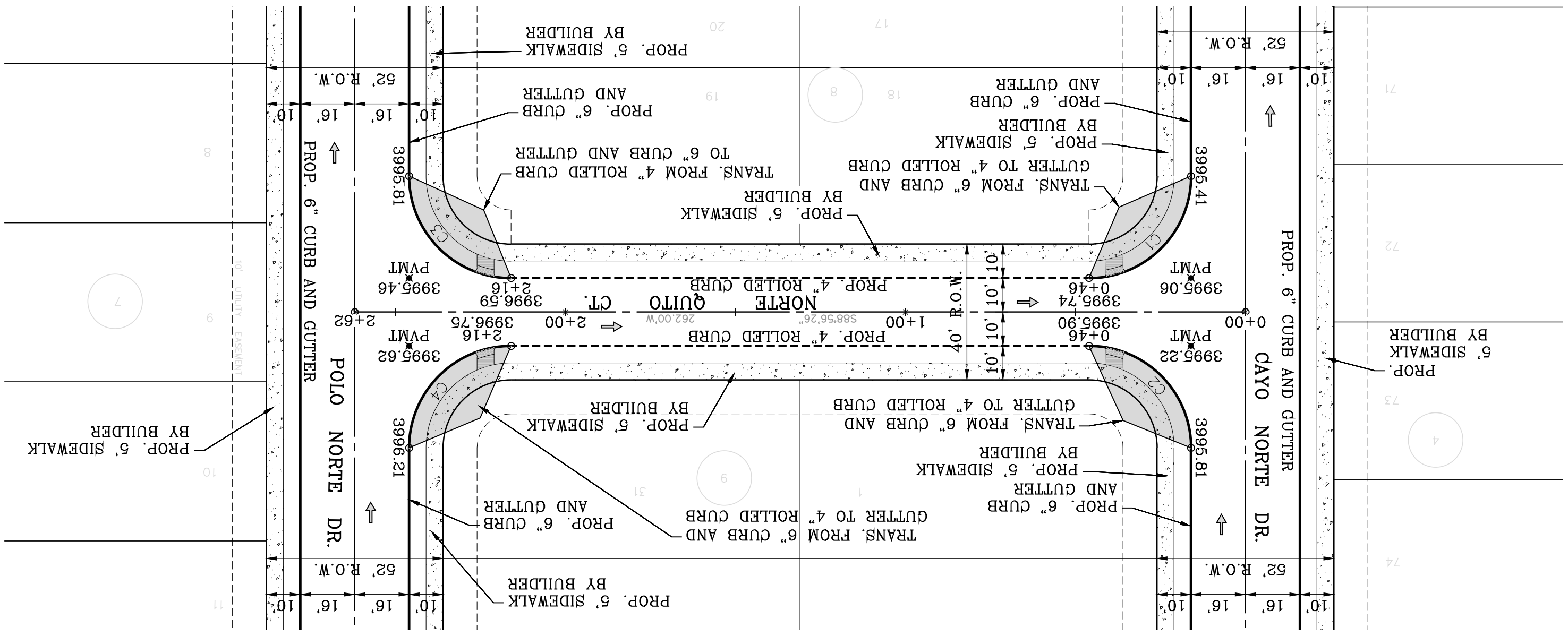
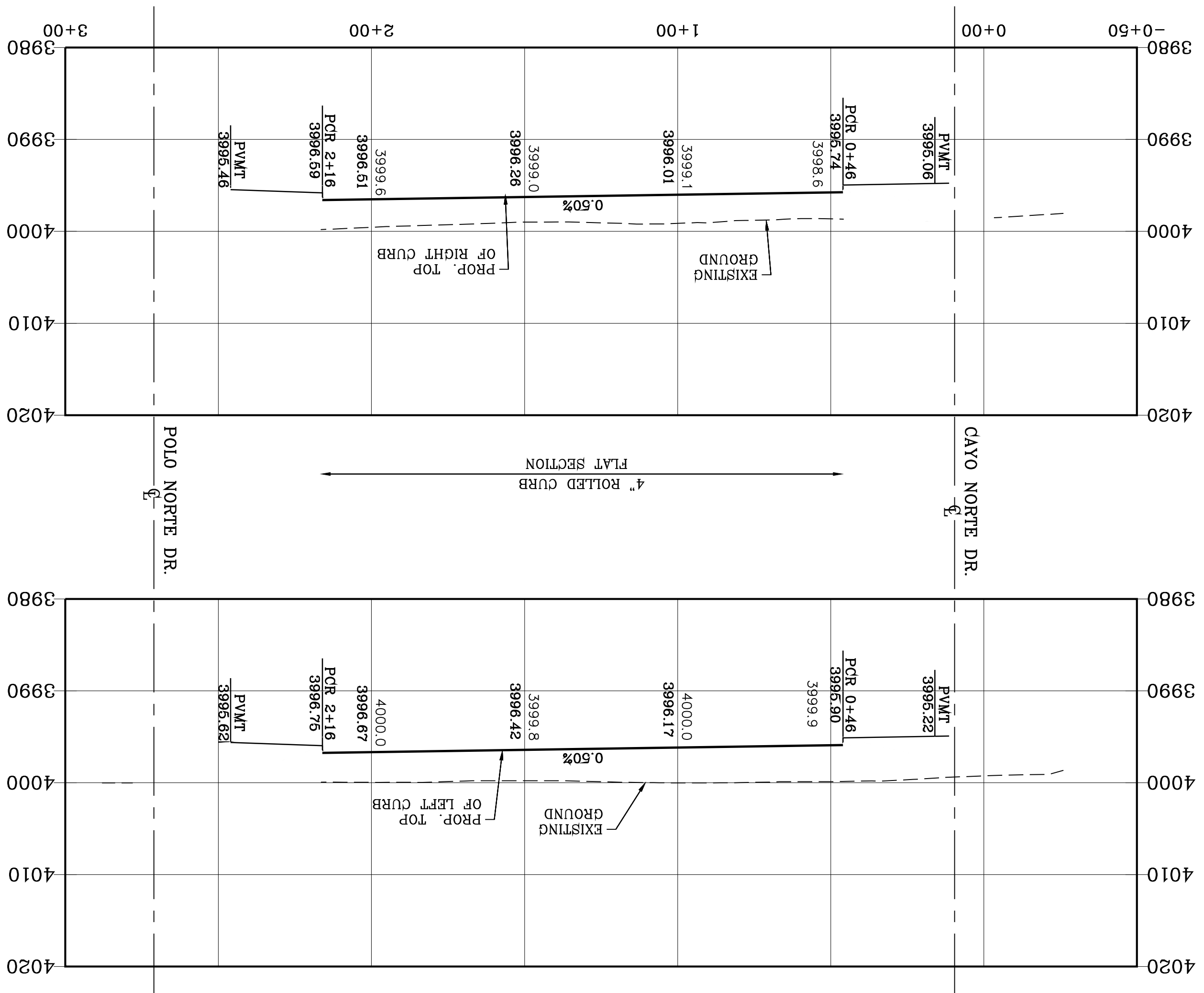
VISTA DEL NORTE ESTATES UNIT TWO
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, CONTAINING: 128,8622# ADRES

BENCHMARK
1/2" BEARER PANEL POINT FROM PROPOSED POINT LOCATED N46°57'18"W-187.82 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N31°58'39.7980" LONGITUDE: 106°3'28.8012" ELEVATION=4004.41 ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAVD 83 DATUM. POINT IS SHOWN ON THE BENCHMARK DATA SHEET NO. 41989076. NORTHEAST DYER/RAILROAD INTERCEPTOR PLANS REVISIONS

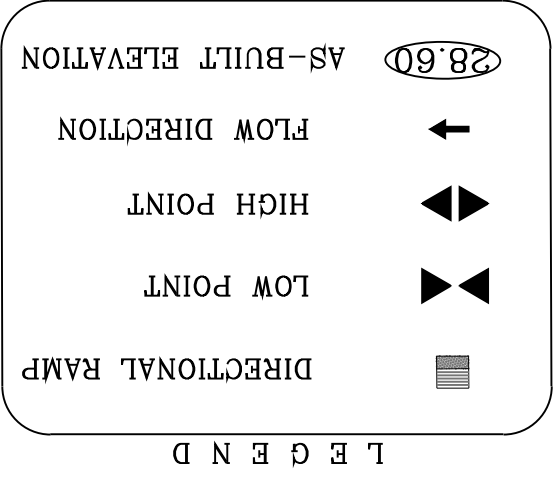
BY Oscar Villalobos
DATE 03/11/2022



VISTA DEL NORTE ESTATES UNIT TWO



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|---------------|---------|-------|
| C1 | 30.00' | 47.12' | 42.43' | S43°56'26\"/> | | |



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



Oscar Villalobos
 DATE _____ BY _____
 03/11/2022



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

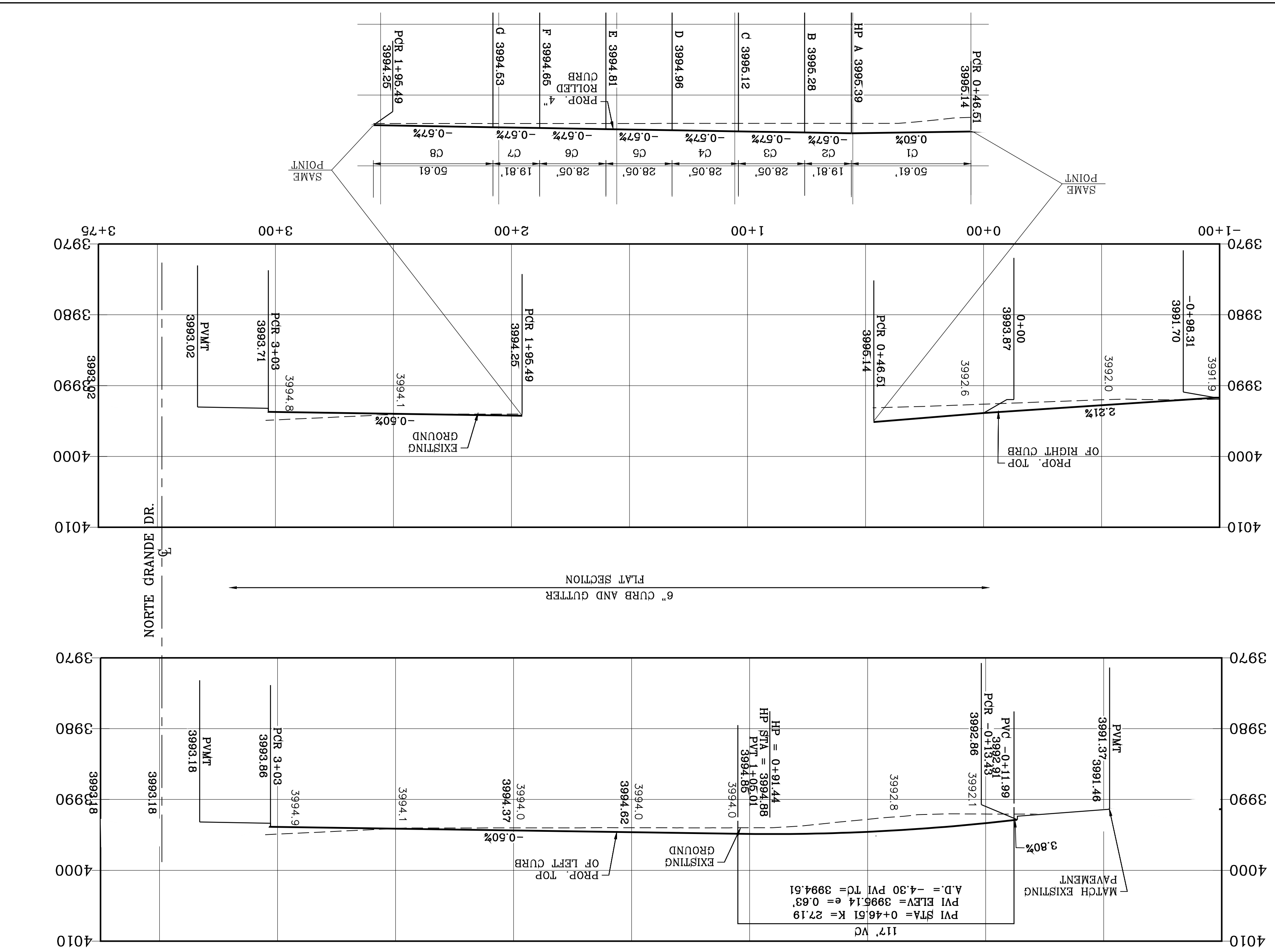
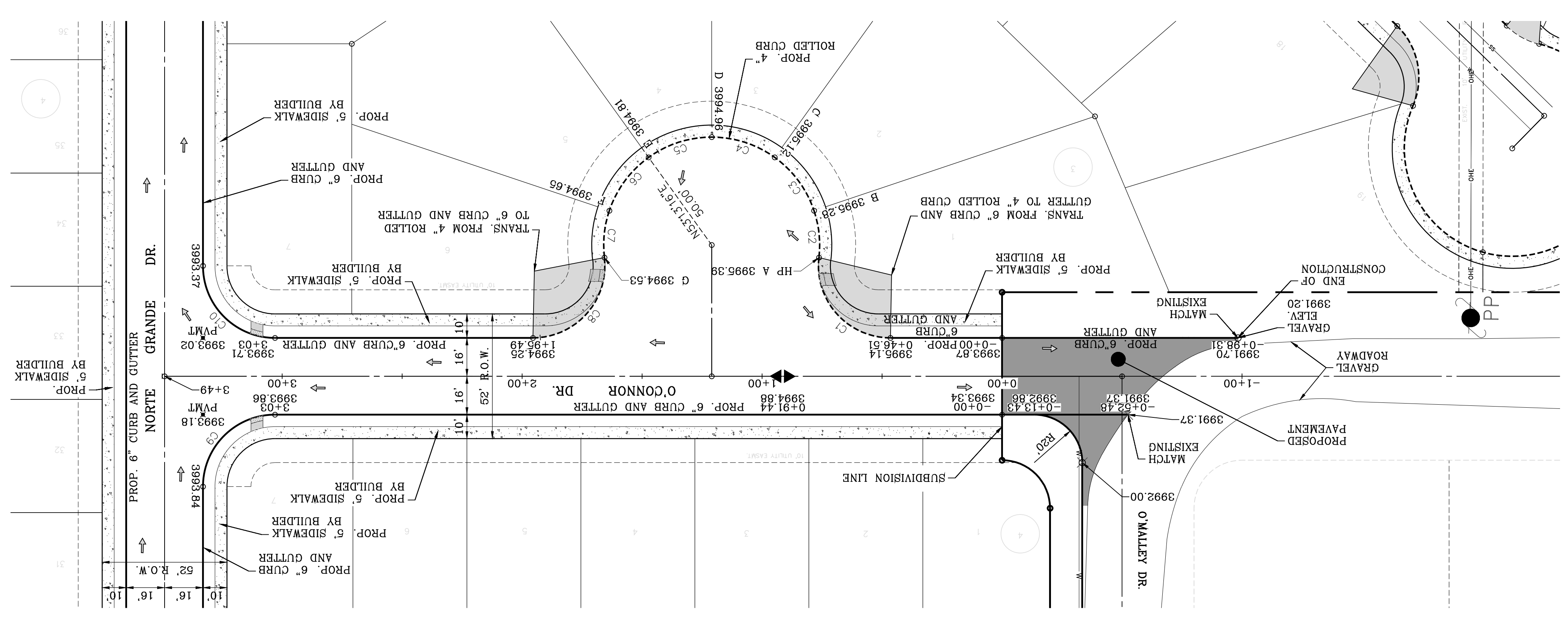


SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

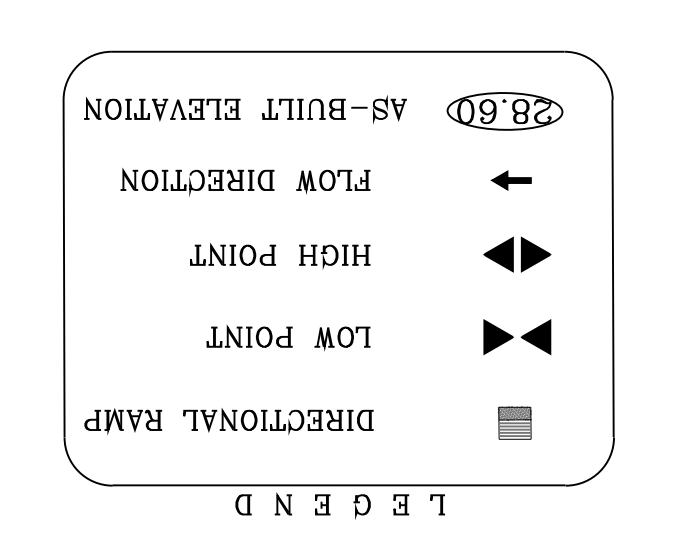
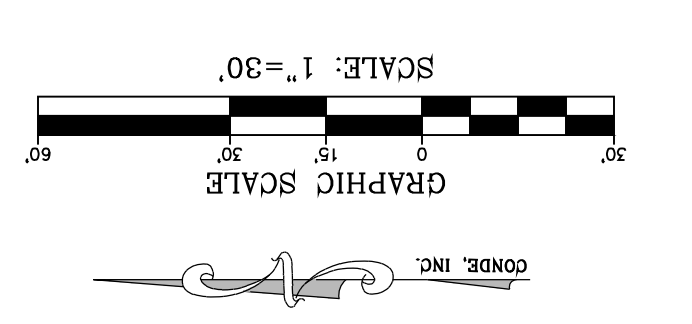
PROJECT NAME
 VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80 OF TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 128,86224 AGRES

| DATE | BY | REVISIONS |
|------|----|-----------|
| | | |



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|------------|-----------|
| C10 | 30.00' | 47.12' | 30.00' | 42.43' | S43.5626°W | 90°00'00" |
| C9 | 30.00' | 47.12' | 30.00' | 42.43' | N46.0334°W | 90°00'00" |
| C8 | 30.00' | 50.61' | 33.71' | 44.82' | S49.2330°E | 96.3935" |
| C7 | 45.00' | 19.81' | 10.07' | 19.65' | N85.0640°W | 251.331" |
| C6 | 45.00' | 28.05' | 14.50' | 27.60' | N54.3820°W | 354.310" |
| C5 | 45.00' | 28.05' | 14.50' | 27.60' | N18.5509°W | 354.310" |
| C4 | 45.00' | 28.05' | 14.50' | 27.60' | N16.4801°E | 354.310" |
| C3 | 45.00' | 28.05' | 14.50' | 27.60' | N52.3111°E | 354.310" |
| C2 | 45.00' | 19.81' | 10.07' | 19.65' | N82.5931°E | 251.331" |
| C1 | 30.00' | 50.61' | 33.71' | 44.82' | S47.1621°W | 96.3935" |
| DELTA | | | | | | |



NOTE: ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 29 OF 83

O'CONNOR DR. STA: 0+00 TO STA: 3+49

DATE _____ BY Oscar Villalobos 03/11/2022

CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6080 SURETY DR. STE 100 EL PASO, TEXAS 79905 PHONE: (915) 592-0283 FAX: (915) 592-0286

ENGINEER'S SEAL: OSCAR VILLALOBOS, CIVIL ENGINEER, LICENSE NO. 64648, STATE OF TEXAS

SCALE: HORIZ: 1" = 30', VERT: 1" = 10'

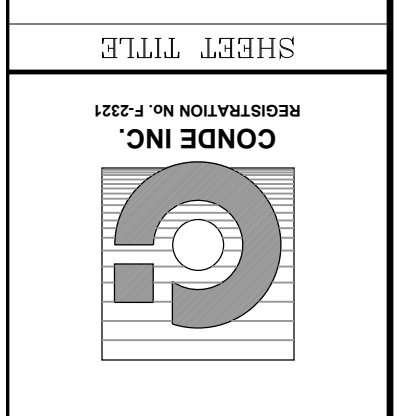
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME: VISTA DEL NORTE ESTATES UNIT TWO

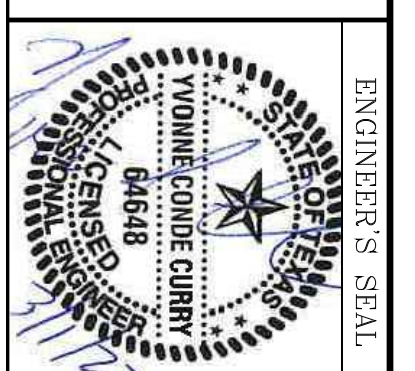
BENCHMARK: 1/2" BEARING PINE POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. BENCHMARK ELEVATION: 3991.20. ELEVATION POINT: 3991.20. ELEVATION: 3991.20. BENCHMARK DATA SHOWN ON THE NORTHEAST DYER/RAILROAD INTERCEPTOR PLANS.

REVISIONS: 11/18/20

BY: F.R.



CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6080 SURETY DR. STE 100 EL PASO, TEXAS 79905 PHONE: (915) 592-0283 FAX: (915) 592-0286



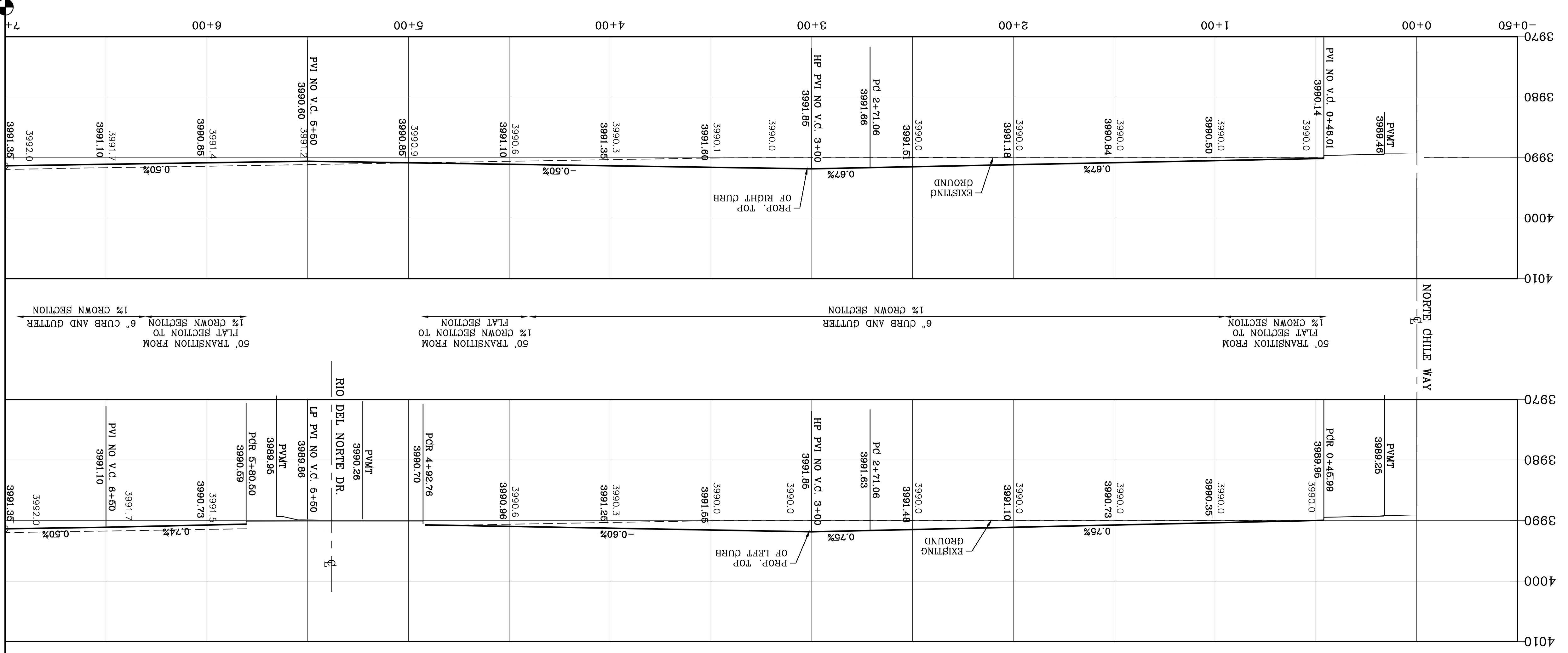
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

VISTA DEL NORTE ESTATES UNIT TWO

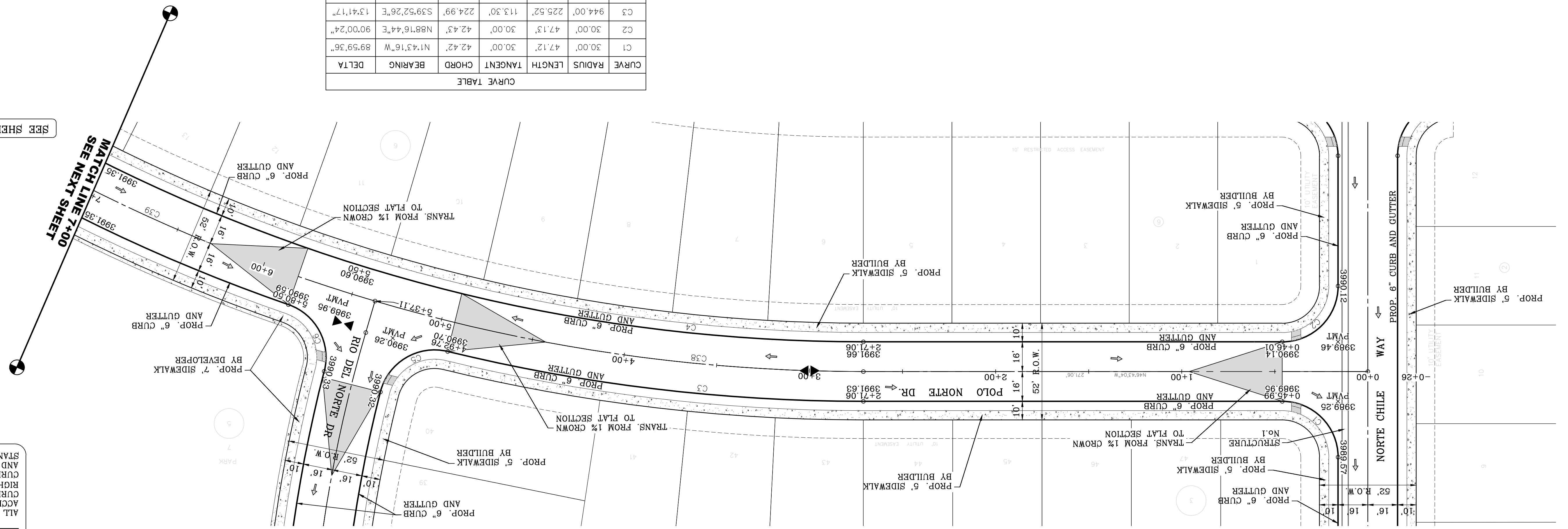
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80 OF TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS, CONTAINING 128.8622± ACRES

DATE: 11/18/20

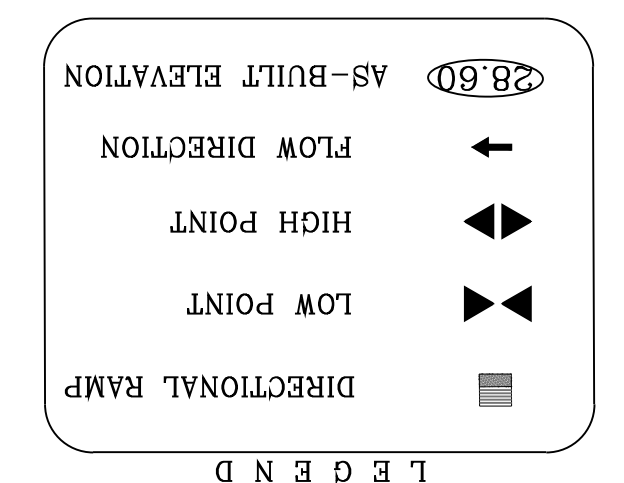
BY: F.R.



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|--------------|-------------|
| C1 | 30.00' | 47.12' | 30.00' | 42.42' | N14.3°16'W | 89.59°36.2' |
| C2 | 30.00' | 47.13' | 30.00' | 42.43' | N88.16°44'E | 90.00°24.4' |
| C3 | 944.00' | 225.52' | 113.30' | 224.99' | S39.52°26'E | 134.17° |
| C4 | 912.00' | 726.76' | 383.92' | 707.68' | S23.53°19'E | 45.39°30.0' |
| C5 | 30.00' | 46.85' | 29.73' | 42.23' | N74.6°16'W | 89.28°58.8' |
| C6 | 30.00' | 44.69' | 27.66' | 40.67' | N15°03'51"E | 85.2°11.1' |
| C7 | 944.00' | 206.28' | 103.55' | 205.87' | S21.2°10'8"E | 12.3°12.1' |
| C38 | 928.00' | 266.05' | 133.94' | 265.14' | S38.3°01'7"E | 16.2°35.34" |
| C39 | 928.00' | 289.64' | 146.01' | 288.46' | S21.2°10'2"E | 17.5°25.7" |



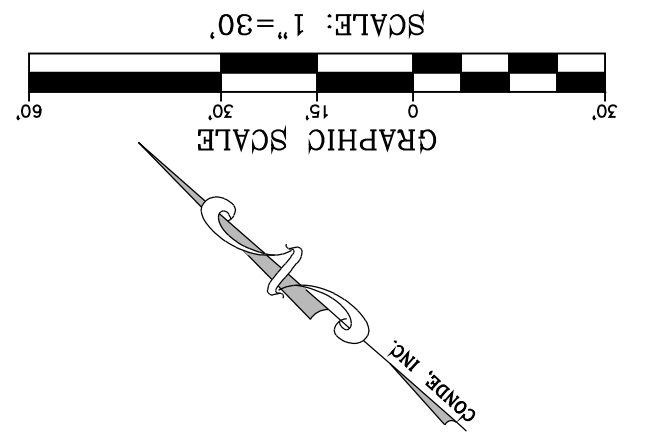
SEE SHEET 67 FOR DRAINAGE STRUCTURE #1



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/FAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

MATCH LINE 7+00
 SEE NEXT SHEET

MATCH LINE 7+00
 SEE NEXT SHEET



BY Oscar Villalobos
 DATE 03/11/2022

SHT 30 OF 83
 POLO NORTE DR.
 STA: 0+00 TO 7+00



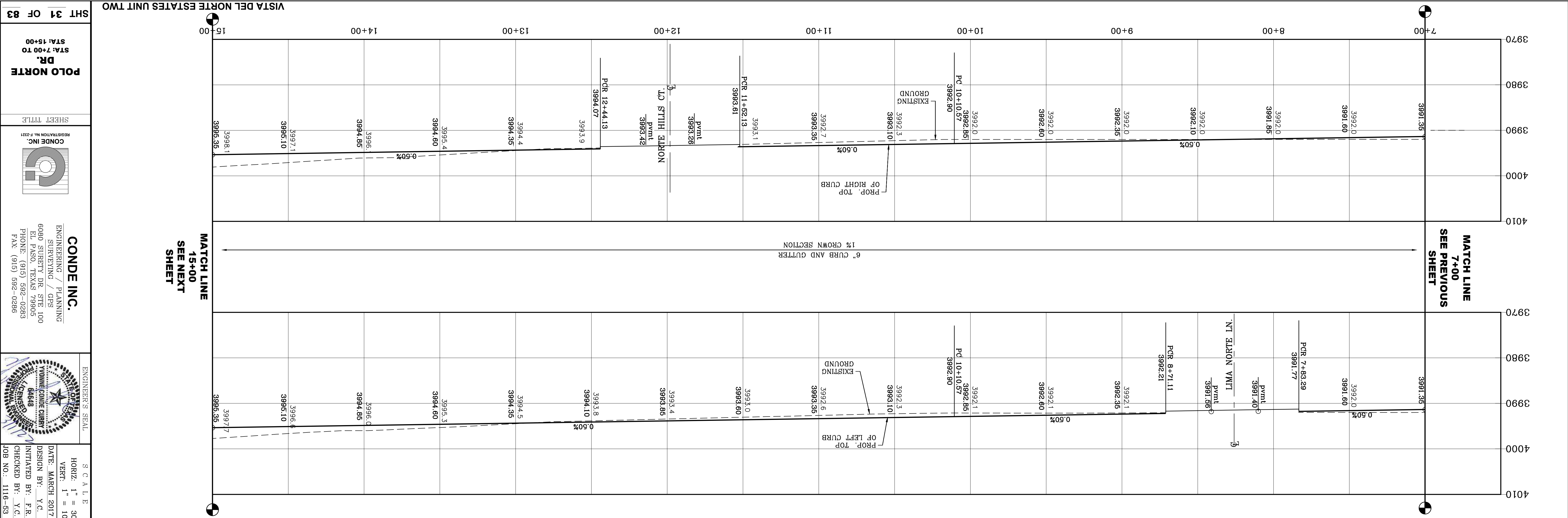
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS COUNTY, TEXAS, CONTAINING: 128,822± ACRES

BENCHMARK REQUIRED BY OTHER LOCATED 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 146°57'18"W-187°28' FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION=4004.41 AND 10 FEET TO OBTAIN NAD 88 DATUM AS REFERENCED TO NAD 83 ELEVATION=4013.2 PER BENCHMARK DATA SHOWN ON THE NORTHWEST DEER/RAILROAD INTERCHANGE PLANS
 REVISIONS
 DATE 11/18/20
 CITY REDLINES AS PER 11/06/20 COMMENTS
 BY F.R.



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|----------|
| C6 | 30.00 | 44.69 | 27.66 | 40.67 | N15.03°51"E | 85.2111" |
| C7 | 944.00 | 206.28 | 103.55 | 205.87 | S21.21°08"E | 12.3112" |
| C8 | 30.00 | 44.26 | 27.27 | 40.36 | N57.21°42"W | 84.3219" |
| C9 | 30.00 | 47.67 | 30.55 | 42.81 | N35.50°54"E | 91.0211" |
| C10 | 944.00 | 141.86 | 71.06 | 141.73 | S5.21°53"E | 8.3637" |
| C11 | 30.00 | 47.12 | 30.00 | 42.43 | S45.56°26"W | 90.0000" |
| C12 | 30.00 | 47.12 | 30.00 | 42.43 | S45.03°34"E | 90.0000" |
| C39 | 928.00 | 289.64 | 146.01 | 288.46 | S21.21°02"E | 17.5257" |
| C40 | 928.00 | 183.83 | 92.22 | 183.53 | S6.44°04"E | 11.2059" |



BY Oscar Villalobos DATE 03/11/2022

POLO NORTE DR.
STA: 7+00 TO STA: 15+00
SHT 31 OF 83

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,822± ACRES

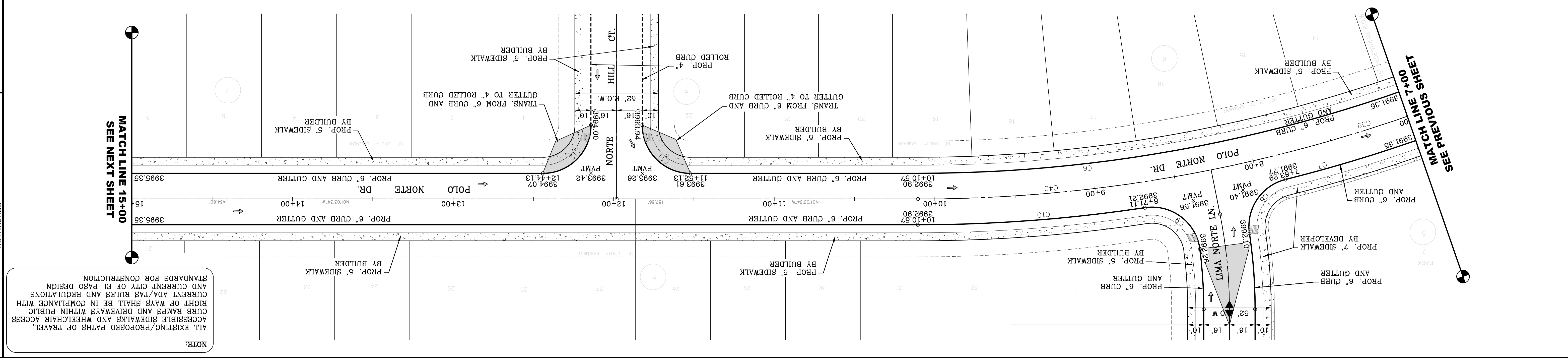
REVISIONS
DATE: 11/18/20
BY: F.R.
CITY REDLINES AS PER 11/06/20 COMMENTS

LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP

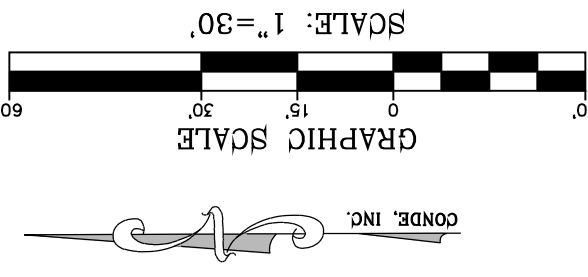
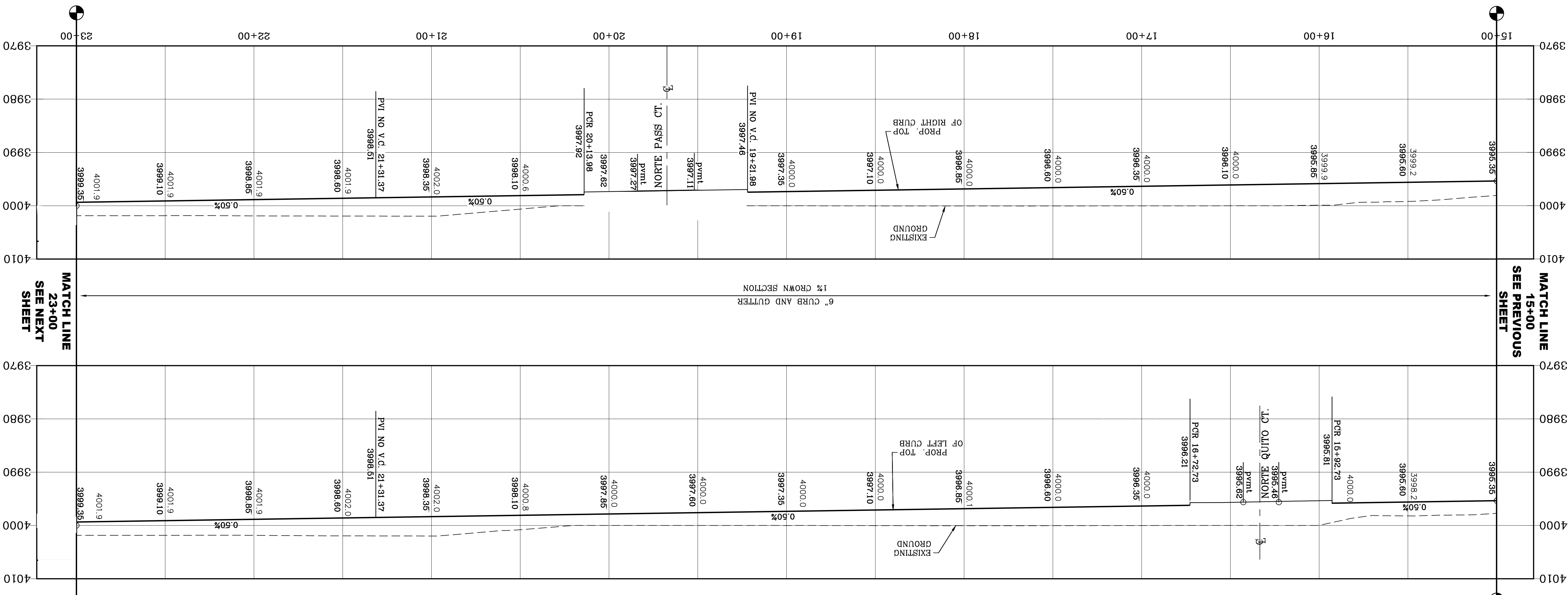
GRAPHIC SCALE: 1" = 30'

CONDE, INC.

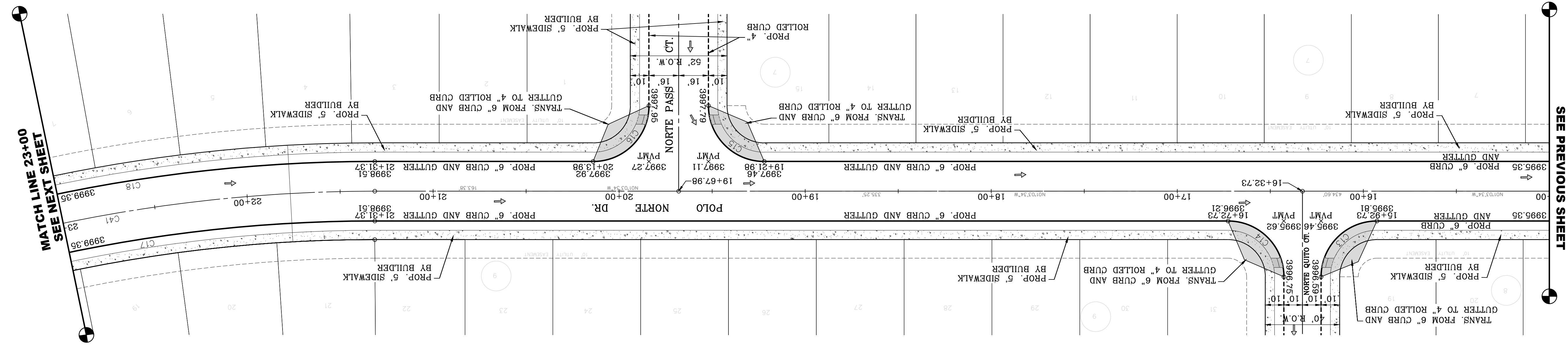
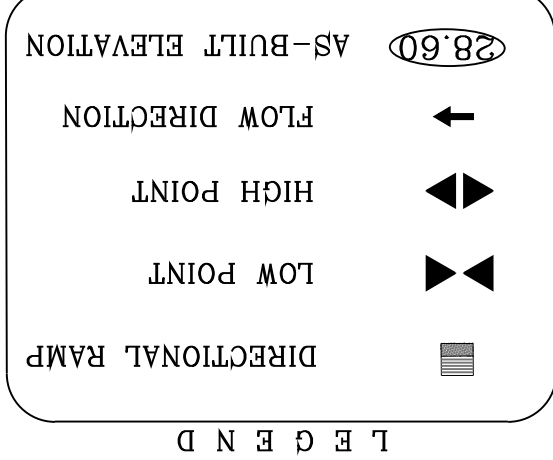


NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

MATCH LINE 15+00
SEE PREVIOUS SHEET



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|-------------|-----------|
| C13 | 30.00' | 47.12' | 30.00' | 42.43' | N46°03'34"W | 90°00'00" |
| C14 | 30.00' | 47.12' | 30.00' | 42.43' | N43°56'26"W | 90°00'00" |
| C15 | 30.00' | 47.12' | 30.00' | 42.43' | S43°56'26"W | 90°00'00" |
| C16 | 30.00' | 47.12' | 30.00' | 42.43' | S46°03'34"E | 90°00'00" |
| C17 | 806.00' | 310.19' | 157.04' | 308.28' | N12°05'05"W | 22°03'01" |
| C18 | 838.00' | 590.87' | 308.32' | 578.71' | N21°53'3"W | 40°23'58" |
| C41 | 822.00' | 365.10' | 185.61' | 362.11' | N13°47'02"W | 25°26'55" |



BY Oscar Villalobos
DATE 03/11/2022

NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SUFREY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

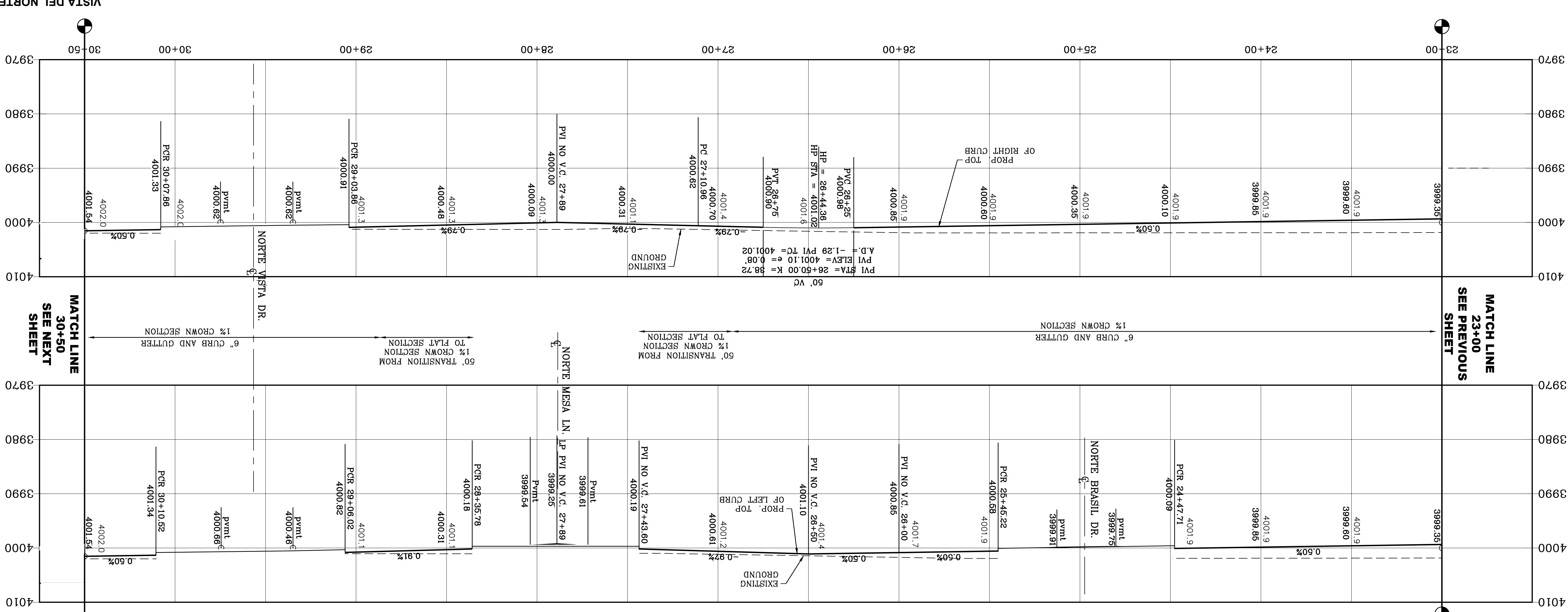
BENCHMARK
1.75" BEARER PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO
ELEVATION=4004.41 AND 10FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83
ELEVATION=4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DIVER/RAILROAD INTERCEPTOR PLANS

REVISIONS

| DATE | BY | CITY REDLINES AS PER 11/06/20 COMMENTS |
|----------|------|--|
| 11/18/20 | F.R. | |

SHT 32 OF 83
STA: 15+00 TO STA: 23+00
DR. POLO NORTE
SHEET TITLE
CONDE INC.
REGISTRATION NO. F-2221

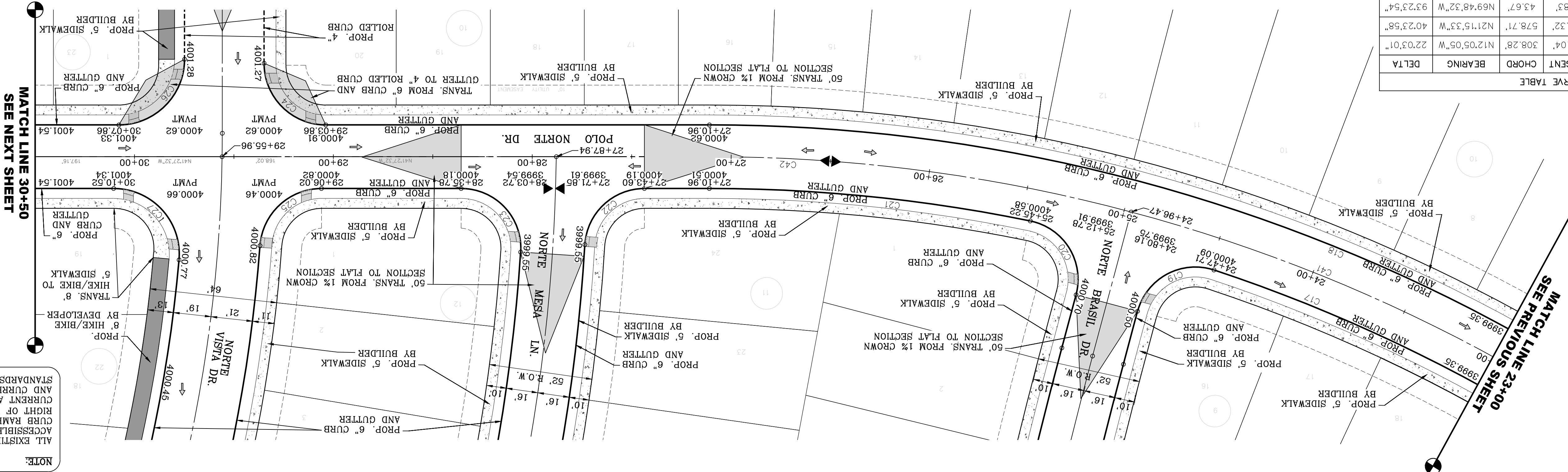
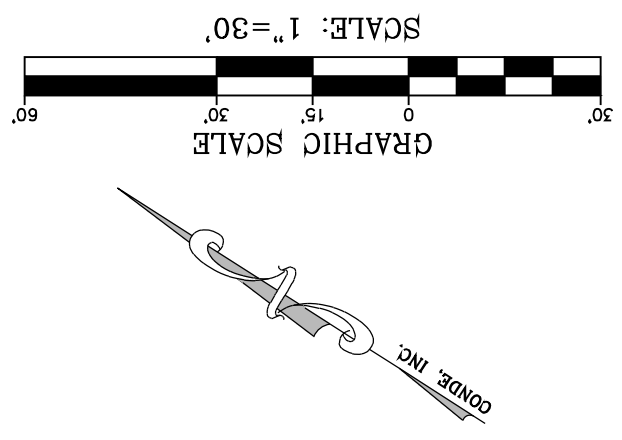
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|------------|
| C17 | 806.00 | 310.19 | 157.04 | 308.28 | N12°05'05"W | 22.03°01' |
| C18 | 838.00 | 590.87 | 308.32 | 578.71 | N21°15'33"W | 40°23'58" |
| C19 | 30.00 | 48.90 | 31.83 | 43.67 | N69°48'32"W | 93°23'54" |
| C20 | 30.00 | 48.90 | 31.83 | 43.67 | N16°47'34"E | 93°23'54" |
| C21 | 806.00 | 162.51 | 81.53 | 162.24 | N35°40'58"W | 113°33'08" |
| C22 | 30.00 | 45.32 | 28.25 | 41.13 | N84°44'23"W | 86°33'41" |
| C23 | 30.00 | 49.11 | 32.06 | 43.81 | N5°26'31"E | 93°48'06" |
| C24 | 31.00 | 48.69 | 31.00 | 43.84 | S3°32'28"W | 90°00'00" |
| C25 | 31.00 | 46.42 | 28.80 | 42.20 | N84°21'21"W | 85°47'39" |
| C26 | 33.00 | 51.84 | 33.00 | 46.67 | S86°27'32"E | 90°00'00" |
| C27 | 33.00 | 54.72 | 36.01 | 48.66 | N6°02'26"E | 94°59'55" |
| C28 | 822.00 | 365.10 | 185.61 | 362.11 | N13°47'02"W | 25°26'55" |
| C29 | 822.00 | 213.88 | 107.86 | 213.88 | N33°59'01"W | 14°57'03" |



MATCH LINE 30+50
SEE NEXT SHEET

MATCH LINE 23+00
SEE PREVIOUS SHEET

DATE 03/11/2022 BY Oscar Villalobos



MATCH LINE 30+50
SEE NEXT SHEET

MATCH LINE 23+00
SEE PREVIOUS SHEET

- LEGEND
- AS-BUILT ELEVATION
 - FLOW DIRECTION
 - HIGH POINT
 - LOW POINT
 - DIRECTIONAL RAMP

NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 33 OF 83

POLO NORTE DR
STA: 23+00 TO STA: 30+50

SHEET TITLE

CONDE INC.
REGISTRATION NO. F-2221

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

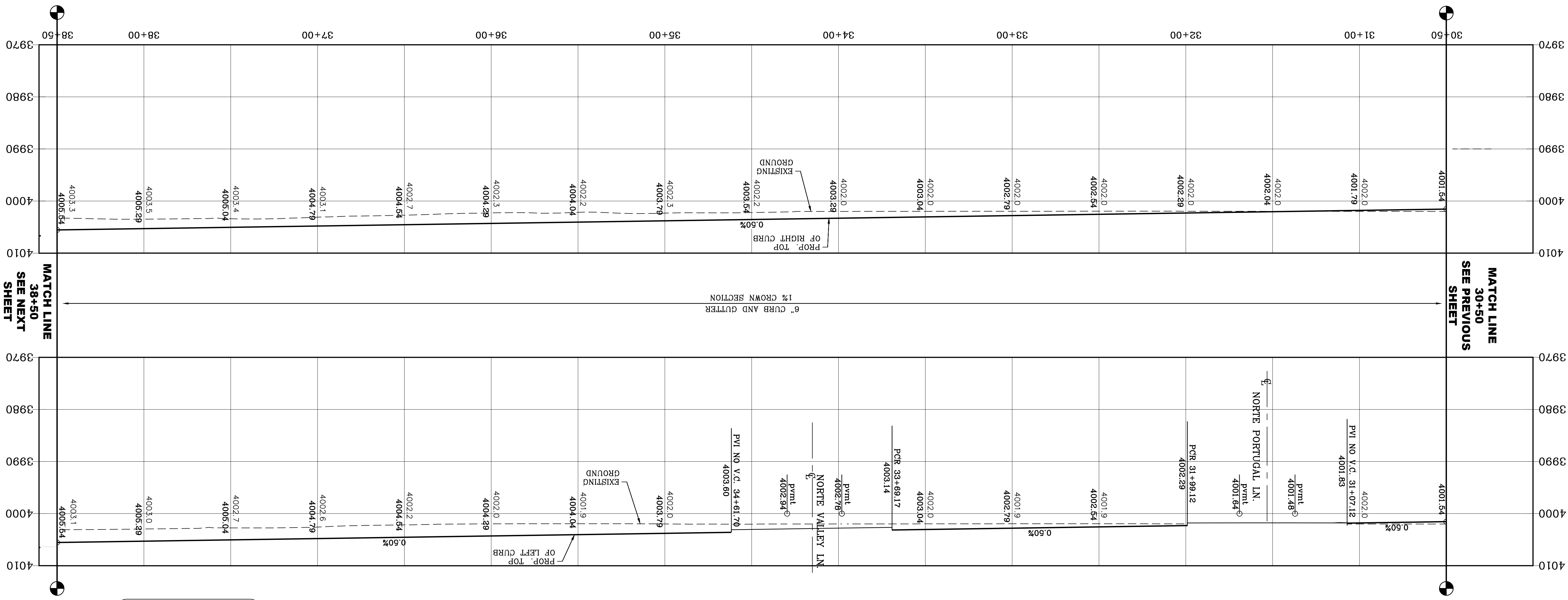
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

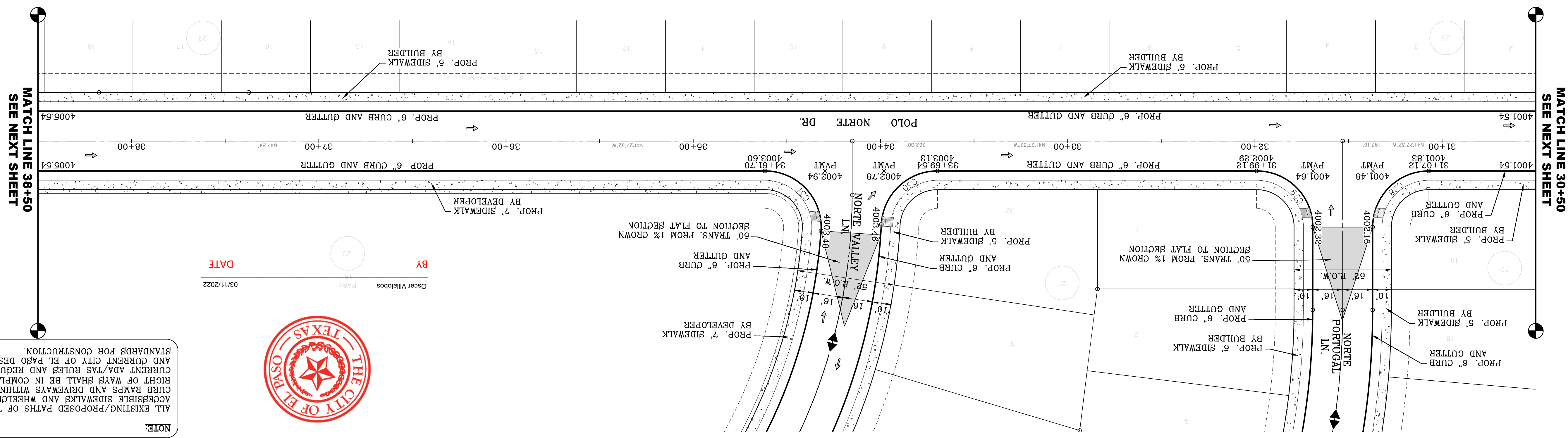
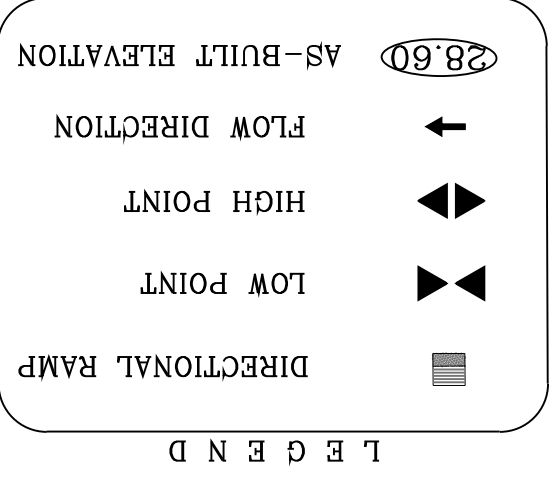
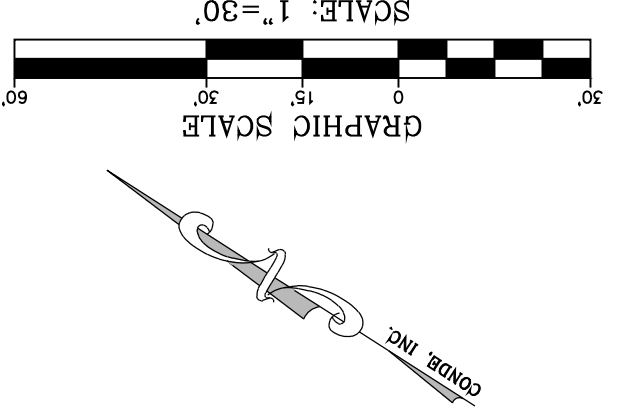
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,8622# ADDRESS

BENCHMARK
1/2" BEARS PANEL POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE 146°57'18"W - 187.82 FEET FROM THE NORTHEAST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N31°58'39.2960" LONGITUDE: 106°29'28.8012" ELEVATION: 4000.41 AND 10 FEET TO ORIGIN AND 88 DATUM AS REFERENCED TO NAD 83. ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/RAILROAD INTERCEPTOR PLANS.

REVISIONS
DATE 11/18/20 BY F.R.



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|-------------|-------------|-----------|
| C28 | 30.00' | 47.12' | 30.00' | 42.43' | N86°27'32"W | 90°00'00" |
| C29 | 30.00' | 47.12' | 30.00' | 42.43' | N33°28'E | 90°00'00" |
| C30 | 30.00' | 45.64' | 41.36' | N85°02'14"W | 87°09'24" | |
| C31 | 30.00' | 49.15' | 32.10' | 43.84' | N52°8'42"E | 93°52'28" |



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 34 OF 83

POLO NORTE DR.
 STA. 30+50 TO STA. 38+50

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 YVONNE CONDE CURRY
 64648
 LICENSED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF TEXAS

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
 DESIGN BY: Y.C.
 CHECKED BY: F.R.
 JOB NO.: 1116-53

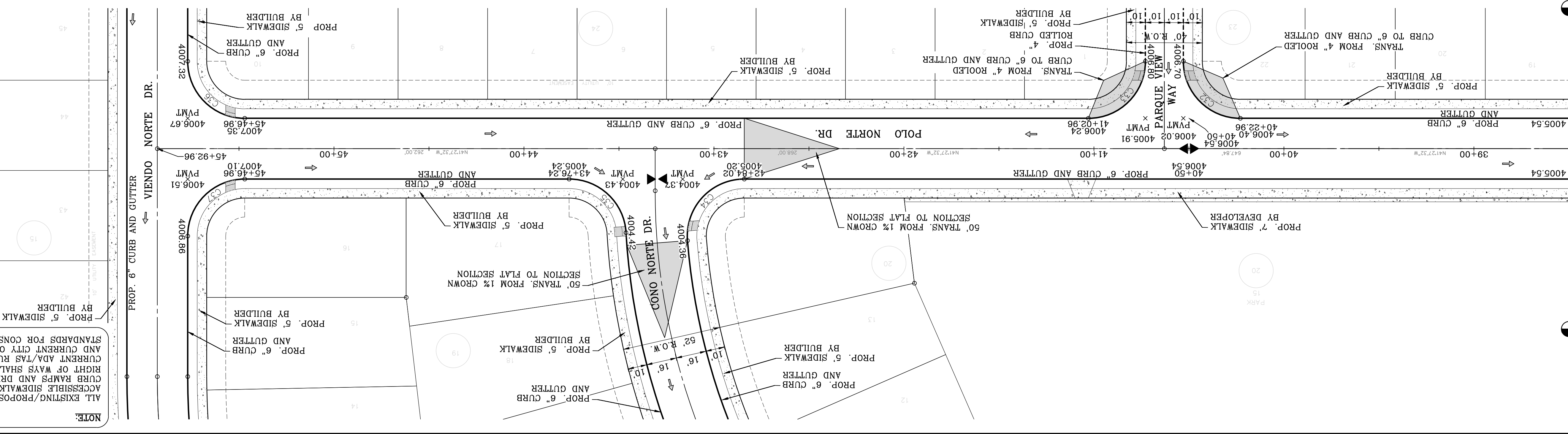
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,8622# ADGRS

DATE 03/11/2022
BY Oscar Villalobos

REVISIONS
 DATE 11/18/20
 CITY REDLINES AS PER 11/06/20 COMMENTS

MATCH LINE 38+50
SEE PREVIOUS SHEET



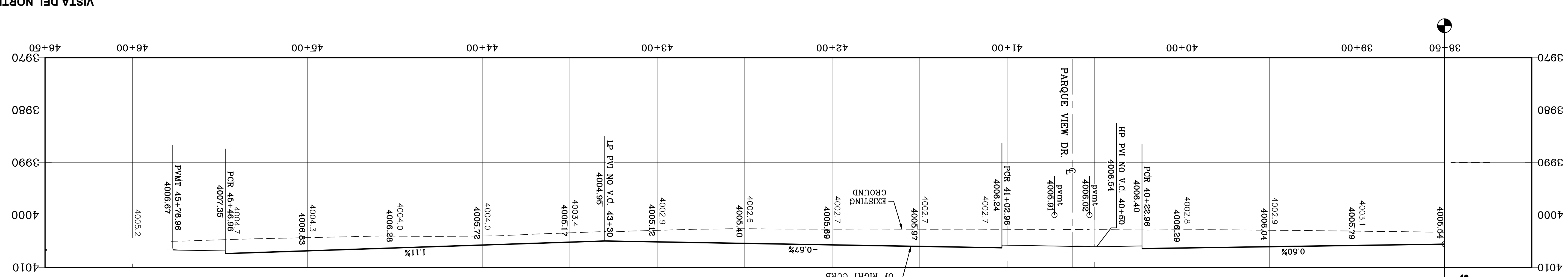
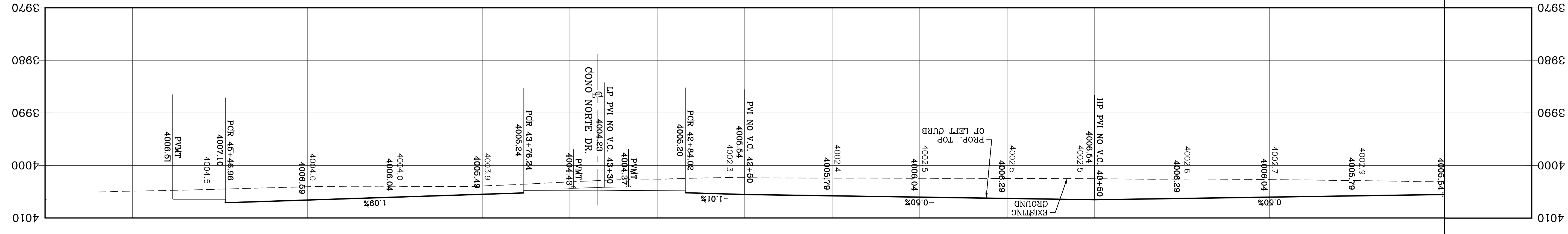
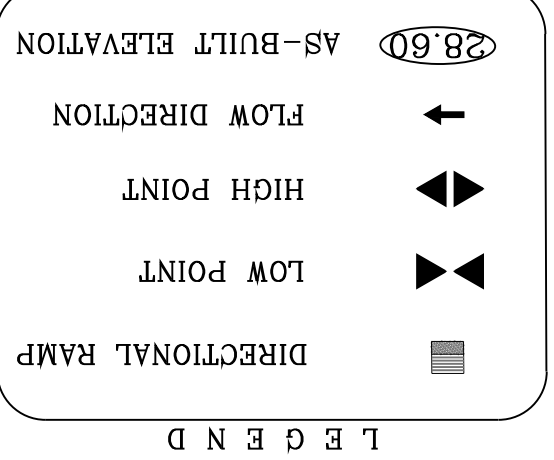
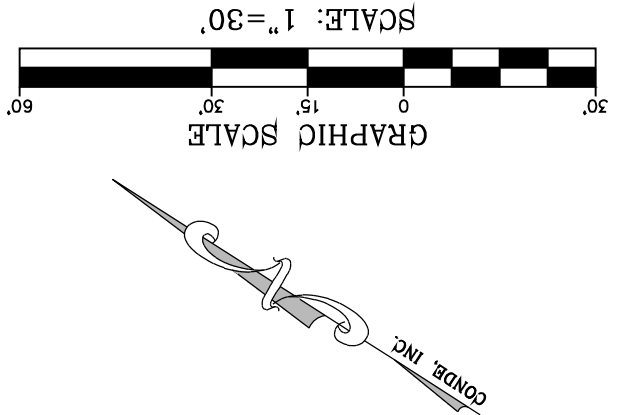
NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C32 | 30.00' | 47.12' | 30.00' | 42.43' | S33.22°28'W | 90°00'00" |
| C33 | 30.00' | 47.12' | 30.00' | 42.43' | S86.27°32'E | 90°00'00" |
| C34 | 30.00' | 49.48' | 32.45' | 44.06' | N88.42°33'W | 94°30'03" |
| C35 | 30.00' | 45.32' | 28.24' | 41.13' | N148.52°E | 86°32'47" |
| C36 | 30.00' | 47.12' | 30.00' | 42.43' | S33.22°28'W | 90°00'00" |
| C37 | 30.00' | 47.12' | 30.00' | 42.43' | N86.27°32'W | 90°00'00" |



BY Oscar Villalobos DATE 03/11/2022



MATCH LINE 38+50
SEE PREVIOUS SHEET

VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING 128,862.25 ACRES

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|----------|--|
| 1 | 11/18/20 | CITY REDLINES AS PER 11/06/20 COMMENTS |

BY _____

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS

6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL

CONDE INC.
REGISTRATION NO. F-2221

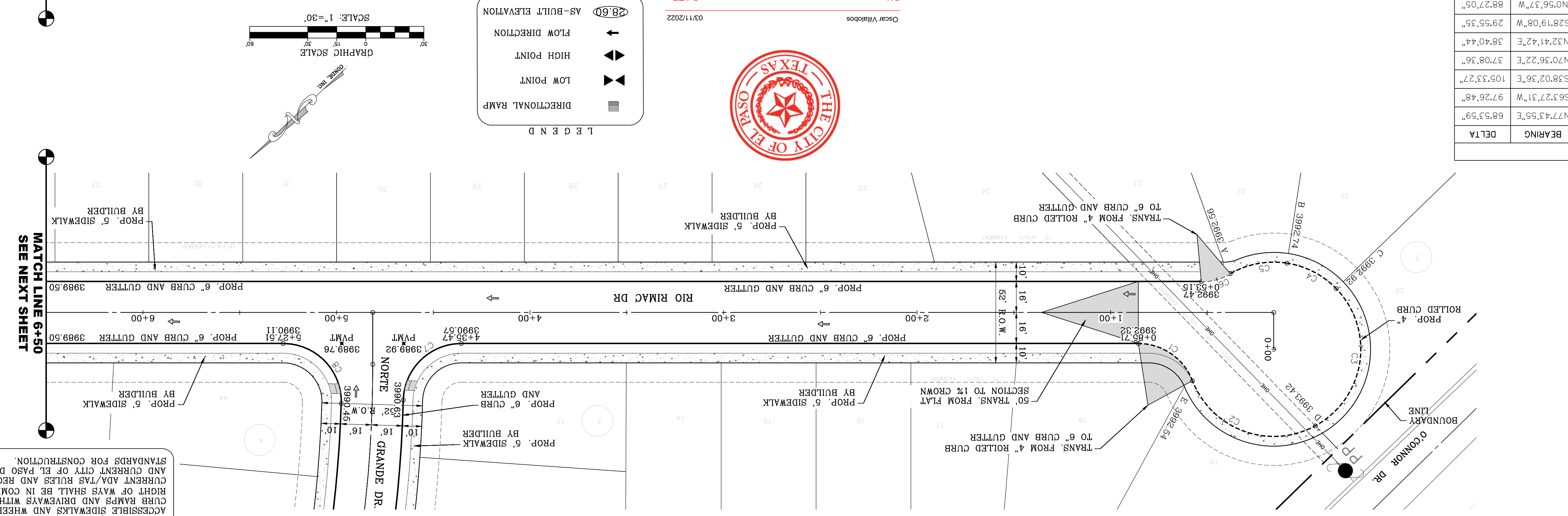
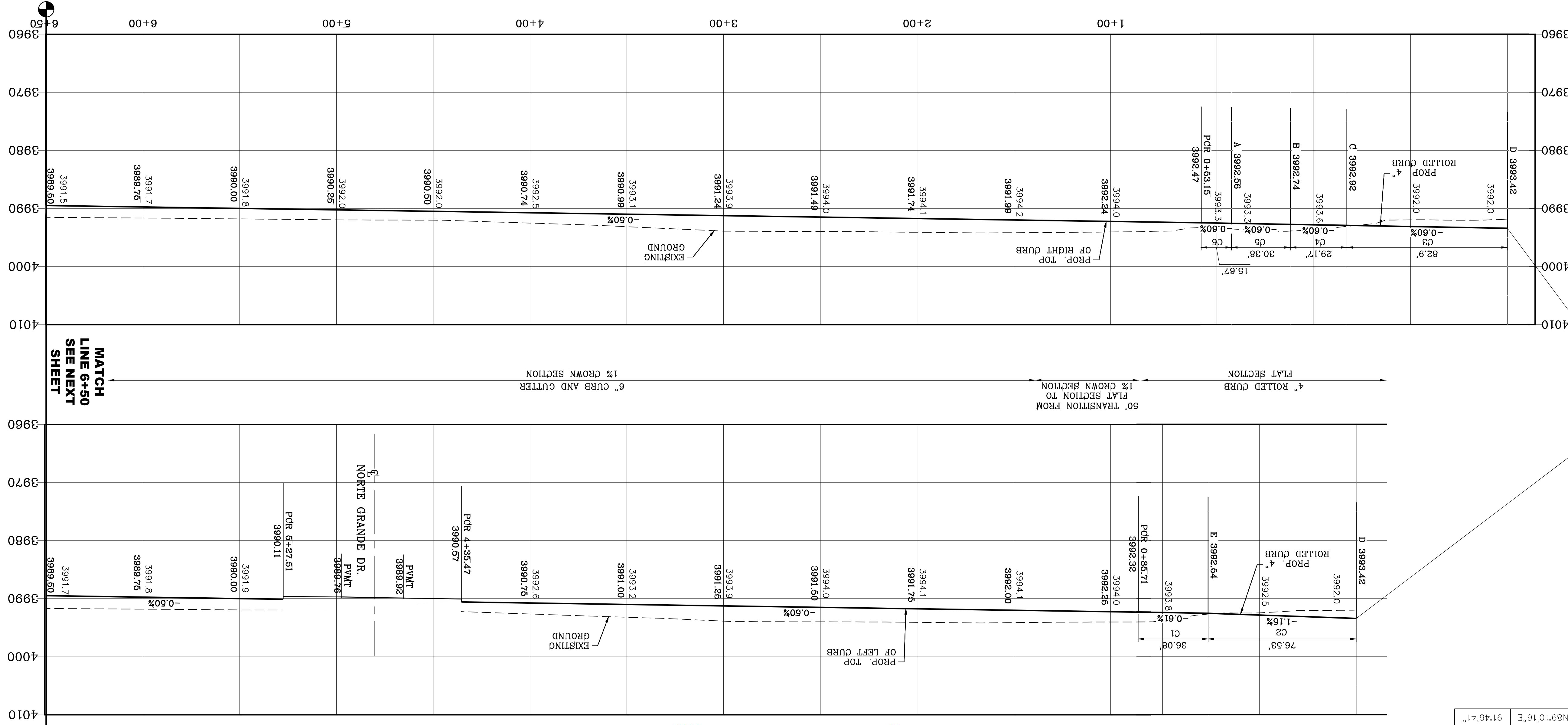
SHEET TITLE

POLO NORTE DR.
STA. 38+50 TO STA. 45+92.96

SHT 35 OF 83

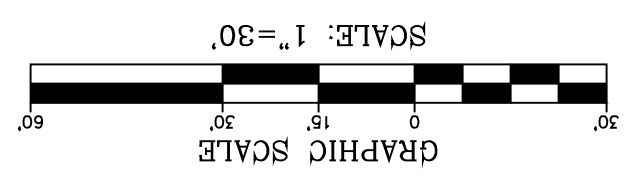
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|------------|
| C1 | 30.00' | 36.08' | 20.58' | 33.94' | N77°43'55"E | 68°53'59" |
| C2 | 45.00' | 76.53' | 51.26' | 67.64' | S63°27'31"W | 97°26'48" |
| C3 | 45.00' | 82.90' | 59.24' | 71.67' | S38°02'36"E | 105°33'27" |
| C4 | 45.00' | 29.17' | 15.12' | 28.66' | N70°36'22"E | 37°08'36" |
| C5 | 45.00' | 30.38' | 15.79' | 29.80' | N32°41'42"E | 38°40'44" |
| C6 | 30.00' | 15.67' | 8.02' | 15.49' | S28°19'08"W | 29°55'35" |
| C7 | 30.00' | 46.31' | 29.20' | 41.85' | N05°37'W | 88°27'05" |
| C8 | 30.00' | 43.08' | 26.95' | 43.08' | N89°10'16"E | 91°46'41" |

CURVE TABLE



LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP



NOTE:
 ALL EXISTING SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

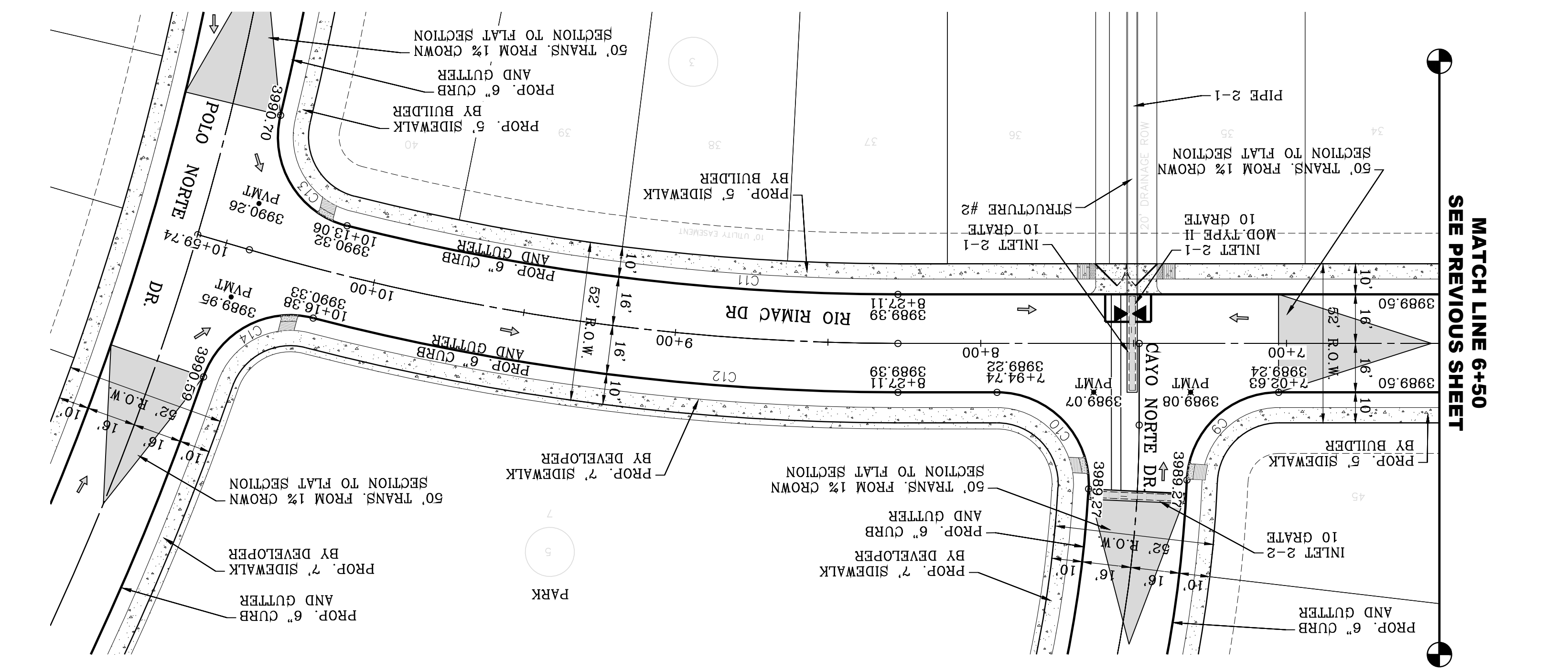
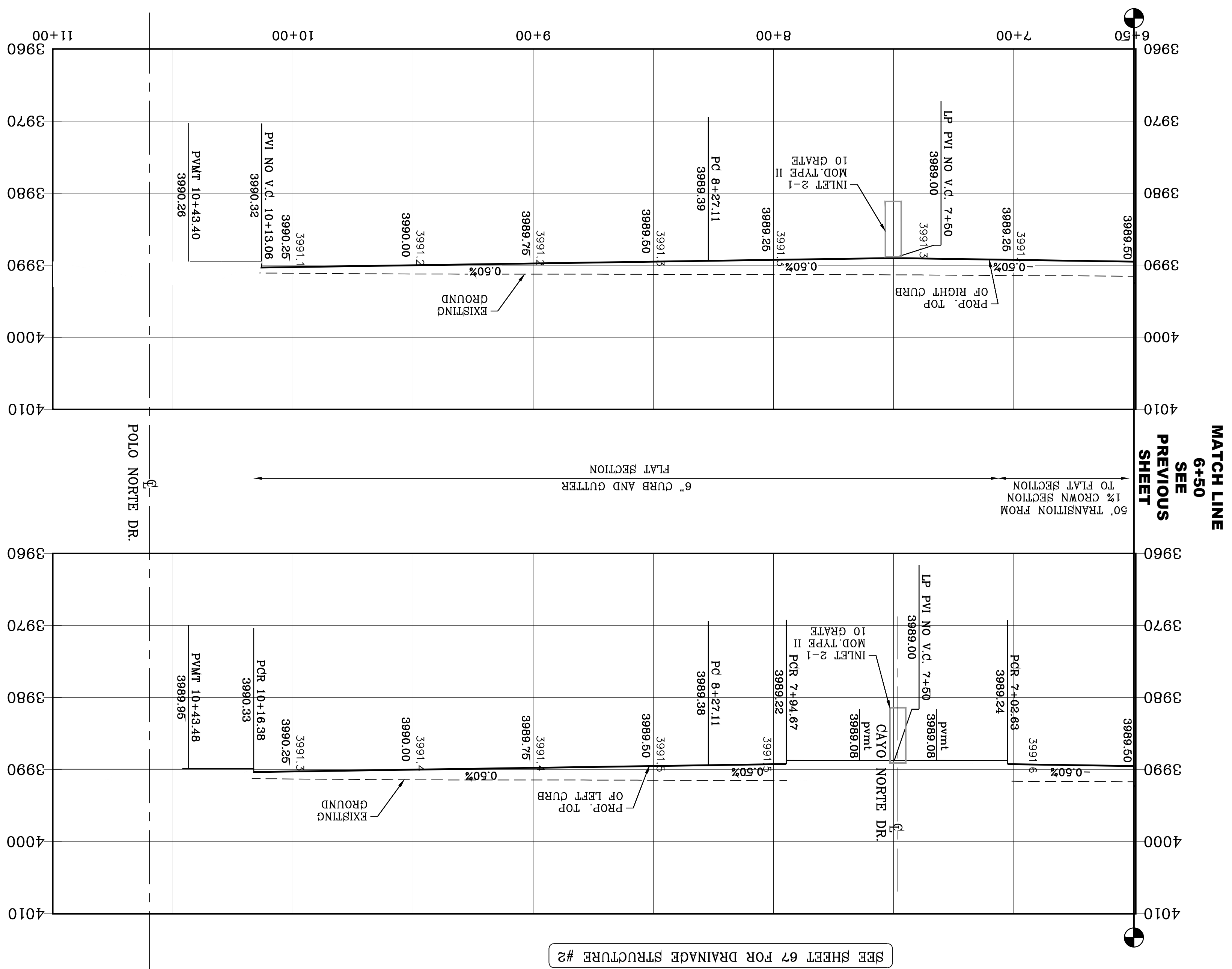
PROJECT NAME:
 VISTA DEL NORTE ESTATES UNIT TWO

DATE: MARCH 2017
DESIGN BY: Y.C.
CHECKED BY: Y.C.
JOB NO.: 1116-53

SCALE: 1" = 30'
VERT.: 1" = 10'

REVISIONS:

| NO. | DATE | DESCRIPTION | BY |
|-----|------|--|----|
| 1 | | 1/2" BEARING PANEL PLOTTED FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N31°58'39.7980" LONGITUDE: 106°29'28.6012" ELEVATION: 4004.41 ADD 10 FEET TO ORIGIN AND 88 DATA AS REFERENCED TO NAD 83 DATUM. NORTHING: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/RAILROAD INTERCEPTOR PLANS. | |



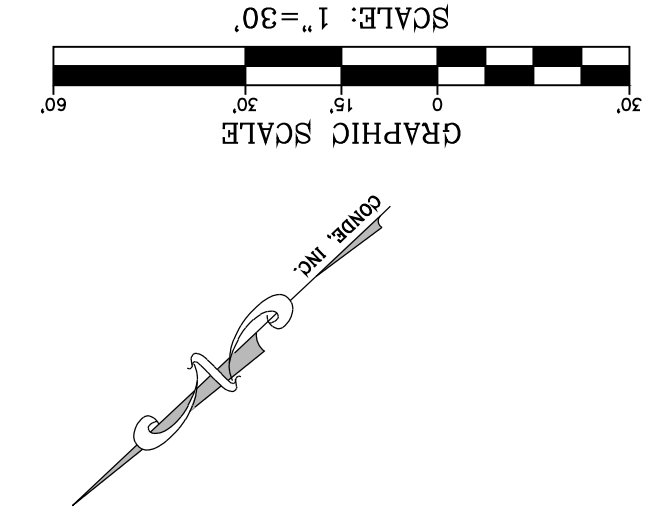
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------------|---------------|-------|
| C9 | 30.00' | 45.83' | 28.73' | 41.50' | N02°8'47\"/> | |
| C10 | 30.00' | 48.76' | 43.57' | N89°50'32\"/> | | |
| C11 | 734.00' | 181.98' | 91.46' | 181.51' | S50°23'05\"/> | |
| C12 | 766.00' | 193.30' | 97.17' | 192.79' | S50°30'41\"/> | |
| C13 | 30.00' | 46.85' | 29.73' | 42.23' | N77°46'16\"/> | |
| C14 | 30.00' | 44.69' | 27.66' | 40.67' | N15°03'51\"/> | |

NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMP AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP

BENCHMARK
 1/2\"/>



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

DATE
 MARCH 2017

DESIGN BY: Y.C.
CHECKED BY: F.R.

DATE
 MARCH 2017

INITIATED BY: Y.C.
CHECKED BY: F.R.

JOB NO.: 1116-53

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

SHEET TITLE
RIO RIMAC DR.
 STA: 6+50 TO 11+00
 SHT 37 OF 83

BY

VISTA DEL NORTE ESTATES UNIT TWO
 Oscar Villalobos
 03/11/2022
 DATE

REGISTRATION NO. F-2221
 CONDE INC.
 SHEET TITLE
 STA: 6+50 TO 11+00
 SHT 37 OF 83



ENGINEER'S SEAL
 YVONNE C. CURRY
 64648
 STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,8622# ADRES

THE CITY OF EL PASO, TEXAS

OSCAR Villalobos
03/11/2022
DATE

VISTA DEL NORTE ESTATES UNIT TWO

CONDE INC.

ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
YOUNG CONDE CURRY
REGISTERED PROFESSIONAL ENGINEER
NO. 64648
STATE OF TEXAS

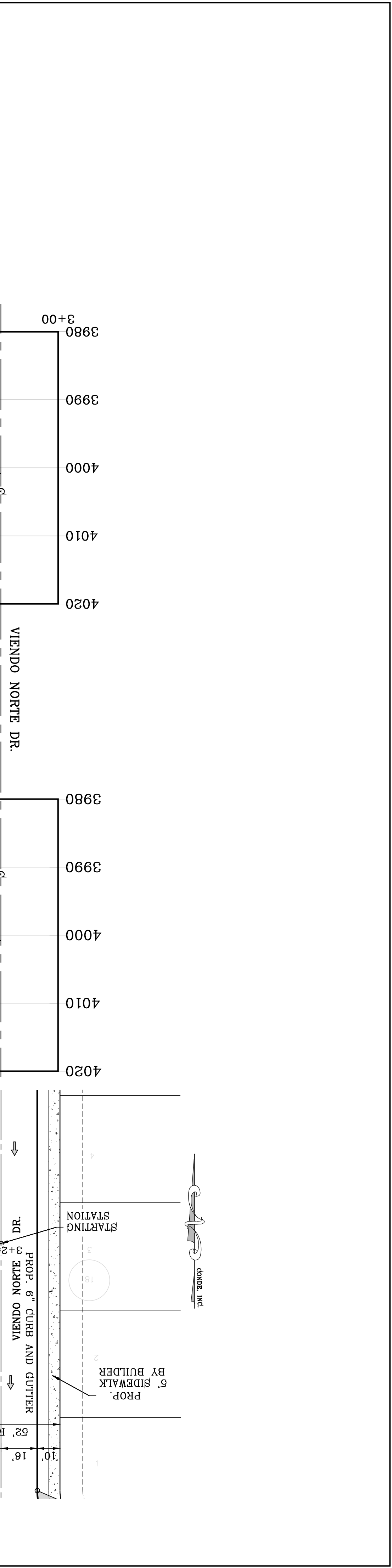
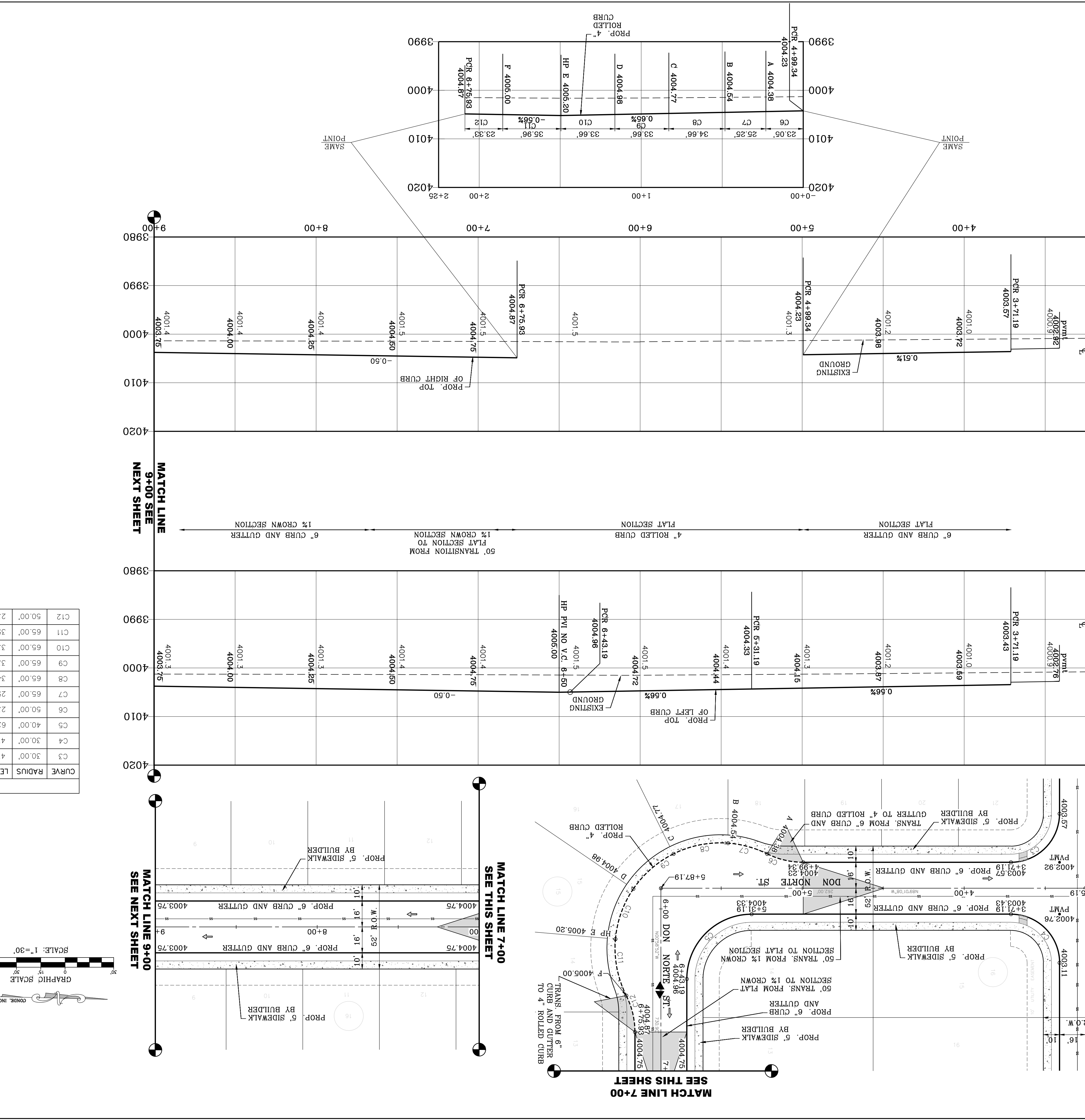
S C A L E
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

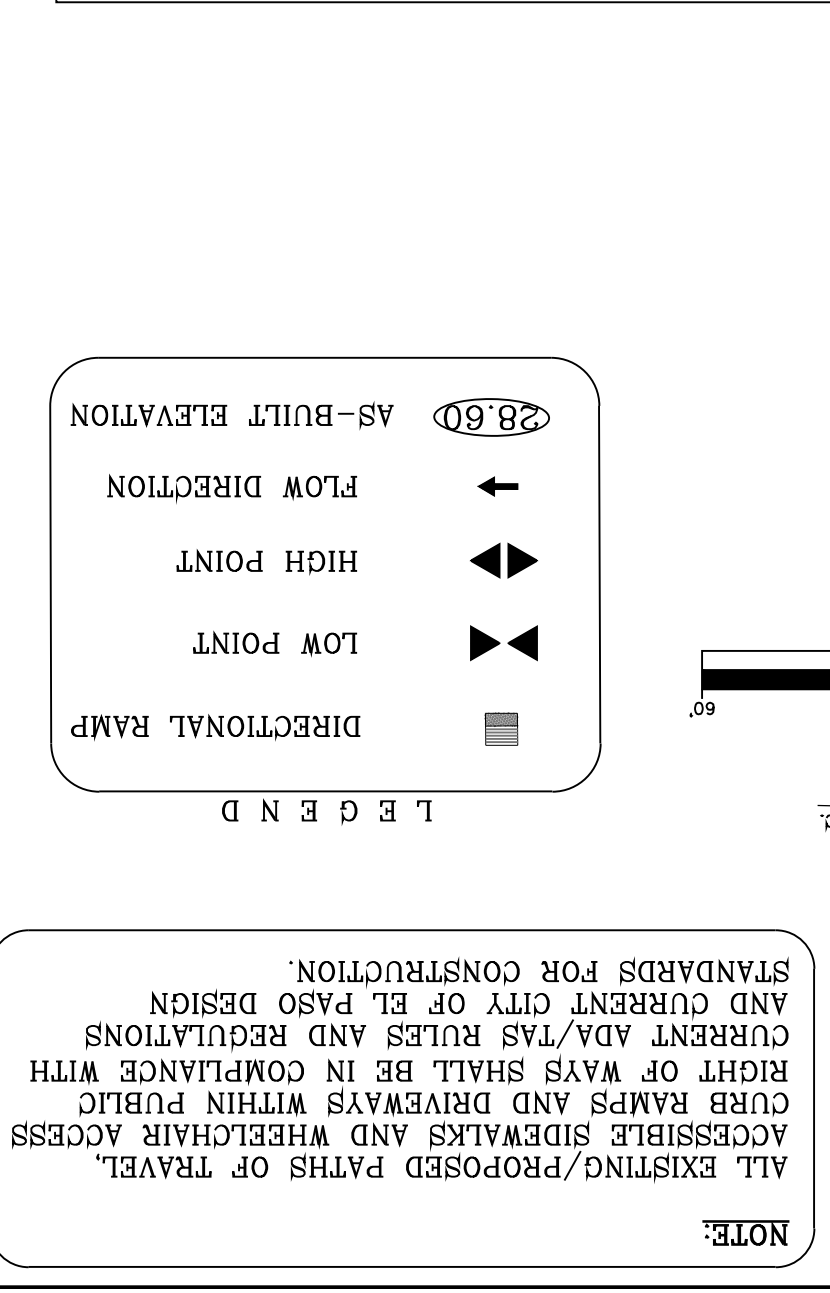
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,822± ACRES

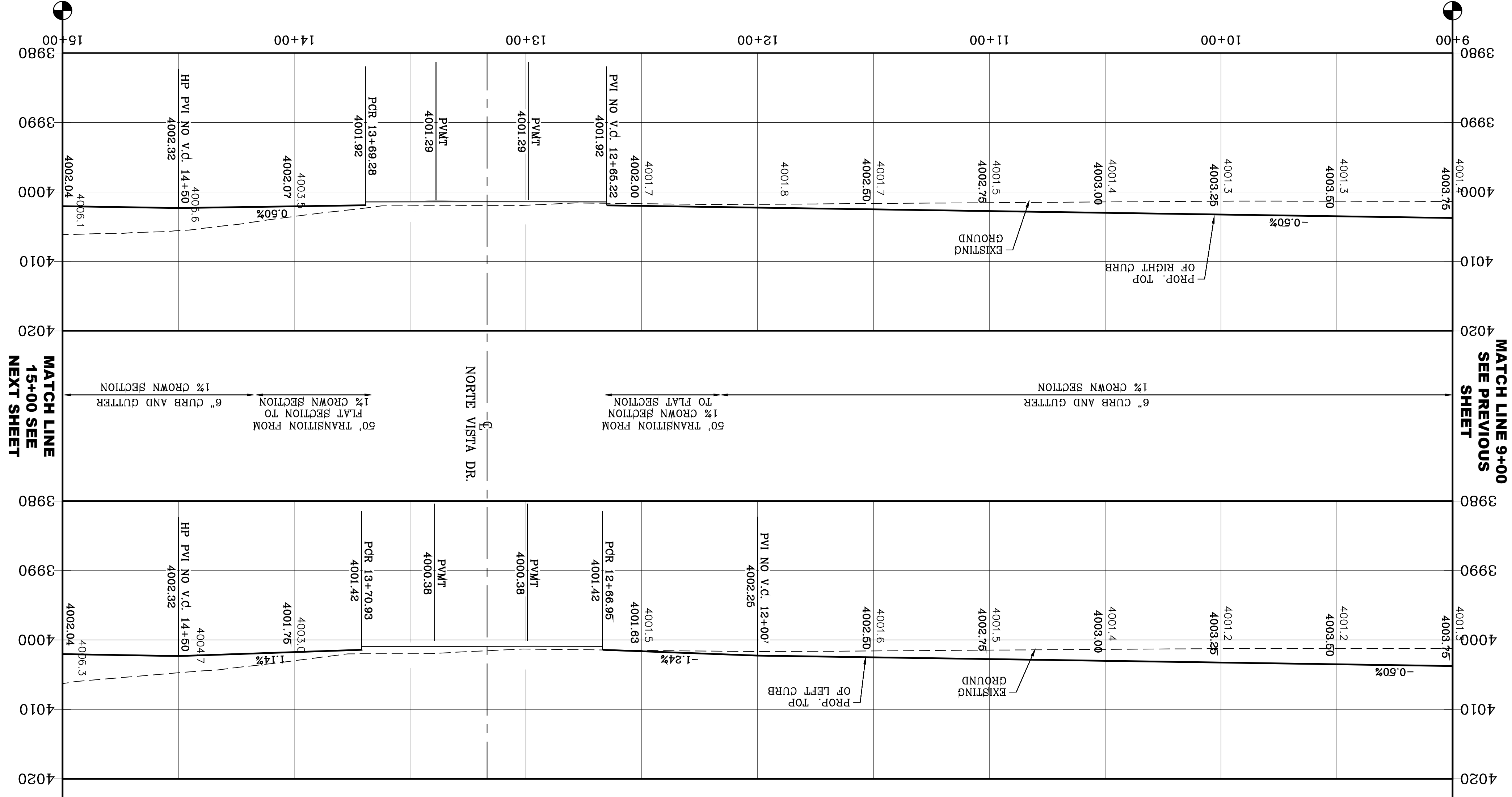
DATE: 11/18/20
BY: F.R.



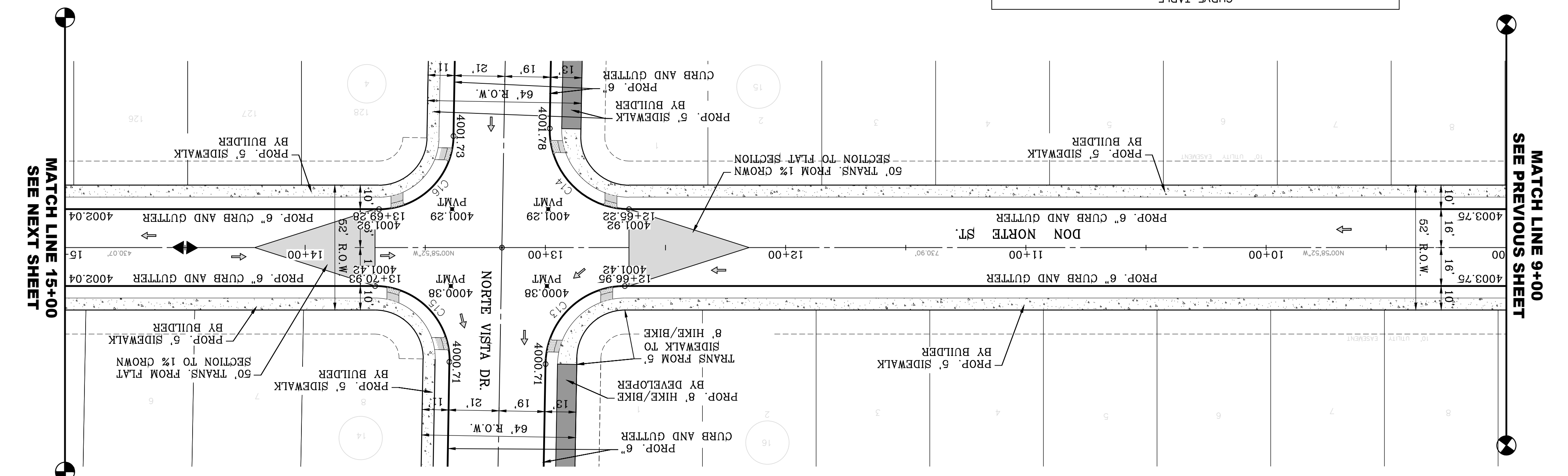
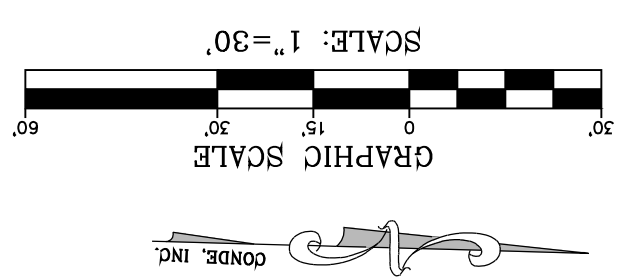
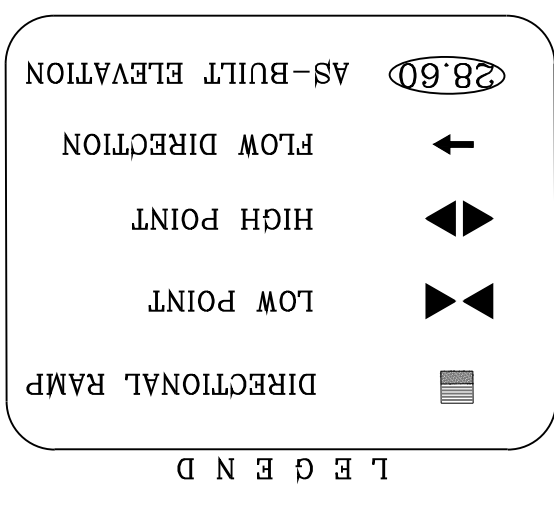
CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C3 | 30.00' | 47.12' | 30.00' | 42.43' | N44°01'08"E | 90°00'00" |
| C4 | 30.00' | 47.12' | 30.00' | 42.43' | N45°58'52"W | 90°00'00" |
| C5 | 40.00' | 62.83' | 40.00' | 56.57' | S44°01'08"W | 90°00'00" |
| C6 | 50.00' | 23.05' | 23.05' | 22.84' | S77°46'39"E | 26°24'28" |
| C7 | 65.00' | 25.26' | 12.79' | 25.10' | N75°42'22"W | 22°15'55" |
| C8 | 65.00' | 34.66' | 17.75' | 34.25' | S77°53'10"W | 30°33'01" |
| C9 | 65.00' | 33.26' | 17.00' | 32.90' | S47°57'11"W | 29°18'58" |
| C10 | 65.00' | 33.26' | 17.00' | 32.90' | S18°38'13"W | 29°18'58" |
| C11 | 65.00' | 35.96' | 18.45' | 35.50' | S11°52'10"E | 31°41'48" |
| C12 | 50.00' | 23.33' | 11.88' | 23.12' | N14°20'58"W | 26°44'12" |





| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C13 | 33.00' | 51.25' | 32.42' | 46.26' | S45°28'33"E | 88°59'22" |
| C14 | 33.00' | 52.42' | 33.59' | 47.08' | N44°31'27"E | 91°00'38" |
| C15 | 31.00' | 49.24' | 31.55' | 44.23' | S44°31'27"W | 91°00'38" |
| C16 | 31.00' | 48.15' | 30.46' | 43.45' | N45°28'33"W | 88°59'22" |

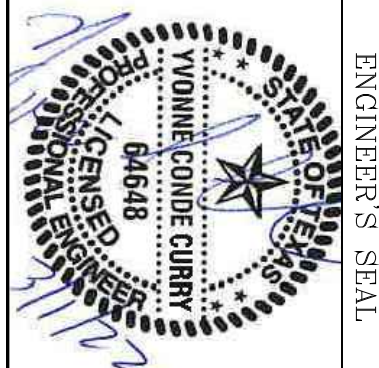


NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

BY _____ DATE _____
 Oscar Villalobos
 03/11/2022



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



S C A L E
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

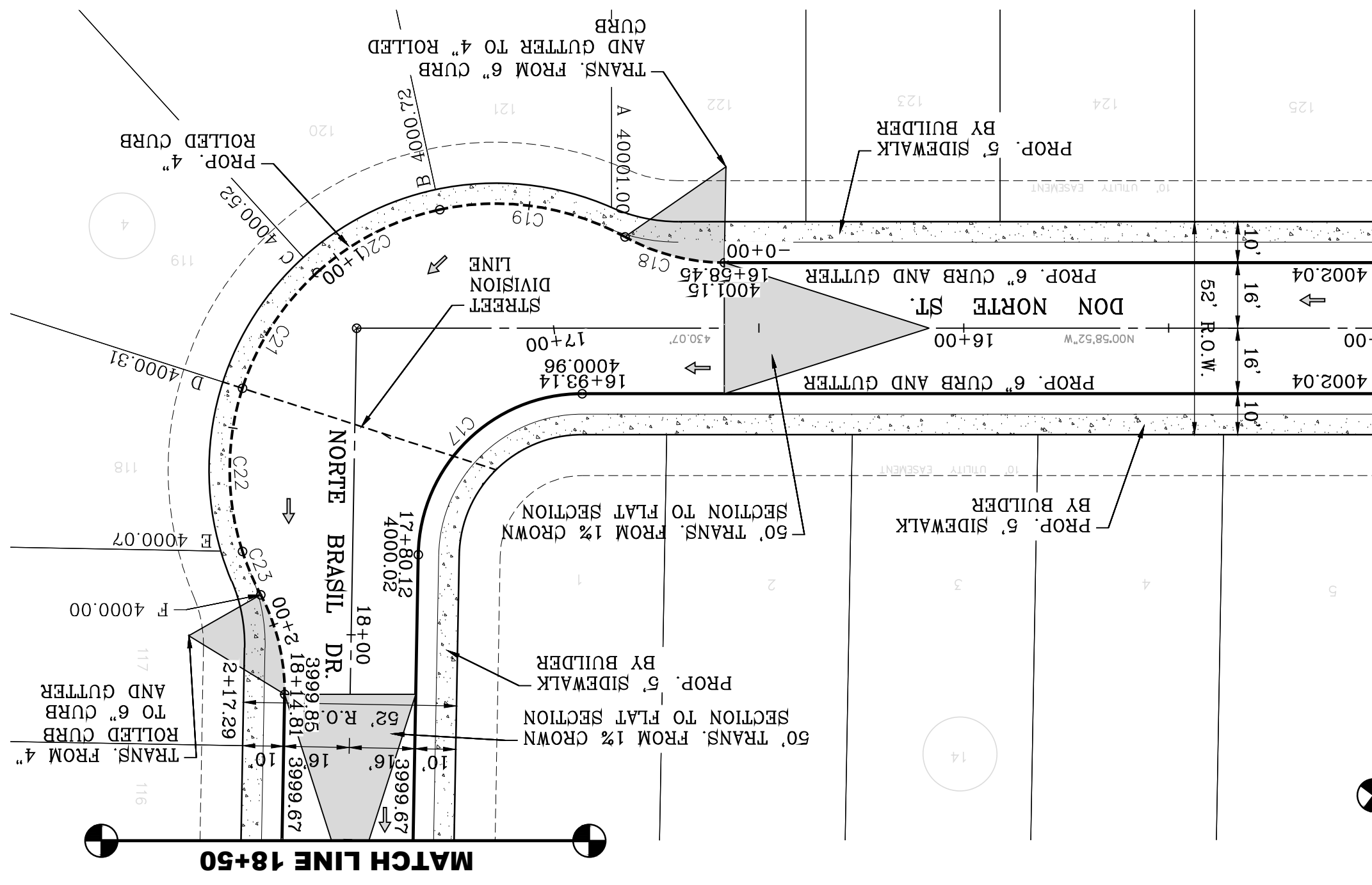
PROJECT NAME
 VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,822± ACRES

BENCHMARK
 1/2" BEARER PANEL POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO, 100' NORTH AND 100' WEST OF THE POINT OF BEGINNING. ELEVATION -4004.41 AND 100' WEST TO OBTAIN NAD 83 DATUM AS REFERENCED TO NAD 83 DATUM. ELEVATION -4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DIVER/RAILROAD INTERCEPTOR PLANS.

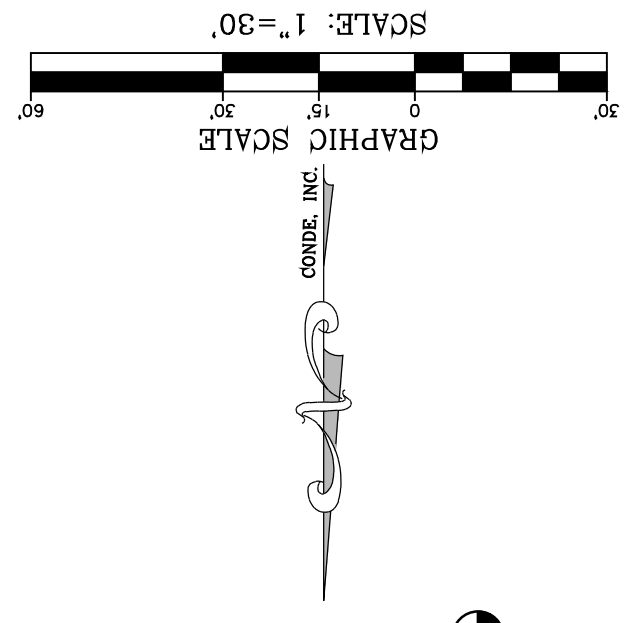
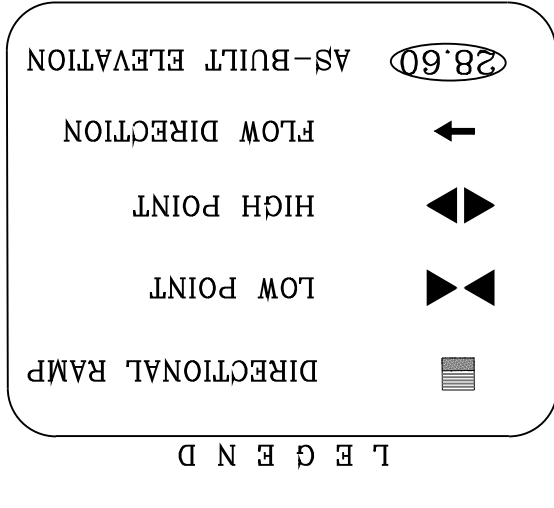
REVISIONS
 DATE 11/18/20 BY F.R.

MATCH LINE 15+00
SEE PREVIOUS SHEET

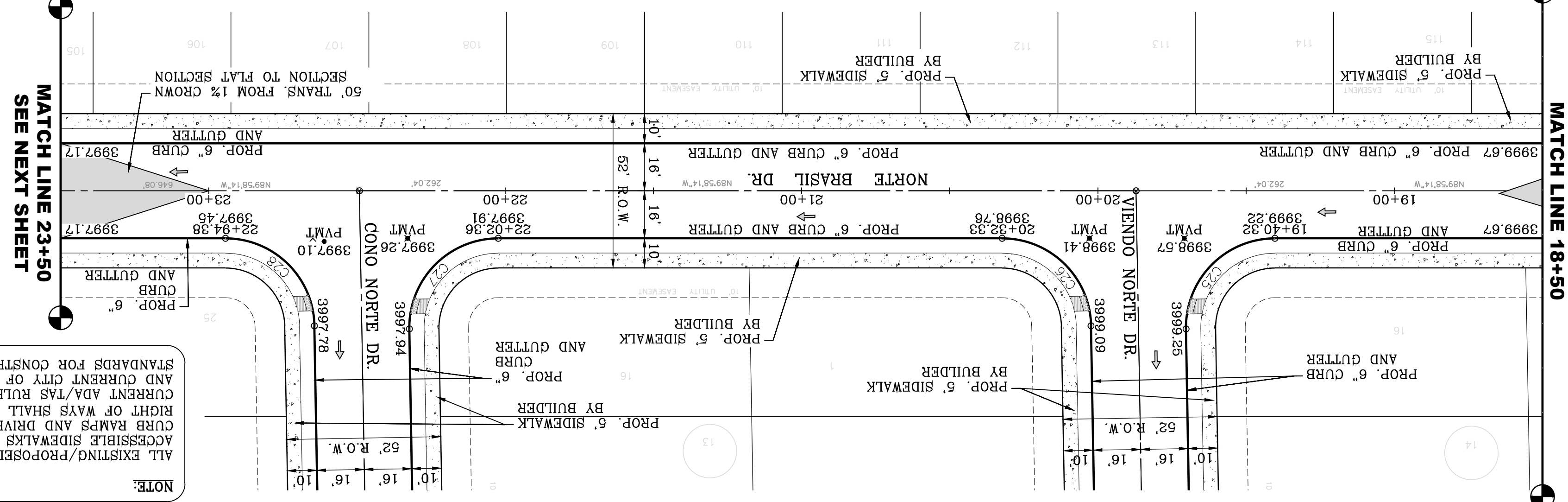


| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------------|-------------|-------------|
| C23 | 65.00' | 11.48' | 40.49' | 20.93' | 39.84' | N66°06'26"E |
| C22 | 65.00' | 34.01' | 33.63' | 55.8'09'03"E | 29°58'57" | S54°1'33" |
| C21 | 65.00' | 34.01' | 33.63' | 52.8'10'06"E | 29°58'57" | N44°31'27"E |
| C20 | 65.00' | 34.01' | 33.63' | 57.2'4'39"W | 41°10'34" | N44°31'27"E |
| C19 | 65.00' | 46.71' | 24.42' | 45.71' | S72°4'39"W | 41°10'34" |
| C18 | 50.00' | 25.29' | 12.92' | 25.02' | N13°30'32"E | 28°58'49" |

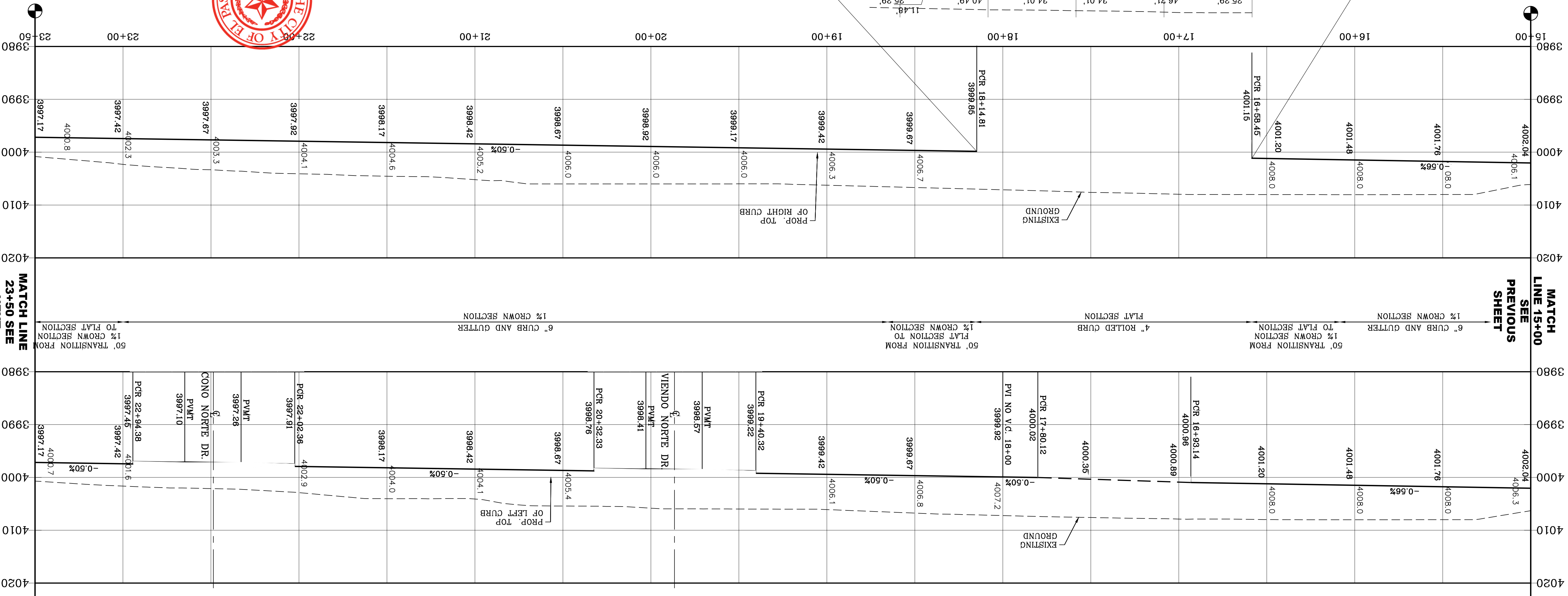
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C28 | 30.00' | 46.59' | 30.53' | 42.05' | S45°28'33"E | 88°59'22" |
| C27 | 30.00' | 47.65' | 30.53' | 42.80' | N44°31'27"E | 91°00'38" |
| C26 | 30.00' | 46.59' | 29.48' | 42.05' | S45°28'33"E | 88°59'22" |
| C25 | 30.00' | 47.65' | 30.53' | 42.80' | N44°31'27"E | 91°00'38" |
| C24 | 50.00' | 25.29' | 12.92' | 25.02' | S75°32'21"W | 28°58'49" |



MATCH LINE 23+50
SEE NEXT SHEET



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



BY Oscar Villalobos
 DATE 03/11/2022

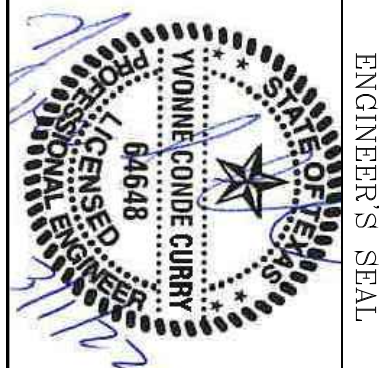
MATCH LINE 23+50 SEE NEXT SHEET

MATCH LINE 15+00 SEE PREVIOUS SHEET

SHT 40 OF 83
 DON NORTE ST. & NORTE BRASIL DR.
 STA: 15+00 TO STA: 23+50



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
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 EL PASO, TEXAS 79905
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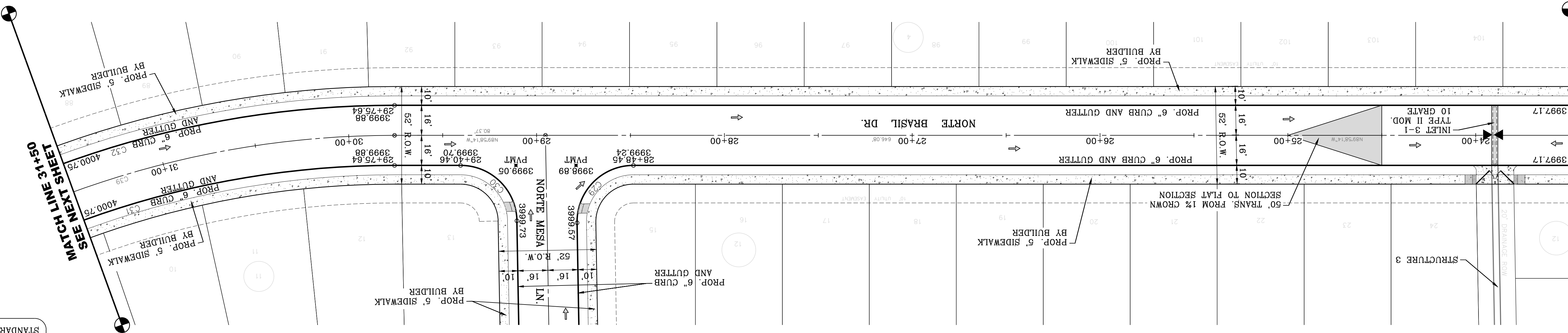


SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,822± ACRES

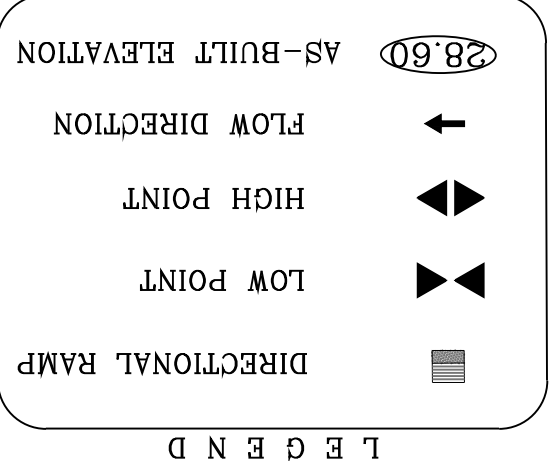
BENCHMARK PROVIDED BY OTHERS LOCATED 145°57'18"W - 187°82' PEST FROM THE NORTHEAST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N1°58'39.2960" LONGITUDE: 106°2'28.6012" ELEVATION: 4004.41 AND 10 FEET TO ORIGIN AND 86 DATUM AS REFERENCED TO NAD 83. ELEVATION: 4012.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/RAILROAD INTERCEPTOR PLANS
 DATE 11/18/20
 CITY REDLINES AS PER 11/06/20 COMMENTS

MATCH LINE 23+50
SEE NEXT SHEET

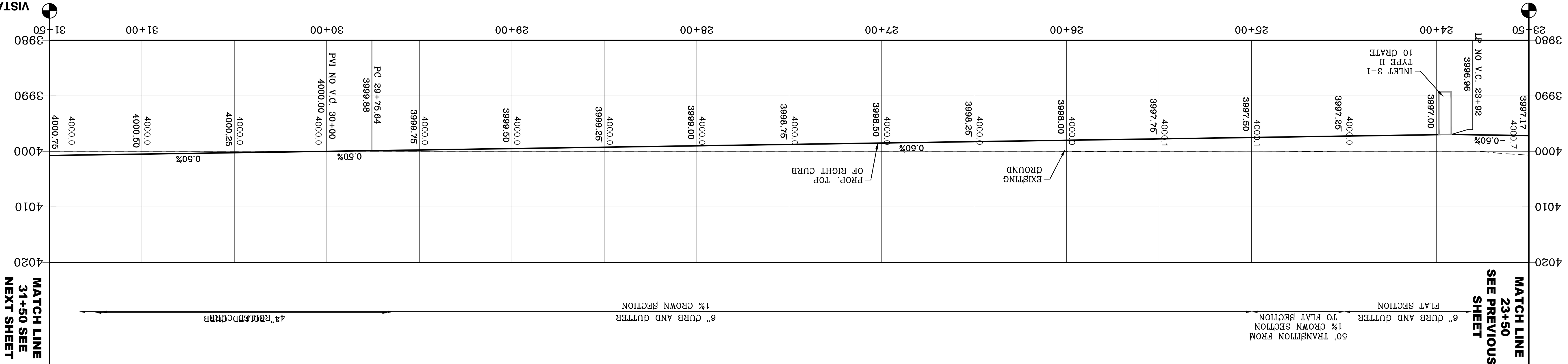
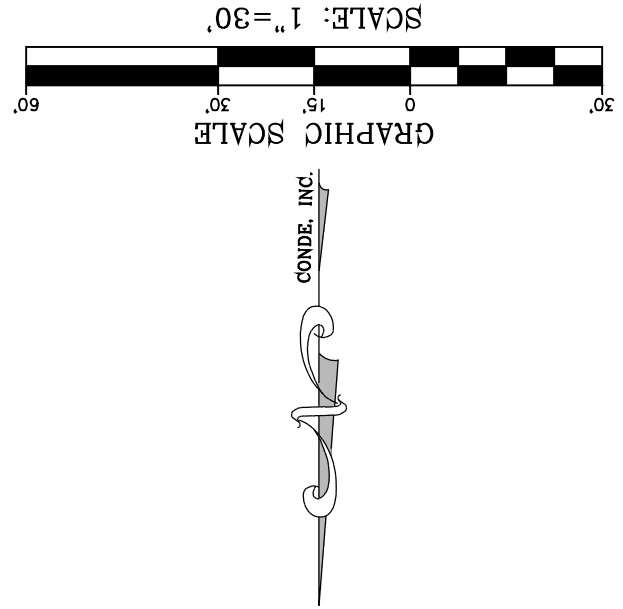


| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|-------------|-----------|
| C29 | 30.00' | 47.65' | 30.53' | 42.80' | N44°31'27"E | 91°00'38" |
| C30 | 30.00' | 46.59' | 29.48' | 42.05' | S45°28'33"E | 88°59'22" |
| C31 | 484.00' | 277.43' | 142.64' | 273.65' | N73°36'30"E | 32°50'31" |
| C32 | 516.00' | 295.77' | 152.07' | 291.74' | N73°36'30"E | 32°50'31" |
| C39 | 500.00' | 286.60' | 147.36' | 282.69' | N73°36'30"E | 32°50'31" |

DATE: 03/11/2022
BY: Oscar Villalobos



SEE SHEET 68 FOR DRAINAGE STRUCTURE #3



MATCH LINE 31+50 SEE NEXT SHEET

MATCH LINE 23+50 SEE PREVIOUS SHEET

CONDE INC.
ENGINEERING / PLANNING
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EL PASO, TEXAS 79905
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FAX: (915) 592-0286

ENGINEER'S SEAL
YVONNE CONDE CURRY
64648
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF TEXAS

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

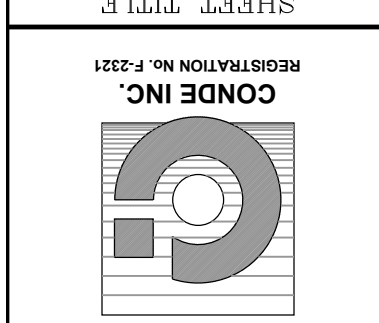
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
1/2" BEARING PINE POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO
STATIONING: 4004.41 AND 1069.72 TO OBTAIN NAD 83 DATA AS REFERENCED TO NAD 83
ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/BALDROAD INTERCHANGE PLANS

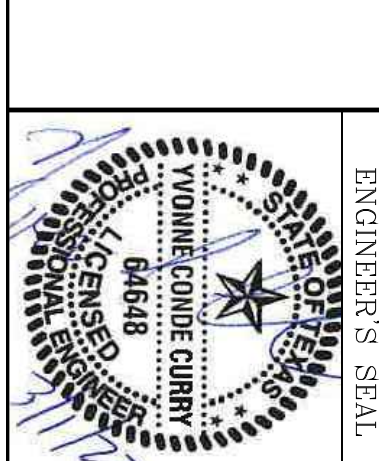
REVISIONS

| DATE | BY | REVISIONS |
|----------|------|--|
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |

NOTE:
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SCALE
HORIZ: 1" = 30'
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INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
1/2" BEARING PINE POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO
STATIONING: 4004.41 AND 1069.72 TO OBTAIN NAD 83 DATA AS REFERENCED TO NAD 83
ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/BALDROAD INTERCHANGE PLANS

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|--|
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |

NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

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ENGINEER'S SEAL
YVONNE CONDE CURRY
64648
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF TEXAS

SCALE
HORIZ: 1" = 30'
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DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

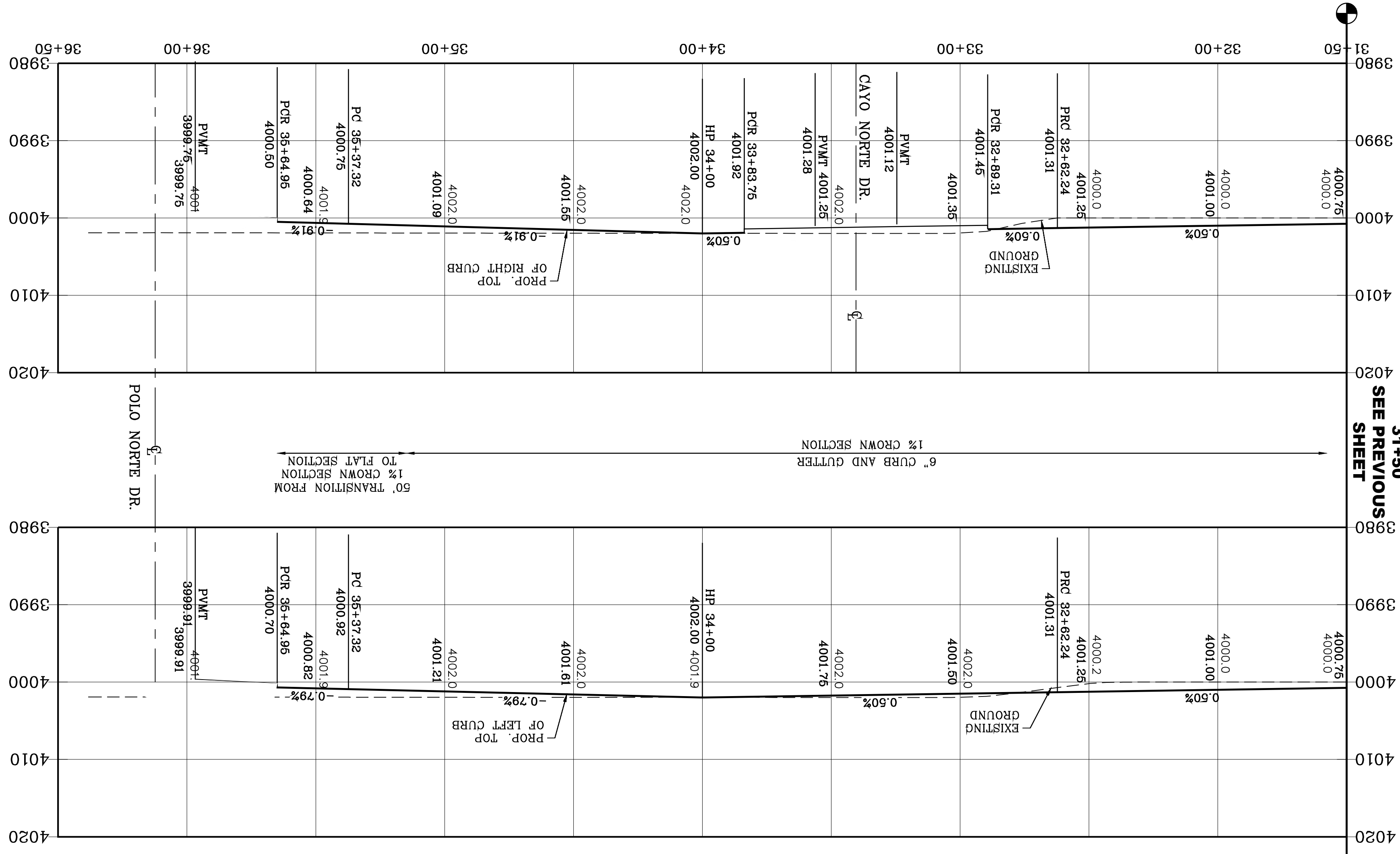
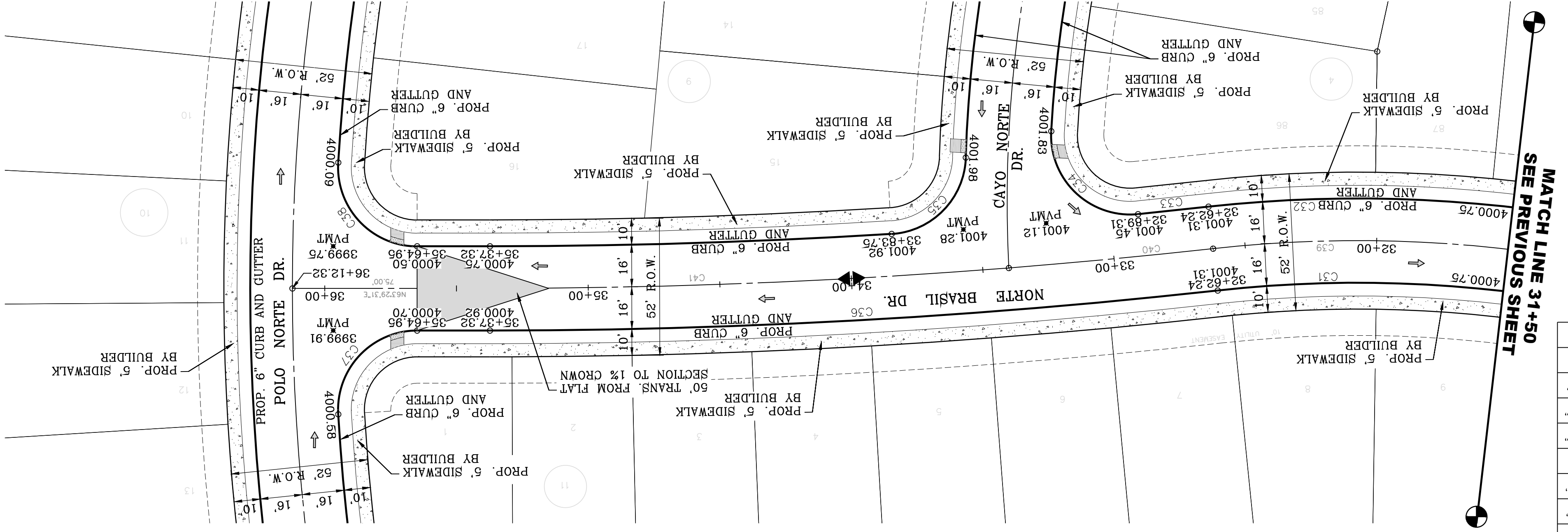
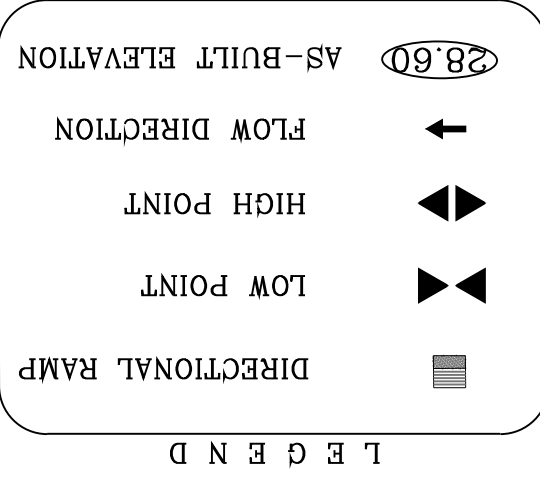
BENCHMARK
1/2" BEARING PINE POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO
STATIONING: 4004.41 AND 1069.72 TO OBTAIN NAD 83 DATA AS REFERENCED TO NAD 83
ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/BALDROAD INTERCHANGE PLANS

REVISIONS

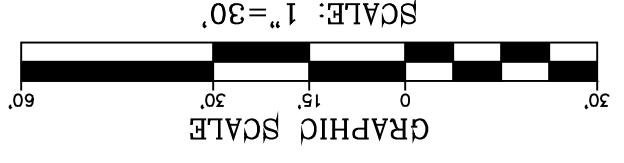
| DATE | BY | REVISIONS |
|----------|------|--|
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |

NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|----------|---------|---------|---------|-------------|-----------|
| C31 | 484.00' | 277.43' | 142.64' | 273.65' | N73.56.50"E | 32.50.31" |
| C32 | 516.00' | 295.77' | 152.07' | 291.74' | N73.56.50"E | 32.50.31" |
| C33 | 2484.00' | 26.90' | 13.45' | 26.90' | S57.29.92"W | 0.37.14" |
| C34 | 30.00' | 51.74' | 35.01' | 45.56' | N72.46.56"W | 98.49.11" |
| C35 | 30.00' | 44.33' | 27.32' | 40.40' | S17.38.42"W | 84.39.17" |
| C36 | 2516.00' | 276.84' | 138.56' | 276.70' | S60.20.23"W | 6.18.16" |
| C37 | 30.00' | 48.90' | 31.83' | 43.67' | N16.47.34"E | 93.23.54" |
| C38 | 30.00' | 48.90' | 31.83' | 43.67' | N69.48.32"W | 93.23.54" |
| C39 | 500.00' | 286.60' | 147.36' | 282.69' | N73.56.50"E | 32.50.31" |
| C40 | 2500.00' | 77.86' | 38.93' | 77.86' | S58.04.47"W | 1.47.04" |
| C41 | 2500.00' | 197.22' | 98.66' | 197.17' | S61.33.55"W | 4.31.12" |



NOTE: ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



CONDE INC.
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 6080 SURETY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
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ENGINEER'S SEAL
 YOUNG & RUBICAM
 64648
 11/18/20

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
 1.75" BEARING PIVOT POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE 146+57.18 W. 187.82 FEET FROM THE NORTHEAST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N81+58.99 7980' LONGITUDE: 106+91.28 8012' ELEVATION: 4004.41 AND 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83. ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DRIVE/RAILROAD INTERCHANGE PLANS.

REVISIONS

| DATE | BY | COMMENTS |
|----------|------|--|
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |

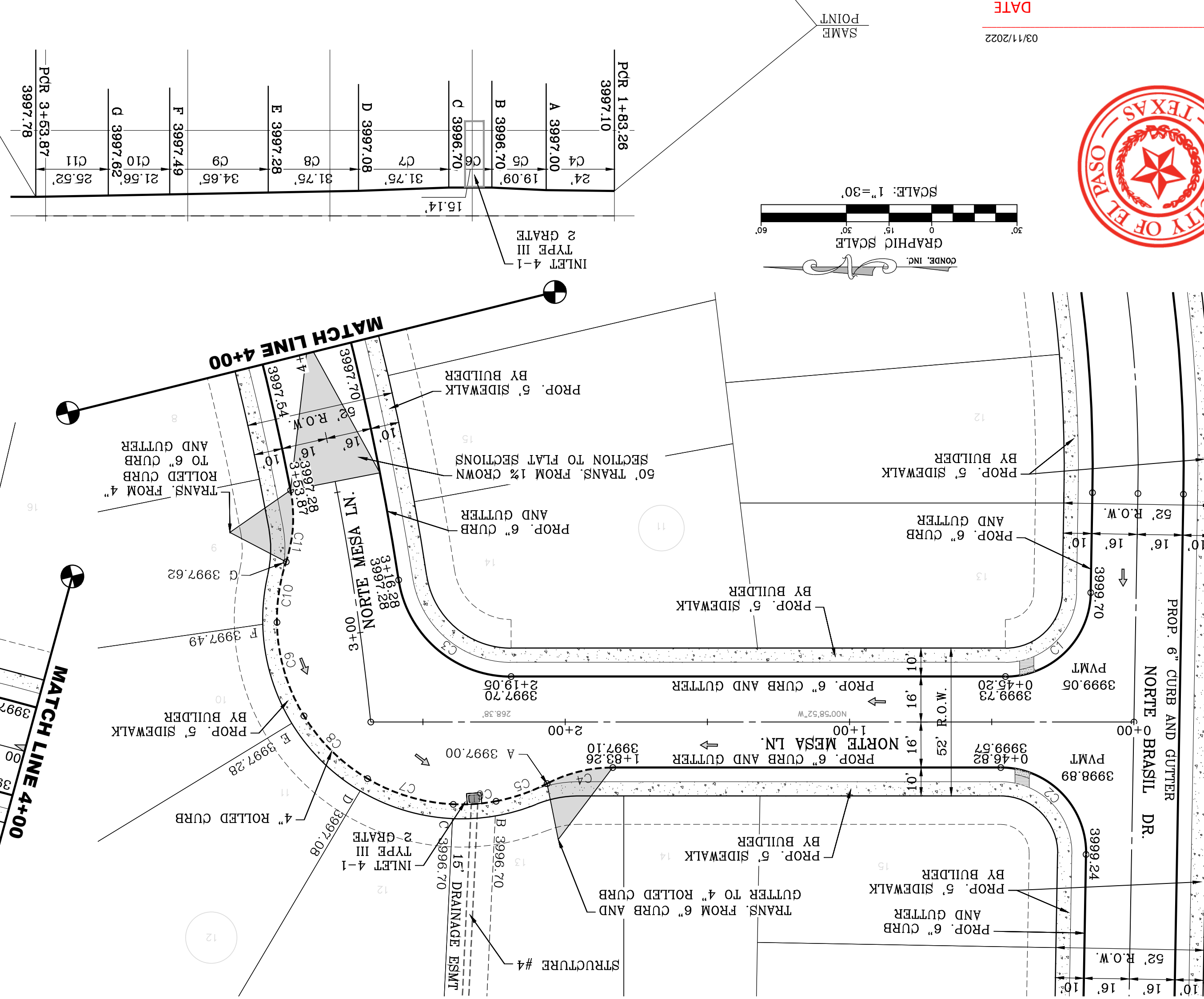
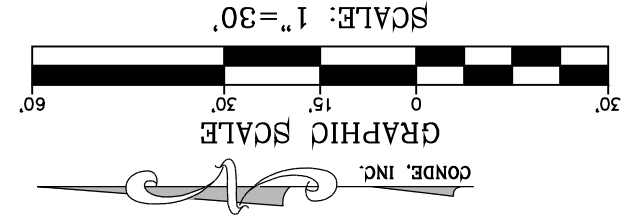


BY _____ DATE _____
 Oscar Villalobos
 03/11/2022

SHT 42 OF 83
 DON NORTE ST. & NORTE BRASIL DR.
 STA: 31+50 TO STA: 36+12.32



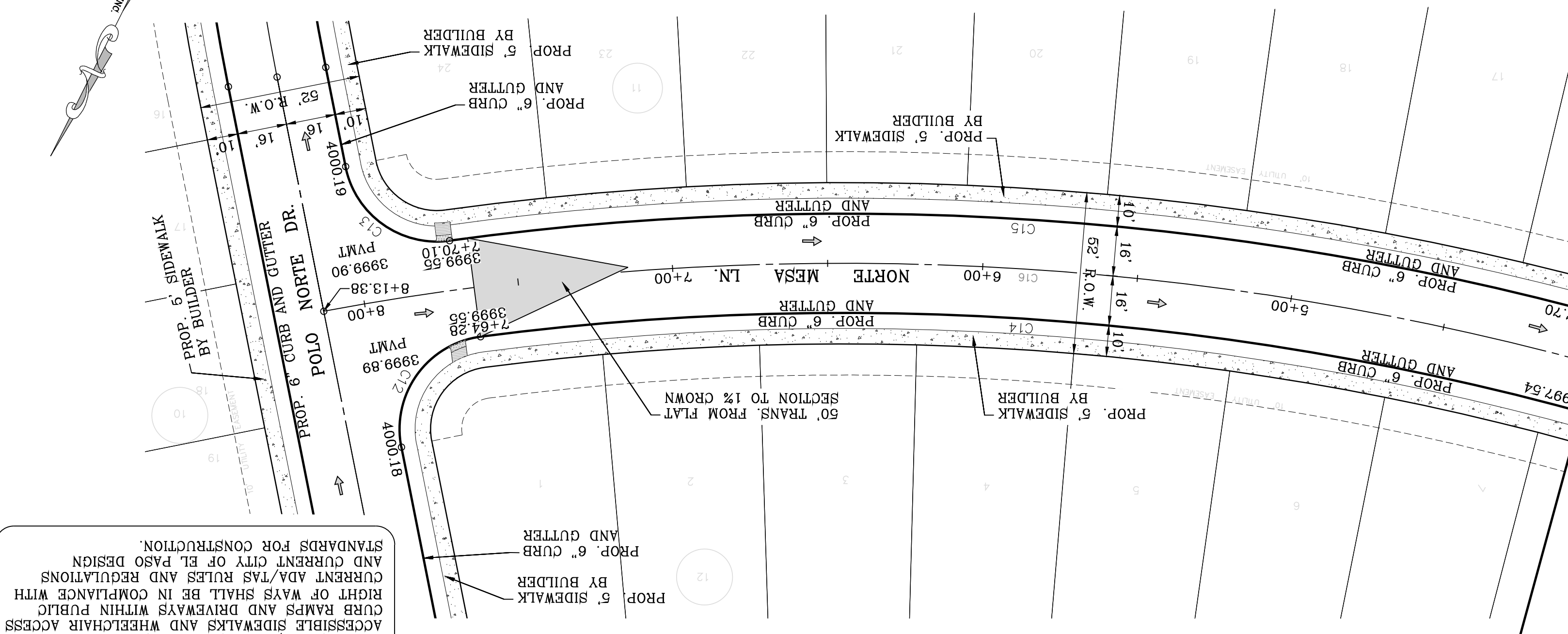
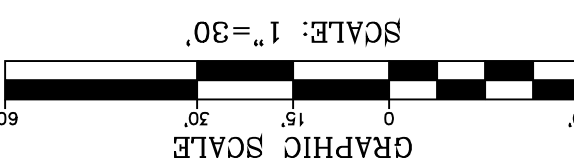
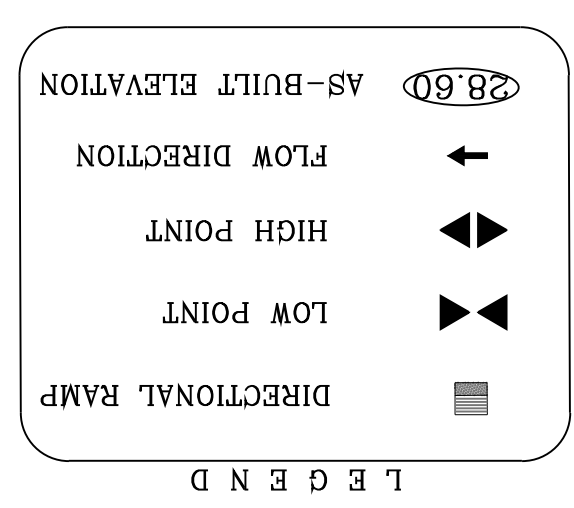
DATE 03/11/2022



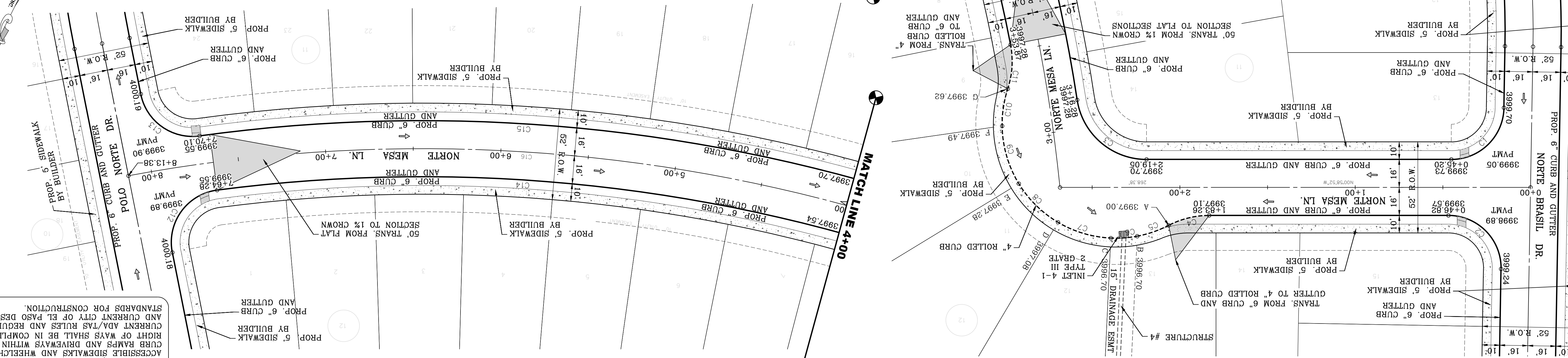
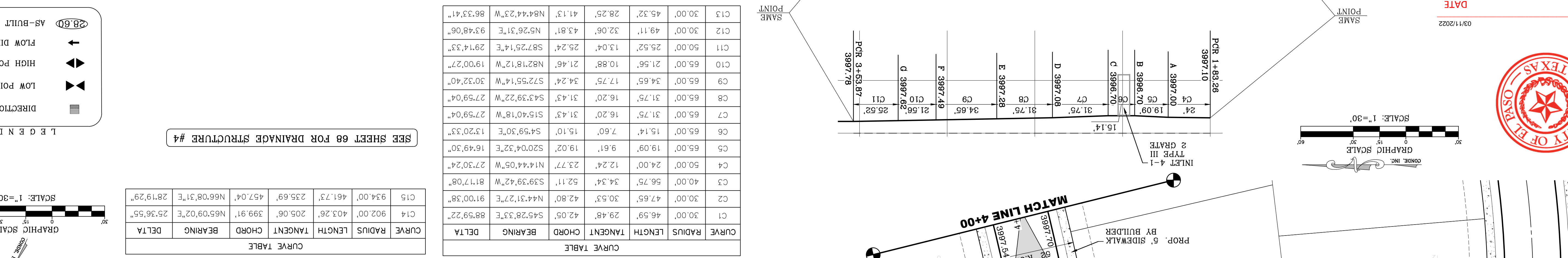
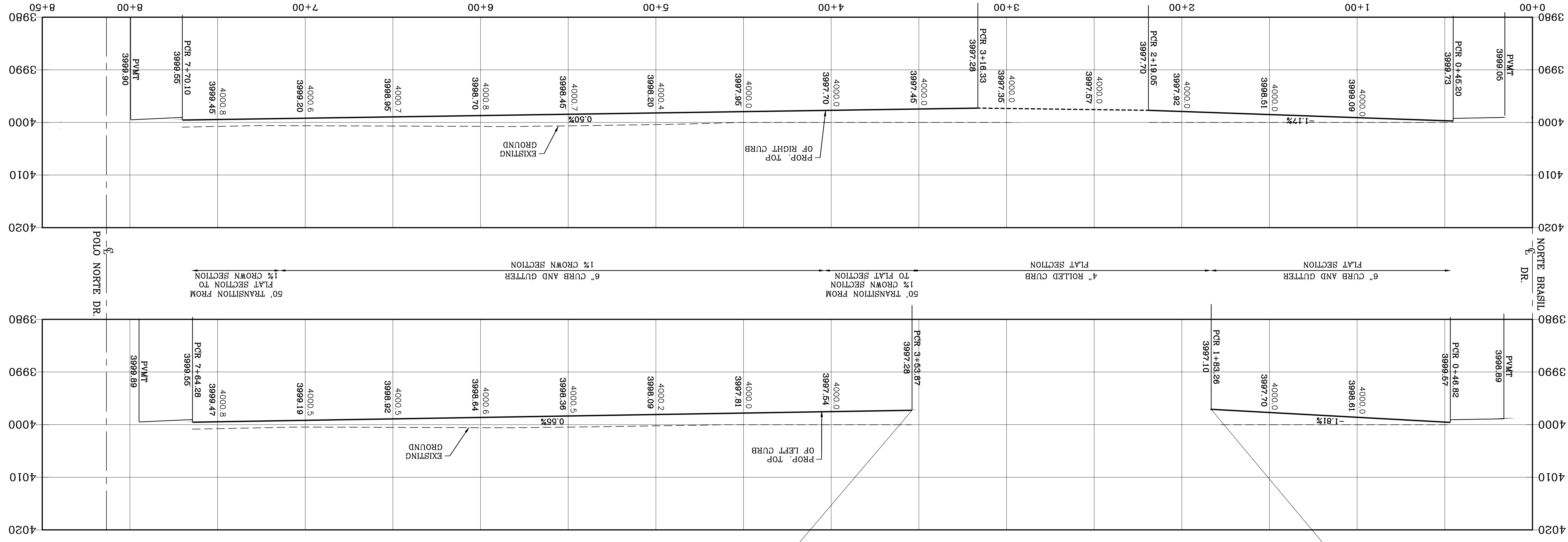
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C1 | 30.00' | 46.59' | 29.48' | 42.05' | S45°28'33"E | 88°59'22" |
| C2 | 30.00' | 47.65' | 30.53' | 42.80' | N44°31'27"E | 91°00'38" |
| C3 | 40.00' | 56.75' | 34.34' | 52.11' | S39°39'42"W | 81°17'08" |
| C4 | 50.00' | 72.00' | 42.24' | 62.77' | N14°44'05"W | 27°30'24" |
| C5 | 65.00' | 19.09' | 9.61' | 19.02' | S20°04'32"E | 16°49'30" |
| C6 | 65.00' | 15.14' | 7.60' | 15.10' | S4°59'30"E | 13°20'33" |
| C7 | 65.00' | 31.75' | 16.20' | 31.43' | S43°39'22"W | 27°59'04" |
| C8 | 65.00' | 31.75' | 16.20' | 31.43' | S43°39'22"W | 27°59'04" |
| C9 | 65.00' | 34.65' | 17.75' | 34.24' | S72°55'14"W | 30°32'40" |
| C10 | 65.00' | 21.56' | 10.88' | 21.46' | N62°18'12"W | 19°00'27" |
| C11 | 50.00' | 25.52' | 13.04' | 25.24' | S87°25'14"E | 29°14'33" |
| C12 | 30.00' | 49.11' | 32.06' | 43.81' | N52°26'31"E | 93°48'06" |
| C13 | 30.00' | 45.32' | 28.25' | 41.13' | N84°44'23"W | 86°33'41" |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|-------------|-----------|
| C14 | 902.00' | 403.26' | 205.06' | 399.91' | N65°09'02"E | 25°56'55" |
| C15 | 934.00' | 461.73' | 235.69' | 457.04' | N66°08'31"E | 28°19'29" |

SEE SHEET 68 FOR DRAINAGE STRUCTURE #4



NOTE: ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 YOUNG CONDE CURRY
 64648
 STATE OF TEXAS
 CIVIL ENGINEER

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME:
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK:
 1/2" BEARS PANEL POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO
 STATIONING: LATITUDE N31°58'39.2960" LONGITUDE 106°29'28.6012"
 ELEVATION: 4000.41 AND 1087.01 TO OUTFIT AND 88 DATA AS REFERENCED TO NAD 83
 418980.75
 ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DRIVE/RAILROAD INTERCEPTOR PLANS

REVISIONS:

DATE:

BY:

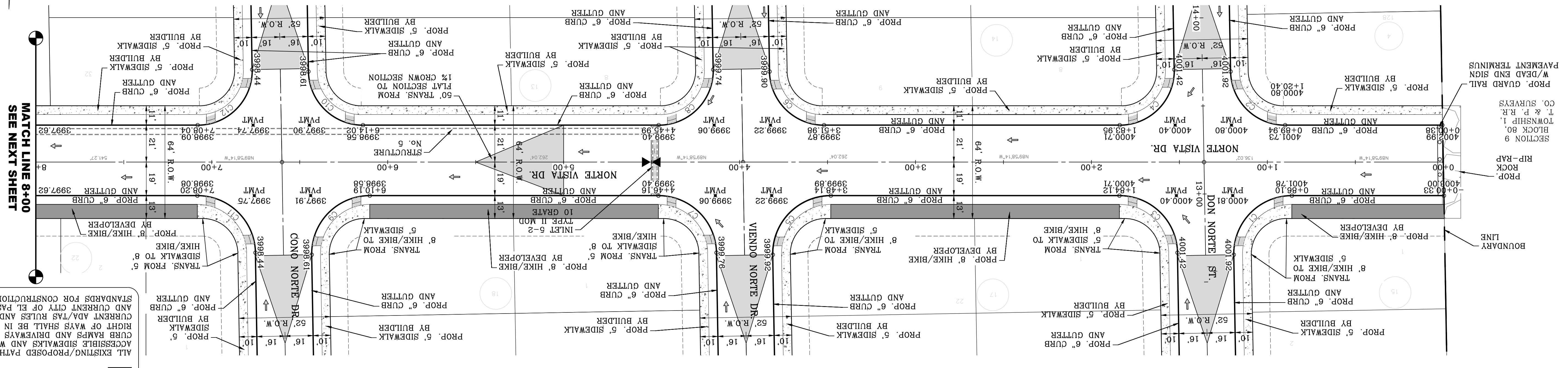
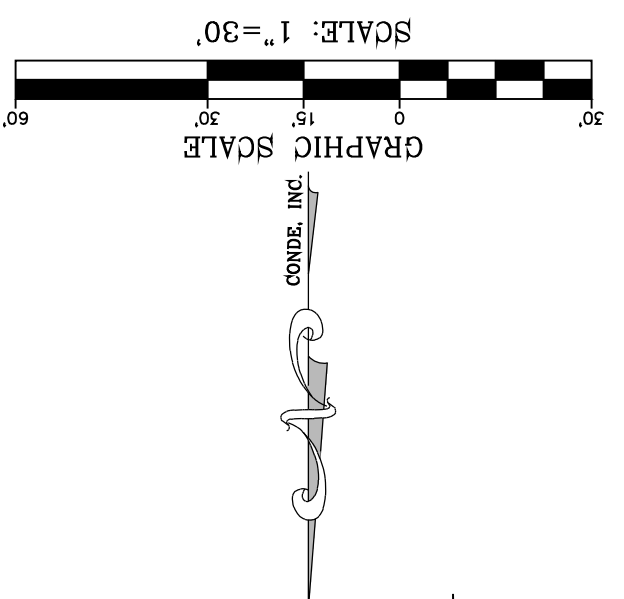
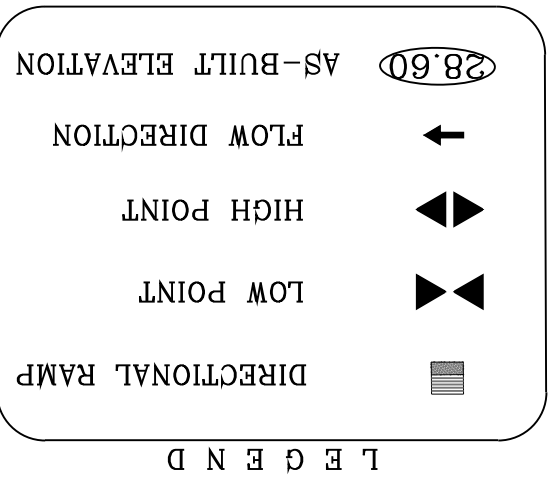
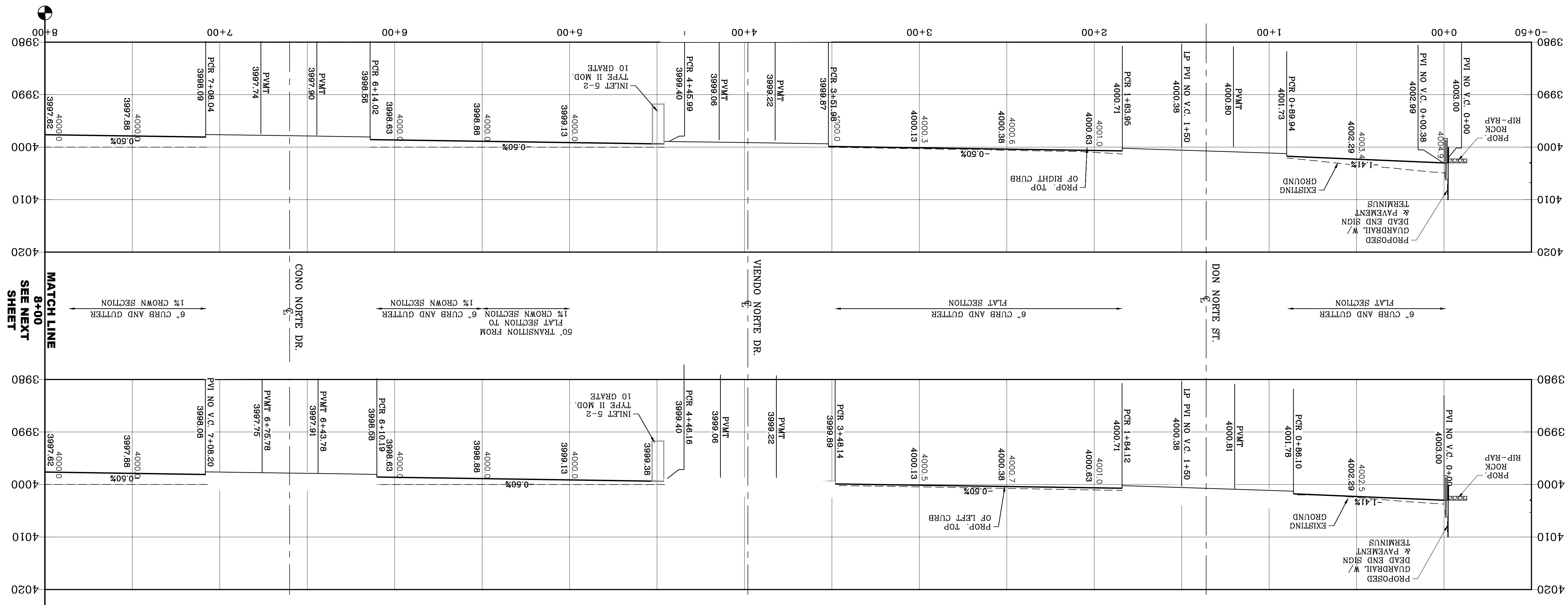
SHEET TITLE:
NORTE MESA LN.
STA: 0+00 TO STA: 8+13.38
SHT 43 OF 83



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|---------|-----------|
| C1 | 33.00' | 52.42' | 33.59' | 47.08' | 47.08' | 88.59'22" |
| C2 | 31.00' | 48.15' | 30.46' | 43.45' | 43.45' | 88.59'22" |
| C3 | 33.00' | 51.25' | 32.42' | 46.26' | 46.26' | 88.59'22" |
| C4 | 31.00' | 49.24' | 31.55' | 44.23' | 44.23' | 91'00'38" |
| C5 | 33.00' | 52.42' | 33.59' | 47.08' | 47.08' | 91'00'38" |
| C6 | 31.00' | 48.15' | 30.46' | 43.45' | 43.45' | 88.59'22" |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|---------|-----------|
| C7 | 33.00' | 51.25' | 32.42' | 46.26' | 46.26' | 88.59'22" |
| C8 | 31.00' | 49.24' | 31.55' | 44.23' | 44.23' | 91'00'38" |
| C9 | 33.00' | 52.42' | 33.59' | 47.08' | 47.08' | 91'00'38" |
| C10 | 31.00' | 48.15' | 30.46' | 43.45' | 43.45' | 88.59'22" |
| C11 | 33.00' | 51.25' | 32.42' | 46.26' | 46.26' | 88.59'22" |
| C12 | 31.00' | 49.24' | 31.55' | 44.23' | 44.23' | 91'00'38" |

SEE SHEET 69 FOR DRAINAGE STRUCTURE #6



NOTE: ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 OSMAR VILLALOBOS
 LICENSE NO. 46468
 STATE OF TEXAS

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME:
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK:
 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE BLOCK 80, T & P. R. 1, TOWNSHIP 1, CO. SURVEYS. ELEVATION -4004.41 AND 1087.01 TO ORIGIN AND 88 DATA AS REFERENCED TO NAD 83. ELEVATION -4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/RAILROAD INTERCHANGE PLANS. REVISIONS: 11/18/20
 BY: F.R.

