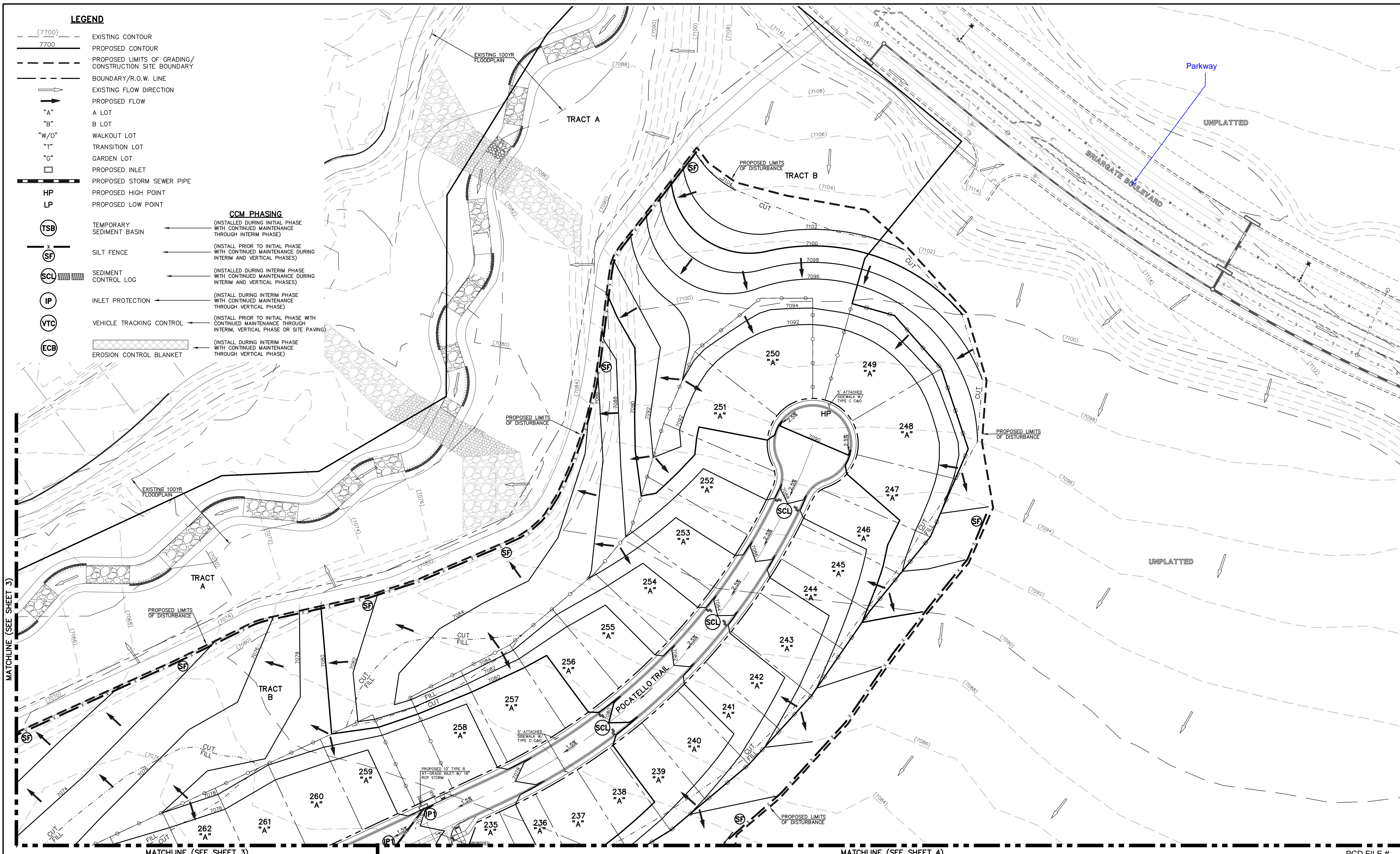


LEGEND

- (7700) --- EXISTING CONTOUR
- 7700 --- PROPOSED CONTOUR
- - - - - PROPOSED LIMITS OF GRADING/
CONSTRUCTION SITE BOUNDARY
- BOUNDARY/R.O.W. LINE
- EXISTING FLOW DIRECTION
- PROPOSED FLOW
- "A" A LOT
- "B" B LOT
- "W/O" WALKOUT LOT
- "T" TRANSITION LOT
- "G" GARDEN LOT
- PROPOSED INLET
- PROPOSED STORM SEWER PIPE
- HP PROPOSED HIGH POINT
- LP PROPOSED LOW POINT

CCM PHASING

- (TSB) TEMPORARY SEDIMENT BASIN (INSTALL DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
- (SF) SILT FENCE (INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
- (SCL) SEDIMENT CONTROL LOG (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
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- (VTC) VEHICLE TRACKING CONTROL (INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM, VERTICAL PHASE OR SITE PAVING)
- (ECB) EROSION CONTROL BLANKET (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)

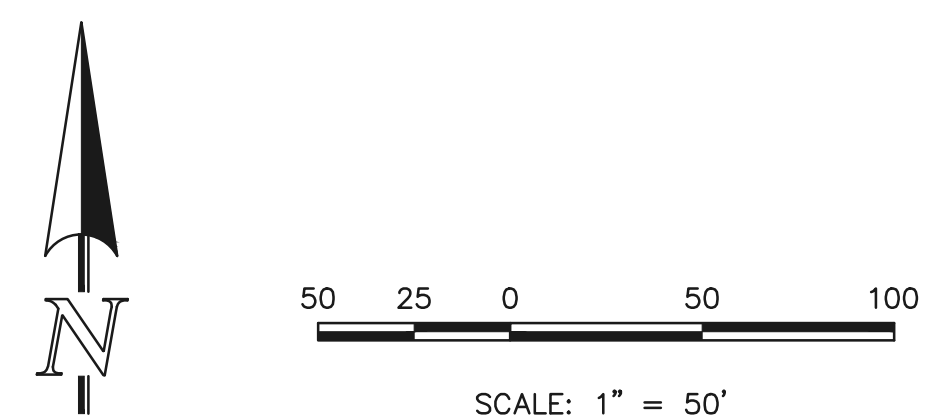


MATCHLINE (SEE SHEET 3)

MATCHLINE (SEE SHEET 3)

MATCHLINE (SEE SHEET 4)

PCD FILE #



NOTES:
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| NO. | REVISION | DATE |
|-----|----------|------|
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| | | |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

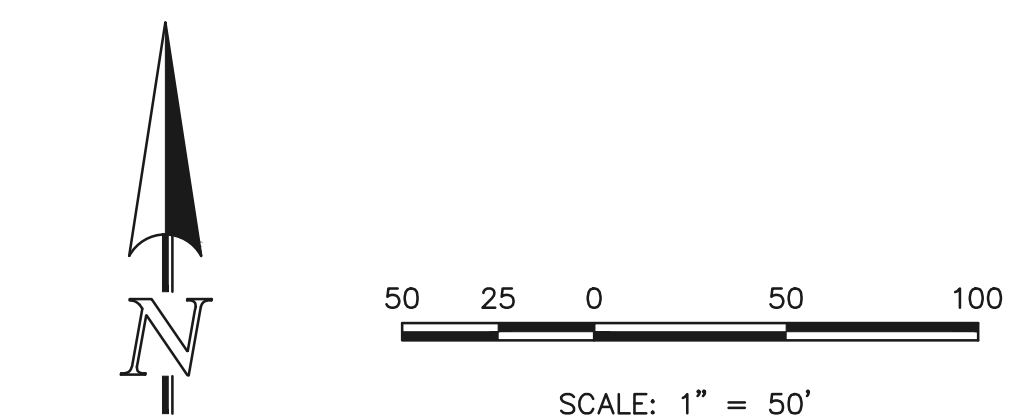
| | | | |
|--|--------------|--------------|---------------|
| STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS GRADING AND EROSION CONTROL PLAN | | | |
| DESIGNED BY | MES | SCALE | DATE 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET 2 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 |

CLASSIC CONSULTING

- (7700) --- EXISTING CONTOUR
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- - - - - PROPOSED LIMITS OF GRADING/
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- LEGEND**
- (TSB) TEMPORARY SEDIMENT BASIN
 - (SF) SILT FENCE
 - (SCL) SEDIMENT CONTROL LOG
 - (IP) INLET PROTECTION
 - (VTC) VEHICLE TRACKING CONTROL
 - (ECB) EROSION CONTROL BLANKET

- CCM PHASING**
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NOTES:
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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

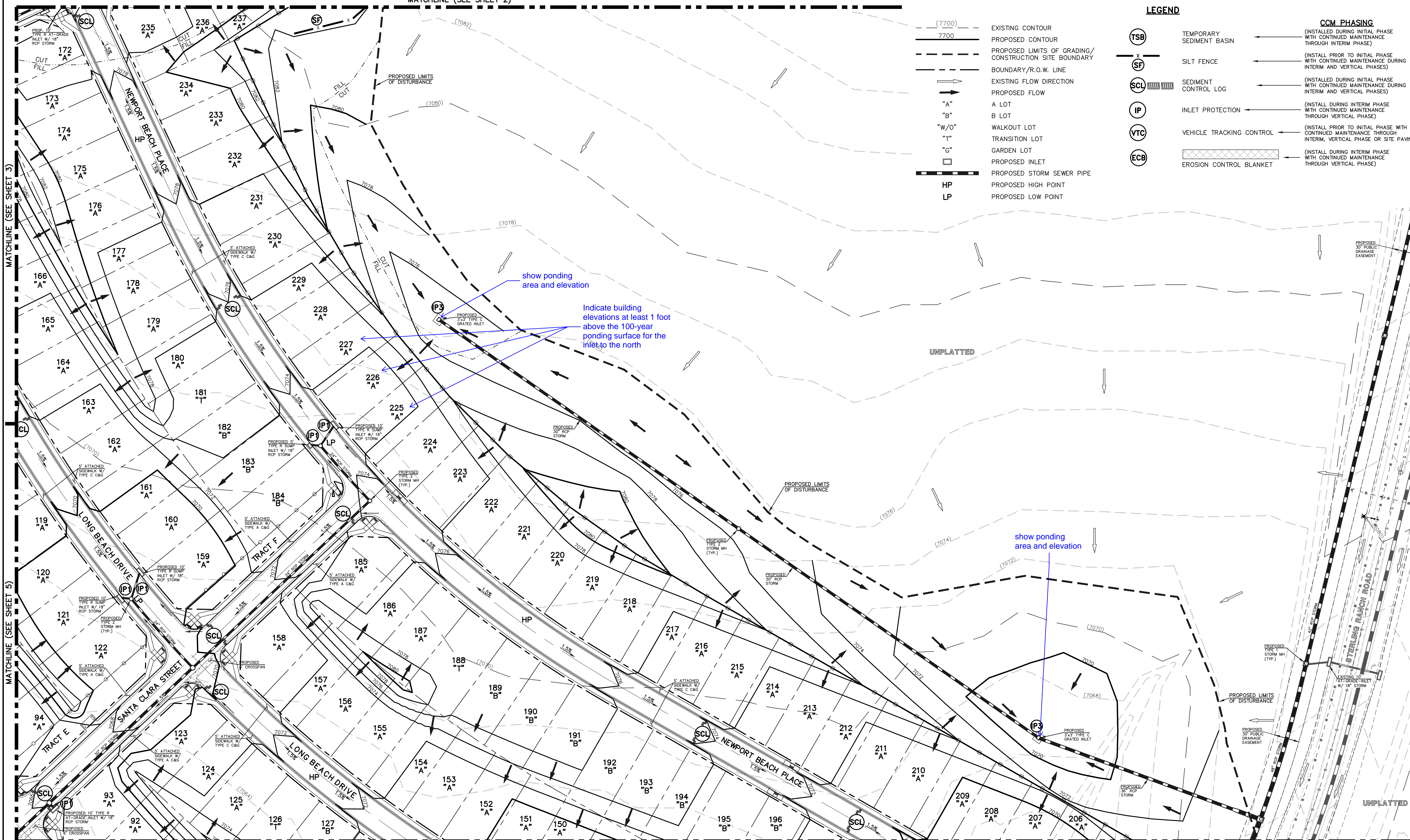
STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
GRADING AND EROSION CONTROL PLAN

DESIGNED BY MES SCALE DATE 08/31/22
DRAWN BY MES (H) 1" = 50' SHEET 3 OF 53
CHECKED BY (V) 1" = N/A JOB NO. 1183.30

PCD FILE #

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MATCHLINE (SEE SHEET 2)



- (7700) --- EXISTING CONTOUR
- 7700 --- PROPOSED CONTOUR
- - - - PROPOSED LIMITS OF GRADING/
CONSTRUCTION SITE BOUNDARY
- — — — BOUNDARY/R.O.W. LINE
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LEGEND

- (TSB) TEMPORARY SEDIMENT BASIN
 - (SF) SILT FENCE
 - (SCL) SEDIMENT CONTROL LOG
 - (IP) INLET PROTECTION
 - (VTC) VEHICLE TRACKING CONTROL
 - (ECB) EROSION CONTROL BLANKET
- CCM PHASING**
- ← (INSTALL DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
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 - ← (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)

show ponding area and elevation

Indicate building elevations at least 1 foot above the 100-year ponding surface for the inlet to the north

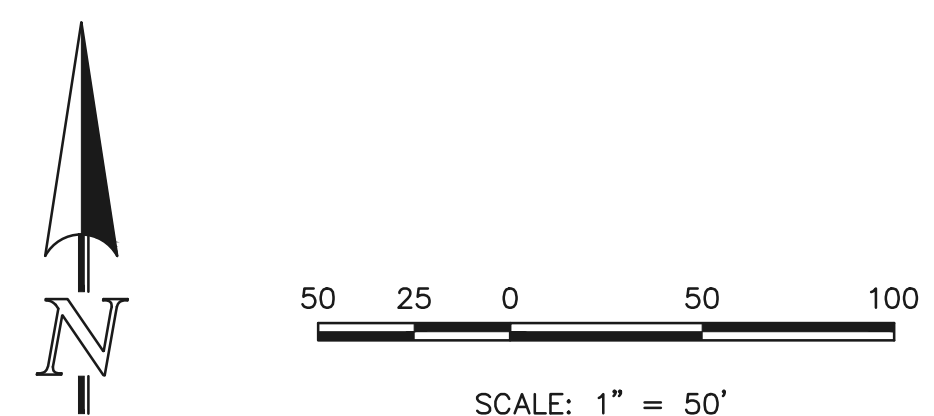
show ponding area and elevation

MATCHLINE (SEE SHEET 3)

MATCHLINE (SEE SHEET 5)

MATCHLINE (SEE SHEET 6)

PCD FILE #



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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
GRADING AND EROSION CONTROL PLAN

DESIGNED BY: MES SCALE: DATE: 08/31/22
DRAWN BY: MES (H) 1" = 50' SHEET 4 OF 53
CHECKED BY: (V) 1" = N/A JOB NO. 1183.30



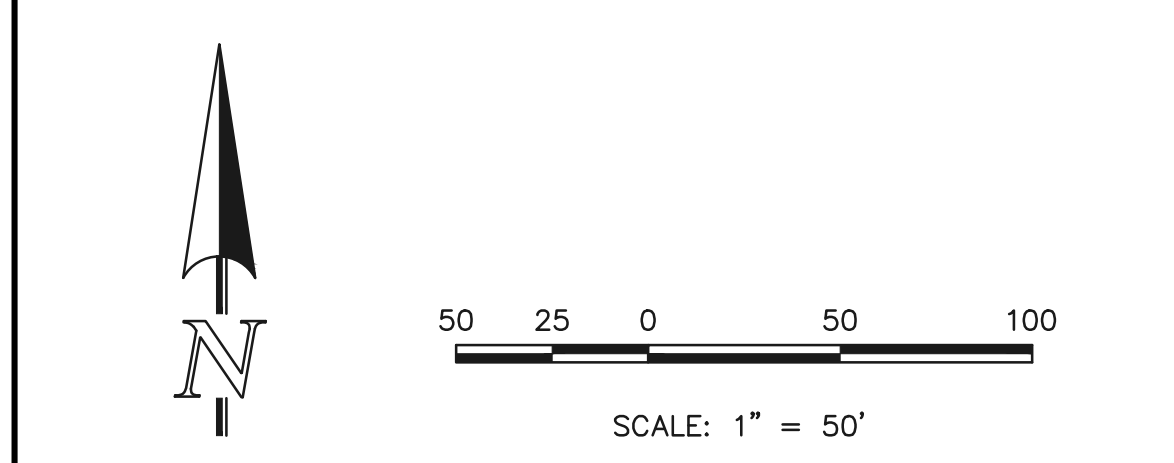
LEGEND

- (7700) --- EXISTING CONTOUR
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- PROPOSED LIMITS OF GRADING/
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- (SCL) SEDIMENT CONTROL LOG (INSTALL DURING INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
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- (ECB) EROSION CONTROL BLANKET (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)

Label adjacent filing



NOTES:
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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
GRADING AND EROSION CONTROL PLAN

DESIGNED BY: MES SCALE: DATE: 08/31/22

DRAWN BY: MES (H) 1" = 50' SHEET 5 OF 53

CHECKED BY: (V) 1" = N/A JOB NO. 1183.30

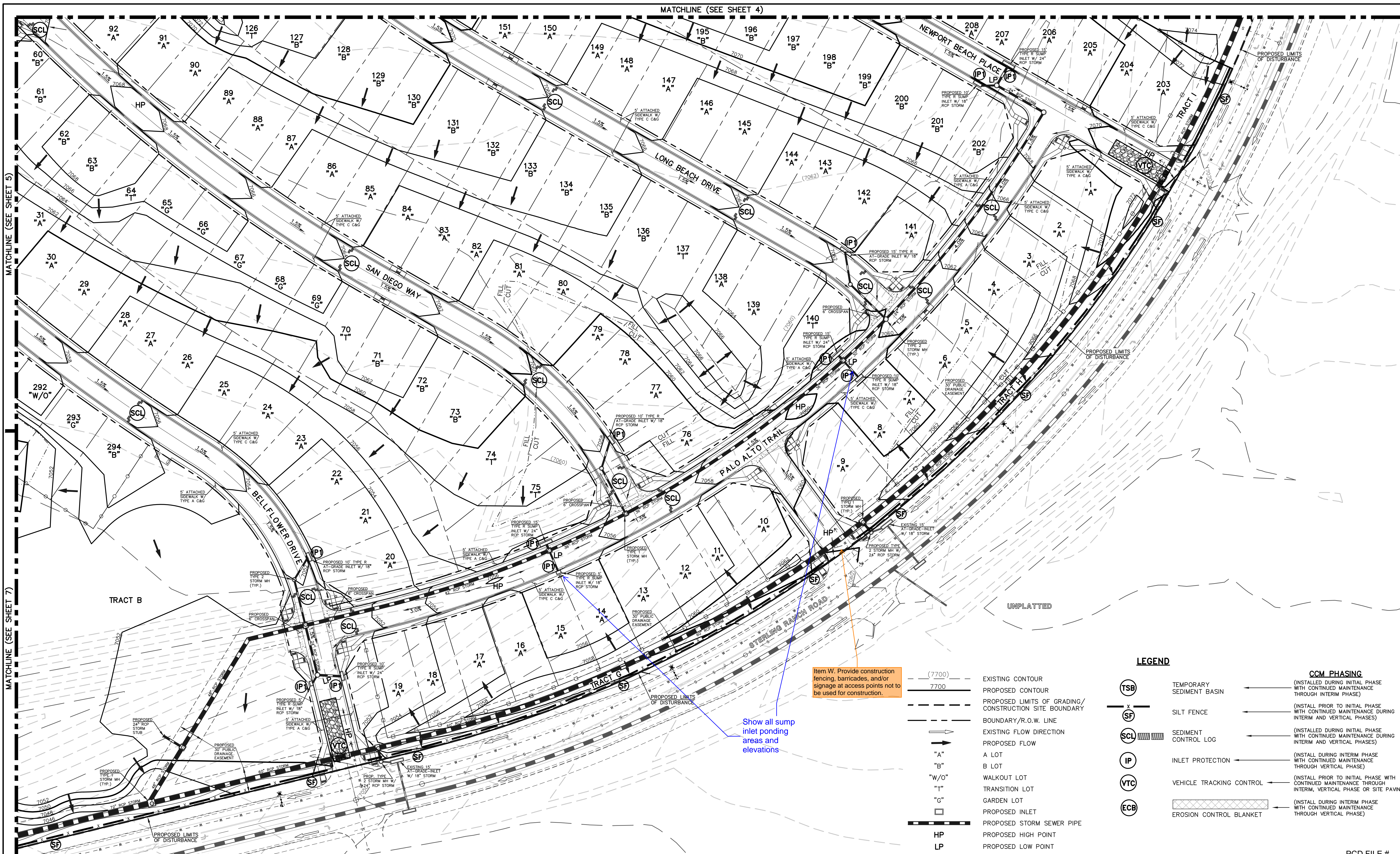
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MATCHLINE (SEE SHEET 4)

MATCHLINE (SEE SHEET 5)

MATCHLINE (SEE SHEET 7)



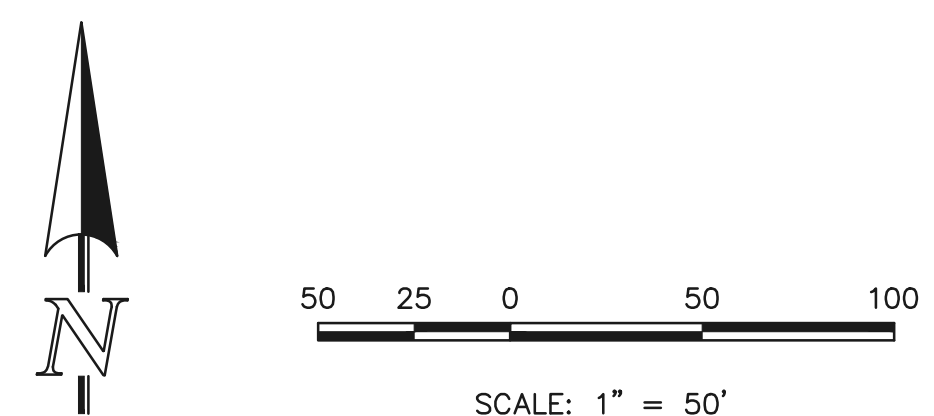
Item W. Provide construction fencing, barricades, and/or signage at access points not to be used for construction.

Show all sump inlet ponding areas and elevations

LEGEND

- | | | | | |
|--------|--|-------|--------------------------|--|
| (7700) | EXISTING CONTOUR | (TSB) | TEMPORARY SEDIMENT BASIN | (INSTALL DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE) |
| 7700 | PROPOSED CONTOUR | (SF) | SILT FENCE | (INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES) |
| --- | PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY | (SCL) | SEDIMENT CONTROL LOG | (INSTALL DURING INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES) |
| --- | BOUNDARY/R.O.W. LINE | (IP) | INLET PROTECTION | (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE) |
| → | EXISTING FLOW DIRECTION | (VTC) | VEHICLE TRACKING CONTROL | (INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM, VERTICAL PHASE OR SITE PAVING) |
| → | PROPOSED FLOW | (ECB) | EROSION CONTROL BLANKET | (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE) |
| "A" | A LOT | | | |
| "B" | B LOT | | | |
| "W/O" | WALKOUT LOT | | | |
| "T" | TRANSITION LOT | | | |
| "G" | GARDEN LOT | | | |
| □ | PROPOSED INLET | | | |
| --- | PROPOSED STORM SEWER PIPE | | | |
| HP | PROPOSED HIGH POINT | | | |
| LP | PROPOSED LOW POINT | | | |

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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



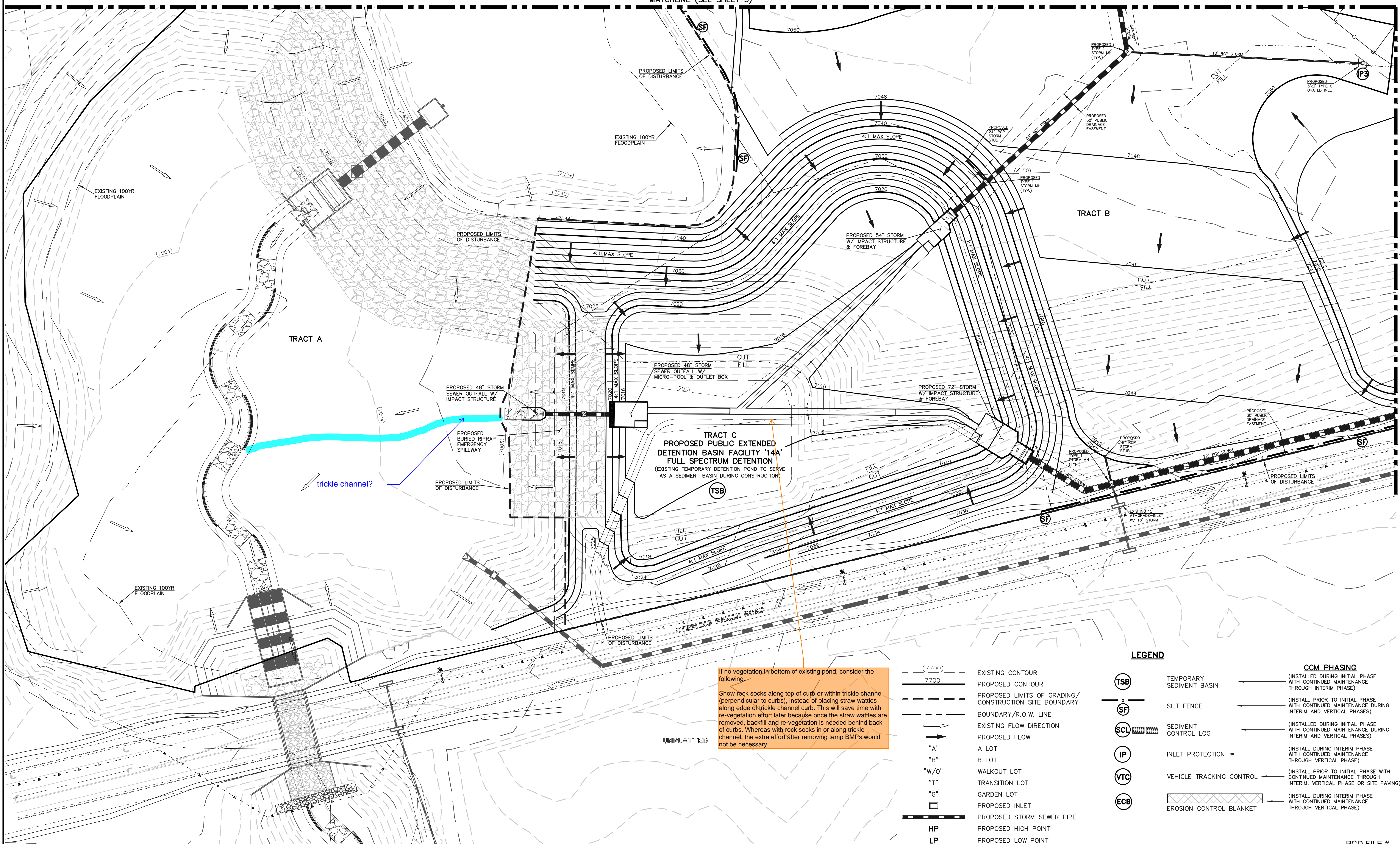
STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
GRADING AND EROSION CONTROL PLAN

DESIGNED BY MES SCALE DATE 08/31/22
DRAWN BY MES (H) 1" = 50' SHEET 6 OF 53
CHECKED BY (V) 1" = N/A JOB NO. 1183.30

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MATCHLINE (SEE SHEET 5)

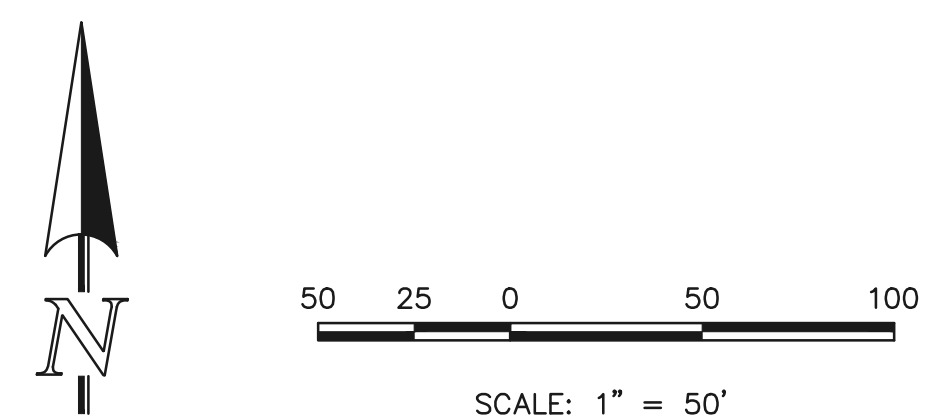
MATCHLINE (SEE SHEET 6)



If no vegetation in bottom of existing pond, consider the following:
 Show rock socks along top of curb or within trickle channel (perpendicular to curbs), instead of placing straw wattles along edge of trickle channel curb. This will save time with re-vegetation effort later because once the straw wattles are removed, backfill and re-vegetation is needed behind back of curbs. Whereas with rock socks in or along trickle channel, the extra effort after removing temp BMPs would not be necessary.

LEGEND

| | | | | | |
|--------|--|-------|--------------------------|-------------|--|
| (7700) | EXISTING CONTOUR | (TSB) | TEMPORARY SEDIMENT BASIN | CCM PHASING | (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE) |
| 7700 | PROPOSED CONTOUR | (SF) | SILT FENCE | | (INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES) |
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|--------------|------|---|
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| | | KYLE R. CAMPBELL, COLORADO P.E. #29794 |

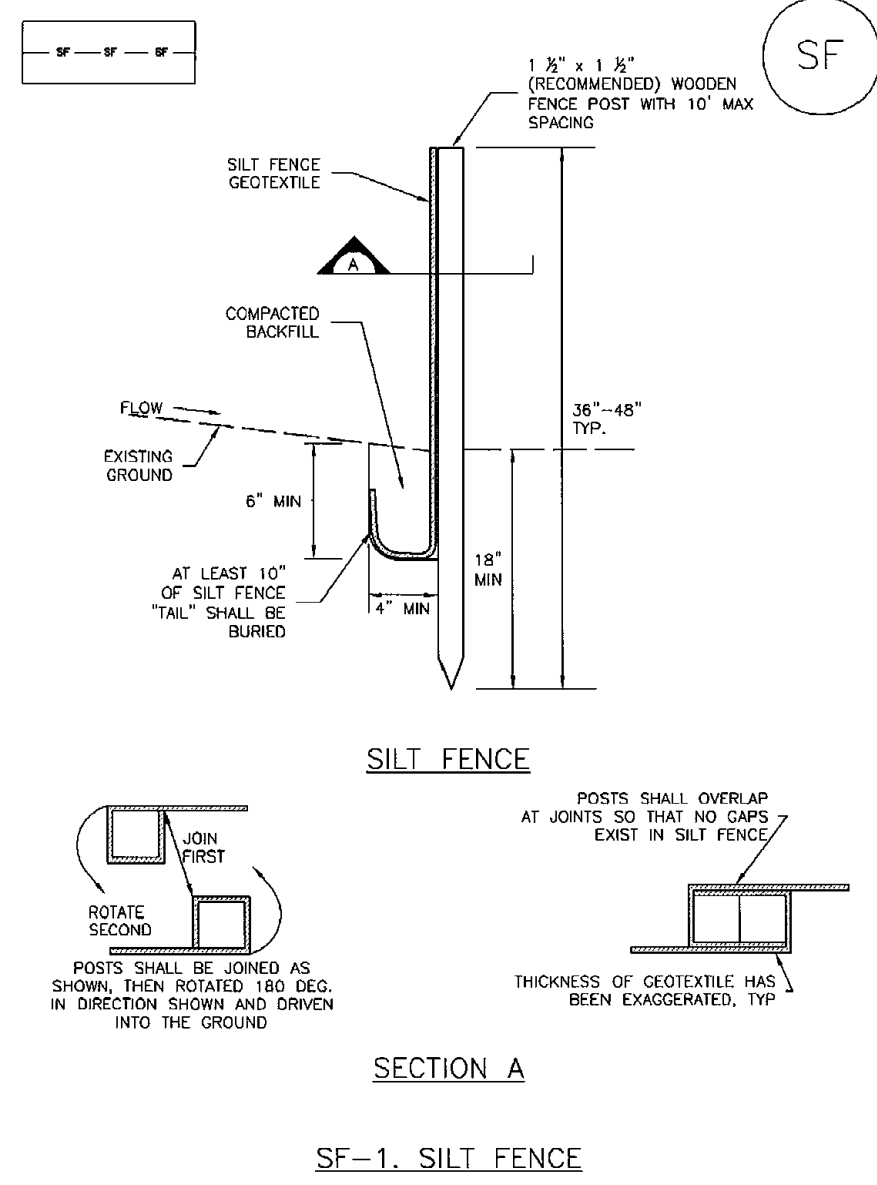
PCD FILE #
CLASSIC CONSULTING
 619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (fax)

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
 GRADING AND EROSION CONTROL PLAN

| | | | | |
|-------------|--------------|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 7 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 | |

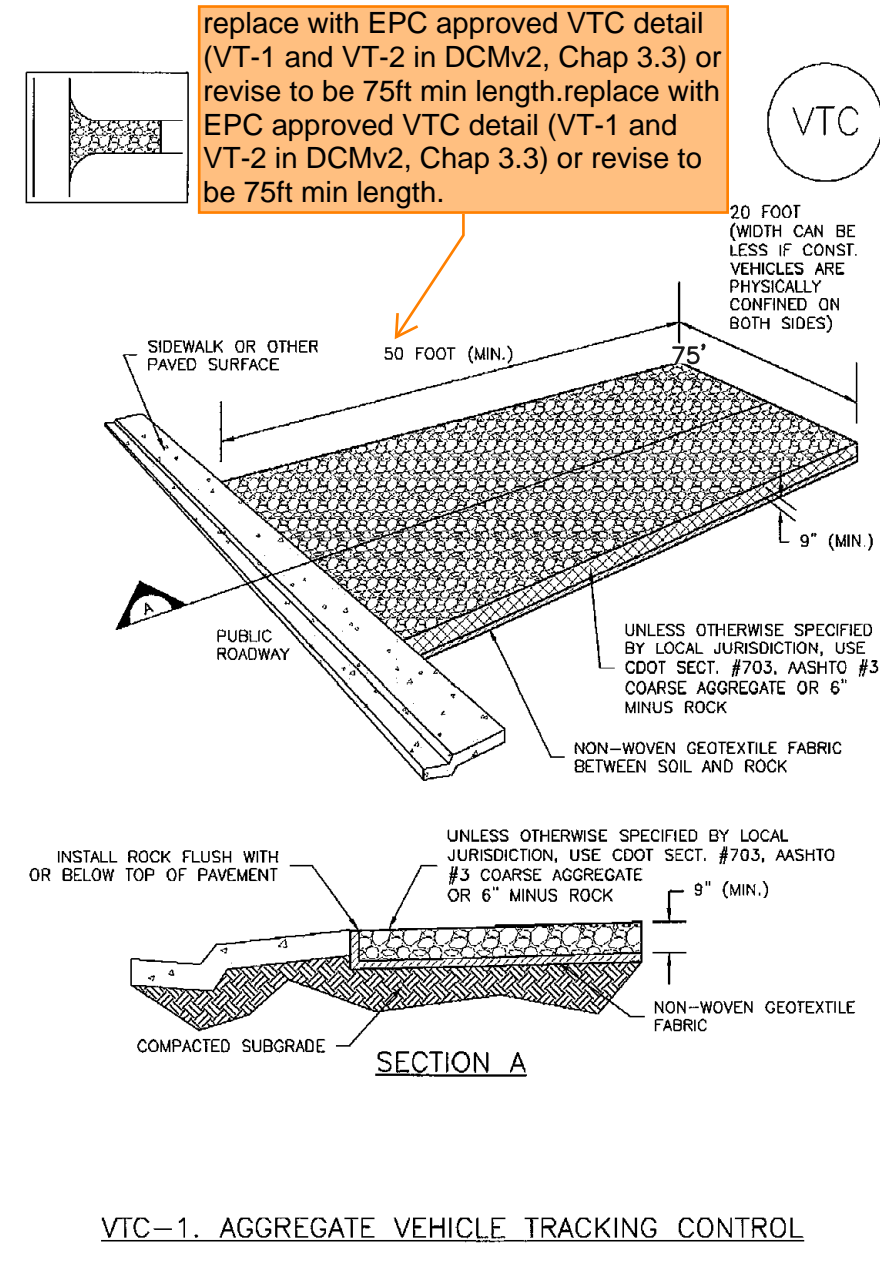
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Silt Fence (SF) SC-1



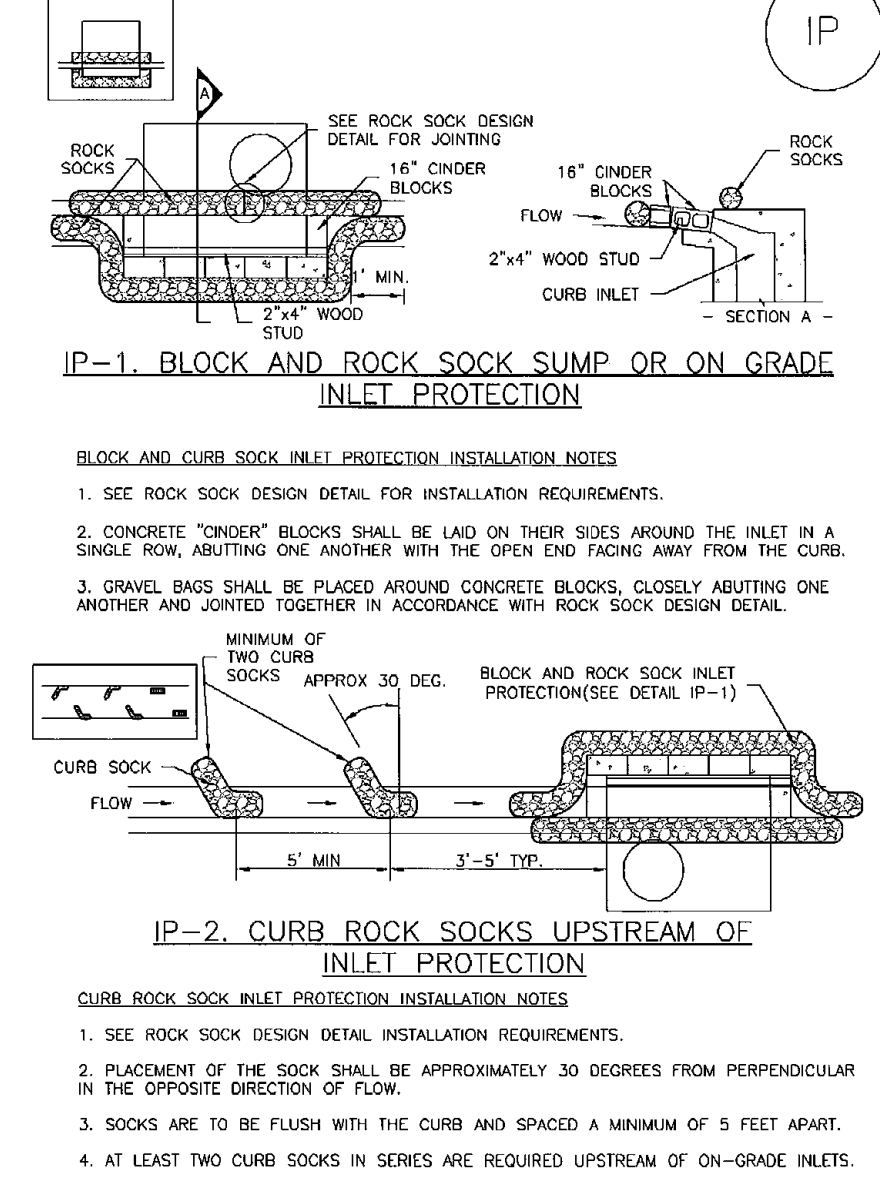
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

Vehicle Tracking Control (VTC) SM-4



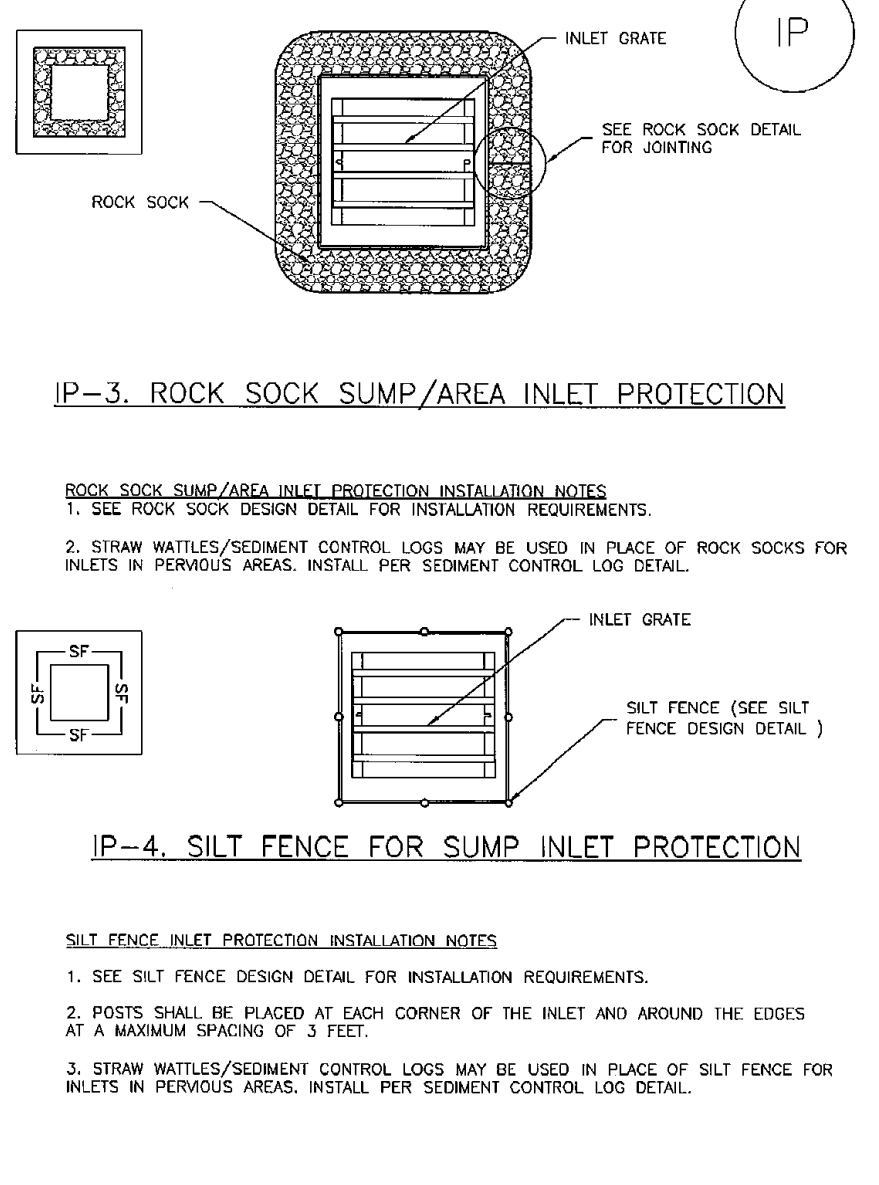
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

Inlet Protection (IP) SC-6



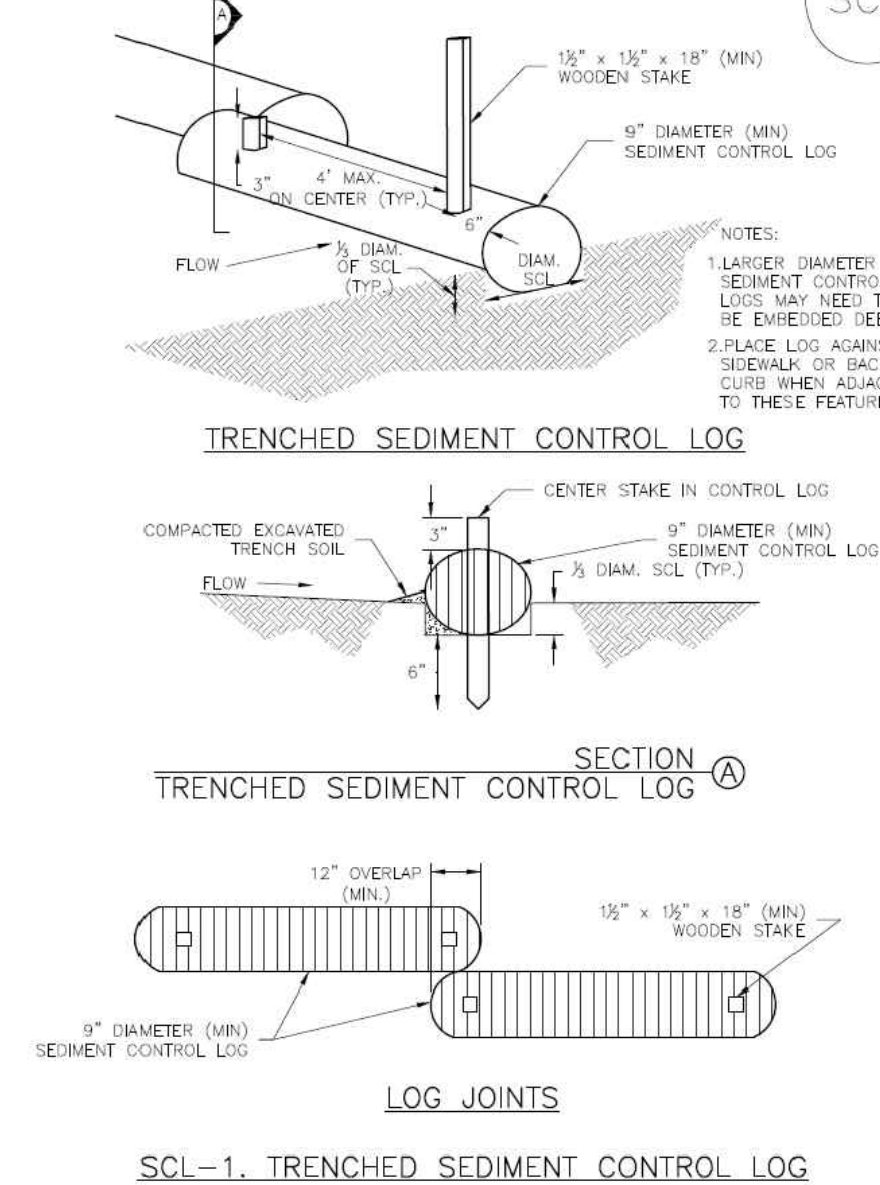
IP-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

Inlet Protection (IP) SC-6



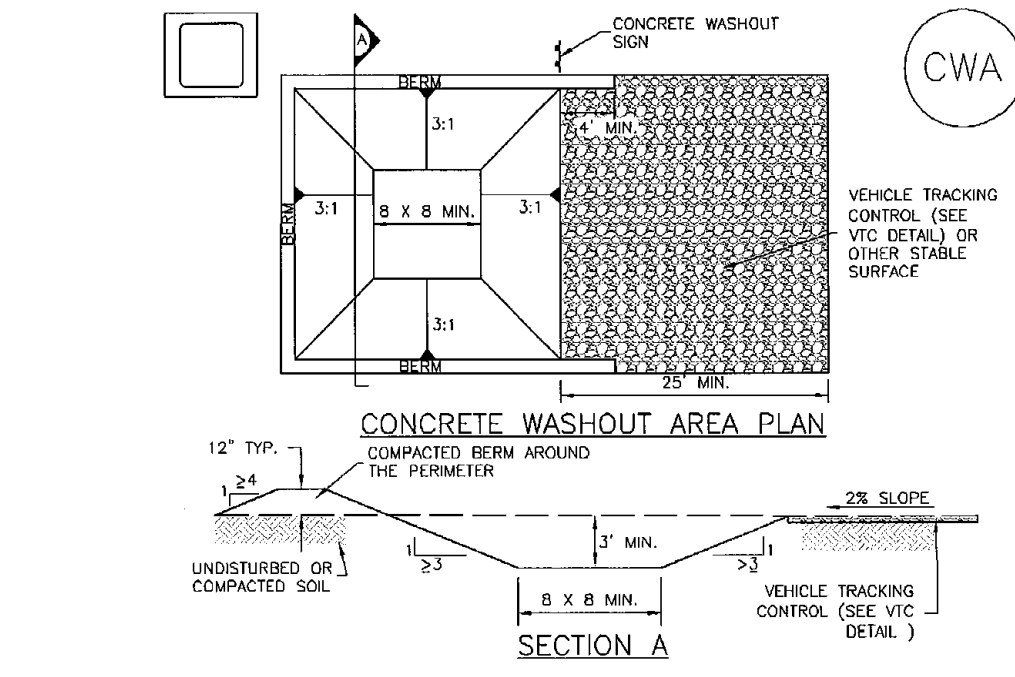
IP-3 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

Sediment Control Log (SCL) SC-2

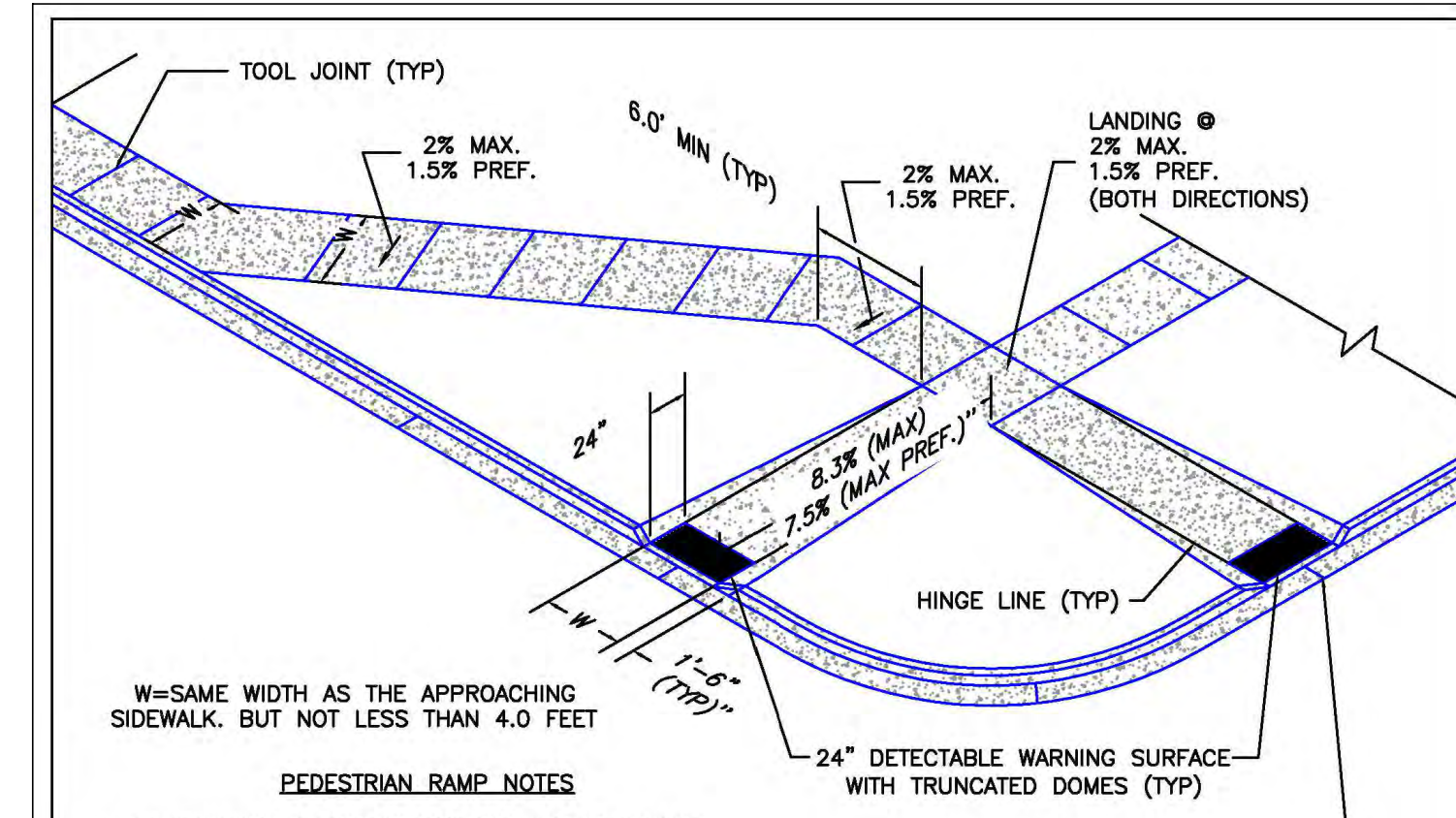


November 2015 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-3

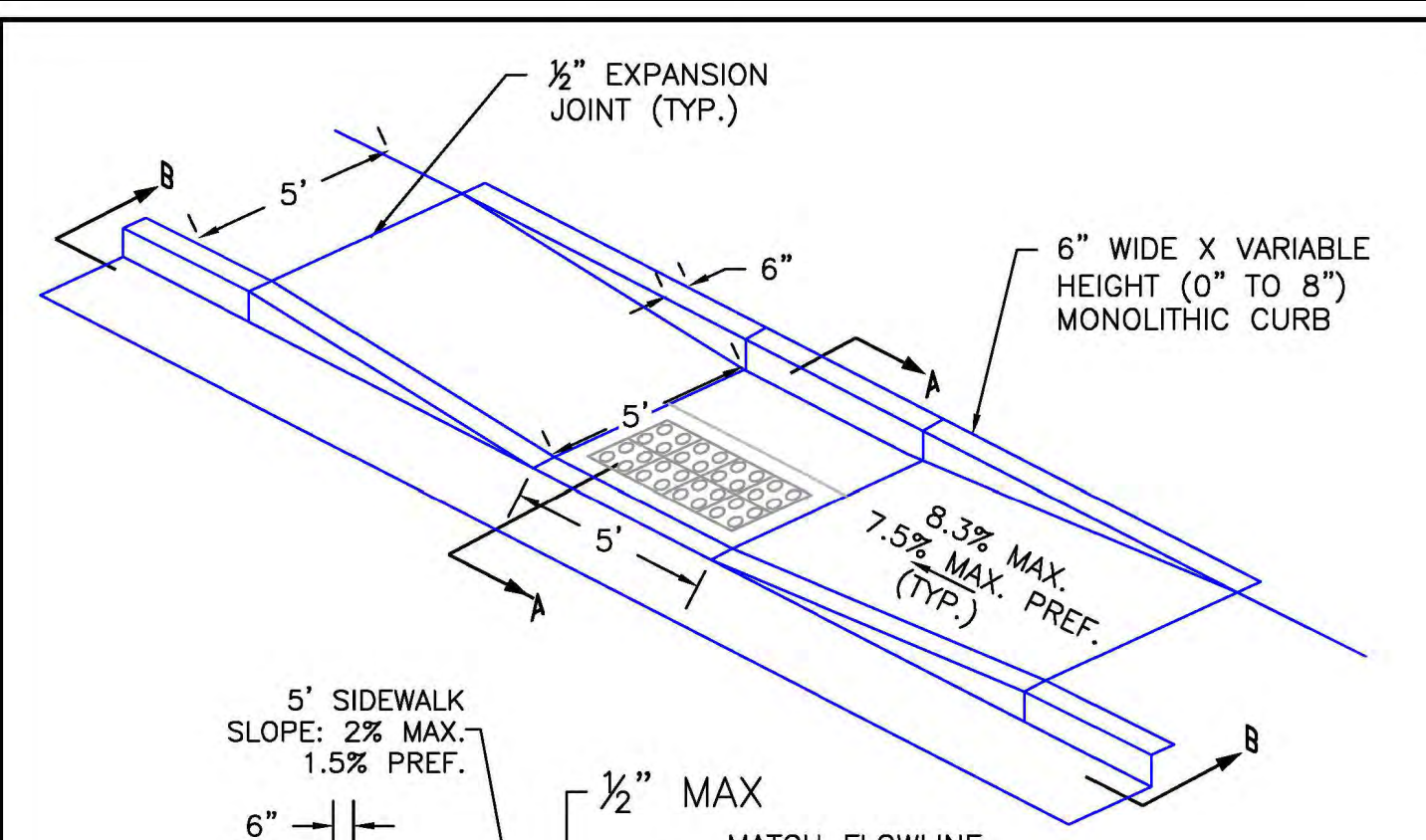
Concrete Washout Area (CWA) MM-1



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CWA-3

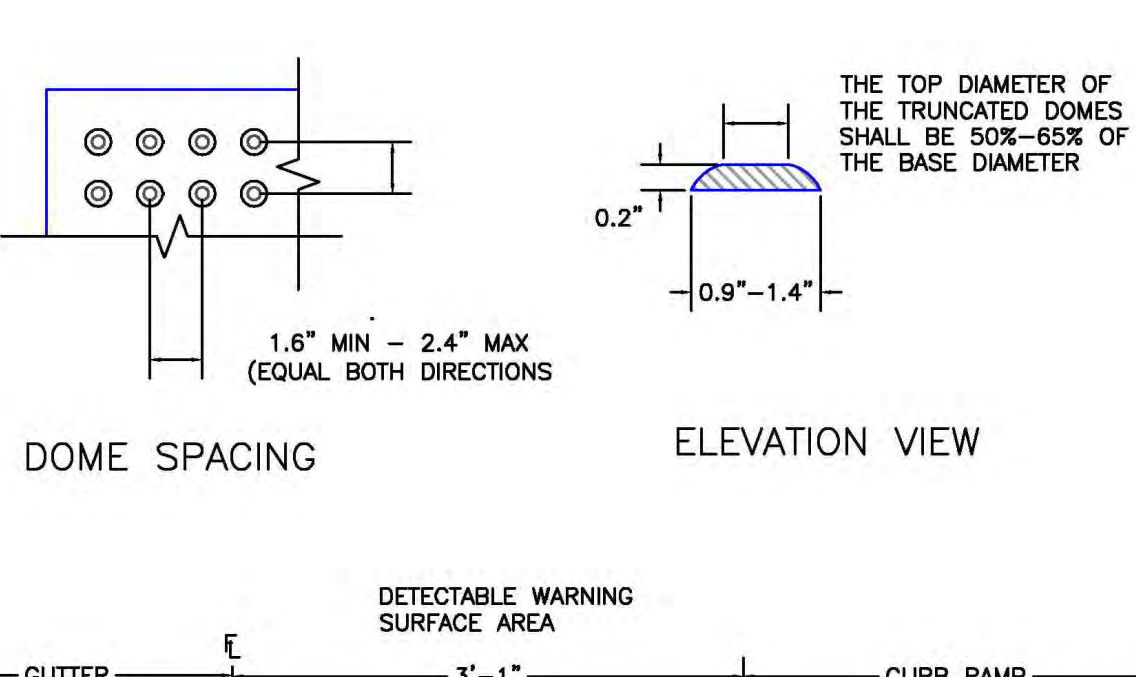


6/23/20 DATE APPROVED: Jennifer E. Irvine DEPARTMENT OF PUBLIC WORKS
 Pedestrian Curb Ramp Detail Standard Drawing
 REVISION DATE: 6/23/20 FILE NAME: SD_2-41