SHEET 44 OF 83
NORTE VISTA DR.
 STA. 0+00 TO STA. 8+00
 SHEET TITLE
 CONDE INC.
 REGISTRATION NO. F-2221

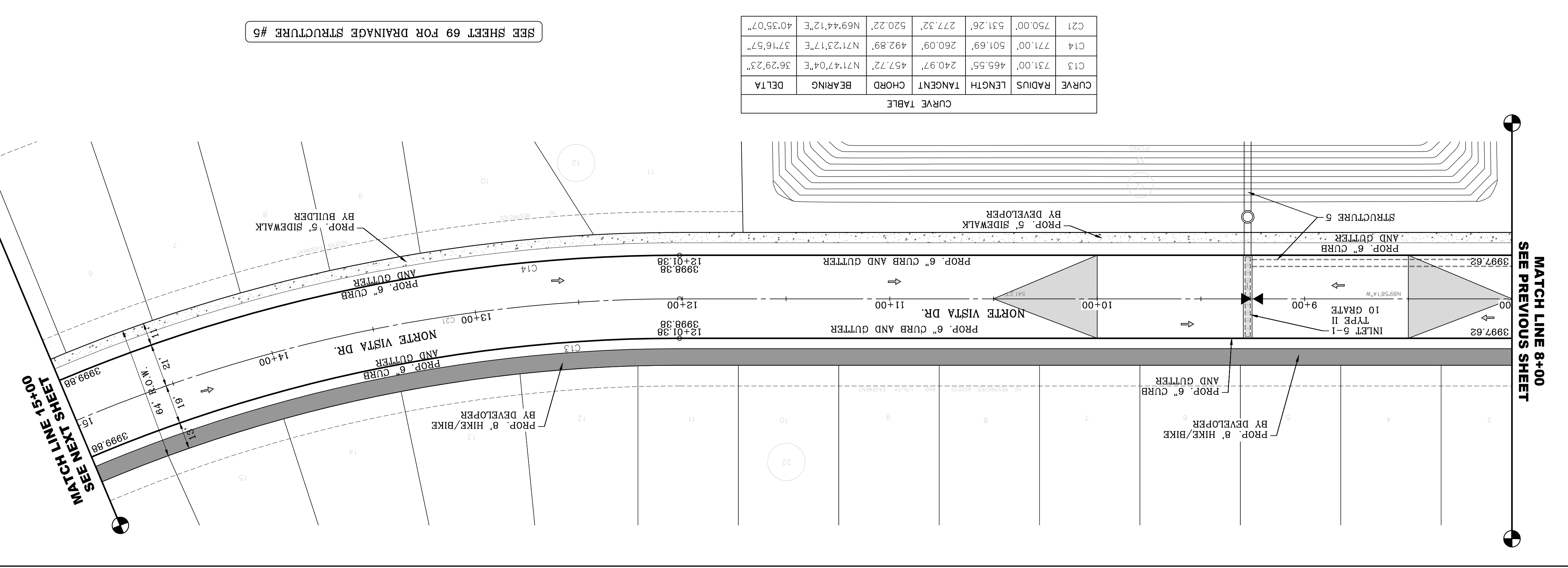
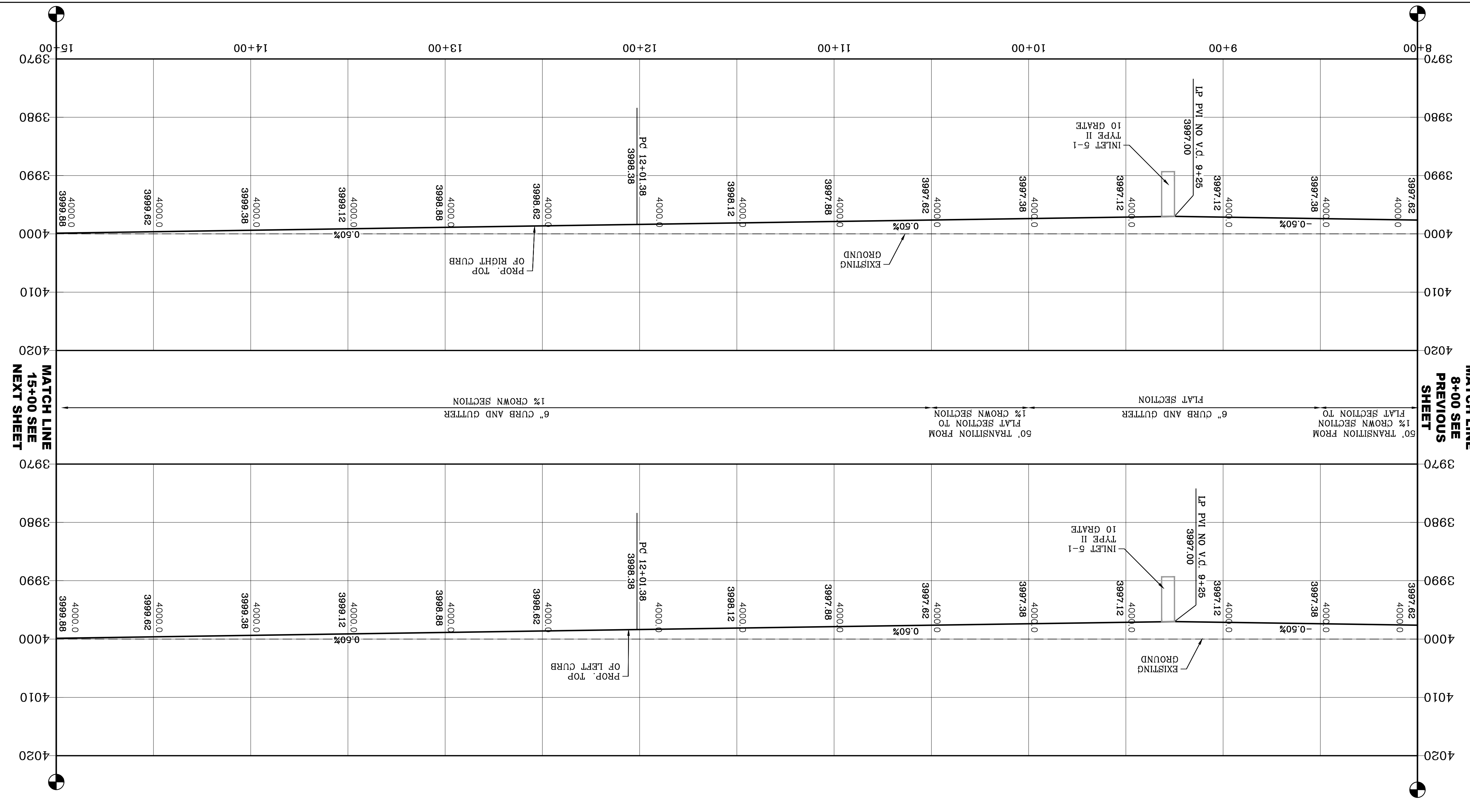
THE CITY OF EL PASO, TEXAS

Oscar Villalobos
 03/11/2022
 DATE

LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP

NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

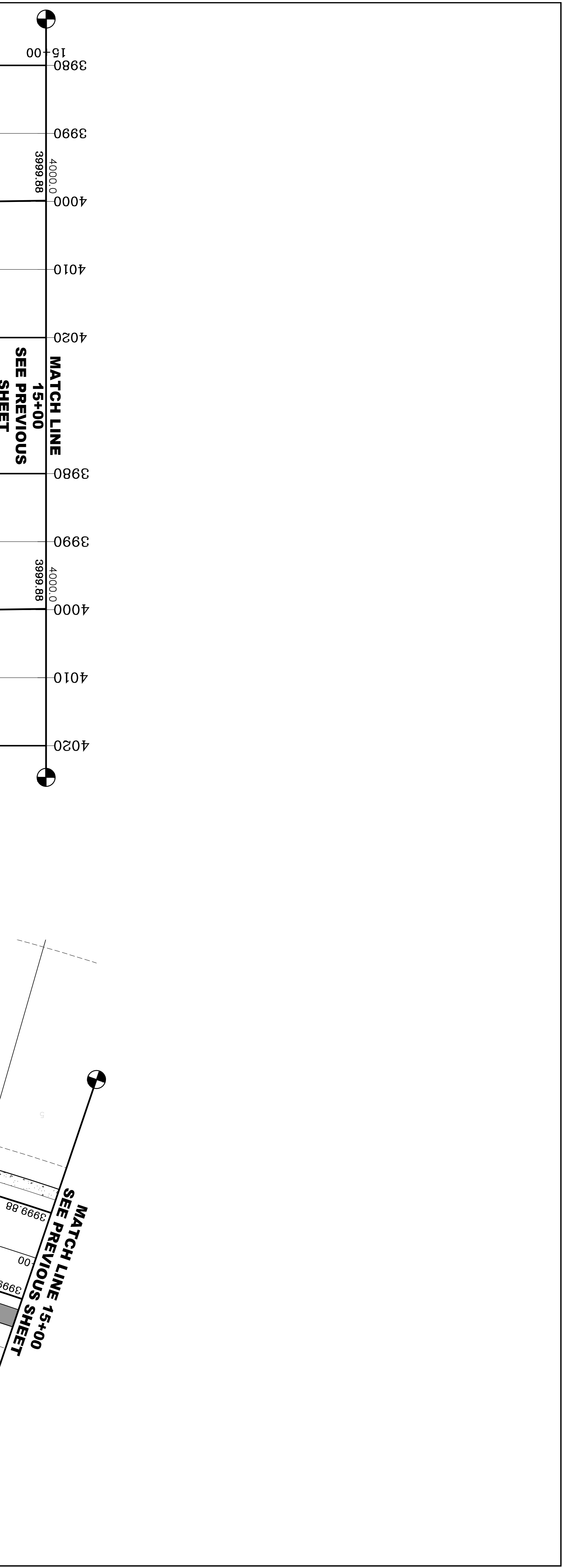
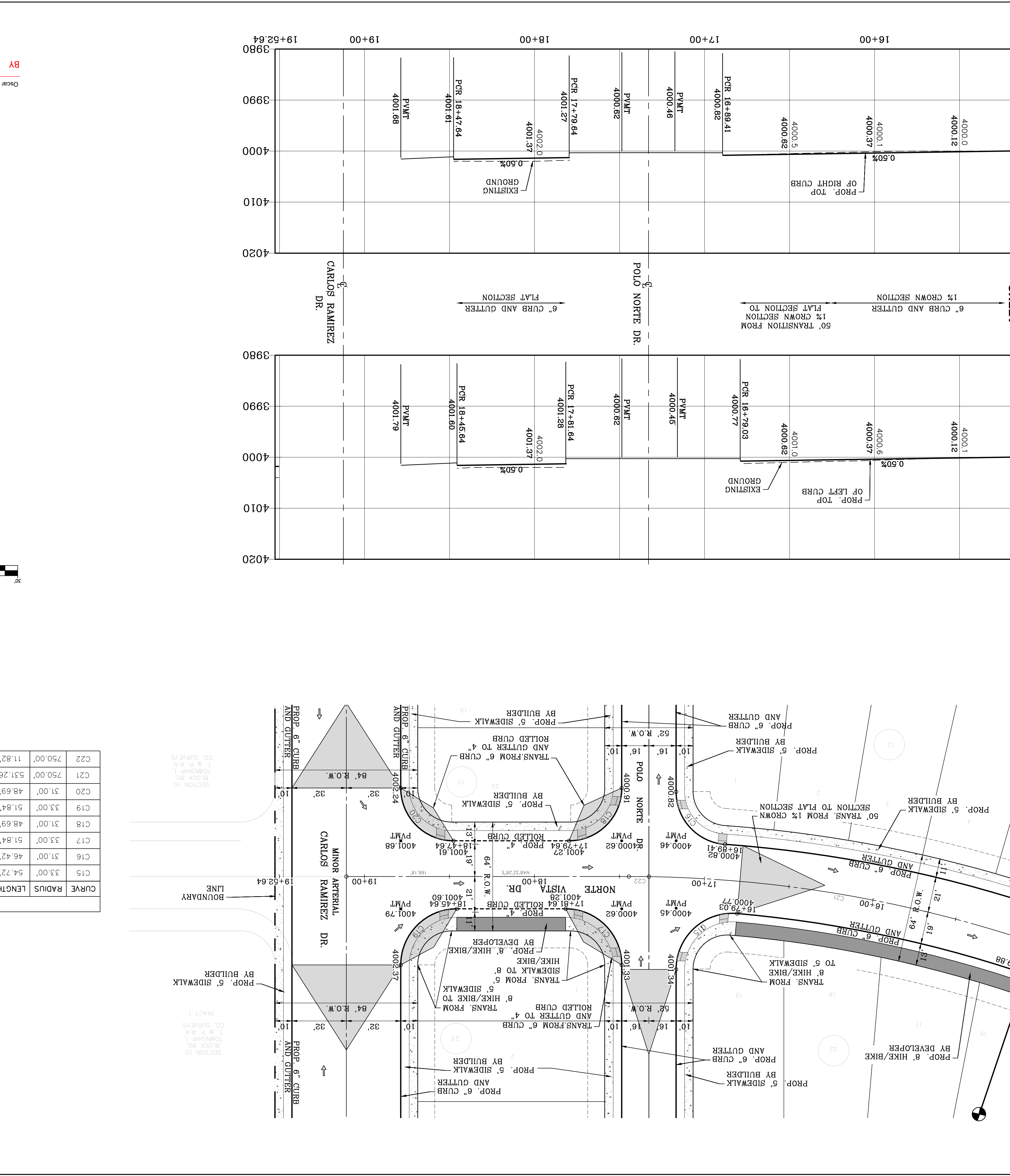


DATE: 03/11/2022
BY: Oscar Villalobos

DATE: _____
BY: _____

GRAPHIC SCALE: 1" = 30'

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|-------------|-----------|
| C15 | 33.00' | 54.72' | 36.01' | 48.66' | N67°02'26"E | 94°59'55" |
| C16 | 33.00' | 46.42' | 28.80' | 42.20' | N84°21'21"W | 85°47'39" |
| C17 | 33.00' | 51.84' | 33.00' | 46.67' | S86°27'32"E | 90°00'00" |
| C18 | 31.00' | 48.69' | 31.00' | 43.84' | S33°32'28"W | 90°00'00" |
| C19 | 33.00' | 51.84' | 33.00' | 46.67' | S33°32'28"W | 90°00'00" |
| C20 | 31.00' | 48.69' | 31.00' | 43.84' | N86°27'32"W | 90°00'00" |
| C21 | 750.00' | 531.26' | 277.32' | 520.22' | N69°44'12"E | 40°35'07" |
| C22 | 750.00' | 11.82' | 5.91' | 11.82' | N48°59'33"E | 0°54'10" |



MATCH LINE 15+00
SEE PREVIOUS SHEET

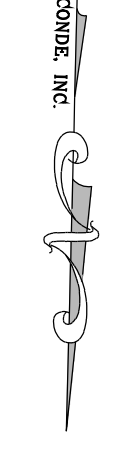
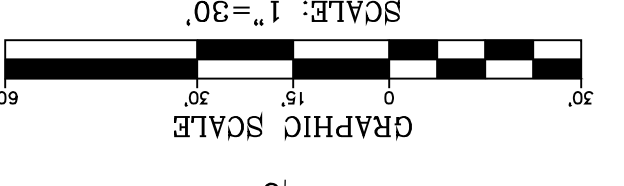
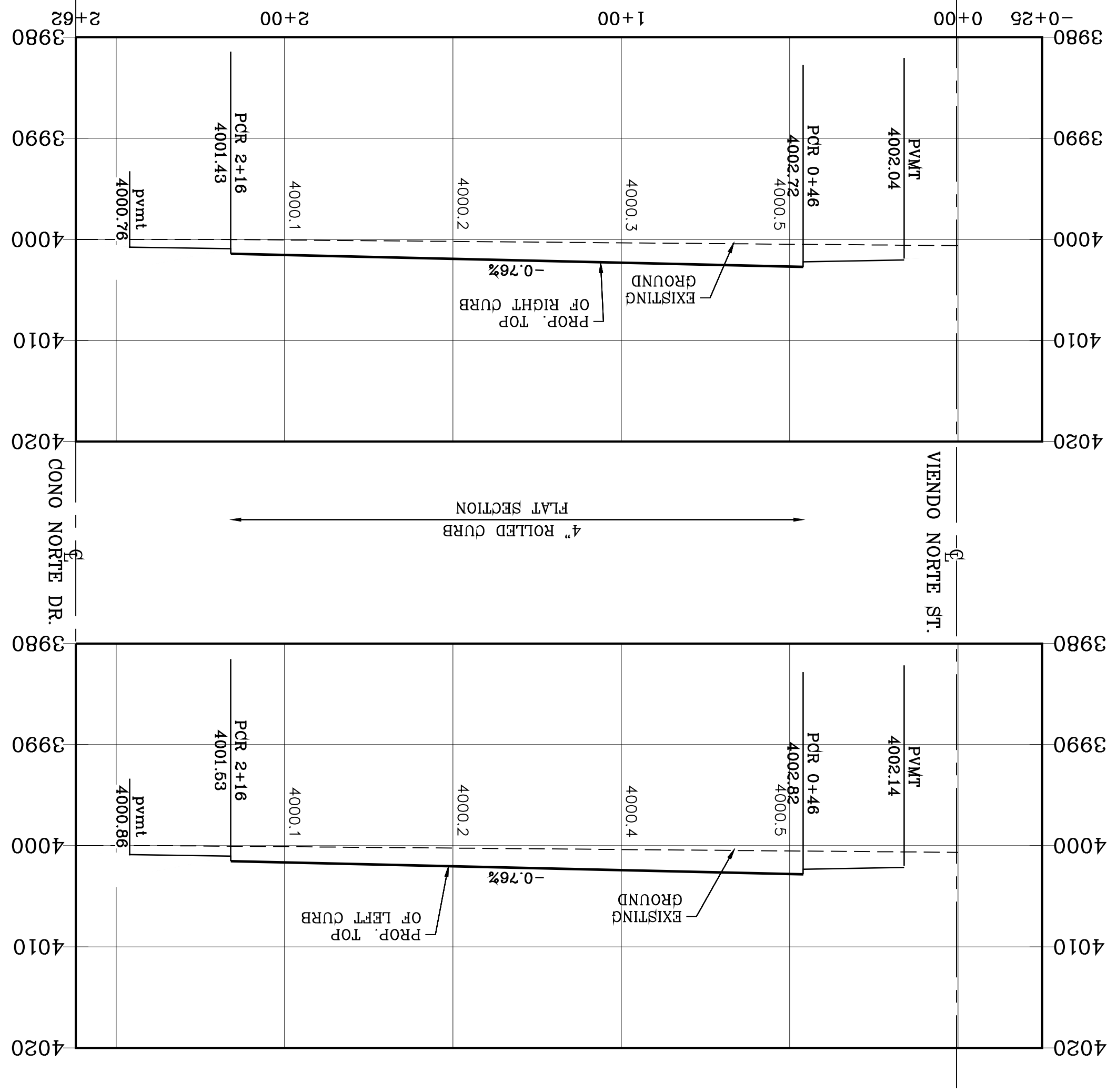
MATCH LINE 19+52.64
SEE PREVIOUS SHEET

LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP

NOTE:

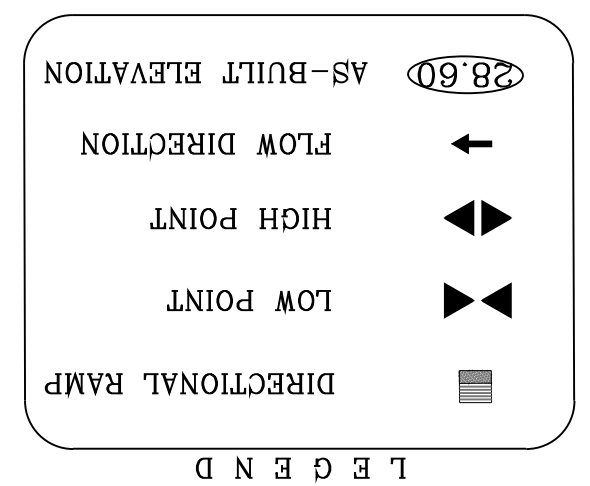
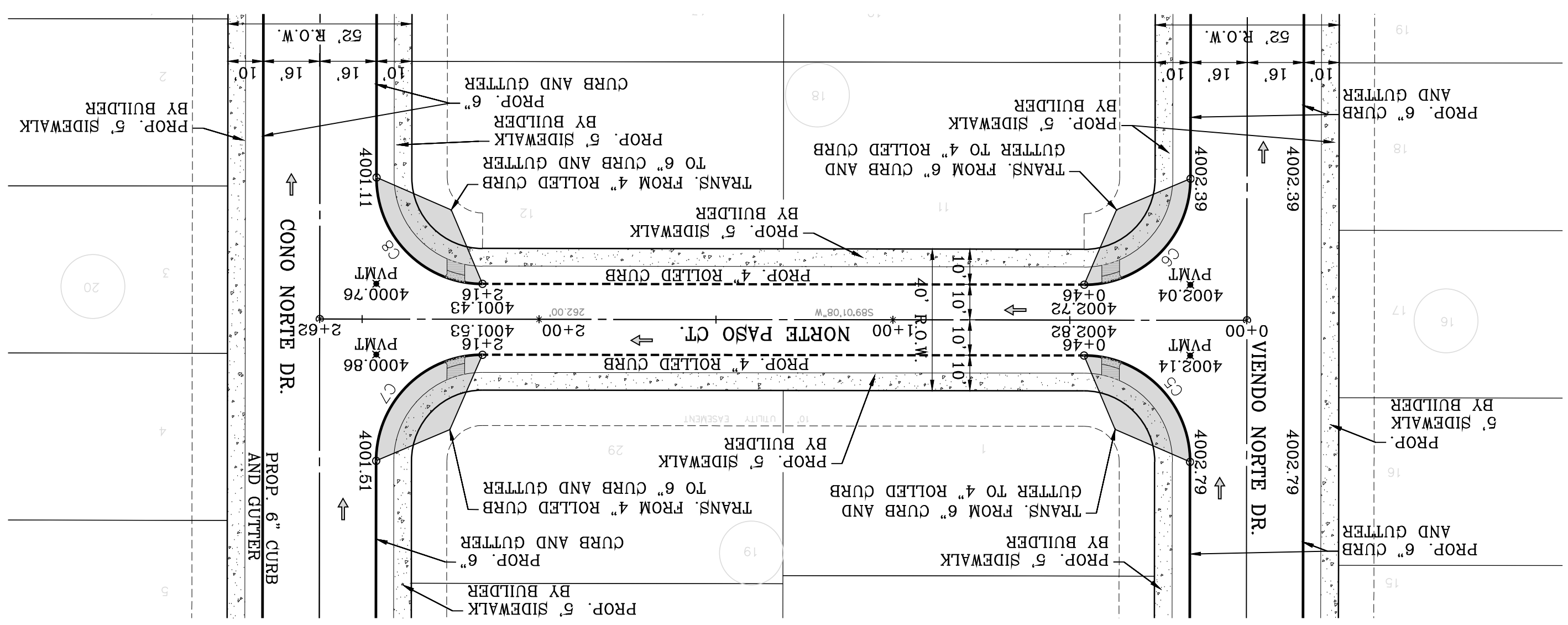
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



DATE _____
 Oscar Villalobos
 03/11/2022



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C8 | 30.00' | 47.12' | 30.00' | 42.43' | N45°58'52"W | 90°00'00" |
| C7 | 30.00' | 47.12' | 30.00' | 42.43' | N44°01'08"E | 90°00'00" |
| C6 | 30.00' | 47.12' | 30.00' | 42.43' | S44°01'08"W | 90°00'00" |
| C5 | 30.00' | 47.12' | 30.00' | 42.43' | S45°58'52"E | 90°00'00" |
| DELTA | | | | | | |



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 47 OF 83

NORTE PASO CT.
 STA: 0+00 TO
 STA: 6+00

SHEET TITLE

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL

CONDE INC.

SCALE

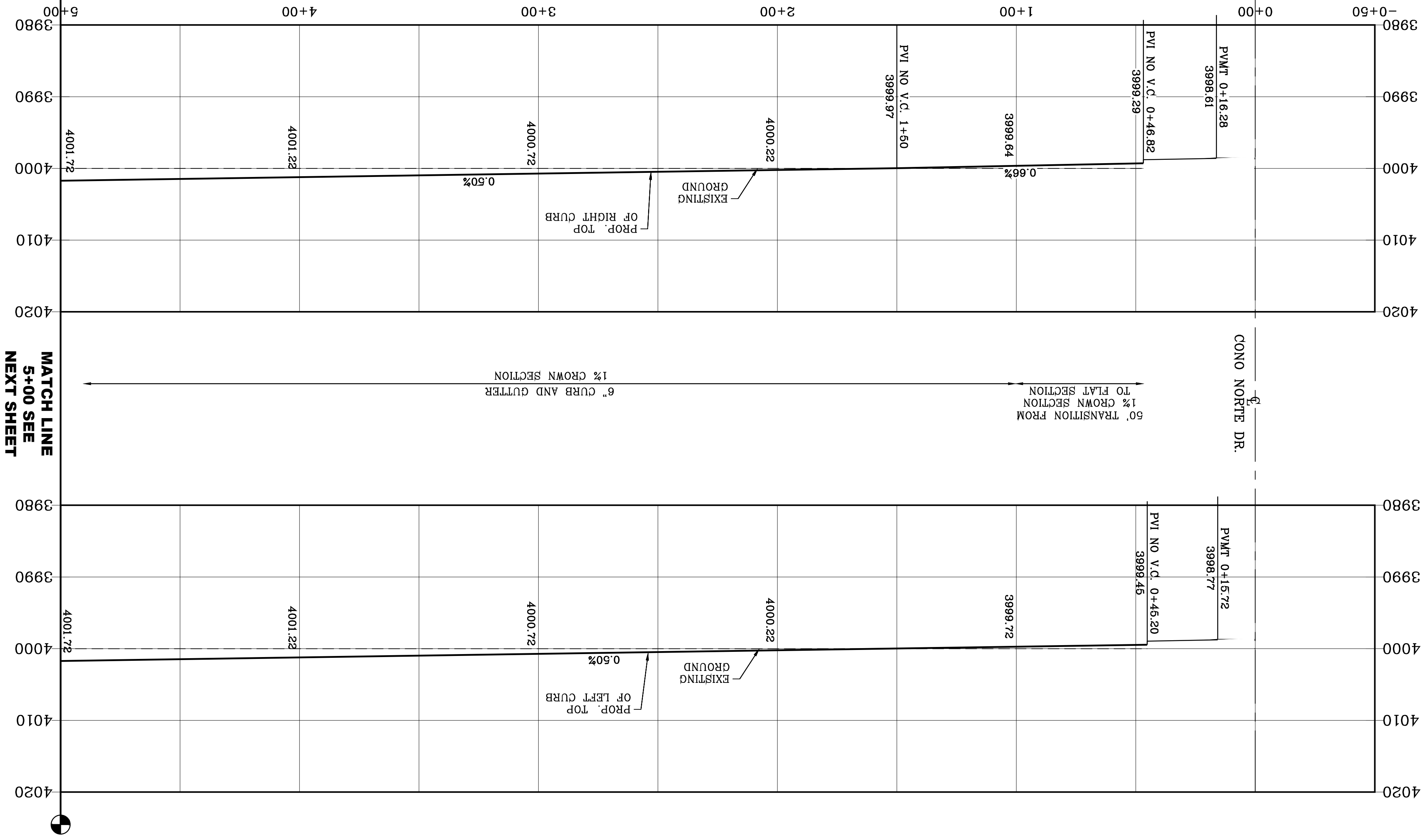
HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

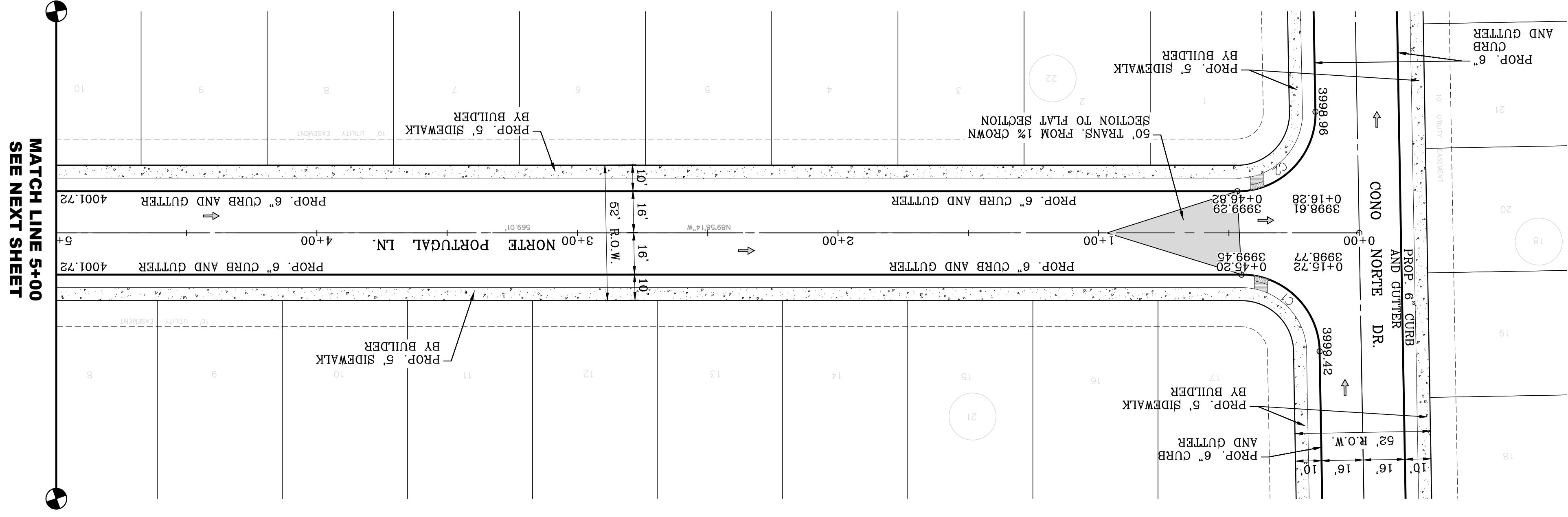
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,86224 ACRES

BENCHMARK
 1/2" BEARING PIVOT POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE
 N46°57'18"W - 187.82 FEET FROM THE NORTHEAST CORNER OF VISTA DEL NORTE
 STATIONING: 4004.41 AND 10 FEET TO ORIGIN AND 88 DATA AS REFERENCED TO
 ELEVATION: -4013.12 PER BENCHMARK DATA SHOWN ON THE
 NORTHWEST CORNER OF VISTA DEL NORTE
 ELEVATION: -4013.12 PER BENCHMARK DATA SHOWN ON THE
 NORTHEAST CORNER OF VISTA DEL NORTE
 REVISIONS



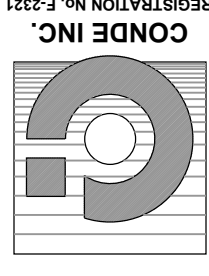
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|-------------|-----------|-----------|
| C1 | 30.00' | 46.59' | 29.48' | 54.528'33"E | 88.59'22" | 91.00'38" |
| C2 | 30.00' | 47.65' | 30.53' | 54.431'27"W | 91.00'38" | |



Oscar Villalobos
DATE 03/11/2022

SHT 48 OF 83

NORTE
PORTUGAL LN.
STA: 0+00 TO
STA: 5+00

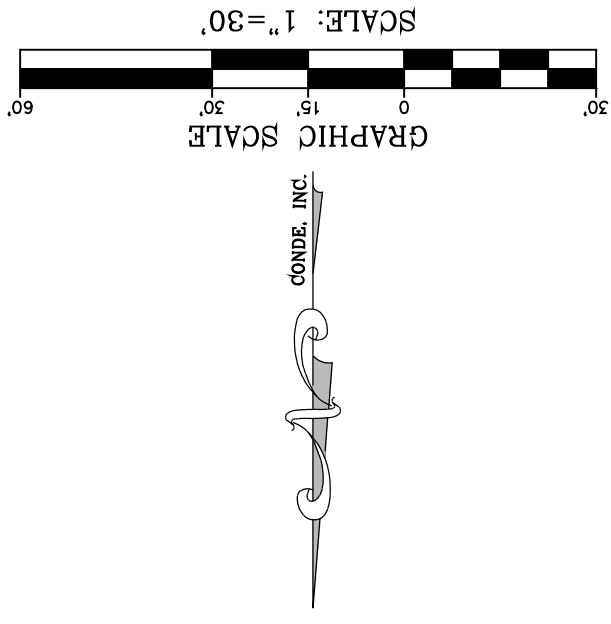


CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SCALE
HORIZ: = 30'
VERT: = 10'
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

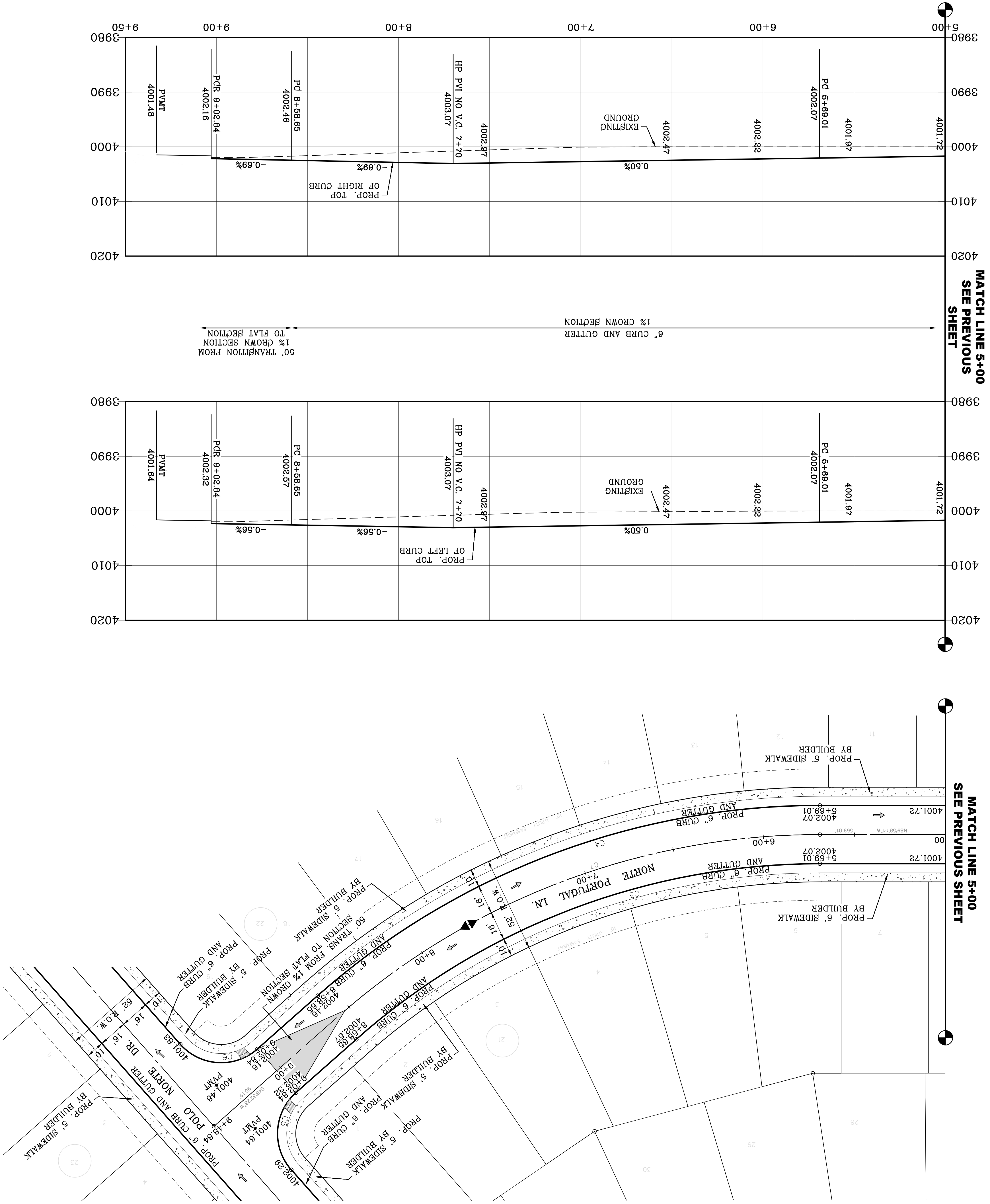
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT
TWO
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128.822± ACRES



- LEGEND**
- AS-BUILT ELEVATION
 - FLOW DIRECTION
 - HIGH POINT
 - LOW POINT
 - DIRECTIONAL RAMP

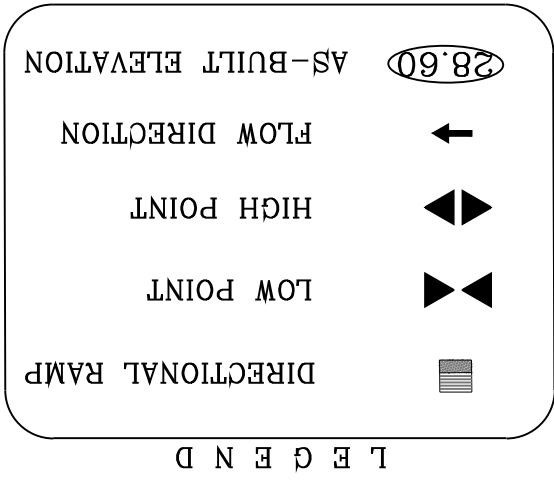
NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

BENCHMARK
1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 146°57'18" W, 187.22 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION=4004.41 AND 10 FEET TO OBTAIN NAD 88 DATA AS REFERENCED TO NAD 83 ELEVATION=4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DIVER/RAILROAD INTERCEPTOR PLANS
DATE
BY



CURVE TABLE

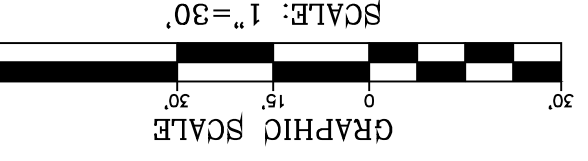
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---|---|---|--|------------------------|-----------|
| C7 | 400.00' | 289.64' | 151.50' | 283.36' | N69°17'07"E | 41°29'18" |
| C6 | 30.00' | 47.12' | 30.00' | 42.43' | N86°27'32"W | 90°00'00" |
| C5 | 30.00' | 47.12' | 30.00' | 42.43' | N3°32'28"E | 90°00'00" |
| C4 | 416.00' | 301.23' | 157.56' | 294.69' | N69°17'07"E | 41°29'18" |
| C3 | 384.00' | 278.06' | 145.44' | 272.02' | N69°17'07"E | 41°29'18" |
| CURVE | RADIUS <td>LENGTH <td>TANGENT <td>CHORD <td>BEARING <td>DELTA</td> </td></td></td></td> | LENGTH <td>TANGENT <td>CHORD <td>BEARING <td>DELTA</td> </td></td></td> | TANGENT <td>CHORD <td>BEARING <td>DELTA</td> </td></td> | CHORD <td>BEARING <td>DELTA</td> </td> | BEARING <td>DELTA</td> | DELTA |



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



BY _____ DATE _____
 Oscar Villalobos 03/11/2022



SHT 49 OF 83

NORTE PORTUGAL LN.
 STA: 5+00 TO STA: 9+50

SHEET TITLE

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL

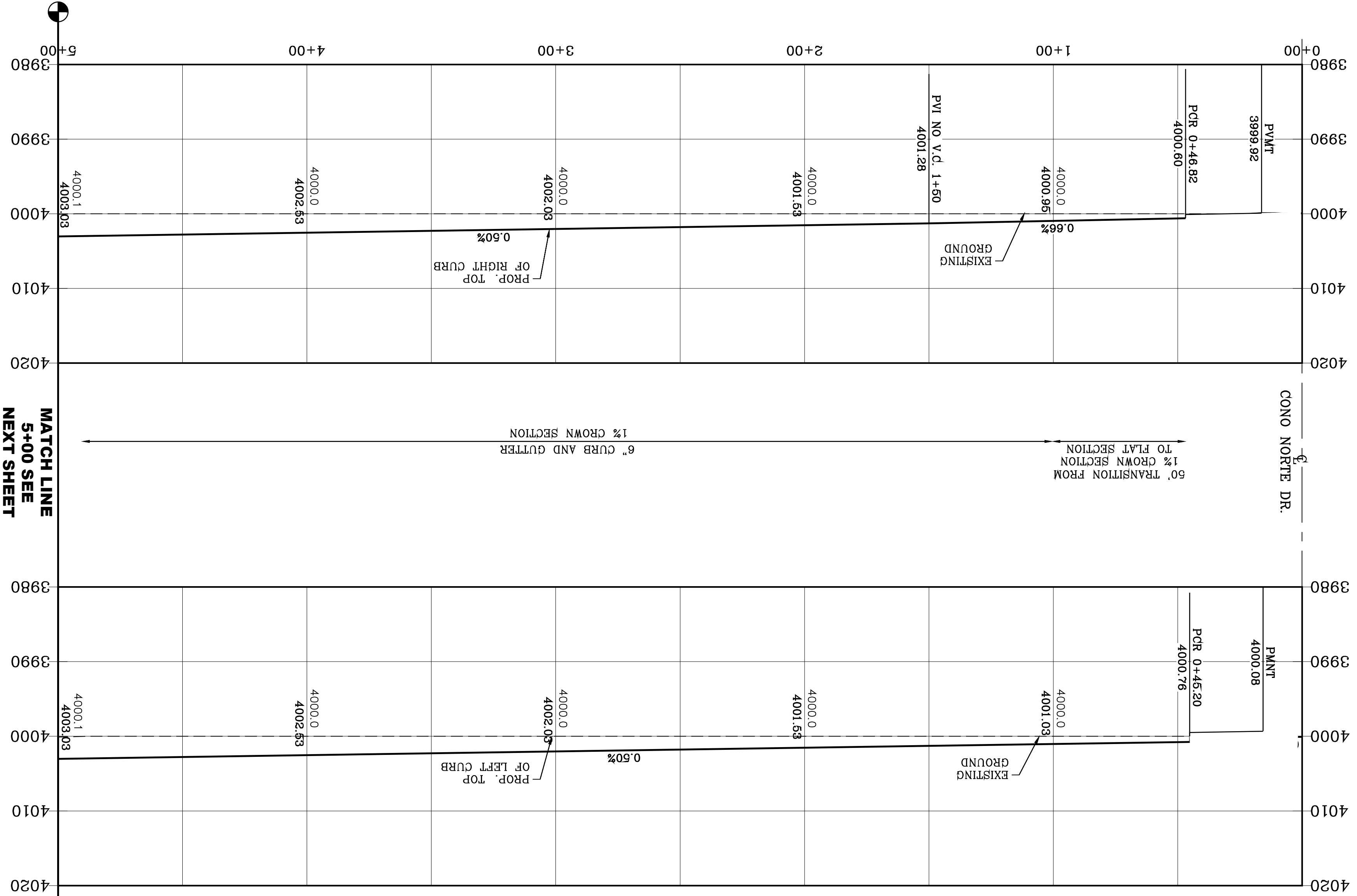
SCALE: 1" = 30'
 GRAPHIC SCALE

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

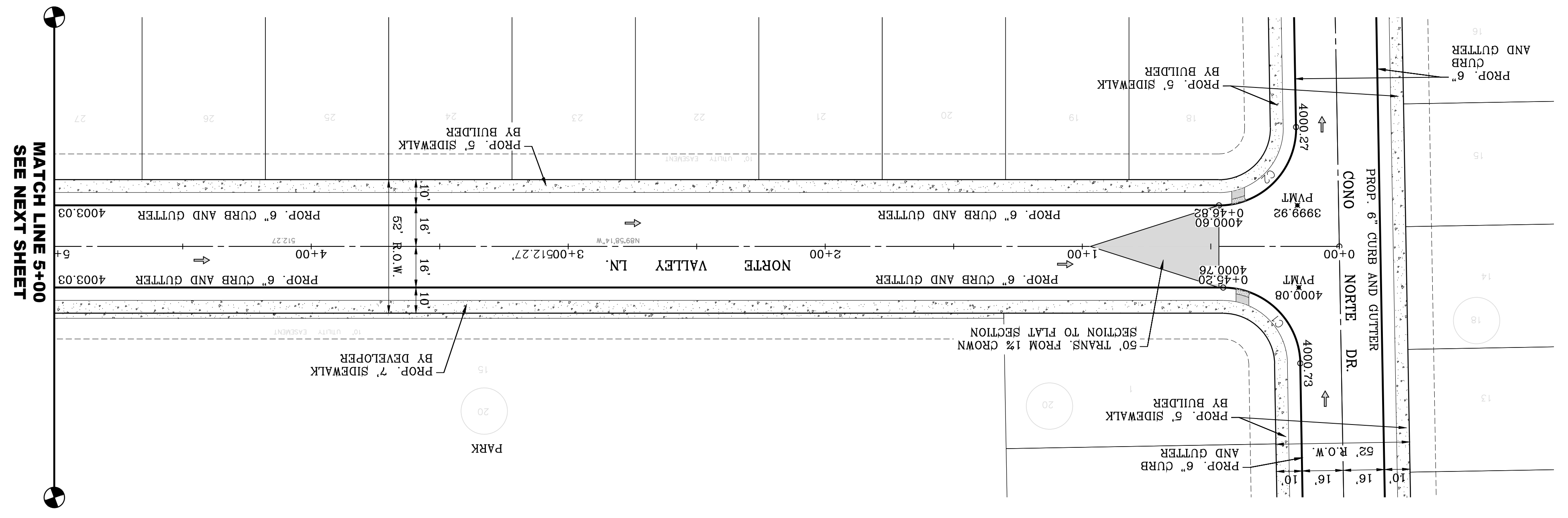
BENCHMARK
 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO
 ELEVATION -4004.41 AND 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83
 ELEVATION -4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DIVER/RAILROAD INTERCEPTOR PLANS

REVISIONS

| NO. | DATE | BY |
|-----|------|----|
| | | |



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|---------|----------------|-----------|
| C1 | 30.00' | 46.59' | 29.48' | 545.28' | 88.59°22'22" | |
| C2 | 30.00' | 47.65' | 30.53' | 42.80' | 544.31°27'27"W | 91°00'58" |



By _____
 Oscar Villalobos
 03/11/2022
 DATE

SHT 50 OF 83

NORTE VALLEY LN.
 STA: 0+00 TO STA: 5+00

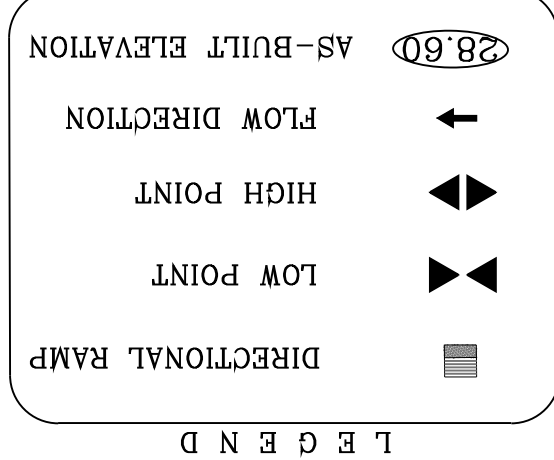
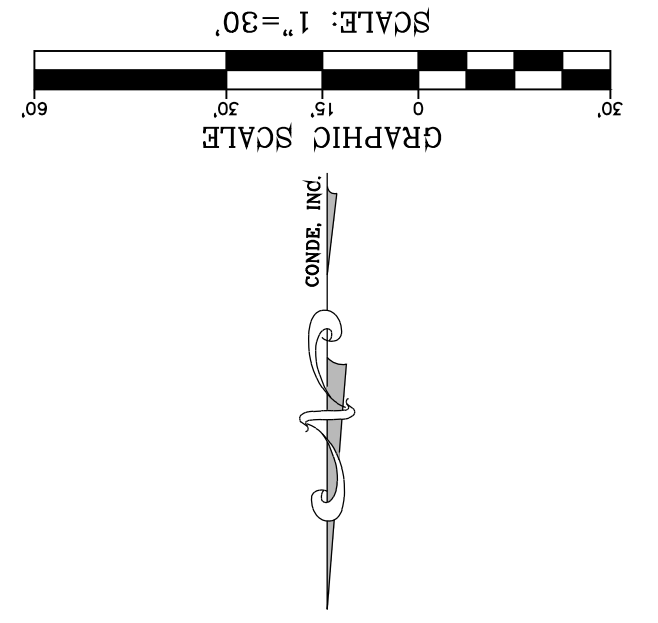


CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



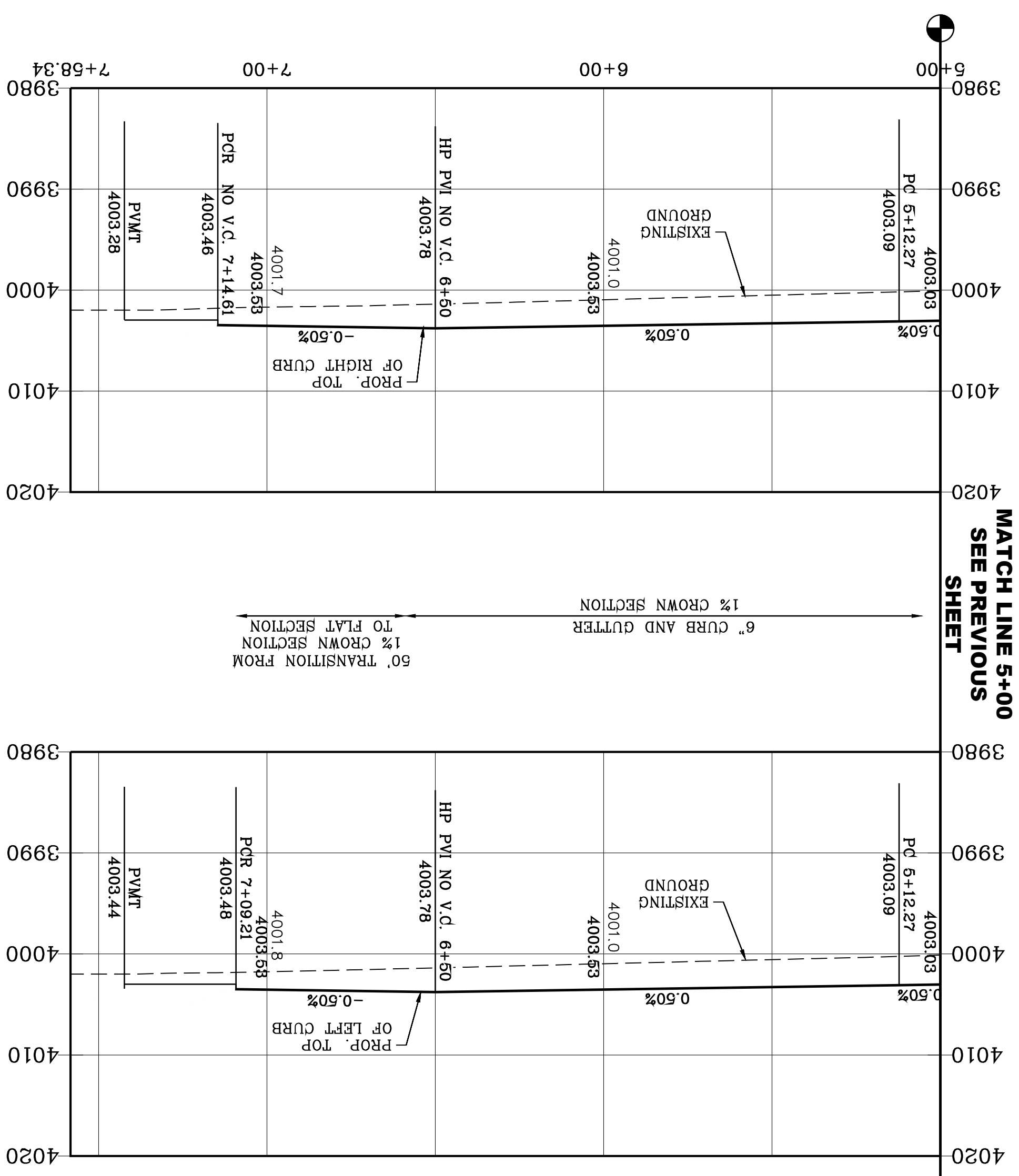
SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING 128.8622± ACRES



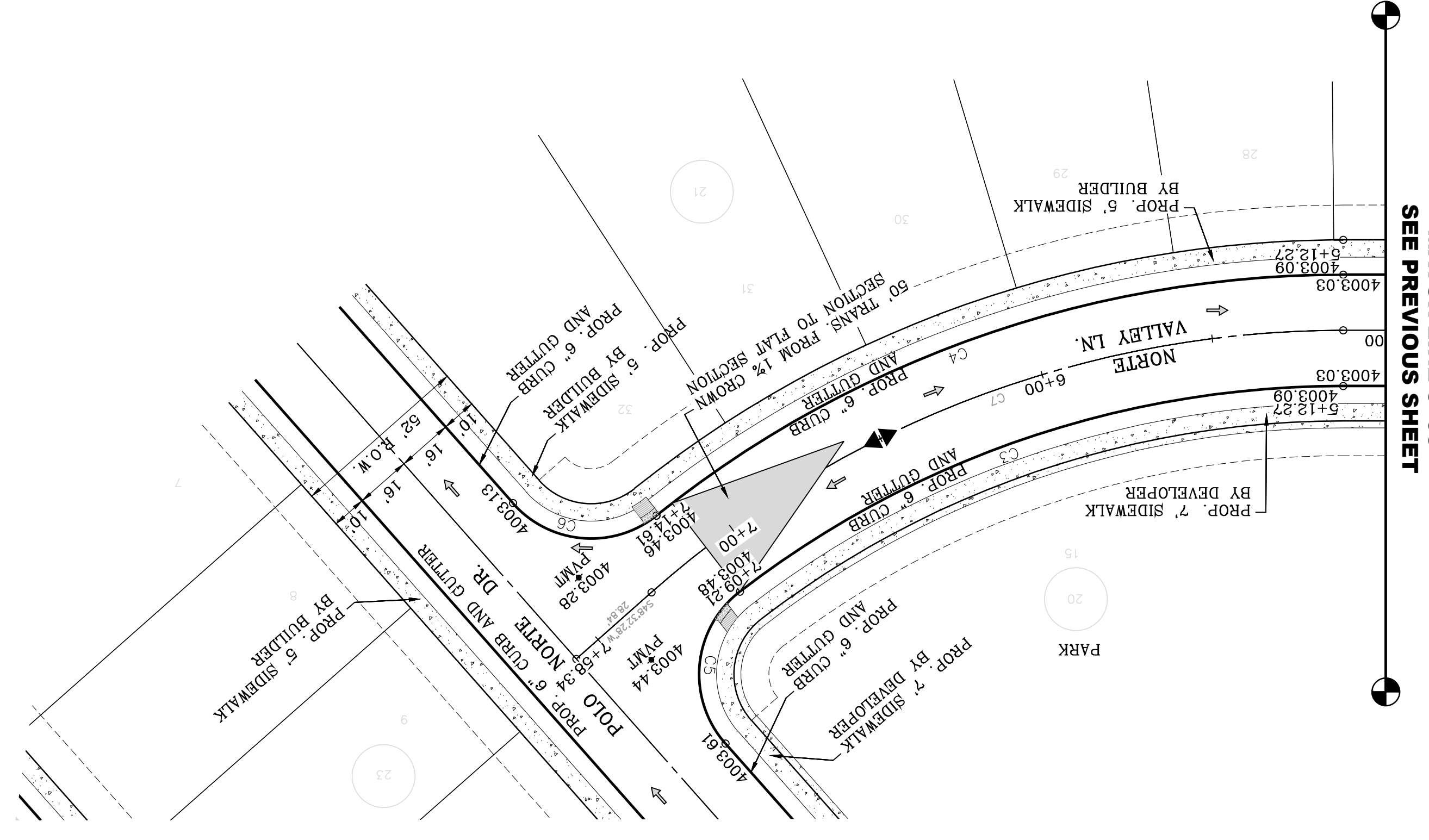
NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

BENCHMARK
 1/2" BEARING PINE POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE
 N46°57'18"W-187.282 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE
 ELEVATION=4004.41
 SUDIVISION: LATITUDE N31°58'39.7980" LONGITUDE: 106°43'28.6012"
 41 AND 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO
 NAD 83 DATUM
 ELEVATION=4013.12 PER BENCHMARK DATA SHOWN ON THE
 NORTHWEST CORNER OF VISTA DEL NORTE
 REVISIONS

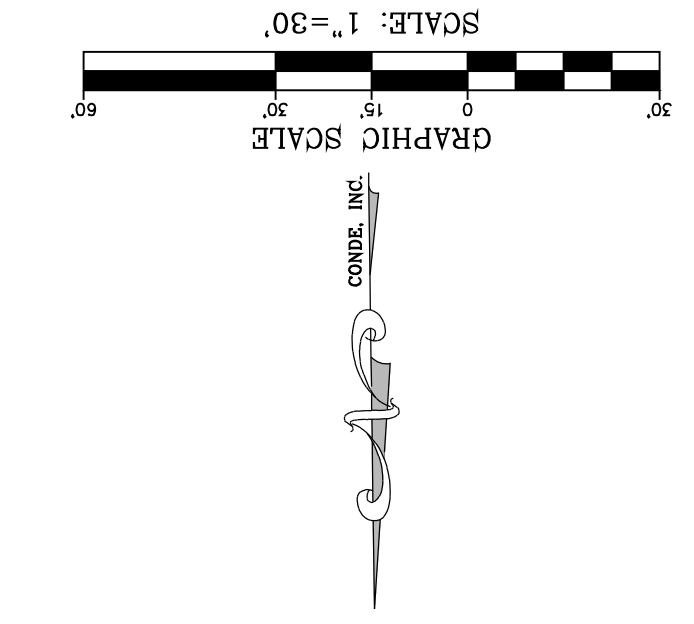


MATCH LINE 5+00
SEE PREVIOUS SHEET

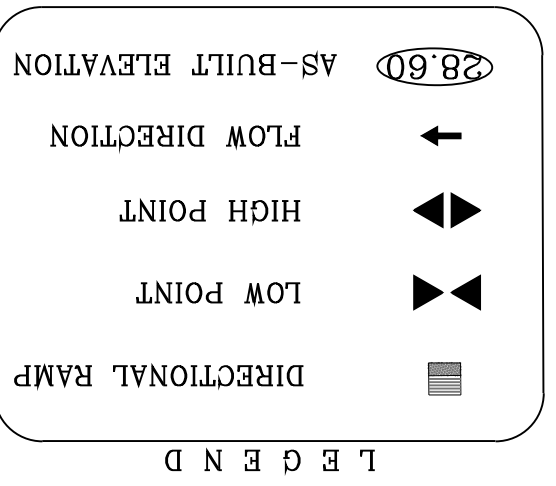
MATCH LINE 5+00
SEE PREVIOUS SHEET



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|-------------|-----------|
| C7 | 300.00' | 217.23' | 113.62' | 212.52' | N69°17'07"E | 41°29'18" |
| C6 | 30.00' | 45.64' | 28.55' | 41.36' | N85°02'14"W | 87°09'24" |
| C5 | 30.00' | 49.15' | 32.10' | 43.84' | N52°8'42"E | 93°52'28" |
| C4 | 316.00' | 213.14' | 110.80' | 209.12' | N70°42'25"E | 38°38'42" |
| C3 | 284.00' | 186.44' | 96.72' | 183.11' | N71°3'21"E | 37°36'49" |
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |



NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



SHT 51 OF 83
NORTE VALLEY LN.
STA: 5+00 TO
STA: 7+58.34



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SUFFERTY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS COUNTY, TEXAS, CONTAINING: 128,8622# ACRES

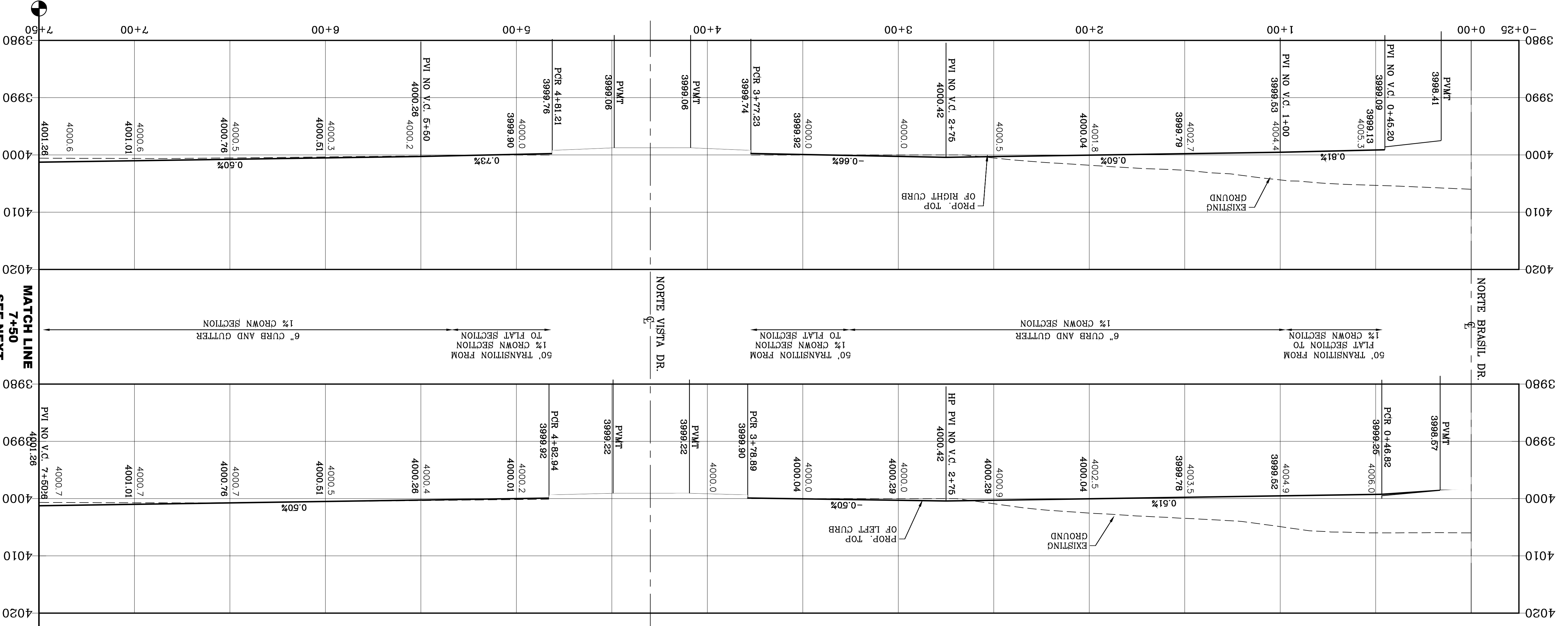
BENCHMARK
1/2" BEARING PAPER POINT FROM THE POINTS LOCATED N46°57'18"W-187'82 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N81°58'39.7980" LONGITUDE: 106°21'28.6012" ELEVATION: 4004.41 ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83. POINT NO. 419890.76 ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DYER/RAILROAD INTERCEPTOR PLANS

REVISIONS

BY

Oscar Villalobos
DATE

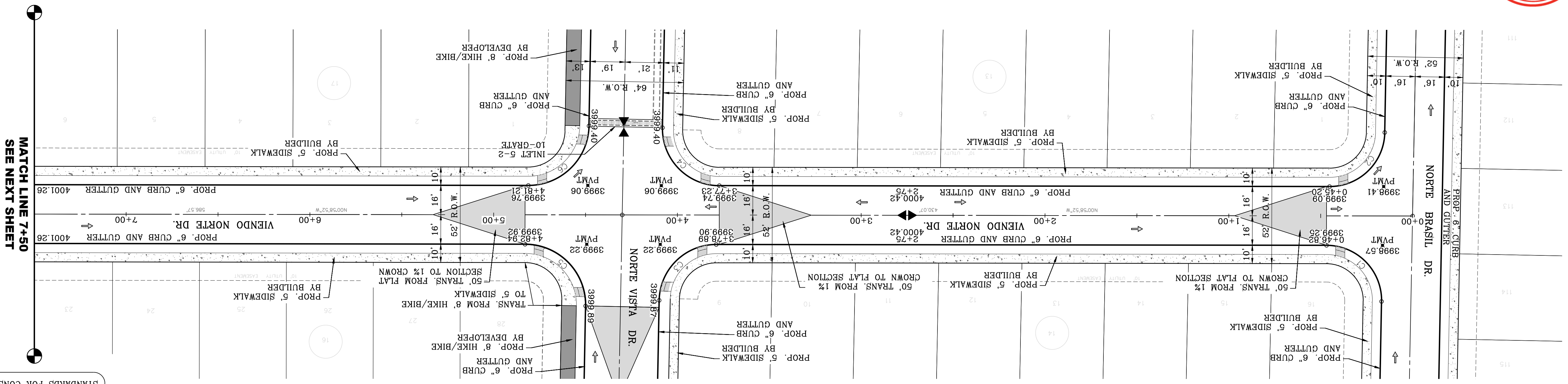
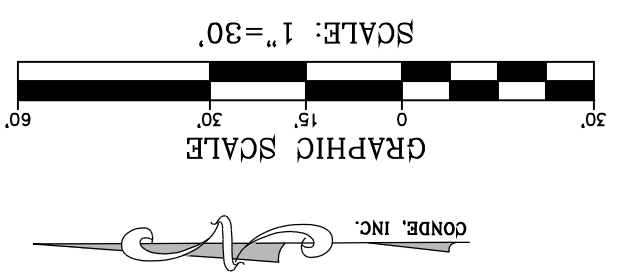
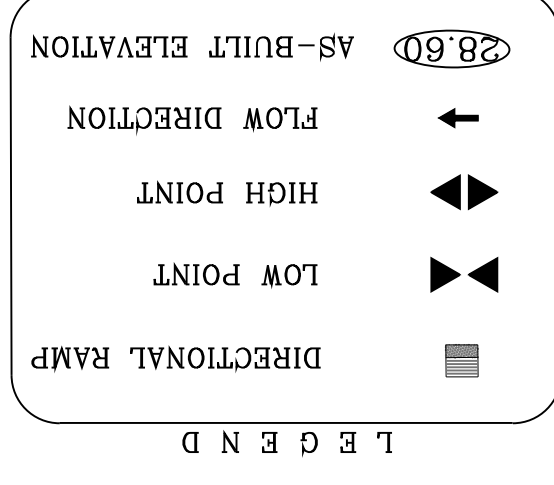




CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C1 | 30.00' | 47.65' | 30.53' | 42.80' | N44°31'27"E | 91°00'38" |
| C2 | 30.00' | 46.59' | 29.48' | 42.05' | S45°28'33"W | 88°59'22" |
| C3 | 31.00' | 48.15' | 30.46' | 43.45' | N45°28'33"W | 88°59'22" |
| C4 | 31.00' | 49.24' | 31.55' | 44.23' | S44°31'27"W | 91°00'38" |
| C5 | 33.00' | 52.42' | 33.59' | 47.08' | N44°31'27"E | 91°00'38" |
| C6 | 33.00' | 51.25' | 32.42' | 46.26' | S45°28'33"E | 88°59'22" |

SEE SHEET 69 FOR DRAINAGE STRUCTURE #5



NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAY SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6050 SUFREY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
Oscar Villalobos
Professional Engineer
No. 41980
State of Texas

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE
MARCH 2017

DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

BENCHMARK
1/2" BEARING PIVOT POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO FROM THE NORTHWEST CORNER OF THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. ELEVATION: 4001.26. LATITUDE: N31°58'39.2960" LONGITUDE: 106°23'28.6012" ELEVATION: 4001.41. ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAVD 88 DATUM. ELEVATION: 4001.26. LATITUDE: N31°58'39.2960" LONGITUDE: 106°23'28.6012" ELEVATION: 4001.26. LATITUDE: N31°58'39.2960" LONGITUDE: 106°23'28.6012" ELEVATION: 4001.26. LATITUDE: N31°58'39.2960" LONGITUDE: 106°23'28.6012"

REVISIONS

DATE

BY

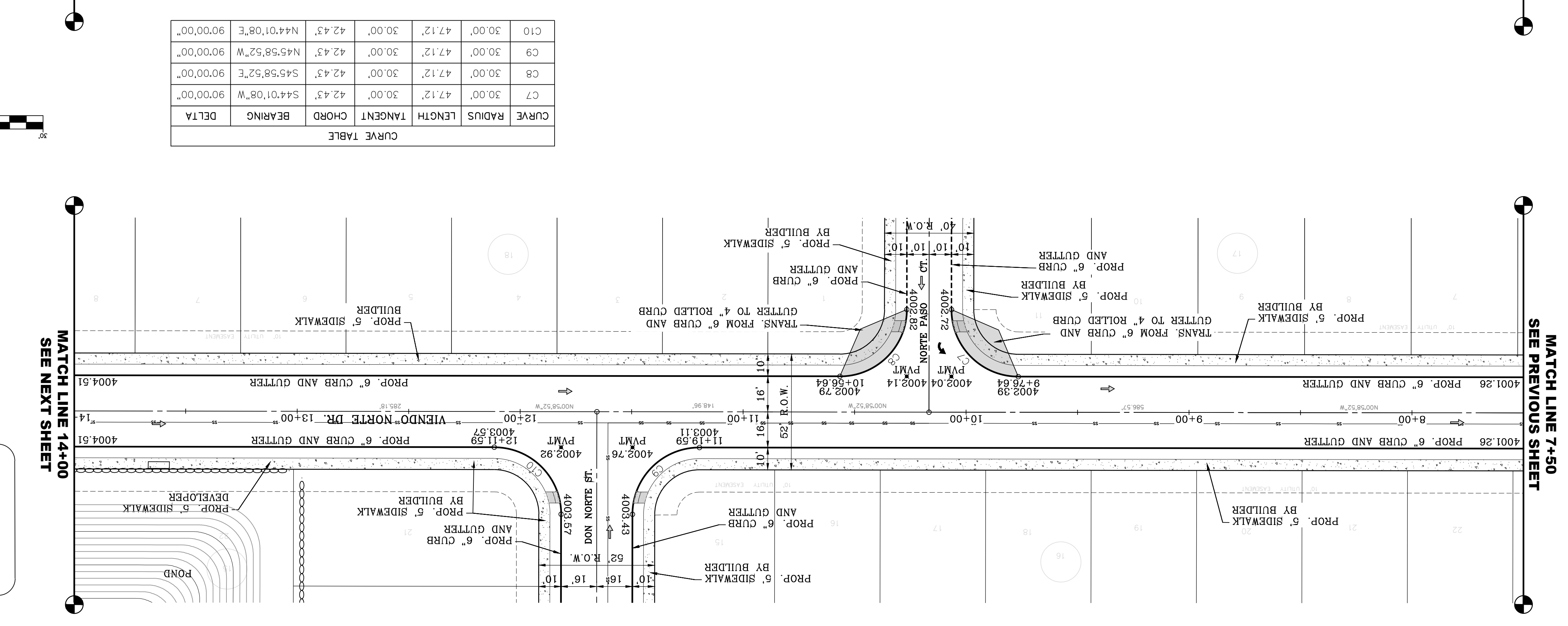
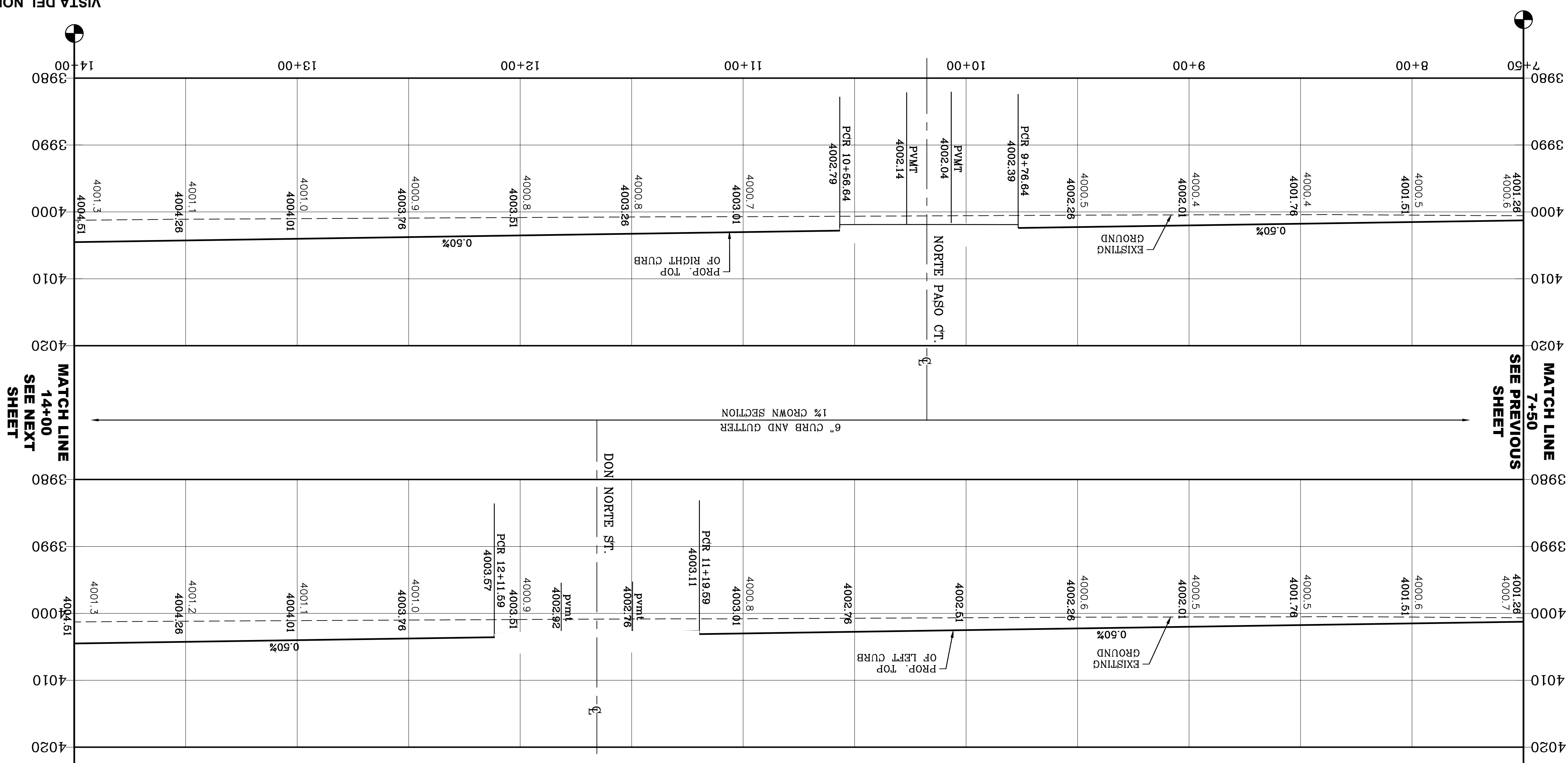
SHT 52 OF 83

VISTO DEL NORTE
DR.
STA: 0+00 TO STA: 7+50

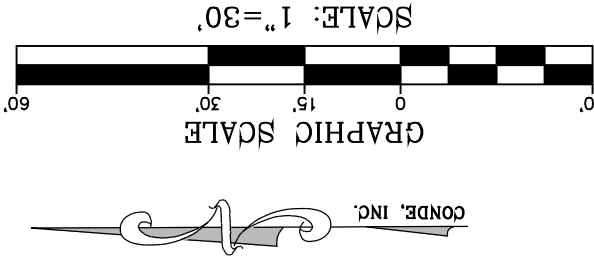


Clear Villalobos
BY

DATE
03/11/2022



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C10 | 30.00' | 47.12' | 30.00' | 42.43' | N44°01'08"E | 90°00'00" |
| C9 | 30.00' | 47.12' | 30.00' | 42.43' | N45°58'52"W | 90°00'00" |
| C8 | 30.00' | 47.12' | 30.00' | 42.43' | S45°58'52"E | 90°00'00" |
| C7 | 30.00' | 47.12' | 30.00' | 42.43' | S44°01'08"W | 90°00'00" |



MATCH LINE 14+00
SEE NEXT SHEET

MATCH LINE 7+50
SEE PREVIOUS SHEET

- LEGEND**
- AS-BUILT ELEVATION
 - FLOW DIRECTION
 - HIGH POINT
 - LOW POINT
 - DIRECTIONAL RAMP

NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 53 OF 83
VIENDO NORTE DR.
STA: 7+50 TO STA: 14+00



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 15, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,86225' AGRES

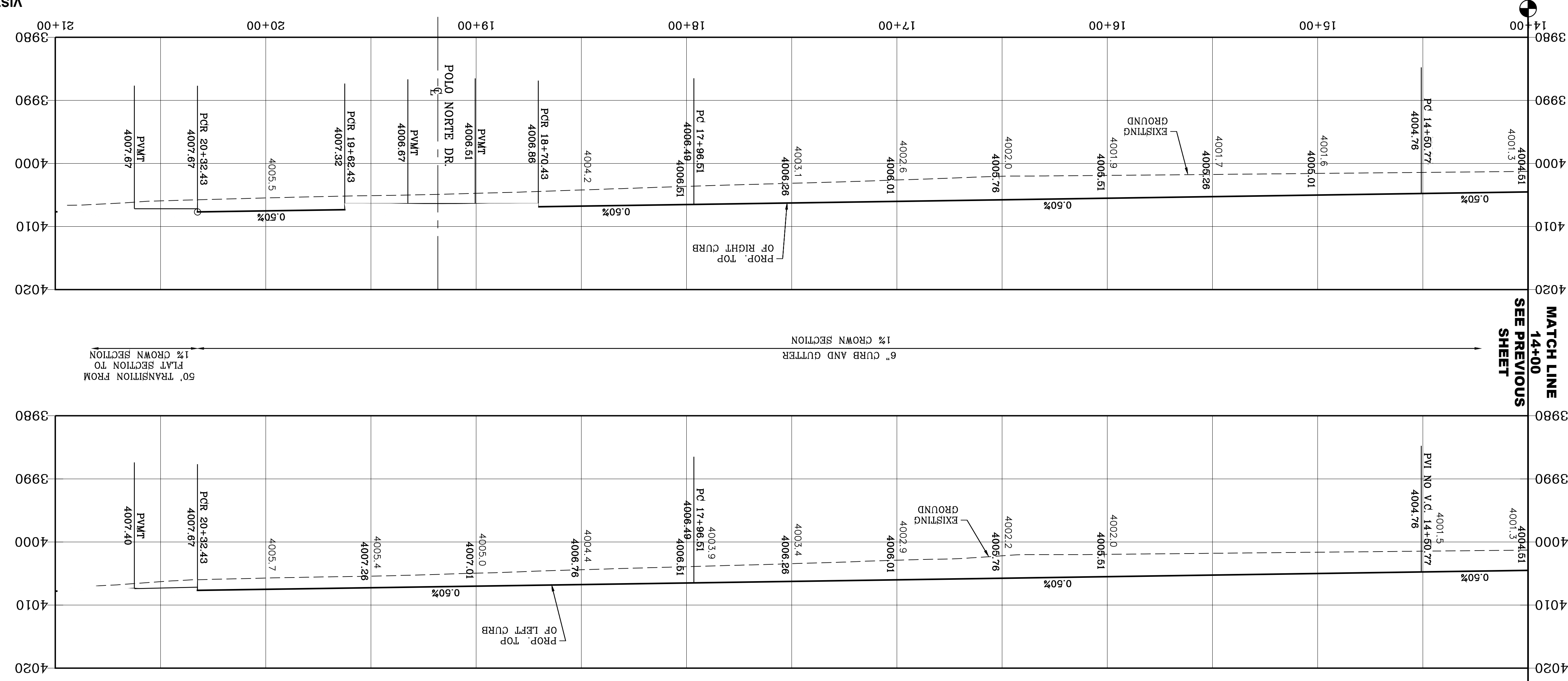
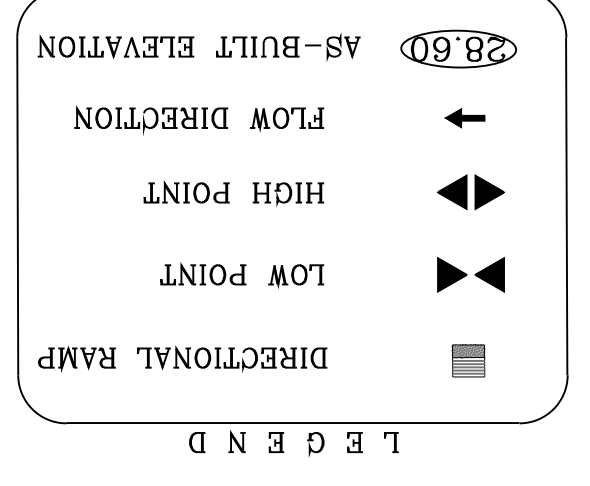
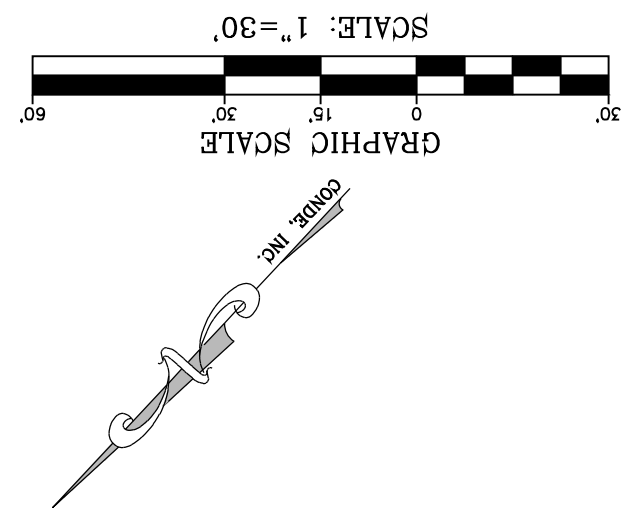
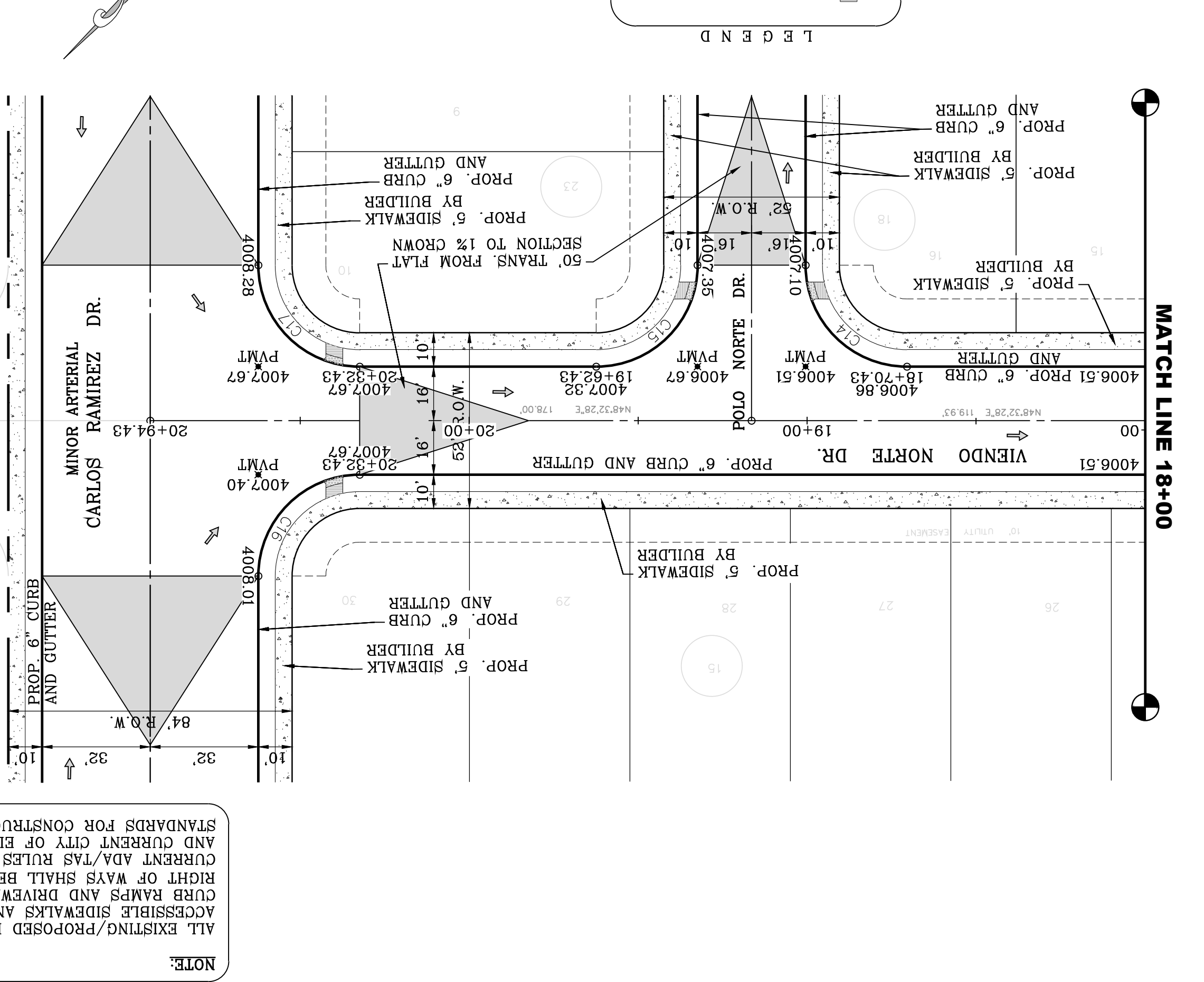
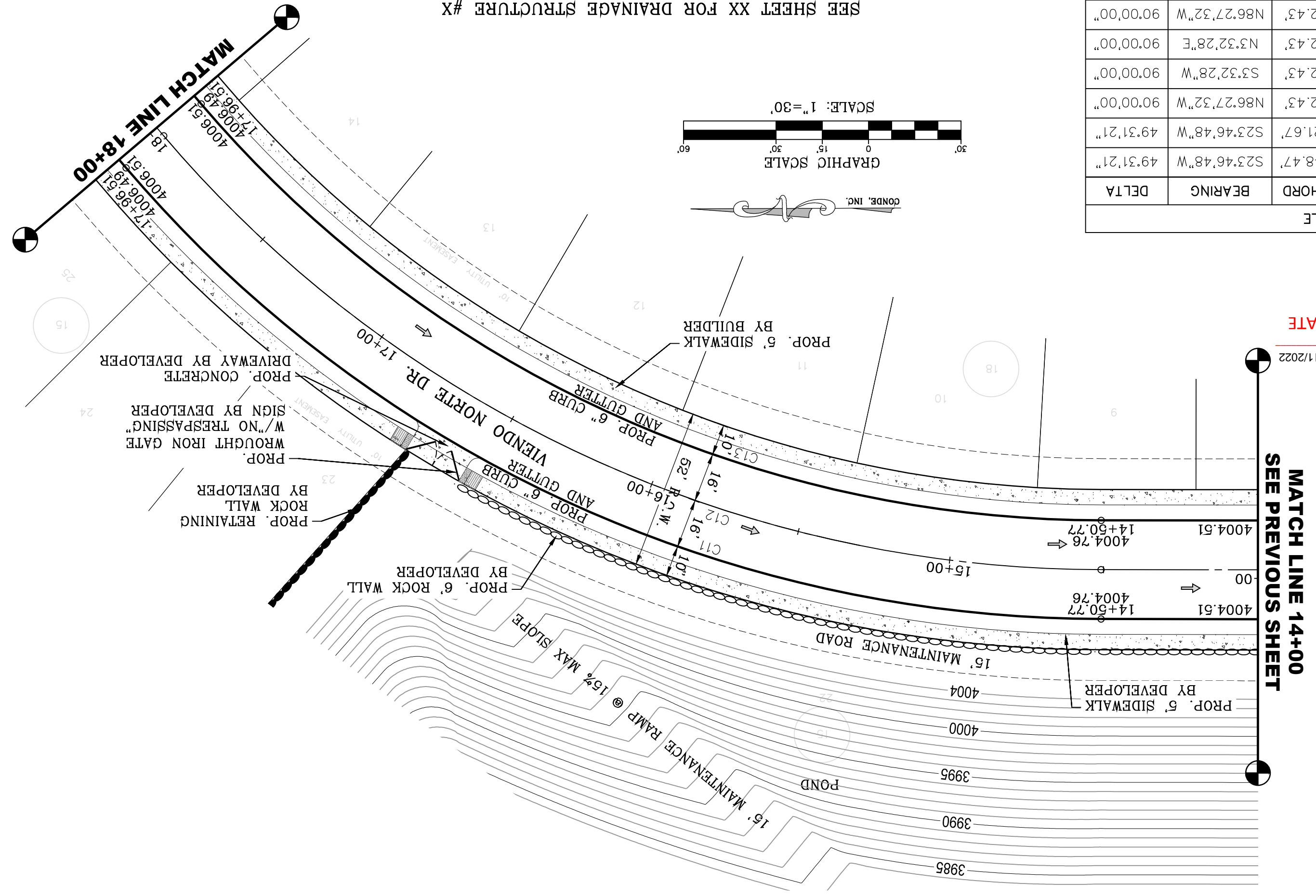
BENCHMARK
1/2" BEARS PANEL POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 14657.18' W. 187.82 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N31°58'39.2960" LONGITUDE: 106°21'28.6012" ELEVATION: 4004.41 ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83. 419890.75' NORTHEAST DIVER/RAILROAD INTERCEPTOR PLANS

REVISIONS



OSCAR VILLALBA
DATE

| CURVE | RADIUS | LENGTH | TANGENT | BEARING | DELTA |
|-------|---------|---------|---------|---------|-----------|
| C11 | 416.00' | 359.56' | 191.88' | S48.07° | 49°31'21" |
| C13 | 584.00' | 331.90' | 177.12' | S23.67° | 49°31'21" |
| C14 | 30.00' | 47.12' | 30.00' | N86.27° | 90°00'00" |
| C15 | 30.00' | 47.12' | 30.00' | S33.28° | 90°00'00" |
| C16 | 30.00' | 47.12' | 30.00' | N33.28° | 90°00'00" |
| C17 | 30.00' | 47.12' | 30.00' | S86.27° | 90°00'00" |



NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
1.75" BEARING PIVOT POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE 14657.18' W, 18782.2 FEET FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ELEVATION -4004.41 AND 10 FEET TO ORIGIN NAVD AND 88 DATA AS REFERENCED TO NAD 83 ELEVATION -4013.2 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DRIVE/RAILROAD INTERCEPTOR PLANS

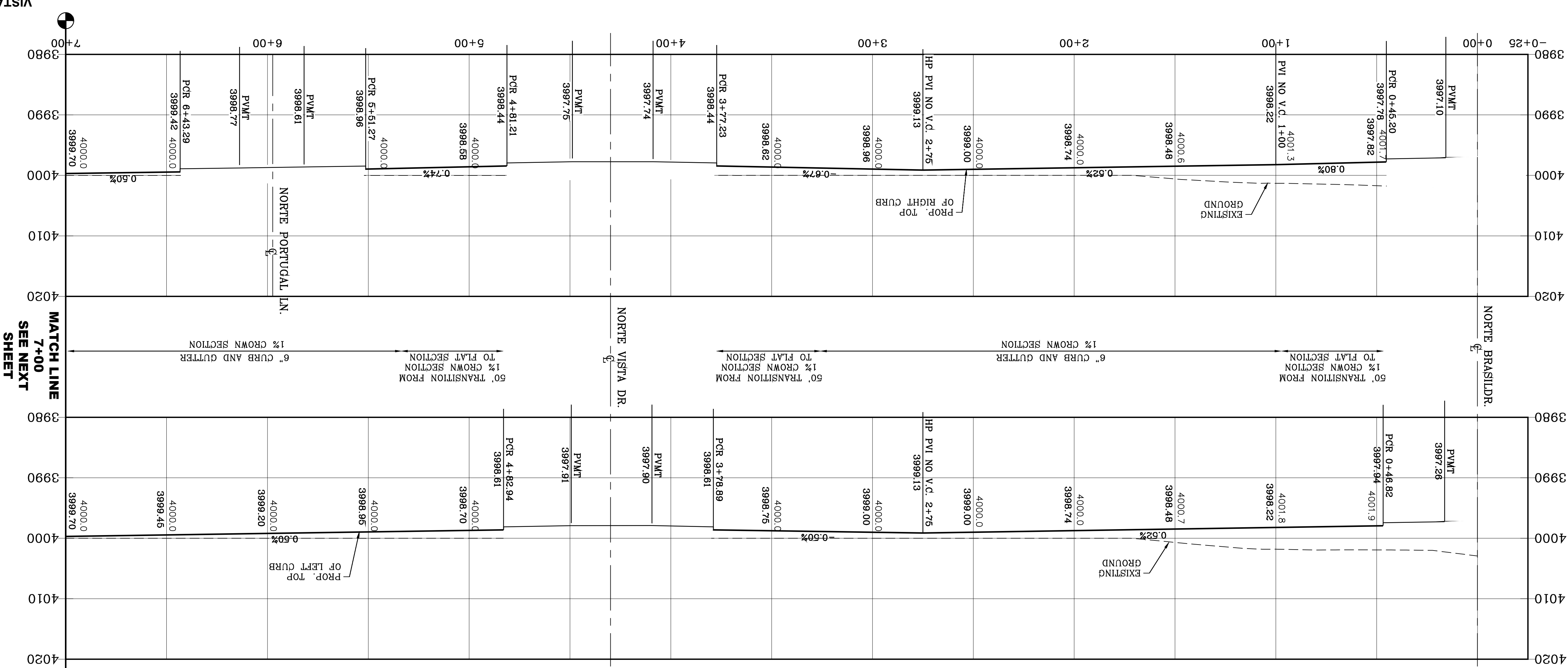
REVISIONS

BY

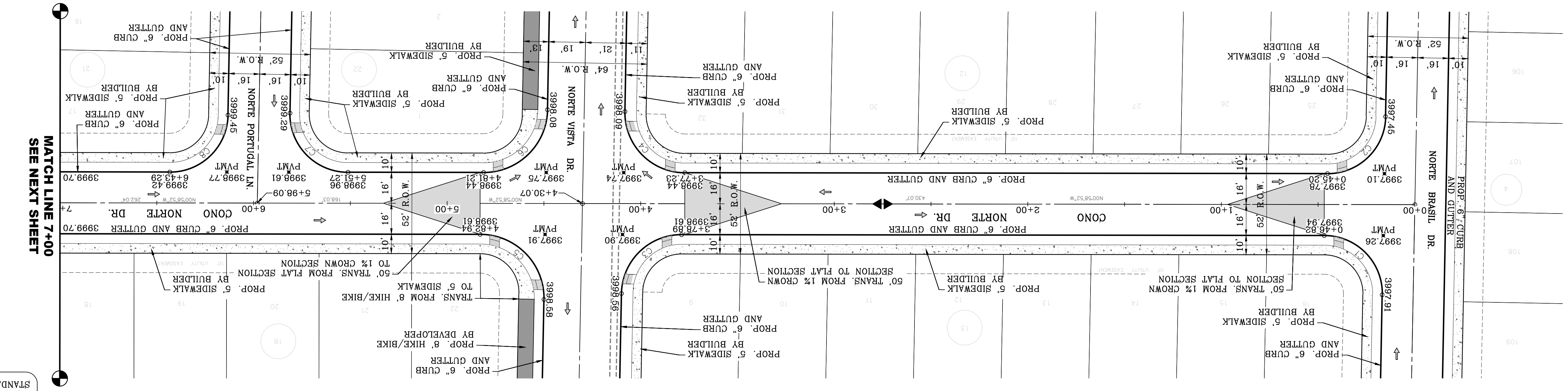
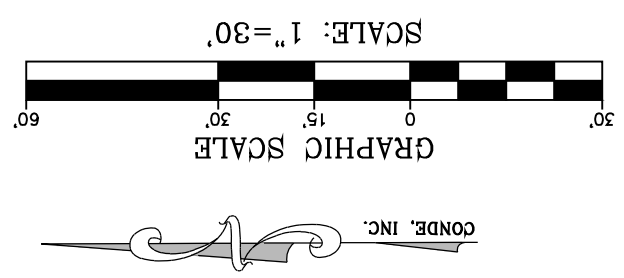
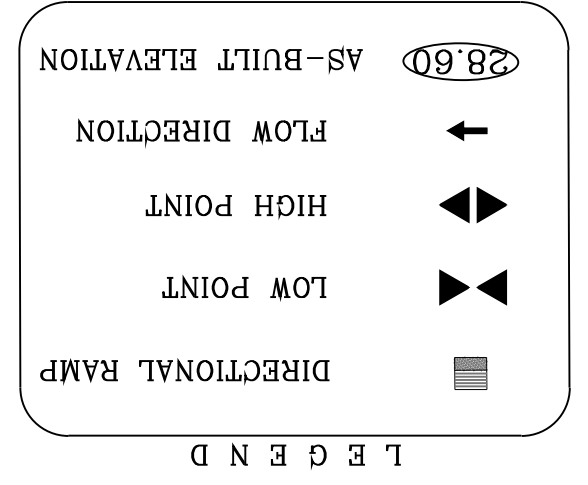
DATE

SHEET TITLE
VISTA DEL NORTE
DR.
STA: 14+00 TO
STA: 20+94.43

SHT 54 OF 83



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C1 | 30.00' | 47.65' | 30.53' | 42.80' | N44°31'27"E | 91°00'38" |
| C2 | 30.00' | 46.59' | 29.48' | 42.05' | S45°28'33"E | 88°59'22" |
| C3 | 31.00' | 48.15' | 30.46' | 43.45' | N45°28'33"W | 88°59'22" |
| C4 | 31.00' | 49.24' | 31.55' | 44.23' | S44°31'27"W | 91°00'38" |
| C5 | 33.00' | 52.42' | 33.59' | 47.08' | N44°31'27"E | 91°00'38" |
| C6 | 33.00' | 51.25' | 32.42' | 46.26' | S45°28'33"E | 88°59'22" |
| C7 | 30.00' | 47.65' | 30.53' | 42.80' | S44°31'27"W | 91°00'38" |
| C8 | 30.00' | 46.59' | 29.48' | 42.05' | S45°28'33"E | 88°59'22" |



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SURETY DR. STE. 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

CONONO NORTE DR.
 STA: 0+00 TO 7+00
 SHT 55 OF 83

VISTA DEL NORTE ESTATES UNIT TWO

ENGINEER'S SEAL
 O.S. VILLALOBOS
 04648
 CIVIL ENGINEER
 STATE OF TEXAS

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION LATTITUDE N31°58'39.2960" LONGITUDE 106°23'28.6012" ELEVATION 4000.41 ADD 10 FEET TO OBTAIN NAVD 88 DATUM AS REFERENCED TO NAD 83 DATUM. ALL DATA REFERENCED TO NAD 83 DATUM. BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/RAILROAD INTERCHANGE PLANS.

BY: _____



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,822± ACRES

BENCHMARK
1/2" BEARER PANEL POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE 146±57.18' W, 187±22 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N31°58'39.7980" LONGITUDE: 106°21'28.6012" ELEVATION: 4004.41' ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83. ELEVATION: 4014.41' PER BENCHMARK DATA SHOWN ON THE NORTHEAST DIVER/RAILROAD INTERCEPTOR PLANS

REVISIONS

| | | |
|----|------|-----------|
| BY | DATE | REVISIONS |
| | | |

DATE _____ BY _____
Oscar Villalobos



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

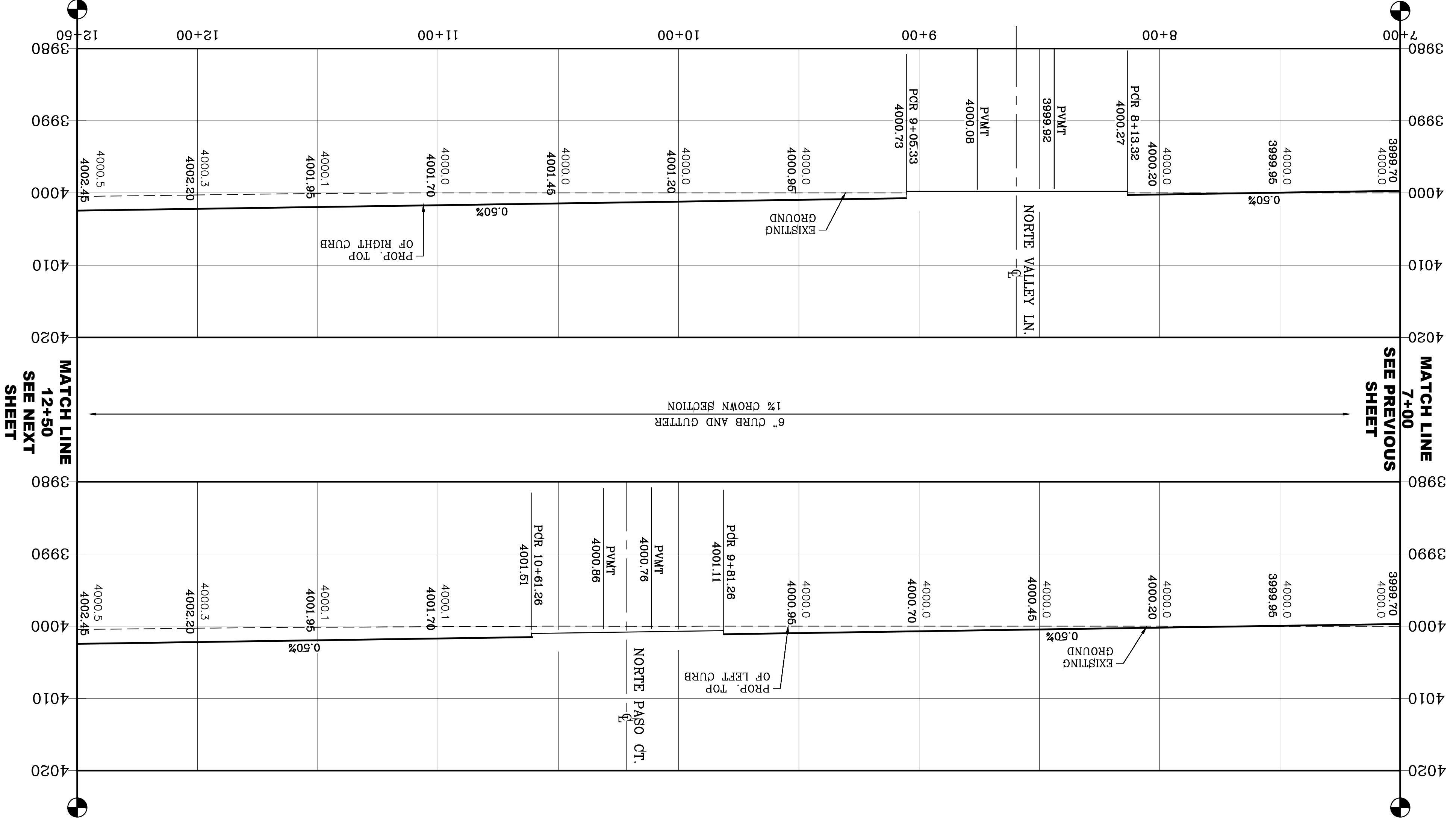
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,822± ACRES

BENCHMARK
1/2" BEARER PANEL POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE 146±57.18' W, 187±22 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE SUBDIVISION. LATITUDE: N31°58'39.7980" LONGITUDE: 106°21'28.6012" ELEVATION: 4004.41' ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83. ELEVATION: 4014.41' PER BENCHMARK DATA SHOWN ON THE NORTHEAST DIVER/RAILROAD INTERCEPTOR PLANS

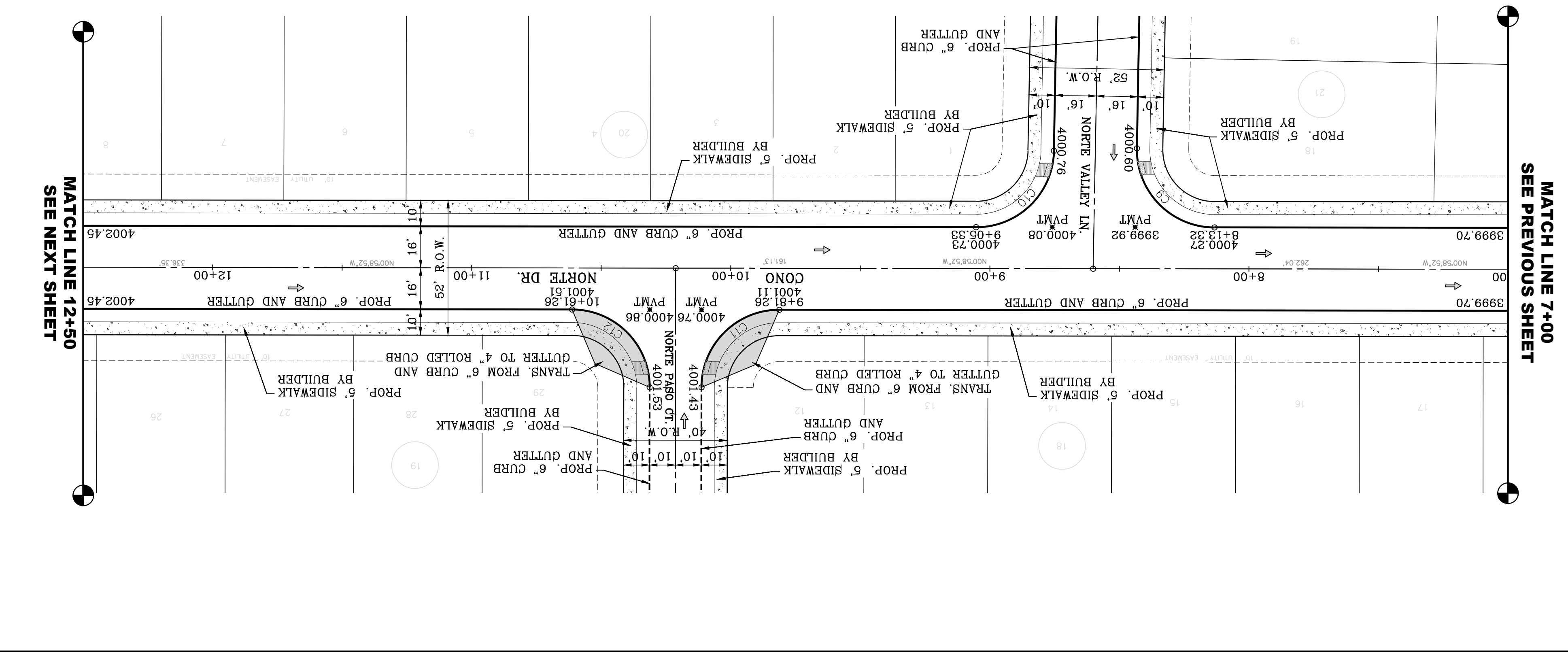
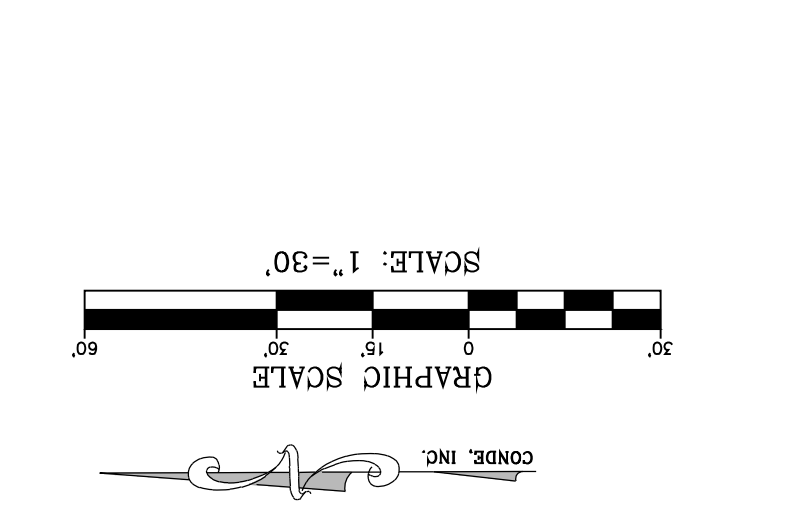
REVISIONS

| | | |
|----|------|-----------|
| BY | DATE | REVISIONS |
| | | |

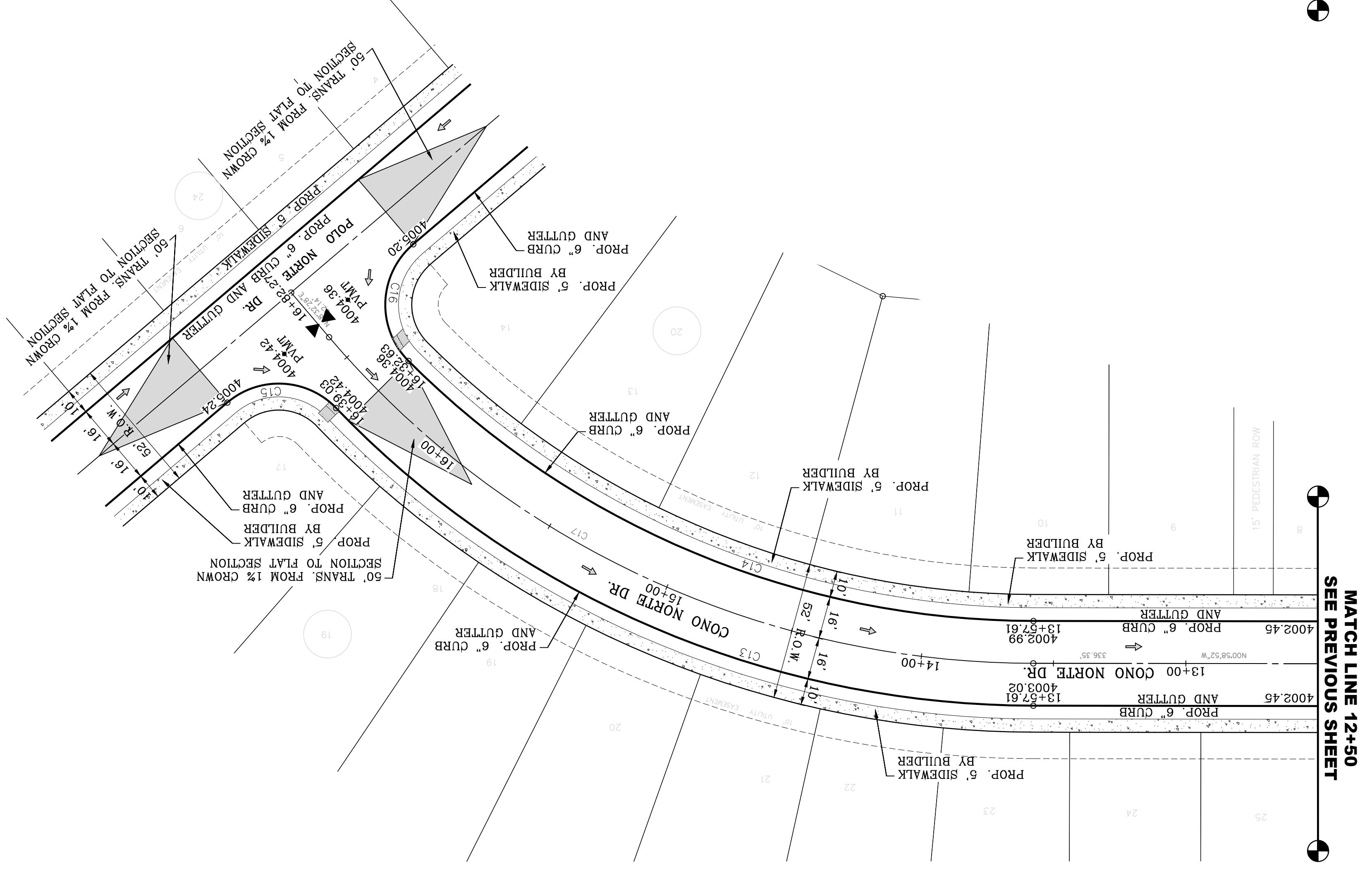
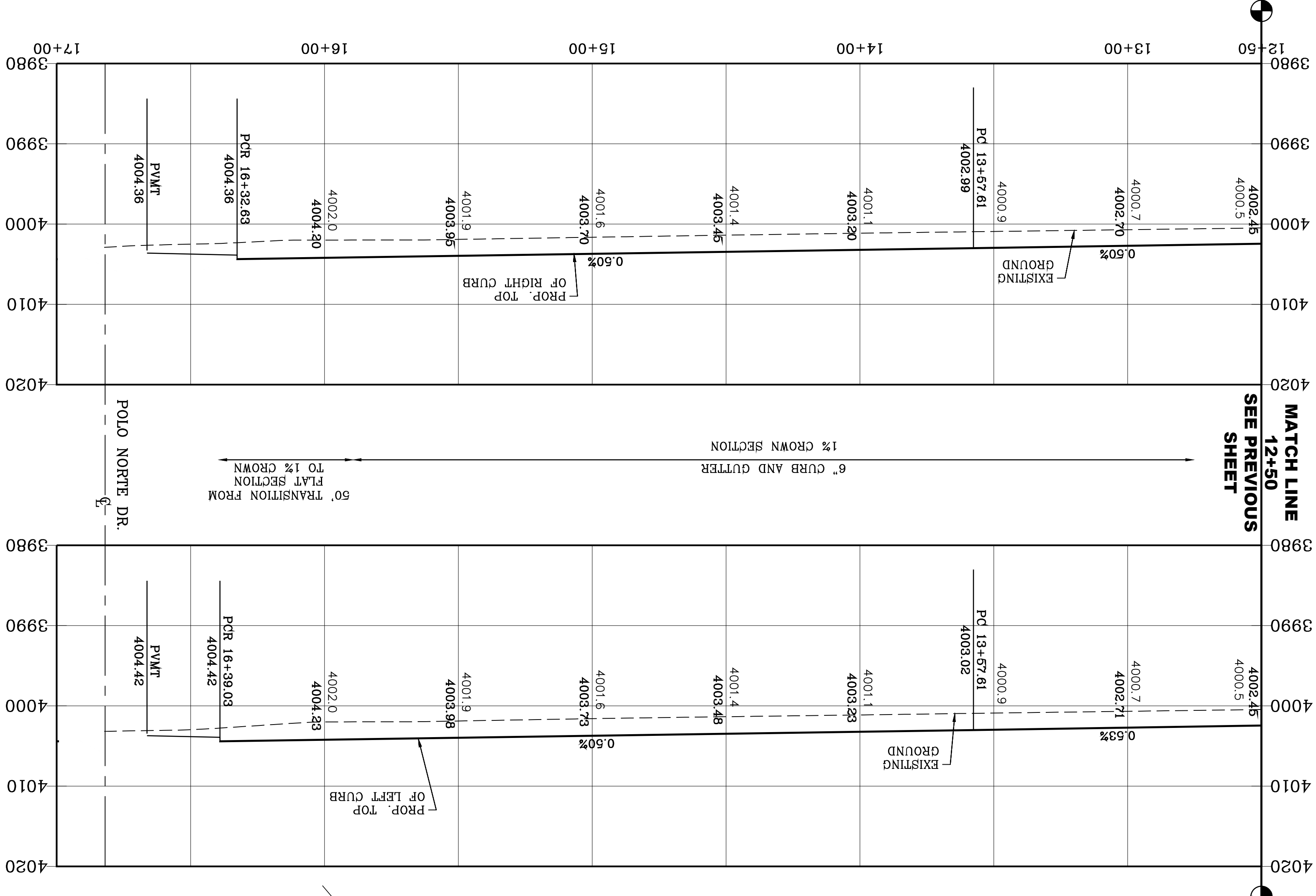


CURVE TABLE

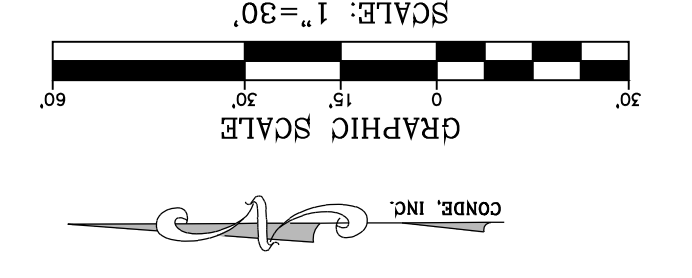
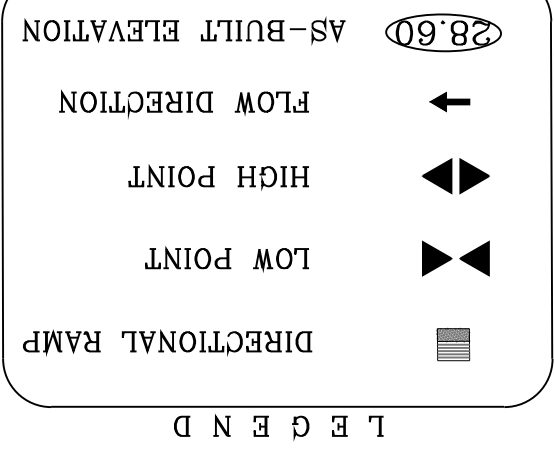
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C9 | 30.00' | 47.65' | 30.53' | 42.80' | S44°31'27"W | 91°00'38" |
| C10 | 30.00' | 46.59' | 29.48' | 42.05' | S45°28'53"E | 88°59'22" |
| C11 | 30.00' | 47.12' | 30.00' | 42.43' | N45°58'52"W | 90°00'00" |
| C12 | 30.00' | 47.12' | 30.00' | 42.43' | N44°01'08"E | 90°00'00" |



NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|---------------|-------|
| C17 | 350.00' | 302.52' | 161.44' | 293.19' | S26°46'48\"/> | |
| C16 | 30.00' | 49.48' | 32.45' | 44.06' | N88°42'33\"/> | |
| C15 | 30.00' | 45.32' | 28.24' | 41.13' | N1°48'52\"/> | |
| C14 | 334.00' | 262.45' | 138.42' | 255.75' | S21°31'46\"/> | |
| C13 | 366.00' | 294.28' | 155.62' | 286.42' | S22°03'11\"/> | |



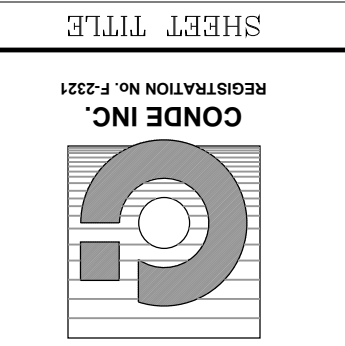
BY _____
 Oscar Villalobos
 DATE 03/1/2022



VISTA DEL NORTE ESTATES UNIT TWO

SHT 57 OF 83

CONO NORTE
 STA: 12+50 TO
 STA: 17+00



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

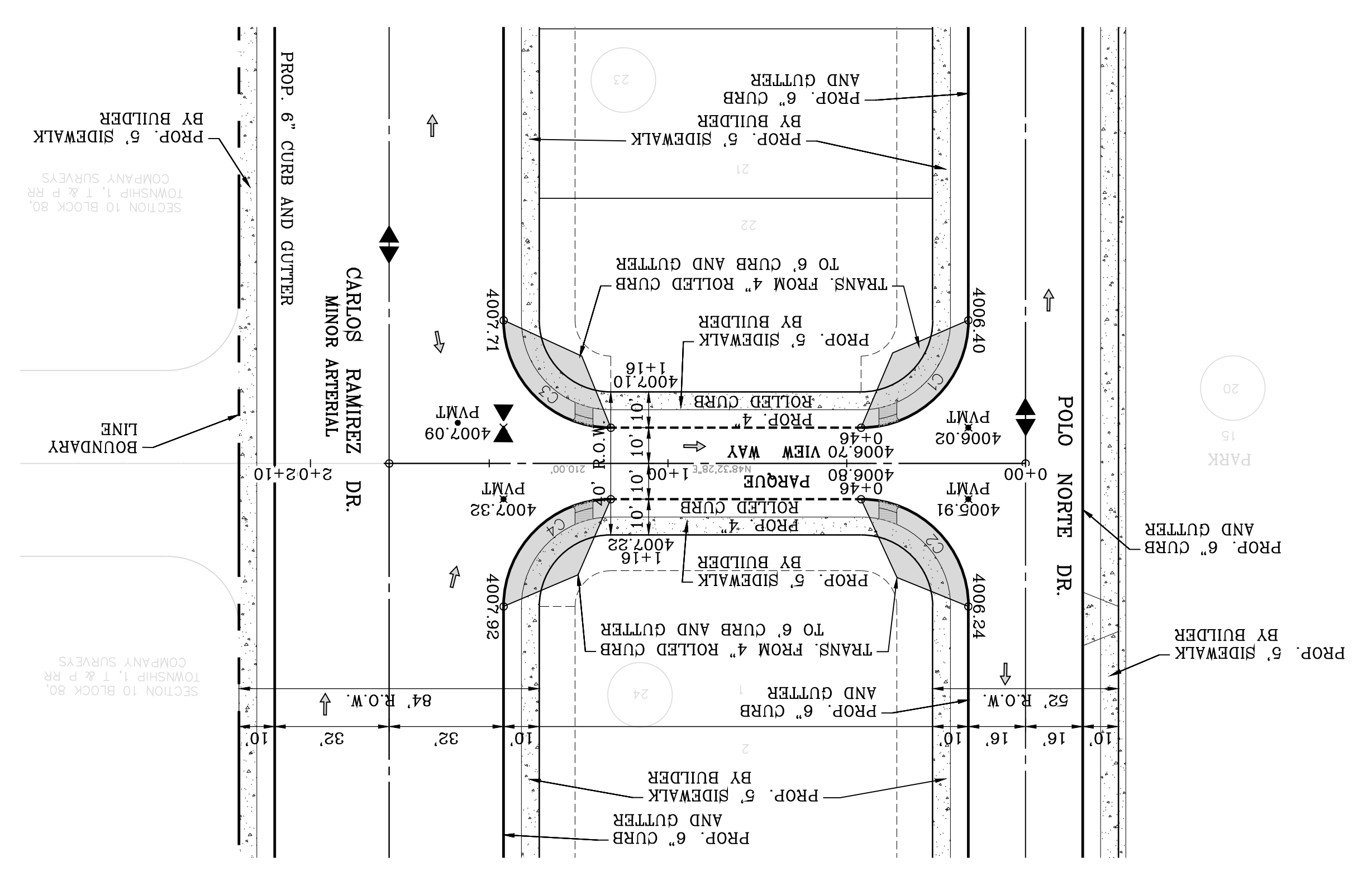
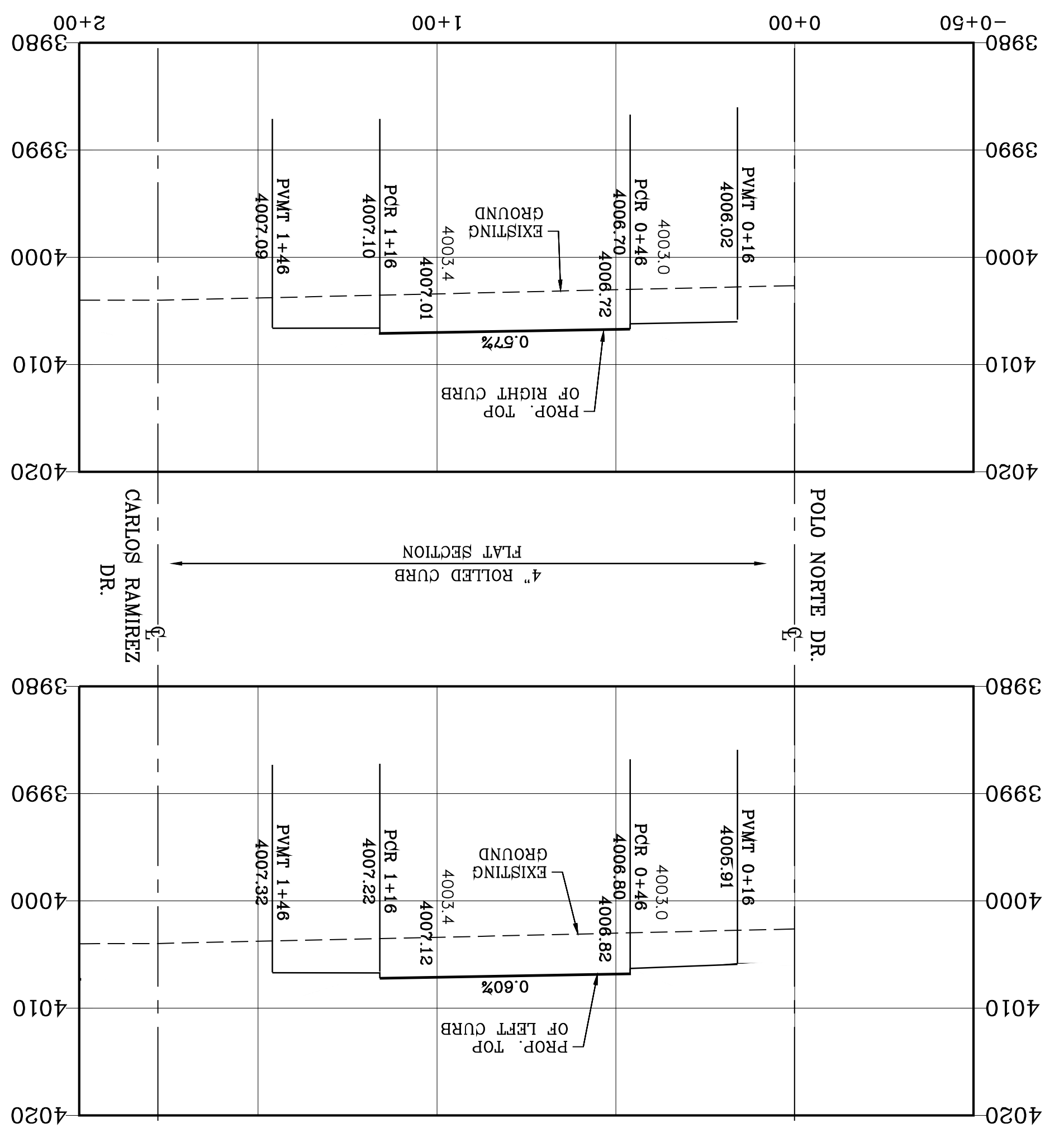


S C A L E
 HORIZ: 1" = 30'
 VERT: 1" = 10'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

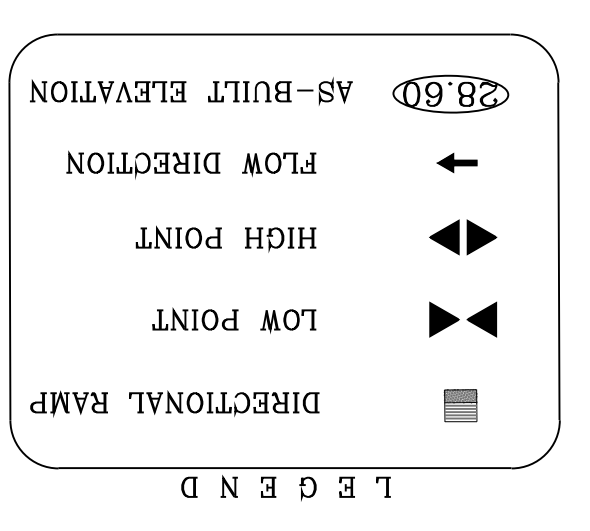
BENCHMARK
 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 146°57'18"W - 187'82 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE
 STATION: 4004.41 AND 10FEET TO ORIGIN AND 88 DATUM AS REFERENCED TO
 ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE
 NO. 419890/76
 NORTHWEST CORNER/RAILROAD INTERSECTION PLANS
 REVISIONS

NOTE:
 STANDARDS FOR CONSTRUCTION
 AND CURRENT CITY OF EL PASO DESIGN
 CURRENT ADA/TAS RULES AND REGULATIONS
 RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH
 CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC
 ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS
 PATHS OF TRAVEL.

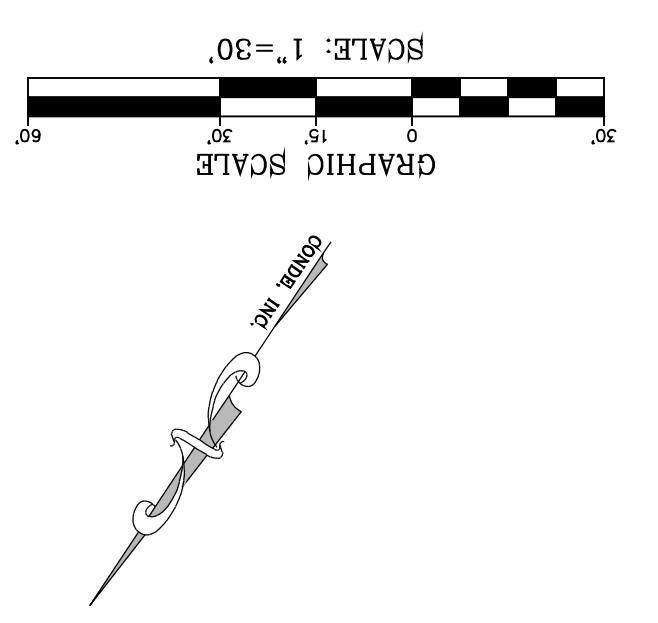


CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|--------------|-------|
| C1 | 30.00' | 47.12' | 30.00' | 42.43' | S3.32'28\"/> | |



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



SHT 58 OF 83
PARQUE VIEW WAY
 STA: 0+00 TO STA: 2+00

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 YOUNG CONDE CURRY
 64648
 03/11/2022

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

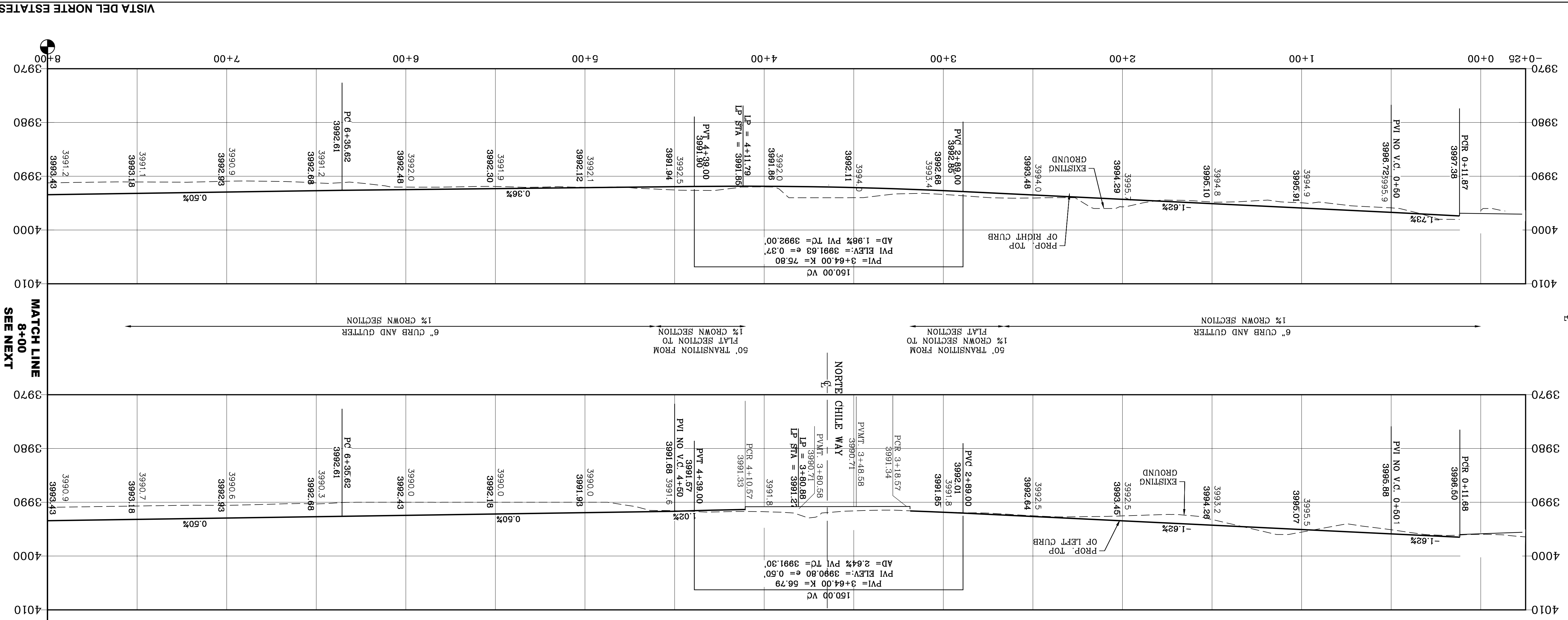
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
 1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION: 4004.41 AND 10FEET TO ORIGIN AND 88 DATUM AS REFERENCED TO ELEVATION: 4004.41 AND 10FEET TO ORIGIN AND 88 DATUM AS REFERENCED TO ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DYER/RAILROAD INTERCEPTOR PLANS



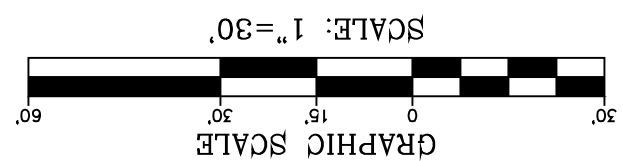
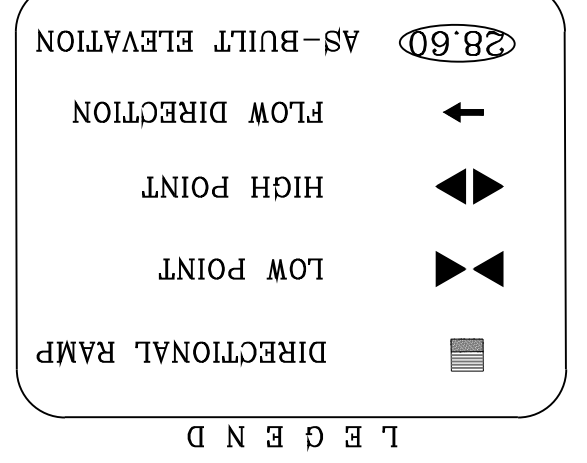
BY _____ DATE _____
 Oscar Villalobos 03/11/2022

DYER STREET

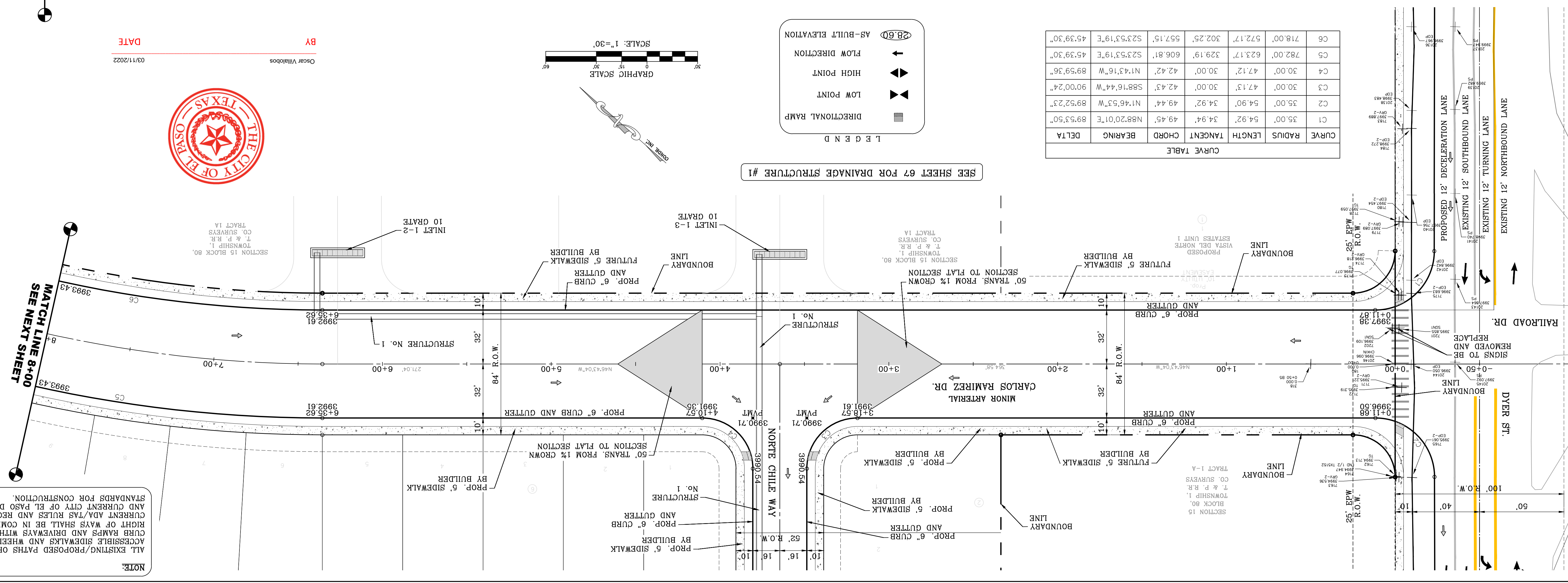


CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | BEARING | DELTA | |
|-------|---------|---------|---------|---------|-------------|-----------|
| C1 | 35.00' | 54.92' | 34.94' | 49.45' | N88°20'1"E | 89°53'50" |
| C2 | 35.00' | 54.90' | 34.92' | 49.44' | N146°53'W | 89°52'23" |
| C3 | 30.00' | 47.13' | 30.00' | 42.43' | S88°16'44"W | 90°00'24" |
| C4 | 30.00' | 47.12' | 30.00' | 42.42' | N143°16'W | 89°59'36" |
| C5 | 782.00' | 623.17' | 329.19' | 606.81' | S23°53'19"E | 45°39'30" |
| C6 | 718.00' | 572.17' | 302.25' | 557.15' | S23°53'19"E | 45°39'30" |



BY Oscar Villalobos
DATE 03/11/2022



NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

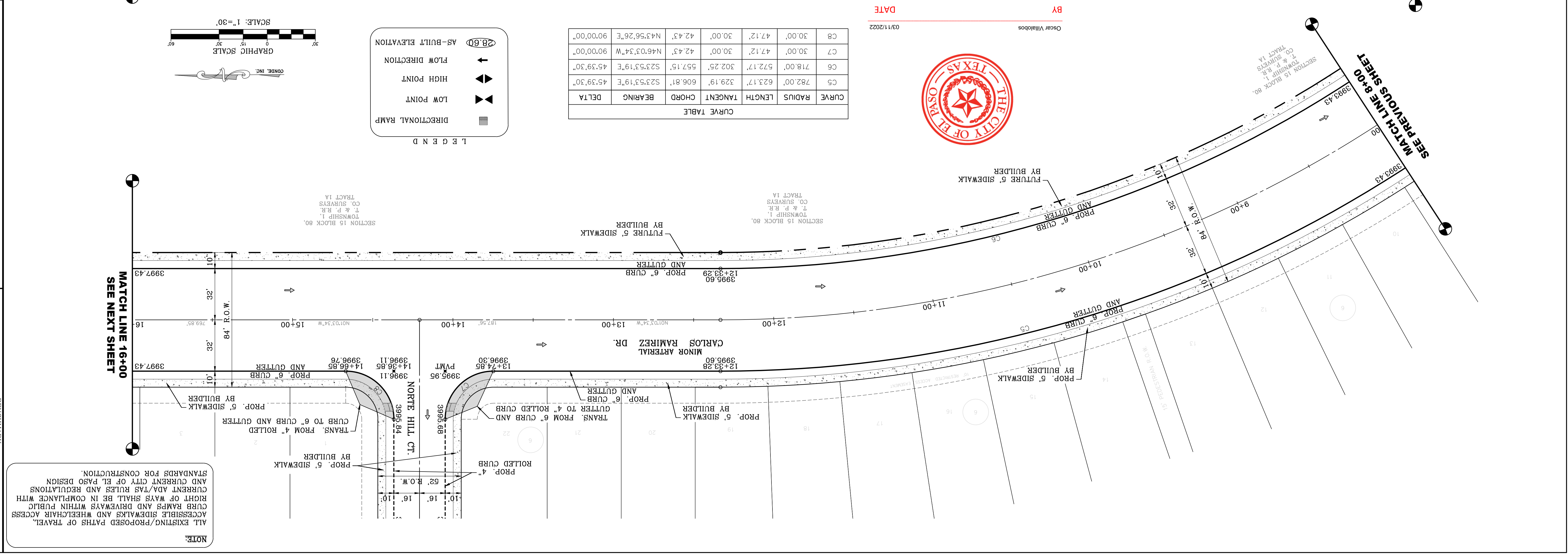
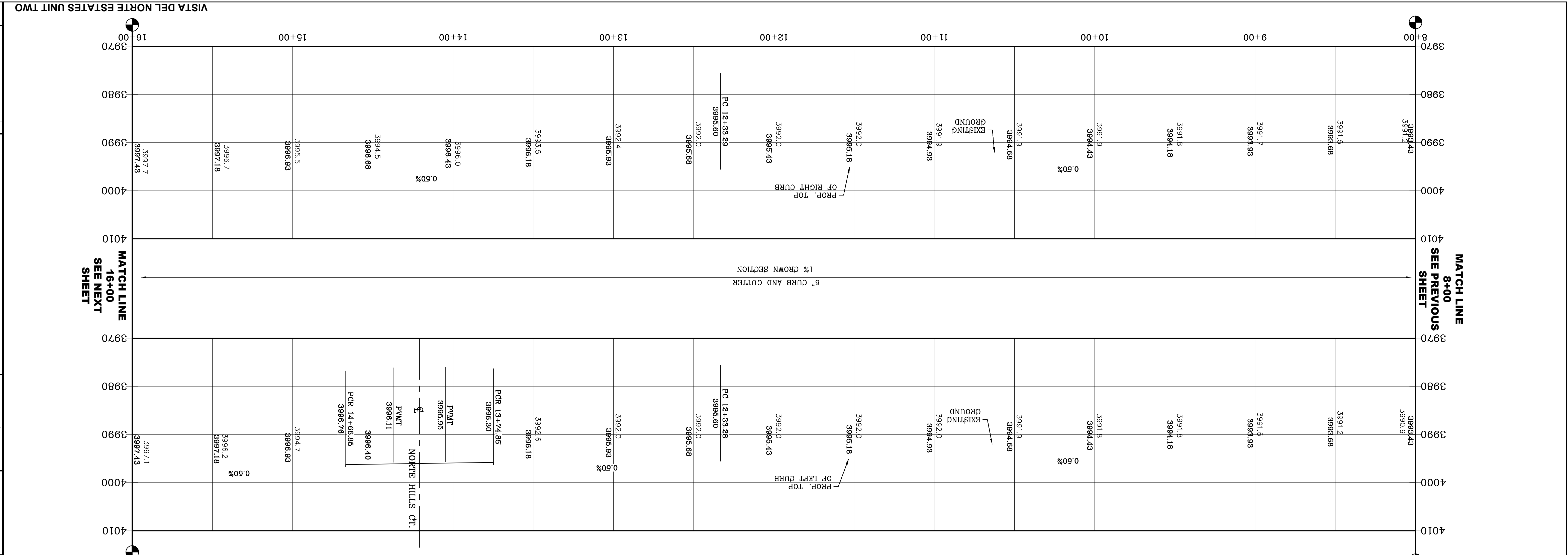
BENCHMARK
1/2" BEARING PIVOT POINT FROM THE NORTHEAST CORNER OF VISTA DEL NORTE 146°57'18"W - 187°02'02"E DIST FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ELEVATION = 4000.41 AND 10 FEET TO OBTAIN NAD 83 DATA AS REFERENCED TO NAD 83 DATUM. THE BENCHMARK IS A 1" X 1" X 1" ALUMINUM BENCHMARK WITH AN ELEVATION OF 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DYER/RAILROAD INTERCHANGE PLANS.

REVISIONS

| NO. | DATE | BY | DESCRIPTION |
|-----|----------|------|--|
| 1 | 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |

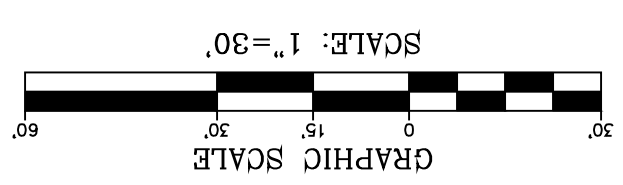
SHEET TITLE
CARLOS RAMIREZ DR.
STA: 0+00 TO STA: 8+00

SHT 59 OF 83



CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|---------|---------|---------|-------------|-----------|
| C5 | 782.00' | 623.17' | 329.19' | 606.81' | S23.53'19"E | 45.39'30" |
| C6 | 718.00' | 572.17' | 302.25' | 557.15' | S23.53'19"E | 45.39'30" |
| C7 | 30.00' | 47.12' | 30.00' | 42.43' | N46°03'34"W | 90°00'00" |
| C8 | 30.00' | 47.12' | 30.00' | 42.43' | N43°56'26"E | 90°00'00" |



LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP

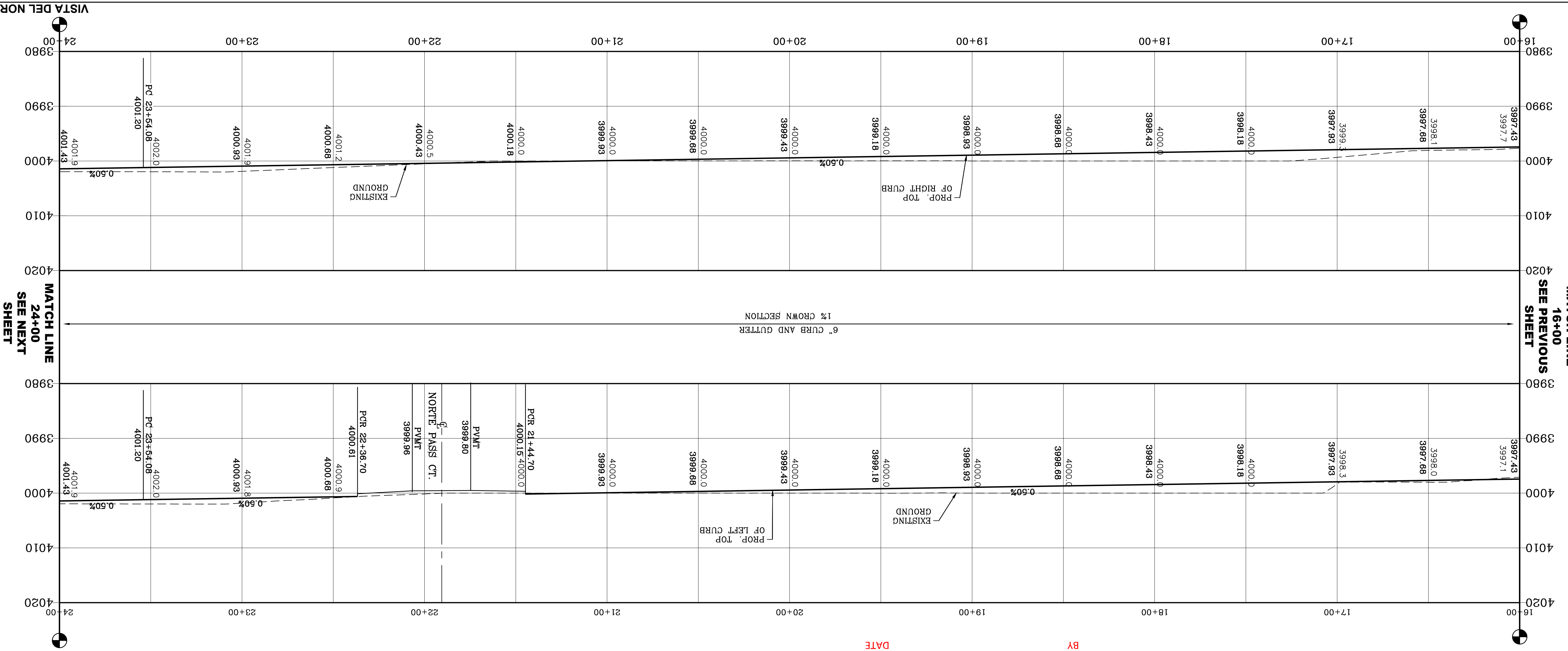


BY Oscar Villalobos
DATE 03/11/2022

NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAY SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

MATCH LINE
16+00
SEE PREVIOUS
SHEET

MATCH LINE 16+00
SEE PREVIOUS SHEET



CURVE TABLE

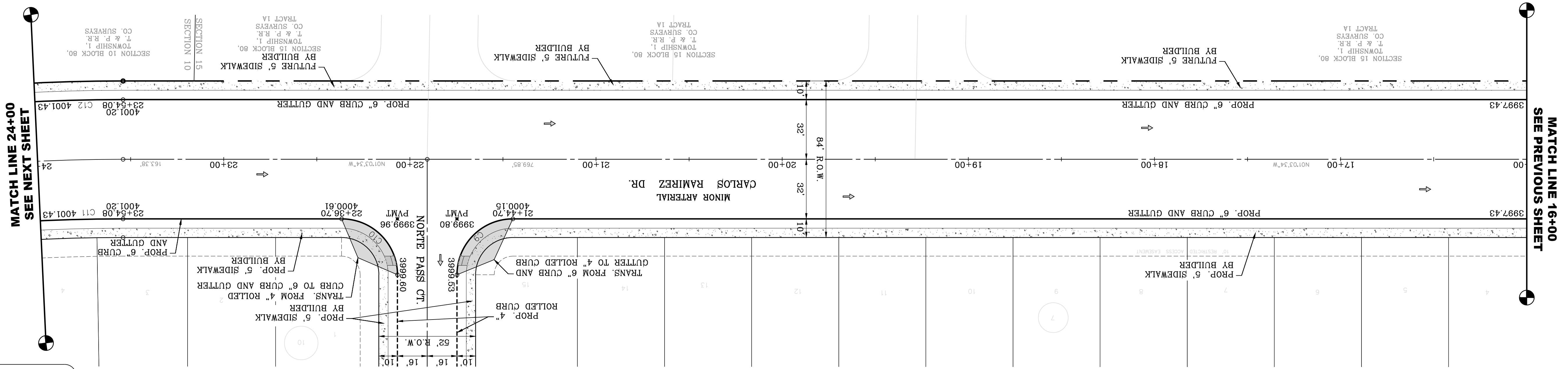
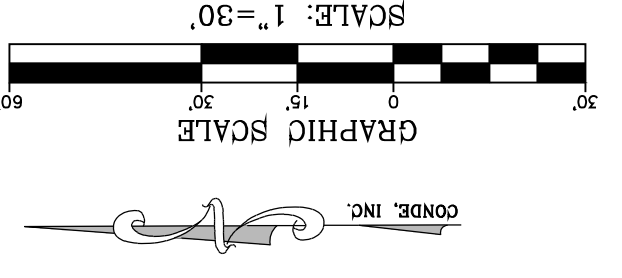
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|----------|---------|---------|---------|-------------|-----------|
| C9 | 30.00' | 47.12' | 30.00' | 42.43' | N46°03'34"W | 90°00'00" |
| C10 | 30.00' | 47.12' | 30.00' | 42.43' | N43°56'26"E | 90°00'00" |
| C11 | 968.00' | 682.54' | 356.15' | 668.49' | N21°15'33"W | 40°23'58" |
| C12 | 1032.00' | 727.66' | 379.70' | 712.68' | N21°15'33"W | 40°23'58" |



BY Oscar Villalobos DATE 03/11/2022

LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP



NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

SHT 61 OF 83
CARLOS RAMIREZ
STA. 16+00 TO STA. 24+00
SHEET TITLE
CONDE INC.
REGISTRATION NO. F-2211
ENGINEERING / PLANNING
SURVEYING / GPS
6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
YOUNG & RUBICAM
64648
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF TEXAS
NO. 1116-53

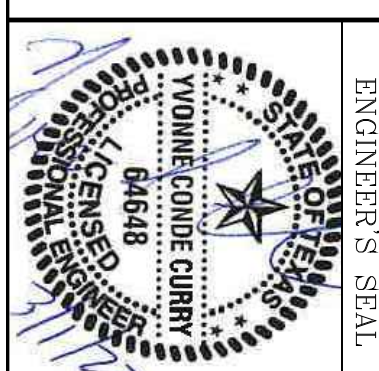
SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
1/2" BEARING PAPER POINT FROM THE NORTHWEST CORNER OF VISTA LOGGED
N46°57'18"W - 187.82 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE
STATION - 4004.41 AND 10 FEET TO ORIGIN AND 88 DATUM AS REFERENCED TO
ELEVATION - 4013.12 PER BENCHMARK DATA SHOWN ON THE
NORTHWEST CORNER/ALTERNATE INTERCEPTOR PLANS
NO. 419890/75
REVISIONS
DATE
11/18/20
02/10/21
BY
F.R.
CITY REDLINES AS PER 11/06/20 COMMENTS
CITY REDLINES AS PER 02/09/21 COMMENTS

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6050 SUFERTY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

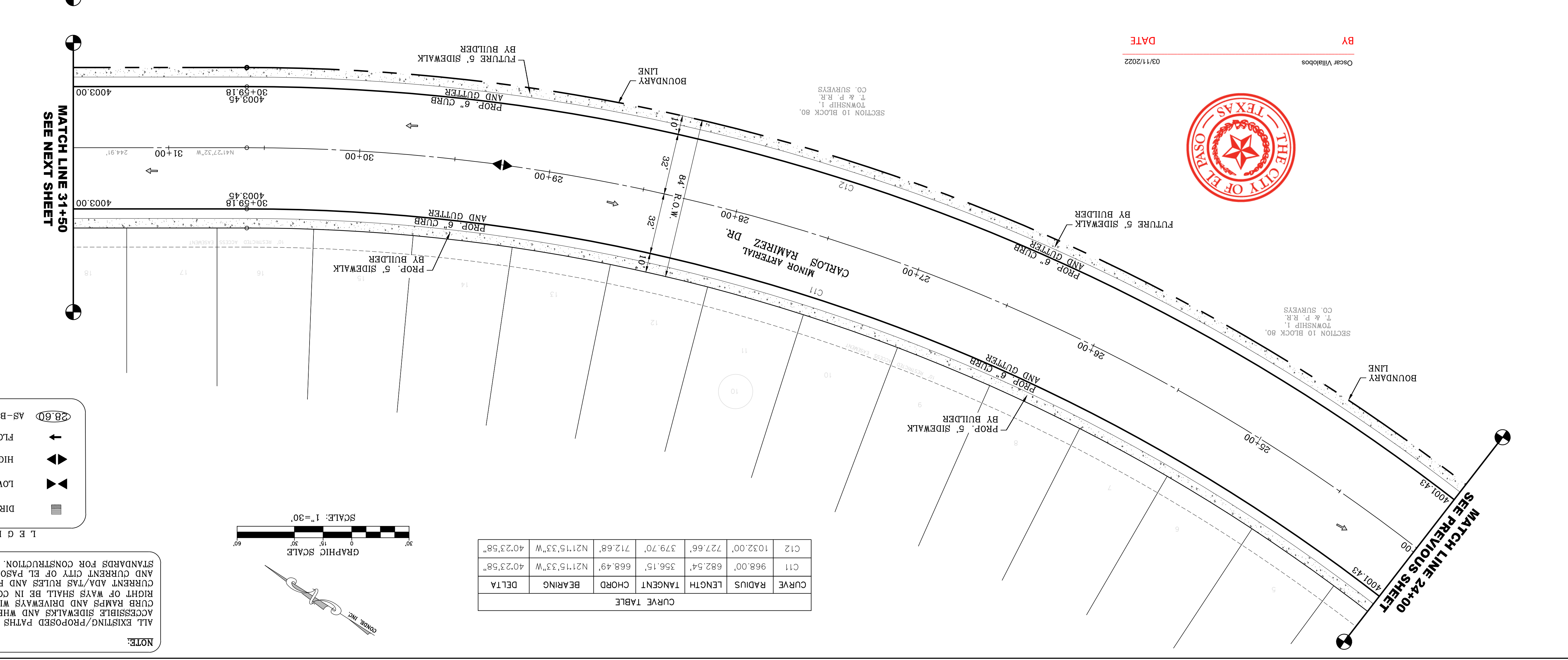
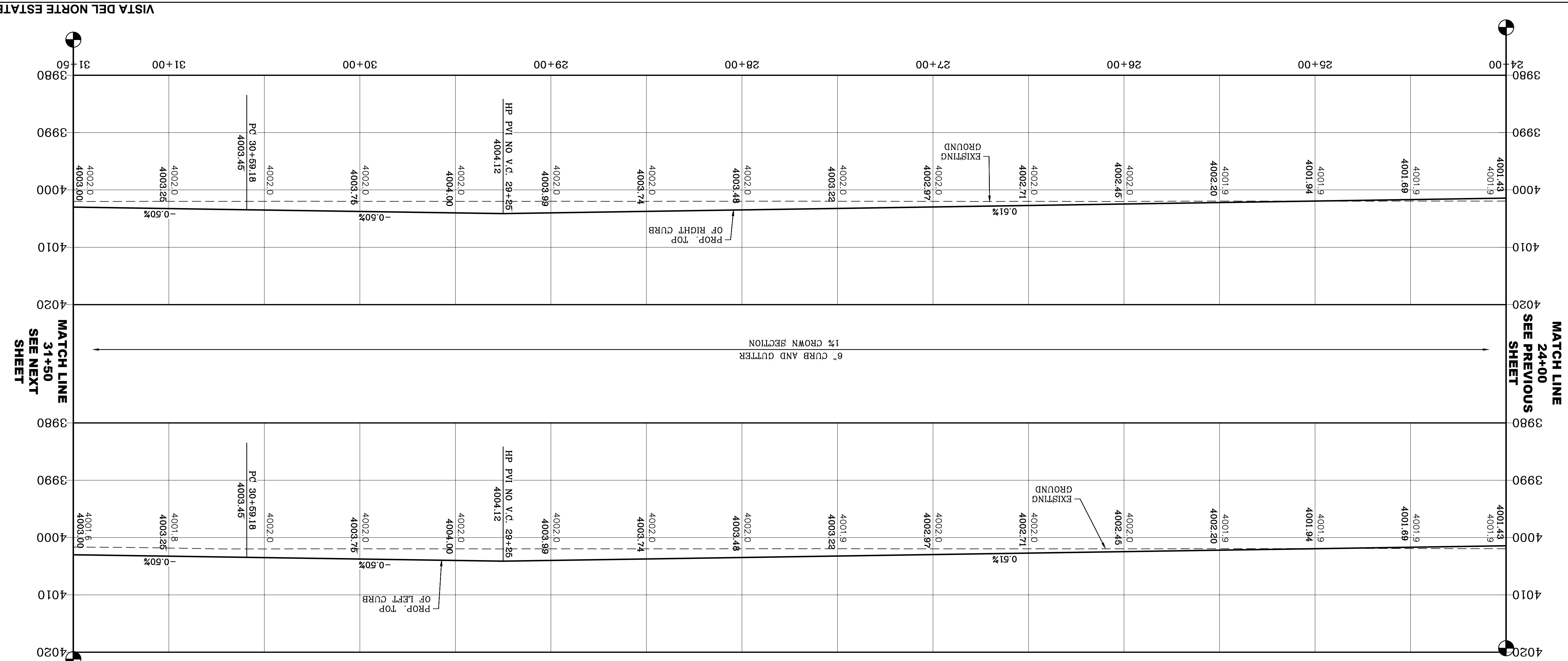


SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 128,86224' ACRES

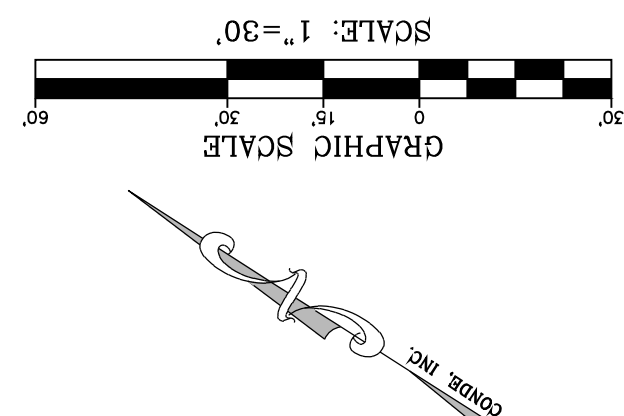
BENCHMARK
 REQUIRED BY OTHER LOCATED AND CURRENT CITY OF EL PASO DESIGN CURRENT ADA/TAS RULES AND REGULATIONS RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH STANDARDS FOR CONSTRUCTION.

| DATE | BY | REVISIONS |
|----------|------|--|
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |
| 02/10/21 | F.R. | CITY REDLINES AS PER 02/09/21 COMMENTS |



CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|----------|---------|---------|---------|-------------|-----------|
| C11 | 968.00' | 682.54' | 356.15' | 668.49' | N21°15'33"W | 40°23'58" |
| C12 | 1032.00' | 727.66' | 379.70' | 712.68' | N21°15'33"W | 40°23'58" |



LEGEND

- AS-BUILT ELEVATION
- FLOW DIRECTION
- HIGH POINT
- LOW POINT
- DIRECTIONAL RAMP



BY: Oscar Villalobos
 DATE: 03/11/2022

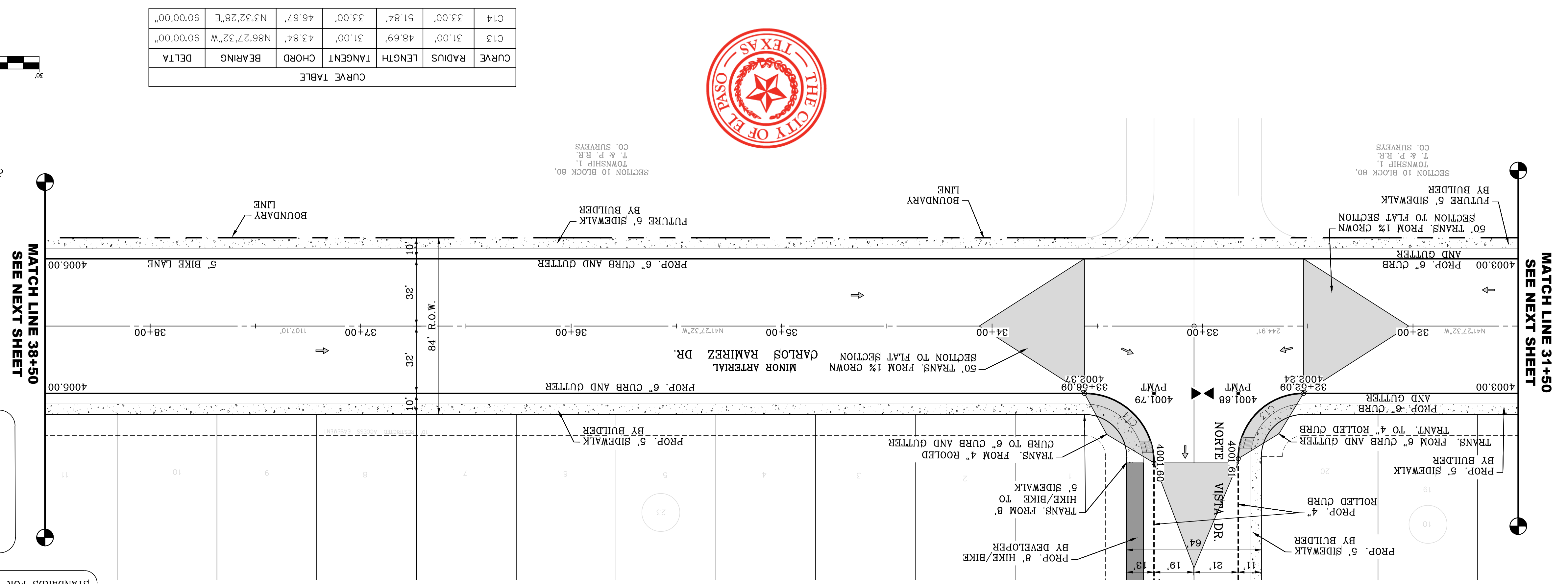
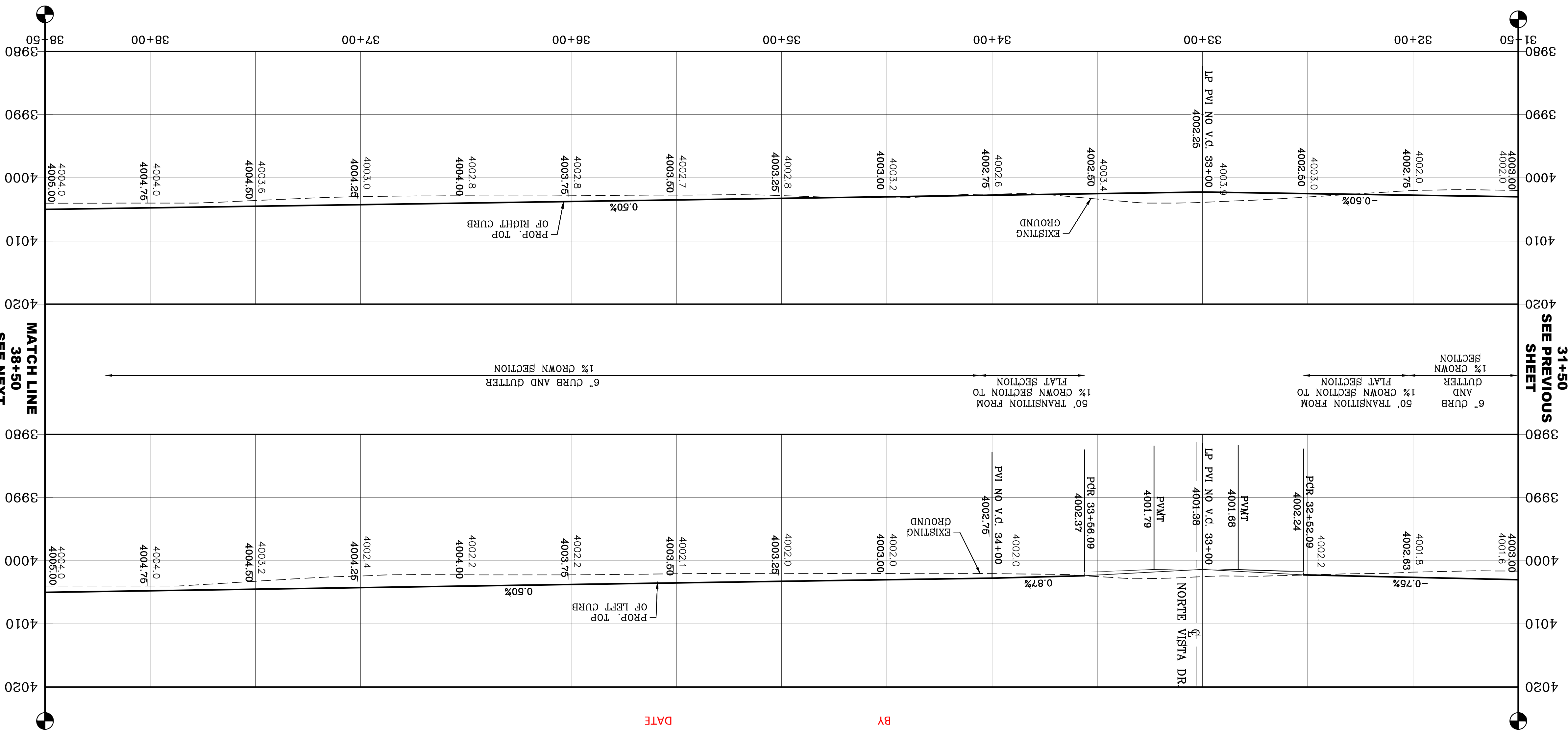
MATCH LINE 24+00
 SEE PREVIOUS SHEET

MATCH LINE 31+50
 SEE NEXT SHEET

MATCH LINE 31+50
 SEE NEXT SHEET

MATCH LINE 31+50
SEE PREVIOUS SHEET

MATCH LINE 31+50
SEE NEXT SHEET

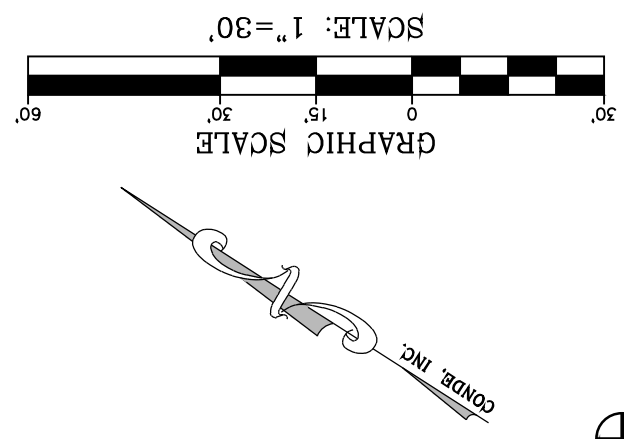
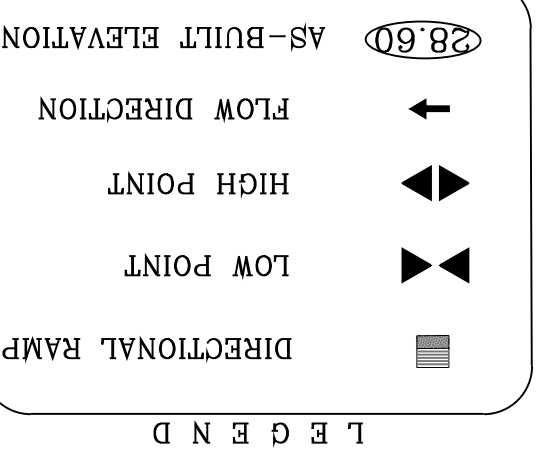


| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C14 | 33.00' | 51.84' | 33.00' | 46.67' | N3.32°28'E | 90°00'00" |
| C13 | 31.00' | 48.69' | 31.00' | 43.84' | N86°27'32"W | 90°00'00" |



BY Oscar Villalobos DATE 03/11/2022

NOTE:
ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAY SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



SHT 63 OF 83
CARLOS RAMIREZ DR.
STA. 31+50 TO 38+50

CONDE INC.
REGISTERED PROFESSIONAL ENGINEER
No. F-22121

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL
MIGUEL CONDE
REGISTERED PROFESSIONAL ENGINEER
No. F-22121

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

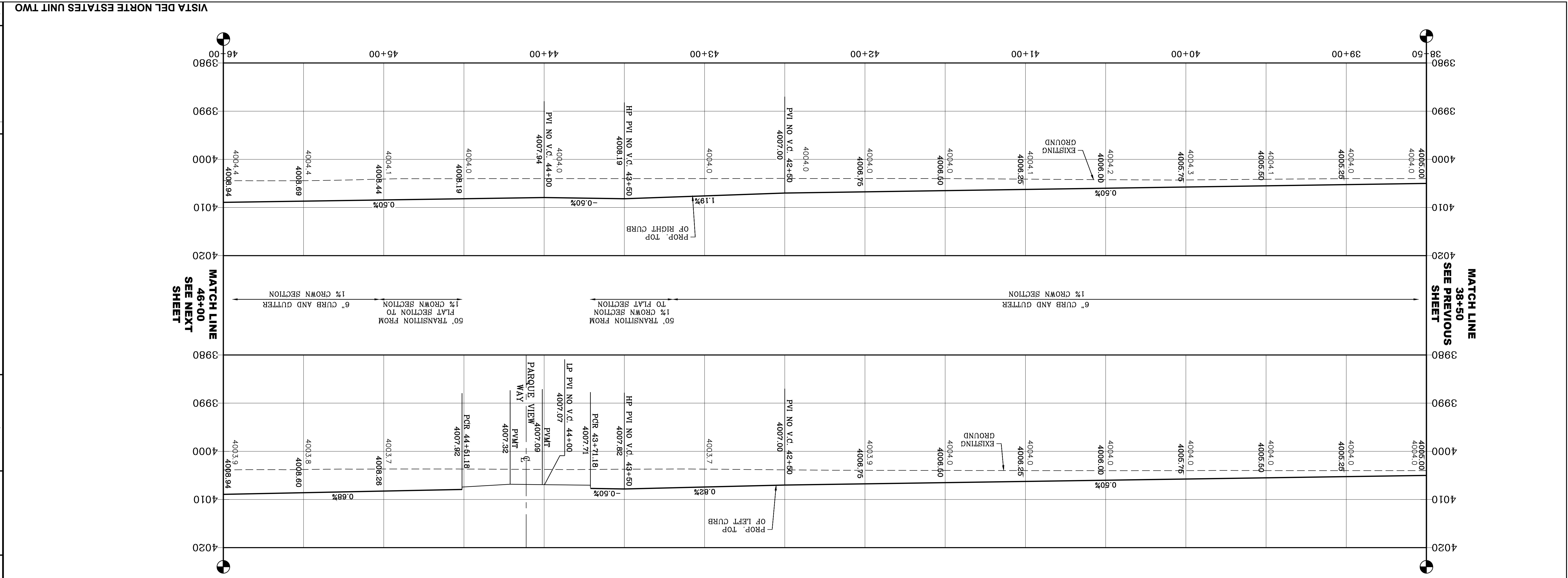
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 128,86224 AGRES

BENCHMARK
1/2" BEARING PIVOT POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 146577.18' W, 187282 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION=4004.41 ADD 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAD 83 ELEVATION=4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/BALROAD INTERCHANGE PLANS

REVISIONS
DATE
11/18/20
02/10/21

CITY REDLINES AS PER 11/06/20 COMMENTS
CITY REDLINES AS PER 02/09/21 COMMENTS

BY
F.R.
F.R.

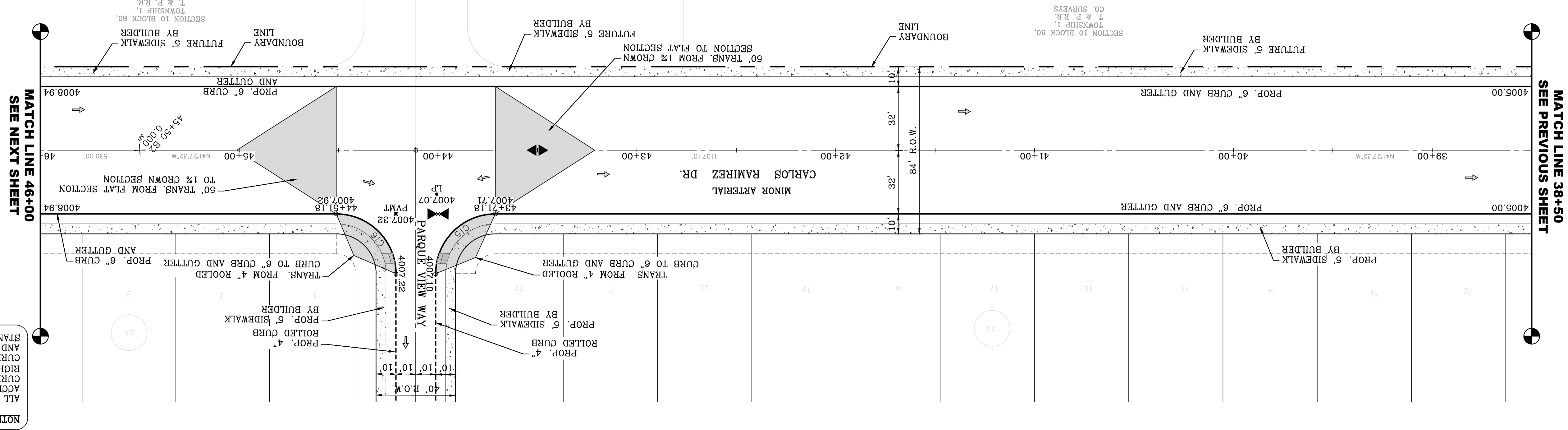
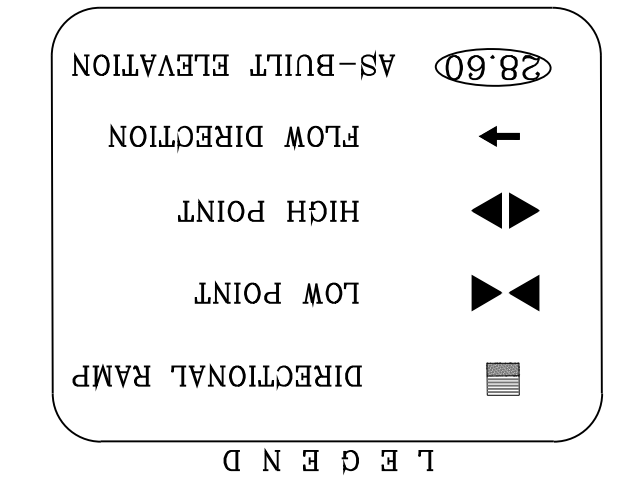
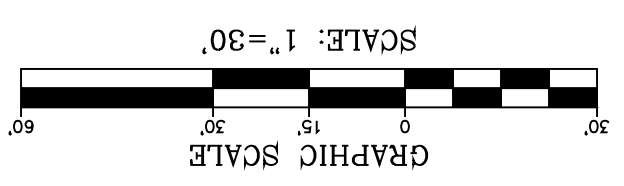


CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|--------|--------|---------|--------|-------------|-----------|
| C15 | 30.00' | 47.12' | 30.00' | 42.43' | N86°27'32"W | 90°00'00" |
| C16 | 30.00' | 47.12' | 30.00' | 42.43' | N33°22'28"E | 90°00'00" |



BY: Oscar Villalobos
 DATE: 03/11/2022

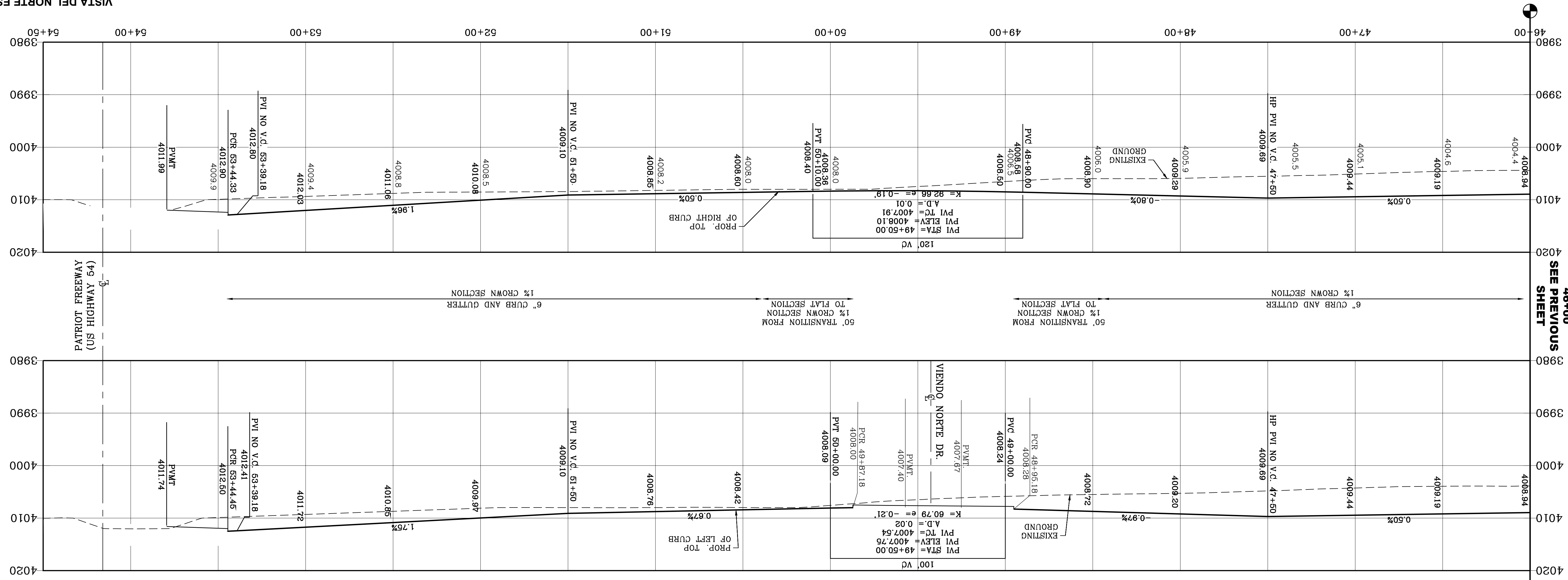


NOTE:

ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

MATCH LINE
46+00
SEE PREVIOUS
SHEET

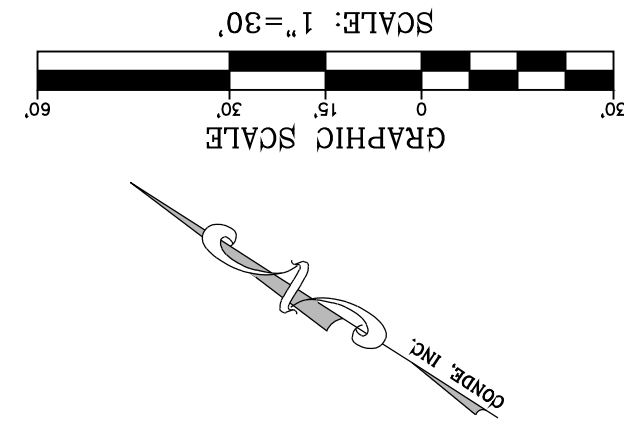
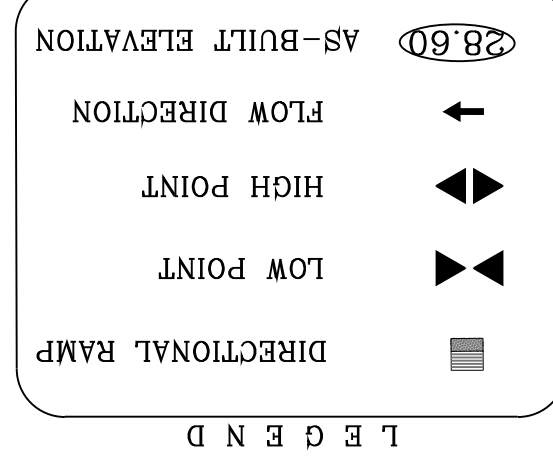
MATCH LINE 46+00
SEE PREVIOUS SHEET



CURVE TABLE

| CURVE | RADIUS | LENGTH | BEARING | CHORD | DELTA |
|-------|--------|--------|---------|-------------|-----------|
| C17 | 30.00' | 47.12' | 42.43° | 86.27' 32"W | 90°00'00" |
| C18 | 30.00' | 47.12' | 30.00° | 86.27' 28"E | 90°00'00" |
| C19 | 30.00' | 47.12' | 30.00° | 86.27' 34"W | 90°00'05" |
| C20 | 35.00' | 55.01' | 35.03° | 90.02' 57" | 90°02'57" |

BY Oscar Villalobos
DATE 03/11/2022



SHT 65 OF 83

CONDE INC. ENGINEERING / PLANNING / SURVEYING / GPS

6050 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

HORIZ: 1" = 30'
VERT: 1" = 10'

PROJECT NAME: VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK: REQUIRED BY OTHER LOGGED AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

DATE: 11/18/20

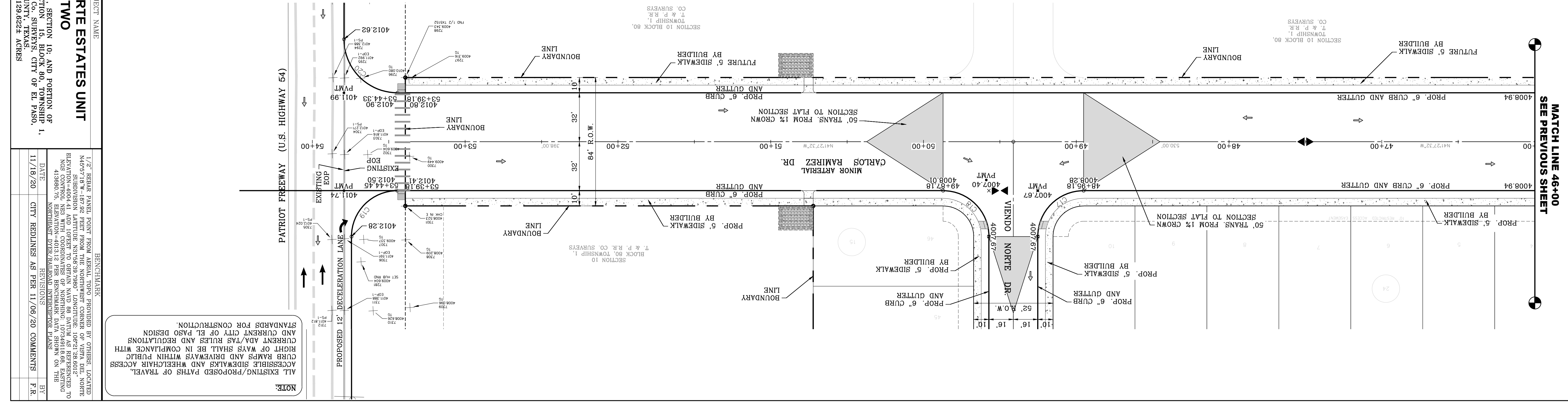
CITY REDLINES AS PER 11/06/20 COMMENTS

BY: F.R.

REVISIONS:

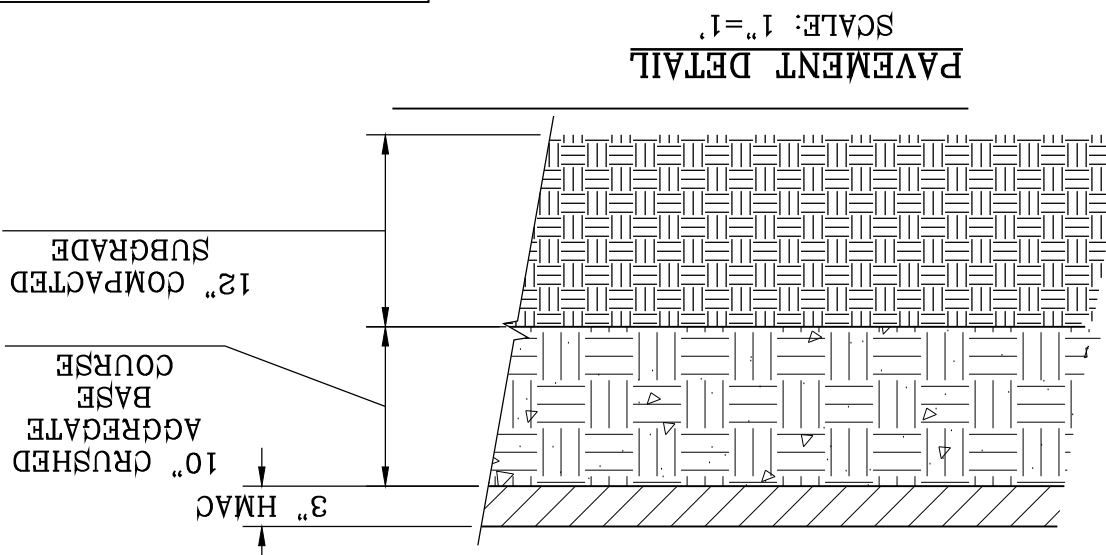
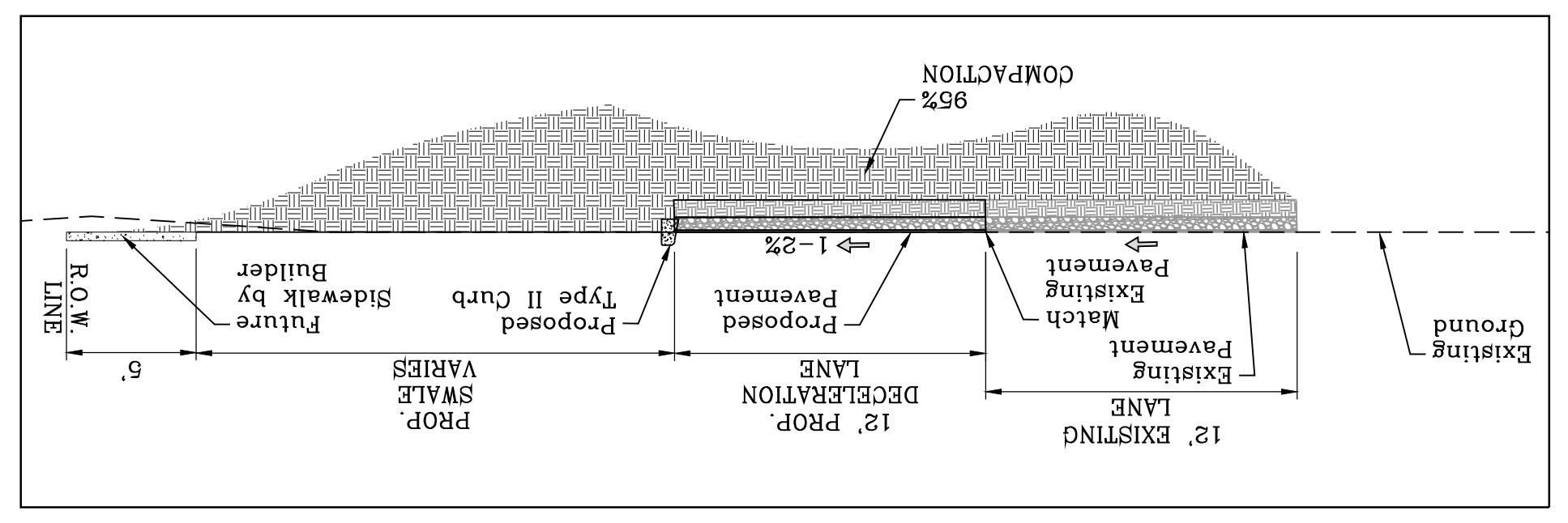
1/2" BEARER PANEL POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO TO THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. ELEVATION: 4004.41 AND 10 FEET TO OBTAIN NAVD 88 DATA AS REFERENCED TO NAVD 83 DATUM. ELEVATION: 4013.12 PER BENCHMARK DATA SHOWN ON THE NORTHEAST DEER/RAILROAD INTERCEPTOR PLANS.

NOTE: ALL EXISTING/PROPOSED PATHS OF TRAVEL, CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



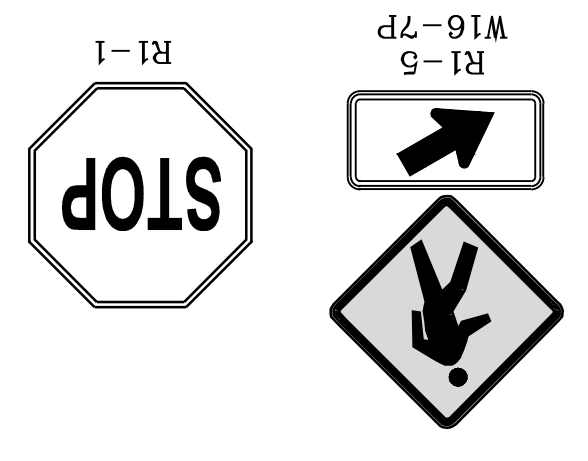
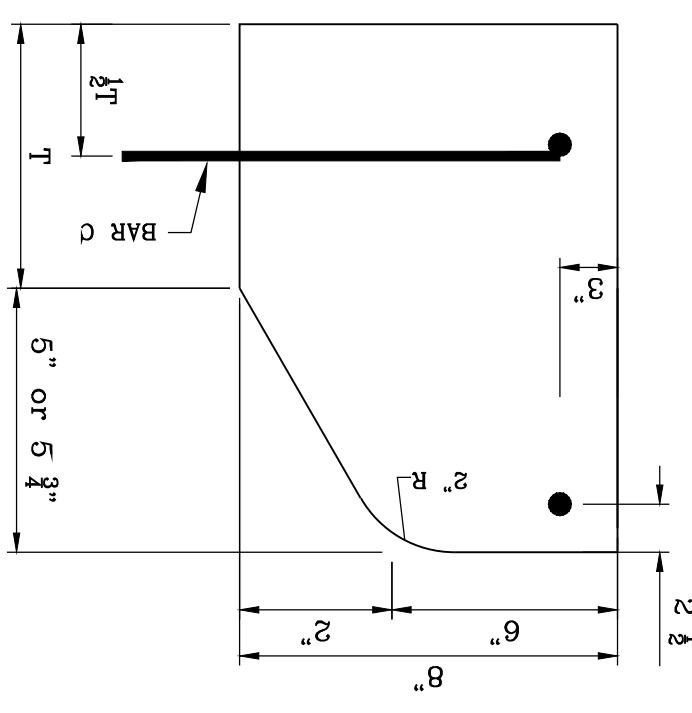
PAVEMENT NOTES

1. SUBGRADE TO BE COMPACTED TO 96% OF MAXIMUM DENSITY AS PER TXDOT'S TEST PROCEDURE TEX-113-E.
2. BASE TO BE COMPACTED TO NOT LESS THAN 100% DENSITY IN ACCORDANCE WITH TXDOT'S TEST PROCEDURE TEX-113-E TYPE A, GRADE 6.
3. BITUMINOUS MATERIAL SHALL CONFORM TO SS-3076, TYPE "C" IN ACCORDANCE WITH TXDOT STANDARDS.
4. PRIME COAT TO BE 0.15 GAL. PER SQUARE YARD (MINIMUM COVERAGE) GSS-1H.
5. COMPACTION TESTS WHERE REQUIRED BY THE CITY ENGINEER MUST BE PAID FOR BY THE DEVELOPER.
6. STRICT VERTICAL CONTROL OF ALL CURB AND GUTTER ELEVATIONS WILL BE MAINTAINED. BLUE TOPPING WILL BE REQUIRED THROUGHOUT.
7. ALL PLANS MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF TXDOT STANDARDS.
8. HMAc, BASE, SUB BASE WILL BE IN ACCORDANCE WITH THE LATEST TXDOT STANDARDS.
9. MINIMUM PAVEMENT DESIGN DETAILS ARE SHOWN. ACTUAL PAVEMENT DESIGN WILL BE DETERMINED BY TXDOT STANDARDS.
10. PAVEMENT MARKING AS PER TXDOT SEE SHEET 2 OF 2 FOR DETAILS.



CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|--------|---------|--------|-------------|-----------|
| C1 | 210.50' | 50.38' | 25.31' | 50.26' | N50°18'37"E | 13°42'47" |
| C2 | 210.50' | 50.63' | 25.44' | 50.51' | S50°16'33"W | 13°46'55" |
| C3 | 35.00' | 54.92' | 34.94' | 49.45' | N88°20'17"E | 89°53'50" |



REVISIONS

| DATE | REVISIONS | BY |
|----------|--|------|
| 07/18/21 | REVISED DECELERATION LENGTH TO 630.00' | F.R. |
| 01/28/21 | TX DOT REDLINES AS PER 01/25/21 COMMENTS' F.R. | F.R. |
| 09/27/21 | TX DOT REDLINES AS PER 09-24-21 BENCHMARK | F.R. |

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

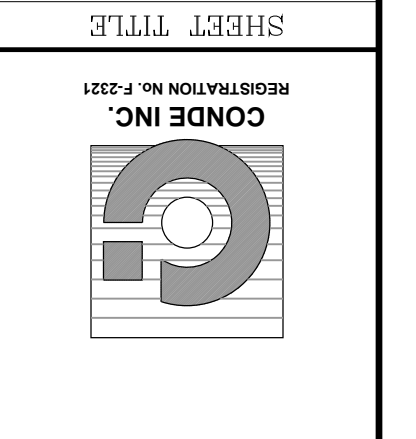
BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, RANGE 14, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, RANGE 14, AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

SCALE
HORIZ. 1" = 30'
VERT. 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 116-53



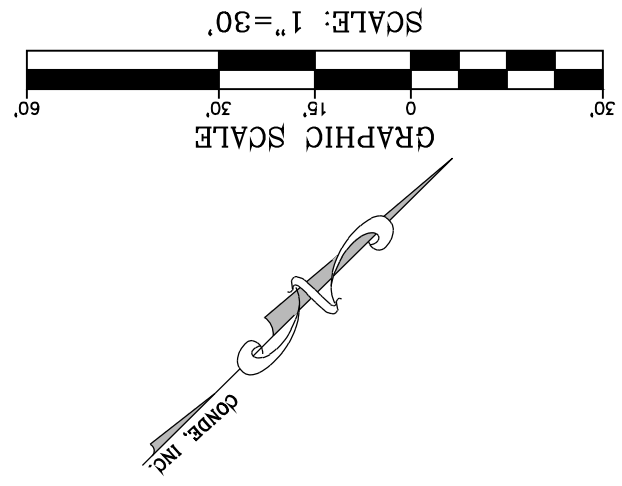
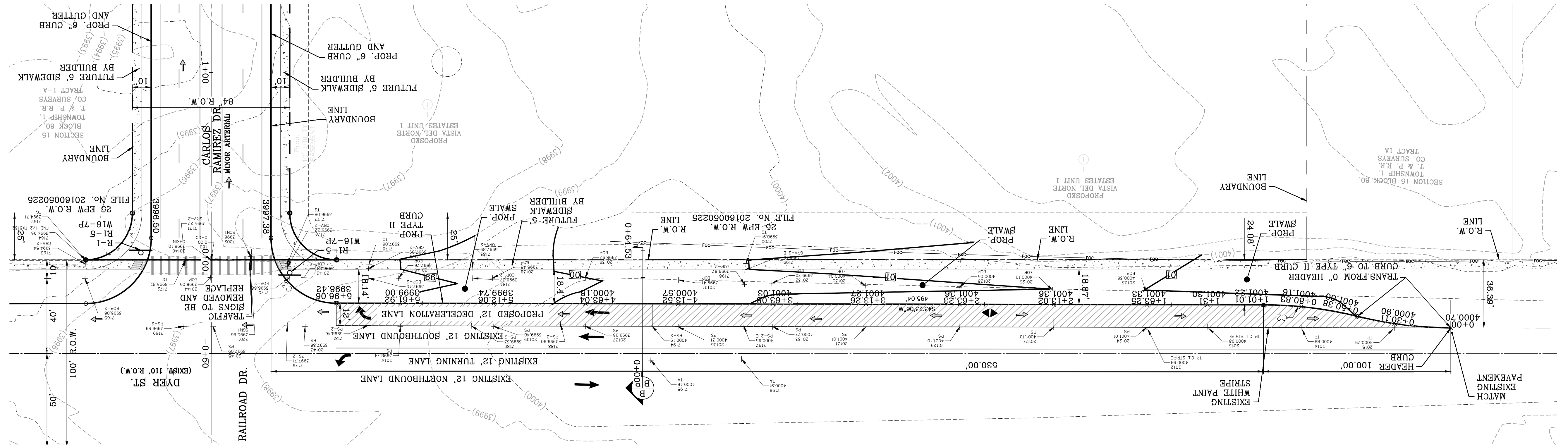
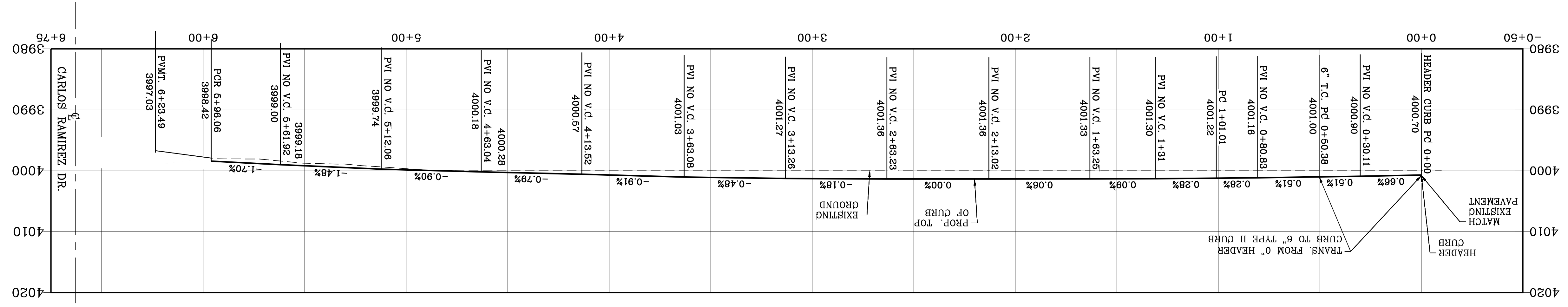
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6090 SUZETTE DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



**DYER ST. AT
CARLOS RAMIREZ DR.
DECELERATION
LANE**

SHEET TITLE
CONDE INC.
REGISTRATION NO. F-2231

SHT 65A OF 83

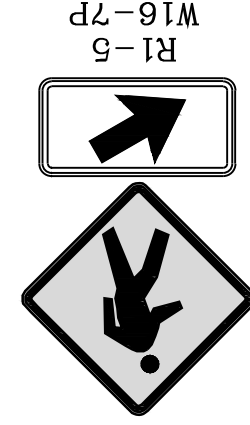
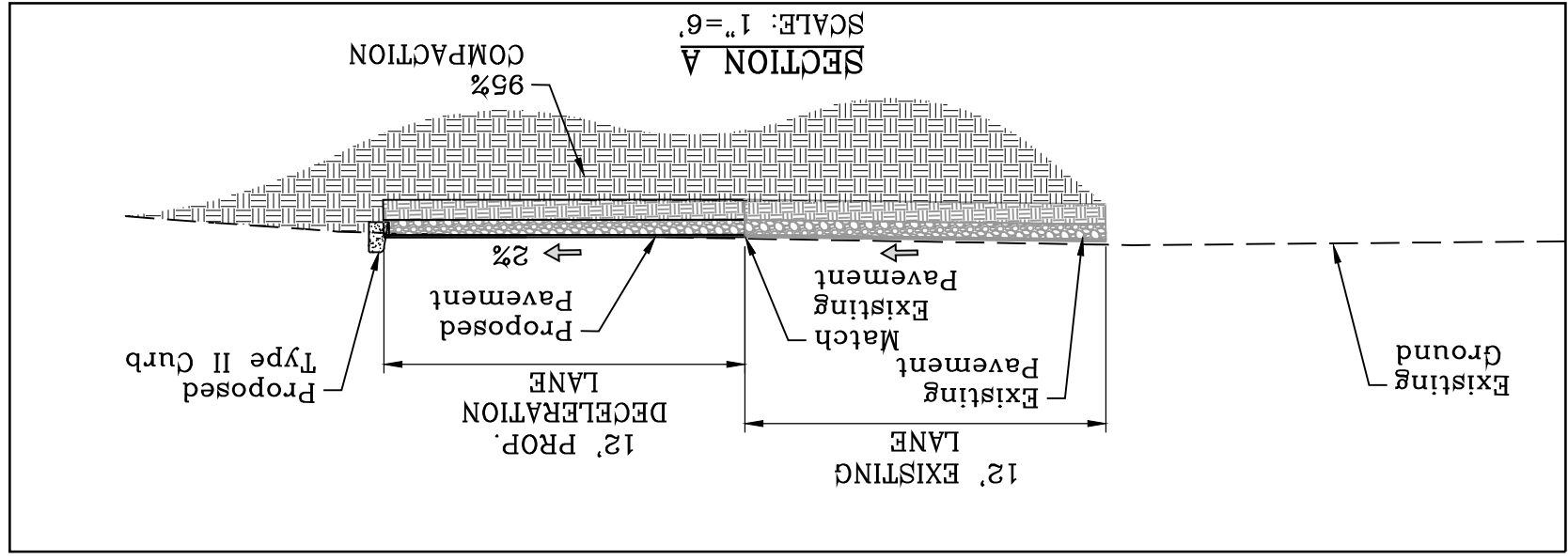


- LEGEND**
- PROPOSED DECELERATION LANE
 - TRAFFIC DIRECTION
 - TRAFFIC DIRECTION
 - TRAFFIC DIRECTION
 - TRAFFIC DIRECTION
 - TRAFFIC SIGNS TO BE REMOVED AND REPLACE
 - 1. RAILROAD DRIVE
 - 2. MATERIAL SIGN
 - 3. STOP SIGNS SHOULD BE 36"x36" AT A MINIMUM.

DATE _____ BY Oscar Villalobos

PAVEMENT NOTES

- SUBGRADE TO BE COMPACTED TO 96% OF MAXIMUM DENSITY AS PER TXDOT'S TEST PROCEDURE TEX-113-E.
- BASE TO BE COMPACTED TO NOT LESS THAN 100% DENSITY IN ACCORDANCE WITH TXDOT'S TEST PROCEDURE TEX-113-E.
- BITUMINOUS MATERIAL SHALL CONFORM TO SS-3076, TYPE "C" IN ACCORDANCE WITH TXDOT STANDARDS.
- PRIME COAT TO BE 0.15 GAL. PER SQUARE YARD (MINIMUM COVERAGE) GSS-1H.
- COMPACTION TESTS WHERE REQUIRED BY THE CITY ENGINEER MUST BE PAID FOR BY THE DEVELOPER.
- STRICT VERTICAL CONTROL OF ALL CURB AND GUTTER ELEVATIONS WILL BE MAINTAINED. BLUE TOPPING WILL BE REQUIRED THROUGHOUT.
- ALL PLANS MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF TXDOT STANDARDS.
- HMAC, BASE, SUB BASE WILL BE IN ACCORDANCE WITH THE LATEST TXDOT STANDARDS.
- MINIMUM PAVEMENT DESIGN DETAILS ARE SHOWN. ACTUAL PAVEMENT DESIGN WILL BE DETERMINED BY TXDOT STANDARDS.
- PAVEMENT MARKING AS PER TXDOT SEE SHEET 2 OF 2 FOR DETAILS.

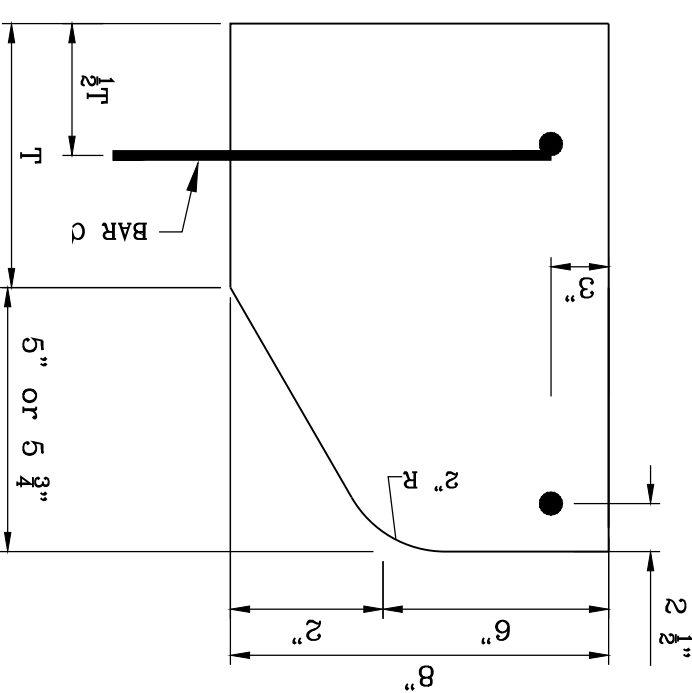
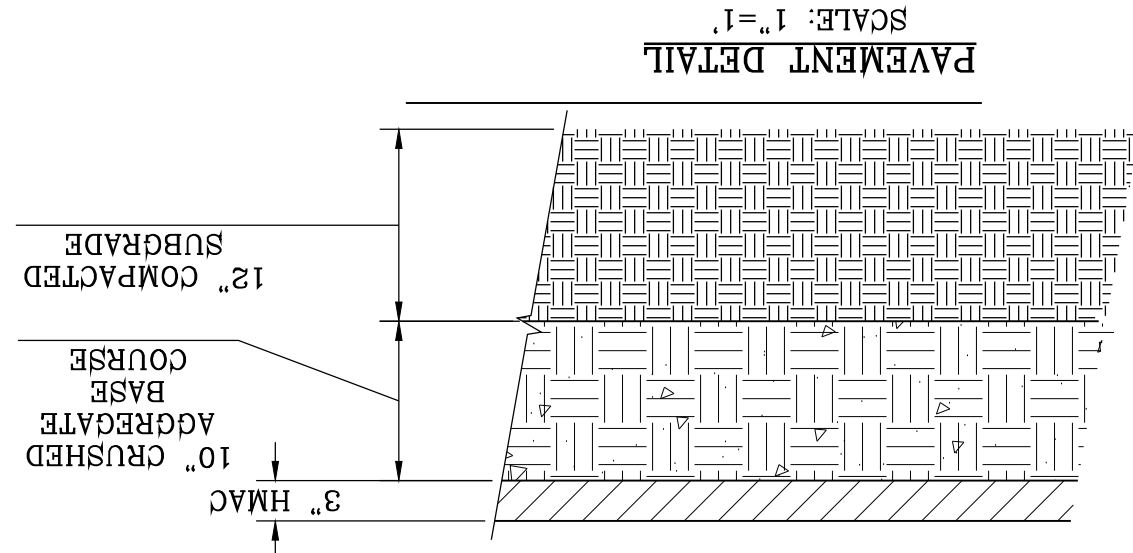


NOTE:
STOP SIGNS SHOULD BE 36"x36" AT A MINIMUM.

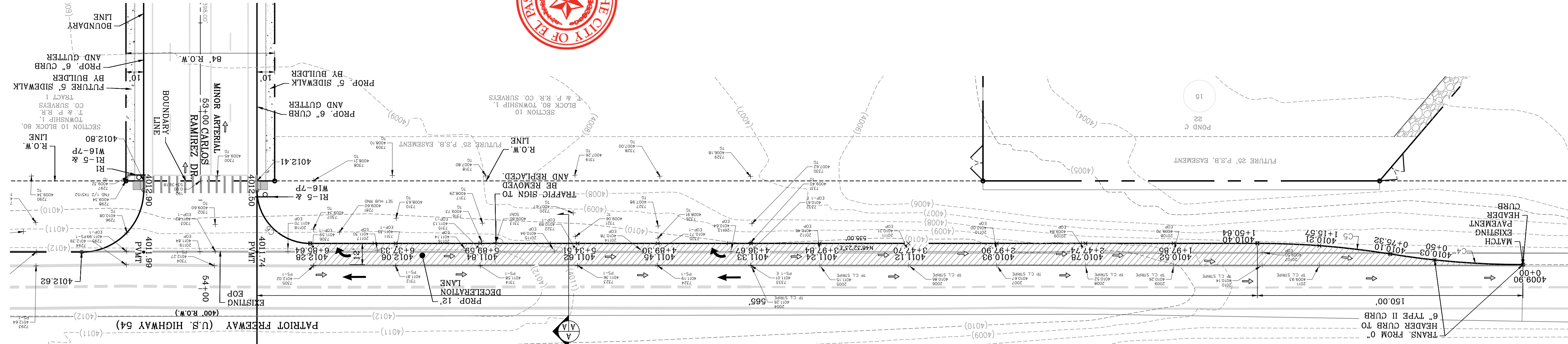
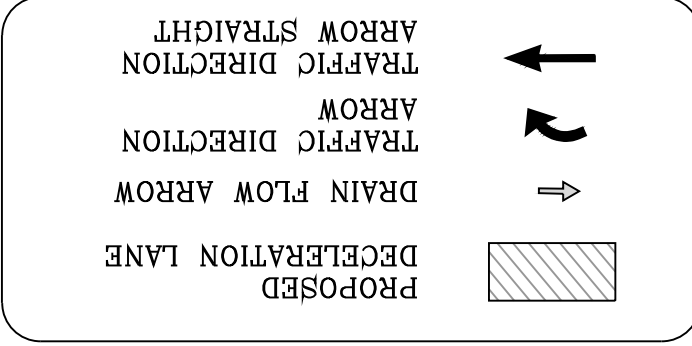
NOTE:
TRAFFIC SIGNS TO BE REMOVED AND REPLACE 1. ADOPT A HIGHWAY NEXT 2 MILES ADDRESS HIGH SCHOOL JUNCT

CURVE TABLE

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | BEARING | DELTA |
|-------|---------|--------|---------|--------|-------------|-----------|
| C6 | 30.00' | 47.12' | 30.00' | 42.43' | N86°27'34"W | 90°00'05" |
| C5 | 471.76' | 75.32' | 37.74' | 75.24' | S53°06'49"E | 9°08'52" |
| C4 | 471.76' | 75.32' | 37.74' | 75.24' | S53°06'49"W | 9°08'52" |



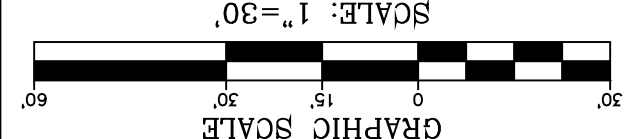
TYPE II CURB
5" - 6 3/4" HEIGHT
N.T.S.



DATE: 03/11/2022
BY: Oscar Villalobos



| Station | Vertical Curve Data | Grade (%) | Notes |
|---------|----------------------|-----------|---|
| 0+00 | Header curb 0+00 | 0.27% | Match |
| 0+25 | 6" Type II curb 0+50 | 0.27% | Header pavement |
| 0+50 | PC 0+76.32 | 0.27% | Trans. from 0" header curb to 6" type II curb |
| 1+00 | PVI NO. V.C. 1+15.57 | 0.27% | Existing ground |
| 1+25 | PC 1+50.64 | 0.54% | Prop. top of curb |
| 1+50 | PVI NO. V.C. 1+97.85 | 0.26% | Existing ground |
| 2+00 | PVI NO. V.C. 2+47.74 | 0.30% | Prop. top of curb |
| 2+25 | PVI NO. V.C. 2+97.90 | 0.30% | Existing ground |
| 2+50 | PVI NO. V.C. 3+47.70 | 0.24% | Existing ground |
| 3+00 | PVI NO. V.C. 3+97.84 | 0.23% | Existing ground |
| 3+25 | PVI NO. V.C. 4+36.67 | 0.23% | Existing ground |
| 3+50 | PVI NO. V.C. 4+89.30 | 0.23% | Existing ground |
| 4+00 | PVI NO. V.C. 5+34.51 | 0.38% | Existing ground |
| 4+25 | PVI NO. V.C. 5+89.59 | 0.40% | Existing ground |
| 4+50 | PVI NO. V.C. 6+37.33 | 0.46% | Existing ground |
| 5+00 | PVI NO. V.C. 6+85.64 | 0.46% | Existing ground |
| 5+25 | PVI NO. V.C. 7+15.83 | 0.46% | Existing ground |
| 5+50 | PVI NO. V.C. 7+41.74 | 0.46% | Existing ground |
| 6+00 | PVI NO. V.C. 7+41.74 | 0.46% | Existing ground |
| 6+25 | PVI NO. V.C. 7+41.74 | 0.46% | Existing ground |
| 6+50 | PVI NO. V.C. 7+41.74 | 0.46% | Existing ground |



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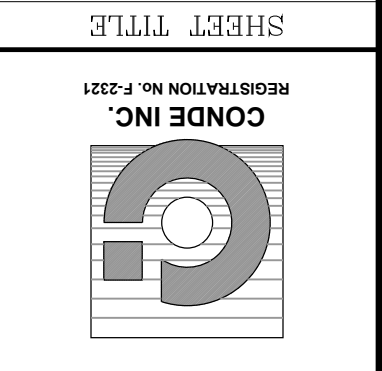
SHEET TITLE: PATRIOT FREEWAY (US HIGHWAY 54) DECELERATION LANE
SHT 65B OF 83

VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|--|
| 01/28/21 | F.R. | TX DOT REDLINES AS PER 01/25/21 COMMENTS |
| 07/28/21 | F.R. | REVISED DECELERATION LENGTH TO 715.00' |
| 09/22/21 | F.R. | TX DOT REDLINES AS PER 09-24-21 |



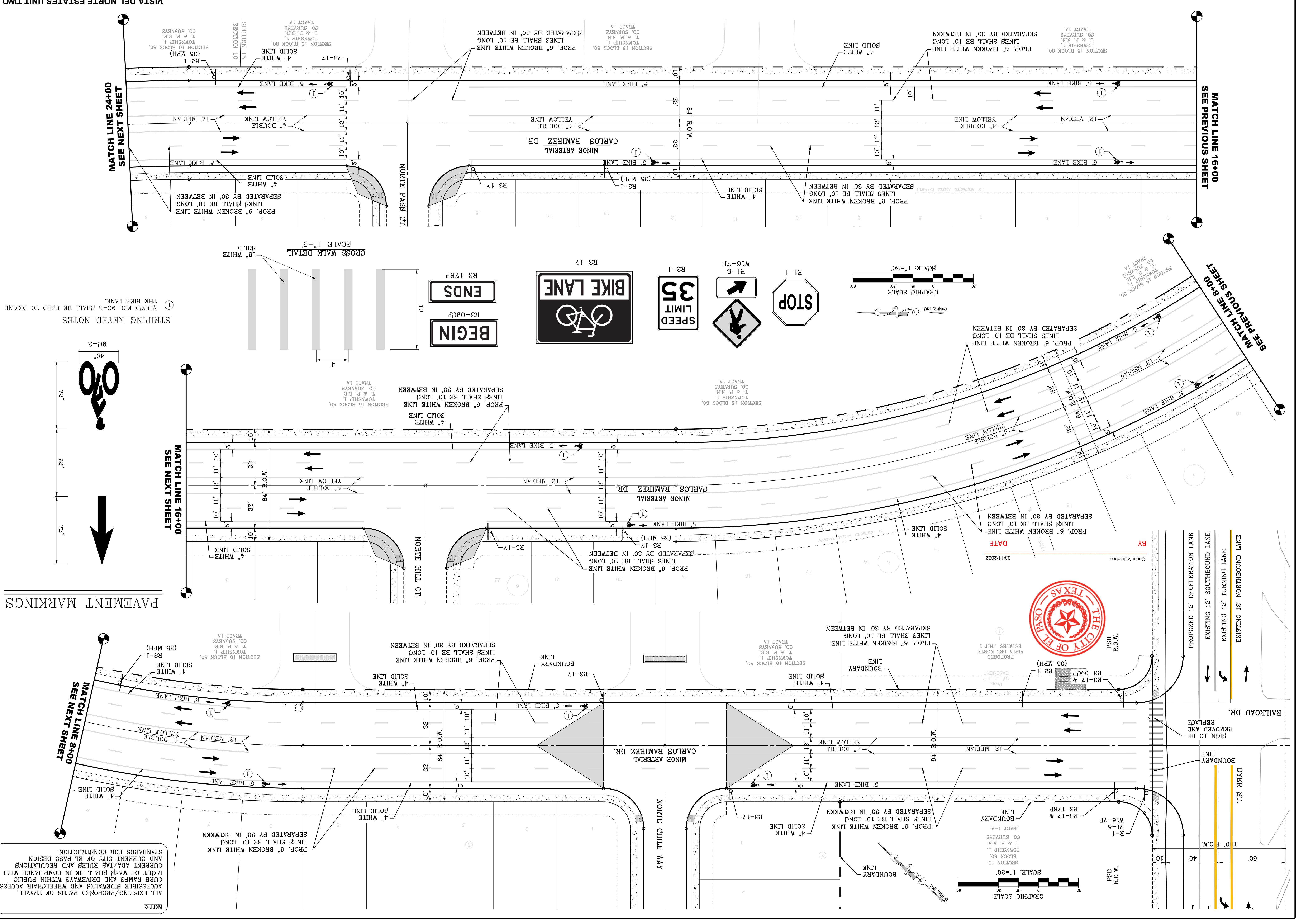
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6040 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SCALE
 HORIZ. 1" = 30'
 VERT. 1" = 10'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

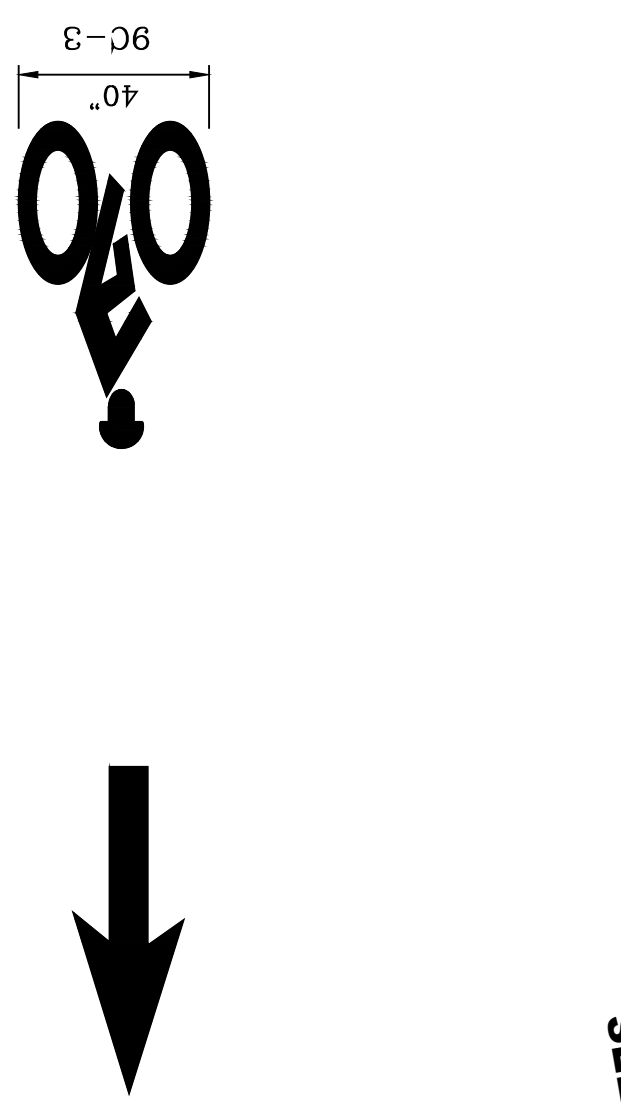
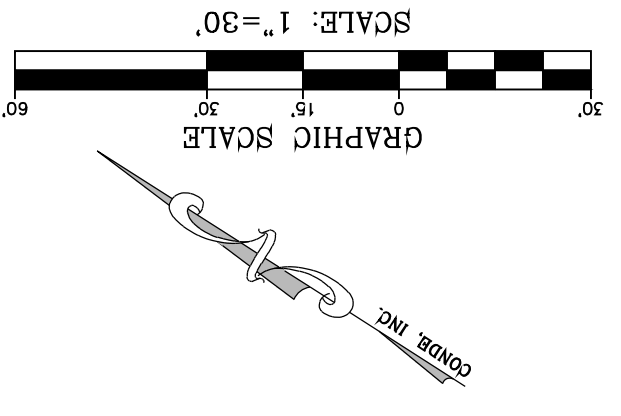
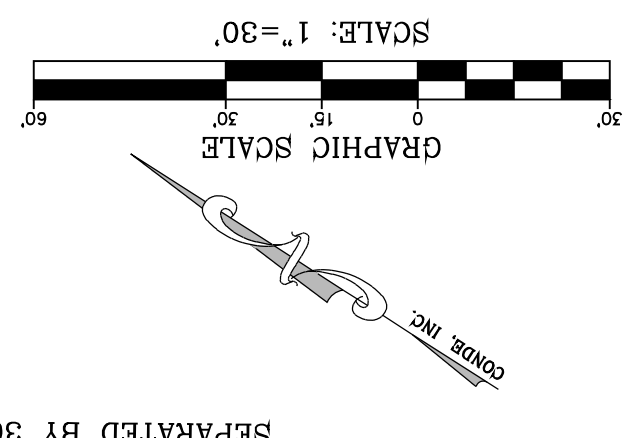
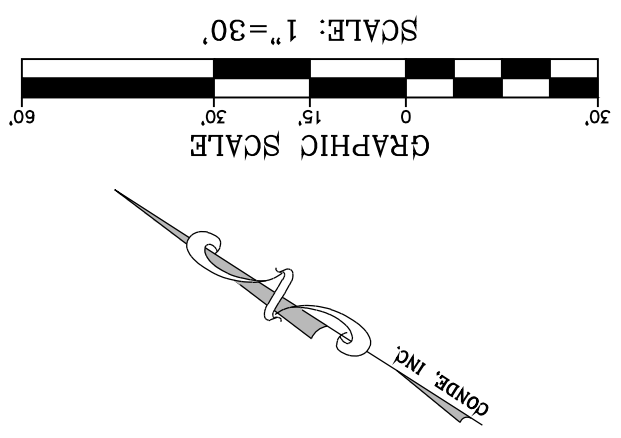
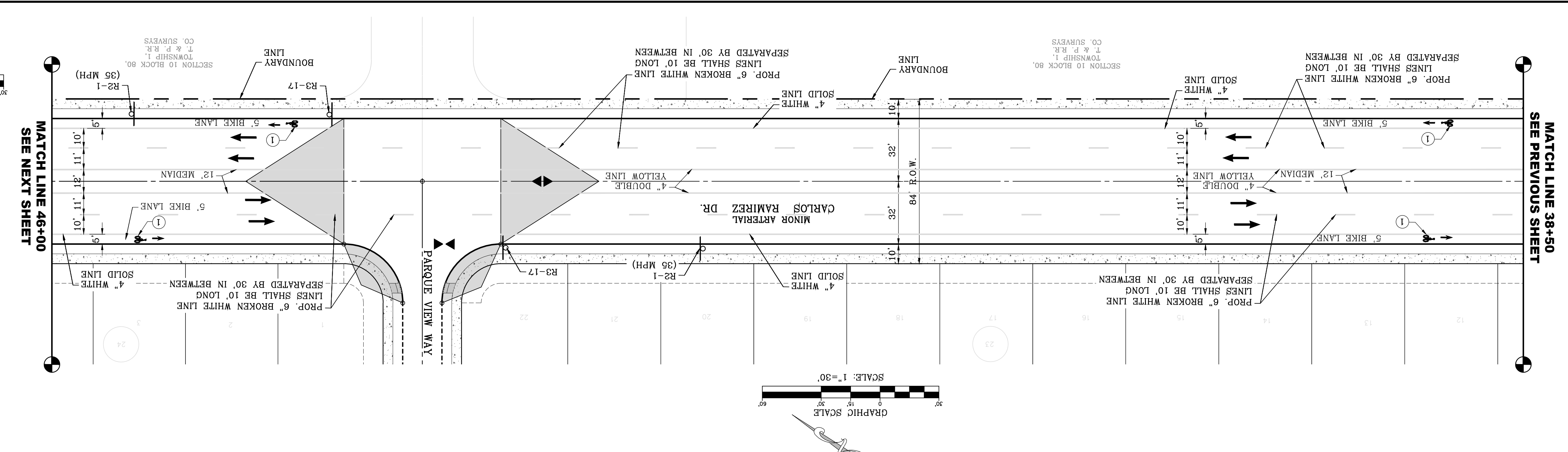
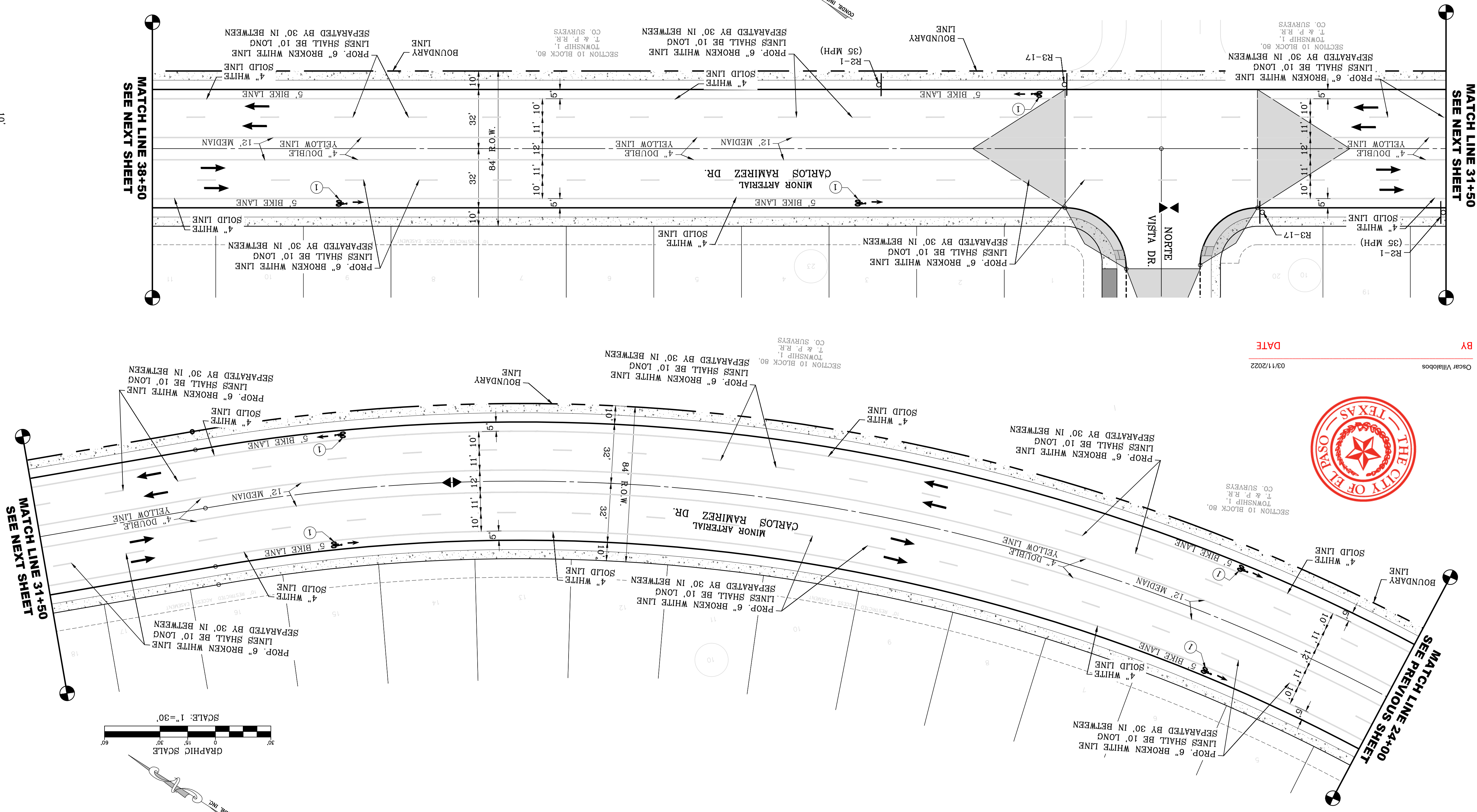
DATE 09/28/19
CITY REDLINES AS PER 05/06/19 COMMENTS
BY F.R.
REVISIONS
 1/2" BEARER PANEL FROM AERIAL TOPO PROVIDED BY OTHERS. LOCATED 145°57'18" BEARING FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO TO THE CENTER OF THE CURVE. DISTANCE 107'9" ELEVATION 4004.41 AND 107'9" TO CENTER OF NORTHING. 107'9" 41818.66 EASTING 413680.75. NORTHWEST CORNER/BEARER PANEL INTERSECTION ON THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO.
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.



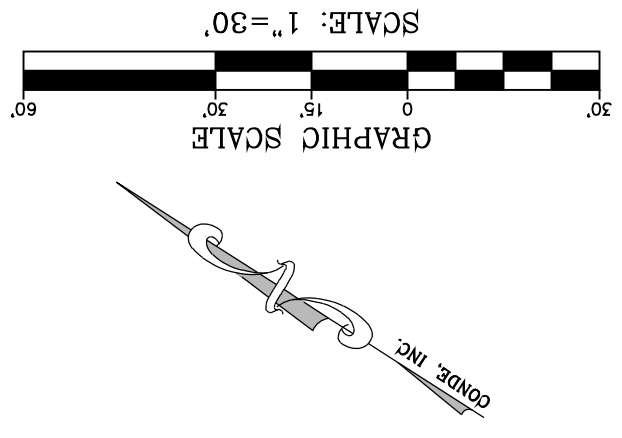
Clear Villalobos BY DATE 03/11/2022



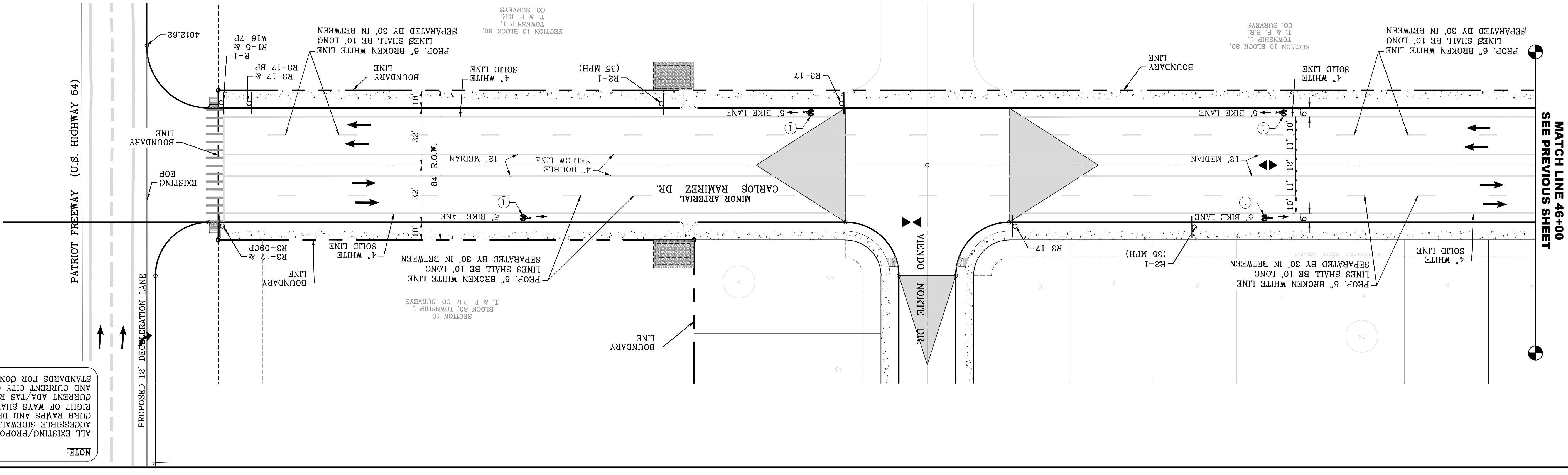
STRIPING KEYED NOTES: 1 THE BIKE LANE. MUTCD FIG. 9C-3 SHALL BE USED TO DEFINE STANDARDS FOR CONSTRUCTION.

Project information including sheet title (SHT 66A OF 83), engineer's seal, scale (1"=30'), project name (VISTA DEL NORTE ESTATES UNIT TWO), and revision table.

Signage and striping details including 'BIKE LANE', '35 SPEED LIMIT', 'BEGIN ENDS', and 'RAILROAD CROSSING' signs.

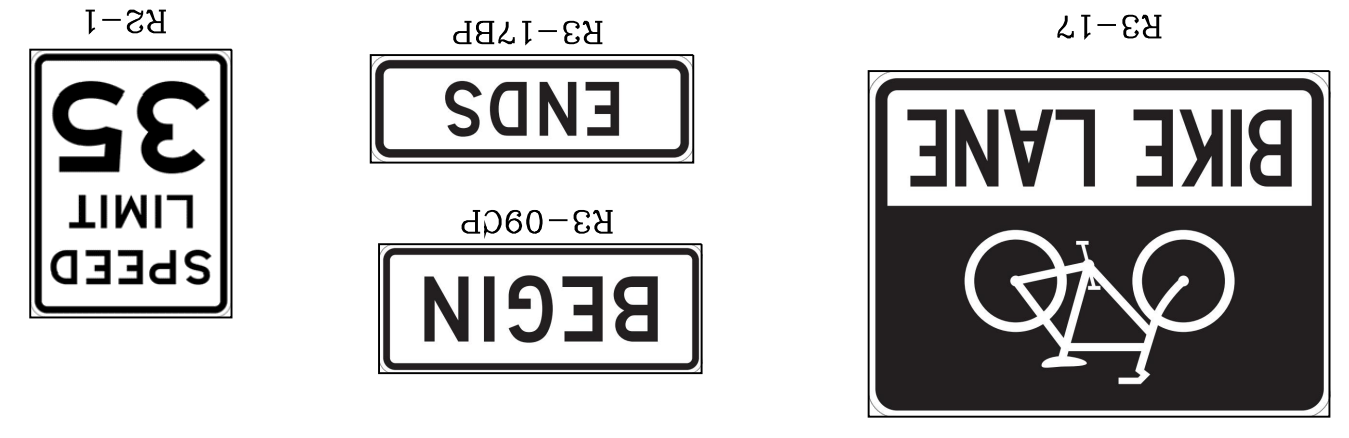
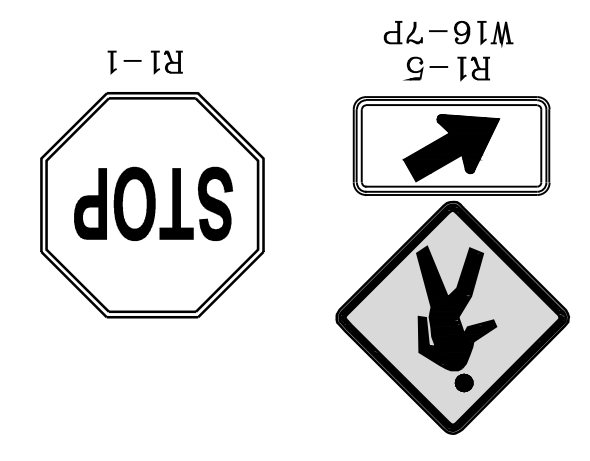
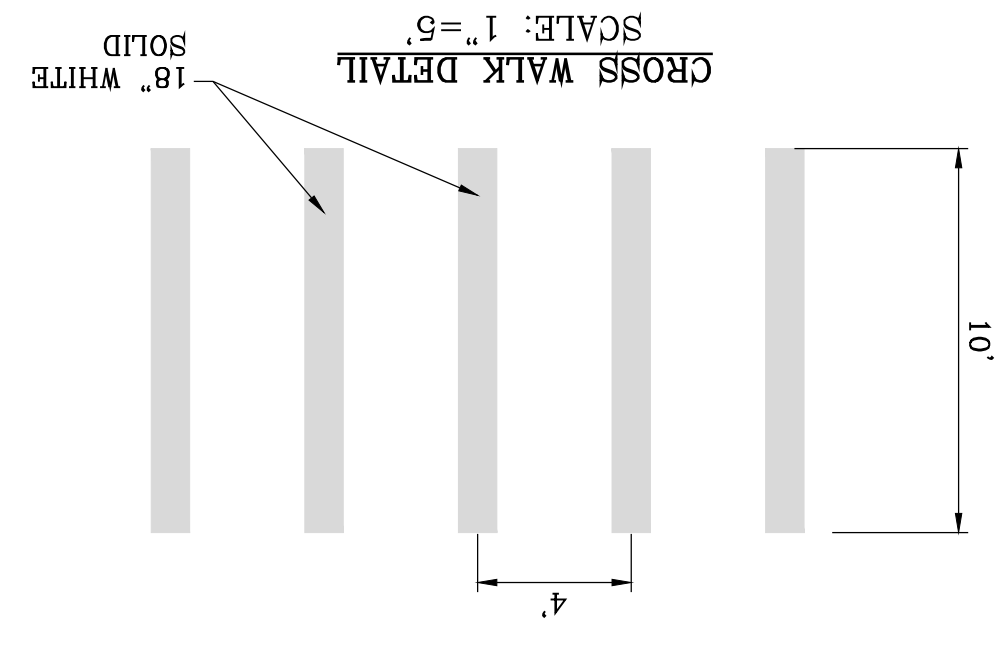
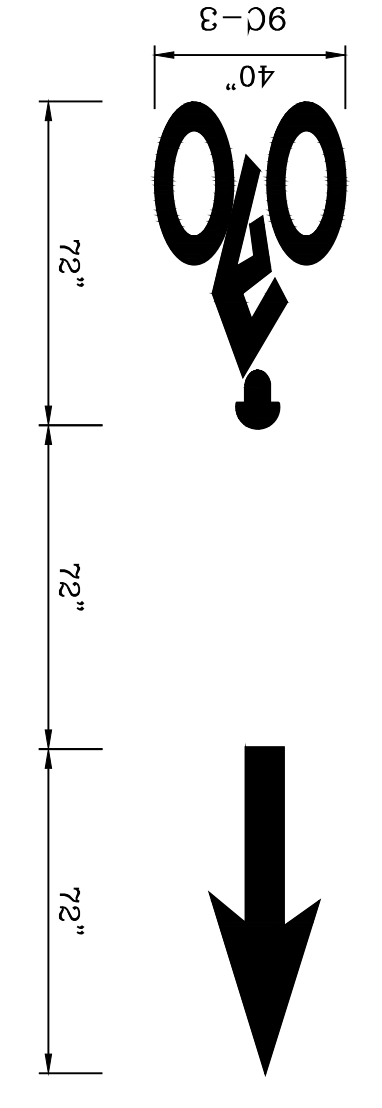


NOTE:
 ALL EXISTING/PROPOSED PATHS OF TRAVEL, ACCESSIBLE SIDEWALKS AND WHEELCHAIR ACCESS CURB RAMPS AND DRIVEWAYS WITHIN PUBLIC RIGHT OF WAYS SHALL BE IN COMPLIANCE WITH CURRENT ADA/TAS RULES AND REGULATIONS AND CURRENT CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION.

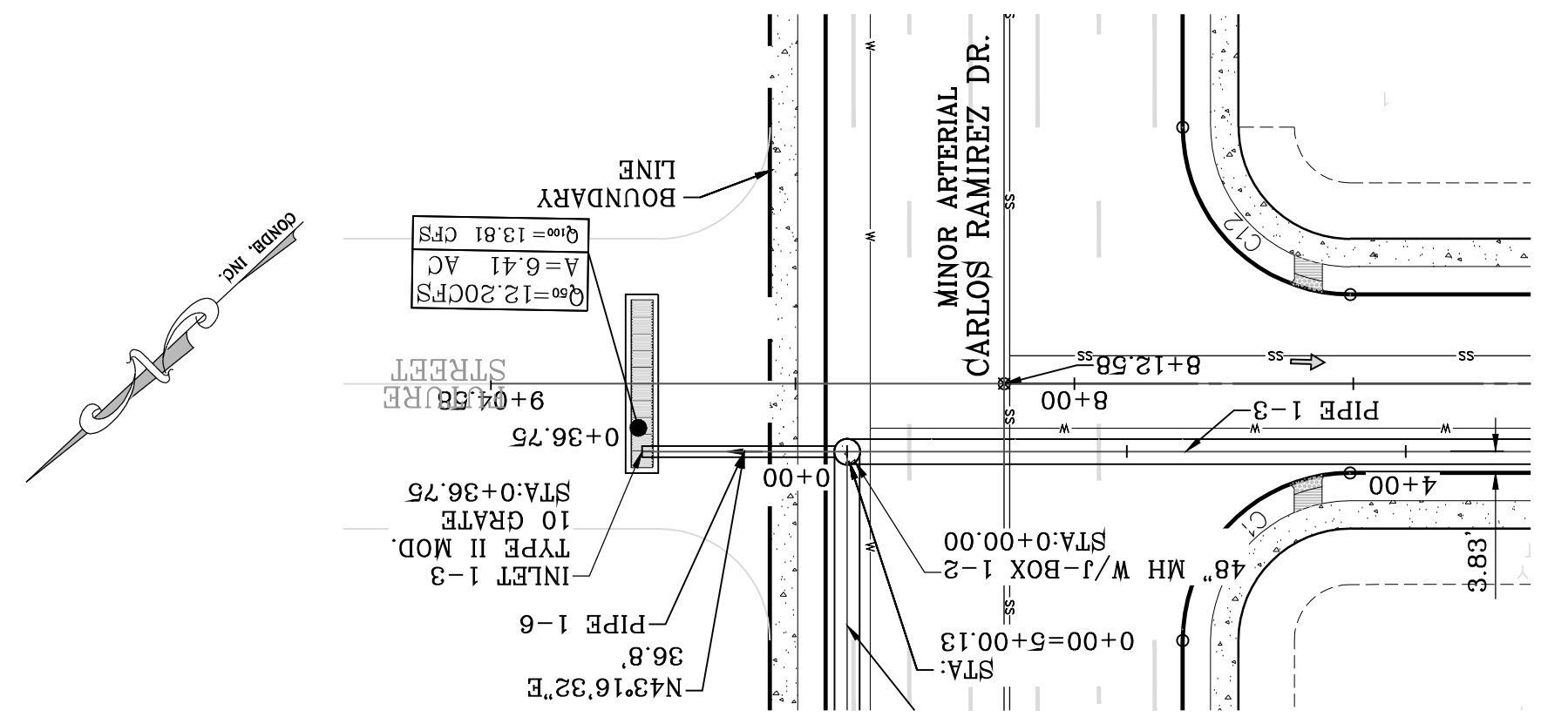
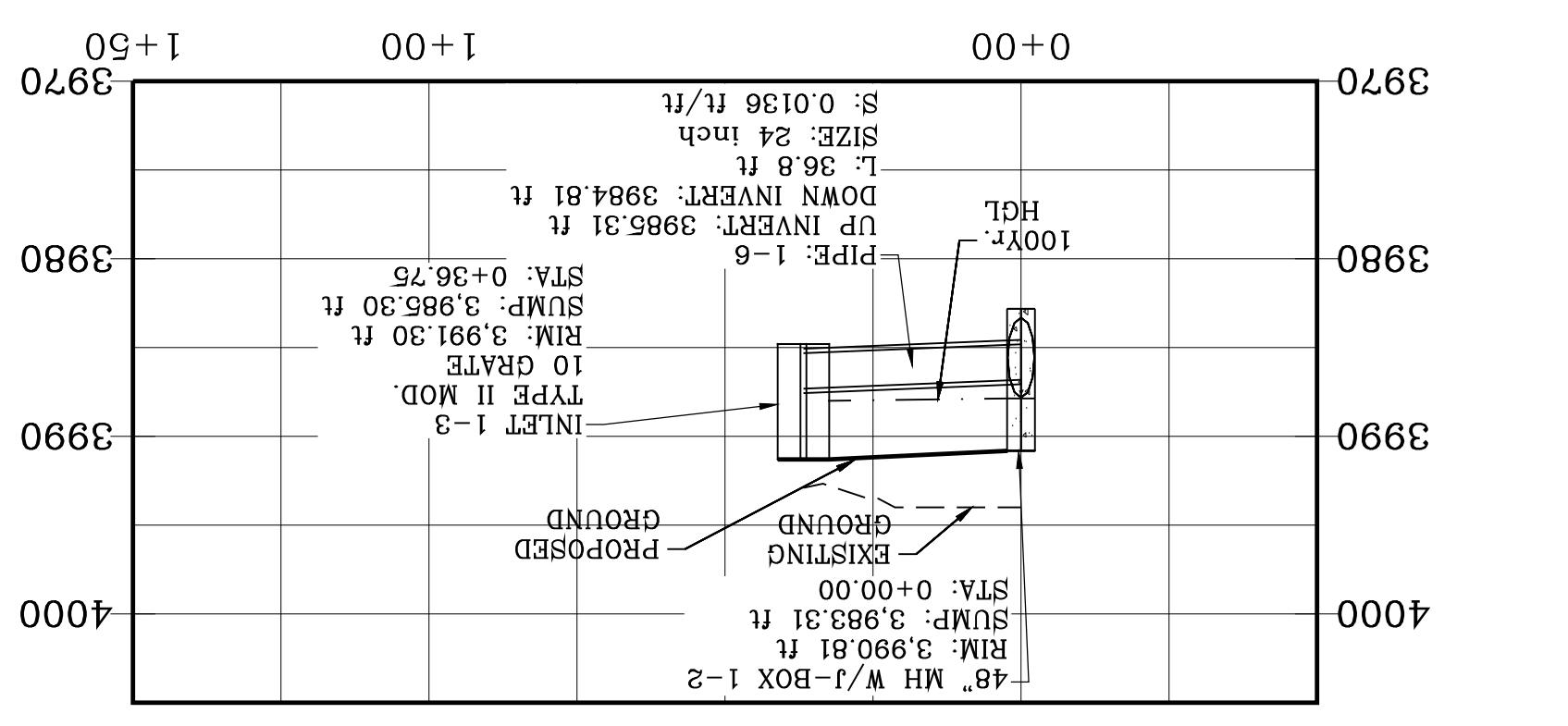


PAVEMENT MARKINGS

① STRIPING KEYED NOTES
 ① MUTCD FIG. 9C-3 SHALL BE USED TO DEFINE THE BIKE LANE.

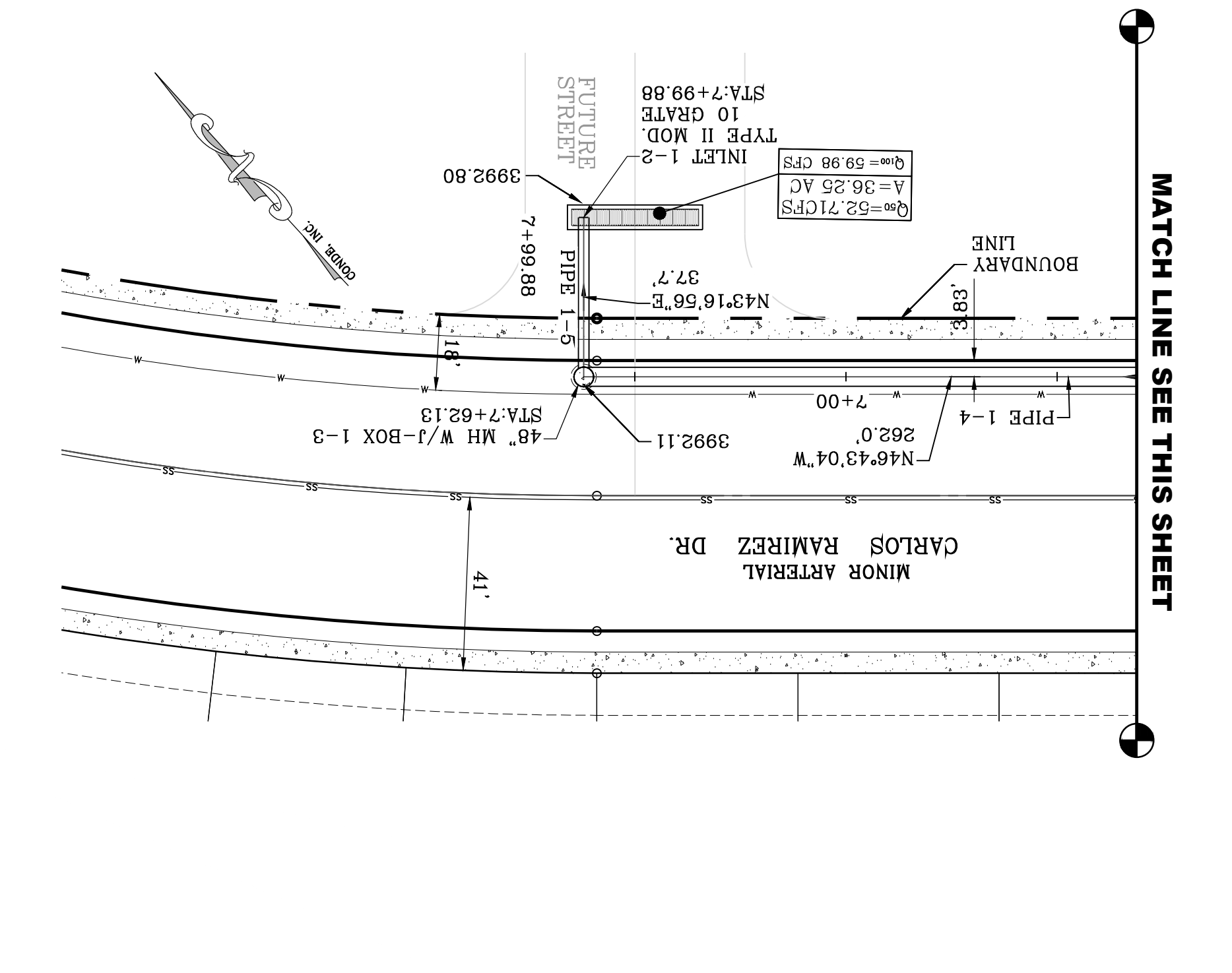
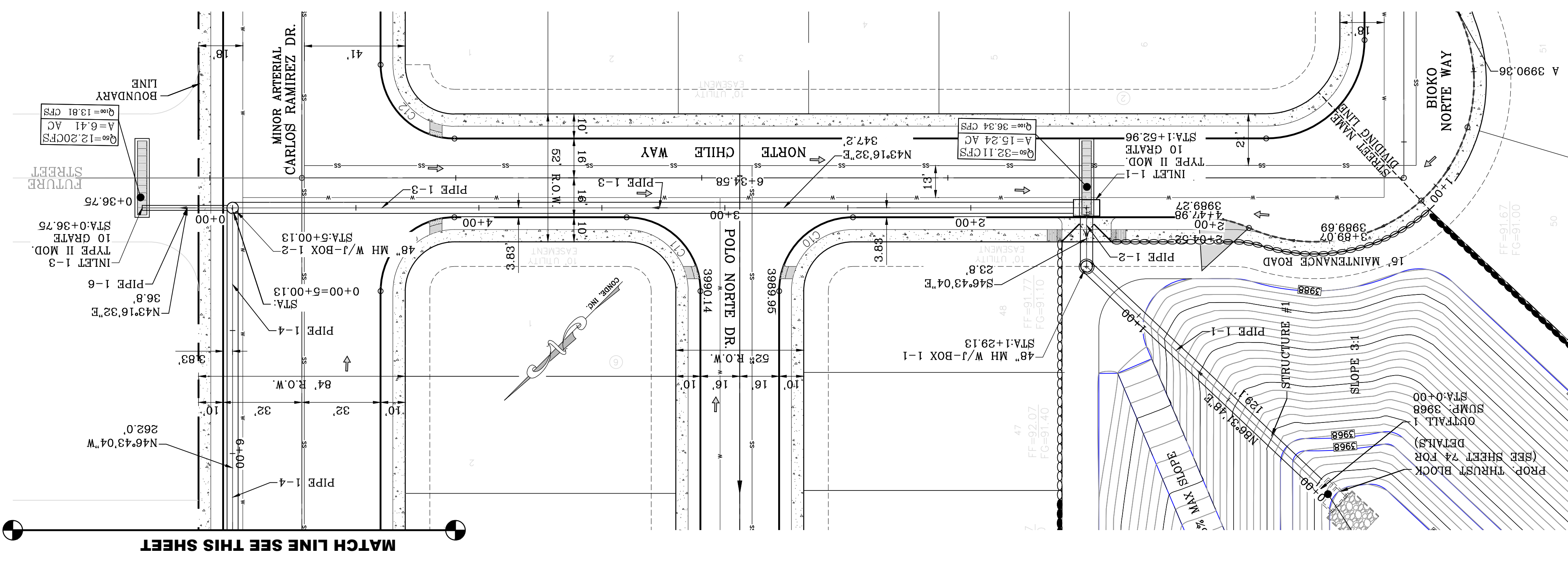
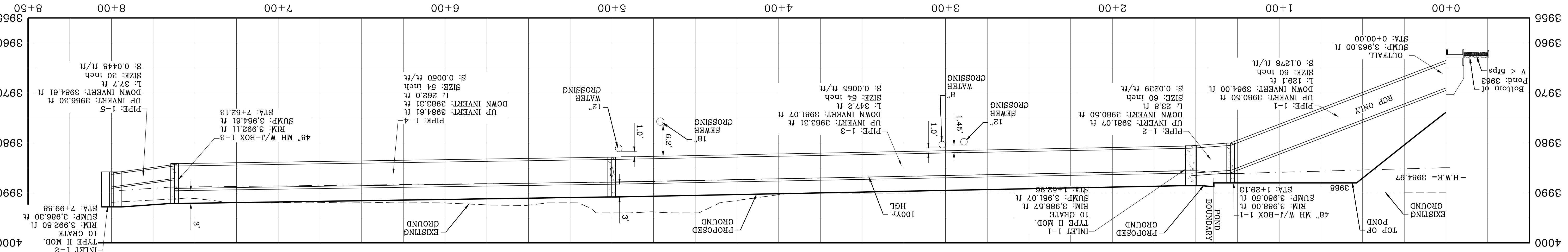


MATCH LINE 46+00
 SEE PREVIOUS SHEET



PIPE TABLE

| PIPE | SIZE | LENGTH | SLOPE (FT/FT) | UP INV. | DOWN INV. | QCAP (CFS) | QEXP (CFS) | HGL UP | AVERAGE VELOCITY (FT/S) |
|------|------|--------|---------------|---------|-----------|------------|------------|---------|-------------------------|
| 1-1 | 60" | 129.1' | 0.1278 | 3980.50 | 3964.00 | 108.36 | 1038.78 | 3986.13 | 15.05 |
| 1-2 | 60" | 23.8' | 0.0239 | 3981.07 | 3980.50 | 3981.07 | 3980.50 | 3986.13 | 10.40 |
| 1-3 | 64" | 347.2' | 0.0065 | 3983.31 | 3981.07 | 184.73 | 3987.87 | 3985.56 | 10.54 |
| 1-4 | 64" | 262.0' | 0.0050 | 3984.61 | 3983.31 | 69.98 | 3988.83 | 3987.87 | 9.36 |
| 1-5 | 30" | 37.7' | 0.0448 | 3986.30 | 3984.61 | 59.98 | 3989.52 | 3988.83 | 12.22 |
| 1-6 | 24" | 36.8' | 0.0136 | 3985.31 | 3984.61 | 28.58 | 3987.99 | 3987.87 | 2.05 |



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FAX: (915) 592-0286

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|--|
| 09/19/19 | F.R. | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |
| 02/08/21 | F.R. | EL PASO WATER REDLINES AS PER 01/27/21 |

STRUCTURE #1 INLET DATA

| INLET NO. | TYPE | INLET NO. | Qd60 YR. | Qd100 YR. |
|-----------|---------|-----------|----------|-----------|
| 1-1 | II mod. | 10 | 30.54 | 34.57 |
| 1-2 | II mod. | 10 | 52.71 | 59.98 |
| 1-3 | II mod. | 10 | 12.20 | 13.81 |

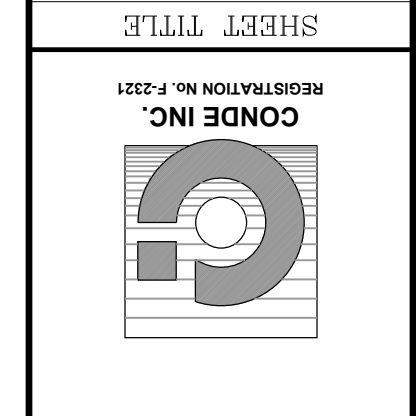
CLOGGING FACTOR = 2/3

GRAPHIC SCALE: 1"=30'

DATE: 03/11/2022
BY: Oscar Villalobos

THE CITY OF EL PASO, TEXAS

- *SANITITE HP NOTE***
ALL PIPES ARE CLASS III OR SANITITE HP TRIPLE WALL UNLESS OTHERWISE NOTED.
- CONSTRUCTION NOTES:**
- ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI UNLESS OTHERWISE NOTED.
 - MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
 - 96% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1657.
 - REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
 - SANITITE HP TRIPLE WALL TO BE USED AS AN APPROVED ALTERNATE FOR ALL PIPE EXCEPT FOR THE PIPE ENTERING THE POND.
- *SANITITE HP NOTE***
PIPE FITTINGS SHALL BE TRIPLE WALL, SMOOTH INTERIOR AND EXTERIOR, WITH ANNUAR INNER CORRUGATIONS IN CONFORMANCE TO ASTM F2764 FOR PIPE DIAMETERS 30" TO 60", PIPE FITTINGS FOR DIAMETERS UP TO AND INCLUDING 60" SHALL HAVE A MINIMUM PIPE STIFFNESS OF 40 PSI WHEN TESTED IN ACCORDANCE WITH ASTM D2412. PIPE FITTINGS FOR DIAMETERS UP TO AND INCLUDING 60" SHALL BE WATER TIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212.



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SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

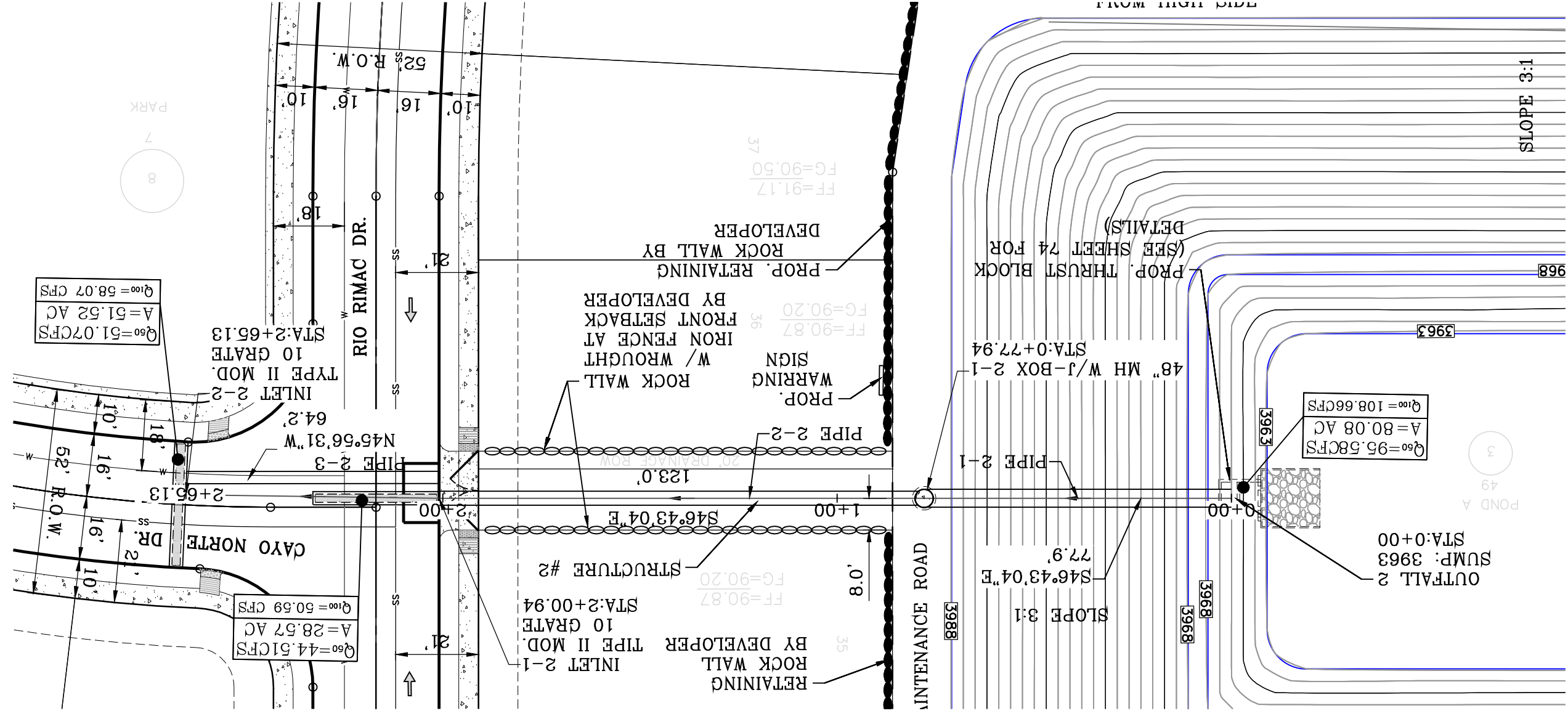
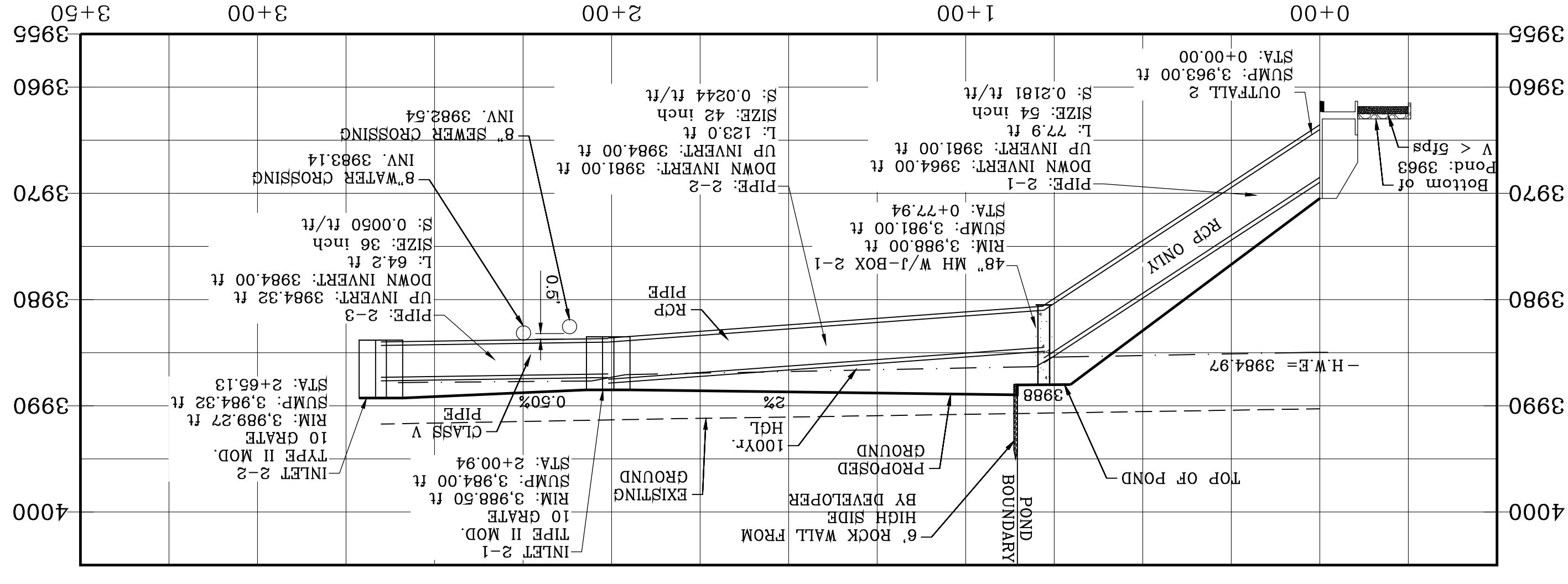
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS COUNTY, TEXAS, CONTAINING: 129.622± ACRES

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|--|
| 09/19/19 | F.R. | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |
| 02/08/21 | F.R. | EL PASO WATER REDLINES AS PER 01/27/21 |

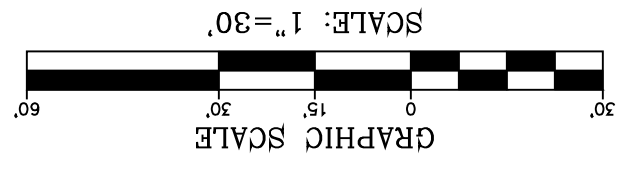


ALL PIPES ARE CLASS III OR SANITITE HP TRIPLE WALL UNLESS OTHERWISE NOTED

SANITITE HP NOTE
 PIPE FITTINGS SHALL BE TRIPLE WALL, SMOOTH INTERIOR AND EXTERIOR, WITH ANNUULAR INNER CORRUGATIONS IN CONFORMANCE TO ASTM F2764 FOR PIPE DIAMETERS 30" TO 60". PIPE FITTINGS FOR PIPE DIAMETERS UP TO AND INCLUDING 60" SHALL HAVE A MINIMUM PIPE STIFFNESS OF 40 PSI WHEN TESTED IN ACCORDANCE WITH ASTM D2412. PIPE FITTINGS FOR DIAMETERS UP TO AND INCLUDING 60" SHALL BE WATERIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D212.

CONSTRUCTION NOTES:

1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI, UNLESS OTHERWISE NOTED.
2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
3. 96% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1557.
4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
5. SANITITE HP TRIPLE WALL TO BE USED AS AN APPROVED ALTERNATE FOR ALL PIPE EXCEPT FOR THE PIPE ENTERING THE POND.



STRUCTURE #2 INLET DATA

| INLET No. | INLET TYPE | INLET GRATES | Qd100 yr cfs | Qd60 yr cfs | Qd10 yr cfs |
|-----------|------------|--------------|--------------|-------------|-------------|
| 2-1 | II mod. | 10 | 44.51 | 50.59 | 77.20 |
| 2-2 | II mod. | 10 | 51.07 | 58.07 | 77.20 |

CLOGGING FACTOR = 2/3

PIPE TABLE

| Pipe | SIZE | LENGTH | SLOPE (FT/FT) | DOWN INV. | UP INV. | QEXP (CFS) | QCAP (CFS) | HGL UP | HGL DOWN | AVERAGE VELOCITY (FT/S) |
|------|------|--------|---------------|-----------|---------|------------|------------|---------|----------|-------------------------|
| 2-1 | 54" | 77.9' | 0.2181 | 3981.00 | 3984.00 | 108.66 | 994.98 | 3985.43 | 3984.97 | 10.69 |
| 2-2 | 42" | 123.0' | 0.0244 | 3984.00 | 3984.00 | 50.59 | 120.36 | 3987.07 | 3986.32 | 8.82 |
| 2-3 | 36" | 64.2' | 0.0050 | 3984.32 | 3984.00 | 58.07 | 63.77 | 3987.82 | 3987.67 | 4.85 |

SHT 67A OF 83
STRUCTURE 2
 SHEET TITLE
 CONDE INC.
 REGISTRATION NO. F-2221
CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6090 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

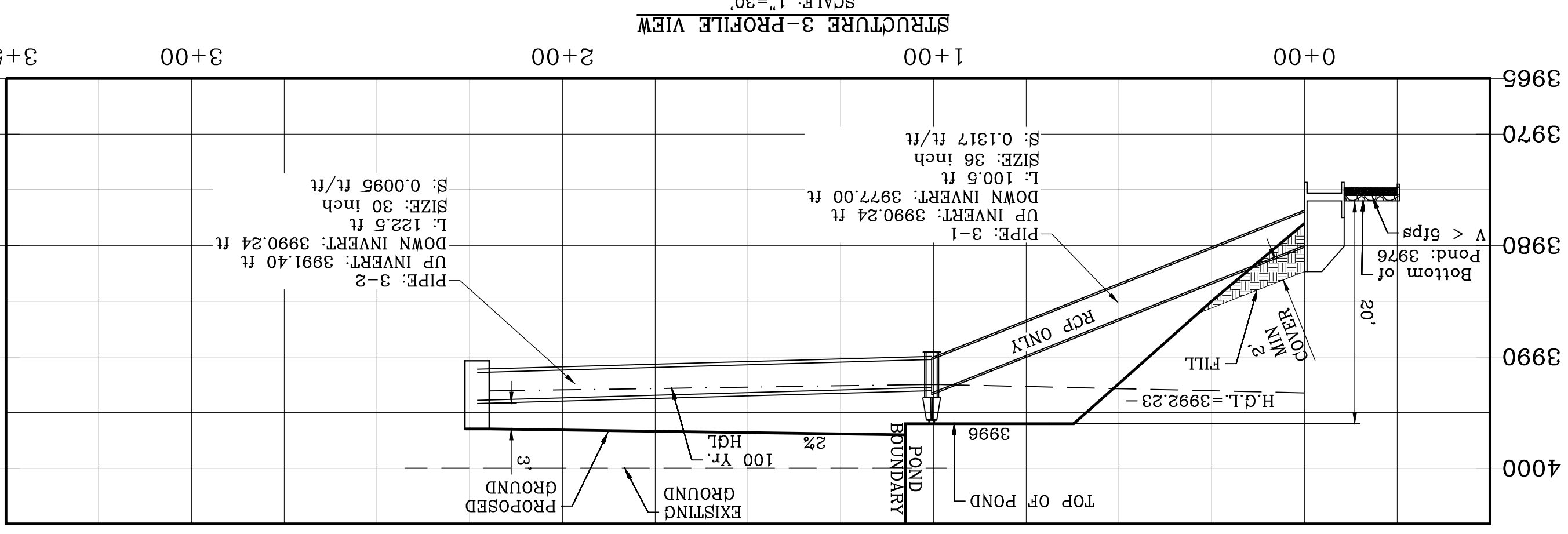
ENGINEER'S SEAL
 YVONNE CONDE CURRY
 6454
 LICENSED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INTRICATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 90, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

04/04/21 EL PASO WATER REFININES AS PER 04/14/21 F.R.
 BENCHMARK
 1/2" REBAR PANEL POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE 145°57'48" FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION=4004.41 ADD 10FEET TO OBTAIN NAVD 88 DATUM AS REFERENCED TO NOS CONTROL NES WITH COORDINATES OF NORTHING: 10734918.66 EASTING: 41368075. NORTHWEST CORNER/ALIGNED INTERSECTION PLANS
 REVISIONS
 09/19/19 CITY REFININES AS PER 05/06/19 COMMENTS F.R.
 11/18/20 CITY REFININES AS PER 11/06/20 COMMENTS F.R.
 02/09/21 EL PASO WATER REFININES AS PER 01/22/21 F.R.

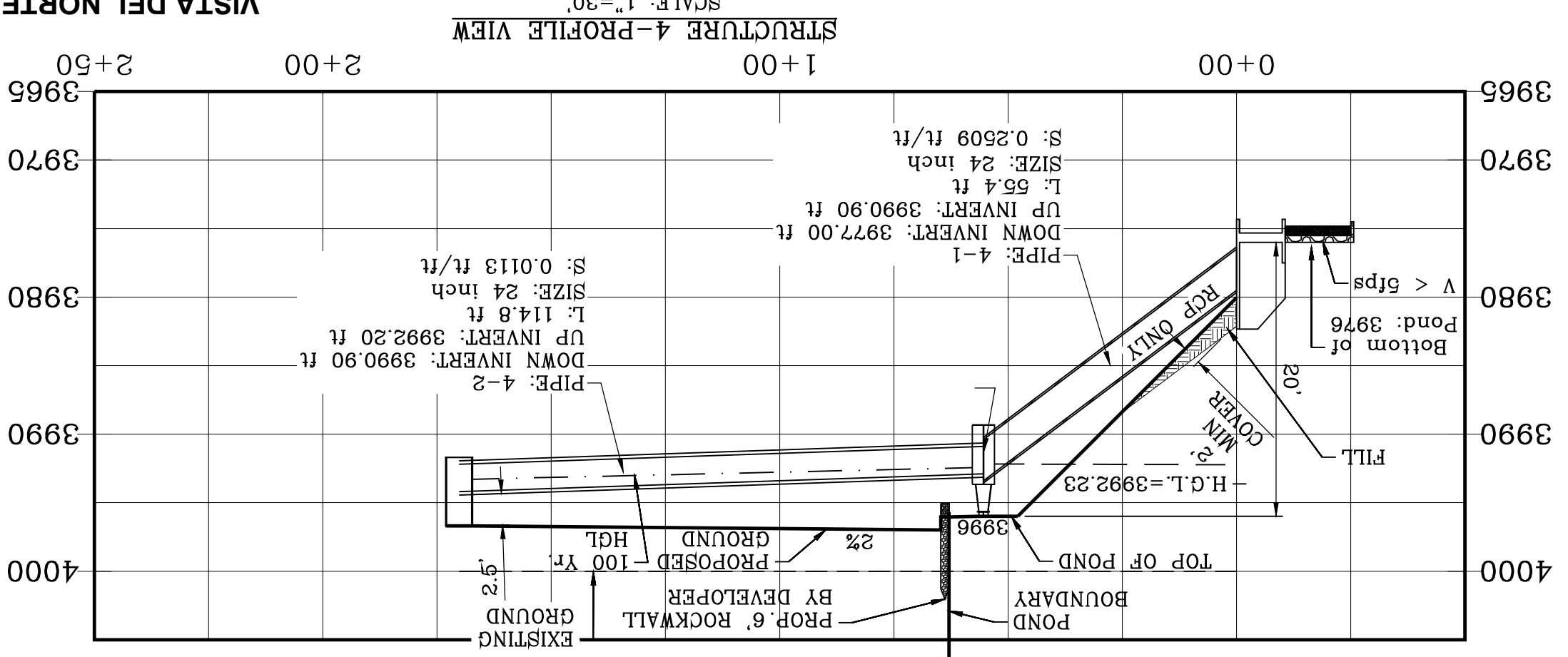
VISTA DEL NORTE ESTATES UNIT TWO
 DATE
 BY
 Oscar Villalobos





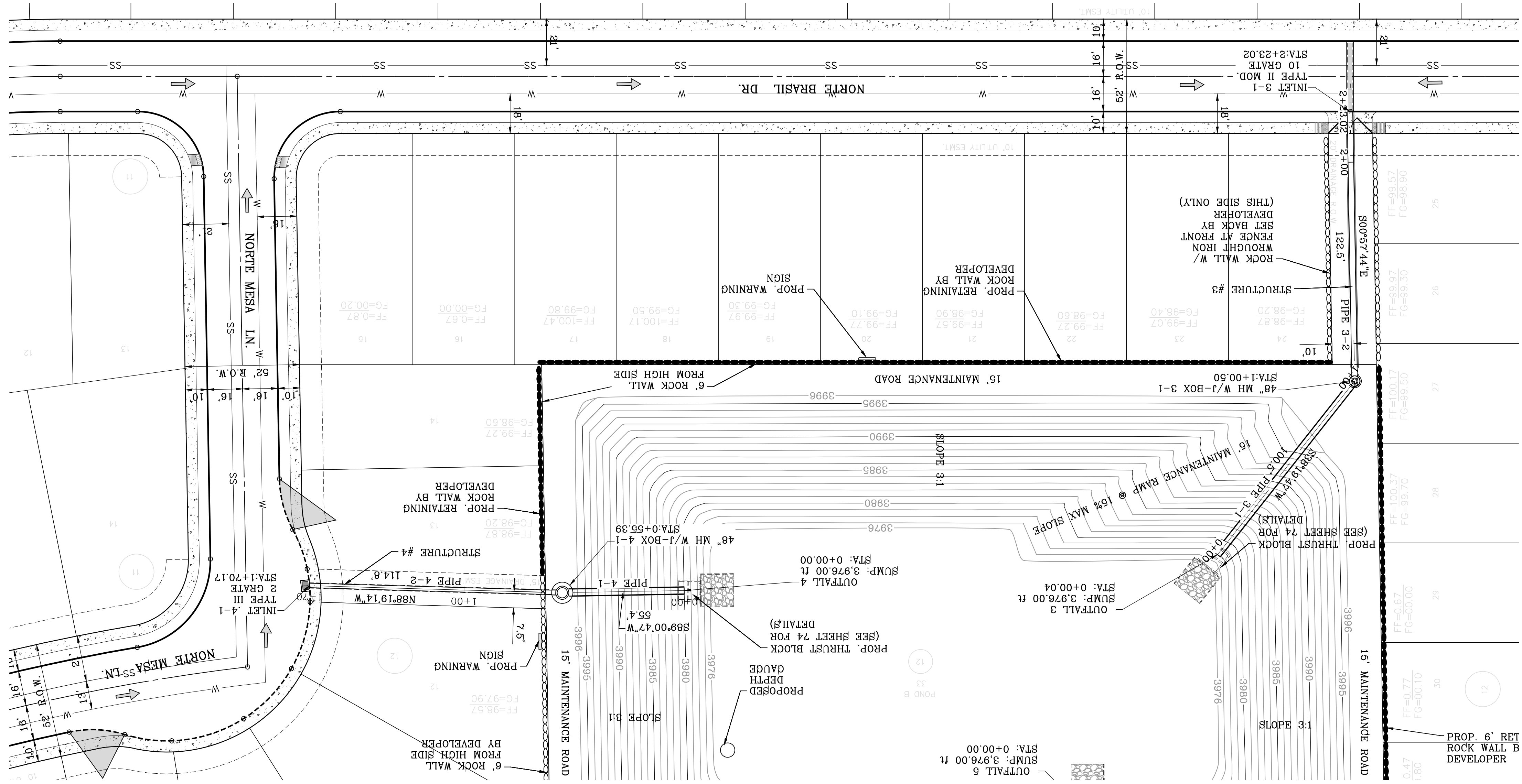
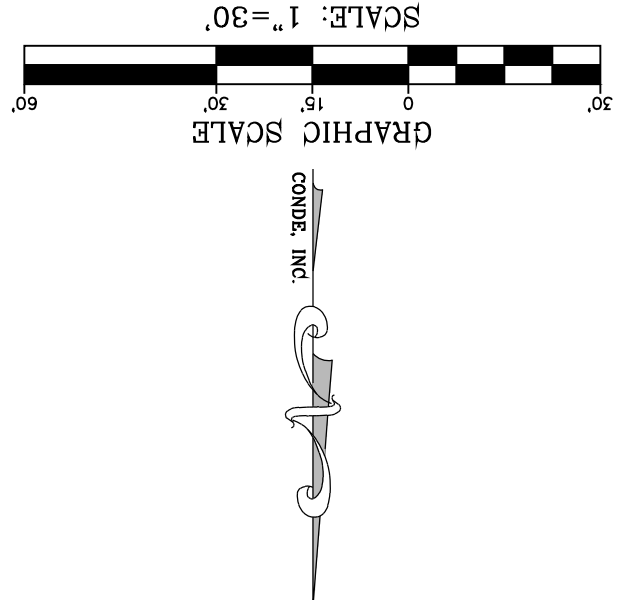
PIPE TABLE

| PIPE SIZE | LENGTH | SLOPE (FT/FT) | DOWN INV. | UP INV. | Q CAP (CFS) | Q EXP (CFS) | HGL UP | HGL DOWN | AVERAGE VELOCITY (FT/S) |
|-----------|--------|---------------|-----------|---------|-------------|-------------|--------|----------|-------------------------|
| 3-1 | 36" | 100.5' | 0.1317 | 3990.24 | 3977.00 | 23.92 | 262.25 | 3993.23 | 7.59 |
| 3-2 | 30" | 122.5' | 0.0095 | 3991.40 | 3990.24 | 23.92 | 43.23 | 3993.06 | 6.02 |



PIPE TABLE

| PIPE SIZE | LENGTH | SLOPE (FT/FT) | DOWN INV. | UP INV. | Q CAP (CFS) | Q EXP (CFS) | HGL UP | HGL DOWN | AVERAGE VELOCITY (FT/S) |
|-----------|--------|---------------|-----------|---------|-------------|-------------|--------|----------|-------------------------|
| 4-1 | 24" | 55.4' | 0.2509 | 3977.00 | 3990.90 | 9.27 | 122.74 | 3992.18 | 3.65 |
| 4-2 | 24" | 114.8' | 0.0113 | 3990.90 | 3992.20 | 9.27 | 26.08 | 3993.29 | 4.44 |



STRUCTURE #3-4 INLET DATA

| INLET No. | TYPE | Grates | qs | qc | Qd | Qd vs | Qd vs |
|-----------|----------|--------|-------|-------|-------|-------|-------|
| 4-1 | III mod. | 2 | 8.15 | 9.27 | 15.44 | | |
| 3-1 | II mod. | 10 | 21.04 | 23.92 | 77.20 | | |

CLOGGING FACTOR = 2/3

SANITITE HP NOTE
 PIPE FITTINGS SHALL BE TRIPLE WALL SMOOTH INTERIOR AND EXTERIOR WITH ANNULAR INNER COUPLERS IN COMPLIANCE TO ASTM D2764 FOR PIPE DIAMETERS 30" TO 60" PIPE FITTINGS FOR DIAMETERS UP TO AND INCLUDING 60" SHALL HAVE A MINIMUM PIPE STIFFNESS OF 40 PSI WHEN TESTED IN ACCORDANCE WITH ASTM D2412. PIPE FITTINGS FOR DIAMETERS UP TO AND INCLUDING 60" SHALL BE WATERIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D2412.

- CONSTRUCTION NOTES:**
1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI, UNLESS OTHERWISE NOTED.
 2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
 3. 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1677.
 4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
 5. SANITITE HP TRIPLE WALL TO BE USED AS AN APPROVED ALTERNATE FOR ALL PIPE EXCEPT FOR THE PIPE ENTERING THE POND.
 6. TRIPLE WALL UNLESS OTHERWISE NOTED



BY: Oscar Villalobos
 DATE: 03/11/2022

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6090 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 YVONNE CONDE CURRY
 LICENSED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 NO. 1116-53

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

PROJECT NAME
 VISTA DEL NORTE ESTATES UNIT TWO

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|--|
| 09/19/19 | F.R. | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |

CONDE INC. REGISTRATION NO. F-2211

SHT 68 OF 83

STRUCTURES

VISTA DEL NORTE ESTATES UNIT TWO

SCALE: 1"=30'

STRUCTURE 3-PROFILE VIEW

STRUCTURE 4-PROFILE VIEW

GRAPHIC SCALE

PIPE TABLE

PIPE TABLE

STRUCTURE #3-4 INLET DATA

CONSTRUCTION NOTES:

SANITITE HP NOTE

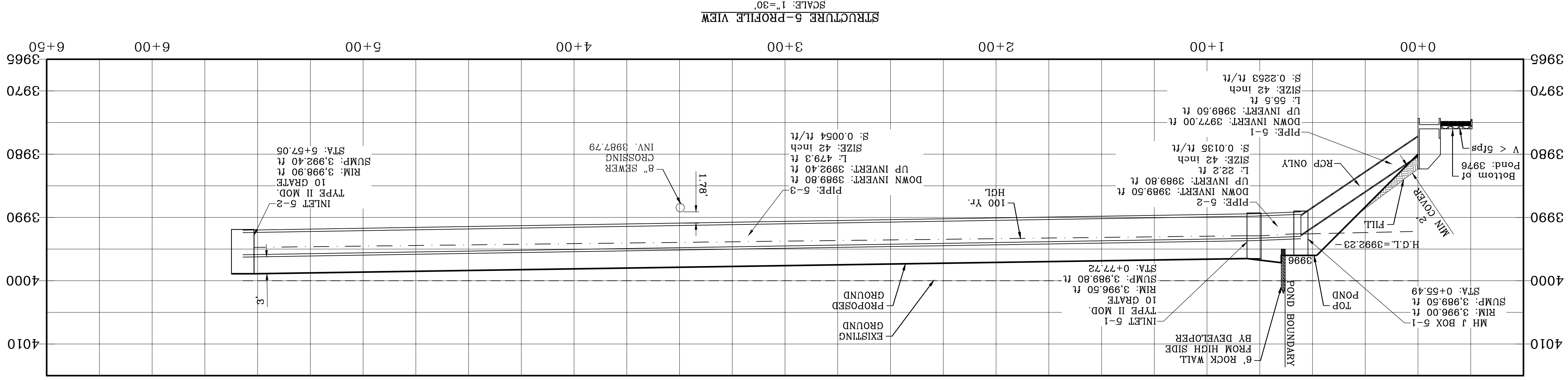
CONDE INC.

ENGINEER'S SEAL

SCALE

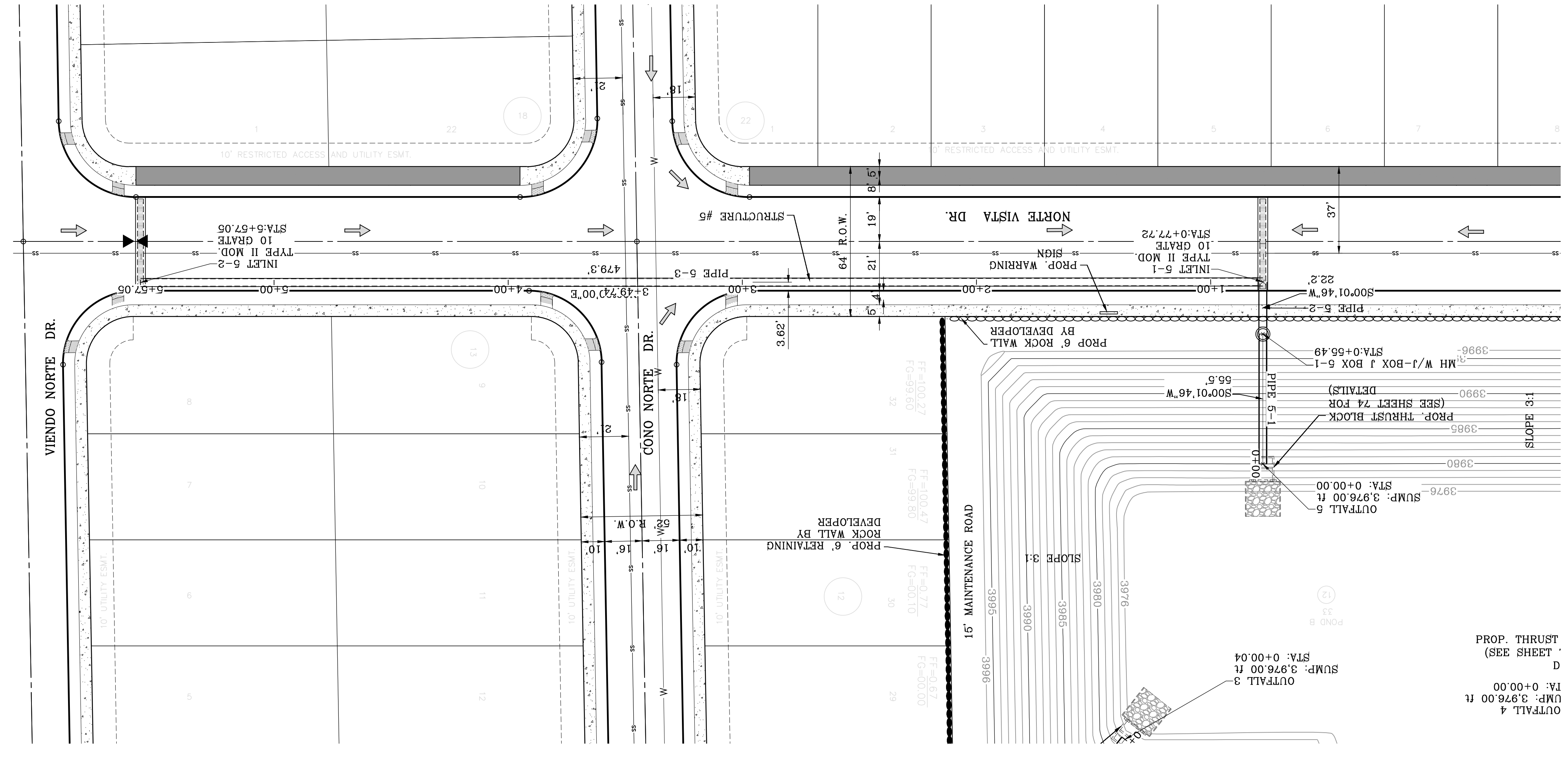
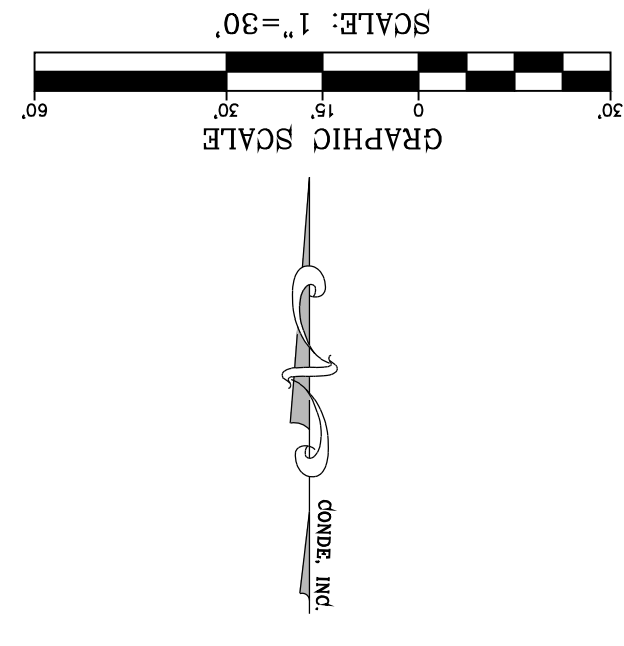
PROJECT NAME

REVISIONS



PIPE TABLE

| PIPE | SIZE | LENGTH | SLOPE (FT/FT) | DOWN INV. | UP INV. | Q EXP (CFS) | Q CAP (CFS) | HGL UP | HGL DOWN | AVERAGE VELOCITY (FT/S) |
|------|------|--------|---------------|-----------|---------|-------------|-------------|---------|----------|-------------------------|
| 5-1 | 42" | 55.5' | 0.2253 | 3977.00 | 3989.50 | 102.71 | 517.30 | 3992.60 | 3992.23 | 11.04 |
| 5-2 | 42" | 22.2' | 0.0135 | 3989.50 | 3989.80 | 102.71 | 126.63 | 3992.90 | 3992.60 | 11.41 |
| 5-3 | 42" | 479.3' | 0.0054 | 3989.80 | 3992.40 | 55.84 | 80.27 | 3994.74 | 3992.90 | 7.19 |



SANITTE HP NOTE
 PIPE FITTINGS SHALL BE TRIPLE WALL, SMOOTH CORRELATIONS IN CONFORMANCE TO ASTM INTERIOR AND EXTERIOR, WITH ANULAR INNER FITTINGS FOR PIPE DIAMETERS 90" TO 60" PIPE FITTINGS FOR PIPE DIAMETERS UP TO AND INCLUDING 60" SHALL HAVE A MINIMUM PIPE STIFFNESS OF 40 PSI WHEN TESTED IN ACCORDANCE WITH ASTM D2412. PIPE FITTINGS FOR DIAMETERS UP TO AND INCLUDING 60" SHALL BE WATERIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D2412.

STRUCTURE #5 INLET DATA

| INLET NO. | INLET TYPE | GRATES | Qd100 YR | Qd10 YR | CFS | CFS |
|-----------|------------|--------|----------|---------|--------|-------|
| 5-1 | II mod. | 10 | 41.23 | 55.84 | 102.71 | 77.20 |
| 5-2 | II mod. | 10 | 49.27 | 102.71 | 77.20 | 77.20 |

CLOGGING FACTOR = 2/3

- CONSTRUCTION NOTES:**
1. ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI UNLESS OTHERWISE NOTED.
 2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
 3. 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1557.
 4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
 5. SANITTE HP TRIPLE WALL TO BE USED AS AN APPROVED ALTERNATE FOR ALL PIPE EXCEPT FOR THE PIPE ENTERING THE POND.
- ALL PIPES ARE CLASS III OR SANITTE HP TRIPLE WALL UNLESS OTHERWISE NOTED

SHT 69 OF 83
STRUCTURE 5

DATE: 03/11/2022
 BY: Oscar Villalobos
 Oscar Villalobos

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6090 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 YVONNE CONDE CURRY
 LICENSED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 NO. 10345

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

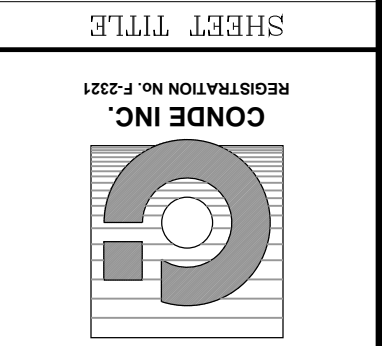
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 90, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND COUNTY, TEXAS, CONTAINING: 129.622± ACRES

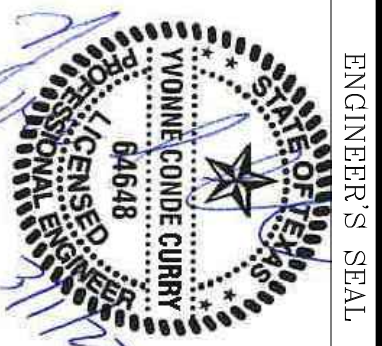
DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS, LOCATED N45°57'48" E 162.02 FEET FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. ELEVATION: 4004.41. ADD 10 FEET TO OBTAIN NAVD 88 DATUM AS REFERENCED TO NOS CONTROL NE3 WITH COORDINATES OF NORTING: 107949181868 EASTING: 413680735. NORTHEAST CORNER/RAILROAD INTERSECTION PLANS ON THE REVISIONS:
 09/19/19 CITY REDLINES AS PER 05/06/19 COMMENTS
 11/18/20 CITY REDLINES AS PER 11/06/20 COMMENTS
 BY: F.R.





CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
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 FAX: (915) 592-0286



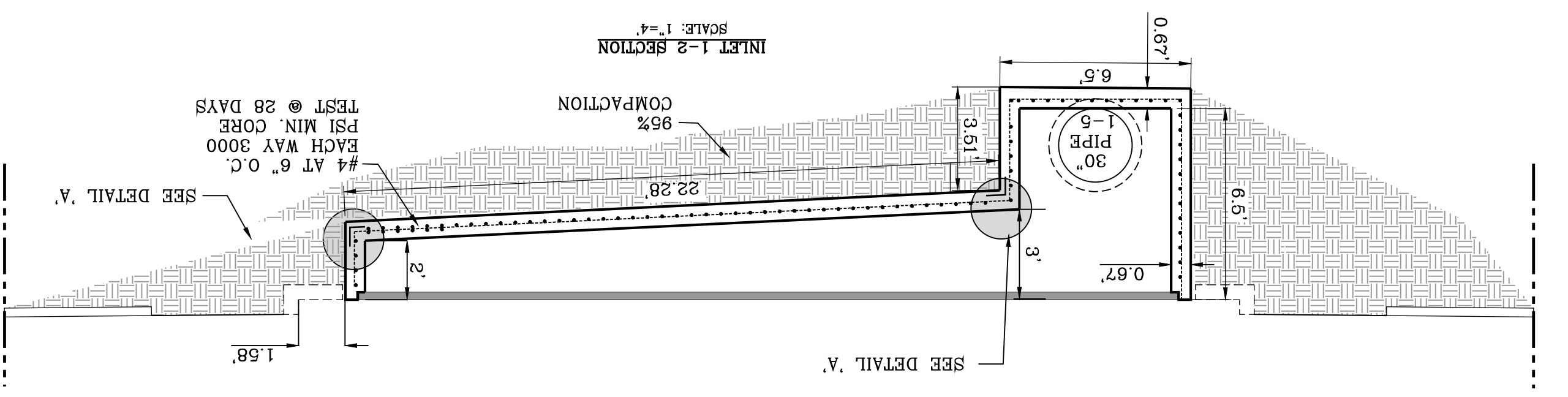
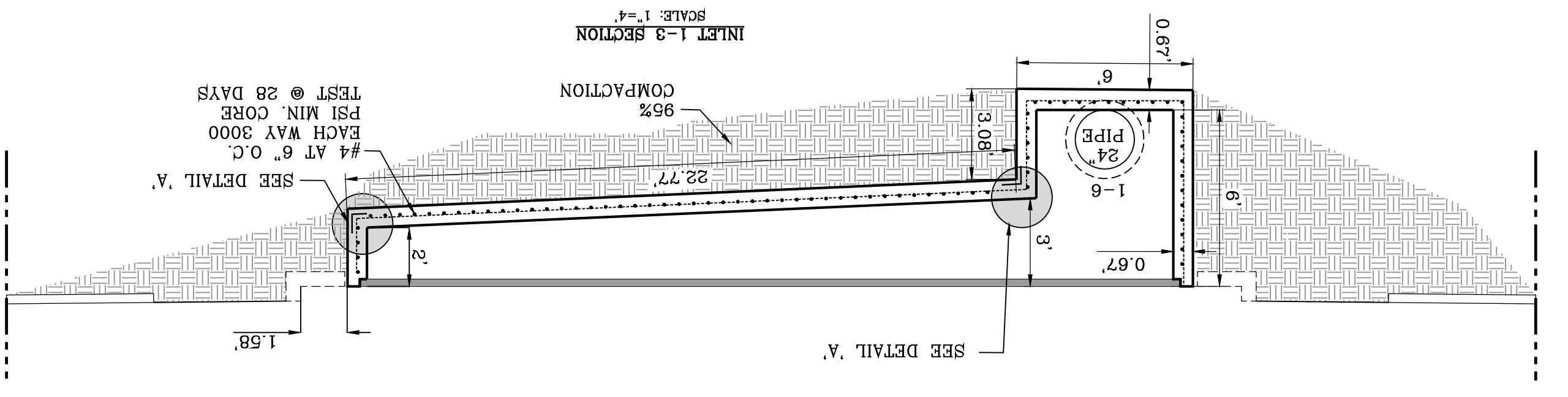
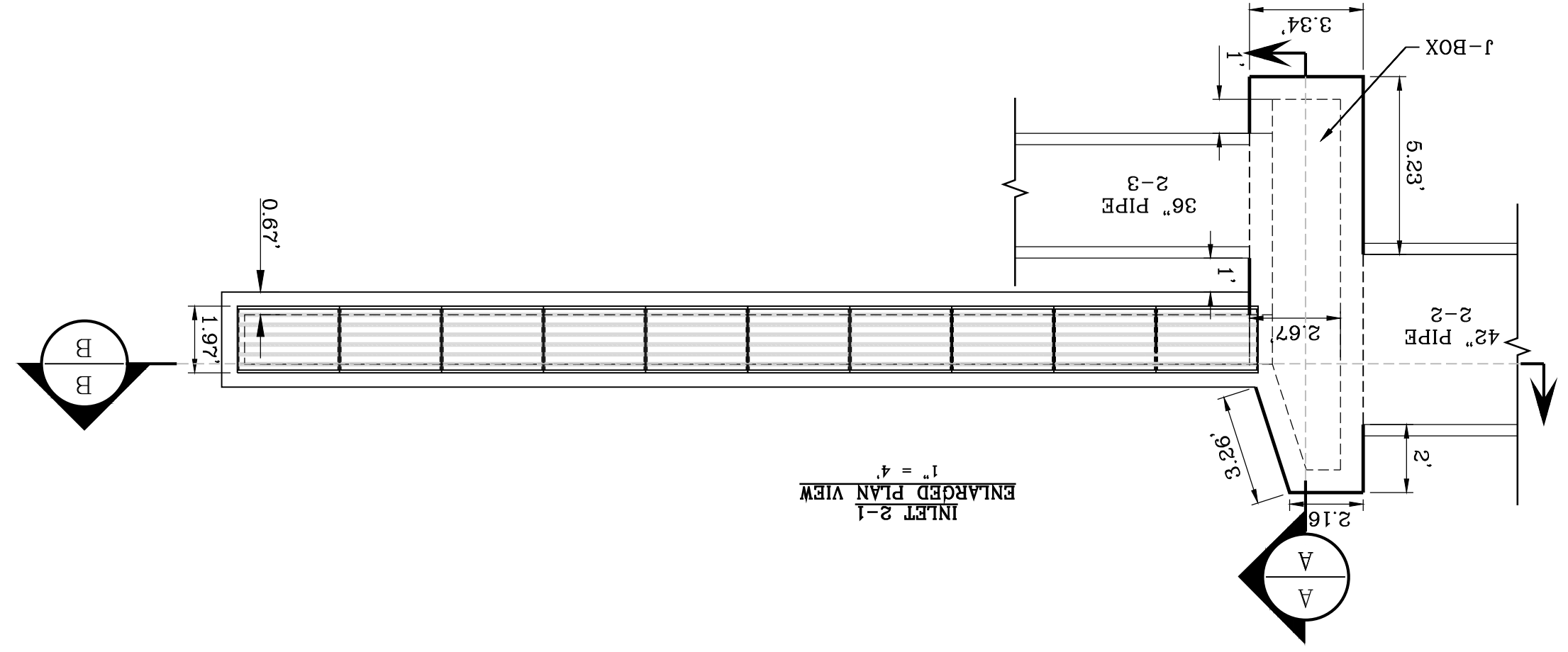
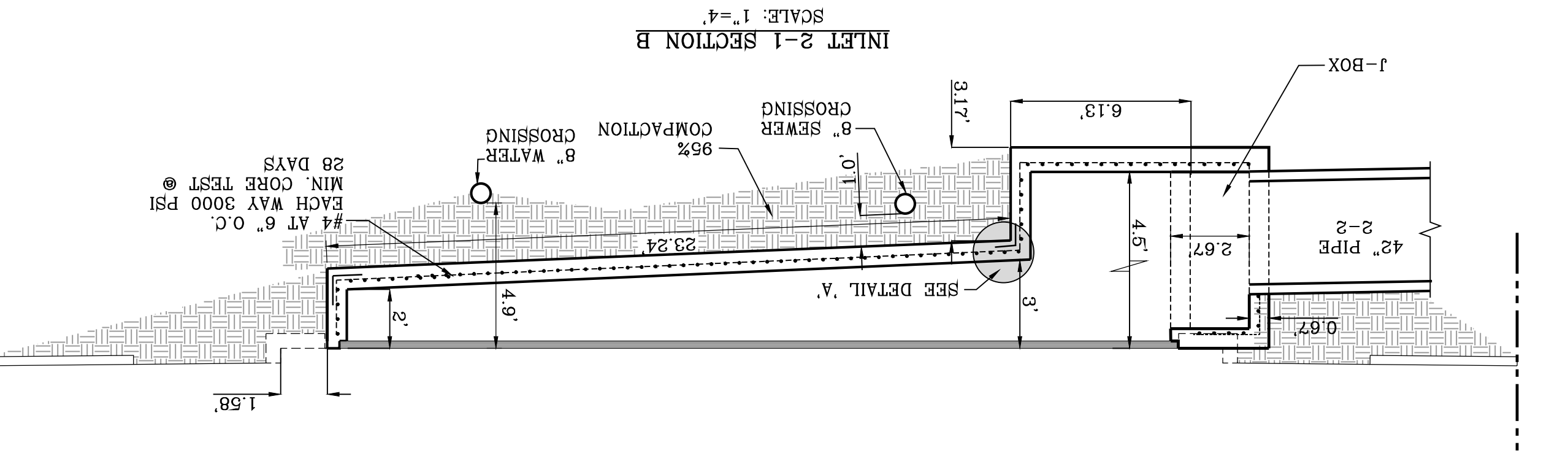
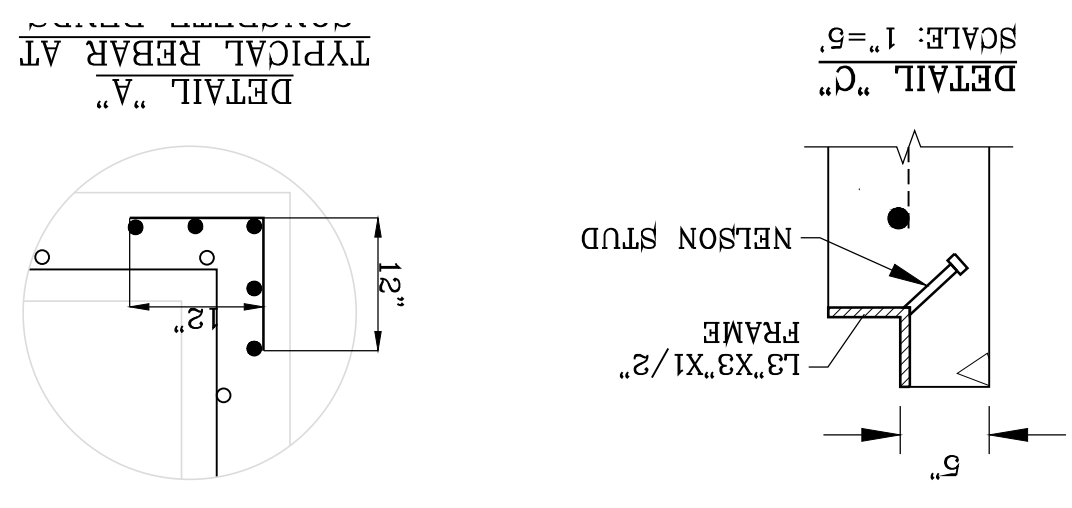
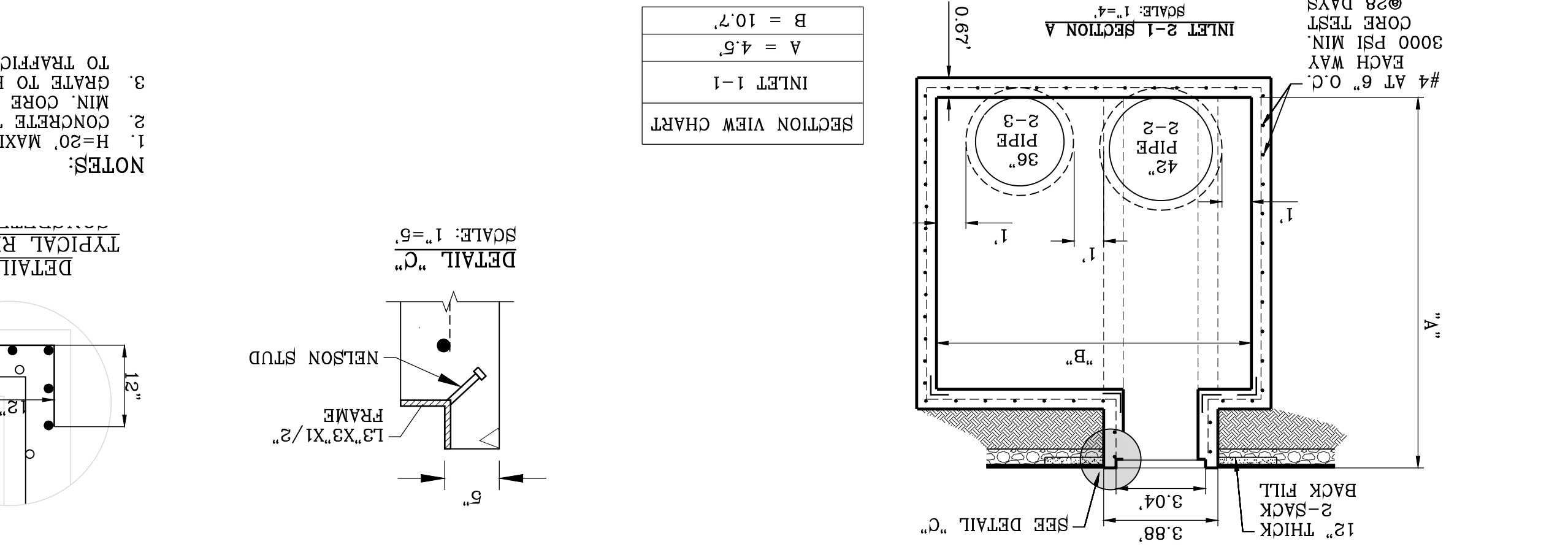
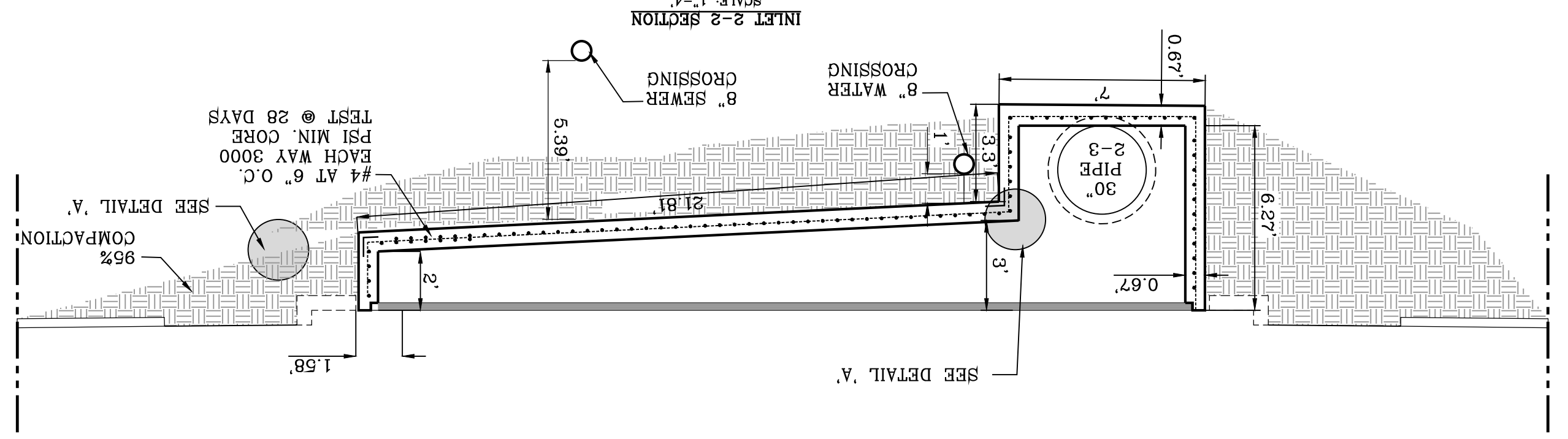
SCALE
 HORIZ. 1" = 30'
 VERT. 1" = 10'
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 90, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEY, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEY, CITY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

REVISIONS

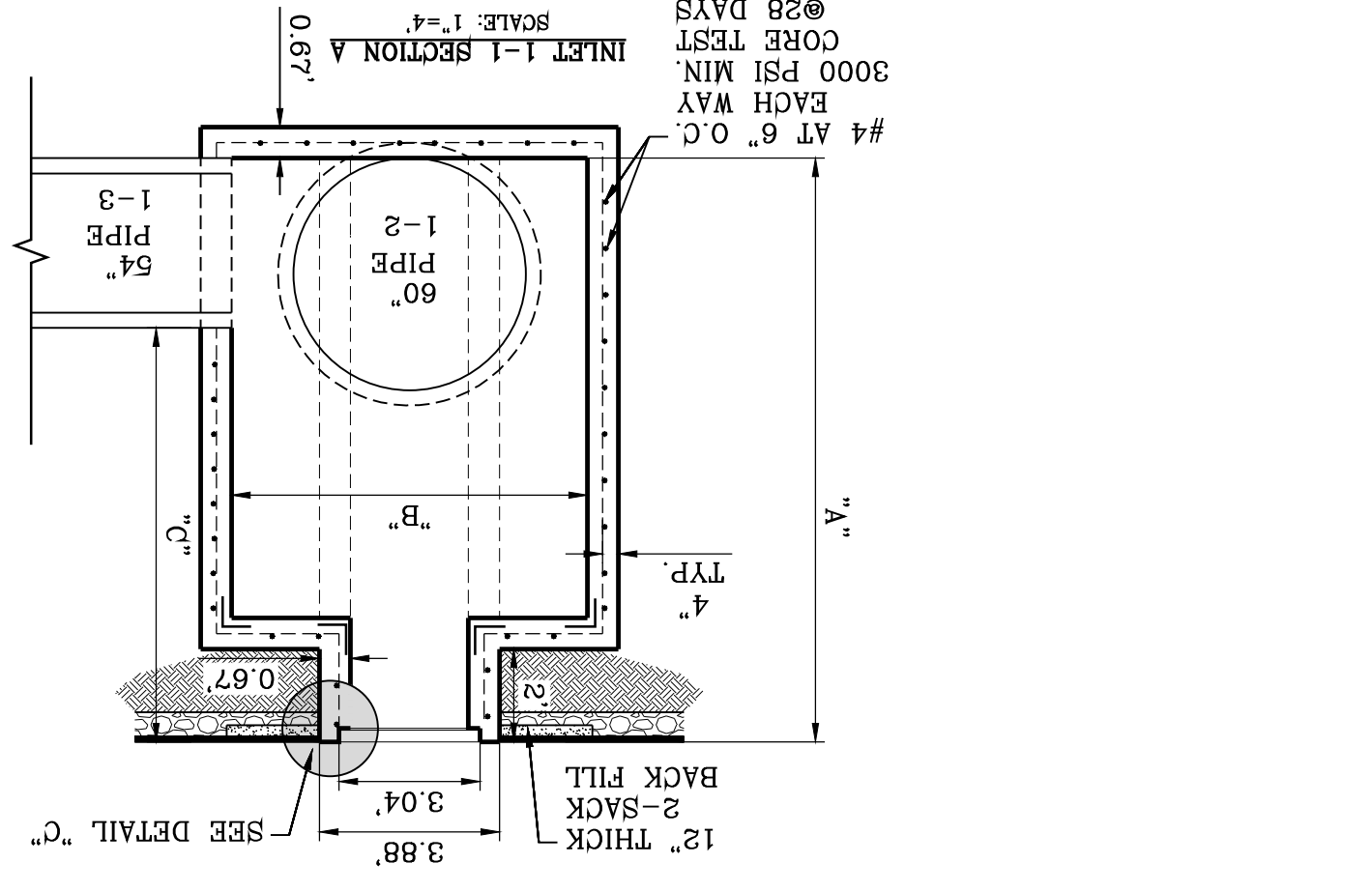
| DATE | BY | REVISIONS |
|----------|------|--|
| 09/19/19 | F.R. | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |
| 02/10/21 | F.R. | CITY REDLINES AS PER 02/09/21 COMMENTS |

BENCHMARK
 1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS, LOCATED N45°57'18" E 162.02 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO, ELEVATION 4004.41. ADD TOPSET TO OBTAIN NVD. BE DATUM AS REFERENCED TO NGS CONTROL NE3 WITH COORDINATES OF NORTING: 107349118.66 EASTING: 413680.73. NORTHEAST DIVER/RAILROAD INTERSECTOR PLANS ON THE

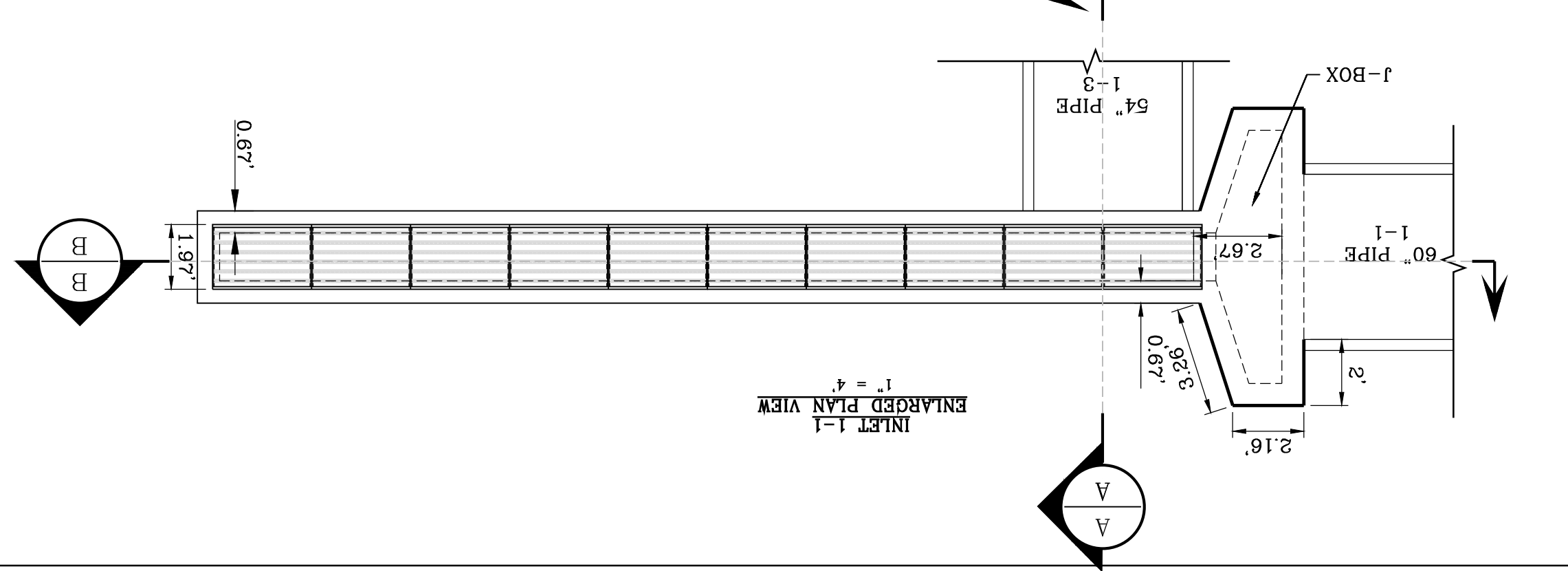
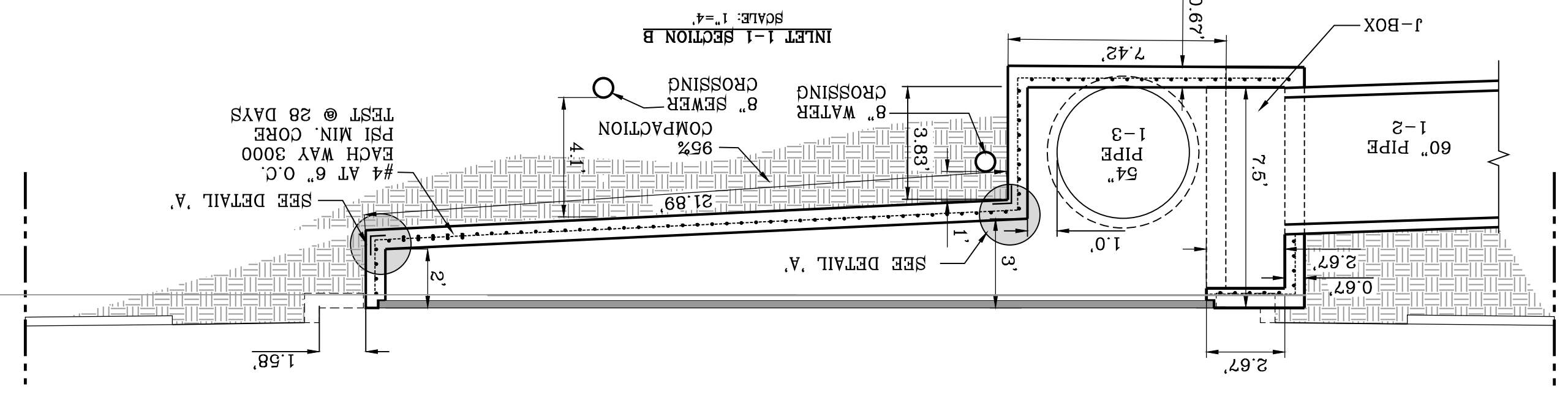


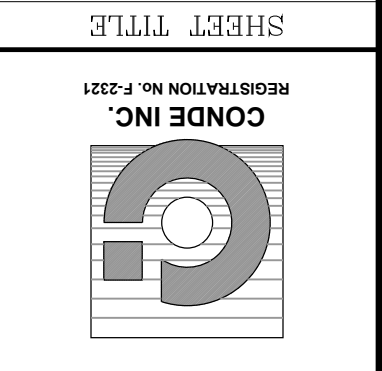
SECTION VIEW CHART

| |
|----------|
| A = 7.5' |
| B = 7.7' |
| C = 3.0' |



BY Oscar Villalobos
 DATE 03/11/2022





CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6090 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 116-53

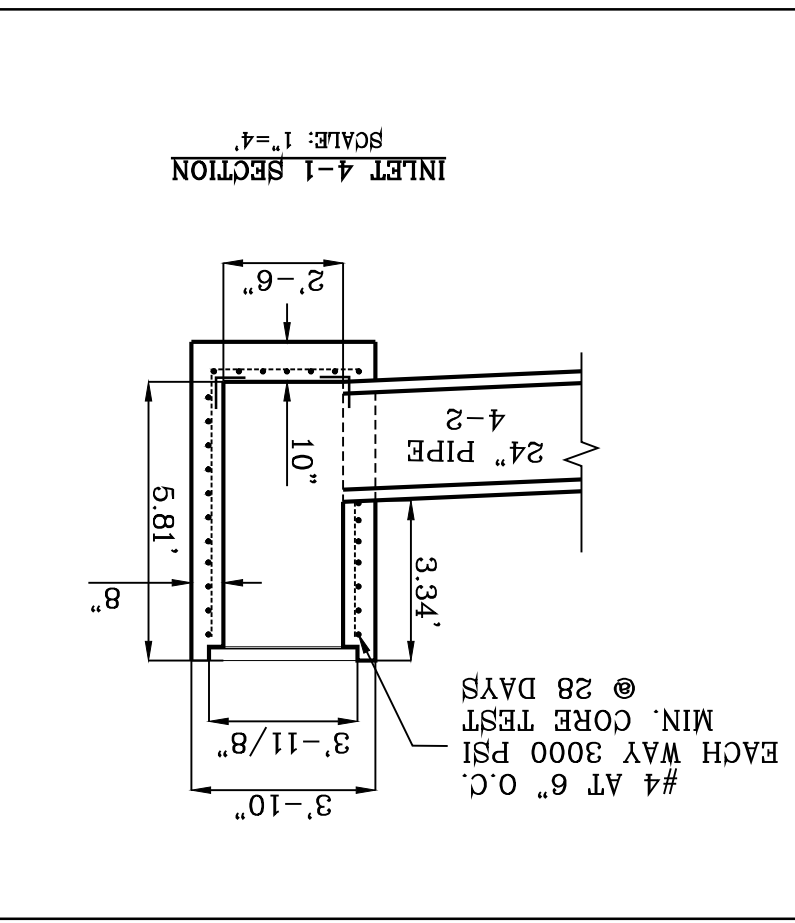
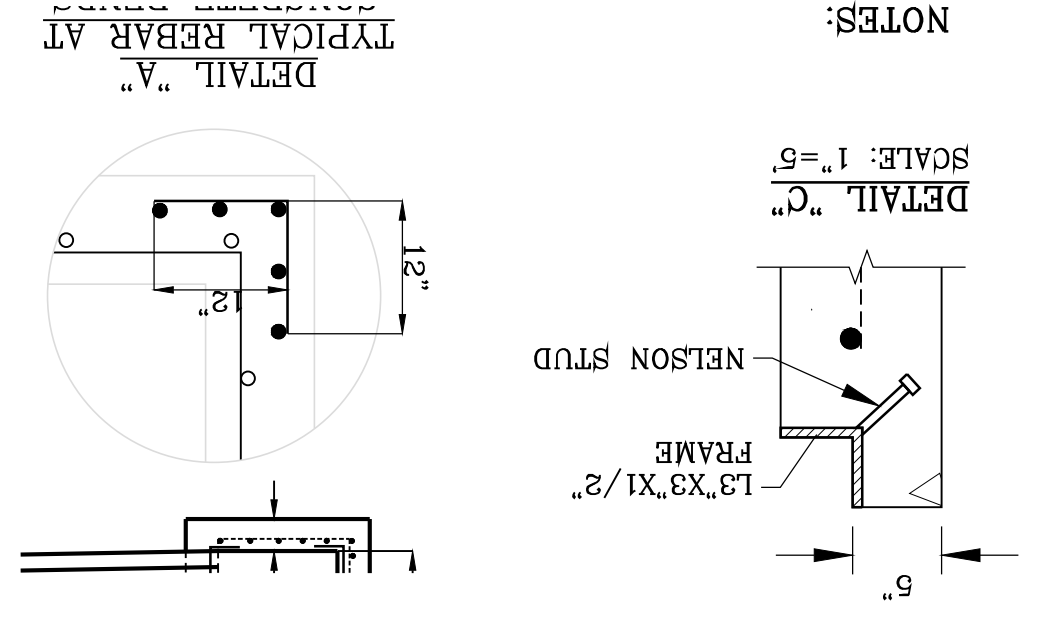
PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
 BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 90, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD Co. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 128.622± ACRES

BENCHMARK
 1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS, LOCATED N45°57'18" W 128.702 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO, 4004.41 AND 10 FEET TO OBTAIN NAD 83 DATUM AS REFERENCED TO NOS CONTROL NES WITH COORDINATES OF NORTING: 10734918.66 EASTING: 413680.75, NORTHEAST DIVER/AIRROAD INTERSECTOR PLANS ON THE DATE:
 09/19/19 CITY REVLINES AS PER 05/06/19 COMMENTS F.R.
 11/18/20 CITY REVLINES AS PER 11/06/20 COMMENTS F.R.
 02/10/21 CITY REVLINES AS PER 02/09/21 COMMENTS F.R.

BY Oscar Villalobos
 DATE 03/11/2022

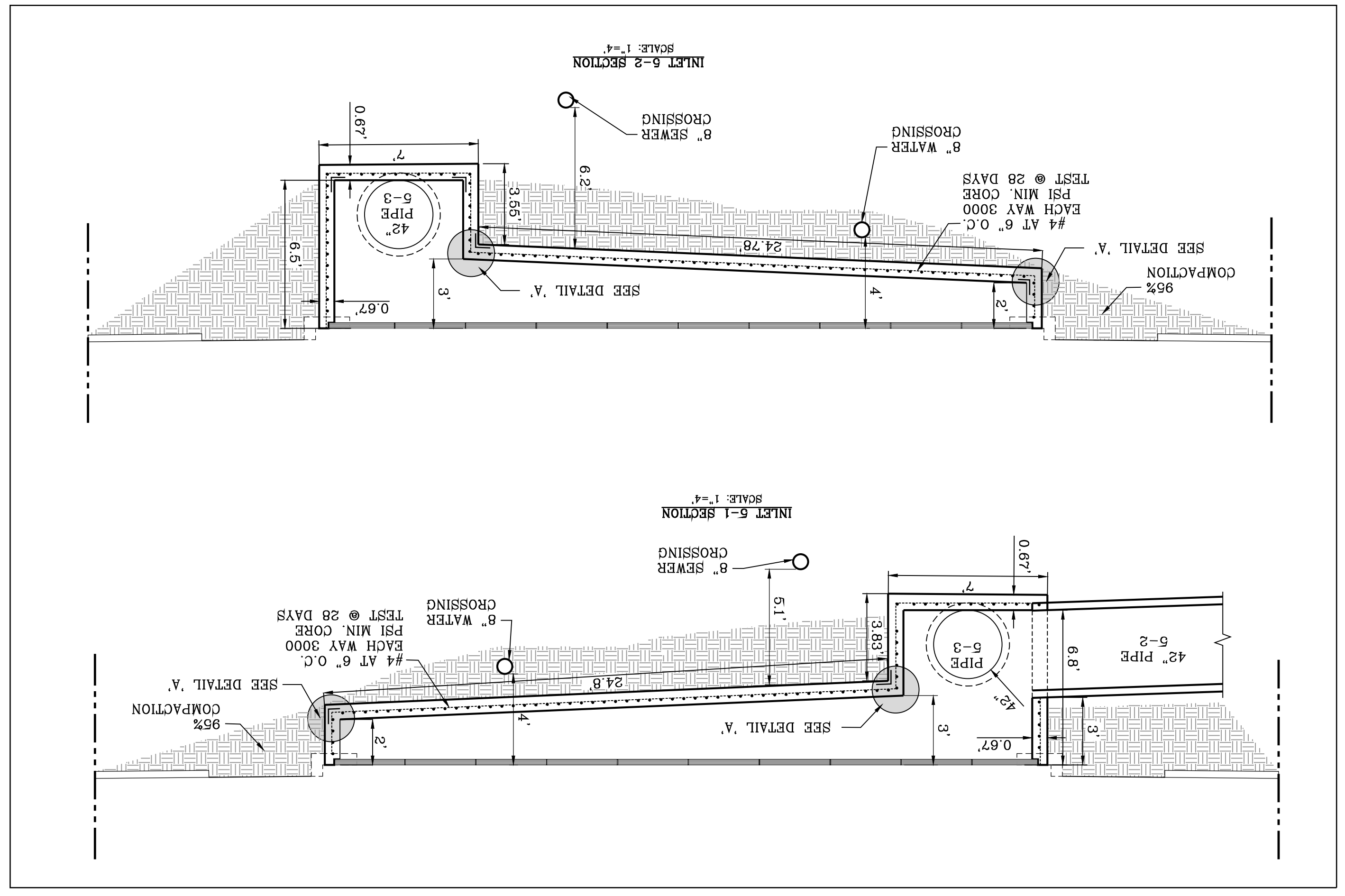
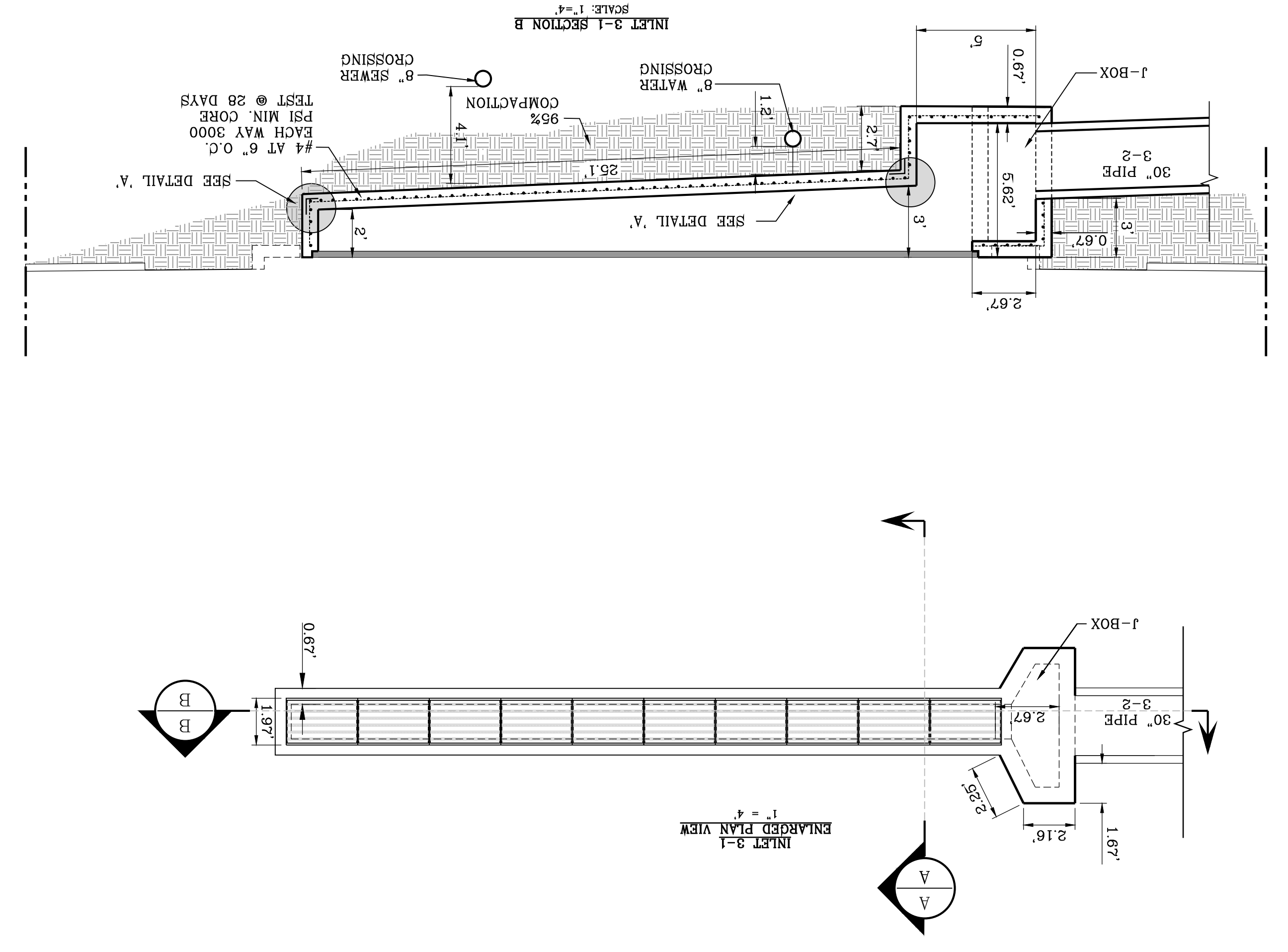
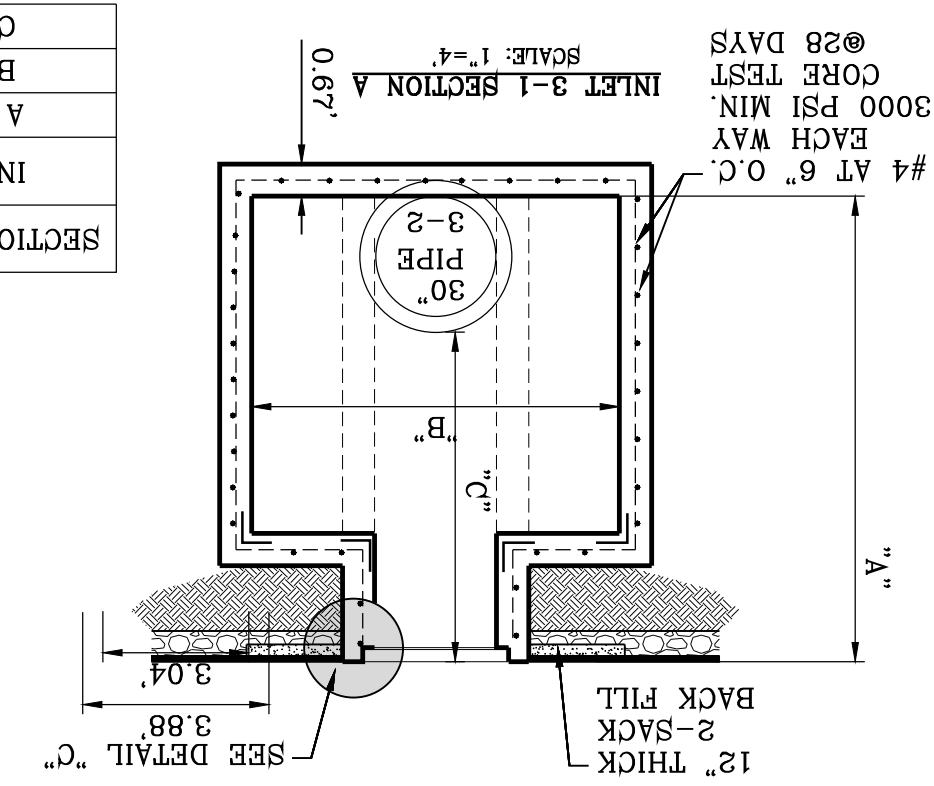


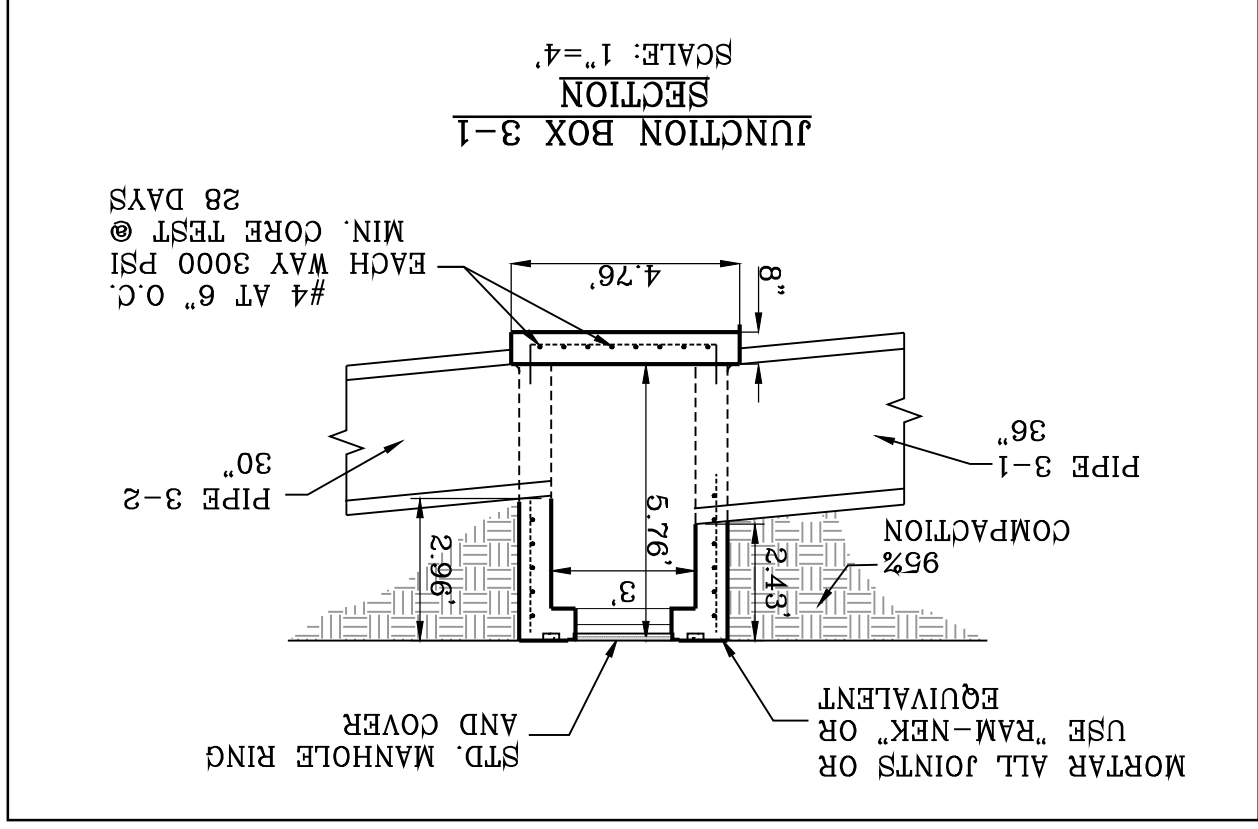
- NOTES:**
1. H=20' MAXIMUM MIN. CORE TEST @ 28 DAYS
 2. CONCRETE TO BE 3000 PSI
 3. GRATE TO BE PERPENDICULAR TO TRAFFIC.