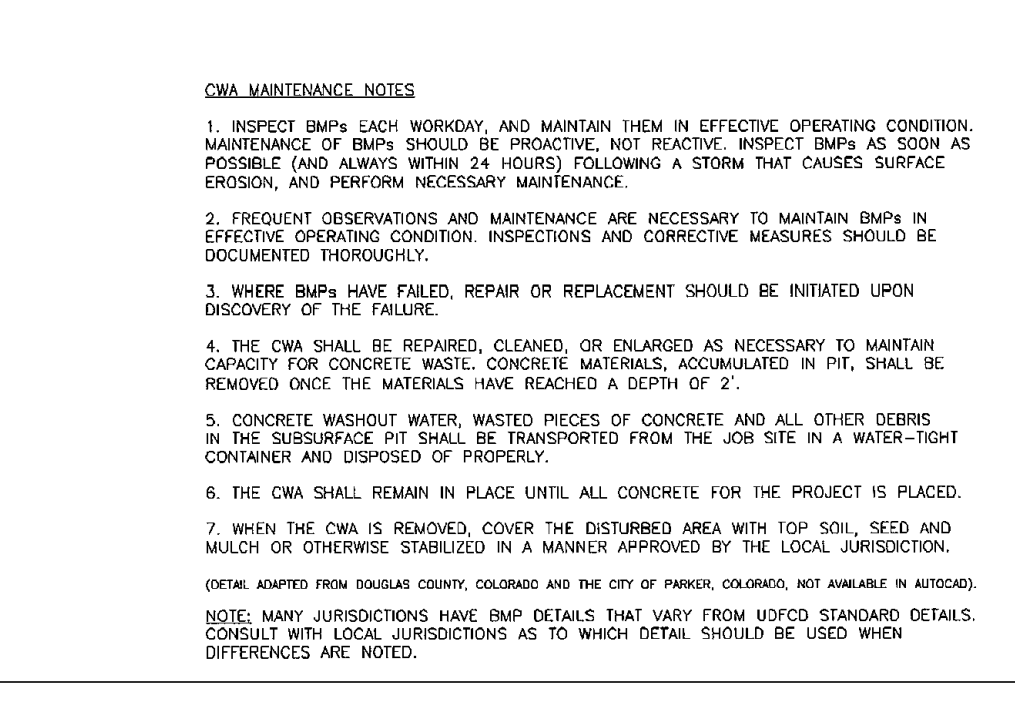
6/23/20 DATE APPROVED: Jennifer E. Irvine DEPARTMENT OF PUBLIC WORKS
 Parallel Pedestrian Curb Ramp Detail Standard Drawing
 REVISION DATE: 6/23/20 FILE NAME: SD_2-50

TRUNCATED DOME DETAILS



6/23/20 DATE APPROVED: Jennifer E. Irvine DEPARTMENT OF PUBLIC WORKS
 Detectable Warning Surface Details Standard Drawing
 REVISION DATE: 6/23/20 FILE NAME: SD_2-42

Concrete Washout Area (CWA) MM-1



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CWA-3

811
 UTILITY NOTIFICATION CENTER OF COLORADO
 IT'S THE LAW
 THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION | DATE | REVIEW: |
|-----|----------|------|---------|
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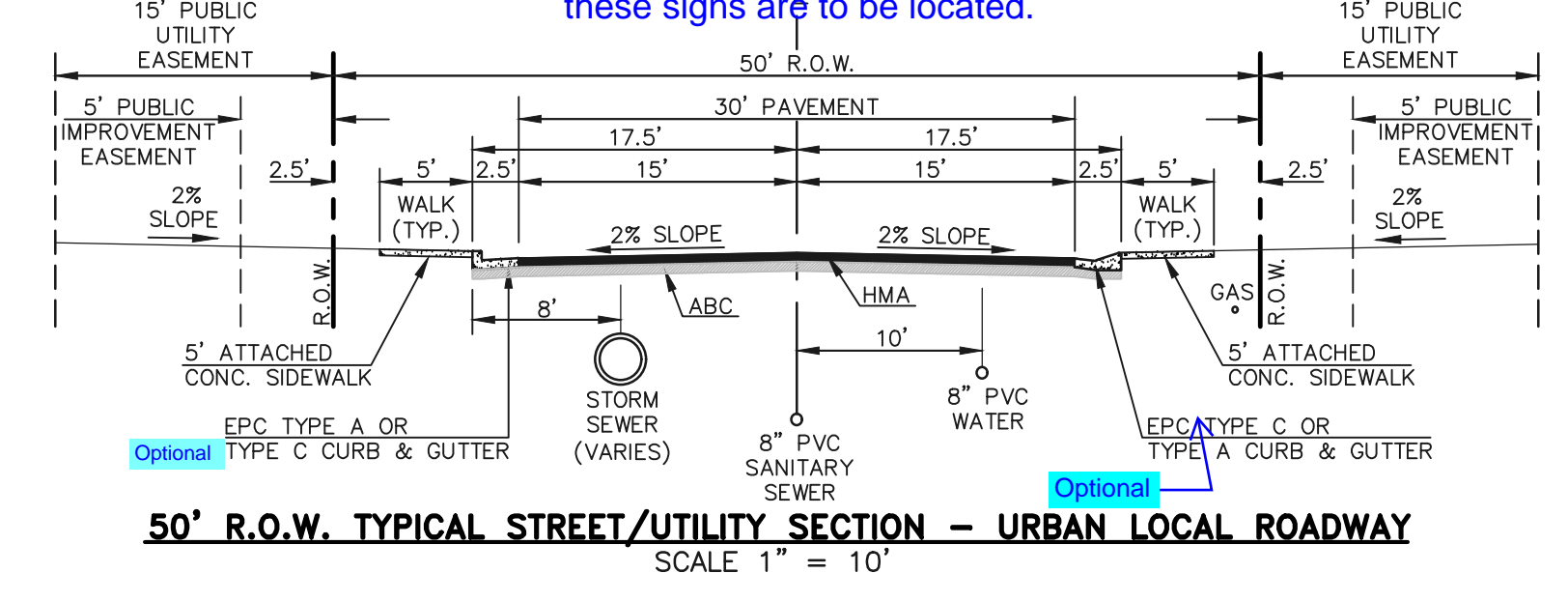
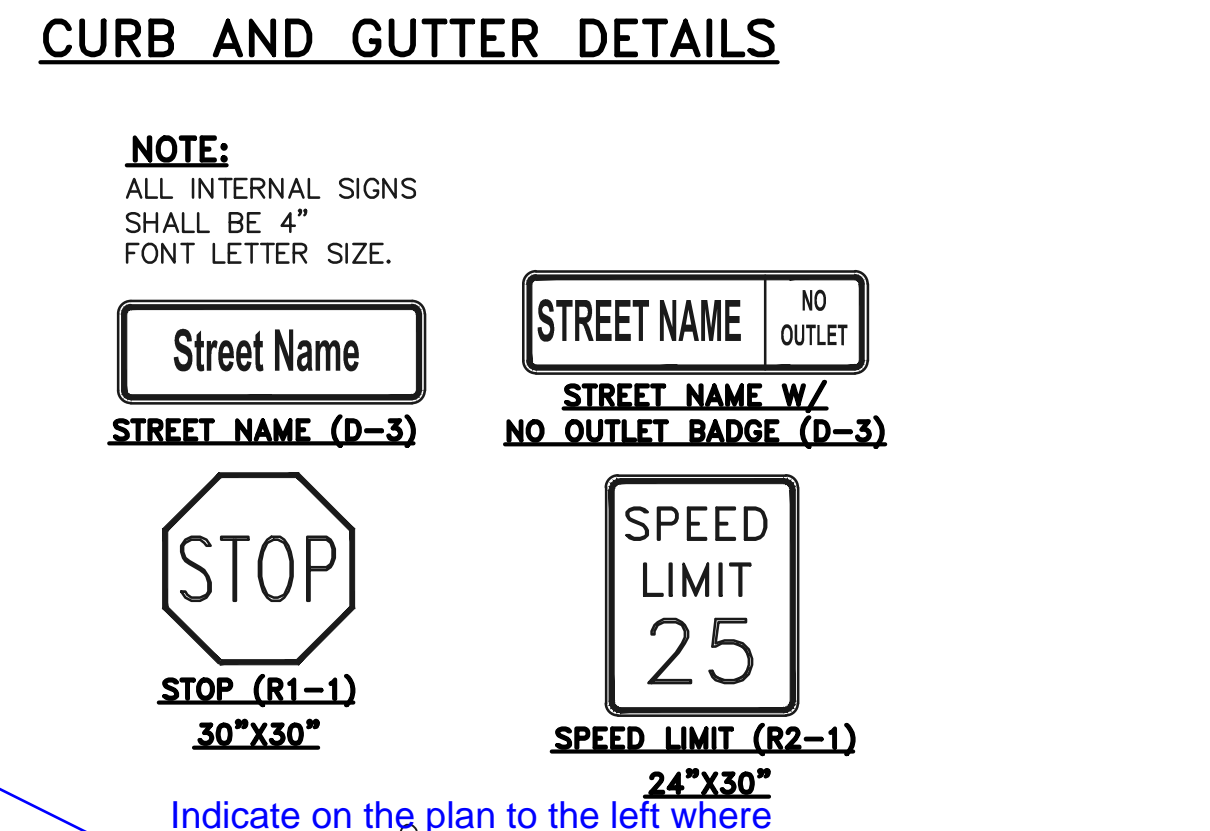
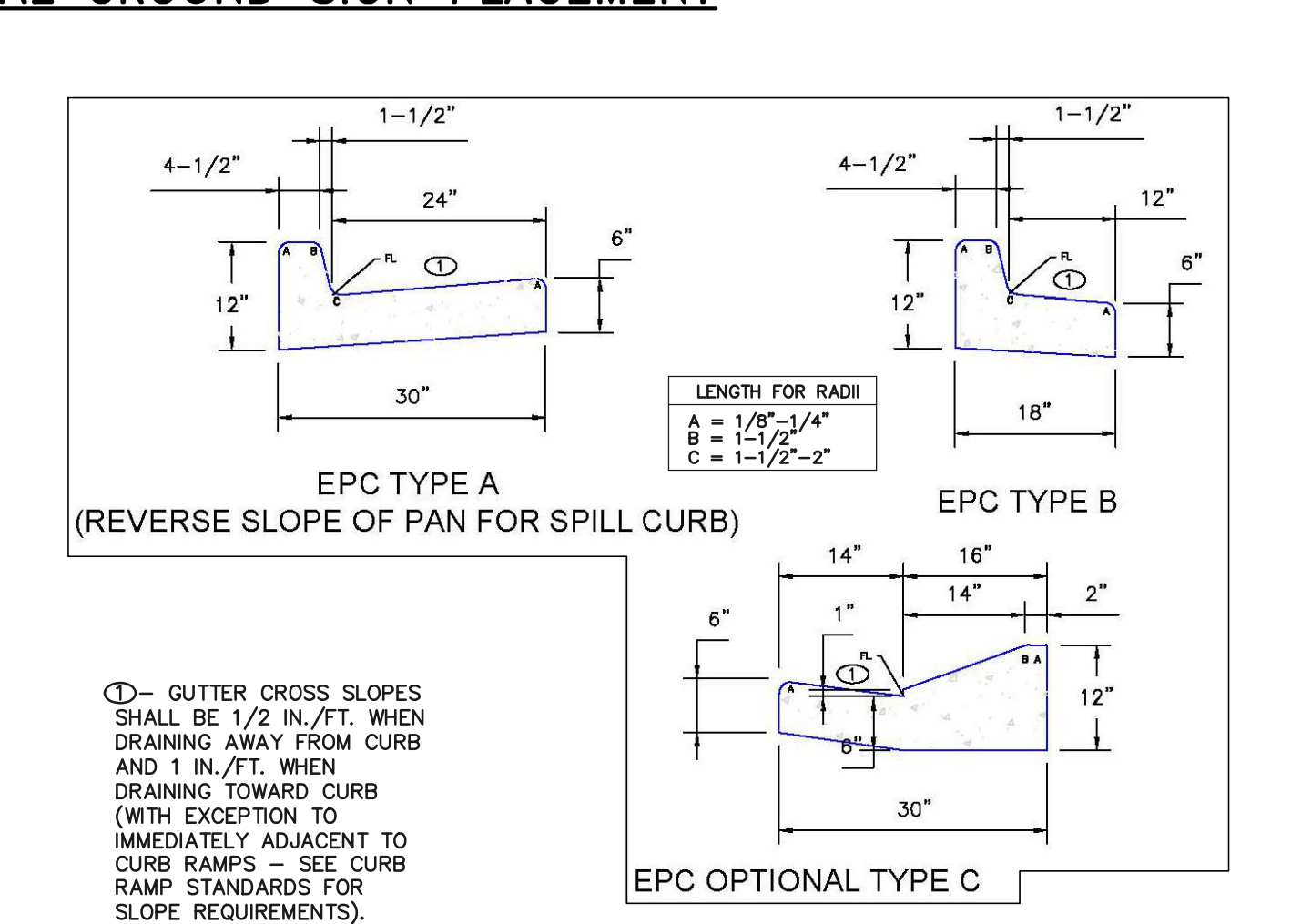
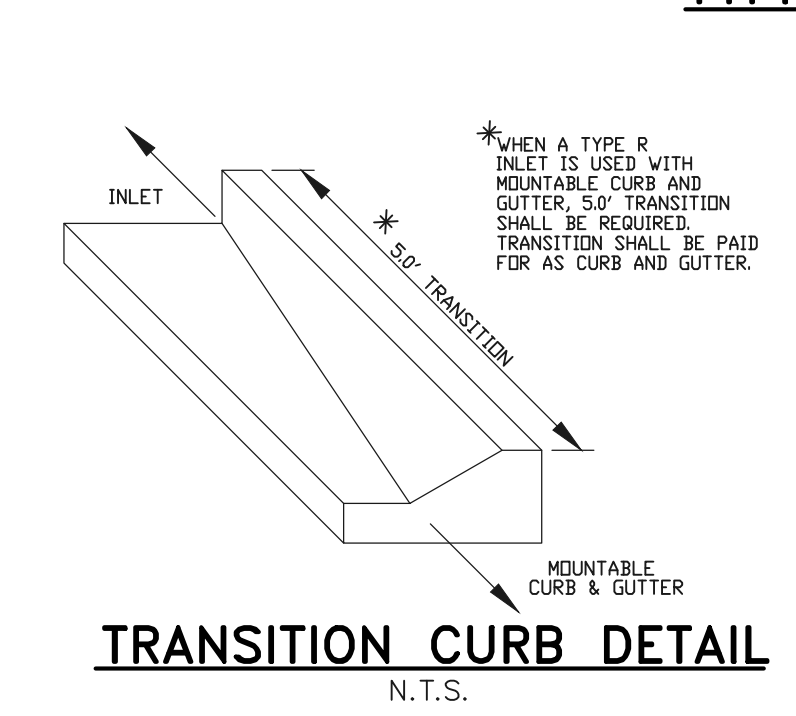
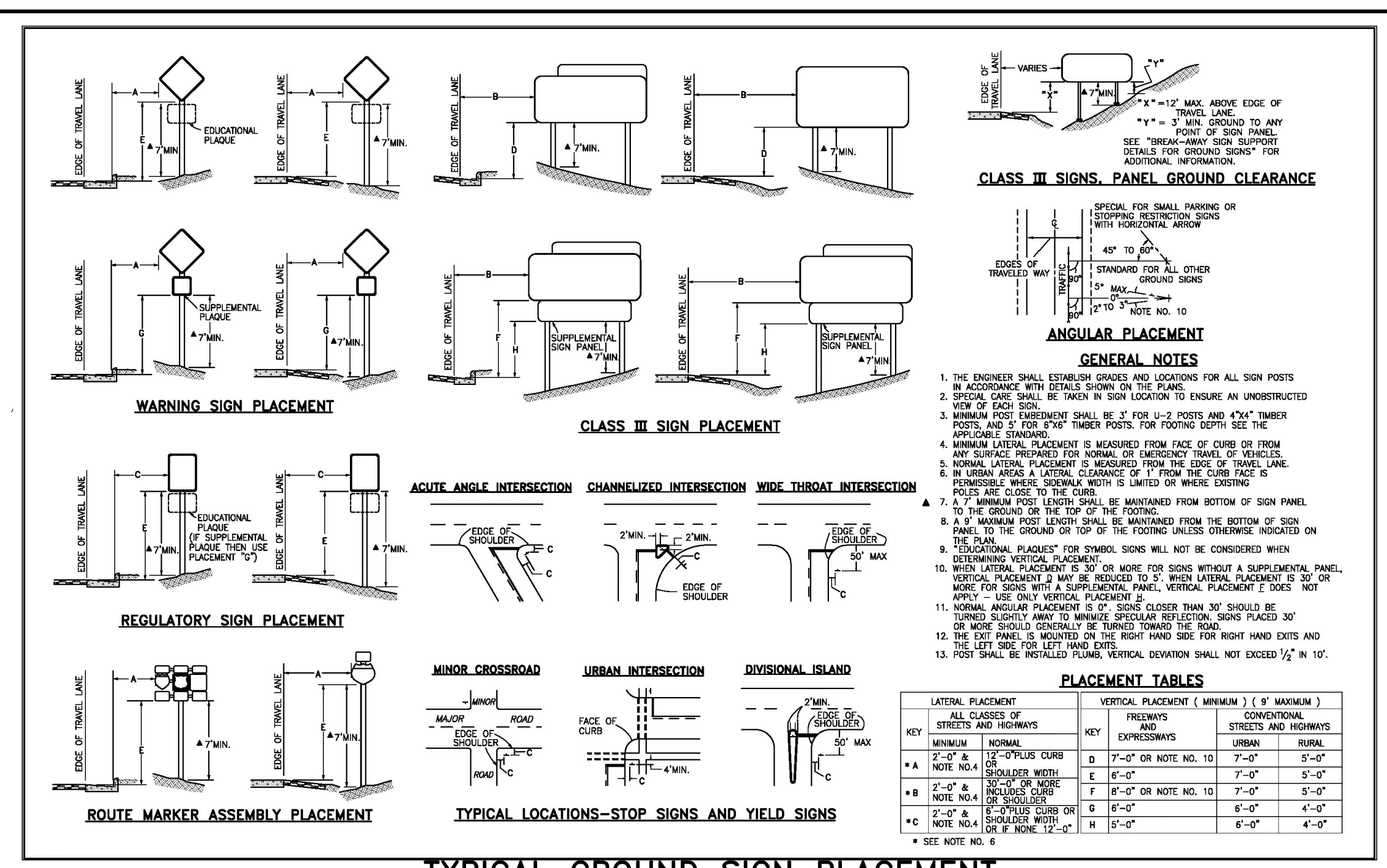
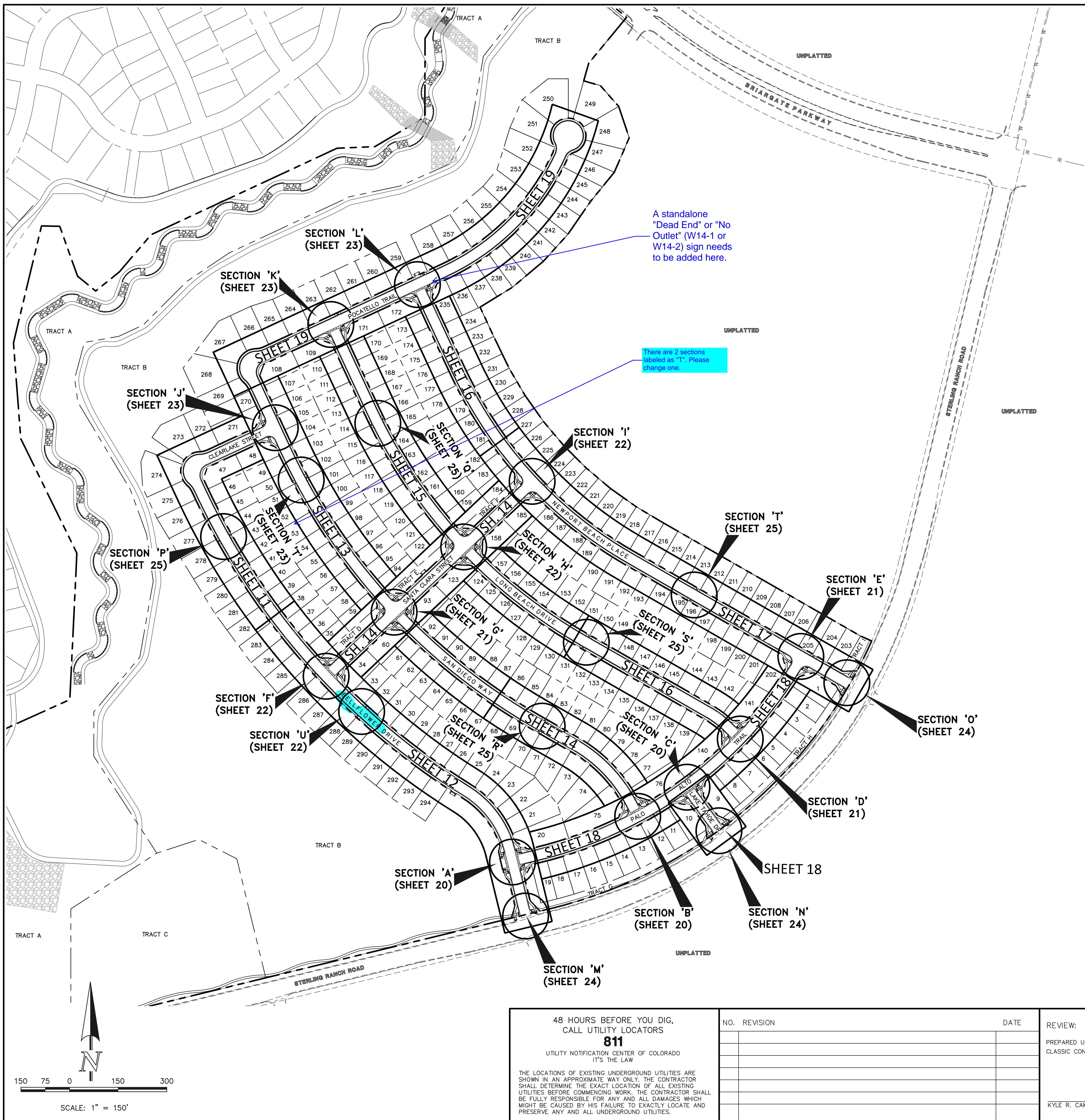
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
 KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

CLASSIC CONSULTING
 619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719)785-0790 (719)785-0799(Fax)

STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS GRADING AND EROSION CONTROL PLAN DETAIL SHEET

DESIGNED BY: MES SCALE: DATE: 08/31/22
 DRAWN BY: MES (H) 1"= N/A SHEET 9 OF 53
 CHECKED BY: (V) 1"= N/A JOB NO. 1183.30

PCD FILE #



48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
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| | | | |
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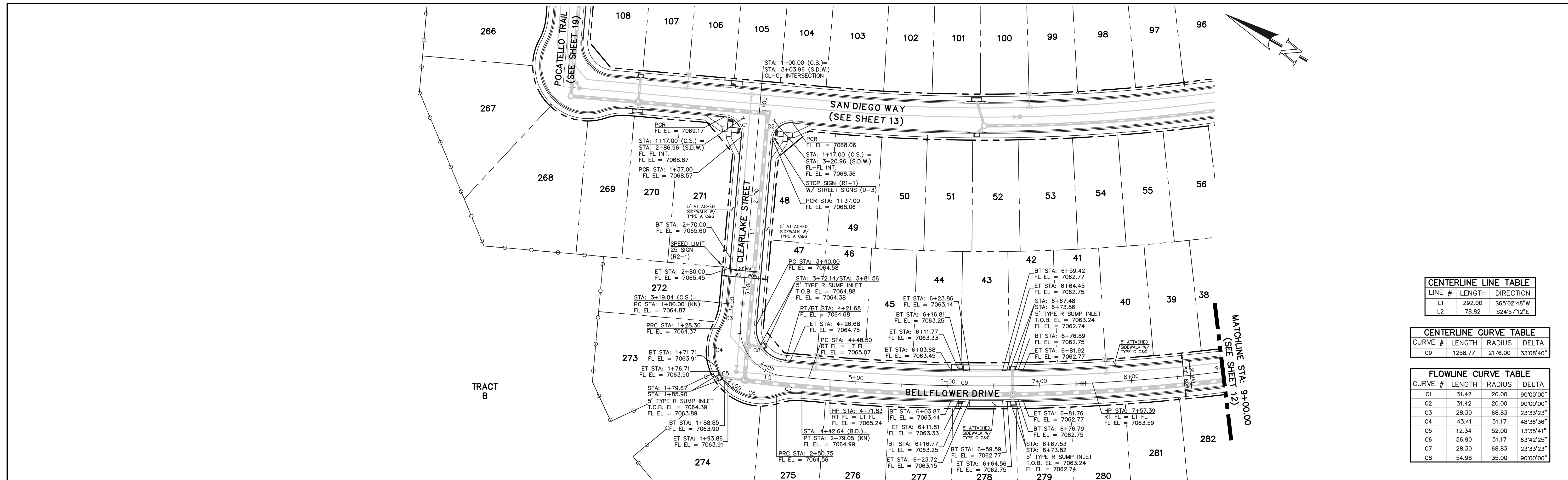
KYLE R. CAMPBELL, COLORADO P.E. #29794

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
KEY MAP WITH TYPICAL STREET SECTIONS

DESIGNED BY: MES SCALE: DATE: 08/31/22
DRAWN BY: MES (H) 1" = N/A SHEET 10 OF 53
CHECKED BY: (V) 1" = N/A JOB NO. 1183.30

PCD FILE #

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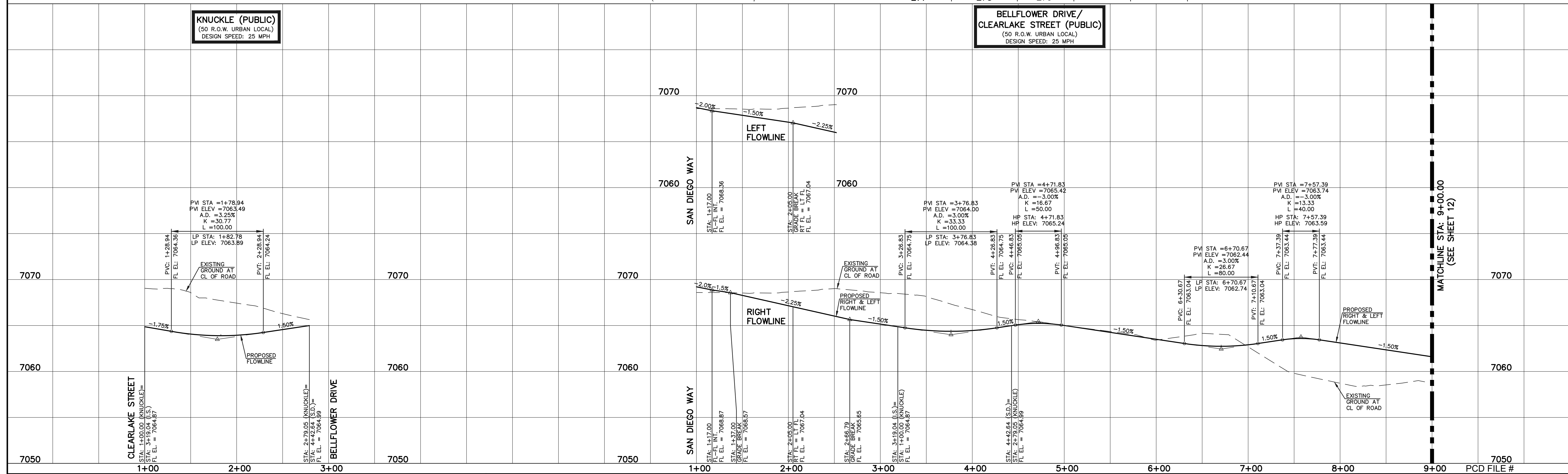
| LINE # | LENGTH | DIRECTION |
|--------|--------|-------------|
| L1 | 292.00 | S65°02'48"W |
| L2 | 78.82 | S24°57'12"E |

| CURVE # | LENGTH | RADIUS | DELTA |
|---------|---------|---------|-----------|
| C9 | 1258.77 | 2176.00 | 33°08'40" |

| CURVE # | LENGTH | RADIUS | DELTA |
|---------|--------|--------|-----------|
| C1 | 31.42 | 20.00 | 90°00'00" |
| C2 | 31.42 | 20.00 | 90°00'00" |
| C3 | 28.30 | 68.83 | 23°33'23" |
| C4 | 43.41 | 51.17 | 48°36'36" |
| C5 | 12.34 | 52.00 | 13°35'41" |
| C6 | 56.90 | 51.17 | 63°42'25" |
| C7 | 28.30 | 68.83 | 23°33'23" |
| C8 | 54.98 | 35.00 | 90°00'00" |

KNUCKLE (PUBLIC)
(50 R.O.W. URBAN LOCAL)
DESIGN SPEED: 25 MPH

**BELLFLOWER DRIVE/
CLEARLAKE STREET (PUBLIC)**
(50 R.O.W. URBAN LOCAL)
DESIGN SPEED: 25 MPH



LEGEND

- BOUNDARY LINE: - - - - -
- ROW LINE: - - - - -
- LOT LINE: - - - - -
- CURB & GUTTER: = = = = =
- PED RAMP: [Symbol]
- LIGHT POLE: [Symbol]
- SIGN: [Symbol]
- TYPE R INLET: [Symbol]

SCALE: 1" = 50' HORIZ./5' VERT.

STREET ABBREVIATION INDEX

| | |
|--------|---------------------|
| B.D. | BELLFLOWER DRIVE |
| C.S. | CLEARLAKE STREET |
| L.T.D. | LAKE TAHOE DRIVE |
| L.B.D. | LONG BEACH DRIVE |
| N.B.P. | NEWPORT BEACH PLACE |
| P.A.T. | PALO ALTO TRAIL |
| P.T. | POCATELLO TRAIL |
| S.D.W. | SAN DIEGO WAY |
| S.C.S. | SANTA CLARA STREET |
| S.R.R. | STERLING RANCH ROAD |

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PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

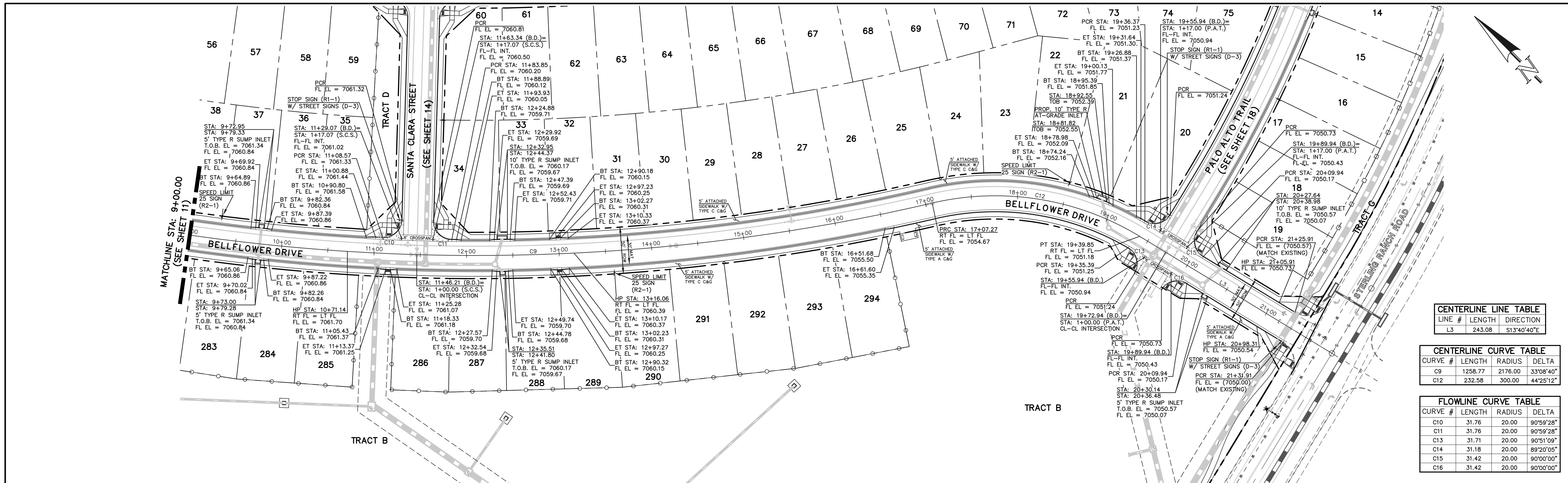
KYLE R. CAMPBELL, COLORADO P.E. #29794



STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
CLEARLAKE ST/BELLFLOWER DR STA: 1+00-9+00

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 11 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

N:\118330\DRAWINGS\CONSTRUCTION\STREETS\1-118330-9-02.dwg - 11/14/2022 10:50:01 AM, 1:1



| CENTERLINE LINE TABLE | | |
|-----------------------|--------|-------------|
| LINE # | LENGTH | DIRECTION |
| L3 | 243.08 | S13°40'40"E |

| CENTERLINE CURVE TABLE | | | |
|------------------------|---------|---------|-----------|
| CURVE # | LENGTH | RADIUS | DELTA |
| C9 | 1258.77 | 2176.00 | 33°08'40" |
| C12 | 232.58 | 300.00 | 44°25'12" |

| FLOWLINE CURVE TABLE | | | |
|----------------------|--------|--------|-----------|
| CURVE # | LENGTH | RADIUS | DELTA |
| C10 | 31.76 | 20.00 | 90°59'28" |
| C11 | 31.76 | 20.00 | 90°59'28" |
| C13 | 31.71 | 20.00 | 90°51'09" |
| C14 | 31.18 | 20.00 | 89°20'05" |
| C15 | 31.42 | 20.00 | 90°00'00" |
| C16 | 31.42 | 20.00 | 90°00'00" |

BELFLOWER DRIVE (PUBLIC)
 (50 R.O.W. URBAN LOCAL)
 DESIGN SPEED: 25 MPH



LEGEND

- BOUNDARY LINE - - - - -
- ROW LINE - - - - -
- LOT LINE - - - - -
- CURB & GUTTER - - - - -
- PED RAMP [Symbol]
- LIGHT POLE [Symbol]
- SIGN [Symbol]
- TYPE R INLET [Symbol]

STREET ABBREVIATION INDEX

| | |
|--------|---------------------|
| B.D. | BELFLOWER DRIVE |
| C.S. | CLEARLAKE STREET |
| L.T.D. | LAKE TAHOE DRIVE |
| L.B.D. | LONG BEACH DRIVE |
| N.B.P. | NEWPORT BEACH PLACE |
| P.A.T. | PALO ALTO TRAIL |
| P.T. | POCATELLO TRAIL |
| S.D.W. | SAN DIEGO WAY |
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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

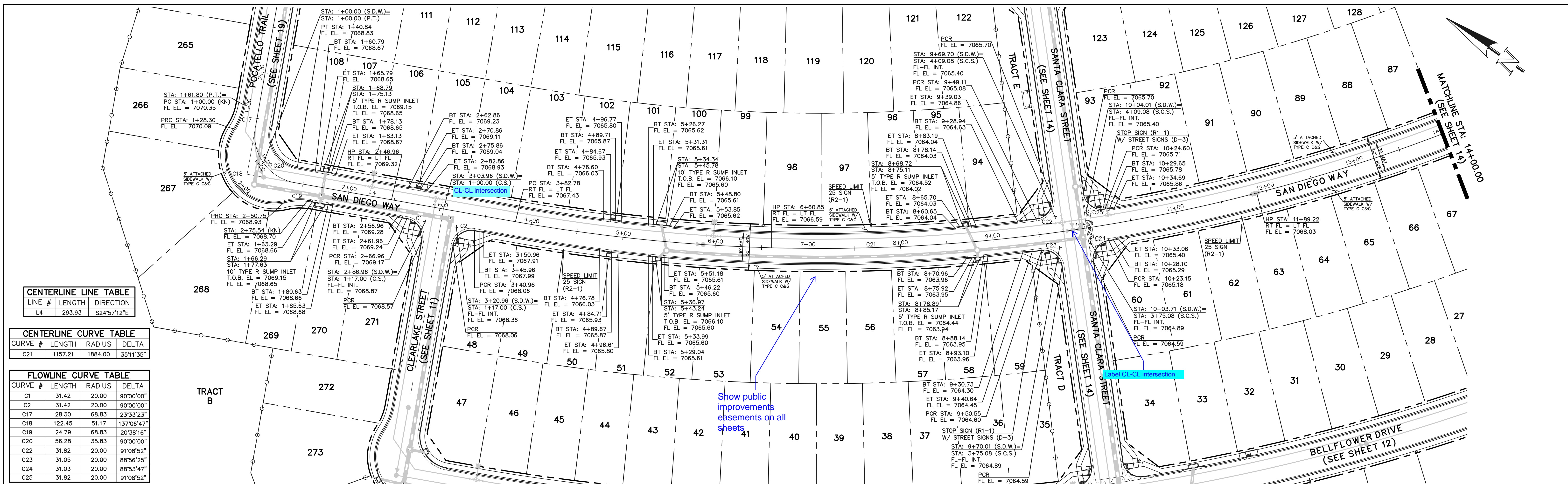
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
 PUBLIC STREET IMPROVEMENT PLAN
 BELFLOWER DRIVE STA: 9+00 - END

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 12 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

N:\118330\DRAWINGS\CONSTRUCTION\STREETS\12-118330-S-03.dwg - 11/21/2022 2:13:43 PM, 1.1



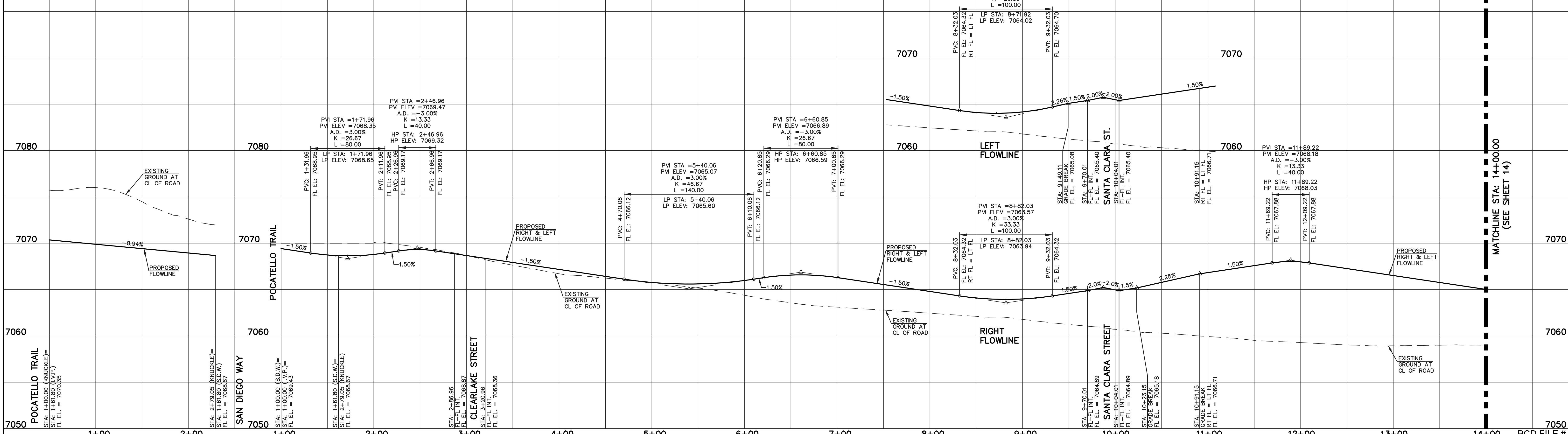
| LINE # | LENGTH | DIRECTION |
|--------|--------|-------------|
| L4 | 293.93 | S24°57'12"E |

| CURVE # | LENGTH | RADIUS | DELTA |
|---------|---------|---------|-----------|
| C21 | 1157.21 | 1884.00 | 35°11'35" |

| CURVE # | LENGTH | RADIUS | DELTA |
|---------|--------|--------|------------|
| C1 | 31.42 | 20.00 | 90°00'00" |
| C2 | 31.42 | 20.00 | 90°00'00" |
| C17 | 28.30 | 68.83 | 23°33'23" |
| C18 | 122.45 | 51.17 | 137°06'47" |
| C19 | 24.79 | 68.83 | 20°38'16" |
| C20 | 56.28 | 35.83 | 90°00'00" |
| C22 | 31.82 | 20.00 | 91°08'52" |
| C23 | 31.05 | 20.00 | 88°56'25" |
| C24 | 31.03 | 20.00 | 88°53'47" |
| C25 | 31.82 | 20.00 | 91°08'52" |

KNUCKLE (PUBLIC) (50 R.O.W. URBAN LOCAL) DESIGN SPEED: 25 MPH

SAN DIEGO WAY (PUBLIC) (50 R.O.W. URBAN LOCAL) DESIGN SPEED: 25 MPH



LEGEND

- BOUNDARY LINE
- ROW LINE
- LOT LINE
- CURB & GUTTER
- PED RAMP
- LIGHT POLE
- SIGN
- TYPE R INLET

SCALE: 1" = 50' HORIZ./5' VERT.

STREET ABBREVIATION INDEX

- B.D. BELLFLOWER DRIVE
- C.S. CLEARLAKE STREET
- L.T.D. LAKE TAHOE DRIVE
- L.B.D. LONG BEACH DRIVE
- N.B.P. NEWPORT BEACH PLACE
- P.A.T. PALO ALTO TRAIL
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KYLE R. CAMPBELL, COLORADO P.E. #29794



STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
SAN DIEGO WAY STA: 1+00-14+00/KNUCKLE

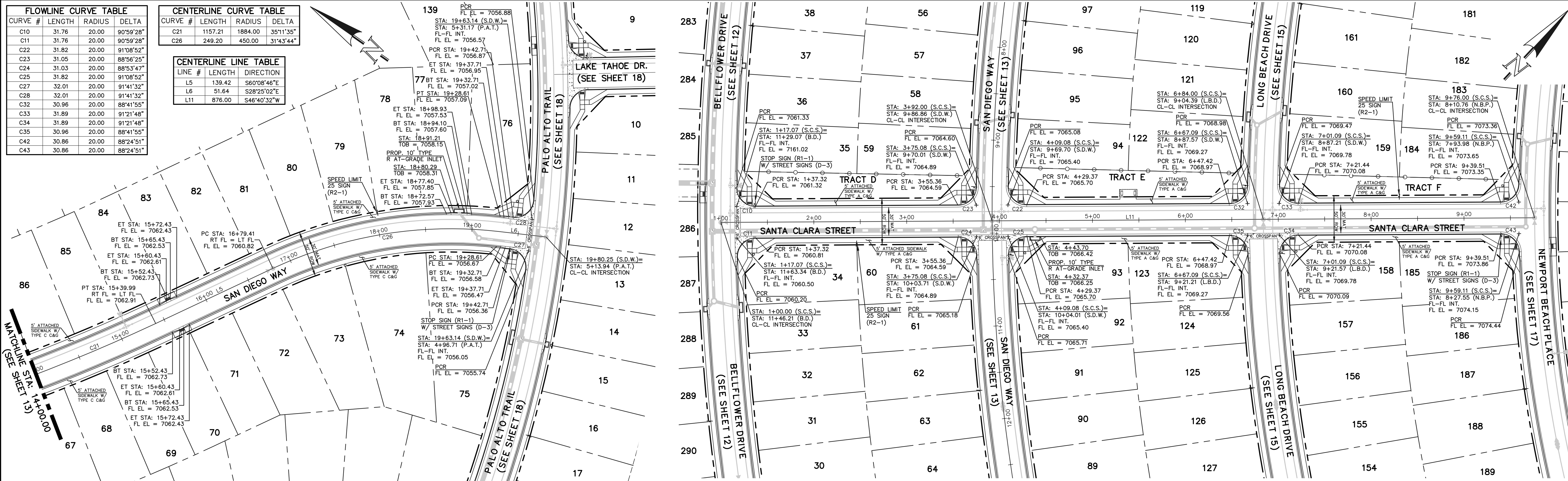
DESIGNED BY MES SCALE DATE 08/31/22
DRAWN BY MES (H) 1" = 50' SHEET 13 OF 53
CHECKED BY (V) 1" = 5' JOB NO. 1183.30

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| FLOWLINE CURVE TABLE | | | | |
|----------------------|--------|--------|-----------|--|
| CURVE # | LENGTH | RADIUS | DELTA | |
| C10 | 31.76 | 20.00 | 90°59'28" | |
| C11 | 31.76 | 20.00 | 90°59'28" | |
| C22 | 31.82 | 20.00 | 91°08'52" | |
| C23 | 31.05 | 20.00 | 88°56'25" | |
| C24 | 31.03 | 20.00 | 88°53'47" | |
| C25 | 31.82 | 20.00 | 91°08'52" | |
| C27 | 32.01 | 20.00 | 91°41'32" | |
| C28 | 32.01 | 20.00 | 91°41'32" | |
| C32 | 30.96 | 20.00 | 88°41'55" | |
| C33 | 31.89 | 20.00 | 91°21'48" | |
| C34 | 31.89 | 20.00 | 91°21'48" | |
| C35 | 30.96 | 20.00 | 88°41'55" | |
| C42 | 30.86 | 20.00 | 88°24'51" | |
| C43 | 30.86 | 20.00 | 88°24'51" | |

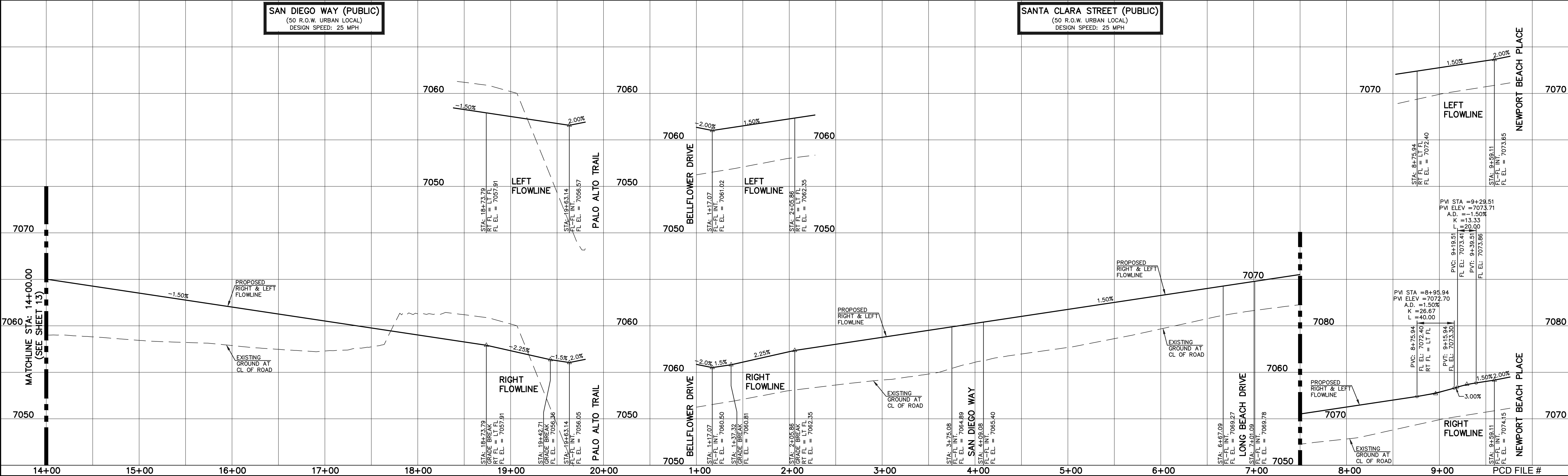
| CENTERLINE CURVE TABLE | | | | |
|------------------------|---------|---------|-----------|--|
| CURVE # | LENGTH | RADIUS | DELTA | |
| C21 | 1157.21 | 1884.00 | 35°11'35" | |
| C26 | 249.20 | 450.00 | 31°43'44" | |

| CENTERLINE LINE TABLE | | | | |
|-----------------------|--------|-------------|--|--|
| LINE # | LENGTH | DIRECTION | | |
| L5 | 139.42 | S60°08'46"E | | |
| L6 | 51.64 | S28°25'02"E | | |
| L11 | 876.00 | S46°40'32"W | | |



SAN DIEGO WAY (PUBLIC)
 (50 R.O.W. URBAN LOCAL)
 DESIGN SPEED: 25 MPH

SANTA CLARA STREET (PUBLIC)
 (50 R.O.W. URBAN LOCAL)
 DESIGN SPEED: 25 MPH



LEGEND

- BOUNDARY LINE: - - - - -
- ROW LINE: - - - - -
- LOT LINE: - - - - -
- CURB & GUTTER: = = = = =
- PED RAMP: [Symbol]
- LIGHT POLE: [Symbol]
- SIGN: [Symbol]
- TYPE R INLET: [Symbol]

STREET ABBREVIATION INDEX

| | |
|--------|---------------------|
| B.D. | BELFLOWER DRIVE |
| C.S. | CLEARLAKE STREET |
| L.T.D. | LAKE TAHOE DRIVE |
| L.B.D. | LONG BEACH DRIVE |
| N.B.P. | NEWPORT BEACH PLACE |
| P.A.T. | PALO ALTO TRAIL |
| P.T. | POCATELLO TRAIL |
| S.D.W. | SAN DIEGO WAY |
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NO. REVISION: [Table]
DATE: [Table]
REVIEW: [Table]

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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE: [Table]

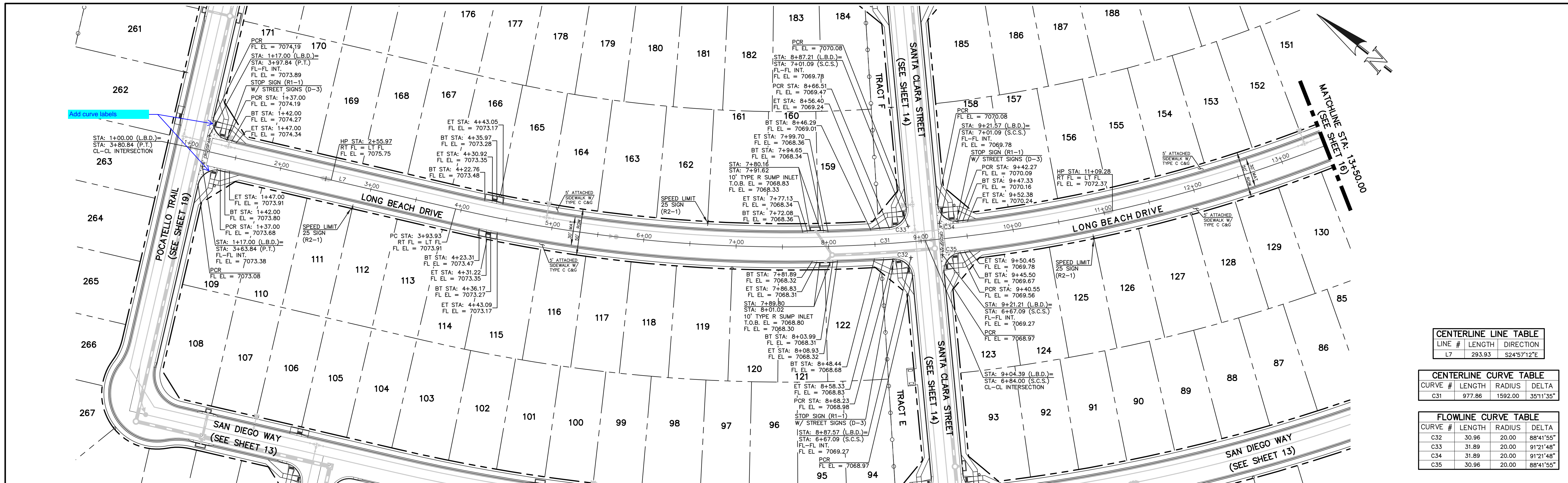
CLASSIC CONSULTING

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
SAN DIEGO WAY STA: 14+00-END/SANTA CLARA ST

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 14 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

SCALE: 1" = 50' HORIZ./5' VERT.

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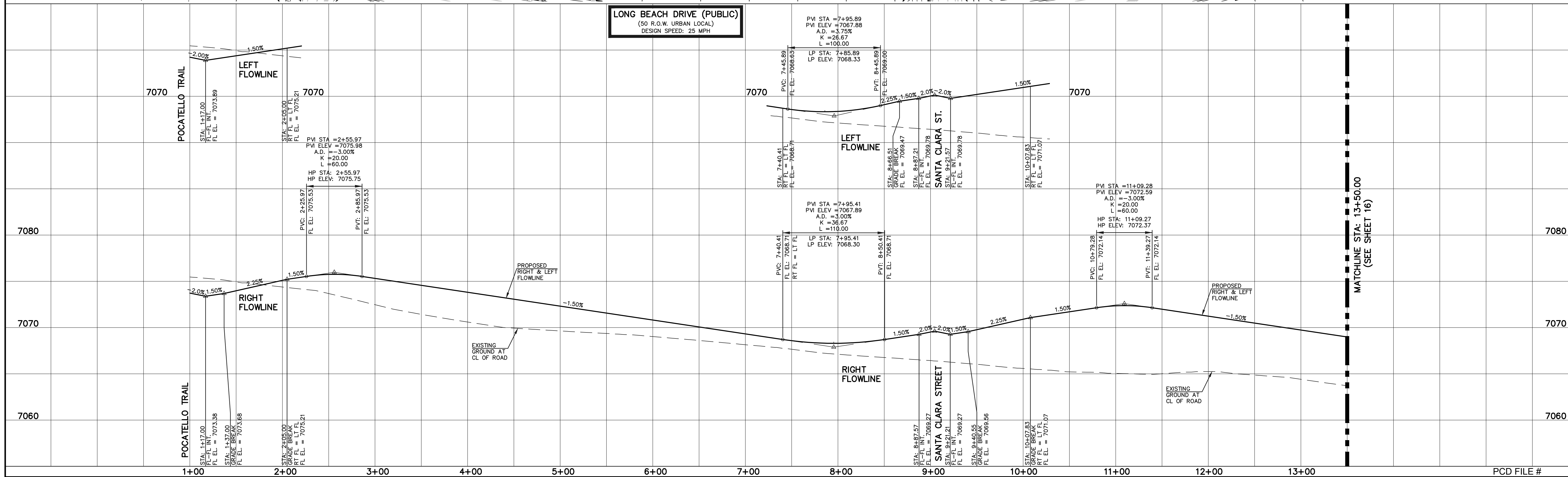


| CENTERLINE LINE TABLE | | |
|-----------------------|--------|-------------|
| LINE # | LENGTH | DIRECTION |
| L7 | 293.93 | S24°57'12"E |

| CENTERLINE CURVE TABLE | | | |
|------------------------|--------|---------|-----------|
| CURVE # | LENGTH | RADIUS | DELTA |
| C31 | 977.86 | 1592.00 | 35°11'35" |

| FLOWLINE CURVE TABLE | | | |
|----------------------|--------|--------|-----------|
| CURVE # | LENGTH | RADIUS | DELTA |
| C32 | 30.96 | 20.00 | 88°41'55" |
| C33 | 31.89 | 20.00 | 91°21'48" |
| C34 | 31.89 | 20.00 | 91°21'48" |
| C35 | 30.96 | 20.00 | 88°41'55" |

LONG BEACH DRIVE (PUBLIC)
 (50 R.O.W. URBAN LOCAL)
 DESIGN SPEED: 25 MPH



LEGEND

- BOUNDARY LINE
- ROW LINE
- LOT LINE
- CURB & GUTTER
- PED RAMP
- LIGHT POLE
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- TYPE R INLET

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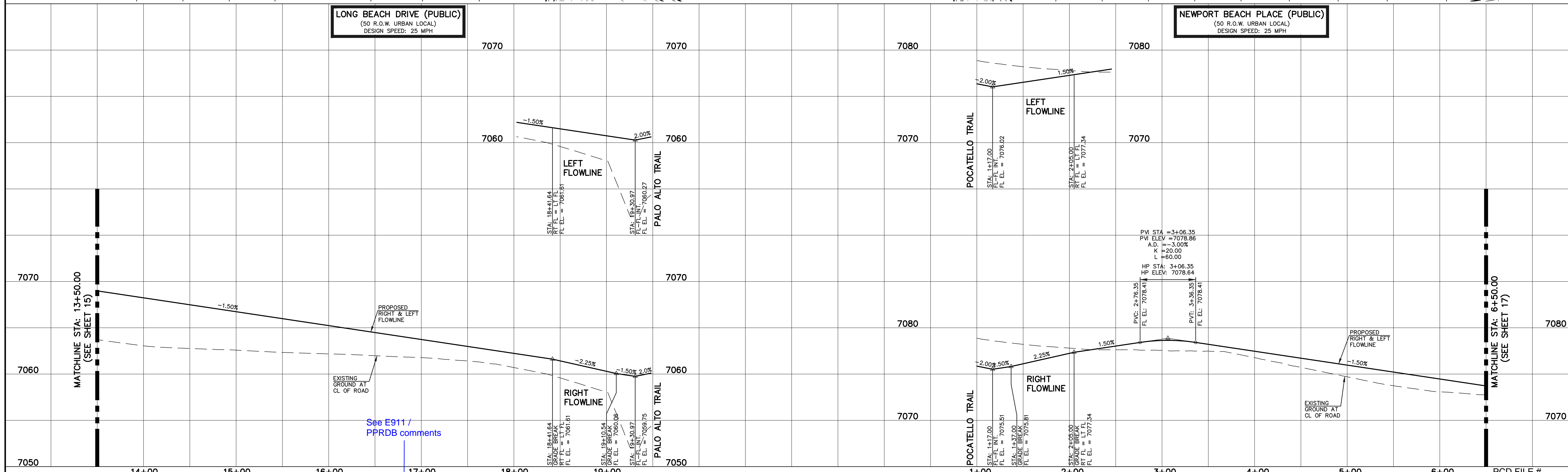
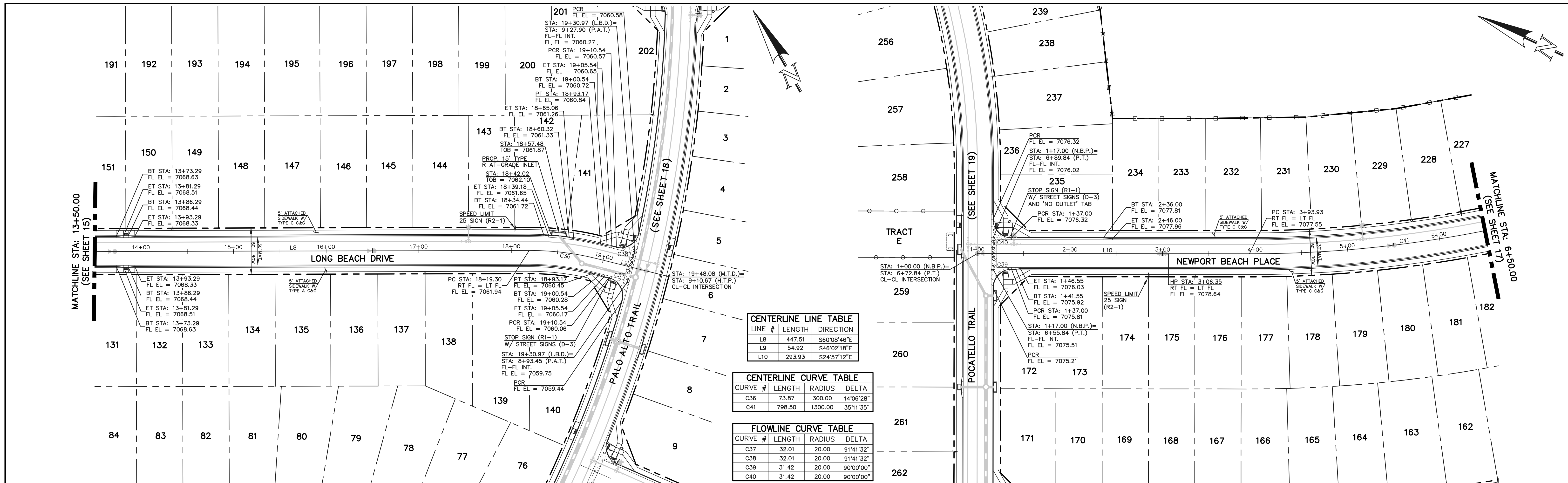
CLASSIC CONSULTING

619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (fax)

STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STREET IMPROVEMENT PLAN
 LONG BEACH DRIVE STA: 1+00-13+50

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 15 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

N:\118330\DRAWING\CONSTRUCTION\STREETS\15-118330-S-06.dwg - 11/14/2022 11:46:22 AM, E:1



LEGEND

- BOUNDARY LINE
- ROW LINE
- LOT LINE
- CURB & GUTTER
- PED RAMP
- LIGHT POLE
- SIGN
- TYPE R INLET

STREET ABBREVIATION INDEX

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- S.D.W. SAN DIEGO WAY
- S.C.S. SANTA CLARA STREET
- S.R.R. STERLING RANCH ROAD

SCALE: 1" = 50' HORIZ./5' VERT.