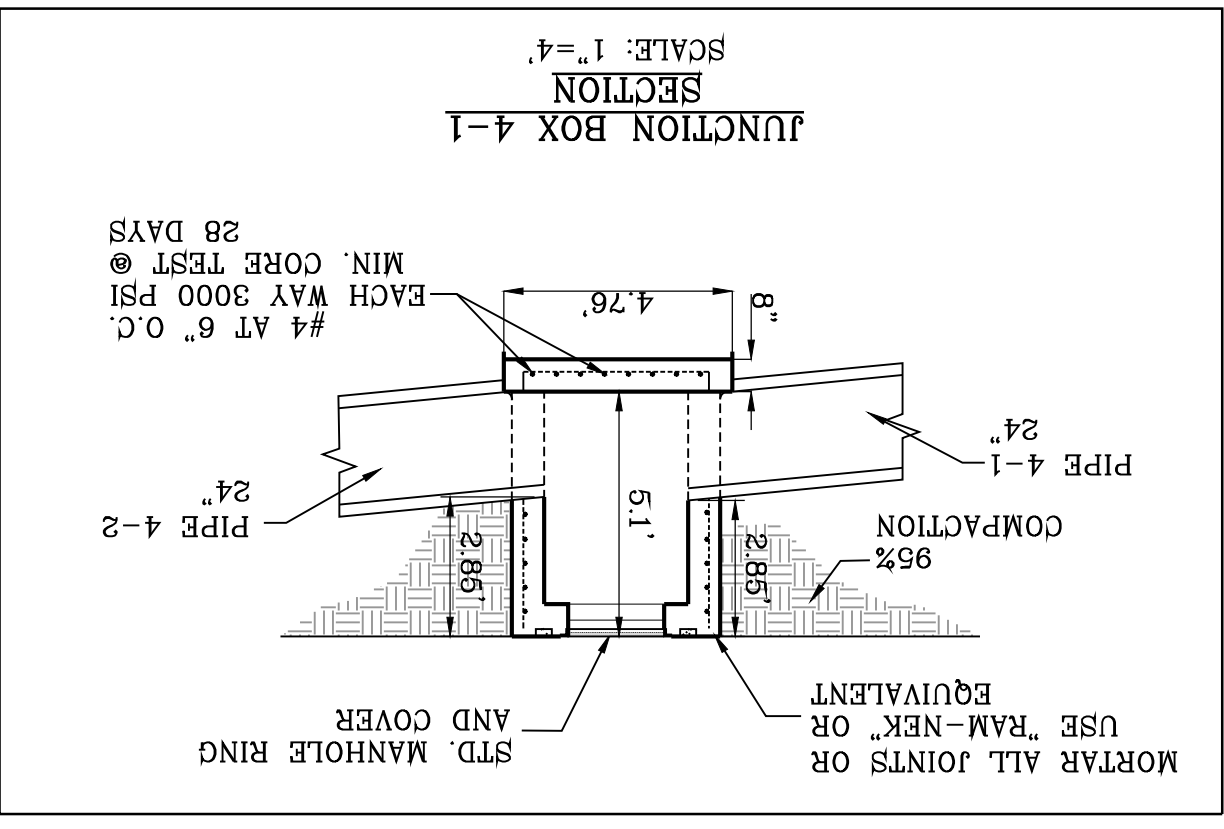
SECTION VIEW CHART

| | | | |
|-----------|-----------|----------|----------|
| INLET 1-1 | A = 5.62' | B = 5.0' | C = 3.0' |
|-----------|-----------|----------|----------|

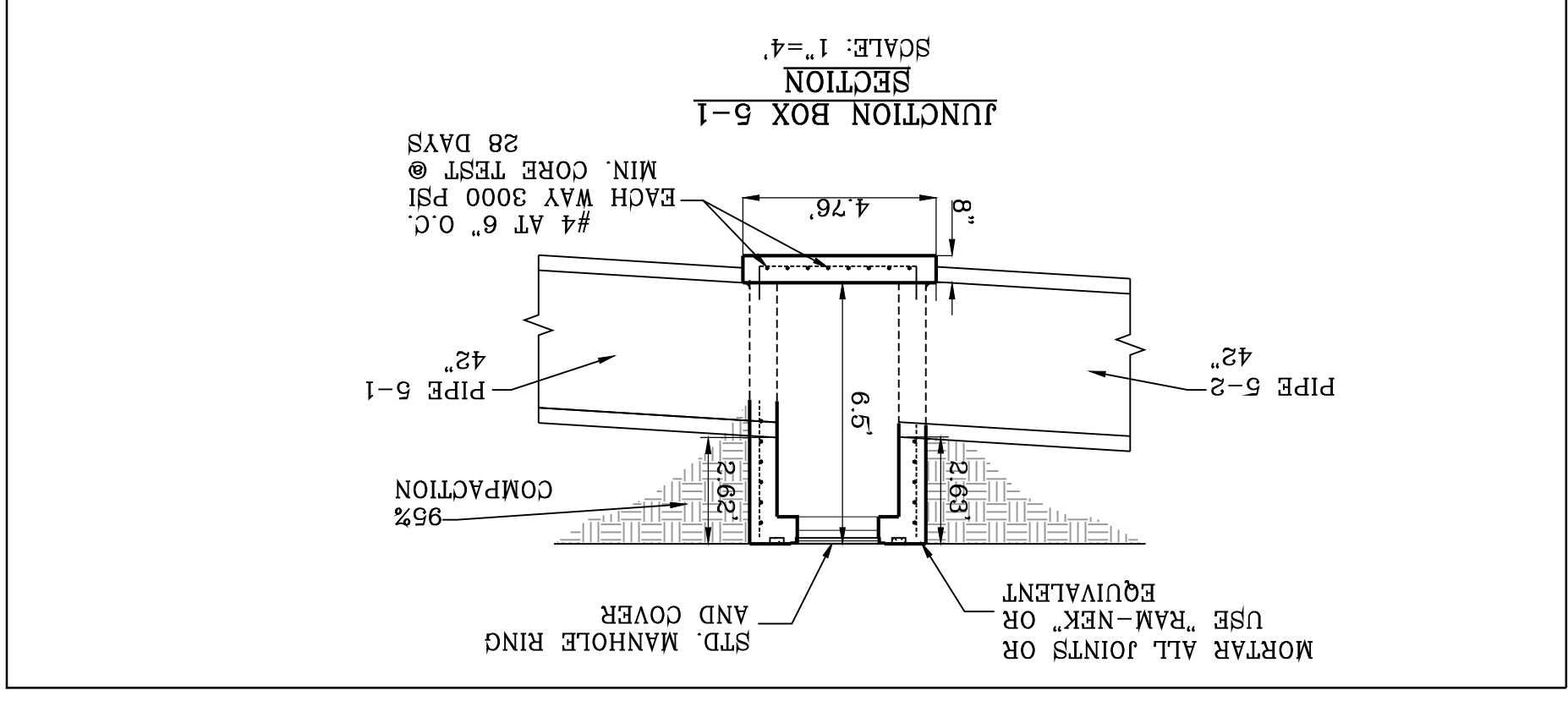




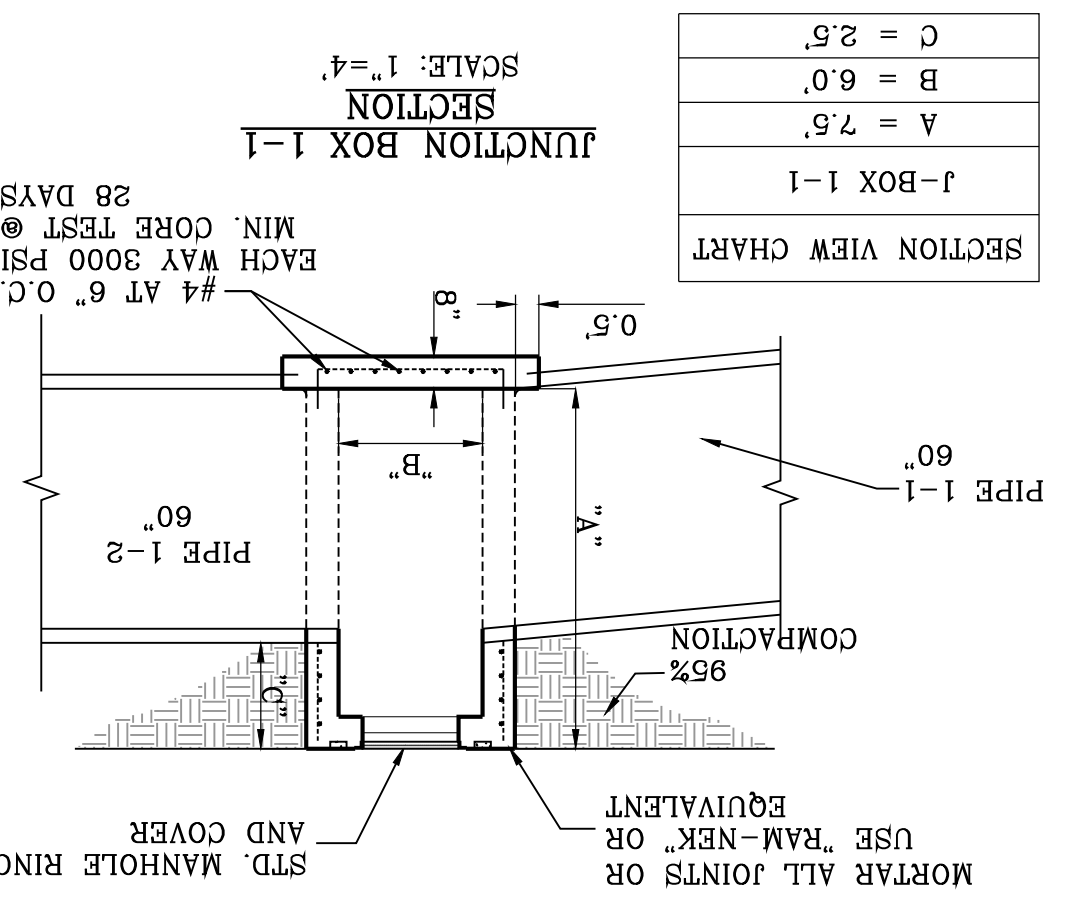
STRUCTURE 3



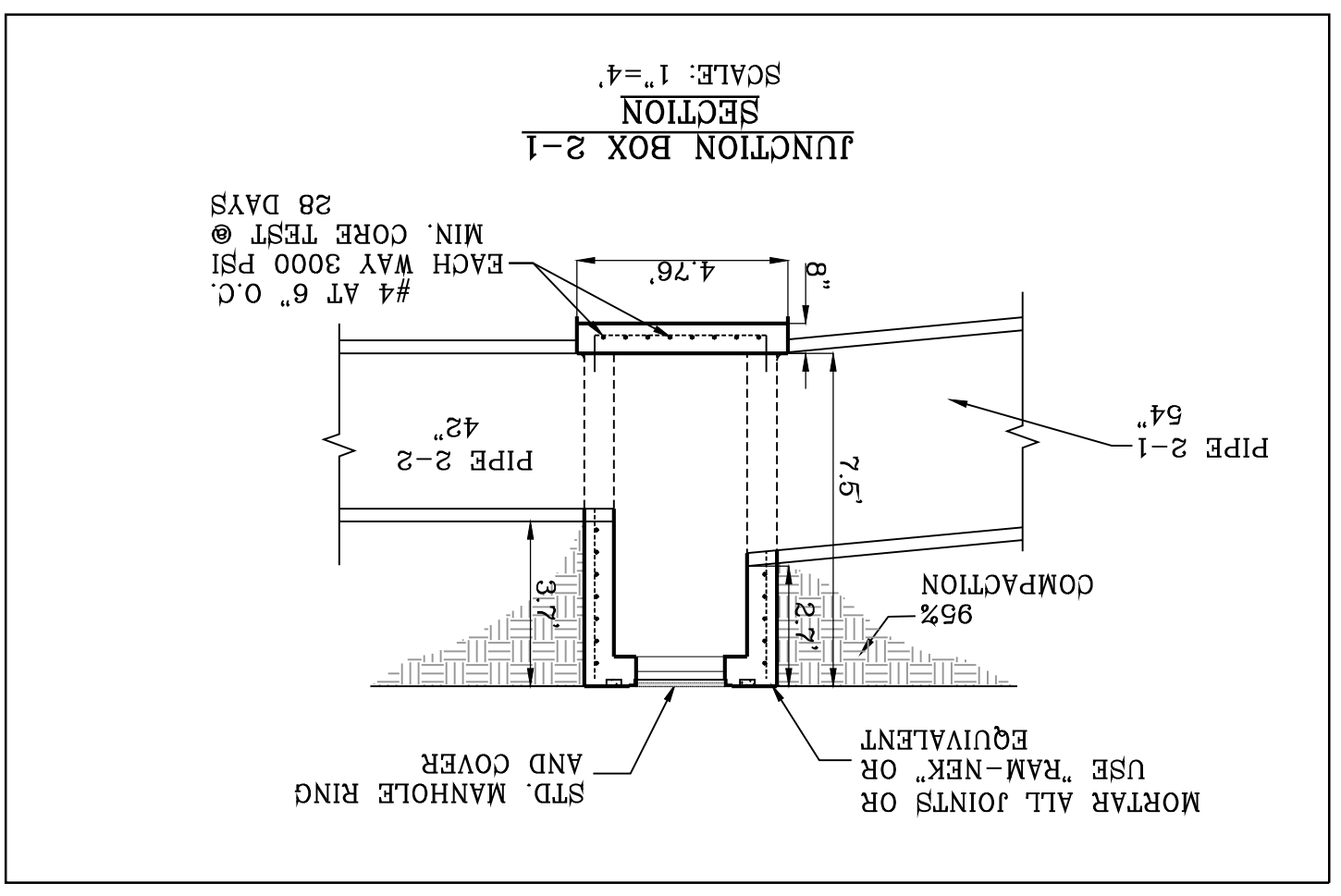
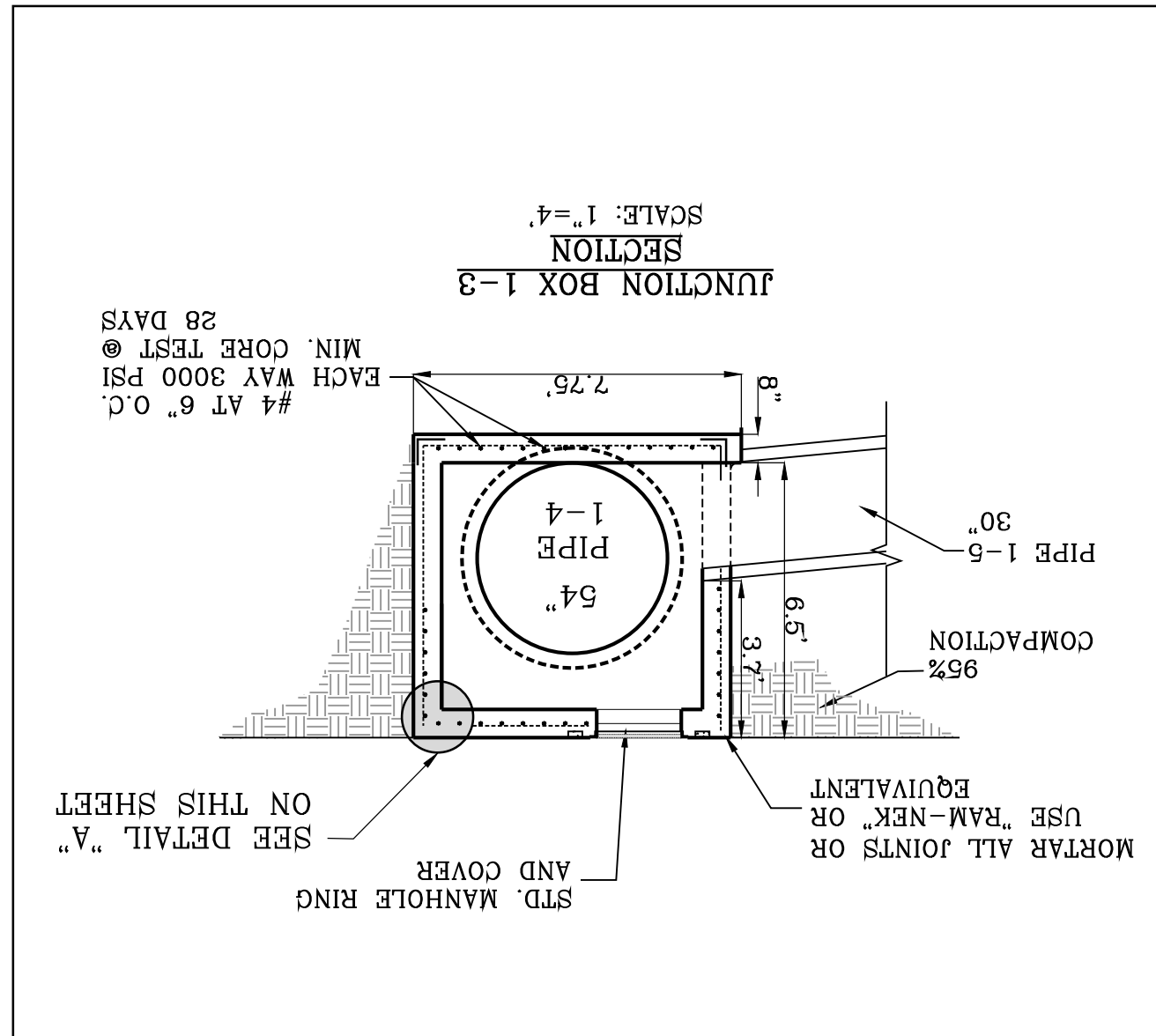
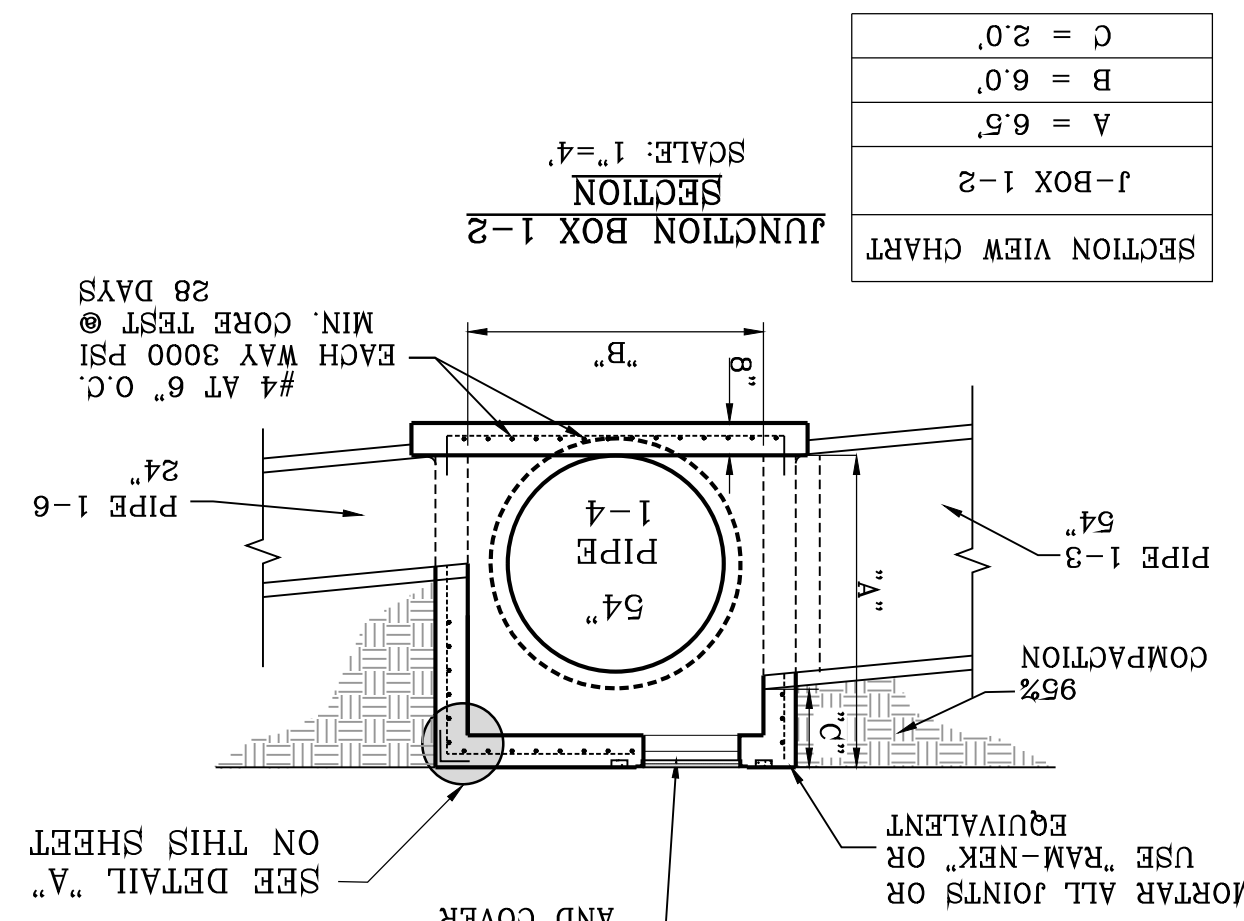
STRUCTURE 4



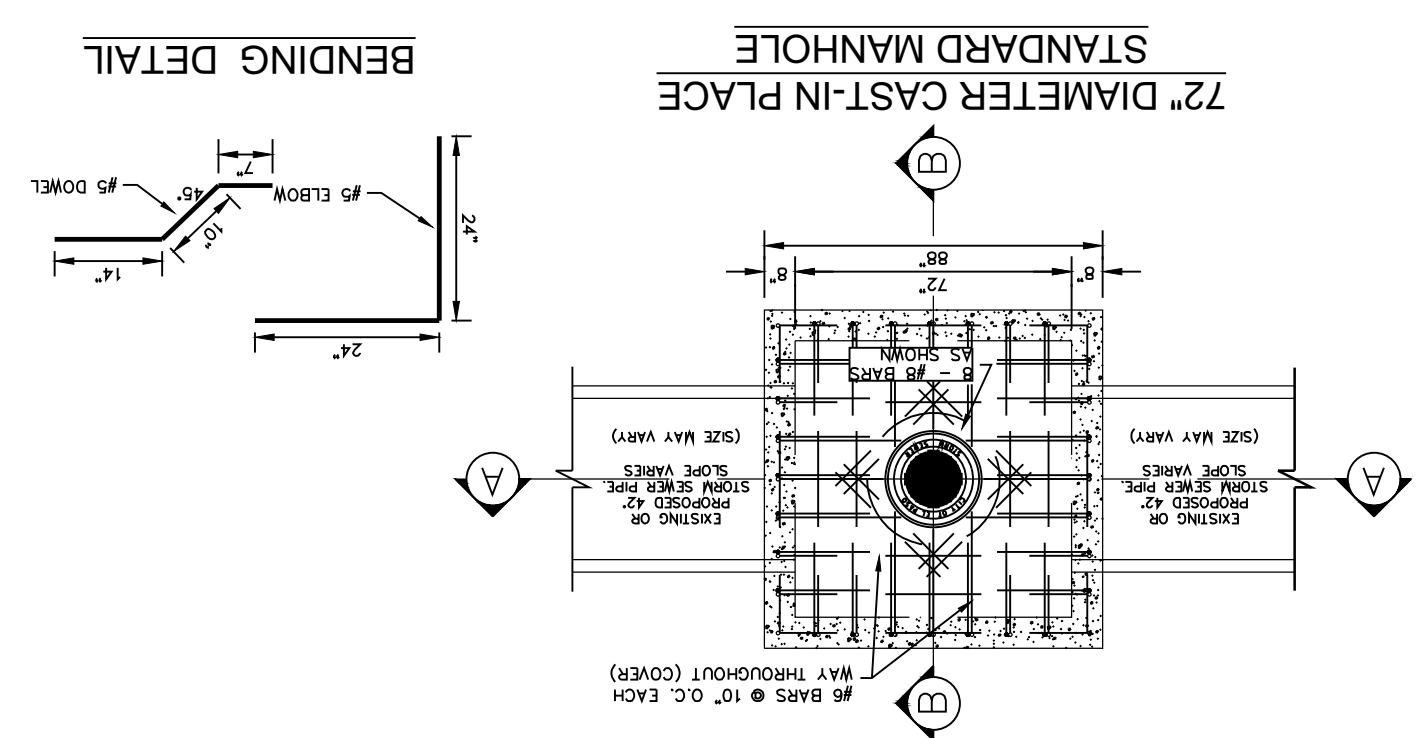
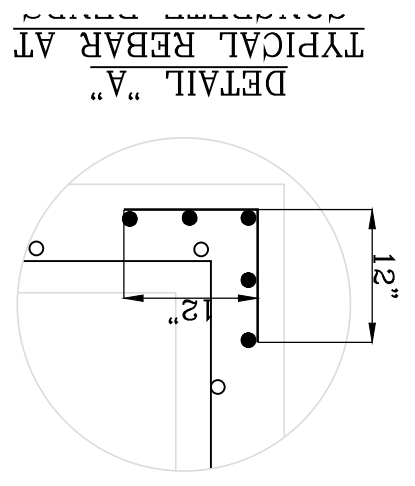
STRUCTURE 5



STRUCTURE 1



STRUCTURE 2



J-BOX DETAILS

SHT 71 OF 83

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6090 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

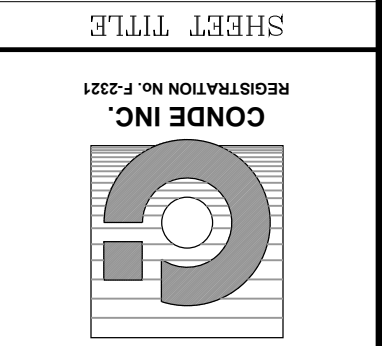
ENGINEER'S SEAL
 YVONNE CONDE CURRY
 64564
 LICENSED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF TEXAS
 EXPIRES 03/31/2025

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
 1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS LOCATED N45°57'18" W 182.02 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. ELEVATION: 4004.41. ADD 10 FEET TO OBTAIN NAVD 88 DATUM AS REFERENCED TO NGS CONTROL. NGS WITH COORDINATES OF NORTHING: 107349118.66 EASTING: 413680.73. NORTHEAST DIRECTION. INTERSECTOR PLANS ON THE REVISIONS: 09/19/19 CITY REDLINES AS PER 05/06/19 COMMENTS BY F.R. 11/19/20 CITY REDLINES AS PER 11/06/20 COMMENTS BY F.R.



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

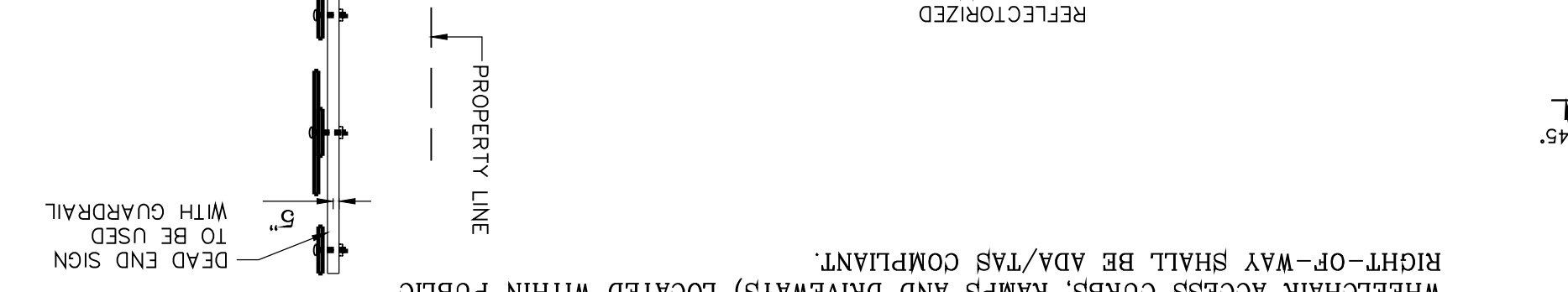
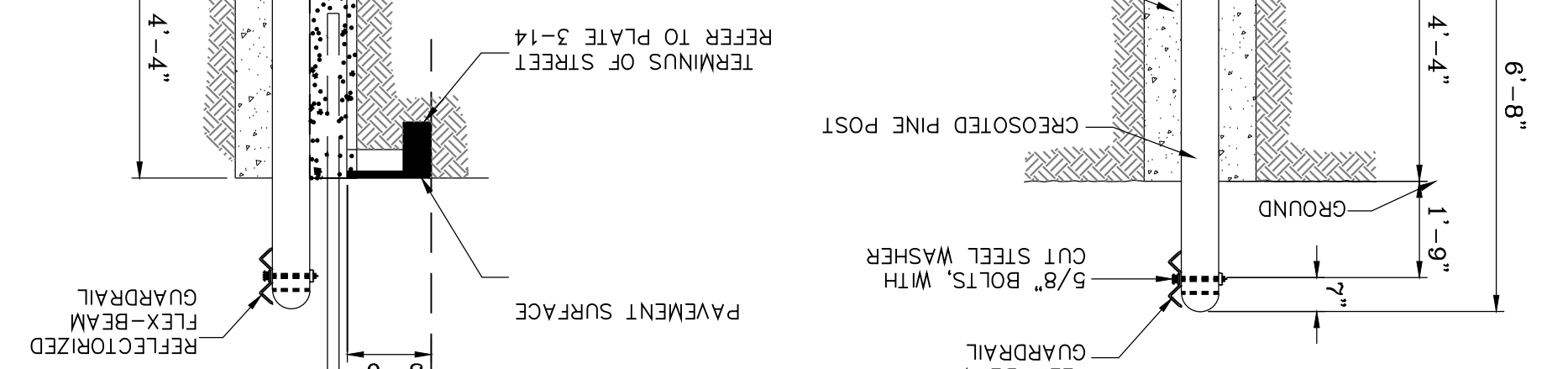
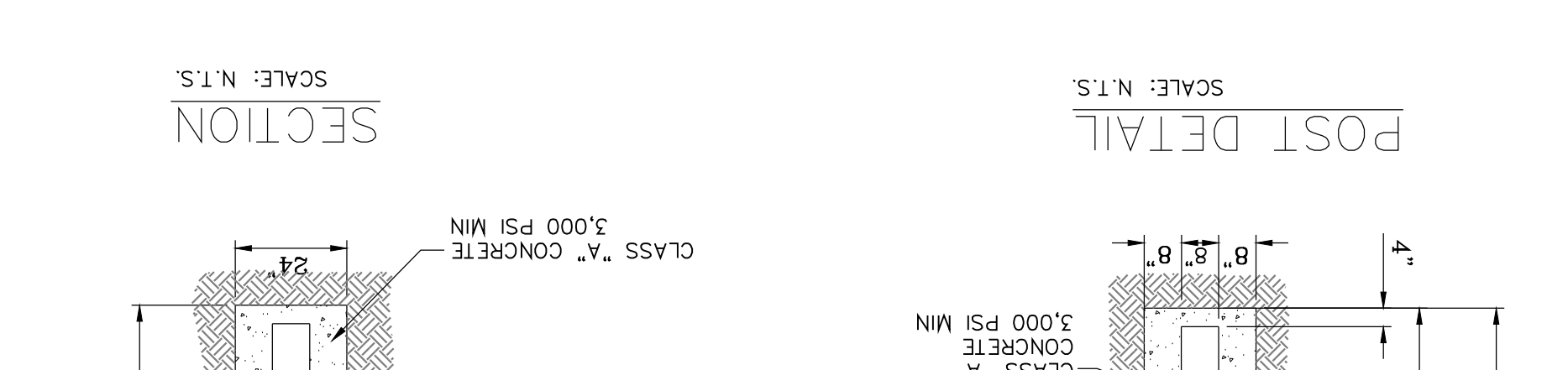
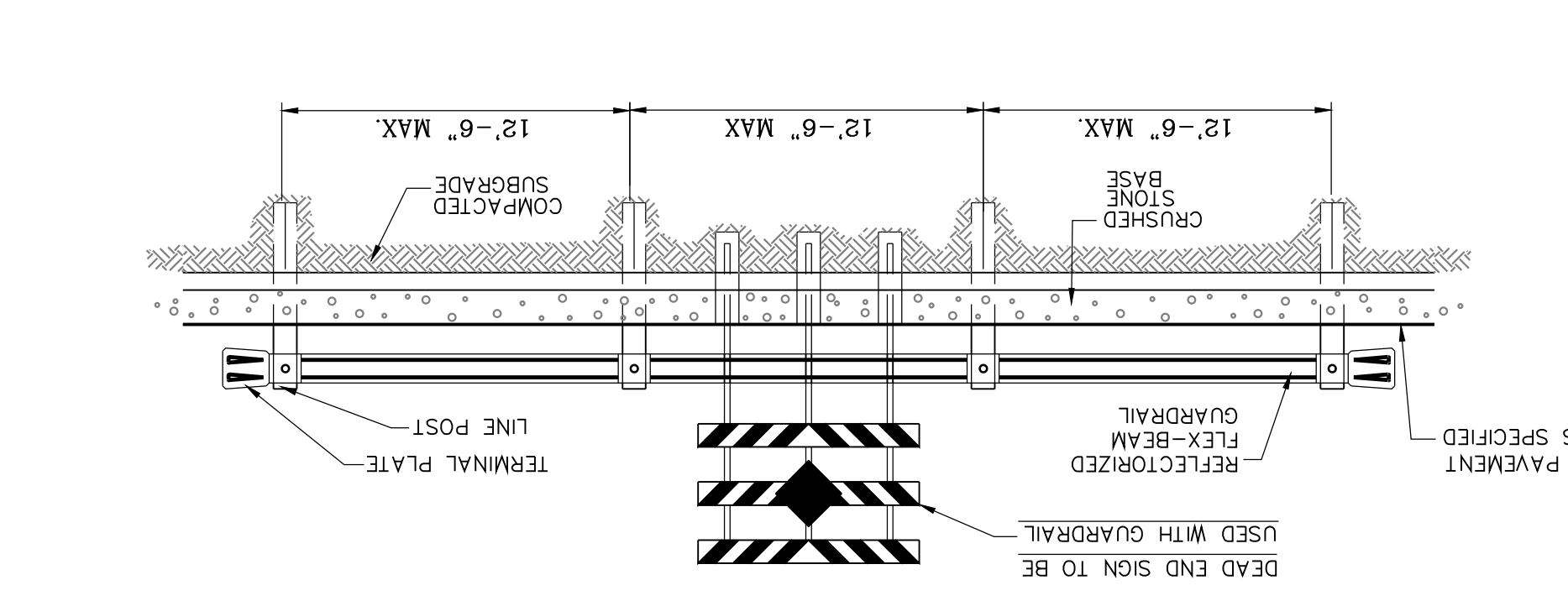


SCALE
 HORIZ: VERT:
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

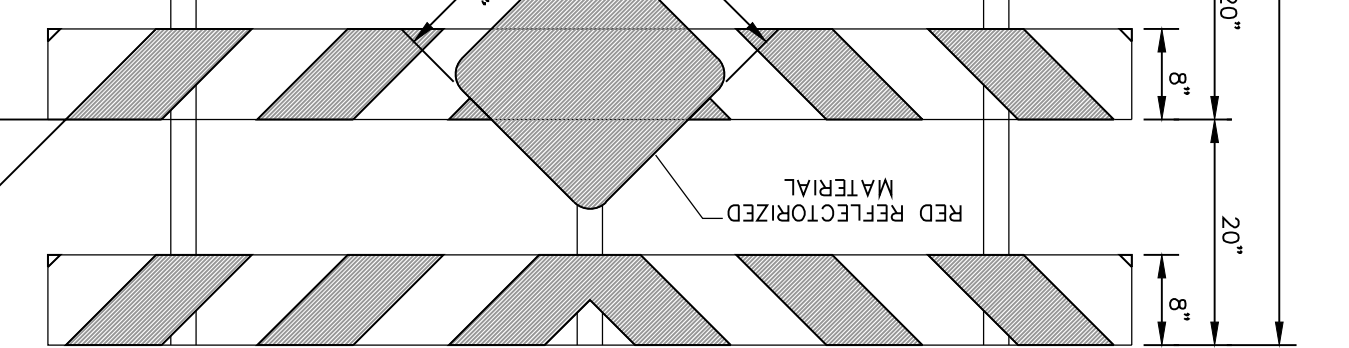
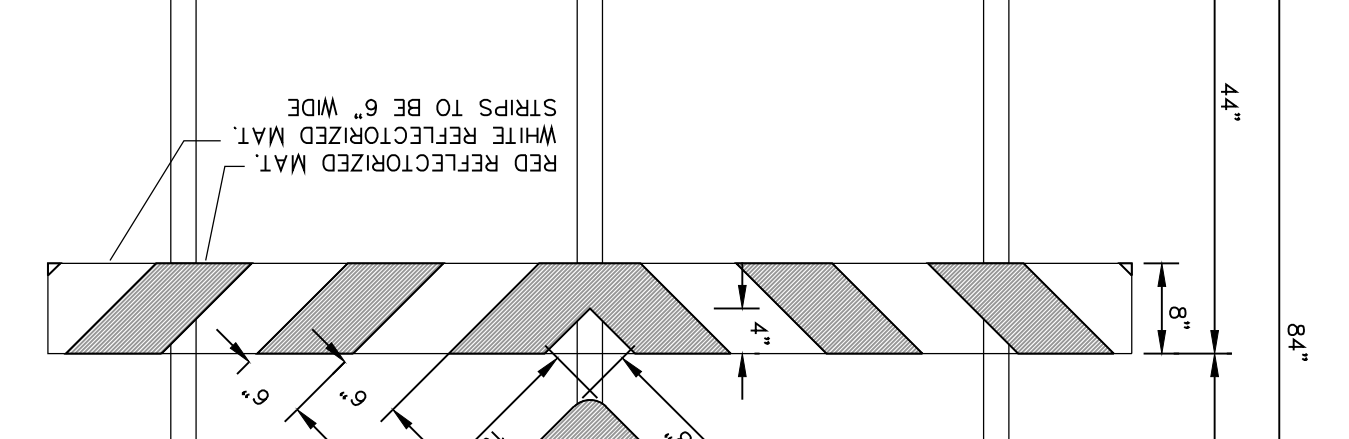
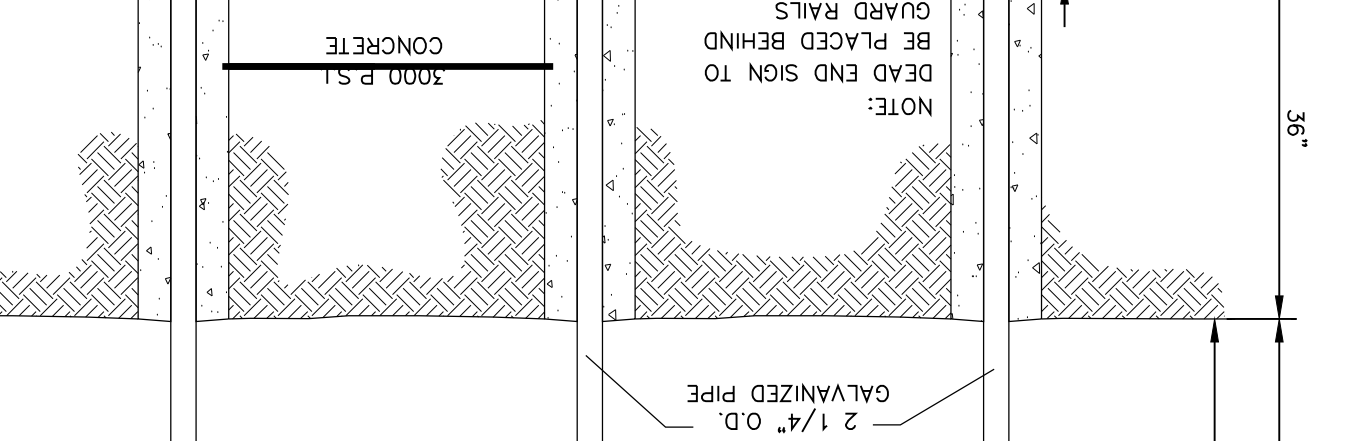
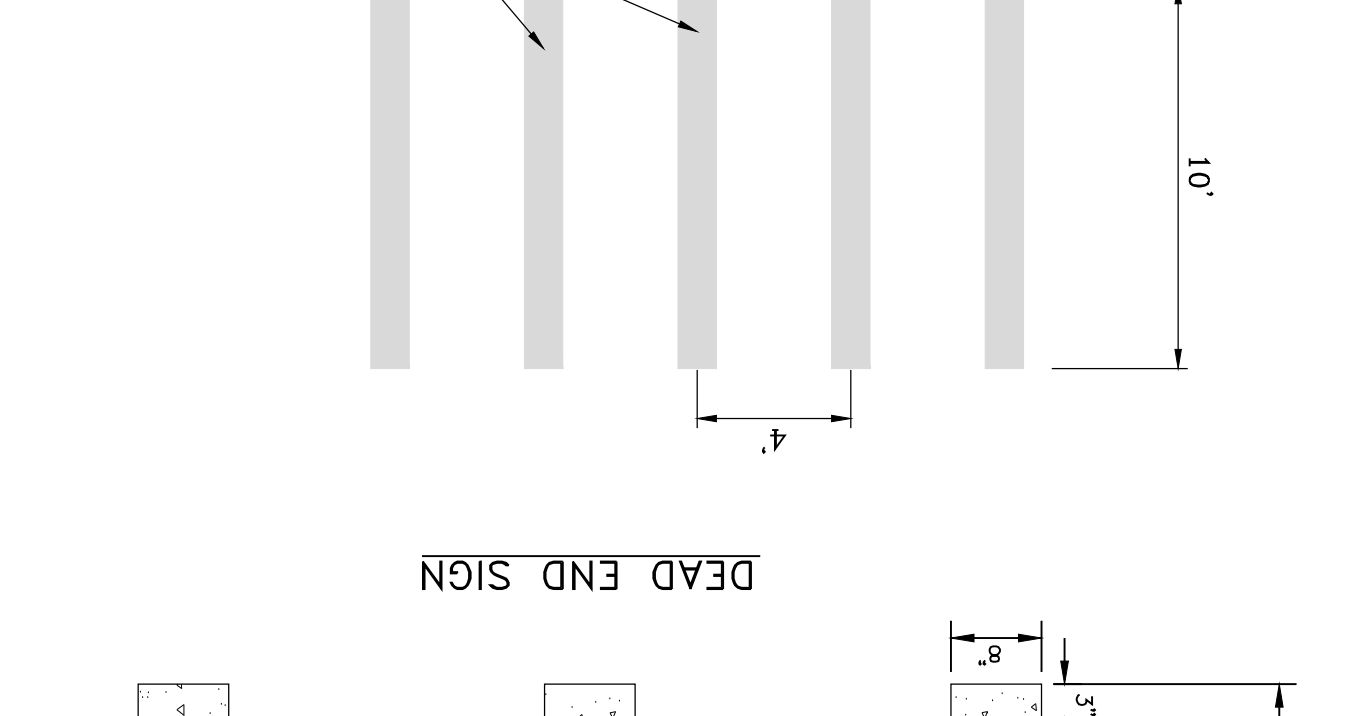
BENCHMARK
 1/2" REBAR PANEL POINT FROM ARTERIAL TOP PROVIDED BY OTHERS LOCATED N45°57'18" E 180.02 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ELEVATION=4004.41 ADD 10 FEET TO OBTAIN NAVD 88 DATUM AS REFERENCED TO NOS CONTROL NE3 WITH COORDINATES OF NORTING: 10794918.66 EASTING: 413680.75. NORTHWEST CORNER INTERSECTION OF INTERSECTION OF THE REVISIONS
 DATE: 09/19/19
 CITY REDLINES AS PER 05/06/19 COMMENTS
 BY: F.R.

VISTA DEL NORTE ESTATES UNIT TWO
 GUARDRAIL/SIGN ASSEMBLY AT DEAD END STREET DETAIL



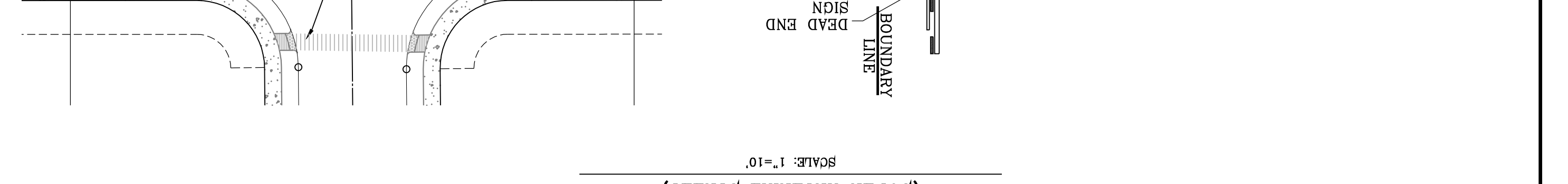
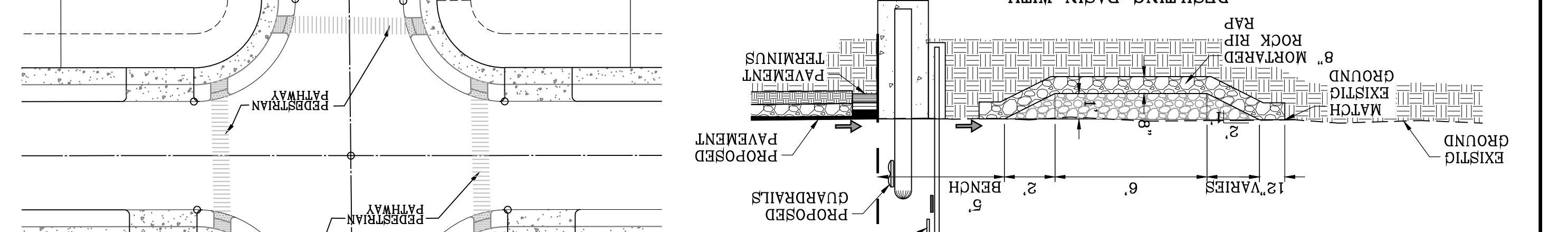
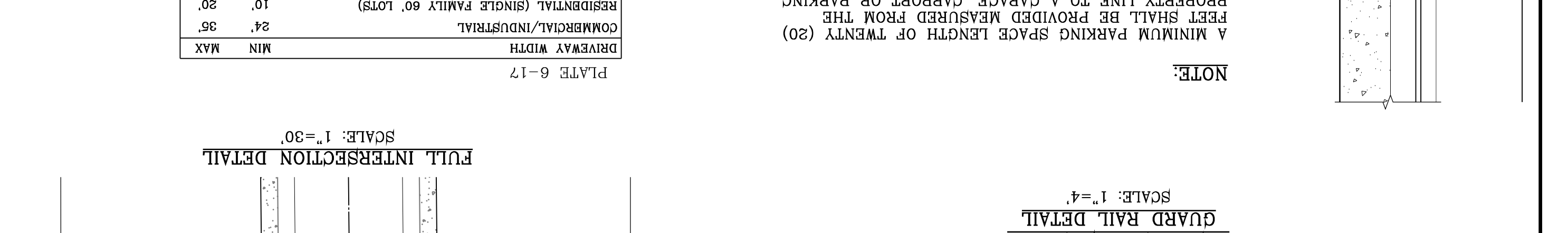
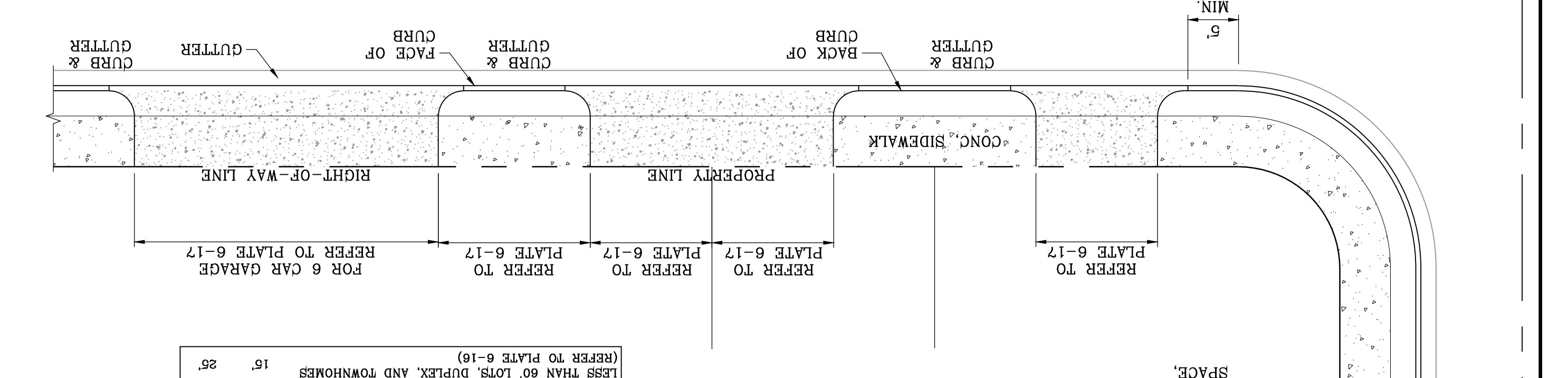
NOTES:
 1. ALL RAMP SHALL HAVE DETECTABLE WARNINGS CONSISTING OF TRUNCATED DOME WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF NOMINAL 0.2 IN AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.0 IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
 2. CROSS SLOPE SHALL NOT EXCEED 1:50
 3. RAMP SLOPE SHALL NOT EXCEED 1:12
 4. ALL RAMP SHALL BE BUILT BY DEVELOPER AND COMPLY WITH ADA STANDARDS
 5. EXPANSION JOINTS WILL BE OF PERFORMED BITUMINOUS FIBER 1/2" INCH THICK.
 6. ALL EXPANSION JOINTS WILL BE OF PERFORMED BITUMINOUS FIBER 1/2" INCH THICK.
 7. CONCRETE CLASS "A" 3000 PSI
 8. NO EXPANSION JOINT WILL BE REQUIRED EXCEPT AT THE END OF CURB RETURNS. (POINT OF TANGENCY WITH STRAIGHT LINE).
 9. CONTRACTION JOINTS (1/2" INCH MIN.) MUST BE SCORD EVERY 10 FEET IN CURB AND GUTTER.
 10. OF TANGENCY WITH STRAIGHT LINE).
 11. NO EXPANSION JOINT WILL BE REQUIRED EXCEPT AT THE END OF CURB RETURNS. (POINT OF TANGENCY WITH STRAIGHT LINE).
 12. ALL PROPOSED AND/OR EXISTING PATHS OF TRAVEL (ACCESSIBLE SIDEWALKS, WHEELCHAIR ACCESS CURBS, RAMPS AND DRIVEWAYS) LOCATED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE ADA/TAS COMPLIANT.

DEAD END SIGN
 SCALE: 1"=5'



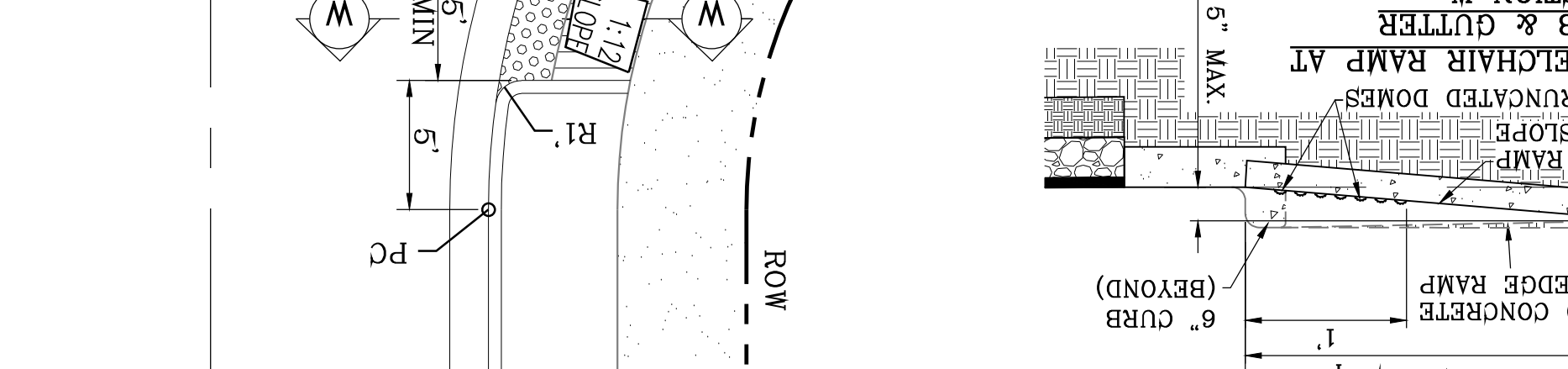
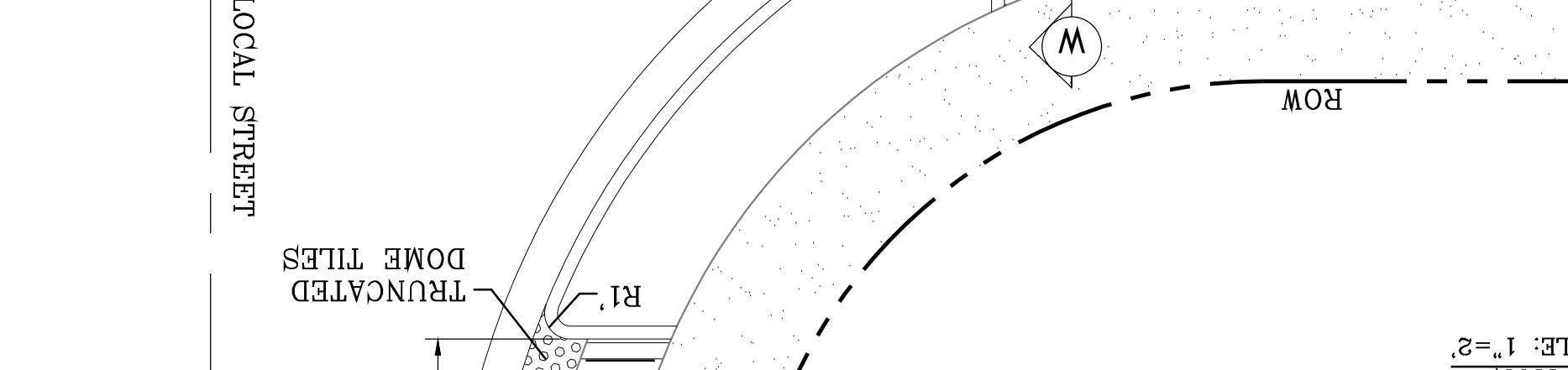
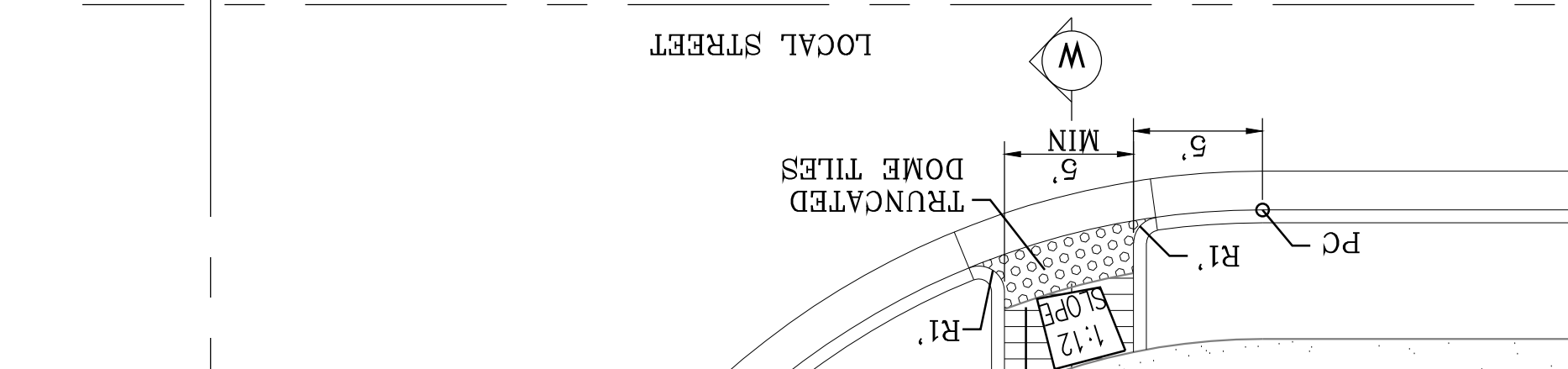
NOTES:
 1. NO EXPANSION JOINT WILL BE REQUIRED EXCEPT AT THE END OF CURB RETURNS. (POINT OF TANGENCY WITH STRAIGHT LINE).
 2. OF TANGENCY WITH STRAIGHT LINE).
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TYPICAL RESIDENTIAL DRIVEWAY WITH CURB & GUTTER
 SCALE: 1"=10'



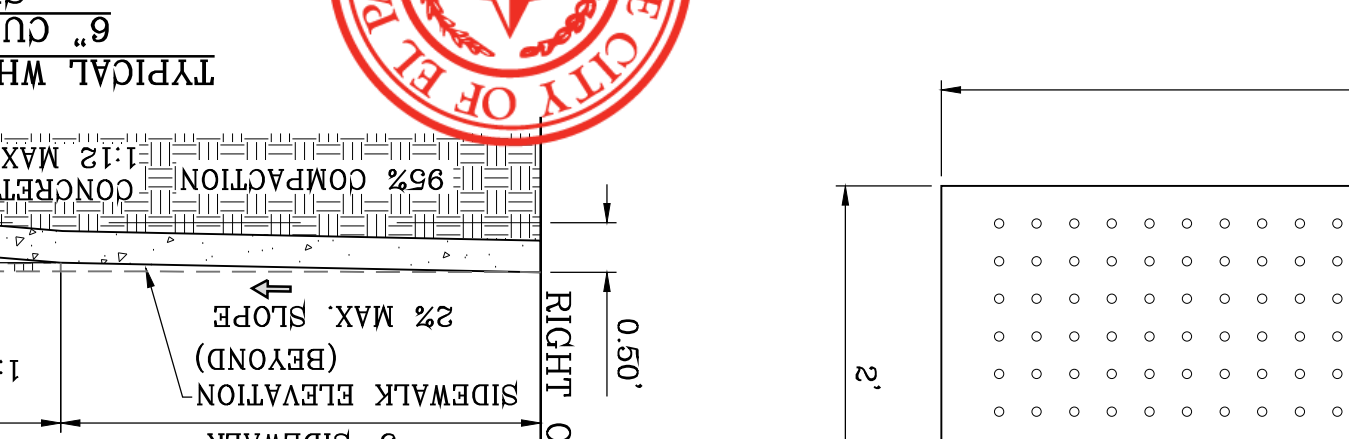
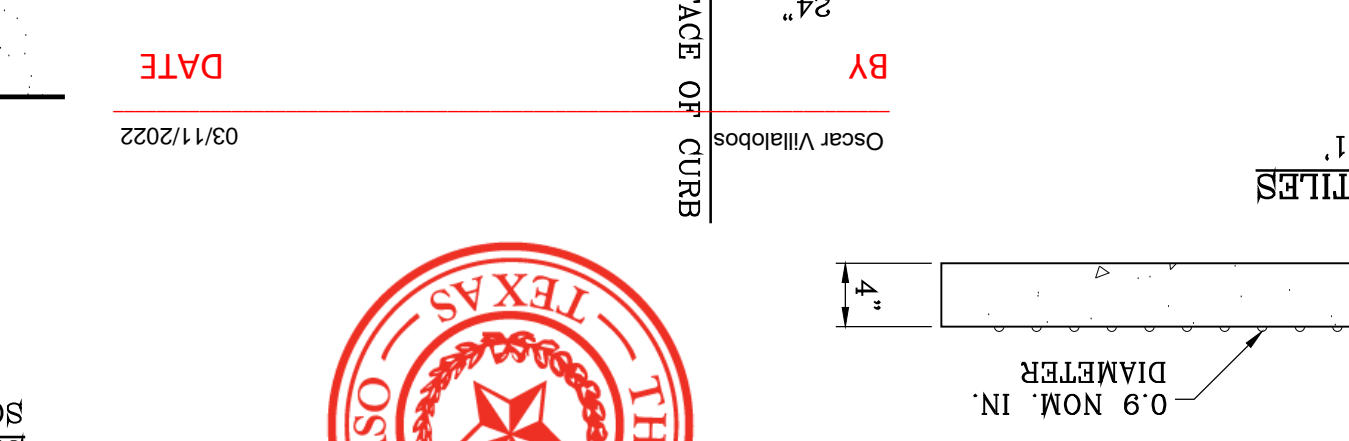
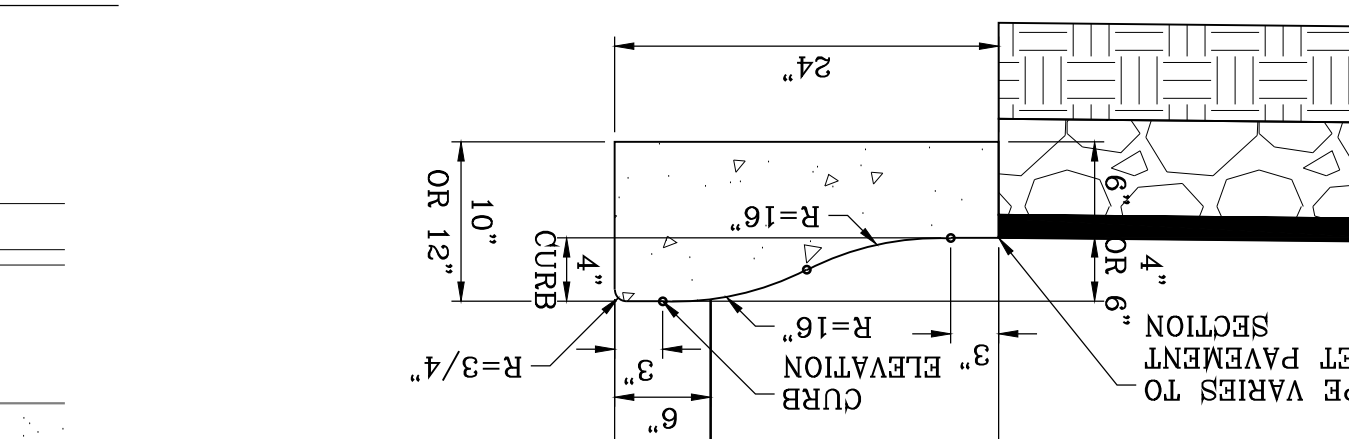
NOTES:
 1. NO EXPANSION JOINT WILL BE REQUIRED EXCEPT AT THE END OF CURB RETURNS. (POINT OF TANGENCY WITH STRAIGHT LINE).
 2. OF TANGENCY WITH STRAIGHT LINE).
 3. CONTRACTION JOINTS (1/2" INCH MIN.) MUST BE SCORD EVERY 10 FEET IN CURB AND GUTTER.
 4. ALL EXPANSION JOINTS WILL BE OF PERFORMED BITUMINOUS FIBER 1/2" INCH THICK.
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STRAIGHT CURB RAMP DESIGN WITH CURB RETURNS
 SCALE: 1"=4'



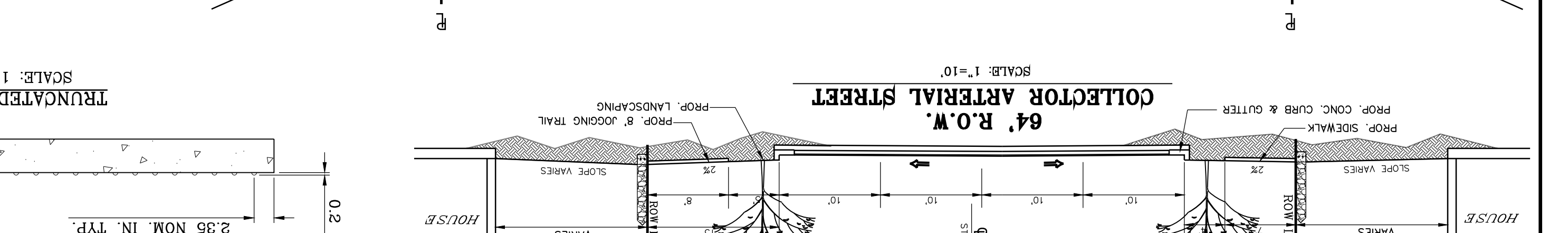
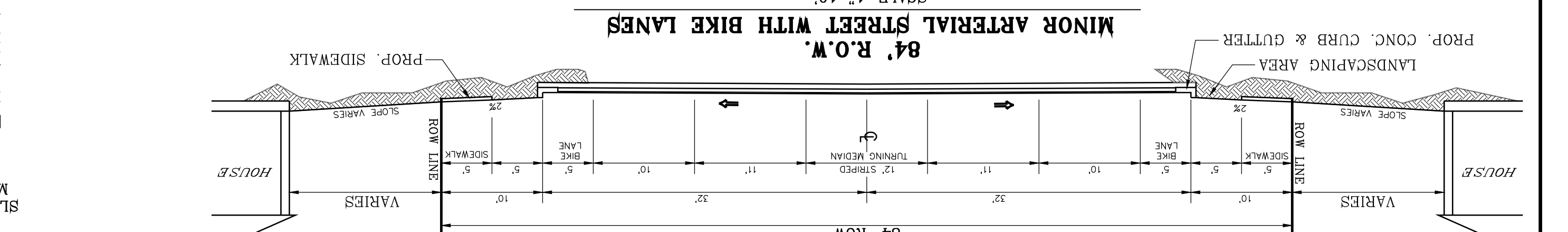
NOTES:
 1. ALL RAMP SHALL HAVE DETECTABLE WARNINGS CONSISTING OF TRUNCATED DOME WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF NOMINAL 0.2 IN AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.0 IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
 2. CROSS SLOPE SHALL NOT EXCEED 1:50
 3. RAMP SLOPE SHALL NOT EXCEED 1:12
 4. ALL RAMP SHALL BE BUILT BY DEVELOPER AND COMPLY WITH ADA STANDARDS
 5. EXPANSION JOINTS WILL BE OF PERFORMED BITUMINOUS FIBER 1/2" INCH THICK.
 6. ALL EXPANSION JOINTS WILL BE OF PERFORMED BITUMINOUS FIBER 1/2" INCH THICK.
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 9. CONTRACTION JOINTS (1/2" INCH MIN.) MUST BE SCORD EVERY 10 FEET IN CURB AND GUTTER.
 10. OF TANGENCY WITH STRAIGHT LINE).
 11. NO EXPANSION JOINT WILL BE REQUIRED EXCEPT AT THE END OF CURB RETURNS. (POINT OF TANGENCY WITH STRAIGHT LINE).
 12. ALL PROPOSED AND/OR EXISTING PATHS OF TRAVEL (ACCESSIBLE SIDEWALKS, WHEELCHAIR ACCESS CURBS, RAMPS AND DRIVEWAYS) LOCATED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE ADA/TAS COMPLIANT.

ROLLED CURB DETAIL
 SCALE: 1"=1'



NOTES:
 1. ALL RAMP SHALL HAVE DETECTABLE WARNINGS CONSISTING OF TRUNCATED DOME WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF NOMINAL 0.2 IN AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.0 IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
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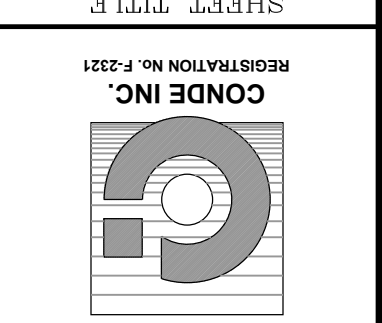
MINOR ARTERIAL STREET WITH BIKE LANES
 SCALE: 1"=10'



NOTES:
 1. ALL RAMP SHALL HAVE DETECTABLE WARNINGS CONSISTING OF TRUNCATED DOME WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF NOMINAL 0.2 IN AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.0 IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
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DATE: 03/11/2022



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

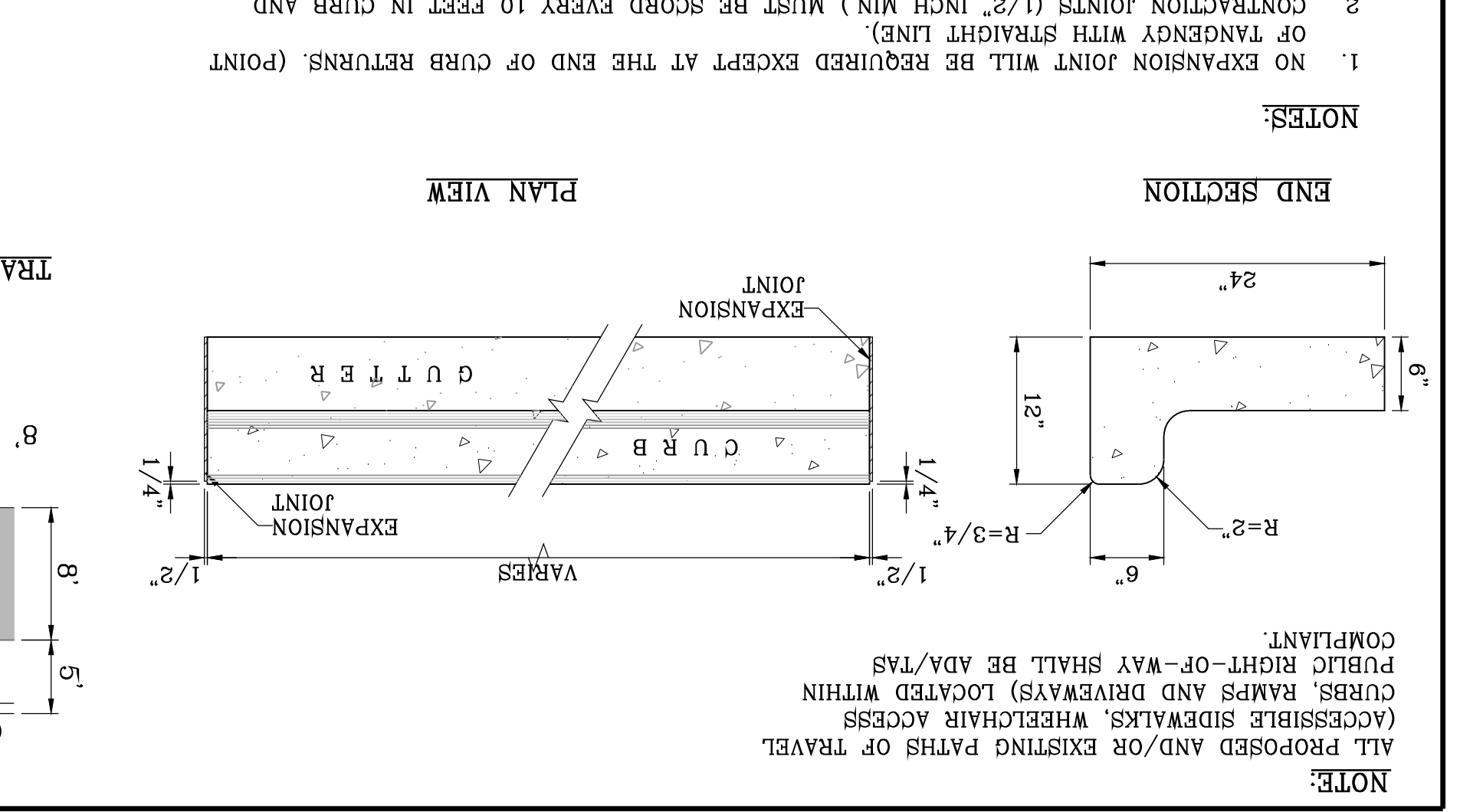
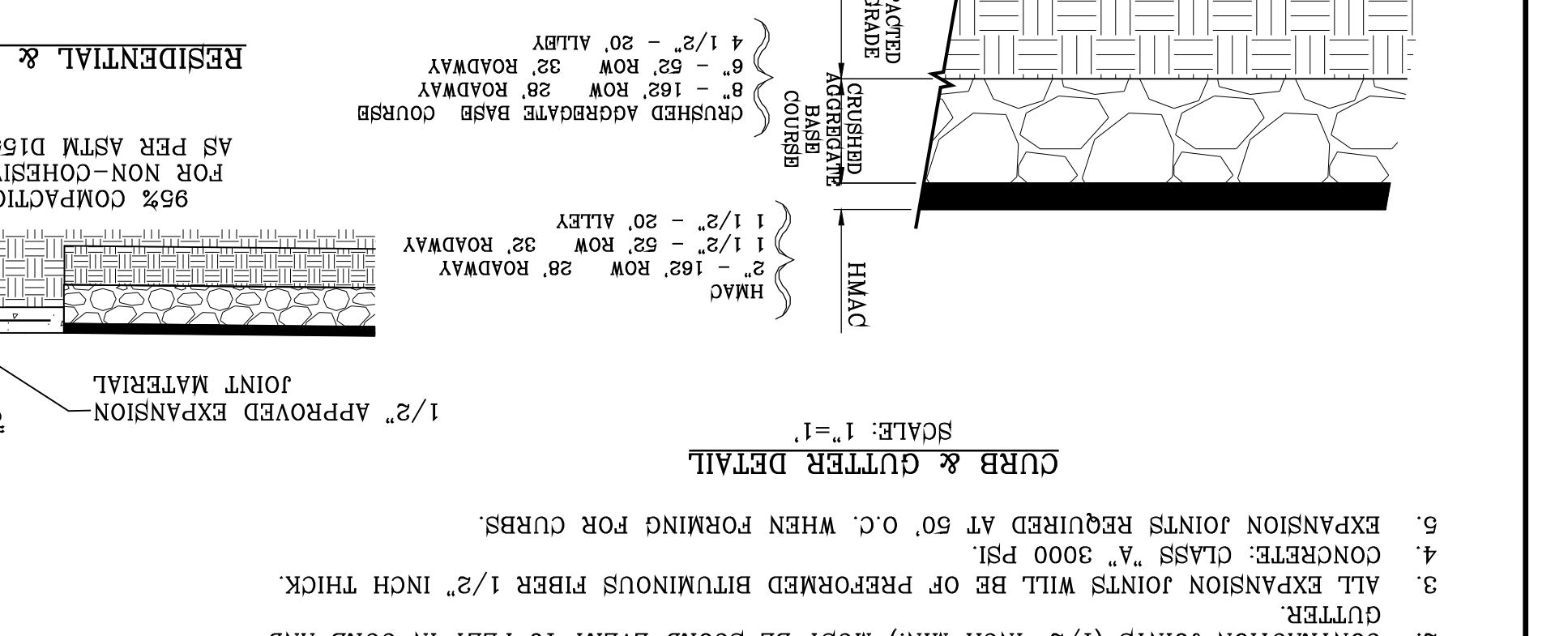
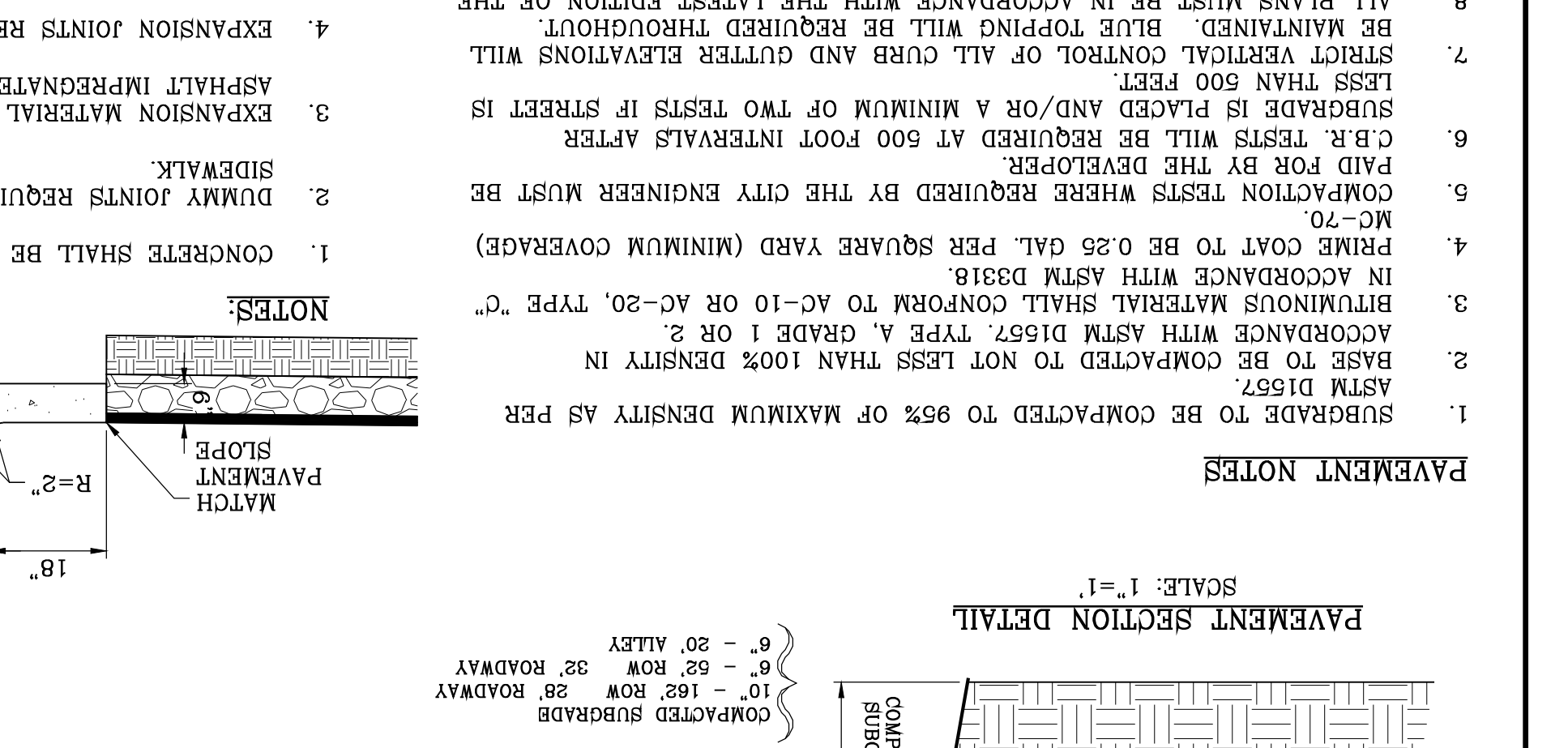
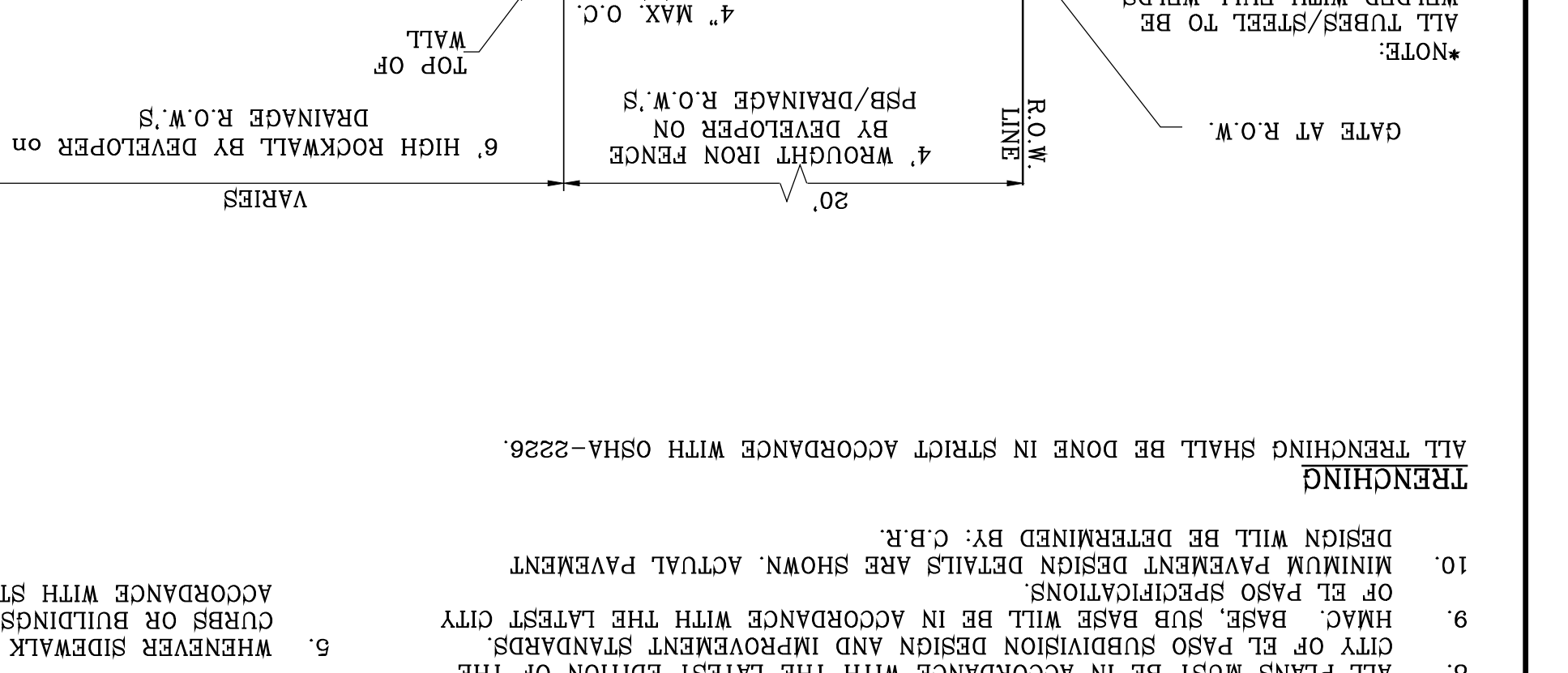
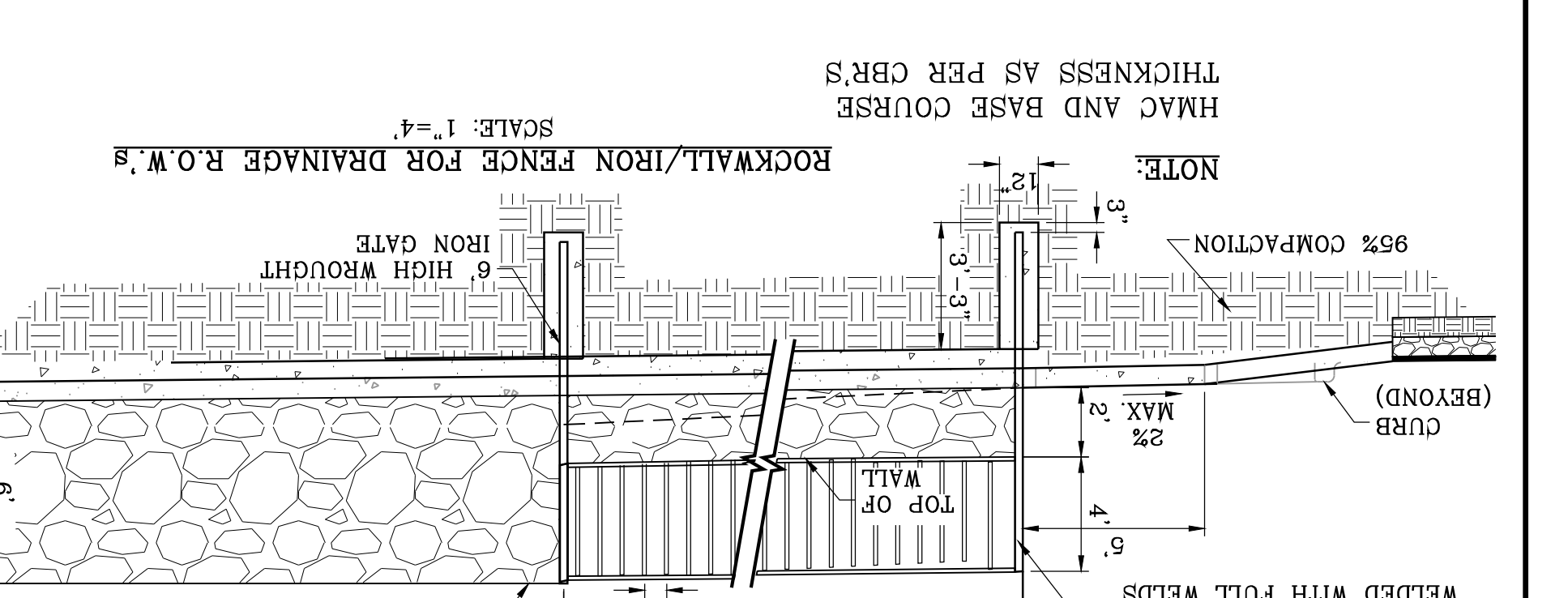
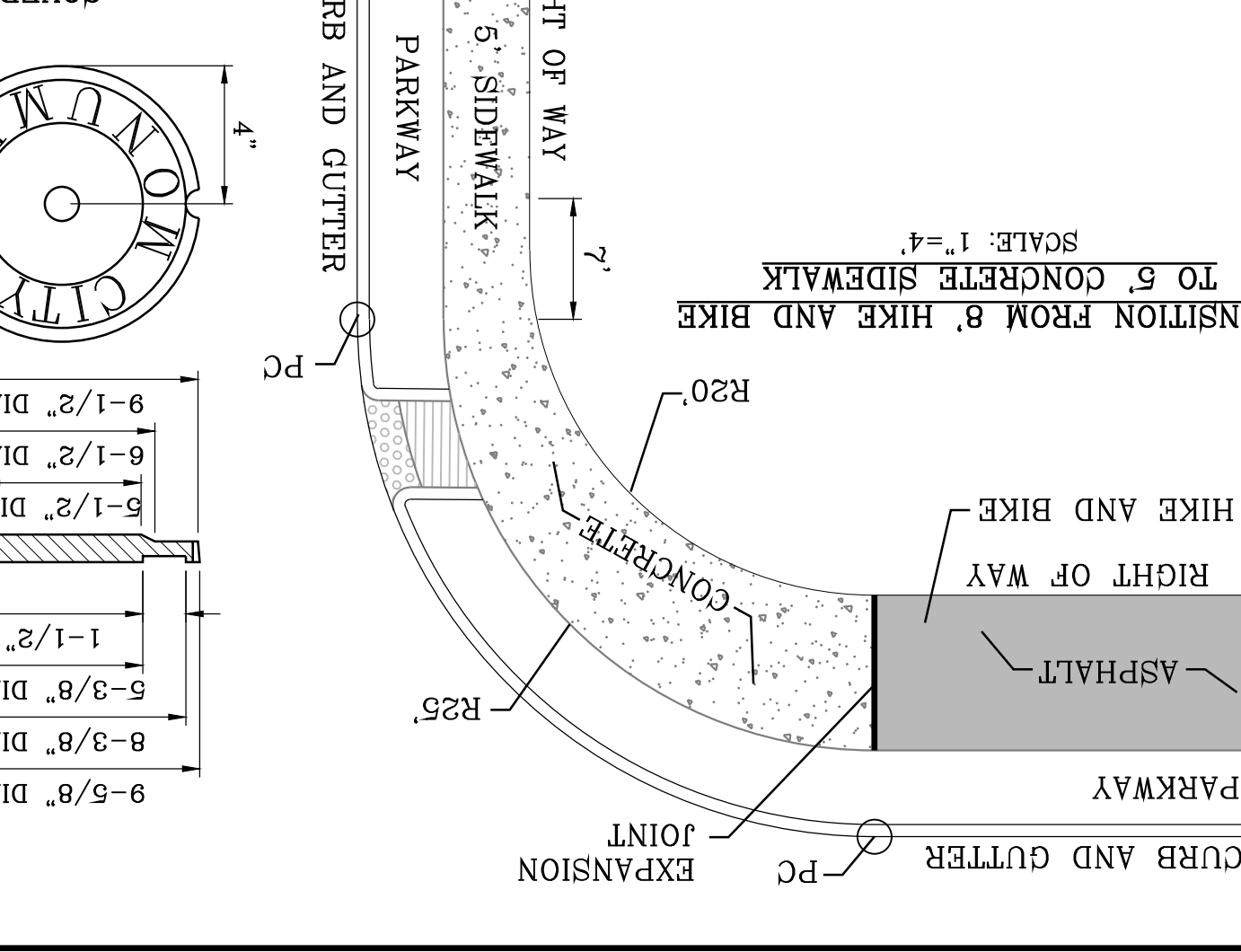
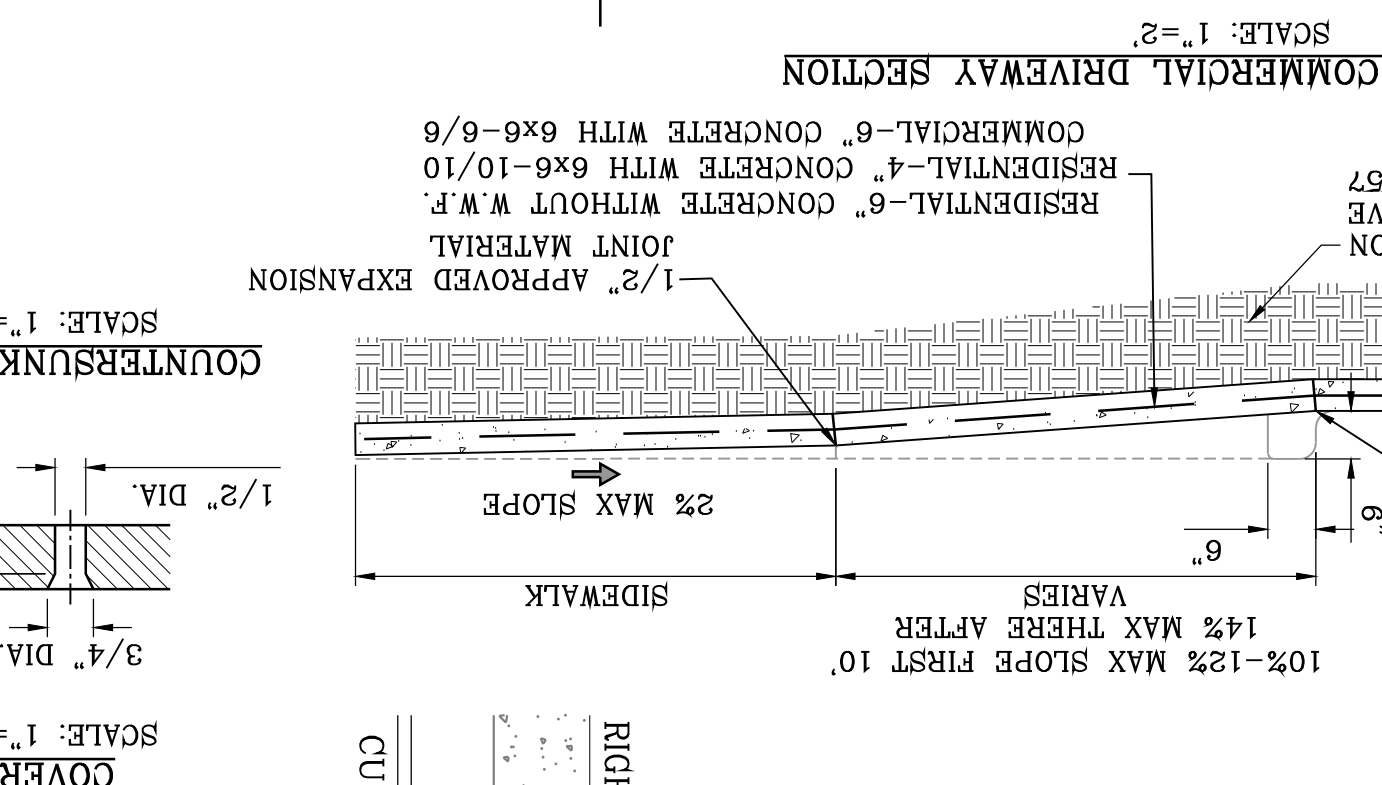
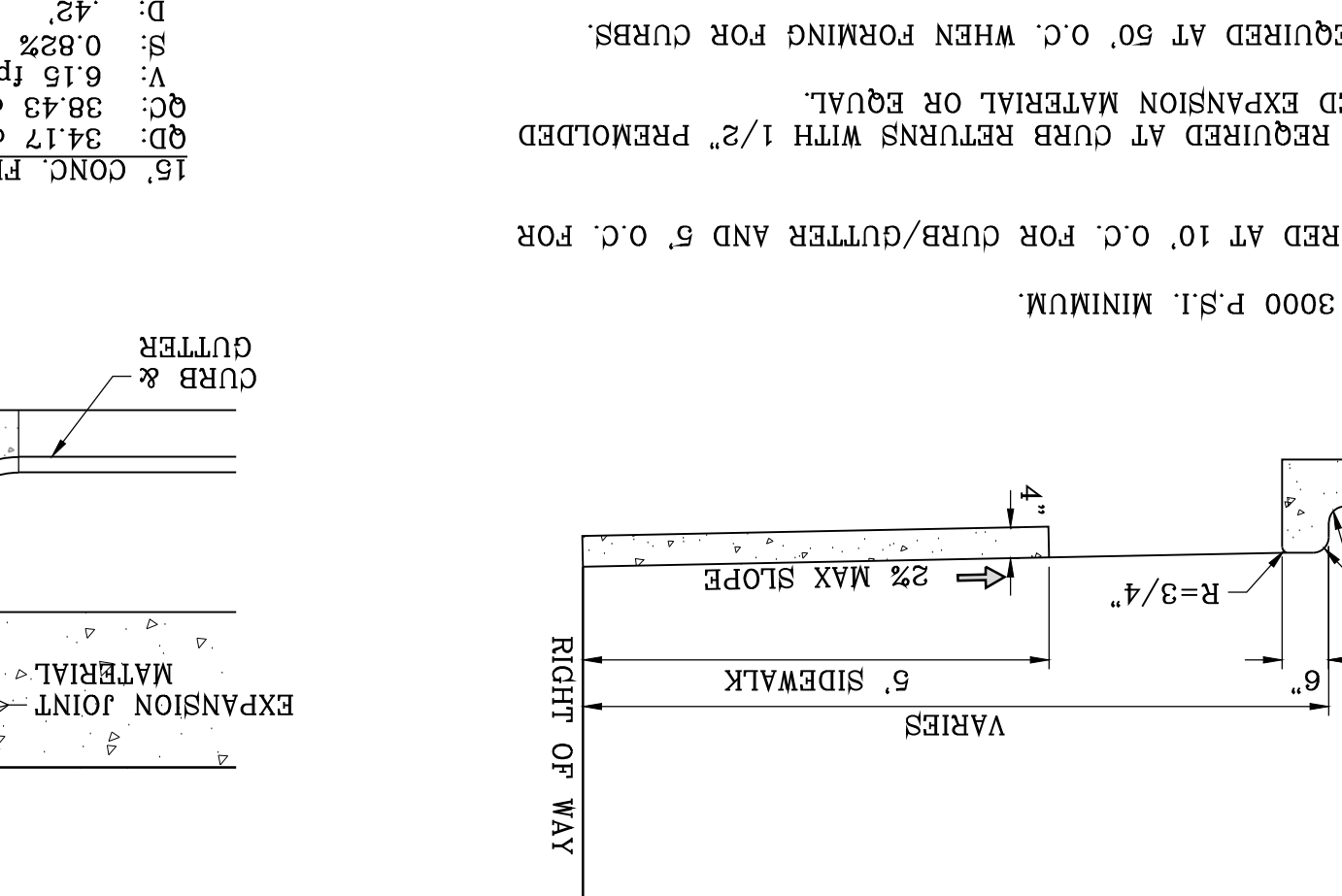
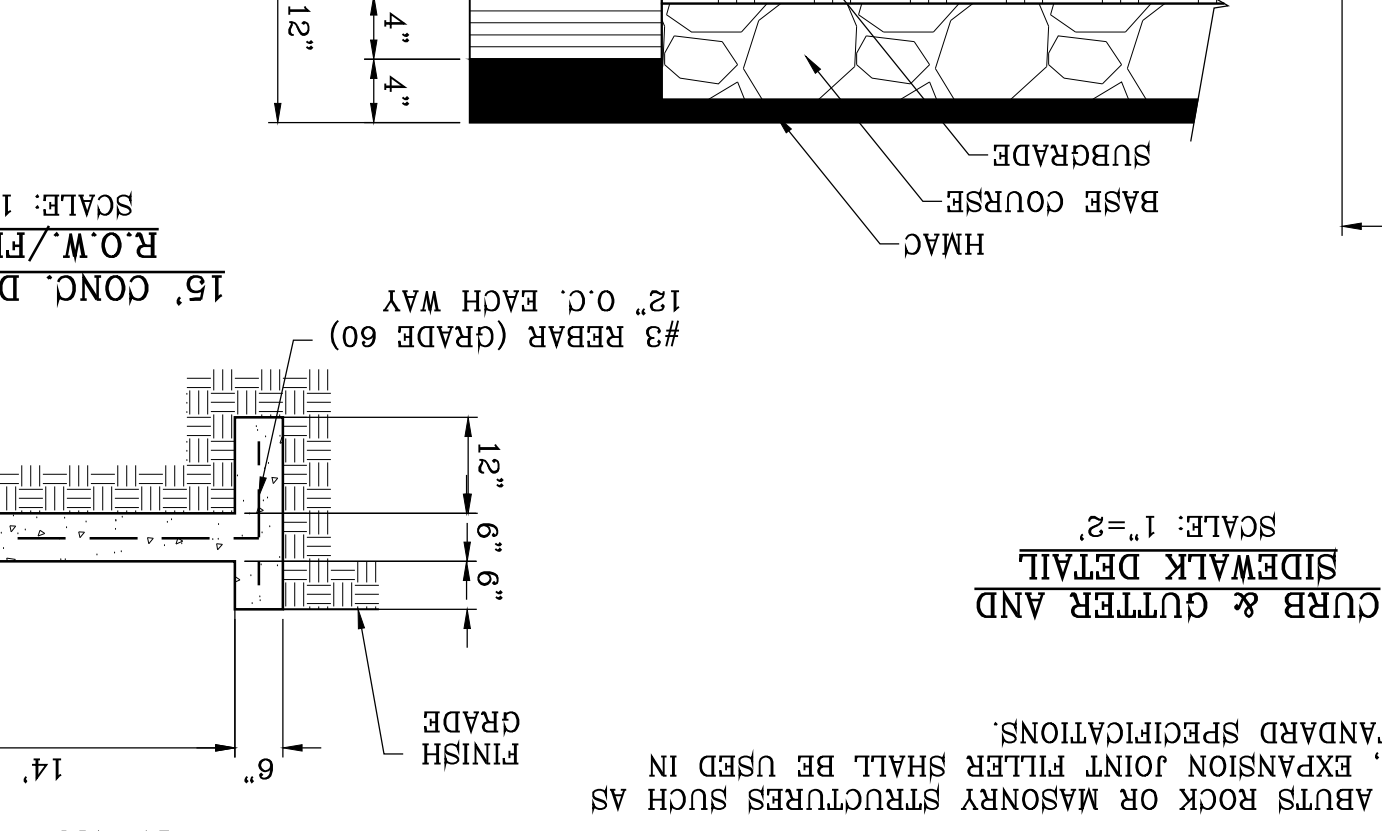
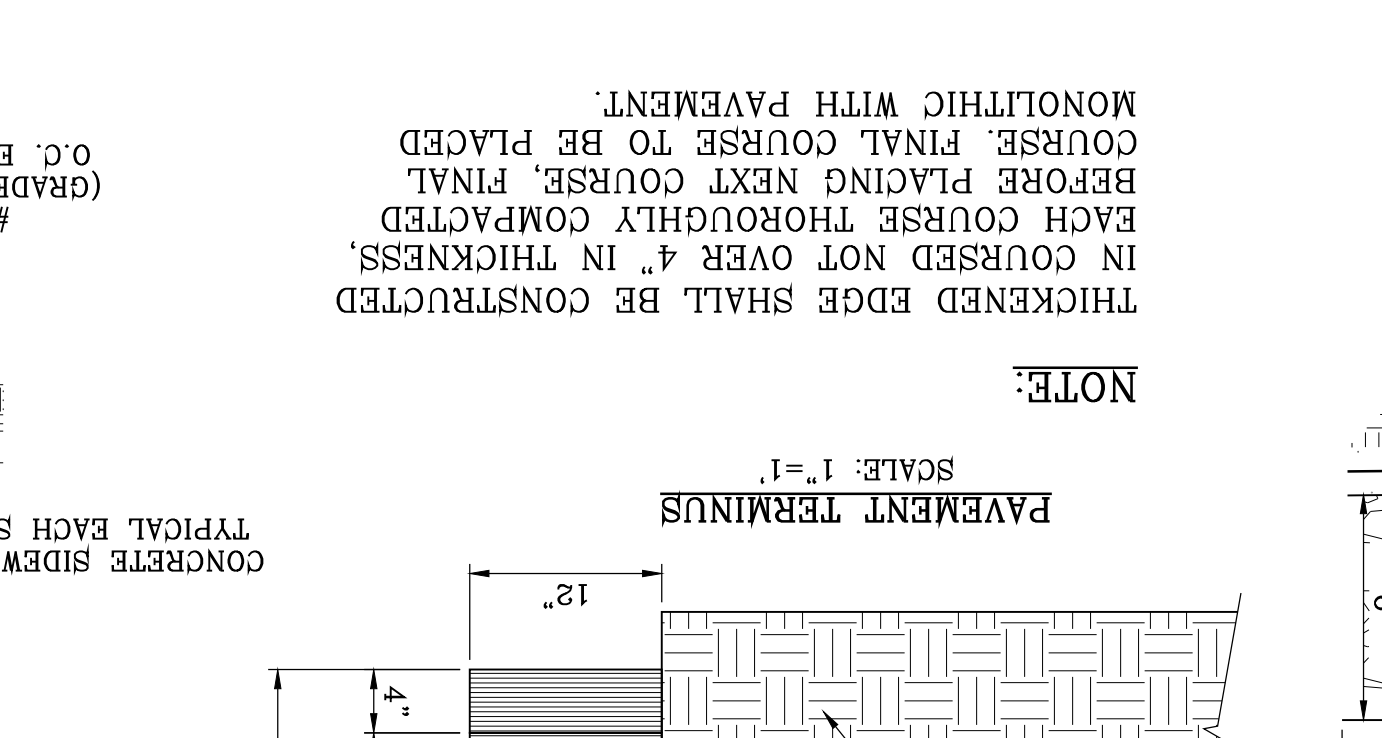
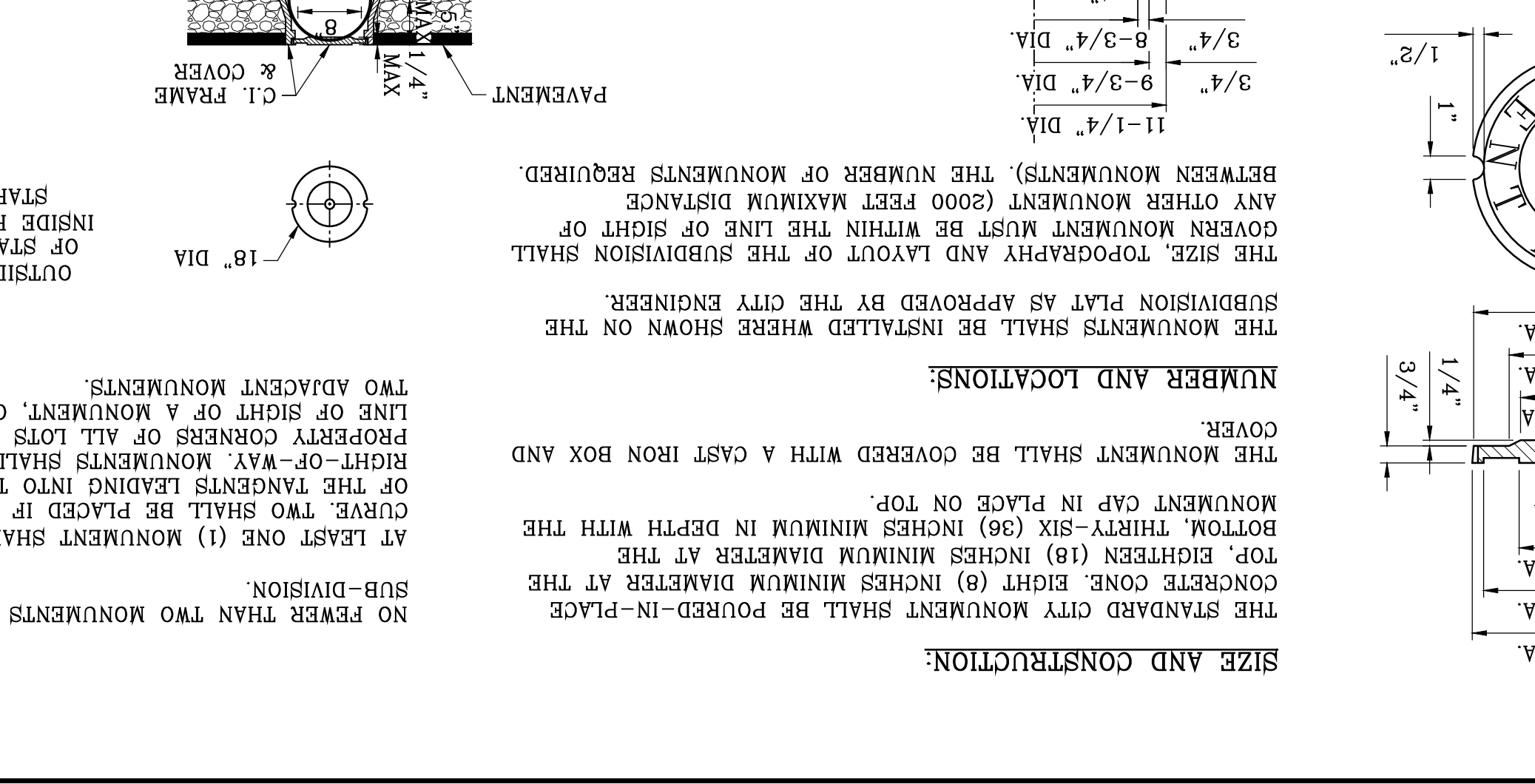
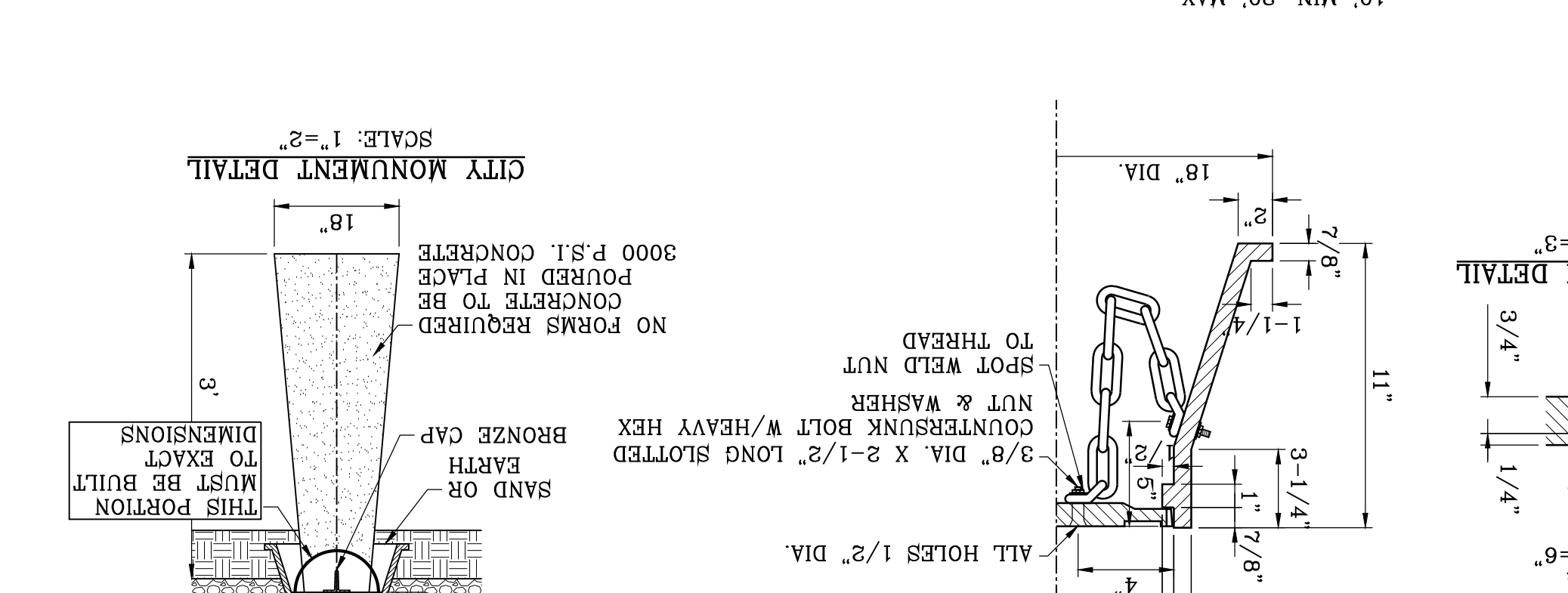
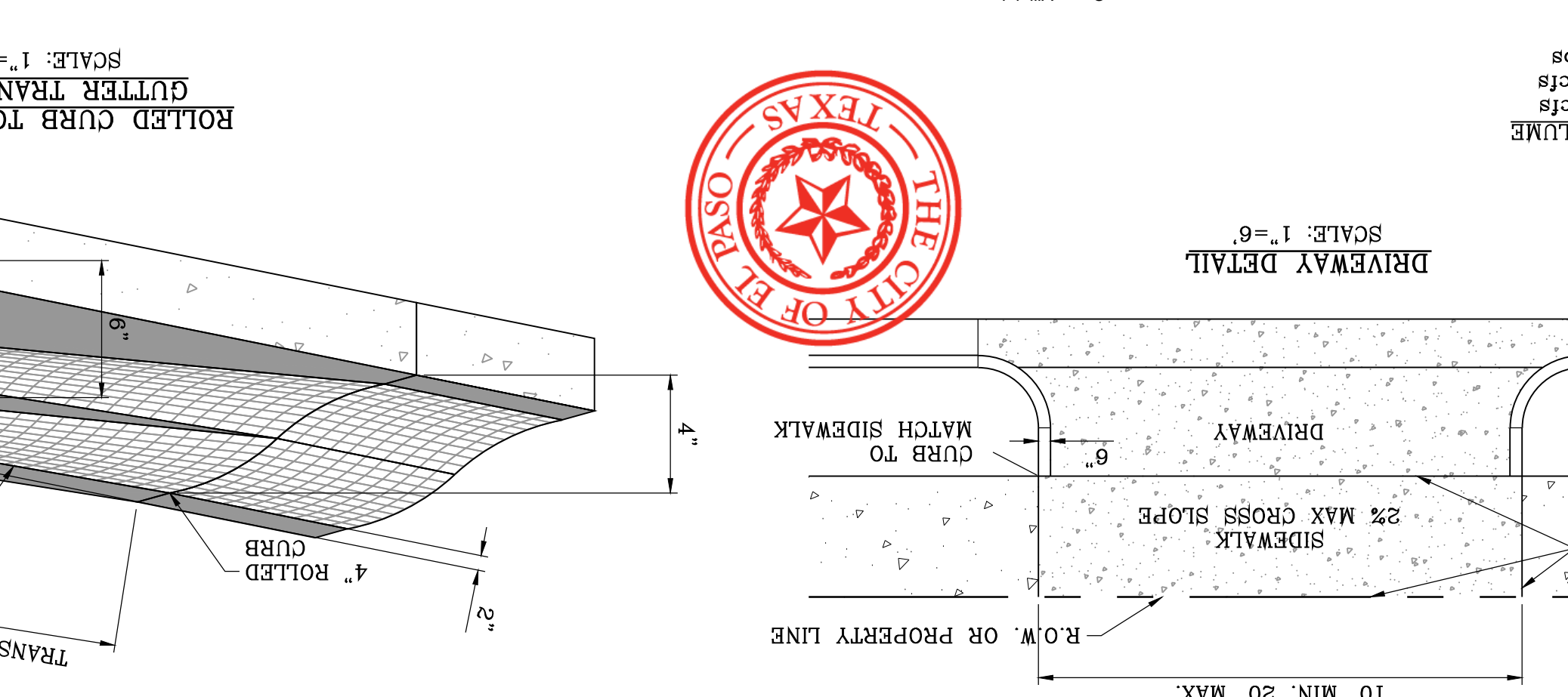
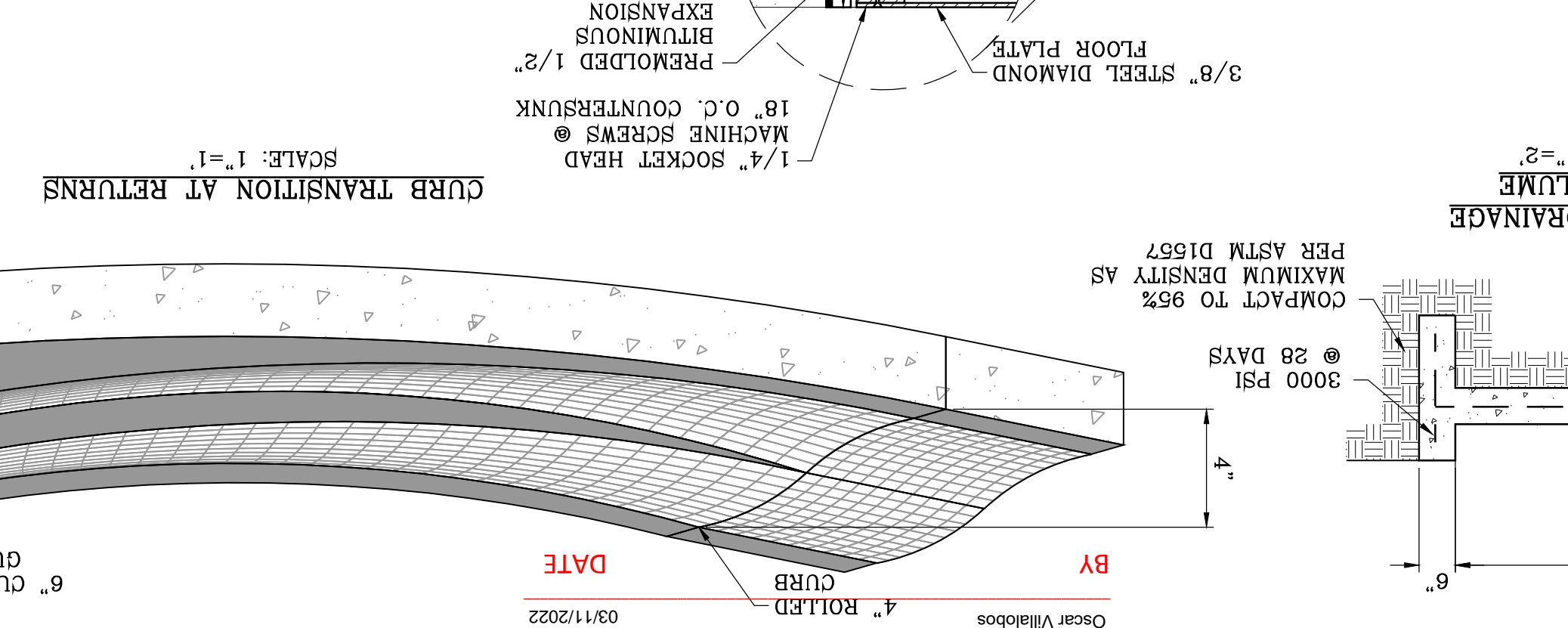
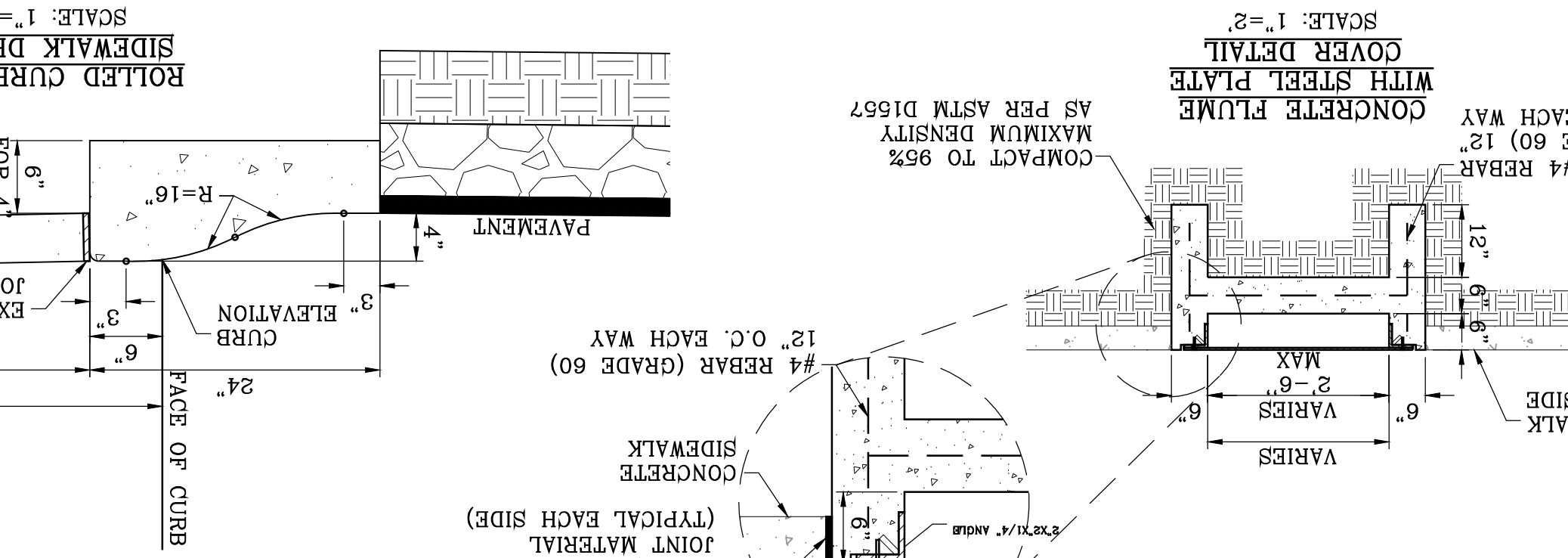
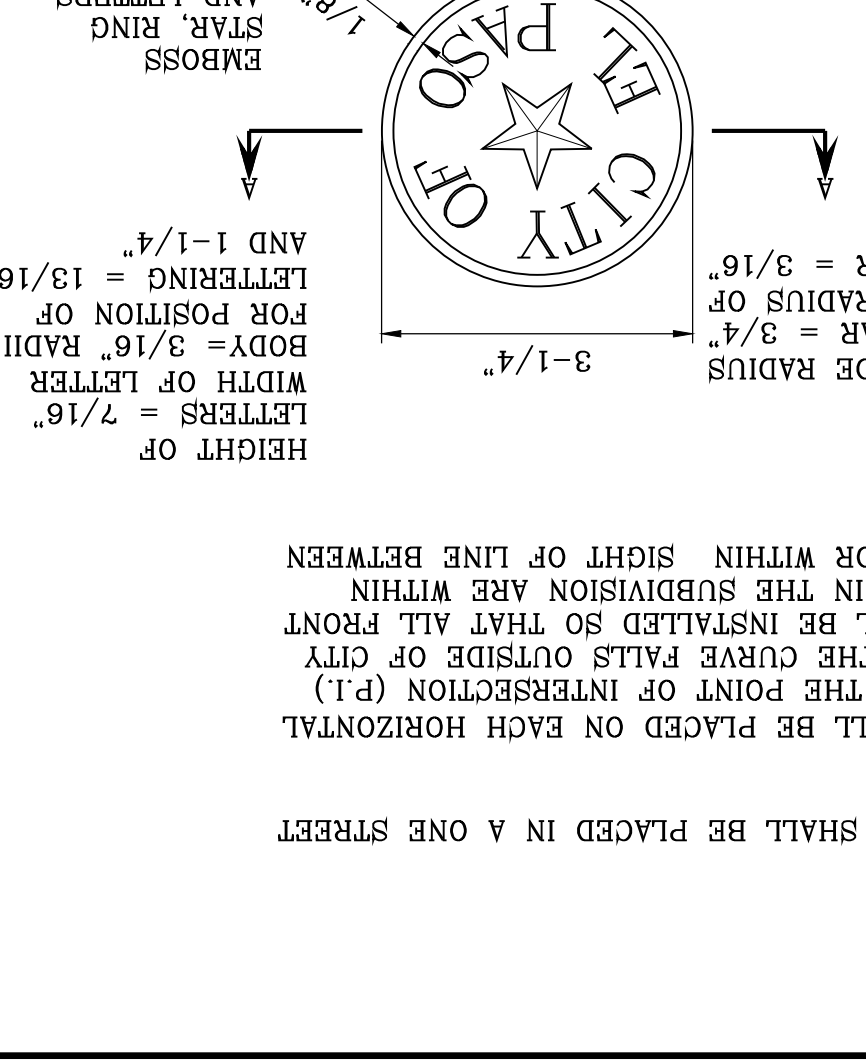
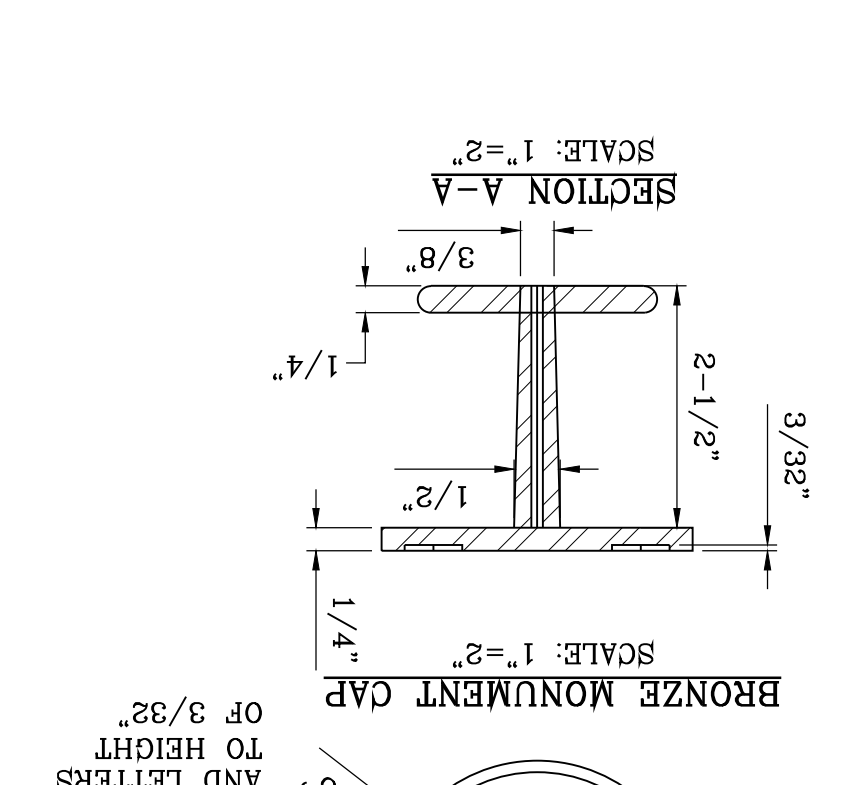
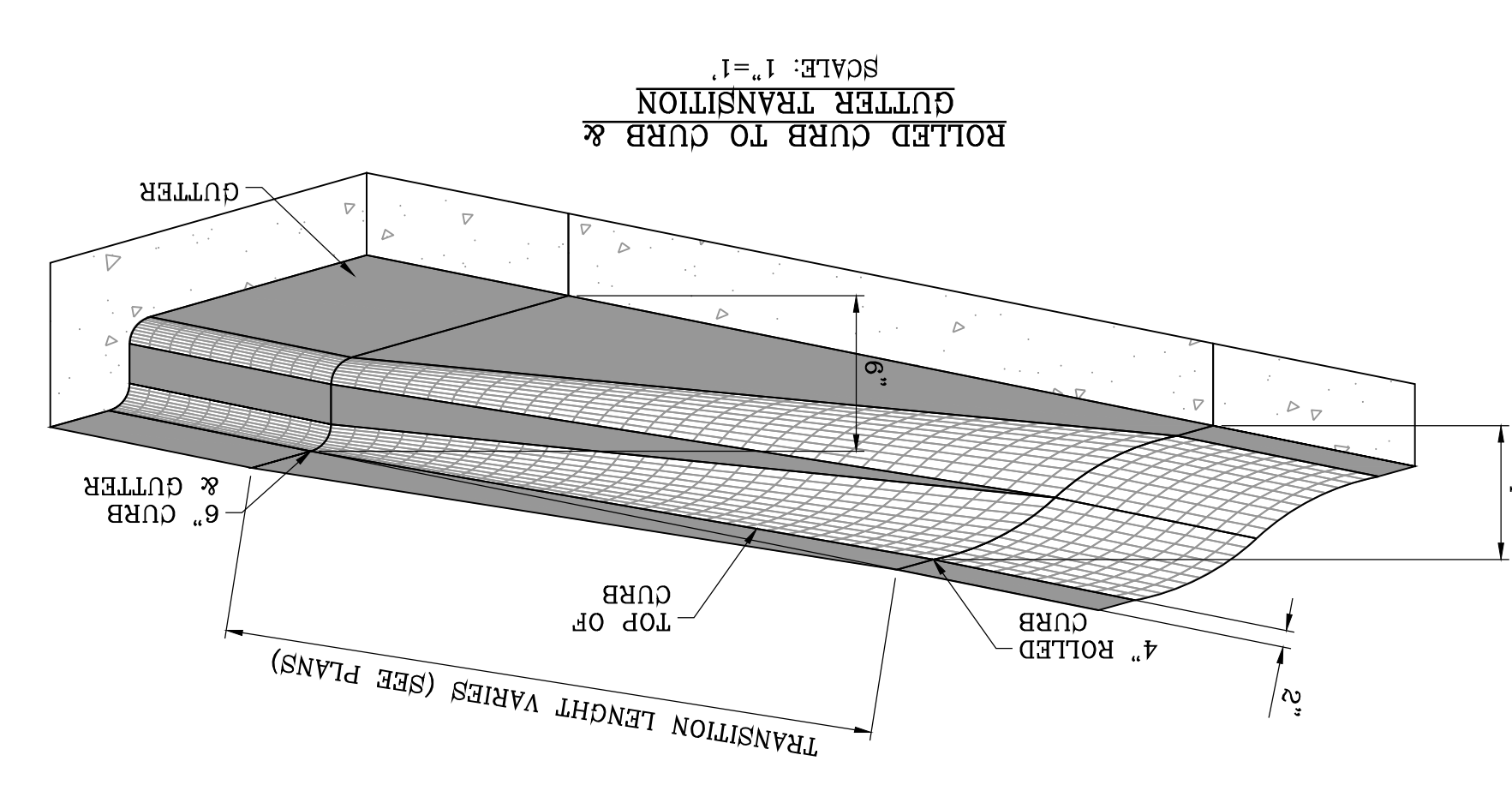
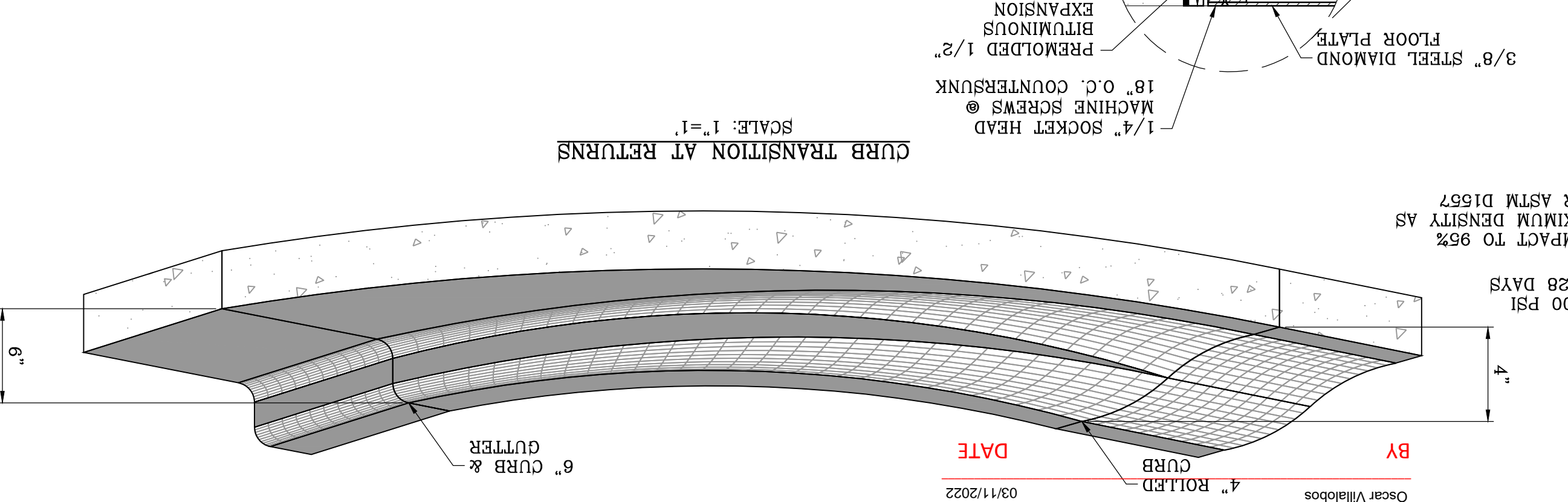
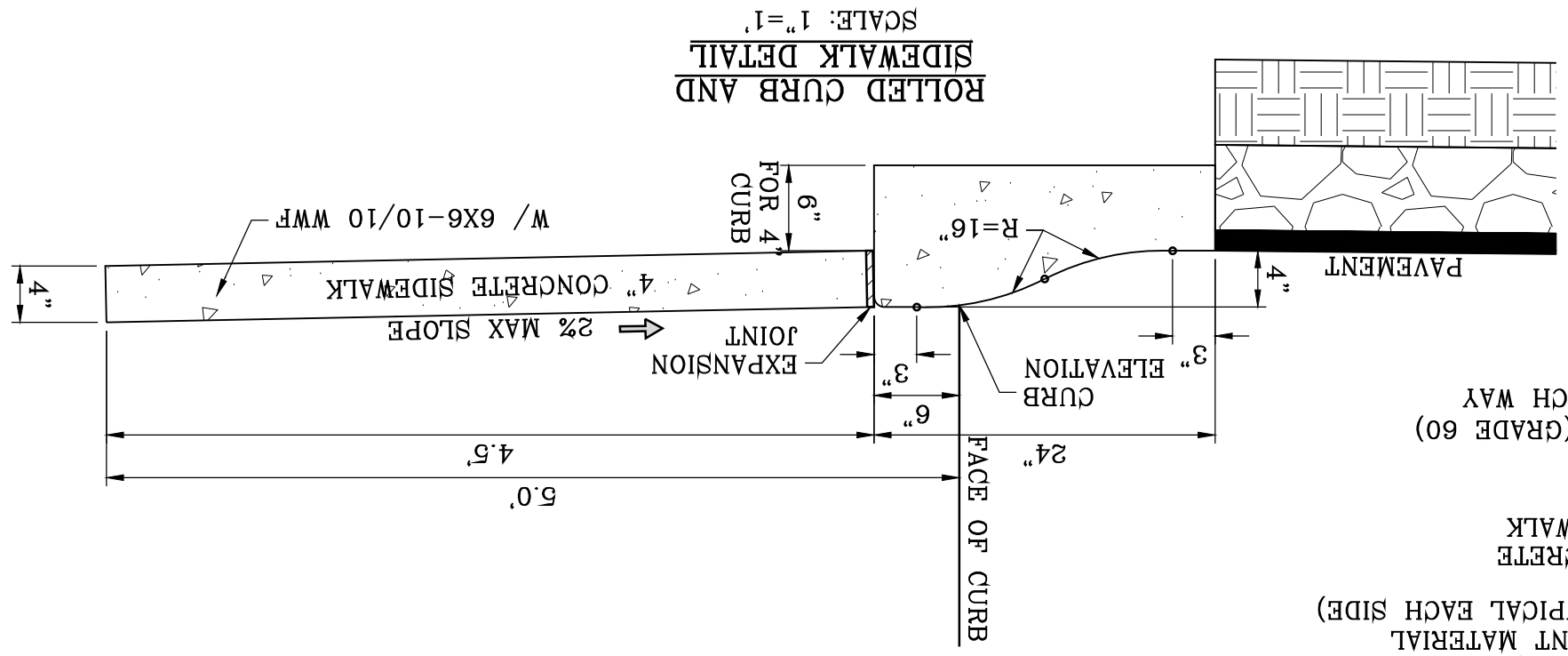


ENGINEER'S SEAL
 OSCAR VILLALOBOS
 DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

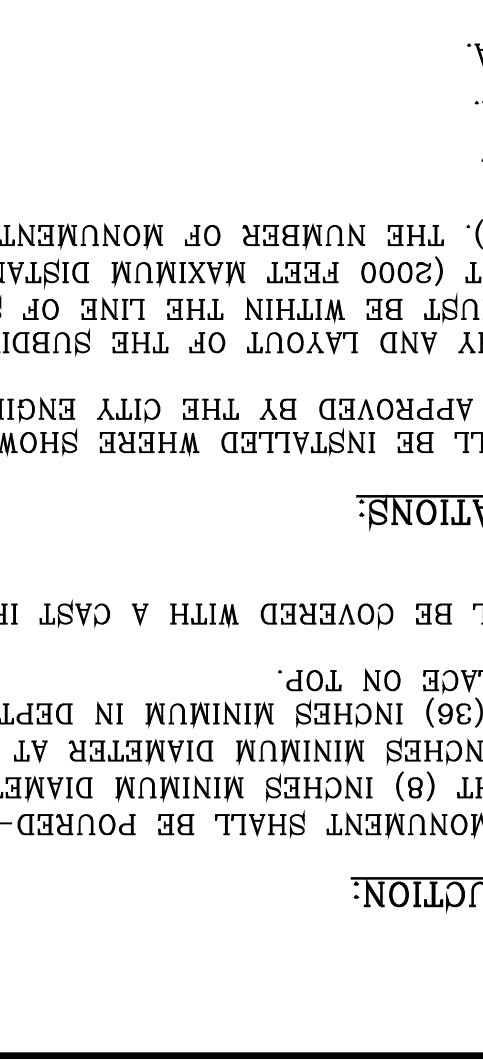
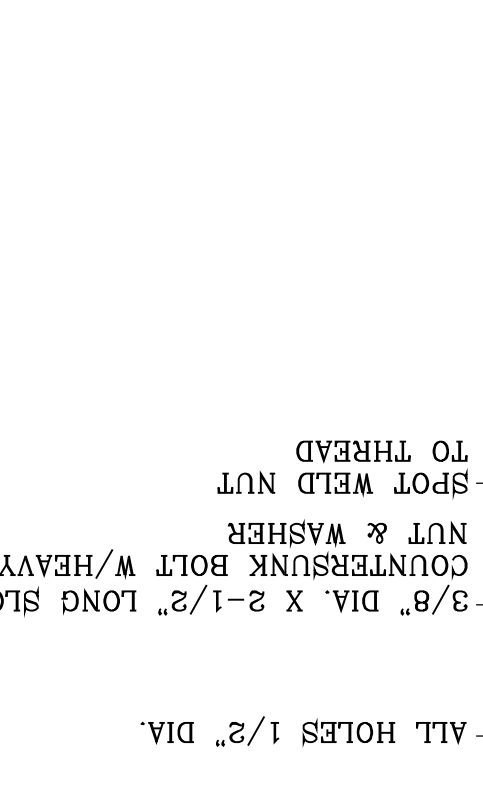
VISTA DEL NORTE ESTATES UNIT TWO
 PROJECT NAME

1/2" REBAR PANEL POINT FROM AERIAL TOP PROVIDED BY OTHERS. LOCATED 145°57' N 18°12' E 202 FEET FROM THE NORTHERN CORNER OF VISTA DEL NORTE 145°57' N 18°12' E 202 FEET FROM THE NORTHERN CORNER OF VISTA DEL NORTE ELEVATION: 4004.41 AND 10 FEET TO OBTAIN NAD 83 DATUM AS REFERENCED TO NOS CONTROL NE3 WITH COORDINATES OF NORTING: 107394918.66 EASTING: 4136860.75. NORTHERN DIVISION INTERSECTION POINT ON THE NORTHERN DIVISION INTERSECTION POINT.
 REVISIONS
 DATE 09/19/19 CITY REDLINES AS PER 05/06/19 COMMENTS F.R.
 DATE 11/18/20 CITY REDLINES AS PER 11/06/20 COMMENTS F.R.

VISTA DEL NORTE ESTATES UNIT TWO

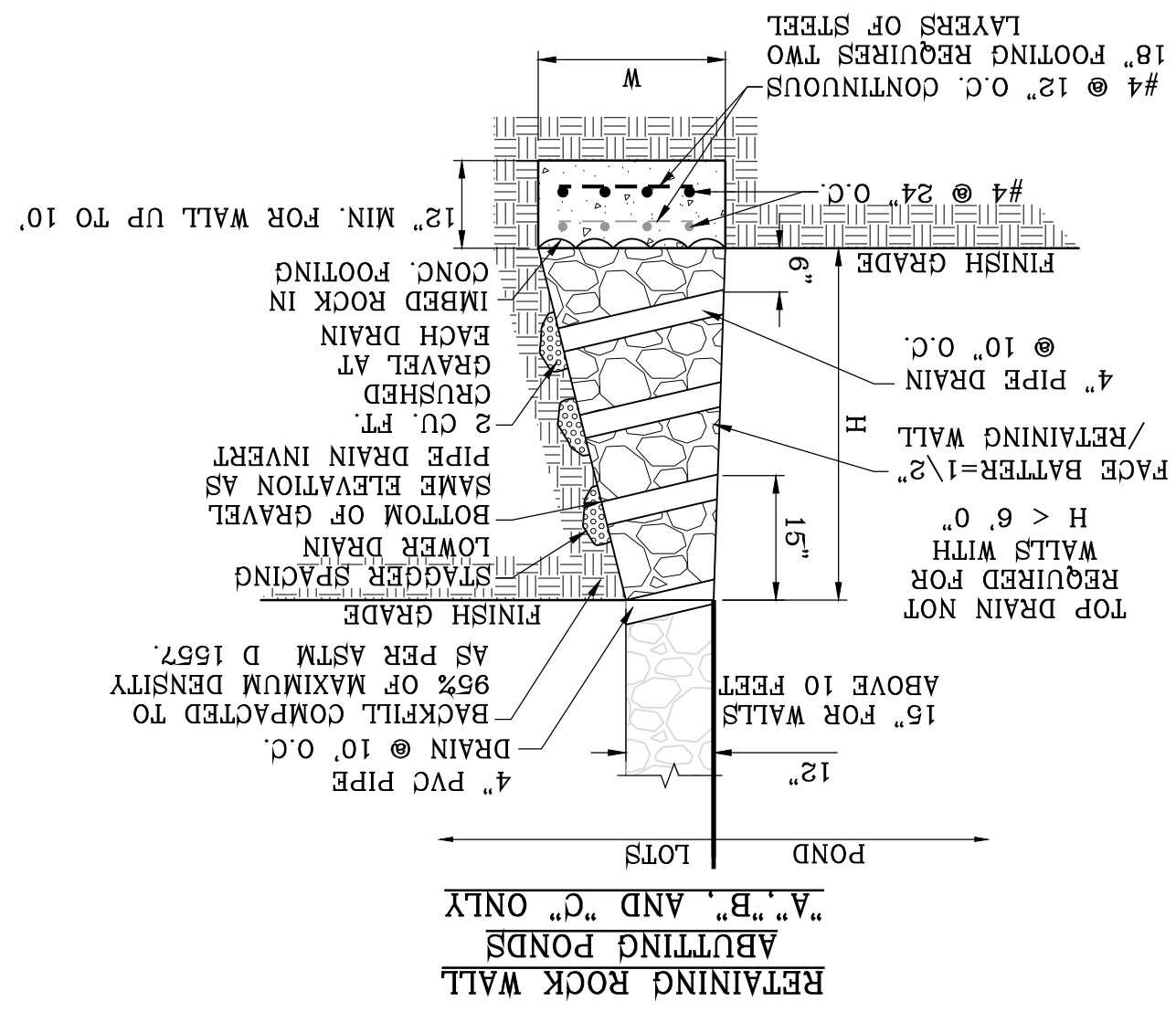


THE CITY OF EL PASO, TEXAS



| HEIGHT | BASE WIDTH | W (ft.) | H (ft.) | HEEL PRESSURE | HEEL PRESSURE (lbs/sq.ft.) |
|--------|------------|---------|---------|---------------|----------------------------|
| 3 | 2'-0" | 1200 | 33 | | |
| 4 | 2'-8" | 1361 | 77 | | |
| 6 | 3'-6" | 1600 | 172.6 | | |
| 6 | 4'-0" | 1928 | 121 | | |

RETAINING WALL DETAIL
SCALE: 1"=10'



BY Oscar Villalobos DATE 03/11/2022

VISTA DEL NORTE ESTATES UNIT TWO

SHT 73A OF 83

STANDARD DETAILS 3 SHEET TITLE



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6090 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

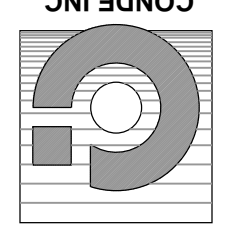


ENGINEER'S SEAL
S C A L E
HORIZ: _____
VERT: _____
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 90, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

| DATE | REVISIONS | BY |
|----------|---|------|
| 09/19/19 | 1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS. LOCATED N45°57'41.8" E 128.72 FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. ELEVATION=4004.41 ADD 10 FEET TO OBTAIN NVD. 88 DATUM AS REFERENCED TO NGS CONTROL. NED WITH COORDINATES OF NORTHING: 10734918.68 EASTING: 413680.73. NORTHEAST DIVER/ALROAD INTERCEPT PLANS. | F.R. |
| 11/18/20 | CITY REDLINES AS PER 05/06/19 COMMENTS | F.R. |
| | CITY REDLINES AS PER 11/06/20 COMMENTS | F.R. |

SHEET TITLE
CONDE INC.
REGISTRATION NO. F-2211



ENGINEERING / PLANNING
SURVEYING / GPS
6090 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



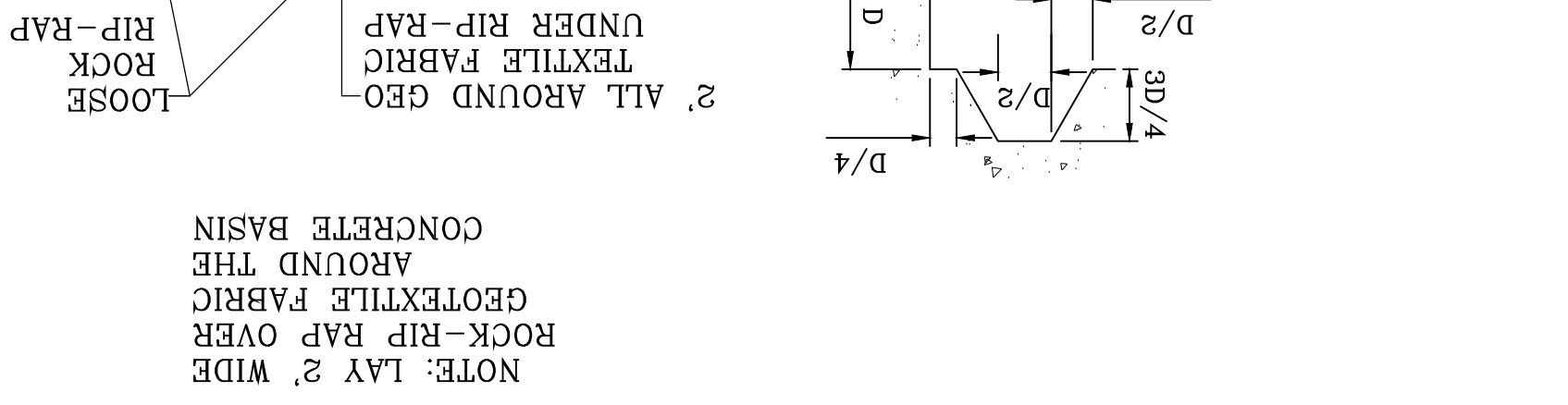
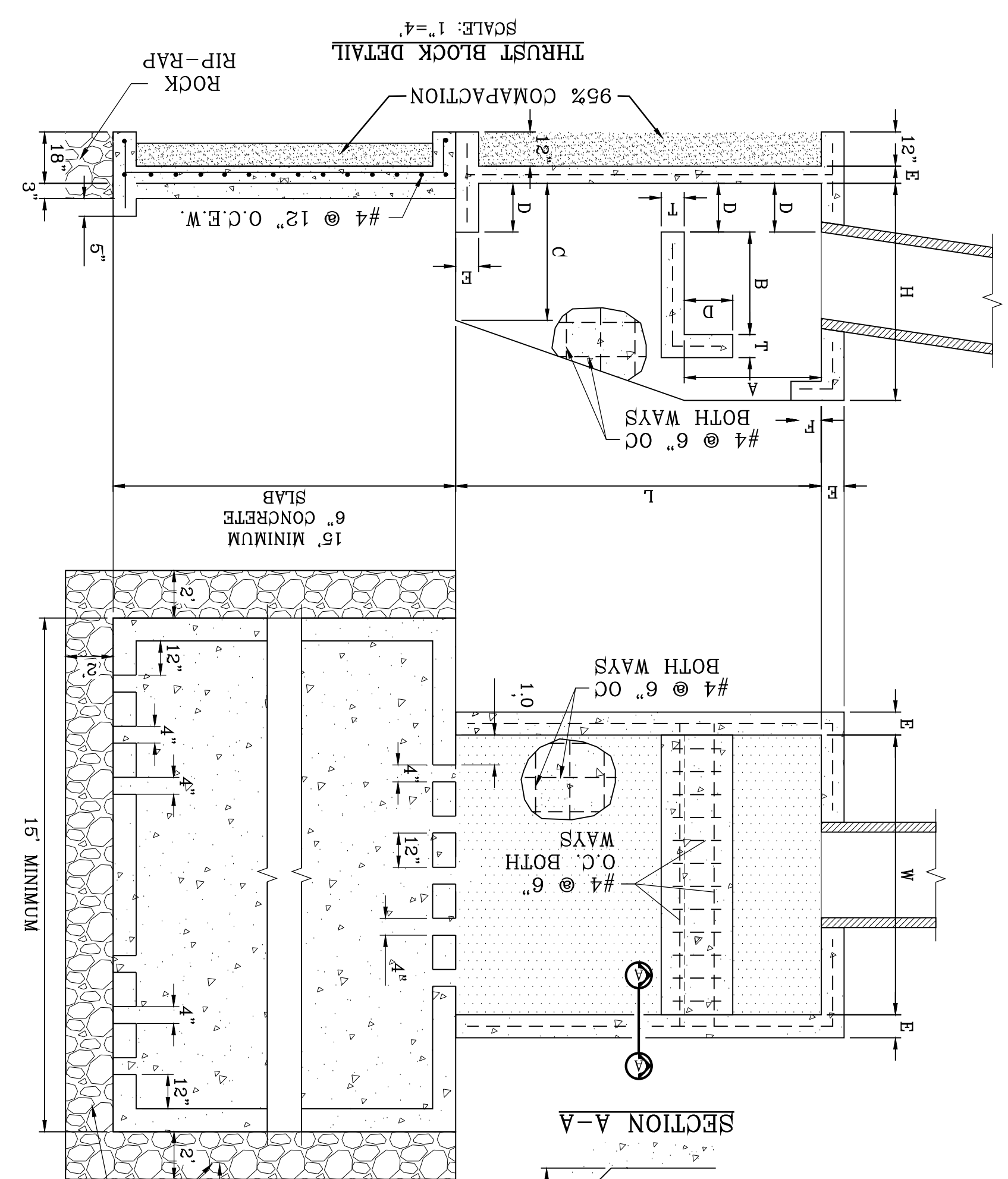
ENGINEER'S SEAL
SCALE
HORIZONTALS SHOWN
VERTICALS
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT
TWO

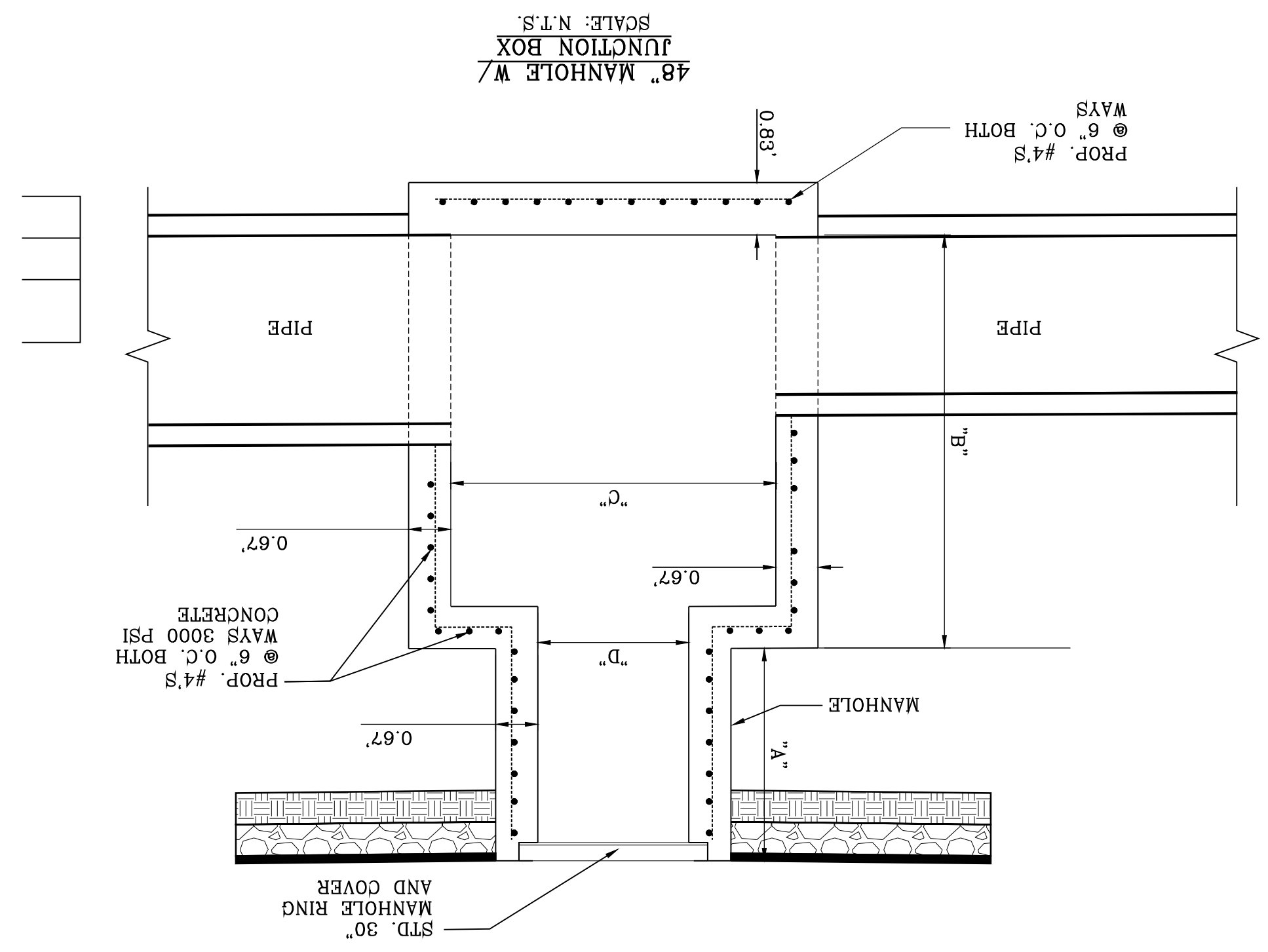
BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 90, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS COUNTY, TEXAS.
EL PASO COUNTY, TEXAS.
CONTAINING: 129.622± ACRES

BENCHMARK
1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS, LOCATED N45°57'18" E 126.72± FEET FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO, 10'± TO THE CENTER OF THE PANEL. ELEVATION=4004.41 AND 10'± FEET TO OBTAIN NAVD 88 DATUM AS REFERENCED TO NGS CONTROL NE3 WITH COORDINATES OF NORTHING: 10794918.66 EASTING: 41368075. NORTHWEST CORNER/ALIGNED INTERSECTION PLANS ON THE REVISIONS
09/19/19 CITY REDLINES AS PER 05/06/19 COMMENTS
02/10/21 EL PASO WATER REDLINES AS PER 01/22/21 F.R.

VISTA DEL NORTE ESTATES UNIT TWO



NOTE: LAY 2' WIDE ROCK-RIP RAP OVER GEOTEXTILE FABRIC AROUND THE CONCRETE BASIN

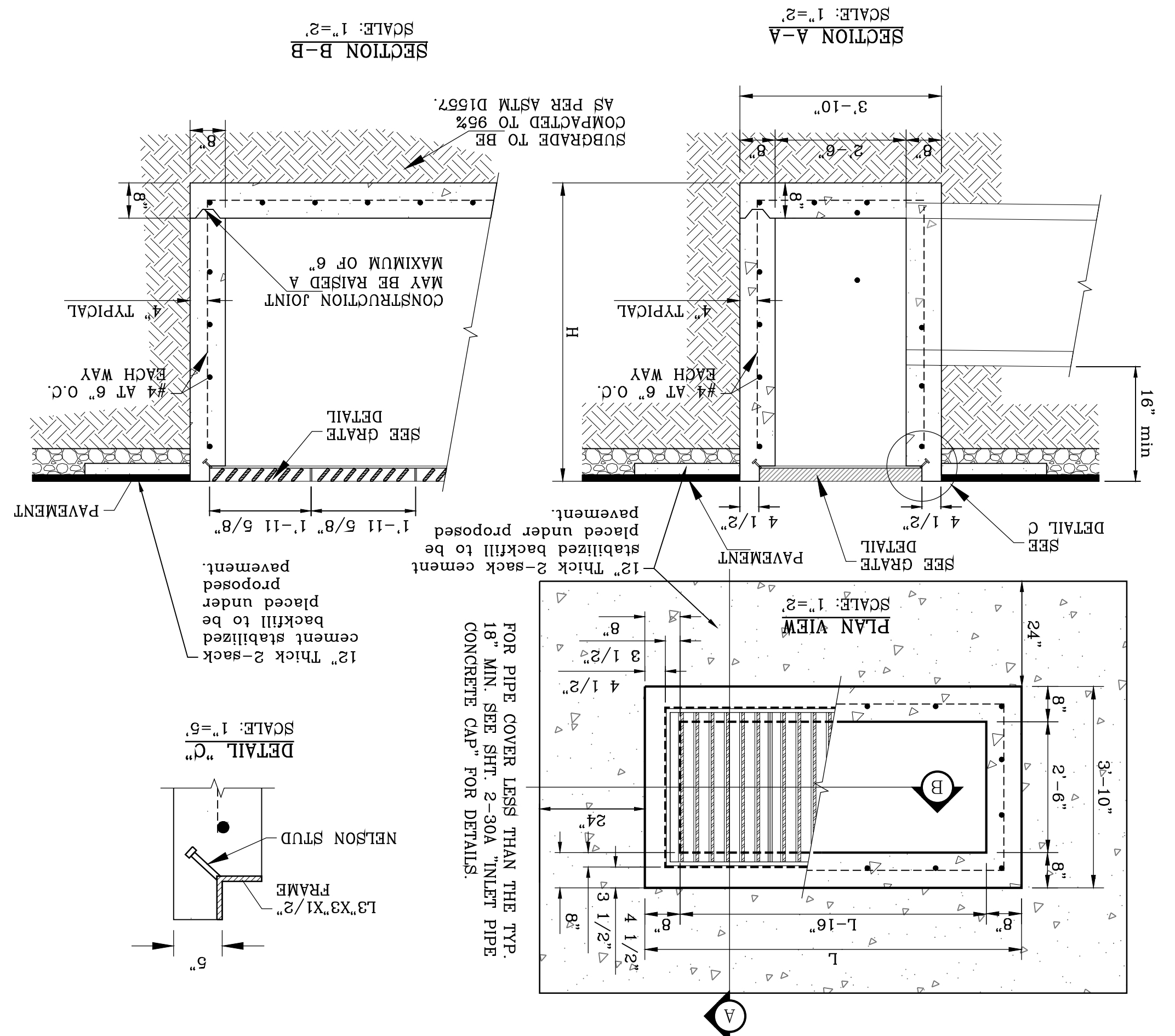


THRUST BLOCK DIMENSIONS

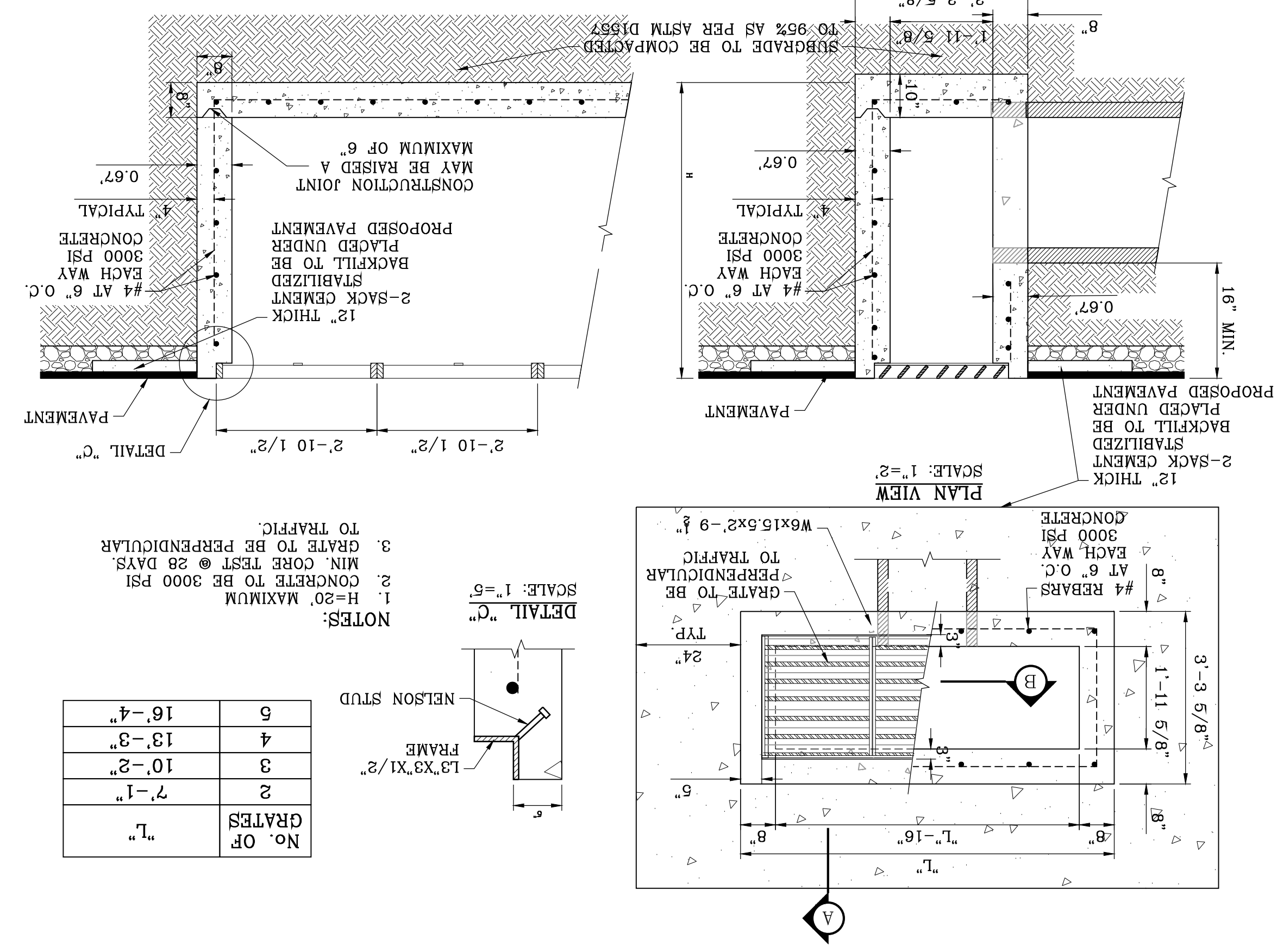
| PIPE SIZE | W | H | A | B | C | D | E | F |
|-----------|-------|-------|-------|-----|-------|-------|-----|-----|
| 24" | 6'-0" | 6'-0" | 3'-0" | 24" | 3'-0" | 1'-0" | 10" | 8" |
| 30" | 6'-6" | 6'-0" | 3'-0" | 24" | 3'-0" | 1'-0" | 10" | 8" |
| 36" | 7'-0" | 7'-0" | 3'-6" | 36" | 3'-6" | 1'-0" | 10" | 10" |
| 42" | 7'-6" | 7'-6" | 3'-9" | 42" | 3'-9" | 1'-0" | 10" | 10" |
| 48" | 8'-0" | 8'-0" | 4'-0" | 48" | 4'-0" | 1'-0" | 10" | 10" |
| 54" | 8'-6" | 8'-6" | 4'-3" | 54" | 4'-3" | 1'-0" | 10" | 12" |
| 60" | 9'-0" | 9'-0" | 4'-6" | 60" | 4'-6" | 1'-0" | 10" | 12" |

NOTE: HEIGHT & LENGTH MAY BE FIELD ADJUSTED TO ACCOMMODATE ADJACENT SLOPES.