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS

811

UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION | DATE |
|-----|----------|------|
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REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794

CLASSIC CONSULTING

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (fax)

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
LONG BEACH STA: 13+50-00/NEWPORT BEACH STA: 1+00-6+50

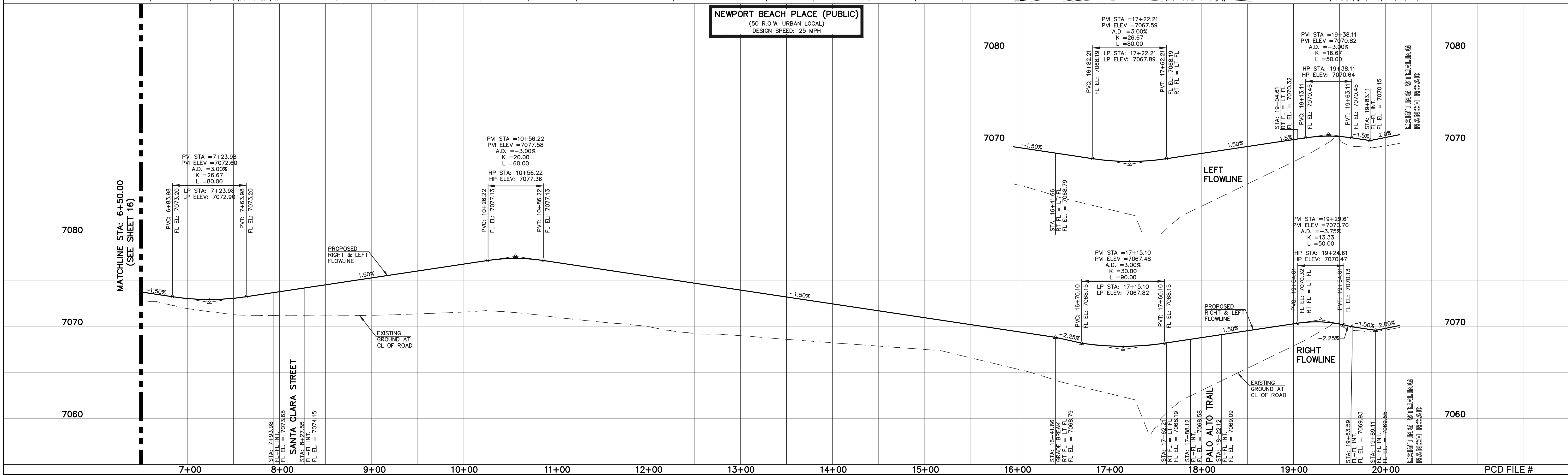
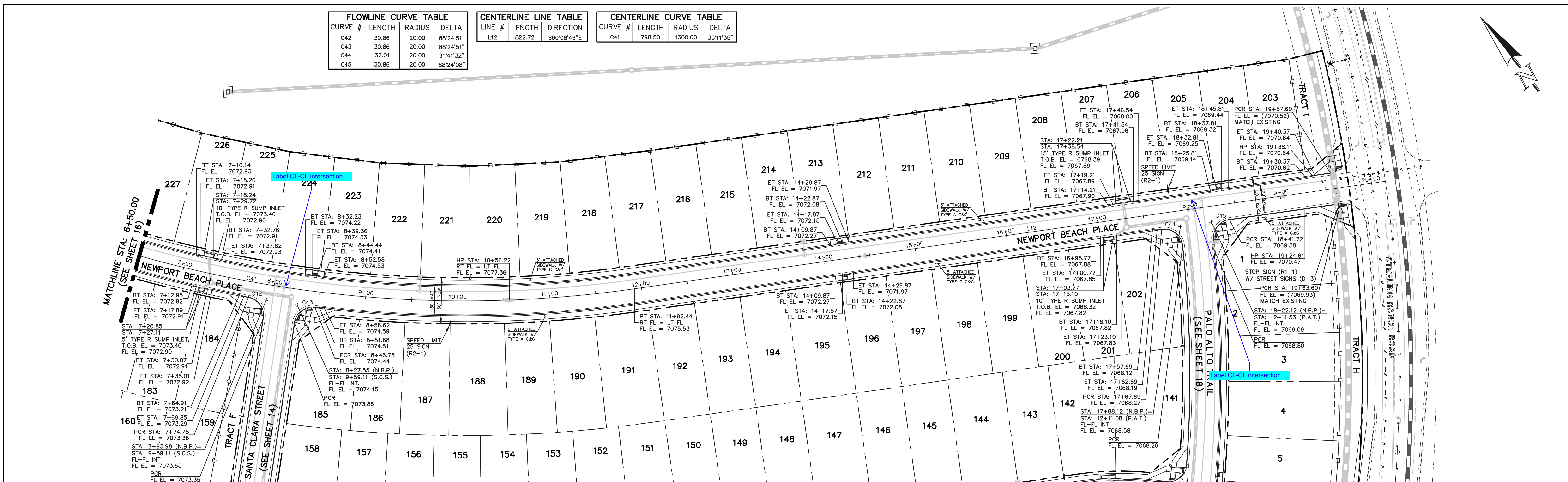
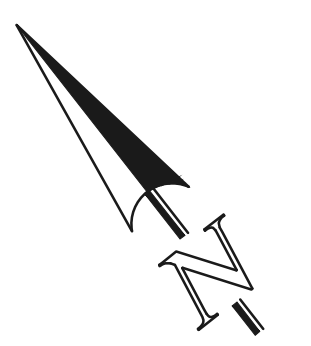
DESIGNED BY: MES SCALE: DATE: 08/31/22
DRAWN BY: MES (H) 1" = 50' SHEET 16 OF 53
CHECKED BY: (V) 1" = 5' JOB NO. 1183.30

N:\118330\DRAWING\CONSTRUCTION\STREETS\118330-S-07.dwg - 11/14/2022 11:48:11 AM, 1:1

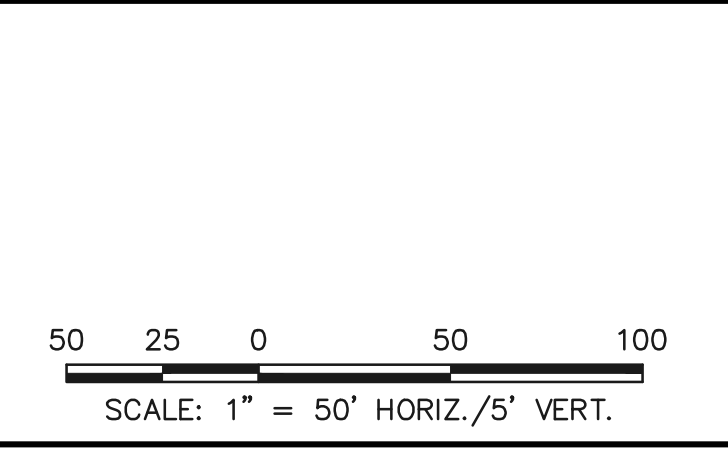
| FLOWLINE CURVE TABLE | | | |
|----------------------|--------|--------|-----------|
| CURVE # | LENGTH | RADIUS | DELTA |
| C42 | 30.86 | 20.00 | 88°24'51" |
| C43 | 30.86 | 20.00 | 88°24'51" |
| C44 | 32.01 | 20.00 | 91°41'32" |
| C45 | 30.86 | 20.00 | 88°24'08" |

| CENTERLINE LINE TABLE | | |
|-----------------------|--------|-------------|
| LINE # | LENGTH | DIRECTION |
| L12 | 822.72 | S60°08'46"E |

| CENTERLINE CURVE TABLE | | | |
|------------------------|--------|---------|-----------|
| CURVE # | LENGTH | RADIUS | DELTA |
| C41 | 798.50 | 1300.00 | 35°11'35" |



| LEGEND | |
|---------------|-----|
| BOUNDARY LINE | --- |
| ROW LINE | --- |
| LOT LINE | --- |
| CURB & GUTTER | --- |
| PED RAMP | ▭ |
| LIGHT POLE | ☆ |
| SIGN | ☆ |
| TYPE R INLET | ▭ |



| STREET ABBREVIATION INDEX | |
|---------------------------|---------------------|
| B.D. | BELFLOWER DRIVE |
| C.S. | CLEARLAKE STREET |
| L.T.D. | LAKE TAHOE DRIVE |
| L.B.D. | LONG BEACH DRIVE |
| N.B.P. | NEWPORT BEACH PLACE |
| P.A.T. | PALO ALTO TRAIL |
| P.T. | POCATELLO TRAIL |
| S.D.W. | SAN DIEGO WAY |
| S.C.S. | SANTA CLARA STREET |
| S.R.R. | STERLING RANCH ROAD |

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REVIEW:

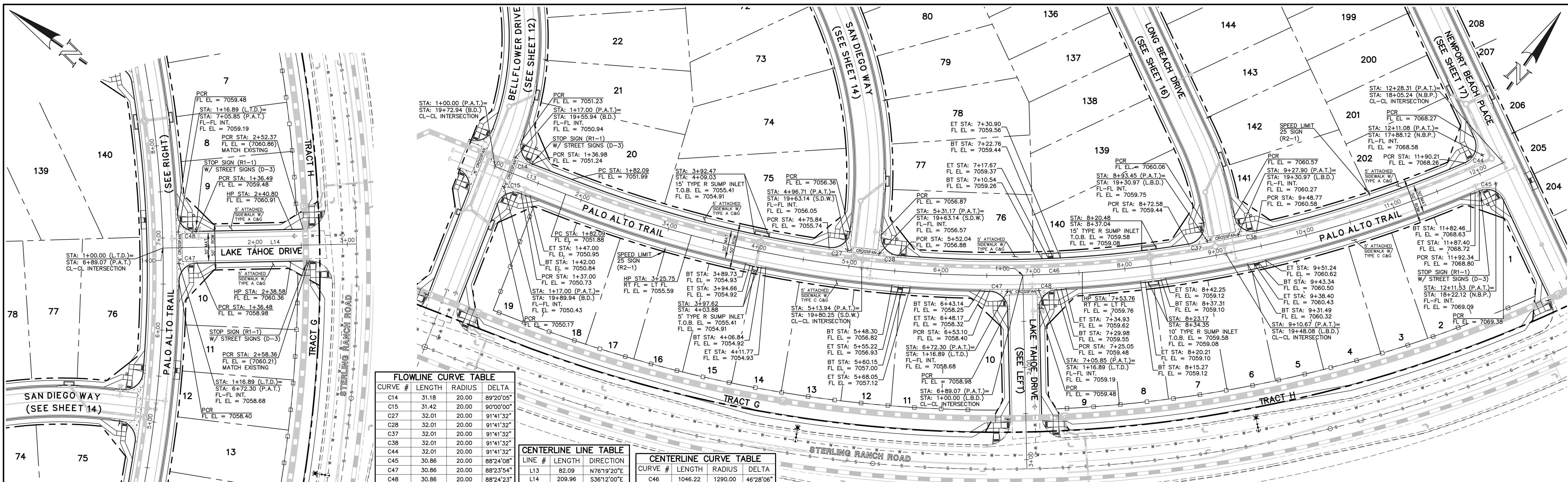
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



| STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS PUBLIC STREET IMPROVEMENT PLAN NEWPORT BEACH PLACE STA: 6+50 - END | | | |
|---|-------------|--------------|----------------|
| DESIGNED BY | MES | SCALE | DATE 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET 17 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 |





FLOWLINE CURVE TABLE

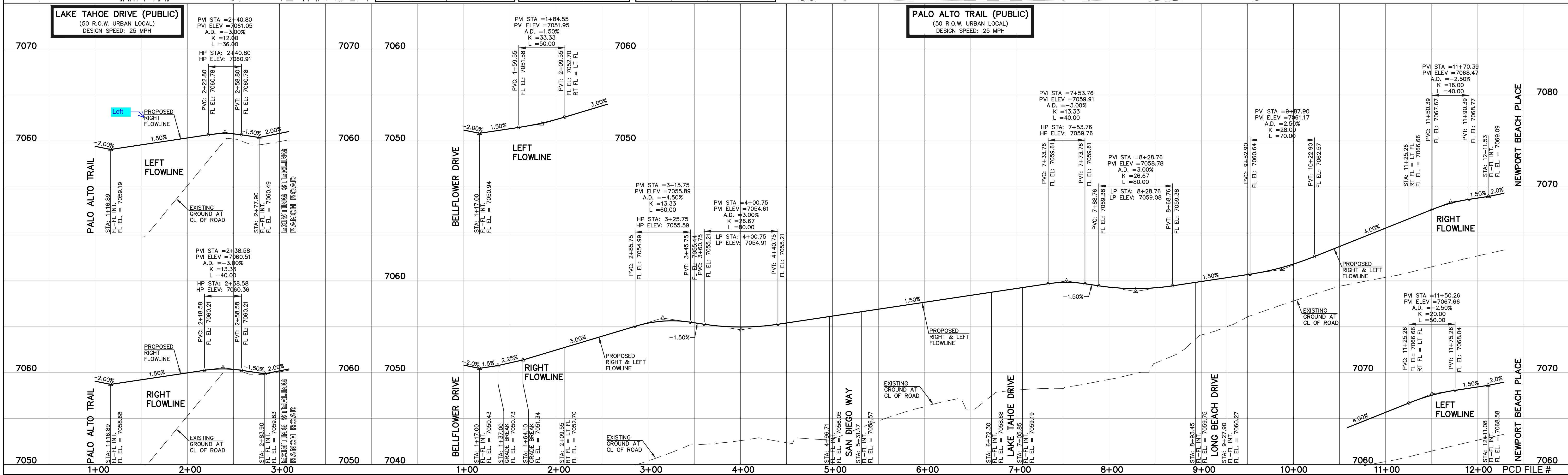
| CURVE # | LENGTH | RADIUS | DELTA |
|---------|--------|--------|-----------|
| C14 | 31.18 | 20.00 | 89°20'05" |
| C15 | 31.42 | 20.00 | 90°00'00" |
| C27 | 32.01 | 20.00 | 91°41'32" |
| C28 | 32.01 | 20.00 | 91°41'32" |
| C37 | 32.01 | 20.00 | 91°41'32" |
| C38 | 32.01 | 20.00 | 91°41'32" |
| C44 | 32.01 | 20.00 | 91°41'32" |
| C45 | 30.86 | 20.00 | 88°24'08" |
| C47 | 30.86 | 20.00 | 88°23'54" |
| C48 | 30.86 | 20.00 | 88°24'23" |

CENTERLINE LINE TABLE

| LINE # | LENGTH | DIRECTION |
|--------|--------|-------------|
| L13 | 82.09 | N76°19'20"E |
| L14 | 209.96 | S36°12'00"E |

CENTERLINE CURVE TABLE

| CURVE # | LENGTH | RADIUS | DELTA |
|---------|---------|---------|-----------|
| C46 | 1046.22 | 1290.00 | 46°28'06" |



LEGEND

- BOUNDARY LINE
- ROW LINE
- LOT LINE
- CURB & GUTTER
- PED RAMP
- LIGHT POLE
- SIGN
- TYPE R INLET

SCALE: 1" = 50' HORIZ./5' VERT.

STREET ABBREVIATION INDEX

| | |
|--------|---------------------|
| B.D. | BELFLOWER DRIVE |
| C.S. | CLEARLAKE STREET |
| L.T.D. | LAKE TAHOE DRIVE |
| L.B.D. | LONG BEACH DRIVE |
| N.B.P. | NEWPORT BEACH PLACE |
| P.A.T. | PALO ALTO TRAIL |
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KYLE R. CAMPBELL, COLORADO P.E. #29794



STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
LAKE TAHOE DRIVE/ PALO ALTO TRAIL

DESIGNED BY MES SCALE DATE 08/31/22
DRAWN BY MES (H) 1" = 50' SHEET 18 OF 53
CHECKED BY (V) 1" = 5' JOB NO. 1183.30

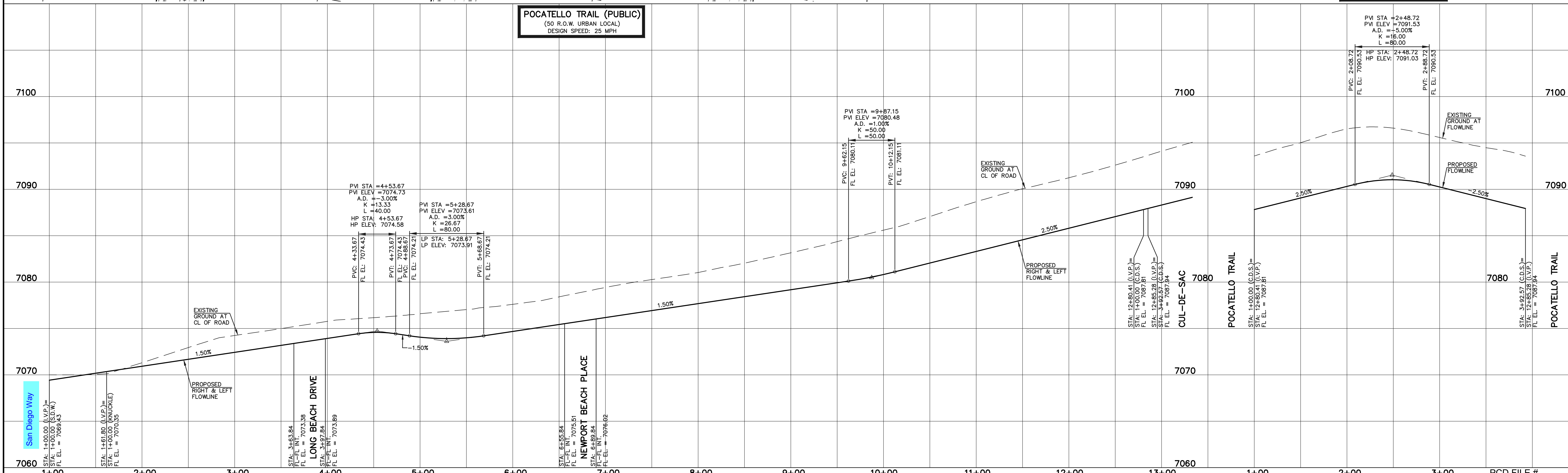
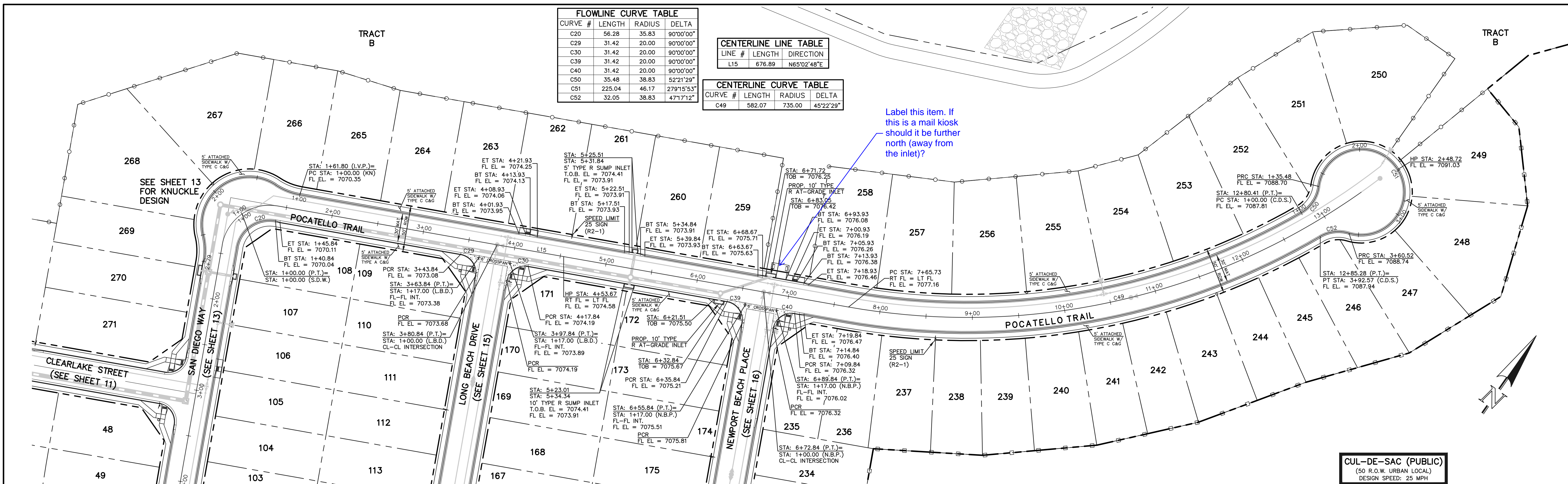
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| CURVE # | LENGTH | RADIUS | DELTA |
|---------|--------|--------|------------|
| C20 | 56.28 | 35.83 | 90°00'00" |
| C29 | 31.42 | 20.00 | 90°00'00" |
| C30 | 31.42 | 20.00 | 90°00'00" |
| C39 | 31.42 | 20.00 | 90°00'00" |
| C40 | 31.42 | 20.00 | 90°00'00" |
| C50 | 35.48 | 38.83 | 52°21'29" |
| C51 | 225.04 | 46.17 | 279°15'53" |
| C52 | 32.05 | 38.83 | 47°17'12" |

| LINE # | LENGTH | DIRECTION |
|--------|--------|-------------|
| L15 | 676.89 | N65°02'48"E |

| CURVE # | LENGTH | RADIUS | DELTA |
|---------|--------|--------|-----------|
| C49 | 582.07 | 735.00 | 45°22'29" |

Label this item. If this is a mail kiosk should it be further north (away from the inlet)?



LEGEND

- BOUNDARY LINE
- ROW LINE
- LOT LINE
- CURB & GUTTER
- PED RAMP
- LIGHT POLE
- SIGN
- TYPE R INLET

SCALE: 1" = 50' HORIZ./5' VERT.

STREET ABBREVIATION INDEX

| | |
|--------|---------------------|
| B.D. | BELLFLOWER DRIVE |
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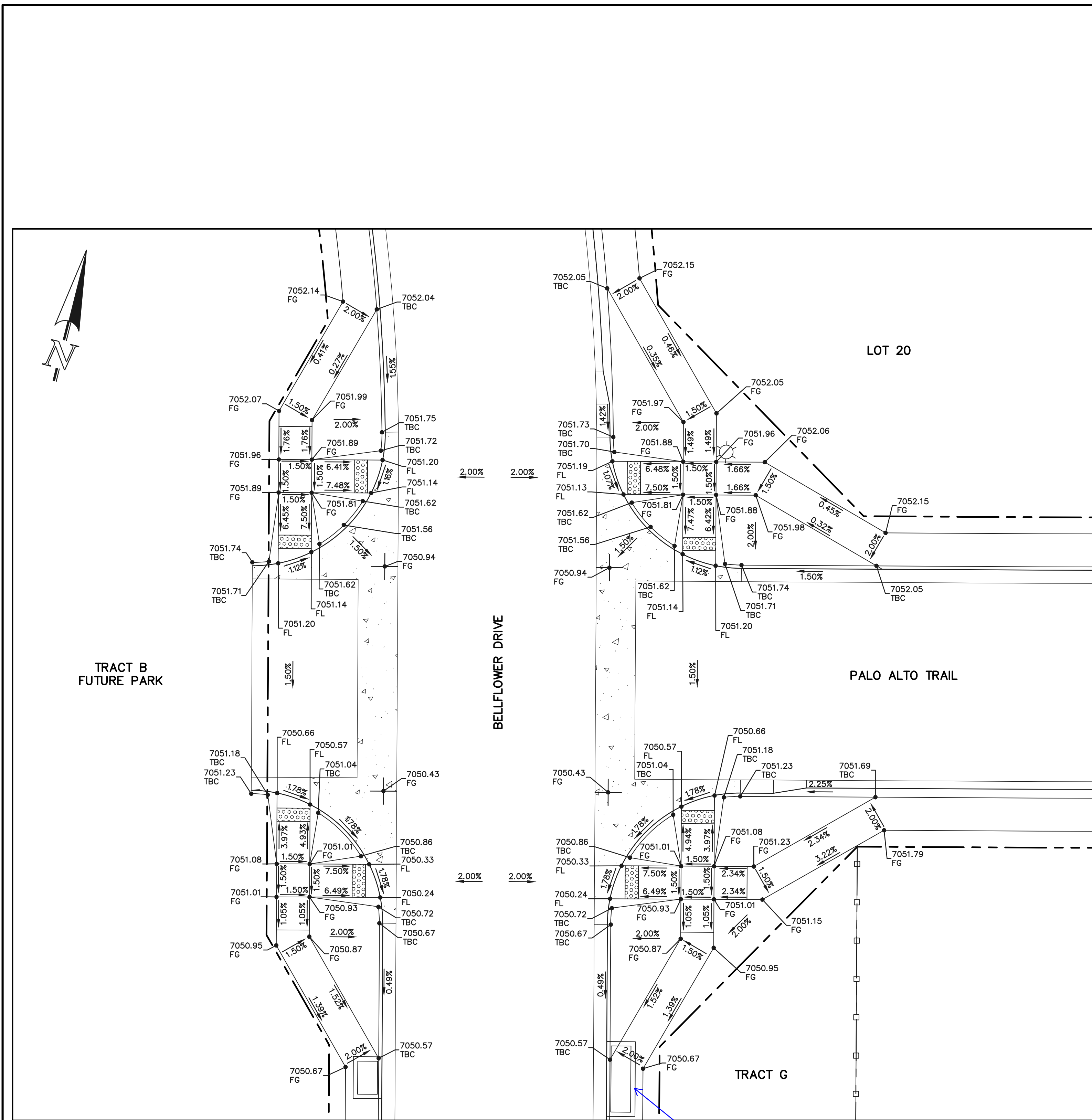
KYLE R. CAMPBELL, COLORADO P.E. #29794



STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
POCATELLO TRAIL / CUL-DE-SAC

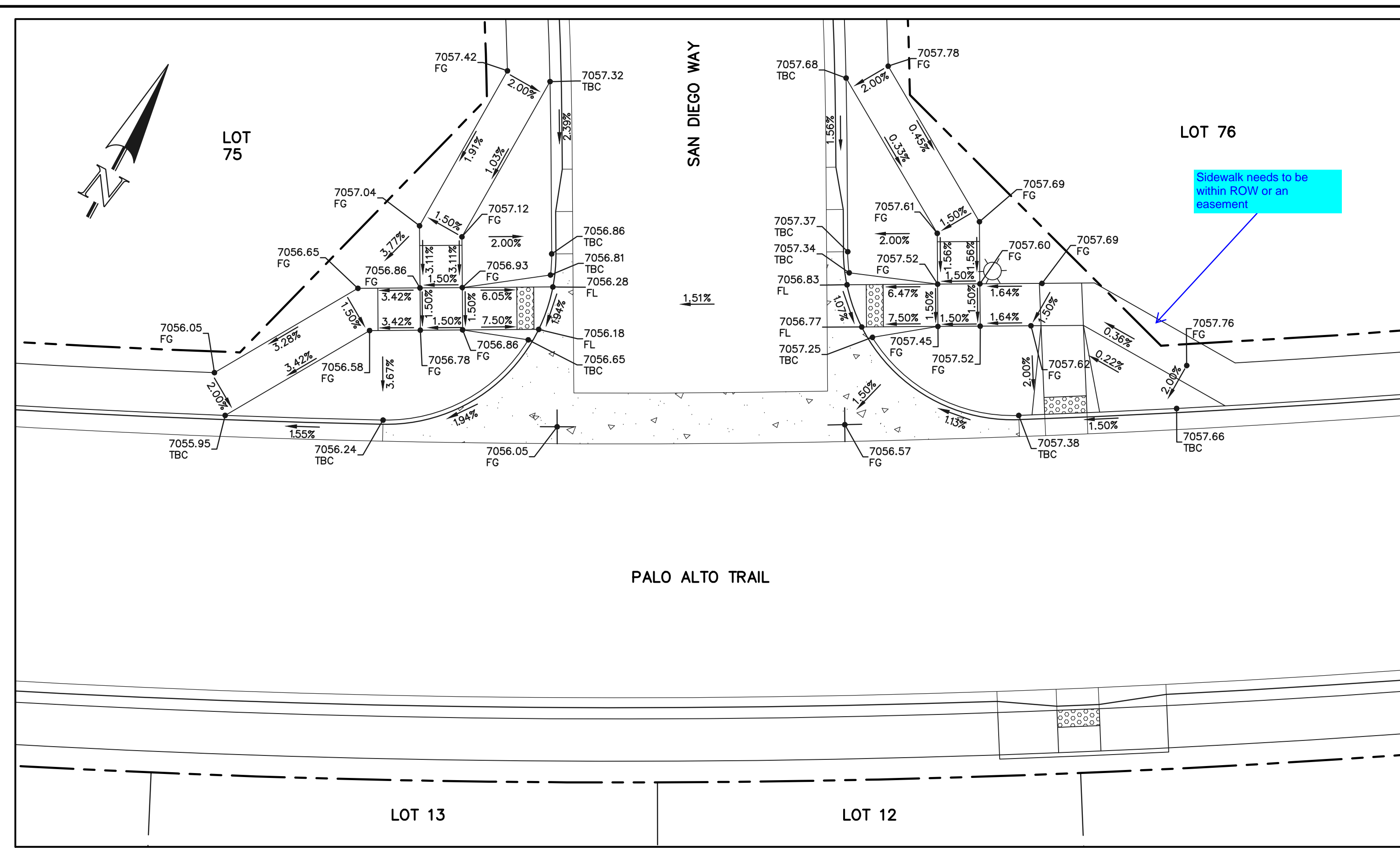
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| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 19 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

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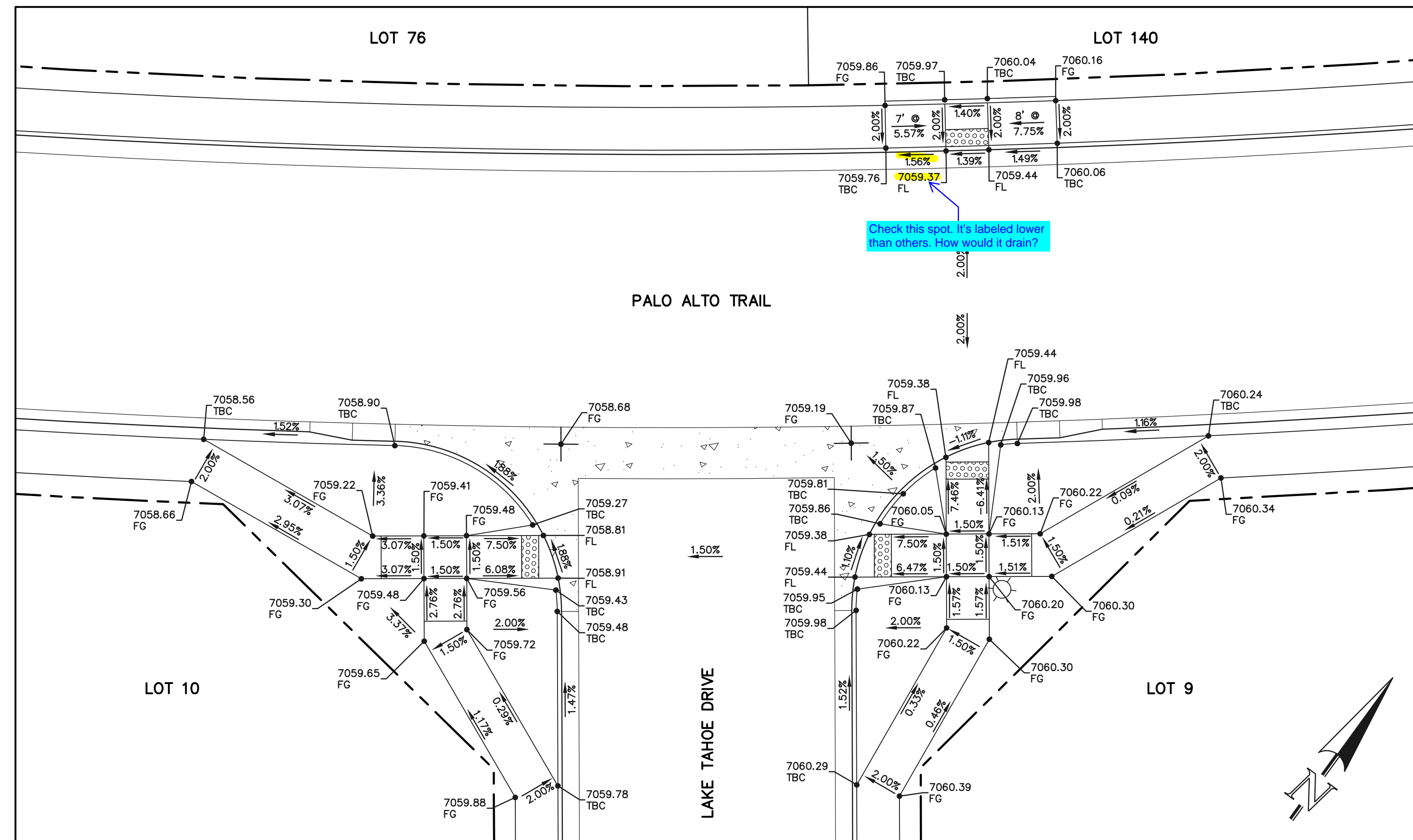
SECTION 'A'

Provide details or notes for attachment of sidewalks to inlets to meet ADA requirements



SECTION 'B'

Sidewalk needs to be within ROW or an easement



SECTION 'C'

Check this spot. It's labeled lower than others. How would it drain?



SCALE: 1" = 10'

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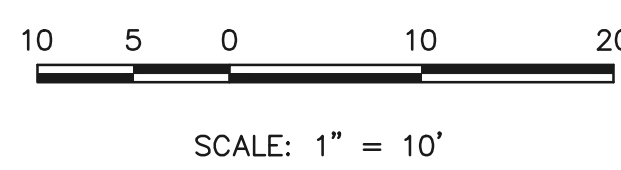
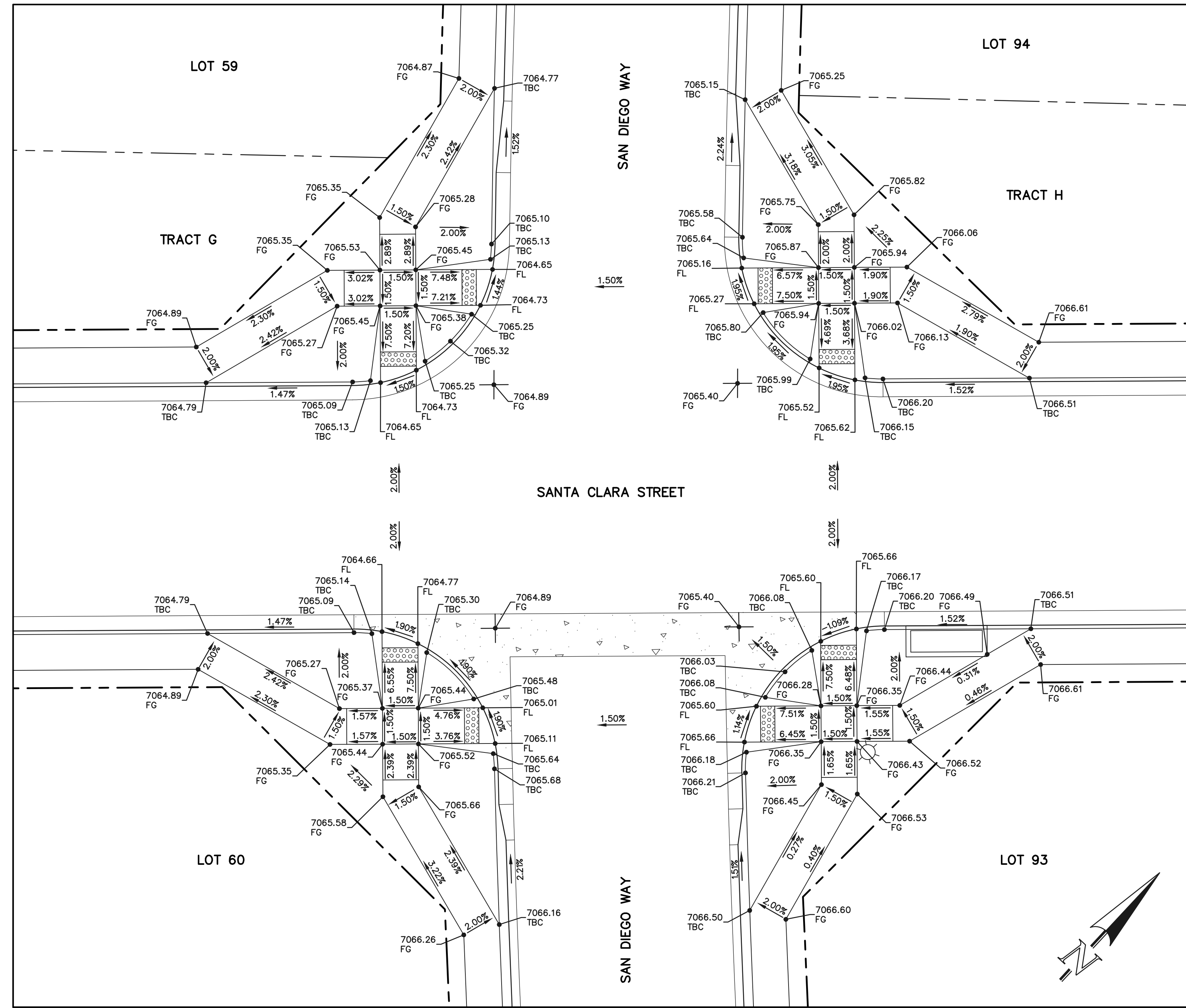
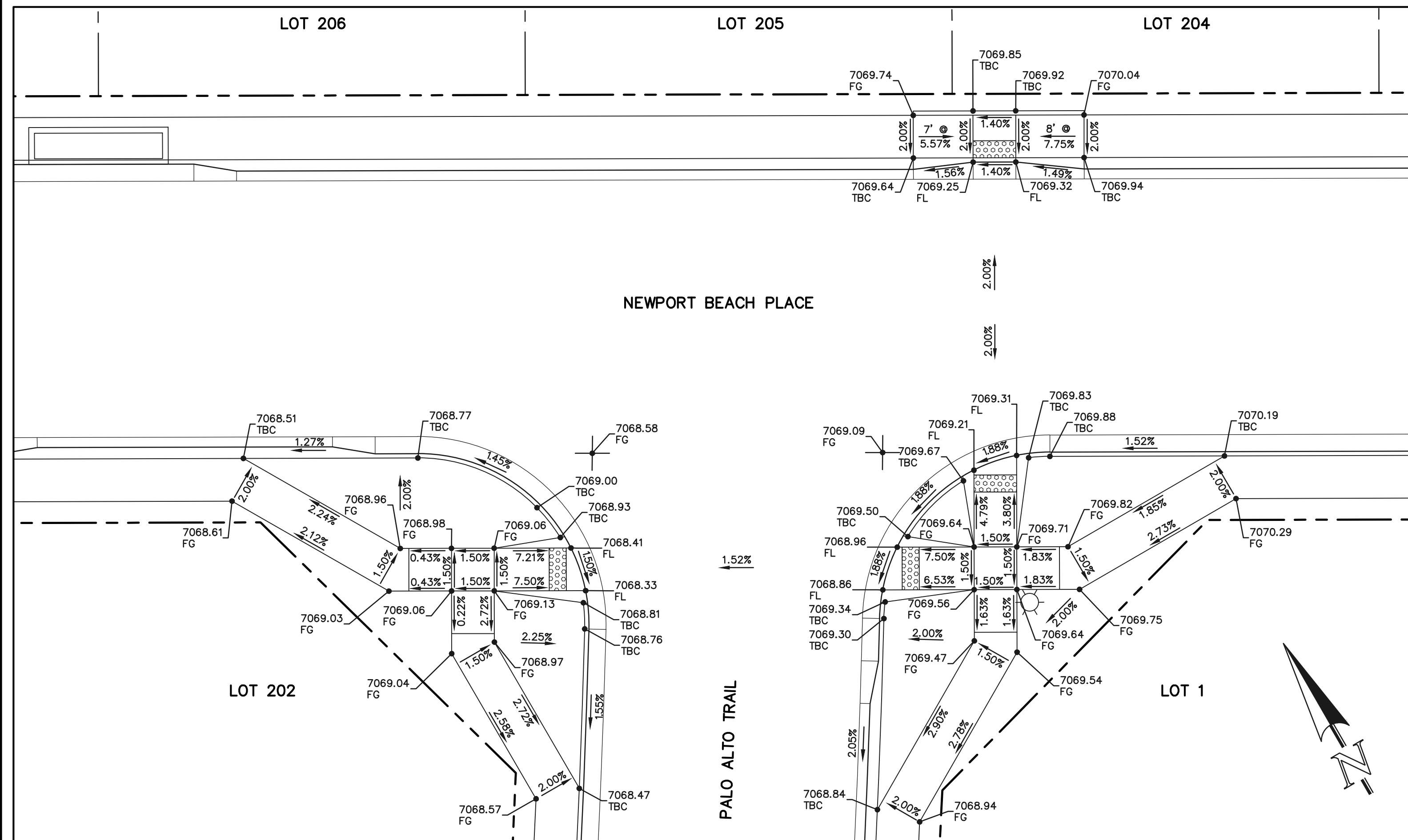
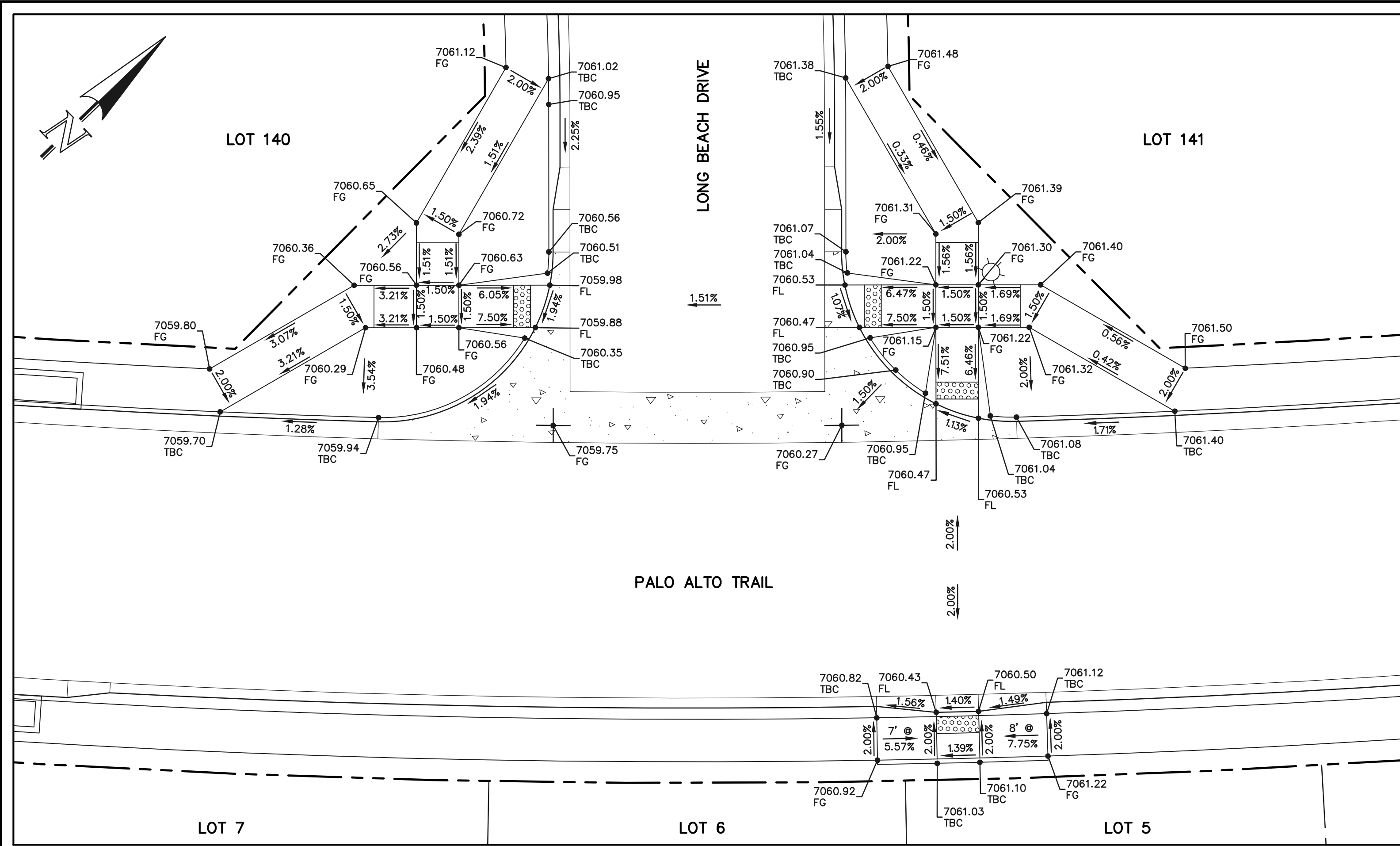
STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
PEDESTRIAN RAMP DESIGN

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|-------------|-----|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 10' | SHEET | 20 OF 53 |
| CHECKED BY | (V) | 1" = N/A | JOB NO. | 1183.30 |

PCD FILE #



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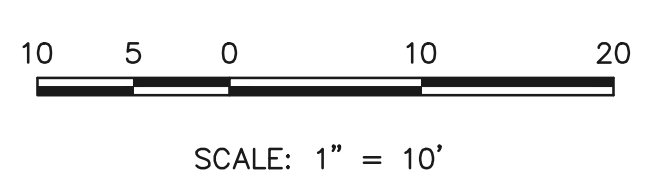
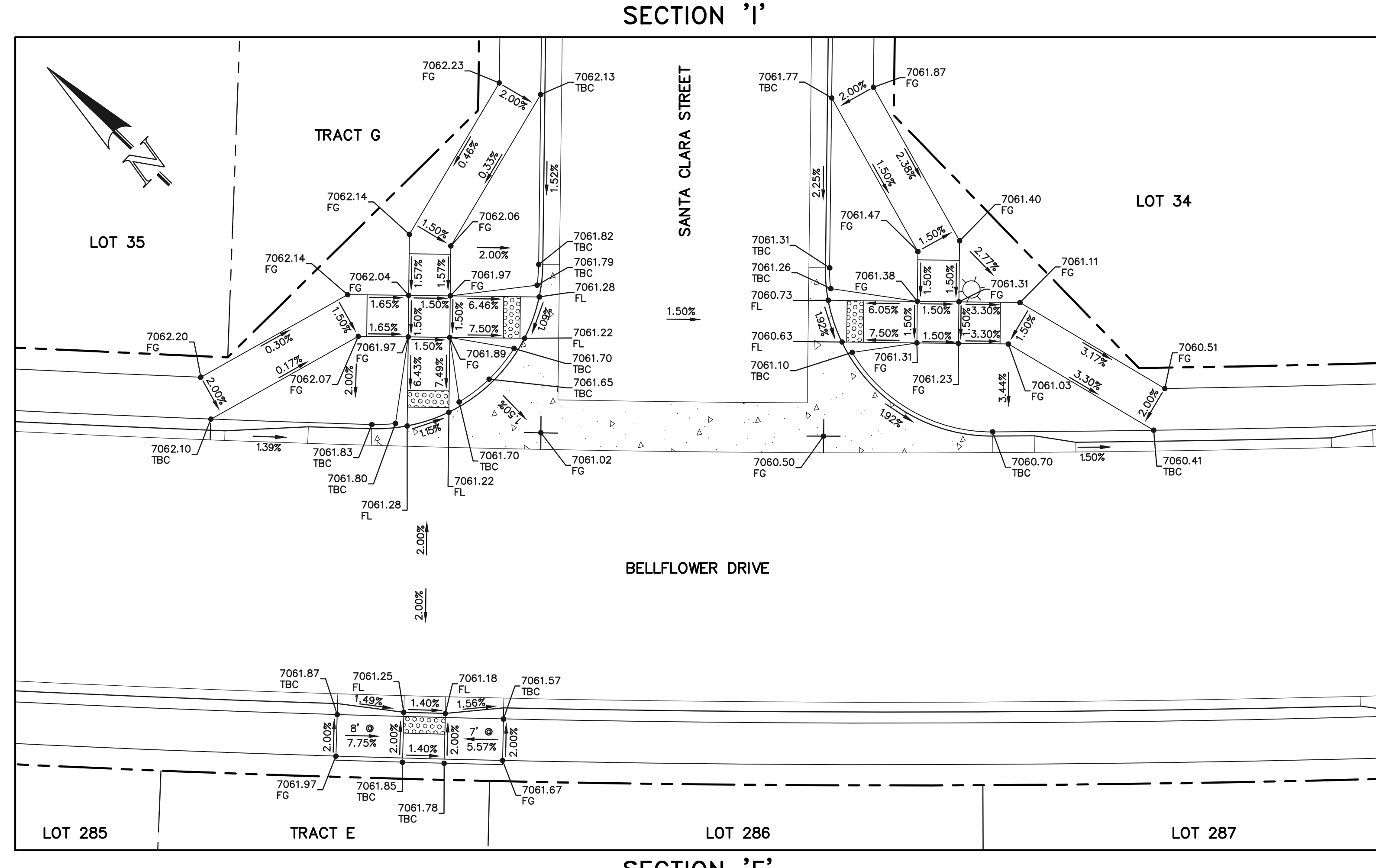
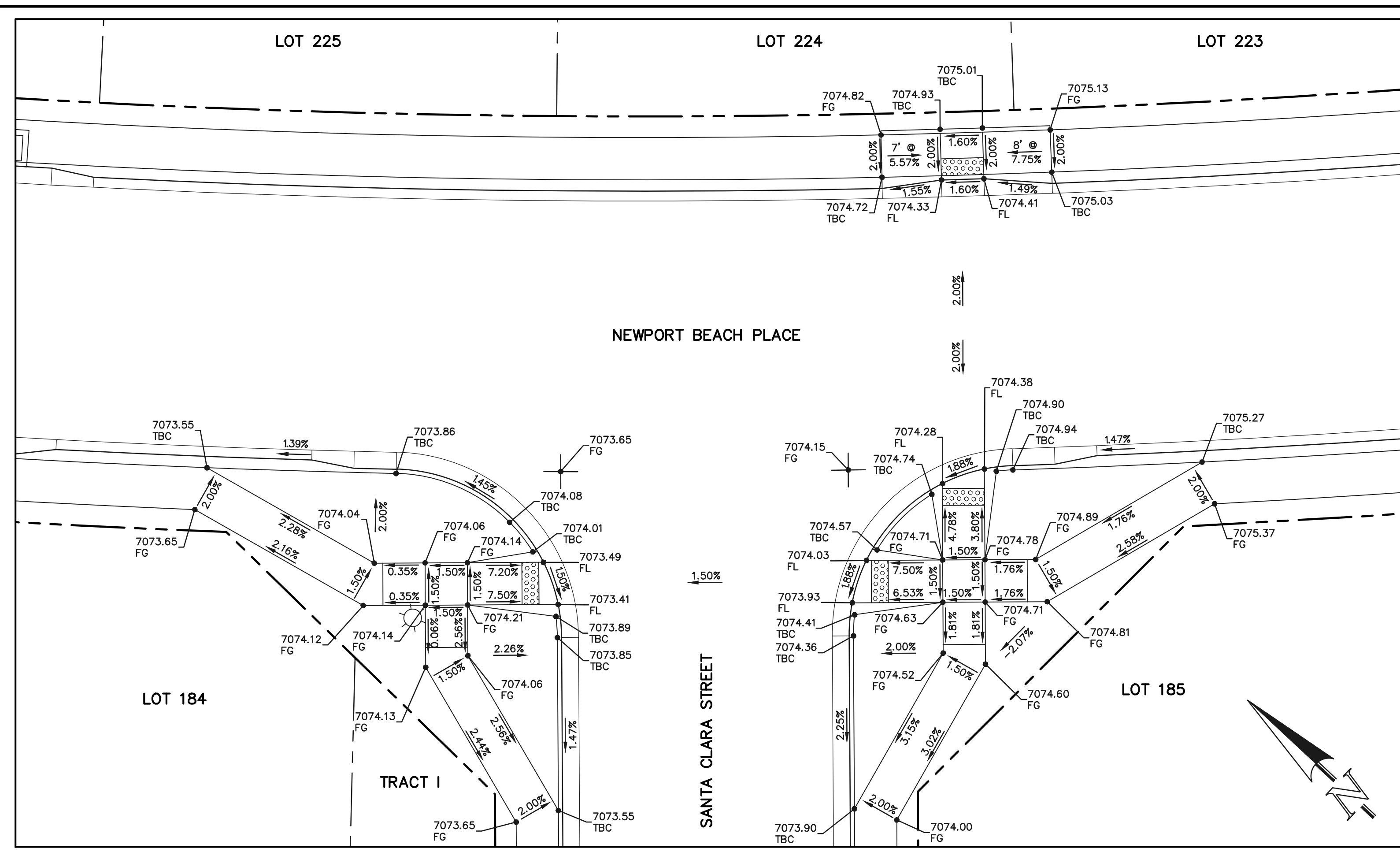
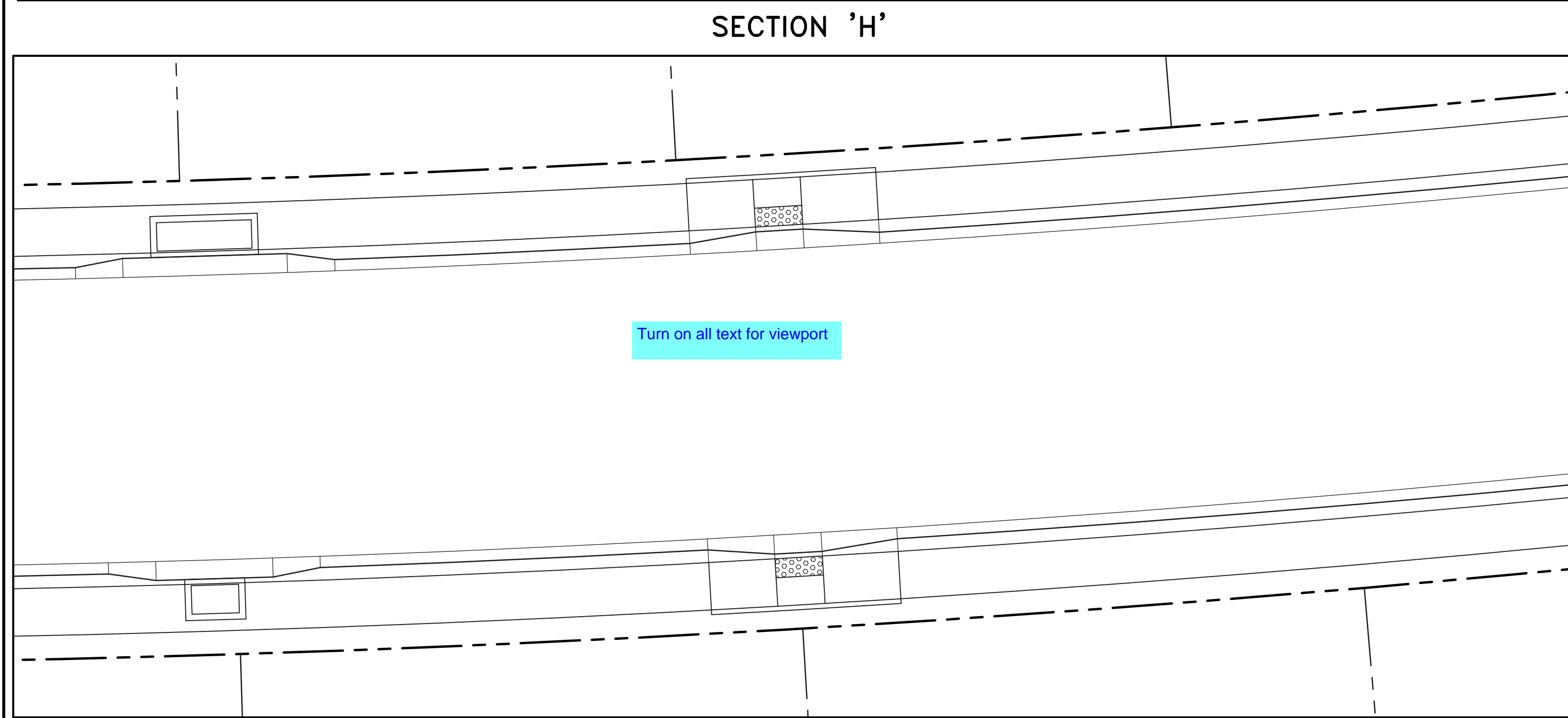
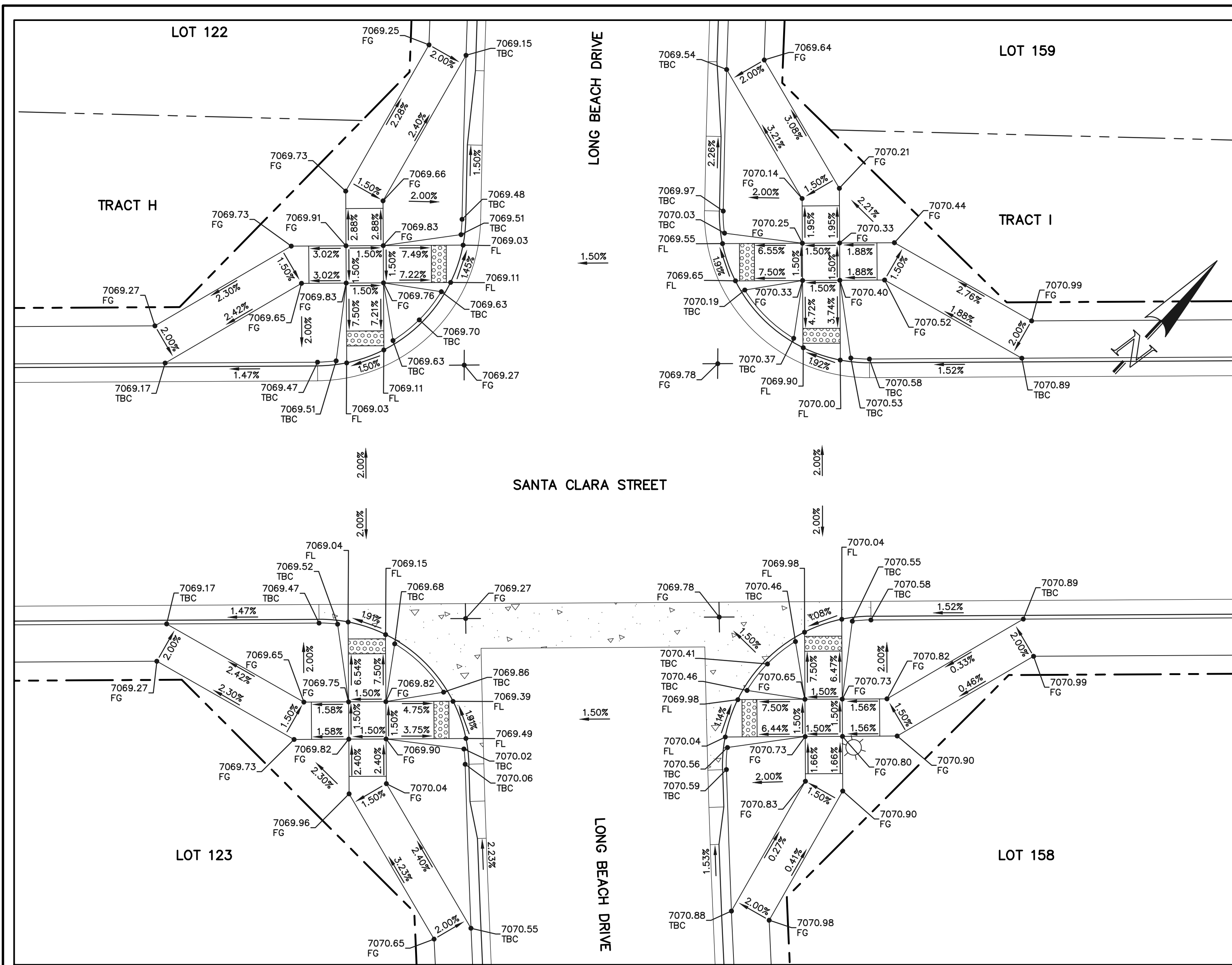


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PUBLIC STREET IMPROVEMENT PLAN
PEDESTRIAN RAMP DESIGN

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| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 10' | SHEET | 21 OF 53 |
| CHECKED BY | (V) | 1" = N/A | JOB NO. | 1183.30 |

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SECTION 'U'

SECTION 'F'

PCD FILE #

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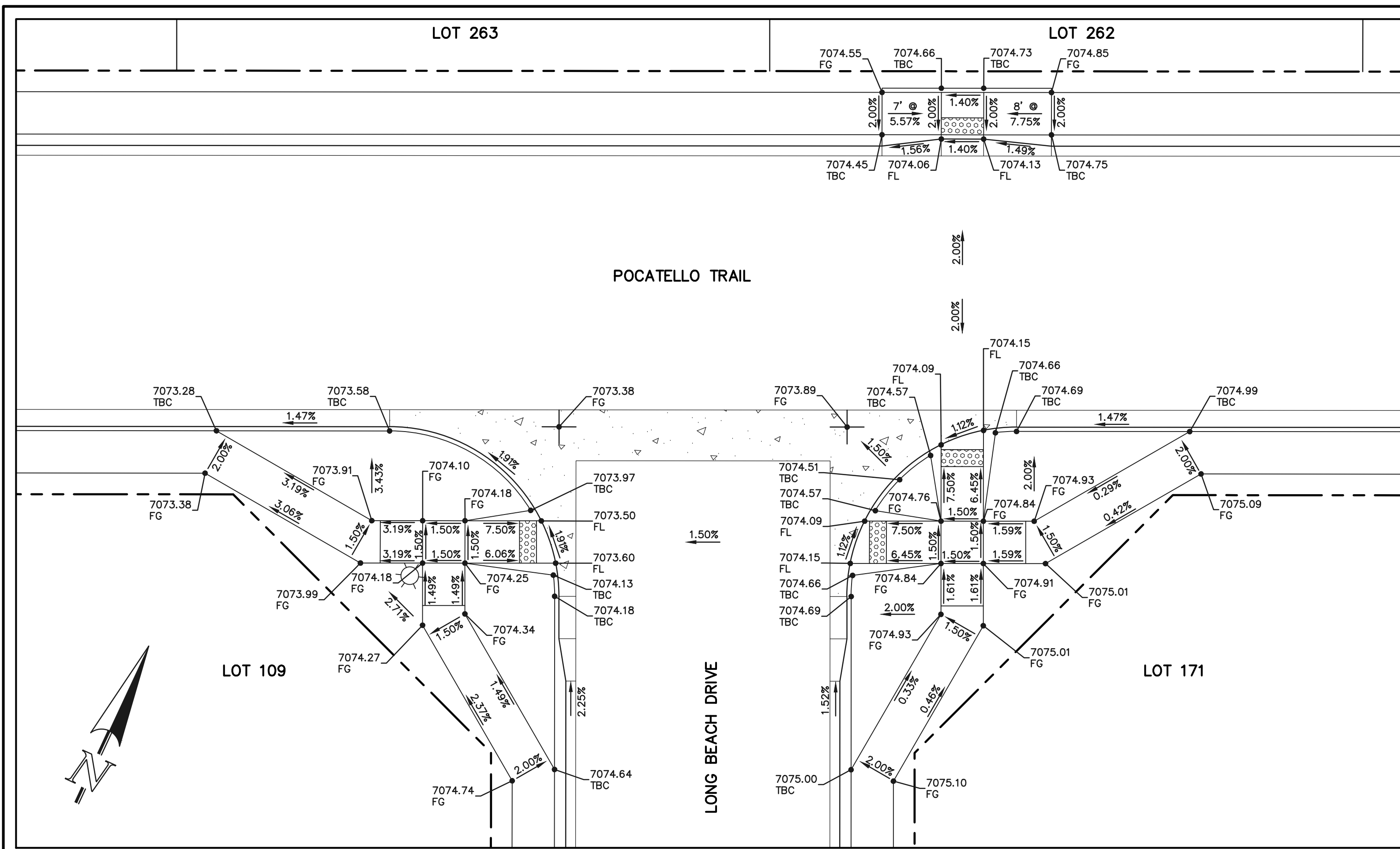
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



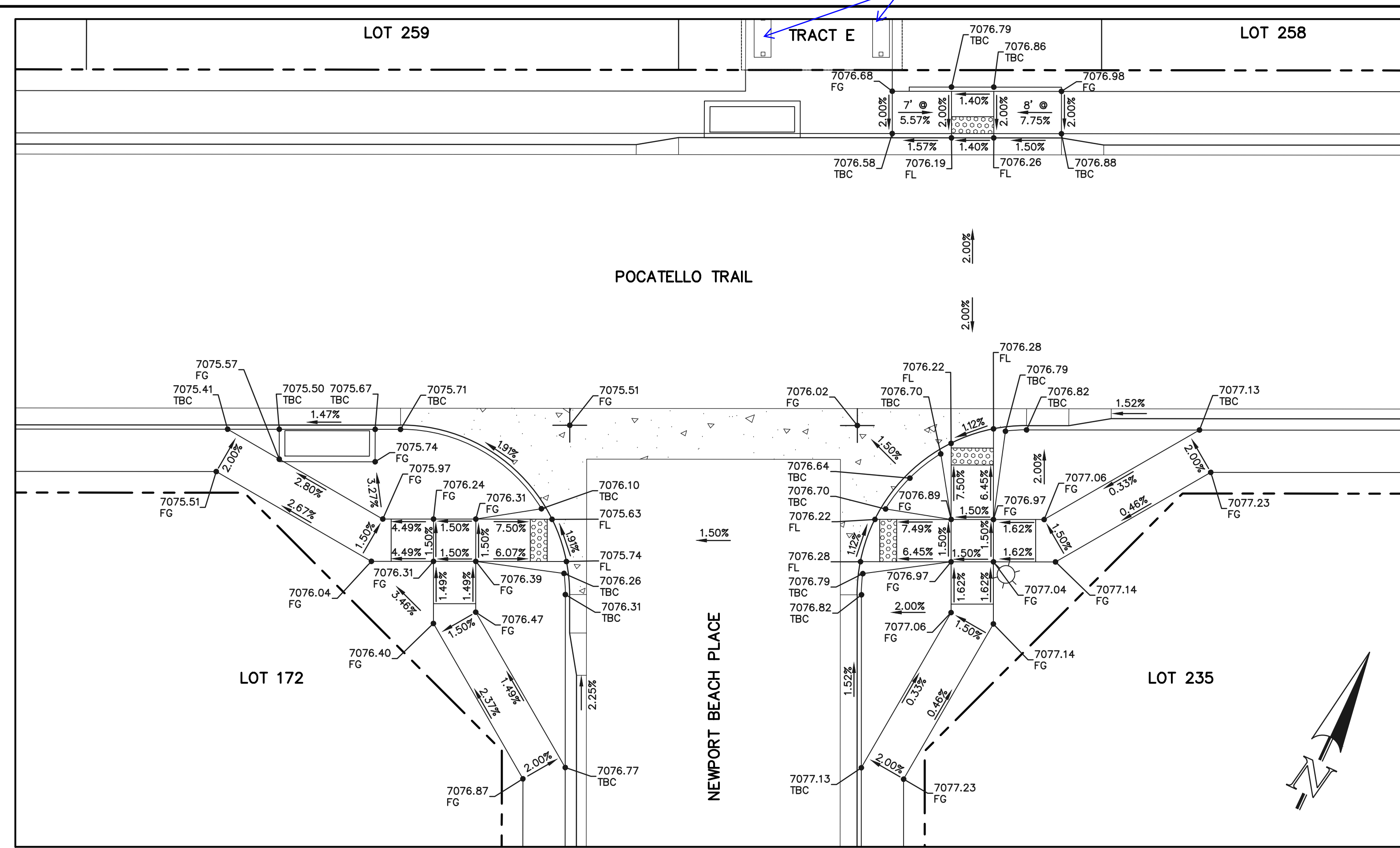
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PEDESTRIAN RAMP DESIGN

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| CHECKED BY | (V) | 1" = N/A | JOB NO. | 1183.30 |

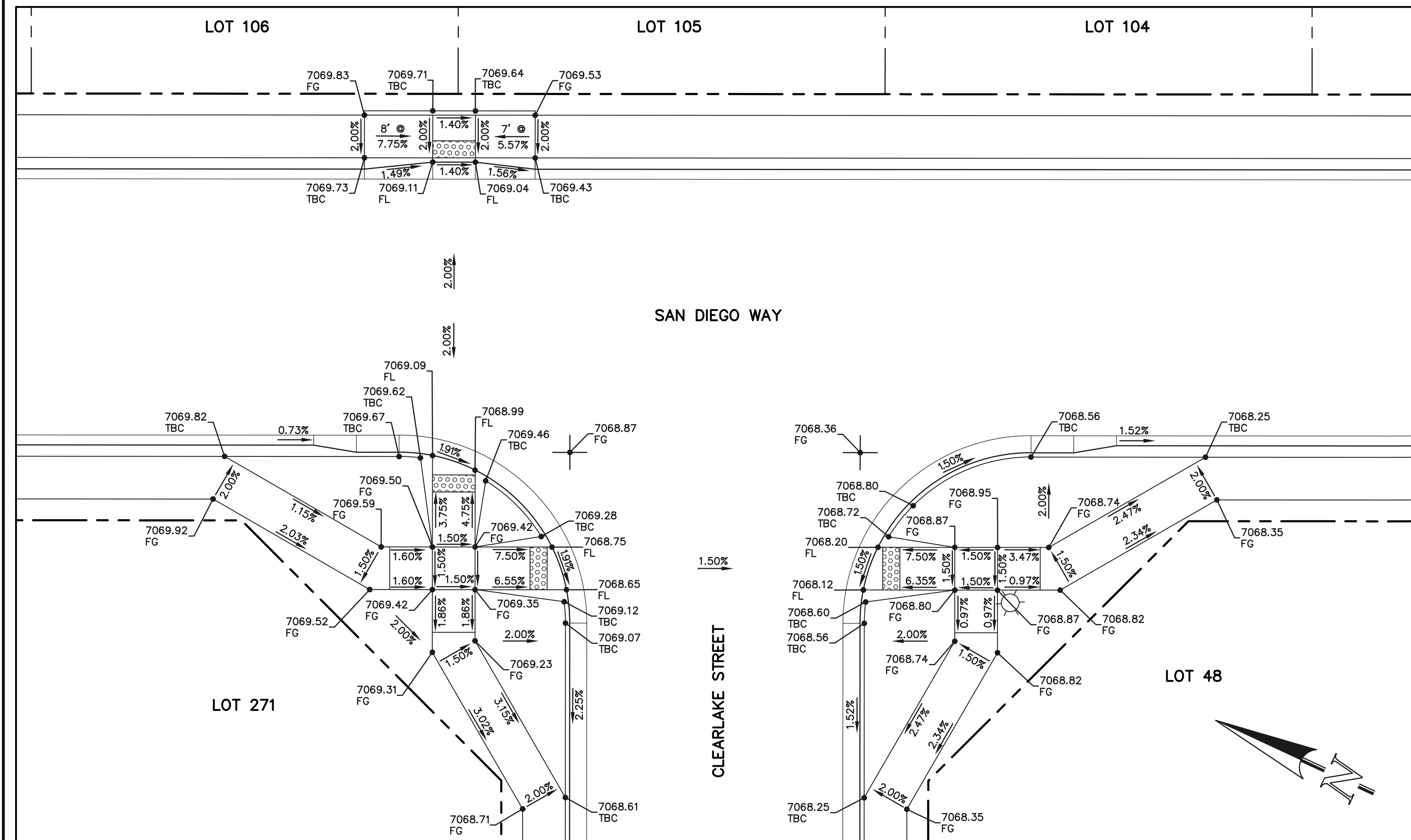




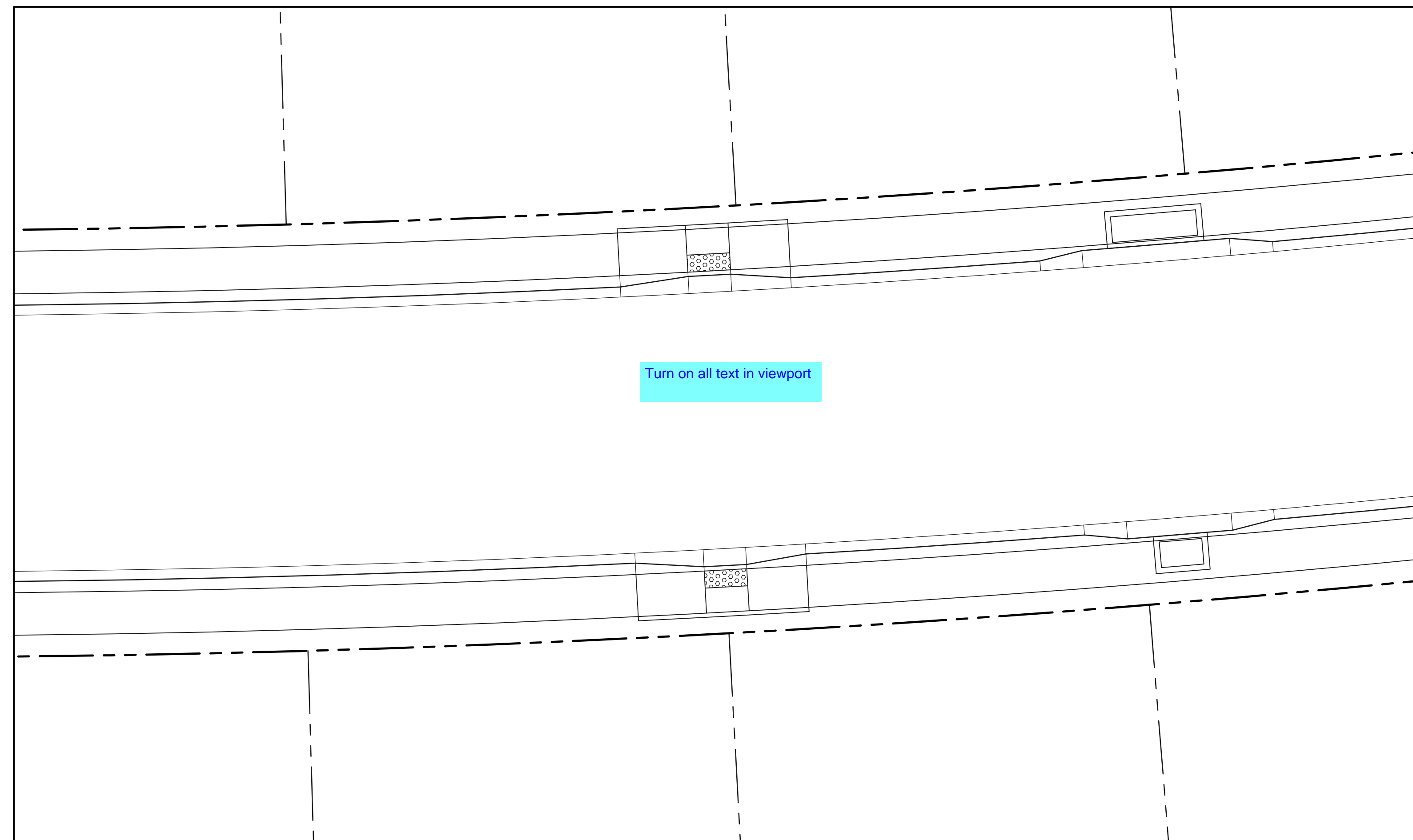
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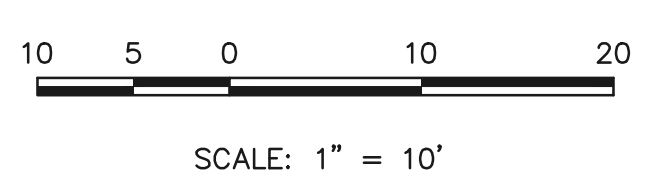
SECTION 'L'



SECTION 'J'



SECTION 'T'



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619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

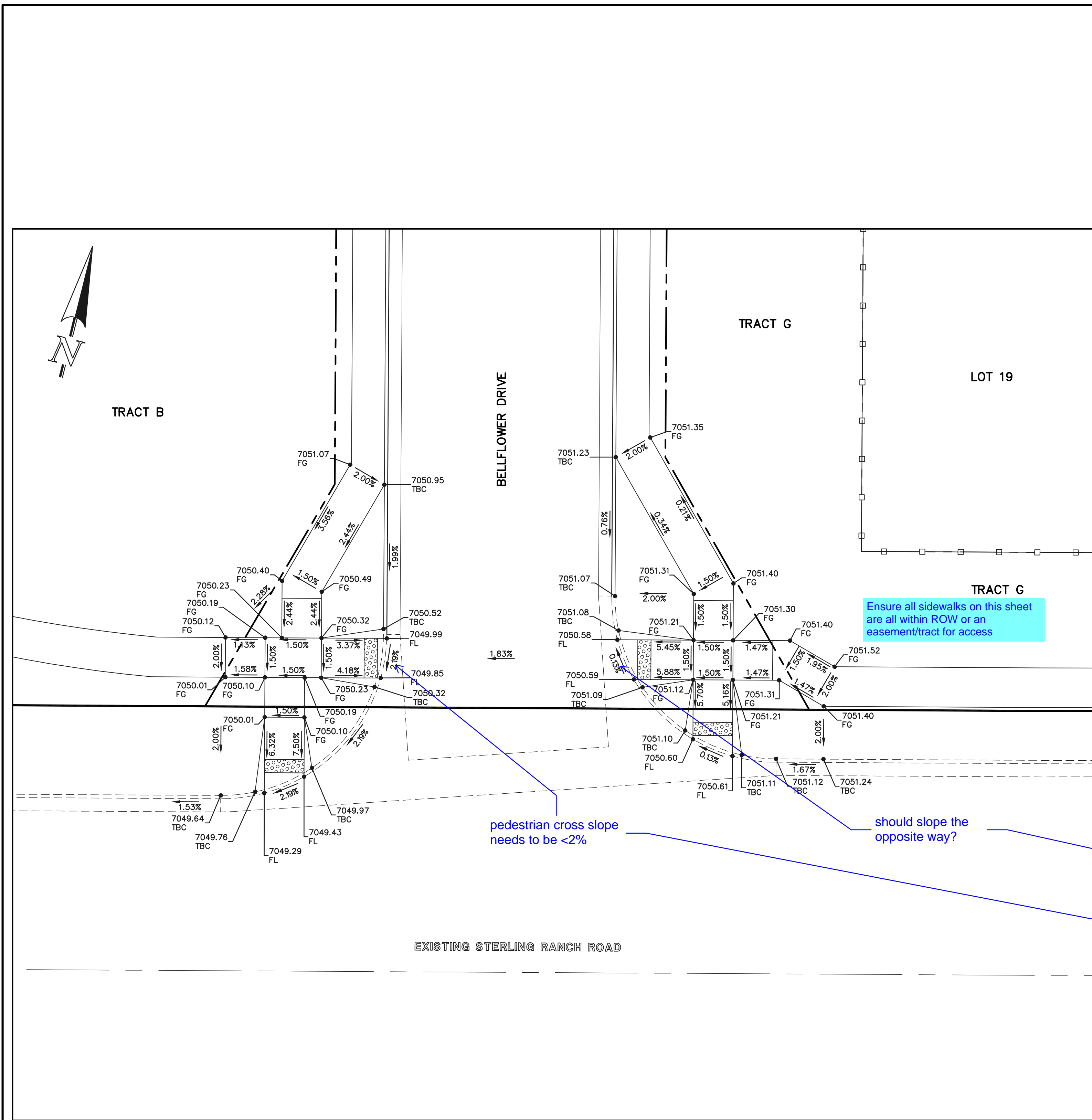
(719) 785-0790
(719) 785-0799 (fax)

PCD FILE #

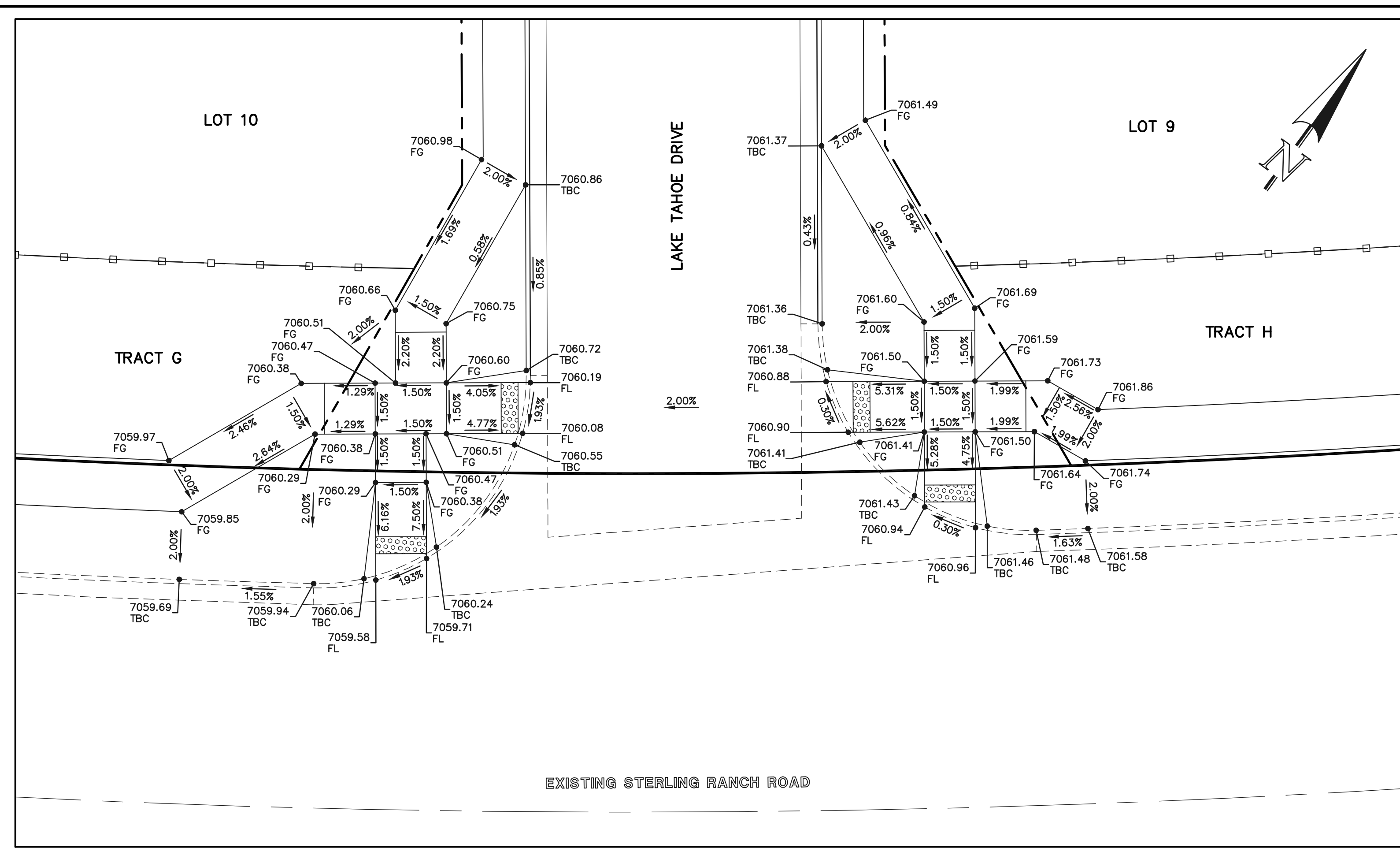
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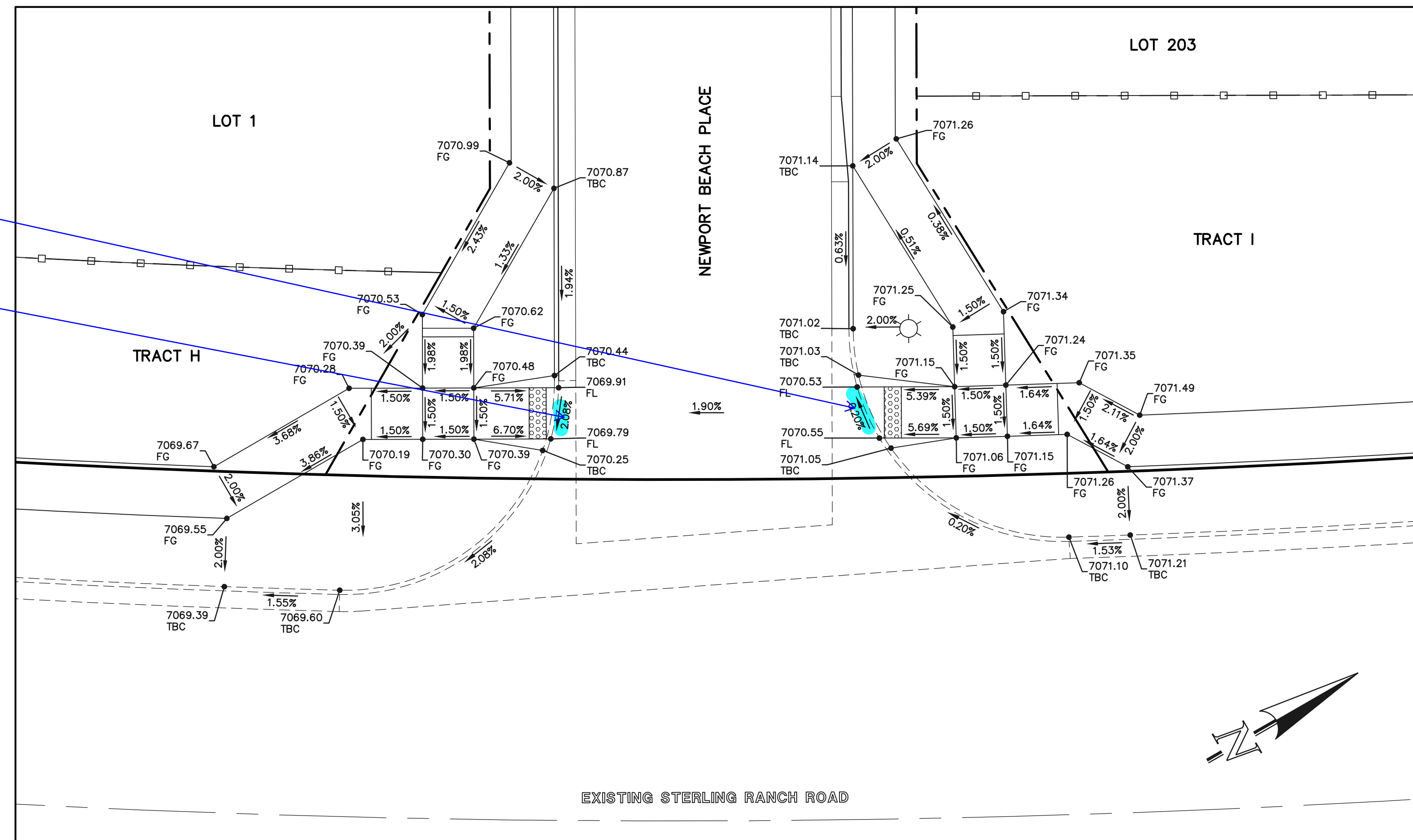
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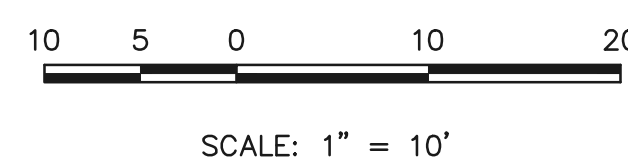
SECTION 'M'



SECTION 'N'



SECTION 'O'



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REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

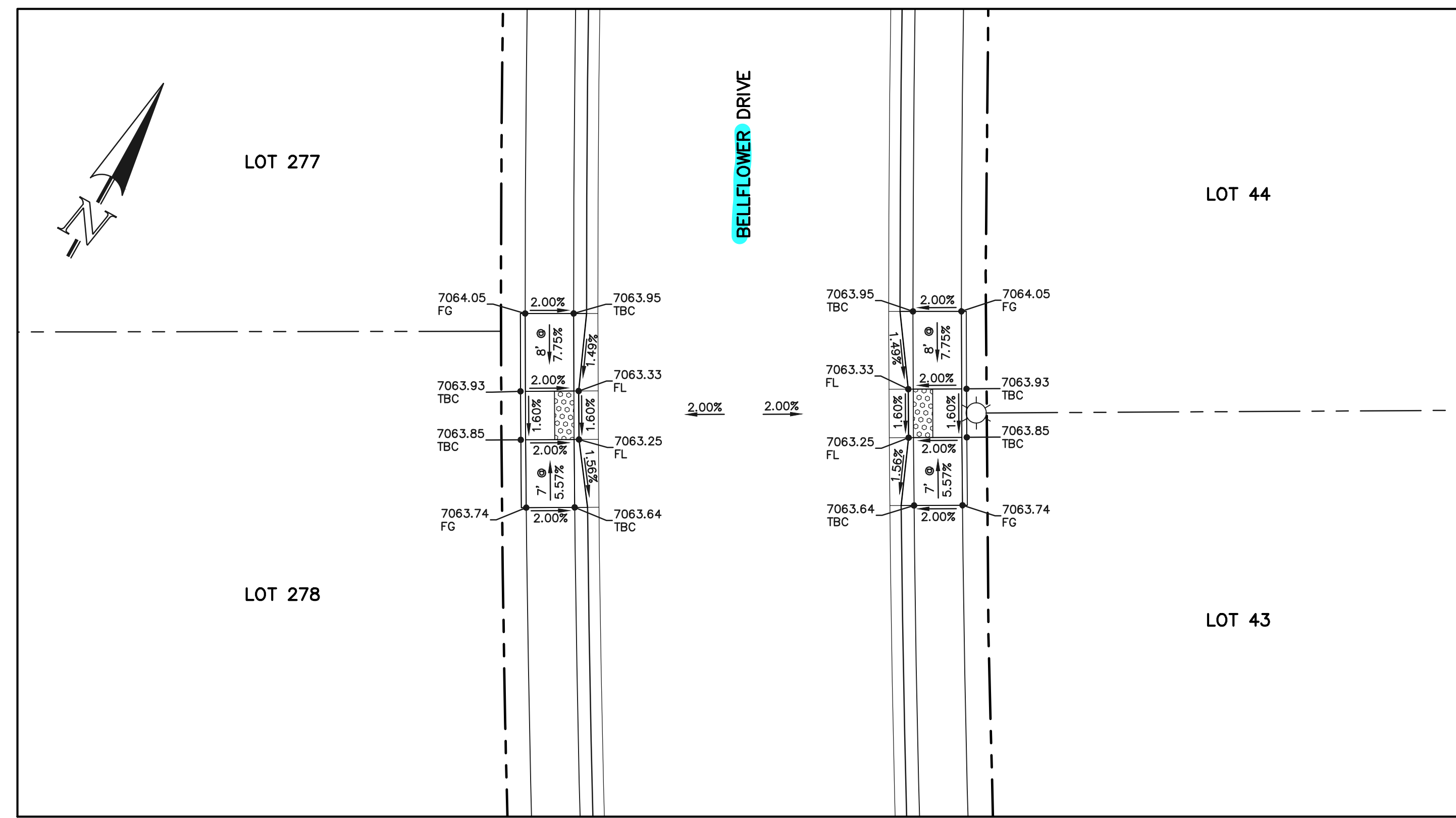
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

PCD FILE #

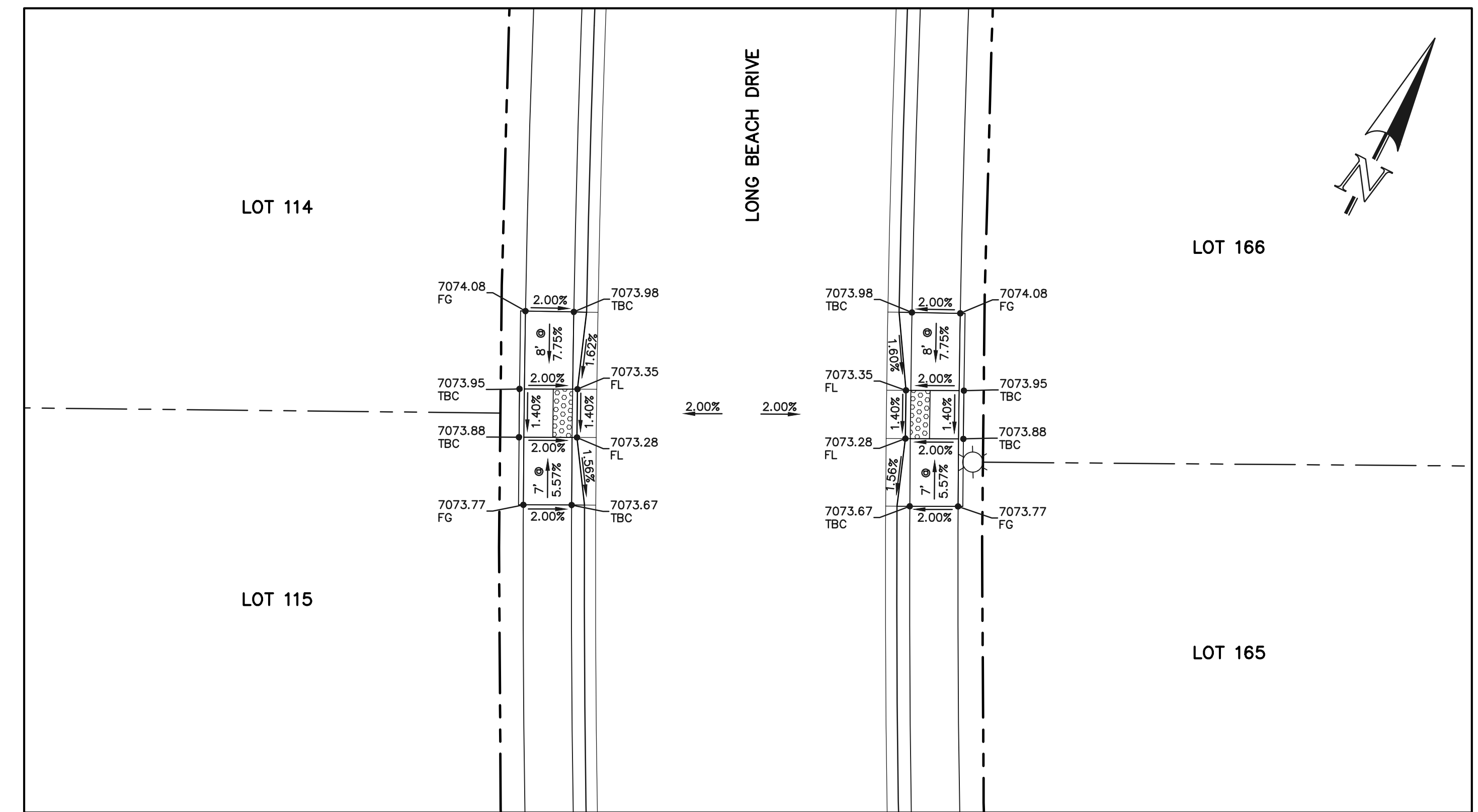
STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
PEDESTRIAN RAMP DESIGN

| | | | | |
|-------------|-----|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 10' | SHEET | 24 OF 53 |
| CHECKED BY | (V) | 1" = N/A | JOB NO. | 1183.30 |

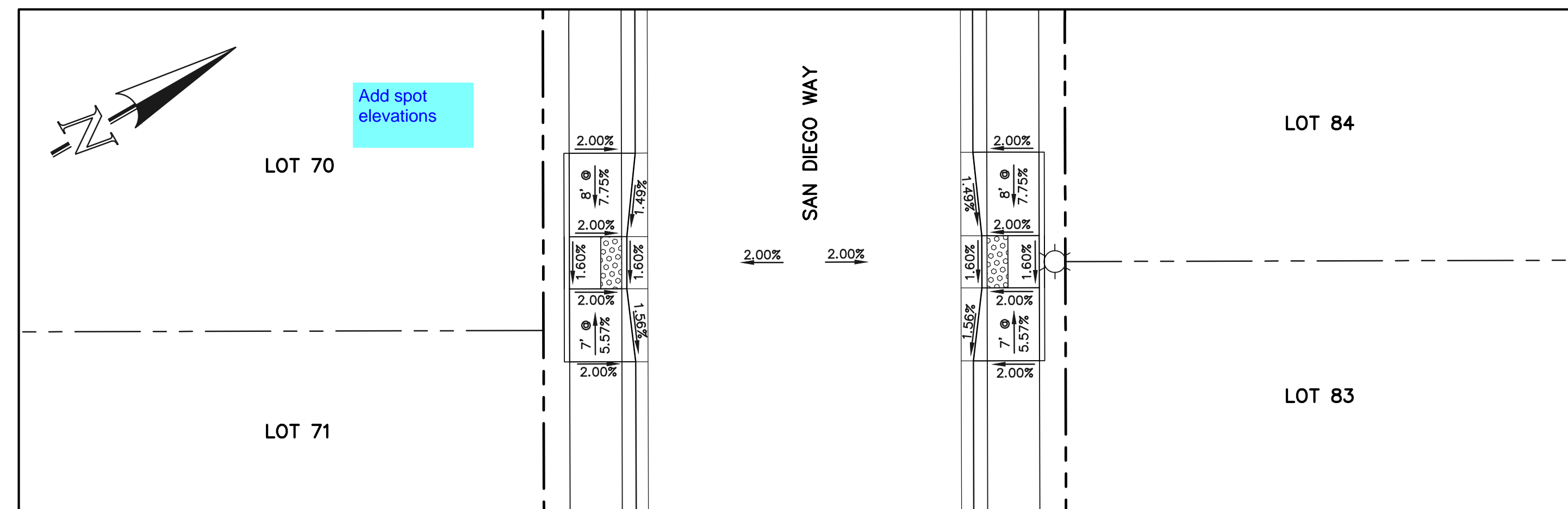
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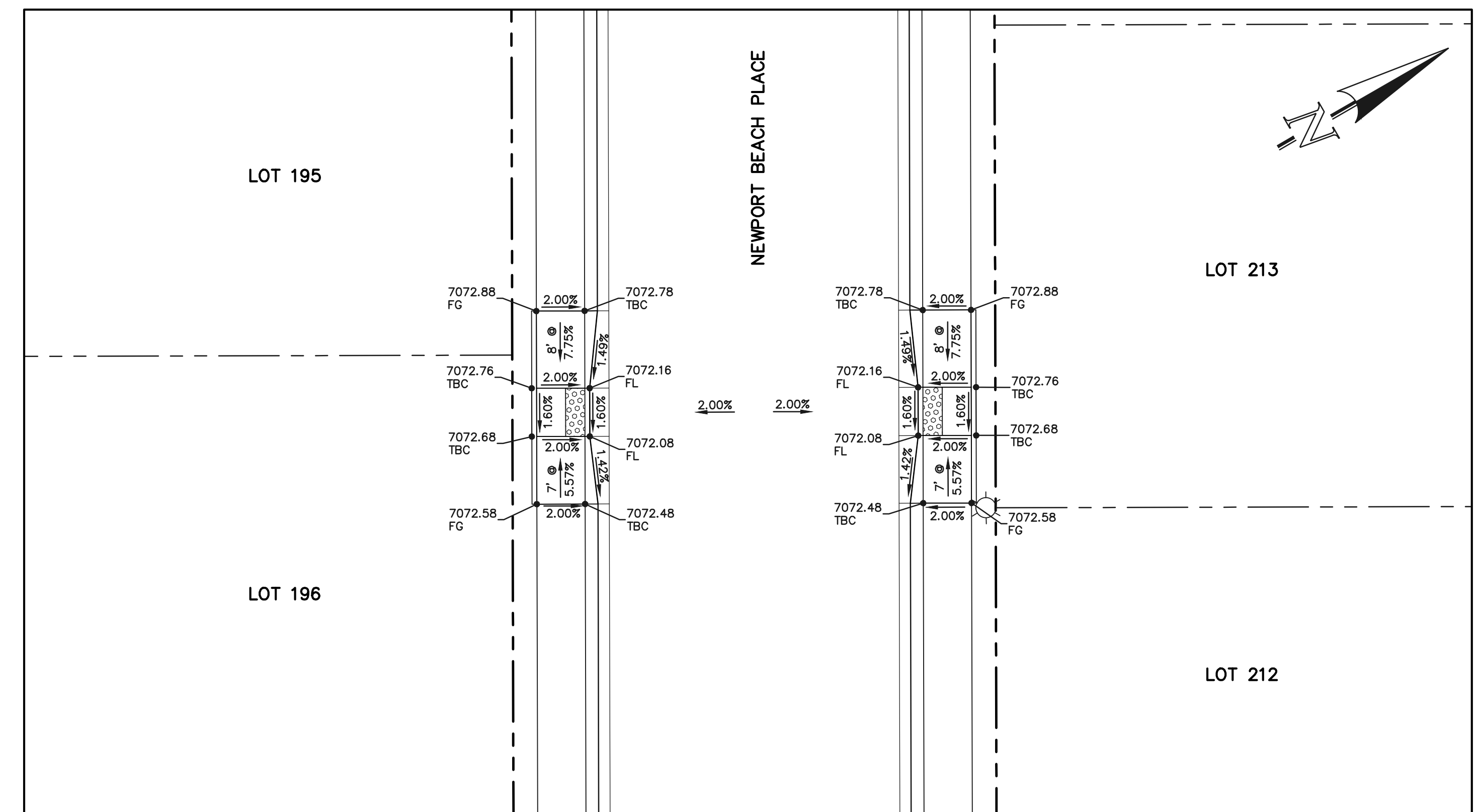
SECTION 'P'



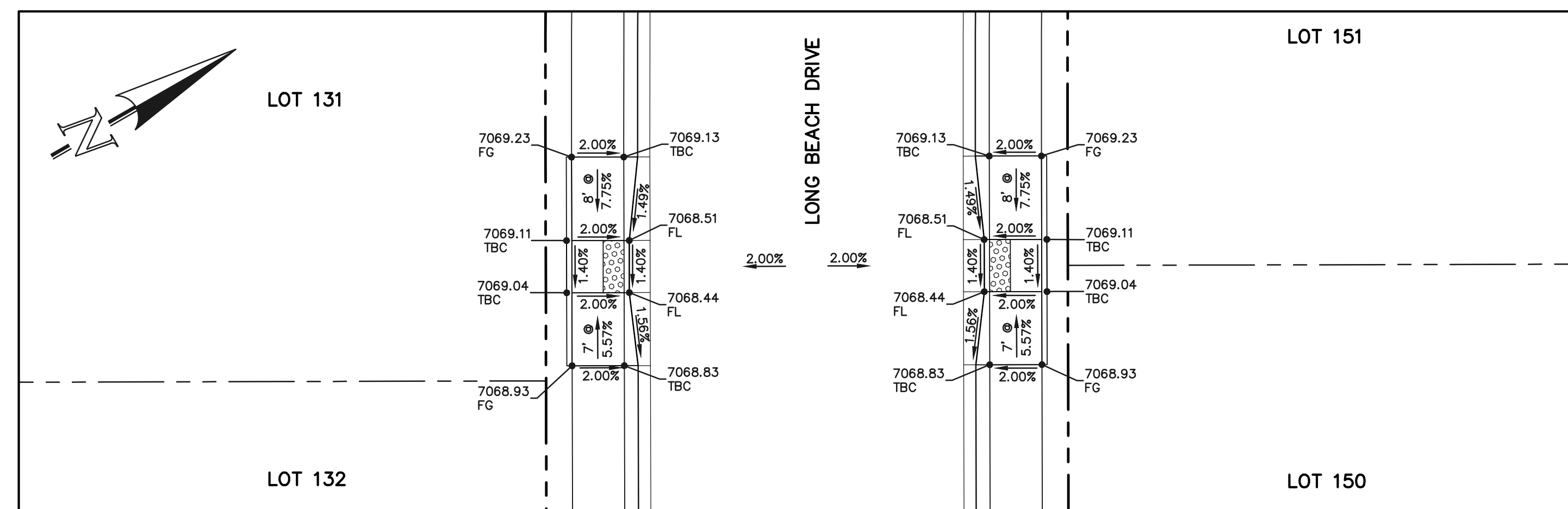
SECTION 'Q'



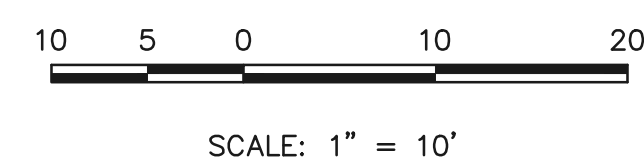
SECTION 'R'



SECTION 'T'



SECTION 'S'



48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION | DATE |
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REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

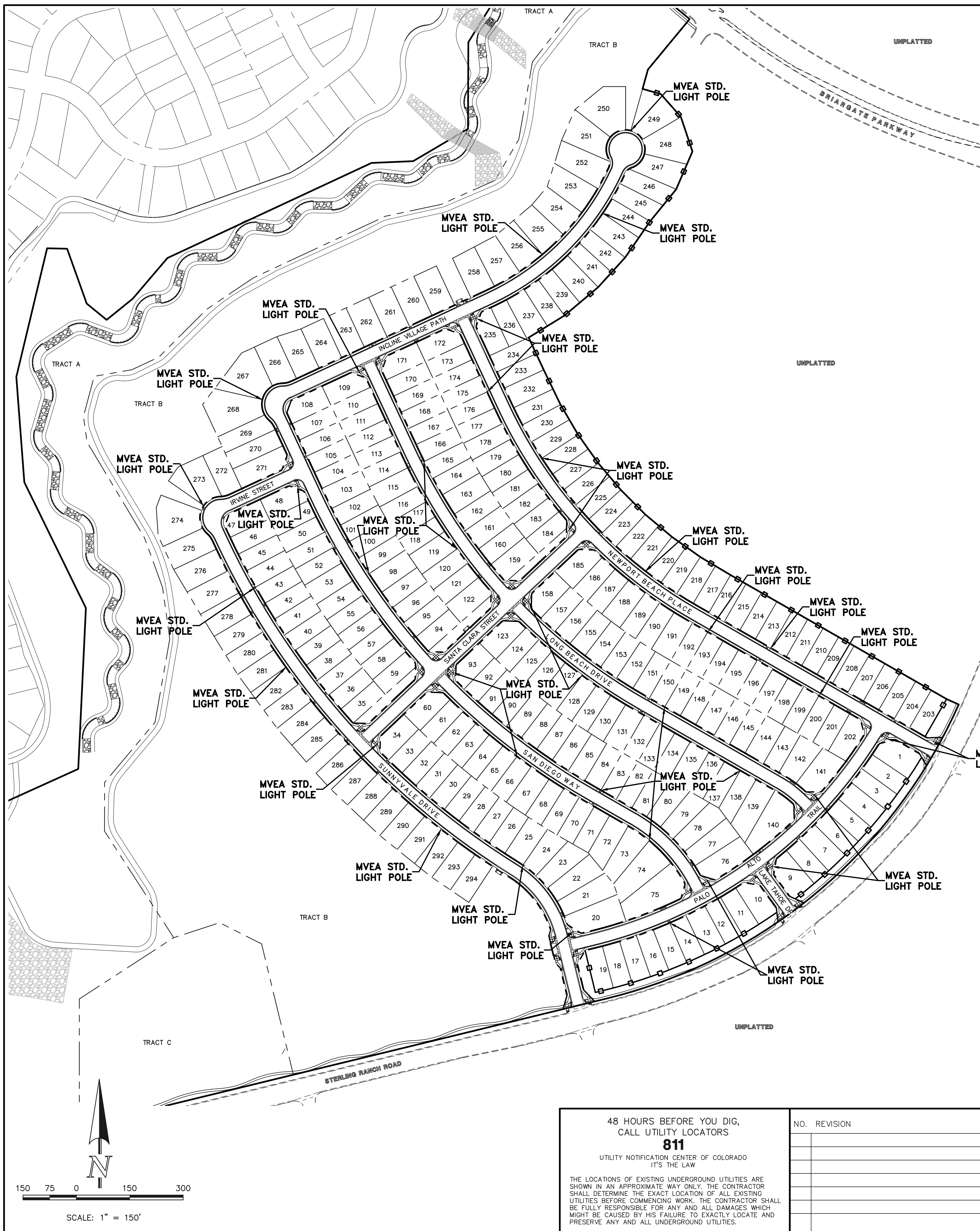
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

PCD FILE #

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STREET IMPROVEMENT PLAN
PEDESTRIAN RAMP DESIGN

| | | | | |
|-------------|-----|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 10' | SHEET | 25 OF 53 |
| CHECKED BY | (V) | 1" = N/A | JOB NO. | 1183.30 |

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American Revolution LED Series 247L

PRODUCT OVERVIEW

Features:

- Die-cast aluminum housing and hood for long-life performance
- Die-cast trigger latch (TL) and captive thumb screws option available for easy access to internal components
- Optical assembly designed for maximum performance, available in Type II, Type III and Type V
- Hinged hood and captive thumb screws provision afford quick, easy access to electrical and optical areas for servicing
- Slipfitter with three set screws allows secure installation to pole sizes 2-3/8" or 3" O.D.
- Surge protection device (standard) exceeds ANSI C62.41 Category C1 criteria (surge tested at 10kV/5kA)
- Complies with ANSI: C136.2, C136.10, C136.15
- CSA listed and suitable for up to 30°C ambient
- Rated L70, LED life greater than 100,000 hours at 25°C
- Replaces up to 150W HPS light source incumbent models
- LED electronic 0V-10V dimmable driver
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Applications:

- Streetscapes
- Walkways
- Pathways
- Parks

MVEA SPEC # 247 L 10LEDE10 MVOLT 4K RS AY PCLL

DIMENSIONS

Effective Projected Area (EPA)
The EPA for the American Revolution Series 247 is 1.6 sq. ft.
P5 or P7 option total height is 26.8 (682).
Approx. Wt. = 36 lbs.

Note: Specifications subject to change without notice.
American Revolution Series 247L LED

American Revolution LED Series 247L

ORDERING INFORMATION

Example: 247L 20LEDE70 MVOLT 4K R3 AY

| Series | Performance Package | Voltage | Color Temperature (CCT) |
|------------------------------|--|--|----------------------------------|
| 247L American Revolution LED | 20LEDE10 20 Chips, 1050 mA Driver, 72 input watts 20LEDE70 20 Chips, 700 mA Driver, 45 input watts 10LEDE10 10 Chips, 1050 mA Driver, 36 input watts 10LEDE70 10 Chips, 700 mA Driver, 25 input watts 10LEDE35 10 Chips, 525 mA Driver, 18 input watts 10LEDE36 10 Chips, 350 mA Driver, 13 input watts | MVOLT Multi-volt, 120-277V 347 347V 480 480V | 3K 3000K 4K 4000K 5K 5000K |

| Distribution | Optics | Options |
|--|--------------------------------|--|
| R2 Type II R3 Type III R5 Type V | AY Acrylic PY Polycarbonate | Paints (blank) GF Gray DBR Dark Bronze WH White BZ Bronze Photocontrol (blank) NR 1 No Photocontrol Receptacle (dimmable driver included) P5 5 pin NEMA Photocontrol Receptacle (dimmable driver included) P7 7 pin NEMA Photocontrol Receptacle (dimmable driver included) PCLL 11 Not CSA Listed Solid State Long Life Photocontrol (120-277V) PCLL 11A Not CSA Listed Solid State Long Life Photocontrol (120-277V) |

Accessories:

- SS Stainless steel hardware
- NL NEMA Label
- XL Not CSA Listed
- TL Tool-less Entry
- LDR Ladder Rest
- SH Shorting Cap
- SHX Not CSA Listed Shorting Cap
- HSB House Side Shield Black
- HSW House Side Shield White
- CR Enhanced Corrosion Resistant Finish
- RCC ROAM Dimming Node Cupola Cover
- RNC57 ROAM Dimming Node Cupola Cover

Notes:

- Other colors available, please contact factory
- PC and SH not available with NR option
- Taller cupola cover (RCC) is required when used with ROAM or other similar wireless monitoring control systems
- Standard failure mode "Fail On"
- Photocontrols supplied with ANSI Standard Turn-On levels
- XL option is required
- Ships with unit, field installed
- Required when using ROAM or other similar wireless monitoring control systems

AEL American Electric Lighting
AEL Headquarters, 3825 Columbus Road, Granville, OH 43032
www.americanelectriclighting.com
© 2017 Acuity Brands Lighting, Inc. All Rights Reserved. 07/20/17

Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Forms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.
Please contact your sales representative for the latest product information.