TYPE III INLET



TYPE II INLET MODIFIED



DETAIL 'C'

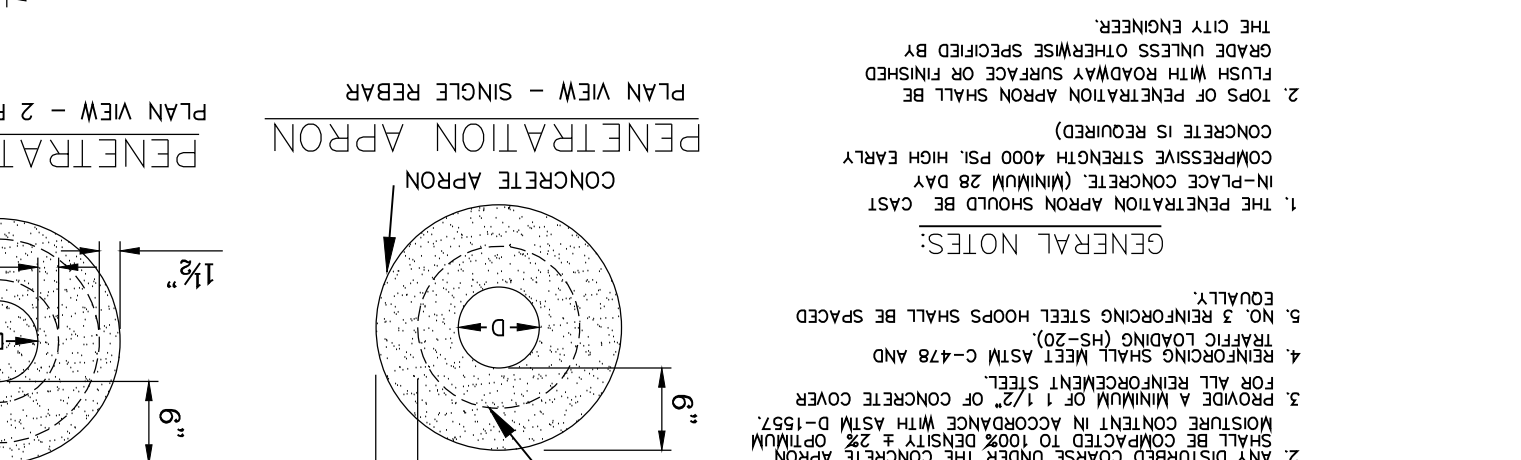
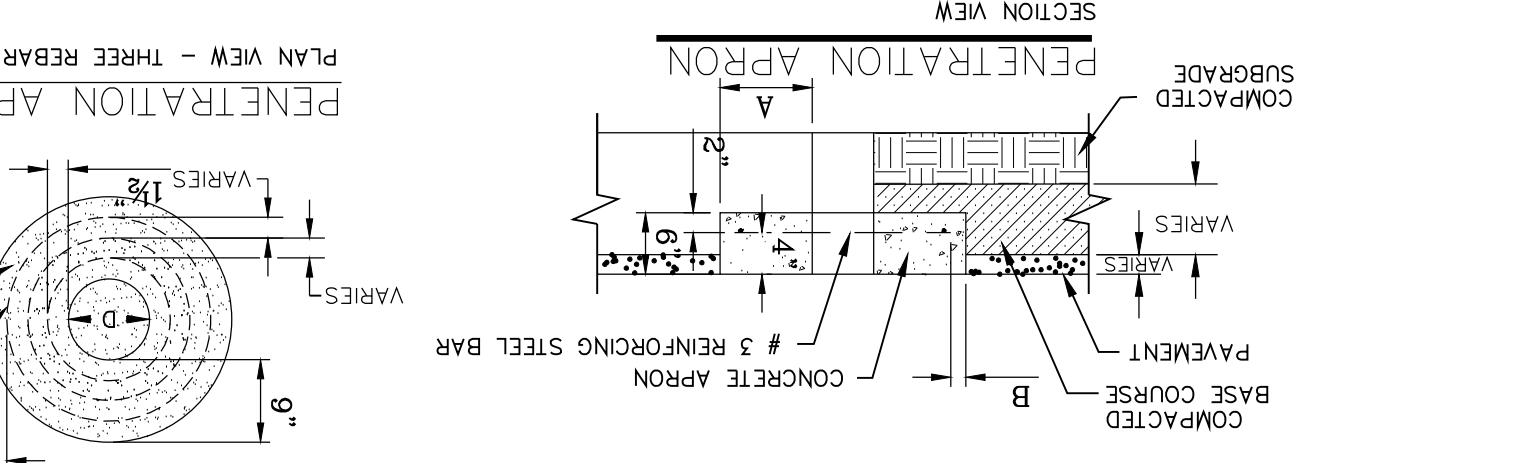
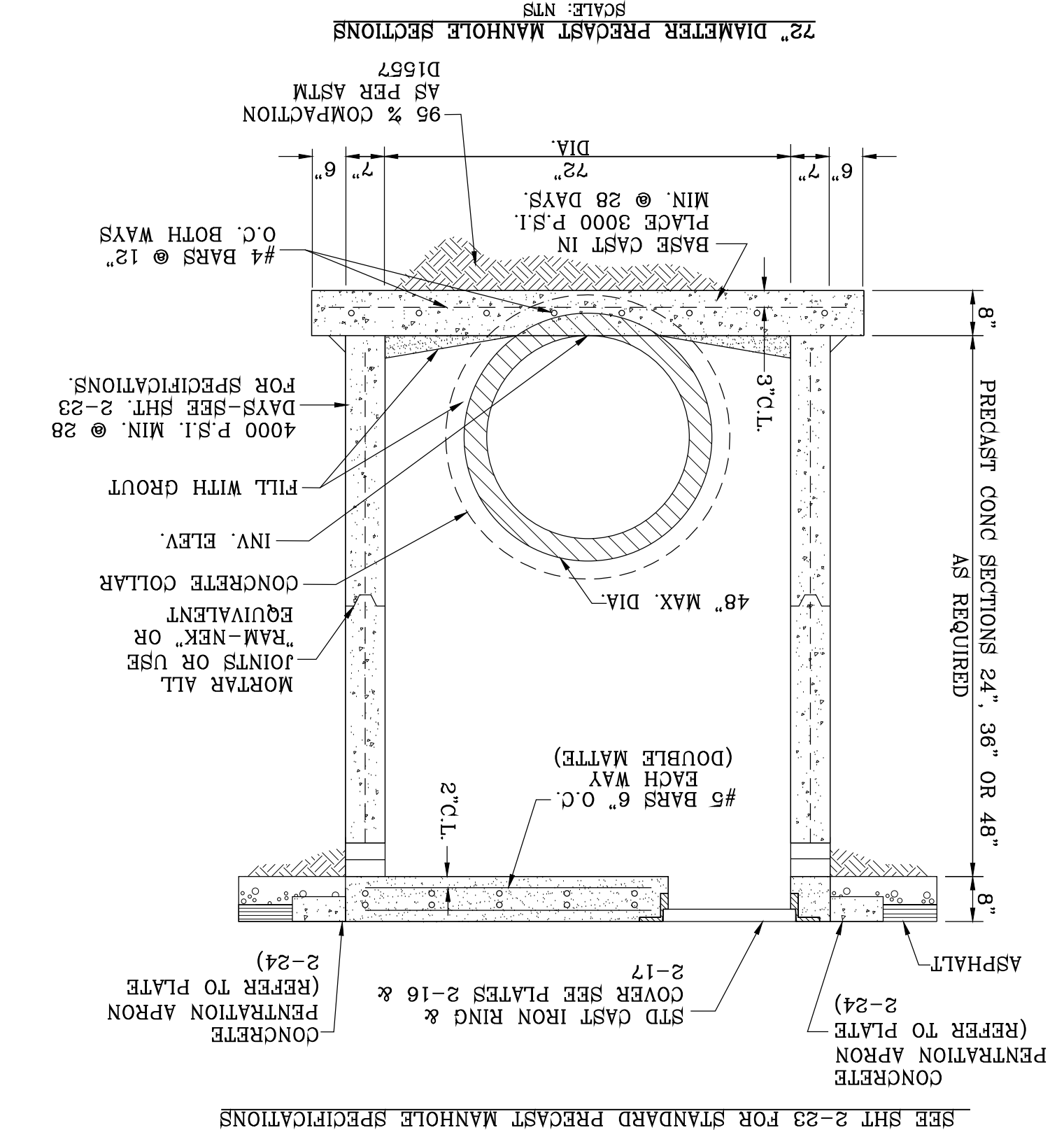
| NO. OF GRATES | FRAME | NELSON STUD |
|---------------|--------|-------------|
| 2 | 7'-1" | |
| 3 | 10'-2" | |
| 4 | 13'-3" | |
| 6 | 16'-4" | |

NOTES:
1. H=20" MAXIMUM
2. MIN. CORE TEST @ 28 DAYS
3. GRATE TO BE PERPENDICULAR TO TRAFFIC.



BY Oscar Villalobos
DATE 03/11/2022

DATE: 03/11/2022
BY: Oscar Villalobos



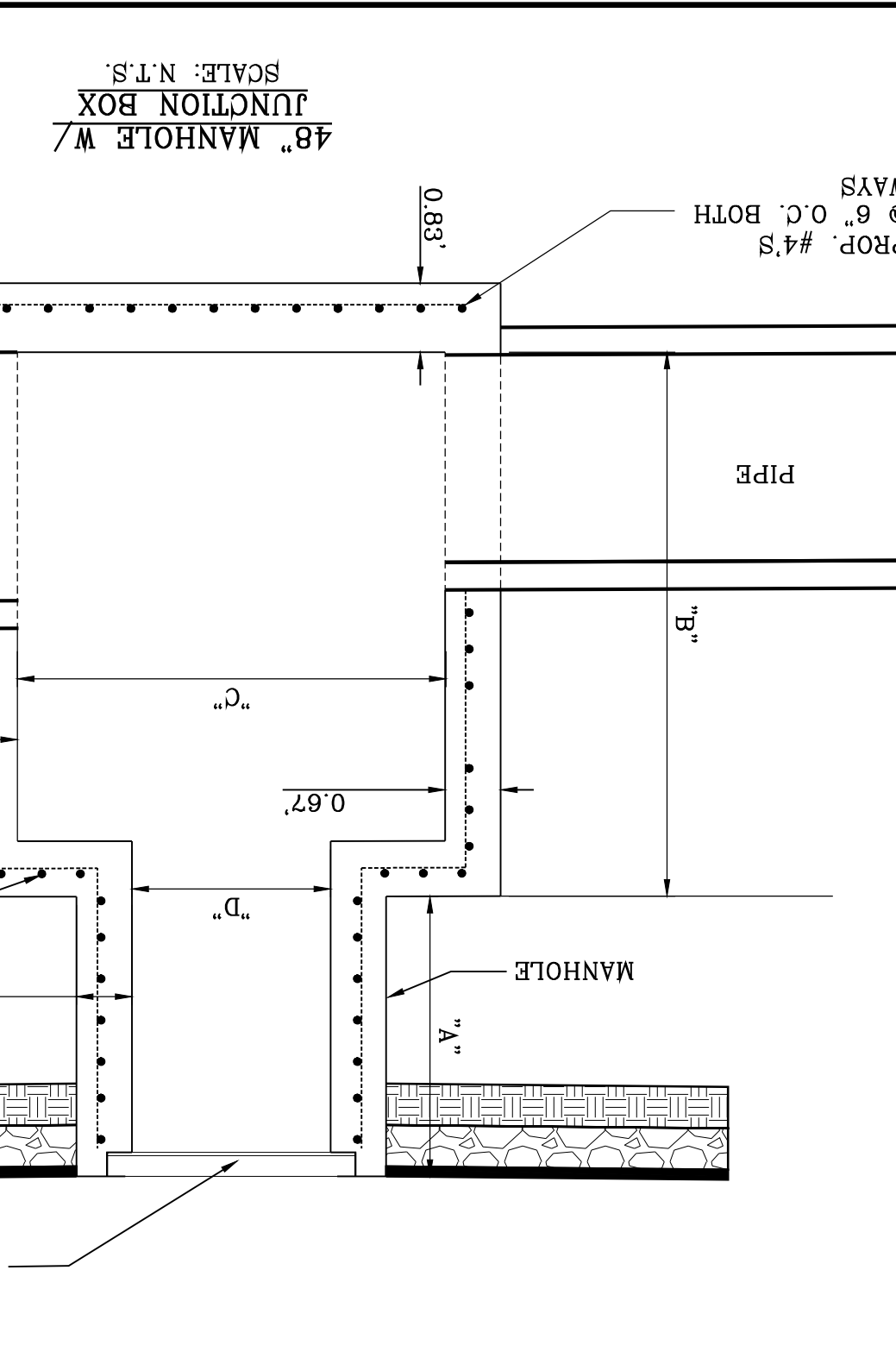
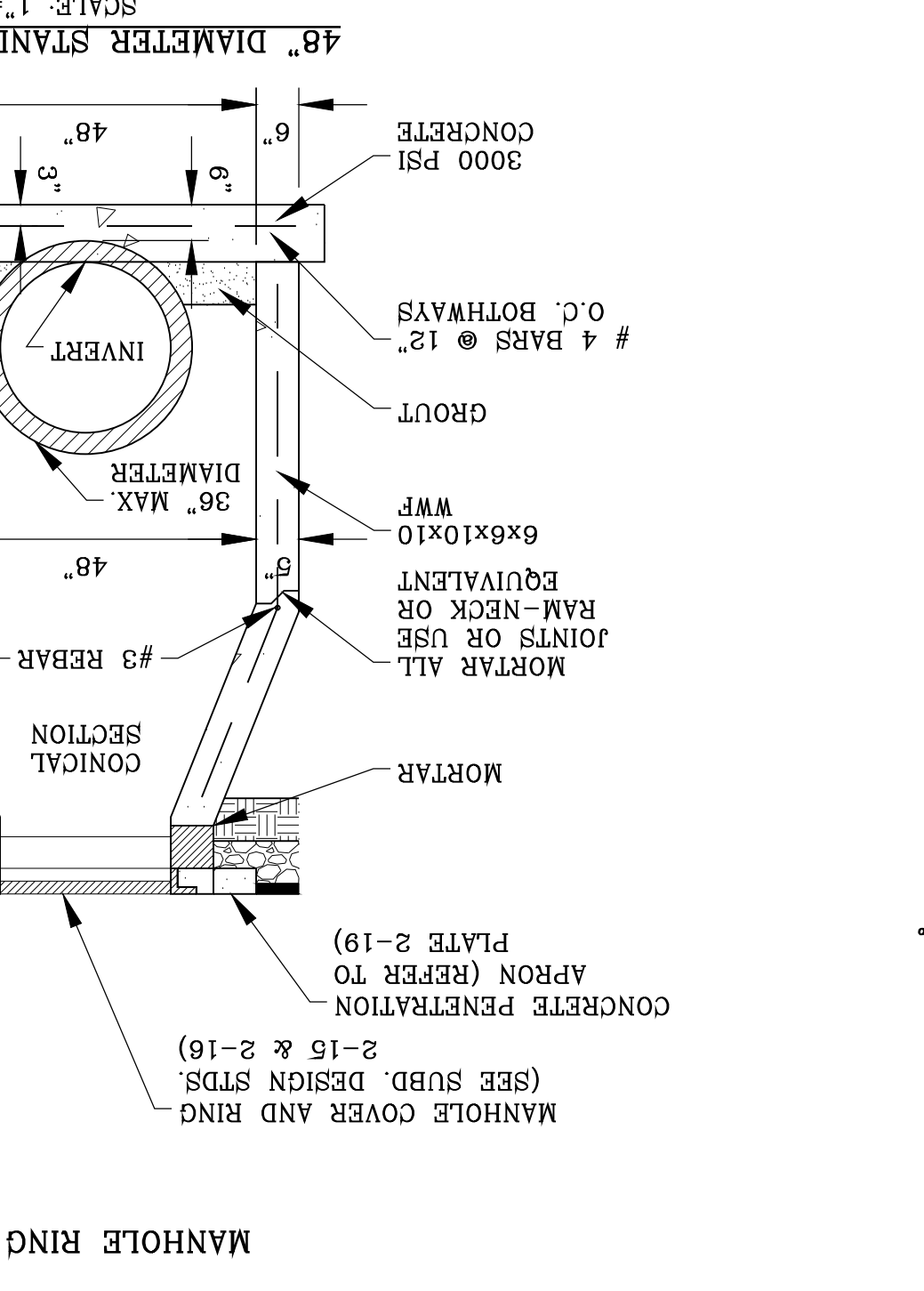
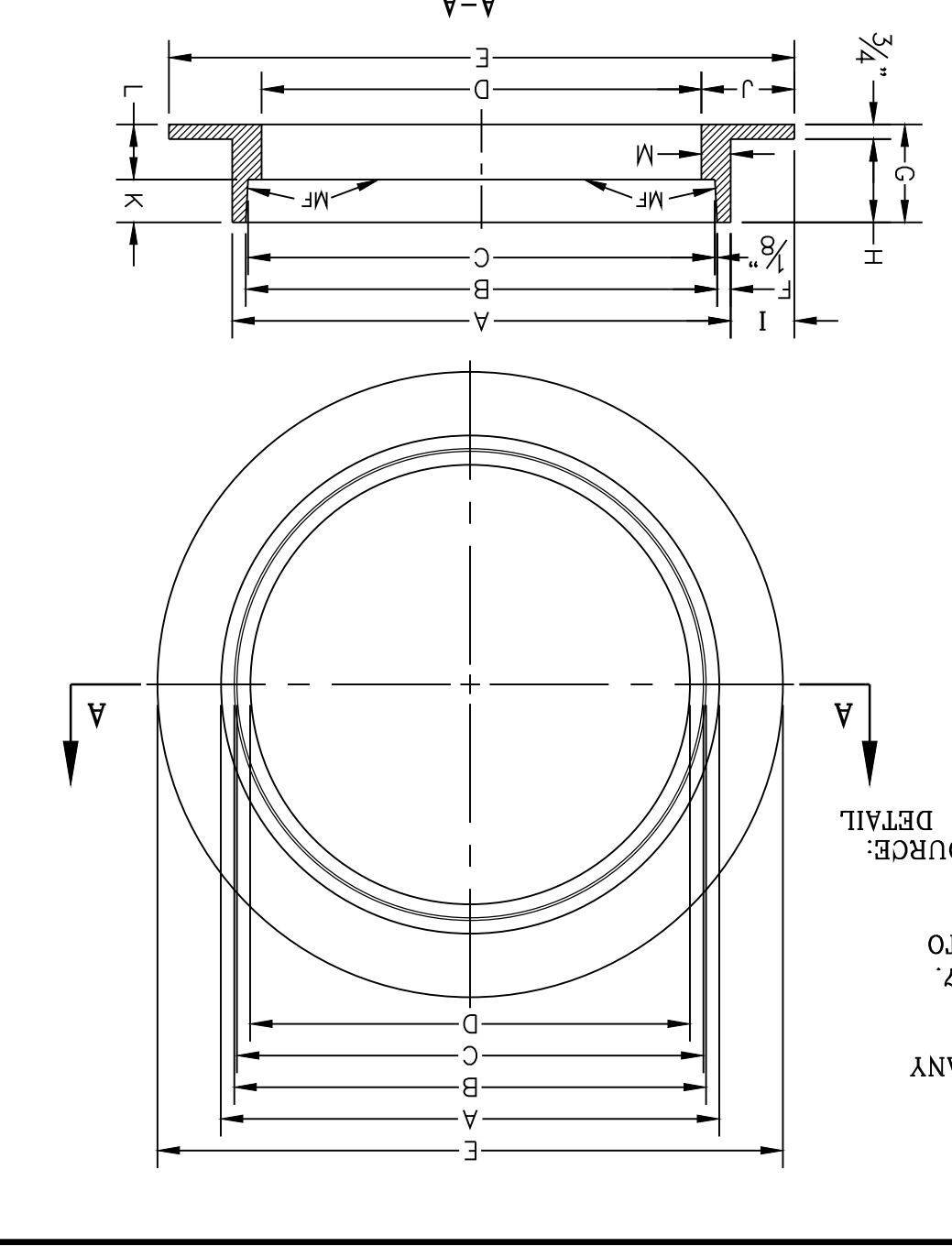
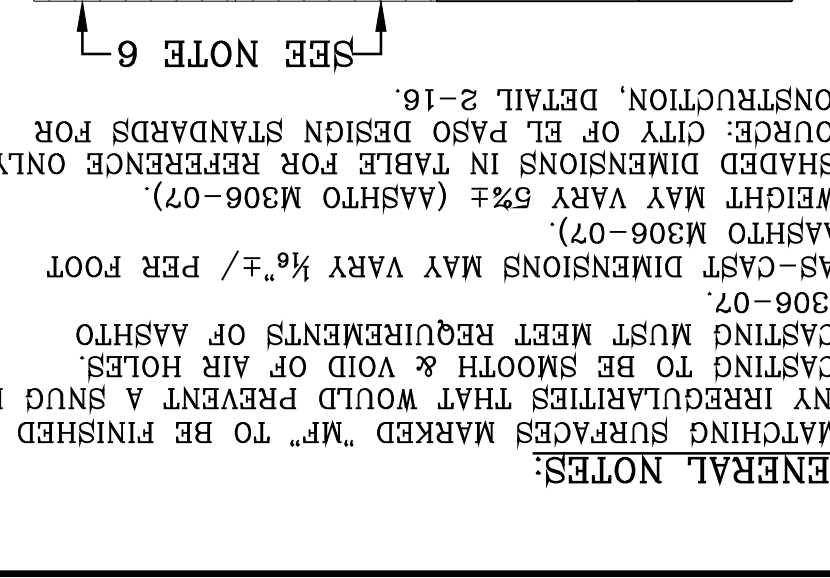
CONCRETE APRON FOR CIRCULAR PENETRATIONS IN ASPHALT PAVEMENTS

| "D" DIAMETER OF PENETRATION (INCHES) | REINFORCING STEEL CLEARANCE FROM EDGE OF CONCRETE APRON (INCHES) | "B" MINIMUM NUMBER OF NO. 3 REINFORCING STEEL BARS (INCHES) | "C" MINIMUM REBAR CENTER OF NEAREST PENETRATION TO CENTER OF NEAREST REBAR (INCHES) |
|--------------------------------------|--|---|---|
| 18.01 AND OVER | 12 | 3 | 1 1/2 |
| 07.0 TO 18.01 | 8 | 2 | 1 1/2 |
| 6.01 TO 07.0 | 6 | 1 | 1 1/2 |
| 0.01 TO 6.01 | 4 | 1 | 1 1/2 |

GENERAL NOTES:
 1. THE PENETRATION APRON SHOULD BE CAST IN PLACE CONCRETE. MINIMUM 28 COMPRESSIVE STRENGTH 4000 PSI, HIGH EARLY SET CONCRETE IS REQUIRED.
 2. ALL CASTING MUST BE FINISHED TO PREVENT A SMOOTH & VOID OF AIR HOLES.
 3. CASTING MUST MEET REQUIREMENTS OF ASHTO M306-07.
 4. AS-CAST DIMENSIONS MAY VARY 1/8" +/- PER FOOT.
 5. WEIGHT MAY VARY 5%± (ASHTO M306-07).
 6. SHADDED DIMENSIONS IN TABLE FOR REFERENCE ONLY. SOURCE: CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION, DETAIL 2-17.

MANHOLE - MANHOLE RING WEIGHT TABLE

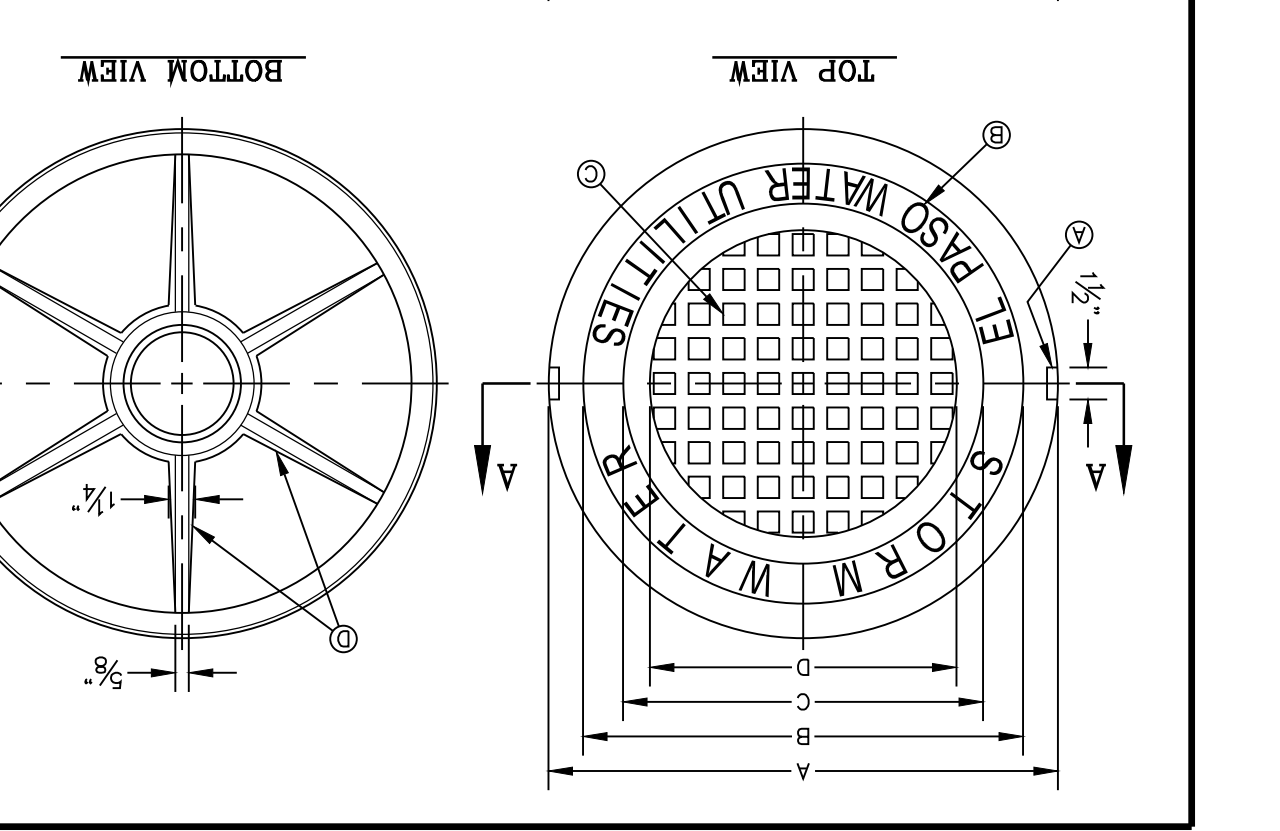
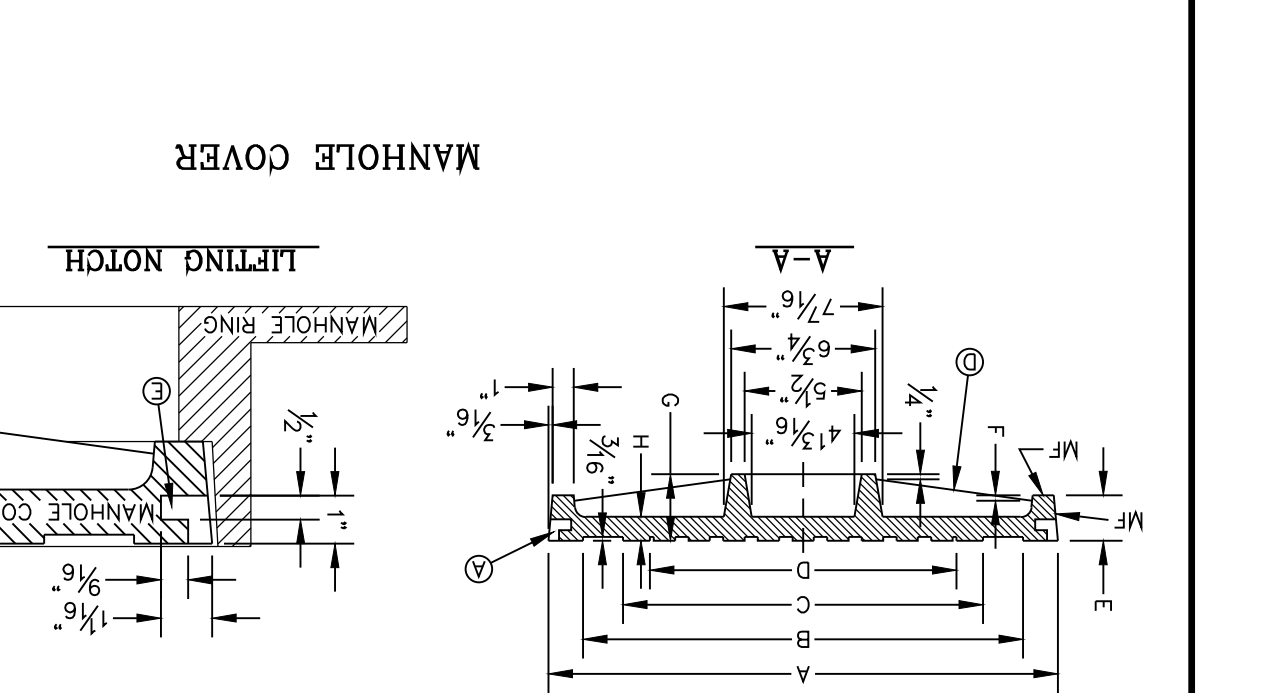
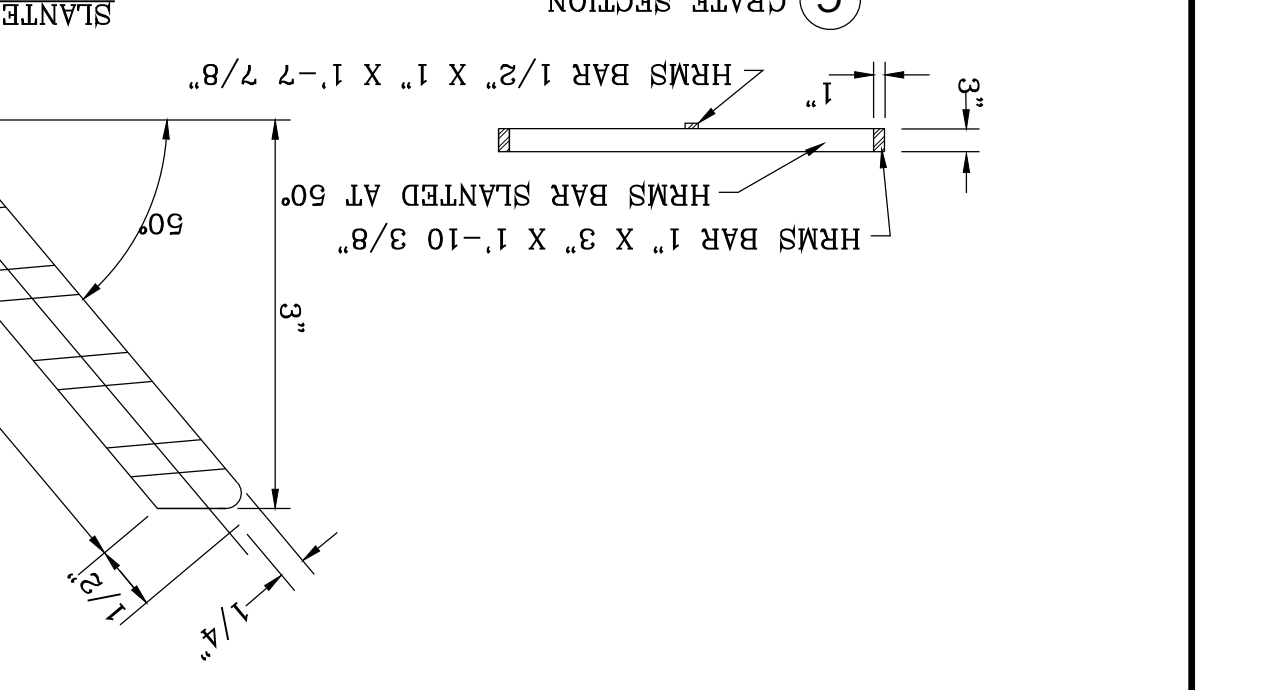
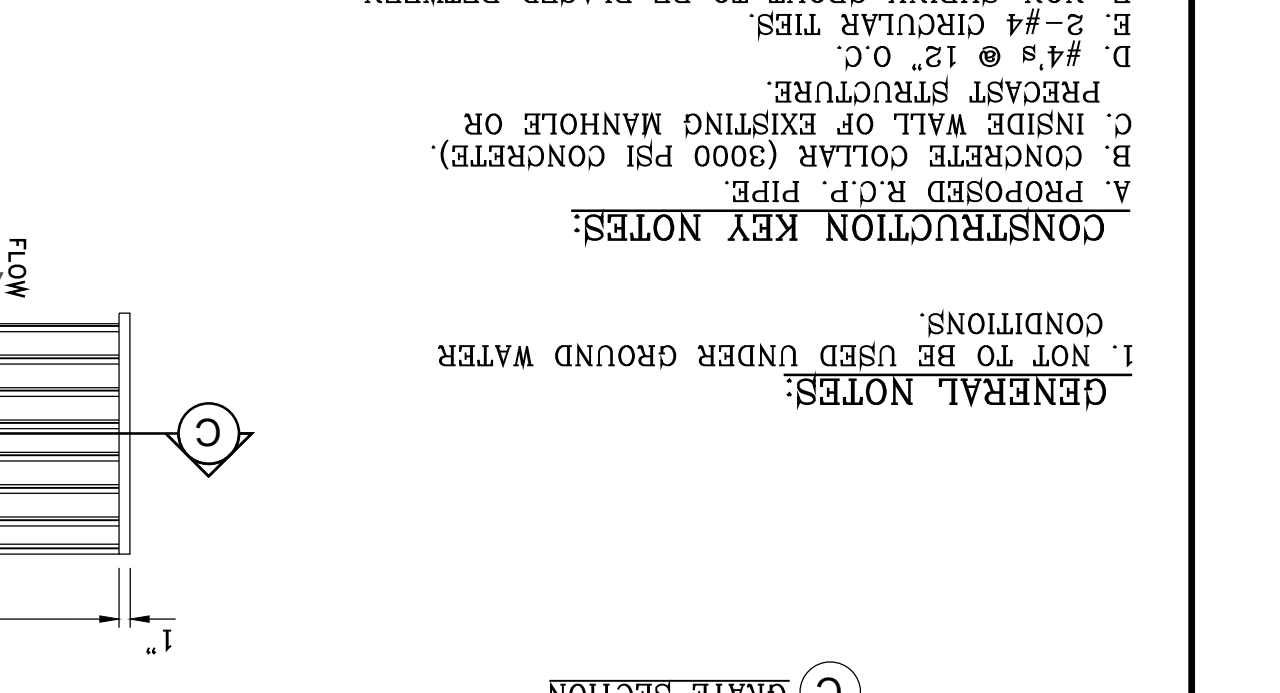
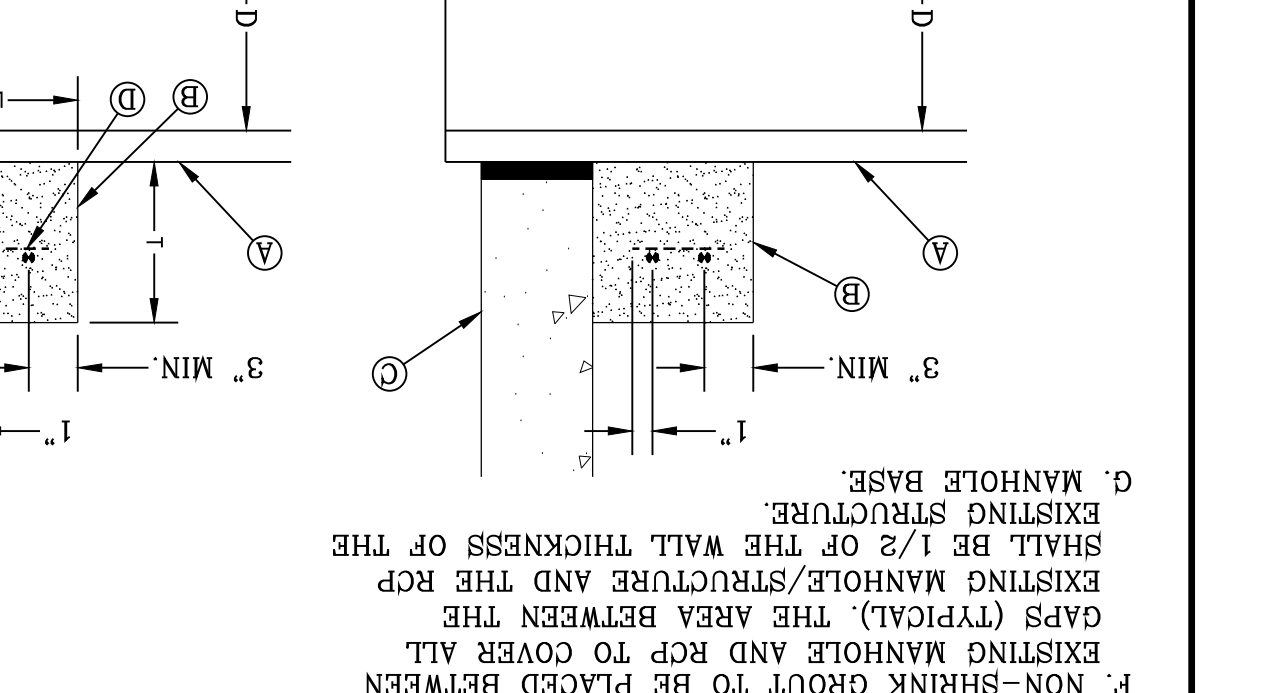
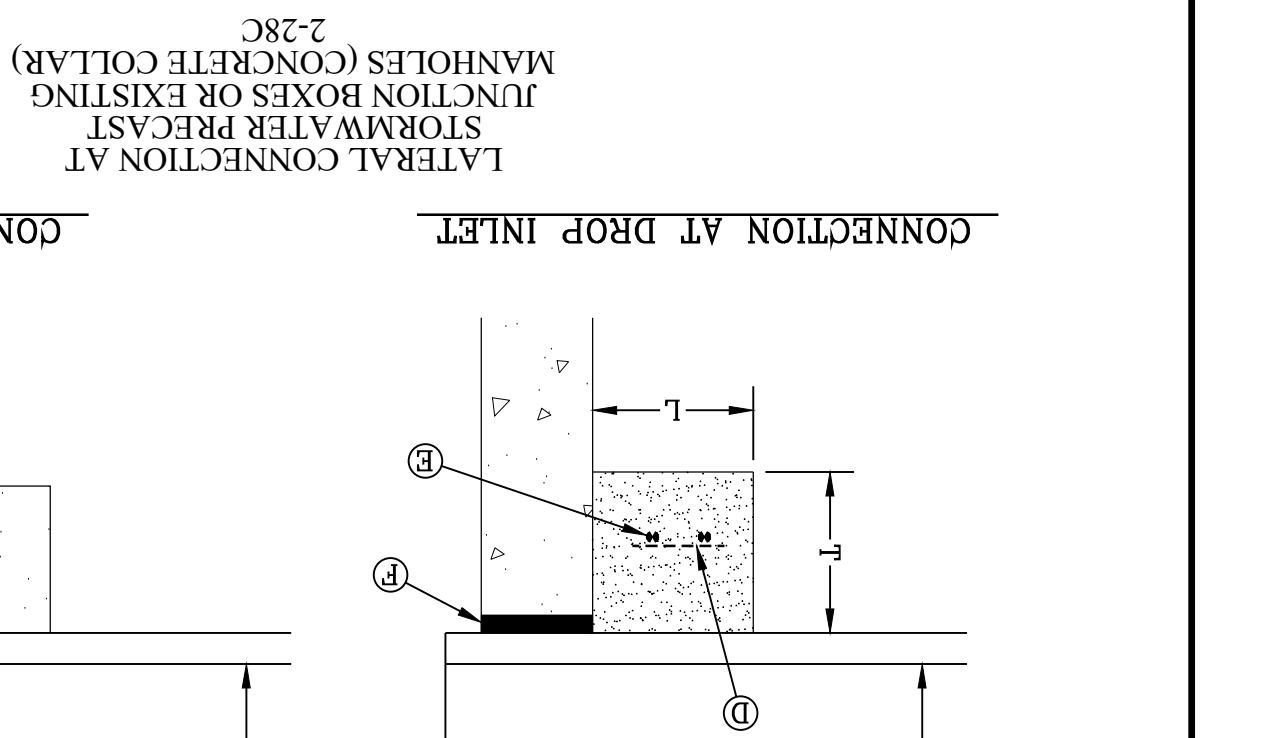
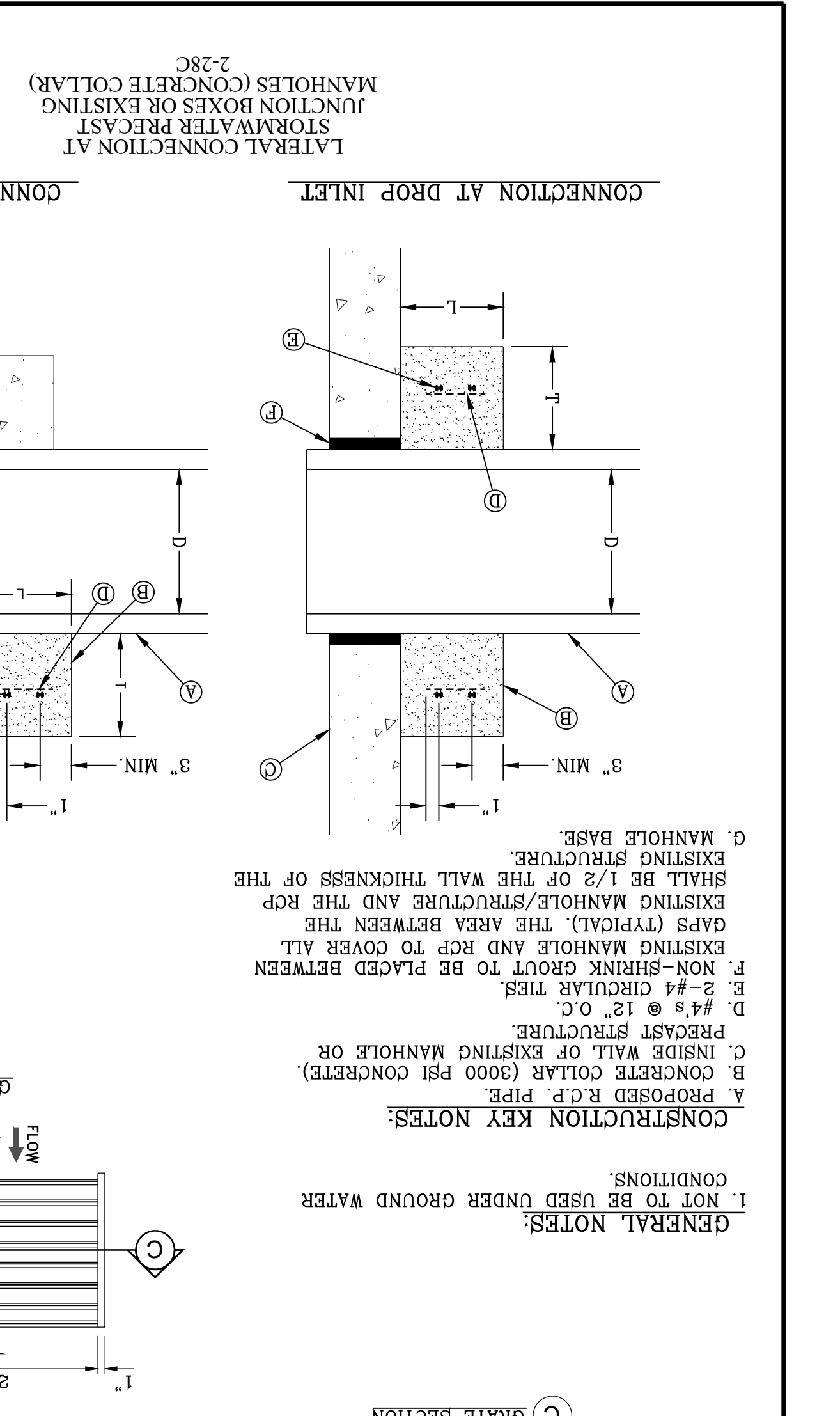
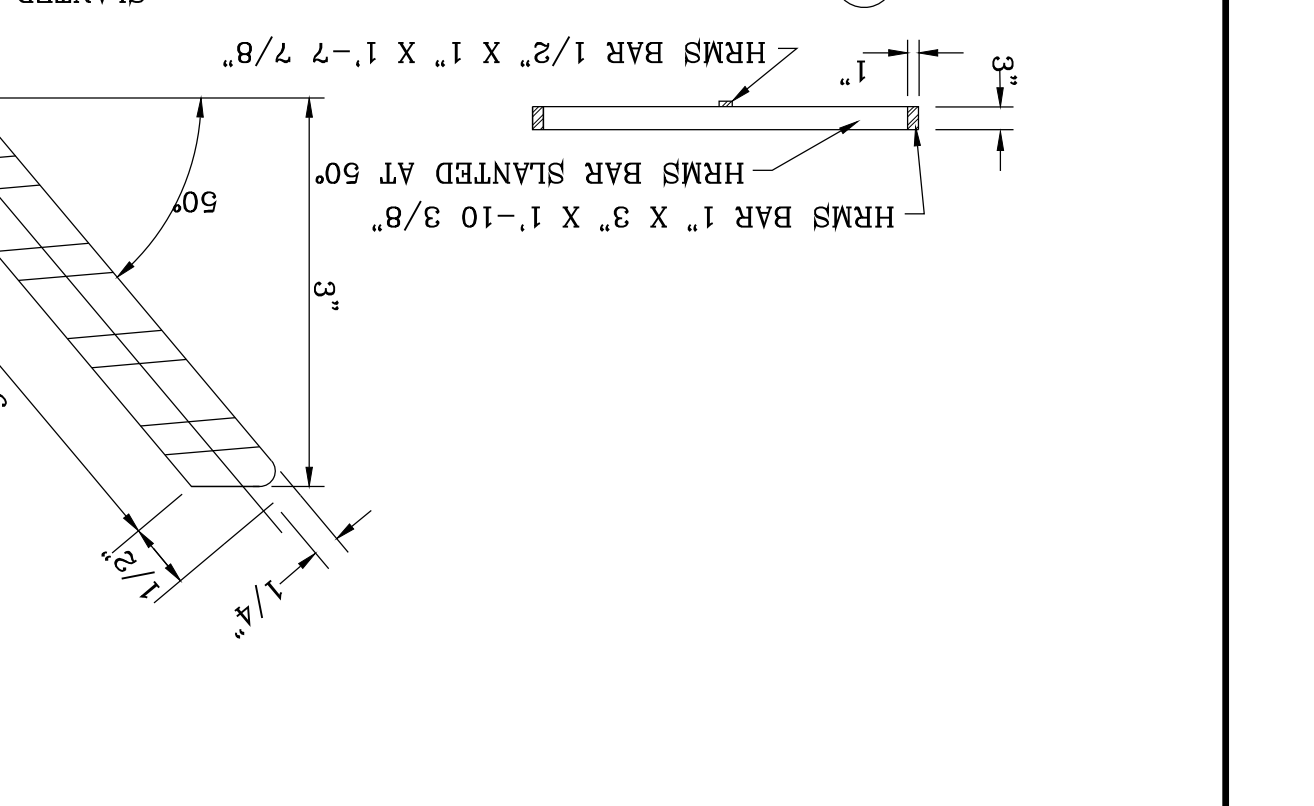
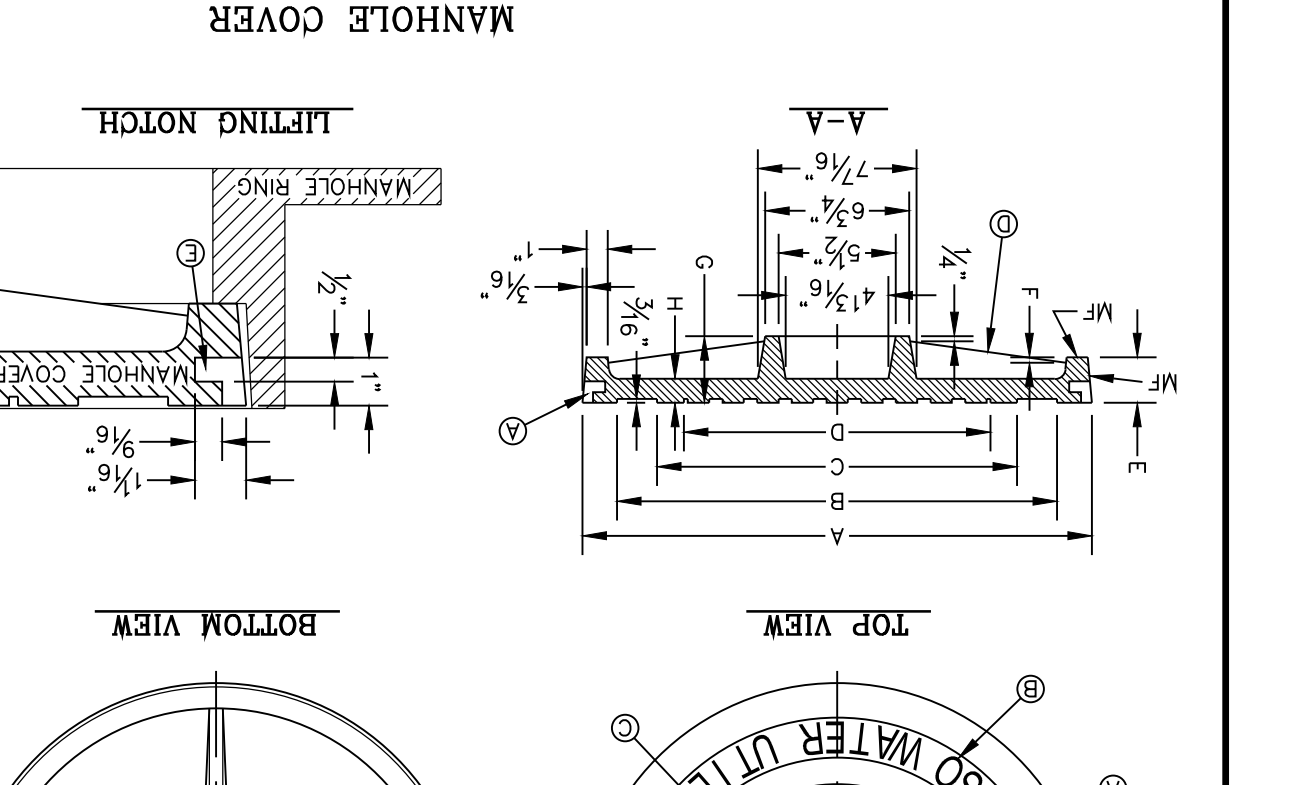
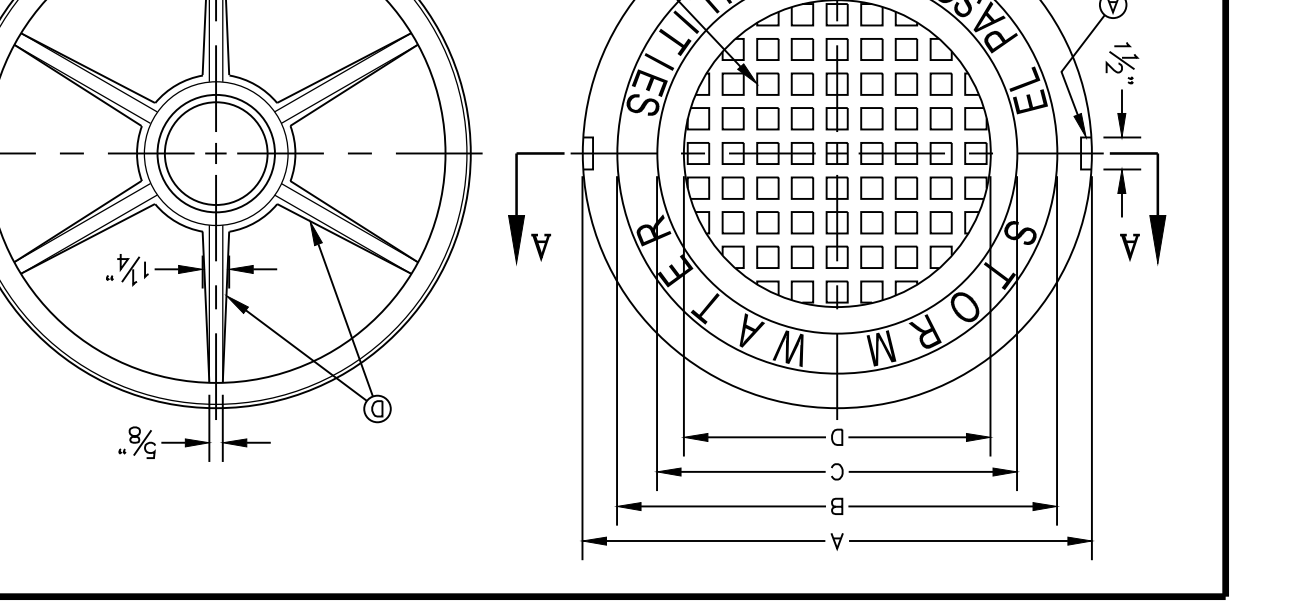
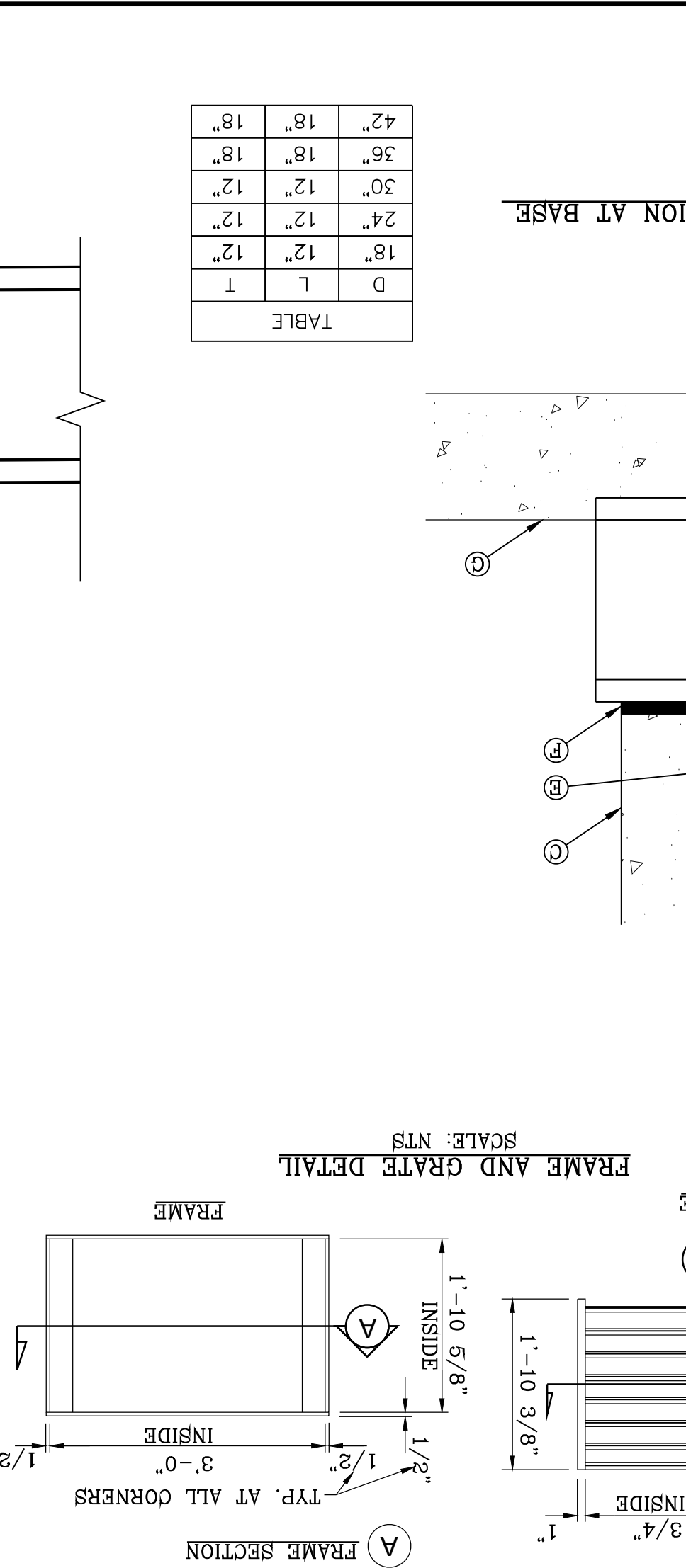
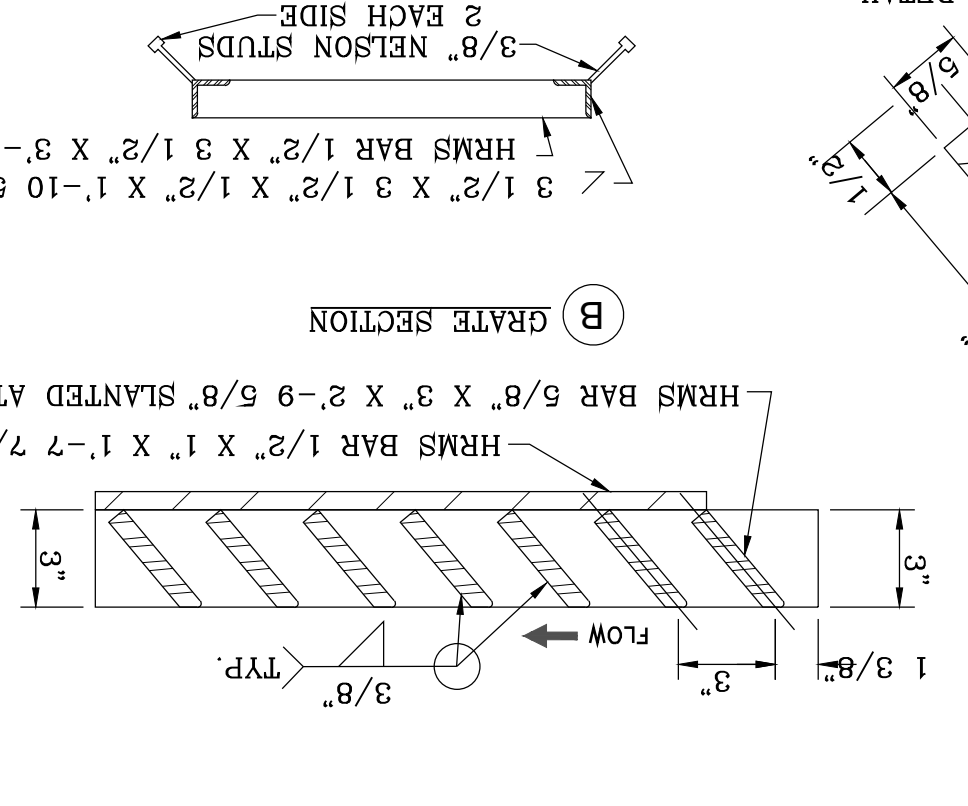
| MANHOLE RING TYPE | WEIGHT (LBS.) | MANHOLE RING TYPE | WEIGHT (LBS.) |
|-------------------|---------------|-------------------|---------------|
| A | 33 | L | 213.6 |
| B | 31.3 | M | 185 |
| C | 31.1 | N | 225 |
| D | 30 | | |
| E | 29.3 | | |
| F | 28.3 | | |
| G | 27.6 | | |
| H | 27.6 | | |
| I | 27.6 | | |
| J | 27.6 | | |
| K | 27.6 | | |
| L | 213.6 | | |
| M | 185 | | |



GENERAL NOTES:
 1. MATCHING SURFACES MARKED "M" TO BE FINISHED OF CONSTRUCTION.
 2. CASTING TO BE SMOOTH & VOID OF AIR HOLES.
 3. CASTING MUST MEET REQUIREMENTS OF ASHTO M306-07.
 4. AS-CAST DIMENSIONS MAY VARY 1/8" +/- PER FOOT.
 5. WEIGHT MAY VARY 5%± (ASHTO M306-07).
 6. SHADDED DIMENSIONS IN TABLE FOR REFERENCE ONLY. SOURCE: CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION, DETAIL 2-17.

MANHOLE MANHOLE - ALL TYPES

| MANHOLE MANHOLE - ALL TYPES | WEIGHT (LBS.) | MANHOLE MANHOLE - ALL TYPES | WEIGHT (LBS.) |
|-----------------------------|---------------|-----------------------------|---------------|
| A | 31 | H | 1 |
| B | 28.3 | I | 1 |
| C | 24.3 | J | 1 |
| D | 21.7 | K | 1 |
| E | 20.3 | L | 1 |
| F | 19.6 | M | 1 |
| G | 17.5 | N | 1 |
| H | 17.5 | | |



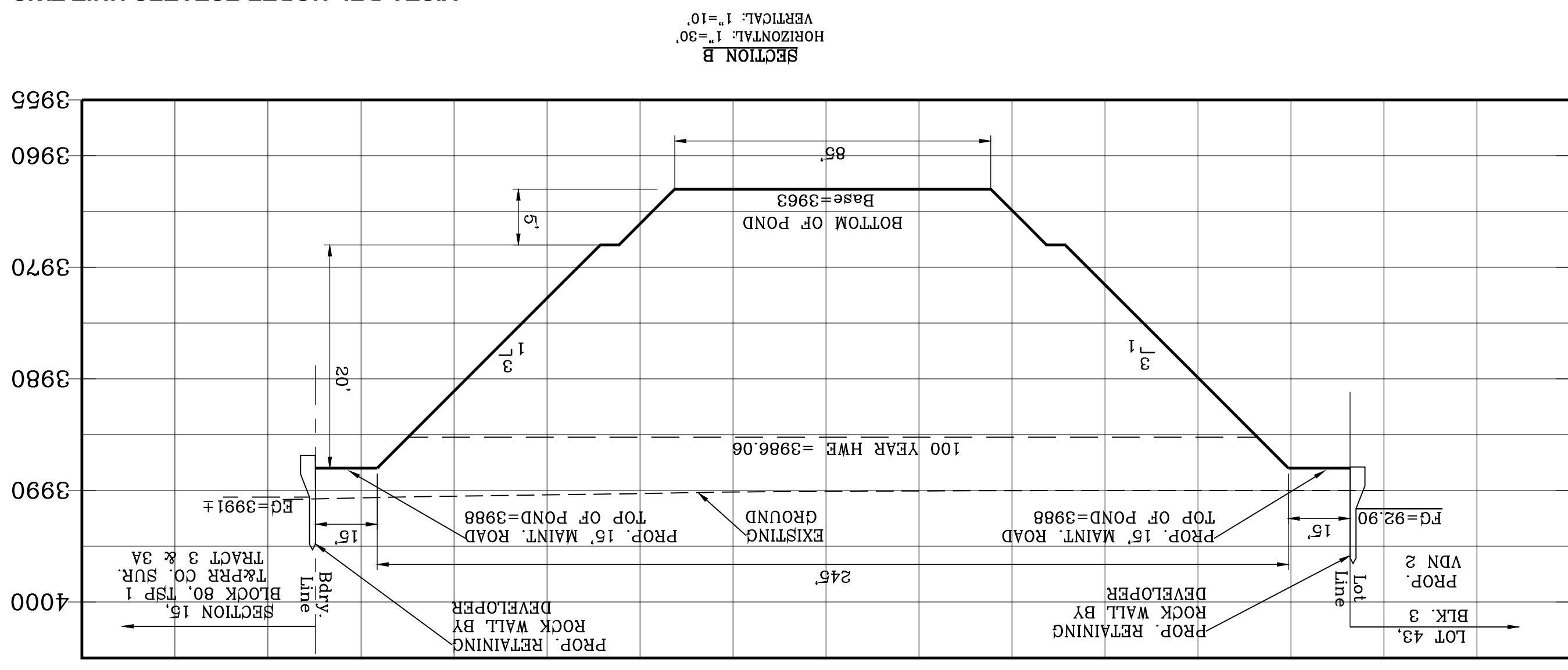
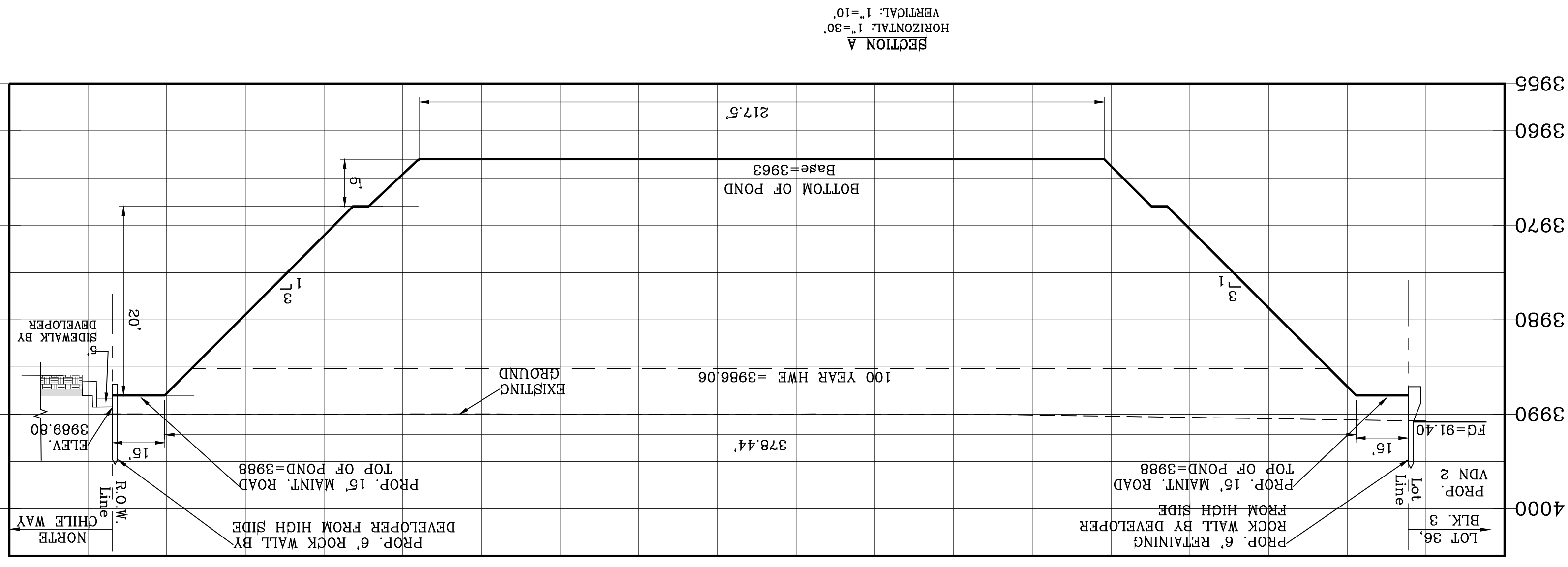
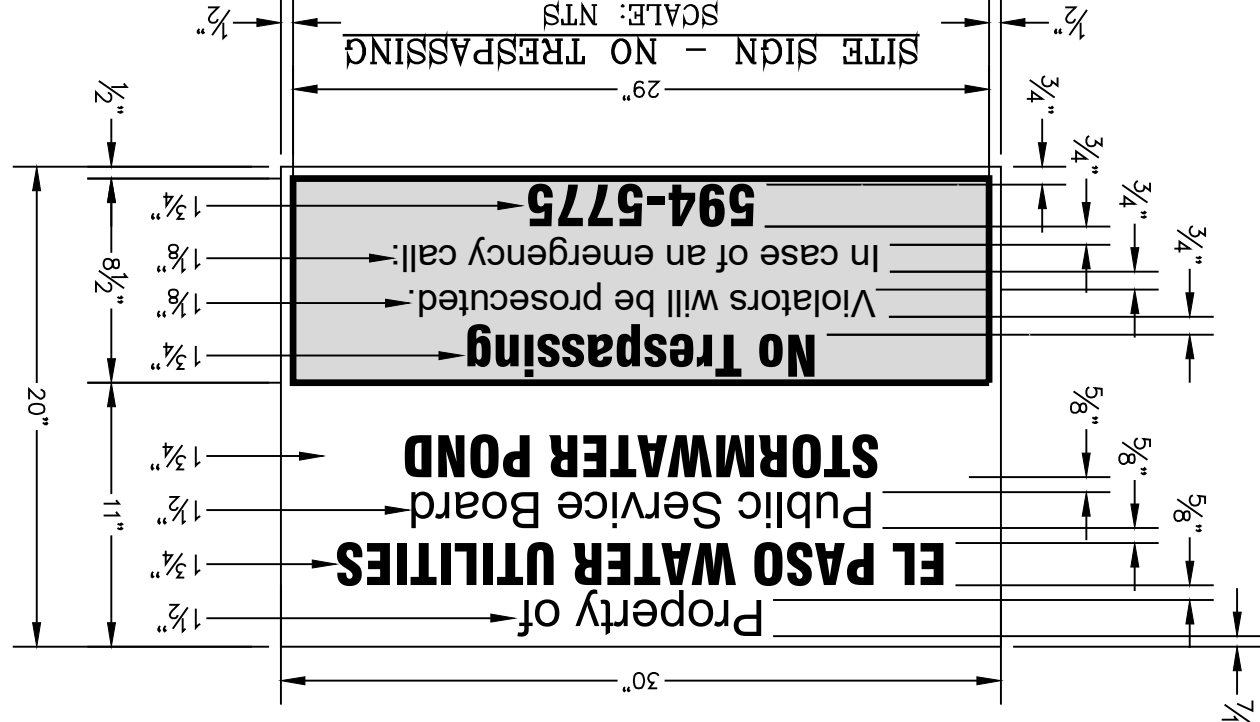
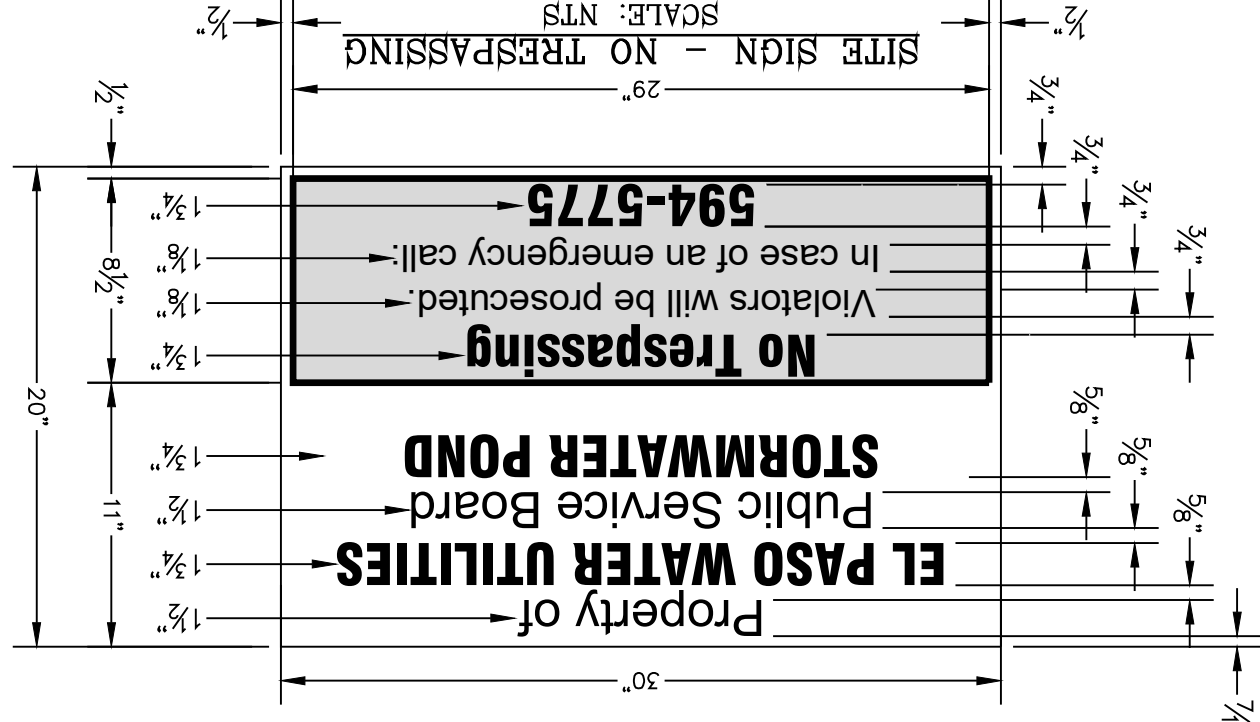
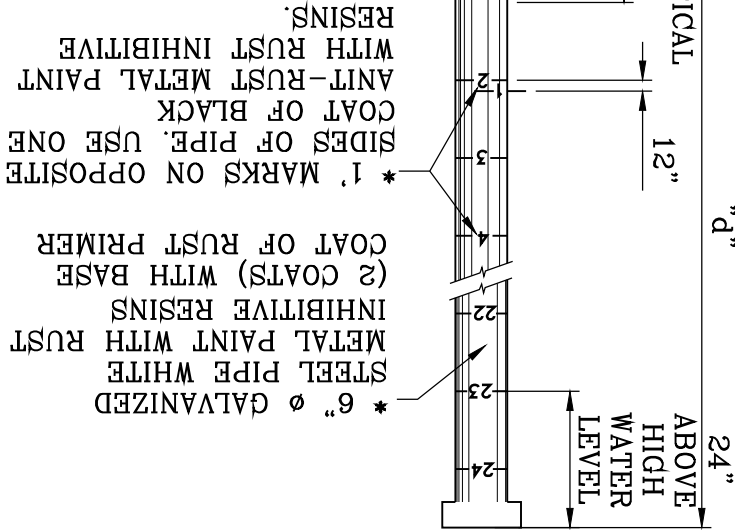
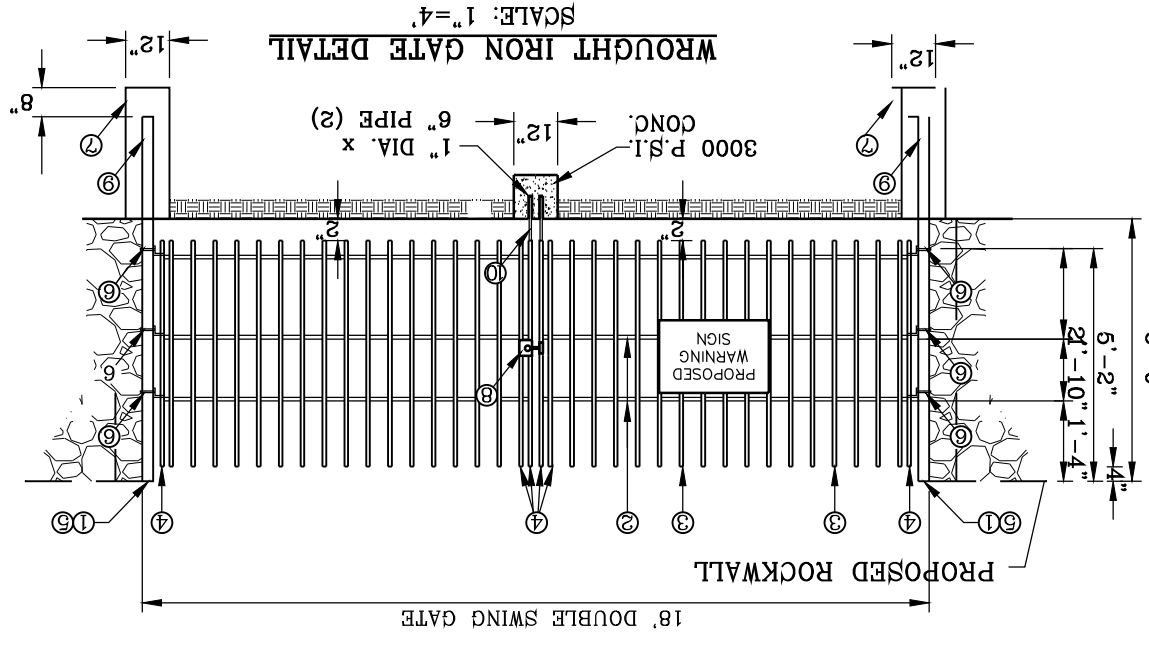
GENERAL NOTES:
 1. NOT TO BE USED UNDER GROUND WATER CONDITIONS.
 2. PRECAST R.C.P. PIPE.
 3. INSIDE WALL OF EXISTING MANHOLE OR PRECAST STRUCTURE.
 4. #4'S @ 12" O.C.
 5. NON-SHRINK GROUT TO BE PLACED BETWEEN EXISTING MANHOLE AND RCP TO COVER ALL GAPS (TYPICAL). THE AREA BETWEEN THE EXISTING MANHOLE/STRUCTURE AND THE RCP SHALL BE 1/2 OF THE WALL THICKNESS OF THE EXISTING STRUCTURE.
 6. MANHOLE BASE.

CONSTRUCTION KEY NOTES:
 A. PROPOSED R.C.P. PIPE.
 B. CONCRETE COLLAR (3000 PSI CONCRETE).
 C. INSIDE WALL OF EXISTING MANHOLE OR PRECAST STRUCTURE.
 D. #4'S @ 12" O.C.
 E. 2-#4 CIRCULAR TIES.
 F. NON-SHRINK GROUT TO BE PLACED BETWEEN EXISTING MANHOLE AND RCP TO COVER ALL GAPS (TYPICAL). THE AREA BETWEEN THE EXISTING MANHOLE/STRUCTURE AND THE RCP SHALL BE 1/2 OF THE WALL THICKNESS OF THE EXISTING STRUCTURE.
 G. MANHOLE BASE.

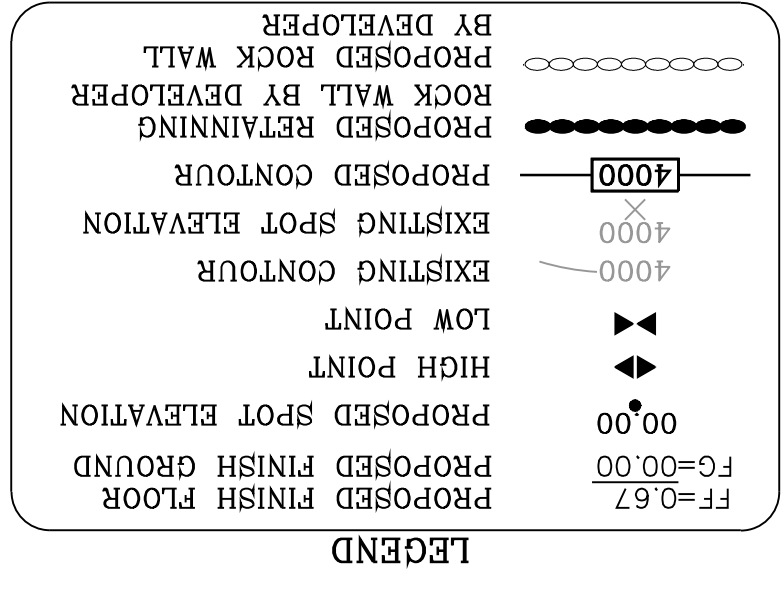
CONNECTION AT DROP INLET
 CONNECTION AT BASE
 LATERAL CONNECTION AT
 STORM WATER
 MANHOLES (CONCRETE COLLAR)
 JUNCTION BOXES OR EXISTING
 STORM WATER PRECAST
 MANHOLES (CONCRETE COLLAR)
 2-28C

| STAGE STORAGE TABLE | | | |
|---------------------|----------------|---------------------|----------------------|
| ELEV | AREA (sq. ft.) | INC. VOL. (ac. ft.) | TOTAL VOL. (ac. ft.) |
| 3,965.000 | 19,369.11 | 0.42 | 0.80 |
| 3,964.000 | 17,464.08 | 0.38 | 0.38 |
| 3,963.000 | 15,691.97 | N/A | 0.00 |
| 3,962.000 | 13,919.86 | 0.51 | 1.78 |
| 3,961.000 | 12,147.75 | 0.63 | 3.02 |
| 3,960.000 | 10,375.64 | 0.74 | 4.24 |
| 3,959.000 | 8,603.53 | 0.85 | 5.21 |
| 3,958.000 | 6,831.42 | 0.91 | 6.07 |
| 3,957.000 | 5,059.31 | 0.97 | 6.79 |
| 3,956.000 | 3,287.20 | 1.03 | 7.95 |
| 3,955.000 | 1,515.09 | 1.09 | 10.07 |
| 3,954.000 | 0.00 | 1.16 | 11.22 |
| 3,953.000 | 0.00 | 1.22 | 12.44 |
| 3,952.000 | 0.00 | 1.29 | 13.73 |
| 3,951.000 | 0.00 | 1.36 | 15.09 |
| 3,950.000 | 0.00 | 1.43 | 16.51 |
| 3,949.000 | 0.00 | 1.50 | 18.01 |
| 3,948.000 | 0.00 | 1.57 | 19.58 |
| 3,947.000 | 0.00 | 1.65 | 21.23 |
| 3,946.000 | 0.00 | 1.72 | 22.95 |
| 3,945.000 | 0.00 | 1.80 | 24.75 |
| 3,944.000 | 0.00 | 1.88 | 26.63 |
| 3,943.000 | 0.00 | 1.92 | 28.56 |

| ONSITE WATERSHED-POND A | | | |
|---------------------------------|--------------|---------------------|-----------------------|
| RESIDENTIAL | COMMERCIAL | OFFSITE A&I FUTURE | OFFSITE G UNDEVELOPED |
| 96.19(4) 0.60 | 4.34(4) 0.85 | 12 | 39.95(4) 0.33 |
| 19.24 ac-ft | 1.23 ac-ft | 12 | 4.39 ac-ft |
| SILT & DEBRIS = 1.69 | | | |
| req (TOTAL) = 26.55 | | cap (TOTAL) = 28.56 | |
| 100 YEAR HW ELEVATION = 3986.06 | | | |

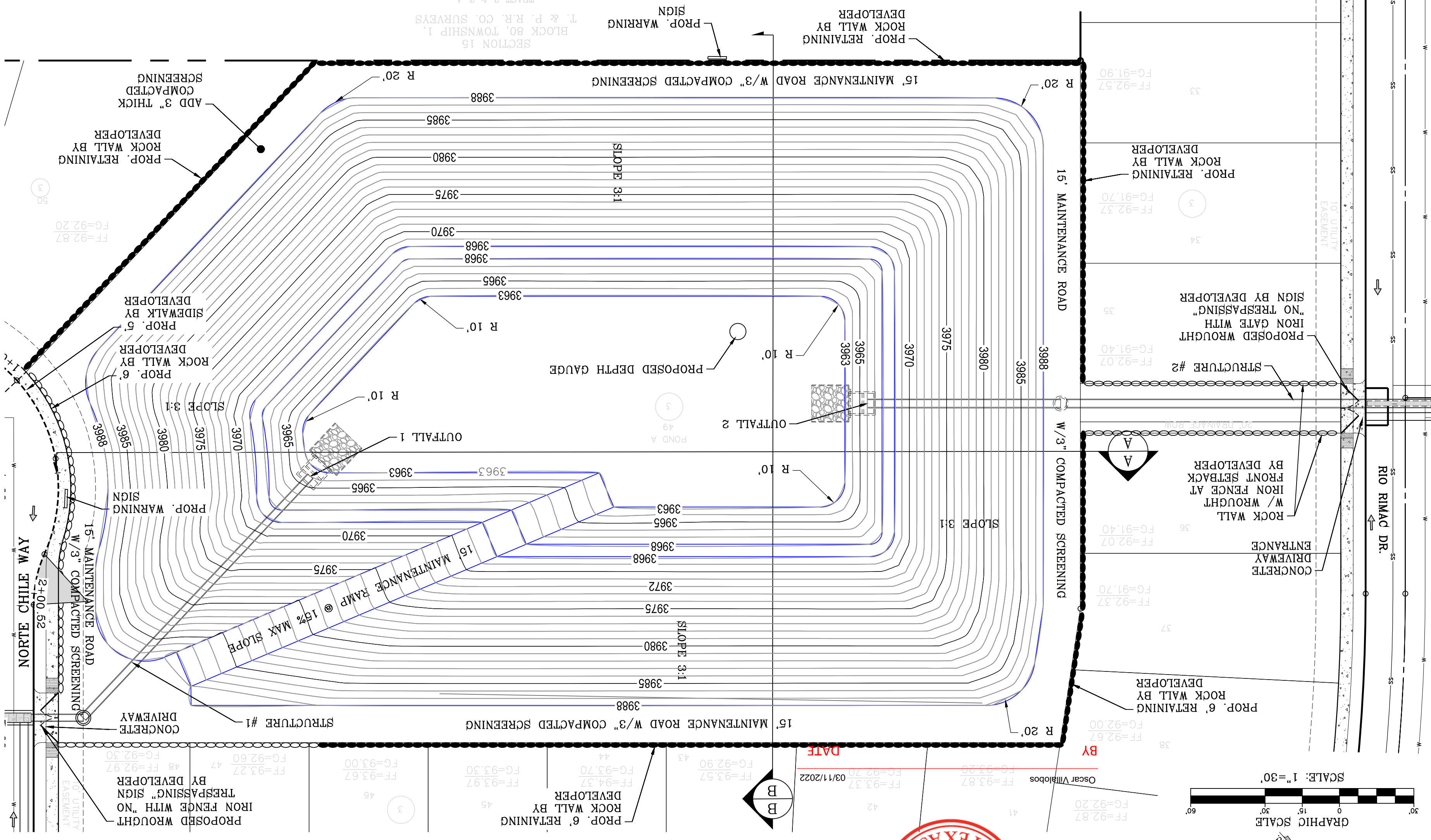


- NOTES FOR POND GAUGE:
1. CONSULT WITH PAINT MANUFACTURER FOR PRODUCTS THAT CAN SUSTAIN LONG PERIODS OF MOISTURE.
 2. "d" DEPTH GAUGE BE BURIED LESS THEN 36"
 3. IN NO INSTANCE SHALL THE GAUGE BE BURIED LESS THEN 36"
 4. SIGN MATERIAL TO BE 16 GAUGE GALVANIZED SHEET METAL.
 5. TOP PART OF SIGN SHALL SHOW BLACK LETTERS ON A WHITE BACKGROUND.
 6. BOTTOM PART OF SIGN SHALL SHOW WHITE LETTERS ON A BLACK BACKGROUND.



GRADING STABILIZATION NOTES:

A. STABILIZATION MEASURE FOR LOT 49, BLOCK 3 (POND) TO BE HYDROMULCH SLOPES DESIGN: ROUGHEN SLOPES MIX: 65-85 lbs WOOD MULCH/1000 sq ft. SEED: BUFFALO GRASS SEED @ 25 lbs/1000 sq ft. WATER: 30-35 lbs of MULCH PER 100 GALLONS OF WATER. WATER SLOPE THEN APPLY HYDROMULCH ESTABLISHED. TEMPORARY IRRIGATION AND WATER SLOPES TWICE PER WEEK UNTIL VEGETATION ESTABLISHED.



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SUITEY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

CONDE INC.
 REGISTRATION NO. F-2221

ENGINEER'S SEAL

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 116-63

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|---|
| 09/19/19 | F.R. | 1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS. LOCATED N45°57'18" E 147.02 FEET FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ELEVATION=4004.41 ADD 10FEET TO OBTAIN NAD 88 DATUM AS REFERENCED TO NOS CONTROL NED WITH COORDINATES OF NORTHING: 107349181868 EASTING: 41368075. NORTHEAST DIVERGENCE/INTERSECTOR PLANS |
| 11/18/20 | F.R. | CITY REDLINES AS PER 05/06/19 COMMENTS |

BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

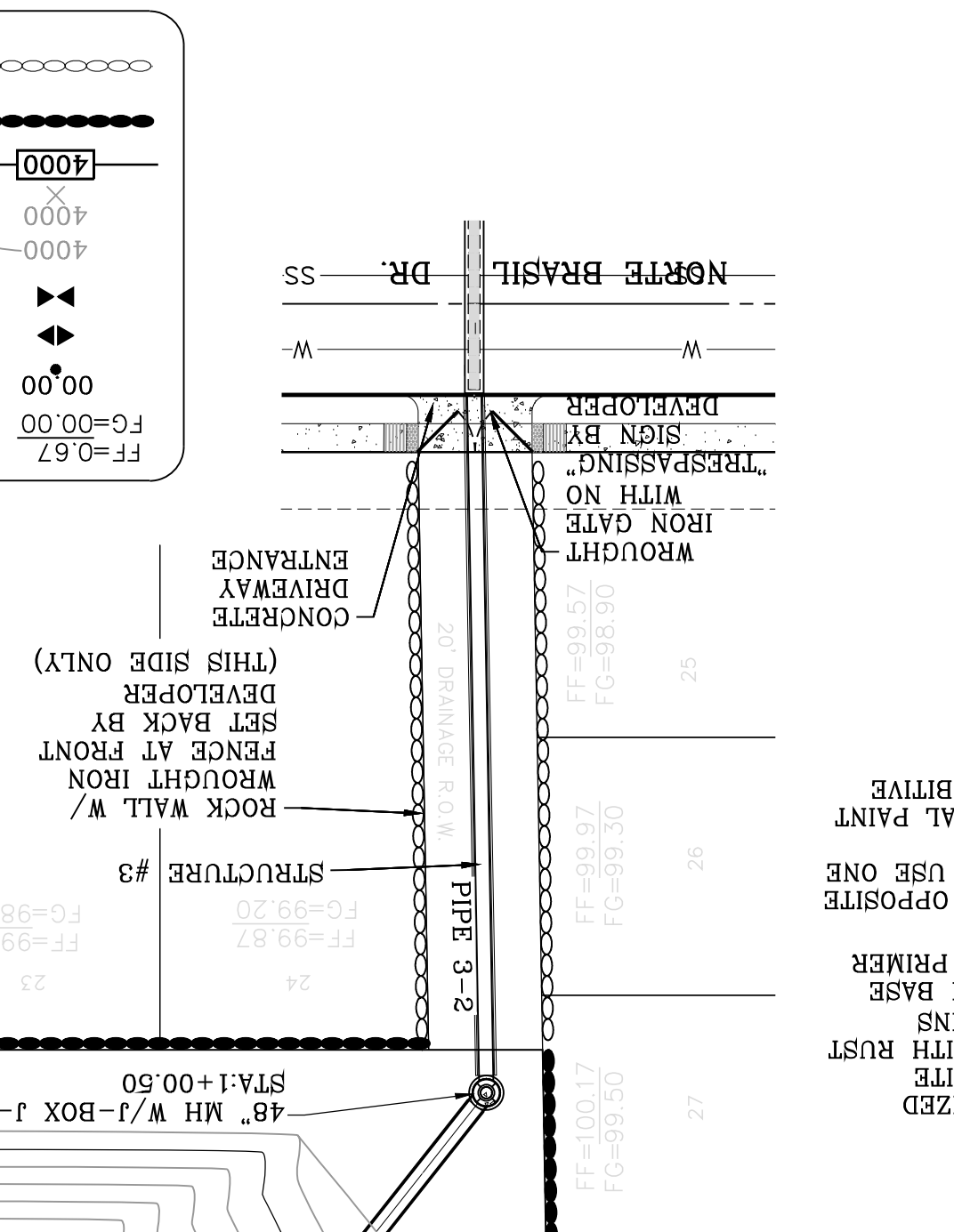
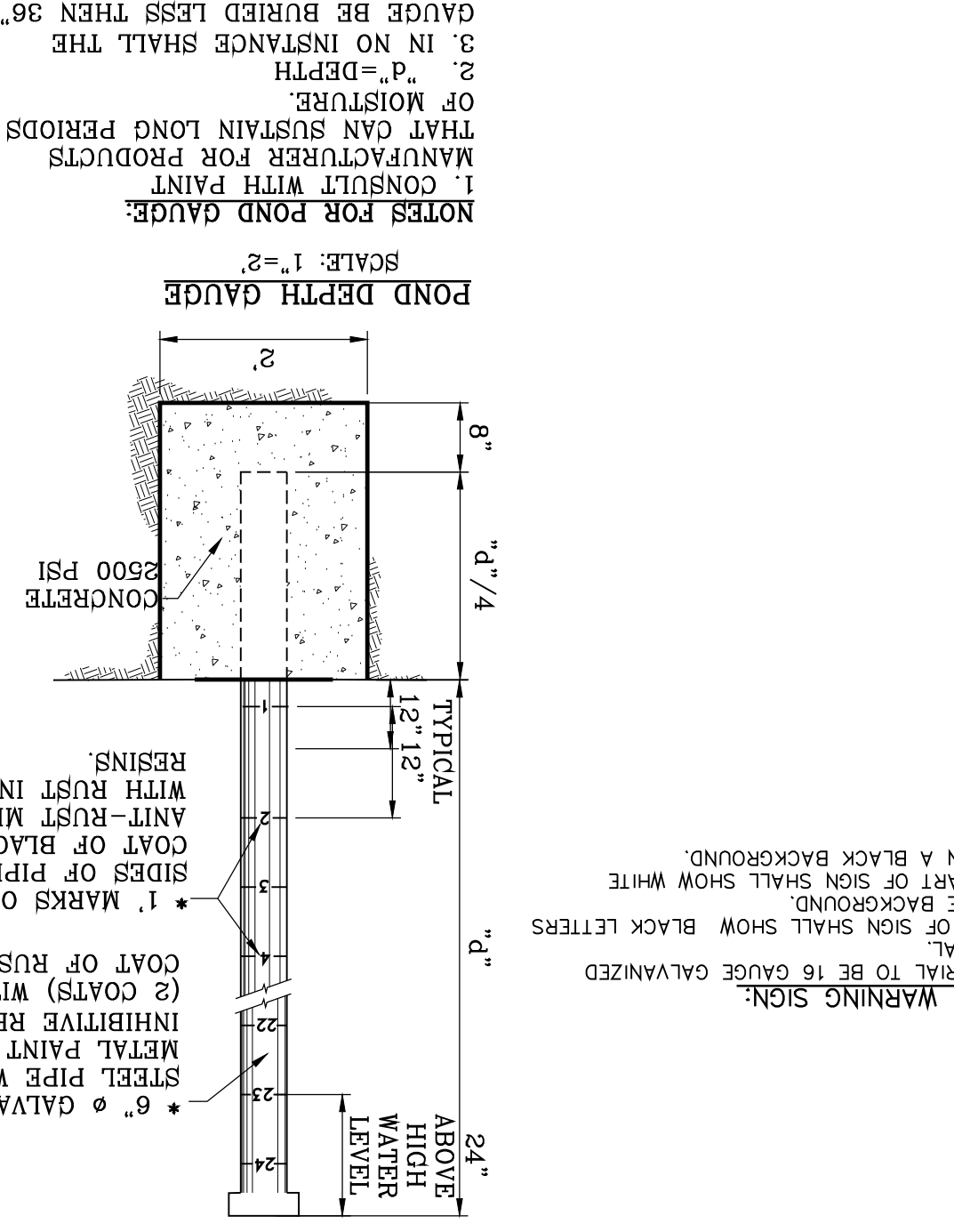
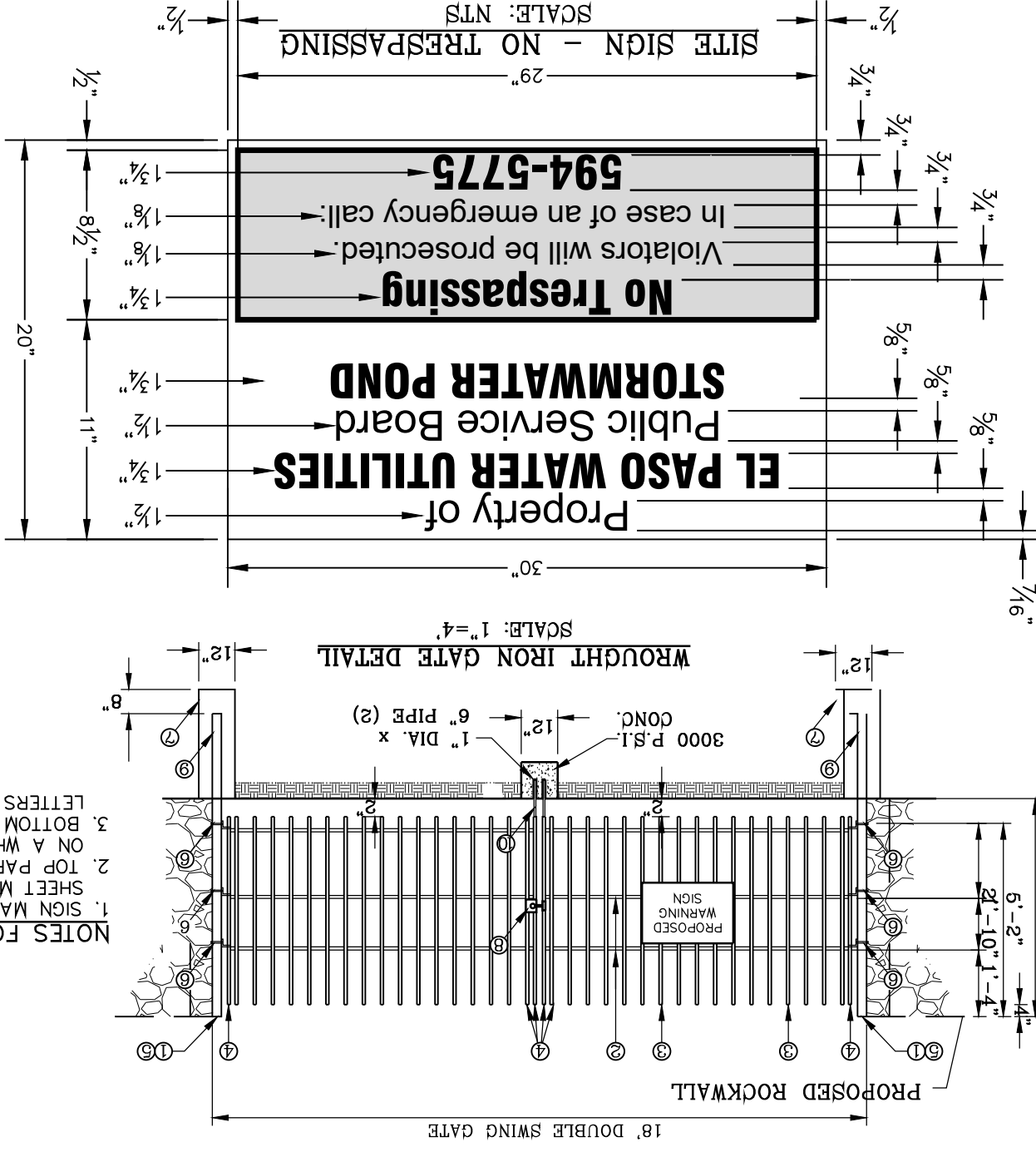
SHT 76 OF 83

| CONIC AREA INC. VOL. TOTAL (ac. ft.) | CONIC AREA (ac. ft.) | ELEV. TOTAL VOL. (ac. ft.) |
|--------------------------------------|----------------------|----------------------------|
| 3,976.000 | 25,614.11 | N/A |
| 3,977.000 | 29,617.57 | 0.61 |
| 3,978.000 | 29,812.18 | 0.66 |
| 3,979.000 | 32,079.05 | 0.71 |
| 3,980.000 | 34,420.58 | 0.76 |
| 3,981.000 | 36,836.76 | 0.82 |
| 3,982.000 | 39,327.55 | 0.87 |
| 3,983.000 | 41,892.83 | 0.93 |
| 3,984.000 | 44,532.44 | 0.99 |
| 3,985.000 | 47,246.25 | 1.05 |
| 3,986.000 | 50,034.49 | 1.12 |
| 3,987.000 | 52,897.24 | 1.18 |
| 3,988.000 | 55,834.50 | 1.25 |
| 3,989.000 | 58,846.26 | 1.32 |
| 3,990.000 | 61,932.68 | 1.39 |
| 3,991.000 | 65,093.58 | 1.46 |
| 3,992.000 | 68,328.94 | 1.53 |
| 3,993.000 | 71,638.82 | 1.61 |
| 3,994.000 | 75,022.76 | 1.68 |
| 3,995.000 | 78,480.92 | 1.76 |
| 3,996.000 | 79,880.46 | 1.82 |
| 3,997.000 | 79,880.46 | 23.52 |

STAGE STORAGE TABLE

| Q _T = A R C = AC-FT | RESIDENTIAL & POND B = | B&C OFFSITE FUTURE COMMERCIAL = | SILT & DEBRIS = | Q _{REQ} (TOTAL) = | Q _{CAP} (TOTAL) = | 100 YEAR HW ELEVATION = | 100 YEAR PONDED DEPTH = |
|--------------------------------|------------------------|---------------------------------|-----------------|----------------------------|----------------------------|-------------------------|-------------------------|
| 64.26(4) 0.60 | 12.85 ac-ft | 4.92(4) 0.85 | 1.39 ac-ft | 12 | 15.07 | 3990.43 | 3990.97 |

- NOTES FOR GATE:
- 1. SIGN MATERIAL TO BE 16 GAUGE GALVANIZED SHEET METAL.
 - 2. TOP PART OF SIGN SHALL SHOW BLACK LETTERS ON A WHITE BACKGROUND.
 - 3. BOTTOM PART OF SIGN SHALL SHOW WHITE LETTERS ON A BLACK BACKGROUND.
- NOTES FOR WARNING SIGN:
- * 6" Ø GALVANIZED STEEL PIPE WHITE METAL PAINT WITH RUST INHIBITIVE RESINS (2 COATS) WITH BASE COAT OF RUST PRIMER.
 - * 1 MARKS ON OPPOSITE SIDES OF PIPE, USE ONE COAT OF RUST PRIMER.
 - * 24" ABOVE HIGH WATER LEVEL.
- NOTES FOR POND GAUGE:
- 1. CONSULT WITH PAINT MANUFACTURER FOR PRODUCTS THAT CAN SUSTAIN LONG PERIODS OF MOISTURE.
 - 2. IN NO INSTANCE SHALL THE GAUGE BE BURIED LESS THEN 36"

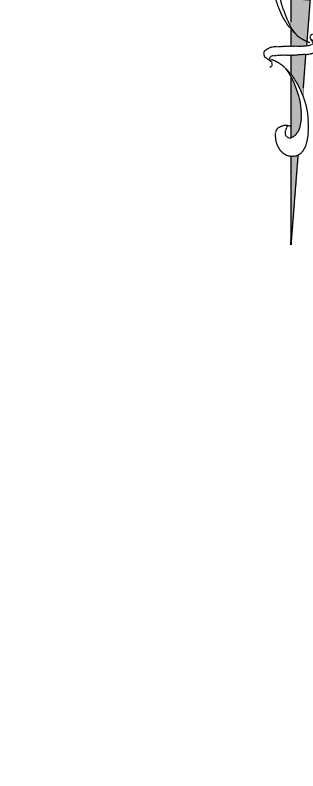
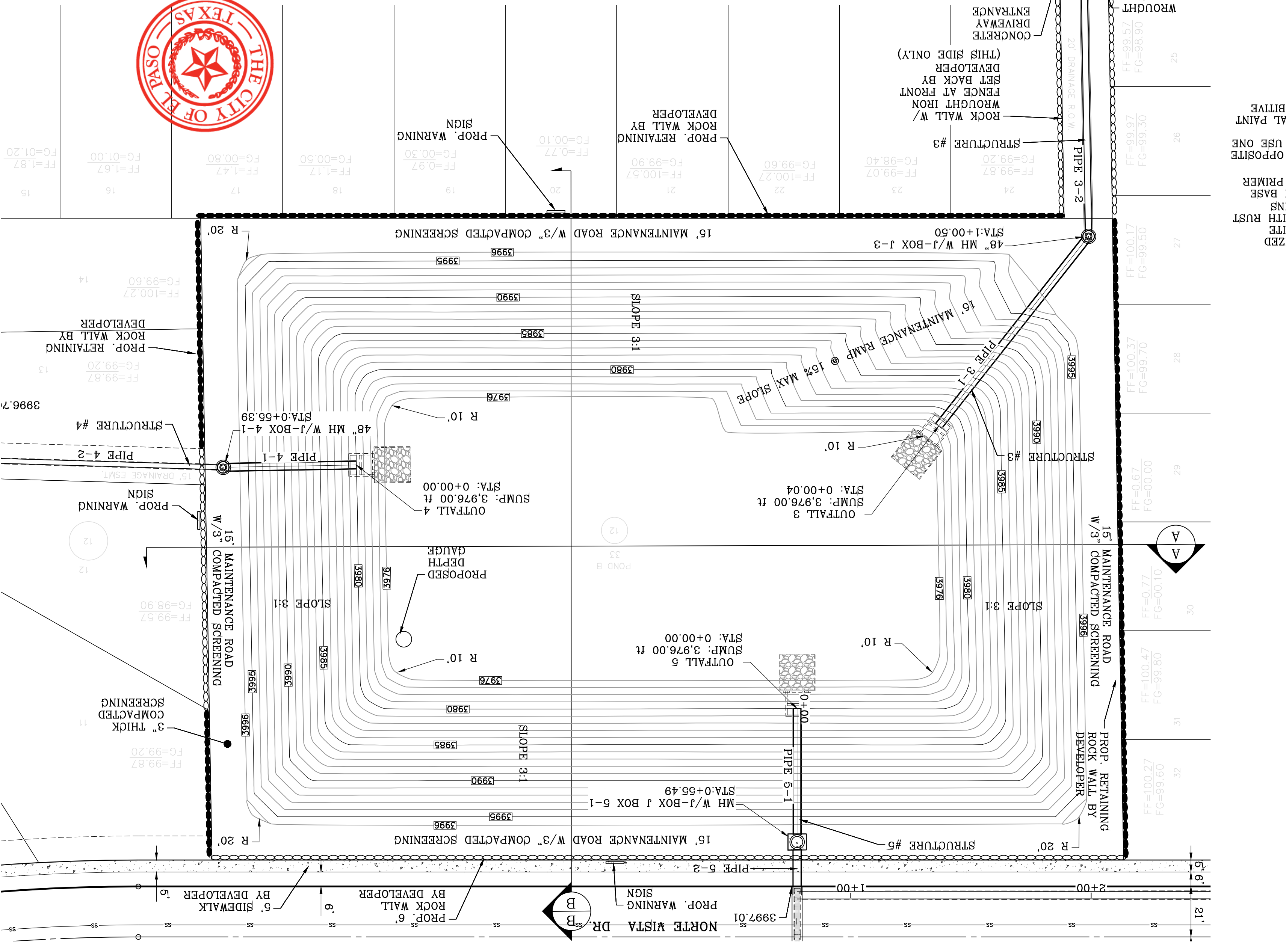
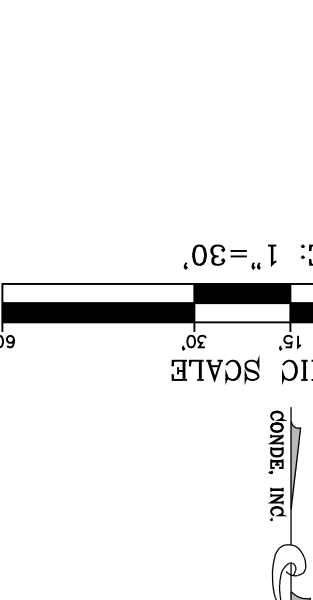


- LEGEND
- FF=0.67 PROPOSED FINISH FLOOR
 - FF=0.00 PROPOSED FINISH GROUND
 - PROPOSED SPOT ELEVATION
 - HIGH POINT
 - LOW POINT
 - EXISTING CONTOUR
 - EXISTING SPOT ELEVATION
 - PROPOSED CONTOUR
 - PROPOSED RETAINING ROCK WALL BY DEVELOPER
 - PROPOSED ROCK WALL BY DEVELOPER

GRADING STABILIZATION NOTES:

A. STABILIZATION MEASURE FOR LOT 33, BLOCK 12 (POND) TO BE HYDROLOGIC SLOPES BY DATE

MIX: 65-65 lbs wood mulch/1000 sq ft.
 SEED: BUFFALO GRASS SEED @ 25 lbs/1000 sq ft.
 WATER: 30-35 lbs of mulch per 100 gallons of water.
 TEMPORARY IRRIGATION AND WATER SLOPES TWICE PER WEEK UNTIL VEGETATION ESTABLISHED.



SECTION A
 HORIZONTAL: 1"=30'
 VERTICAL: 1"=10'

SECTION B
 HORIZONTAL: 1"=30'
 VERTICAL: 1"=10'

VISTA DEL NORTE ESTATES UNIT TWO

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

CONDE INC.
 REGISTRATION NO. F-2221

ENGINEER'S SEAL
 YOUNG CONDE BERRY
 LICENSED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF TEXAS
 NO. 1116-53

SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

DATE: MARCH 2017
 DESIGN BY: Y.C.
 INITIATED BY: F.R.
 CHECKED BY: Y.C.
 JOB NO.: 1116-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BENCHMARK
 1/2" REBAR PANEL POINT FROM AERIAL TOP PROVIDED BY OTHERS LOCATED N45°57'18" E 127.02 FEET FROM THE NORTHEAST CORNER OF VISTA DEL NORTE ELEVATION=4004.41 ADD 10 FEET TO OBTAIN NAVD 88 DATUM AS REFERENCED TO NOS CONTROL NE3 WITH COORDINATES OF NORTING: 10734918.66 EASTING: 4136807.75. NORTHEAST DIKE/RAILROAD INTERSECTOR PLANS ON THE

REVISIONS

| DATE | REVISIONS |
|----------|--|
| 09/19/19 | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/18/20 | CITY REDLINES AS PER 11/06/20 COMMENTS |

BY: F.R.
 CHECKED BY: Y.C.



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6040 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SCALE
HORIZ: 1" = 50'
VERT:
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1118-53

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

BRING A PORTION OF TRACT 1, SECTION 10; AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, RANGE 15N, AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, COUNTY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|---|
| 09/19/19 | Y.C. | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/18/20 | F.R. | CITY REDLINES AS PER 11/06/20 COMMENTS |
| 02/05/21 | F.R. | REVISED POND TO DEPICT 25' P.S.B. ESKT. |

05/04/21 DEPICT EXISTING 24" WATER LINE F.R.
03/02/21 ADD WROUGHT IRON GATE FOR P.S.B. ACCESS F.R.

VISTA DEL NORTE ESTATES UNIT TWO

| | |
|-------------------------|-------------|
| 100 YEAR HW ELEVATION = | 4000.83 |
| cap (TOTAL) = | 58.95 |
| req (TOTAL) = | 53.11 |
| SILT & DEBRIS = | 4.71 |
| 48.41 ac-ft | 12 |
| 18.00(4) 0.33 | 12 |
| 30.30(4) 0.85 | 12 |
| 344.00(4) 0.33 | 37.84 ac-ft |

WATERSHED-POND C

QT = $\frac{A \cdot R}{L \cdot C}$ = AC-FT

POND CALC.
QT=ACR/12
A=TOTAL AREA IN ACRES
R=RAINFALL IN INCHES
C=RUN OFF FACTOR
NORTH OF (US)
OFFSITE D
37.84 ac-ft
OFFSITE D
NORTH OF (US)
344.00(4) 0.33
EXISTING DEVELOPMENT
30.30(4) 0.85
(US 64 O/S "J"
HIGHWAY)=
OFFSITE H
UNDEVELOPED
18.00(4) 0.33
SOUTH OF (US)
64 HIGHWAY)=
48.41 ac-ft

STAGE STORAGE TABLE

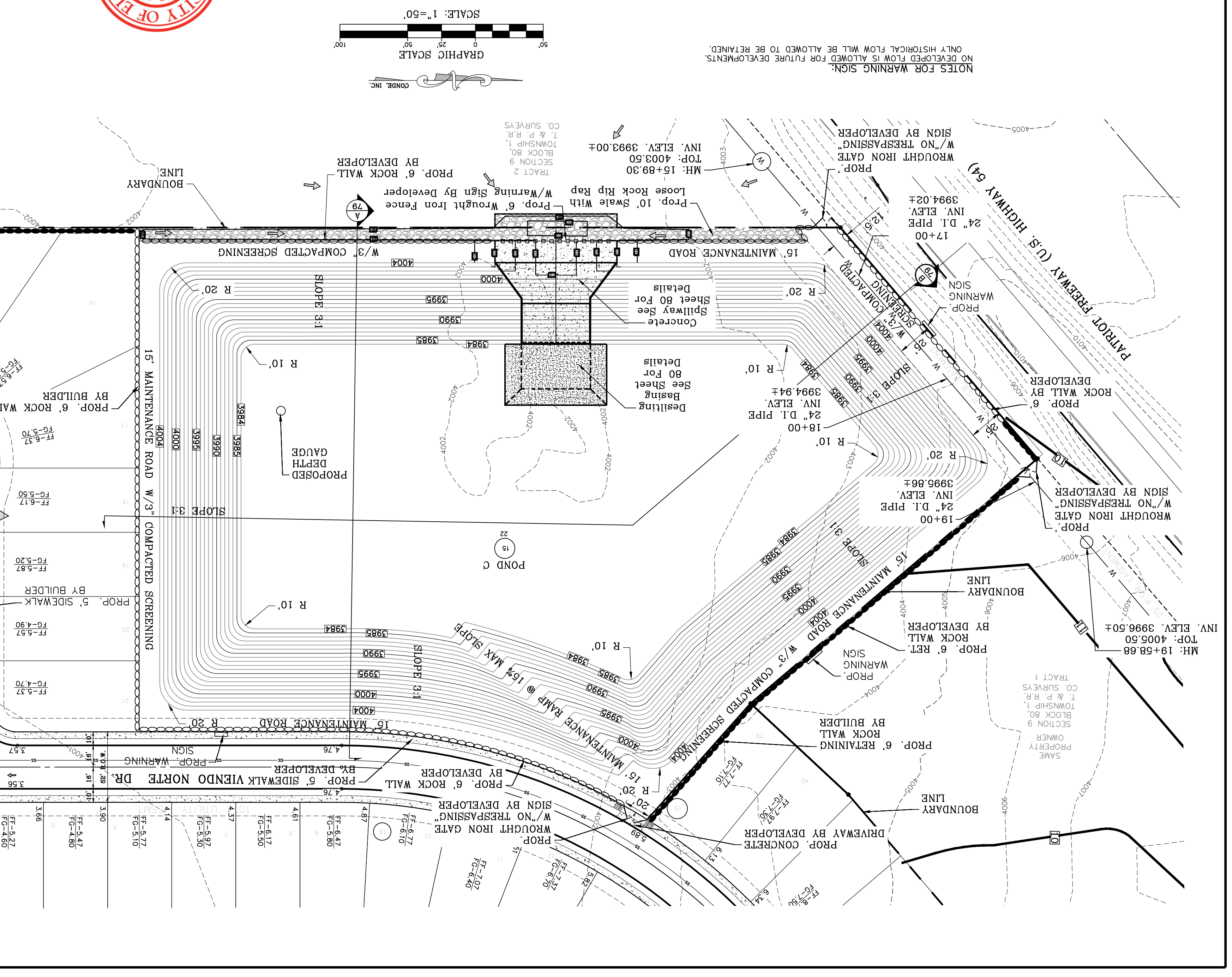
| ELEV | AREA (sq. ft.) | DEPT H INC. VOL (ac. ft.) | AVG END TOTAL VOL. (ac. ft.) |
|------------------------------|----------------|---------------------------|------------------------------|
| 4.004.00 | 27.20 | 1.00 | 2.01 |
| 4.003.00 | 175,436.81 | 1.00 | 3.97 |
| 4.002.00 | 170,317.30 | 1.00 | 3.85 |
| 4.001.00 | 165,255.10 | 1.00 | 3.74 |
| 4.000.00 | 160,280.37 | 1.00 | 3.62 |
| 3.999.00 | 155,363.11 | 1.00 | 3.51 |
| 3.998.00 | 150,513.31 | 1.00 | 3.40 |
| 3.997.00 | 145,730.98 | 1.00 | 3.29 |
| 3.996.00 | 141,016.09 | 1.00 | 3.18 |
| 3.995.00 | 136,368.62 | 1.00 | 3.08 |
| 3.994.00 | 131,788.48 | 1.00 | 2.97 |
| 3.993.00 | 127,275.50 | 1.00 | 2.87 |
| 3.992.00 | 122,829.96 | 1.00 | 2.77 |
| 3.991.00 | 118,451.85 | 1.00 | 2.67 |
| 3.990.00 | 114,141.19 | 1.00 | 2.57 |
| 3.989.00 | 109,897.96 | 1.00 | 2.47 |
| 3.988.00 | 105,722.18 | 1.00 | 2.38 |
| 3.987.00 | 101,613.84 | 1.00 | 2.29 |
| 3.986.00 | 97,572.94 | 1.00 | 2.19 |
| 3.985.00 | 93,599.62 | 1.00 | 2.10 |
| 3.984.00 | 89,694.66 | N/A | N/A |
| AVG END TOTAL VOL. (ac. ft.) | | | |

DRAINAGE CALCULATION TABLE

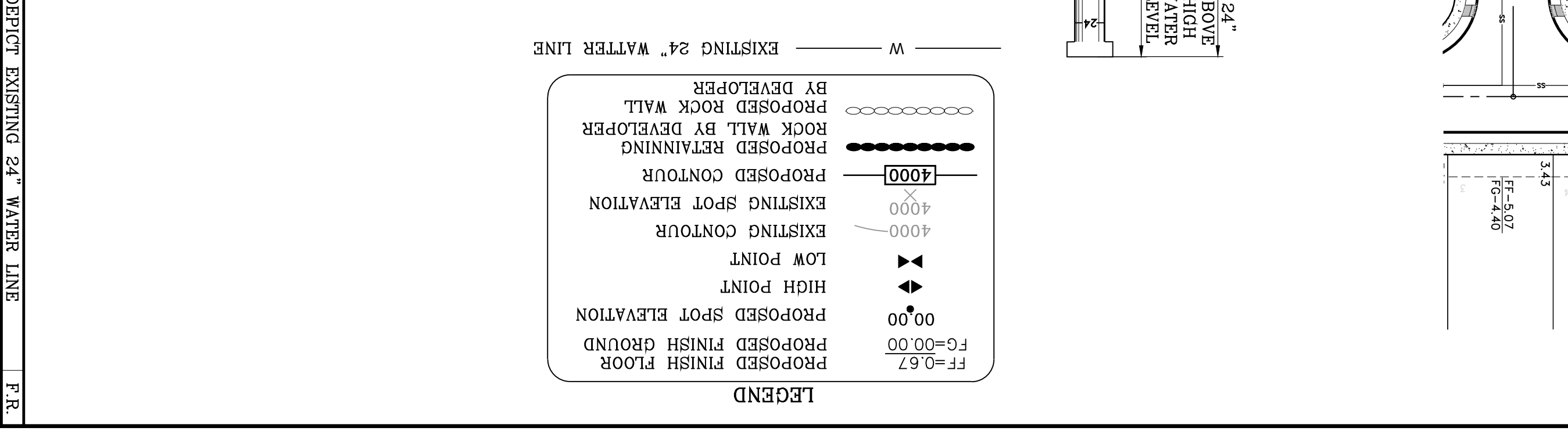
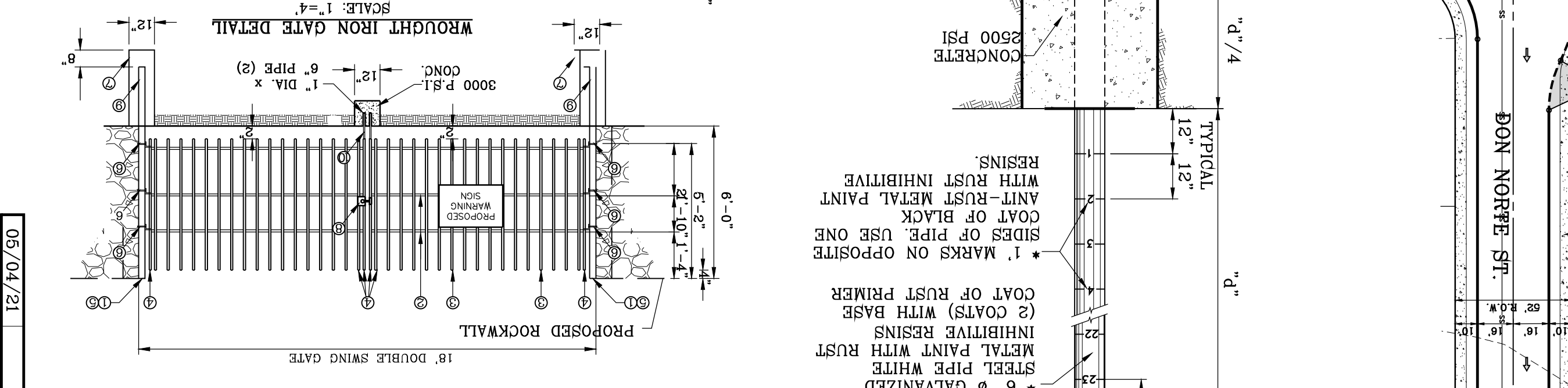
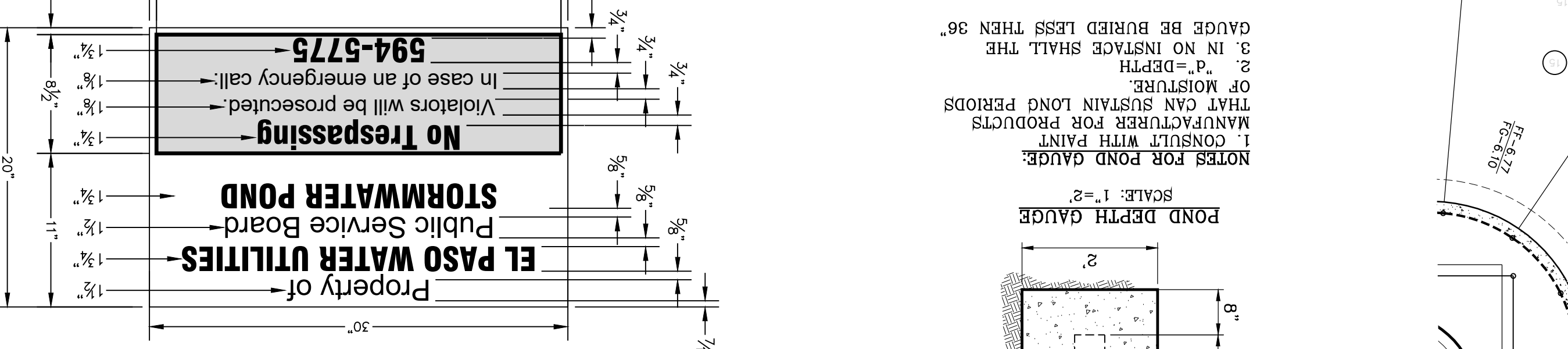
| AREA (acres) | Tc (min) | C | Qp (cfs) | Qp (in/hr) | Qp (cfs) |
|-------------------|----------|------|----------|------------|----------|
| US 64 OFFSITE H | 18.00 | 0.33 | 2.42 | 14.39 | 2.76 |
| US 64 OFFSITE J | 30.30 | 0.65 | 2.42 | 62.41 | 2.76 |
| EXIST. DEV. US 64 | 30.30 | 0.33 | 2.42 | 275.08 | 2.76 |
| N. OF US 64 | 344.00 | 0.33 | 2.42 | 2.76 | 313.04 |
| DRAINAGE AREA | | | | | |

A. STABILIZATION MEASURE FOR LOT 22, BLOCK 16 (POND) TO BE HYDROMULCH SLOPES.
GRADING STABILIZATION NOTES:
DESIGN: ROUGHEN SLOPES.
MIX: 65-85 lbs WOOD MULCH/1000 sq.ft.
SEED: BUFFALO GRASS SEED @ 25 lbs/1000 sq.ft.
WATER: 30-35 lbs OF MULCH PER 100 GALLONS OF WATER.
TEMPORARY IRRIGATION AND WATER SLOPES TWICE PER WEEK UNTIL VEGETATION ESTABLISHED.

BY: Oscar Villalobos
DATE: 03/11/2022

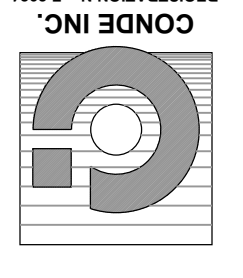


- NOTES FOR POND GAUGE:
- CONSULT WITH PAINTER
 - MANUFACTURER FOR PRODUCTS THAT CAN SUSTAIN LONG PERIODS OF MOISTURE.
 - "d"=DEPTH 3" IN NO INSTACE SHALL THE GAUGE BE BURIED LESS THEN 36"
 - 3"x3"x3/16" SQUARE STEEL TUBING
 - 1/2"x1/2"x16 GA. RECTANGULAR STEEL TUBING
 - 2"x1"x16 GA. RECTANGULAR STEEL TUBING
 - FLAT TOP POLYURETHANE CAP
 - BOLT HOOK AND STRAP HINGE
 - 1"x3" DEEP 3000 PSI CONCRETE POST FOOTING
 - DOUBLE GATE HEAVY DUTY INDUSTRIAL LATCH
 - W/PAD LOCK
 - 5"x5"x3/8" SQUARE STEEL SLEEVE W/7"x7"x3/8" STEEL BASE PLATE
 - GAUGE BOLT LATCH W/KEEPER 5"-8" x18" LONG (2 REQUIRED)
- NOTES FOR WARNING SIGN:
- SIGN MATERIAL TO BE 16 GAUGE GALVANIZED SHEET METAL
 - TOP PART OF SIGN SHALL SHOW BLACK LETTERS ON A WHITE BACKGROUND
 - BOTTOM PART OF SIGN SHALL SHOW WHITE LETTERS ON A BLACK BACKGROUND



POND C SECTIONS

SHEET TITLE



CONDE INC.
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EL PASO, TEXAS 79905
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SCALE
HORIZ. AS SHOWN
VERT. AS SHOWN
DATE: MARCH 2017
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PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO
BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

REVISIONS

| DATE | BY | REVISIONS |
|----------|------|---|
| 02/05/21 | F.R. | REVISED POND TO DEPICT 25' P.S.B. ESMT. |
| 01/18/20 | F.R. | CITY REQUIRES AS PER 11/06/20 COMMENTS |
| 09/19/19 | F.R. | CITY REQUIRES AS PER 05/06/19 COMMENTS |
| 05/04/21 | F.R. | DEPICT EXISTING 24" WATER LINE |
| 03/02/21 | F.R. | ADD WROUGHT IRON GATE FOR P.S.B. ACCESS |

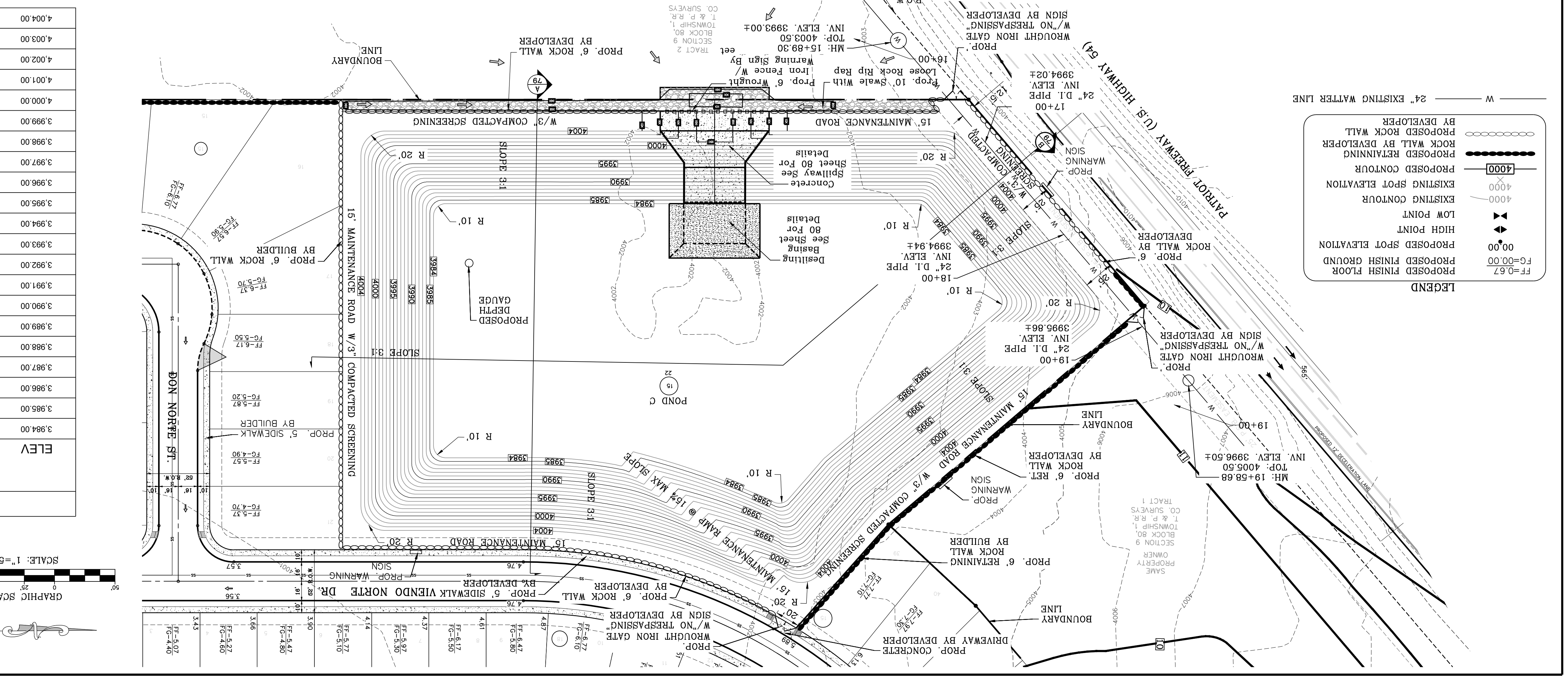
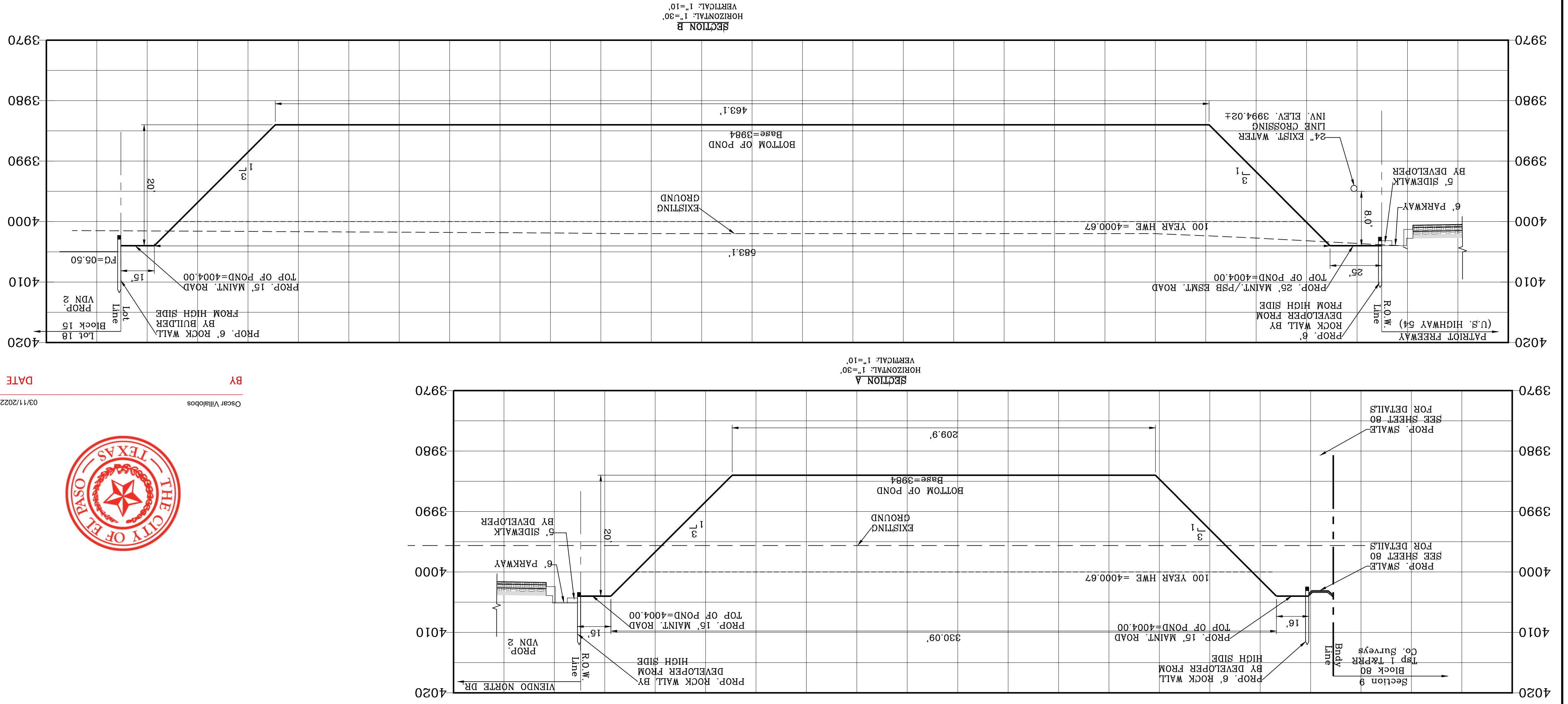
WATERSHED-POND C

$QT = \frac{A}{R} \times C = AC-FT$

| DESCRIPTION | AREA (ac-ft) | COEFFICIENT | RESULT (ac-ft) |
|---|--------------|-------------|----------------|
| OFFSITE D NORTH OF (US 54 HIGHWAY)= | 344.00(4) | 0.33 | 37.84 ac-ft |
| EXISTING DEVELOPMENT (US 54 O/S "J" HIGHWAY)= | 30.30(4) | 0.86 | 8.58 ac-ft |
| OFFSITE H UNDEVELOPED SOUTH OF (US 54 HIGHWAY)= | 18.00(4) | 0.33 | 1.98 ac-ft |
| SILT & DEBRIS | 48.41 | | 4.71 |
| qreq (TOTAL) = | 53.11 | | |
| qcap (TOTAL) = | 58.95 | | |
| 100 YEAR HW ELEVATION = | 4000.83 | | |

STAGE STORAGE TABLE

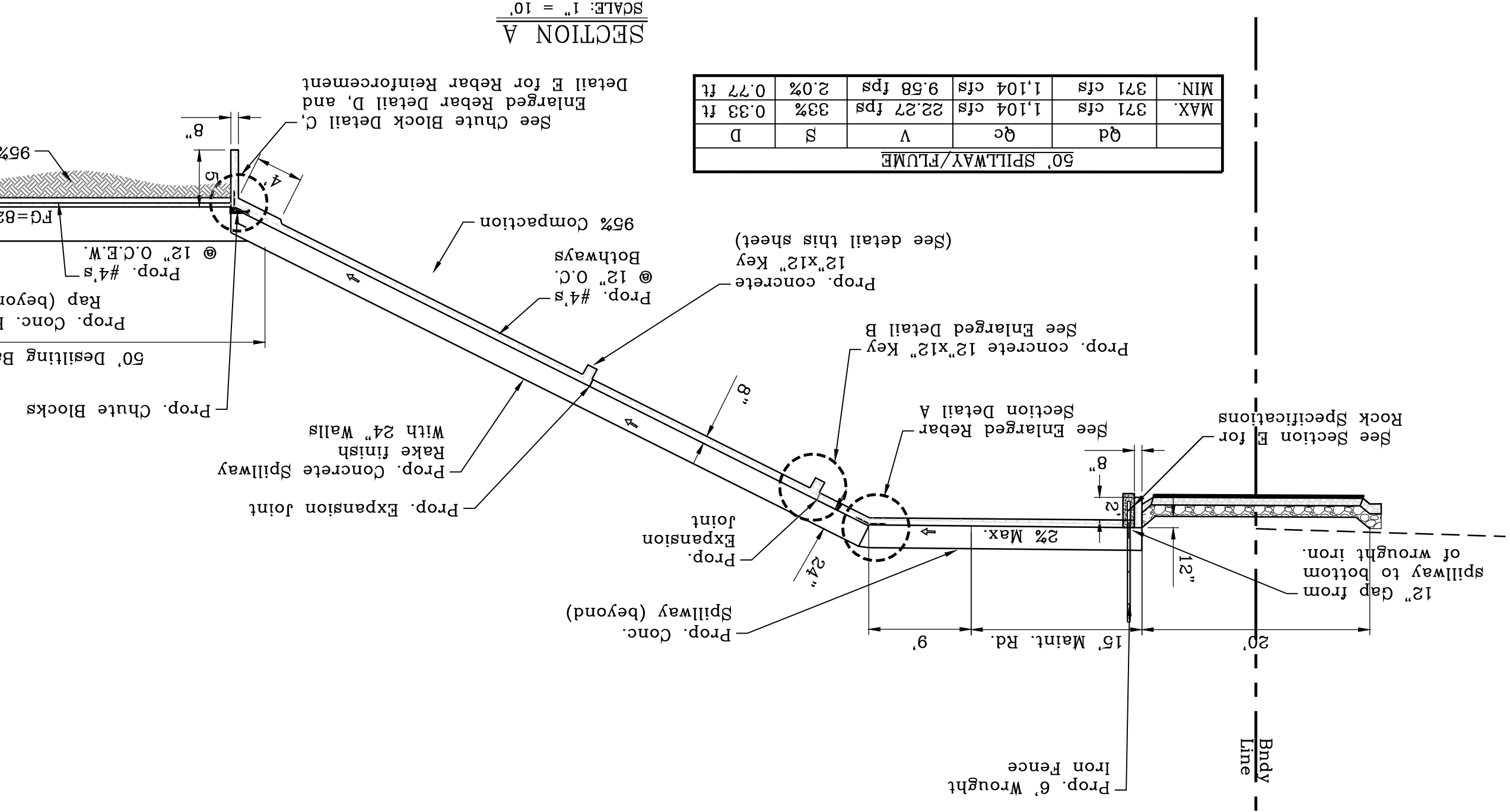
| ELEV | AVG END TOTAL VOL. (ac. ft.) | AVG END H (ft.) | DEPT (ft.) | AREA (sq. ft.) | ELEV |
|-------|------------------------------|-----------------|------------|----------------|------|
| 0.00 | 0.00 | 2.10 | 1.00 | 93.699.82 | 2.10 |
| 4.30 | 6.58 | 2.29 | 1.00 | 101.613.84 | 2.38 |
| 8.96 | 3.988.00 | 2.58 | 1.00 | 105.722.18 | 2.57 |
| 14.01 | 3.990.00 | 2.67 | 1.00 | 114.141.19 | 2.77 |
| 16.68 | 3.991.00 | 2.67 | 1.00 | 118.451.85 | 2.87 |
| 19.45 | 3.994.00 | 2.77 | 1.00 | 127.275.50 | 2.97 |
| 22.32 | 3.995.00 | 2.87 | 1.00 | 136.368.82 | 3.07 |
| 25.29 | 3.996.00 | 2.97 | 1.00 | 141.016.09 | 3.17 |
| 28.37 | 3.996.00 | 3.18 | 1.00 | 145.730.98 | 3.27 |
| 31.56 | 3.996.00 | 3.18 | 1.00 | 145.730.98 | 3.37 |
| 34.85 | 3.997.00 | 3.29 | 1.00 | 150.513.31 | 3.47 |
| 38.25 | 3.998.00 | 3.40 | 1.00 | 155.363.11 | 3.57 |
| 41.76 | 3.999.00 | 3.51 | 1.00 | 160.280.37 | 3.67 |
| 45.38 | 4.000.00 | 3.62 | 1.00 | 165.265.10 | 3.77 |
| 49.12 | 4.002.00 | 3.74 | 1.00 | 170.317.30 | 3.87 |
| 52.97 | 4.003.00 | 3.85 | 1.00 | 175.436.81 | 3.97 |
| 56.94 | 4.004.00 | 3.97 | 1.00 | 180.619.81 | 4.07 |
| 58.95 | 4.004.83 | 4.09 | 1.00 | 185.968.81 | 4.17 |



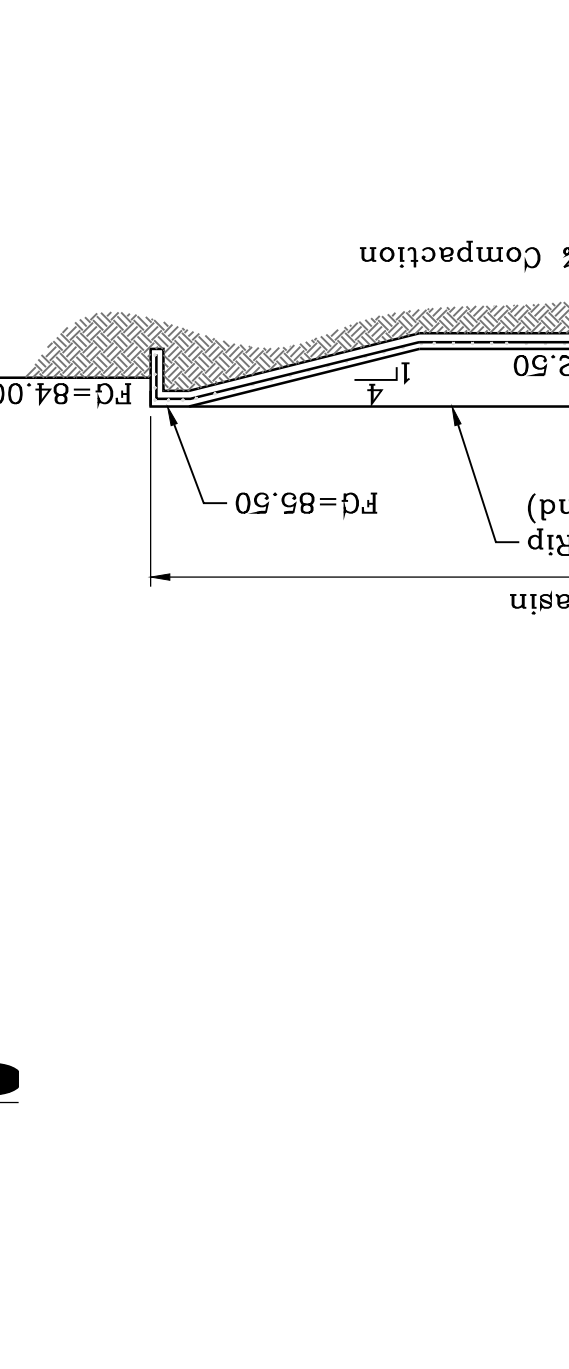
LEGEND

- FF=0.67
- FG=0.00
- PROPOSED FINISH FLOOR
- PROPOSED SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- LOW POINT
- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED RETAINING ROCK WALL BY DEVELOPER
- BY DEVELOPER
- PROPOSED ROCK WALL
- 24" EXISTING WATER LINE

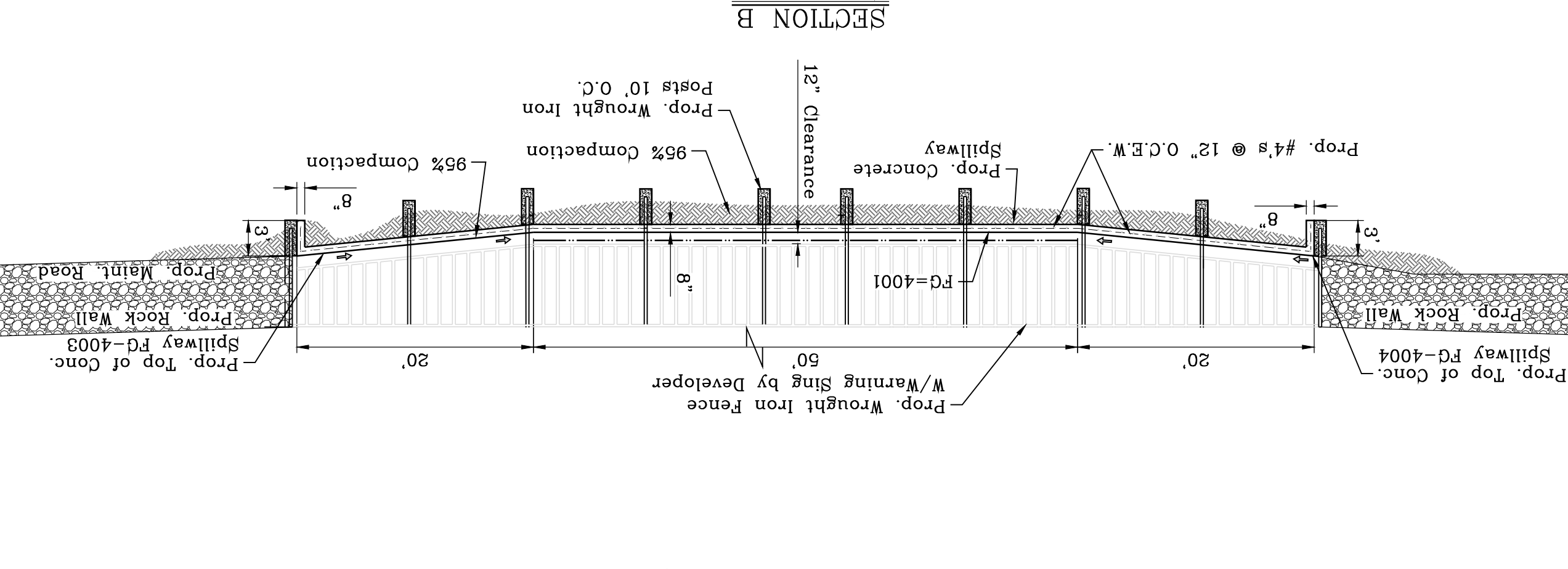
| 50' SPILLWAY/FUME | | | | |
|-------------------|---------|-----------|-----------|----------------|
| | D | S | V | q _d |
| MAX | 371 cfs | 1,104 cfs | 2,277 fps | 33% |
| MIN | 371 cfs | 1,104 cfs | 9.58 fps | 2.0% |
| | | | | 0.77 ft |



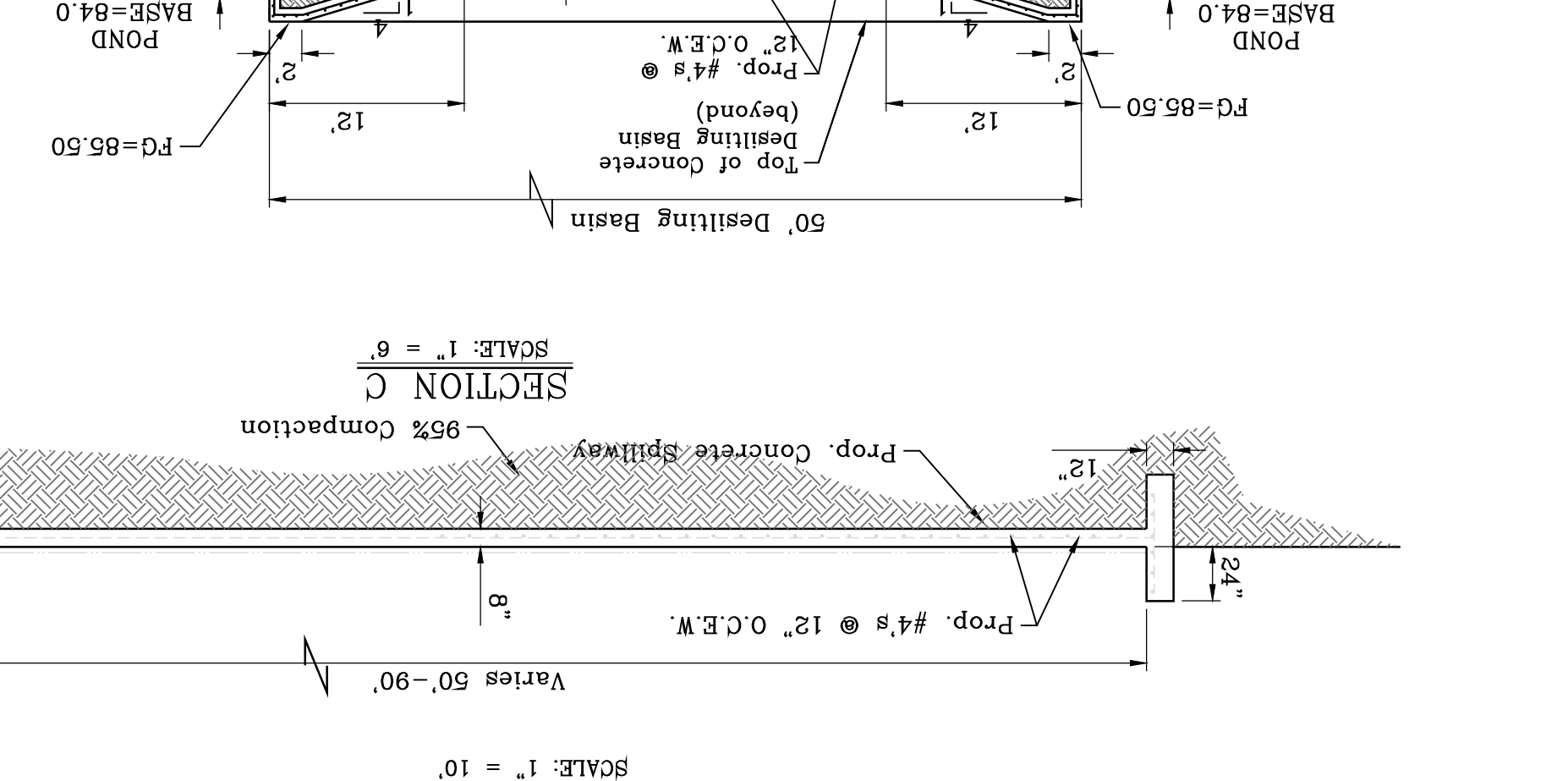
SECTION A
SCALE: 1" = 10'



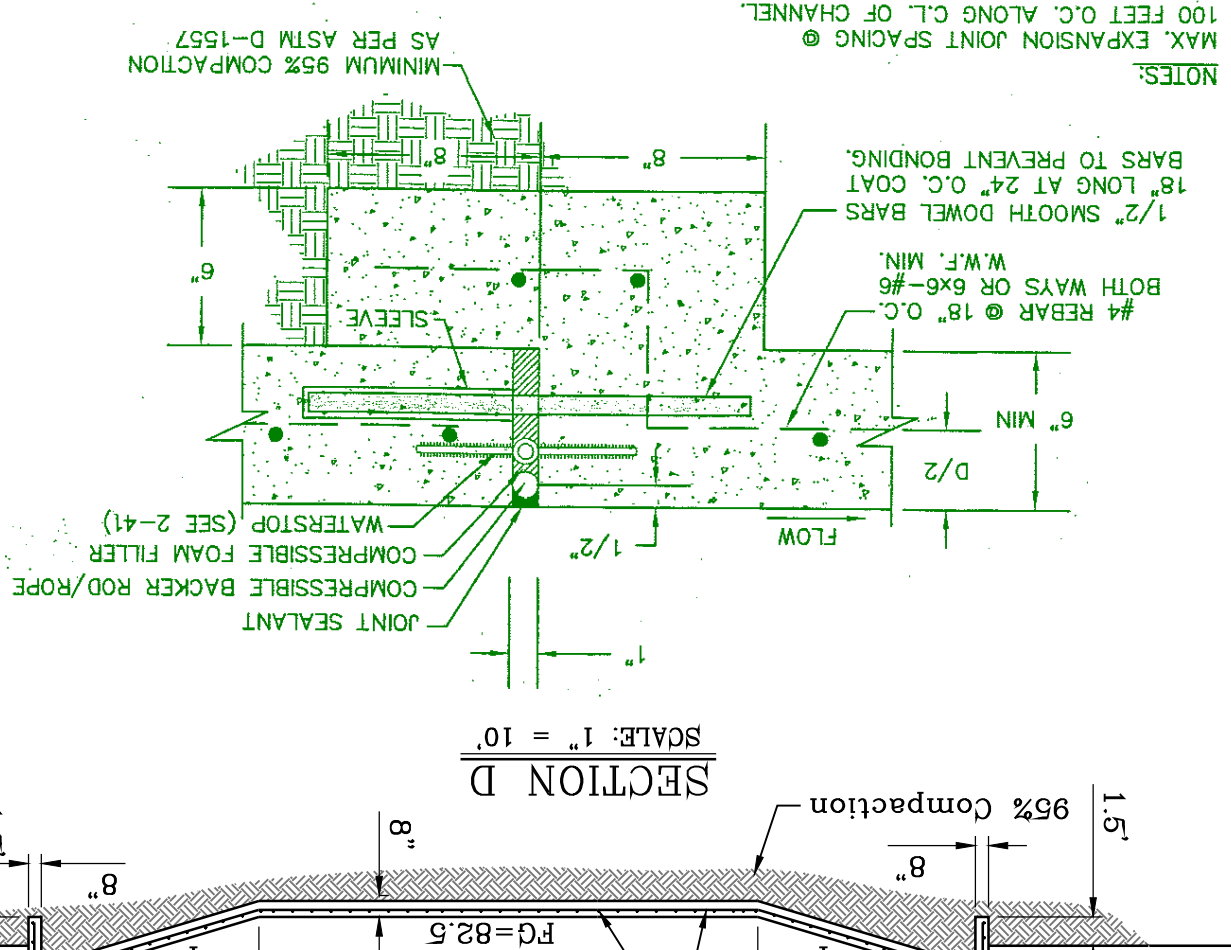
SECTION B
SCALE: 1" = 10'



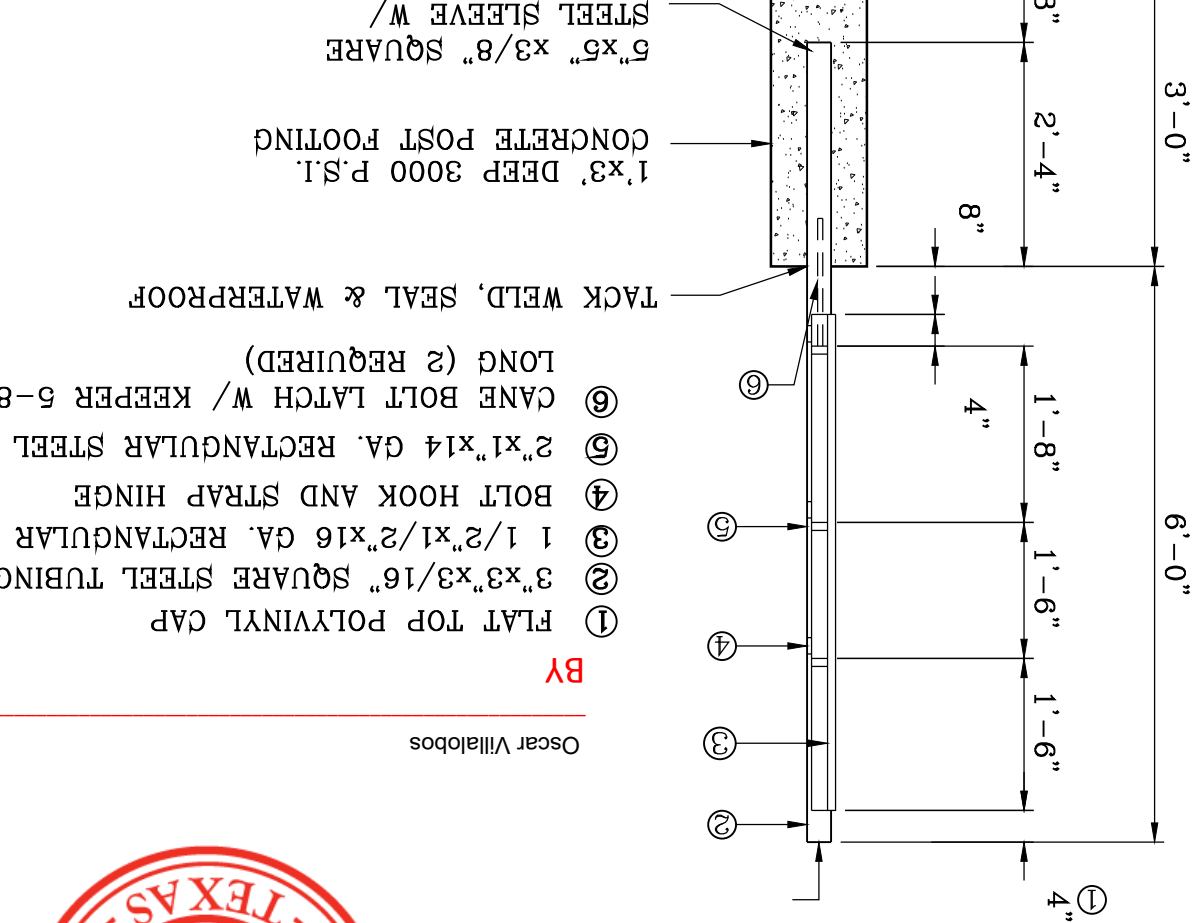
SECTION C
SCALE: 1" = 6'



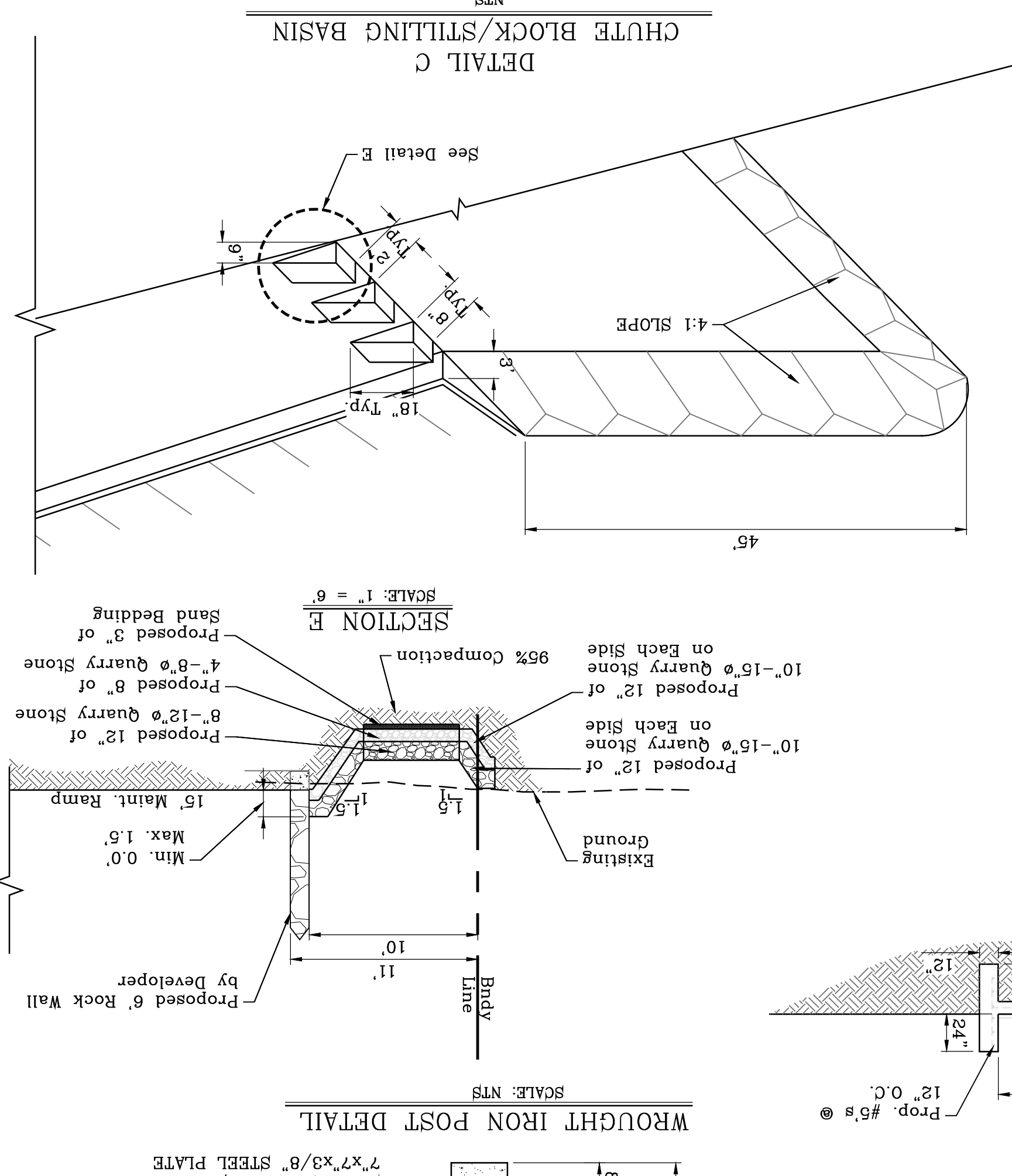
SECTION D
SCALE: 1" = 10'



SCALE: NTS



SCALE: NTS



SCALE: NTS

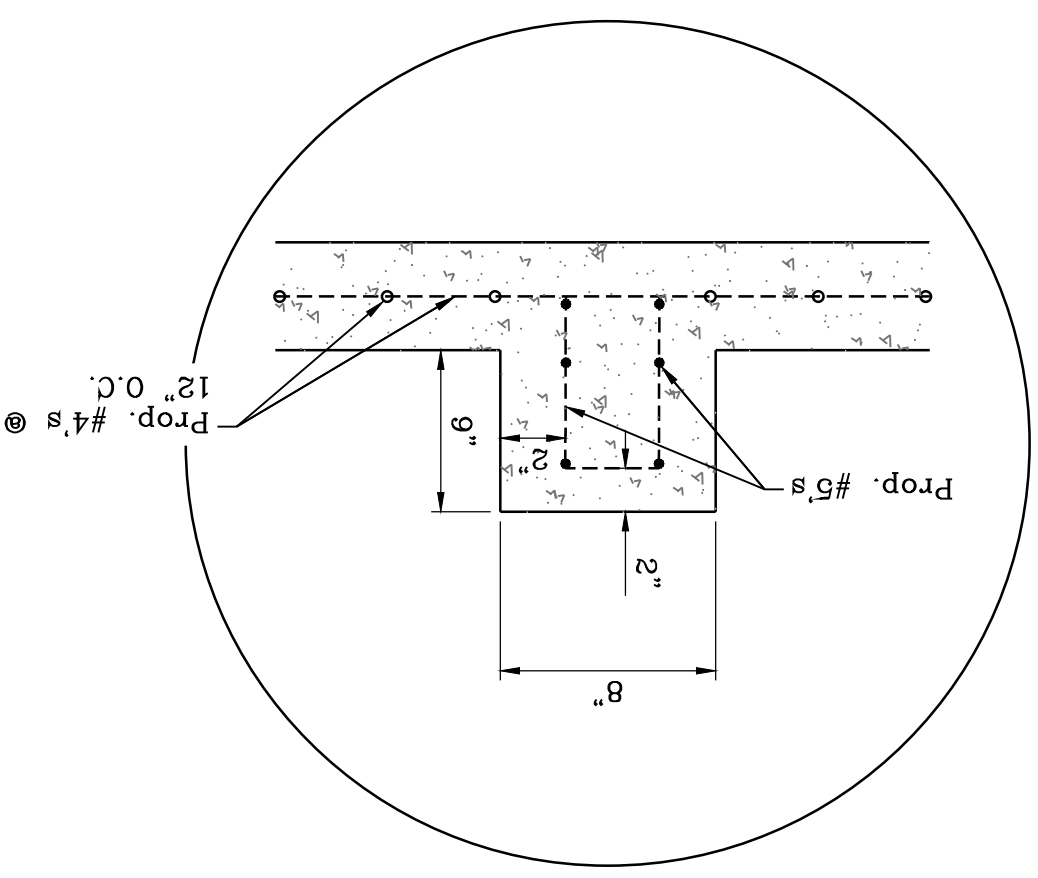
BY Oscar Villalobos
DATE 03/11/2022



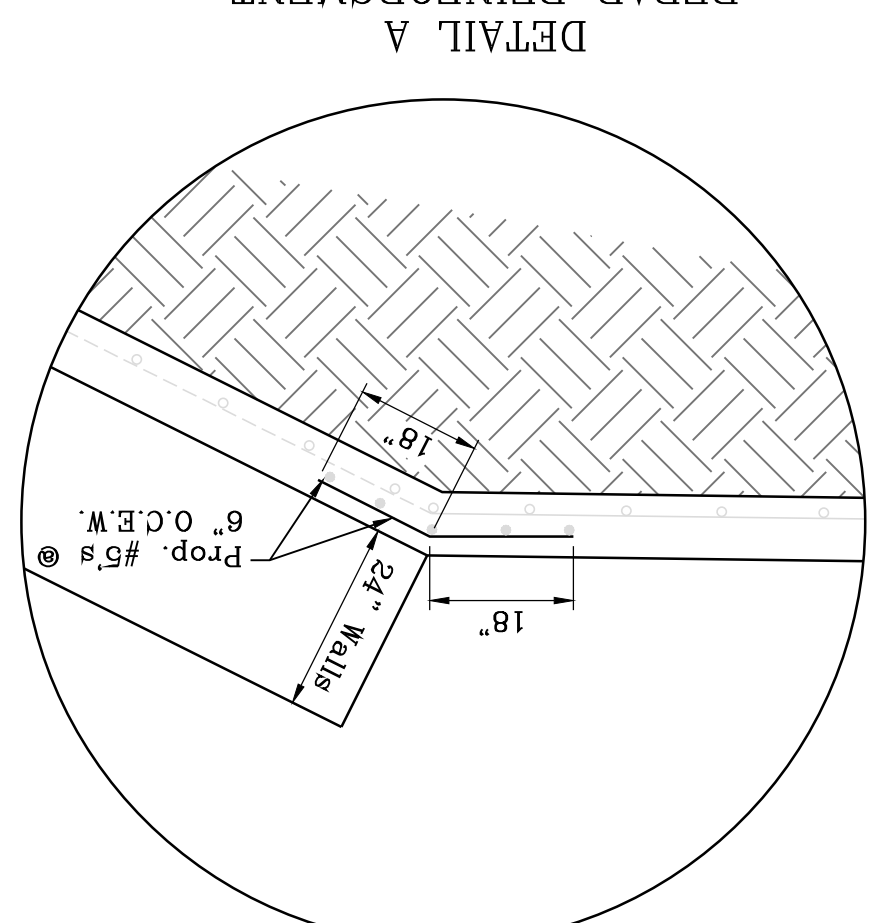
CONSTRUCTION NOTES:

1. ALL CONCRETE FOR STRUCTURES SHALL BE 4000 PSI.
2. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
3. 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1657.
4. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.