LIGHT POLE OWNERSHIP AND RESPONSIBILITY:

DEVELOPER RESPONSIBLE FOR COST OF POLE DESIGN AND INSTALL

MVEA OWNS AND MAINTAINS LIGHT POLES UPON INSTALL

LOCAL DISTRICT/HOA RESPONSIBLE FOR LIGHT POLE ELECTRICITY COSTS

LIGHT POLE LOCATION WITHIN URBAN ROADWAY:

CRITERIA PER ECM 4.3.5.D.2

URBAN LOCAL CLEAR ZONE = 12'

POLE LOCATION = 6.5' MIN. FROM TBC AND 1.0' INSIDE 50' ROW

LIGHT POLE NOTES:

ALL LIGHT FIXTURES MOUNTED WITHIN 15' OF ANY RESIDENTIAL PROPERTY LINE OF THE SITE SHALL BE CLASSIFIED AS IES TYPE II OR TYPE III, OR FIXTURE DEMONSTRATED TO PROVIDE SIMILAR DISTRIBUTION PATTERNS AND SHIELDING PROPERTIES. FIXTURES SHALL BE FITTED WITH "HOUSE SIDE SHIELD" REFLECTORS ON THE SIDES FACING THE RESIDENTIAL PROPERTY LINE. LDC 6.2.3

HEIGHT, NO FREESTANDING LIGHT FIXTURES SHALL BE MOUNTED HIGHER THAN 15 FEET, EXCEPT PARKING LOT LIGHT FIXTURES WHICH SHALL BE MOUNTED NO HIGHER THAN 20 FEET UNLESS AN ALTERNATIVE LIGHTING PROPOSAL IS APPROVED IN ACCORDANCE WITH THIS CODE. LDC 6.2.3

ORIENTATION VIEWED FROM TOP OF POLE

COLOR: BLACK

CMT
145 World Street
Evanston, IL 60201
800-416-4276
www.cmt.com

MOUNTAIN VIEW
CAT. NO.: TB23-D-50-3-H-T238

| | | | |
|---------------|-------------|---------------------|-----------------------|
| QUANTITY: | JOB NUMBER: | SPECS: | WIND VEL.: |
| PO. NUMBER: | APPD BY: | TOT. LENGTH: 23'-0" | 100@1.3 |
| REV. DATE BY: | REMARKS: | EMBED. DEPTH: 4'-0" | LUM. WEIGHT: 50 lbs. |
| QUOTE: | | TIP WIDTH: 4.41" | LUM. EPA: 3.50 sq.ft. |
| | | WEIGHT: 50 lbs. | STATIC DEFL.: |
| | | DRAWN BY: PLF | TOTAL DEFL.: |
| | | | DATE: 01/16/2017 |

PCD FILE #

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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| NO. REVISION | DATE | REVIEW: |
|--------------|------|---------|
| | | |
| | | |

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

CLASSIC CONSULTING

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799(fax)

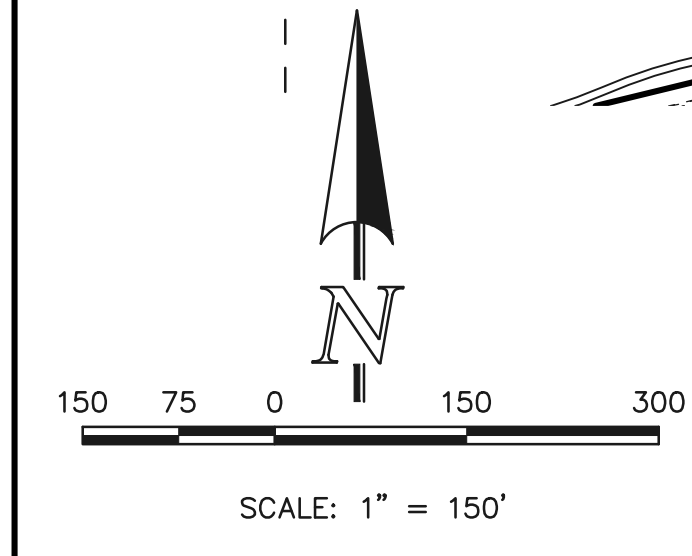
STERLING RANCH EAST FILING NO. 1

CONSTRUCTION PLANS

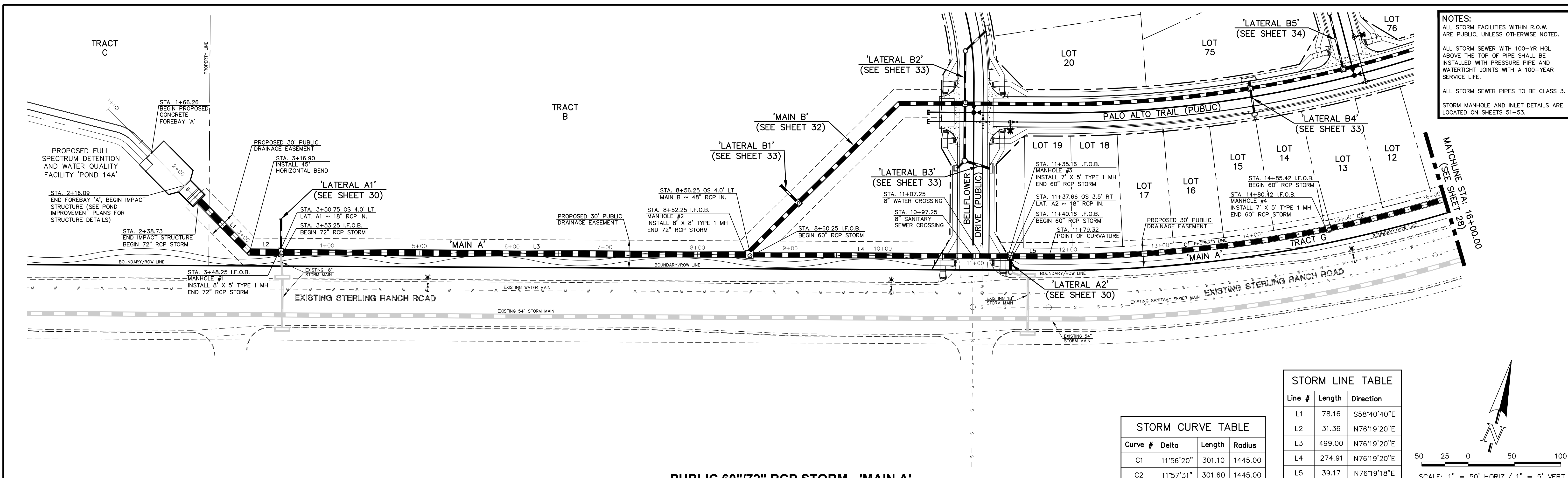
PUBLIC STREET IMPROVEMENT PLAN

STREET LIGHT POLE LOCATION

| | | | | |
|-------------|--------------|--------------|---------|----------|
| DESIGNED BY | MES | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = N/A | SHEET | 26 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 | |



N:\118330\DRAWINGS\CONSTRUCTION\STREETS\26-118330-S-17-street_lights.dwg, 11/14/2022, 10:17:09 PM, 1:1



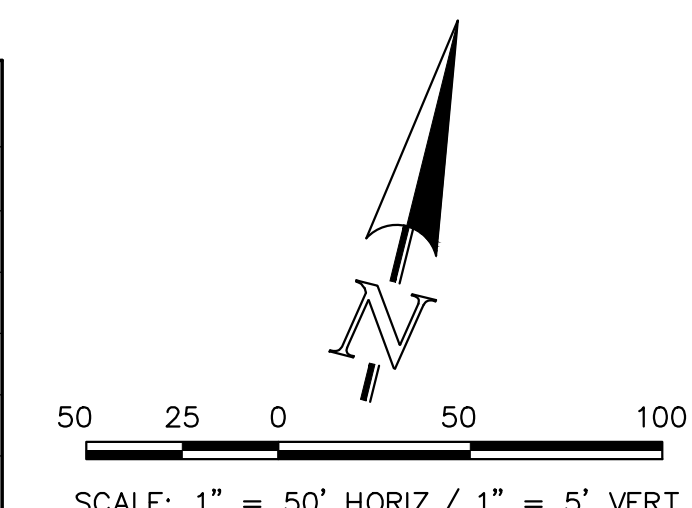
NOTES:
 ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.
 ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.
 ALL STORM SEWER PIPES TO BE CLASS 3.
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

STORM LINE TABLE

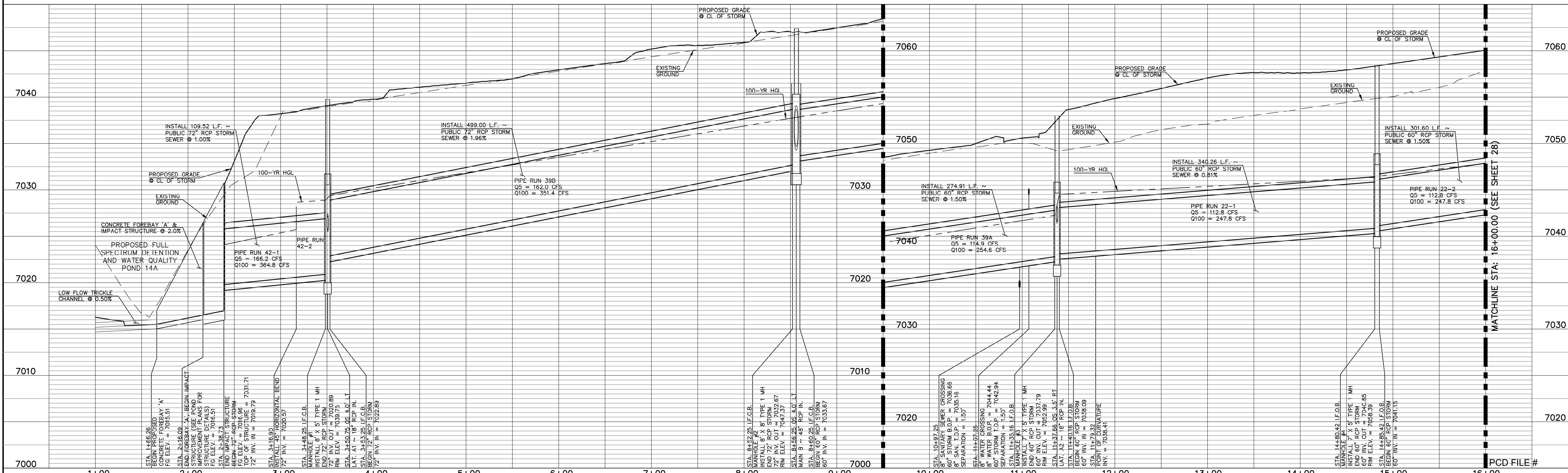
| Line # | Length | Direction |
|--------|--------|-------------|
| L1 | 78.16 | S58°40'40"E |
| L2 | 31.36 | N76°19'20"E |
| L3 | 499.00 | N76°19'20"E |
| L4 | 274.91 | N76°19'20"E |
| L5 | 39.17 | N76°19'18"E |

STORM CURVE TABLE

| Curve # | Delta | Length | Radius |
|---------|-----------|--------|---------|
| C1 | 11°56'20" | 301.10 | 1445.00 |
| C2 | 11°57'31" | 301.60 | 1445.00 |



PUBLIC 60"/72" RCP STORM - 'MAIN A'



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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| NO. | REVISION | DATE |
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REVIEW:

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KYLE R. CAMPBELL, COLORADO P.E. #29794



STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 "MAIN A" STA: 1+00 - STA: 16+00

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 27 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

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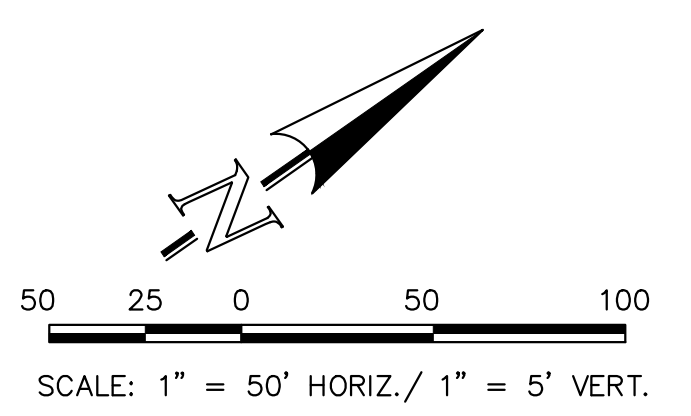
NOTES:
 ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.
 ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATER TIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.
 ALL STORM SEWER PIPES TO BE CLASS 3.
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

STORM LINE TABLE

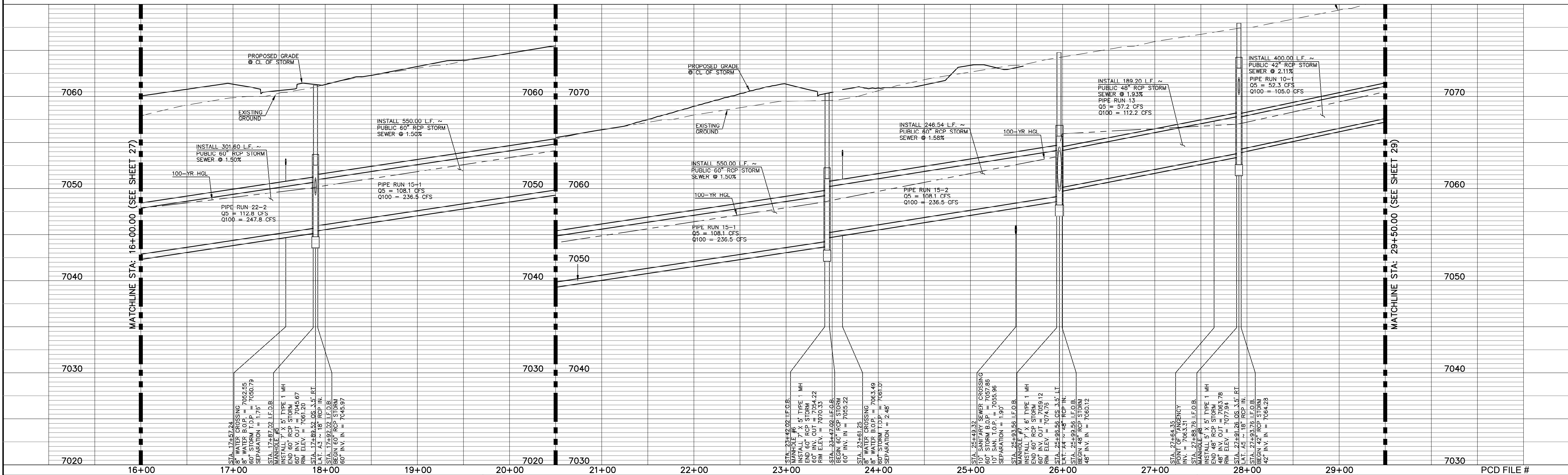
| Line # | Length | Direction |
|--------|--------|-------------|
| L6 | 24.41 | N13°28'29"E |
| L7 | 400.00 | N13°28'29"E |

STORM CURVE TABLE

| Curve # | Delta | Length | Radius |
|---------|-----------|--------|---------|
| C2 | 11°57'31" | 301.60 | 1445.00 |
| C3 | 21°48'29" | 550.00 | 1445.00 |
| C4 | 9°46'31" | 246.53 | 1445.00 |
| C5 | 6°32'03" | 164.79 | 1445.00 |



PUBLIC 42"/48"/60" RCP STORM - 'MAIN A'



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG,
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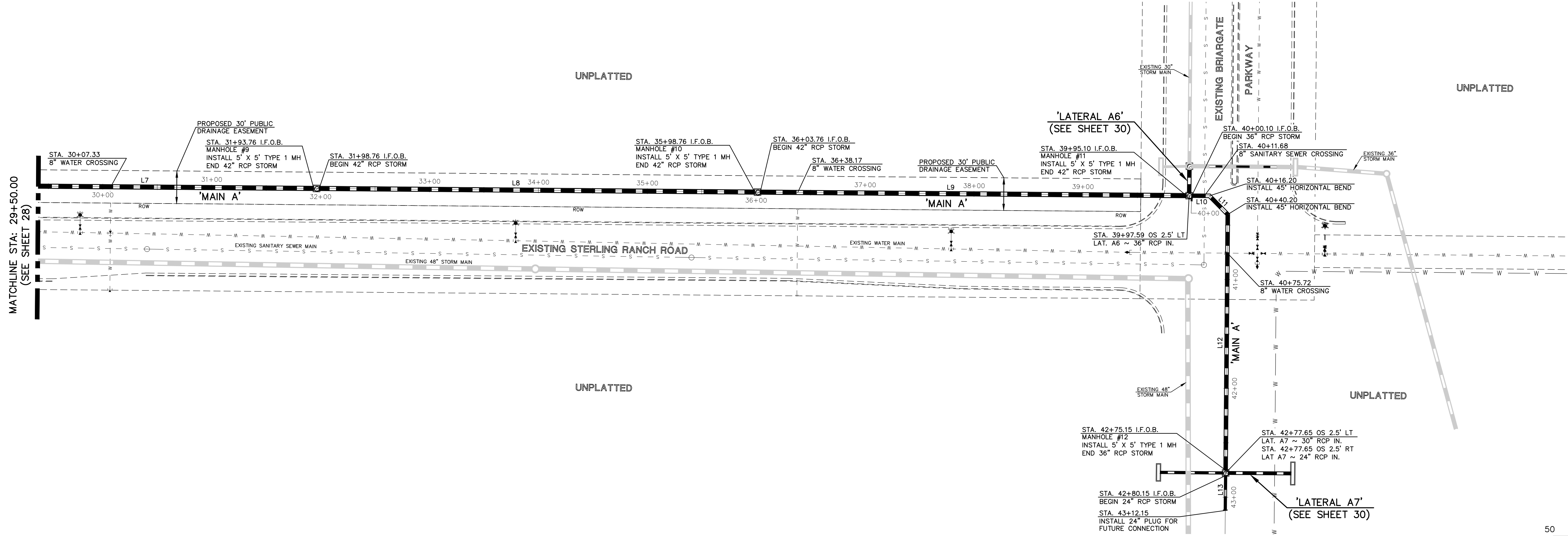
KYLE R. CAMPBELL, COLORADO P.E. #29794

619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (fax)

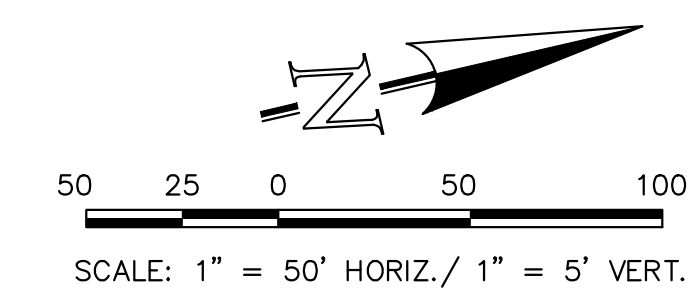
STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 "MAIN A" STA: 16+00 - STA: 29+50

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 28 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

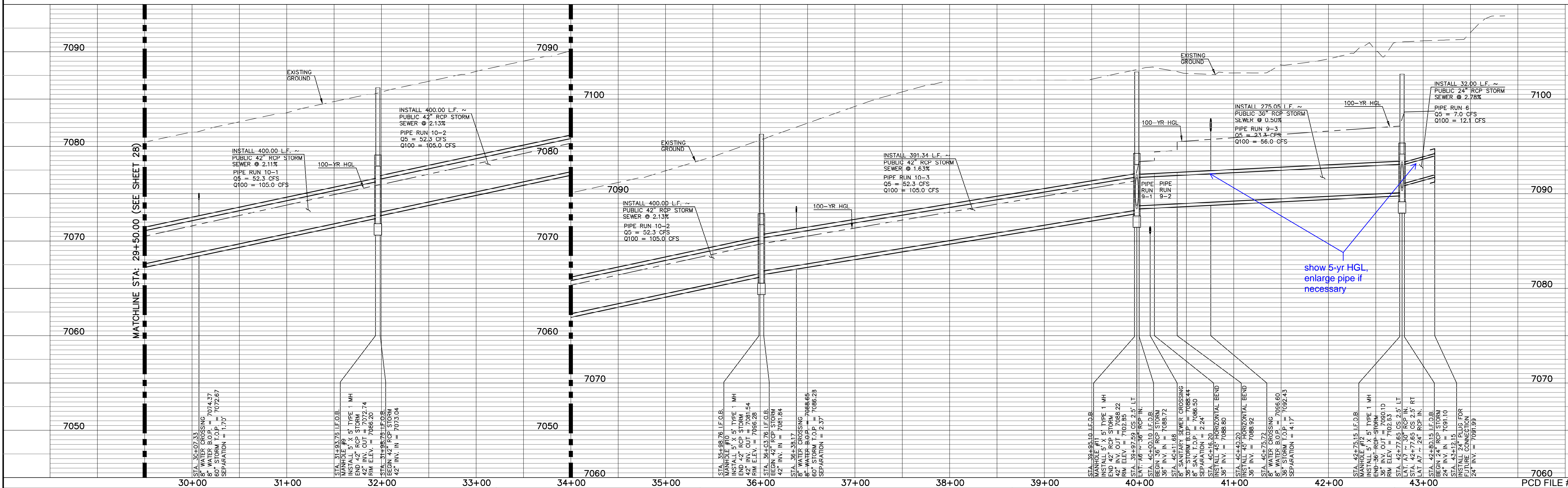
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 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.



| Line # | Length | Direction |
|--------|--------|-------------|
| L7 | 400.00 | N13°28'29"E |
| L8 | 400.00 | N13°28'29"E |
| L9 | 391.34 | N13°28'29"E |
| L10 | 16.11 | N13°28'29"E |
| L11 | 24.00 | N58°28'29"E |
| L12 | 234.95 | S76°31'31"E |
| L13 | 32.00 | N76°31'31"W |



PUBLIC 24"/36"/42" RCP STORM - 'MAIN A'



show 5-yr HGL, enlarge pipe if necessary

LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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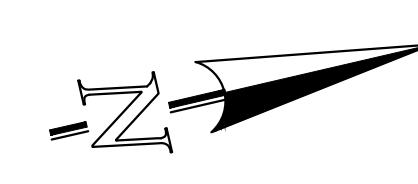
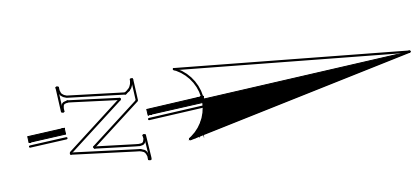
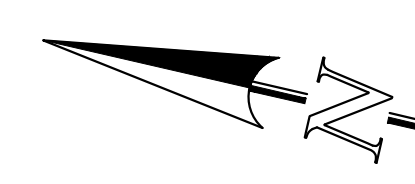
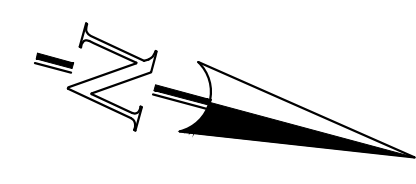
KYLE R. CAMPBELL, COLORADO P.E. #29794

619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (fax)

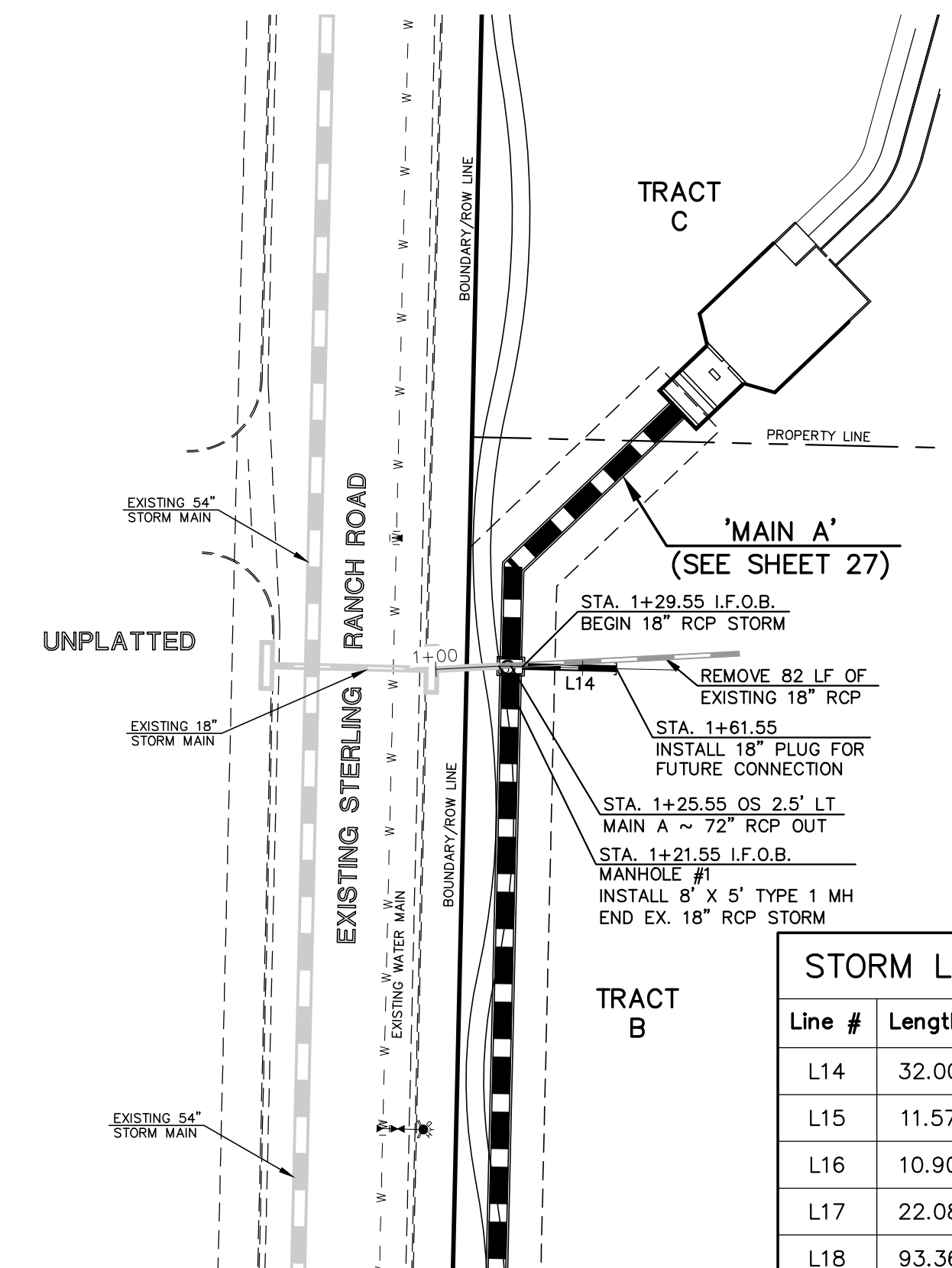
STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 "MAIN A" STA: 29+50 - END

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 29 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

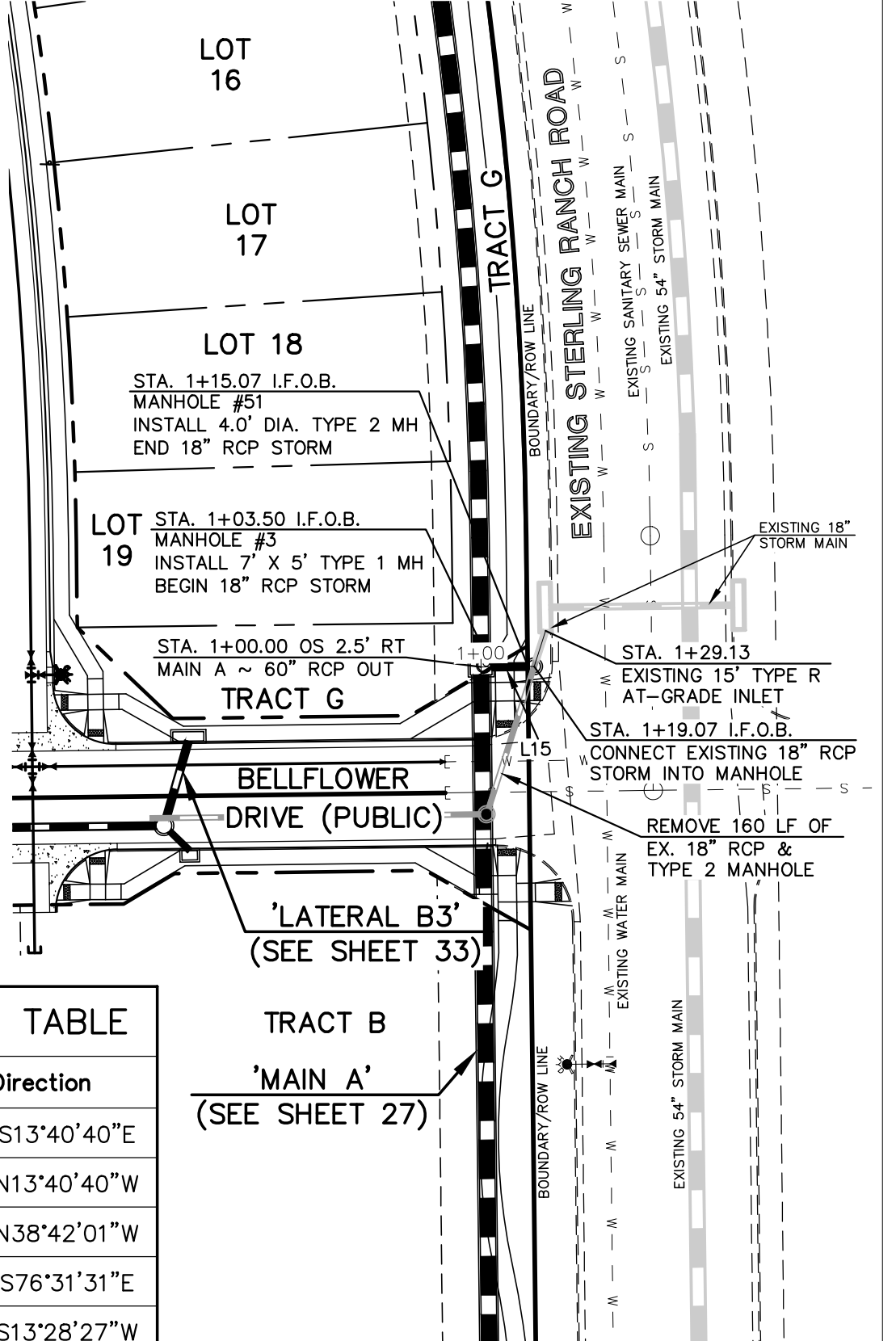
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NOTES:
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 ALL STORM SEWER PIPES TO BE CLASS 3.
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

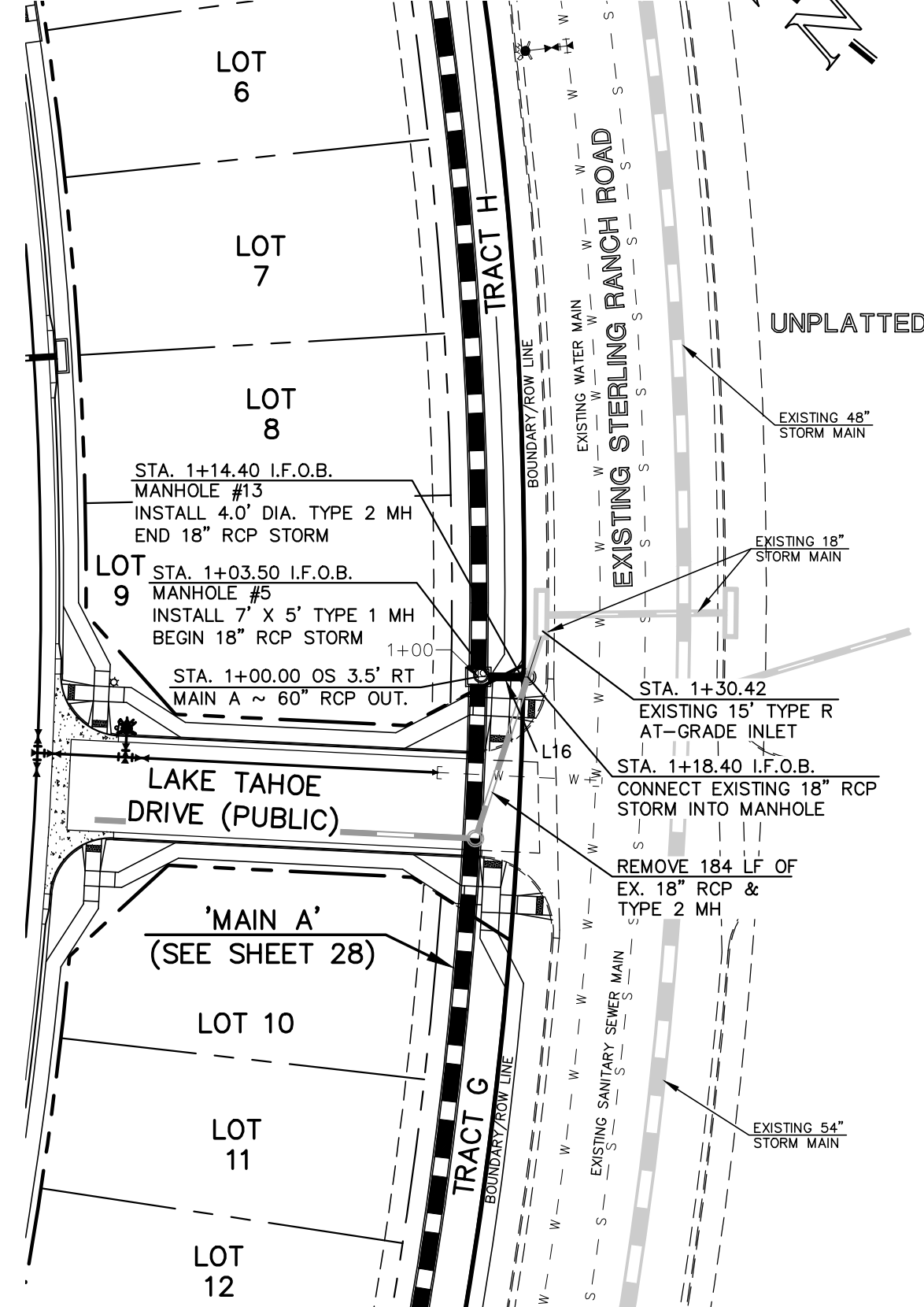


PUBLIC 18" RCP STORM 'LATERAL A1'

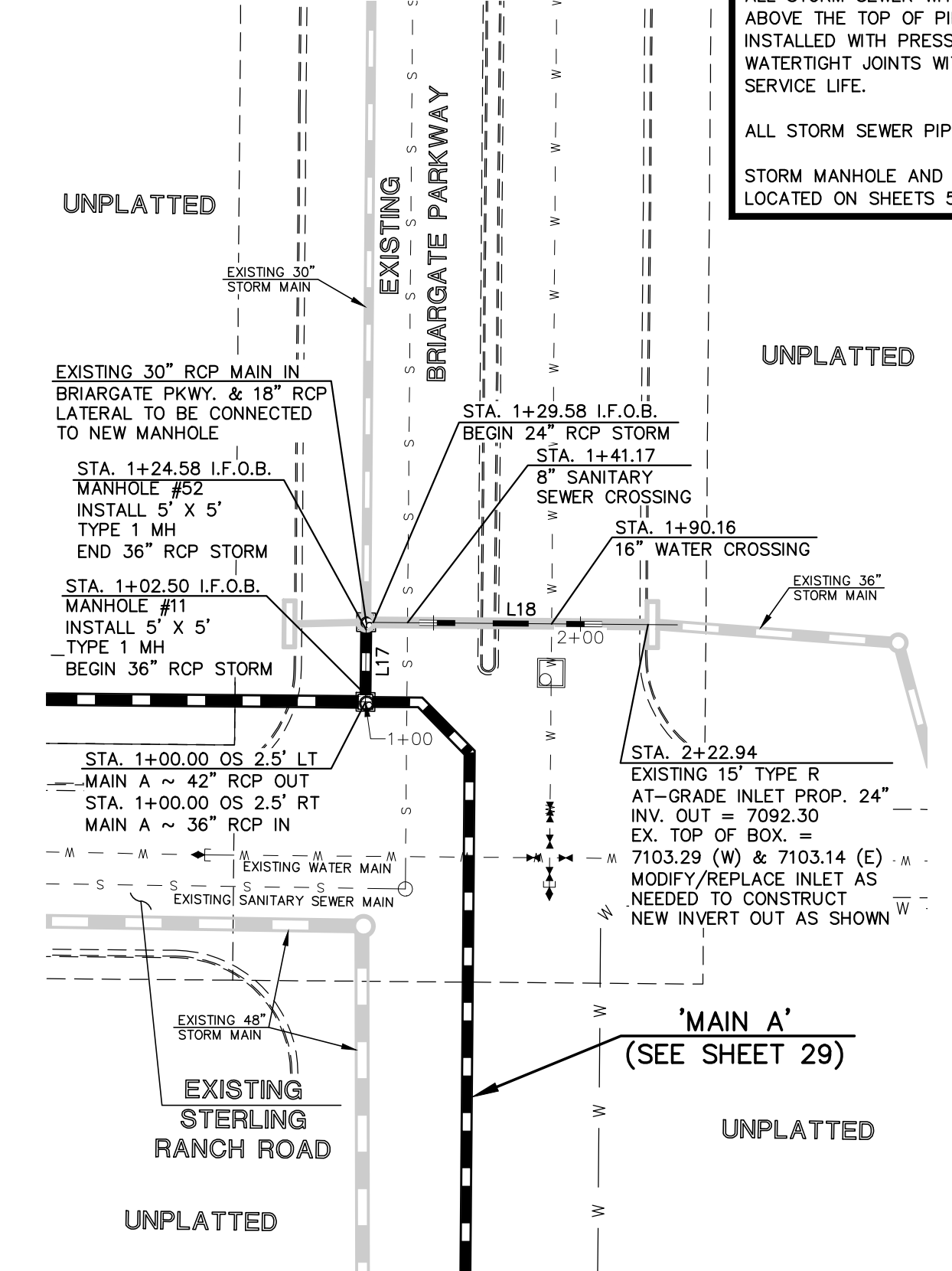


PUBLIC 18" RCP STORM 'LATERAL A2'

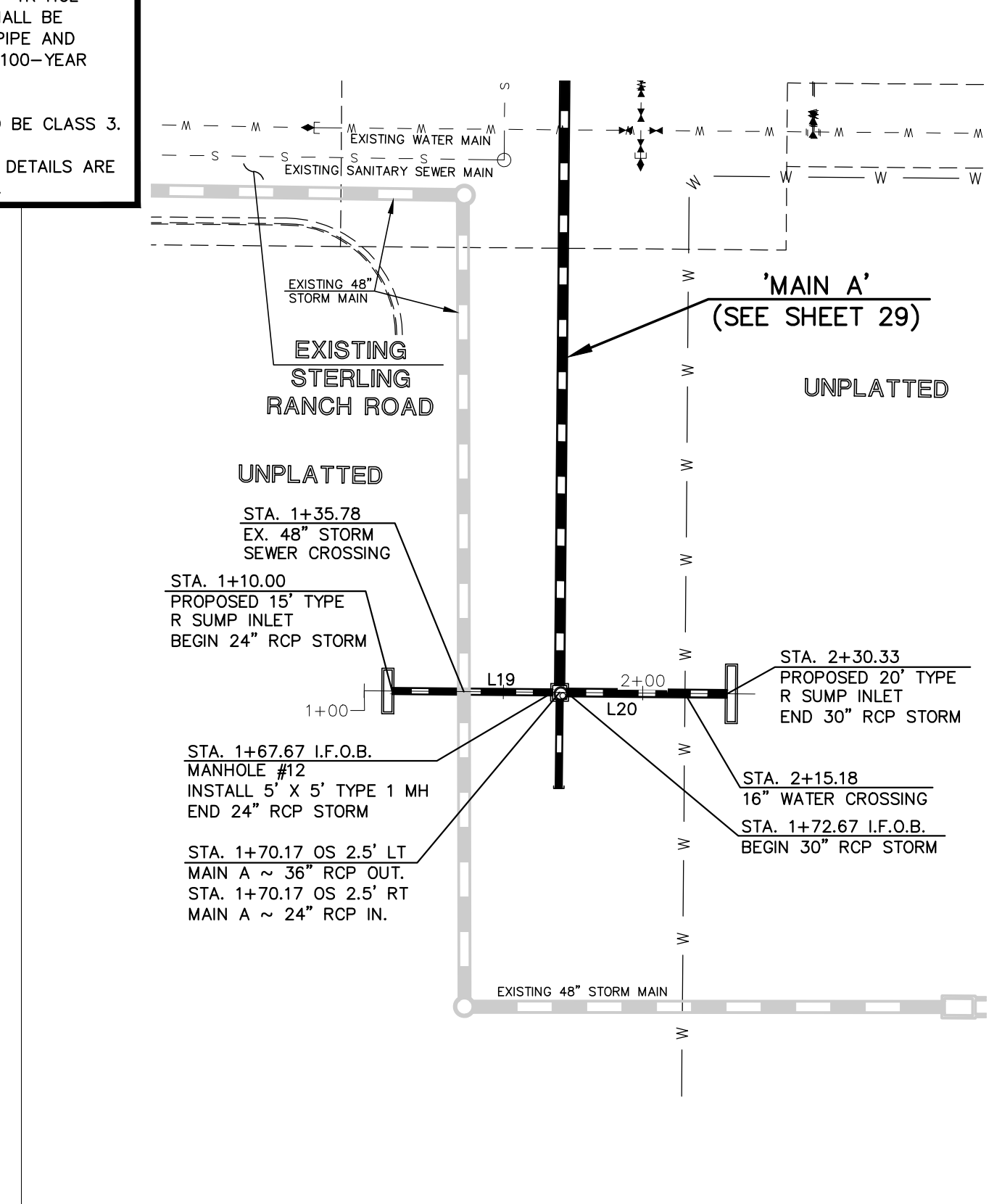
| Line # | Length | Direction |
|--------|--------|-------------|
| L14 | 32.00 | S13°40'40"E |
| L15 | 11.57 | N13°40'40"W |
| L16 | 10.90 | N38°42'01"W |
| L17 | 22.08 | S76°31'31"E |
| L18 | 93.36 | S13°28'27"W |
| L19 | 57.67 | S13°28'29"W |
| L20 | 57.67 | S13°28'29"W |



PUBLIC 18" RCP STORM 'LATERAL A3'

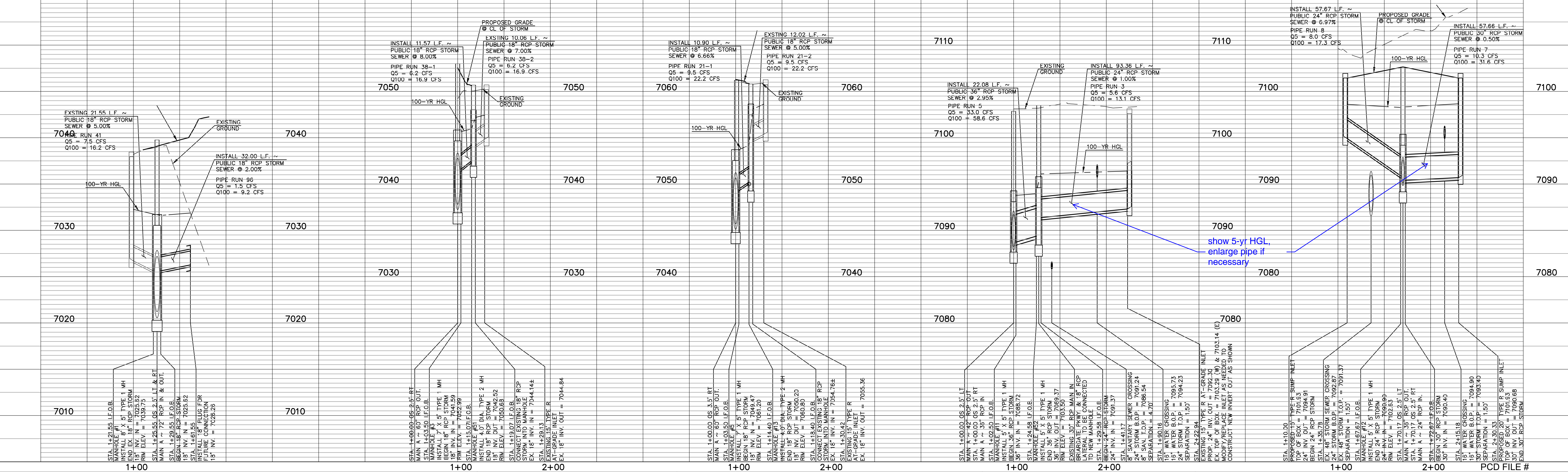


PUBLIC 24"/36" RCP STORM 'LATERAL A6'



PUBLIC 24"/30" RCP STORM 'LATERAL A7'

SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.



show 5-yr HGL, enlarge pipe if necessary

LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS
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 UTILITY NOTIFICATION CENTER OF COLORADO
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| NO. | REVISION | DATE | REVIEW: |
|-----|----------|------|---------|
| | | | |
| | | | |

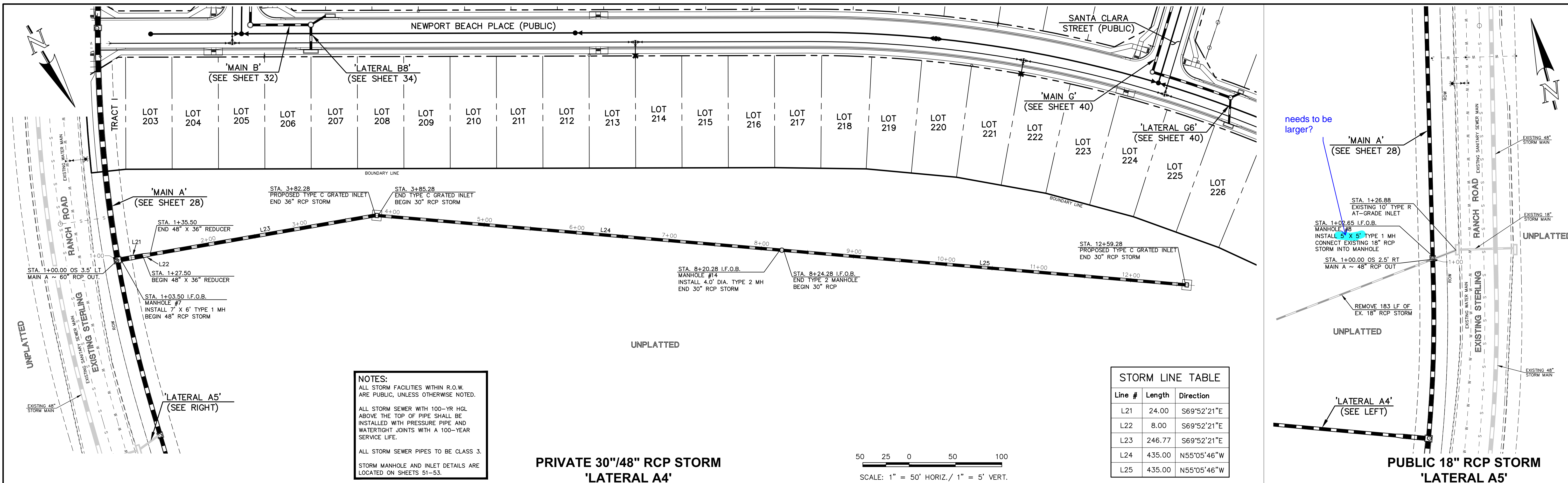
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794



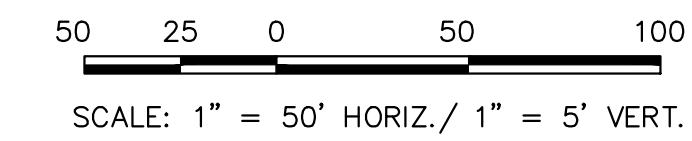
STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 LATERALS A1, A2, A3, A6 & A7

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 30 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |



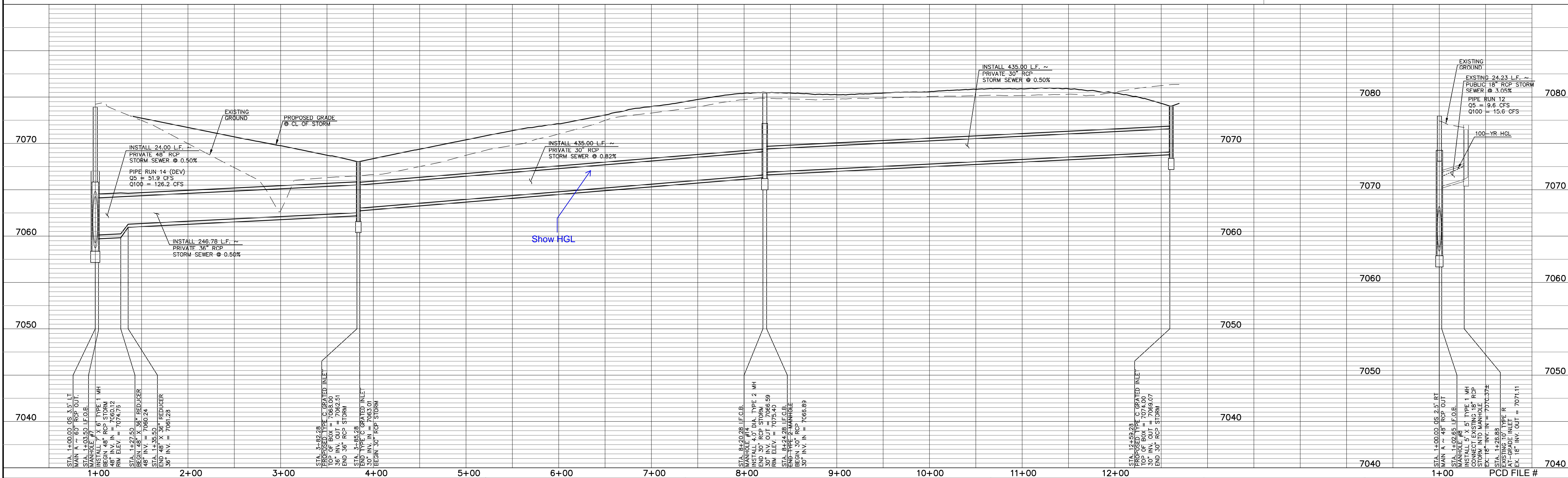
NOTES:
 ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.
 ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATER TIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.
 ALL STORM SEWER PIPES TO BE CLASS 3.
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

PRIVATE 30"/48" RCP STORM 'LATERAL A4'



| Line # | Length | Direction |
|--------|--------|-------------|
| L21 | 24.00 | S69°52'21"E |
| L22 | 8.00 | S69°52'21"E |
| L23 | 246.77 | S69°52'21"E |
| L24 | 435.00 | N55°05'46"W |
| L25 | 435.00 | N55°05'46"W |

PUBLIC 18" RCP STORM 'LATERAL A5'



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |

REVIEW:
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

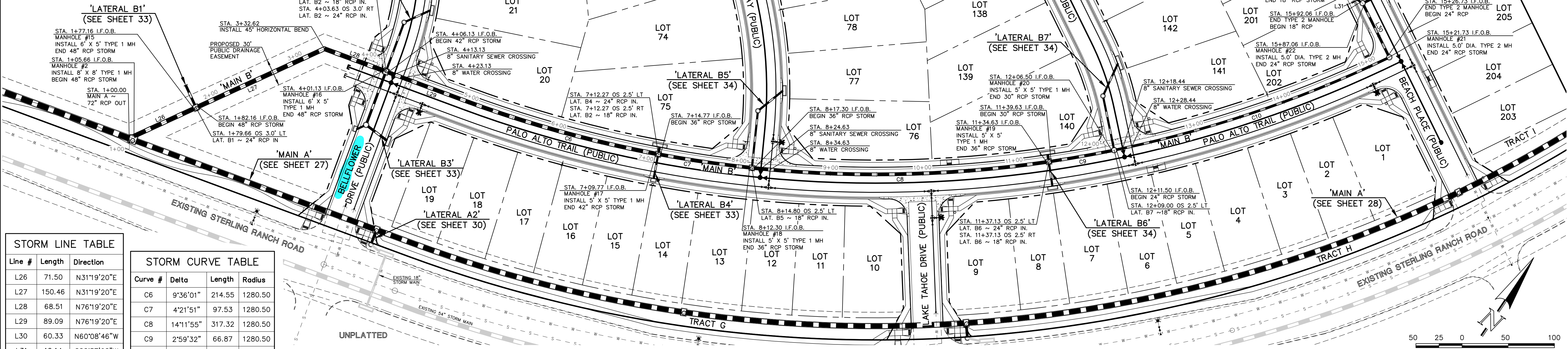
KYLE R. CAMPBELL, COLORADO P.E. #29794



STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN
LATERALS A4 & A5

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 31 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

NOTES:
 ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.
 ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATER TIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.
 ALL STORM SEWER PIPES TO BE CLASS 3.
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.



STORM LINE TABLE

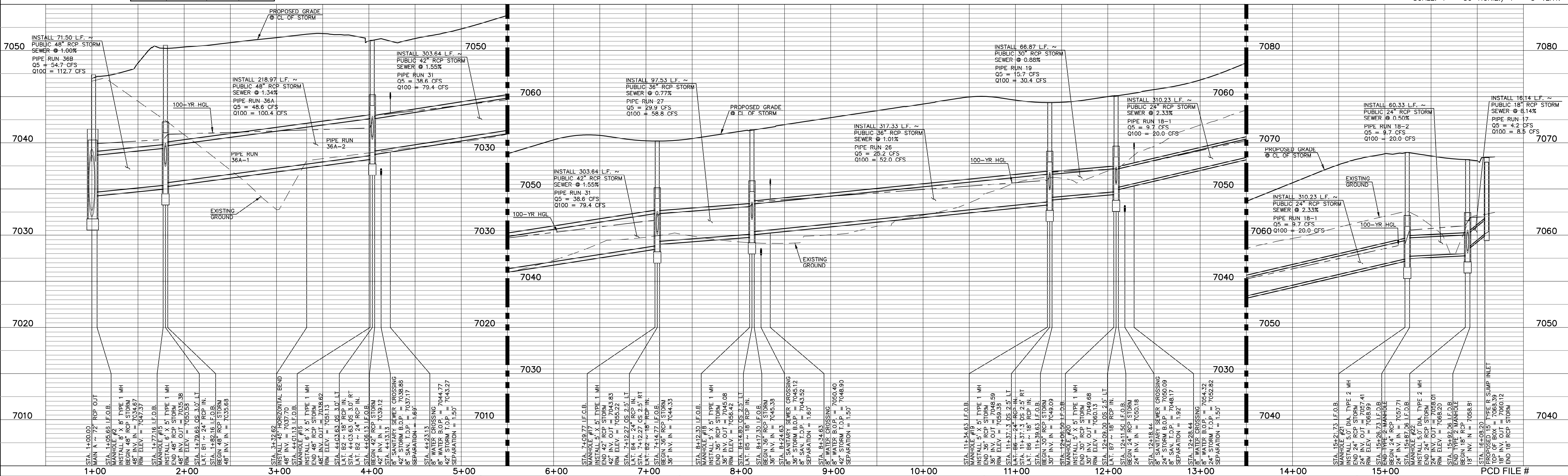
| Line # | Length | Direction |
|--------|--------|-------------|
| L26 | 71.50 | N31°19'20"E |
| L27 | 150.46 | N31°19'20"E |
| L28 | 68.51 | N76°19'20"E |
| L29 | 89.09 | N76°19'20"E |
| L30 | 60.33 | N60°08'46"W |
| L31 | 16.14 | S88°37'08"W |

STORM CURVE TABLE

| Curve # | Delta | Length | Radius |
|---------|-----------|--------|---------|
| C6 | 9°36'01" | 214.55 | 1280.50 |
| C7 | 4°21'51" | 97.53 | 1280.50 |
| C8 | 14°11'55" | 317.32 | 1280.50 |
| C9 | 2°59'32" | 66.87 | 1280.50 |
| C10 | 13°52'53" | 310.23 | 1280.50 |

PUBLIC 18"/24"/30"/36"/42"/48" RCP STORM - 'MAIN B'

SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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|-----|----------|------|
| | | |
| | | |

REVIEW:
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794

CLASSIC CONSULTING

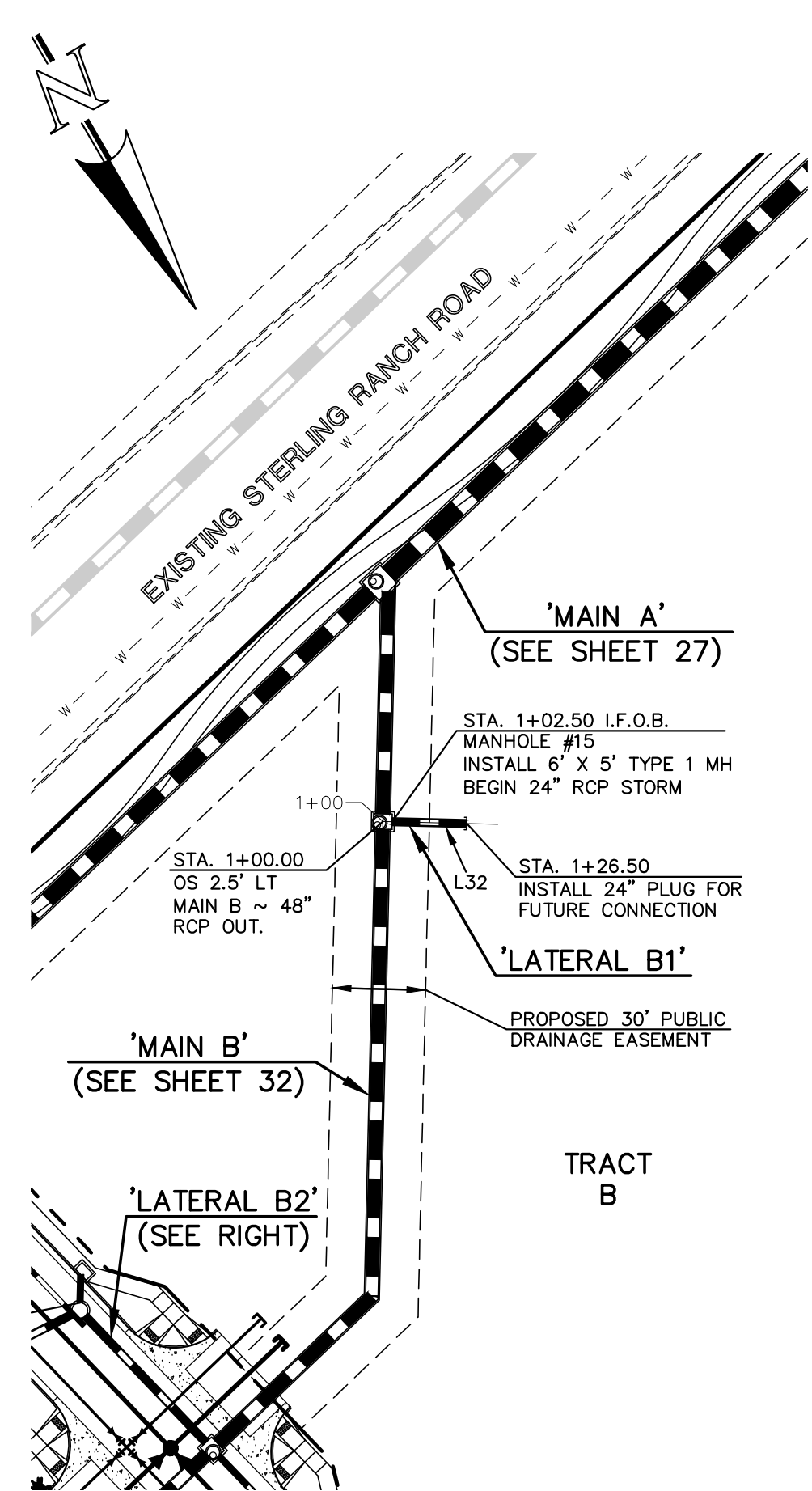
619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903

(719)785-0790
 (719)785-0799(fax)

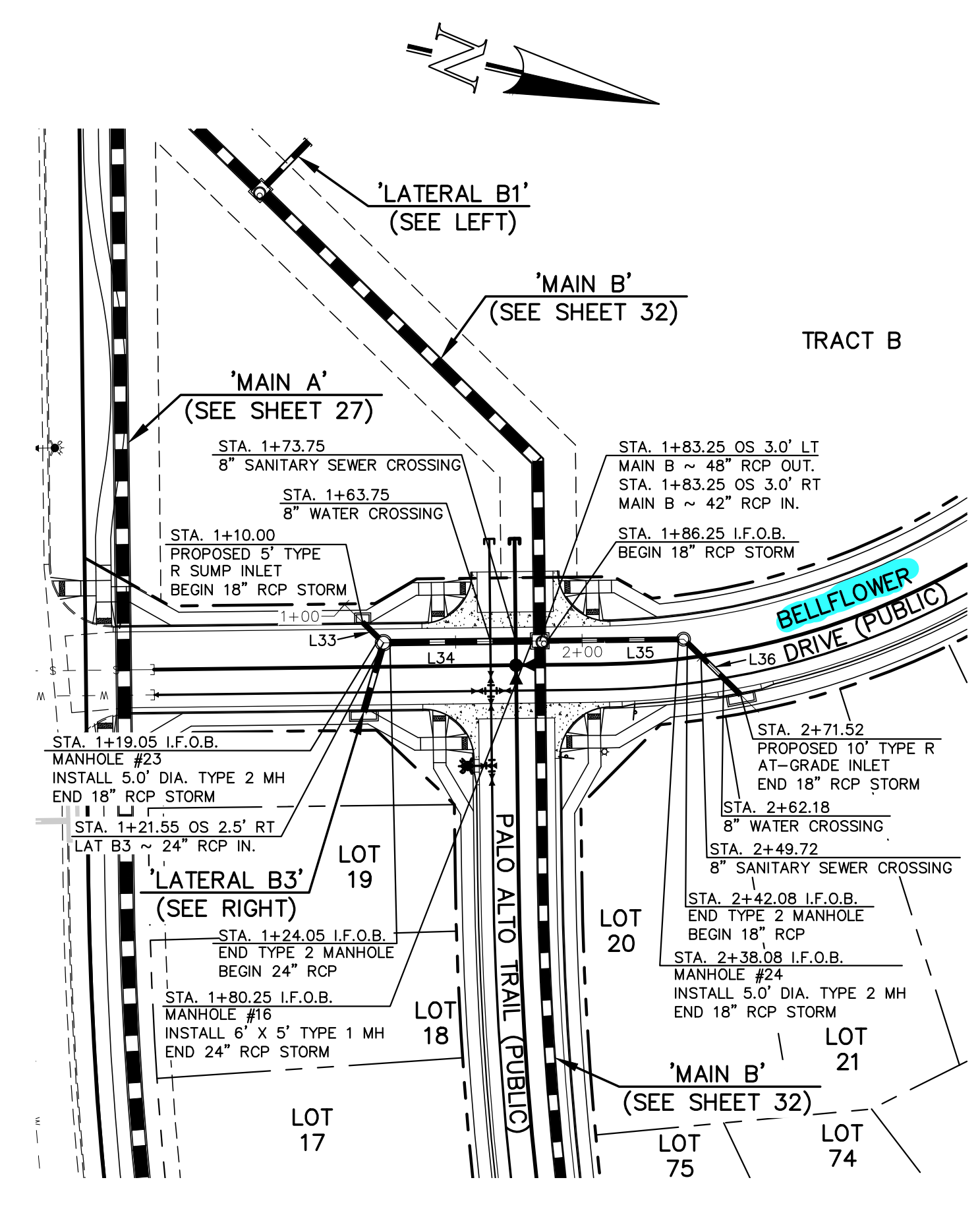
STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 "MAIN B" STA: 1+00 - END

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 32 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

N:\118330\DRAWINGS\CONSTR\CD\STORMA\32-118330-STA-05.dwg, 11/4/2022, 12:39:52 PM, 1:1



PRIVATE 24" RCP STORM
'LATERAL B1'

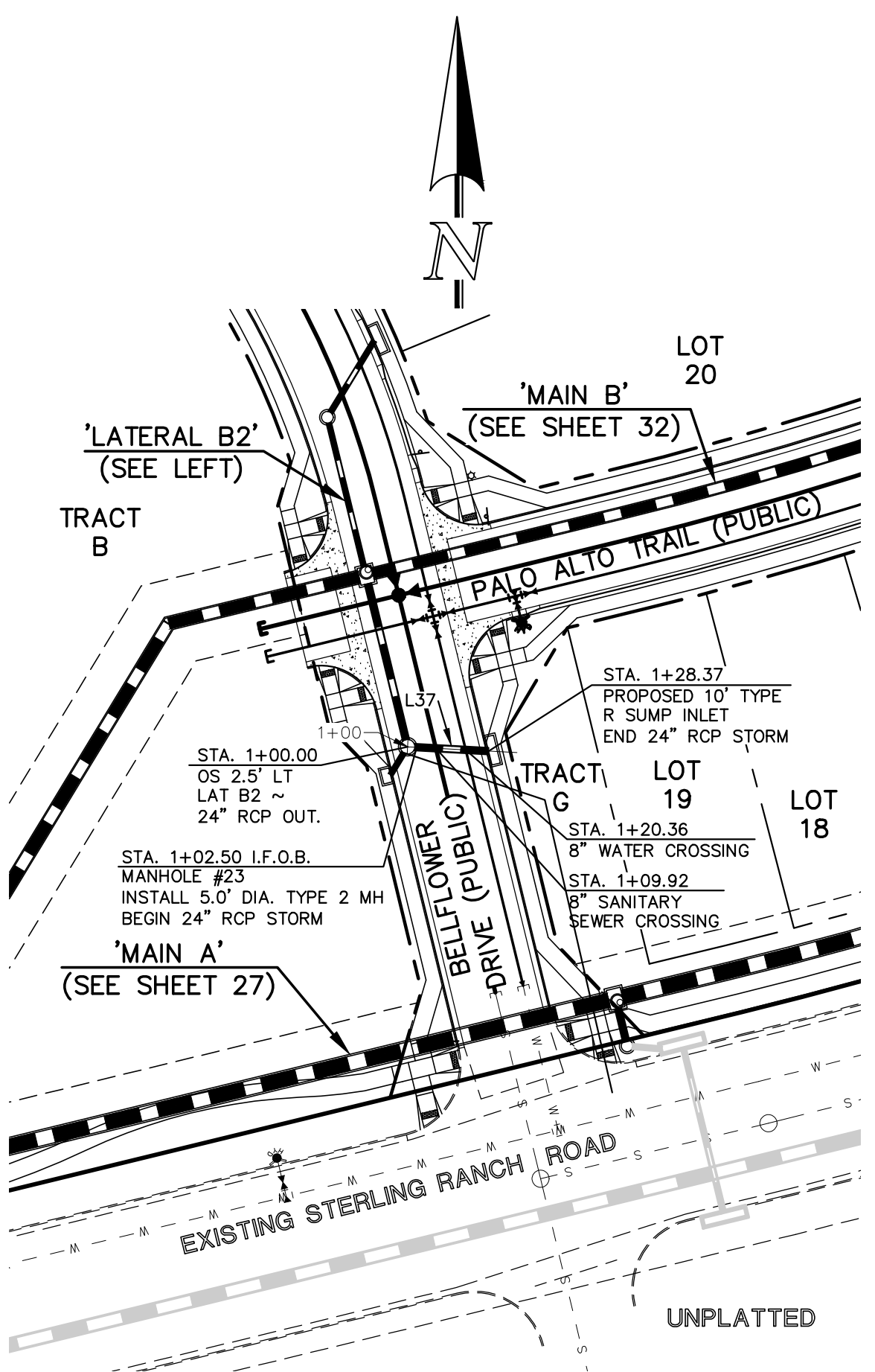
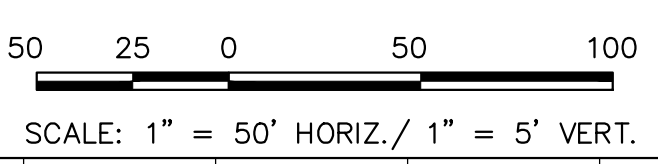


PUBLIC 18"/24" RCP STORM
'LATERAL B2'

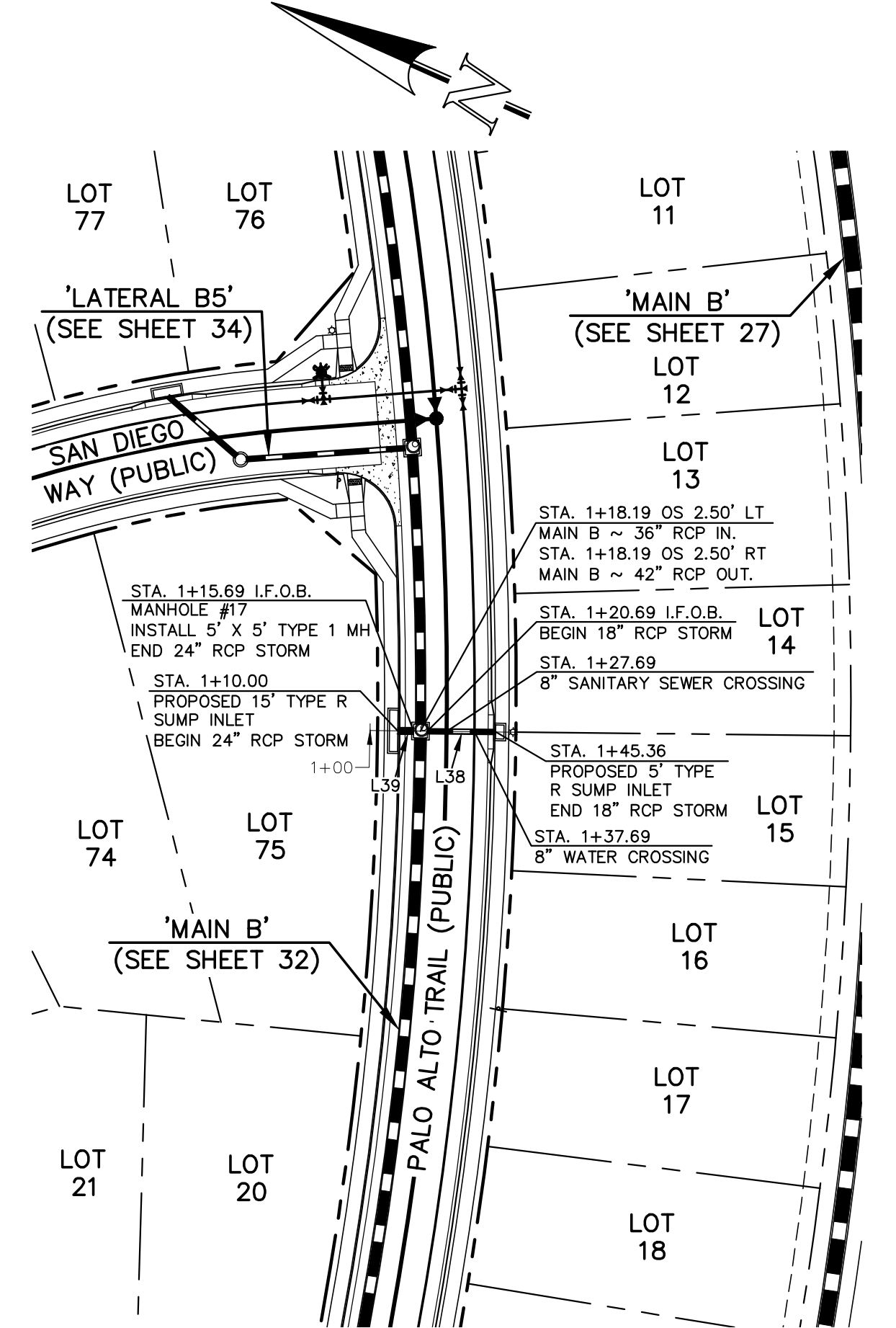
STORM LINE TABLE

| Line # | Length | Direction |
|--------|--------|-------------|
| L32 | 24.00 | S58°40'40"E |
| L33 | 9.05 | N31°19'20"E |
| L34 | 56.20 | S13°40'40"E |
| L35 | 51.83 | S13°40'40"E |
| L36 | 29.44 | S31°19'20"W |
| L37 | 25.87 | S86°56'46"E |
| L38 | 24.67 | N23°23'23"W |
| L39 | 5.69 | N23°23'23"W |

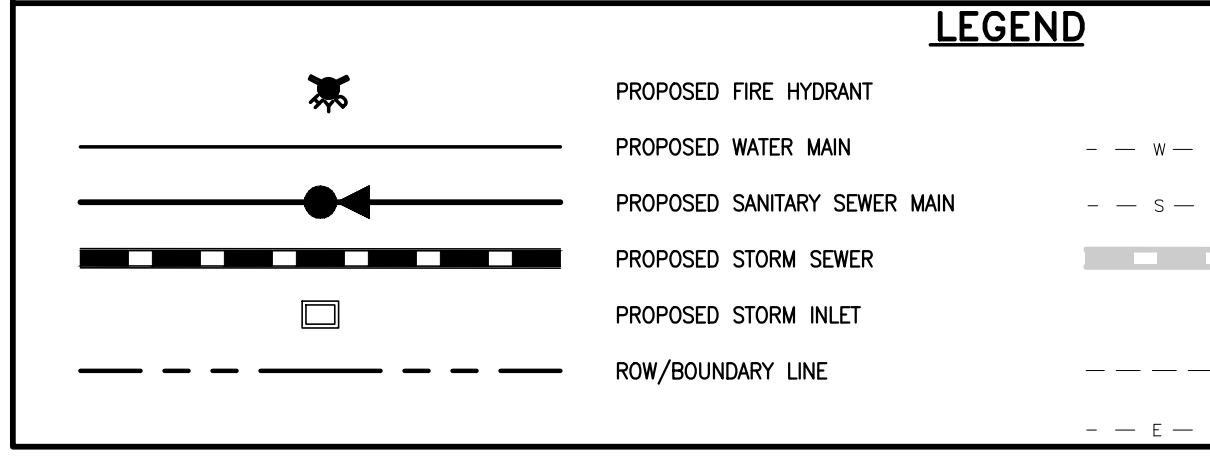
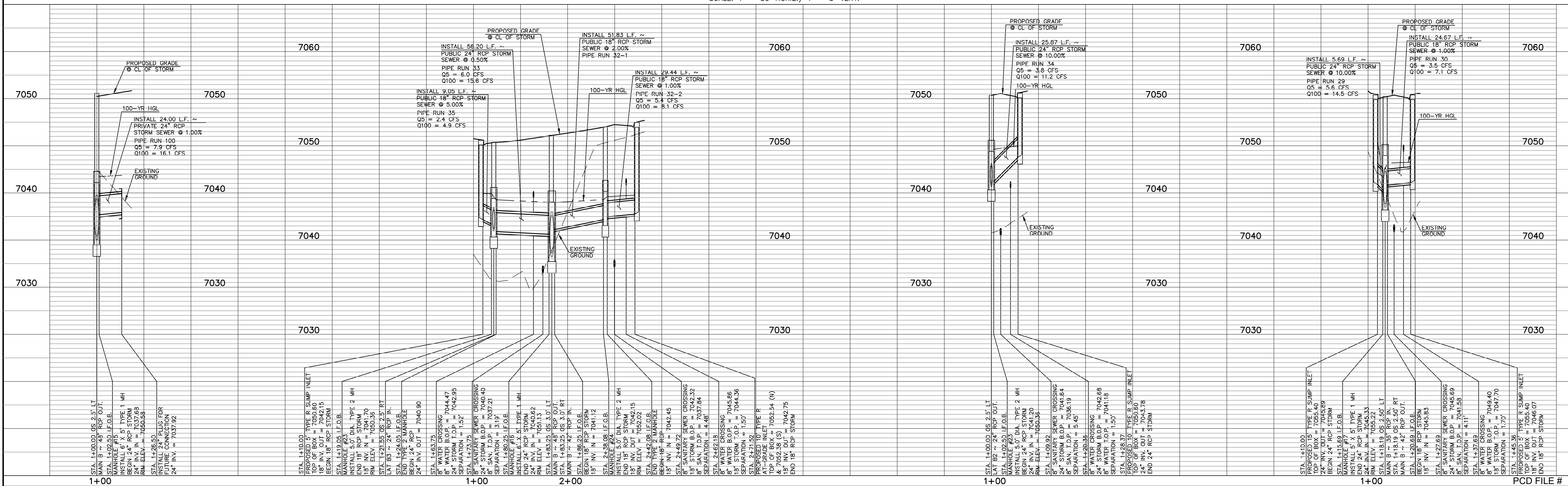
NOTES:
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ALL STORM SEWER PIPES TO BE CLASS 3.
STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.



PUBLIC 24" RCP STORM
'LATERAL B3'



PUBLIC 18"/24" RCP STORM
'LATERAL B4'



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NO. REVISION

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794

CLASSIC CONSULTING

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN
LATERALS B1, B2, B3 & B4

DESIGNED BY: MAL
DRAWN BY: MES
CHECKED BY: (V)

SCALE: (H) 1" = 50'
(V) 1" = 5'

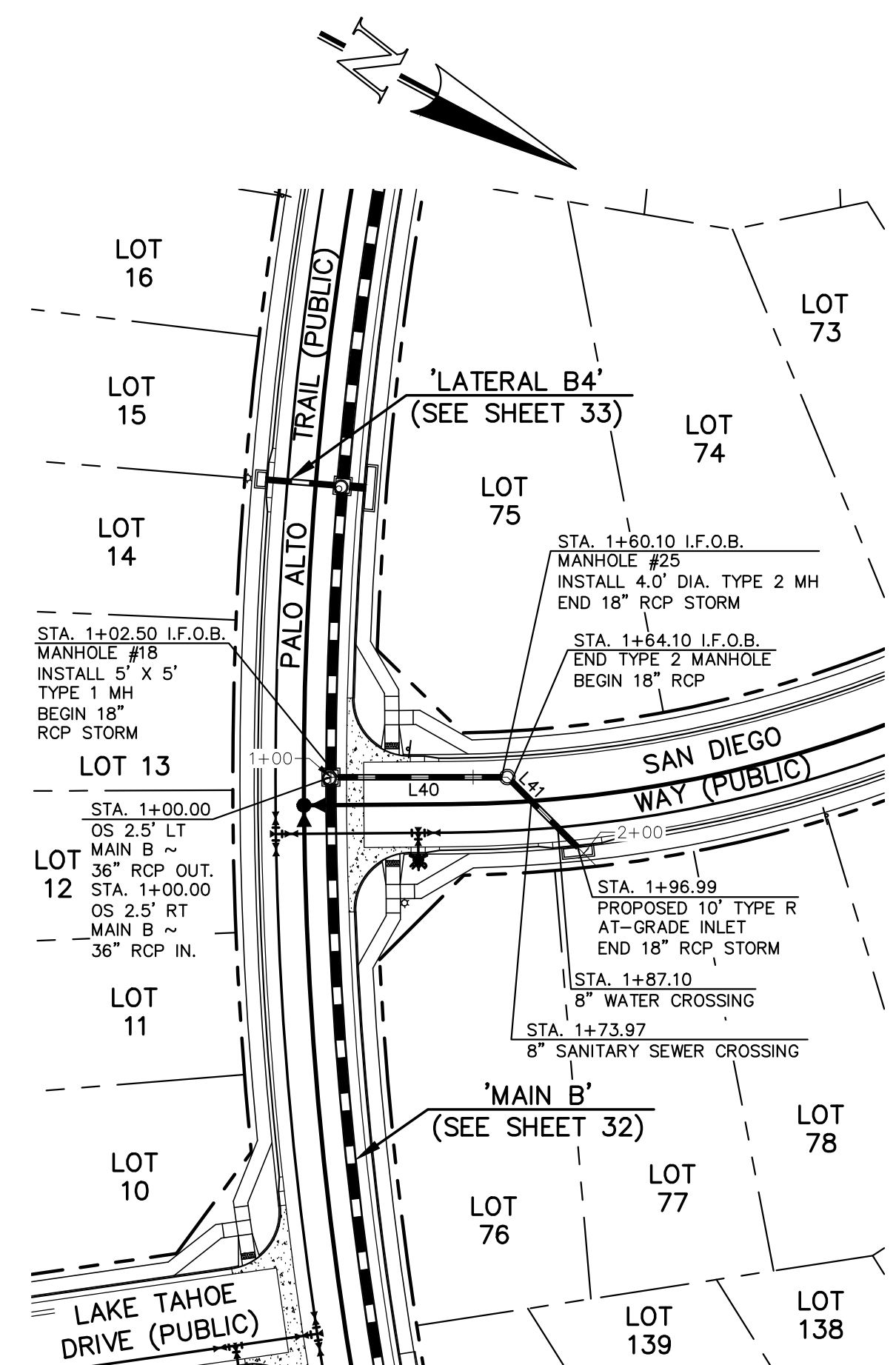
DATE: 08/31/22
SHEET 33 OF 53
JOB NO. 1183.30

PCD FILE #

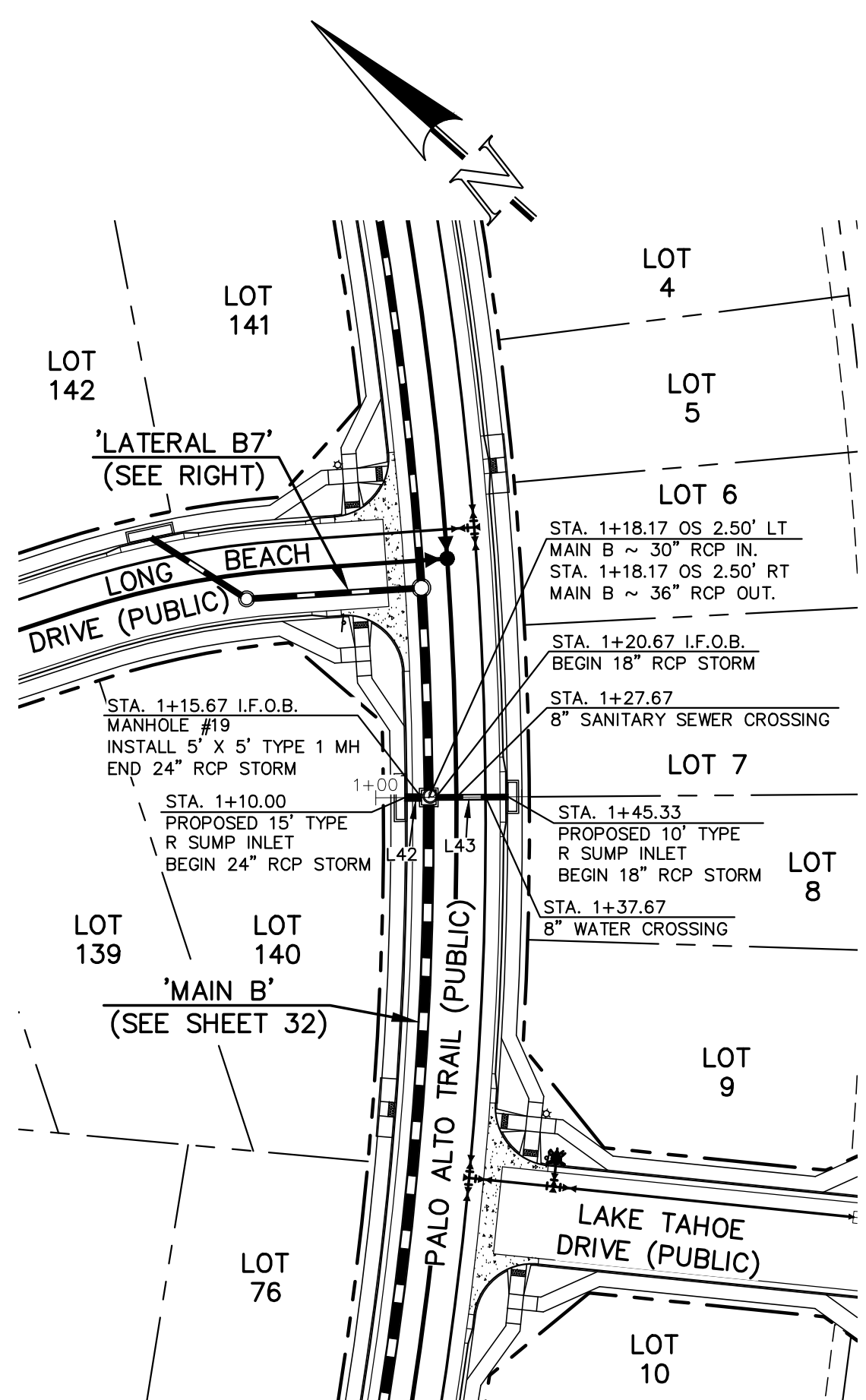
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719)785-0790
(719)785-0799 (fax)

N:\118330\DRAWINGS\CONSTRUCTION\STORMA\33-118330-STM-01.dwg, 11/14/2022, 12:41:20 PM, 1:1



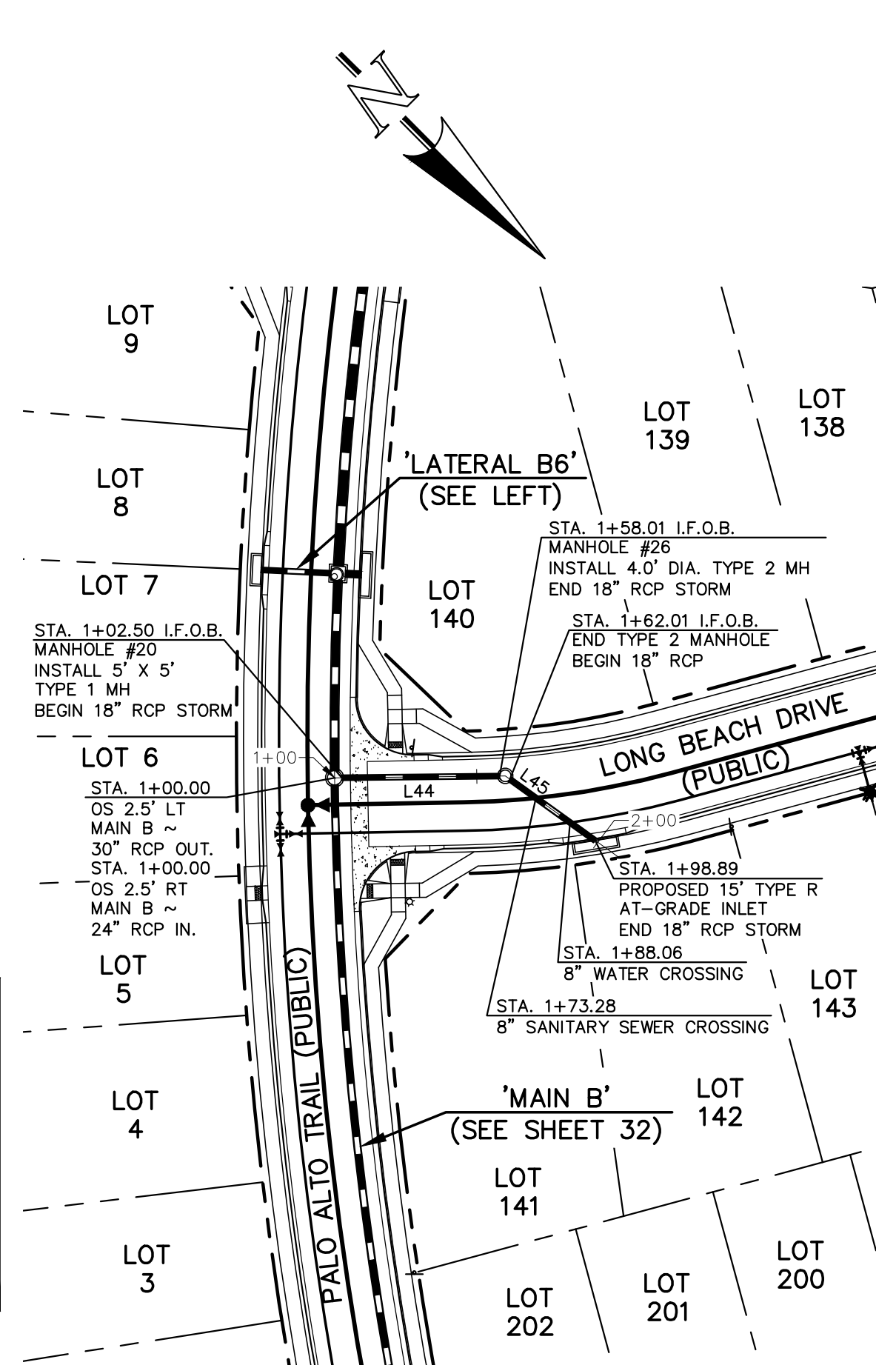
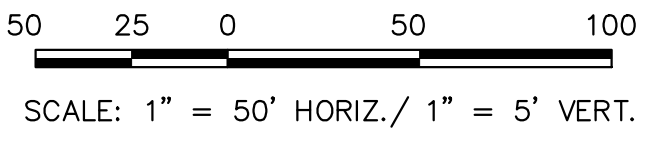
**PUBLIC 18" RCP STORM
'LATERAL B5'**



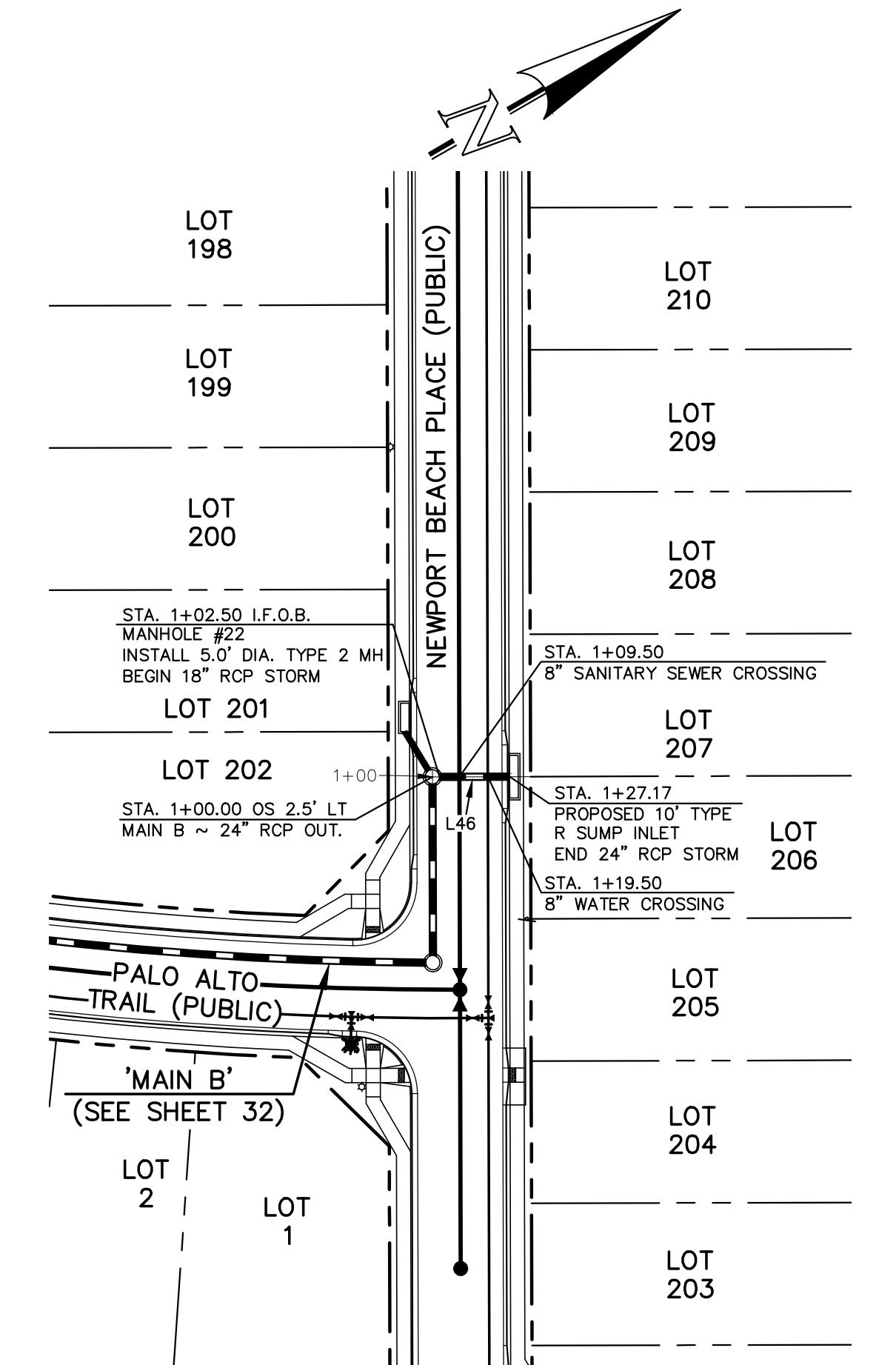
**PUBLIC 18"/24" RCP STORM
'LATERAL B6'**

| Line # | Length | Direction |
|--------|--------|-------------|
| L40 | 57.60 | S27°58'40"E |
| L41 | 32.89 | S17°01'20"W |
| L42 | 5.67 | N42°24'00"W |
| L43 | 24.67 | N42°24'00"W |
| L44 | 55.51 | S45°36'57"E |
| L45 | 36.88 | S09°20'15"E |
| L46 | 24.67 | S29°51'14"W |

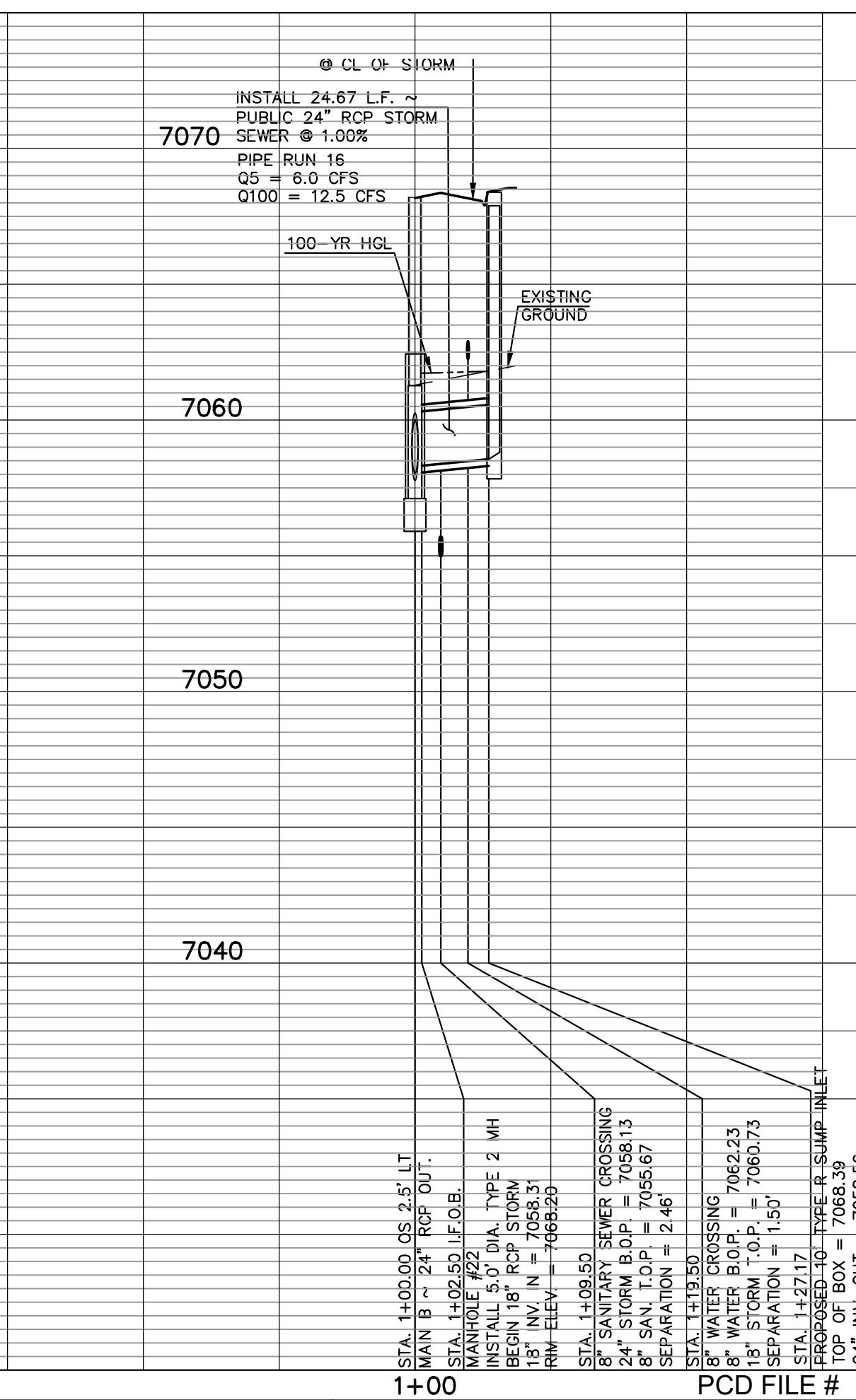
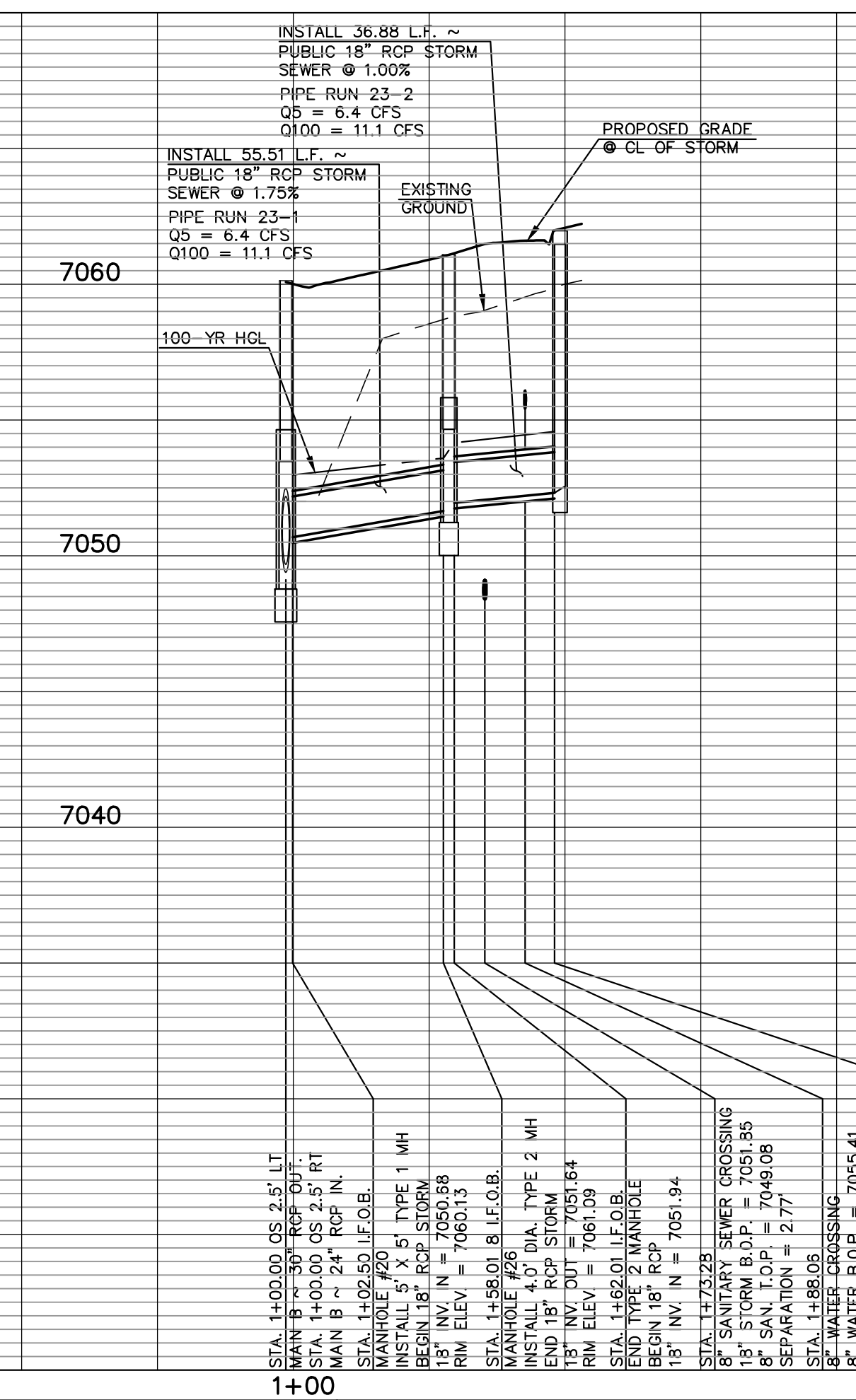
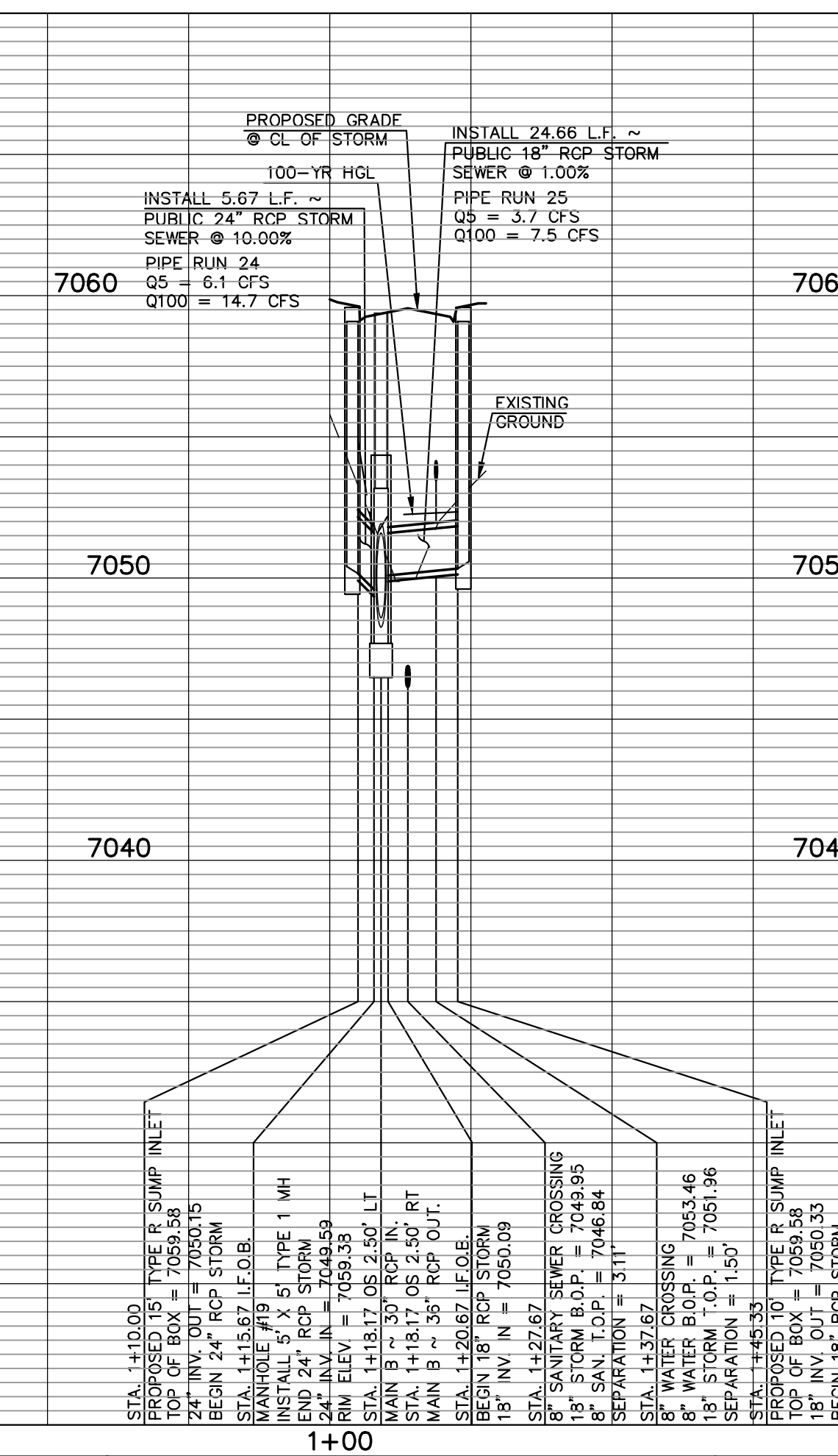
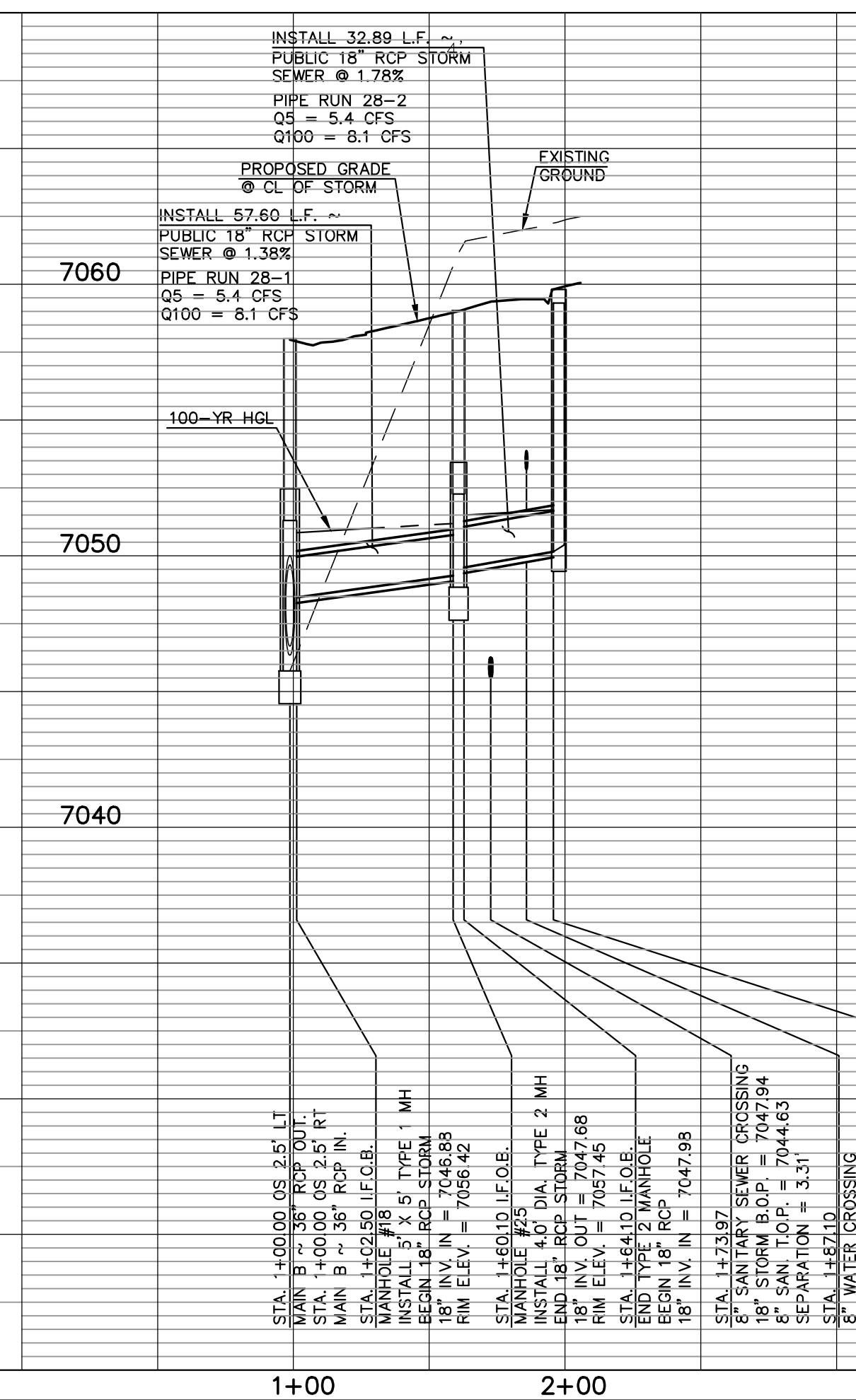
NOTES:
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 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.



**PUBLIC 18" RCP STORM
'LATERAL B7'**



**PUBLIC 24" RCP STORM
'LATERAL B8'**



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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| NO. REVISION | DATE | REVIEW: |
|--------------|------|---------|
| | | |

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

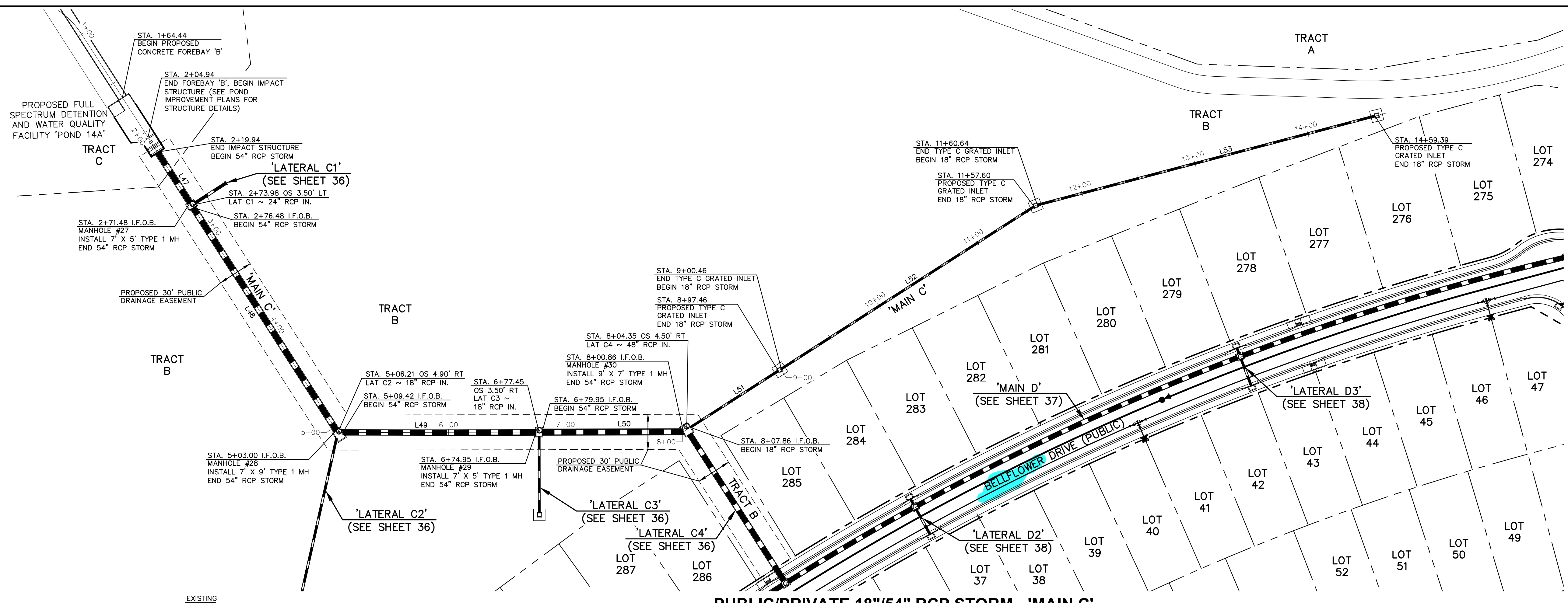
KYLE R. CAMPBELL, COLORADO P.E. #29794

619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719)785-0790
 (719)785-0799(fax)

**STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS**

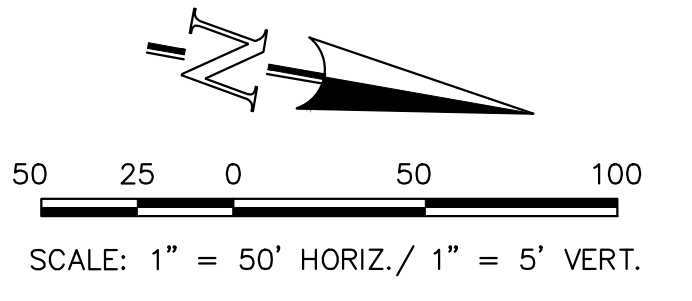
**PUBLIC STORM SEWER PLAN
LATERALS B5, B6, B7 & B8**

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 34 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

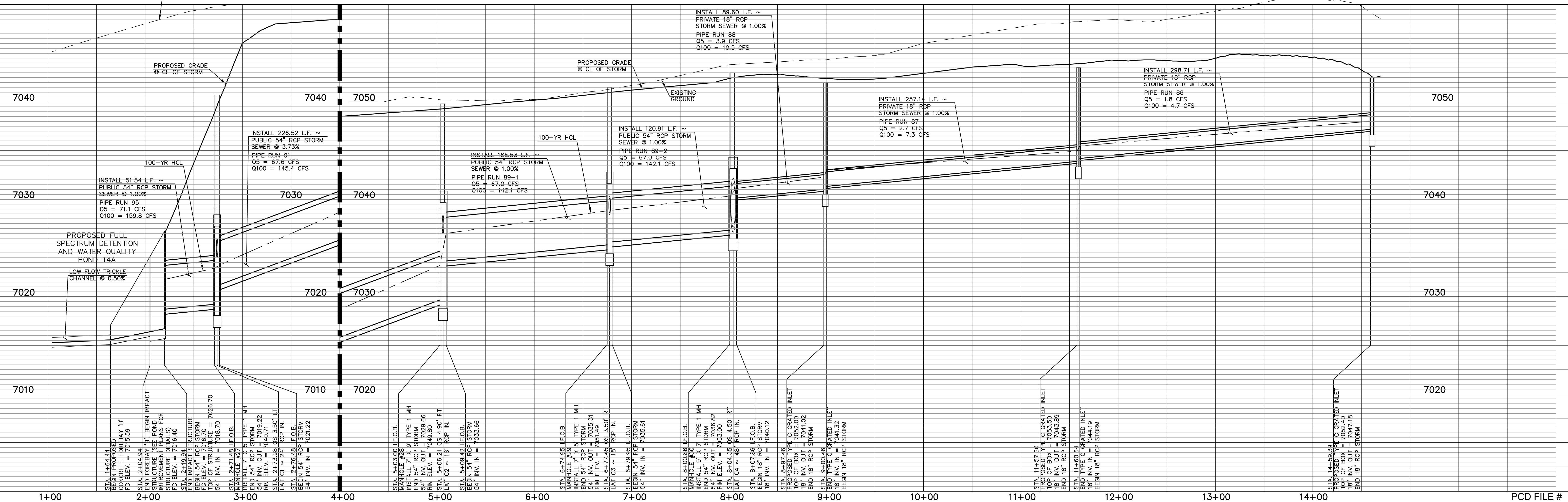


| Line # | Length | Direction |
|--------|--------|-------------|
| L47 | 51.55 | S47°15'57"W |
| L48 | 226.52 | S47°15'57"W |
| L49 | 165.53 | S10°06'57"E |
| L50 | 120.91 | S10°06'57"E |
| L51 | 89.61 | S42°44'03"E |
| L52 | 257.14 | S42°44'03"E |
| L53 | 298.71 | S24°47'01"E |

NOTES:
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 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.



PUBLIC/PRIVATE 18"/54" RCP STORM - 'MAIN C'



| LEGEND | |
|--------|------------------------------|
| | PROPOSED FIRE HYDRANT |
| | PROPOSED WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER |
| | PROPOSED STORM INLET |
| | ROW/BOUNDARY LINE |
| | EXISTING FIRE HYDRANT |
| | EXISTING WATER MAIN |
| | EXISTING SANITARY SEWER MAIN |
| | EXISTING STORM SEWER |
| | EXISTING STORM INLET |
| | EXISTING GAS MAIN |
| | EXISTING ELECTRIC |

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| | | |
| | | |

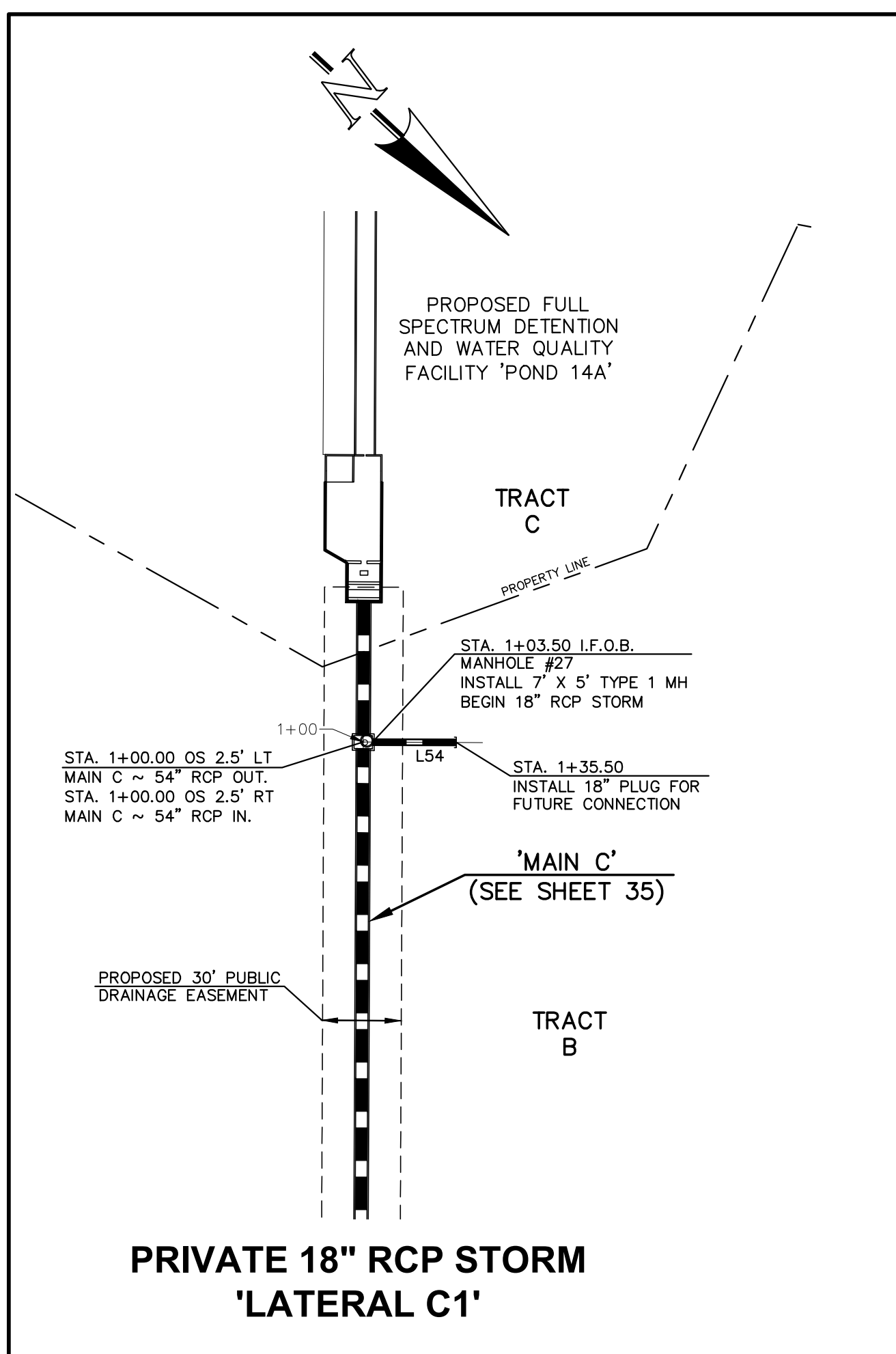
REVIEW:
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KYLE R. CAMPBELL, COLORADO P.E. #29794

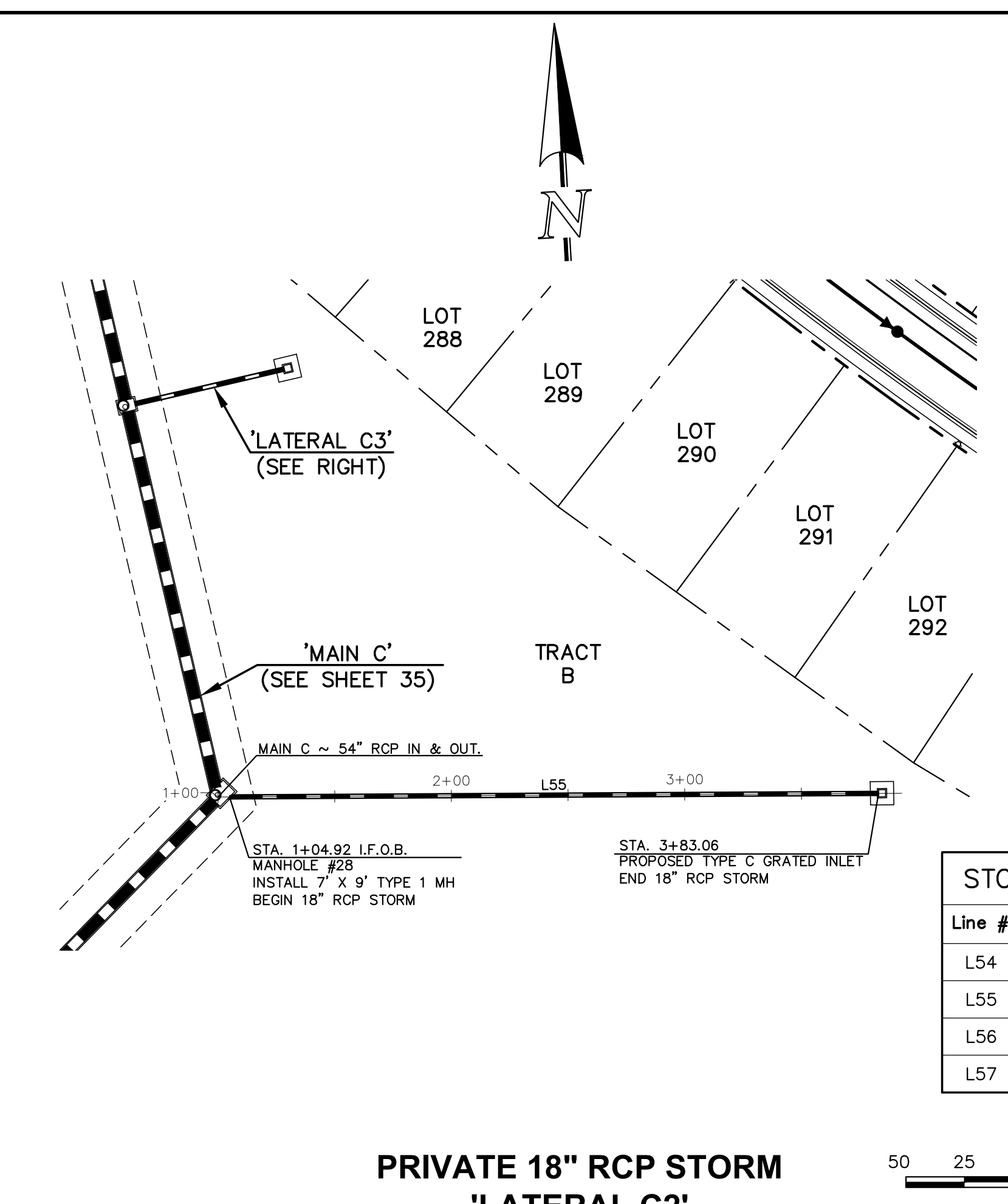
619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719)785-0790
 (719)785-0799(fax)

| | | | |
|--|-------------|--------------|----------------|
| STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS | | | |
| PUBLIC STORM SEWER PLAN "MAIN C" STA: 1+00 - END | | | |
| DESIGNED BY | MAL | SCALE | DATE 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET 35 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 |

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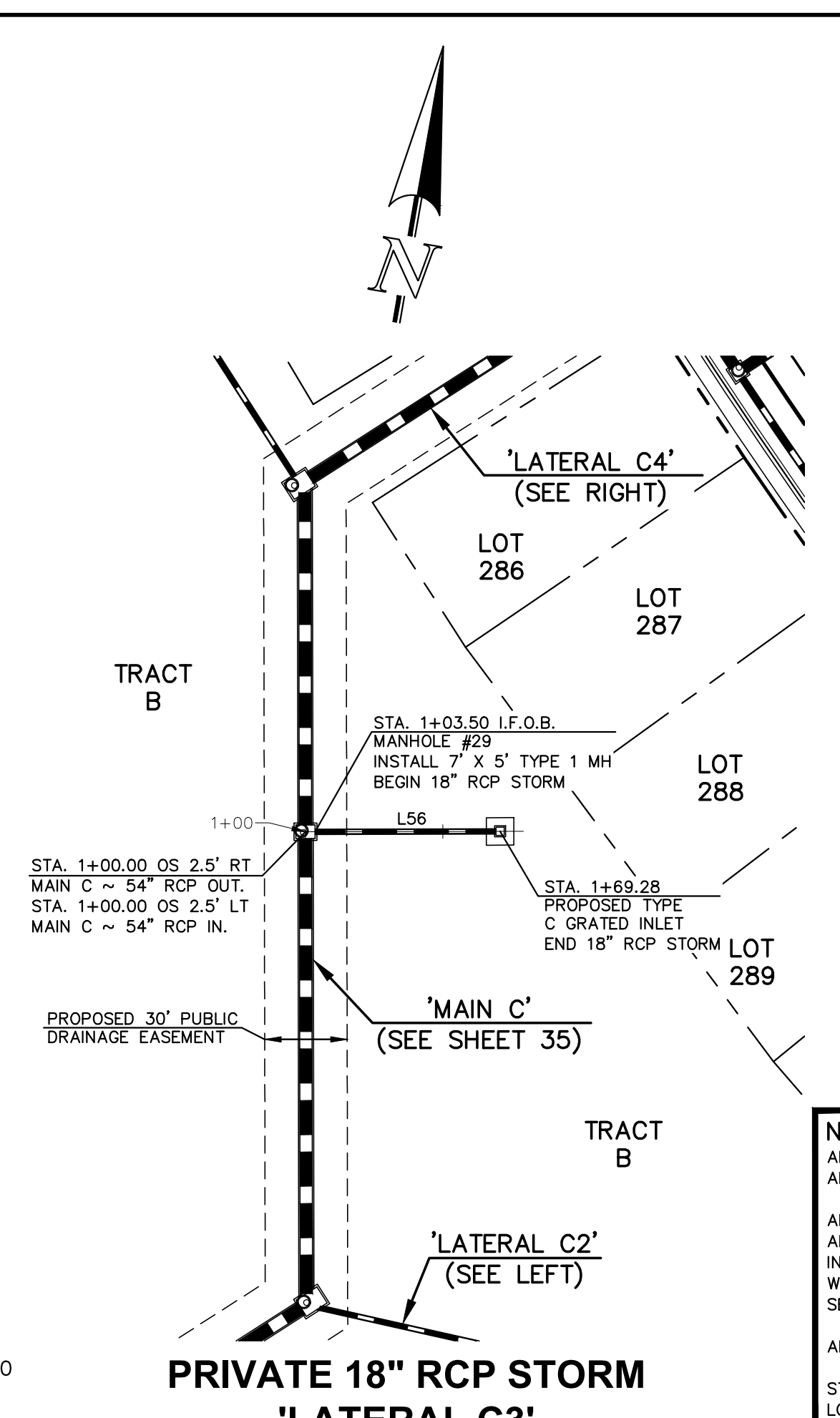
**PRIVATE 18" RCP STORM
'LATERAL C1'**



**PRIVATE 18" RCP STORM
'LATERAL C2'**

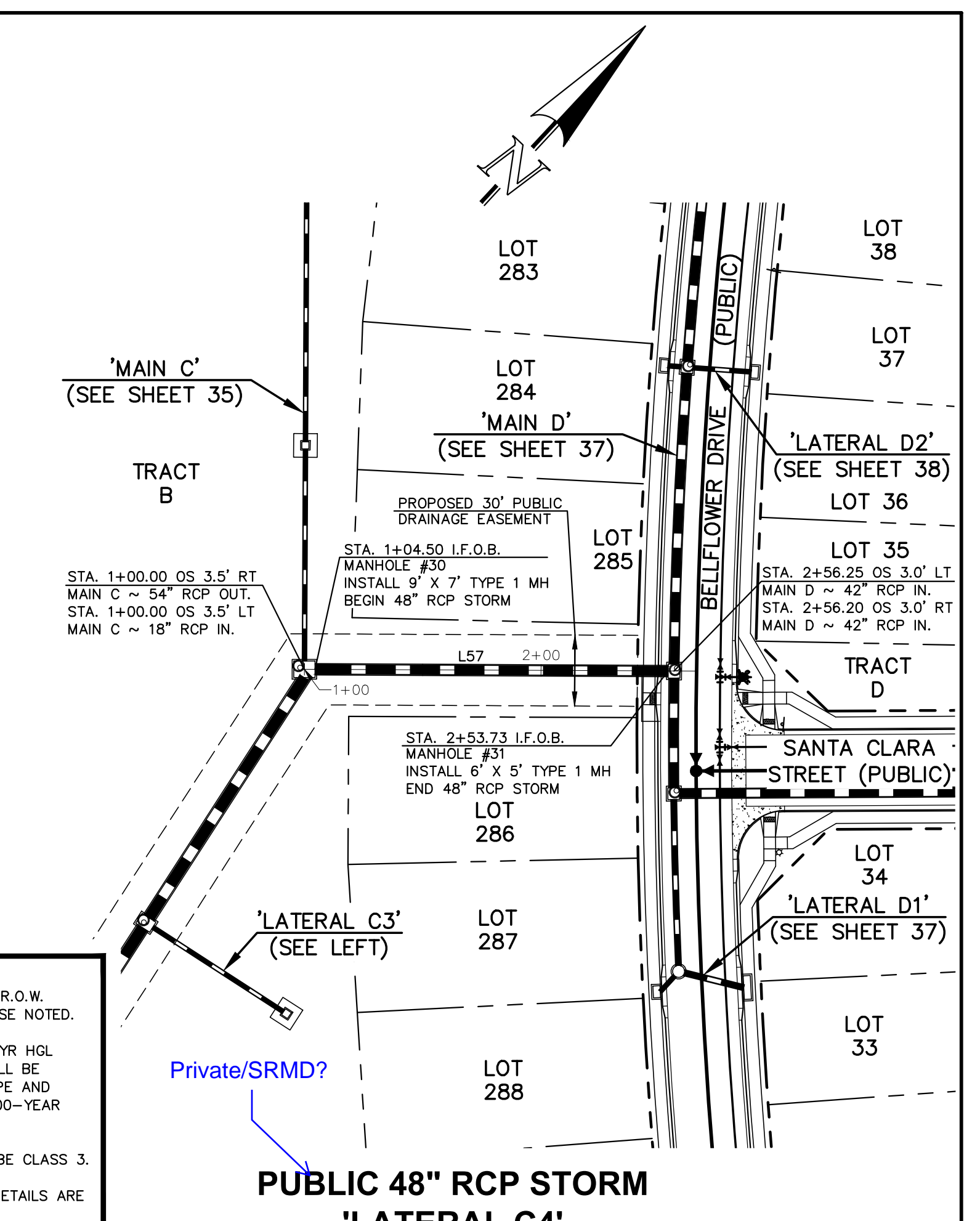
| Line # | Length | Direction |
|--------|--------|-------------|
| L54 | 32.00 | N42°44'03"W |
| L55 | 278.13 | S87°19'14"E |
| L56 | 65.78 | S79°53'03"W |
| L57 | 149.23 | N47°15'57"E |

SCALE: 1" = 50' HORIZ. / 1" = 5' VERT.