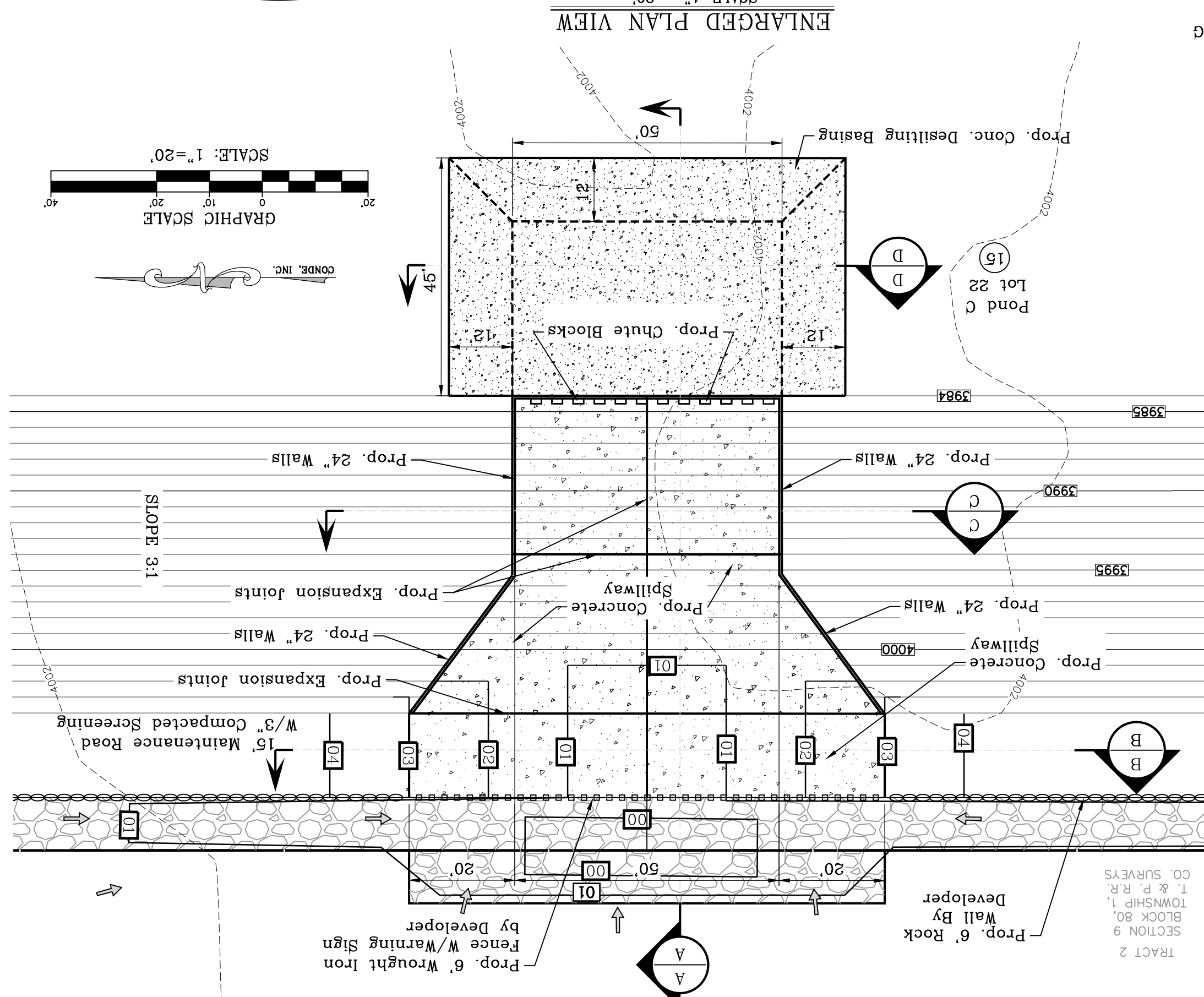
DETAIL D
CHUTE BLOCK REBAR DETAILS



DETAIL A
REBAR REINFORCEMENT

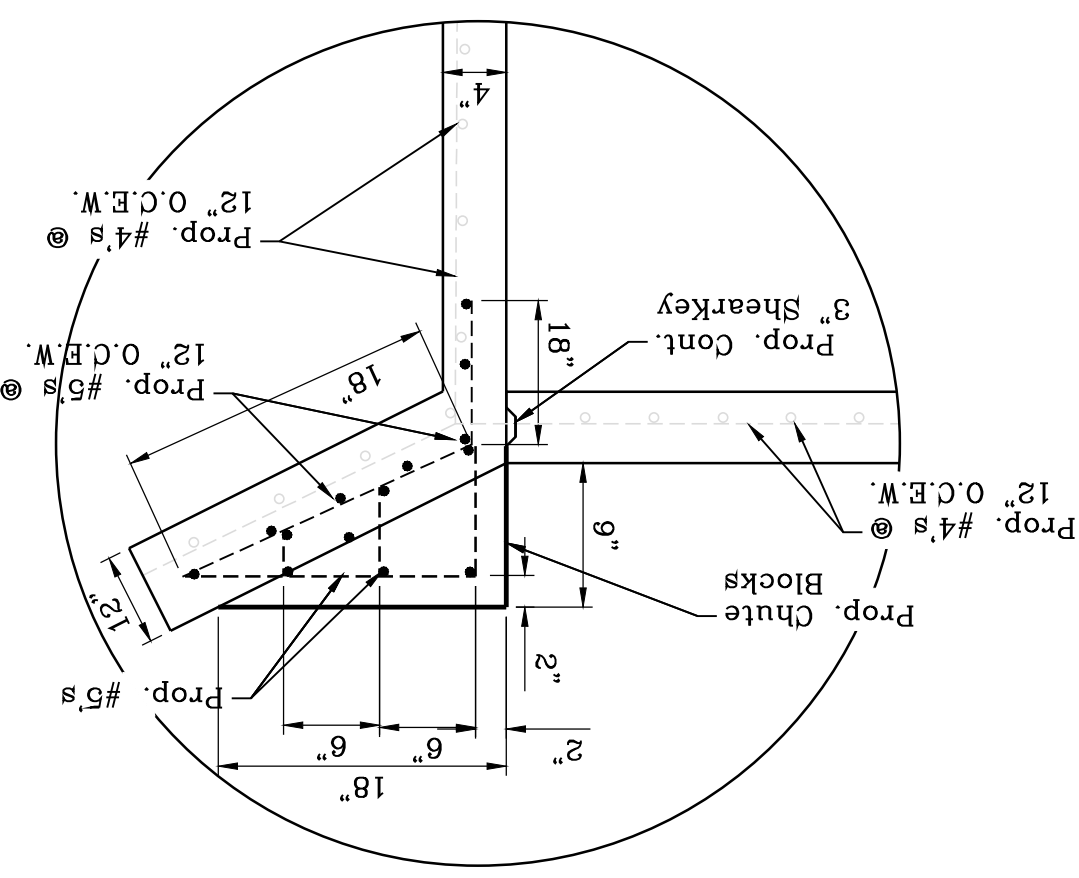


DETAIL B
and COUNTERFOOT DETAIL

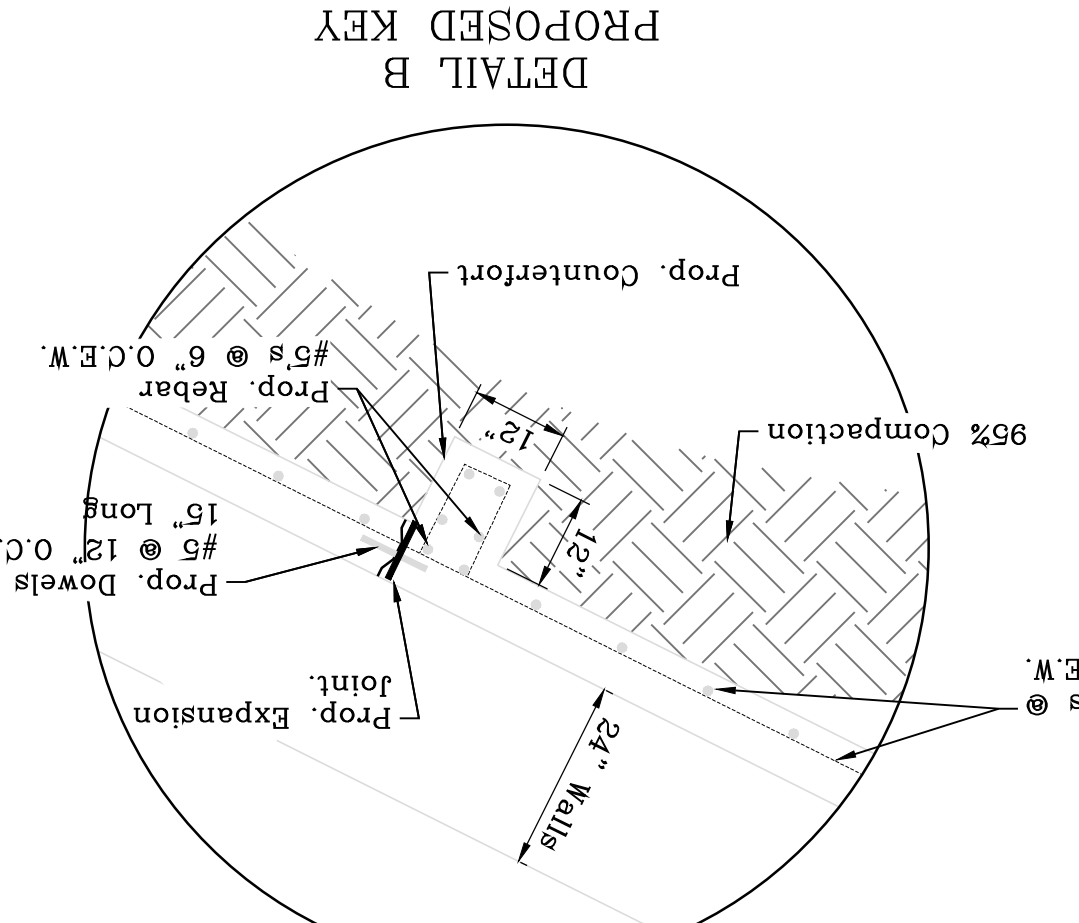


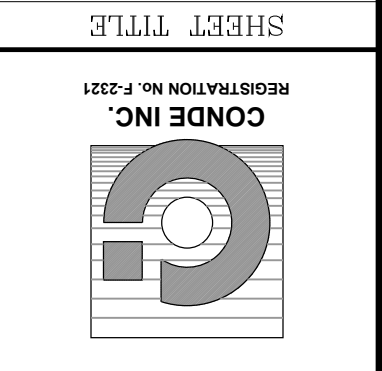
SCALE: 1" = 20'

DETAIL E
REBAR REINFORCEMENT



SCALE: 1" = 10'





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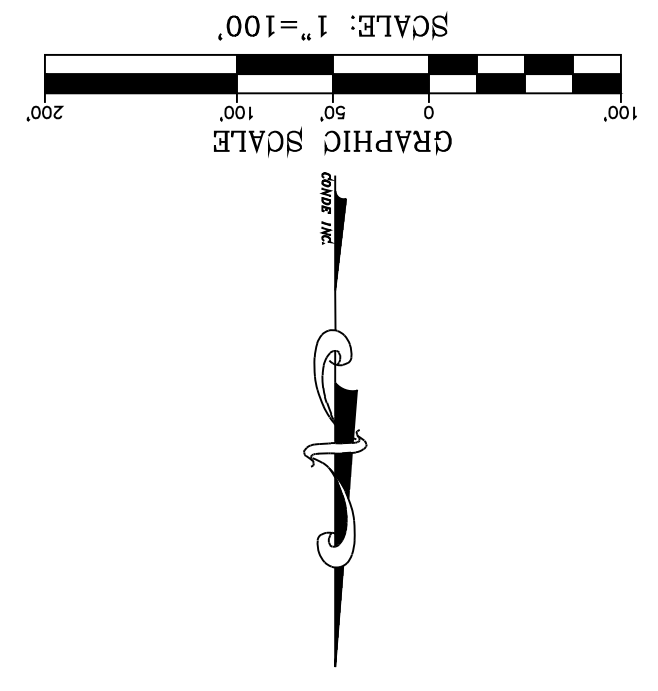
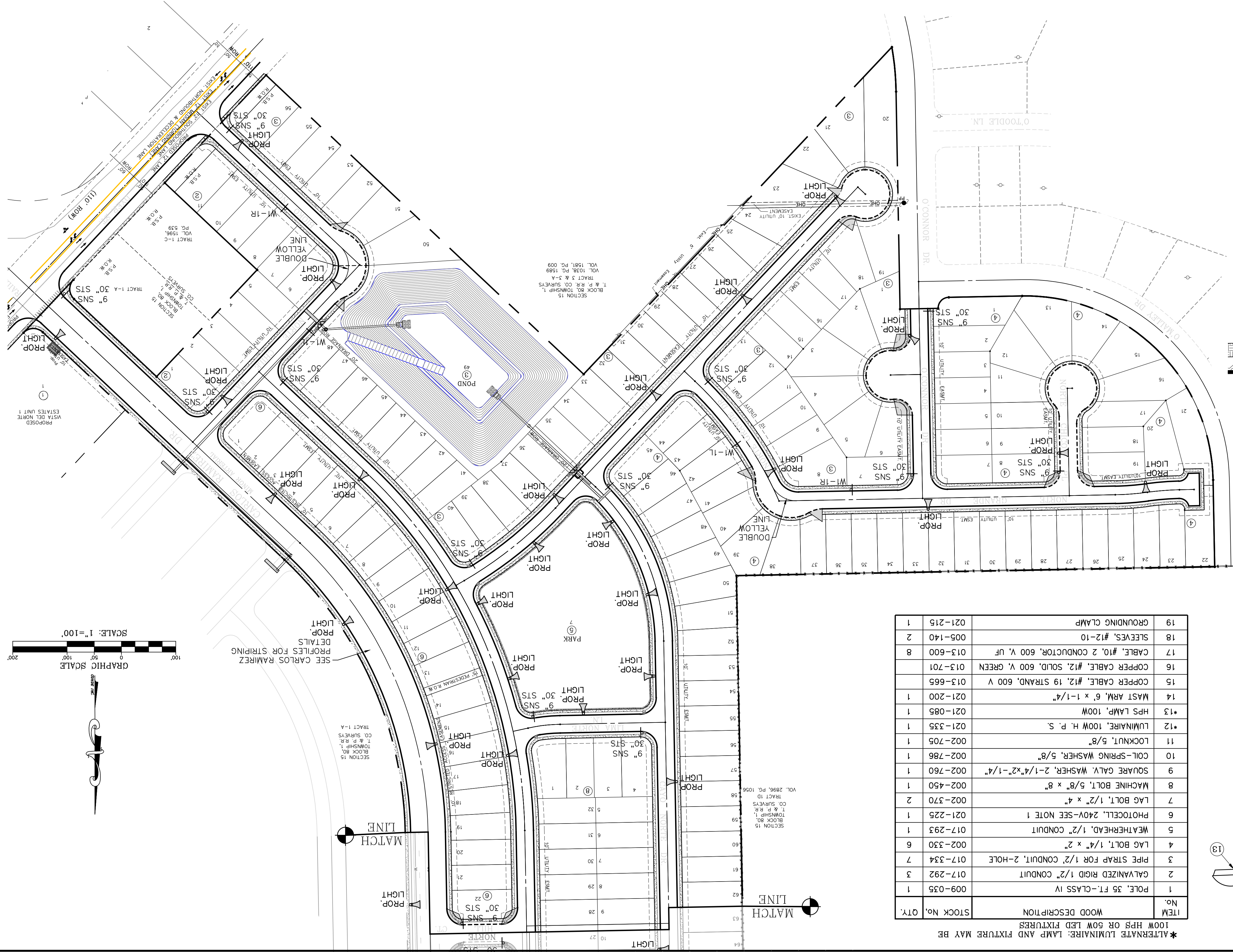


SCALE
HORIZ. 1" = 100'
VERT. 1" = 100'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

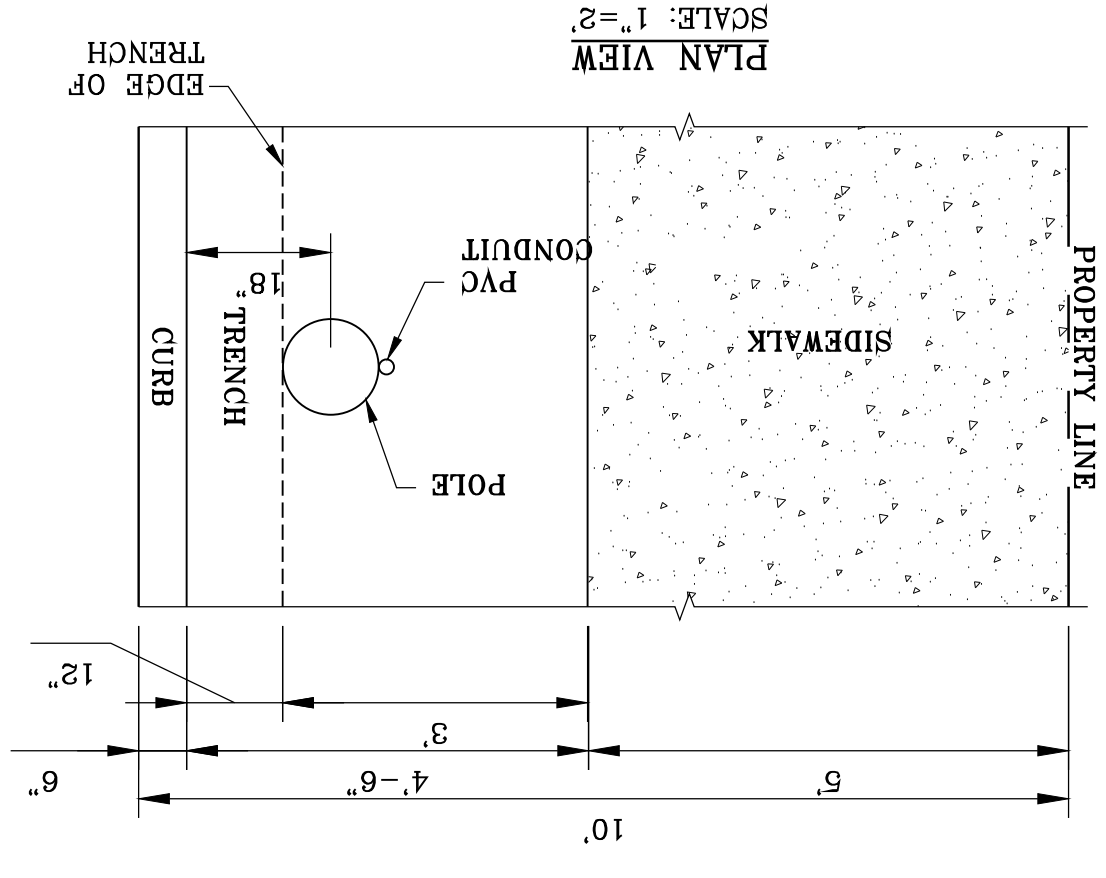
BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS CONTAINING: 129.622± ACRES

DATE: 03/11/2022
BY: Oscar Villalobos

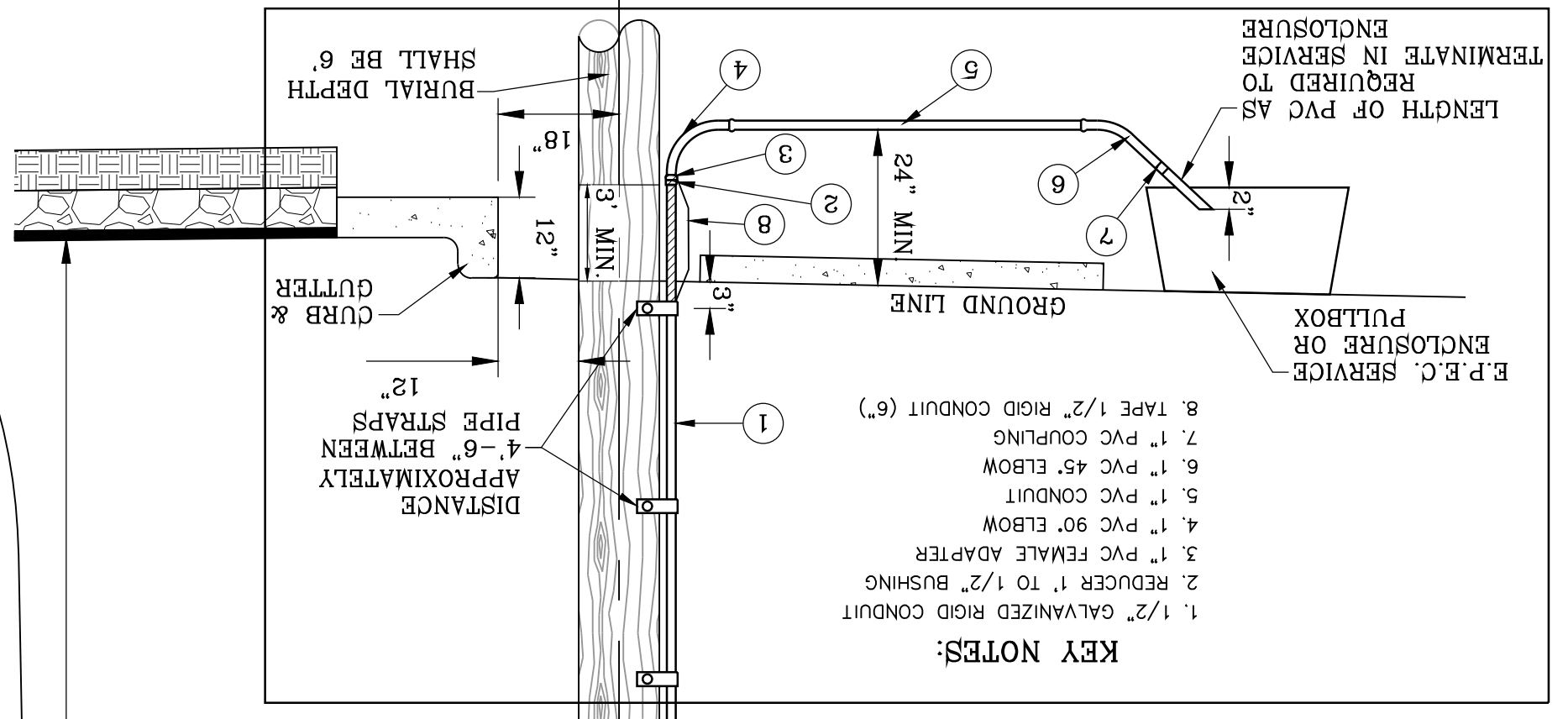


| ITEM No. | WOOD DESCRIPTION | STOCK No. | QTY. |
|----------|--|-----------|------|
| 1 | POLE, 35 FT.-CLASS IV | 009-035 | 1 |
| 2 | GALVANIZED RIGID 1/2" CONDUIT | 017-292 | 3 |
| 3 | PIPE STRAP FOR 1/2" CONDUIT, 2-HOLE | 017-334 | 7 |
| 4 | LAG BOLT, 1/4" x 2" | 002-330 | 6 |
| 5 | WEATHERHEAD, 1/2" CONDUIT | 017-293 | 1 |
| 6 | PHOTOCELL, 240V-SEE NOTE 1 | 021-225 | 1 |
| 7 | LAG BOLT, 1/2" x 4" | 002-370 | 2 |
| 8 | MACHINE BOLT, 5/8" x 8" | 002-450 | 1 |
| 9 | SQUARE GALV. WASHER, 2-1/4"x2"-1/4" | 002-760 | 1 |
| 10 | COL.-SPRING WASHER, 5/8" | 002-786 | 1 |
| 11 | LOCKNUT, 5/8" | 002-705 | 1 |
| 12 | LUMINAIRE, 100W H.P.S. | 021-335 | 1 |
| 13 | HPS LAMP, 100W | 021-085 | 1 |
| 14 | MAST ARM, 6' x 1-1/4" | 021-200 | 1 |
| 15 | COPPER CABLE, #12, 19 STRAND, 600 V | 013-665 | 1 |
| 16 | COPPER CABLE, #12, SOLID, 600 V, GREEN | 013-701 | 1 |
| 17 | CABLE, #10, 2 CONDUCTOR, 600 V, UF | 013-600 | 8 |
| 18 | SLEEVES, #12-10 | 005-140 | 2 |
| 19 | GROUNDING CLAMP | 021-215 | 1 |

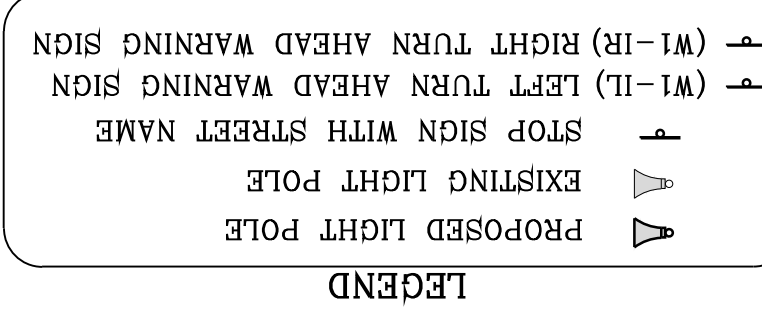
*ALTERNATE LUMINAIRE, LAMP AND FIXTURE MAY BE 100W HPS OR 60W LED FIXTURES



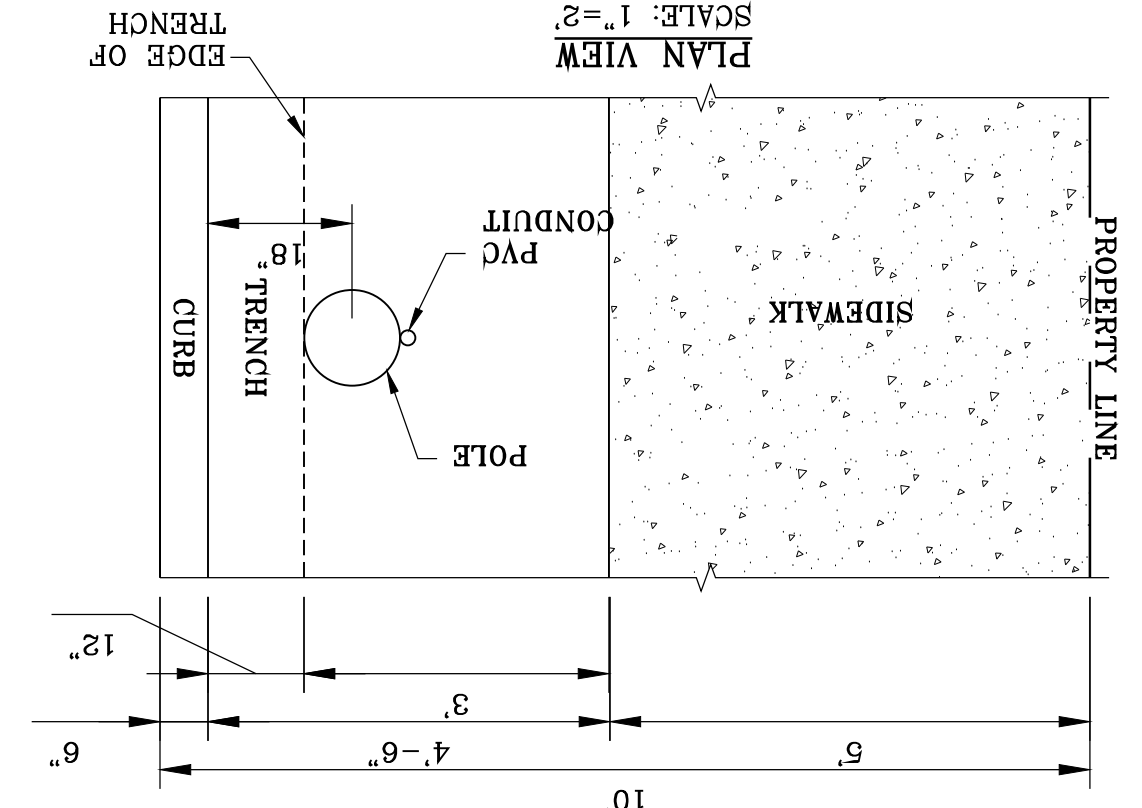
UNDERGROUND RESIDENTIAL STREET LIGHT WOOD POLE
E.P.E.C. STD. DSU 806
SCALE: 1"=2'



NOTE: STREET LIGHTING TO BE IN ACCORDANCE WITH EL PASO DESIGN STANDARDS, SECTION VIII
NOTE: INSTALL TRAFFIC CONTROL DEVICES AS SHOWN AND IN ACCORDANCE WITH CITY OF EL PASO STANDARDS, SECTION VII
NOTE: LUMINAIRE NEED TO BE LED MINIMUM 65 WATTS ALONG PARKS.
NOTE: LIGHT POLES ALONG PARKS ARE BREAKAWAY STEEL, SEE SHEET 82 FOR DETAILS.



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| 3 | PIPE STRAP FOR 1/2" CONDUIT, 2-HOLE | 017-334 | 7 |
| 4 | LAG BOLT, 1/4" x 2" | 002-330 | 6 |
| 5 | WEATHERHEAD, 1/2" CONDUIT | 021-225 | 1 |
| 6 | PHOTOCELL, 240V-SEE NOTE 1 | 021-225 | 1 |
| 7 | LAG BOLT, 1/2" x 4" | 002-370 | 2 |
| 8 | MACHINE BOLT, 5/8" x 8" | 002-450 | 1 |
| 9 | SQUARE GALV. WASHER, 2-1/4"x2-1/4" | 002-760 | 1 |
| 10 | COIL-SPRING WASHER, 5/8" | 002-786 | 1 |
| 11 | LOOKOUT, 5/8" | 002-705 | 1 |
| 12 | LUMINAIRE, 100W H.P.S. | 021-335 | 1 |
| 13 | HPS LAMP, 100W | 021-085 | 1 |
| 14 | MAST ARM, 6" x 1-1/4" | 021-200 | 1 |
| 15 | COPPER CABLE, #12, 19 STRAND, 600 V | 013-665 | 1 |
| 16 | COPPER CABLE, #12, SOLID, 600 V, GREEN | 013-701 | 1 |
| 17 | CABLE, #10, 2 CONDUCTOR, 600 V, UF | 013-600 | 8 |
| 18 | SLEEVES, #12-10 | 005-140 | 2 |
| 19 | GROUNDING CLAMP | 021-215 | 1 |

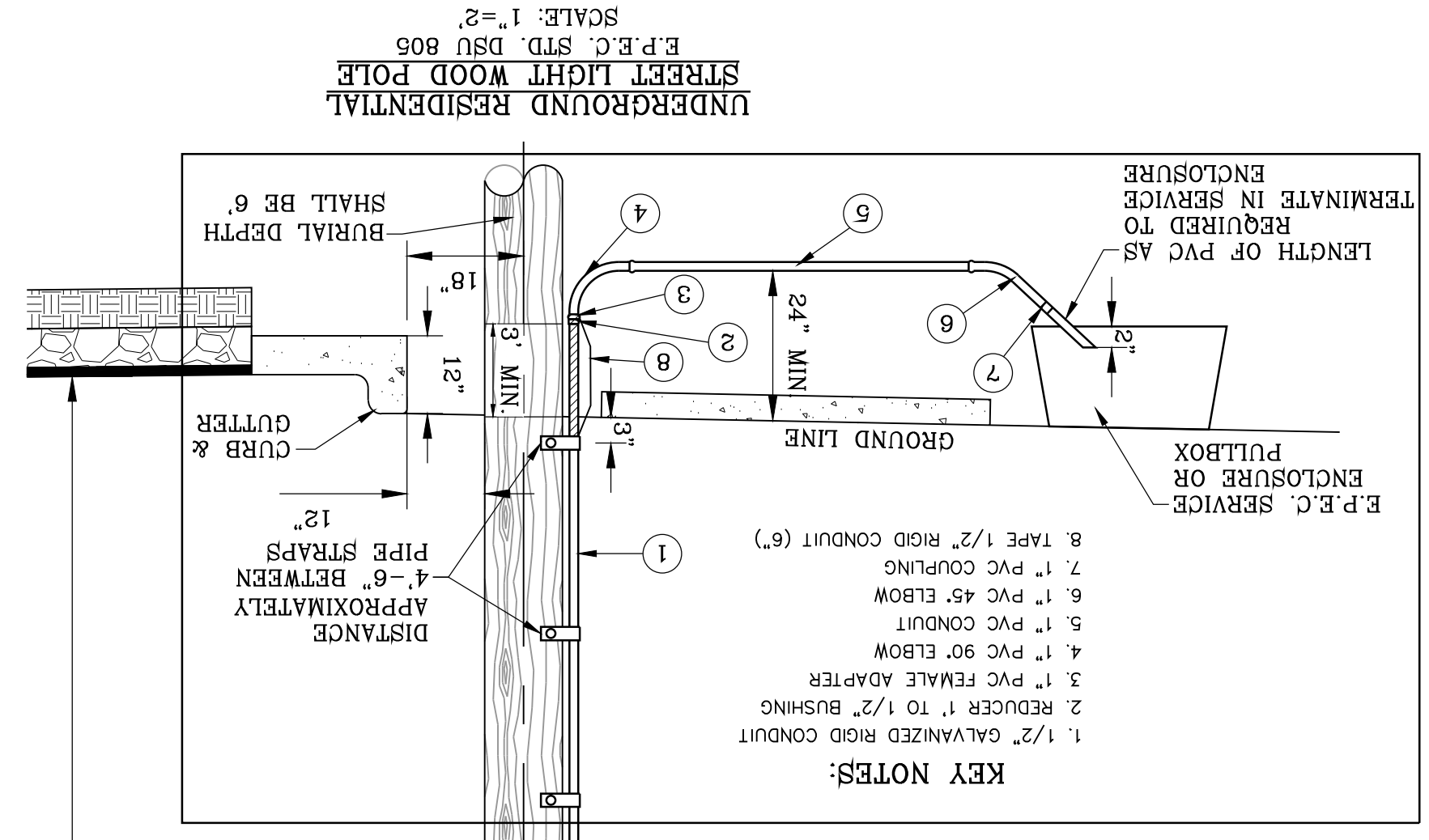


- LEGEND**
- ▲ PROPOSED LIGHT POLE
 - ▲ STOP SIGN WITH STREET NAME
 - ▲ (W1-L) LEFT TURN AHEAD WARNING SIGN
 - ▲ (W1-R) RIGHT TURN AHEAD WARNING SIGN

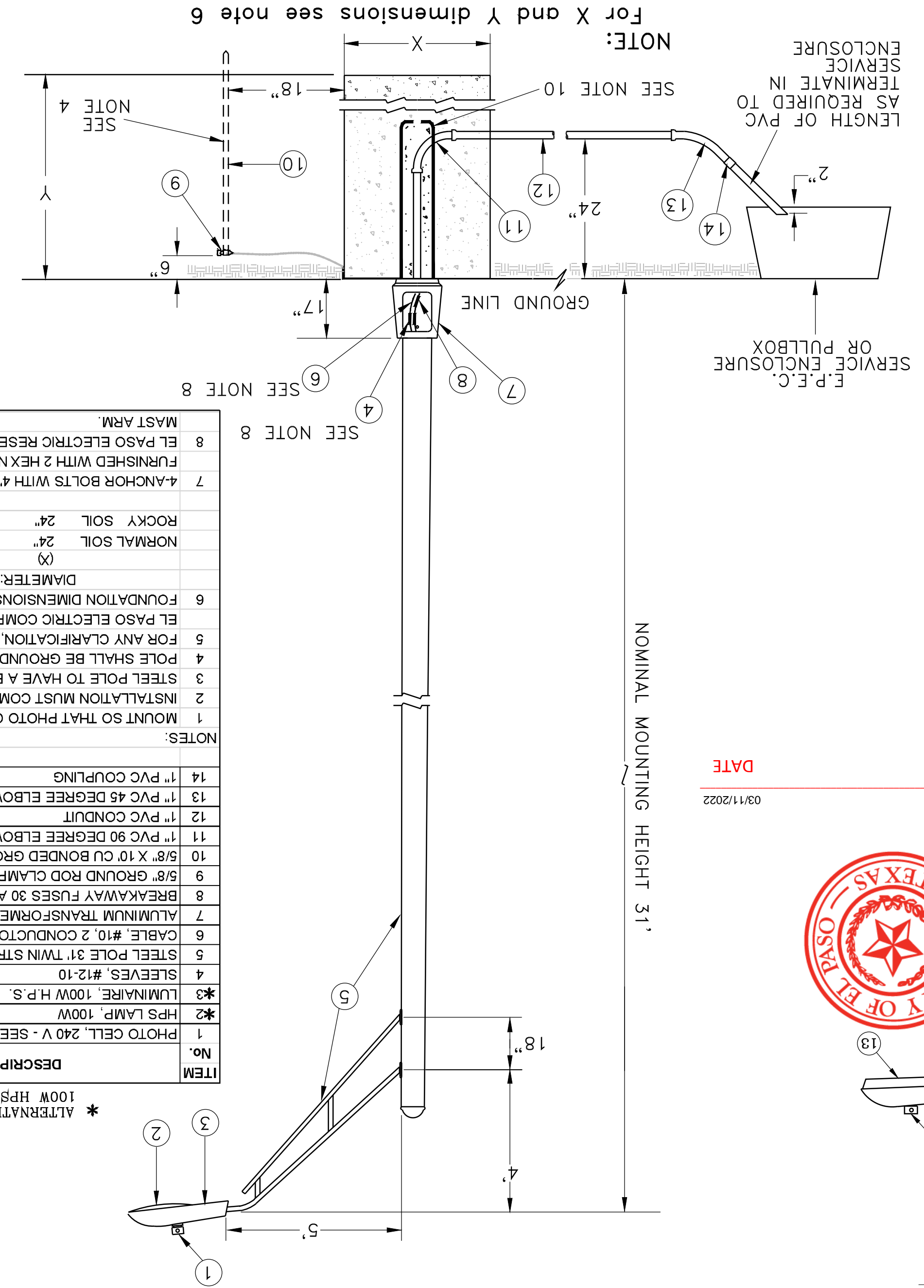
NOTE: STREET LIGHTING TO BE IN ACCORDANCE WITH EL PASO DESIGN STANDARDS, SECTION VIII

NOTE: INSTALL TRAFFIC CONTROL DEVICES AS SHOWN AND IN ACCORDANCE WITH CITY OF EL PASO STANDARDS, SECTION VII

NOTE: LUMINAIRE NEED TO BE LED MINIMUM 65 WATTS ALONG PARKS.



BY Oscar Villalobos DATE 03/11/2022



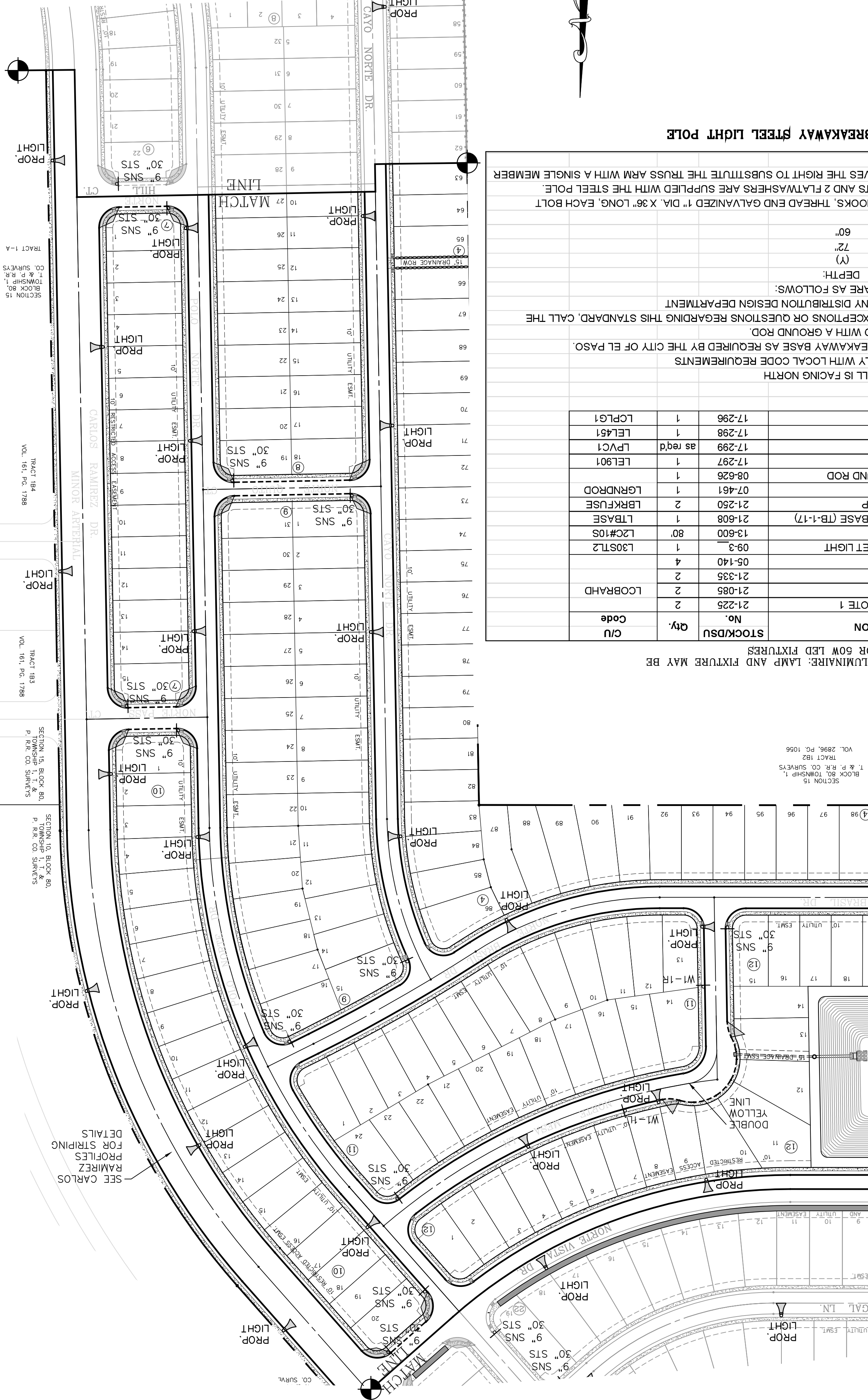
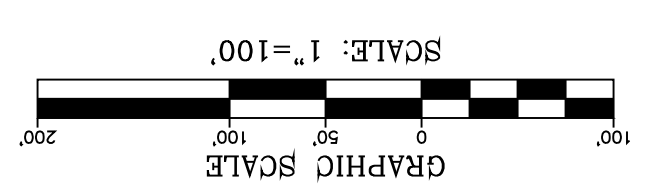
BREAKAWAY STEEL LIGHT POLE

NOTES:

- MOUNT SO THAT PHOTO CELL IS FACING NORTH
- INSTALLATION MUST COMPLY WITH LOCAL CODE REQUIREMENTS
- STEEL POLE TO HAVE A BREAKAWAY BASE AS REQUIRED BY THE CITY OF EL PASO.
- POLE SHALL BE GROUNDED WITH A GROUND ROD
- FOR ANY CLARIFICATION, EXCEPTIONS OR QUESTIONS REGARDING THIS STANDARD, CALL THE EL PASO ELECTRIC COMPANY DISTRIBUTION DESIGN DEPARTMENT
- FOUNDATION DIMENSIONS ARE AS FOLLOWS:
- 4-ANCHOR BOLTS WITH 4" HOOKS, THREAD END GALVANIZED 1" DIA. X 36" LONG, EACH BOLT FINISHED WITH 2 HEX NUTS AND 2 FLATWASHERS ARE SUPPLIED WITH THE STEEL POLE
- EL PASO ELECTRIC RESERVES THE RIGHT TO SUBSTITUTE THE TRUSS ARM WITH A SINGLE MEMBER MAST ARM

| ITEM No. | DESCRIPTION | STOCK#DSU | Qty. | CU | Code |
|----------|-------------------------------------|-----------|----------|----|----------|
| 1 | PHOTO CELL, 240 V - SEE NOTE 1 | 21-225 | 2 | | |
| 2 | HPS LAMP, 100W | 21-085 | 2 | | LCOBRAHD |
| 3 | LUMINAIRE, 100W H.P.S. | 21-335 | 2 | | |
| 4 | SLEEVES, #12-10 | 05-140 | 4 | | |
| 5 | STEEL POLE 31 TWIN STREET LIGHT | 09-3 | 80 | | L305TL2 |
| 6 | CABLE #10, 2 CONDUCTOR | 13-600 | 80 | | L2C#10S |
| 7 | ALUMINUM TRANSFORMER BASE (TB-1-17) | 21-608 | 1 | | LTFBASE |
| 8 | BREAKAWAY FUSES 30 AMP | 21-250 | 2 | | LBRKFUSE |
| 9 | 5/8" GROUND ROD CLAMP | 07-461 | 1 | | LGRNDROD |
| 10 | 5/8" X 10" CU BONDED GROUND ROD | 08-626 | 1 | | |
| 11 | 1" PVC 90 DEGREE ELBOW | 17-297 | 1 | | LLE901 |
| 12 | 1" PVC CONDUIT | 17-299 | as req'd | | LPC1 |
| 13 | 1" PVC 45 DEGREE ELBOW | 17-298 | 1 | | LLE451 |
| 14 | 1" PVC COUPLING | 17-296 | 1 | | LLOPLG1 |

* ALTERNATE LUMINAIRE, LAMP AND FIXTURE MAY BE 100W HPS OR 50W LED FIXTURES



SHT 82 OF 83

ILLUMINATION AND SIGNAGE PLAN

CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6040 SUZETTE DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286

ENGINEER'S SEAL
 OSCAR VILLALOBOS
 LICENSED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF TEXAS
 NO. 1116-63

SCALE
 HORIZ. 1" = 100'
 VERT. 1" = 100'

PROJECT NAME
VISTA DEL NORTE ESTATES UNIT TWO

REVISIONS

| DATE | DESCRIPTION |
|----------|--|
| 09/19/19 | CITY REDLINES AS PER 05/06/19 COMMENTS |
| 11/19/20 | CITY REDLINES AS PER 11/06/20 COMMENTS |

BY: F.R.

1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS LOCATED 1455' NAD 83 POINT FROM THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. ELEVATION 4004.41 AND 10 FEET TO OBTAIN NAD 83 DATUM AS REFERENCED TO NGS CONTROL NETS WITH COORDINATES OF NORTHING: 10734918.66 EASTING: 41368075. NORTHEAST DIRECTION/ALIGNED INTERSECTOR PLANS.

ILLUMINATION AND SIGNAGE PLAN

SHEET TITLE



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SUDBURY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



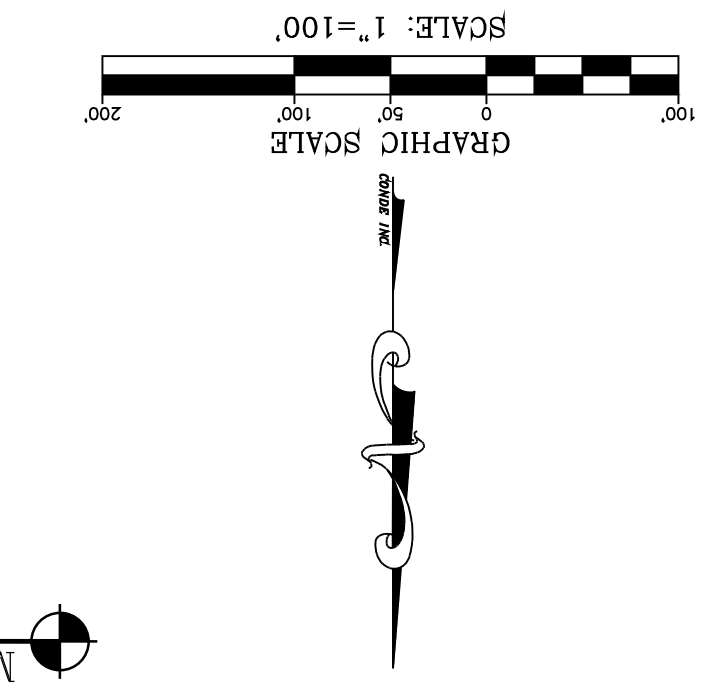
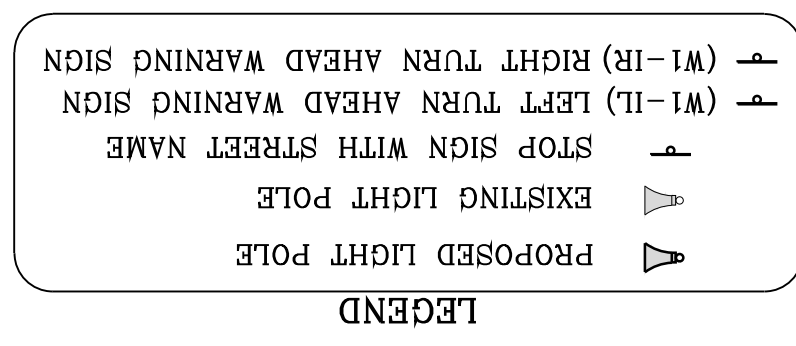
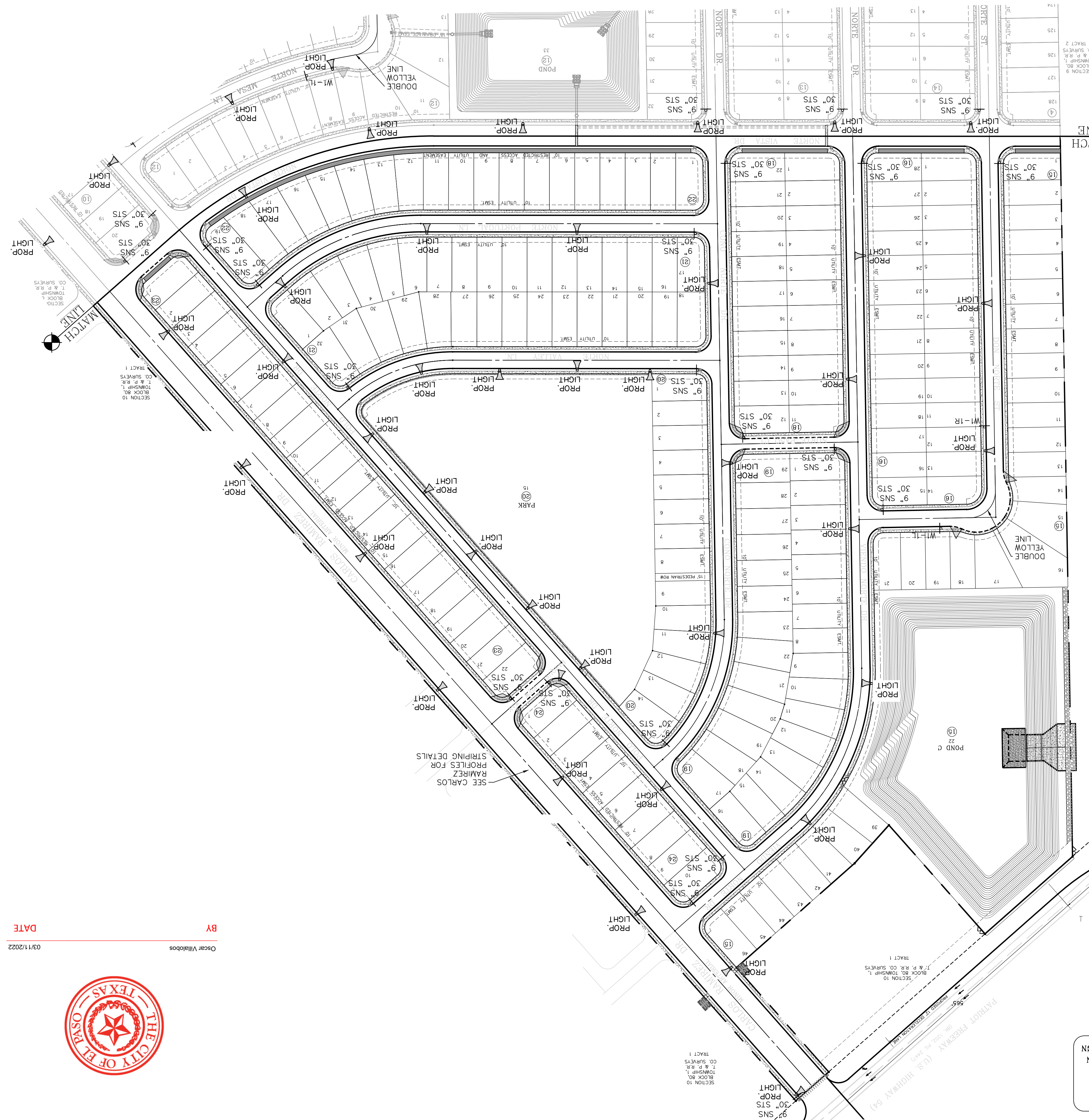
SCALE
HORIZ. 1" = 100'
VERT. 1" = 100'
DATE: MARCH 2017
DESIGN BY: Y.C.
INITIATED BY: F.R.
CHECKED BY: Y.C.
JOB NO.: 1116-63

VISTA DEL NORTE ESTATES UNIT TWO
PROJECT NAME
BRING A PORTION OF TRACT 1, SECTION 10, AND PORTION OF TRACTS 1A, 1B3, 1B4, 1C, SECTION 16, BLOCK 80, TOWNSHIP 1, TEXAS AND PACIFIC RAILROAD CO. SURVEYS, CITY OF EL PASO, TEXAS COUNTY, TEXAS.
CONTAINING: 128.622± ACRES

1/2" REBAR PANEL POINT FROM AERIAL TOPO PROVIDED BY OTHERS, LOCATED 1455'± FROM THE CORNER OF THE NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. THE REBAR PANEL POINT IS TO BE SET AT AN ELEVATION OF 4004.41 AND TO BE SET TO OBTAIN NAVD 88 DATUM AS REFERENCED TO THE NGD CONTROL NE3 WITH COORDINATES OF NORTING: 107349181868 EASTING: 413680075. NORTHWEST CORNER OF VISTA DEL NORTE ESTATES UNIT TWO. REVISIONS: 09/19/19 CITY REDLINES AS PER 05/06/19 COMMENTS F.R. 11/19/20 CITY REDLINES AS PER 11/06/20 COMMENTS F.R. 01/26/22 REVISED LIGHT POLES AT PARKS F.R.



DATE: 03/11/2022
BY: Oscar Villalobos

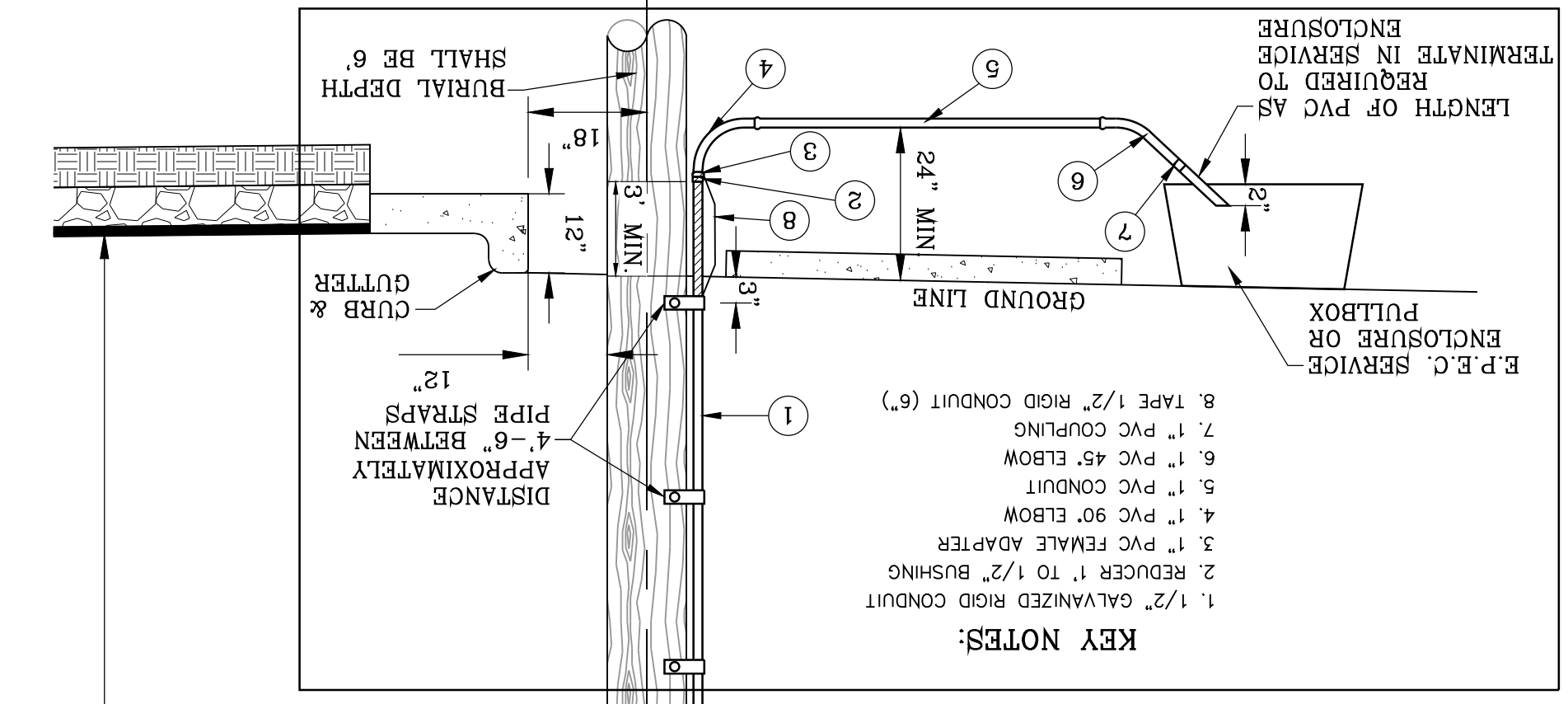


| ITEM No. | WOOD DESCRIPTION | STOCK No. | QTY. |
|----------|--|-----------|------|
| 1 | POLE, 35 FT.-CLASS IV | 009-035 | 1 |
| 2 | GALVANIZED RIGID 1/2" CONDUIT | 017-292 | 3 |
| 3 | PIPE STRAP FOR 1/2" CONDUIT, 2-HOLE | 017-334 | 7 |
| 4 | LAG BOLT, 1/4" x 2" | 002-330 | 6 |
| 5 | WEATHERHEAD, 1/2" CONDUIT | 017-293 | 1 |
| 6 | PHOTOCELL, 240V-SEE NOTE 1 | 021-225 | 1 |
| 7 | LAG BOLT, 1/2" x 4" | 002-370 | 2 |
| 8 | MACHINE BOLT, 5/8" x 8" | 002-450 | 1 |
| 9 | SQUARE GALV. WASHER, 2-1/4"x2-1/4" | 002-760 | 1 |
| 10 | COL-SPRING WASHER, 5/8" | 002-786 | 1 |
| 11 | LOCKNUT, 5/8" | 002-705 | 1 |
| *12 | LUMINAIRE, 100W H. P. S. | 021-335 | 1 |
| *13 | HPS LAMP, 100W | 021-085 | 1 |
| 14 | MAST ARM, 6' x 1-1/4" | 021-200 | 1 |
| 15 | COPPER CABLE, #12, 19 STRAND, 600 V | 013-665 | |
| 16 | COPPER CABLE, #12, SOLID, 600 V, GREEN | 013-701 | |
| 17 | CABLE, #10, 2 CONDUCTOR, 600 V, UF | 013-600 | 8 |
| 18 | SLEEVES, #12-10 | 005-140 | 2 |
| 19 | GROUNDING CLAMP | 021-215 | 1 |

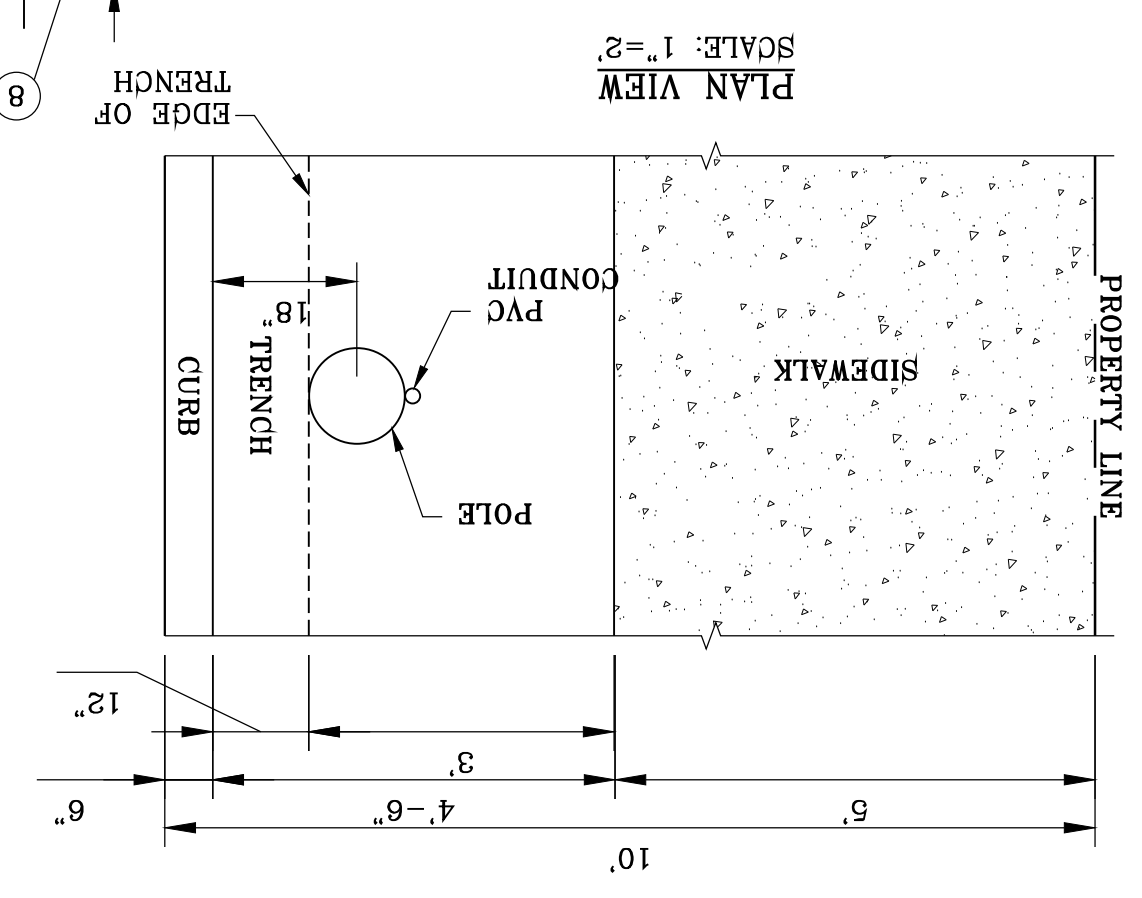
*ALTERNATE LUMINAIRE: LAMP AND FIXTURE MAY BE 100W HPS OR 60W LED FIXTURES

SCALE: 1" = 2"
E.P.C. STD. DSU 805

STREET LIGHT WOOD POLE



NOTE: STREET LIGHTING TO BE IN ACCORDANCE WITH SECTION VIII EL PASO DESIGN STANDARDS. SECTION VIII INSTALL TRAFFIC CONTROL DEVICES AS SHOWN AND IN ACCORDANCE WITH CITY OF EL PASO STANDARDS, SECTION VII DESIGN NOTE: LUMINAIRE NEED TO BE LED MINIMUM 65 WATTS ALONG PARKS ARE BREAKAWAY STEEL, SEE SHEET 82 FOR DETAILS. NOTE: LIGHT POLES ALONG PARKS



DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: FILE:

I. STORMWATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION 402

TPDES TXR 150000: Stormwater Discharge Permit or Construction General Permit required for projects with 1 or more acres disturbed soil. Projects with any disturbed soil must protect for erosion and sedimentation in accordance with Item 506.

List MS4 Operator(s) that may receive discharges from this project. They may need to be notified prior to construction activities.

1.
2.
 No Action Required Required Action

Action No.

- Prevent stormwater pollution by controlling erosion and sedimentation in accordance with TPDES Permit TXR 150000
- Comply with the SW3P and revise when necessary to control pollution or required by the Engineer.
- Post Construction Site Notice (CSN) with SW3P information on or near the site, accessible to the public and TCEQ, EPA or other inspectors.
- When Contractor project specific locations (PSL's) increase disturbed soil area to 5 acres or more, submit NOI to TCEQ and the Engineer.

II. WORK IN OR NEAR STREAMS, WATERBODIES AND WETLANDS CLEAN WATER ACT SECTIONS 401 AND 404

USACE Permit required for filling, dredging, excavating or other work in any water bodies, rivers, creeks, streams, wetlands or wet areas.

The Contractor must adhere to all of the terms and conditions associated with the following permit(s):

- No Permit Required
 Nationwide Permit 14 - PCN not Required (less than 1/10th acre waters or wetlands affected)
 Nationwide Permit 14 - PCN Required (1/10 to <1/2 acre, 1/3 in tidal waters)
 Individual 404 Permit Required
 Other Nationwide Permit Required: NWP# _____

Required Actions: List waters of the US permit applies to, location in project and check Best Management Practices planned to control erosion, sedimentation and post-project TSS.

1.
2.
3.
4.

The elevation of the ordinary high water marks of any areas requiring work to be performed in the waters of the US requiring the use of a nationwide permit can be found on the Bridge Layouts.

Best Management Practices:

| Erosion | Sedimentation | Post-Construction TSS |
|--|--|--|
| <input type="checkbox"/> Temporary Vegetation | <input type="checkbox"/> Silt Fence | <input type="checkbox"/> Vegetative Filter Strips |
| <input type="checkbox"/> Blankets/Matting | <input type="checkbox"/> Rock Berm | <input type="checkbox"/> Retention/Irrigation Systems |
| <input type="checkbox"/> Mulch | <input type="checkbox"/> Triangular Filter Dike | <input type="checkbox"/> Extended Detention Basin |
| <input type="checkbox"/> Sodding | <input type="checkbox"/> Sand Bag Berm | <input type="checkbox"/> Constructed Wetlands |
| <input type="checkbox"/> Interceptor Swale | <input type="checkbox"/> Straw Bale Dike | <input type="checkbox"/> Wet Basin |
| <input type="checkbox"/> Diversion Dike | <input type="checkbox"/> Brush Berms | <input type="checkbox"/> Erosion Control Compost |
| <input type="checkbox"/> Erosion Control Compost | <input type="checkbox"/> Erosion Control Compost | <input type="checkbox"/> Mulch Filter Berm and Socks |
| <input type="checkbox"/> Mulch Filter Berm and Socks | <input type="checkbox"/> Mulch Filter Berm and Socks | <input type="checkbox"/> Compost Filter Berm and Socks |
| <input type="checkbox"/> Compost Filter Berm and Socks | <input type="checkbox"/> Compost Filter Berm and Socks | <input type="checkbox"/> Vegetation Lined Ditches |
| | <input type="checkbox"/> Stone Outlet Sediment Traps | <input type="checkbox"/> Sand Filter Systems |
| | <input type="checkbox"/> Sediment Basins | <input type="checkbox"/> Grassy Swales |

III. CULTURAL RESOURCES

Refer to TxDOT Standard Specifications in the event historical issues or archeological artifacts are found during construction. Upon discovery of archeological artifacts (bones, burnt rock, flint, pottery, etc.) cease work in the immediate area and contact the Engineer immediately.

- No Action Required Required Action

Action No.

1.
2.
3.
4.

IV. VEGETATION RESOURCES

Preserve native vegetation to the extent practical. Contractor must adhere to Construction Specification Requirements Specs 162, 164, 192, 193, 506, 730, 751, 752 in order to comply with requirements for invasive species, beneficial landscaping, and tree/brush removal commitments.

- No Action Required Required Action

Action No.

1.
2.
3.
4.

V. FEDERAL LISTED, PROPOSED THREATENED, ENDANGERED SPECIES, CRITICAL HABITAT, STATE LISTED SPECIES, CANDIDATE SPECIES AND MIGRATORY BIRDS.

- No Action Required Required Action

Action No.

1.
2.
3.
4.

If any of the listed species are observed, cease work in the immediate area, do not disturb species or habitat and contact the Engineer immediately. The work may not remove active nests from bridges and other structures during nesting season of the birds associated with the nests. If caves or sinkholes are discovered, cease work in the immediate area, and contact the Engineer immediately.

LIST OF ABBREVIATIONS

| | |
|---|---|
| BMP: Best Management Practice | SPCC: Spill Prevention Control and Countermeasure |
| CGP: Construction General Permit | SW3P: Storm Water Pollution Prevention Plan |
| DSHS: Texas Department of State Health Services | PCN: Pre-Construction Notification |
| FHWA: Federal Highway Administration | PSL: Project Specific Location |
| MOA: Memorandum of Agreement | TCEQ: Texas Commission on Environmental Quality |
| MOU: Memorandum of Understanding | TPDES: Texas Pollutant Discharge Elimination System |
| MS4: Municipal Separate Stormwater Sewer System | TPWD: Texas Parks and Wildlife Department |
| MBTA: Migratory Bird Treaty Act | TxDOT: Texas Department of Transportation |
| NOT: Notice of Termination | T&E: Threatened and Endangered Species |
| NWP: Nationwide Permit | USACE: U.S. Army Corps of Engineers |
| NOI: Notice of Intent | USFWS: U.S. Fish and Wildlife Service |

VI. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES

General (applies to all projects):

Comply with the Hazard Communication Act (the Act) for personnel who will be working with hazardous materials by conducting safety meetings prior to beginning construction and making workers aware of potential hazards in the workplace. Ensure that all workers are provided with personal protective equipment appropriate for any hazardous materials used.

Obtain and keep on-site Material Safety Data Sheets (MSDS) for all hazardous products used on the project, which may include, but are not limited to the following categories: Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing compounds or additives. Provide protected storage, off bare ground and covered, for products which may be hazardous. Maintain product labelling as required by the Act.

Maintain an adequate supply of on-site spill response materials, as indicated in the MSDS. In the event of a spill, take actions to mitigate the spill as indicated in the MSDS, in accordance with safe work practices, and contact the District Spill Coordinator immediately. The Contractor shall be responsible for the proper containment and cleanup of all product spills.

Contact the Engineer if any of the following are detected:

- * Dead or distressed vegetation (not identified as normal)
- * Trash piles, drums, canister, barrels, etc.
- * Undesirable smells or odors
- * Evidence of leaching or seepage of substances

Does the project involve any bridge class structure rehabilitation or replacements (bridge class structures not including box culverts)?

- Yes No

If "No", then no further action is required.

If "Yes", then TxDOT is responsible for completing asbestos assessment/inspection.

Are the results of the asbestos inspection positive (is asbestos present)?

- Yes No

If "Yes", then TxDOT must retain a DSHS licensed asbestos consultant to assist with the notification, develop abatement/mitigation procedures, and perform management activities as necessary. The notification form to DSHS must be postmarked at least 15 working days prior to scheduled demolition.

If "No", then TxDOT is still required to notify DSHS 15 working days prior to any scheduled demolition.

In either case, the Contractor is responsible for providing the date(s) for abatement activities and/or demolition with careful coordination between the Engineer and asbestos consultant in order to minimize construction delays and subsequent claims.

Any other evidence indicating possible hazardous materials or contamination discovered on site. Hazardous Materials or Contamination Issues Specific to this Project:

- No Action Required Required Action

Action No.

1.
2.
3.

VII. OTHER ENVIRONMENTAL ISSUES

(includes regional issues such as Edwards Aquifer District, etc.)

- No Action Required Required Action

Action No.

1.
2.
3.



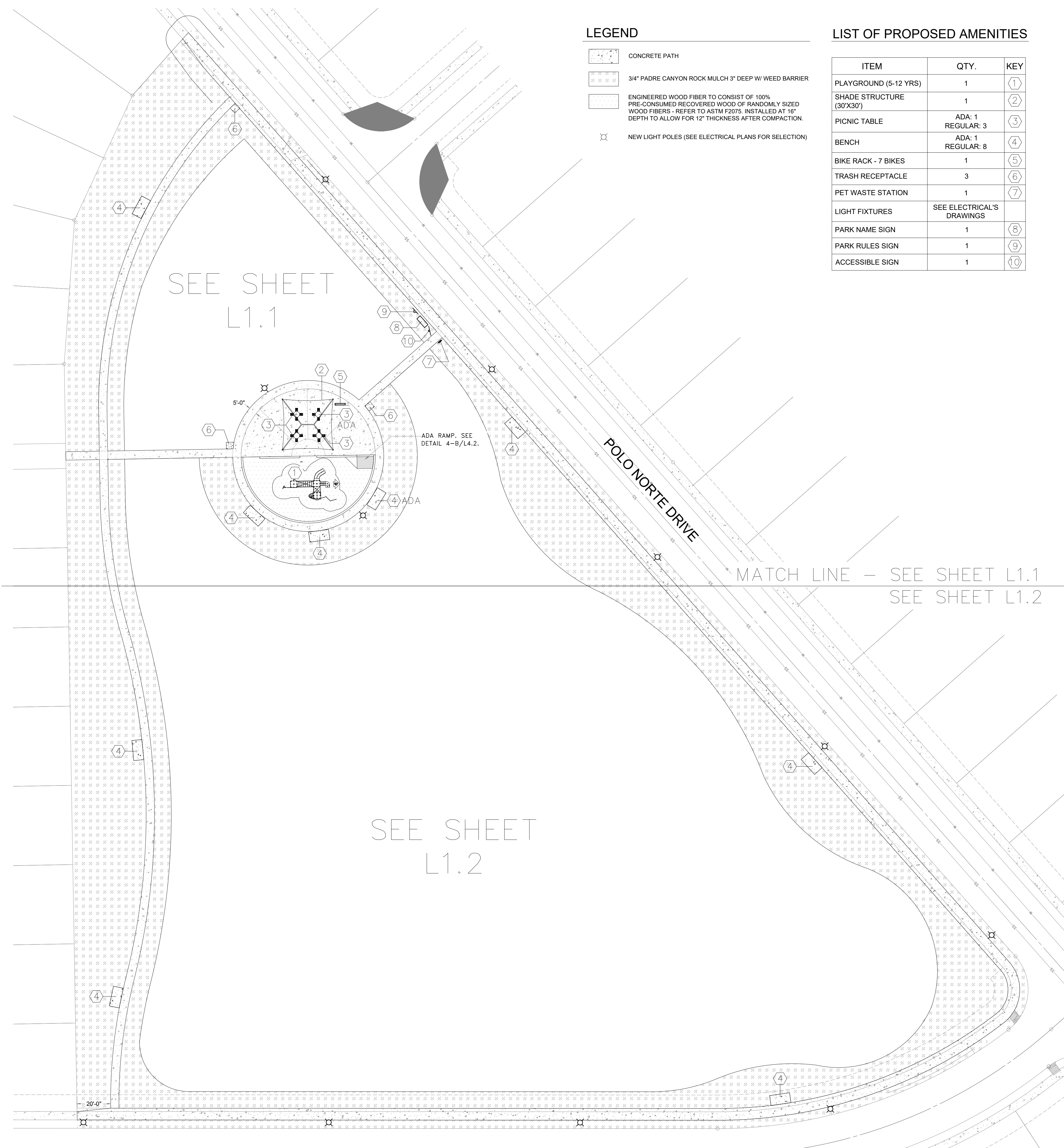
Oscar Villalobos

03/11/2022

BY

DATE

| | | | |
|---|-----------|---------------------------------|-----------|
| | | Design Division Standard | |
| ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS EPIC | | | |
| FILE: epic.dgn | DN: TxDOT | CK: RG | DW: VP |
| ©TxDOT: February 2015 | CONT | SECT | JOB |
| 12-12-2011 (DS) REVISIONS | HIGHWAY | | |
| 05-07-14 ADDED NOTE SECTION IV. | DIST | COUNTY | SHEET NO. |
| 01-23-2015 SECTION I (CHANGED ITEM 1122 TO ITEM 506, ADDED GRASSY SWALES. | | | |



LEGEND

- CONCRETE PATH
- 3/4" PADRE CANYON ROCK MULCH 3" DEEP W/ WEED BARRIER
- ENGINEERED WOOD FIBER TO CONSIST OF 100% PRE-CONSUMED RECOVERED WOOD OF RANDOMLY SIZED WOOD FIBERS - REFER TO ASTM F2075. INSTALLED AT 10" DEPTH TO ALLOW FOR 12" THICKNESS AFTER COMPACTION.
- NEW LIGHT POLES (SEE ELECTRICAL PLANS FOR SELECTION)

LIST OF PROPOSED AMENITIES

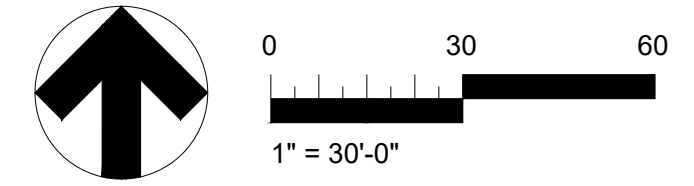
| ITEM | QTY. | KEY |
|---------------------------|---------------------------|-----|
| PLAYGROUND (5-12 YRS) | 1 | ① |
| SHADE STRUCTURE (30'X30') | 1 | ② |
| PICNIC TABLE | ADA: 1 REGULAR: 3 | ③ |
| BENCH | ADA: 1 REGULAR: 8 | ④ |
| BIKE RACK - 7 BIKES | 1 | ⑤ |
| TRASH RECEPTACLE | 3 | ⑥ |
| PET WASTE STATION | 1 | ⑦ |
| LIGHT FIXTURES | SEE ELECTRICAL'S DRAWINGS | |
| PARK NAME SIGN | 1 | ⑧ |
| PARK RULES SIGN | 1 | ⑨ |
| ACCESSIBLE SIGN | 1 | ⑩ |

GENERAL NOTES:

- THE CONTRACTOR SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE PROJECT SITE PRIOR TO SUBMITTING A BID.
- CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS, AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN, ARE IN CONFLICT WITH THE PROPOSED CONTRACT.
- WARNING! EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES, AND SERVICES PRIOR TO EXCAVATION. CONSTRUCTION WORK IN CLOSE PROXIMITY TO UNDERGROUND UTILITIES SHALL BE COORDINATED WITH THE APPROPRIATE AGENCY. CONTRACTOR SHALL REPLACE ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.
- THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH OWNER, ALL AFFECTED UTILITY COMPANIES, AND ALL OTHER ENTITIES HAVING JURISDICTION OVER THE PROJECT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES PRIOR TO COMMENCING WITH THE WORK. ANY DISCREPANCY NOTED SHALL BE REPORTED IMMEDIATELY TO THE OWNER. FAILURE OF THE CONTRACTOR TO REPORT ANY FIELD PLAN DISCREPANCIES SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR WORK THAT IS PERFORMED.
- VIBRATORY ROLLERS SHALL NOT BE PERMITTED ON THIS PROJECT.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN STRICT CONFORMANCE WITH ALL CURRENT SAFETY CODES AND STANDARDS, INCLUDING BUT NOT LIMITED TO OSHA REQUIREMENTS.
- CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL REQUIRED GRADING, ELECTRICAL, LANDSCAPE/IRRIGATION AND BUILDING PERMITS.
- CONTRACTOR SHALL WATER CONSTRUCTION SITE AREA A MINIMUM OF TWICE A DAY TO CONTROL DUST, ONCE IN THE MORNING AND ONCE IN THE AFTERNOON. THIS SHALL ALSO BE DONE ON WEEKENDS AND HOLIDAYS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING IMPROVEMENTS IN THE PROJECT AREA AND ITS VICINITY. ANY DAMAGE RESULTING FROM CONTRACTOR'S WORK SHALL BE RESTORED AT NO COST TO OWNER.
- CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS DURING CONSTRUCTION ACTIVITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ENVIRONMENTAL FINES RESULTING FROM HIS/HER WORK AND HOLD THE OWNER HARMLESS IN SUCH CASES.
- CONTRACTOR SHALL SECURE THE SITE DURING CONSTRUCTION TO PROTECT THE AREA FROM VANDALISM AND ILLEGAL TRESPASSING. CONTRACTOR SHALL SECURE THE SITE AT HIS/HER OWN COST.
- ALL EXISTING UTILITIES CURRENTLY IN SERVICE MUST REMAIN IN SERVICE THROUGHOUT CONSTRUCTIONS EXCEPT AS NOTED IN THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES (INCLUDING SERVICE CONNECTIONS) FROM DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITIES.
- PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO VERIFY LOCATION OF EXISTING UTILITIES AND CONTRACTOR SHALL CALL THE RESPECTIVE "1-CALL" NUMBER FOR SUCH UTILITIES.
- CONTRACTOR SHALL INSURE THE FOLLOWING: ALL PARK IMPROVEMENTS TO COMPLY WITH CURRENT AND APPLICABLE ADA AND T&S RULES AND REGULATIONS. ALL ACCESSIBLE ROUTES SHALL NOT EXCEED A RUNNING SLOPE GREATER THAN 1:20(5%). THE CROSS SLOPE OF AN ACCESSIBLE ROUTE SHALL NOT EXCEED 1:50(2%). MAXIMUM SLOPE OF ADJOINING CUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20(5%). MAXIMUM RUNNING SLOPE OF ANY CURB RAMP SHALL NOT EXCEED 1:12(8.33%) SLOPE.

PLAYGROUND & SWING EQUIPMENT NOTES

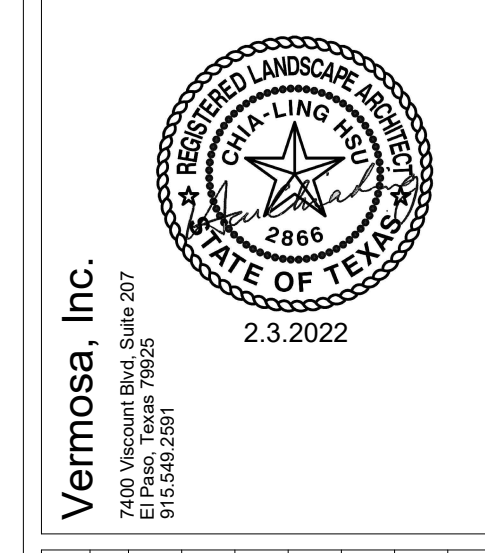
- EQUIPMENT AND COMPONENTS TO BE IPEMA CERTIFIED.
- EQUIPMENT MANUFACTURER TO COMPLY WITH ISO 9001.
- EQUIPMENT MANUFACTURER TO PROVIDE CLEAR INSTALLATION MANUAL AND PROJECT LAYOUT AT THE COMPLETION OF PROJECT HARD COPY.
- EQUIPMENT AND FALL SURFACING MUST COMPLY WITH CURRENT STANDARDS AND GUIDELINES.
- EQUIPMENT TO CALLED OUT WITH LENGTHS FOR OVERHEAD ACTIVITIES, SPACING BETWEEN RAILS FOR CURLY CLIMBERS, TRACK RIDES, ETC.
- EQUIPMENT TO HAVE SAFETY TOP RAIL WITH A MINIMUM OF 72 INCHES AT CLIMBING OR SLIDING ELEMENTS.
- EQUIPMENT MANUFACTURER SALES REPRESENTATIVE TO BE NPSI CERTIFIED.
- EQUIPMENT INSTALLATION TO BE INSPECTED AND CERTIFIED FOR PROPER ASSEMBLY BY MANUFACTURER REPRESENTATIVE NPSI CERTIFIED.
- EQUIPMENT MUST BE SUPERSEDED BY SUBMITTAL PACKETS THAT HAVE THE FOLLOWING INFORMATION FOR REVIEW AND RELEASE BY PROJECT DESIGNER AND PARK AND RECREATION STAFF:
 - PROJECT SITE PLAN REFLECTING CONSTRUCTION DRAWINGS OR ACTUAL FIELD CONDITIONS.
 - SITE PLAN WITH CONSTRUCTION POINTS.
 - SITE PLAN WITH DIMENSIONS FOR ALL USE ZONES AND BETWEEN INDEPENDENT PIECES OF EQUIPMENT.
 - LOCATION OF CONTAINMENT WALL OR CURB.
 - LOCATION, LIMITS AND DIMENSIONS OF ACCESSIBLE PATH OF TRAVEL.
 - LOCATION OF ANY SHADE CANOPIES AS APPLICABLE.
 - EQUIPMENT COLOR SELECTION CHART.
 - EQUIPMENT INFORMATION INCLUDING INSTALLATION.
- MANUFACTURER TO PROVIDE A SEALED MAINTENANCE KIT TO INCLUDE: TOOL BOX, SAND PAPER, OWNER'S MANUAL, HARDWARE (20 PIECES EACH MINIMUM) ASSORTED SIZES OF VANDAL PROOF NUTS, BOLTS, WASHERS, FASTENING TOOLS (ONE EACH SIZE - WRENCH AND CHUCK KEYS), 4CANS OF PRIMER, 2 CANS OF EACH COLOR OF TOUCH-UP PAINT, PLASTIC REPAIR KIT, ANTI-GRAFFITI REMOVER.
- EQUIPMENT INSTALLATION TO BE PERFORMED BY CONTRACTOR MEETING THE FOLLOWING REQUIREMENTS (a. AND b. ARE INSTALLATION EXPERIENCE REQUIREMENTS THAT MUST BE MET, c. AND d. ARE OPTIONAL REQUIREMENTS THAT MAY BE SUBSTITUTED FOR EITHER a. OR b.).
 - MINIMUM 8 YEARS EXPERIENCE INSTALLING SAME EQUIPMENT.
 - COMPLETE GOOD QUALITY INSTALLATION OF A MINIMUM OF 20 STRUCTURES OF SAME OR SIMILAR SIZE.
 - TRAINING AND CERTIFICATION BY EQUIPMENT MANUFACTURER.
 - NPSI CERTIFICATION.
- EQUIPMENT AND FALL SURFACES TO BE AUDITED AND TESTED BY AN INDEPENDENT EQUIPMENT INVENTORY, AND PLAN VIEW WITH DIMENSIONS OF PLAYGROUND IMPROVEMENTS, EQUIPMENT MANUFACTURER, AND FALL SURFACES MANUFACTURER WITH TOLL FREE NUMBERS. ANY ITEMS FOUND DEFICIENT IN AUDIT MUST BE CORRECTED AND A RE-AUDIT OF CORRECTED ITEM TO INSURE THAT ALL DEFICIENT ITEMS ARE ADDRESSED.
- PLAYGROUND AREA TO BE FENCED AND PROPERLY SECURED THROUGHOUT, COURSE OF CONSTRUCTION AND UP TO ACCEPTANCE PROJECT.
- EQUIPMENT TO HAVE MINIMUM 72" SAFETY USE (FALL) ZONE ASTM1487-11.
- CONSTRUCTION WORK ON PLAYGROUND AREA WILL NOT COMMENCE UNTIL ALL MATERIALS AND SUPPLIES ARE IN POSSESSION OF CONTRACTORS.
- CONTRACTOR WILL INSURE THAT WORK PROGRESS WILL BE ONGOING AND JOB SITE WILL NOT BE LEFT ABANDONED FOR ANY TIME PERIOD GREATER THAN 48 HOURS.
- CONTRACTOR WILL INSURE THAT JOB SITE IS KEPT CLEAN AND CLEAR OF ANY CONSTRUCTION DEBRIS ON A DAILY BASIS.
- CUSTOM SIGN TO BE FURNISHED BY PLAYGROUND MANUFACTURER WITH INFORMATION ON AGE APPROPRIATE USE, ADULT SUPERVISION RECOMMENDED, MANUFACTURER'S NAME AND 1-800 PHONE NUMBER, CITY OF EL PASO MAINTENANCE PHONE NUMBER OF (915) 621-6791 AND "WARNING" INSTALLATION OVER HARD SURFACE NOTICE. THE SPECIFIC VERBIAGE CAN BE WORKED OUT DURING PROJECT CONSTRUCTION.



100% CONSTRUCTION DOCUMENTS
**VISTA DEL NORTE ESTATES
 UNIT TWO PARKS
 POLO NORTE & RIO RIMAC PARK**
 POLO NORTE PARK 12701 POLO NORTE DRIVE
 RIO RIMAC PARK 7471 RIO RIMAC DR.
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

Southwest Land Development
Services, Inc.
 6868 Sweeny Dr #1000
 El Paso, TX 79905
 915.832.0280

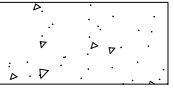


Quantum Engineering
Consultants, Inc.
 720 Arizona Ave
 El Paso, TX 79905
 915.832.2772



| Revision No. | Date | Description |
|--------------|-----------|---------------------------------|
| 1 | 4/9/2021 | Plan revised per City comments. |
| 2 | 6/1/2021 | Plan revised per City comments. |
| 3 | 10/1/2021 | Plan revised per City comments. |
| 4 | 2/9/2022 | Plan revised per City comments. |

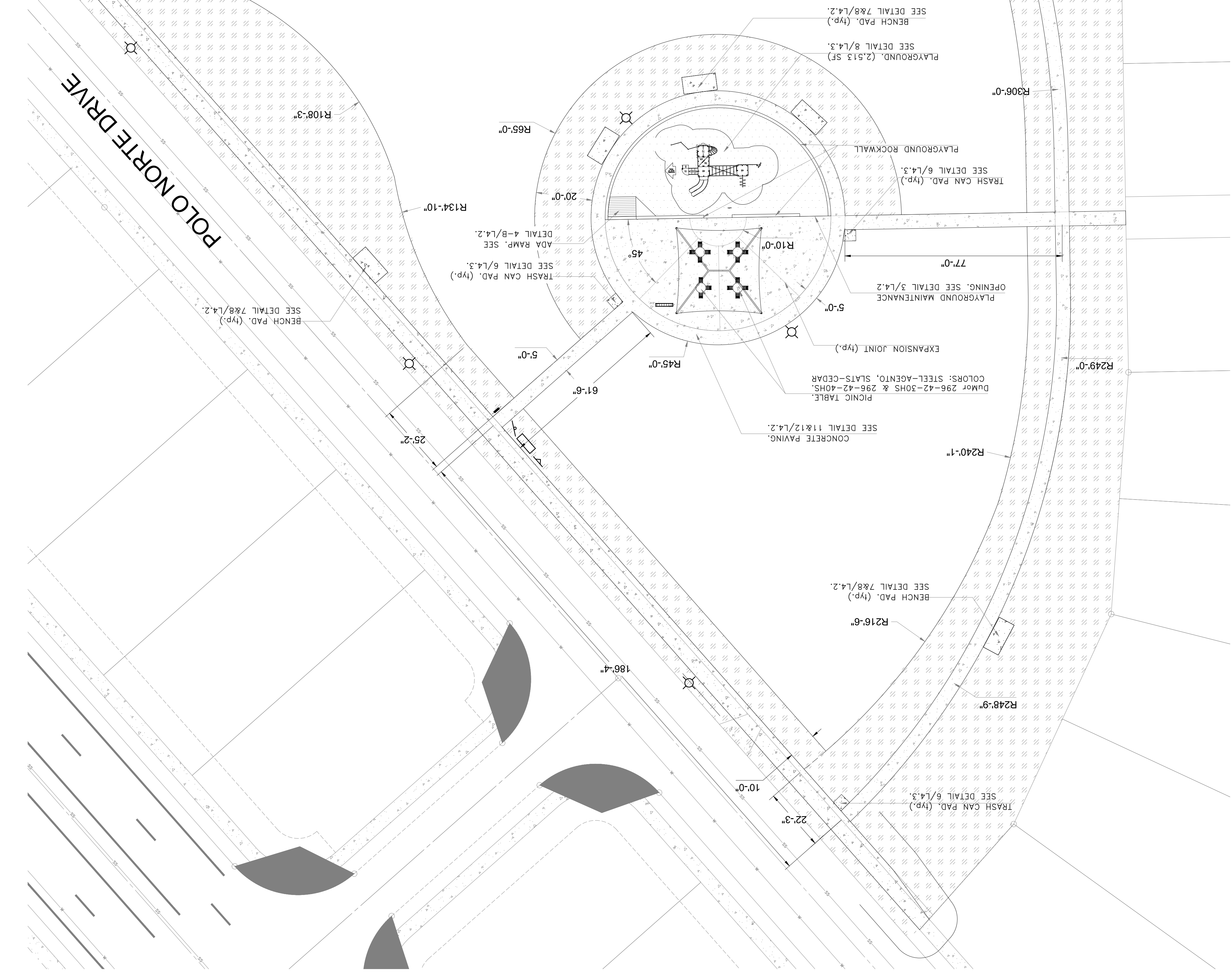
Project No.: _____
 Issued: _____
 Drawn By: CLH
 Checked By: FL
 Scale: Per Plan
 Sheet Title
**ORIENTATION PLAN
 POLO NORTE PARK**
L1.0
 Sheet Number

LEGEND

-  CONCRETE PATH
-  3/4\" PADRE CANYON ROCK MULCH 3\" DEEP W/ WEED BARRIER
-  ENGINEERED WOOD FIBER TO CONSIST OF 100% PRE-CONSUMED RECOVERED WOOD OF RANDOMLY SIZED WOOD FIBERS - REFER TO ASTM F2075, INSTALLED AT 16\" DEPTH TO ALLOW FOR 12\" THICKNESS AFTER COMPACTION.

NEW LIGHT POLES (SEE ELECTRICAL PLANS FOR SELECTION)

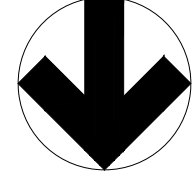
MATCH LINE - SEE SHEET L1.2



- NOTES:
1. ALL CONCRETE PAVING DIMENSIONS TO THE OUTER EDGE OF CONCRETE PAVING.
 2. SEE DETAILS FOR COORDINATE POINT POSITIONS FOR BENCH AND TRASH CAN PADS AND OTHER SIDE AMENITIES.
 3. ALL PARK AMENITIES TO HAVE POWDER COAT FINISH, COLOR SELECTION BY OWNER FROM STANDARD COLORS.
 4. PERIMETER LIGHTING SHALL COMPLY WITH THE PARKS DESIGN AND CONSTRUCTION STANDARDS. 65 WATT LED LUMINAIRE MIN. POLES SHALL BE METAL DIRECT BURY.
 5. SEE CIVIL PLANS FOR GRADING AND EROSION CONTROL.



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development Section
 Mark Chong - 02.28.2022
 Signature & Date




1" = 20'-0"
 0 20 40

Project No.:
 Drawn By: CLH
 Checked By: FL
 Scale: Per Plan
 Sheet Title: LAYOUT PLAN
 POLO NORTE PARK
 AREA 1
 Sheet Number: L1.1

| Revision | No. | Date | Description |
|----------|-----|-----------|---------------------------------|
| | 1 | 4/9/2021 | Plan revised per City comments. |
| | 2 | 6/1/2021 | Plan revised per City comments. |
| | 3 | 10/1/2021 | Plan revised per City comments. |
| | 4 | 2/2/2022 | Plan revised per City comments. |

Vermosa, Inc.
 7400 Verdugo Blvd, Suite 207
 El Paso, Texas 79905
 915.849.2599
 2.3.2022

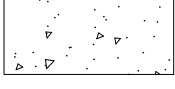

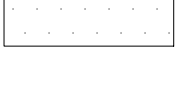


Quantum Engineering Consultants, Inc.
 750 Alameda Ave
 El Paso, Texas 79902
 915.849.2599

Southwest Land Development Services, Inc.
 6080 Shady Dr #300
 El Paso, Texas 79905
 915.849.2599

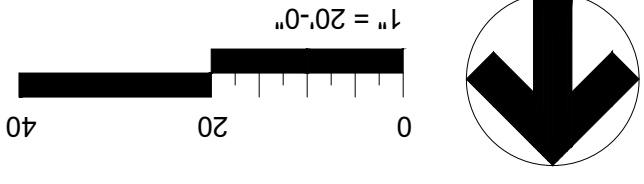
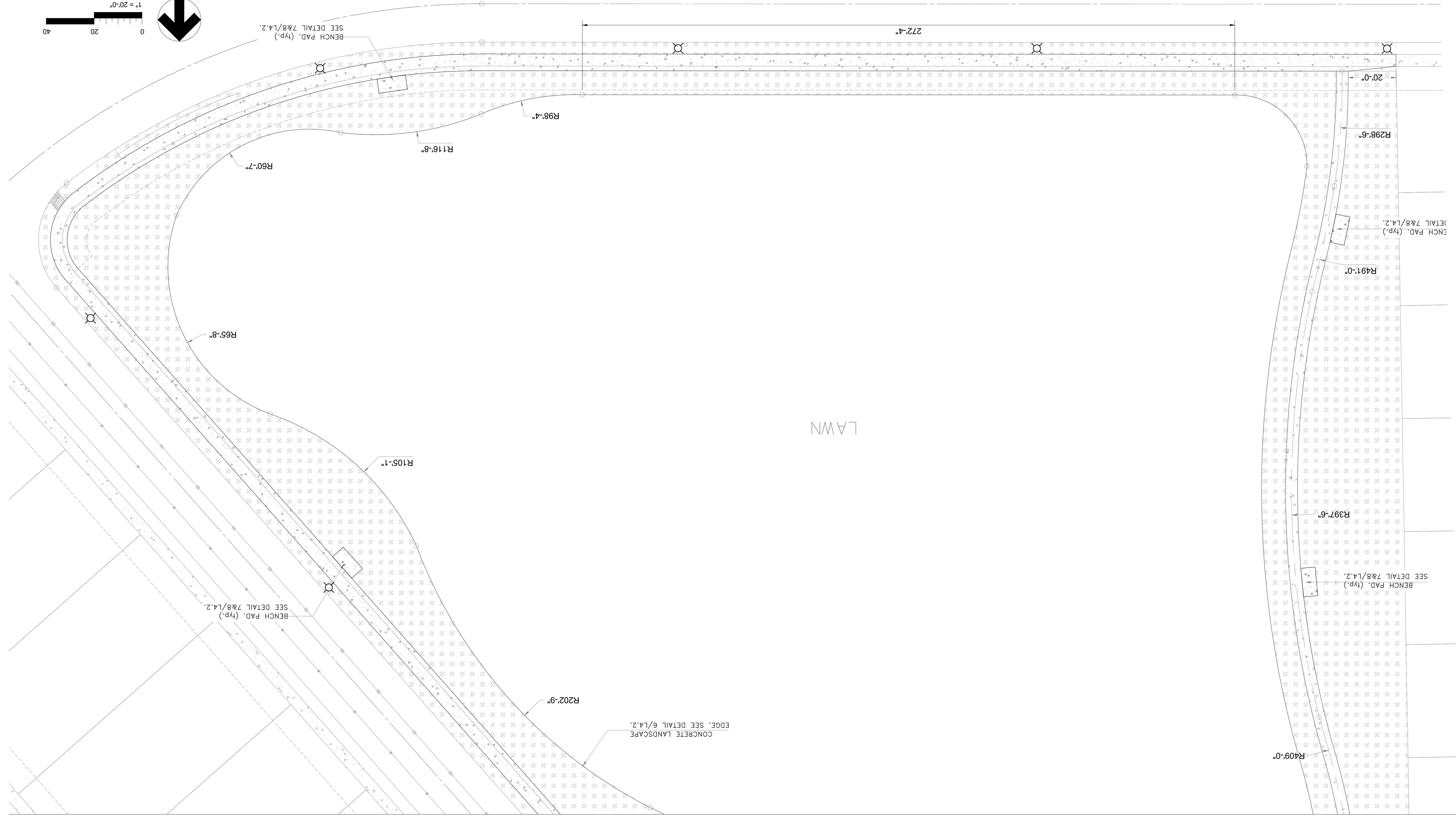
100% CONSTRUCTION DOCUMENTS
VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
 POLO NORTE PARK, 12701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

LEGEND

-  CONCRETE PATH
-  3/4\" PADRE CANYON ROCK MULCH 3\" DEEP W/ WEED BARRIER
-  ENGINEERED WOOD FIBER TO CONSIST OF 100% PRE-CONSUMED RECOVERED WOOD OF RANDOMLY SIZED WOOD FIBERS - REFER TO ASTM F2075, INSTALLED AT 16\" DEPTH TO ALLOW FOR 12\" THICKNESS AFTER COMPACTION.

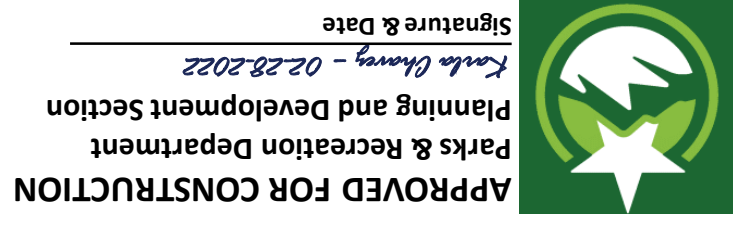
NEW LIGHT POLES (SEE ELECTRICAL PLANS FOR SELECTION)

NORTE VALLEY LANE



NOTES:

1. ALL CONCRETE PAVING DIMENSIONS TO THE OUTER EDGE OF CONCRETE PAVING.
2. SEE DETAILS FOR COORDINATE POINT POSITIONS FOR BENCH AND TRASH CAN PADS AND OTHER SIDE AMENITIES.
3. ALL PARK AMENITIES TO HAVE POWDER COAT FINISH. COLOR SELECTION BY OWNER FROM STANDARD COLORS.
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5. SEE CIVIL PLANS FOR GRADING AND EROSION CONTROL.



MATCH LINE - SEE SHEET L1.1

Sheet Number
L1.2

Project No.:
LA VOUT PLAN
POLO NORTE PARK
AREA 2

Scale:
Per Plan

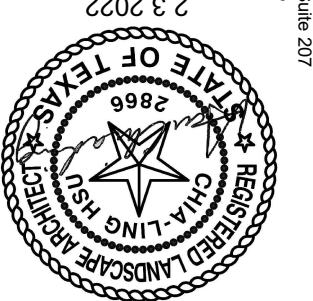
Checked By: FL

Drawn By: CLH

Issued:

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| 1 | 4/9/2021 | Plan revised per City comments. |
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| 4 | 2/3/2022 | Plan revised per City comments. |

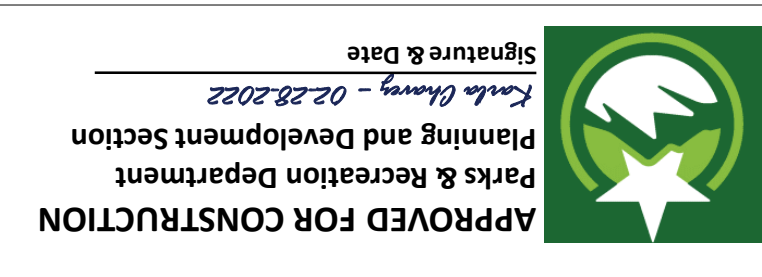
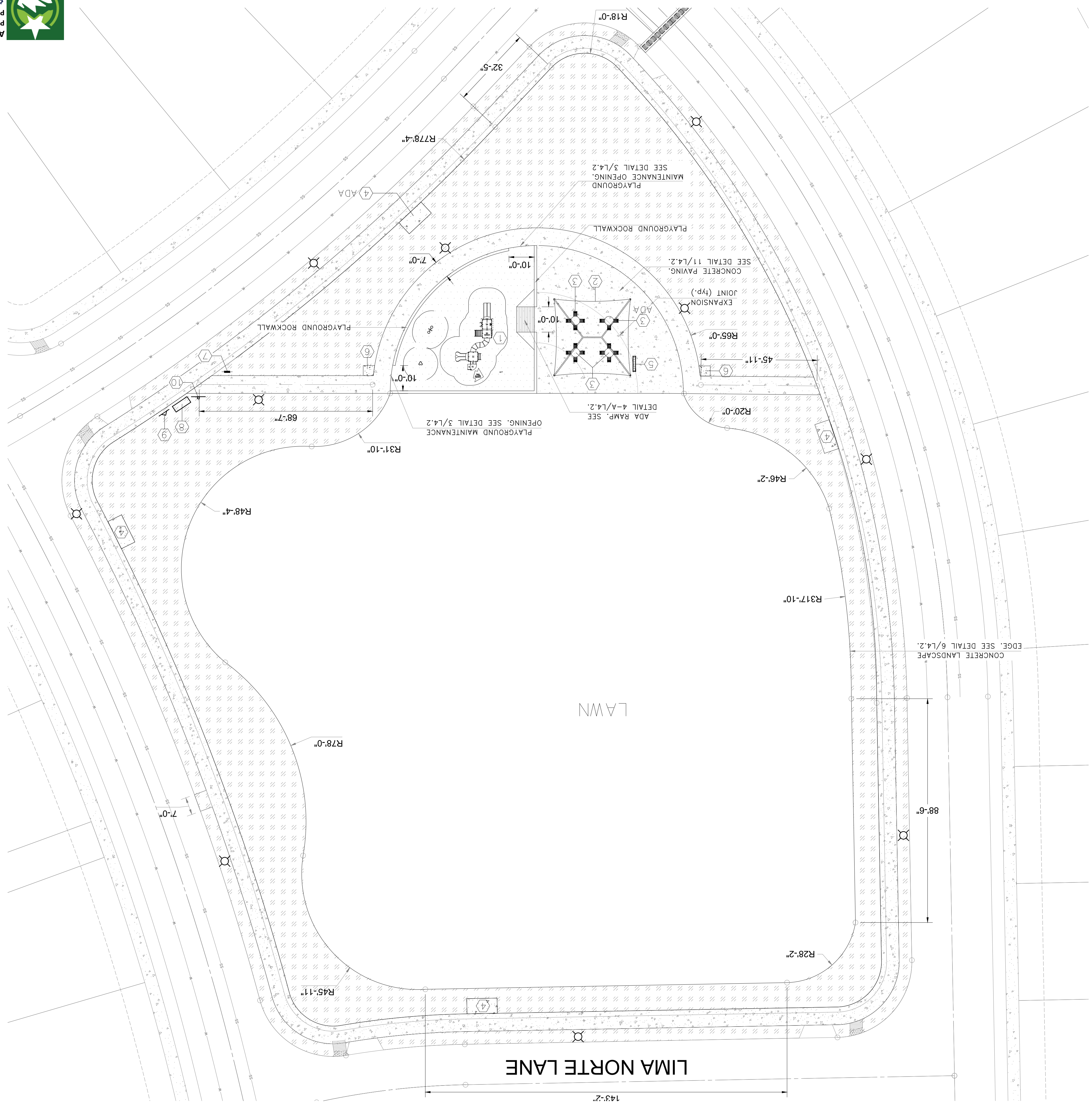
Vermosa, Inc.
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915.541.5591



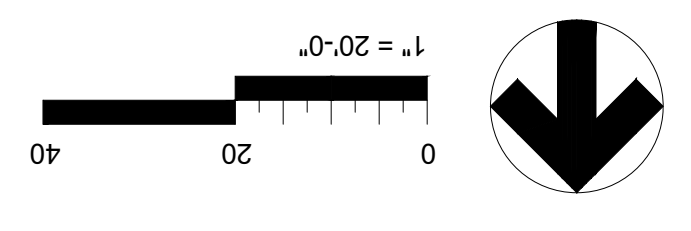
Quantum Engineering Consultants, Inc.
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Southwest Land Development Services, Inc.
3000 W. 13th Street, Suite 100
El Paso, Texas 79906
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100% CONSTRUCTION DOCUMENTS
**VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK**
POLO NORTE PARK, 12701 POLO NORTE DRIVE
RIO RIMAC PARK, 7471 RIO RIMAC DR.
CITY OF EL PASO, EL PASO COUNTY, TEXAS.



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development Section
 Frank Chong - 02-28-2022
 Signature & Date



Sheet Number
L1.3
 LAYOUT PLAN
 RIO RIMAC PARK

Scale: Per Plan
 Checked By: FL
 Drawn By: CLH
 Issued:
 Project No.:

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| 4 | 2/3/2022 | Plan revised per City comments. |

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 2.3.2022

Quantum Engineering Consultants, Inc.
 7700 Arroyo Ave
 El Paso, Texas 79902
 915.752.0128

Southwest Land Development Services, Inc.
 6080 Sunray Dr #300
 El Paso, Texas 79905
 915.752.0200

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VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
 POLO NORTE PARK, 12701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

- NOTES:**
1. ALL CONCRETE PAVING DIMENSIONS TO THE OUTER EDGE OF CONCRETE PAVING.
 2. SEE DETAILS FOR COORDINATE POINT POSITIONS FOR BENCH AND TRASH CAN PADS AND OTHER SIDE AMENITIES.
 3. ALL PARK AMENITIES TO HAVE POWDER COAT FINISH, COLOR SELECTION BY OWNER FROM STANDARD COLORS.
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 5. SEE CIVIL PLANS FOR GRADING AND EROSION CONTROL.

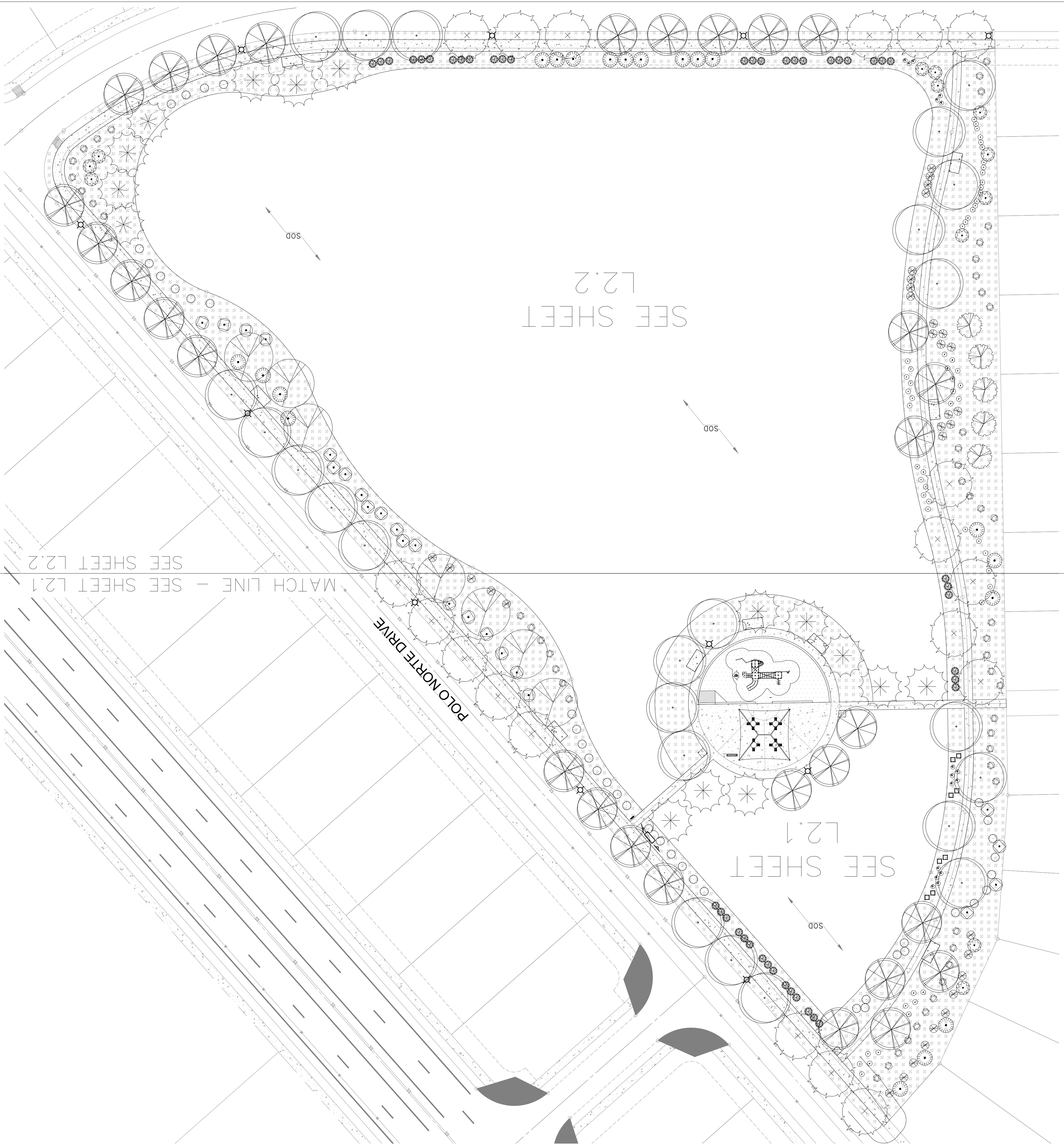
- NEW LIGHT POLES (SEE ELECTRICAL PLANS FOR SELECTION)
- DEPTH TO ALLOW FOR 12" THICKNESS AFTER COMPACTION.
- PRE-CONSUMED RECOVERED WOOD OF RANDOMLY SIZED ENGINEERED WOOD FIBER TO CONSIST OF 100%
- 3/4" PADRE CANYON ROCK MULCH 3" DEEP W/ WEED BARRIER
- CONCRETE PATH

- 1 PLAYGROUND (2-5 YRS), (2.670 SF) SEE DETAIL 1/L4.3.
- 2 SKYWAY 30X30" HIP FABRIC SHADE STRUCTURE. SEE DETAIL 3&5/L4.3.
- 3 PICNIC TABLE. DUMor 296-42-30HS & 296-42-40HS. COLORS: STEEL - AGENTO, SLATS - CEDAR.
- 4 BENCH PAD. (TYP.) SEE DETAIL 7&8/L4.2.
- 5 PROPOSED 7-BIKE RACK. SURFACE MOUNTED.
- 6 TRASH CAN PAD. (TYP.) SEE 6/L4.3 FOR TRASH RECEPTACLE DETAIL.
- 7 PET WASTE STATION. SEE DETAIL 7/L4.3.
- 8 PARK NAME SIGN. SEE DETAIL 10/L4.3.
- 9 PARK RULES SIGN. SEE DETAIL 9/L4.3.
- 10 ACCESSIBLE SIGN. SEE DETAIL 4/L4.3.

LEGEND

| ITEM | QTY. | KEY |
|---------------------------|------------|-----|
| PLAYGROUND (2-5 YRS) | 1 | 1 |
| 30X30 SHADE STRUCTURE | 1 | 2 |
| PICNIC TABLE | REGULAR: 3 | 3 |
| BENCH | ADA: 1 | 4 |
| BIKE RACK - 7 BIKES | 1 | 5 |
| TRASH RECEPTACLE | 2 | 6 |
| PET WASTE STATION | 2 | 7 |
| SEE ELECTRICAL'S DRAWINGS | | |
| PARK NAME SIGN | 1 | 8 |
| PARK RULES SIGN | 1 | 9 |
| ACCESSIBLE SIGN | 1 | 10 |

LIST OF PROPOSED AMENITIES

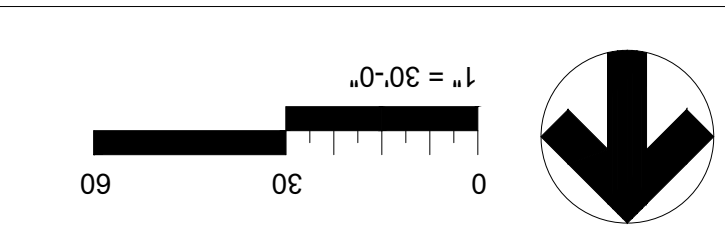


LANDSCAPE PLANTING NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREVENT PLANTS FROM FALLING OR BEING BLOWN OVER AND TO STRAIGHTEN OR REPLANT ALL PLANTS WHICH ARE DAMAGED DUE TO WIND. PLANTS BLOWN OVER BY HIGH WINDS SHALL NOT BE A CAUSE FOR ADDITIONAL EXPENSE TO THE OWNER, BUT SHALL BE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.
2. TOPSOIL MATERIAL FOR PLANTING SHALL BE FREE FROM HARD CLODS, STIFF CLAY, HARD PAN, STONES LARGER THAN 1 INCH, SMALLER THAN 3/4 INCH, AND PARTIALLY DISINTEGRATED DEBRIS, INSECTS OR ANY OTHER UNDESIRABLE MATERIAL. PLANTS OR SEEDS THAT WOULD BE TOXIC OR HARMFUL TO GROWTH.
3. FOR ANY UNSUITABLE SOIL CONDITIONS, CONTRACTOR SHALL REMOVE THE SOILS TO ELIMINATE HARD SOILS, STONY SOILS, HIGH CALICHE SOILS, CLAY SOILS, COURSE SANDS AND CONTAMINATED SOILS TO A MINIMUM DEPTH OF 12 INCHES AND SCARIFIED.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF PLANT MATERIAL QUANTITIES.
5. IN THE EVENT OF VARIATION BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND THE PLANS, THE PLANS SHALL CONTROL. IMPROPER PLANT COUNT MADE BY THE LANDSCAPE CONTRACTOR SHALL BE NO CAUSE FOR ADDITIONAL COSTS TO THE OWNER.
6. THE CONTRACTOR SHALL MEET BOTH THE CONTAINER SIZE AND CALIPER SIZE, AS WELL AS HEIGHT AND SPREAD SPECIFICATIONS SPECIFIED.
7. EXCAVATE TWO TIMES GREATER THAN THE ROOT BALL-DIAMETER OF THE SHRUB, TWO TIMES GREATER THAN THE ROOT BALL FOR TREES. SCARIFY BOTTOM OF PLANTING PIT BEFORE PLACING PLANT. PLACEMENT OF PLANT SHALL BE PERPENDICULAR TO GROUND.
8. CONTRACTOR WILL NOT PLANT MATERIAL SHOWN ON PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS HAVE CHANGED SINCE PLANS WERE DRAWN. ANY CHANGES ARE TO BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT BEFORE ANY PLANTING IS DONE IN THE AREA.
9. PLANT SUBSTITUTIONS WILL BE PERMITTED, REQUEST SUBSTITUTION IN WRITING GIVING REASONS FOR SUCH SUBSTITUTIONS.
10. TURF QUANTITY TAKE-OFF ARE THE RESPONSIBILITY OF THE CONTRACTOR.
11. REMOVE ALL WIRE, STRING, BURLAP, CONTAINERS, ETC., FROM THE ROOTBALL OF PLANTS BEFORE BACKFILLING THE PLANTING HOLE.
12. SEEDED AREAS SHOULD BE MAINTAINED UNTIL A FULL GROWTH OF WILD GRASS OR SEEDED MATERIAL IS ACHIEVED.
13. WARRANTY FOR THE PLANT MATERIAL SHALL BE ONE YEAR FROM THE DATE OF ACCEPTANCE. (TREES, SHRUBS AND GROUNDCOVER).

SODDING NOTES

1. SOD CERTIFICATION FOR GRASS SPECIES AND NAME AND LOCATION OF SOD SOURCE, SODDING SCHEDULE, INCLUDING DATES AND TYPE OF WORK TO BE PERFORMED, PRIOR TO ORDERING, NAME OF SUPPLIER OF SOIL AMENDMENTS MATERIALS.
2. MINIMUM AGE 18 MONTHS, WITH ROOT DEVELOPMENT THAT WILL SUPPORT ITS OWN WEIGHT WITHOUT TIEING, WHEN SUSPENDED VERTICALLY BY HOLDING THE UPPER TWO CORNERS, DELIVERY, STORAGE AND HANDLING.
3. TIME DELIVERY SO THAT SOD WILL BE PLACED WITHIN 24 HOURS OF DELIVERY AT SITE. PROTECT AGAINST DRYING AND BREAKING OF ROLLED STRIPS.
4. DELIVER PACKAGED MATERIALS IN CONTAINERS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. PROTECT MATERIALS FROM DETRIORATION DURING DELIVERY AND WHILE STORED ON SITE.
5. PROCEED WITH AND COMPLETE LANDSCAPE WORK AS RAPIDLY AS PORTIONS OF SITE BECOME AVAILABLE, WORKING WITHIN SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED.
6. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBER FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS CONSULT THE LANDSCAPE DESIGNER AND CITY OF EL PASO PARKS AND RECREATION BEFORE PLANTING.
7. PLANT OR INSTALL MATERIALS DURING NORMAL PLANTING SEASONS FOR EACH TYPE OF LANDSCAPE WORK REQUIRED. CORRELATE PLANTING PERIODS WITH SPECIFIED MAINTENANCE PERIODS TO PROVIDE MAINTENANCE FROM DATE OF FINAL ACCEPTANCE.
8. PROVIDE SOIL ANALYSIS BEFORE ADDITION OF SOIL AMENDMENTS & ANALYSIS OF SOIL AMENDMENTS. ORGANIC AMENDMENTS SHALL CONSIST OF WELL-AGED ORGANIC COMPOST OR APPROVED EQUAL.
9. SLOW-RELEASE STARTER FERTILIZER ANALYSIS AS RECOMMENDED BY LANDSCAPE ARCHITECT BY WEIGHT AT A RATE OF 1 LB OF ACTUAL NITROGEN PER 1,000 SQUARE FEET BY WEIGHT.
10. PROVIDE STRONGLY ROOTED SOD, NOT LESS THAN 18 MONTHS OLD AND FREE OF WEEDS AND UNDESIRABLE NATIVE GRASS MATERIALS.
11. PRIOR TO START OF SOIL PREPARATION ALL FINISH GRADES SHALL BE ESTABLISHED AND APPROVED AS MEETING THE REQUIREMENTS OF THE GRADING PLAN. APPLY A UNIFORM ONE-INCH LAYER (3 C.Y./1,000 SQUARE FEET) OF ORGANIC SOIL AMENDMENT, AFTER APPLICATION OF ORGANIC AMENDMENT AND STARTER FERTILIZER ALL AREAS TO BE SODDED SHALL BE ROLLED TO A MINIMUM DEPTH OF 12 INCHES. AFTER ROLLING AT AN EVEN GRADE, THEN ROLL FOR FINERNESS, RAKE TILED AREA AND REMOVE STONES OVER 1 INCH IN ANY DIMENSION, STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER. ROLL ENTIRE AREA WITH WEIGHTED HAND ROLLER.
12. LAY SOD WITHIN 24 HOURS OF DELIVERY AT SITE. DO NOT PLANT DORMANT SOD OR ON FROZEN GROUND.
13. IF SOIL IS DRY, MOISTEN AREAS BEFORE SODDING. WATER THOROUGHLY AND ALLOW SURFACE MOISTURE TO DRY. DO NOT CREATE A MUDDY SOIL CONDITION.
14. REMOVE FIBER MESH USED BY SOD FARM TO TRANSPORT SOD ROLLS AS SOD IS BEING INSTALLED.
15. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. NO JOINT SHALL BE MORE THAN LAY SOD OVER MOISTENED SOIL, TIGHTLY RAKE THE SOIL AHEAD OF EACH SOD STRIP, BUT ENDS AND SIDES OF SOD STRIPS; DO NOT WEAR. STAKE STRIPS TO GET JOINTS IN ADJACENT COURSES. LAY SOD PARALLEL TO COURSES OF SOD.
16. WORK FROM BANKS TO AVOID DAMAGE TO SUBSOIL OR SOD. TAMP FIRMLY AND EVENLY BY HAND TO ENSURE CONTACT WITH SUBSOIL. WORK SITED TOPSOIL OR SAND INTO MINOR CRACKS BETWEEN PIECES OF SOD.
17. BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING.
18. MAINTAIN LAWNS FOR NOT LESS THAN A PERIOD OF AT LEAST 60 DAYS AFTER COMPLETION AND ACCEPTANCE OF SOD. INSPECTION TO DETERMINE ACCEPTANCE OF SODDED LAWNS WILL BE MADE BY PARKS STAFF AND SITES SOUTHWEST REPRESENTATIVE UPON CONTRACTOR'S REQUEST. PROVIDE NOTIFICATION AT LEAST 10 WORKING DAYS BEFORE REQUESTED INSPECTION DATE, AND LONGER AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN.
19. SODDED LAWNS TO BE MAINTAINED NOT LESS THAN 60 DAYS AFTER COMPLETION AND ACCEPTANCE OF SODDING OPERATIONS.
20. WATER SOD THOROUGH EVERY 2 TO 3 DAYS MIN. AS REQUIRED TO ESTABLISH PROPER ROOTING. REPAIR, REWORK AND RESEED AREAS THAT HAVE WASHED OUT OR UNDERSEED. REPLACE DEAD OR UNDESIRABLE SOD SECTIONS WITH NEW DRESSING FERTILIZER AT 1 LB. PER 1,000 SQ.FT. OF NITROGEN WATER THOROUGHLY.
21. ADDITIONAL LAWN MAINTENANCE CONSISTS OF WEEDING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
22. DURING THE WORK, KEEP PAVEMENTS CLEAN AND WORK AREA IN AN ORDERLY CONDITION.
23. PROJECT WORK AND MATERIALS FROM DAMAGE DUE TO SODDING OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADERS AND TRASPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED WORK AS DIRECTED.
24. WHEN INSPECTED WORK DOES NOT COMPLY WITH REQUIREMENTS, REPLACE REJECTED WORK AND CONTINUE SPECIFIED AND MAINTENANCE UNTIL BY THE LANDSCAPE DESIGNER AND CITY OF EL PASO PARKS AND RECREATION AND FOUND TO BE ACCEPTABLE. REMOVE REJECTED SOD AND MATERIALS PROMPTLY FROM PROJECT SITE.



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development Section
 Kaito Blumley - 02.28.2022
 Signature & Date

Project No.:
 Issued:
 Drawn By: CLH
 Checked By: FL
 Scale: Per Plan
 Sheet Title: ORIENTATION PLAN POLO NORTE PARK
 Sheet Number: L2.0

| No. | Date | Description |
|-----|-----------|--------------------------------|
| 1 | 4/8/2021 | Plan revised per City comments |
| 2 | 6/1/2021 | Plan revised per City comments |
| 3 | 10/1/2021 | Plan revised per City comments |
| 4 | 2/9/2022 | Plan revised per City comments |

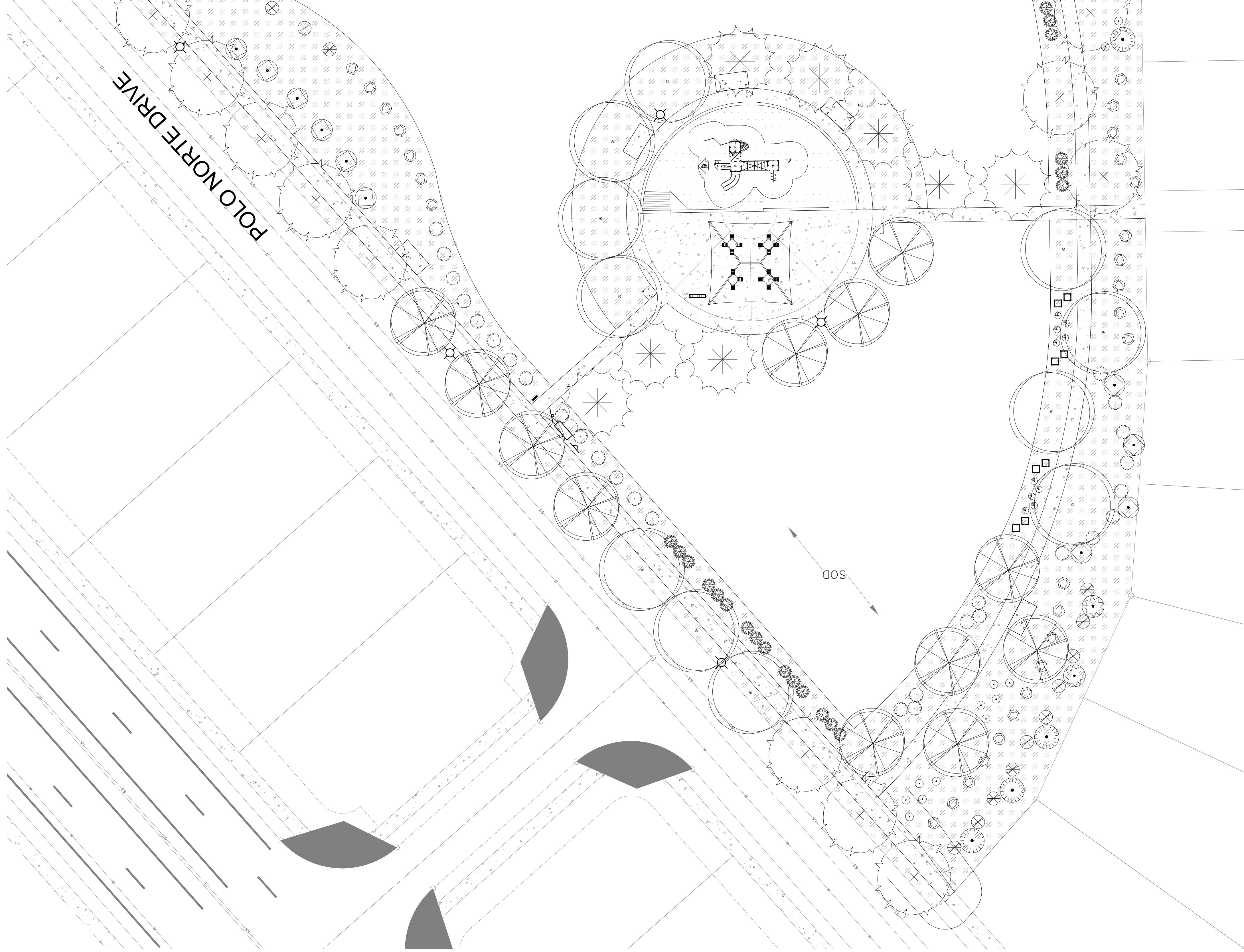
Vermosa, Inc.
 1400 Vermosa Blvd., Suite 207
 El Paso, Texas 79902
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 El Paso, Texas 79902
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100% CONSTRUCTION DOCUMENTS
VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
 POLO NORTE PARK, 12701 POLO NORTE DRIVE,
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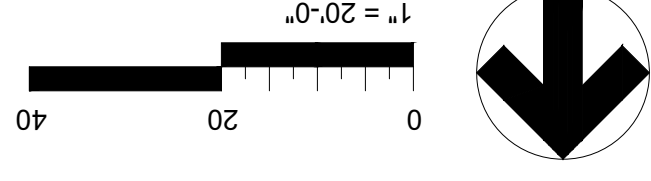
- NOTES:**
- SEE SHEET L1.2 FOR PROPOSED LOCATIONS OF HARDSCAPE IMPROVEMENTS.
 - SEE SHEET L4.1 FOR LANDSCAPE PLANTING DETAILS.
 - SEE SHEET L2.0 FOR PLANTING AND SODDING NOTES.



MATCH LINE - SEE SHEET L2.2



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development Section
Karin Chavez - 02.28.2022
 Signature & Date



- CONCRETE PATH
- 3/4" PADRE CANYON ROCK MULCH 3" DEEP W/ WEED BARRIER
- ENGINEERED WOOD FIBER TO CONSIST OF 100% PRE-CONSUMED RECOVERED WOOD OF RANDOMLY SIZED WOOD FIBERS - REFER TO ASTM F2075, INSTALLED AT 16" DEPTH TO ALLOW FOR 12" THICKNESS AFTER COMPACTION.
- NEW LIGHT POLES (SEE ELECTRICAL PLANS FOR SELECTION)

| QUANTITY | | DESCRIPTION |
|----------|--|-----------------------------|
| 52 | | BOULDER DESERT TAN |
| 45 | | WOOLY BUTTERFLY BUSH |
| 8 | | TURPENTINE BUSH |
| 57 | | PINK MUHLY GRASS (MC) |
| 16 | | RED YUCCA (HP) |
| 38 | | RUSSIAN SAGE (PA) |
| 33 | | LYNN'S LEGACY SAGE (LS) |
| 23 | | DESERT CASSIA (CN) |
| 12 | | RED BIRD OF PARADISE (CM) |
| 19 | | YELLOW BELLS (TS) |
| 24 | | MEXICAN WHITE OAK (QP) |
| 7 | | LIVE OAK (QV) |
| 19 | | THORNLESS HONEY LOCUST (GT) |
| 15 | | MONDELL PINE (PE) |
| 29 | | CHINESE PISTACHE (PC) |
| 5 | | TEXAS REDBUD (CC) |

LEGEND

Project No.:
 Issued:
 Drawn By: CLH
 Checked By: FL
 Scale: Per Plan
 Sheet Title
 PLANTING PLAN
 POLO NORTE PARK AREA 1
 L2.1
 Sheet Number

| Revision | No. | Date | Description |
|----------|-----|-----------|--------------------------------|
| | 1 | 4/9/2021 | Plan revised per City comments |
| | 2 | 6/1/2021 | Plan revised per City comments |
| | 3 | 10/1/2021 | Plan revised per City comments |
| | 4 | 2/2/2022 | Plan revised per City comments |

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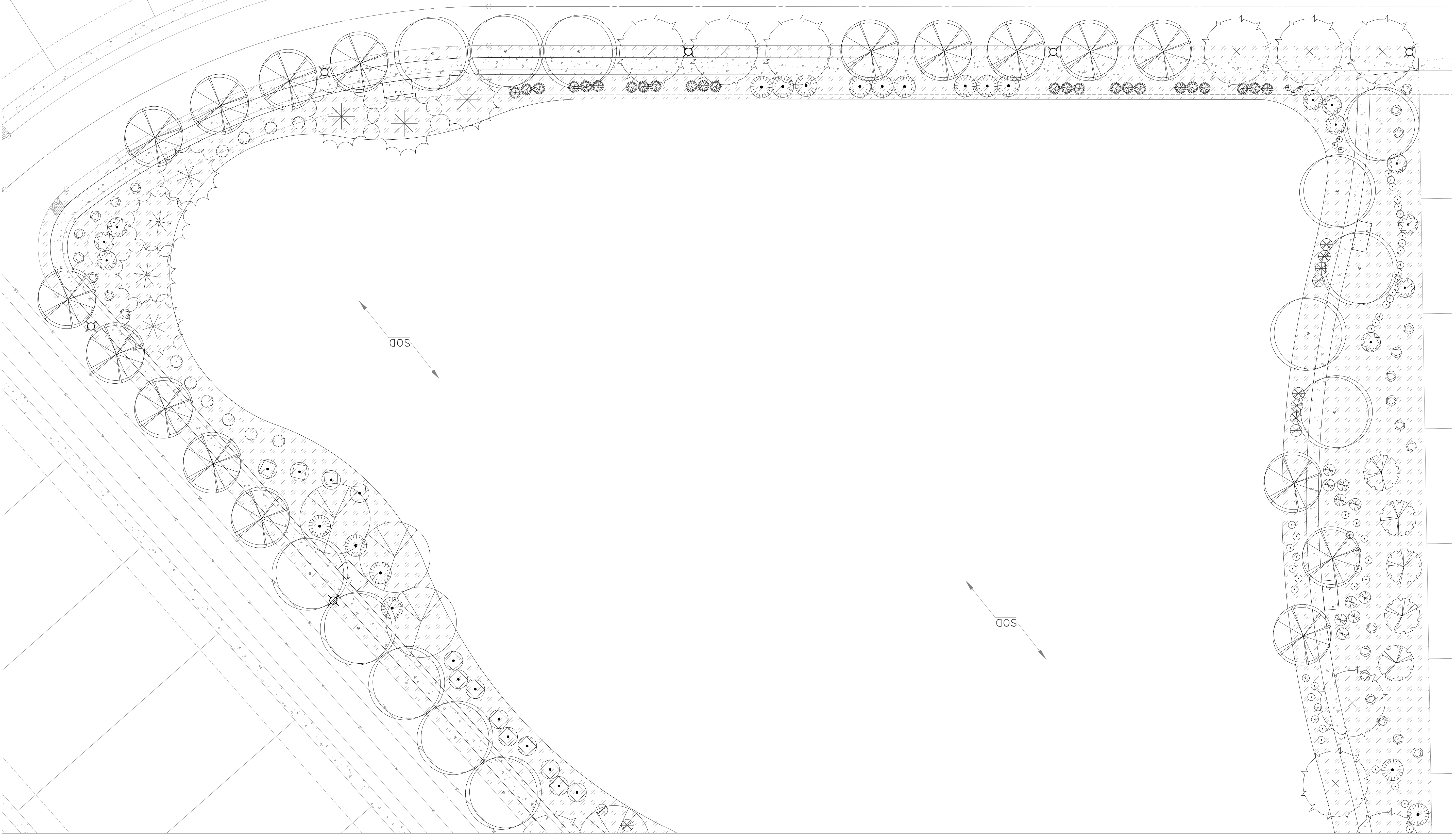
Vermosa, Inc.
 7400 Vermonter Blvd., Suite 207
 El Paso, Texas 79925
 915.499.2891
 2.3.2022

Quantum Engineering Consultants, Inc.
 720 Aurora Ave
 El Paso, Texas 79902
 915.522.5700

Southwest Land Development Services, Inc.
 6080 Sunny Dr #300
 El Paso, Texas 79906
 915.522.5200

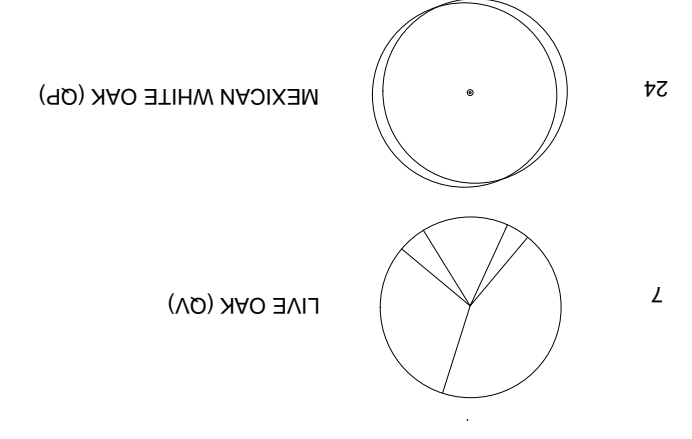
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VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
 POLO NORTE PARK, 12701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

MATCH LINE - SEE SHEET L2.1



LEGEND

| QUANTITY | Symbol | Plant Name |
|----------|--------|-----------------------------|
| 5 | | TEXAS REDBUD (CC) |
| 29 | | CHINESE PISTACHE (PC) |
| 15 | | MONRELL PINE (PB) |
| 19 | | THORNLESS HONEY LOCUST (ST) |



| | | |
|----|--|---------------------------|
| 19 | | YELLOW BELLS (TS) |
| 12 | | RED BIRD OF PARADISE (CM) |
| 23 | | DESERT CASSIA (CN) |
| 33 | | LYNN'S LEGACY SAGE (LS) |
| 38 | | RUSSIAN SAGE (PA) |
| 16 | | RED YUCCA (HP) |
| 57 | | PINK MUHLY GRASS (MC) |
| 8 | | TURPENTINE BUSH |
| 45 | | WOOLLY BUTTERFLY BUSH |
| 52 | | BOULDER DESERT TAN |

CONCRETE PATH

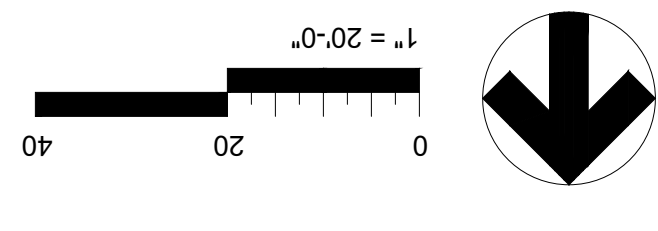
3/4" PADRE CANYON ROCK MULCH 3" DEEP W/ WEED BARRIER

ENGINEERED WOOD FIBER TO CONSIST OF 100% PRE-CONSUMED RECOVERED WOOD OF RANDOMLY SIZED WOOD FIBERS - REFER TO ASTM F2075, INSTALLED AT 16" DEPTH TO ALLOW FOR 12" THICKNESS AFTER COMPACTION.

NEW LIGHT POLES (SEE ELECTRICAL PLANS FOR SELECTION)



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development Section
Karla Cherry - 02.28.2022
 Signature & Date



- NOTES:
- SEE SHEET L1.2 FOR PROPOSED LOCATIONS OF HARDSCAPE IMPROVEMENTS.
 - SEE SHEET L4.1 FOR LANDSCAPE PLANTING DETAILS.
 - SEE SHEET L2.0 FOR PLANTING AND SODDING NOTES.

| Revision No. | Date | Description |
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Vermosa, Inc.
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 El Paso, Texas 79905
 915.848.2891
 2.3.2022

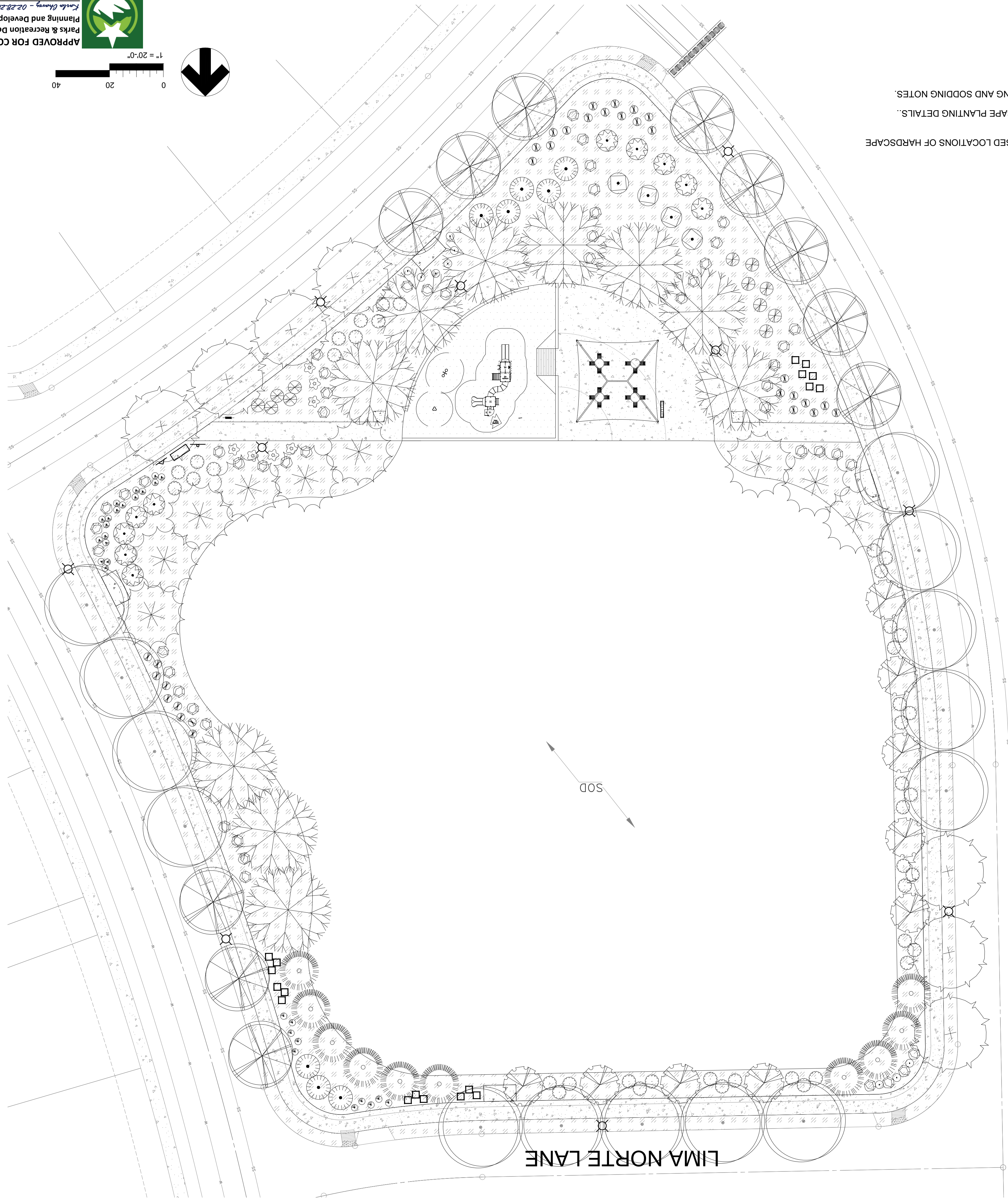
Quantum Engineering Consultants, Inc.
 750 Arizona Ave
 El Paso, Texas 79902
 915.592.1770

Southwest Land Development Services, Inc.
 6080 South G. 8300
 El Paso, Texas 79905
 915.592.6200

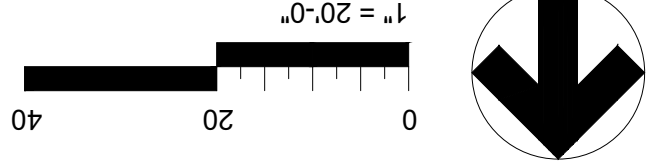
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**VISTA DEL NORTE ESTATES
 UNIT TWO PARKS
 POLO NORTE & RIO RIMAC PARK**
 POLO NORTE PARK, 42701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

| | |
|---------------|---------------|
| Project No.: | |
| Issued: | |
| Drawn By: | CLH |
| Checked By: | FL |
| Scale: | Per Plan |
| Sheet Title: | PLANTING PLAN |
| Sheet Number: | L2.2 |

- NOTES:**
1. SEE SHEET L1.2 FOR PROPOSED LOCATIONS OF HARDSCAPE IMPROVEMENTS.
 2. SEE SHEET L4.1 FOR LANDSCAPE PLANTING DETAILS.
 3. SEE SHEET L2.0 FOR PLANTING AND SODDING NOTES.



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development
Krista Chany - 02/28/2022
 Signature & Date



| SYMBOL | DESCRIPTION | QUANTITY |
|--------|---|----------|
| | ENGINEERED WOOD FIBER TO CONSIST OF 100% PRE-CONSUMED RECOVERED WOOD OF RANDOMLY SIZED WOOD FIBERS - REFER TO ASTM F2075, INSTALLED AT 16" DEPTH TO ALLOW FOR 12" THICKNESS AFTER COMPACTION. | |
| | 3/4" PADRE CANYON ROCK MULCH 3" DEEP W/ WEED BARRIER | |
| | CONCRETE PATH | |
| | NEW LIGHT POLES (SEE ELECTRICAL PLANS FOR SELECTION) | |
| | PLAYGROUND ROCKWALL OR OTHER WALL STRUCTURE APPROVED BY PARKS DIRECTOR. SEE DETAIL 13/L4.2 | |
| | DESERT CASSIA (CN) | 4 |
| | LYNN'S LEGACY SAGE (LS) | 12 |
| | RUSSIAN SAGE (PA) | 42 |
| | UPRIGHT ROSEMARY (RO) | 31 |
| | RED YUCA (HP) | 28 |
| | PINK MUHLY GRASS (MC) | 9 |
| | TURPENTINE BUSH | 18 |
| | GOLDEN LANTANA | 7 |
| | BOULDER | 51 |
| | THORNLESS HONEY MESQUITE (PG) | 10 |
| | MEXICAN WHITE OAK (QP) | 9 |
| | THORNLESS HONEY LOCUST (GT) | 7 |
| | MONDELL PINE (PE) | 9 |
| | CHINESE PISTACHE (PC) | 11 |
| | ALLIGATOR JUNIPER | 10 |
| | TEXAS REDBUD (CC) | 9 |

LEGEND

100% CONSTRUCTION DOCUMENTS

**VISTA DEL NORTE ESTATES
 UNIT TWO PARKS
 POLO NORTE & RIO RIMAC PARK**

POLO NORTE PARK, 42701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR.,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS

Southwest Land Development Services, Inc.
 6606 Shady Dr #400
 El Paso, Texas 79905
 915.762.2500

Quantum Engineering Consultants, Inc.
 720 Allison Ave
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 915.762.0722

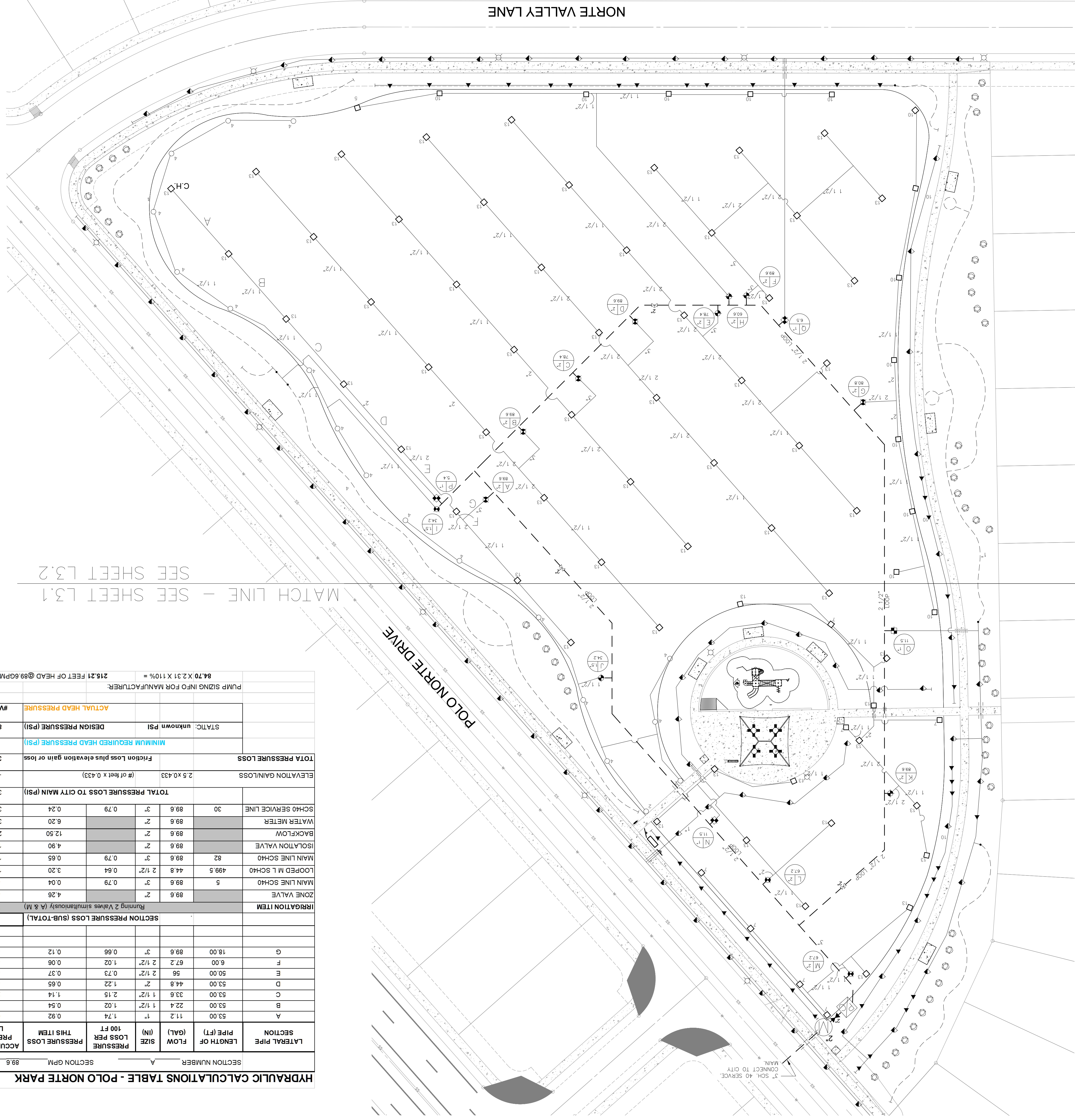
Vermosa, Inc.
 7400 Mesquite Blvd, Suite 207
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 915.549.2899

2.3.2022

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| 4 | 2/9/2022 | Plan revised per City comments. |

Project No.:
 Issues:
 Drawn By: CLH
 Checked By: FL
 Scale: Per Plan
 Sheet Title: PLANTING PLAN
 RIO RIMAC PARK

Sheet Number: L2.3



HYDRAULIC CALCULATIONS TABLE - POLO NORTE PARK

SECTION NUMBER A

| SECTION | LATERAL PIPE LENGTH OF PIPE (FT) | FLOW (GAL.) | PIPE LOSS PER 100 FT (IN) | PRESSURE LOSS PER 100 FT (PSI) | ACCUMULATED PRESSURE LOSS |
|---|----------------------------------|-------------|---------------------------|--------------------------------|---------------------------|
| A | 53.00 | 11.2 | 1 | 1.74 | 0.92 |
| B | 53.00 | 22.4 | 1 1/2" | 1.02 | 1.46 |
| C | 53.00 | 33.6 | 1 1/2" | 2.15 | 2.60 |
| D | 53.00 | 44.8 | 2" | 1.22 | 3.25 |
| E | 50.00 | 56 | 2 1/2" | 0.73 | 3.61 |
| F | 6.00 | 67.2 | 2 1/2" | 1.02 | 3.68 |
| G | 18.00 | 89.6 | 3" | 0.66 | 3.79 |
| SECTION PRESSURE LOSS (SUB-TOTAL) | | | | | |
| 3.79 | | | | | |
| IRRIGATION ITEM | | | | | |
| Running 2 Valves simultaneously (A & M) | | | | | |
| 7.59 | | | | | |
| ZONE VALVE | | | | | |
| MAIN LINE SCH40 | | | | | |
| 5 | | | | | |
| 89.6 | | | | | |
| 3" | | | | | |
| 0.79 | | | | | |
| 4.26 | | | | | |
| MAIN LINE SCH40 | | | | | |
| 499.5 | | | | | |
| 2 1/2" | | | | | |
| 0.64 | | | | | |
| 3.20 | | | | | |
| 11.29 | | | | | |
| 11.94 | | | | | |
| MAIN LINE SCH40 | | | | | |
| 89.6 | | | | | |
| 3" | | | | | |
| 0.79 | | | | | |
| 4.90 | | | | | |
| 16.84 | | | | | |
| BACKFLOW | | | | | |
| 12.50 | | | | | |
| 2" | | | | | |
| 89.6 | | | | | |
| 2" | | | | | |
| 89.6 | | | | | |
| 35.54 | | | | | |
| WATER METER | | | | | |
| 89.6 | | | | | |
| 2" | | | | | |
| 6.20 | | | | | |
| 35.78 | | | | | |
| SCH40 SERVICE LINE | | | | | |
| 30 | | | | | |
| 89.6 | | | | | |
| 3" | | | | | |
| 0.79 | | | | | |
| 0.24 | | | | | |
| 35.78 | | | | | |
| TOTAL PRESSURE LOSS TO CITY MAIN (PSI) | | | | | |
| 35.78 | | | | | |
| ELEVATION GAIN/LOSS | | | | | |
| 2.5 x 0.433 | | | | | |
| (# of feet x 0.433) | | | | | |
| -1.08 | | | | | |
| TOTA PRESSURE LOSS | | | | | |
| Fricton Loss plus elevation gain or loss | | | | | |
| 34.70 | | | | | |
| MINIMUM REQUIRED HEAD PRESSURE (PSI) | | | | | |
| 50 | | | | | |
| DESIGN PRESSURE (PSI) | | | | | |
| 84.70 | | | | | |
| #VALUE! | | | | | |
| STATIC unknown PSI | | | | | |
| ACTUAL HEAD PRESSURE #VALUE! | | | | | |

PUMP SIZING INFO FOR MANUFACTURER: 84.70 X 2.31 X 110% = 215.21 FEET OF HEAD @89.6GPM

WATERING SCHEDULE

Station #

| Station # | Total GPM's | Run Time (Mins.) |
|------------|-------------|------------------|
| A | 89.6 | 81 |
| B | 89.6 | 81 |
| C | 89.6 | 81 |
| D | 89.6 | 81 |
| E | 78.4 | 81 |
| F | 89.6 | 81 |
| G | 80.8 | 84 |
| H | 60.6 | 84 |
| I & J | 68.4 | 129 |
| K | 89.6 | 81 |
| L | 89.6 | 81 |
| M | 67.2 | 81 |
| Total | 971.4 | 1024 |
| N.O.P.C. | 34.9 | 60 |
| Total Drip | 34.9 | 60 |
| Total | 1006.3 | 1084 |

= 18 Hours 4 Mins

PRECIPITATION RATE TABLE - POLO NORTE PARK

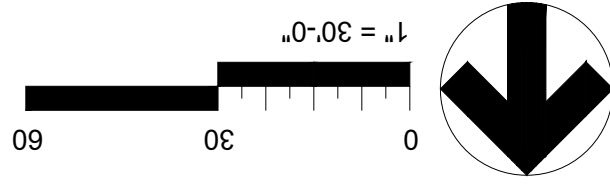
| Station | # | Value | Type of Sprinkler | Area of Irrigated | Total GPM's | # of Sprinklers / Emission Devices | Participation Rates (in/hr) | Water Application 1.2" Run Time |
|---------|-----|-------|-------------------|-------------------|-------------|------------------------------------|-----------------------------|---------------------------------|
| A | 2 | 2 | Rotor | Turf | 89.6 | 8 | 0.89 | 81 |
| B | 2 | 2 | Rotor | Turf | 89.6 | 8 | 0.89 | 81 |
| C | 2 | 2 | Rotor | Turf | 78.4 | 7 | 0.89 | 81 |
| D | 2 | 2 | Rotor | Turf | 89.6 | 8 | 0.89 | 81 |
| E | 2 | 2 | Rotor | Turf | 78.4 | 8 | 0.89 | 81 |
| F | 2 | 2 | Rotor | Turf | 89.6 | 8 | 0.89 | 81 |
| G | 2 | 2 | Rotor | Turf | 80.8 | 8 | 0.86 | 84 |
| H | 2 | 2 | Rotor | Turf | 60.6 | 8 | 0.86 | 84 |
| I | 1.5 | 1.5 | Rotor | Turf | 34.2 | 9 | 0.56 | 129 |
| J | 1.5 | 1.5 | Rotor | Turf | 34.2 | 9 | 0.56 | 129 |
| K | 2 | 2 | Rotor | Turf | 89.6 | 8 | 0.89 | 81 |
| L | 2 | 2 | Rotor | Turf | 89.6 | 8 | 0.89 | 81 |
| M | 2 | 2 | Rotor | Turf | 67.2 | 6 | 0.89 | 81 |
| N | 1 | 1 | Emitter | Tree and Shrub | 11.5 | 1 | N/A | 60 |
| O | 1 | 1 | Emitter | Tree and Shrub | 11.5 | 1 | N/A | 60 |
| P | 1 | 1 | Emitter | Tree and Shrub | 5.4 | 1 | N/A | 60 |
| Q | 1 | 1 | Emitter | Tree and Shrub | 6.5 | 1 | N/A | 60 |

- NOTES:**
- IRRIGATION PLAN IS DIAGRAMATIC IN NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOMPLISHING FULL COVERAGE IN ALL AREAS WITH SPECIFIED EQUIPMENT. ANY DISCREPANCIES IN THE PLAN SHOULD BE BROUGHT TO THE OWNERS ATTENTION DURING CONSTRUCTION.
 - ALL FITTINGS AND NECESSARY EQUIPMENT REQUIRED TO MAKE THIS IRRIGATION SYSTEM OPERATE PROPERLY AND TO COMPLY WITH LOCAL AND STATE CODES ARE INCIDENTAL TO THESE PLANS AND ARE THE CONTRACTOR'S RESPONSIBILITY.
 - CONTRACTOR WILL BE HELD LIABLE FOR GAINING ACCESS UNDER ALL PAVEMENTS. SLEEVES SHOWN ON THE PLANS SHOULD BE VERIFIED FOR ACCESSIBILITY AND FEASIBILITY BEFORE BID IS MADE.
 - SLEEVES SHOWN ON THE PLANS SHOULD BE VERIFIED FOR ACCESSIBILITY AND FEASIBILITY BEFORE BID IS MADE.
 - THE CONTRACTOR SHALL LOCATE AND VERIFY EACH WATER TAP TO WHICH THE IRRIGATION SYSTEM WILL CONNECT. ALL EQUIPMENT AND INSTALLATION METHODS SHALL COMPLY WITH THE STANDARDS OF THE CITY OF EL PASO AND THE SPECIFICATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS AND VALVES REQUIRED FOR THE FULL IMPLEMENTATION OF THE SYSTEM.
 - THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO INITIATING WORK.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE OR INTERRUPTION IN SERVICE CAUSED BY HIS OR HER EXCAVATIONS AND/OR WORK.
 - FOR I/O/WIRE SYSTEM, VALVE WIRING SHOULD BE LOCATED 6" UNDERNEATH THE MAIN LINE SAME TRENCH, OR AS AGREED TO WITH PARK STAFF.
 - ALL REMOTE CONTROL VALVE WIRES NEED TO BE LABELED AT VALVE WITH WEATHER (WATER) PROOF LABELS AND AT CONTROLLER WITH CORRESPONDING LABELS. LETTER AND/OR NUMBER TAGS IN SEQUENTIAL ORDER WILL BE PROVIDED.
 - SPICING OF REMOTE CONTROL VALVE WIRES IS NOT ALLOWED BETWEEN CONTROLLER AND VALVE BOX FOR WIRES MUST BE CONTINUOUS FROM CONTROLLER TO REMOTE CONTROL VALVE WITHOUT SPICING.
 - ALL SPRINKLER HEADS SHALL BE ON STAINLESS STEEL RISERS WITH CHECK VALVE.
 - CONTRACTOR SHALL PROVIDE SLEEVES FOR NEW IRRIGATION LINES CROSSING UNDER CONCRETE SIDEWALKS. SLEEVES SHALL BE 2 TIMES THE PIPE SIZE EXTENDED 24" BEYOND EDGE OF SURFACE. BE WRAPPED WITH MINIMUM 4 MIL PLASTIC AND TAPED WITH 3M BRAND HEAVY DUTY PLASTIC TAPE.
 - CONTRACTOR WILL PROVIDE WATER AUDIT AFTER INSTALLATION IS COMPLETE AND SYSTEM IS ACCEPTED.

MATCH LINE - SEE SHEET L3.1
SEE SHEET L3.2



APPROVED FOR CONSTRUCTION
Planning and Development Section
Kashia Olvera - 02.28.2022
Signature & Date



Project No.:
Issues:
Drawn By: CLH
Checked By: FL
Scale: Per Plan
Sheet Title: IRRIGATION PLAN
POLO NORTE PARK
L3.0
Sheet Number

| Revision | No. | Date | Description |
|----------|-----------|--------------------------------|-------------|
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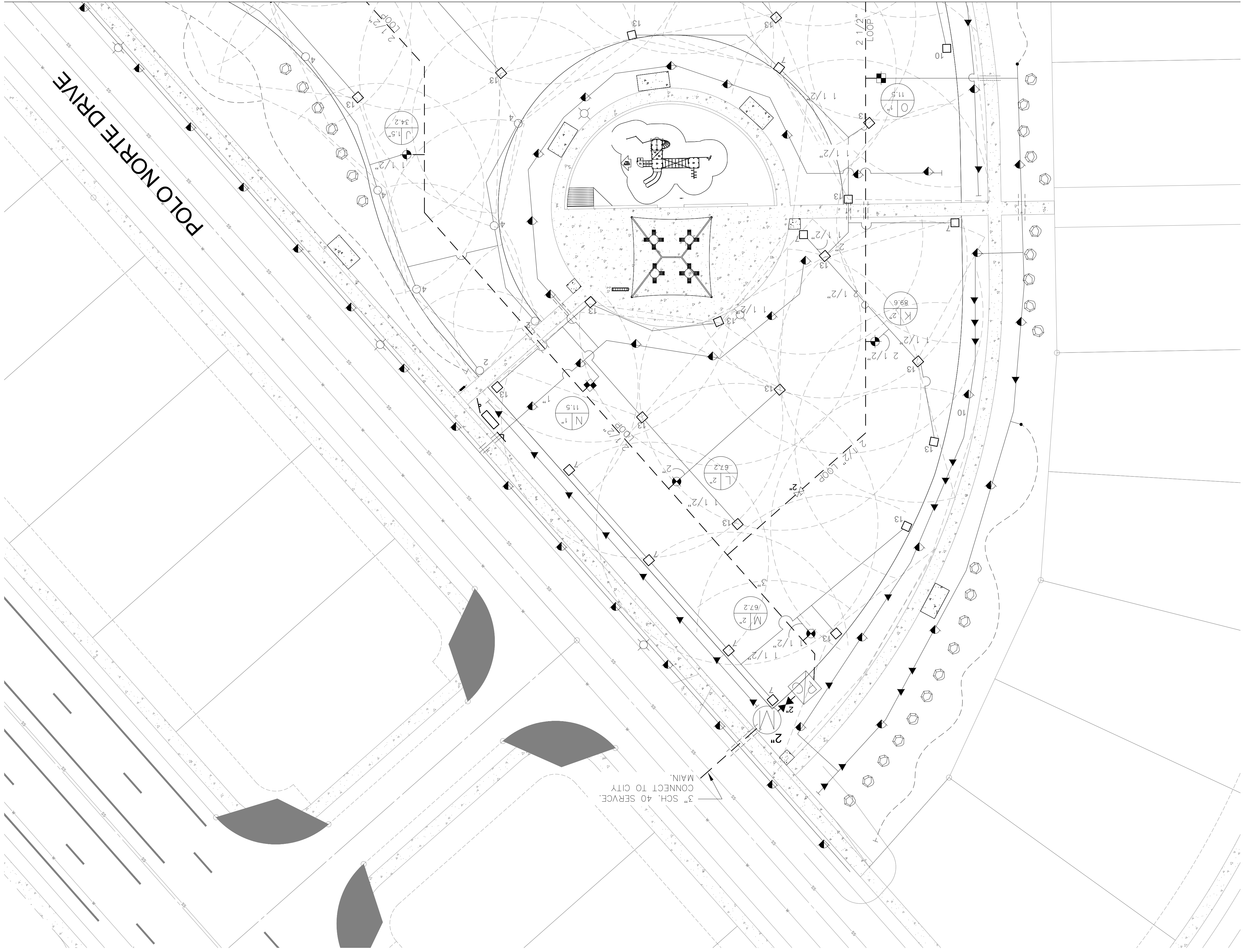
Vermosa, Inc.
7460 Woodland Blvd, Suite 207
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817.565.2024



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720 Avenida Ave
El Paso, Texas 79902
915.833.1772

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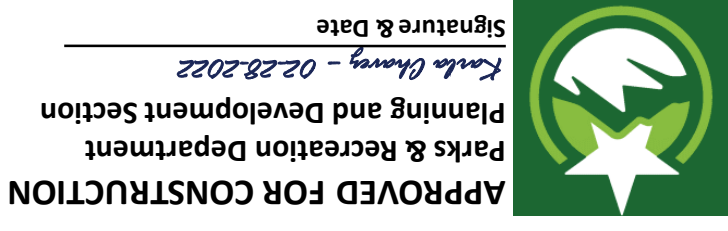
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POLO NORTE PARK, 12701 POLO NORTE DRIVE,
RIO RIMAC PARK, 7471 RIO RIMAC DR,
CITY OF EL PASO, EL PASO COUNTY, TEXAS



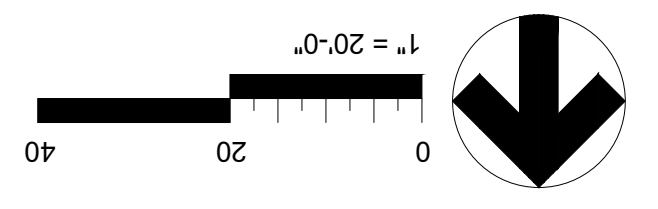
NOTES:
 1. SEE SHEET L3.0 FOR GENERAL IRRIGATION NOTES.
 2. ALL IRRIGATION IMPROVEMENTS TO BE I0/2-WIRE SYSTEM COMPATIBLE.
 3. PIPE SEGMENTS ARE LABELED ON EITHER SIDE OF PIPE SIZE CHANGES ON HEAD/FITTING LOCATIONS. PIPES WILL NOT CHANGE SIZE IN THE MIDDLE OF A RUN.
 4. SEE SHEET L4 AND L4.5 FOR IRRIGATION DETAILS.
 5. CONTRACTOR TO COORDINATE NEW MAINLINE CONNECTION TO EXISTING MAINLINE WITH CITY OF EL PASO PARKS AND RECREATIONS STAFF PRIOR TO INSTALLATION.
 6. CONTRACTOR TO COORDINATE INSTALLATION OF ELECTRICAL POWER TO NEW IRRIGATION CONTROLLER WITH NEW ELECTRICAL IMPROVEMENTS WITHIN THE PARK.

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|----------|-----|-----------|--------------------------------|
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| | 4 | 2/3/2022 | Plan revised per City comments |

Project No.:
 Issued:
 Drawn By: CLH
 Checked By: FL
 Scale: Per Plan
 Sheet Title: IRRIGATION PLAN
 POLO NORTE PARK AREA 1
 L3.1
 Sheet Number



APPROVED FOR CONSTRUCTION
 Planning and Development Section
 Parks & Recreation Department
 Kenda Cherry - 02.28.2022
 Signature & Date



LEGEND

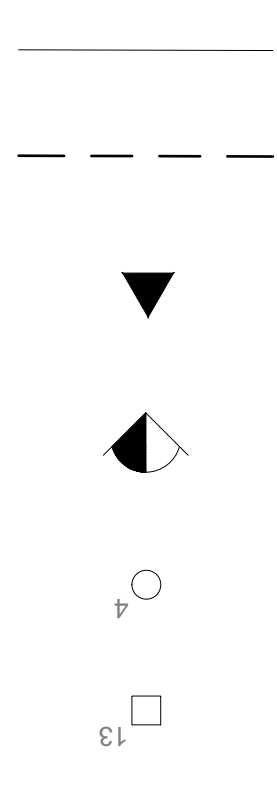
- HUNTER 125-08-SS POP UP ROTOR @50 PSI NOZZLE NUMBERS (#7, #10 & #13) AS SHOWN ON PLAN OR APPROVED EQUAL
- HUNTER 120-08-SS-PRB POP UP ROTOR @45PSI NOZZLE NUMBERS (#2 & #4) AS SHOWN ON PLAN OR APPROVED EQUAL
- 6 OUTLET EMISSION DEVICE WITH 3.0 GPH DRIP EMITTERS - 6 PER TREE, 1 PER SHRUB
- RAIN BIRD EMT-6XER16 OUTLET EMISSION DEVICE RAIN BIRD XB-10PC DRIP EMITTERS - 2 PER SHRUB
- 2" SCHEDULE 40 PVC MAINLINE, UNLESS OTHERWISE LABELED ON PLANS.
- SDR 21 CLASS 200 PVC LATERAL LINE, 1" UNLESS SHOWN OTHERWISE ON PLANS.
- PVC SCHEDULE 40 SLEEVE, 2 TIMES LARGER THAN ALL PIPES COMBINED.
- 3/4" PE LATERAL LINE UNLESS OTHERWISE LABELED ON PLANS.
- 8 EMITTER PER TREE / 2.0 GPH EACH
 2 EMITTER PER SHRUB / 1.0 GPH EACH
- PUMP HOUSE WITH PUMP AND BACKFLOW IRRIGATION WATER METER, SIZES AS SHOWN ON PLAN.
- RAINBIRD ESP-LXD CONTROLLER. SEE DETAIL 1-314.6.
- FEBCO 825V REDUCED PRESSURE BACKFLOW PREVENTER WITH ASSE 1060 CLASS 1 STAINLESS STEEL ENCLOSURE ELEC. HEATED, INSTALL TO MEET LOCAL CODES AND CITY OF EL PASO REQUIREMENTS, SIZES AS SHOWN ON PLAN.
- WEATHERMATIC 8000 CR SERIES ELECTRIC REMOTE CONTROL VALVE, SEE PLANS FOR VALVE SIZE.
- DRIP ZONE - WEATHERMATIC 8000 CR REMOTE CONTROL VALVE AND RAIN BIRD PRB-OKCHK-100 PRESSURE REGULATING BASKET FILTER.
- STATION NO. VALVE SIZE GALLONS PER MINUTE

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 6080 Sanyo Dr #300
 El Paso, TX 79905
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 POLO NORTE PARK, 12701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS



HUNTER I25-05-SS POP UP ROTOR @50 PSI
NOZZLE NUMBERS (#7, #10 & #13) AS SHOWN ON PLAN
OR APPROVED EQUAL

HUNTER I20-06-SS-PRB POP UP ROTOR @45PSI
NOZZLE NUMBERS (#2 & #4) AS SHOWN ON PLAN
OR APPROVED EQUAL

6 OUTLET EMISSION DEVICE WITH 3.0 GPH DRIP
EMITTERS - 6 PER TREE, 1 PER SHRUB

RAIN BIRD X8-10PC DRIP EMITTERS - 2 PER SHRUB

2' SCHEDULE 40 PVC MAINLINE, UNLESS OTHERWISE
LABELED ON PLANS

SPR 21, CLASS 200 PVC LATERAL LINE, 1" UNLESS
SHOWN OTHERWISE ON PLANS.

PVC SCHEDULE 40 SLEEVE, 2 TIMES LARGER
THAN ALL PIPES COMBINED.

3/4" PE LATERAL LINE UNLESS OTHERWISE
LABELED ON PLANS

8 EMITTER PER TREE / 2.0 GPH EACH
2 EMITTER PER SHRUB / 1.0 GPH EACH

IRRIGATION WATER METER, SIZES AS SHOWN ON PLAN.

PUMP HOUSE WITH PUMP AND BACKFLOW,
PUMP WILL BE SIZED BY THE MANUFACTURER BASED ON
THE FLOW(GPM) AND PRESSURE(FEET OF HEAD)
PROVIDED ON HYDRAULIC CALCULATION TABLE.
SEE DETAIL 1-314.6.

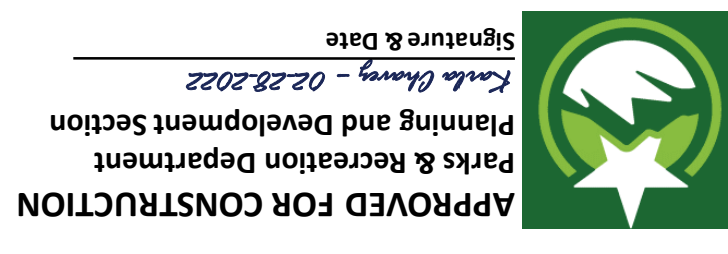
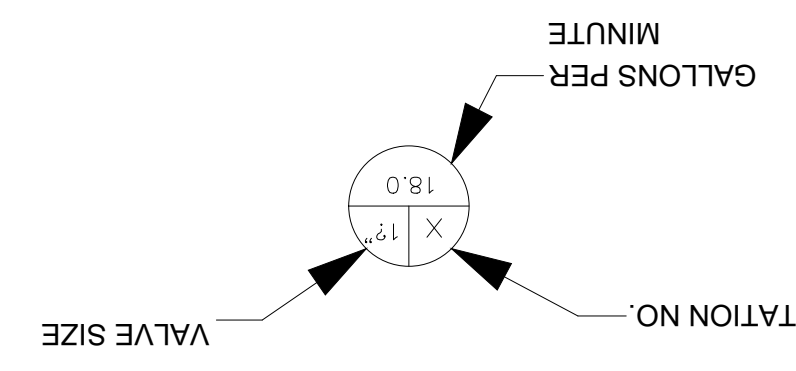
RAIN BIRD ESP-LXD CONTROLLER.

FEBCO 825Y REDUCED PRESSURE BACKFLOW
PREVENTER WITH ASSE 1060 CLASS 1 STAINLESS STEEL
ENCLOSURE ELEC. HEATED INSTALL TO MEET LOCAL
CODES AND CITY OF EL PASO REQUIREMENTS. SIZES
AS SHOWN ON PLAN.

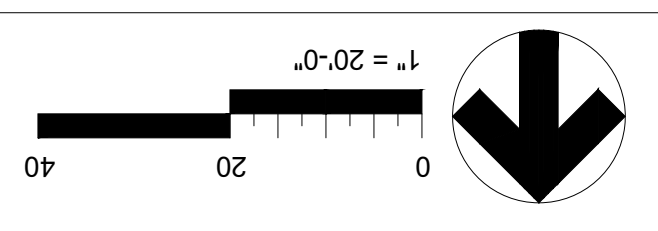
ISOLATION VALVE, SIZES AS SHOWN ON PLAN.

WEATHERMATIC 8000 OR SERIES ELECTRIC REMOTE
CONTROL VALVE, SEE PLANS FOR VALVE SIZE.

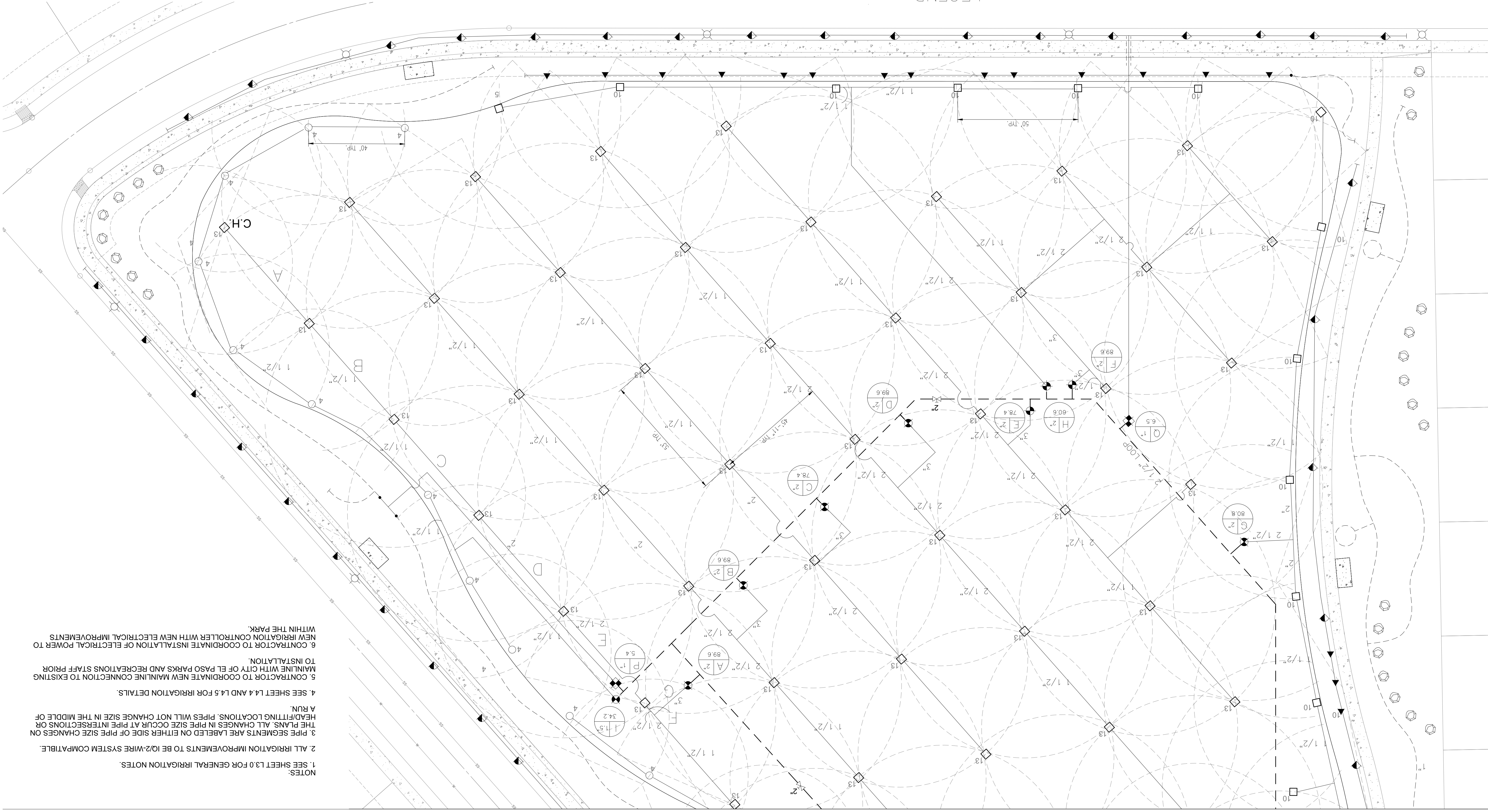
DRIP ZONE - WEATHERMATIC 8000 OR REMOTE
CONTROL VALVE AND RAIN BIRD PRB-OKCHK-100
PRESSURE REGULATING BASKET FILTER.



APPROVED FOR CONSTRUCTION
Signature & Date
Kathie Olmery - 02.28.2022



LEGEND



MATCH LINE - SEE SHEET L3.1

NOTES:
1. SEE SHEET L3.0 FOR GENERAL IRRIGATION NOTES.
2. ALL IRRIGATION IMPROVEMENTS TO BE IO/2-WIRE SYSTEM COMPATIBLE.
3. PIPE SEGMENTS ARE LABELED ON EITHER SIDE OF PIPE SIZE CHANGES ON
THE PLANS. ALL CHANGES IN PIPE SIZE OCCUR AT PIPE INTERSECTIONS OR
HEAD/FITTING LOCATIONS. PIPES WILL NOT CHANGE SIZE IN THE MIDDLE OF
A RUN.
4. SEE SHEET L4.4 AND L4.5 FOR IRRIGATION DETAILS.
5. CONTRACTOR TO COORDINATE NEW MAINLINE CONNECTIONS TO EXISTING
MAINLINE WITH CITY OF EL PASO PARKS AND RECREATION STAFF PRIOR
TO INSTALLATION.
6. CONTRACTOR TO COORDINATE INSTALLATION OF ELECTRICAL POWER TO
NEW IRRIGATION CONTROLLER WITH NEW ELECTRICAL IMPROVEMENTS
WITHIN THE PARK.

| No. | Date | Description |
|-----|-----------|---------------------------------|
| 1 | 4/3/2021 | Plan revised per City comments. |
| 2 | 6/1/2021 | Plan revised per City comments. |
| 3 | 10/1/2021 | Plan revised per City comments. |
| 4 | 2/3/2022 | Plan revised per City comments. |

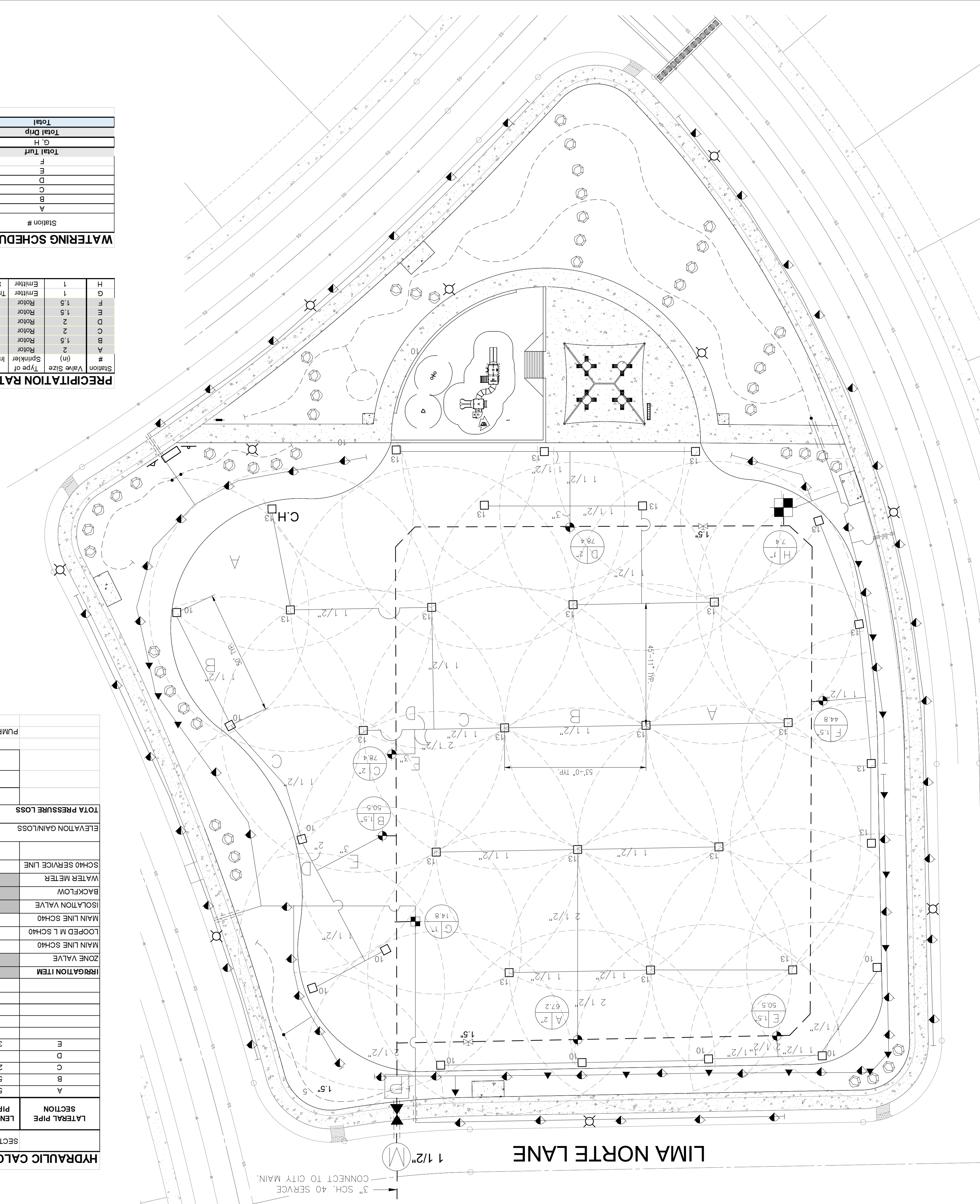
Vermosa, Inc.
El Paso, Texas
915.548.2891
2.3.2022

Quantum Engineering
Consultants, Inc.
720 Aurora Ave
El Paso, Texas
915.522.2272

Southwest Land Development
Services, Inc.
6808 S. Valley Dr #200
El Paso, Texas
915.522.0290

100% CONSTRUCTION DOCUMENTS
VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
POLO NORTE PARK, 12701 POLO NORTE DRIVE,
RIO RIMAC PARK, 7471 RIO RIMAC DR,
CITY OF EL PASO, EL PASO COUNTY, TEXAS.

Project No.:
Issued:
Drawn By: CLH
Checked By: FL
Scale: Per Plan
Sheet Title
IRRIGATION PLAN
POLO NORTE PARK AREA 2
Sheet Number
L3.2



WATERING SCHEDULE

| Station # | Run Time (Mins.) | Total GPM's |
|------------|------------------|-------------|
| A | 81 | 67.2 |
| B | 84 | 50.5 |
| C | 84 | 78.4 |
| D | 81 | 78.4 |
| E | 84 | 50.5 |
| F | 81 | 44.8 |
| Total Turf | 491 | 369.8 |
| G | 60 | 22.2 |
| H | 60 | 22.2 |
| Total Drip | 60 | 22.2 |
| Total | 551 | 392.0 |

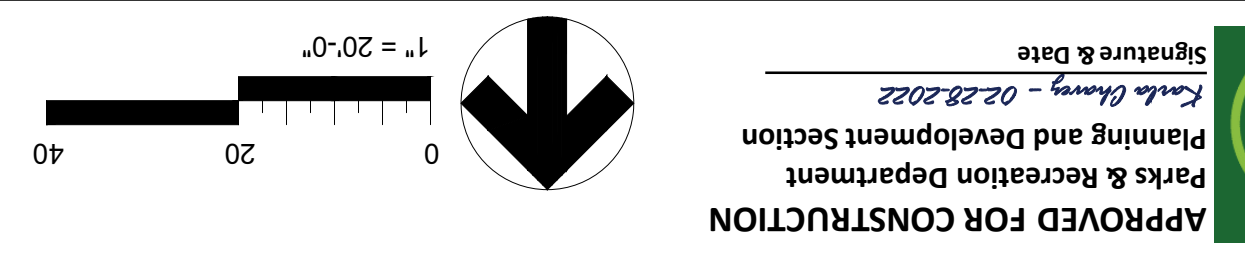
= 9 Hours 11 Mins

PRECIPITATION RATE TABLE - RIO RIMAC PARK

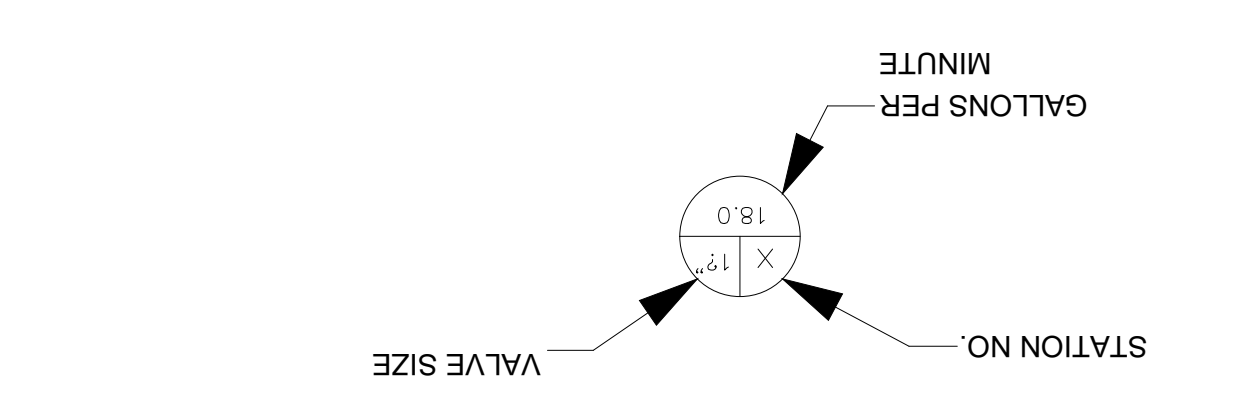
| Station | Value Size (in) | Type of Sprinkler | Irrigated Area (sq ft) | Total GPM's | # of Sprinklers / Emission Devices / Rates (in/hr) | Per Capita (in/hr) | Water Application |
|---------|-----------------|-----------------------|------------------------|-------------|--|--------------------|-------------------|
| A | 2 | Rotor | 67.2 | 0.89 | 6 | 0.89 | 81 |
| B | 1.5 | Rotor | 50.5 | 0.86 | 5 | 0.86 | 84 |
| C | 2 | Rotor | 78.4 | 0.89 | 7 | 0.89 | 81 |
| D | 2 | Rotor | 78.4 | 0.89 | 7 | 0.89 | 81 |
| E | 1.5 | Rotor | 50.5 | 0.86 | 5 | 0.86 | 84 |
| F | 1.5 | Rotor | 44.8 | 0.89 | 4 | 0.89 | 81 |
| G | 1 | Emitter Tree and Snub | 14.8 | N/A | N/A | N/A | 60 |
| H | 1 | Emitter | 7.4 | N/A | N/A | N/A | 60 |

HYDRAULIC CALCULATIONS TABLE - RIO RIMAC PARK

| SECTION NUMBER | SECTION GPM | ACCUMULATED PRESSURE LOSS | PIPE LOSS PER 100 FT | SIZE (IN) | LENGTH OF PIPE (FT) | FLOW (GAL) | LOSS PER 100 FT | SECTION GPM |
|--|-------------|---------------------------|----------------------|-----------|---------------------|------------|-----------------|-------------|
| A | 53.00 | 11.2 | 1.74 | 1" | 1.74 | 0.92 | 0.92 | 53.00 |
| B | 53.00 | 22.4 | 1.74 | 1" | 1.74 | 1.02 | 0.54 | 53.00 |
| C | 27.00 | 33.6 | 2.15 | 1 1/2" | 2.15 | 0.85 | 2.04 | 27.00 |
| D | 7.00 | 67.2 | 2.12 | 2 1/2" | 2.12 | 1.02 | 0.07 | 7.00 |
| E | 30.00 | 78.4 | 0.52 | 3" | 0.52 | 0.16 | 2.27 | 30.00 |
| SECTION PRESSURE LOSS (SUB-TOTAL) | | | | | | | | |
| 2.27 | | | | | | | | |
| IRRIGATION ITEM | | | | | | | | |
| ZONE VALVE | | | | | | | | |
| 4 | 78.4 | 0.6 | 0.6 | 3" | 0.6 | 5.53 | 5.53 | 78.4 |
| MAIN LINE SCH40 | | | | | | | | |
| 341 | 39.2 | 1.16 | 3.96 | 3" | 1.16 | 9.49 | 5.33 | 39.2 |
| LOOPED M L SCH40 | | | | | | | | |
| 38 | 78.4 | 0.23 | 9.72 | 3" | 0.23 | 9.72 | 9.72 | 78.4 |
| ISOLATION VALVE | | | | | | | | |
| 78.4 | 2.90 | 12.62 | 2.90 | 2" | 2.90 | 12.62 | 12.62 | 78.4 |
| BACKFLOW | | | | | | | | |
| 78.4 | 12.00 | 24.62 | 12.00 | 1 1/2" | 12.00 | 24.62 | 24.62 | 78.4 |
| WATER METER | | | | | | | | |
| 78.4 | 4.70 | 28.32 | 4.70 | 2" | 4.70 | 28.32 | 28.32 | 78.4 |
| SCH40 SERVICE LINE | | | | | | | | |
| 30 | 78.4 | 0.6 | 0.6 | 3" | 0.6 | 28.50 | 0.18 | 78.4 |
| TOTAL PRESSURE LOSS TO CITY MAIN (PSI) | | | | | | | | |
| 28.50 | | | | | | | | |
| ELEVATION GAIN/LOSS | | | | | | | | |
| 1 X 0.433 (# of feet x 0.433) | | | | | | | | |
| -0.43 | | | | | | | | |
| TOTAL PRESSURE LOSS PLUS ELEVATION GAIN OR LOSS | | | | | | | | |
| 29.07 | | | | | | | | |
| MINIMUM REQUIRED HEAD PRESSURE (PSI) | | | | | | | | |
| 50 | | | | | | | | |
| STATIC UNKNOWN PSI | | | | | | | | |
| 79.07 | | | | | | | | |
| ACTUAL HEAD PRESSURE #VALUE | | | | | | | | |
| 79.07 | | | | | | | | |
| PUMP SIZING INFO FOR MANUFACTURER | | | | | | | | |
| 79.07 X 2.31 X 110% = 200.90 FEET OF HEAD @78.4GPM | | | | | | | | |



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development Section
 Signature & Date
 02/28/2022



LEGEND

- RAIN BIRD ESP-LXD CONTROLLER.
- RAIN BIRD EMT-6XER1 6 OUTLET EMISSION DEVICE RAIN BIRD XB-10PC DRIP EMITTERS - 2 PER SHRUB.
- 6 OUTLET EMISSION DEVICE WITH 3.0 GPH DRIP EMITTERS - 6 PER TREE, 1 PER SHRUB.
- HUNTER I-25-06-SS POP UP ROTOR @50 PSI NOZZLE NUMBERS (#7, #10 & #13) AS SHOWN ON PLAN OR APPROVED EQUAL.
- HUNTER I-20-06-SS-PRB POP UP ROTOR @45PSI NOZZLE NUMBERS (#2 & #4) AS SHOWN ON PLAN OR APPROVED EQUAL.
- 2 SCHEDULE 40 PVC MAINLINE. UNLESS OTHERWISE LABELED ON PLANS.
- SDR 21, CLASS 200 PVC LATERAL LINE, 1" UNLESS SHOWN OTHERWISE ON PLANS.
- PVC SCHEDULE 40 SLEEVE, 2 TIMES LARGER THAN ALL PIPES COMBINED.
- 3/4" PE LATERAL LINE UNLESS OTHERWISE LABELED ON PLANS.
- 2 EMITTER PER TREE / 2.0 GPH EACH
- 8 EMITTER PER SHRUB / 1.0 GPH EACH
- IRRIGATION WATER METER, SIZES AS SHOWN ON PLAN.
- PUMP HOUSE WITH PUMP AND BACKFLOW PREVENTER WITH ASSE 1060 CLASS I STAINLESS STEEL ENCLOSURE ELEC. HEATED, INSTALL TO MEET LOCAL CODES AND CITY OF EL PASO REQUIREMENTS. SIZES AS SHOWN ON PLAN.
- ISOLATION VALVE, SIZES AS SHOWN ON PLAN.
- WEATHERMATIC 8000 OR SERIES ELECTRIC REMOTE CONTROL VALVE. SEE PLANS FOR VALVE SIZE.
- DRIP ZONE - WEATHERMATIC 8000 OR REMOTE CONTROL VALVE AND RAIN BIRD PRB-0CHK-100 PRESSURE REGULATING BASKET FILTER.

NOTES:

- SEE SHEET L3.0 FOR GENERAL IRRIGATION NOTES.
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Southwest Land Development Services, Inc.
 6080 Shingo Ct #300
 Dallas, TX 75230
 972.506.0280

Quantum Engineering Consultants, Inc.
 720 Arroyo Ave
 El Paso, TX 79902
 915.562.7272

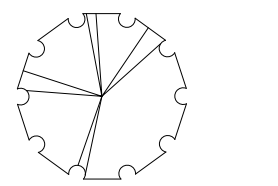
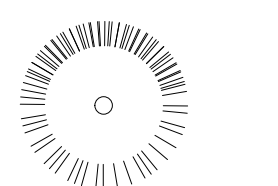
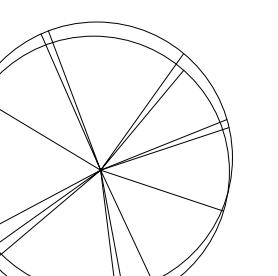
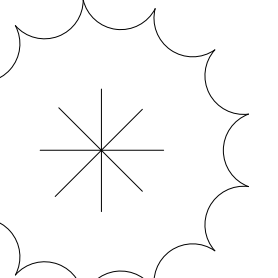
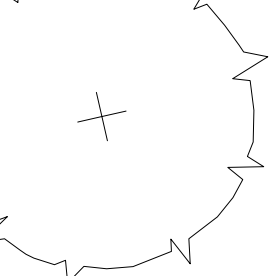
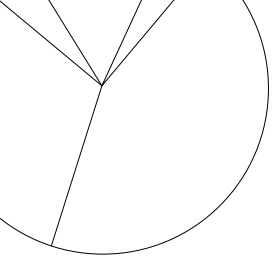
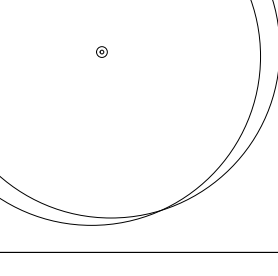
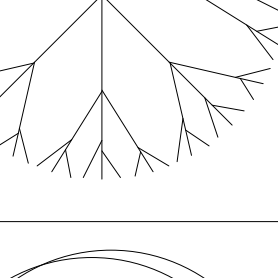
Vermosa, Inc.
 7400 Woodland Blvd, Suite 207
 El Paso, TX 79905
 915.562.2091

100% CONSTRUCTION DOCUMENTS
VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
 POLO NORTE PARK, 12701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

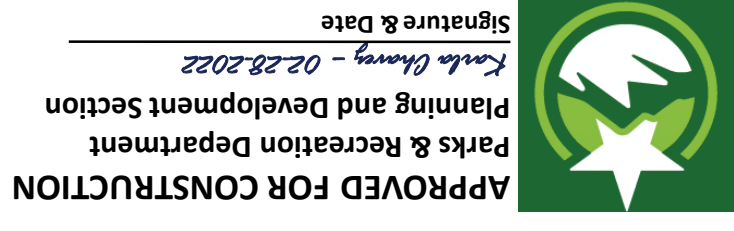
Revision

| No. | Date | Description |
|-----|-----------|--------------------------------|
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| 4 | 2/3/2022 | Plan revised per City comments |

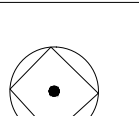
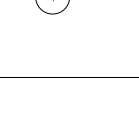

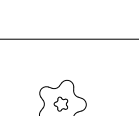
Project No.:
Issues: CLH
Drawn By: FL
Checked By: Per Plan
Scale:
Sheet Title: IRRIGATION PLAN
Sheet Number: L3.3

| SYMBOL | UNIT | QTY | COMMON NAME | BOTANICAL NAME | SIZE | REMARKS |
|---|------|-----|-------------------------------|------------------------------------|---------|-----------------|
|  | EA | 14 | TEXAS REDBUD | CERCIS CANADENSIS VAR. TEXENSIS | 2" CAL. | CONTAINER GROWN |
|  | EA | 10 | ALLIGATOR JUNIPER | JUNIPERUS DEPEANA | 2" CAL. | CONTAINER GROWN |
|  | EA | 40 | CHINESE PISTACHE | PISTACIA CHINENSIS | 2" CAL. | CONTAINER GROWN |
|  | EA | 24 | MONDEL PINE OR AFGHAN PINE | PINUS ELDARICA | 3" CAL. | CONTAINER GROWN |
|  | EA | 26 | THORNLESS HONEY LOCUST | GLEDITSIA TRIACANTHOS | 3" CAL. | CONTAINER GROWN |
|  | EA | 7 | SOUTHERN LIVE OAK | QUERCUS VERGINIANA | 3" CAL. | CONTAINER GROWN |
|  | EA | 33 | MEXICAN WHITE OAK | QUERCUS POLYMRPHA | 3" CAL. | CONTAINER GROWN |
|  | EA | 10 | THORNLESS HONEY MESQUITE | PROSOPIS GLANDULOSA | 3" CAL. | CONTAINER GROWN |

PLANT QUANTITY TABLE - TREE



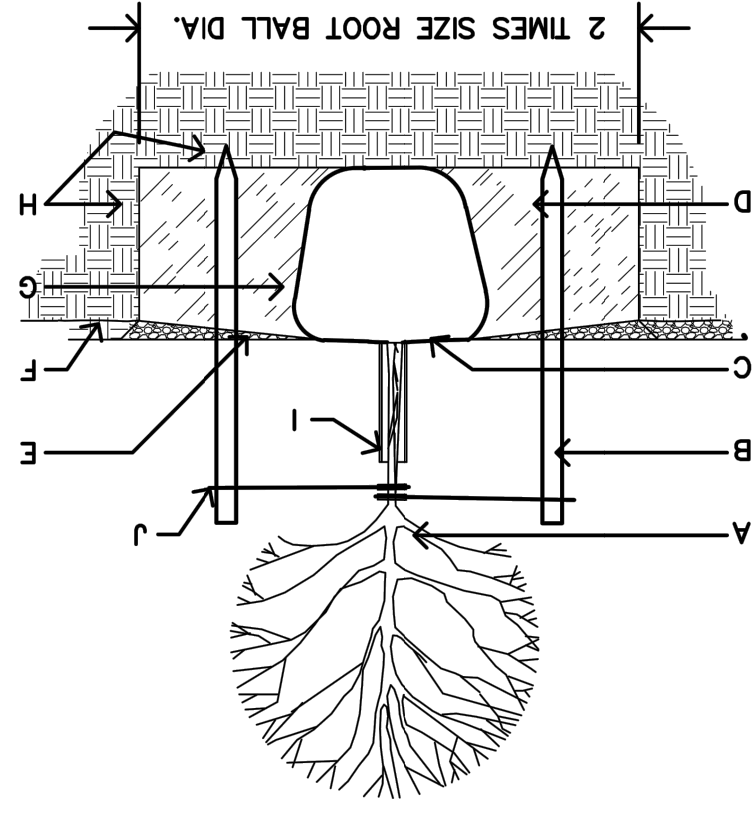
APPROVED FOR CONSTRUCTION
Parks & Recreation Department
Planning and Development Section
Linda Chetty - 02.28.2022
Signature & Date

| | | | | | | |
|---|----|----|-------------------------|------------------------------|--------|-----------------|
|  | EA | 27 | YELLOW BELLS | TECOMA STANS | 5 GAL. | CONTAINER GROWN |
|  | EA | 22 | RED BIRD OF PARADISE | CAESALPINA PULCHERRIMA | 5 GAL. | CONTAINER GROWN |
|  | EA | 27 | DESERT SENNA | SENNA NEMOPHILA | 5 GAL. | CONTAINER GROWN |
|  | EA | 45 | LYNN'S LEGACY SAGE | LANGMANIAE LYNN'S LEGACY | 5 GAL. | CONTAINER GROWN |
|  | EA | 80 | RUSSIAN SAGE | PEROVSKIA ATRIPPLICIFOLIA | 5 GAL. | CONTAINER GROWN |
|  | EA | 31 | UPRIGHT ROSEMARY | ROSMARINUS OFFICINALIS | 5 GAL. | CONTAINER GROWN |
|  | EA | 44 | RED FALSE YUCCA | HESPERALOE PARVIFLORA | 5 GAL. | CONTAINER GROWN |
|  | EA | 66 | PINK MUHLY GRASS | MUHLENBERGIA CAPILLARIS | 5 GAL. | CONTAINER GROWN |
|  | EA | 26 | TURPENTINE BUSH | ERICAMERIA LARICIFOLIA | 5 GAL. | CONTAINER GROWN |
|  | EA | 45 | WOOLY BUTTERFLY BUSH | BUDDLEJA MARRUBIIFOLIA | 5 GAL. | CONTAINER GROWN |
|  | EA | 7 | GOLDEN LANTANA | LANTANA X NEW GOLD | 5 GAL. | CONTAINER GROWN |

PLANT QUANTITY TABLE - SHRUB

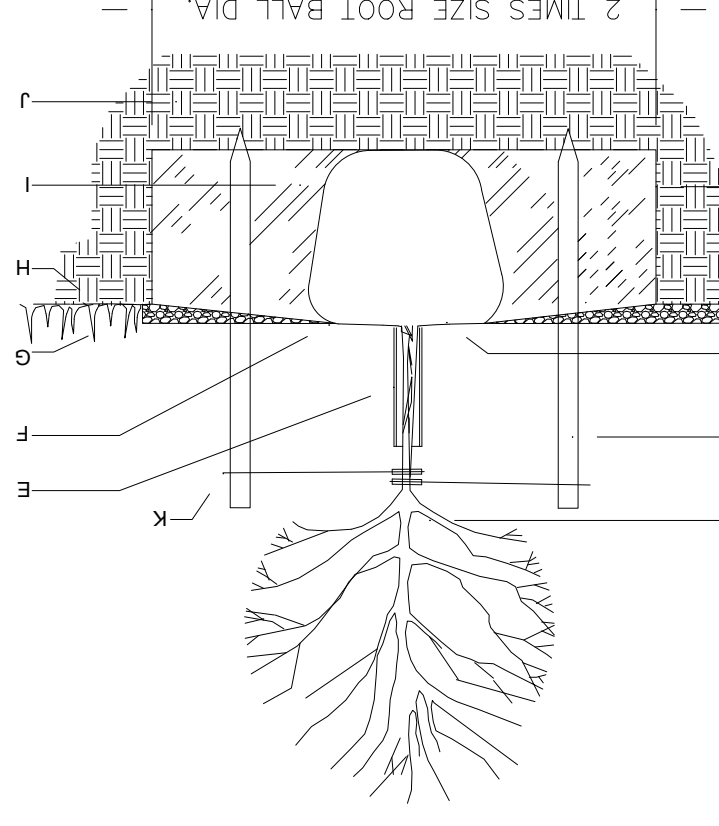
TREE PLANTING BALLED AND-BURLAP

- TREE
- STAKING AS NEEDED
- 4" SPACE BETWEEN MULCH AND TREE
- PLANTING HOLE
- DEPTH OF BARK MULCH-SEE PLAN
- FINISH SOIL GRADE
- BACKFILL WITH EXISTING NATIVE SOIL
- TREE GUARD
- UNDISTURBED SOIL
- TIES TO STAKES TO HAVE RUBBER HOSE TO PROTECT TREE TRUNK FROM DAMAGE BY WIRE
- 2" BIRCH WIRE TIES TO BE LOOSE (1" TO 2" PLAY ON PLAN)
- TRUNK DAMAGE WIRE TIES TO BE SET ON SAME TRUNK OR MAIN TRUNK.



TREE PLANTING BALLED AND-BURLAP
IN SODDED AREAS

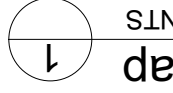
- TREE
- STAKING AS NEEDED
- 4" SPACE BETWEEN MULCH AND TREE
- SIDES OF PLANTING HOLE
- TRUNK DAMAGE WIRE TIES TO BE SET ON SAME TRUNK OR MAIN TRUNK.
- FINISH SOIL GRADE
- BACKFILL WITH EXISTING NATIVE SOIL
- UNDISTURBED SOIL
- TIES TO STAKES TO HAVE RUBBER HOSE TO PROTECT TREE TRUNK FROM DAMAGE BY WIRE
- 2" BIRCH WIRE TIES TO BE LOOSE (1" TO 2" PLAY ON PLAN)
- TRUNK DAMAGE WIRE TIES TO BE SET ON SAME TRUNK OR MAIN TRUNK.



GENERAL NOTES:

- KEEP SOIL BELOW ROOT BALL UNDISTURBED TO PREVENT TREE FROM SETTLING
- REMOVE ANY EXCESS SOIL FROM TOP OF ROOTBALL TO EXPOSE ROOT FLARE (WHERE TOP MOST ROOT EMERGES FROM THE TRUNK), PLANT WITH ROOT (WHERE TOP MOST ROOT EMERGES FROM THE TRUNK), FINISH GRADE 1"-2" HIGHER
- PRIOR TO BACKFILLING, REMOVE BURLAP ROPE TWINES AND WHIP TOP AND SIDES OF ROOTBALL AND FROM PLANTING HOLE. CUT ANY ROOTS THAT ARE CIRCLING THE CONTAINER.
- TAMP SOIL FIRMLY AROUND BASE OF ROOTBALL WITH FOOT PRESSURE
- AT TIME OF PLANTING, ONLY PRUNE CO-DOMINANT LEADERS (DOES NOT APPLY TO MULTI-TRUNK SPECIMENS), CROSSOVER LIMBS, AND DEAD OR BROKEN BRANCHES
- DO NOT ALLOW MULCH IN CONTACT WITH TREE TRUNK, KEEP AT LEAST 4" AWAY FROM TRUNK
- INSTALL TREE GUARD
- WHEN DONE, THOROUGHLY WATER TO ELIMINATE AIR POCKETS
- STAKING IS NOT REQUIRED - STAKE TREES ONLY IF TREE CANNOT STAND ALONE AND WITH APPROVAL OF THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL NOT STAKE ALL TREES INDISCRIMINANTLY, APPROVAL MUST BE OBTAINED TO STAKE TREES
- WITH APPROVAL, PROVIDE MIN. 3 STAKES/ TREE (TYP.) IN A TRIANGULAR PATTERN, STAKED INTO UNDISTURBED SOIL WITH CLARK'S TREE STAKE KIT OR APPROVED EQUAL, REMOVE AFTER ONE GROWING SEASON
- TOP OF ROOT BALL SHALL BE LEVEL WITH TOP OF MULCH OR BARK. MULCH SHALL BE FEATHERED TO FULL DEPTH.

Tree Planting & Staking Details - Balled-and-Burlap



- TREES PLANTED IN ROCKY, CALICHE AND CLAY SOILS TO HAVE 1/3 TO 1/2 TOP SOIL BLENDED WITH CLAY SOIL AND USED AS BACKFILL
- TREES PLANTED IN ROCKY, CALICHE AND CLAY SOILS TO HAVE 1/3 TO 1/2 TOP SOIL BLENDED WITH CLAY SOIL AND USED AS BACKFILL
- TREES PLANTED IN ROCKY SOIL ARE TO HAVE ALL ROCKY MATERIAL LARGER THAN 1" IN SIZE REMOVED

| Revision | No. | Date | Description |
|----------|-----|-----------|---------------------------------|
| | 1 | 4/9/2021 | Plan revised per City comments. |
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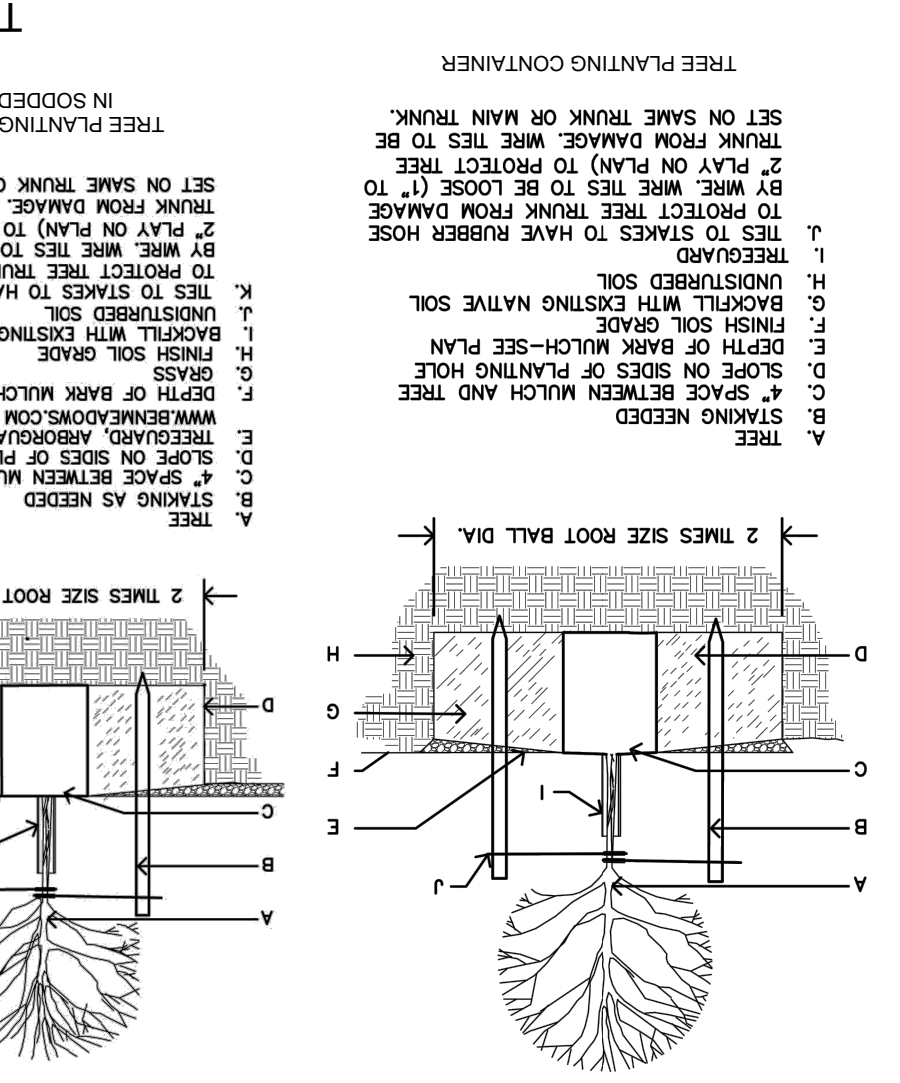
Vermosa, Inc.
7400 Vermont Blvd, Suite 207
El Paso, Texas 79925
915.836.1500

Quantum Engineering Consultants, Inc.
770 Arroyo Ave
El Paso, Texas 79902
915.832.1272

Southwest Land Development Services, Inc.
6980 Sandoz Ct #300
El Paso, Texas 79905
915.836.0288

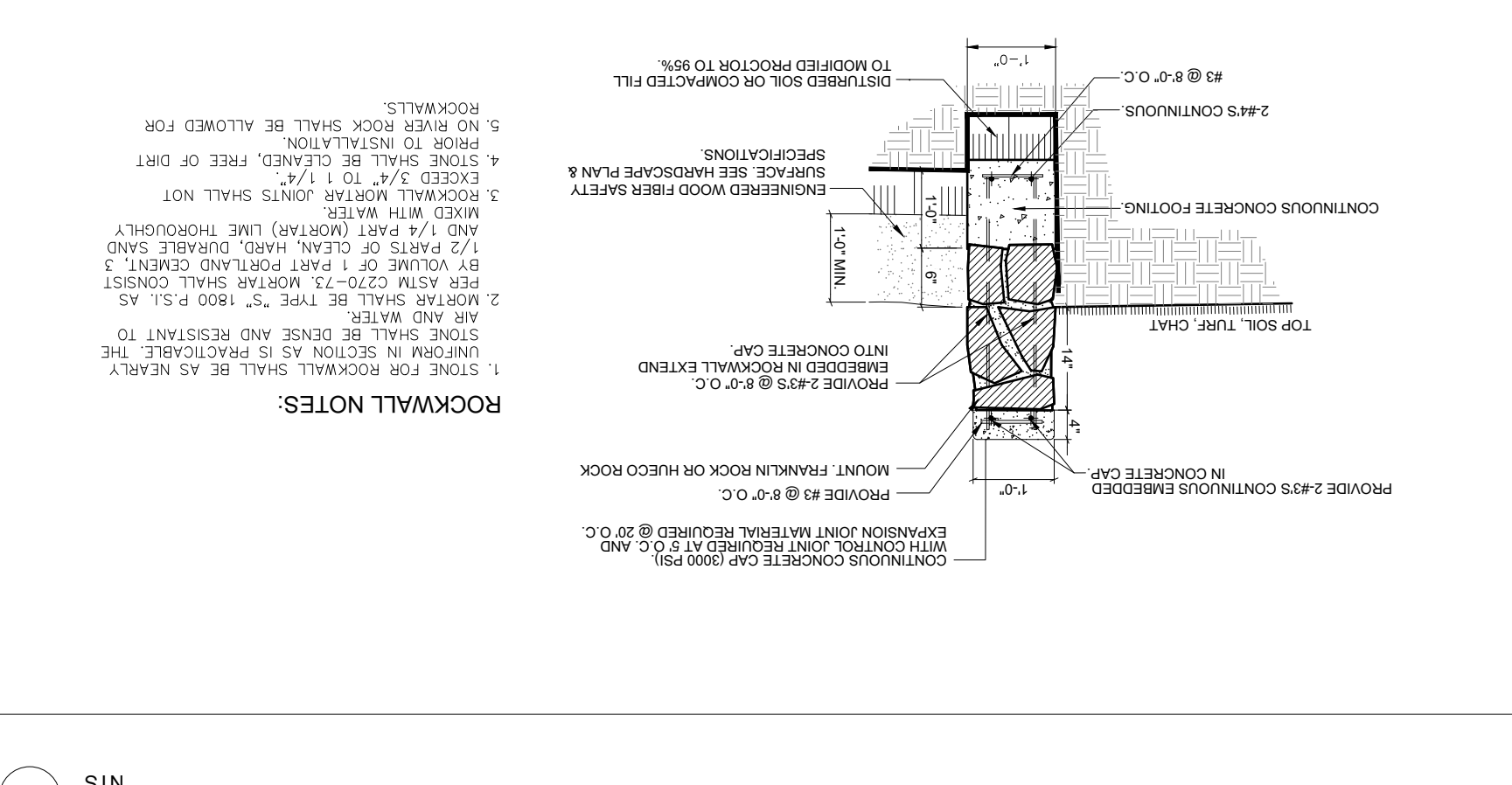
100% CONSTRUCTION DOCUMENTS
**VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK**
POLO NORTE PARK, 42701 POLO NORTE DRIVE
RIO RIMAC PARK, 7471 RIO RIMAC DR.
CITY OF EL PASO, EL PASO COUNTY, TEXAS.

Project No.:
Issues:
Drawn By: CLH
Checked By: FL
Scale: Per Plan
Sheet Title
LANDSCAPE DETAILS
Sheet Number
L4.1



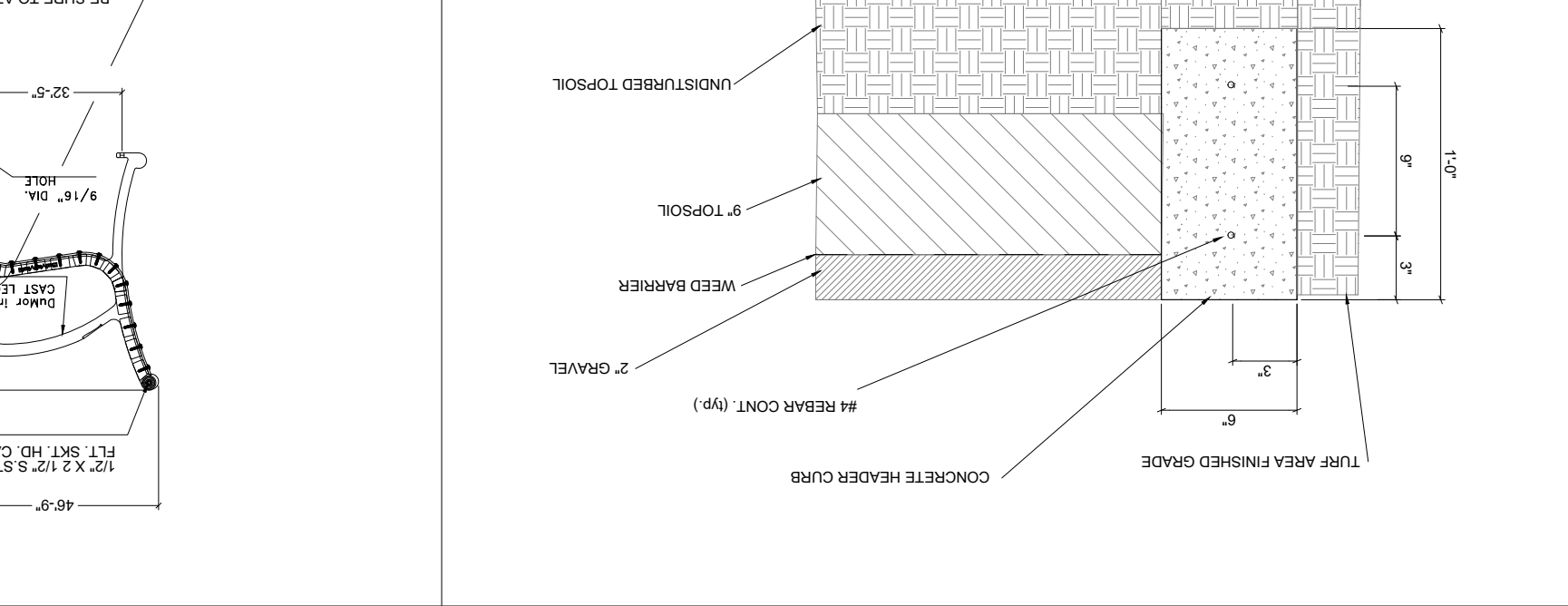
PLANTING NOTES:

1. PREPARE ANY EXCESS SOIL FROM TOP OF ROOTBALL TO PREVENT TREE FROM TILTING.
2. REMOVE ANY EXCESS SOIL FROM TOP OF ROOTBALL TO PREVENT TREE FROM TILTING.
3. REMOVE ANY EXCESS SOIL FROM TOP OF ROOTBALL TO PREVENT TREE FROM TILTING.
4. STAKE ON SIZES OF PLANTING HOLE.
5. STAKE ON SIZES OF PLANTING HOLE.
6. STAKE ON SIZES OF PLANTING HOLE.
7. STAKE ON SIZES OF PLANTING HOLE.
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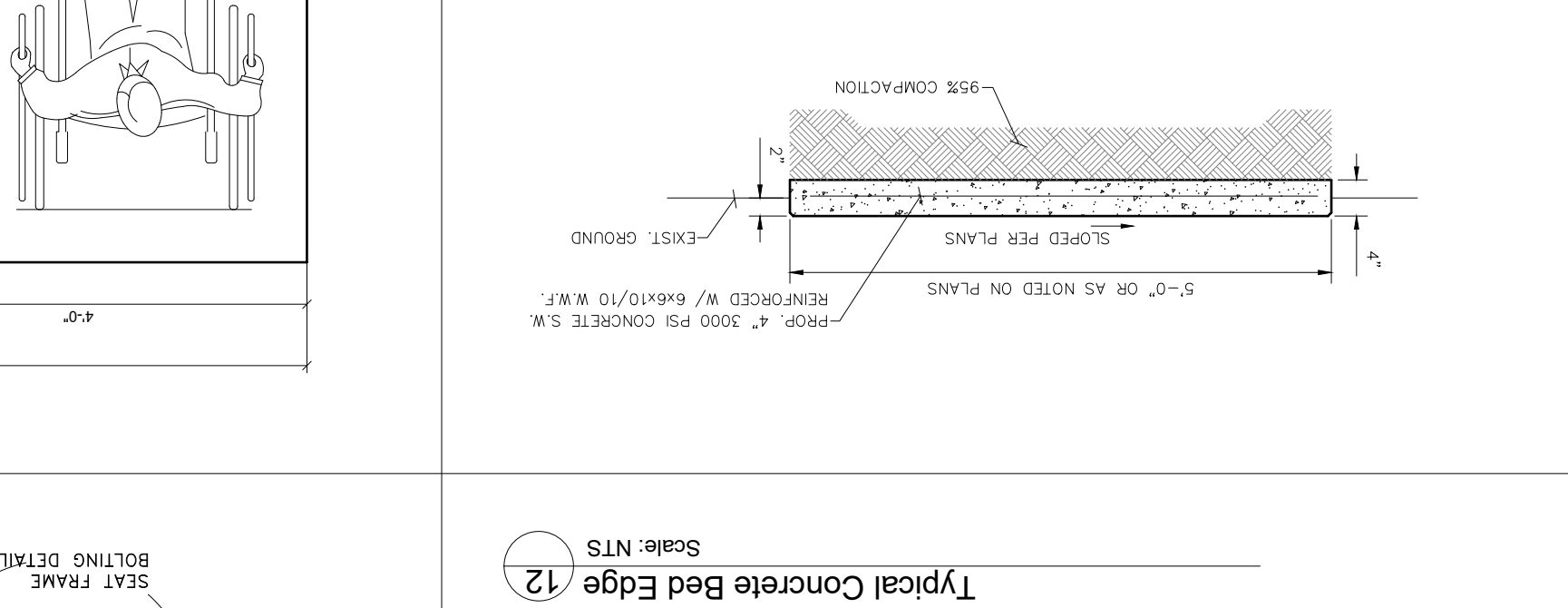
ROCKWALL NOTES:

1. STONE FOR ROCKWALL SHALL BE AS NEARLY EMBEDDED IN ROCKWALL EXTEND INTO CONCRETE CAP.
2. MORTAR SHALL BE TYPE "S", 1800 P.S.I. AS PER ASTM D2267-15. MORTAR SHALL CONSIST OF 1 PART PORTLAND CEMENT, 3 PARTS OF CLEAN, HARD, DRAINABLE SAND AND 1/2 PART (MORTAR) LIME THROUGHOUT.
3. MORTAR SHALL BE MIXED WITH WATER TO MOISTEN TO THE POINT WHERE IT WILL HOLD TOGETHER.
4. EXCESS 1/4" TO 1/2" SURFACE SEE HARDWARE PLAN & SPECIFICATIONS.
5. ROCKWALL JOINTS SHALL NOT BE SPACED MORE THAN 12 FEET.
6. ROCKWALL JOINTS SHALL NOT BE SPACED MORE THAN 12 FEET.
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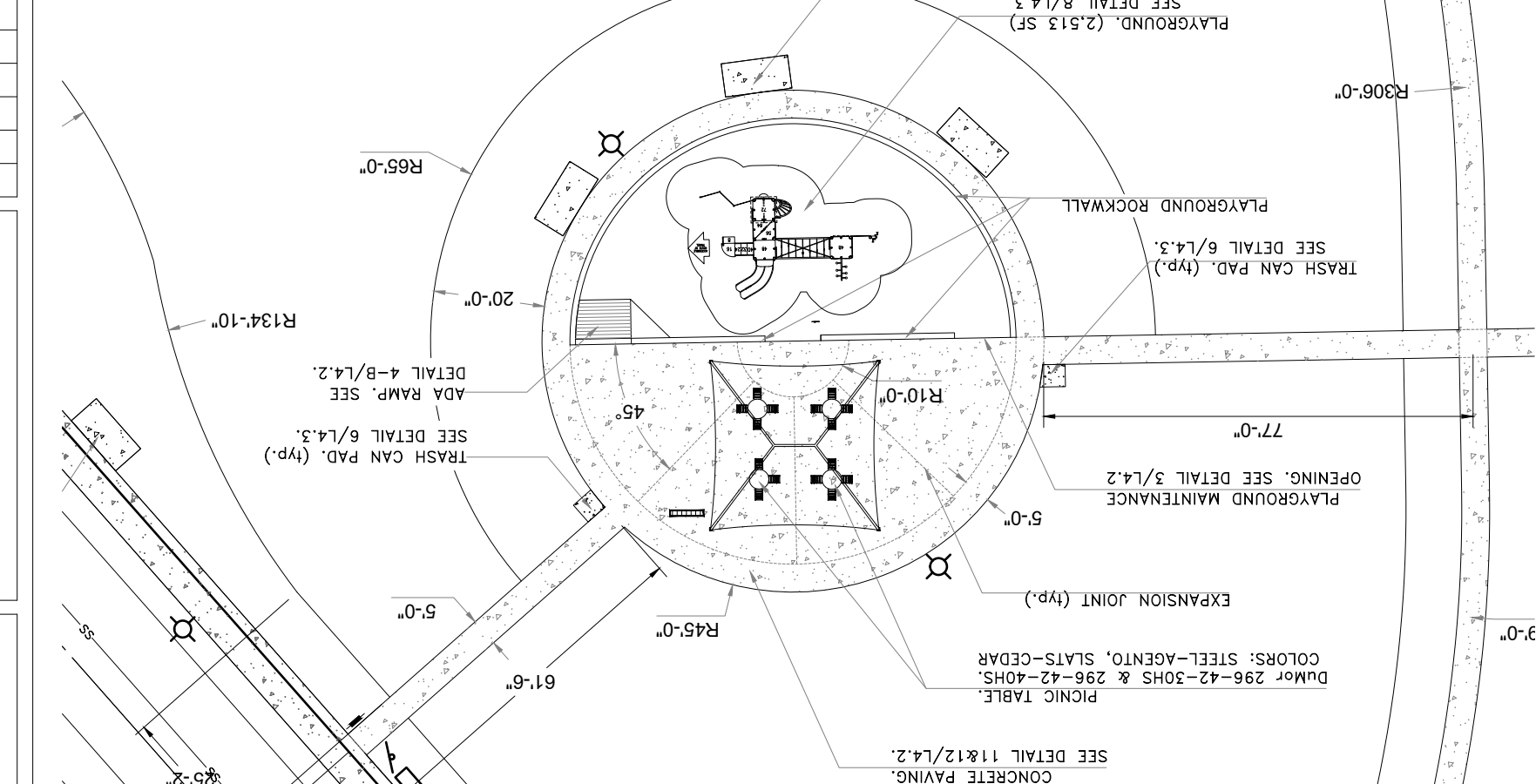
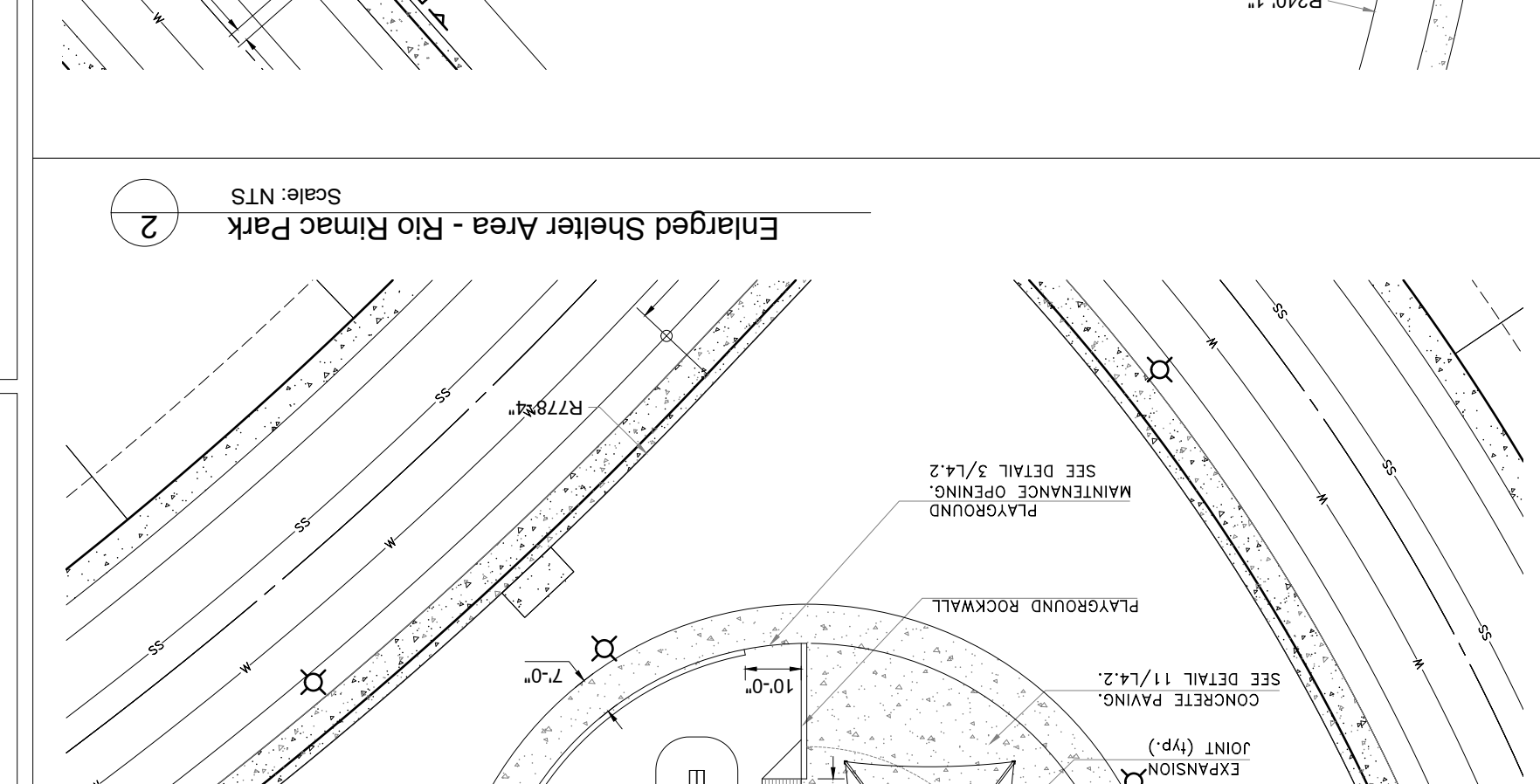
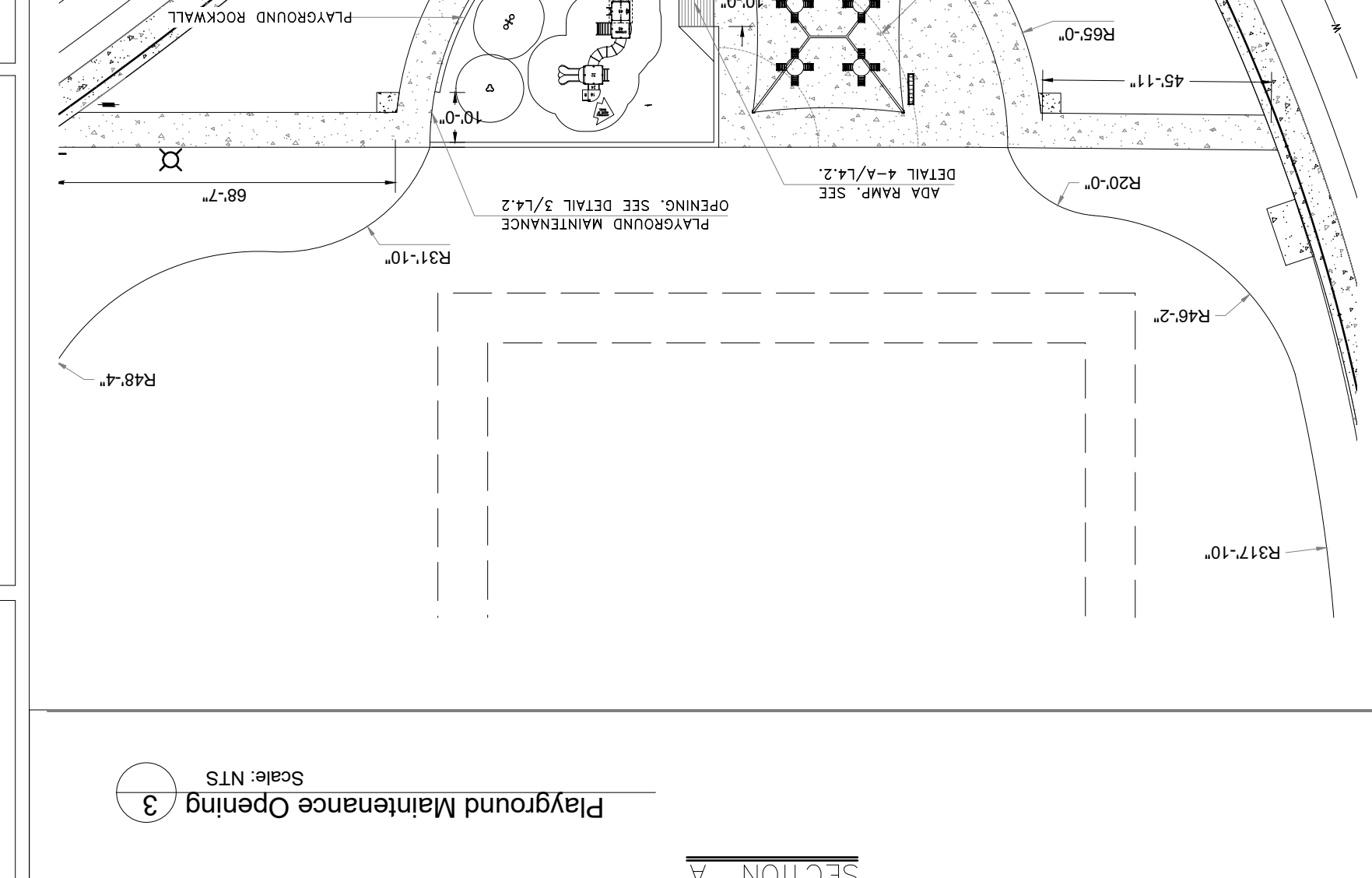
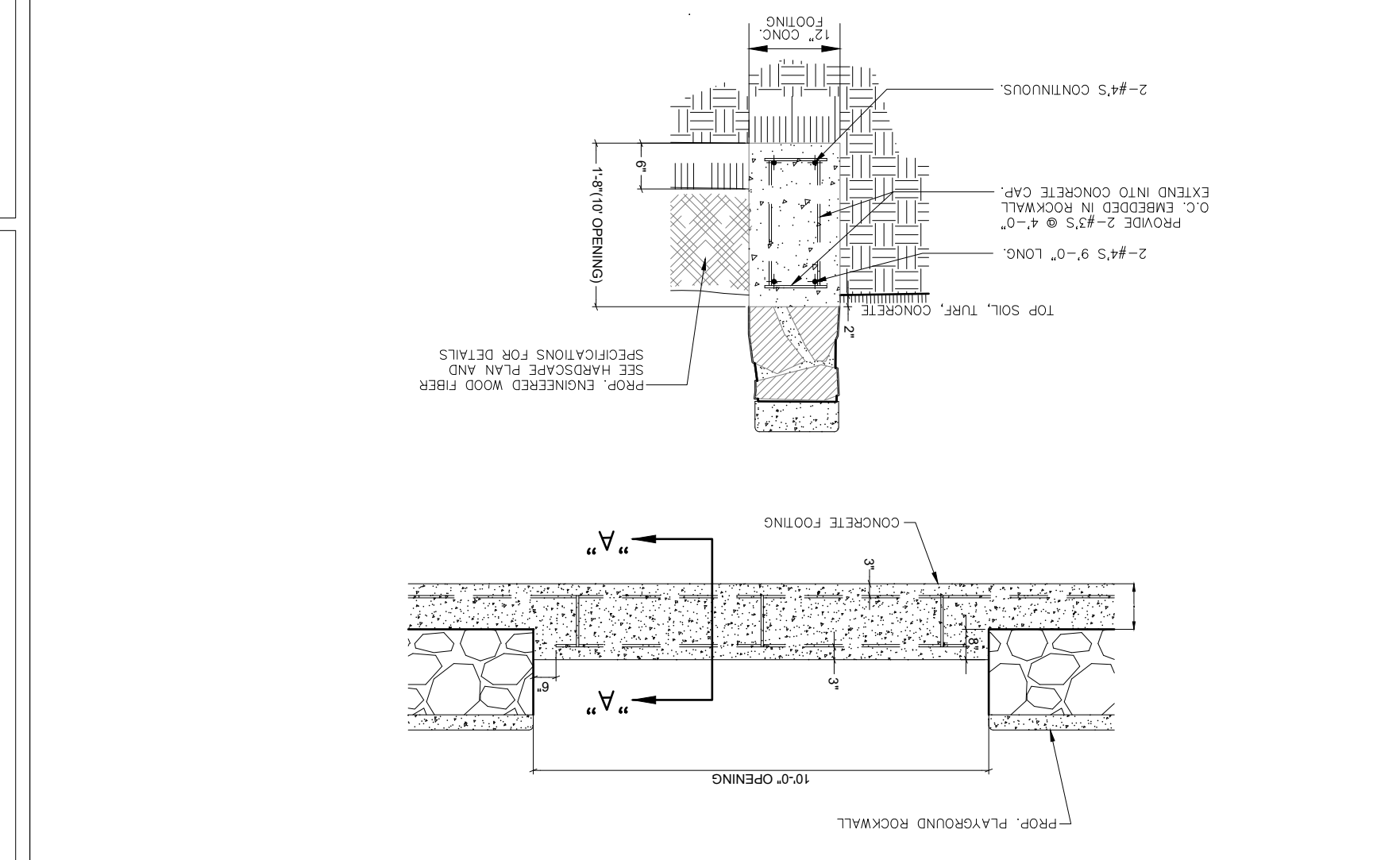
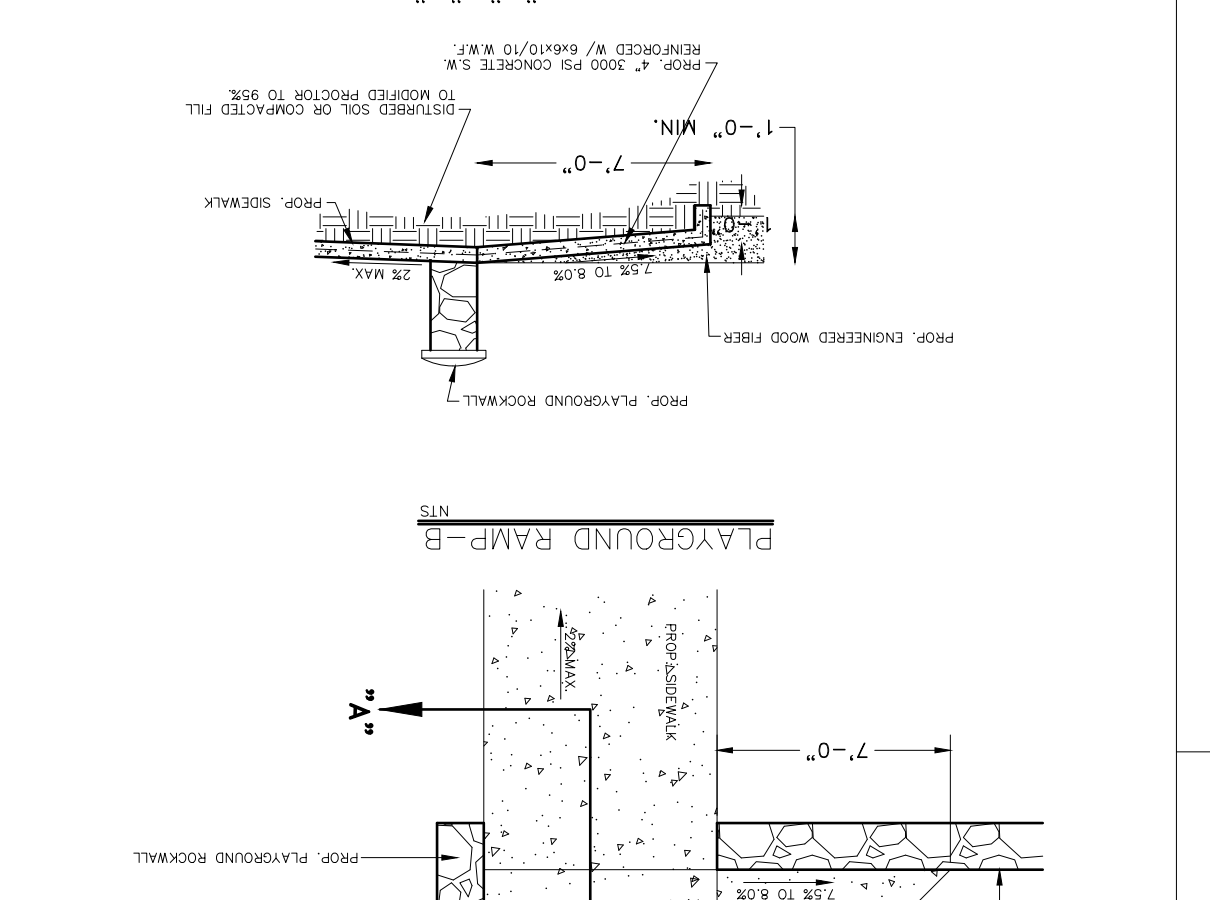
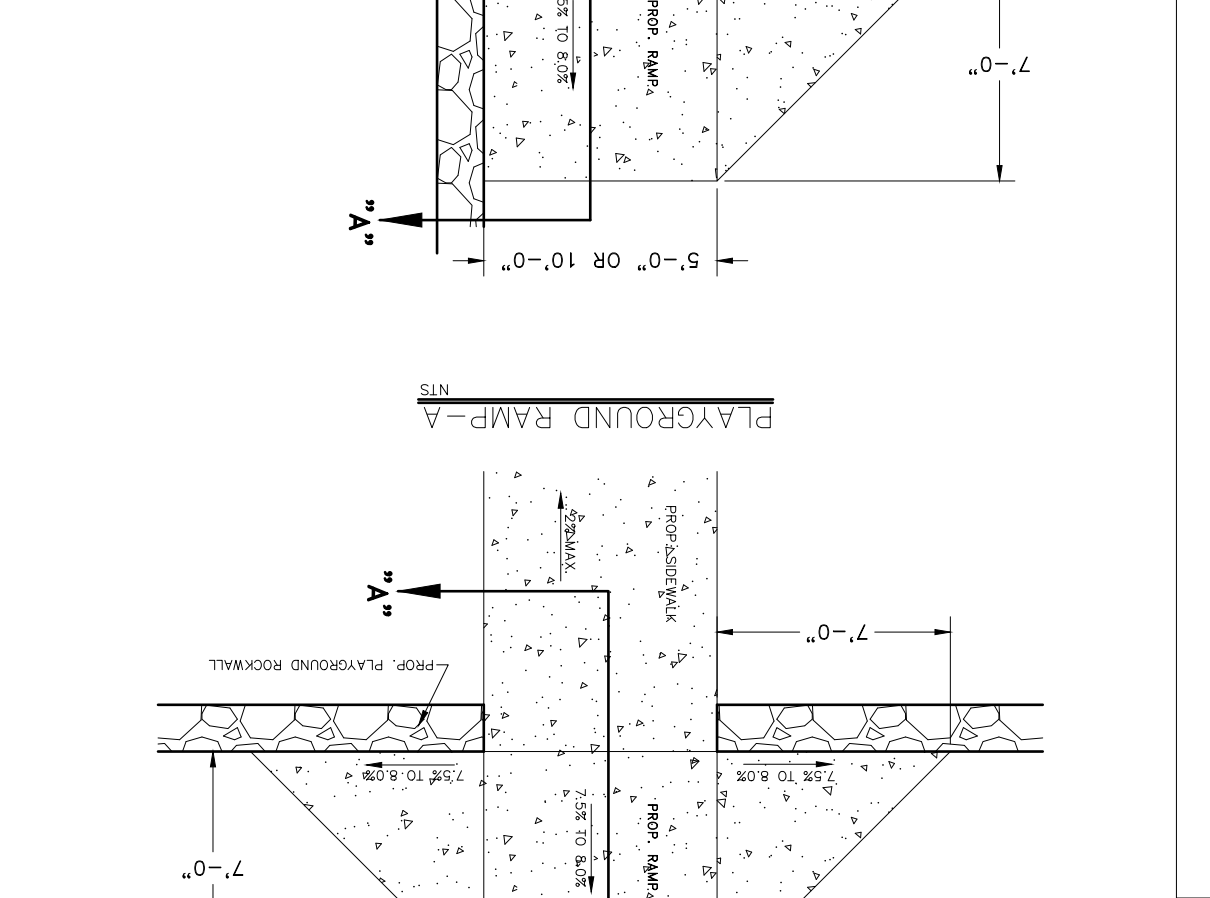
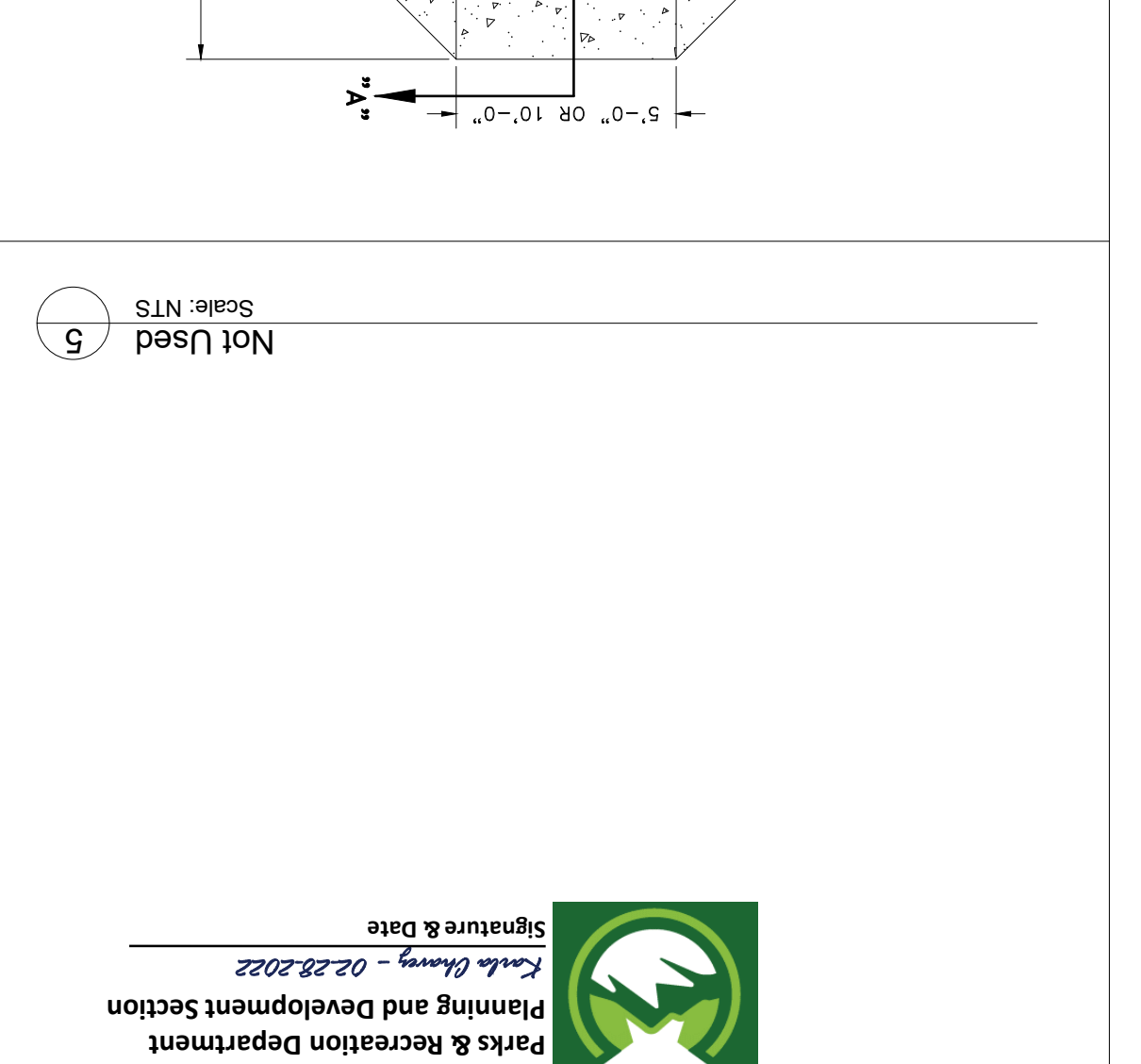
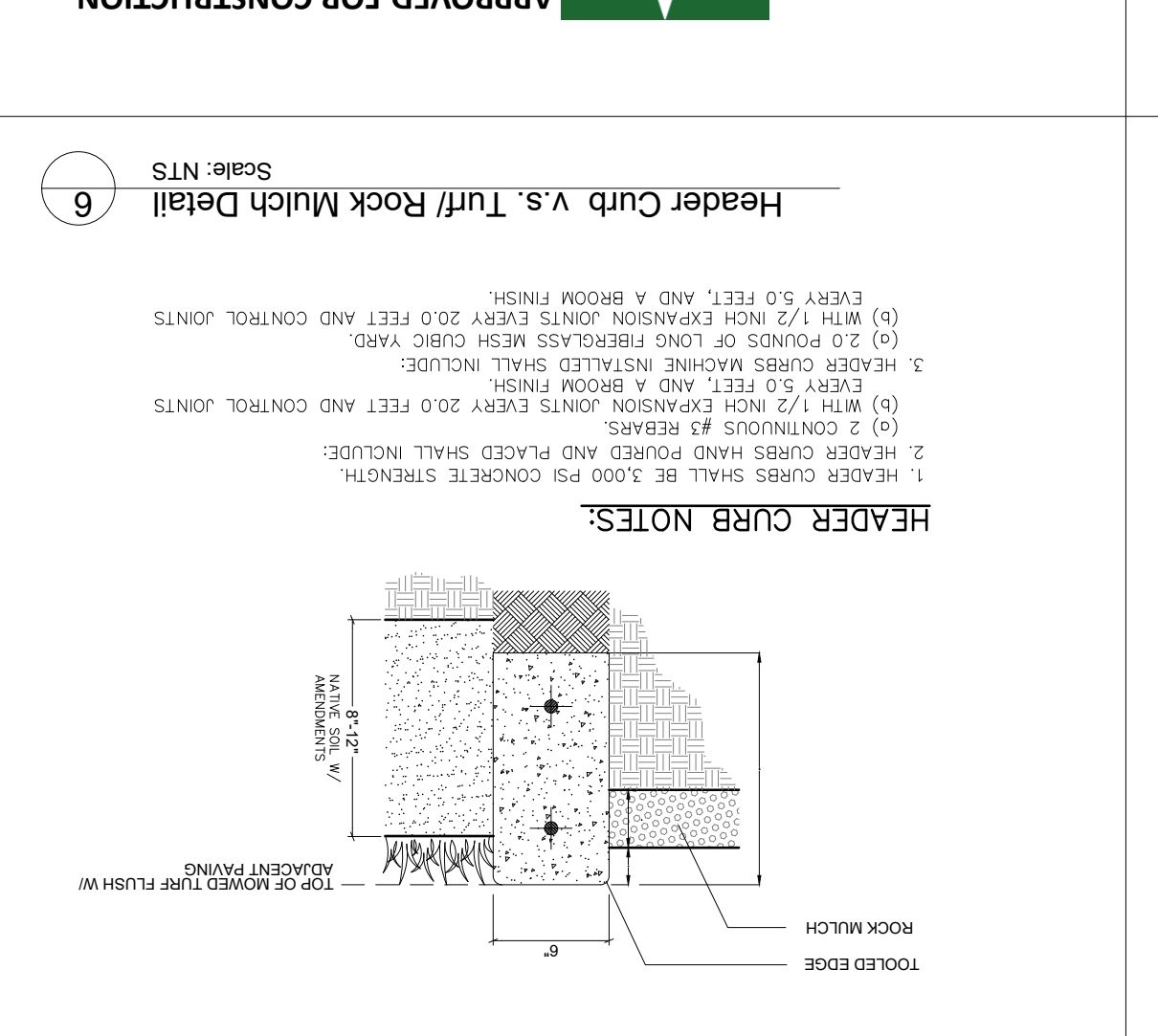
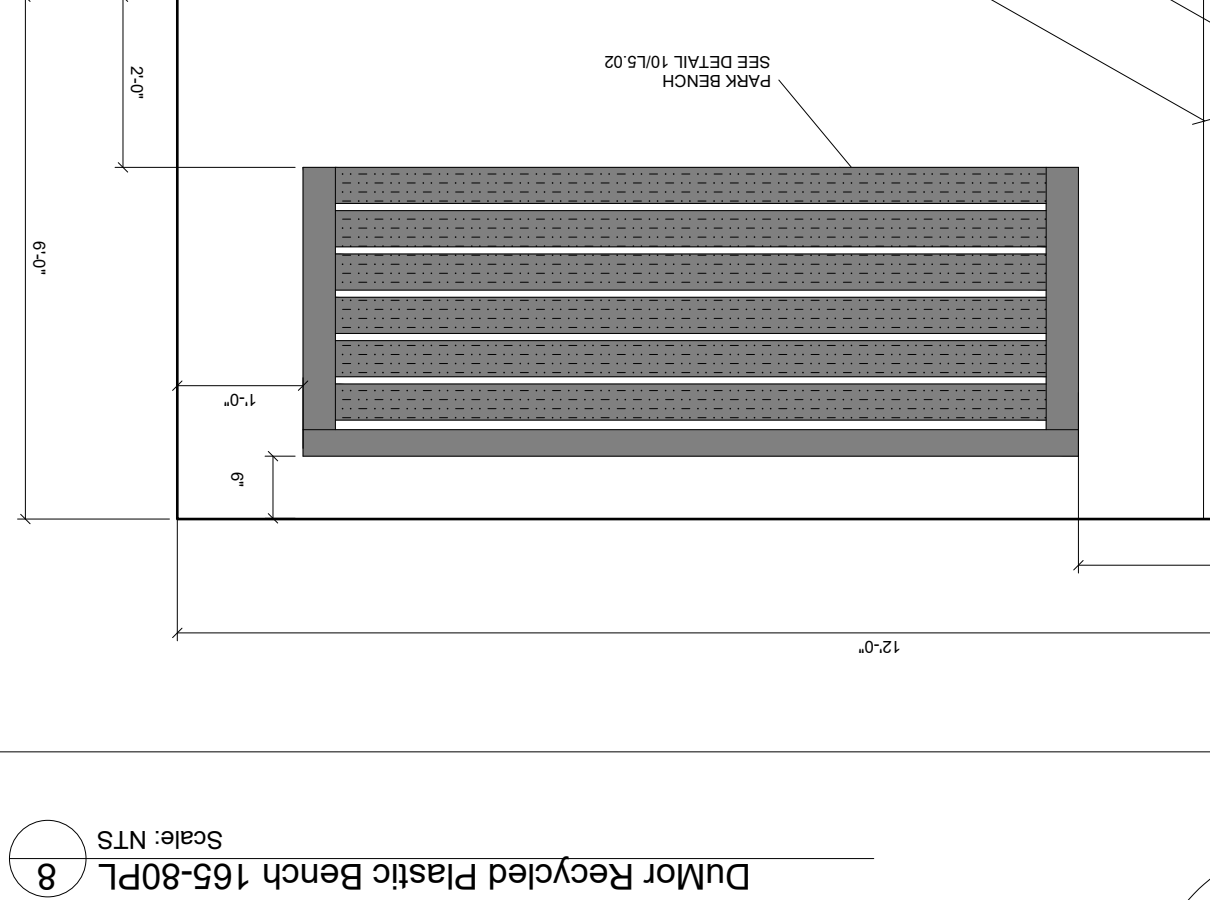
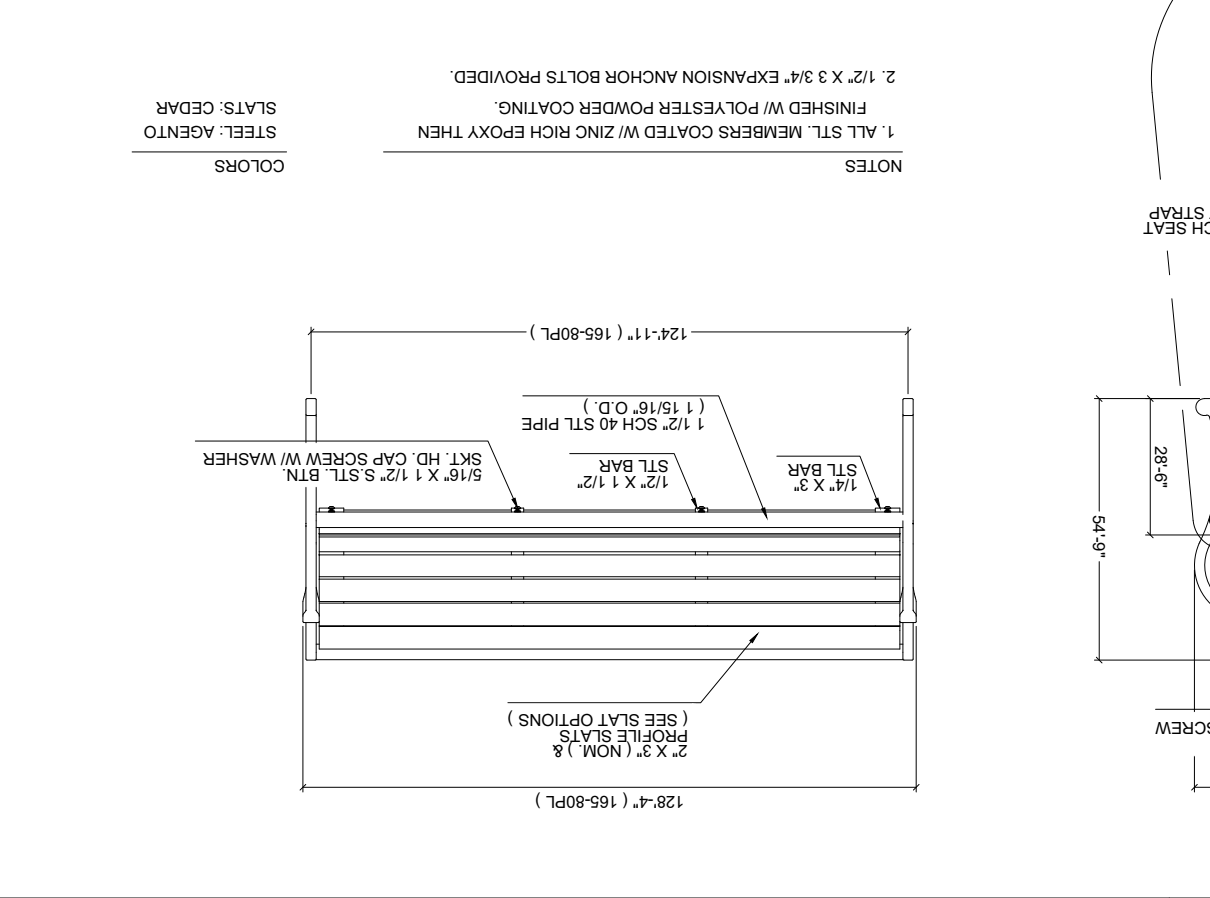
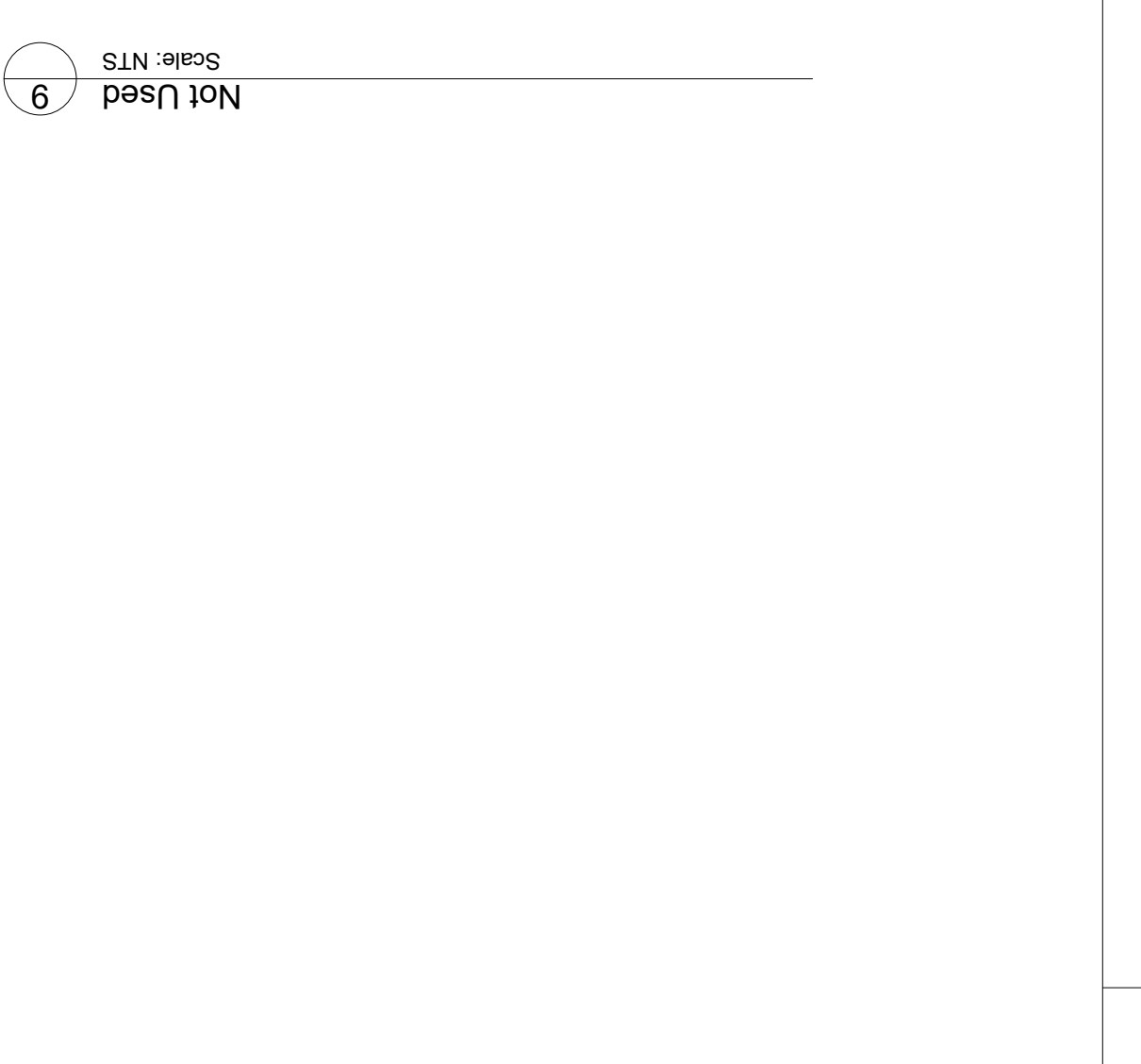
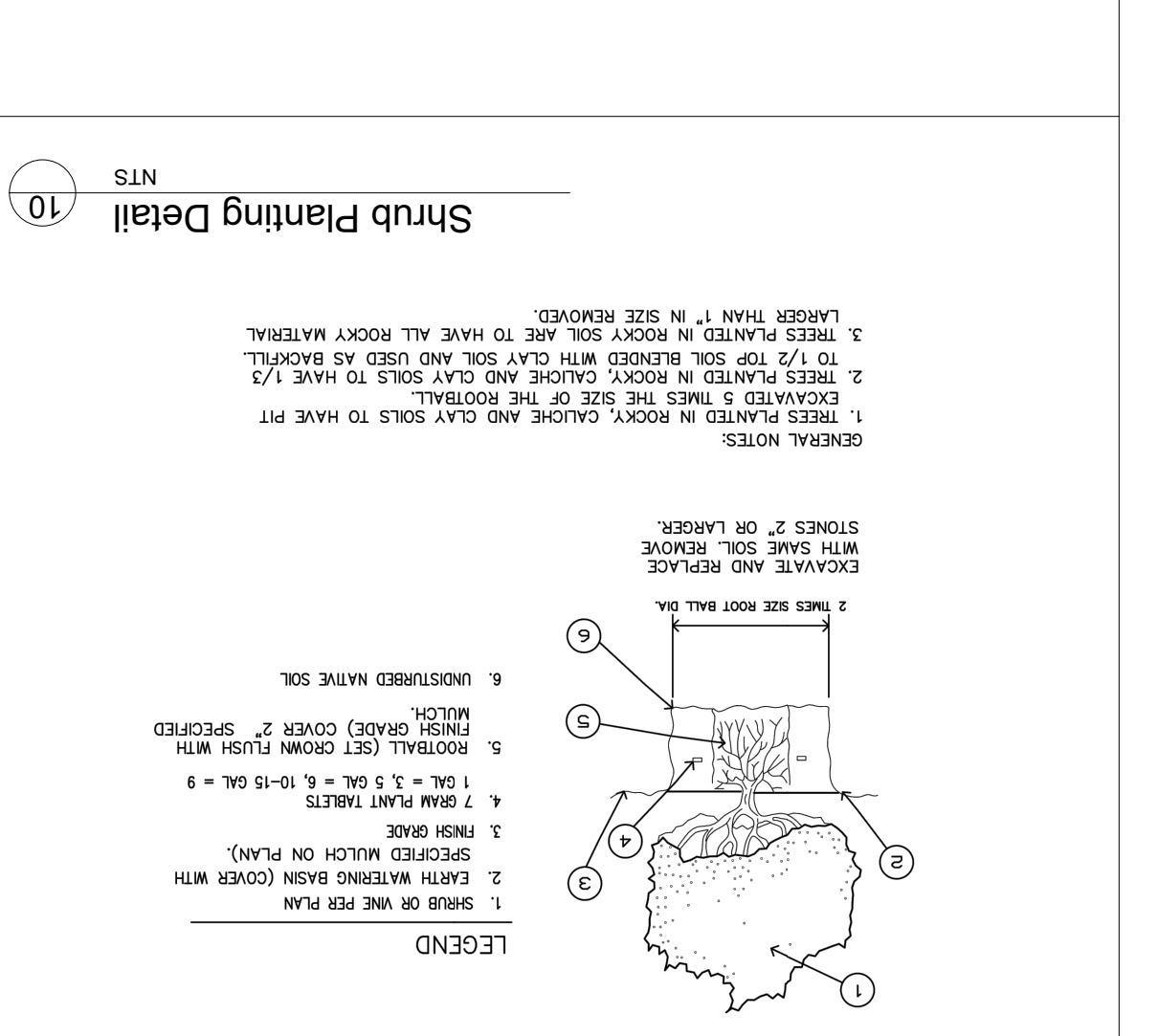
CONCRETE NOTES:

1. CONCRETE SHALL BE 3000 PSI ANNUAL.
2. CONTROL JOINT REQUIRED AT 15' O.C. FOR SIDEWALKS OR AS SHOWN ON THE PLAN.
3. CONTROL JOINTS SHALL BE 1/8" THICK AND 1" DEEP.
4. EXPANSION JOINT MATERIAL REQUIRED @ 20' O.C. FOR SIDEWALKS OR AS SHOWN ON PLANS.
5. PROVIDE EXPANSION JOINT MATERIAL WHERE SIDEWALKS MEET, EXISTING SIDEWALKS AND CURBS.
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20. PROVIDE EXPANSION JOINT MATERIAL WHERE SIDEWALKS MEET, EXISTING SIDEWALKS AND CURBS.



100% CONSTRUCTION DOCUMENTS
VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
 POLO NORTE PARK, 12101 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR.,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

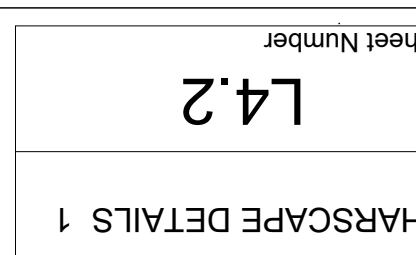
Southwest Land Development Services, Inc.
 6000 Stella Drive
 El Paso, Texas 79905
 915.832.0500

Quantum Engineering Consultants, Inc.
 720 Alamosa Ave.
 El Paso, Texas 79902
 915.832.0172

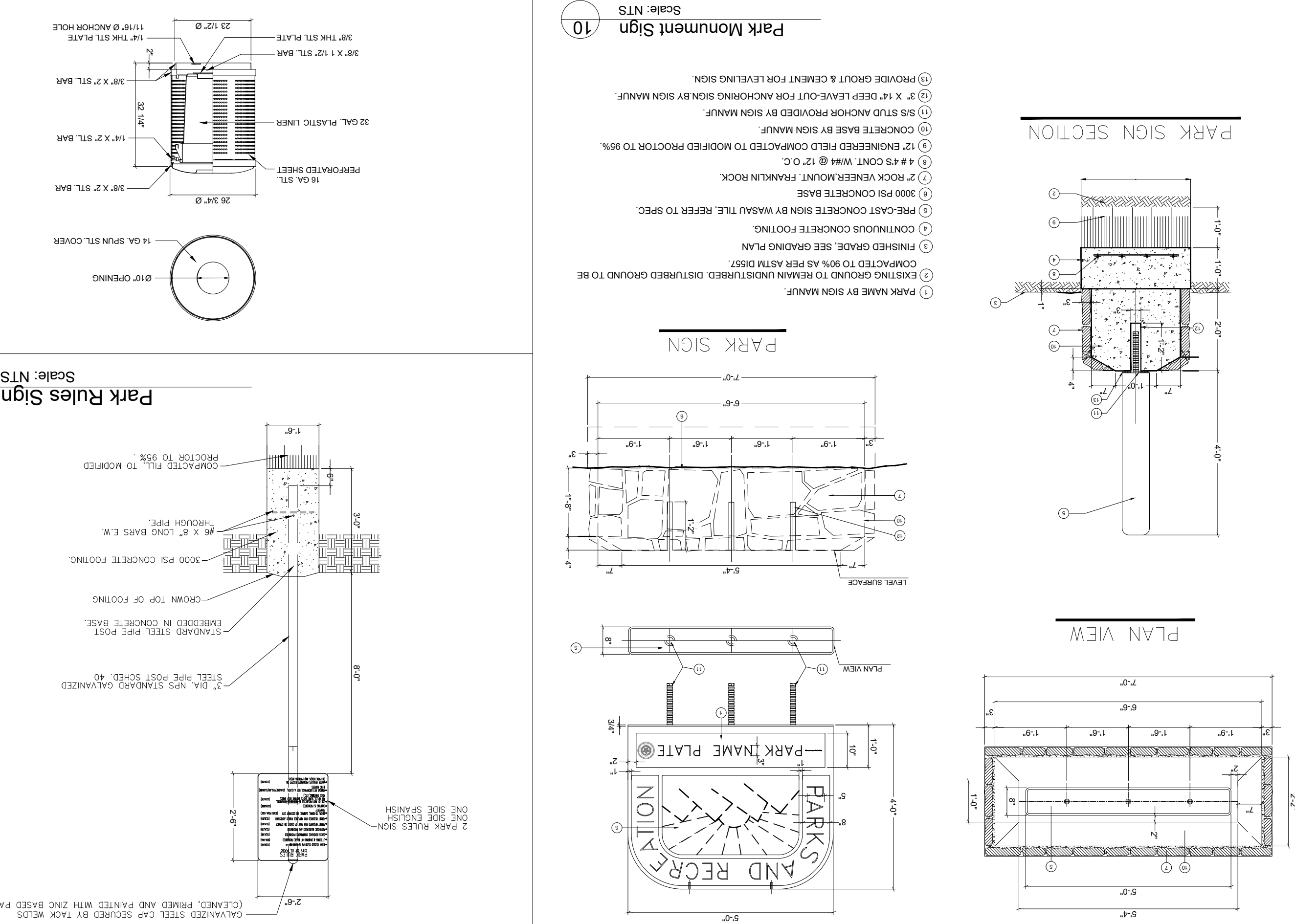
Vermosa, Inc.
 7400 Viscounct Blvd, Suite 207
 El Paso, Texas 79905
 915.832.0500

HARSCAPE DETAILS 1
 Sheet Title
 Scale: Per Plan
 Checked By: FL
 Drawn By: CLH
 Issued:
 Project No.:
 Sheet Number
L4.2

| Revision | No. | Date | Description |
|----------|-----------|-----------|---------------------------------|
| 1 | 4/9/2021 | 4/9/2021 | Plan revised per City comments. |
| 2 | 6/1/2021 | 6/1/2021 | Plan revised per City comments. |
| 3 | 10/1/2021 | 10/1/2021 | Plan revised per City comments. |
| 4 | 2/9/2022 | 2/9/2022 | Plan revised per City comments. |



APPROVED FOR CONSTRUCTION
Parks & Recreation Department
Planning and Development Section
Kerla Cherry - 02.28.2022
 Signature & Date



10 Park Monument Sign
Scale: NTS

9 Park Rules Sign
Scale: NTS

7 Pet Waste Dispenser Detail
Scale: NTS

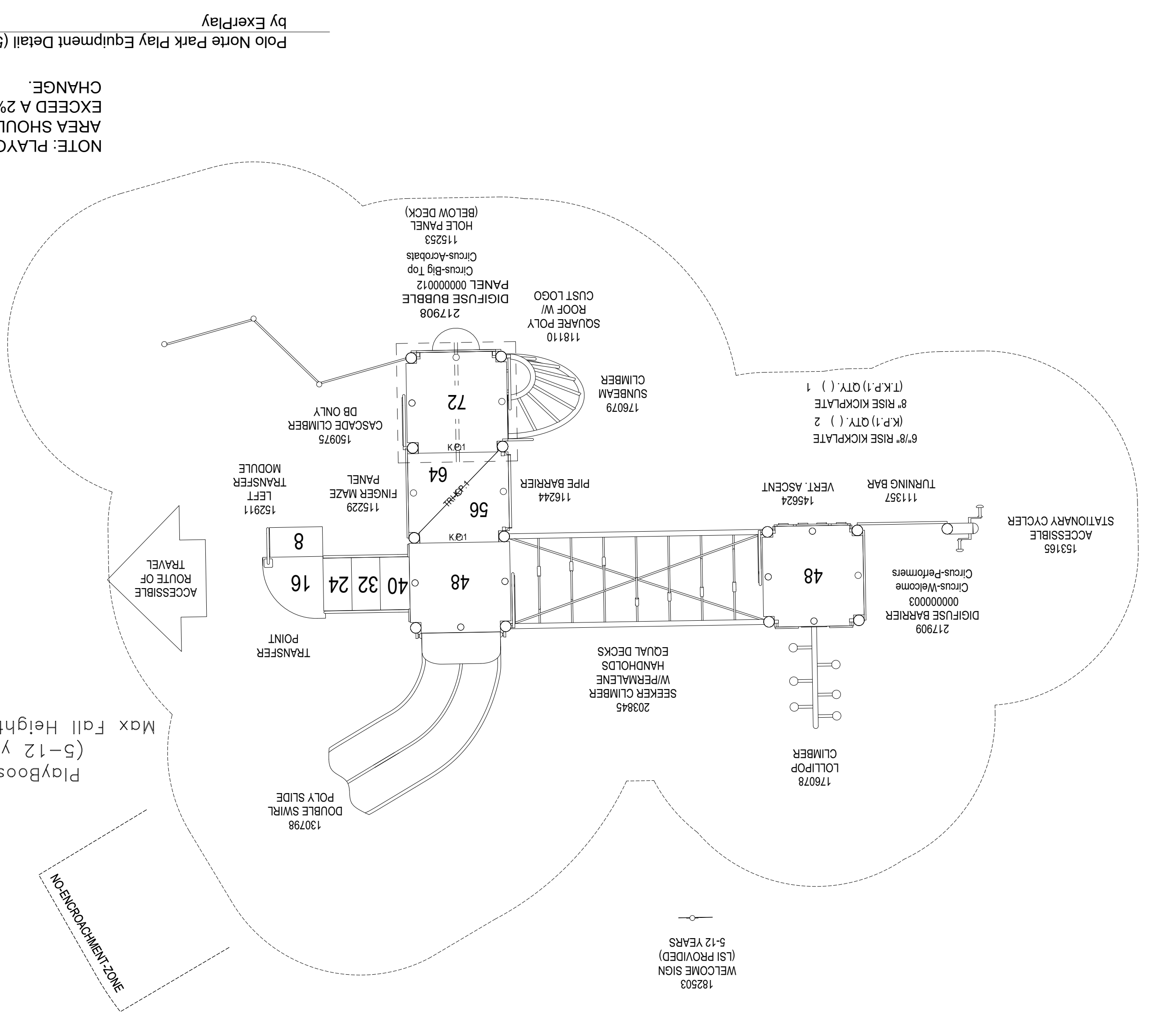
6 DUMOR Trash Receptacle 89
Scale: NTS

5 Typical Shelter Footing Detail
Scale: NTS

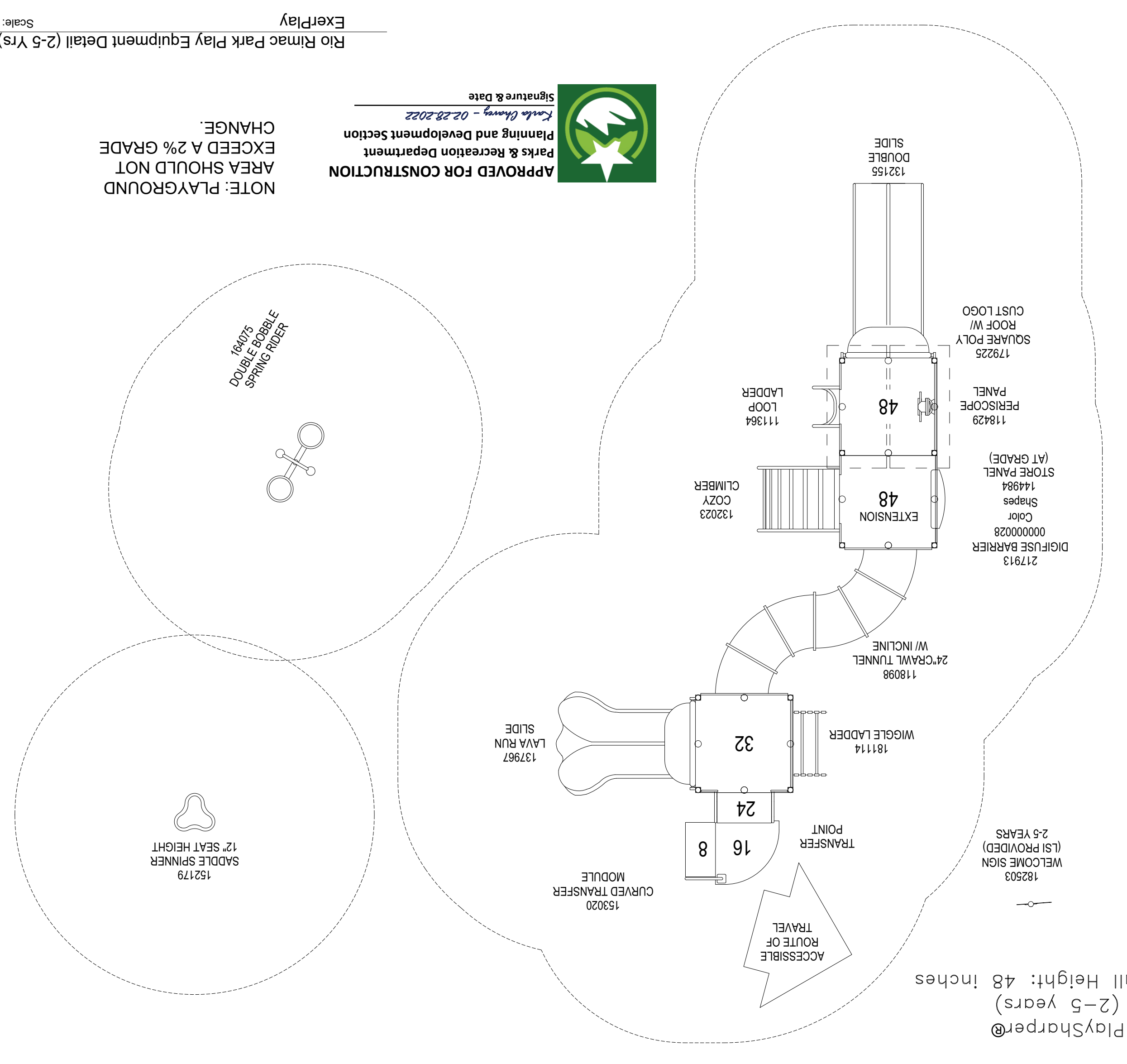
4 ADA Post-mounted Accessible Route Guide Sign
Scale: NTS

3 Skyway 30"x30" Hip Fabric Shade Structure
Scale: NTS

2 Not Used
Scale: NTS



8 Polo Norte Park Play Equipment Detail (5-12 Yrs)
Scale: NTS



1 Rio Rimac Park Play Equipment Detail (2-5 Yrs)
Scale: NTS

| Revision No. | Date | Description |
|--------------|-----------|---------------------------------|
| 1 | 4/9/2021 | Plan revised per City comments. |
| 2 | 6/1/2021 | Plan revised per City comments. |
| 3 | 10/1/2021 | Plan revised per City comments. |
| 4 | 2/3/2022 | Plan revised per City comments. |

Project No.:
Issues:
Drawn By: CLH
Checked By: FL
Scale: Per Plan
Sheet Title
HARSCAPE DETAILS 2
Sheet Number
L4.3

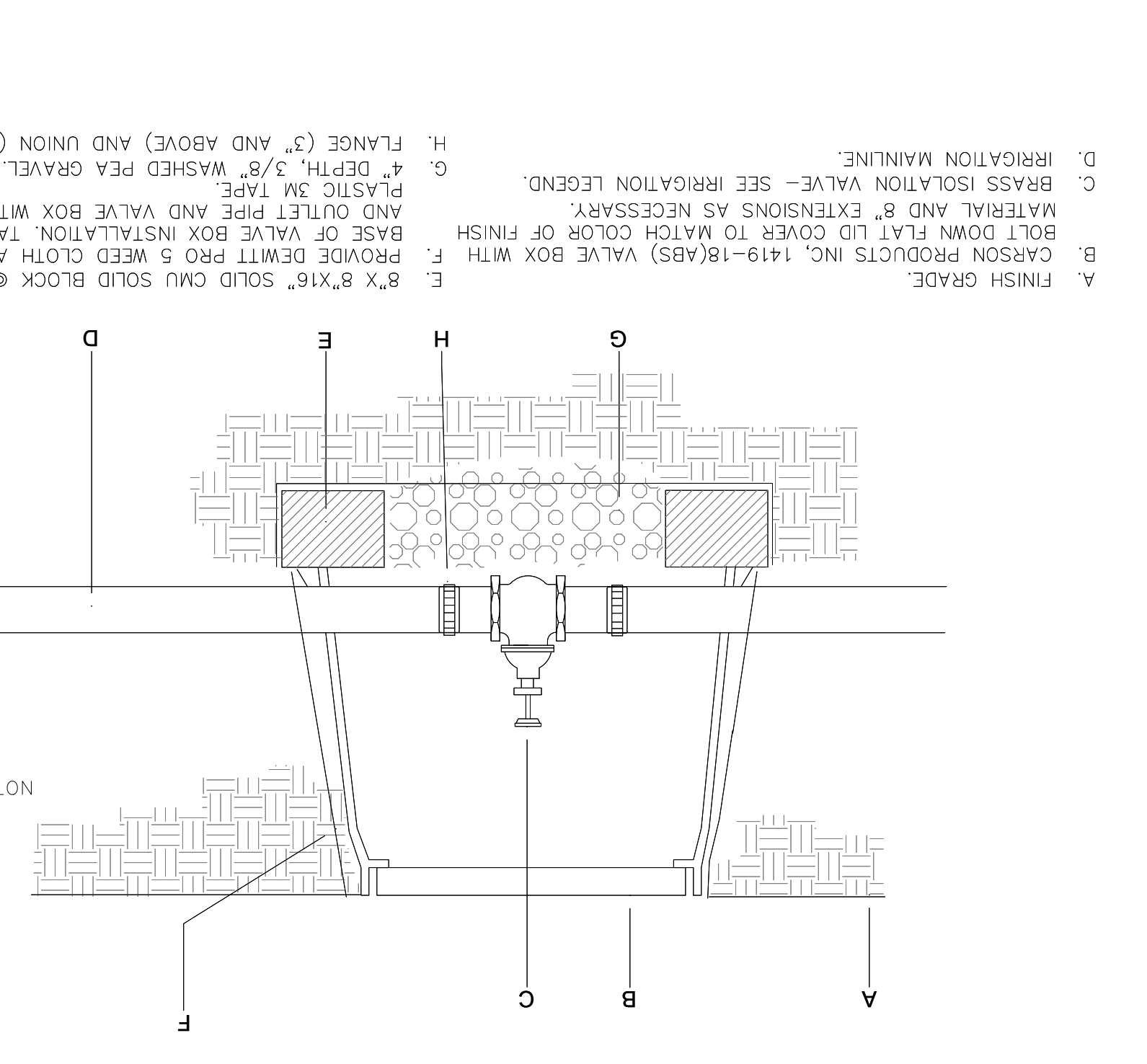
Vermosa, Inc.
7400 Vantage Blvd, Suite 207
El Paso, Texas 79925
915.832.1232

2.3.2022

Quantum Engineering Consultants, Inc.
770 Arroyo Ave
El Paso, Texas 79902
915.832.1232

Southwest Land Development Services, Inc.
6980 Santa Fe Blvd
El Paso, Texas 79905
915.832.1232

100% CONSTRUCTION DOCUMENTS
VISTA DEL NORTE ESTATES
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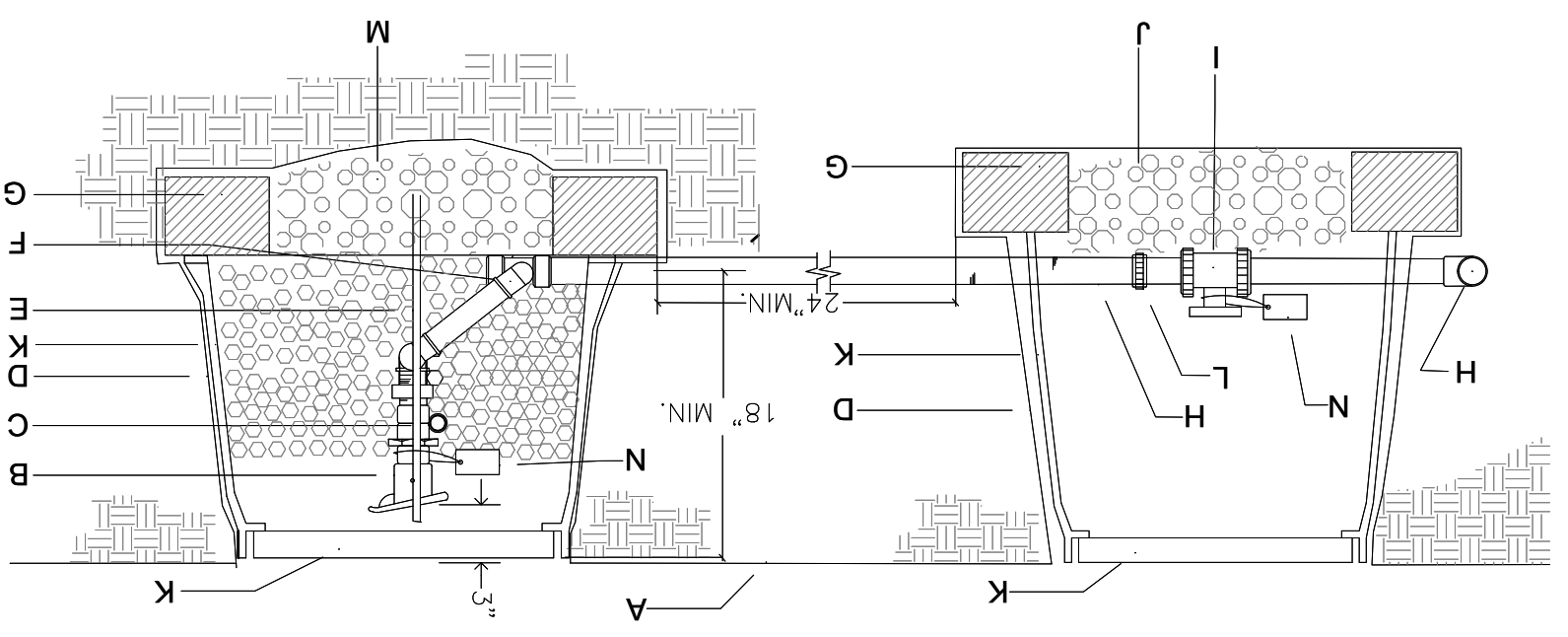
- A. FINISH GRADE.
- B. CARSON PRODUCTS INC. 1419-18(ABS) VALVE BOX WITH BOLT DOWN FLAT LID COVER TO MATCH COLOR OF FINISH MATERIAL AND 8" EXTENSIONS AS NECESSARY.
- C. BRASS ISOLATION VALVE - SEE IRRIGATION LEGEND.
- D. IRRIGATION MAINLINE.
- E. 8" X 8" X 16" SOLID CMU SOLID BLOCK @ EACH CORNER.
- F. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX INSTALLATION TAPE TO ALL INLET AND OUTLET PIPE AND VALVE BOX WITH HEAVY DUTY PLASTIC 3M TAPE.
- G. 4" DEPTH, 3/8" WASHED PEA GRAVEL.
- H. FLANGE (3" AND ABOVE) AND UNION (BELOW 3" PIPE SIZE)

NOTE: PVC PIPE TO BE CLEAR OF VALVE BOX AND SOLID CMU BLOCK.

Quick Coupler Valve

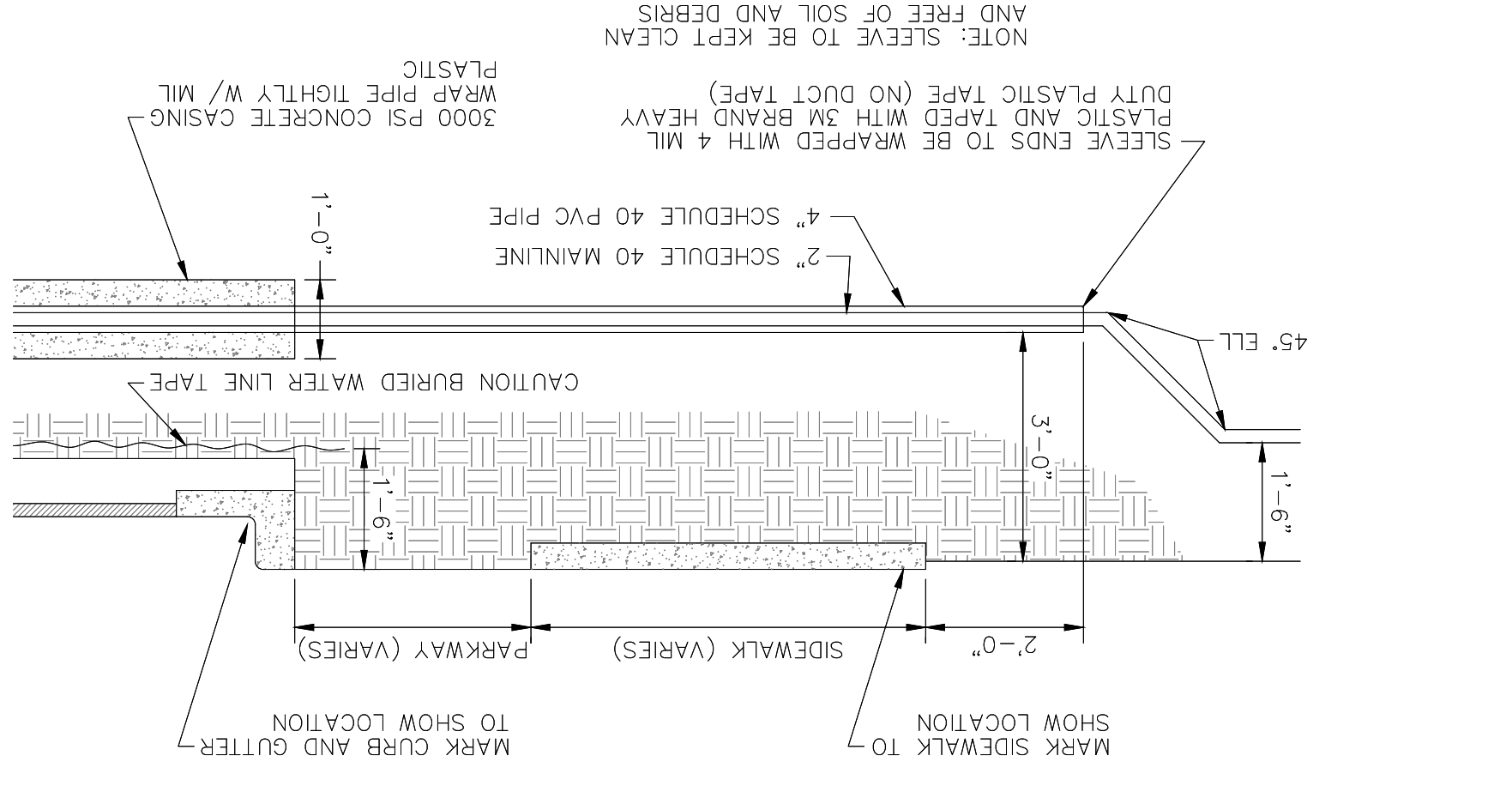
SCALE: NTS

- A. FINISH GRADE.
- B. 1" BUCKNER QUICK COUPLER VALVE, DOUBLE SLOT, PURPLE TOP-MODEL 085N10
- C. WITH LASCO SNA-P-LOCK W/MATE BRASS STABILIZER ELBOW EXTEND BEYOND BOTH REBAR
- D. SECTION STABILIZE IN GRAVEL.
- E. MIN. 12" SECTION 1" DIA. PVC. SECTION SHOULD EXTEND BEYOND BOTH REBAR
- F. CARSON PRODUCTS INC. 1419-18 BODY (ABS) VALVE BOX AND EXTENSION(S) W/BOLT DOWN COVER (COVER COLOR TO BE PURPLE).
- G. 6" DEPTH OF 3/8" WASHED PEA GRAVEL
- H. IRRIGATION MAINLINE
- I. ISOLATION BALL VALVE, SEE IRRIGATION LEGEND.
- J. LASCO SWING JOINT (PFE-ASSEMBLED).
- K. 8" X 8" X 16" SOLID CMU BLOCK
- L. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX, TAPE TO ALL INLET AND OUTLET PIPE AND VALVE BOX WITH HEAVY DUTY 3M PLASTIC TAPE FOR STABILITY.
- M. 3/8" WASHED PEA GRAVEL FILLED TO QUICK COUPLER FOR STABILITY.
- N. WEATHER PROOF TAG THAT READS, "NON-PORTABLE WATER, NOT SAFE FOR DRINKING."
- O. FLANGES FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.

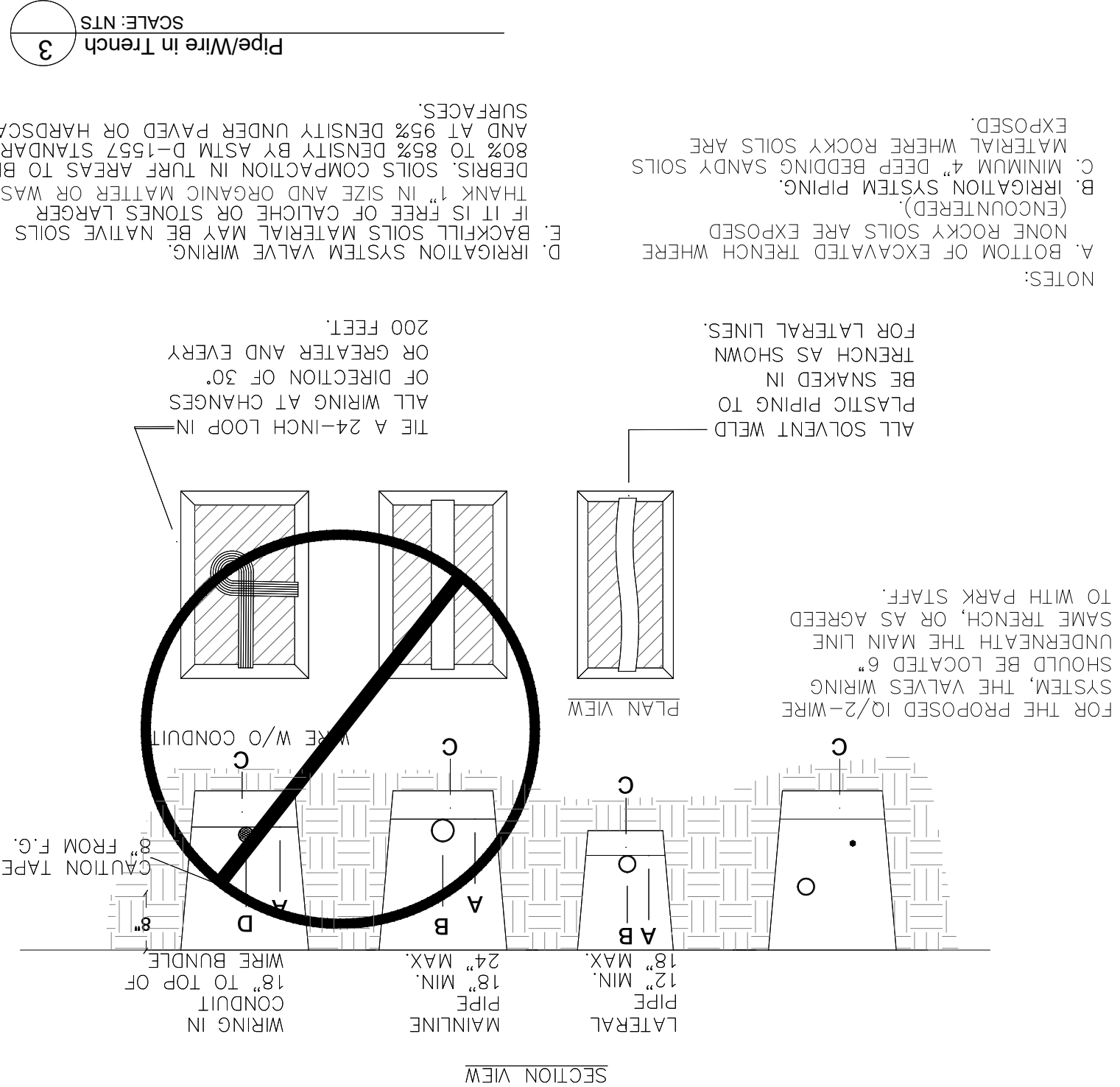


Sleeve Detail

SCALE: NTS



- NOTE: SLEEVE TO BE KEPT CLEAN AND FREE OF SOIL AND DEBRIS
- PLASTIC
- WRAP PIPE TIGHTLY W/ MIL 3000 PSI CONCRETE CASING
- SLEEVE ENDS TO BE WRAPPED WITH 4 MIL PLASTIC AND TAPED WITH 3M BRAND HEAVY DUTY PLASTIC TAPE (NO DUCT TAPE)
- MARK SIDEWALK TO SHOW LOCATION
- MARK CURB AND CUTTER TO SHOW LOCATION
- 2'-0" SIDEWALK (VARIES)
- 2'-0" PARKWAY (VARIES)
- CAUTION BURIED WATER LINE TAPE
- 4.5" ELL
- 1'-6" SIDEWALK (VARIES)
- 2" SCHEDULE 40 MAINLINE
- 4" SCHEDULE 40 PVC PIPE



- A. BOTTOM OF EXCAVATED TRENCH WHERE NONE ROCKY SOILS ARE EXPOSED
- B. IRRIGATION SYSTEM PIPING
- C. MATERIAL WHERE ROCKY SOILS ARE EXPOSED.
- D. DEBRIS, SOILS COMPACTION IN TURN AREAS TO BE AS TO 85% DENSITY BY ASTM D-1557 STANDARD AND AT 95% DENSITY UNDER PAVED OR HARDSCAPE SURFACES.
- E. BACKFILL SOILS MATERIAL MAY BE NATIVE SOILS IF IT IS FREE OF CALICHE OR STONES LARGER THAN 1" IN SIZE AND ORGANIC MATTER OR WASTE
- F. 4" DEPTH, 3/8" WASHED PEA GRAVEL
- G. 18" MIN. 18" TOP OF PIPE
- H. 24" MAX. WIRE BUNDLE

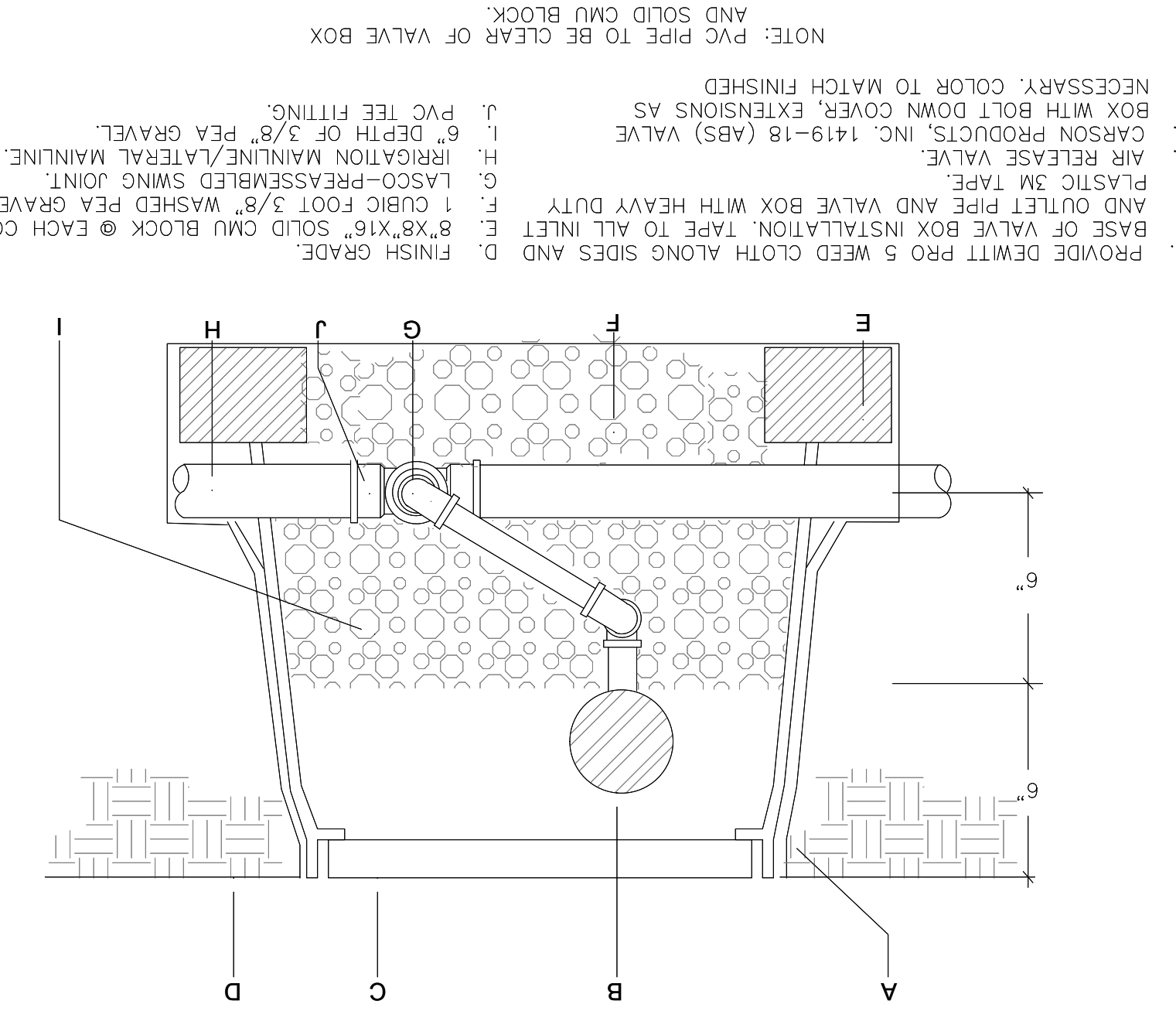
FOR THE PROPOSED 10/2-WIRE SYSTEM, THE VALVES WIRING SHOULD BE LOCATED 6" UNDERNEATH THE MAIN LINE SAME TRENCH, OR AS AGREED TO WITH PARK STAFF.

ALL SOLVENT WELD PLASTIC PIPING TO BE SNAKED IN TRENCH AS SHOWN FOR LATERAL LINES.

THE A 24-INCH LOOP IN ALL WIRING AT CHANGES OR GREATER AND EVERY 200 FEET.

Air Release Valve

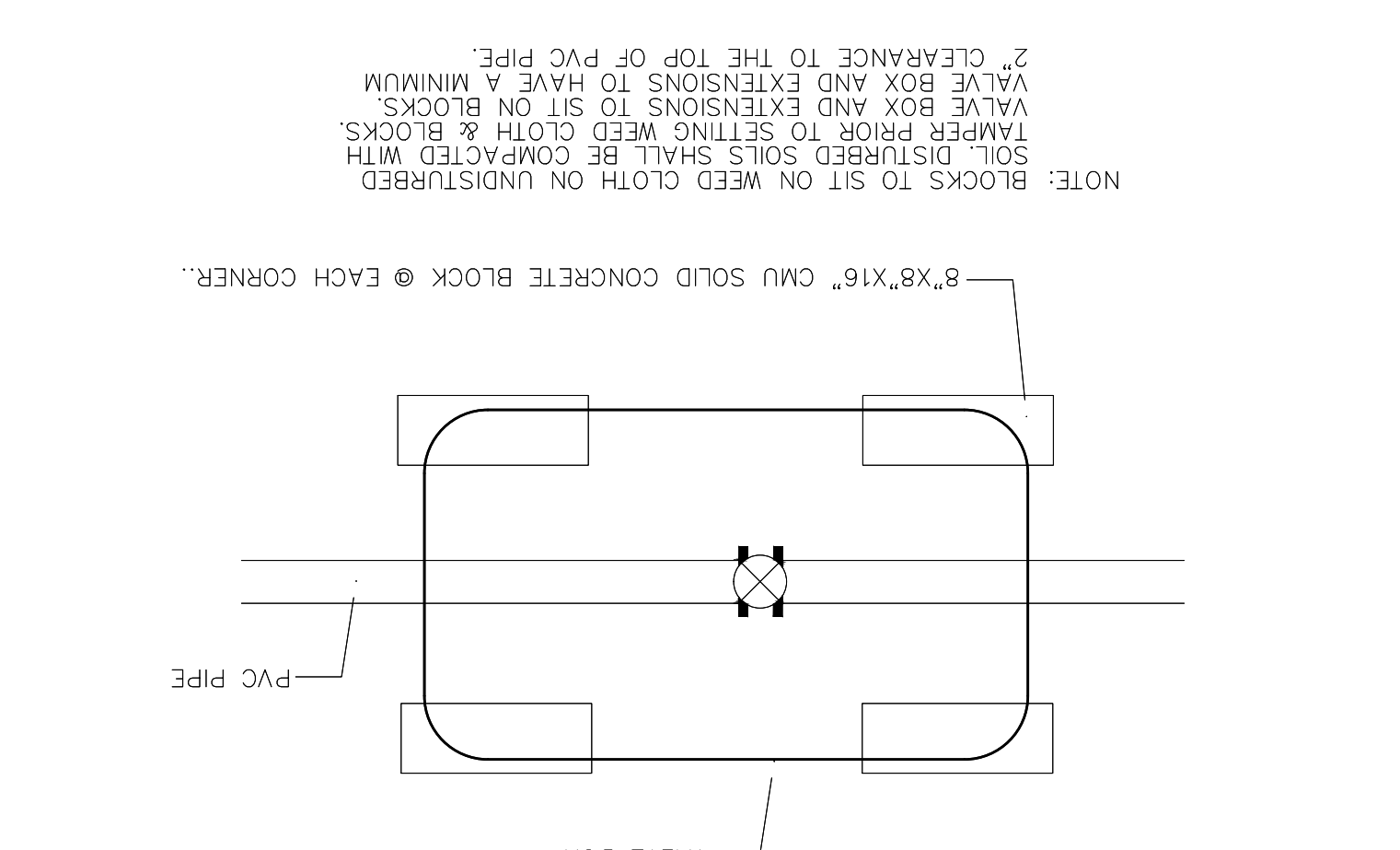
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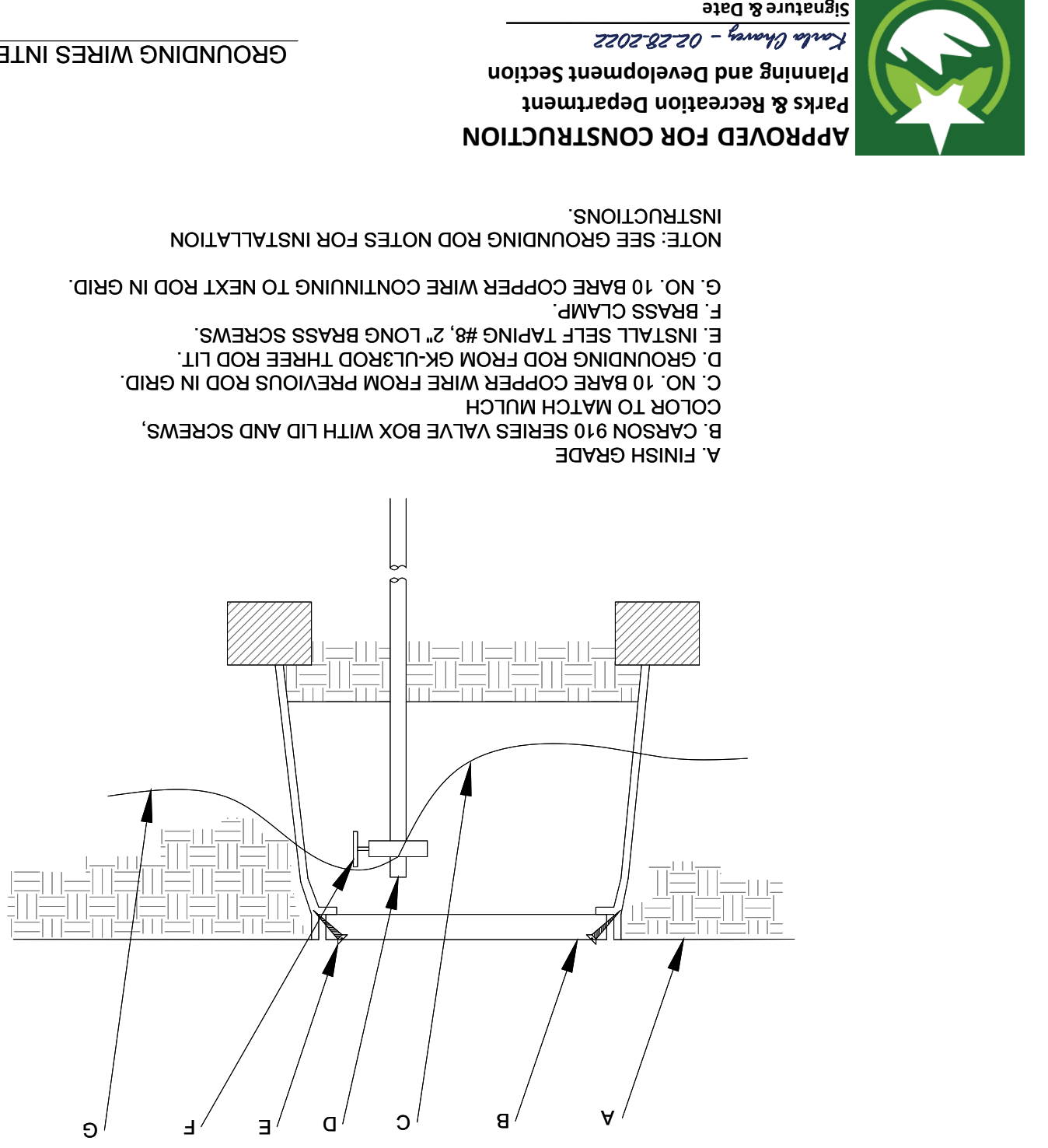
- A. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND FINISH GRADE.
- B. AIR RELEASE VALVE
- C. CARSON PRODUCTS, INC. 1419-18 (ABS) VALVE BOX WITH BOLT DOWN COVER, EXTENSIONS AS NECESSARY. COLOR TO MATCH FINISHED.
- D. FINISH GRADE.
- E. 8" X 8" X 16" SOLID CMU BLOCK @ EACH CORNER.
- F. 1 CUBIC FOOT 3/8" WASHED PEA GRAVEL.
- G. LASCO-PREASSEMBLED SWING JOINT.
- H. IRRIGATION MAINLINE/LATERAL MAINLINE.
- I. 6" DEPTH OF 3/8" PEA GRAVEL.
- J. PVC TEE FITTING.
- K. PVC PIPE SIZED PER PLAN WITH WELD ON THREADED FITTINGS ON EACH END.
- L. LATERAL LINE
- M. PROVIDE PVC UNION FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- N. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX, TAPE TO ALL INLET AND OUTLET PIPE AND VALVE BOX WITH HEAVY DUTY 3M PLASTIC TAPE TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY.
- O. GAUGES HORIZONTAL TO BEE READABLE.

Brick Placement at Valve Box

SCALE: NTS



- NOTE: BLOCKS TO SIT ON WEED CLOTH ON UNDISTURBED SOIL. DISTURBED SOILS SHALL BE COMPACTED TAMPER PRIOR TO SETTING WEED CLOTH & BLOCKS. VALVE BOX AND EXTENSIONS TO SIT ON BLOCKS.
- 2" CLEARANCE TO THE TOP OF PVC PIPE.
- VALVE BOX ACCESSOR MAINTENANCE AND REPLACEMENT, SEE IRRIGATION LEGEND.
- O. AUTOMATIC VALVE INCLUDED IN CONTROL ZONE KIT SHALL BE INSTALLED TO BASKET FILTER STRAINER INCLUDED IN CONTROL ZONE KIT SHALL BE INSTALLED TO LOCKING VALVE BOX COVER FLAT LID WITH BOLT.
- P. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- Q. 8" X 8" X 16" SOLID CONCRETE BLOCK @ EACH CORNER.
- R. 4" LAYER OF 3/8" WASHED PEA GRAVEL.
- S. PVC PIPE SIZED PER PLAN WITH WELD ON THREADED FITTINGS ON EACH END.
- T. LATERAL LINE
- U. PROVIDE PVC UNION FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- V. FLANGES FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- W. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- X. 8" X 8" X 16" SOLID CONCRETE BLOCK @ EACH CORNER.
- Y. 4" LAYER OF 3/8" WASHED PEA GRAVEL.
- Z. PVC PIPE SIZED PER PLAN WITH WELD ON THREADED FITTINGS ON EACH END.



- A. FINISH GRADE
- B. CARSON 910 SERIES VALVE BOX WITH LID AND SCREWS.
- C. NO. 10 BARE COPPER WIRE FROM PREVIOUS ROD IN GRID.
- D. GROUNDING ROD FROM PREVIOUS ROD IN GRID.
- E. INSTALL SELF TAPPING #8, 2" LONG BRASS SCREWS.
- F. BRASS CLAMP
- G. NO. 10 BARE COPPER WIRE CONTINUING TO NEXT ROD IN GRID.

INSTRUCTIONS.

NOTE: SEE GROUNDING ROD NOTES FOR INSTALLATION.

Dnp Valve/Basket Filter Kit

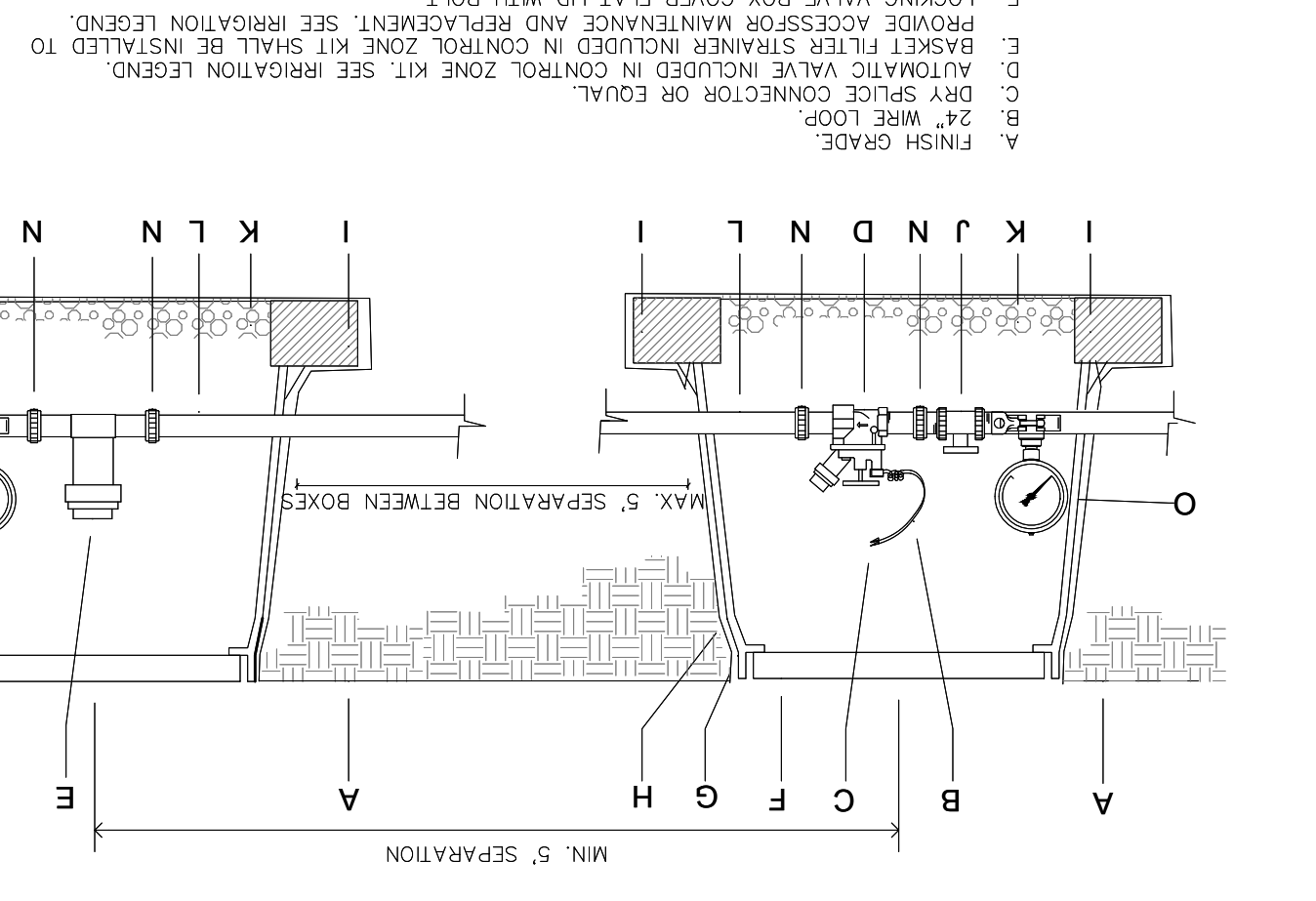
SCALE: NTS



- A. FINISH GRADE.
- B. 24" WIRE LOOP
- C. BRASS SLEEVE CONNECTOR OR EQUAL.
- D. AUTOMATIC VALVE INCLUDED IN CONTROL ZONE KIT, SEE IRRIGATION LEGEND.
- E. BASKET FILTER STRAINER INCLUDED IN CONTROL ZONE KIT SHALL BE INSTALLED TO PROVIDE ACCESSOR MAINTENANCE AND REPLACEMENT, SEE IRRIGATION LEGEND.
- F. LOCKING VALVE BOX COVER FLAT LID WITH BOLT.
- G. CARSON PRODUCTS INC. 1419-18 BODY (ABS) VALVE BOX W/BOLT DOWN COVER (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- H. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- I. 8" X 8" X 16" SOLID CONCRETE BLOCK @ EACH CORNER.
- J. TAPE TO ALL INLET & OUTLET PIPE WITH 3M HEAVY DUTY PLASTIC TAPE.
- K. 4" LAYER OF 3/8" WASHED PEA GRAVEL.
- L. LATERAL LINE
- M. PROVIDE PVC UNION FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- N. PROVIDE PVC UNION FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- O. FLANGES FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- P. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- Q. 8" X 8" X 16" SOLID CONCRETE BLOCK @ EACH CORNER.
- R. 4" LAYER OF 3/8" WASHED PEA GRAVEL.
- S. PVC PIPE SIZED PER PLAN WITH WELD ON THREADED FITTINGS ON EACH END.
- T. LATERAL LINE
- U. PROVIDE PVC UNION FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- V. FLANGES FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- W. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- X. 8" X 8" X 16" SOLID CONCRETE BLOCK @ EACH CORNER.
- Y. 4" LAYER OF 3/8" WASHED PEA GRAVEL.
- Z. PVC PIPE SIZED PER PLAN WITH WELD ON THREADED FITTINGS ON EACH END.

Brick Placement at Valve Box

SCALE: NTS



- NOTE: BLOCKS TO SIT ON WEED CLOTH ON UNDISTURBED SOIL. DISTURBED SOILS SHALL BE COMPACTED TAMPER PRIOR TO SETTING WEED CLOTH & BLOCKS. VALVE BOX AND EXTENSIONS TO SIT ON BLOCKS.
- 2" CLEARANCE TO THE TOP OF PVC PIPE.
- VALVE BOX ACCESSOR MAINTENANCE AND REPLACEMENT, SEE IRRIGATION LEGEND.
- O. AUTOMATIC VALVE INCLUDED IN CONTROL ZONE KIT, SEE IRRIGATION LEGEND.
- E. BASKET FILTER STRAINER INCLUDED IN CONTROL ZONE KIT SHALL BE INSTALLED TO PROVIDE ACCESSOR MAINTENANCE AND REPLACEMENT, SEE IRRIGATION LEGEND.
- F. LOCKING VALVE BOX COVER FLAT LID WITH BOLT.
- G. CARSON PRODUCTS INC. 1419-18 BODY (ABS) VALVE BOX W/BOLT DOWN COVER (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- H. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- I. 8" X 8" X 16" SOLID CONCRETE BLOCK @ EACH CORNER.
- J. TAPE TO ALL INLET & OUTLET PIPE WITH 3M HEAVY DUTY PLASTIC TAPE.
- K. 4" LAYER OF 3/8" WASHED PEA GRAVEL.
- L. LATERAL LINE
- M. PROVIDE PVC UNION FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- N. PROVIDE PVC UNION FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- O. FLANGES FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- P. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- Q. 8" X 8" X 16" SOLID CONCRETE BLOCK @ EACH CORNER.
- R. 4" LAYER OF 3/8" WASHED PEA GRAVEL.
- S. PVC PIPE SIZED PER PLAN WITH WELD ON THREADED FITTINGS ON EACH END.
- T. LATERAL LINE
- U. PROVIDE PVC UNION FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- V. FLANGES FOR PIPE SIZES THREE INCHES IN DIAMETER OR LARGER.
- W. PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX AND BLOCKS (COVER COLOR TO MATCH FINISH MATERIAL AND EXTENSIONS AS NECESSARY).
- X. 8" X 8" X 16" SOLID CONCRETE BLOCK @ EACH CORNER.
- Y. 4" LAYER OF 3/8" WASHED PEA GRAVEL.
- Z. PVC PIPE SIZED PER PLAN WITH WELD ON THREADED FITTINGS ON EACH END.

| No. | Date | Description |
|-----|-----------|---------------------------------|
| 1 | 4/8/2021 | Plan revised per City comments. |
| 2 | 6/7/2021 | Plan revised per City comments. |
| 3 | 10/1/2021 | Plan revised per City comments. |
| 4 | 2/9/2022 | Plan revised per City comments. |

| No. | Date | Description |
|-----|-----------|---------------------------------|
| 1 | 4/8/2021 | Plan revised per City comments. |
| 2 | 6/7/2021 | Plan revised per City comments. |
| 3 | 10/1/2021 | Plan revised per City comments. |
| 4 | 2/9/2022 | Plan revised per City comments. |

Vermosa, Inc.
770 Alameda Ave
El Paso, Texas 79902
915.549.2871

2.3.2022

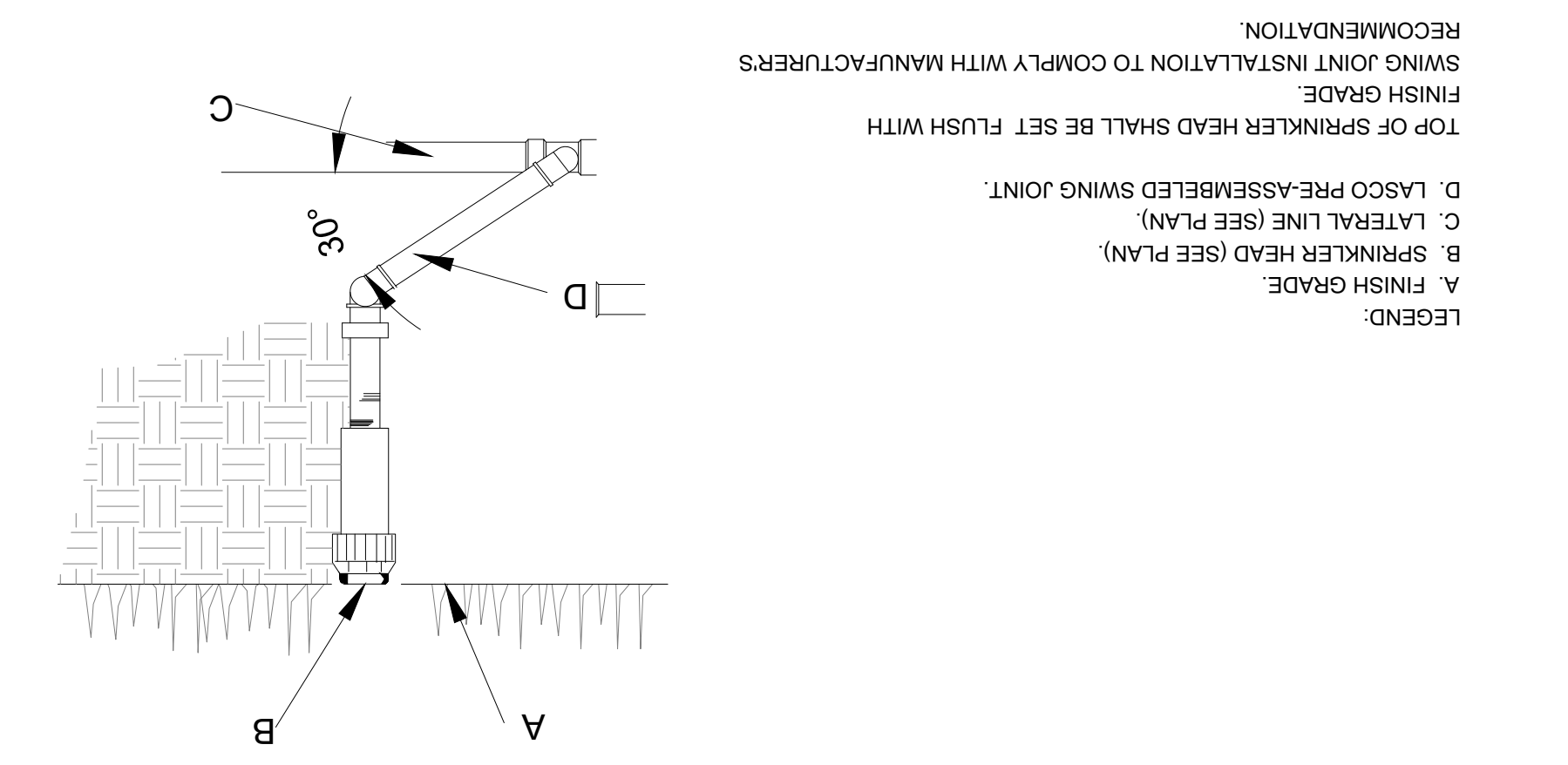
Quantum Engineering Consultants, Inc.
770 Alameda Ave
El Paso, Texas 79902
915.532.2727

Southwest Land Development Services, Inc.
6000 Southway Dr
El Paso, Texas 79905
915.922.0200

100% CONSTRUCTION DOCUMENTS

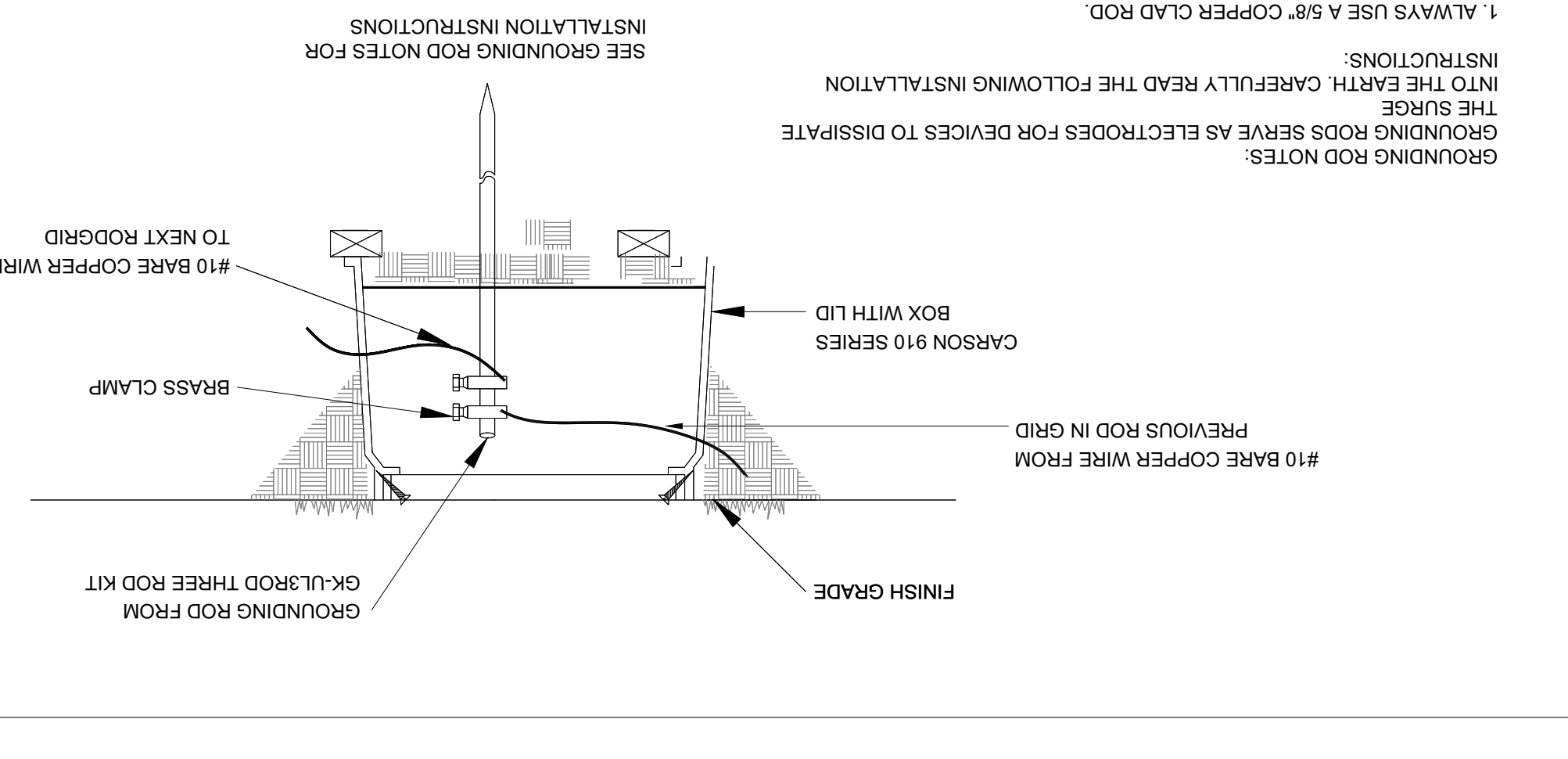
**VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK**

POLO NORTE PARK, 12701 POLO NORTE DRIVE
RIO RIMAC PARK, 7471 RIO RIMAC DR.
CITY OF EL PASO, EL PASO COUNTY, TEXAS.



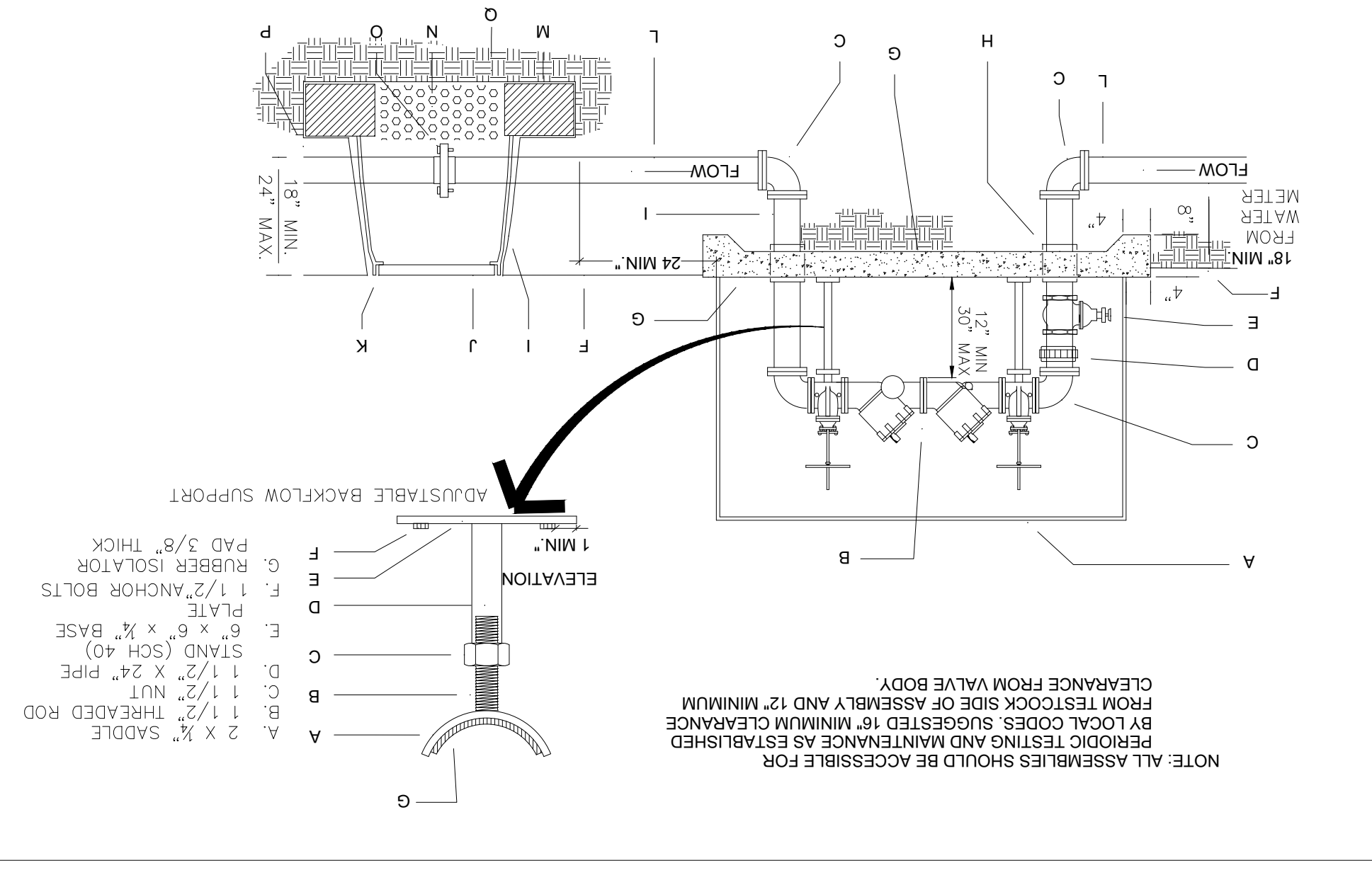
LEGEND:
 A. FINISH GRADE.
 B. SPRINKLER HEAD (SEE PLAN).
 C. LATERAL LINE (SEE PLAN).
 D. LASCQ PRE-ASSEMBLED SWING JOINT.
 TOP OF SPRINKLER HEAD SHALL BE SET FLUSH WITH FINISH GRADE.
 SWING JOINT INSTALLATION TO COMPLY WITH MANUFACTURERS RECOMMENDATION.