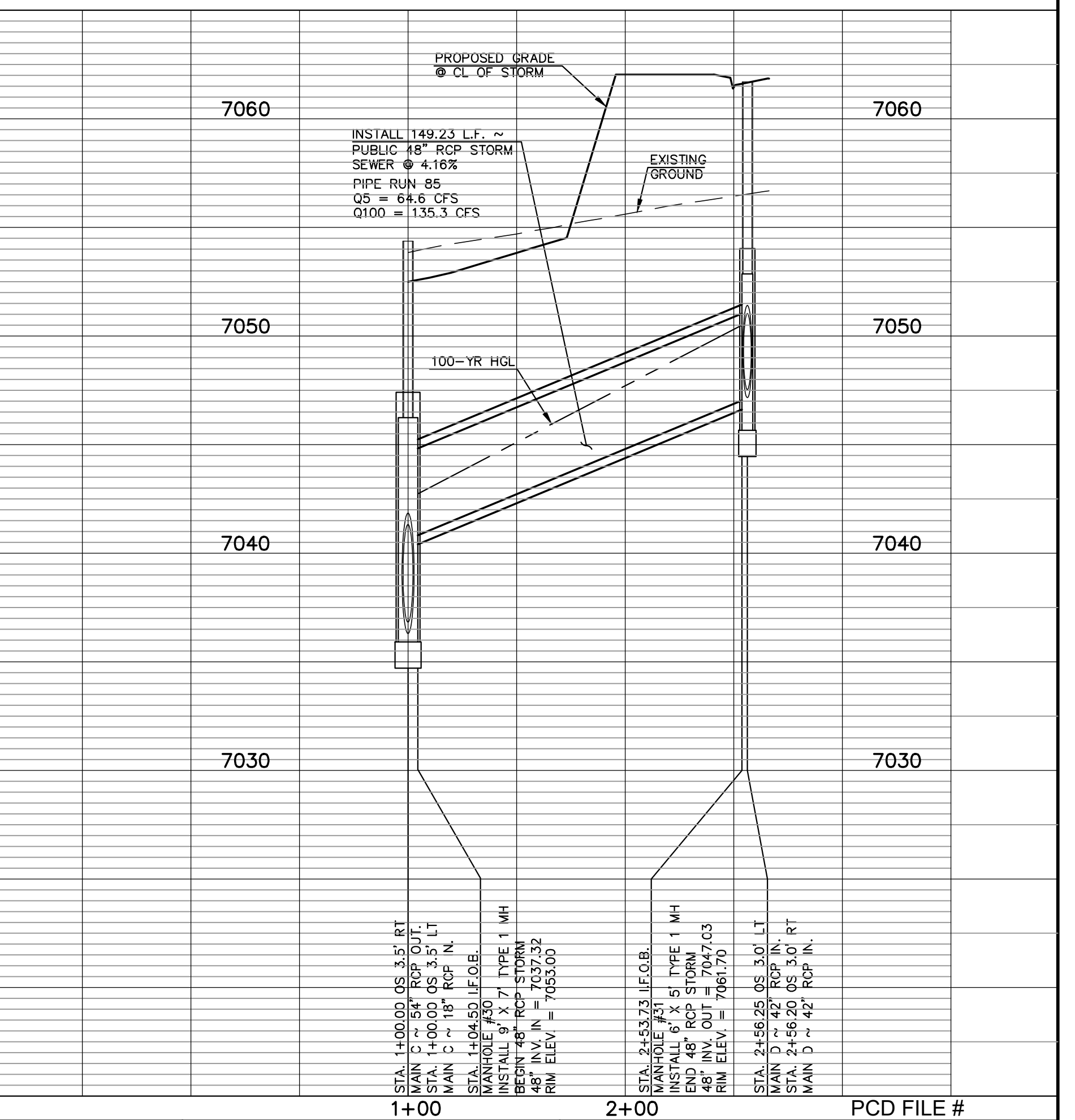
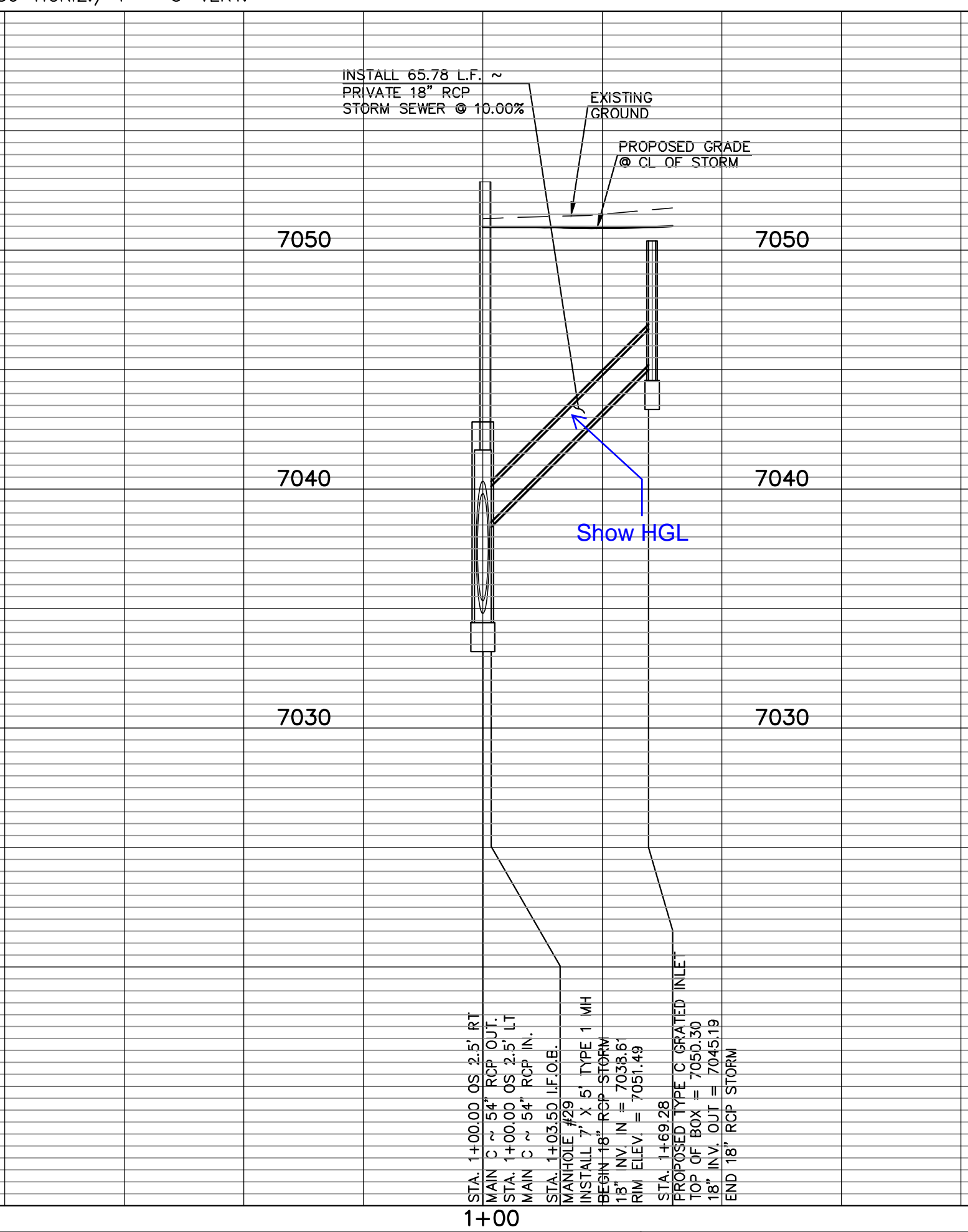
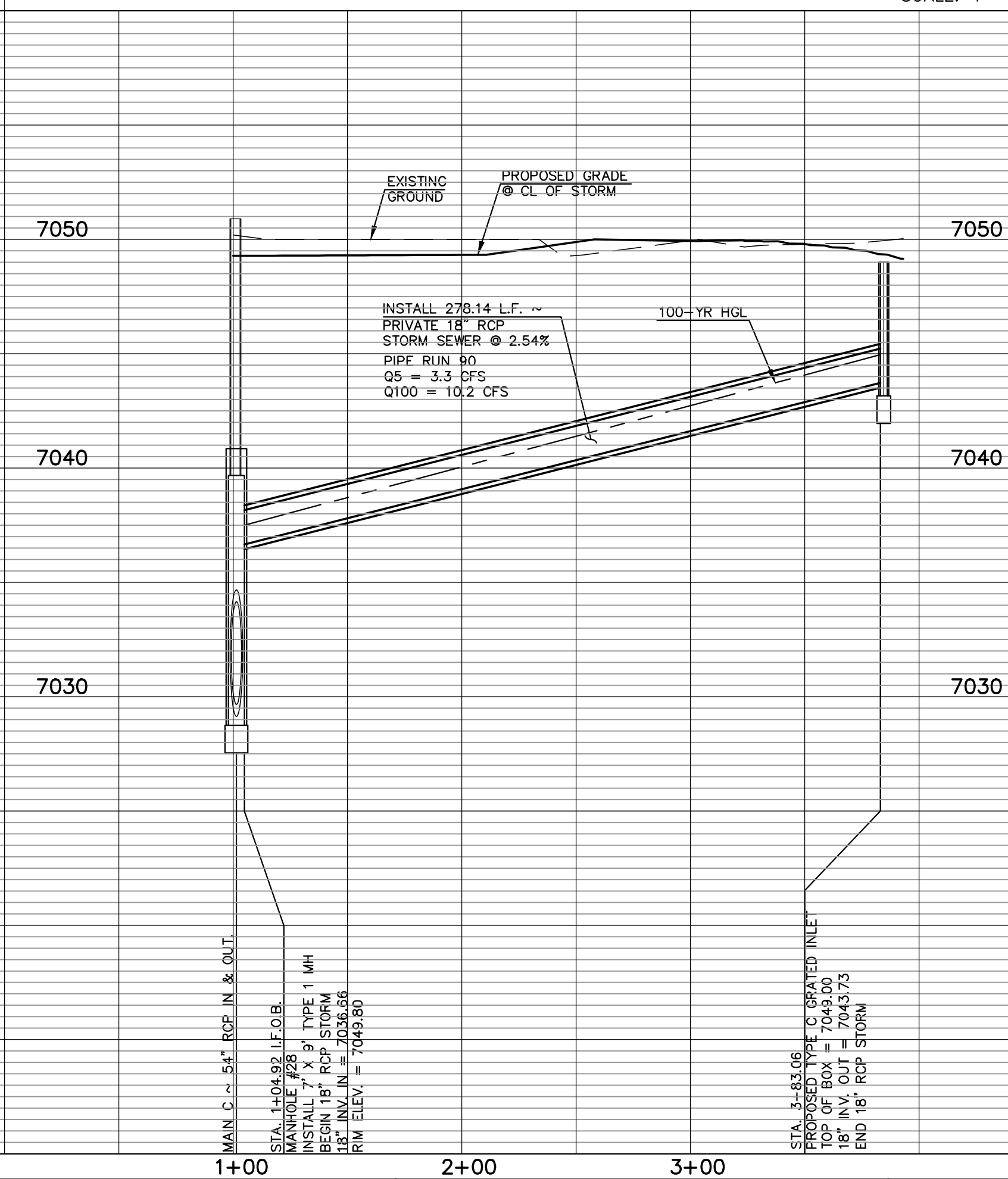
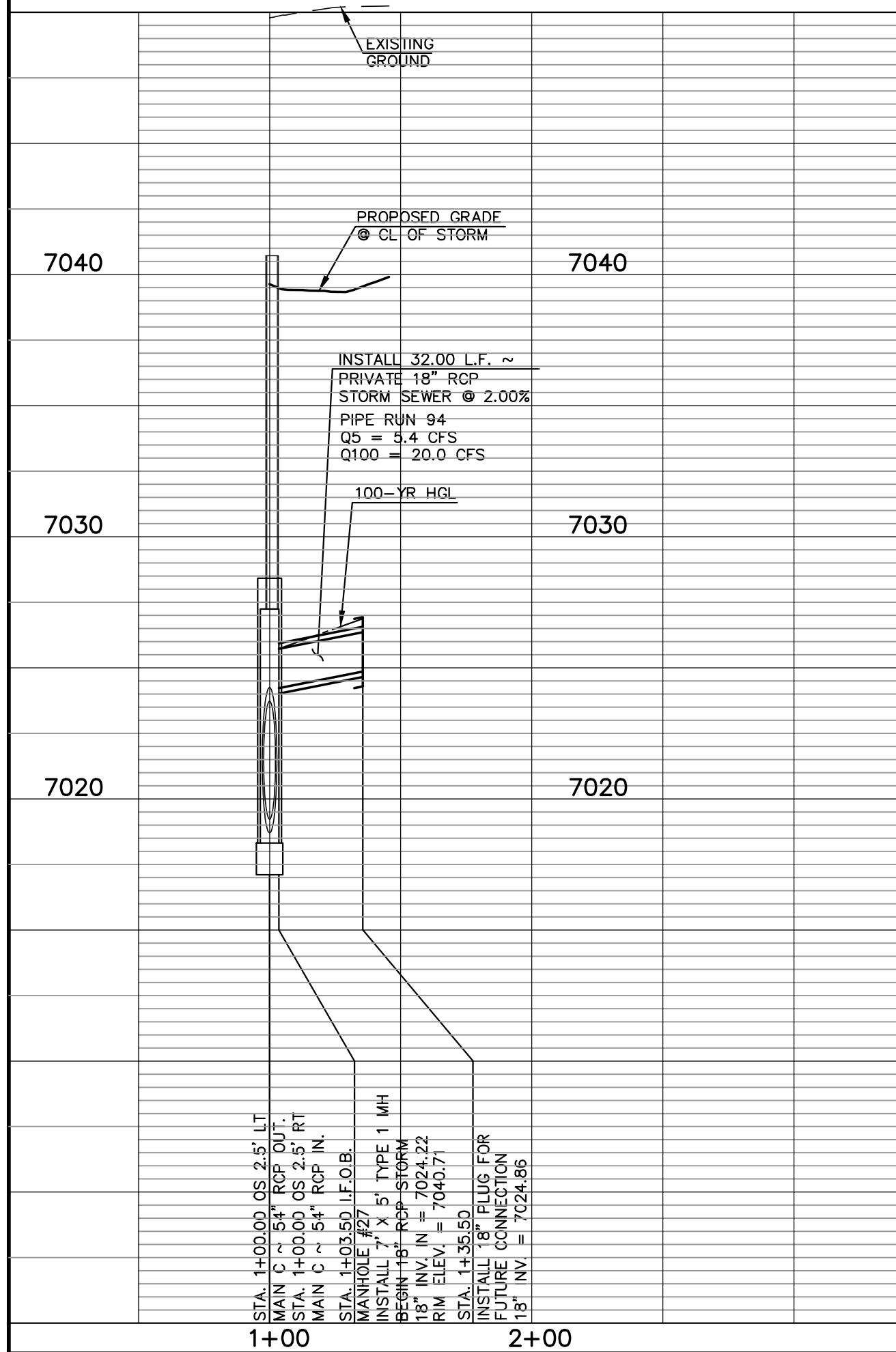


**PRIVATE 18" RCP STORM
'LATERAL C3'**

NOTES:
 ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.
 ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATER TIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.
 ALL STORM SEWER PIPES TO BE CLASS 3.
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.



**PUBLIC 48" RCP STORM
'LATERAL C4'**



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

**48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811**
 UTILITY NOTIFICATION CENTER OF COLORADO
 IT'S THE LAW

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |

REVIEW:
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794

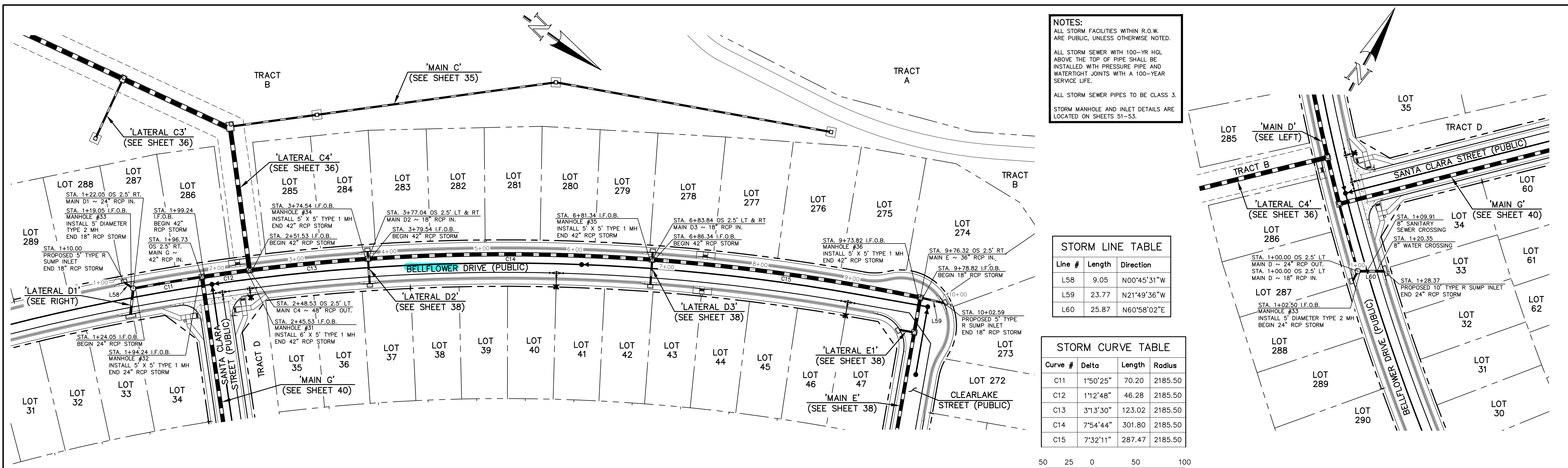
619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719) 785-0790
 (719) 785-0799 (fax)

**STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS**

**PUBLIC STORM SEWER PLAN
LATERAL C1, C2, C3 & C4**

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 36 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

N:\118330\DRAWINGS\CONSTRUCTION\STORM\36-118330-STW-10.dwg, 11/14/2022, 12:45:51 PM, 1:1



NOTES:
 ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.
 ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATER TIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.
 ALL STORM SEWER PIPES TO BE CLASS 3.
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

STORM LINE TABLE

| Line # | Length | Direction |
|--------|--------|-------------|
| L58 | 9.05 | N00°45'31"W |
| L59 | 23.77 | N21°49'36"W |
| L60 | 25.87 | N60°58'02"E |

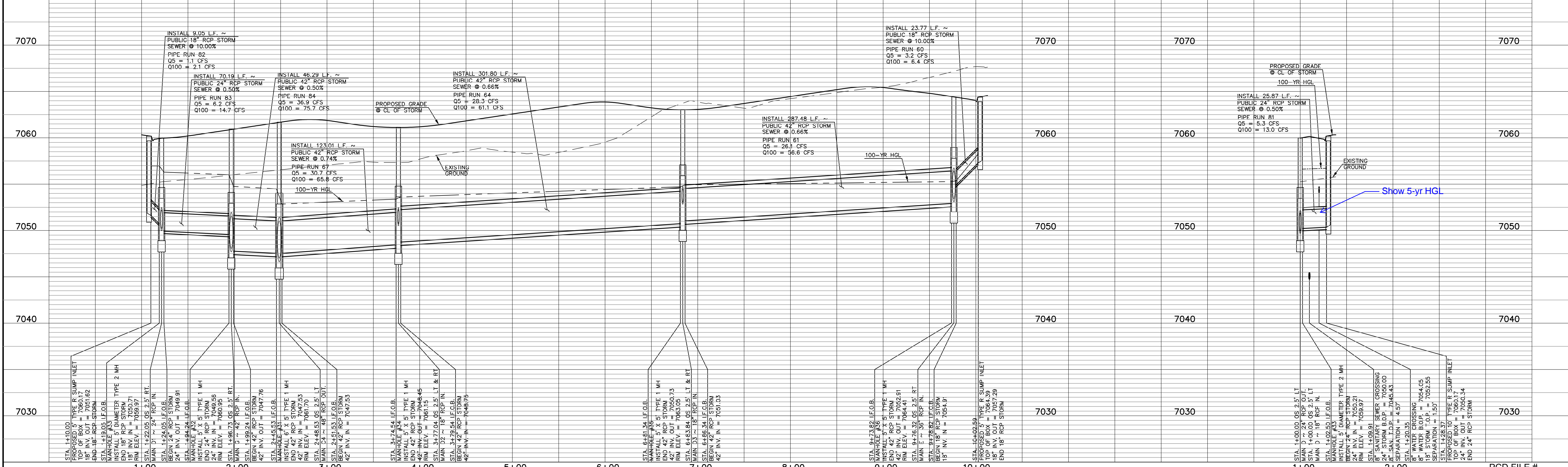
STORM CURVE TABLE

| Curve # | Delta | Length | Radius |
|---------|----------|--------|---------|
| C11 | 1°50'25" | 70.20 | 2185.50 |
| C12 | 1°12'48" | 46.28 | 2185.50 |
| C13 | 3°13'30" | 123.02 | 2185.50 |
| C14 | 7°54'44" | 301.80 | 2185.50 |
| C15 | 7°32'11" | 287.47 | 2185.50 |

50 25 0 50 100
 SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.

PUBLIC 18"24"/42" RCP STORM - 'MAIN D'

PUBLIC 24" RCP STORM - 'LATERAL D1'



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | R/W/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

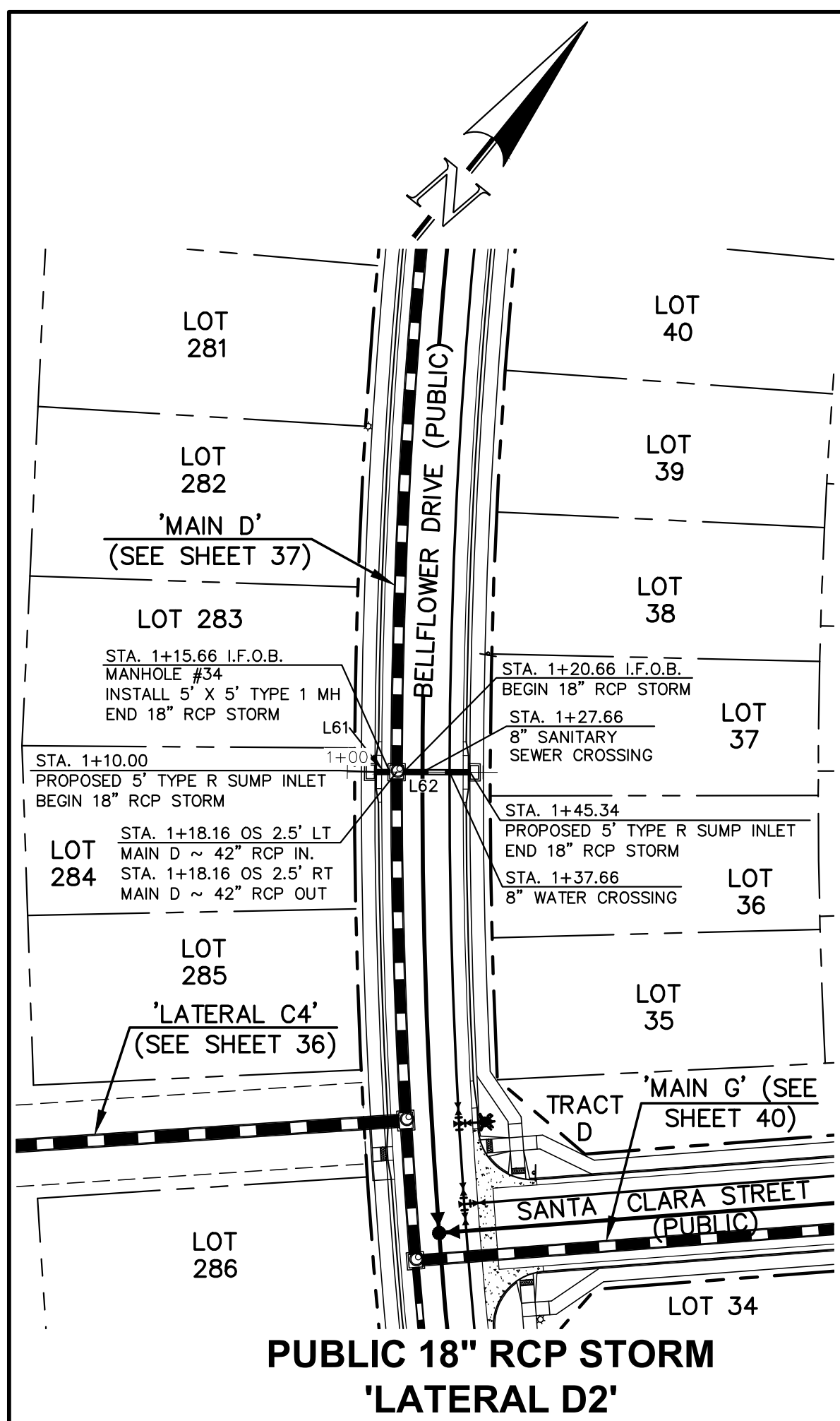
STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 "MAIN D" STA: 1+00 - END / LATERAL D1

CLASSIC CONSULTING

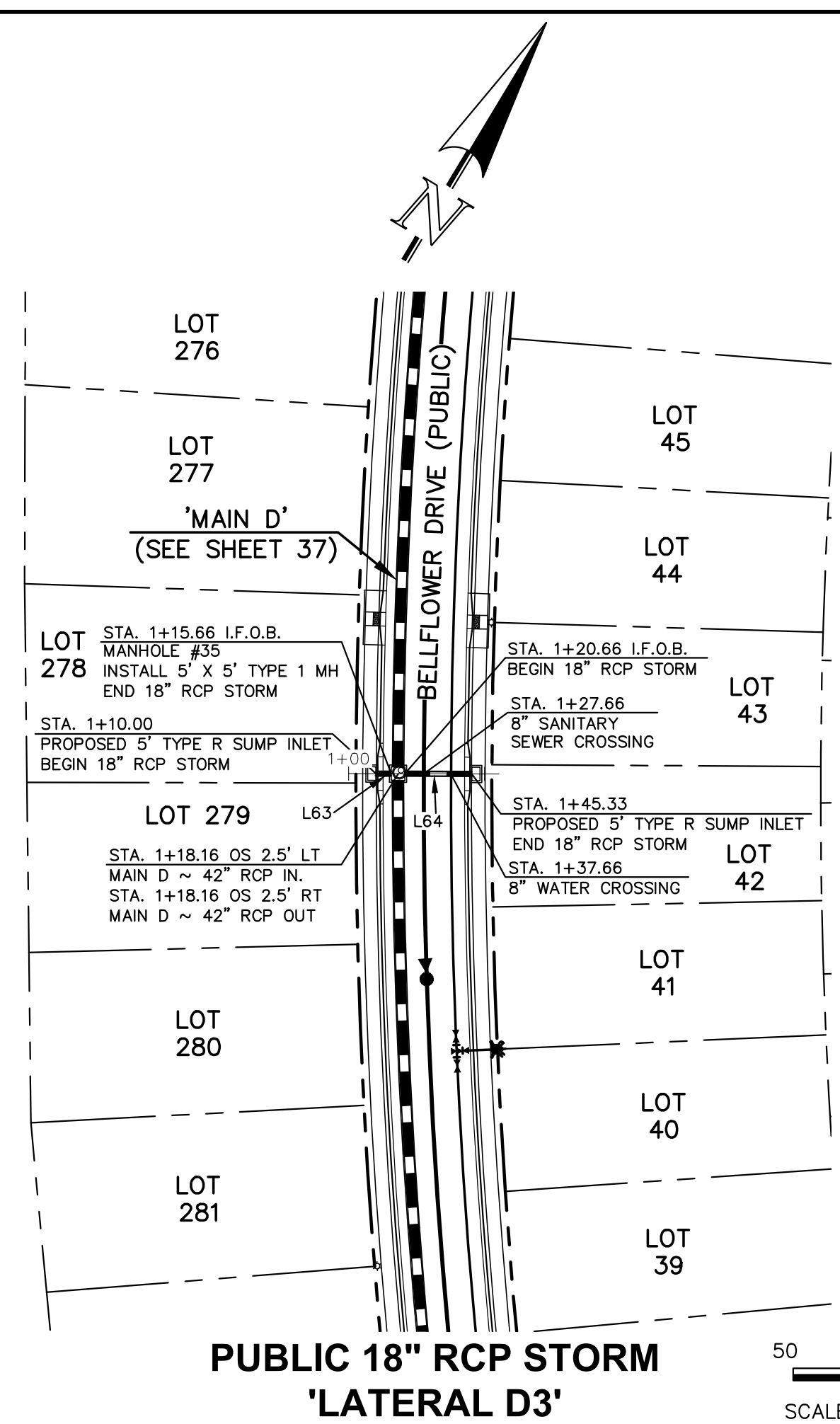
DESIGNED BY: MAL SCALE: DATE: 08/31/22
 DRAWN BY: MES (H) 1" = 50' SHEET 37 OF 53
 CHECKED BY: (V) 1" = 5' JOB NO. 1183.30

619 N. Cascade Avenue, Suite 200 (719)785-0790
 Colorado Springs, Colorado 80903 (719)785-0799(fax)

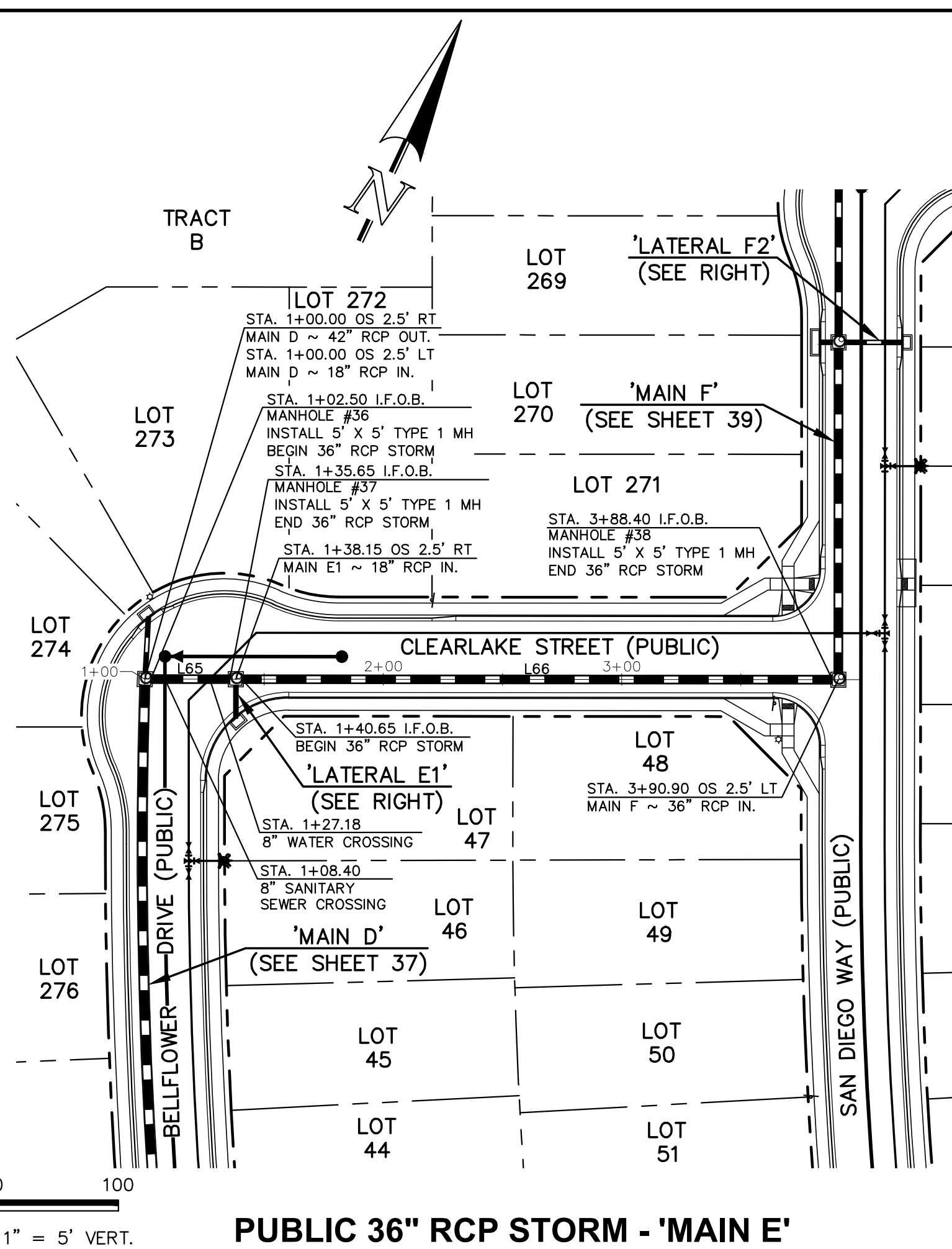
N:\118330\DRAWINGS\CONSTRUCTION\STORMA\118330-STA-1.dwg, 11/14/2022, 12:46:08 PM, 1:1



**PUBLIC 18" RCP STORM
'LATERAL D2'**



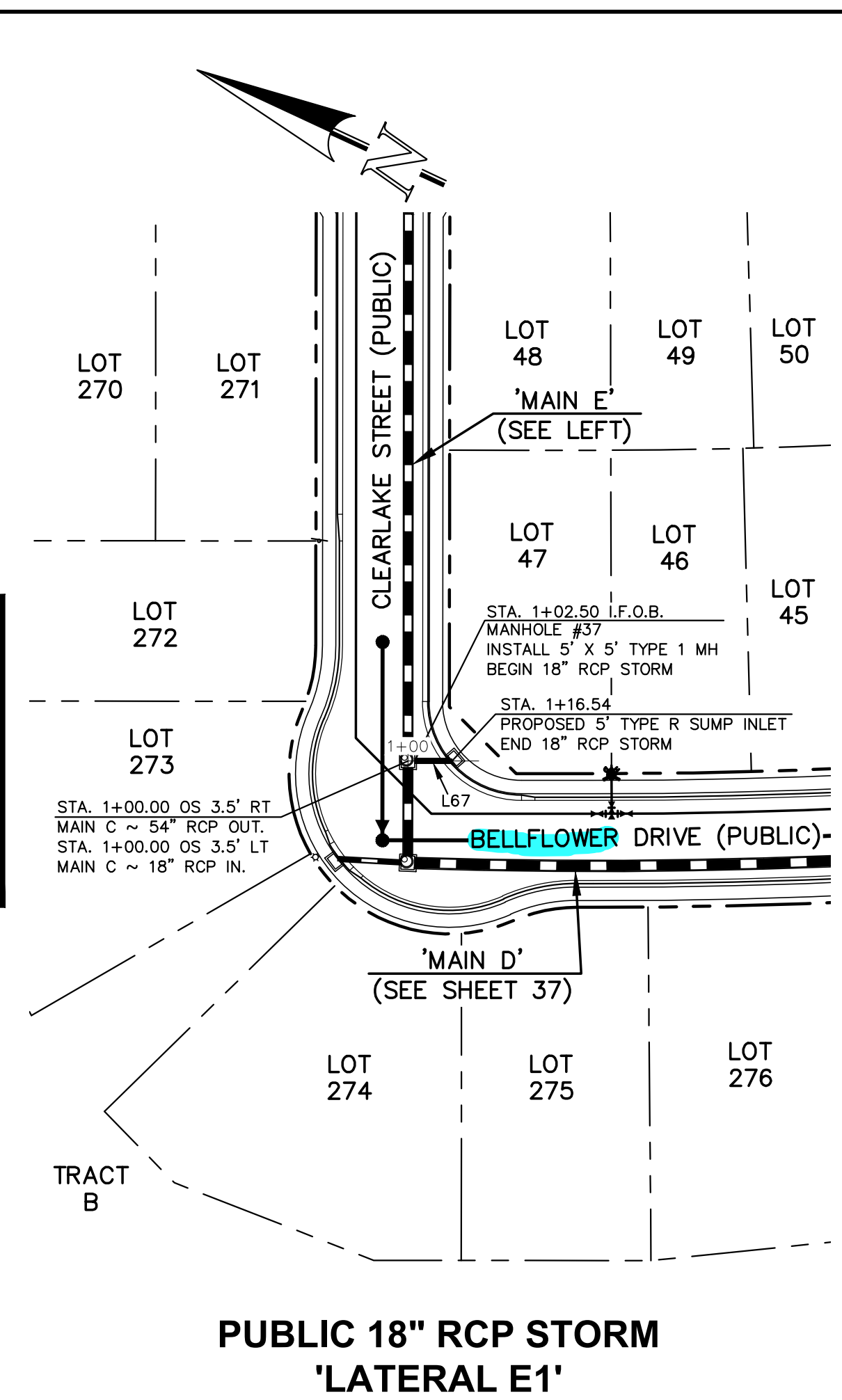
**PUBLIC 18" RCP STORM
'LATERAL D3'**



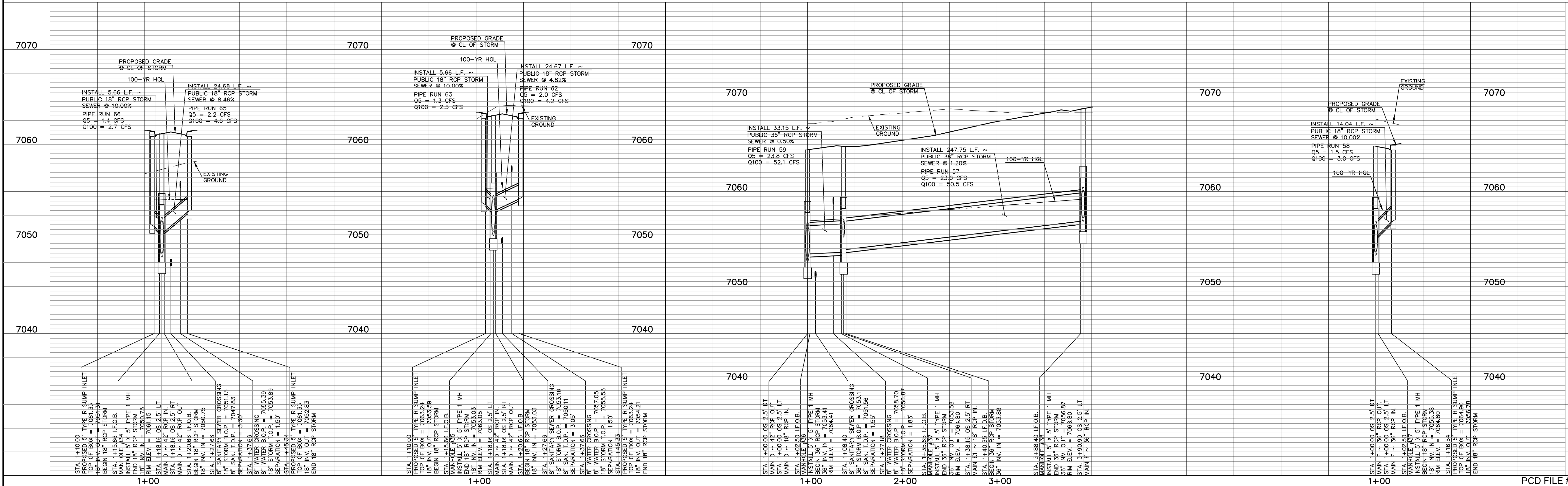
PUBLIC 36" RCP STORM - 'MAIN E'

NOTES:
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 ALL STORM SEWER PIPES TO BE CLASS 3.
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

| Line # | Length | Direction |
|--------|--------|-------------|
| L61 | 5.66 | N51°09'15"E |
| L62 | 24.67 | N51°09'15"E |
| L63 | 5.66 | S59°11'23"W |
| L64 | 24.67 | S59°11'23"W |
| L65 | 33.15 | N65°02'48"E |
| L66 | 247.75 | N65°02'48"E |
| L67 | 14.04 | N24°57'12"W |



**PUBLIC 18" RCP STORM
'LATERAL E1'**



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | R/W/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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| NO. | REVISION | DATE |
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 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794

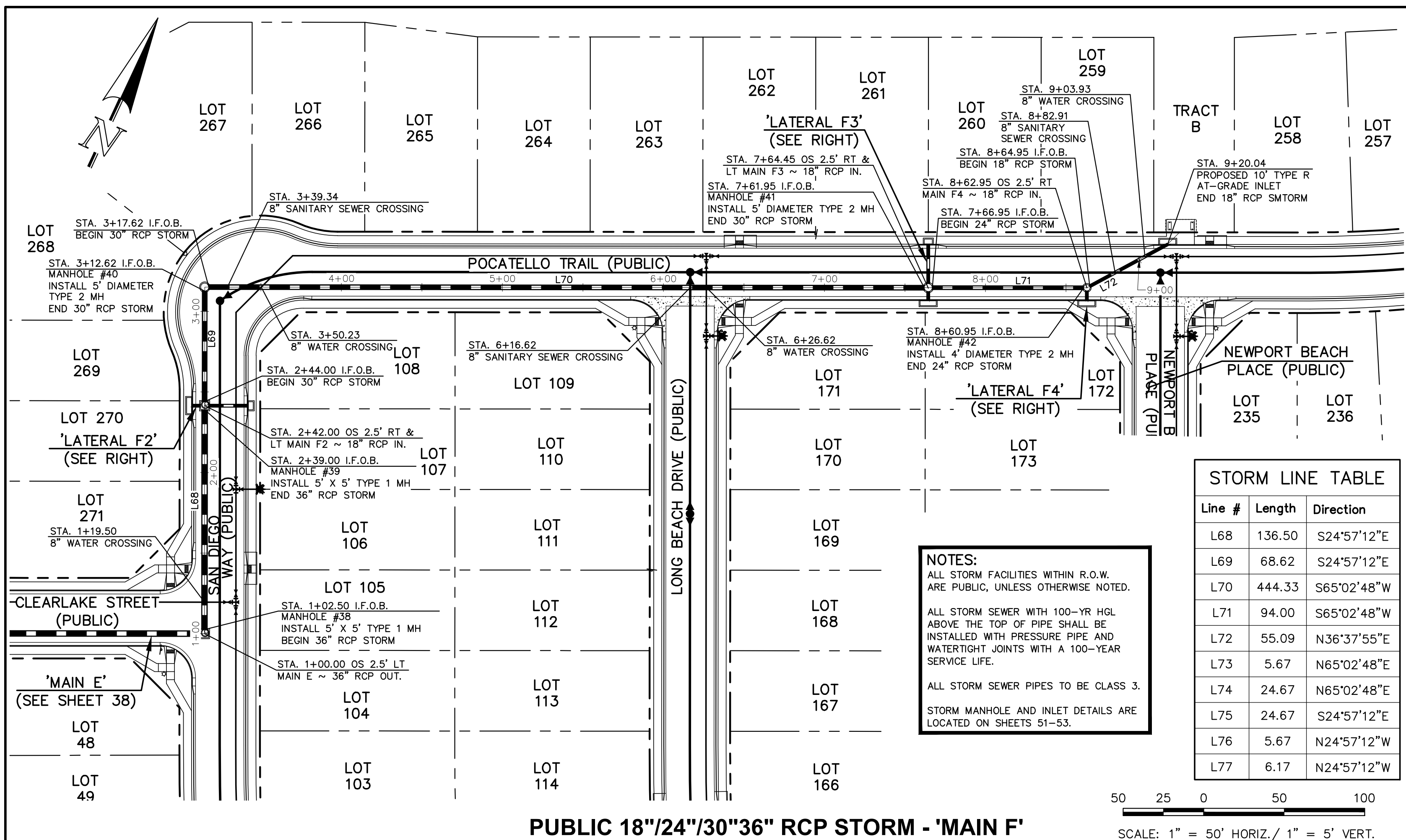
CLASSIC CONSULTING

STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 "MAIN E" STA: 1+00-END/LATERAL D2, D3 & E1

DESIGNED BY: MAL
 DRAWN BY: MES
 CHECKED BY:

SCALE: (H) 1" = 50'
 (V) 1" = 5'

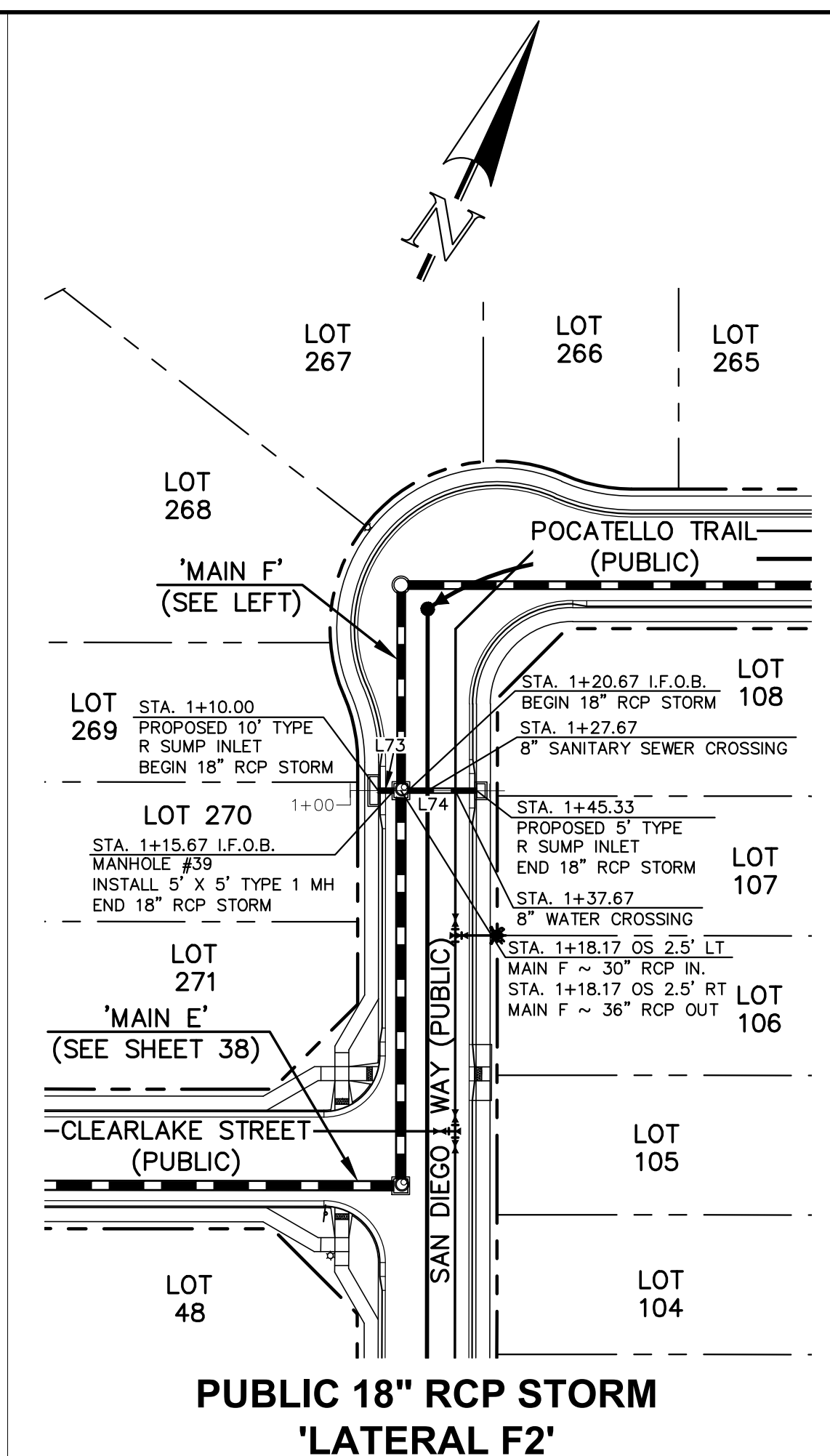
DATE: 08/31/22
 SHEET 38 OF 53
 JOB NO. 1183.30



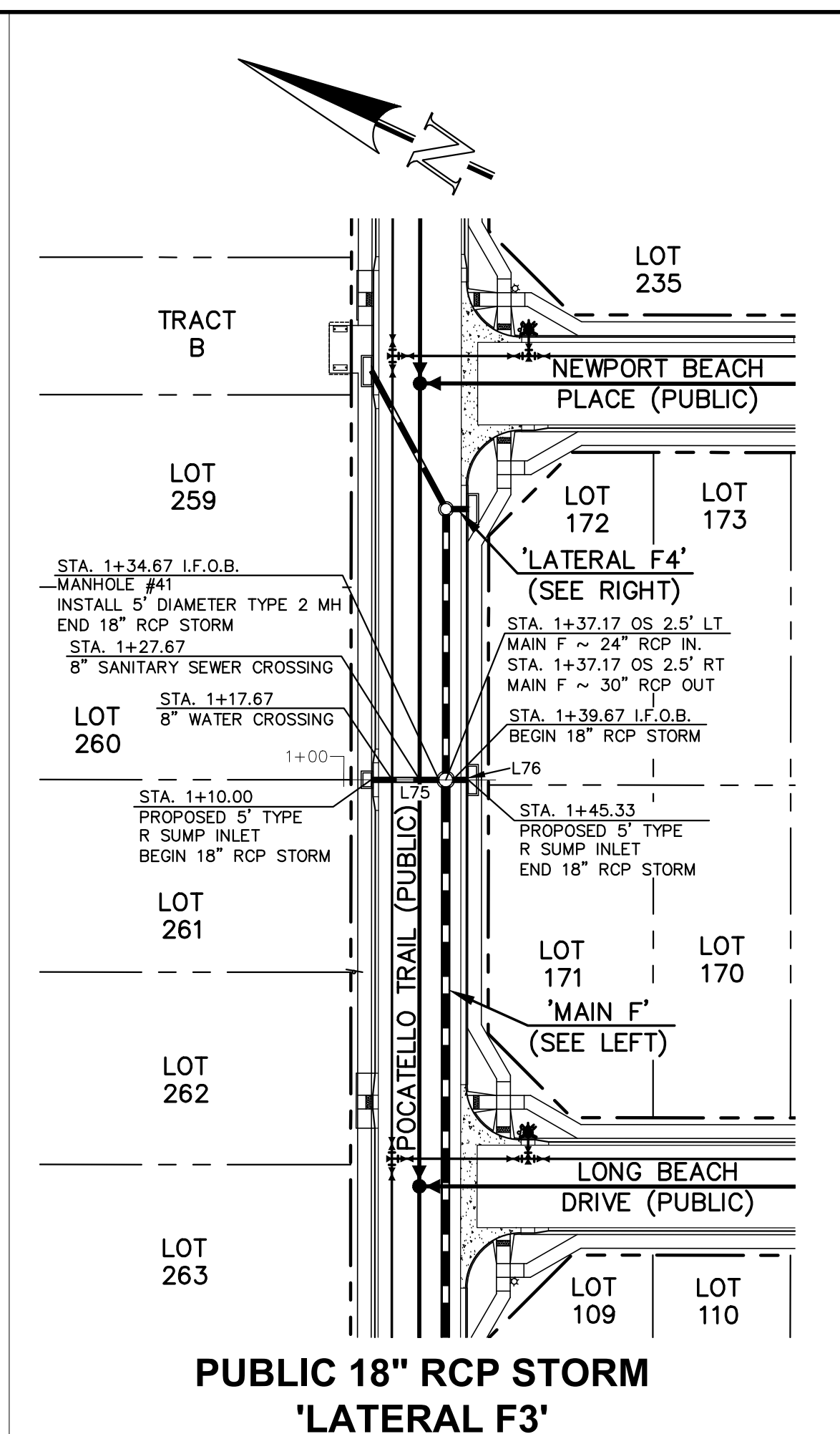
| Line # | Length | Direction |
|--------|--------|-------------|
| L68 | 136.50 | S24°57'12"E |
| L69 | 68.62 | S24°57'12"E |
| L70 | 444.33 | S65°02'48"W |
| L71 | 94.00 | S65°02'48"W |
| L72 | 55.09 | N36°37'55"E |
| L73 | 5.67 | N65°02'48"E |
| L74 | 24.67 | N65°02'48"E |
| L75 | 24.67 | S24°57'12"E |
| L76 | 5.67 | N24°57'12"W |
| L77 | 6.17 | N24°57'12"W |

NOTES:
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 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

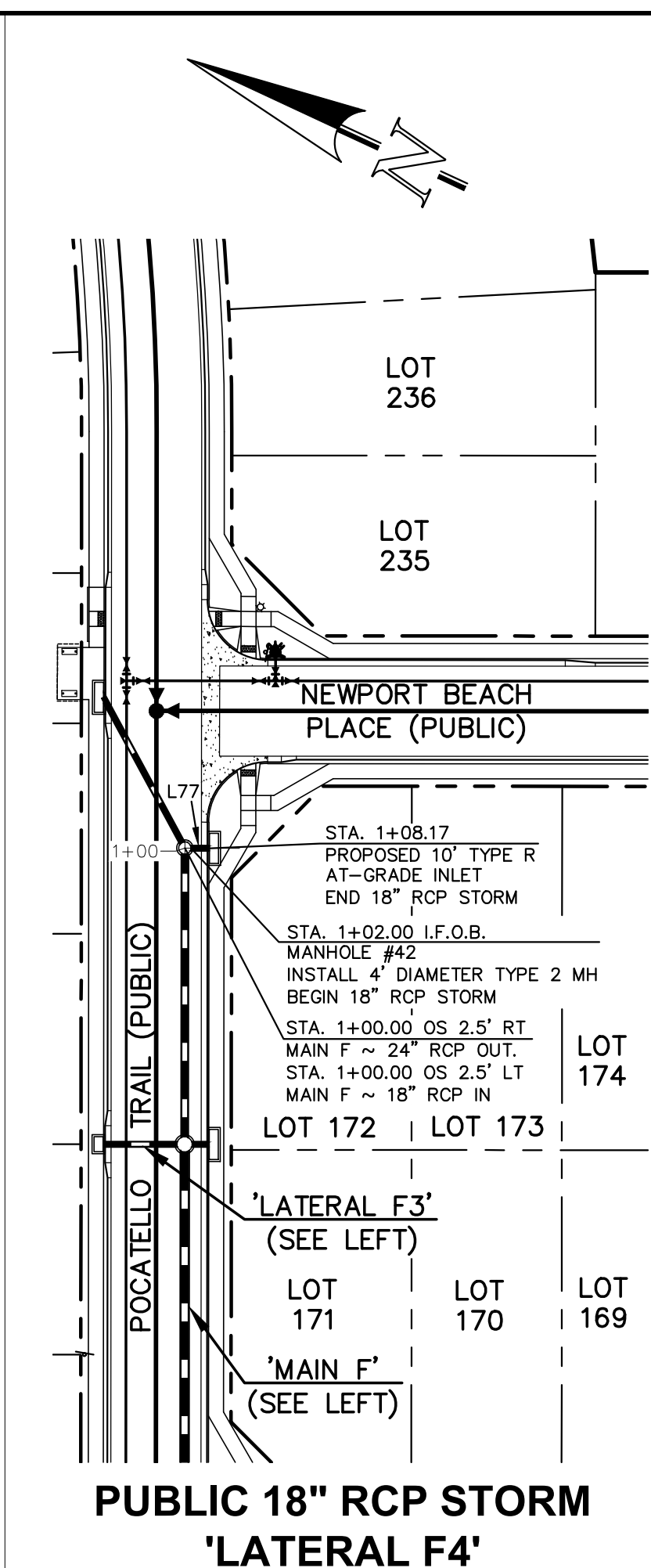
SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.