9 IRRIGATION SPRINKLER HEAD
 SCALE NTS



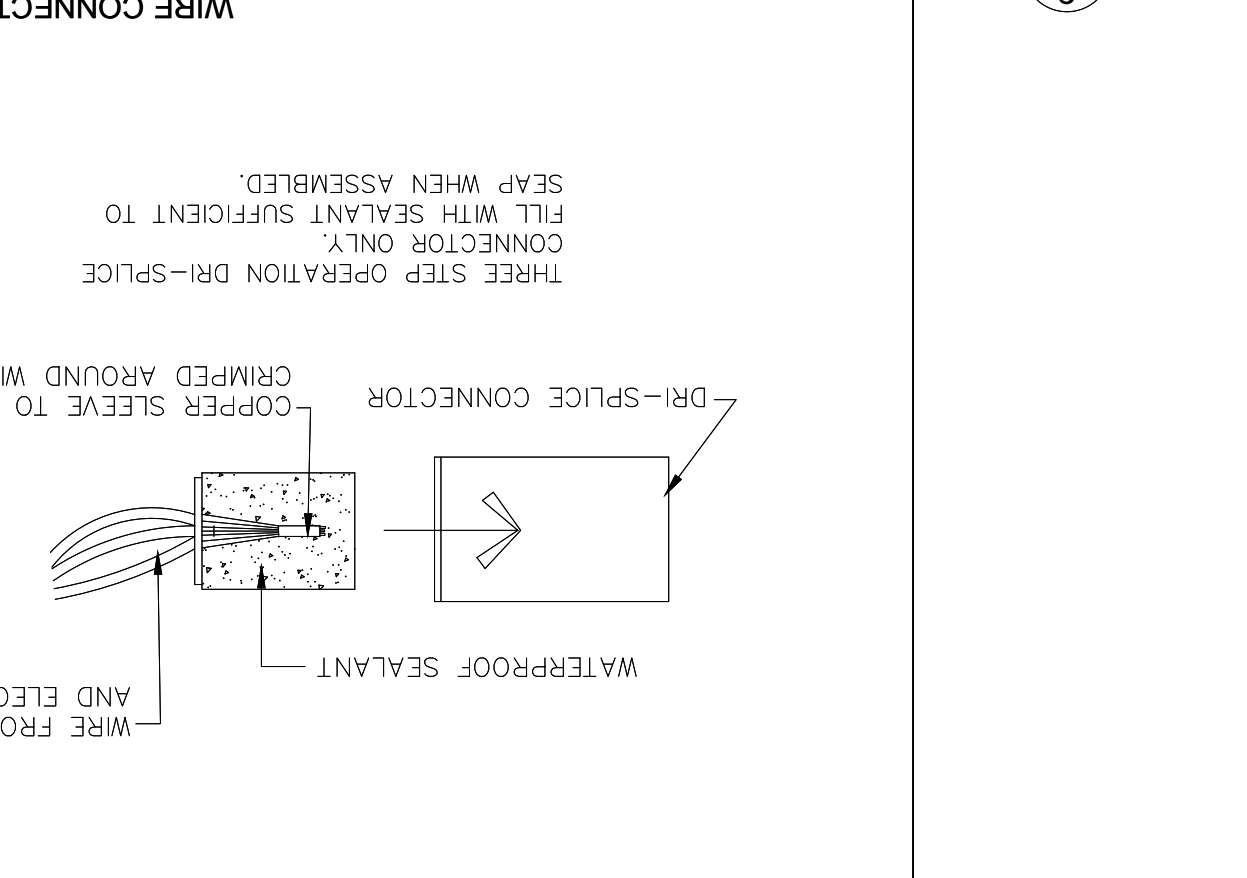
GROUNDING ROD NOTES:
 THE SURGE CURRENTS FROM THE FOLLOWING INSTALLATION INTO THE EARTH. CAREFULLY READ THE FOLLOWING INSTALLATION INSTRUCTIONS:
 1. ALWAYS USE A #10 OF LARGER BARE COPPER WIRE FROM THE DEVICE TO THE ROD.
 2. RUN A #10 OF LARGER BARE COPPER WIRE FROM THE DEVICE TO THE ROD.
 3. KEEP THE GROUND WIRES AS SHORT AND STRAIGHT AS POSSIBLE FROM THE DEVICE TO THE FIRST ROD.
 4. CLAMP ALL WIRES TO THE GROUNDING ROD. DO NOT SOLDER OR TAP THE ROD TO THE ROD.
 5. SPACE THREE RODS IN A GRID. CONNECT ALL THREE RODS WITH A SOLID #10 COPPER WIRE.
 6. WHEN TESTED WITH THE PROPER EQUIPMENT, GRIDS SHOULD HAVE AN EARTH RESISTANCE NO GREATER THAN 10 OHMS.
 7. WHENEVER MORE THAN ONE WIRE IS ATTACHED TO A GROUNDING ROD ALWAYS USE A SEPARATE CLAMP FOR EACH WIRE.

8 GROUNDING WIRE IN GRID INITIAL TERMINAL
 SCALE NTS

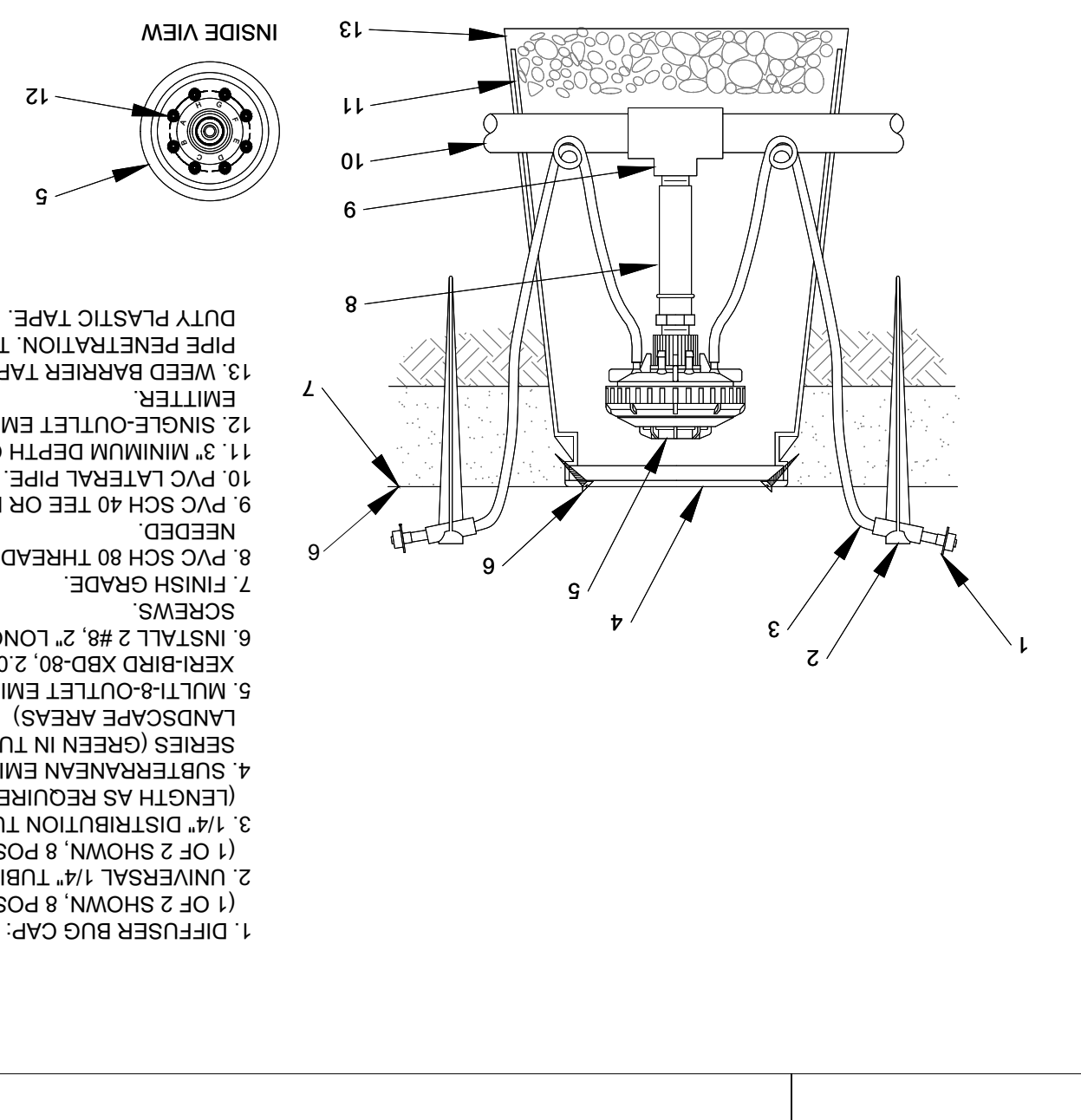


NOTE: ALL ASSEMBLIES SHOULD BE ACCESSIBLE FOR PERIODIC TESTING AND MAINTENANCE AS ESTABLISHED FROM TESTOCK SIDE OF ASSEMBLY AND 12" MINIMUM CLEARANCE FROM VALVE BODY.
 ELEVATION
 1 MIN.
 ADJUSTABLE BACKFLOW SUPPORT
 PAD 3/8" THICK
 A. 2 X 1/2" SADDLE
 B. 1 1/2" NUT
 C. 1 1/2" X 24" PIPE
 D. 1 1/2" X 24" STAND (SCH 40)
 E. 6" X 6" X 1/2" BASE PLATE
 F. 1 1/2" ANCHOR BOLTS
 G. RUBBER ISOLATOR
 H. 1 1/2" X 24" PIPE
 I. 1 1/2" X 24" STAND (SCH 40)
 J. 1 1/2" NUT
 K. 1 1/2" X 24" PIPE
 L. 6" X 6" X 1/2" BASE PLATE
 M. 1 1/2" ANCHOR BOLTS
 N. 3/8" WASHED PEA GRAVEL, 4" DEPTH.
 O. UNDISTURBED OR COMPACTED SOIL.
 P. PVC MAN LINE.
 Q. ENCLOSED IN THE BACKFLOW PREVENTER ASSEMBLY.
 R. 25" (SEE IRRIGATION LEGEND)
 S. 100-COMPOUND ASSE.
 T. 100-COMPOUND ASSE.
 U. 100-COMPOUND ASSE.
 V. 100-COMPOUND ASSE.
 W. 100-COMPOUND ASSE.
 X. 100-COMPOUND ASSE.
 Y. 100-COMPOUND ASSE.
 Z. 100-COMPOUND ASSE.

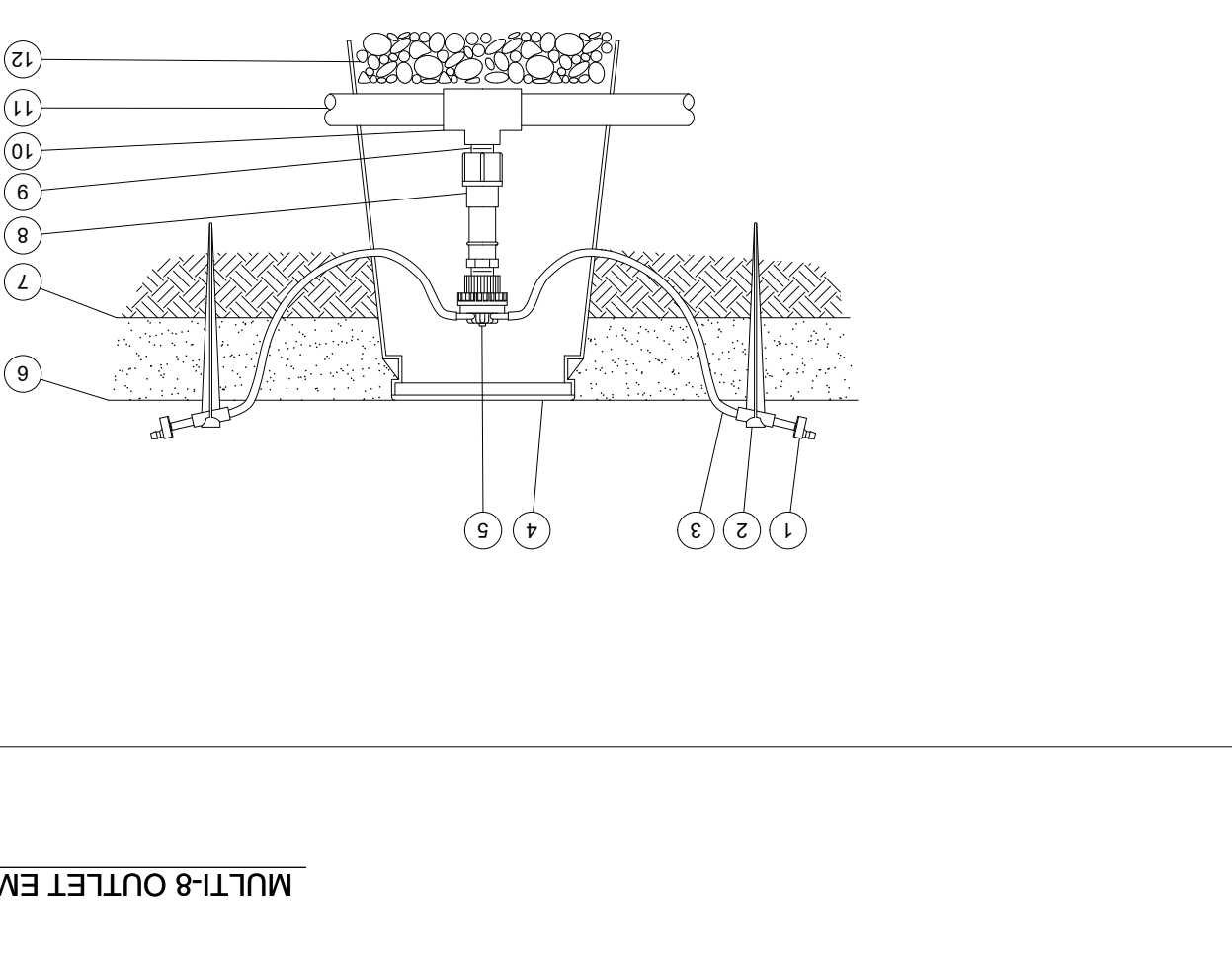
7 REDUCED PRESSURE BACKFLOW PREVENTER
 SCALE NTS



6 WIRE CONNECTORS
 SCALE NTS



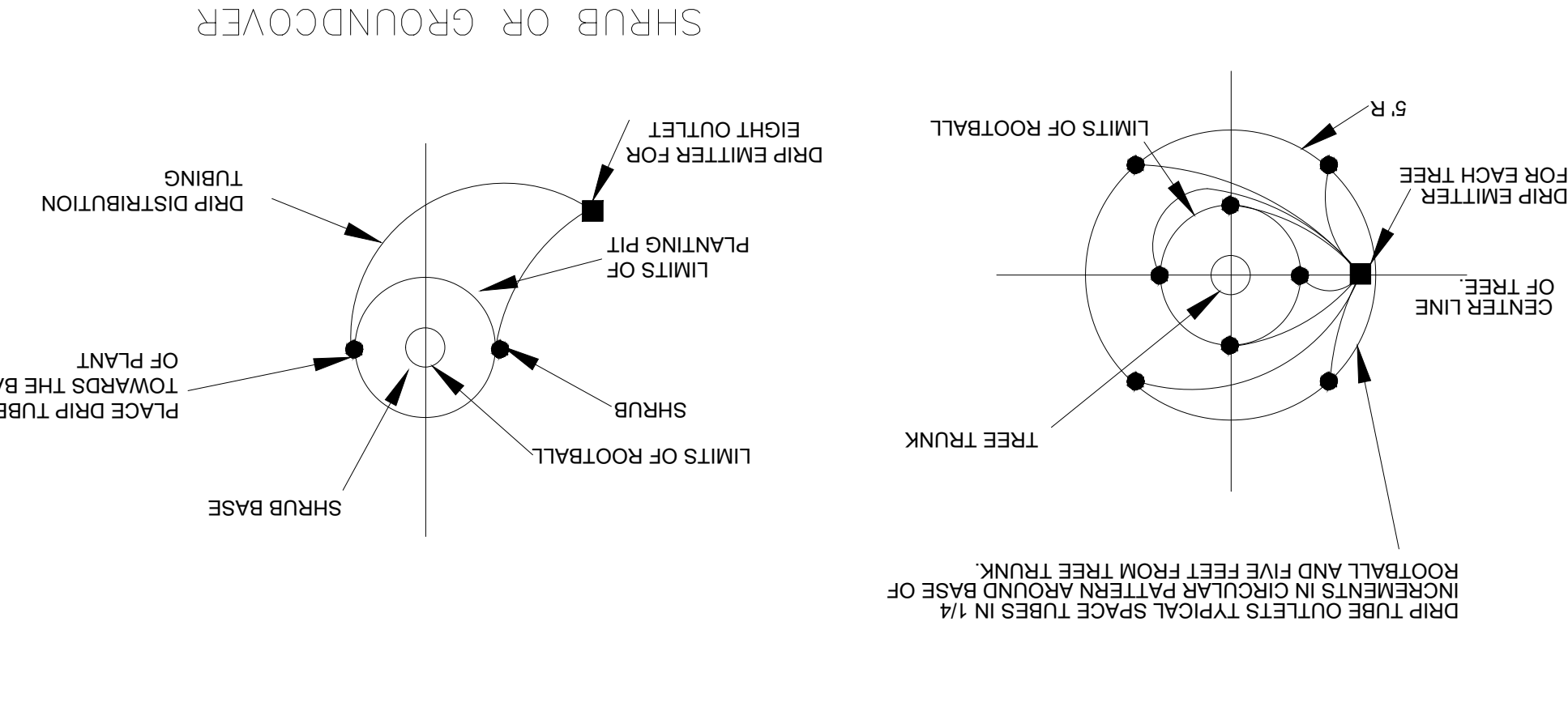
5 MULTI-8-OUTLET EMITTER
 SCALE NTS



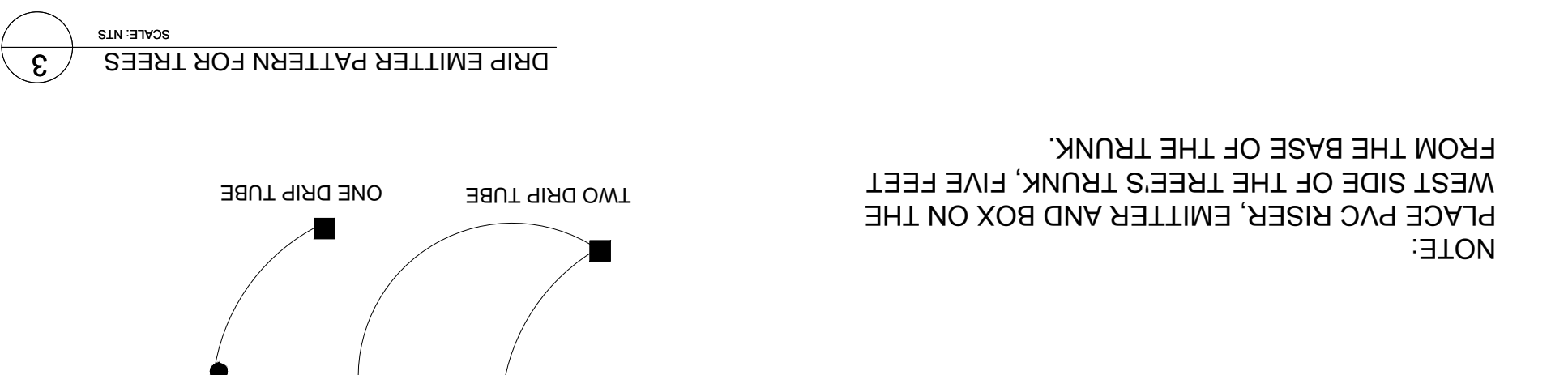
1. SINGLE-OUTLET BARB INLET X BARB OUTLET EMITTER: (1 OF 2 SHOWN, 6 POSSIBLE)
 2. UNIVERSAL 1/4" TUBING STAKE: (1 OF 2 SHOWN, 6 POSSIBLE)
 3. 1/4" DISTRIBUTION TUBING: (1 OF 2 SHOWN, 6 POSSIBLE)
 4. SUBTERRANEAN EMITTER BOX:
 5. SIX OUTLET MANIFOLD
 6. TOP OF MULCH
 7. FINISH GRADE
 8. PRESSURE REGULATOR
 9. PVC SCH 80 CLOSE NIPPLE
 10. PVC SCH 40 TEE OR ELL
 11. PVC LATERAL PIPE
 12. 3/8" WASHED GRAVEL

4
 SCALE NTS

6 OUTLET MANIFOLD EMISSION DEVICE ON PRESSURE REGULATOR W/ 1/4" TUBING AND NIPPLES
 SCALE NTS



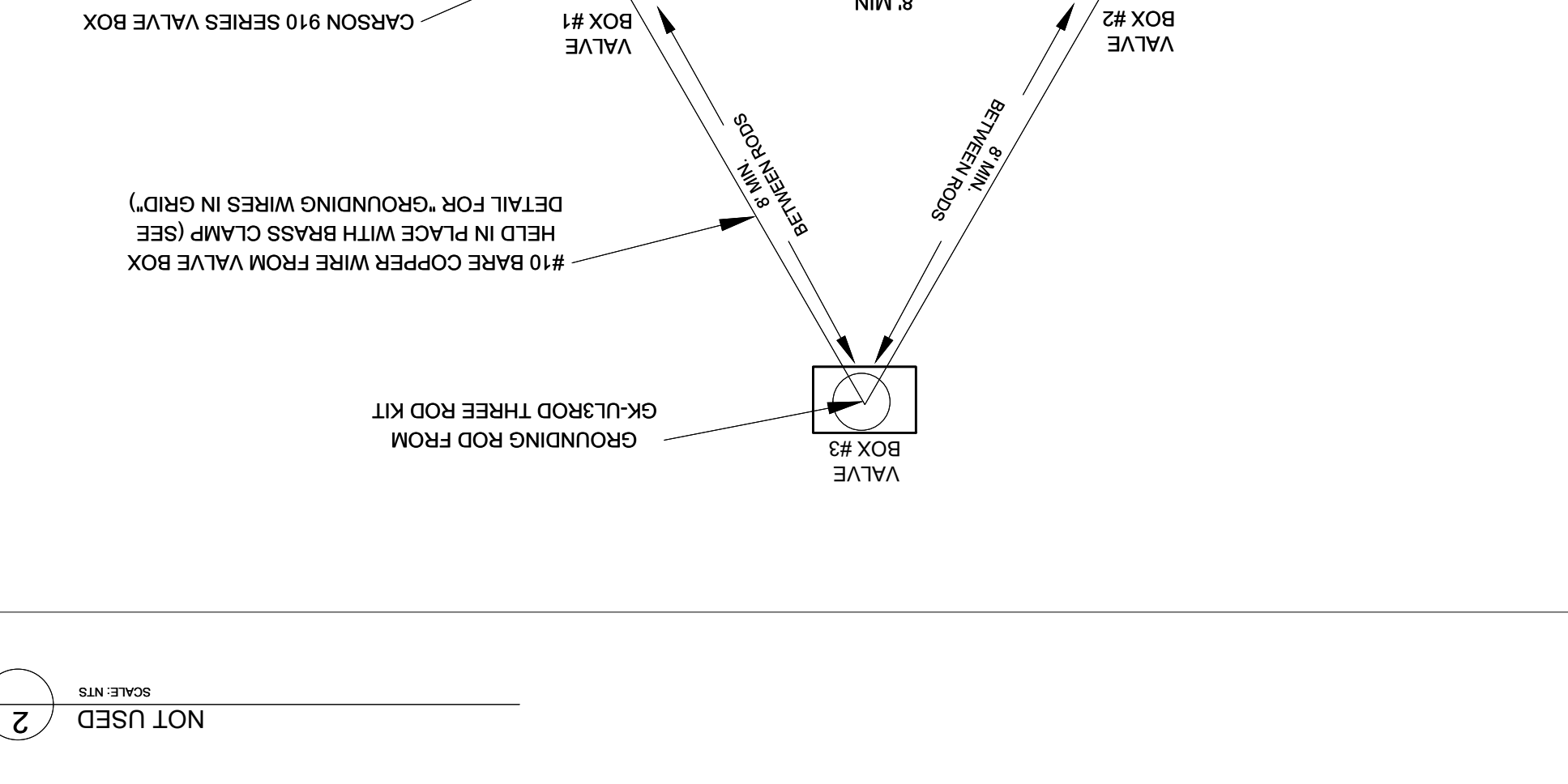
3 TREE 8 EMITTER PATTERN
 SCALE NTS



3 DRIP EMITTER PATTERN FOR TREES
 SCALE NTS

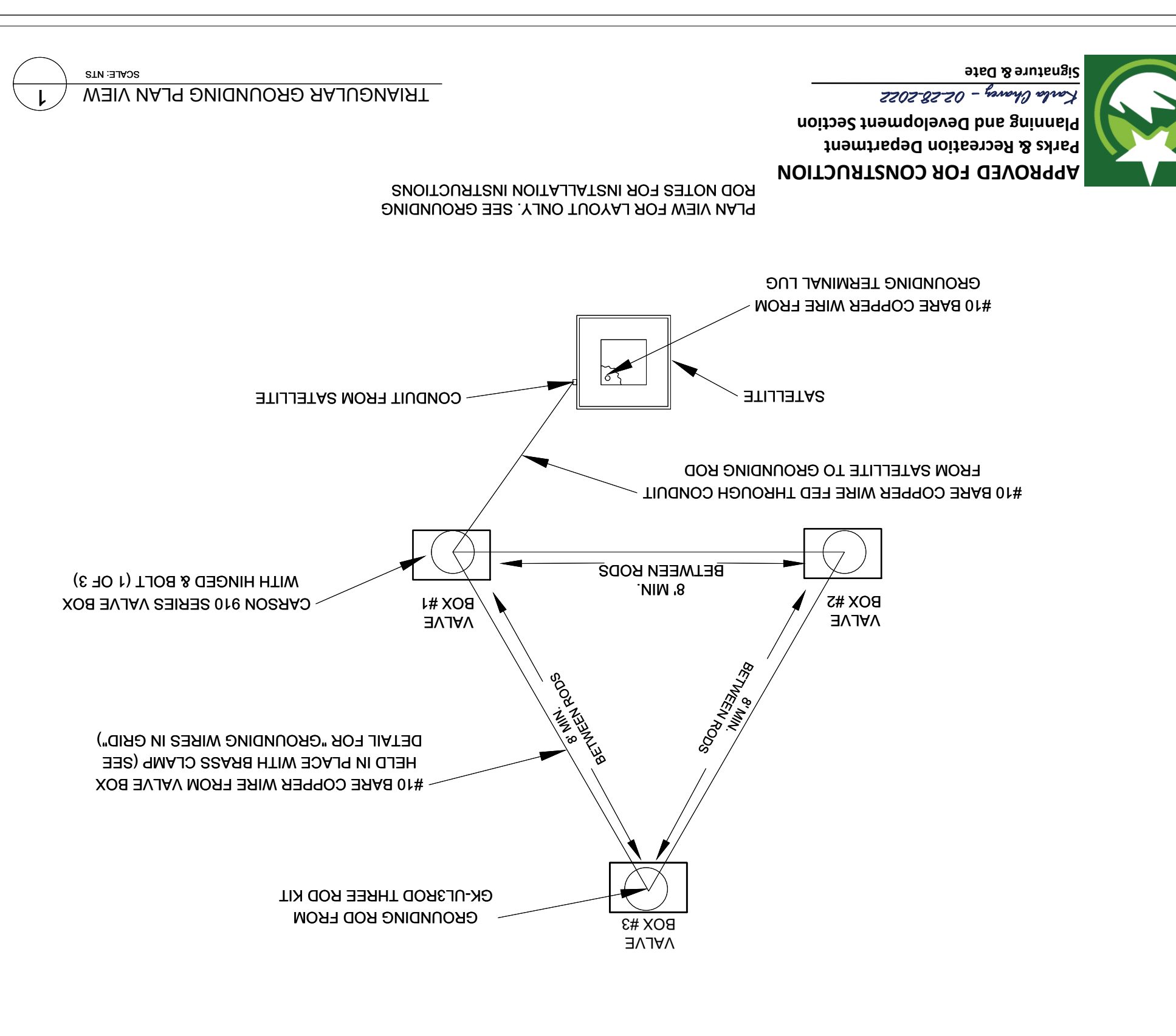


5 MULTI-8-OUTLET EMITTER
 SCALE NTS



1. DIFUSER BUG CAP- RAIN BIRD DBC-025 (1 OF 2 SHOWN, 8 POSSIBLE)
 2. UNIVERSAL 1/4" TUBING STAKE: RAIN BIRD TS-025 (1 OF 2 SHOWN, 8 POSSIBLE)
 3. 1/4" DISTRIBUTION TUBING: RAIN BIRD XQ TUBING (LENGTH AS REQUIRED) (1 OF 2 SHOWN, 8 POSSIBLE)
 4. SUBTERRANEAN EMITTER BOX: CARSON 910 SERIES (GREEN IN TURF AREAS AND TAN IN ROCK LANDSCAPE AREAS)
 5. MULTI-8-OUTLET EMISSION DEVICE: RAIN BIRD XERIBIRD XBD-80, 2.0 GPH PER PORT.
 6. INSTALL 2 #8, 2" LONG SELF TAPING BRASS SCREWS
 7. FINISH GRADE
 8. PVC SCH 80 THREADED NIPPLE LENGTH AS NEEDED
 9. PVC SCH 40 TEE OR ELL
 10. PVC LATERAL PIPE
 11. 3" MINIMUM DEPTH OF 3/4" WASHED PEA GRAVEL
 12. SINGLE-OUTLET EMITTER: RAIN BIRD XERIBUG-EMITTER
 13. WEED BARRIER TAPE TO EMITTER BOX AND PIPE PENETRATION TAPE TO EMITTER BOX AND DUTY PLASTIC TAPE

2
 SCALE NTS



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development Section
 Kaitia O'Connell - 02.28.2022
 Signature & Date

100% CONSTRUCTION DOCUMENTS
VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
 POLO NORTE PARK, 12701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

Southwest Land Development Services, Inc.
 6080 Spring Dr #600
 Dallas, TX 75216
 972.382.2200
 972.382.2200


Quantum Engineering Consultants, Inc.
 720 Arden Ave
 Dallas, TX 75216
 972.382.2200
 972.382.2200

Vermosa, Inc.
 7400 Woodland Blvd, Suite 207
 Dallas, TX 75249
 972.382.2200
 972.382.2200

| No. | Date | Description |
|-----|-----------|--------------------------------|
| 1 | 4/9/2021 | Plan revised per City comments |
| 2 | 6/1/2021 | Plan revised per City comments |
| 3 | 1/01/2021 | Plan revised per City comments |
| 4 | 2/3/2022 | Plan revised per City comments |

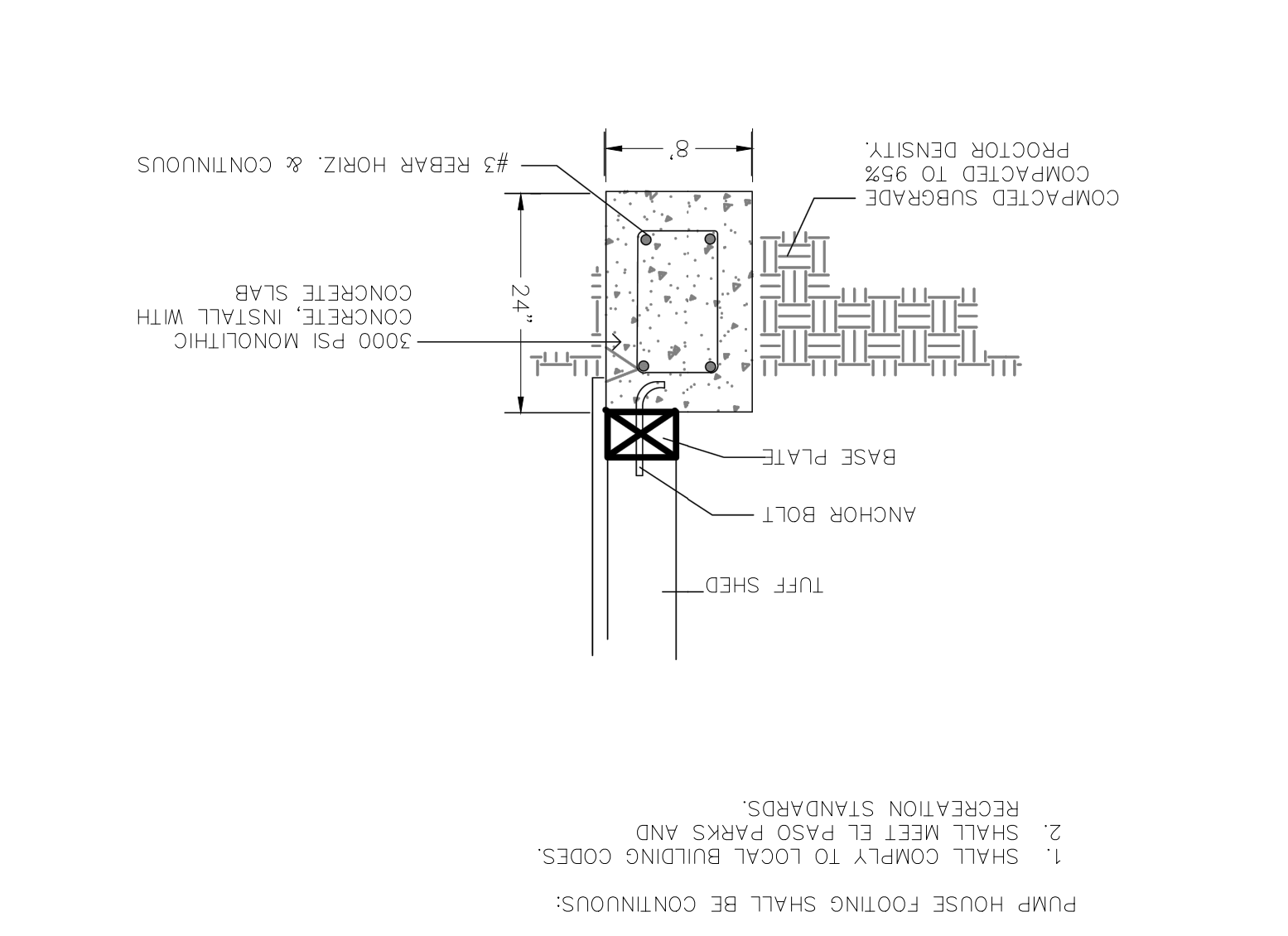
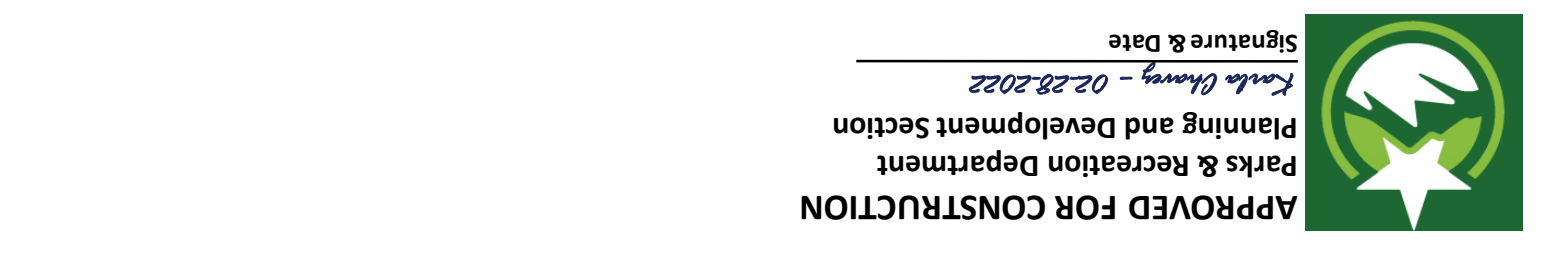
Issues:
 Drawn By: CLH
 Checked By: FL
 Scale: Per Plan
 Sheet Title: IRRIGATION DETAILS
 L4.5
 Sheet Number

| Revision | No. | Date | Description |
|----------|-----|-----------|--------------------------------|
| | 1 | 4/9/2021 | Plan revised per City comments |
| | 2 | 6/1/2021 | Plan revised per City comments |
| | 3 | 1/01/2021 | Plan revised per City comments |
| | 4 | 2/3/2022 | Plan revised per City comments |

| | | | |
|--|--|--|--|
| Vermosa, Inc. 7450 Woodland Blvd, Suite 207 915 568 2891 2.3.2022  | | | |
| Quantum Engineering Consultants, Inc. 720 Arroyo Ave #9602 915 503 2720 915 503 2720 | | | |
| Southwest Land Development Services, Inc. 6080 Spring Dr #9605 915 503 0280 915 503 0280 | | | |

100% CONSTRUCTION DOCUMENTS
VISTA DEL NORTE ESTATES
UNIT TWO PARKS
POLO NORTE & RIO RIMAC PARK
 POLO NORTE PARK, 12701 POLO NORTE DRIVE,
 RIO RIMAC PARK, 7471 RIO RIMAC DR,
 CITY OF EL PASO, EL PASO COUNTY, TEXAS.

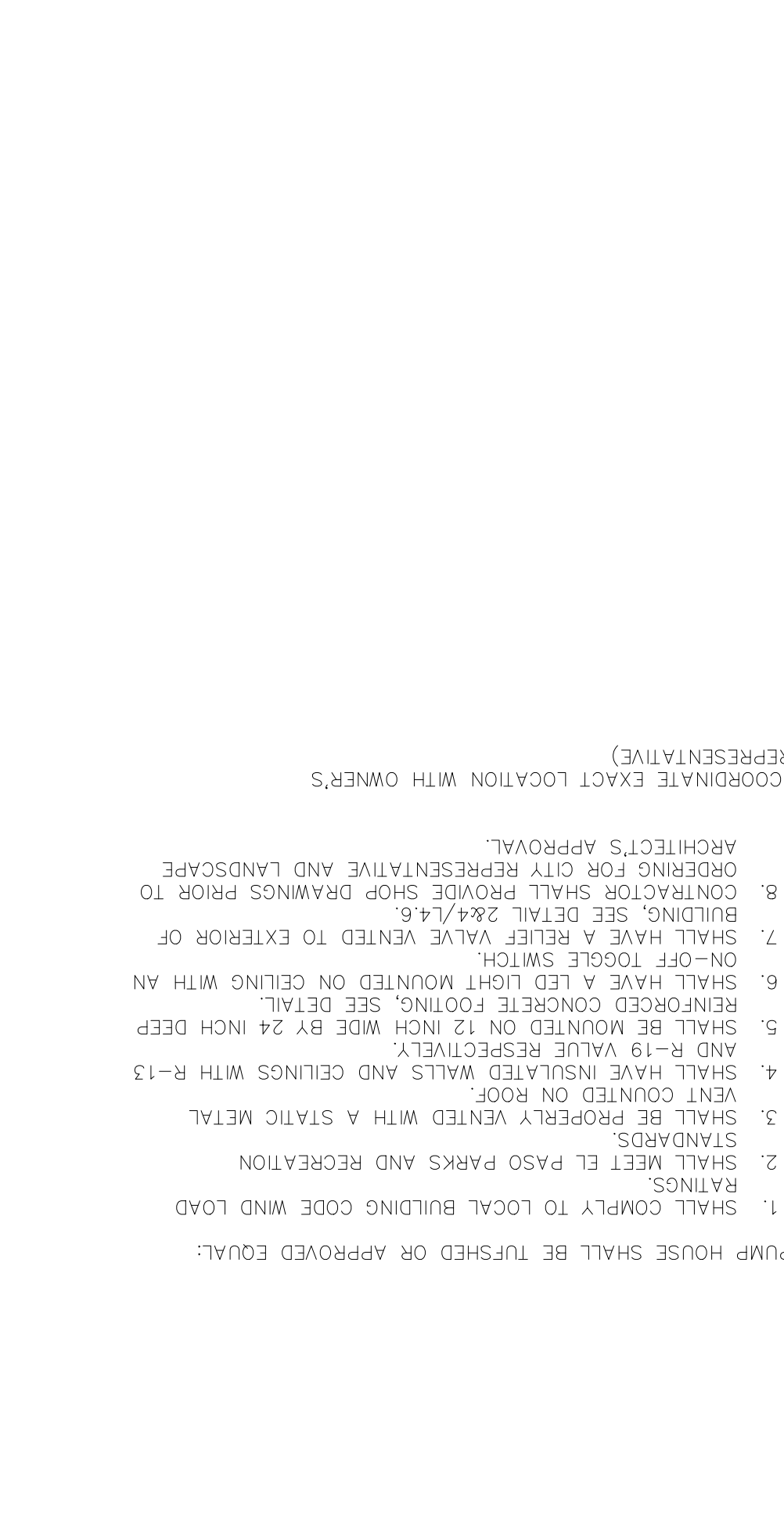
1 CONCRETE FOOTING FOR PUMP HOUSE
 SCALE: NTS



APPROVED FOR CONSTRUCTION
 Parks & Recreation Department
 Planning and Development Section
 Signature & Date
 Kevle Olney - 02/28/2022

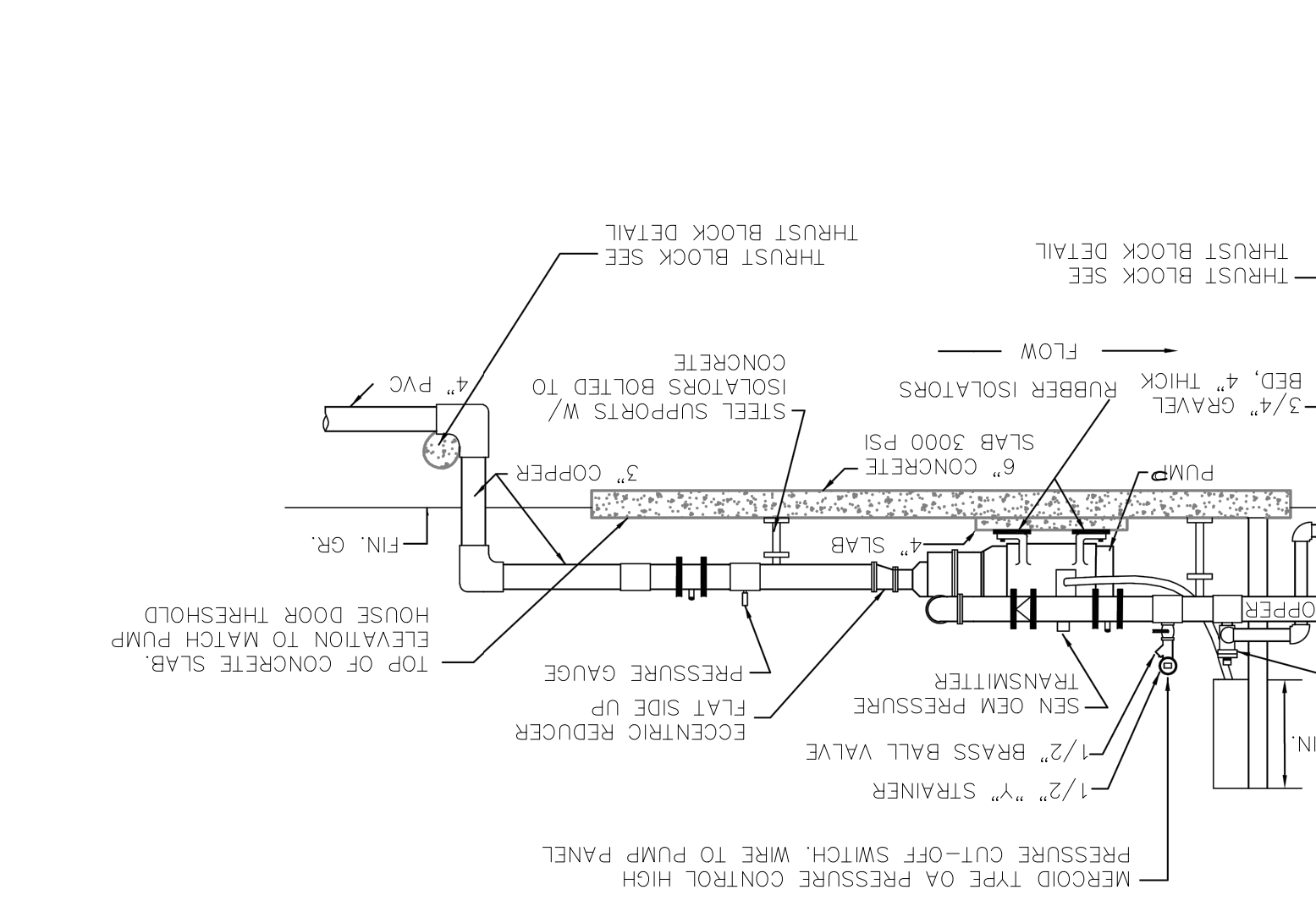
PUMP HOUSE FOOTING SHALL BE CONTINUOUS:
 1. SHALL COMPLY TO LOCAL BUILDING CODES.
 2. SHALL MEET EL PASO PARKS AND RECREATION STANDARDS.

3 PUMP HOUSE
 SCALE: NTS



PUMP HOUSE SHALL BE TUFFSHED OR APPROVED EQUAL:
 1. SHALL COMPLY TO LOCAL BUILDING CODE WIND LOAD STANDARDS.
 2. SHALL MEET EL PASO PARKS AND RECREATION STANDARDS.
 3. SHALL BE PROPERLY VENTED WITH A STATIC METAL VENT COUNTED ON ROOF.
 4. AND R-19 VALUE RESPECTIVELY.
 5. SHALL HAVE INSULATED WALLS AND CEILINGS WITH AN REINFORCED CONCRETE FOOTING, SEE DETAIL.
 6. SHALL HAVE A LED LIGHT MOUNTED ON CEILING WITH AN ON-OFF TOGGLE SWITCH.
 7. SHALL HAVE A RELIEF VALVE VENTED TO EXTERIOR OF BUILDING, SEE DETAIL 2&4/4.6.
 8. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PRIOR TO ORDERING FOR CITY REPRESENTATIVE AND LANDSCAPE ARCHITECT'S APPROVAL.
 (COORDINATE EXACT LOCATION WITH OWNERS REPRESENTATIVE)

2 PUMP SIDE VIEW
 SCALE: NTS



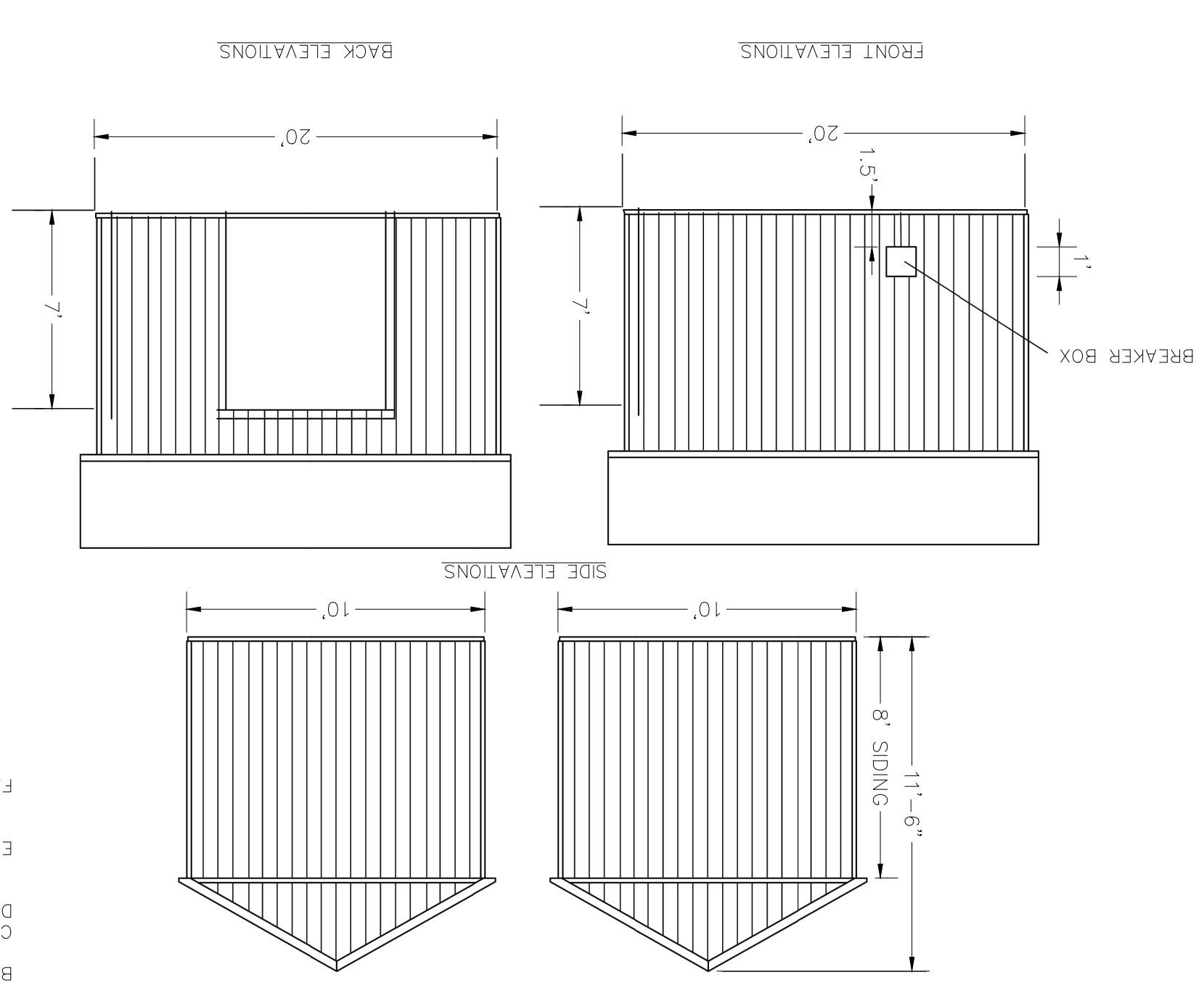
PUMP HOUSE SHALL MEET EL PASO PARKS AND RECREATION STANDARDS:
 1. START RELAY SHALL BE INSTALLED AS REQUIRED TO MEET PRESSURE DEMANDS OF SYSTEM. RELAYS SHALL BE LOCATED A MINIMUM OF 8 FEET FROM IRRIGATION CONTROLLER.
 2. CONTROL WIRING SHALL BE ON SEPARATE CIRCUITS.
 3. PUMP SHALL BE INSTALLED WITH HIGH PRESSURE AND LOW PRESSURE LIMIT SWITCHES, RELIEF VALVES AND PRESSURE GAUGES ON INLET & OUTLET SIDES OF PUMP.
 4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS.

NOTE:
 1. CONCRETE SLAB SHALL BE SIZED AS NECESSARY.
 2. REFER TO THE IRRIGATION LEGEND FOR TYPE OF PUMP.

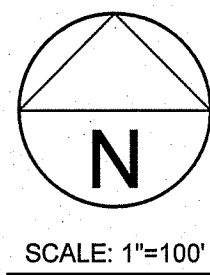
4 NOT USED
 SCALE: NTS



PUMP HOUSE SHALL BE TUFFSHED OR APPROVED EQUAL:
 1. SHALL COMPLY TO LOCAL BUILDING CODE WIND LOAD STANDARDS.
 2. SHALL MEET EL PASO PARKS AND RECREATION STANDARDS.
 3. SHALL BE PROPERLY VENTED WITH A STATIC METAL VENT COUNTED ON ROOF.
 4. AND R-19 VALUE RESPECTIVELY.
 5. SHALL HAVE INSULATED WALLS AND CEILINGS WITH AN REINFORCED CONCRETE FOOTING, SEE DETAIL.
 6. SHALL HAVE A LED LIGHT MOUNTED ON CEILING WITH AN ON-OFF TOGGLE SWITCH.
 7. SHALL HAVE A RELIEF VALVE VENTED TO EXTERIOR OF BUILDING, SEE DETAIL 2&4/4.6.
 8. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PRIOR TO ORDERING FOR CITY REPRESENTATIVE AND LANDSCAPE ARCHITECT'S APPROVAL.
 (COORDINATE EXACT LOCATION WITH OWNERS REPRESENTATIVE)



CONTROLLED ELECTRICAL SERVICE CONNECTION TO PUMP AND PROVIDE CONDUIT AND CONTROL WIRING FOR THE IRRIGATION SPINKLER SYSTEM CONTROLLER. VERIFY LOCATION TO EXTEND 2 #2 AND 1 #12 GROUND IN 1/2" CONDUIT TO 3 #6 AND 1 #10 GROUND IN 3/4" CONDUIT.
 D. PROVIDE A DUPLEX GFCI TYPE RECEPTACLE OUTLET AND MOUNT ON ANGLE SUPPORT UP 24" ABOVE FINISHED FLOOR. COORDINATE LOCATION.
 E. PANEL DISCONNECT SWITCH, DRY TYPE TRANSFORMER AND MOUNT NEXT TO PUMP CONTROLLER. PROVIDE SUPPORT AS NECESSARY.
 F. THE LAYOUT OF PUMP IS APPROXIMATE.



SECTION 9
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS
TRACT 2



Oscar Villalobos
BY
03/11/2022
DATE

SECTION 9
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS

SECTION 10
BLOCK 80, TOWNSHIP 1,
T. & P. R.R. CO. SURVEYS
TRACT 1

SECTION 10
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS
TRACT 1

| STREET NAME | LENGTH, SIZE, TYPE & CLASS OF PIPE |
|----------------------|--|
| DON NORTE STREET | INST. 1,423 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| VENDO NORTE DRIVE | INST. 2,100 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| CONO NORTE DRIVE | INST. 1,876 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE MESA LANE | INST. 808 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE VALLEY LANE | INST. 753 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE PORTUGAL LANE | INST. 943 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE BRASIL DRIVE | INST. 1,884 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| POLO NORTE DRIVE | INST. 4,576 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| PARQUE VIEW WAY | INST. 190 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE VISTA DRIVE | INST. 186 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| CARLOS RAMIREZ DRIVE | INST. 5,447 FT. OF 12" P.V.C. PIPE (C/900) (CLASS 235) |
| CAYO NORTE DRIVE | INST. 2,047 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE HILL COURT | INST. 190 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| LIMA NORTE LANE | INST. 280 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| RIO DEL NORTE DRIVE | INST. 1,143 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE GRANDE DRIVE | INST. 1,198 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE CHICO PLACE | INST. 485 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| O'CONNOR DRIVE | INST. 509 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| NORTE CHILE WAY | INST. 460 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |
| BOKO NORTE WAY | INST. 478 FT. OF 8" P.V.C. PIPE (C/900) (CLASS 235) |

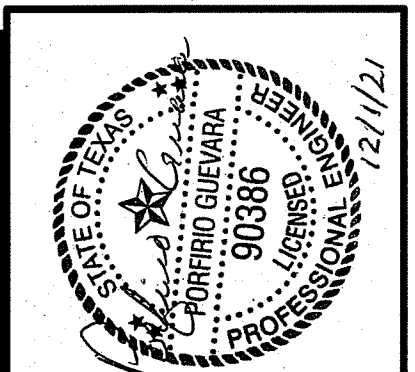
NUMBER OF FIRE HYDRANTS = 24

NUMBER OF RESIDENTIAL
1/2" WATER SERVICES = 607

NUMBER OF 1" YARD METERS = 1
NUMBER OF 1 1/2" YARD METERS = 1
NUMBER OF 2" YARD METERS = 1

MATCH LINE
SEE SHEET 2

REV. ADD PARK SVC 120121



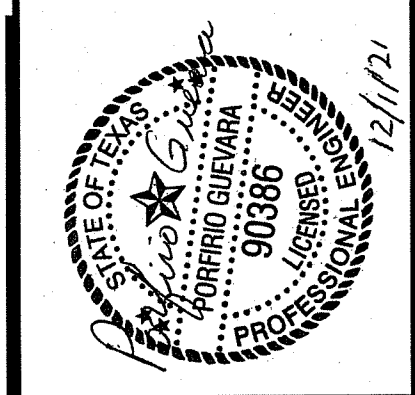
CIVIL ENGINEER
GUEVARA ENGINEERING
P.O. BOX 961514
EL PASO, TEXAS 79996
(915) 203-5826
STATE REGISTRATION NO. F-12421

VISTA DEL NORTE UNIT TWO SUBDIVISION

EL PASO COUNTY, TEXAS

WATER DISTRIBUTION SYSTEM

DATE: NOVEMBER 2018
SCALE: AS SHOWN
JOB NO.:
SHEET NO.:
SHT. 1 OF 13



CIVIL ENGINEER
GUEVARA ENGINEERING
 P.O. BOX 961514
 EL PASO, TEXAS 79996
 (915) 203-5826
 STATE REGISTRATION NO. F-12421

VISTA DEL NORTE UNIT TWO SUBDIVISION

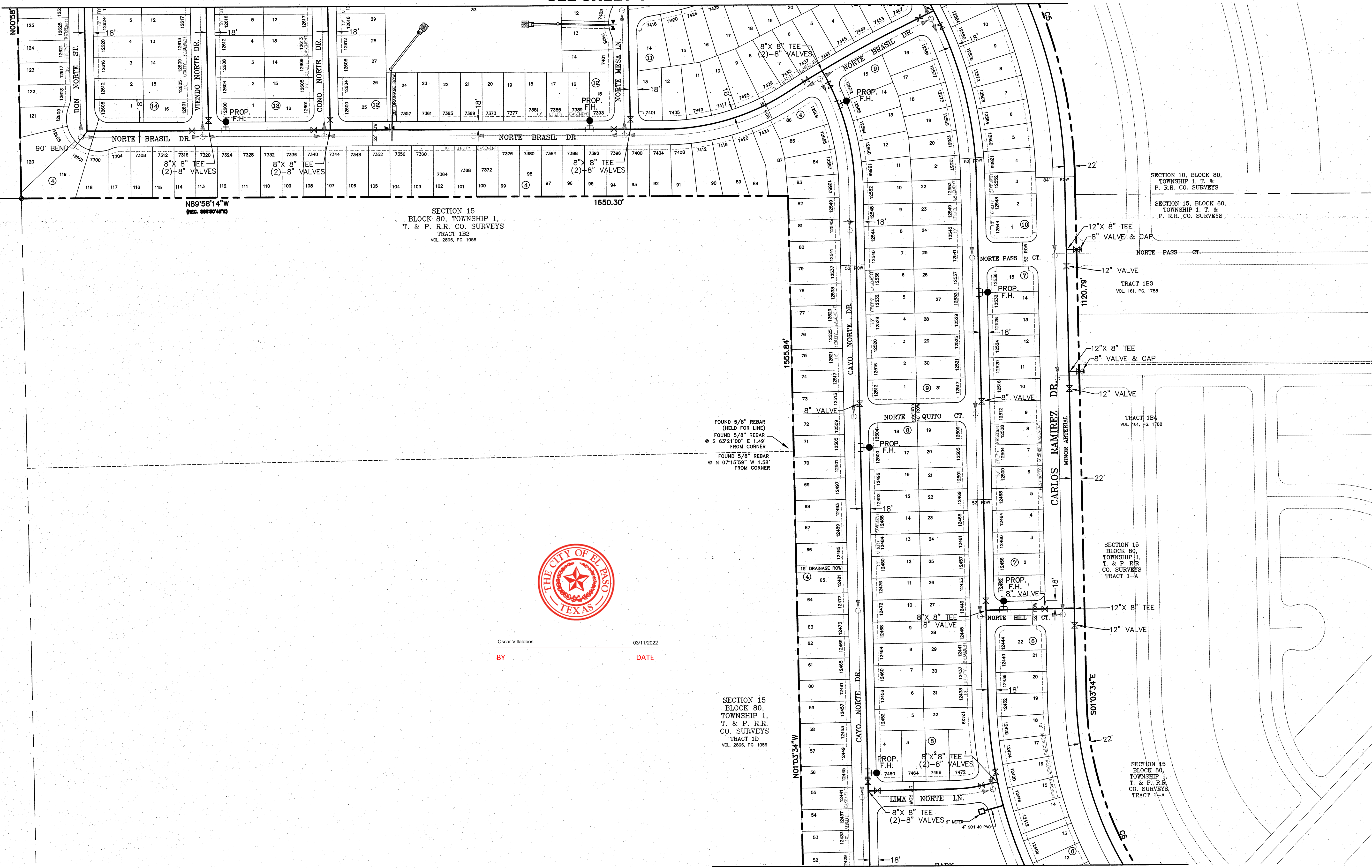
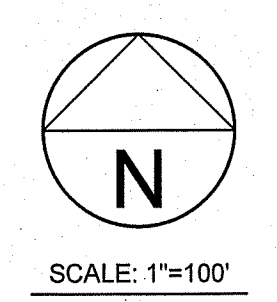
EL PASO COUNTY, TEXAS

**WATER
 DISTRIBUTION
 SYSTEM**

DATE: NOVEMBER 2018
 SCALE: AS SHOWN
 JOB NO.:
 SHEET NO.:
SHT. 2 OF 13

**MATCH LINE
 SEE SHEET 1**

SECTION 9
 BLOCK 80,
 TOWNSHIP 1,
 T. & P. R.R.
 CO. SURVEYS
 TRACT 2



SECTION 15
 BLOCK 80, TOWNSHIP 1,
 T. & P. R.R. CO. SURVEYS
 TRACT 1B2
 VOL. 2896, PG. 1056

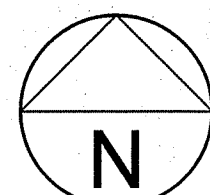
FOUND 5/8" REBAR
 (HELD FOR LINE)
 FOUND 5/8" REBAR
 S 63°21'00" E 1.48'
 FROM CORNER
 FOUND 5/8" REBAR
 N 07°15'54" W 1.58'
 FROM CORNER



Oscar Villalobos 03/11/2022
 BY DATE

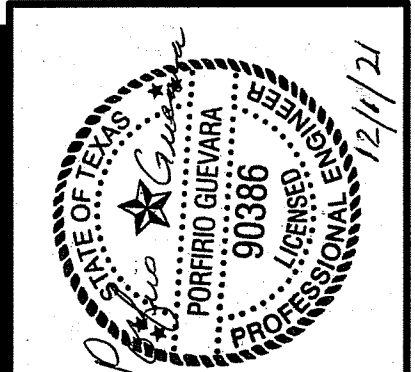
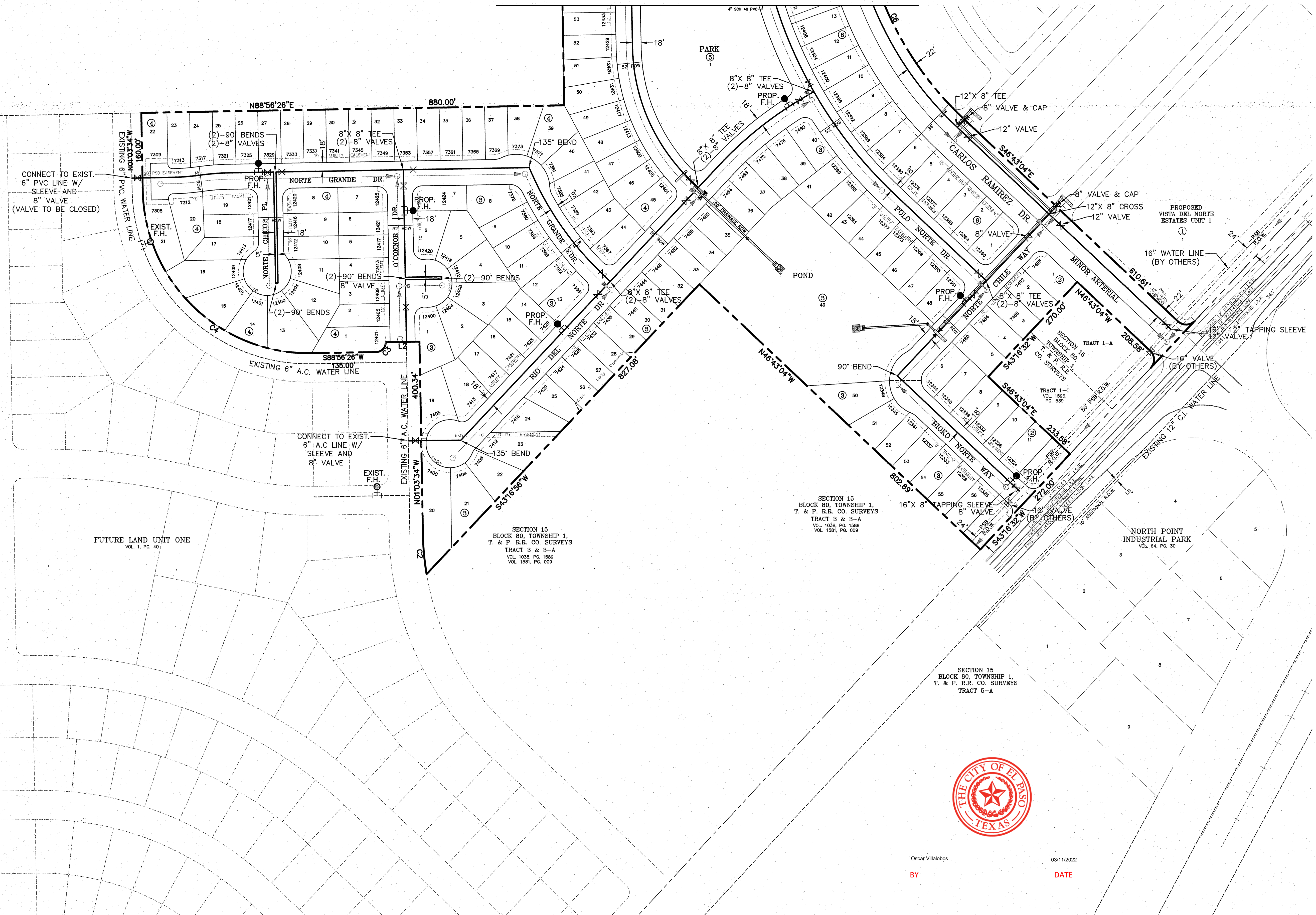
SECTION 15
 BLOCK 80,
 TOWNSHIP 1,
 T. & P. R.R.
 CO. SURVEYS
 TRACT 1D
 VOL. 2896, PG. 1056

**MATCH LINE
 SEE SHEET 3**



SCALE: 1"=100'

MATCH LINE
SEE SHEET 2



CIVIL ENGINEER
GUEVARA ENGINEERING
P.O. BOX 961514
EL PASO, TEXAS 79996
(915) 203-5826
STATE REGISTRATION NO. F-12421

VISTA DEL NORTE UNIT TWO SUBDIVISION

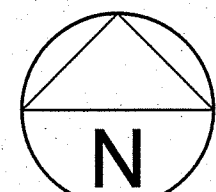
EL PASO COUNTY, TEXAS

**WATER
DISTRIBUTION
SYSTEM**

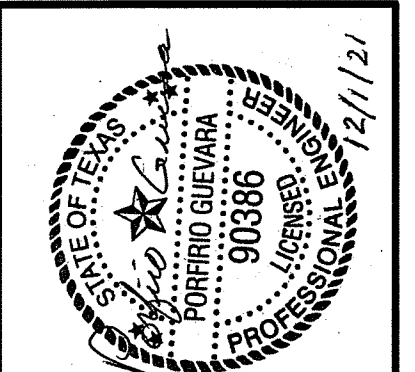
| | |
|------------|---------------|
| DATE: | NOVEMBER 2018 |
| SCALE: | AS SHOWN |
| JOB NO.: | |
| SHEET NO.: | SHT. 3 OF 13 |



Oscar Villalobos 03/11/2022
BY DATE



SCALE: 1"=100'



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VISTA DEL NORTE UNIT TWO SUBDIVISION

SEWER DISTRIBUTION SYSTEM

DATE: NOVEMBER 2018
SCALE: AS SHOWN
JOB NO.:
SHEET NO.:
SHT. 4 OF 13

EL PASO COUNTY, TEXAS

SECTION 9
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS
TRACT 2

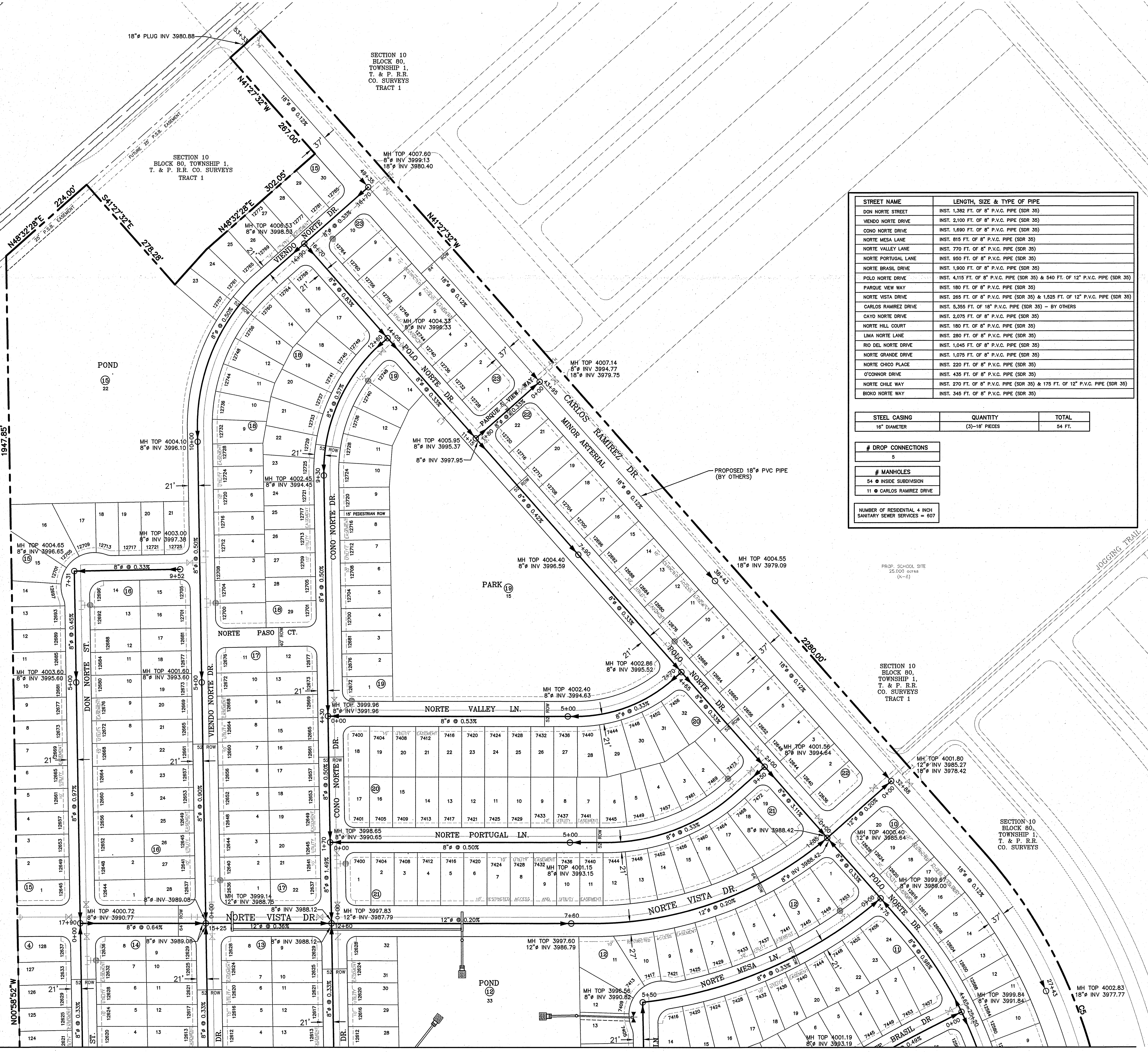
SECTION 10
BLOCK 80, TOWNSHIP 1,
T. & P. R.R. CO. SURVEYS
TRACT 1

SECTION 10
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS
TRACT 1

| STREET NAME | LENGTH, SIZE & TYPE OF PIPE |
|----------------------|--|
| DON NORTE STREET | INST. 1,382 FT. OF 8" P.V.C. PIPE (SDR 35) |
| VENDO NORTE DRIVE | INST. 2,100 FT. OF 8" P.V.C. PIPE (SDR 35) |
| CONO NORTE DRIVE | INST. 1,890 FT. OF 8" P.V.C. PIPE (SDR 35) |
| NORTE MESA LANE | INST. 815 FT. OF 8" P.V.C. PIPE (SDR 35) |
| NORTE VALLEY LANE | INST. 770 FT. OF 8" P.V.C. PIPE (SDR 35) |
| NORTE PORTUGAL LANE | INST. 950 FT. OF 8" P.V.C. PIPE (SDR 35) |
| NORTE BRASIL DRIVE | INST. 1,800 FT. OF 8" P.V.C. PIPE (SDR 35) |
| PARQUE VIEW WAY | INST. 4,115 FT. OF 8" P.V.C. PIPE (SDR 35) & 540 FT. OF 12" P.V.C. PIPE (SDR 35) |
| NORTE VISTA DRIVE | INST. 285 FT. OF 8" P.V.C. PIPE (SDR 35) & 1,625 FT. OF 12" P.V.C. PIPE (SDR 35) |
| CARLOS RAMIREZ DRIVE | INST. 5,355 FT. OF 18" P.V.C. PIPE (SDR 35) - BY OTHERS |
| CAYO NORTE DRIVE | INST. 2,075 FT. OF 8" P.V.C. PIPE (SDR 35) |
| NORTE HILL COURT | INST. 180 FT. OF 8" P.V.C. PIPE (SDR 35) |
| LIMA NORTE LANE | INST. 280 FT. OF 8" P.V.C. PIPE (SDR 35) |
| RIO DEL NORTE DRIVE | INST. 1,045 FT. OF 8" P.V.C. PIPE (SDR 35) |
| NORTE GRANDE DRIVE | INST. 1,075 FT. OF 8" P.V.C. PIPE (SDR 35) |
| NORTE CHICO PLACE | INST. 220 FT. OF 8" P.V.C. PIPE (SDR 35) |
| O'CONNOR DRIVE | INST. 435 FT. OF 8" P.V.C. PIPE (SDR 35) |
| NORTE CHILE WAY | INST. 270 FT. OF 8" P.V.C. PIPE (SDR 35) & 175 FT. OF 12" P.V.C. PIPE (SDR 35) |
| BIKO NORTE WAY | INST. 345 FT. OF 8" P.V.C. PIPE (SDR 35) |

| STEEL CASING | QUANTITY | TOTAL |
|--------------|----------------|--------|
| 16" DIAMETER | (3)-18" PIECES | 54 FT. |

- # DROP CONNECTIONS: 5
 - # MANHOLES: 54
 - 54 @ INSIDE SUBDIVISION
 - 11 @ CARLOS RAMIREZ DRIVE
- NUMBER OF RESIDENTIAL 4 INCH SANITARY SEWER SERVICES = 607



**MATCH LINE
SEE SHEET 2**



Oscar Villalobos 03/11/2022
BY DATE

JN 80
HP 1
R.R.
SWEYS
2

SECTION 9
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS

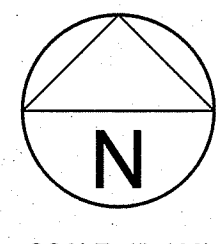
SECTION 10
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS
TRACT 1

SECTION 10
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS

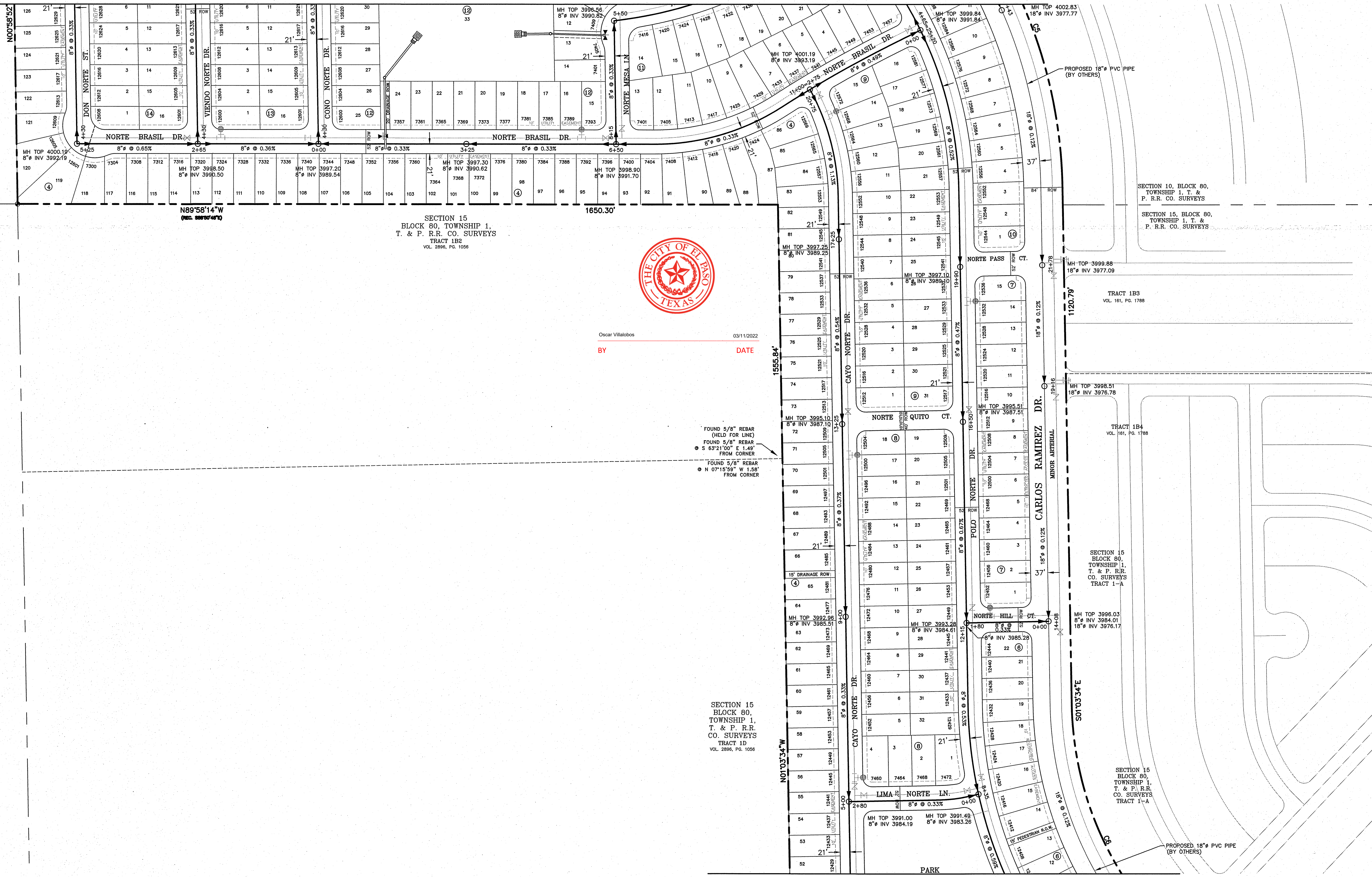
MATCH LINE
SEE SHEET 1

SECTION 9
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS

TRACT 2



SCALE: 1"=100'



SECTION 15
BLOCK 80, TOWNSHIP 1,
T. & P. R.R. CO. SURVEYS
TRACT 1B2
VOL. 2896, PG. 1056



Oscar Villalobos
BY DATE

FOUND 5/8" REBAR
(HELD FOR LINE)
FOUND 5/8" REBAR
S 63°21'00" E 1.48'
FROM CORNER
FOUND 5/8" REBAR
N 07°15'59" W 1.35'
FROM CORNER

SECTION 15
BLOCK 80,
TOWNSHIP 1,
T. & P. R.R.
CO. SURVEYS
TRACT 1D
VOL. 2896, PG. 1056

MATCH LINE
SEE SHEET 3



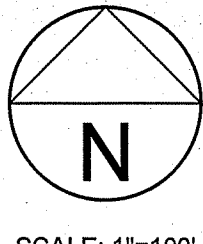
CIVIL ENGINEER
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VISTA DEL NORTE UNIT TWO SUBDIVISION

EL PASO COUNTY, TEXAS

**SEWER
DISTRIBUTION
SYSTEM**

DATE: NOVEMBER 2018
SCALE: AS SHOWN
JOB NO.:
SHEET NO.: SHT. 5 OF 13

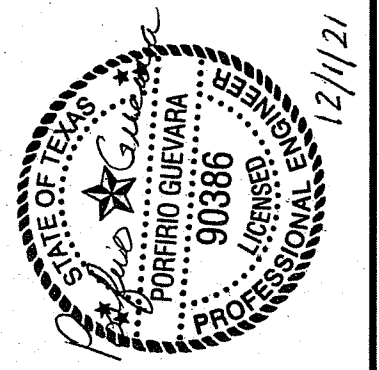
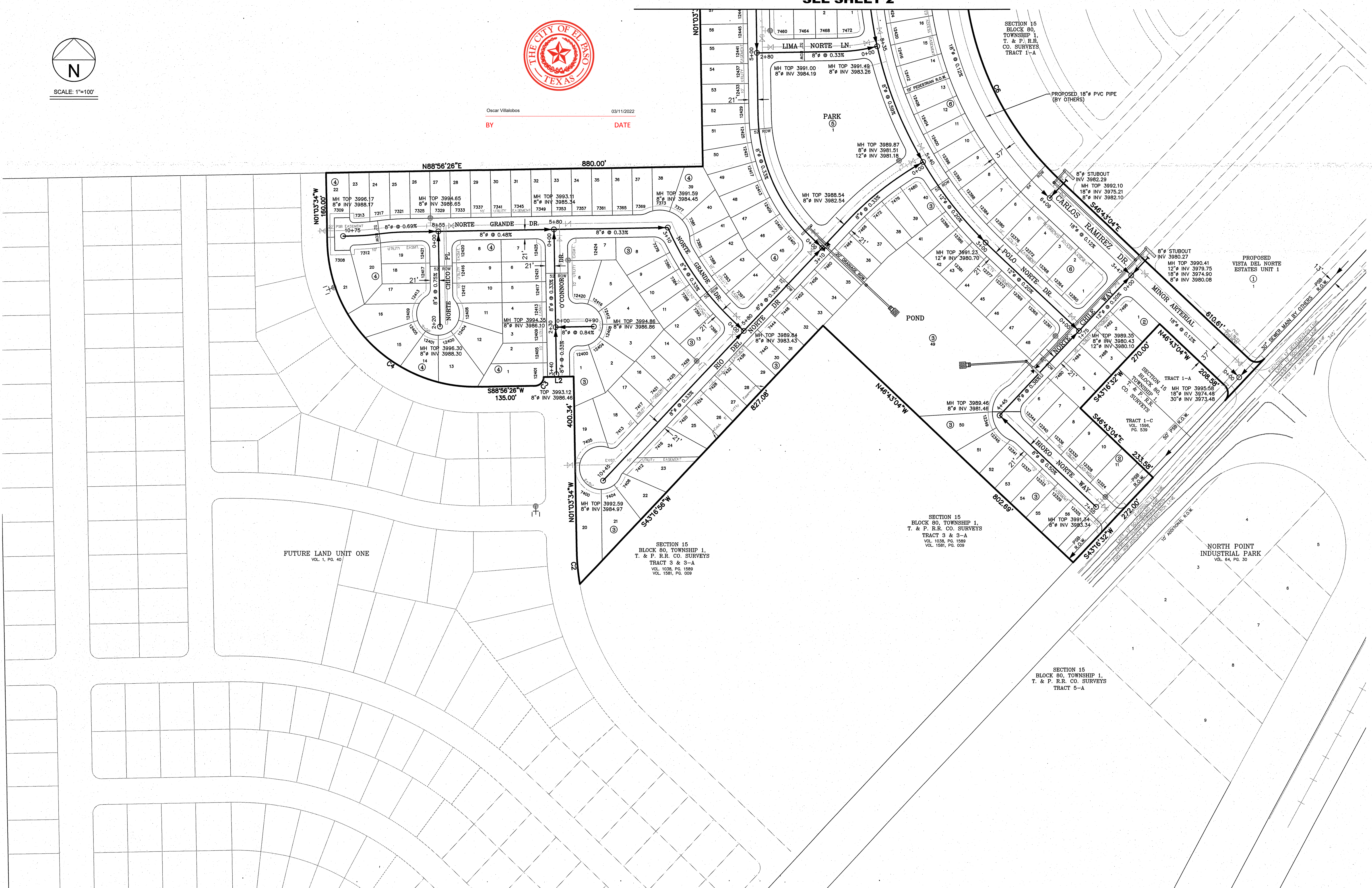


SCALE: 1"=100'



Oscar Villalobos
BY
03/11/2022
DATE

MATCH LINE
SEE SHEET 2



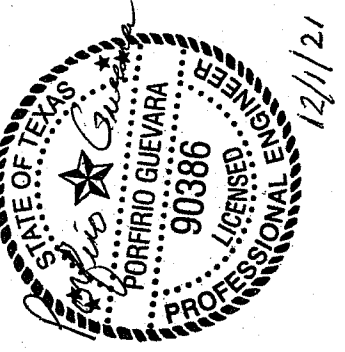
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VISTA DEL NORTE UNIT TWO SUBDIVISION

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**SEWER
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SHEET NO.: **SHT. 6 OF 13**



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VISTA DEL NORTE UNIT TWO SUBDIVISION

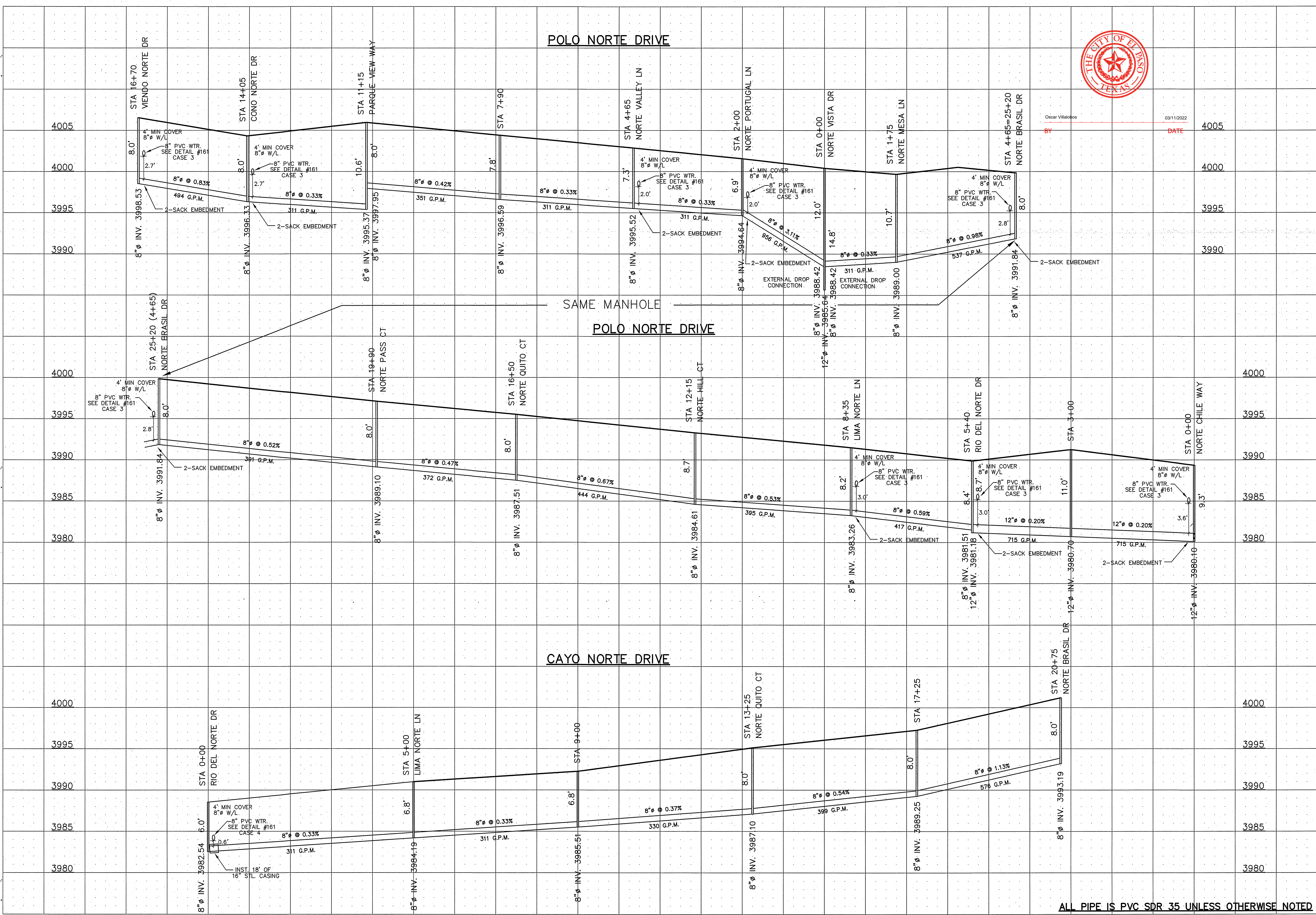
EL PASO COUNTY, TEXAS

**SEWER
 DISTRIBUTION
 SYSTEM**

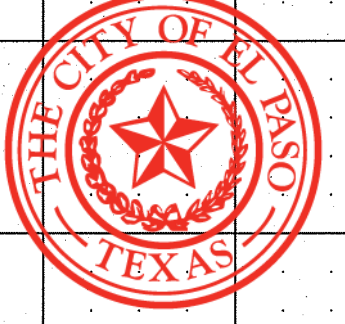
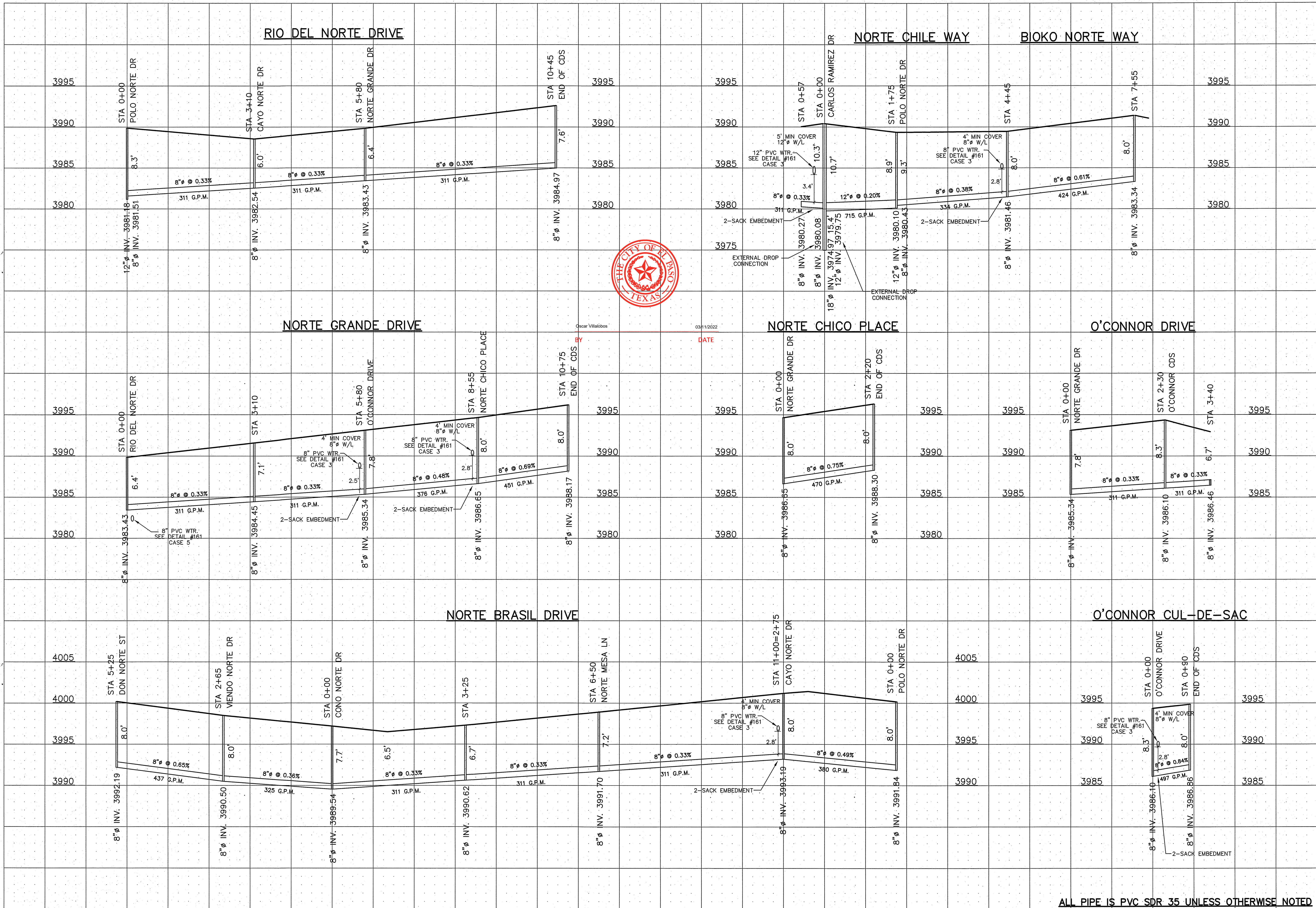
DATE: NOVEMBER 2018
 SCALE: AS SHOWN
 JOB NO.:
 SHEET NO.: SHT. 7 OF 13



Oscar Villalobos
 BY: DATE

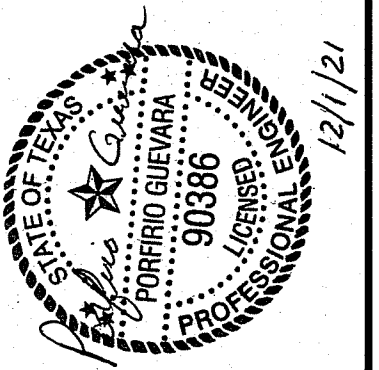


ALL PIPE IS PVC SDR 35 UNLESS OTHERWISE NOTED



Oscar Villalobos 03/11/2022
DATE

ALL PIPE IS PVC SDR 35 UNLESS OTHERWISE NOTED

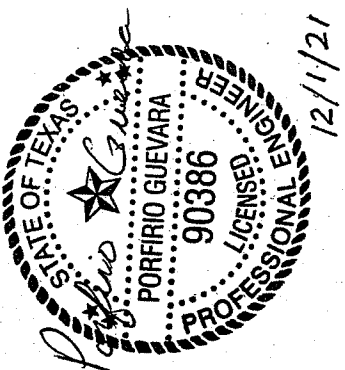


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 EL PASO COUNTY, TEXAS

**SEWER
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 SYSTEM**

DATE: NOVEMBER 2018
 SCALE: AS SHOWN
 JOB NO.:
 SHEET NO.:
SHT. 8 OF 13



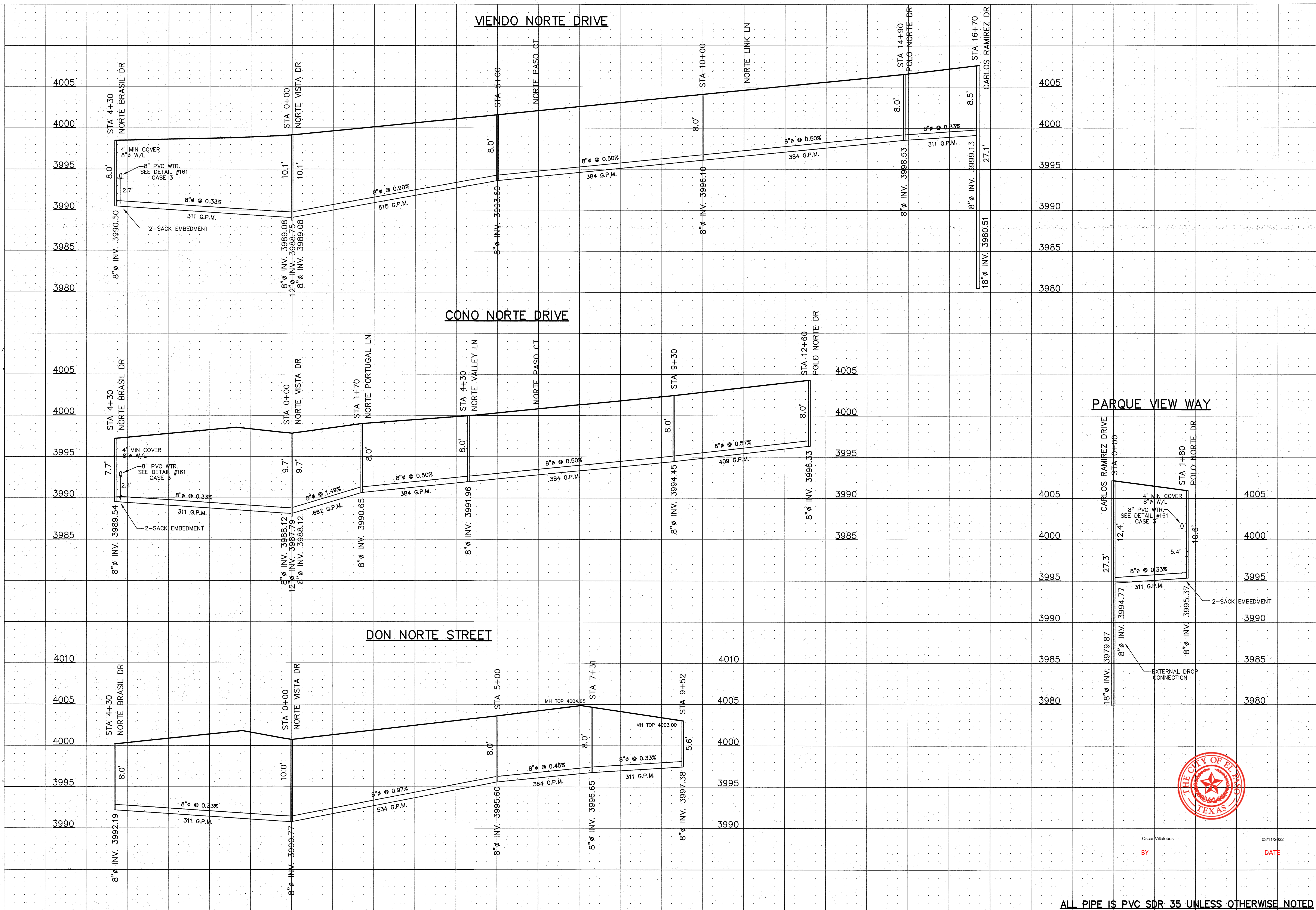
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VISTA DEL NORTE UNIT TWO SUBDIVISION

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**SEWER
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DATE: NOVEMBER 2018
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 SHEET NO.:
SHT. 9 OF 13



ALL PIPE IS PVC SDR 35 UNLESS OTHERWISE NOTED



Oscar Villalobos 03/11/2022
 BY DATE



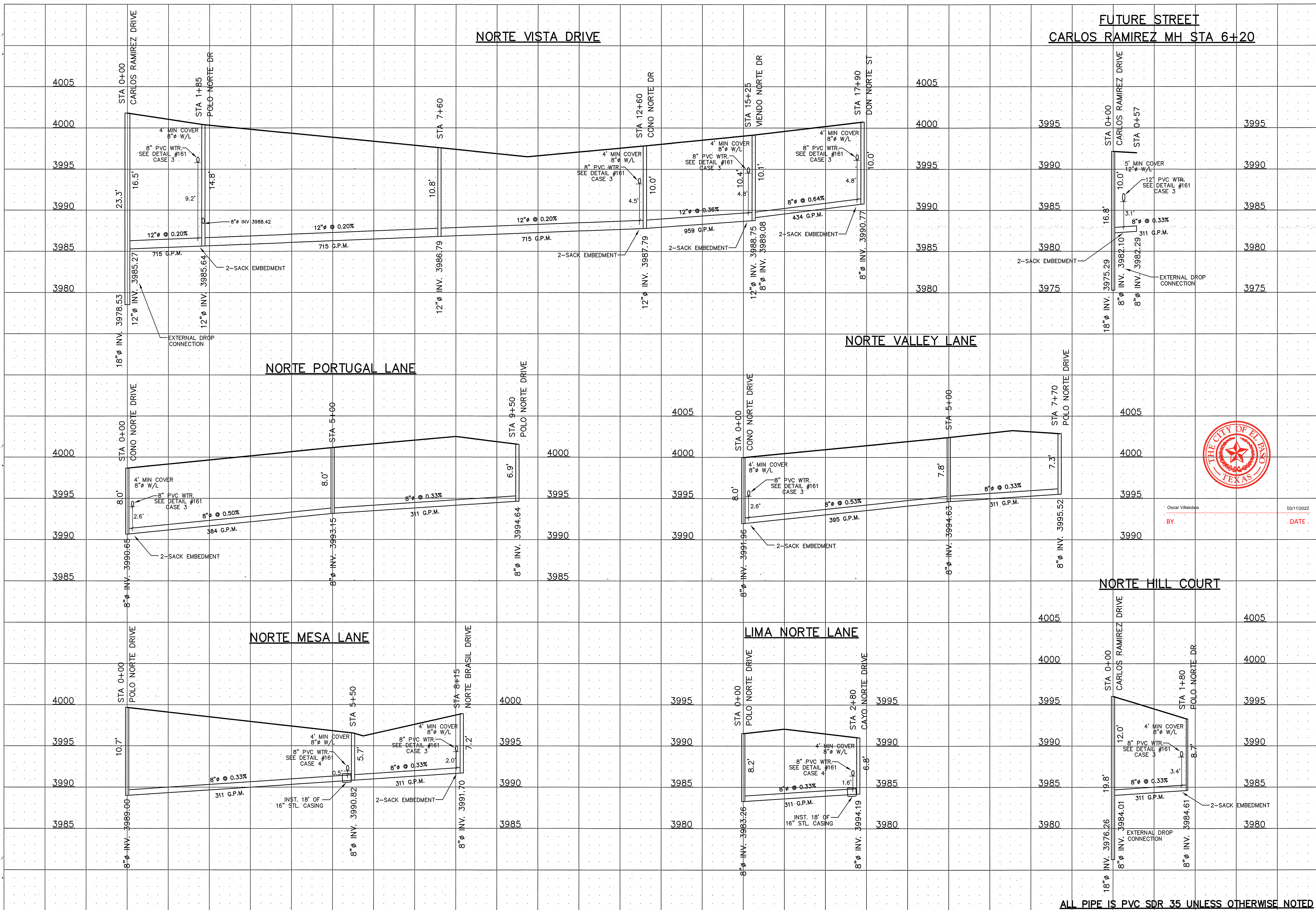
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VISTA DEL NORTE UNIT TWO SUBDIVISION

EL PASO COUNTY, TEXAS

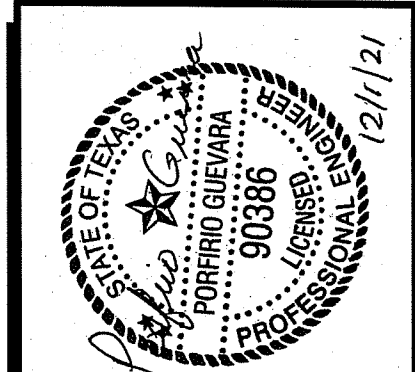
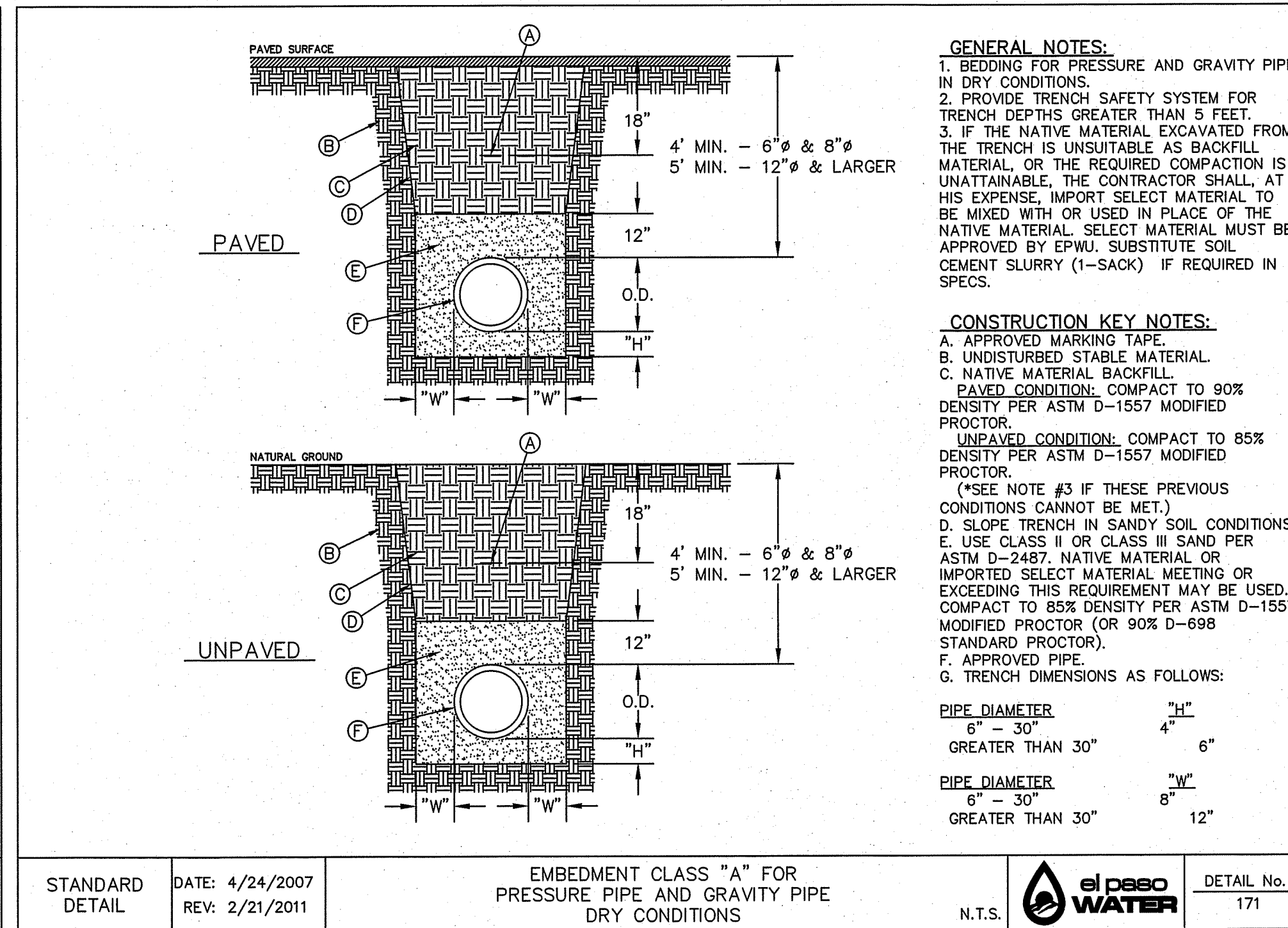
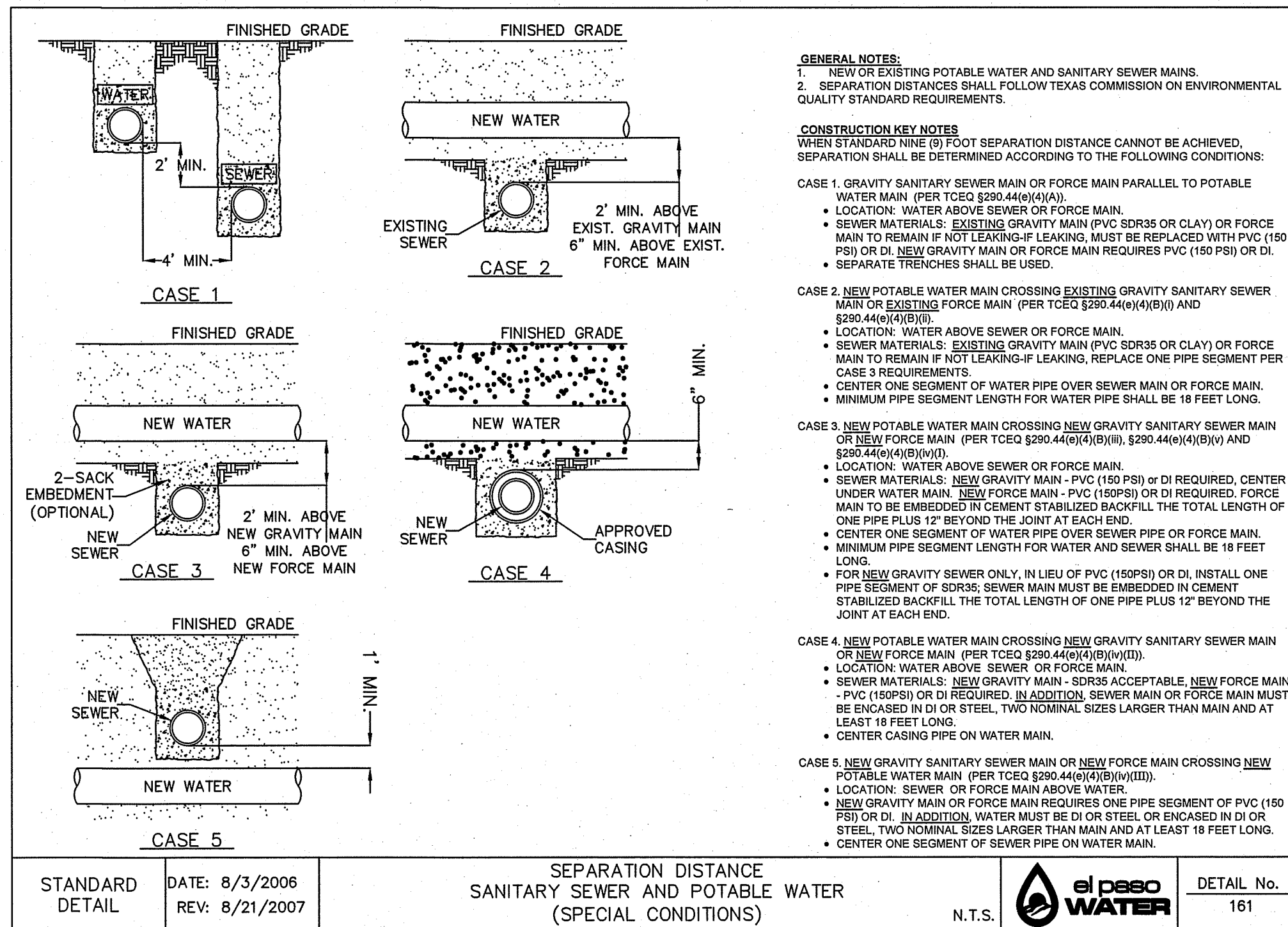
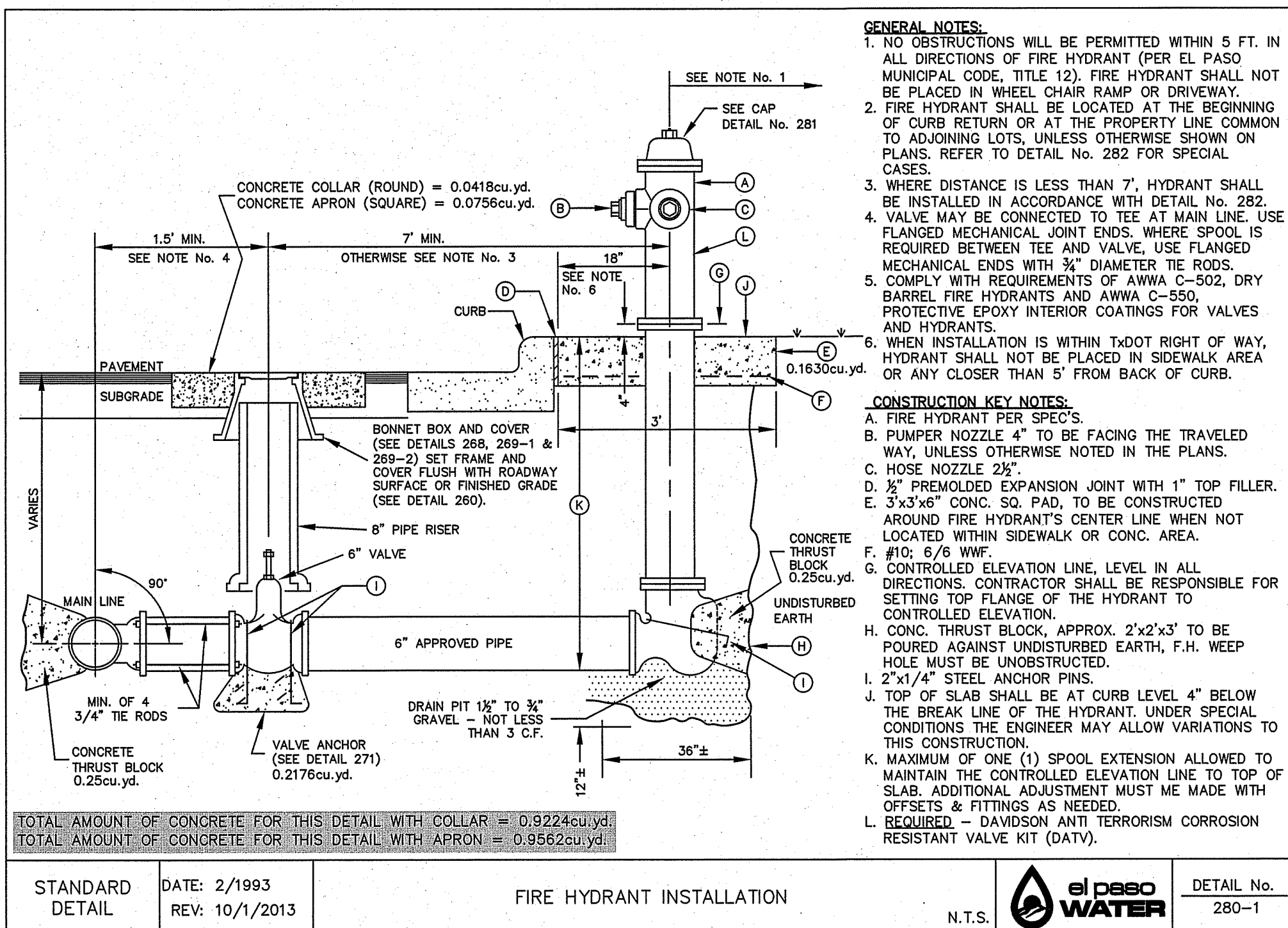
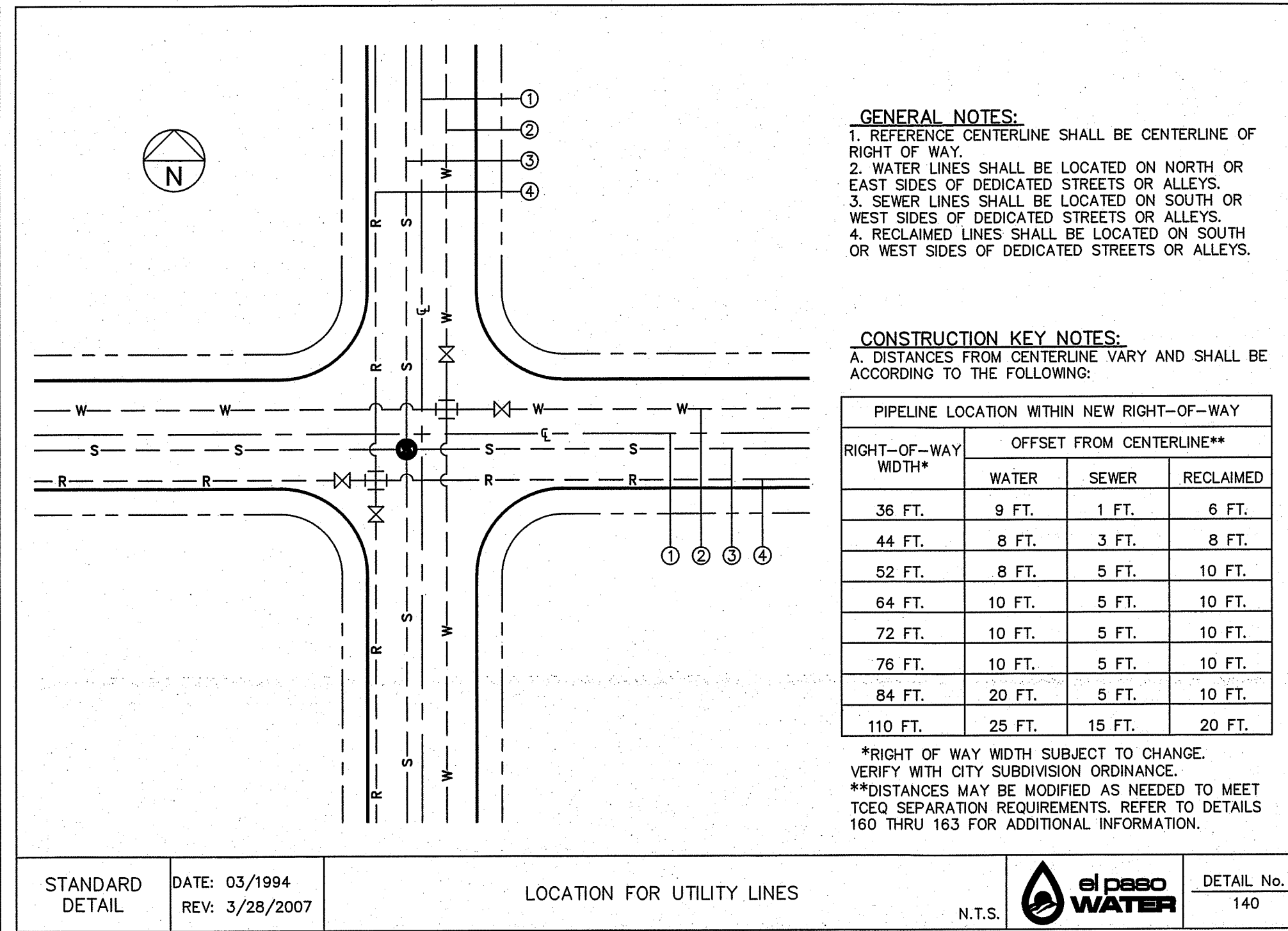
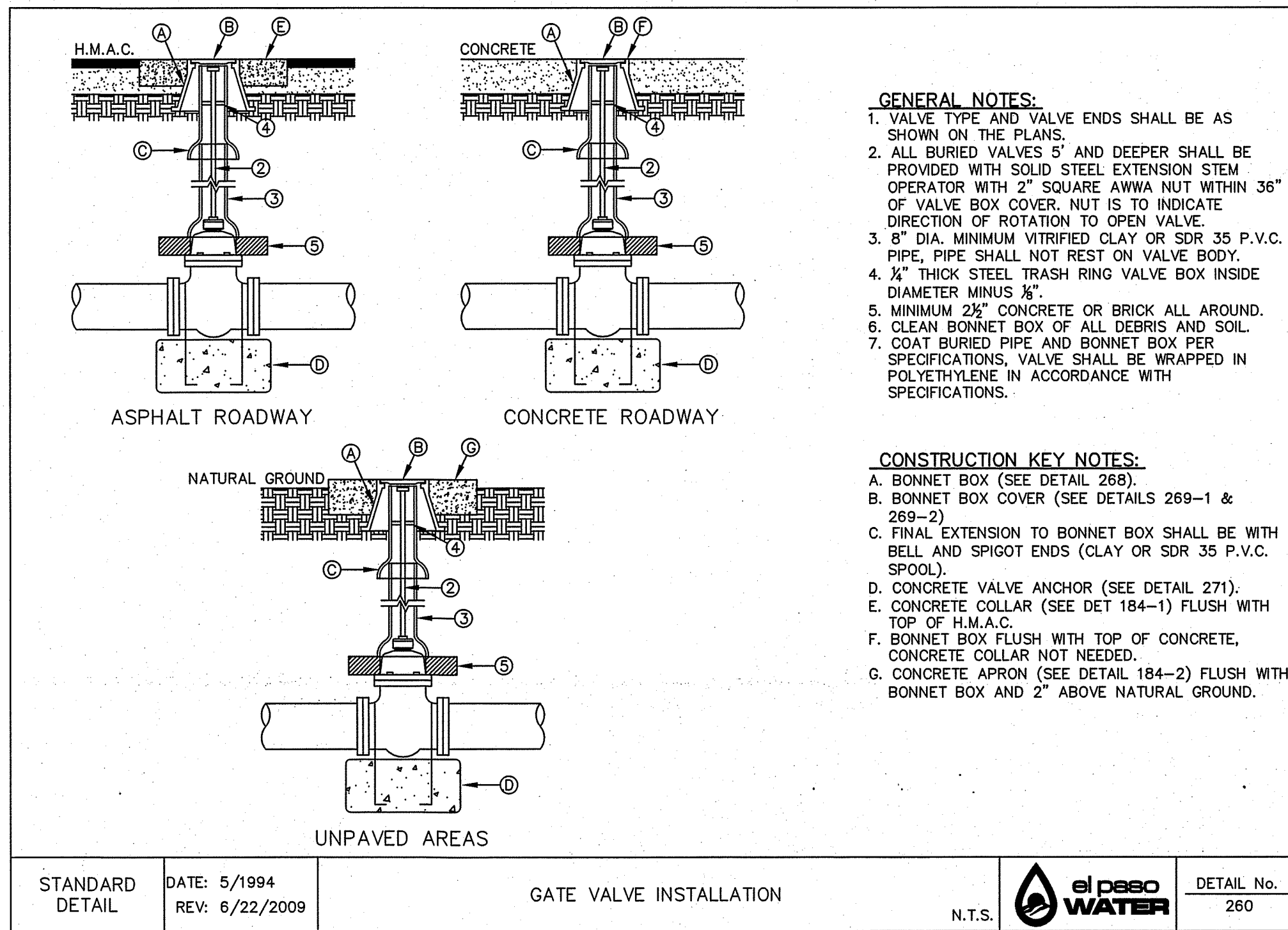
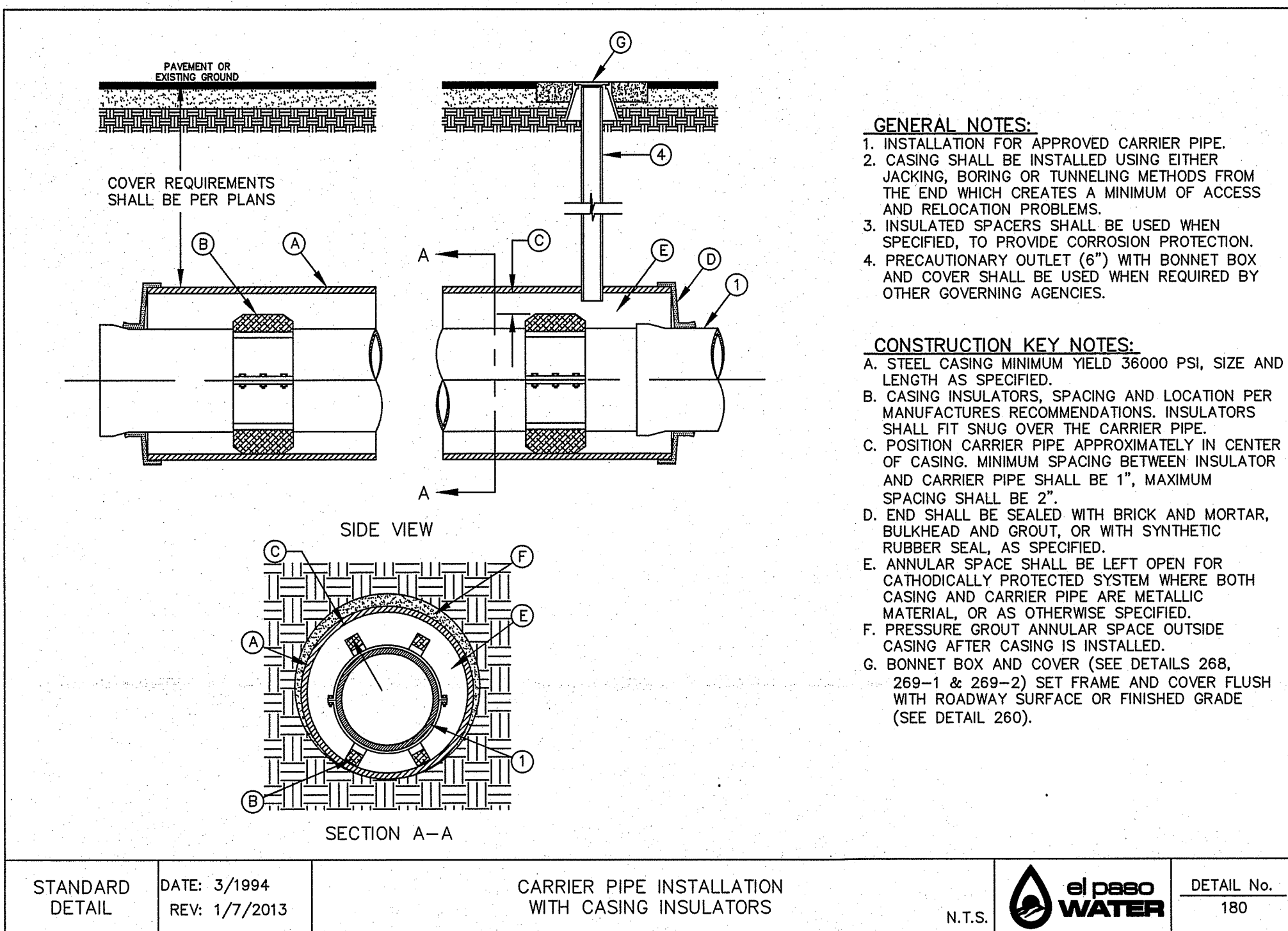
SEWER DISTRIBUTION SYSTEM

DATE: NOVEMBER 2018
 SCALE: AS SHOWN
 JOB NO.:
 SHEET NO.:
SHT. 10 OF 13



BY: Oscar Villalobos
 DATE: 03/11/2022

ALL PIPE IS PVC SDR 35 UNLESS OTHERWISE NOTED



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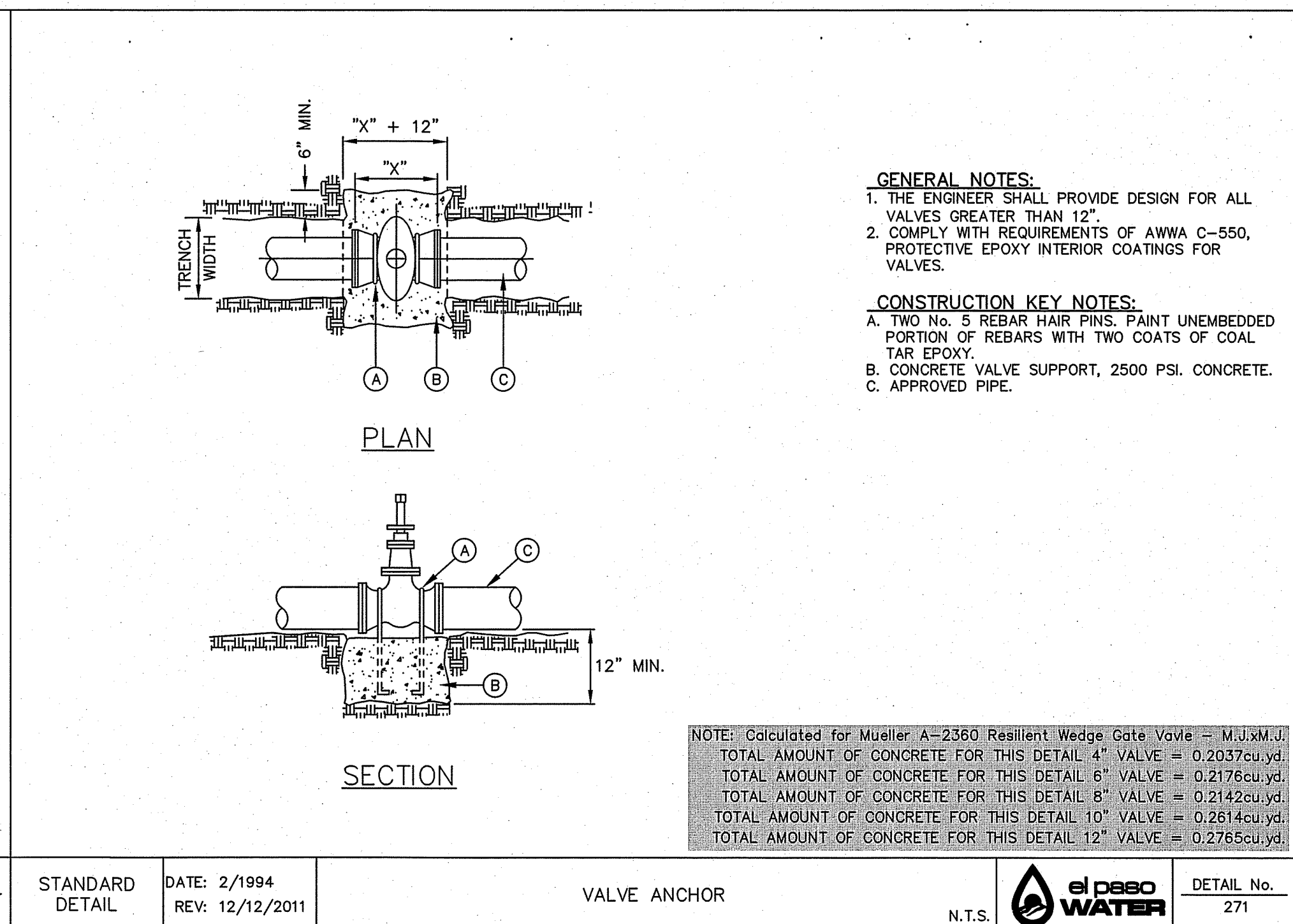
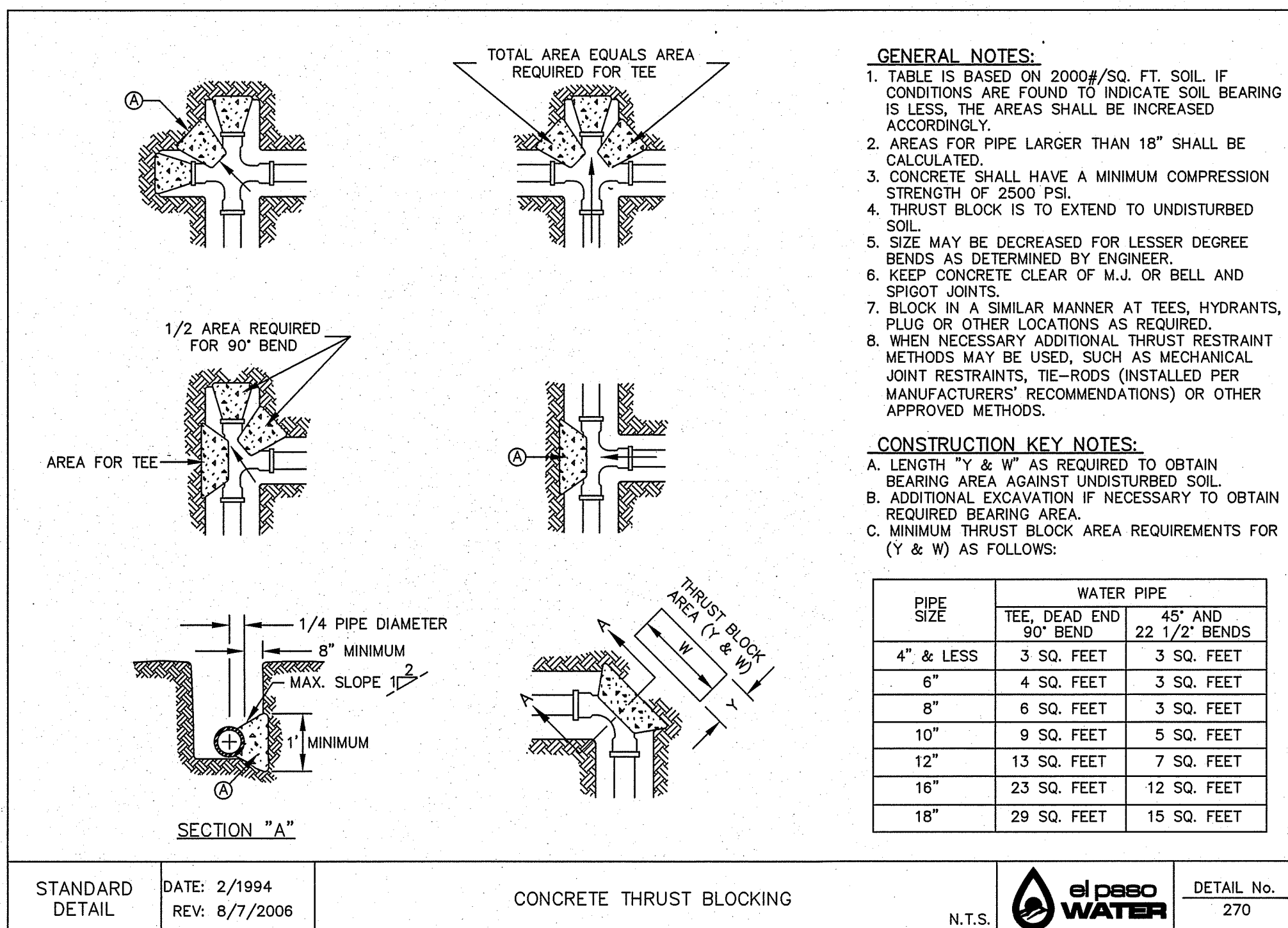
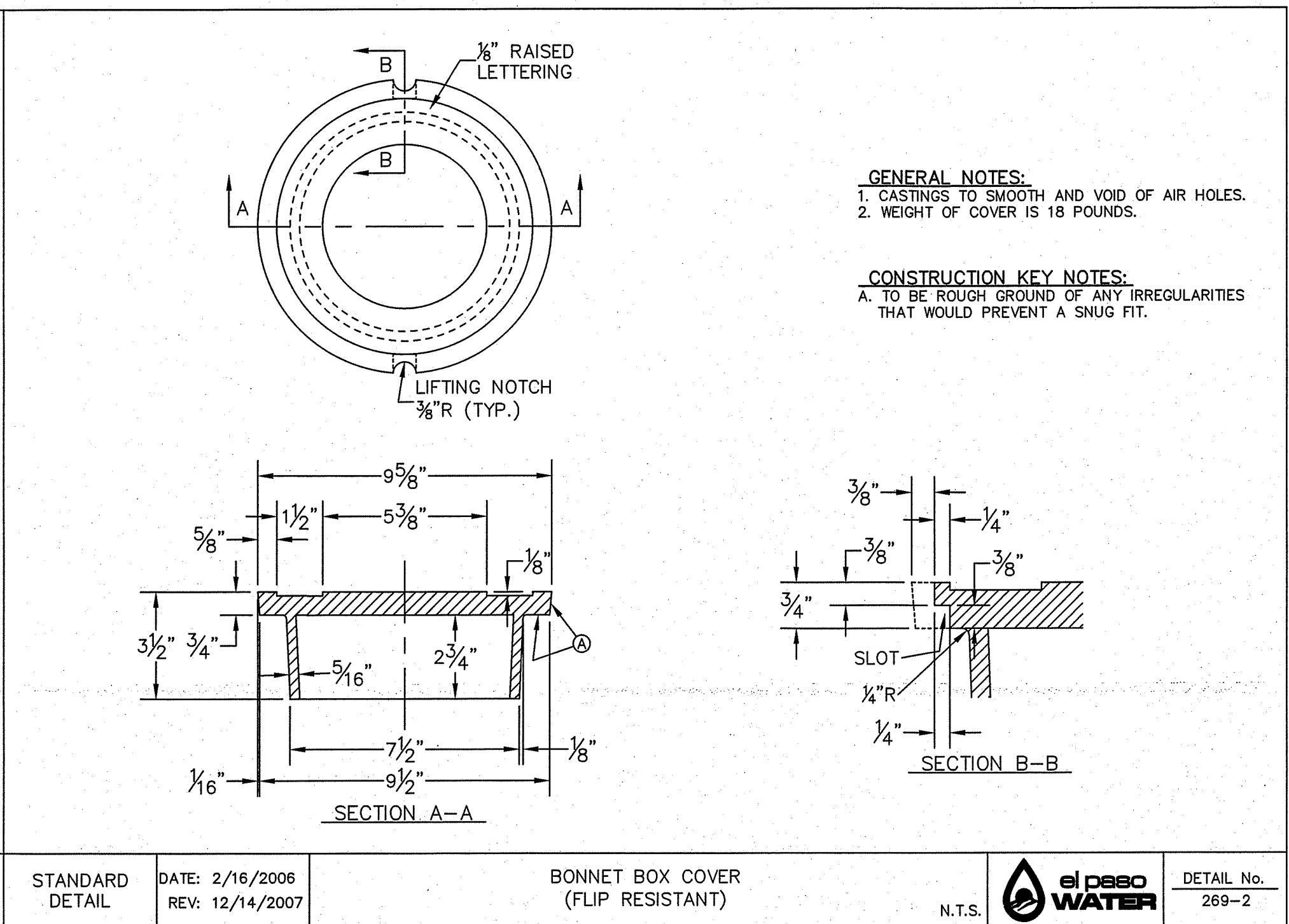
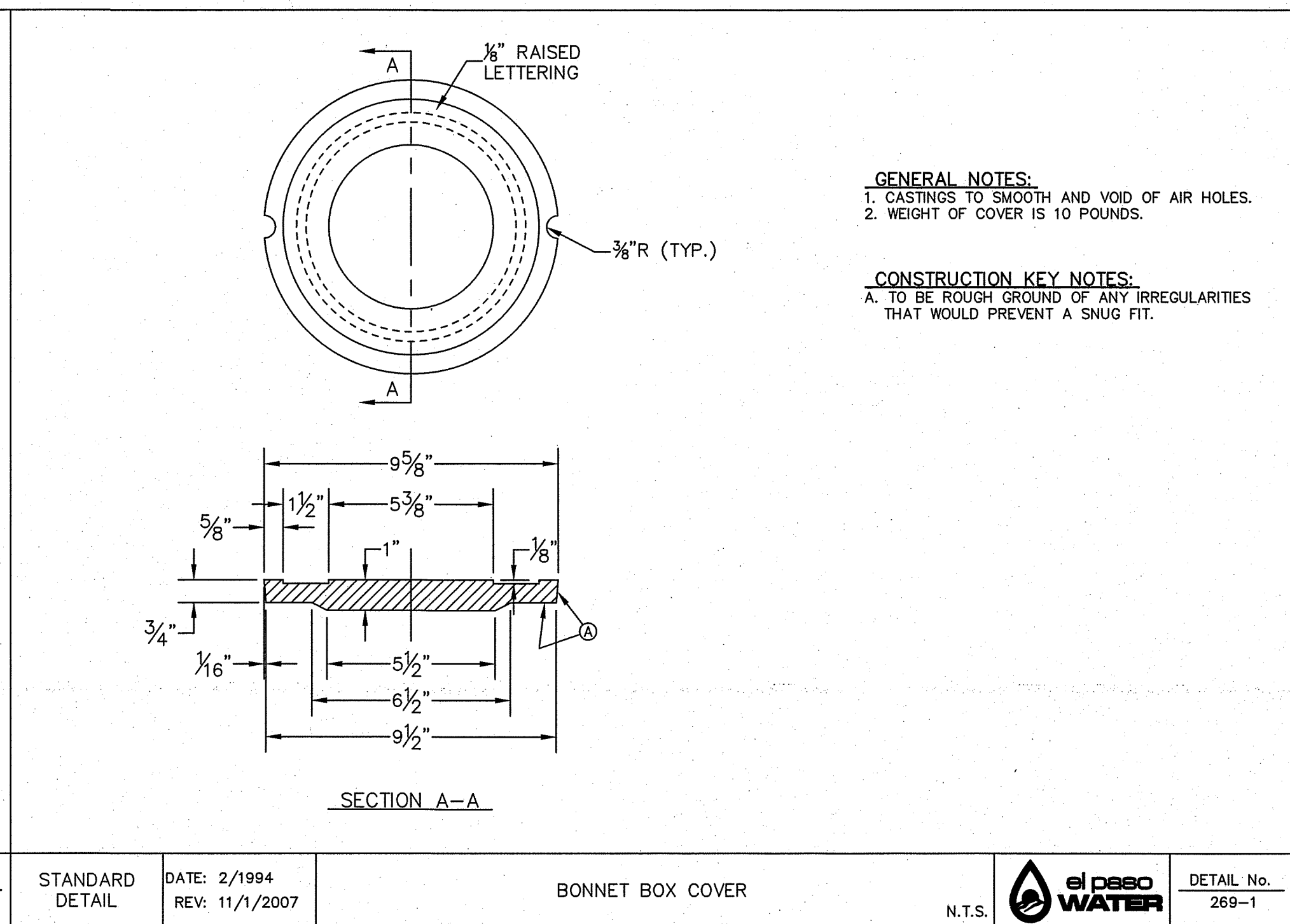
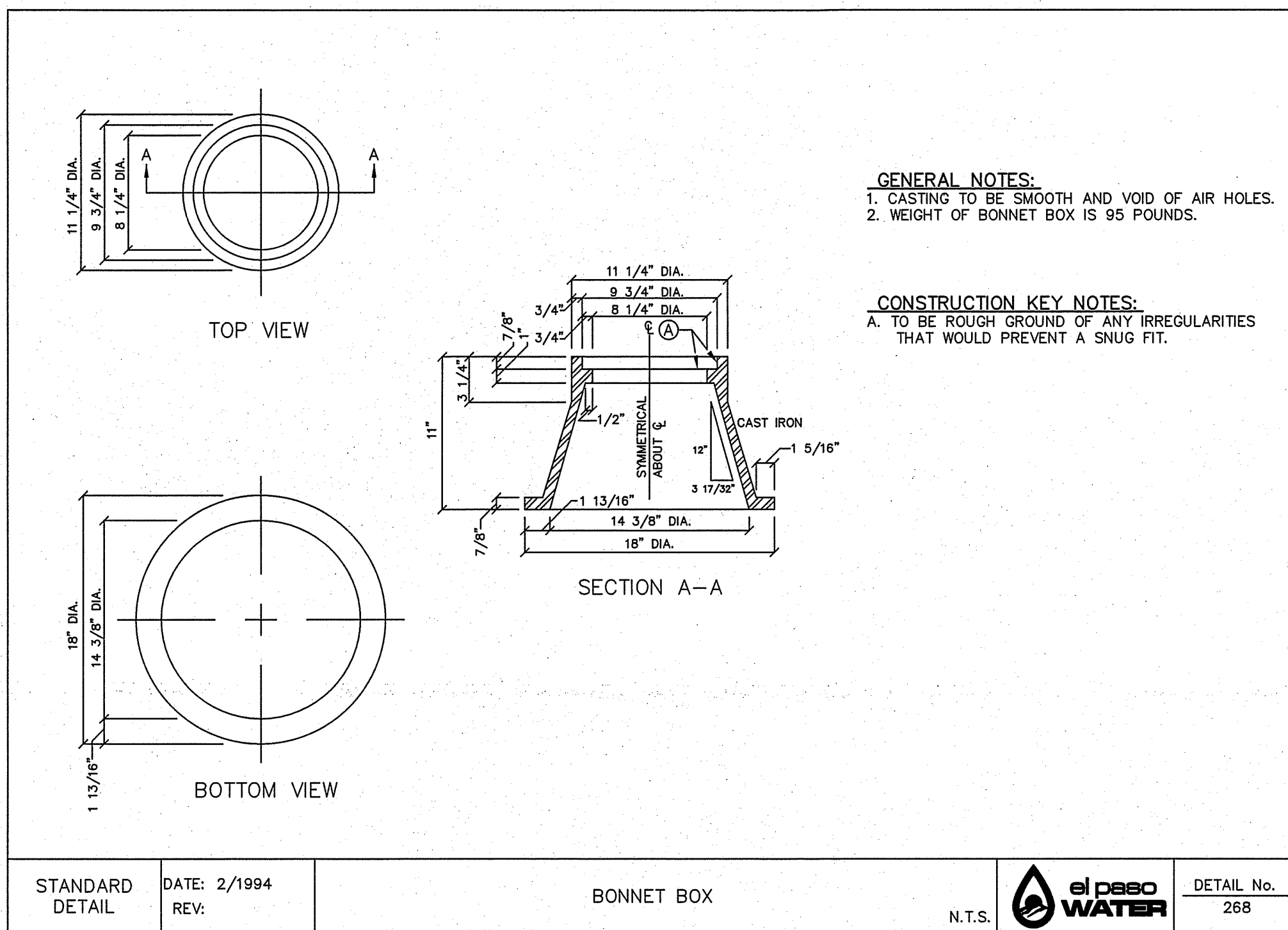
VISTA DEL NORTE UNIT TWO SUBDIVISION
 EL PASO COUNTY, TEXAS

WATER DETAILS

DATE: NOVEMBER 2018
 SCALE: AS SHOWN
 JOB NO.:
 SHEET NO.: SHT. 11 OF 13

THE CITY OF EL PASO, TEXAS

Oscar Villalobos 03/11/2022
 BY DATE



THE CITY OF EL PASO TEXAS

Oscar Villalobos 03/11/2022
 BY _____ DATE _____

12/1/21

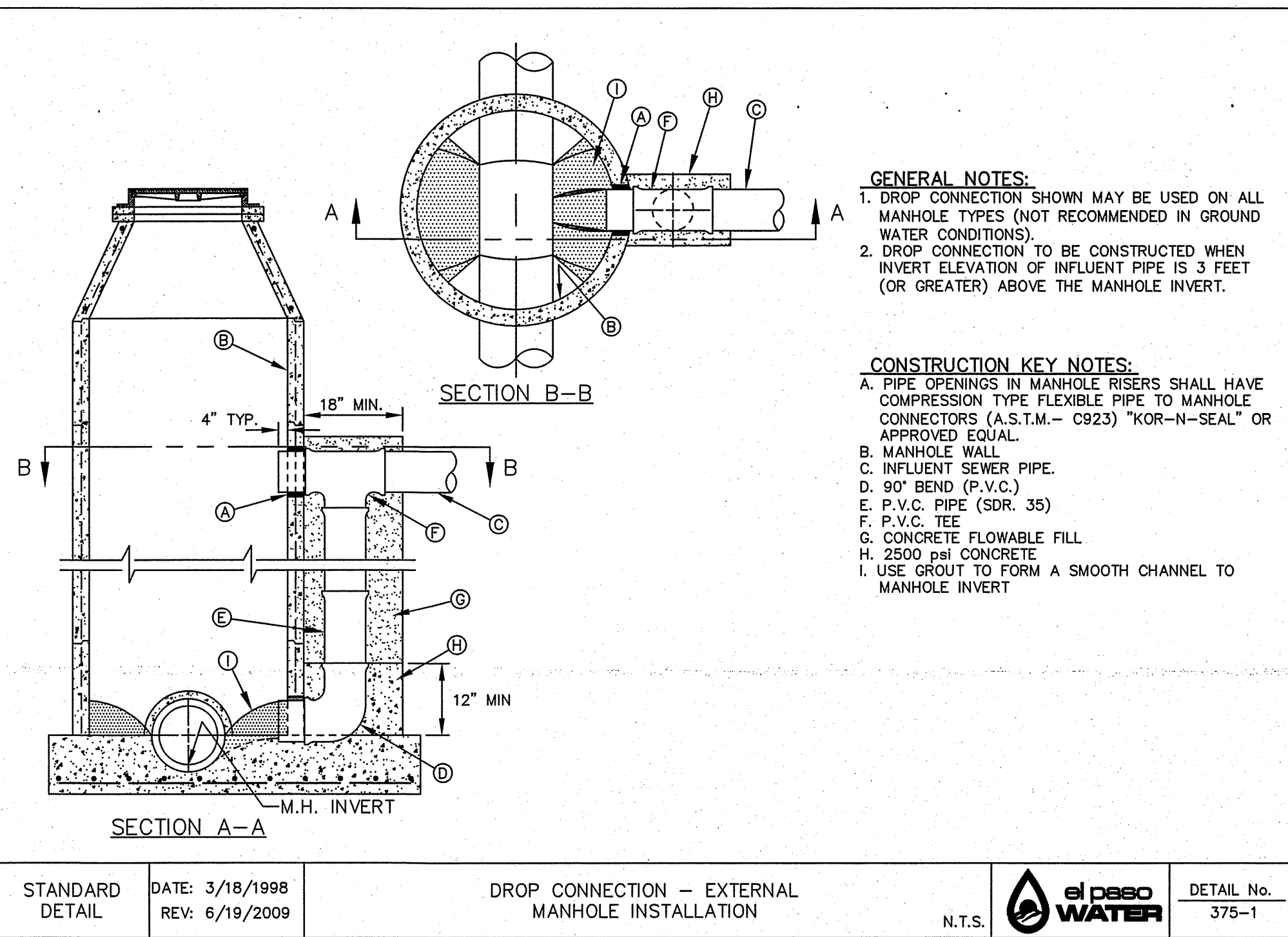
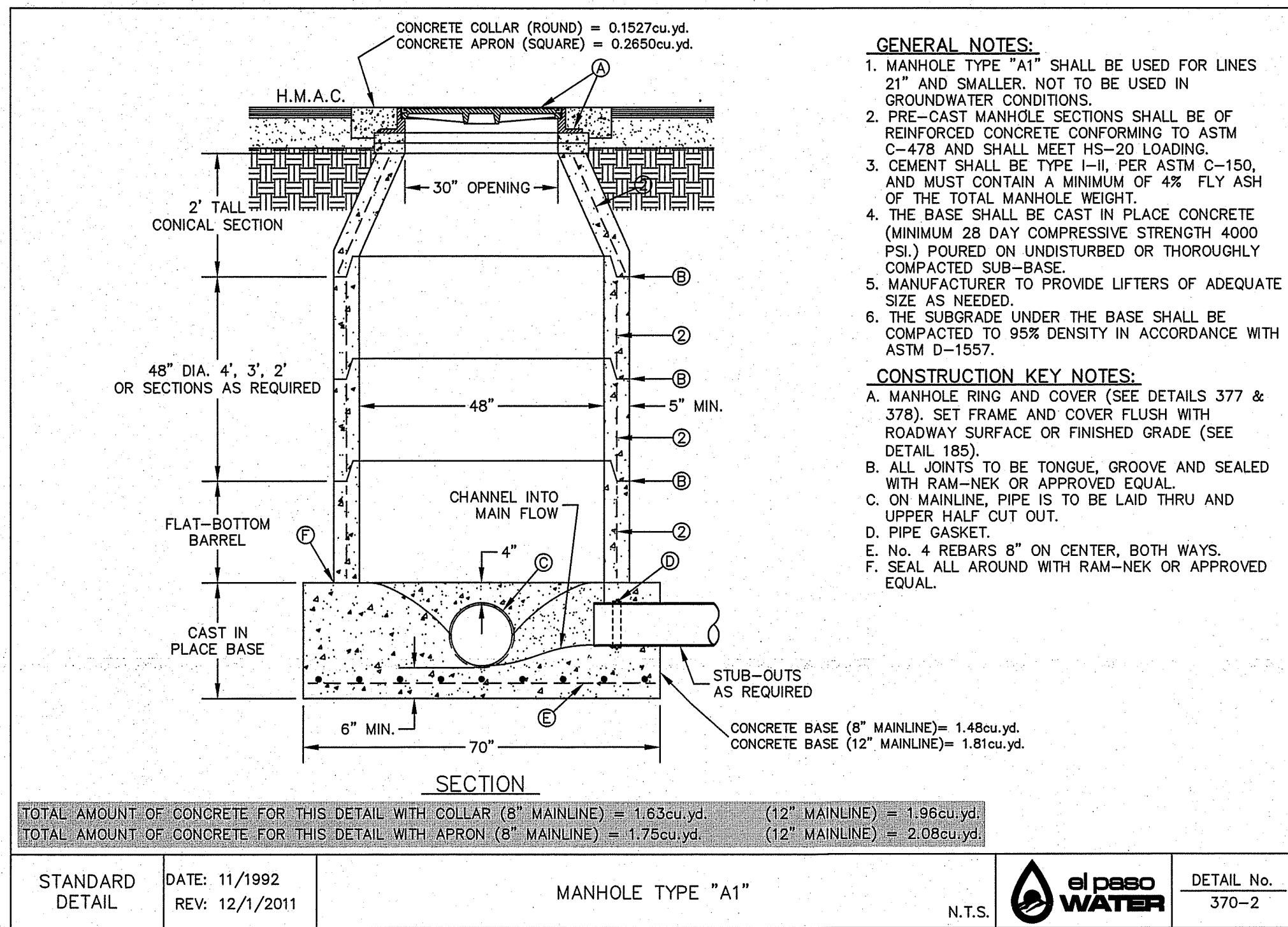
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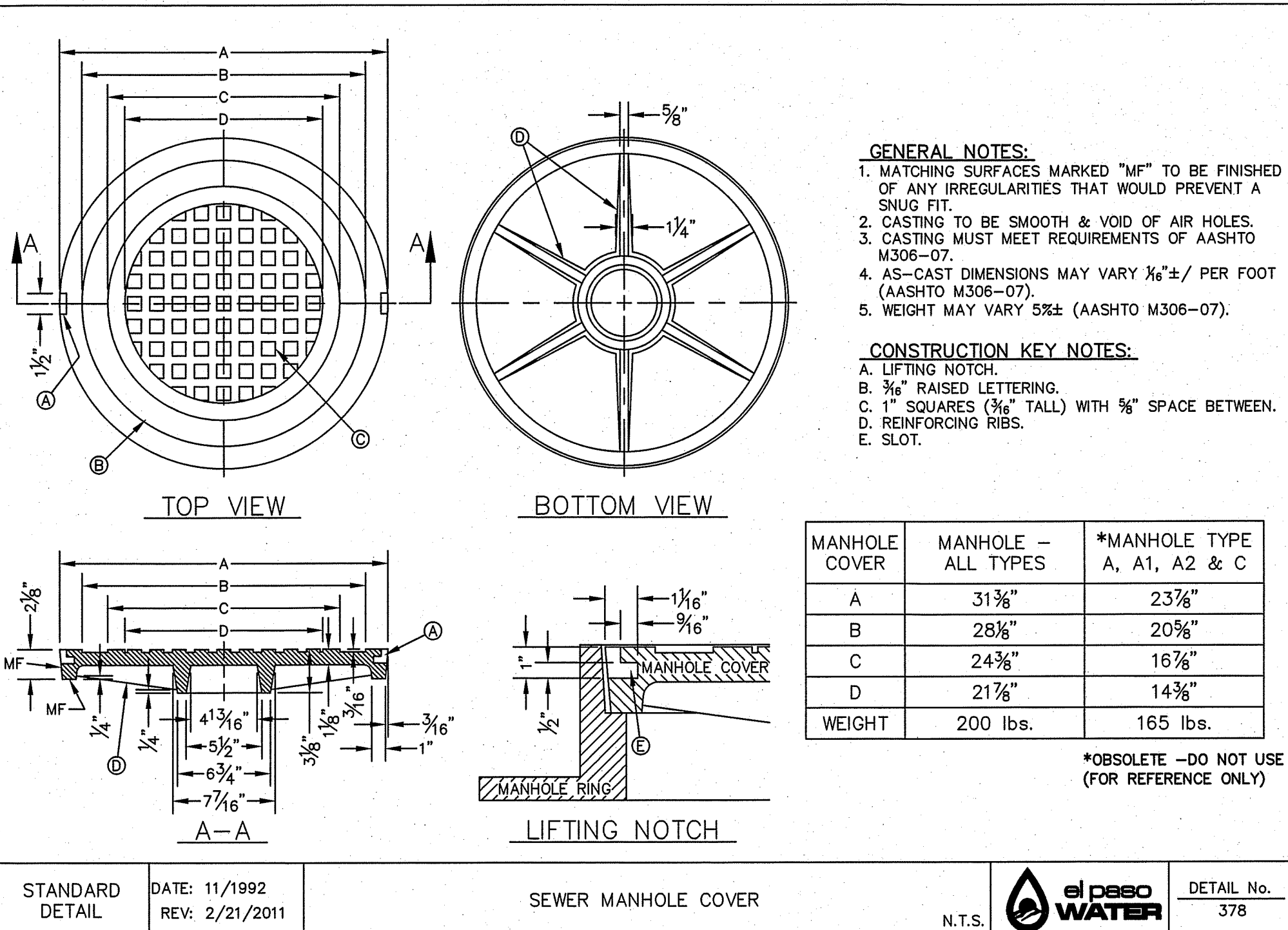
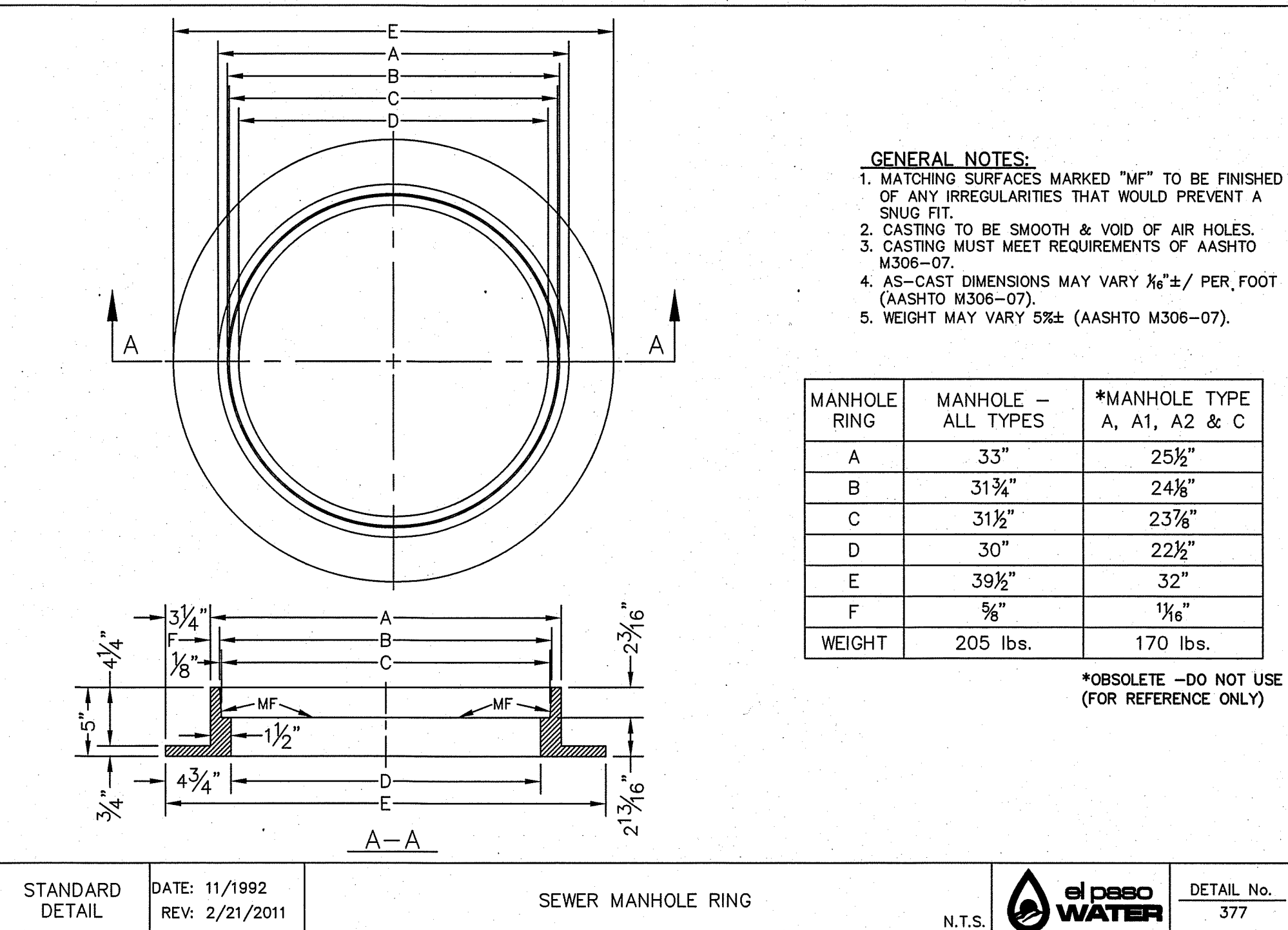
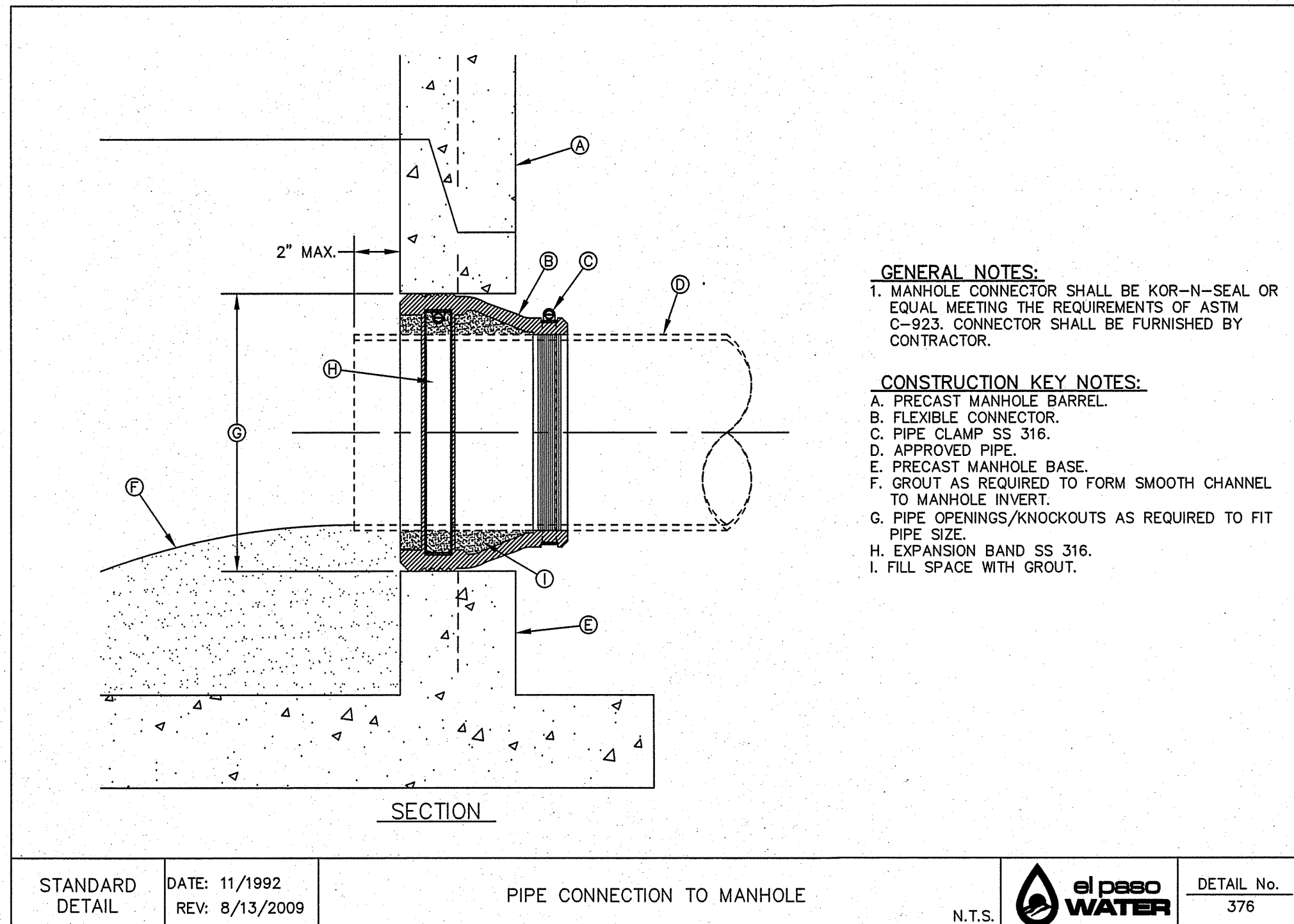
EL PASO COUNTY, TEXAS

WATER DETAILS

DATE: NOVEMBER 2018
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SHT. 12 OF 13



Oscar Villalobos 03/11/2022
 BY DATE



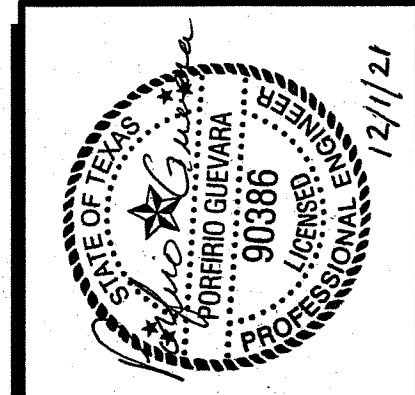
STANDARD DETAIL DATE: 11/1992 REV: 8/13/2009 MANHOLE TYPE "A1" N.T.S. el paso WATER DETAIL No. 370-2

STANDARD DETAIL DATE: 3/18/1998 REV: 6/19/2009 DROP CONNECTION - EXTERNAL MANHOLE INSTALLATION N.T.S. el paso WATER DETAIL No. 375-1

STANDARD DETAIL DATE: 11/1992 REV: 2/21/2011 PIPE CONNECTION TO MANHOLE N.T.S. el paso WATER DETAIL No. 376

STANDARD DETAIL DATE: 11/1992 REV: 2/21/2011 SEWER MANHOLE RING N.T.S. el paso WATER DETAIL No. 377

STANDARD DETAIL DATE: 11/1992 REV: 2/21/2011 SEWER MANHOLE COVER N.T.S. el paso WATER DETAIL No. 378



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 EL PASO COUNTY, TEXAS

SEWER DETAILS

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SHT. 13 OF 13