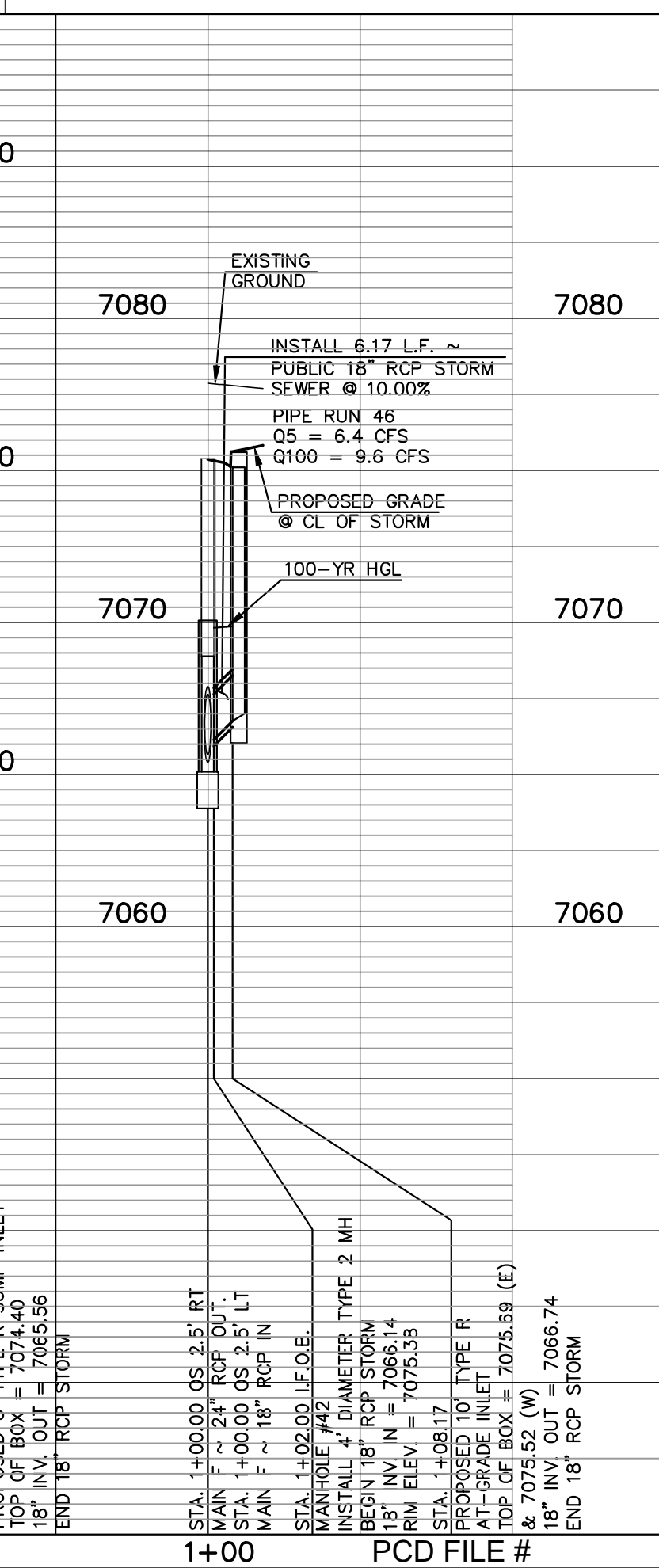
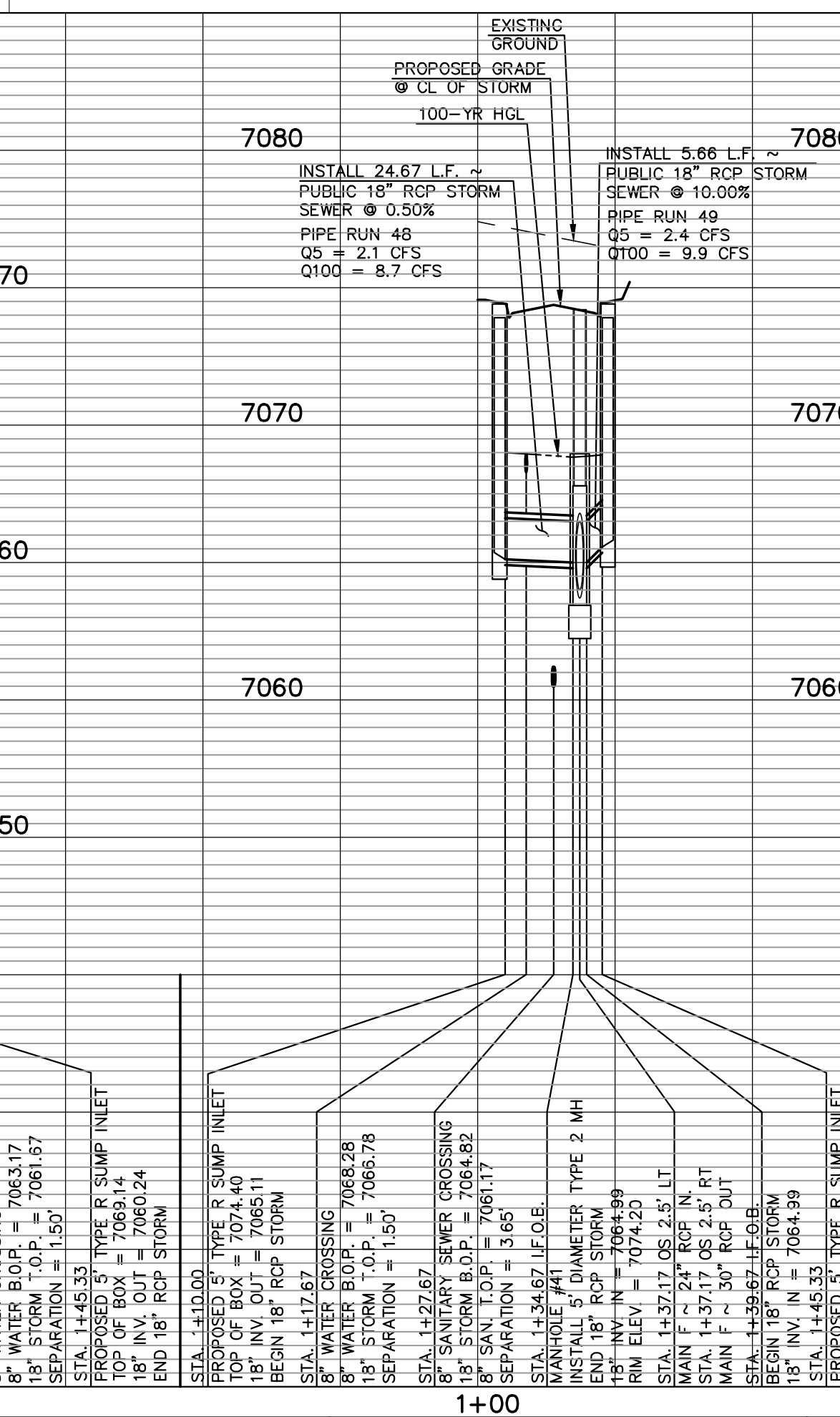
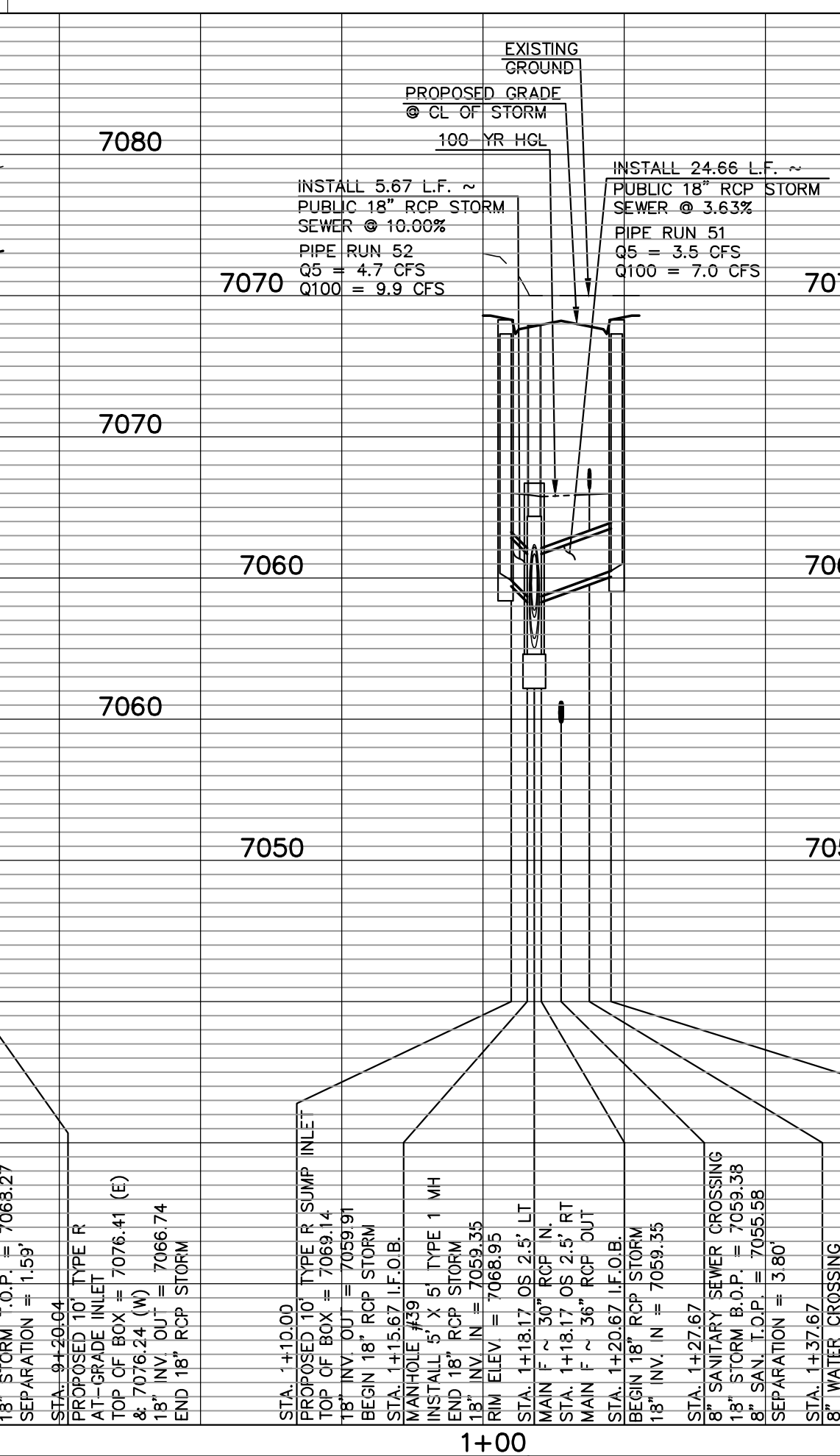
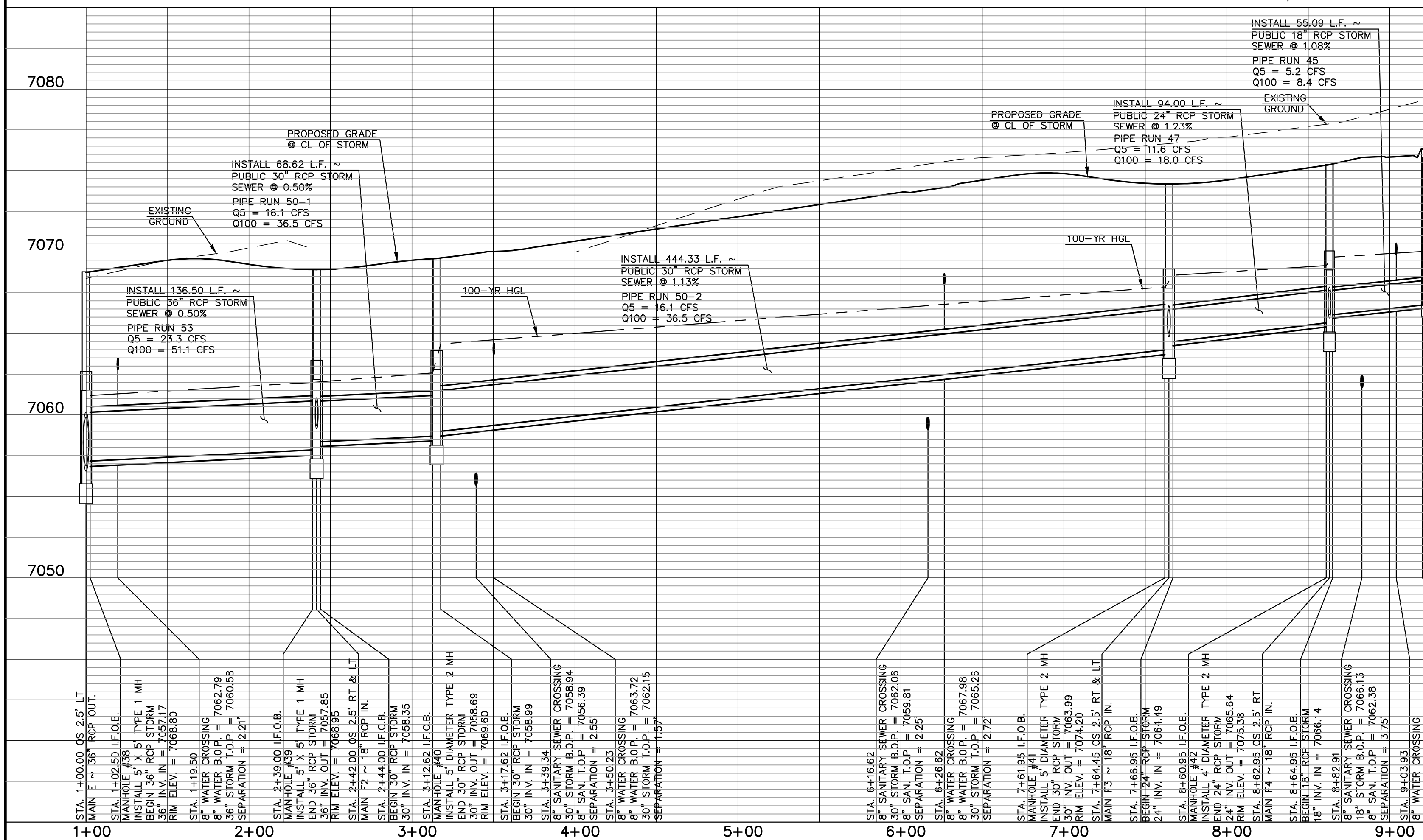
PUBLIC 18" RCP STORM 'LATERAL F2'



PUBLIC 18" RCP STORM 'LATERAL F3'



PUBLIC 18" RCP STORM 'LATERAL F4'



LEGEND

- PROPOSED FIRE HYDRANT
- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER MAIN
- PROPOSED STORM SEWER
- PROPOSED STORM INLET
- R/W/BOUNDARY LINE
- EXISTING FIRE HYDRANT
- EXISTING WATER MAIN
- EXISTING SANITARY SEWER MAIN
- EXISTING STORM SEWER
- EXISTING STORM INLET
- EXISTING GAS MAIN
- EXISTING ELECTRIC

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| NO. | REVISION | DATE |
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KYLE R. CAMPBELL, COLORADO P.E. #29794

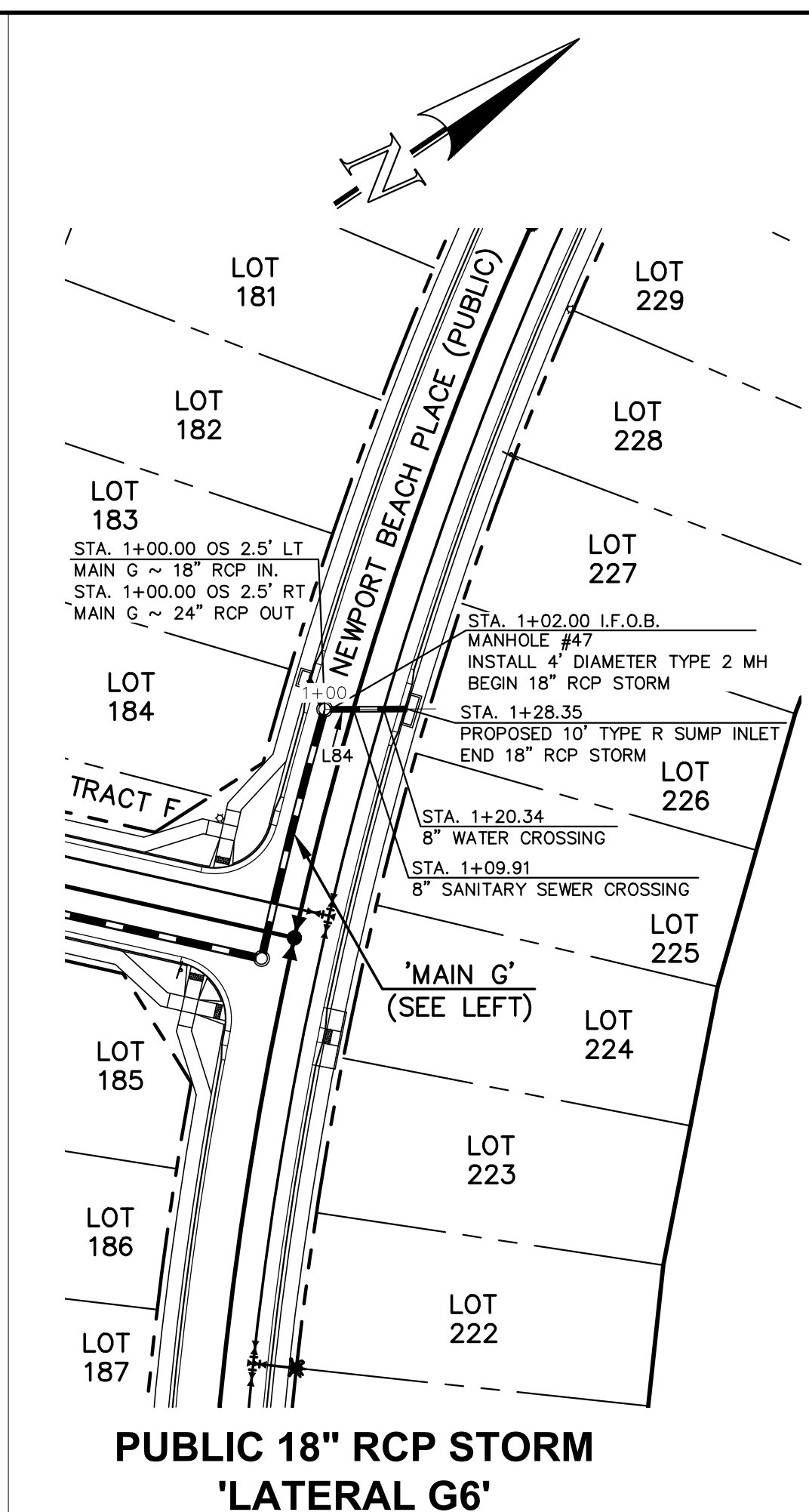
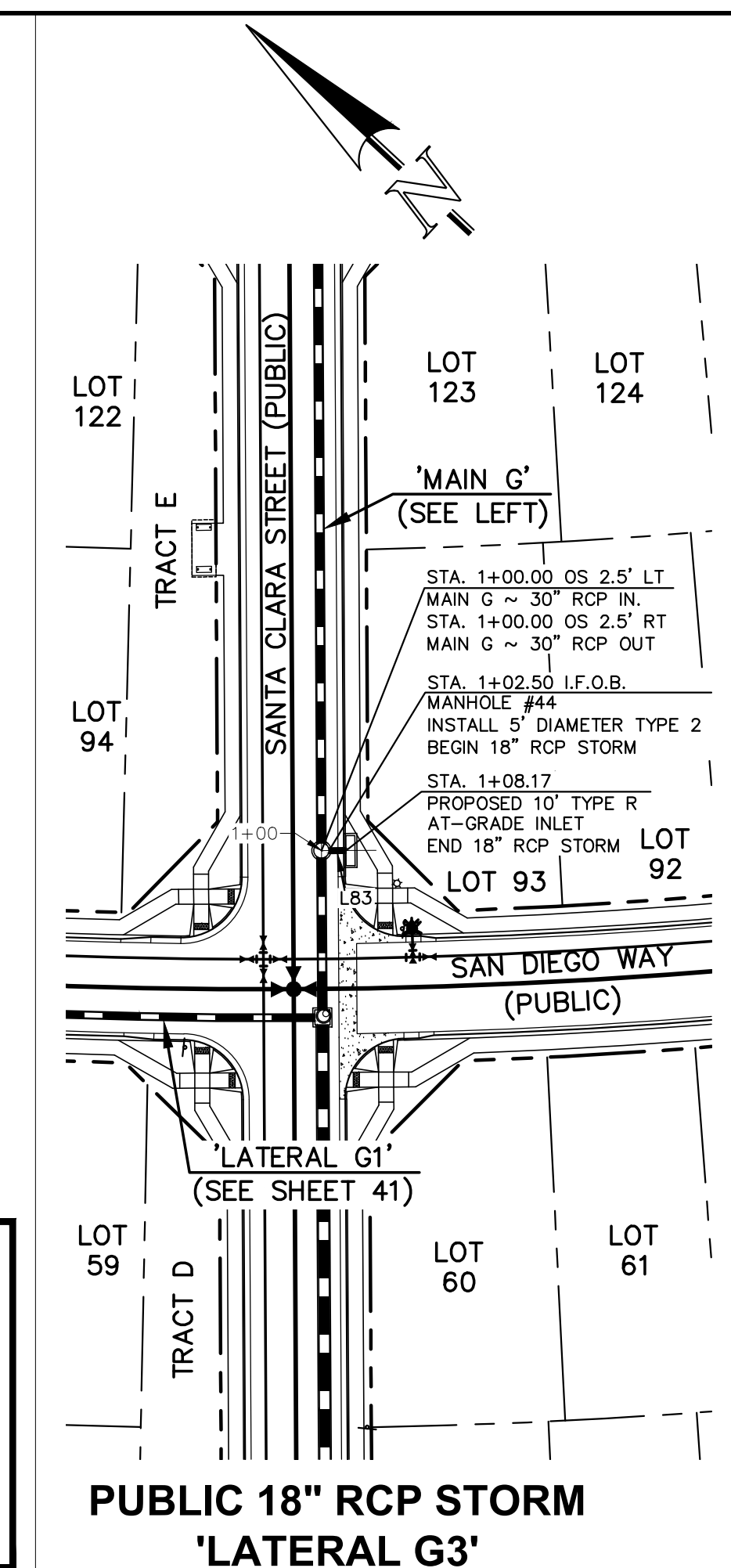
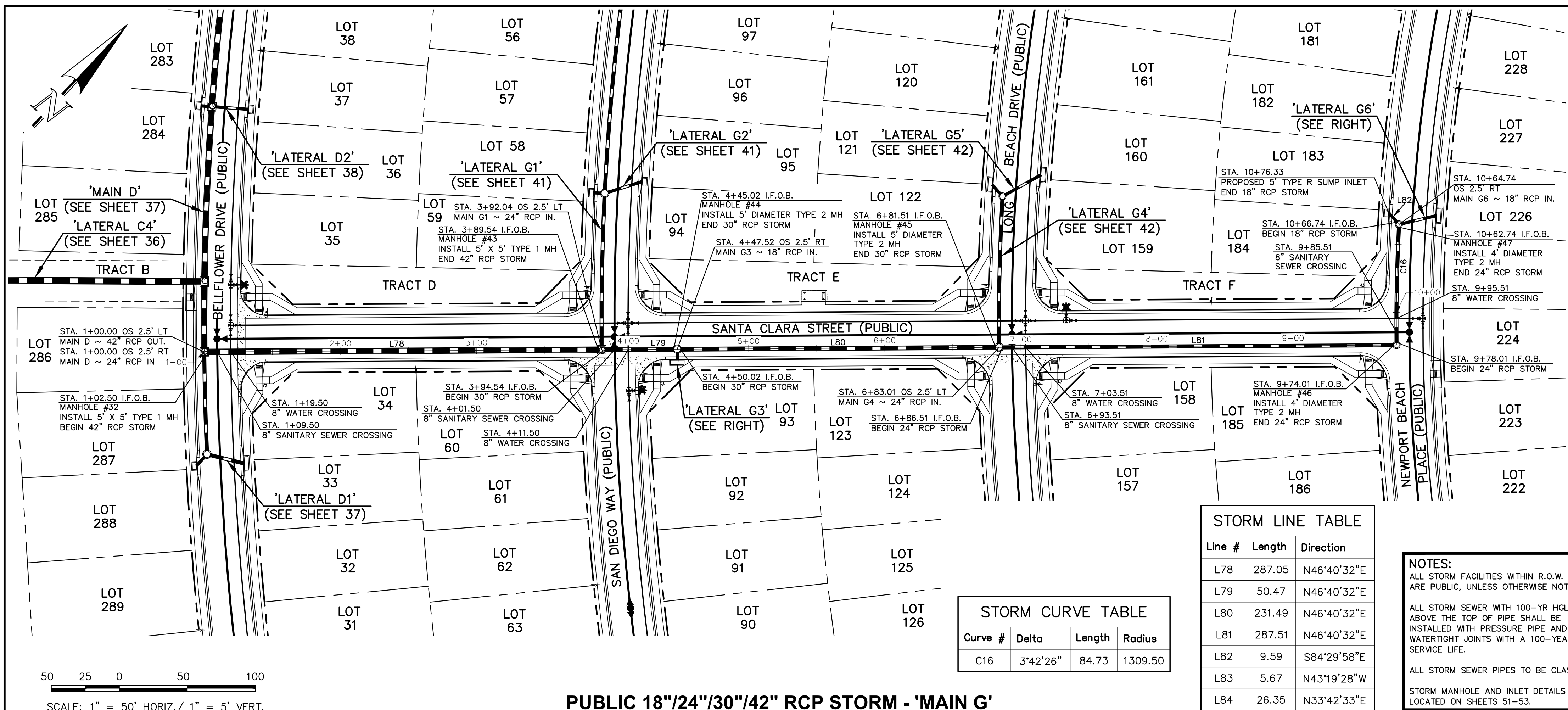
619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903
 (719)785-0790
 (719)785-0799(fax)

STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 "MAIN F" STA:1+00-END/LATERAL F2, F3 & F4

DESIGNED BY: MAL
 DRAWN BY: MES
 CHECKED BY: (V)

SCALE: (H) 1" = 50'
 (V) 1" = 5'

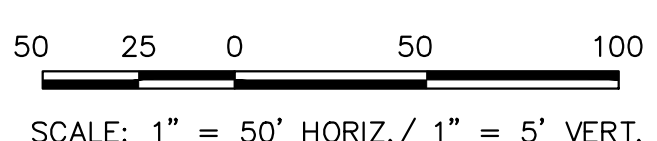
DATE: 08/31/22
 SHEET 39 OF 53
 JOB NO. 1183.30



| Line # | Length | Direction |
|--------|--------|-------------|
| L78 | 287.05 | N46°40'32"E |
| L79 | 50.47 | N46°40'32"E |
| L80 | 231.49 | N46°40'32"E |
| L81 | 287.51 | N46°40'32"E |
| L82 | 9.59 | S84°29'58"E |
| L83 | 5.67 | N43°19'28"W |
| L84 | 26.35 | N33°42'33"E |

NOTES:
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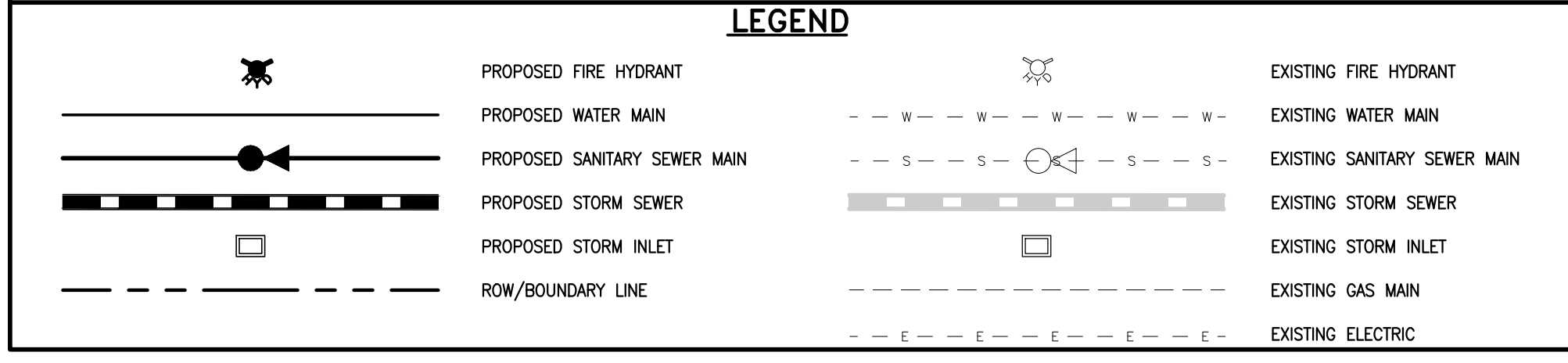
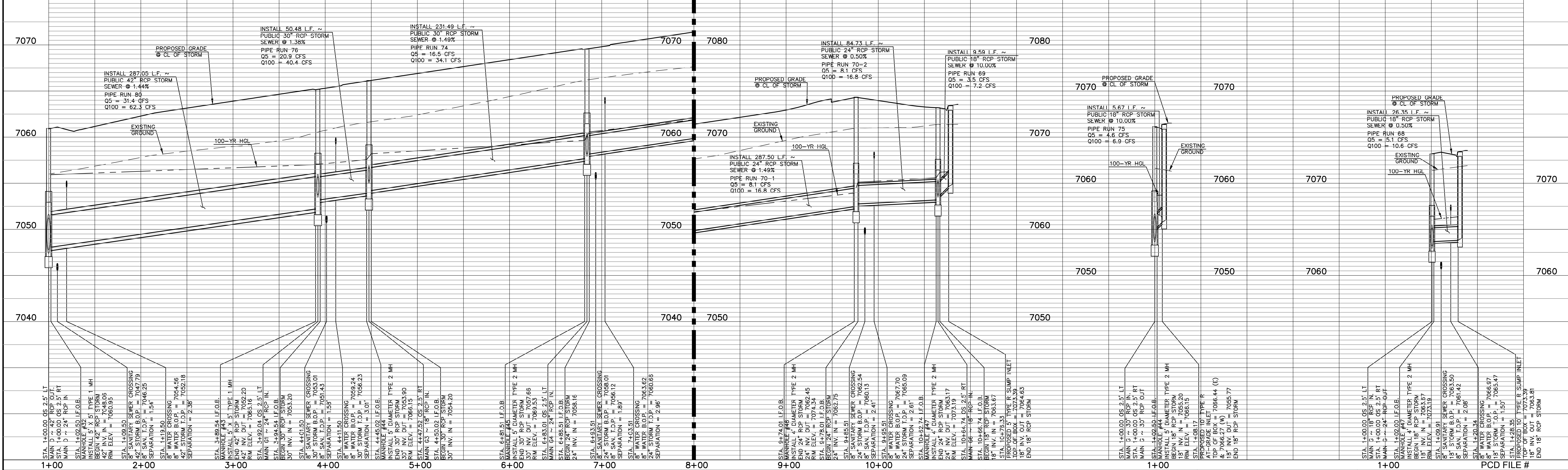
| Curve # | Delta | Length | Radius |
|---------|----------|--------|---------|
| C16 | 3'42"26" | 84.73 | 1309.50 |



PUBLIC 18"/24"/30"/42" RCP STORM - 'MAIN G'

PUBLIC 18" RCP STORM 'LATERAL G3'

PUBLIC 18" RCP STORM 'LATERAL G6'



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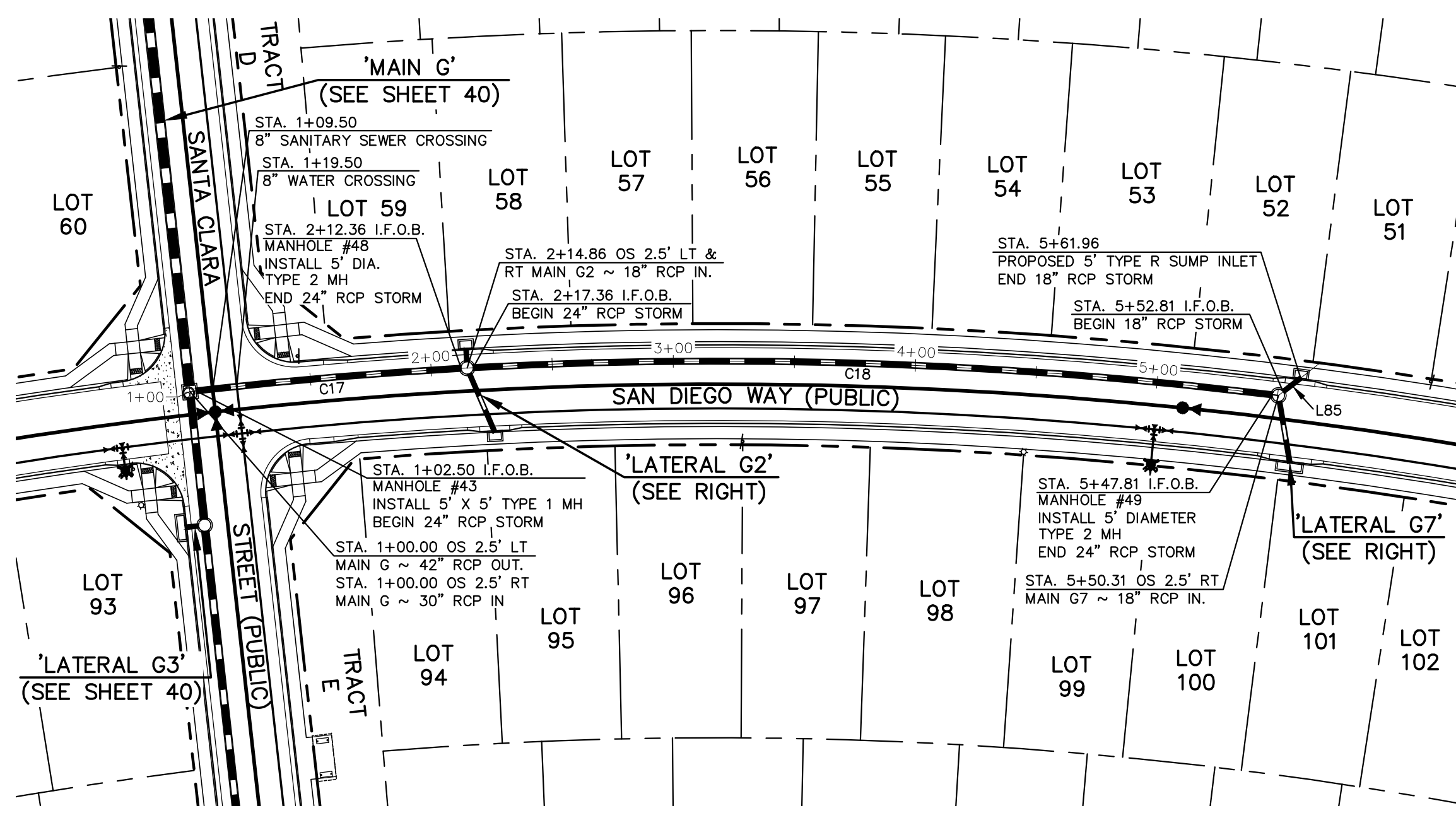
| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

REVIEW:
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

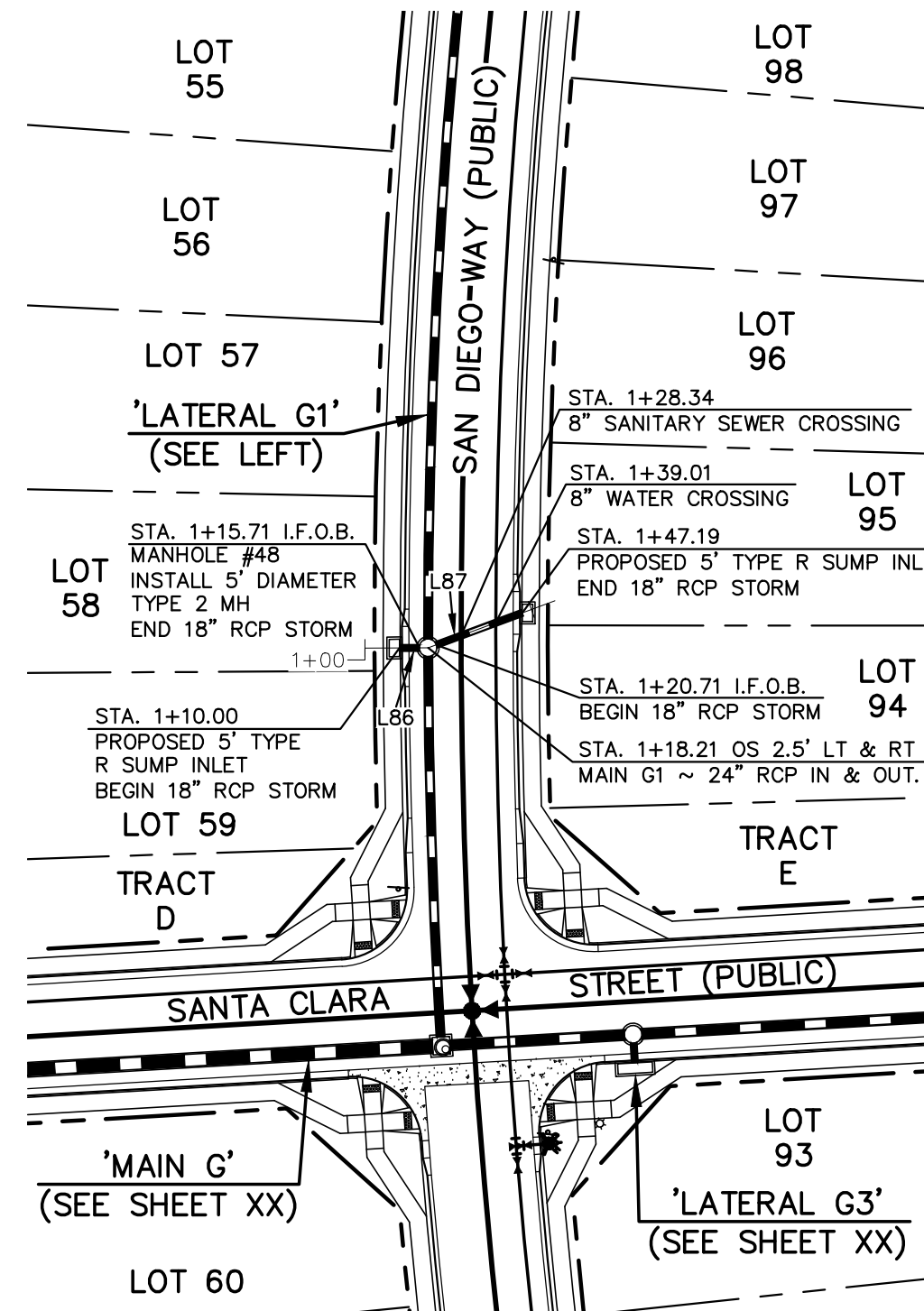
KYLE R. CAMPBELL, COLORADO P.E. #29794



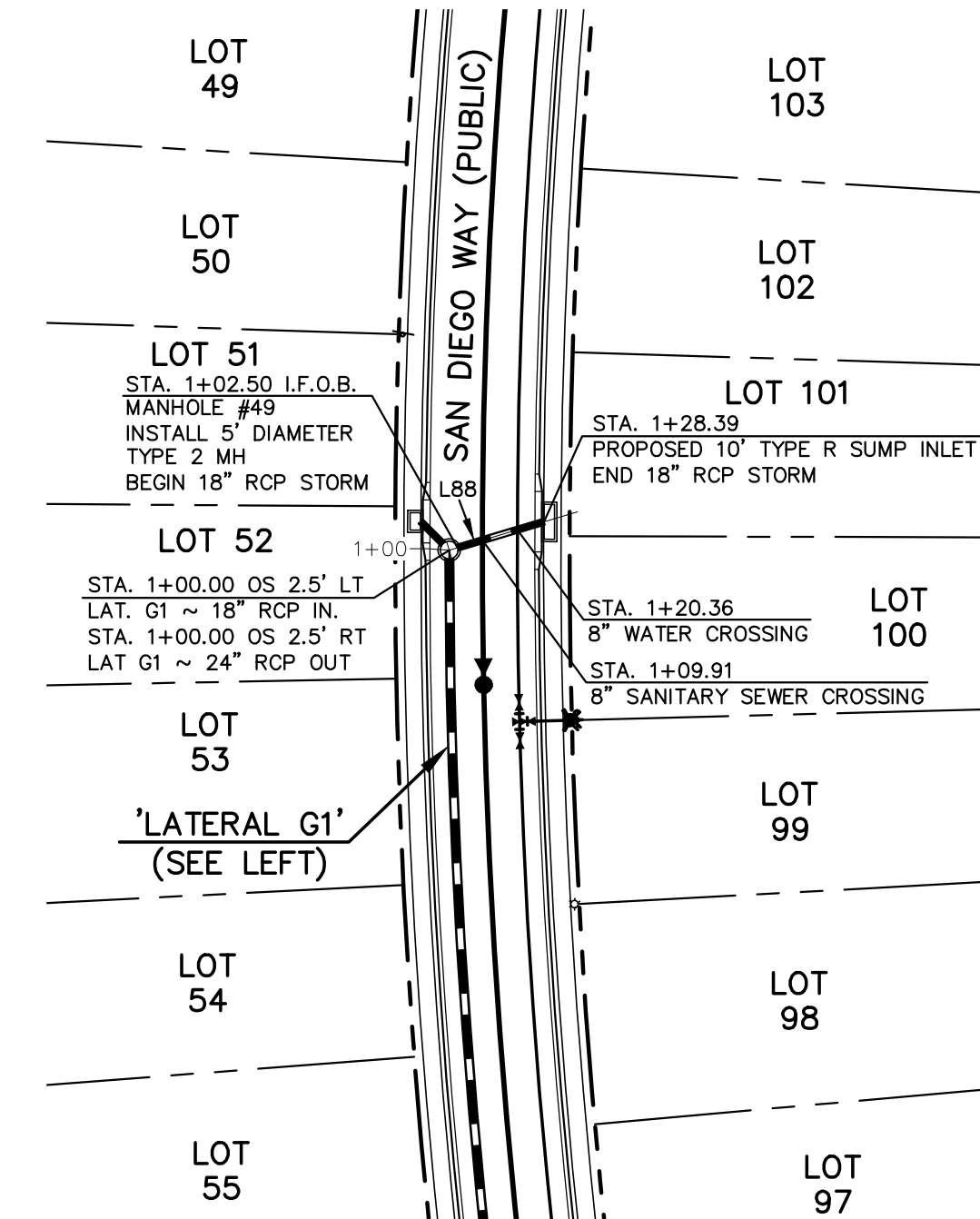
| STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS | | | |
|---|-------------|--------------|----------------|
| PUBLIC STORM SEWER PLAN "MAIN G" STA: 1+00 - END/LATERAL G3 & G6 | | | |
| DESIGNED BY | MAL | SCALE | DATE |
| DRAWN BY | MES | (H) 1" = 50' | SHEET 40 OF 53 |
| CHECKED BY | (V) 1" = 5' | DATE | JOB NO. |
| | | 08/31/22 | 1183.30 |



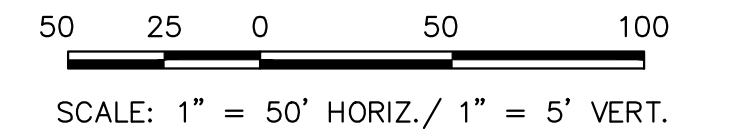
PUBLIC 18"/24" RCP STORM - 'LATERAL G1'



**PUBLIC 18" RCP STORM
'LATERAL G2'**



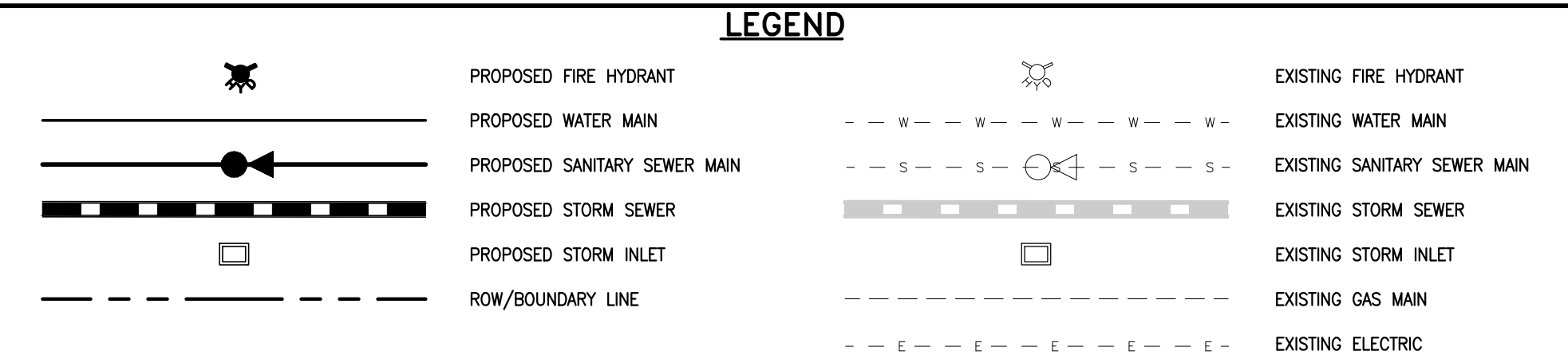
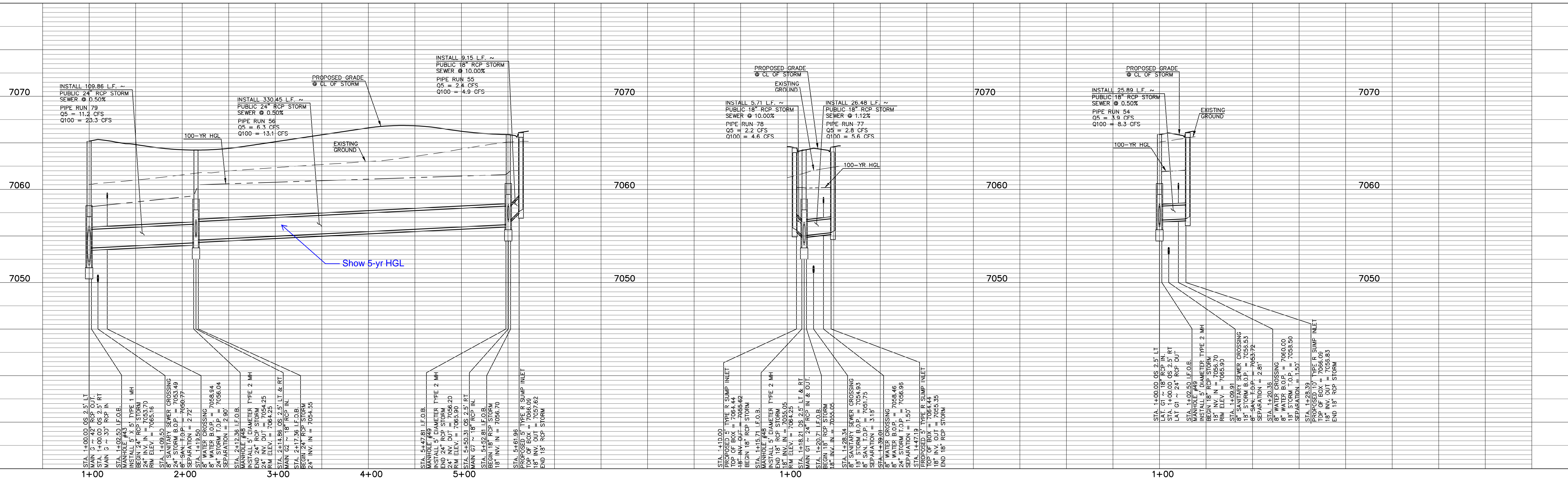
**PUBLIC 18" RCP STORM
'LATERAL G7'**



| STORM LINE TABLE | | |
|------------------|--------|-------------|
| Line # | Length | Direction |
| L85 | 9.14 | S75°02'13"E |
| L86 | 5.71 | N49°51'49"E |
| L87 | 26.48 | N29°38'45"E |
| L88 | 25.89 | N43°23'41"E |

| STORM CURVE TABLE | | | |
|-------------------|----------|--------|---------|
| Curve # | Delta | Length | Radius |
| C17 | 3°19'27" | 109.86 | 1893.50 |
| C18 | 9°59'58" | 330.46 | 1893.50 |

NOTES:
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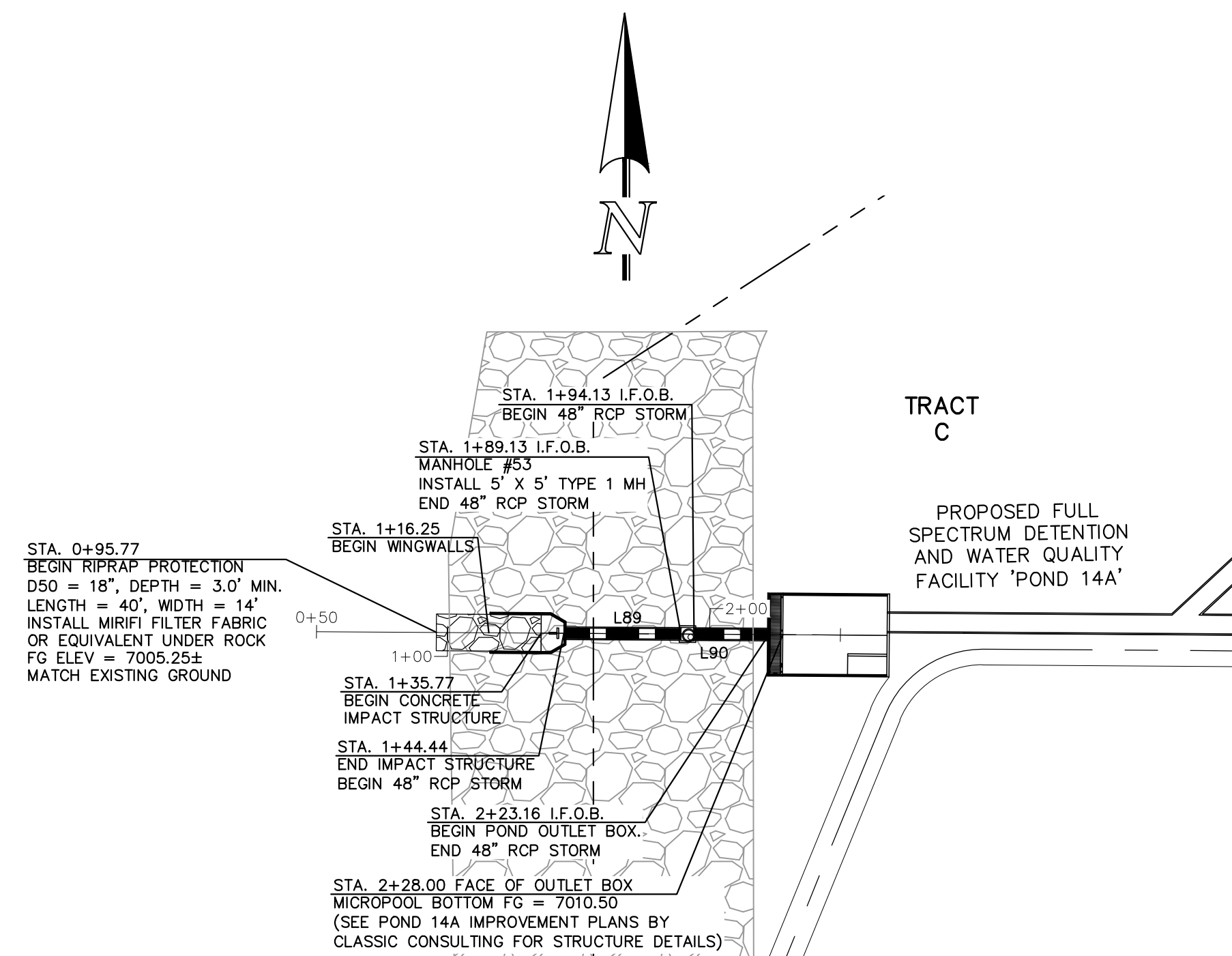
KYLE R. CAMPBELL, COLORADO P.E. #29794



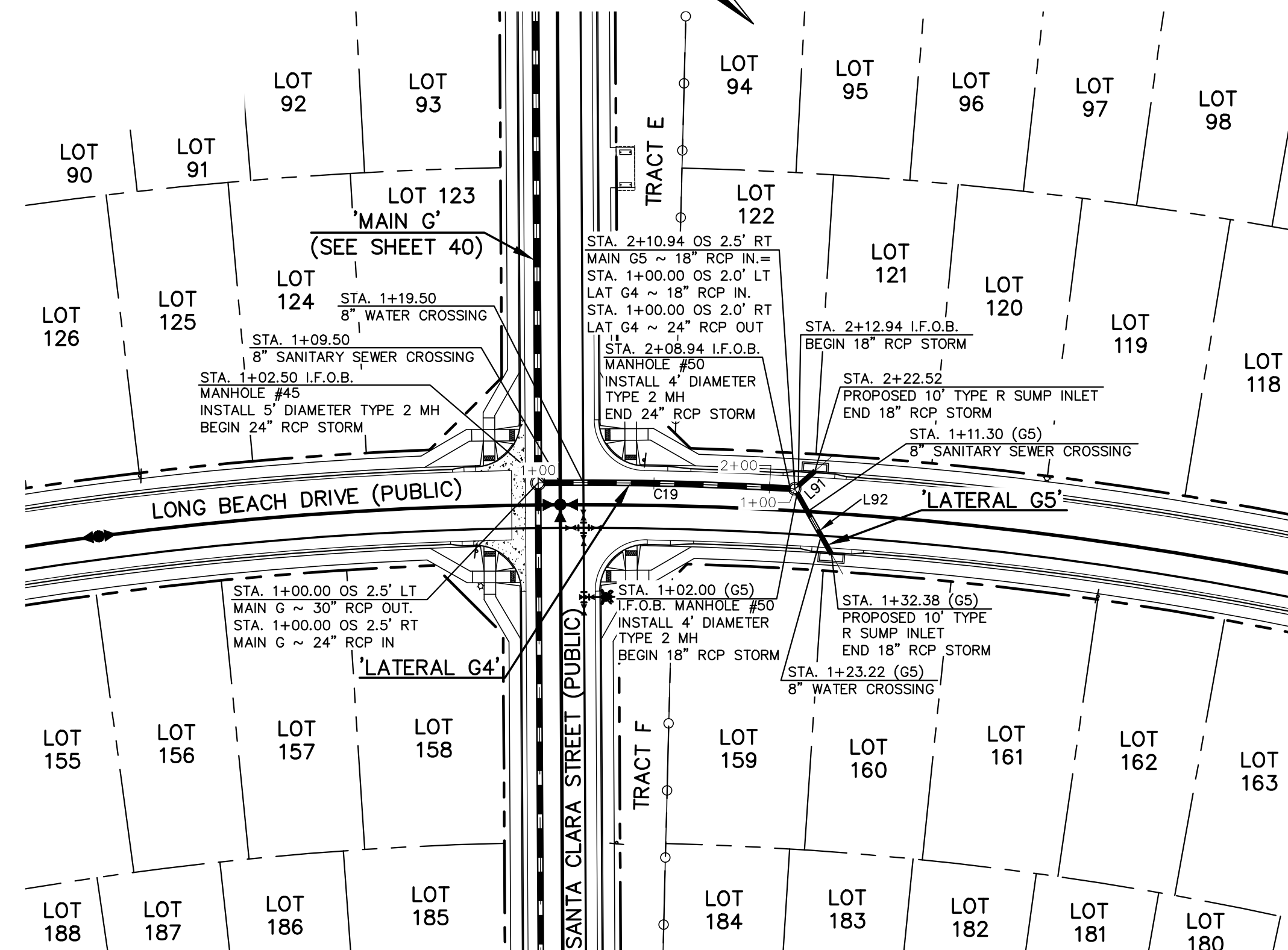
STERLING RANCH EAST FILING NO. 1
 CONSTRUCTION PLANS
 PUBLIC STORM SEWER PLAN
 "MAIN G"/LATERAL G2 & G7

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 41 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

N:\118330\DRAWINGS\CONSTRUCTION\STORM\A1-118330-SDM-15.dwg, 11/14/2022, 12:56:37 PM, 1/1



PRIVATE 48" RCP STORM - 'POND 14A OUTFALL'



PUBLIC 18"/24" RCP STORM
'LATERAL G4'

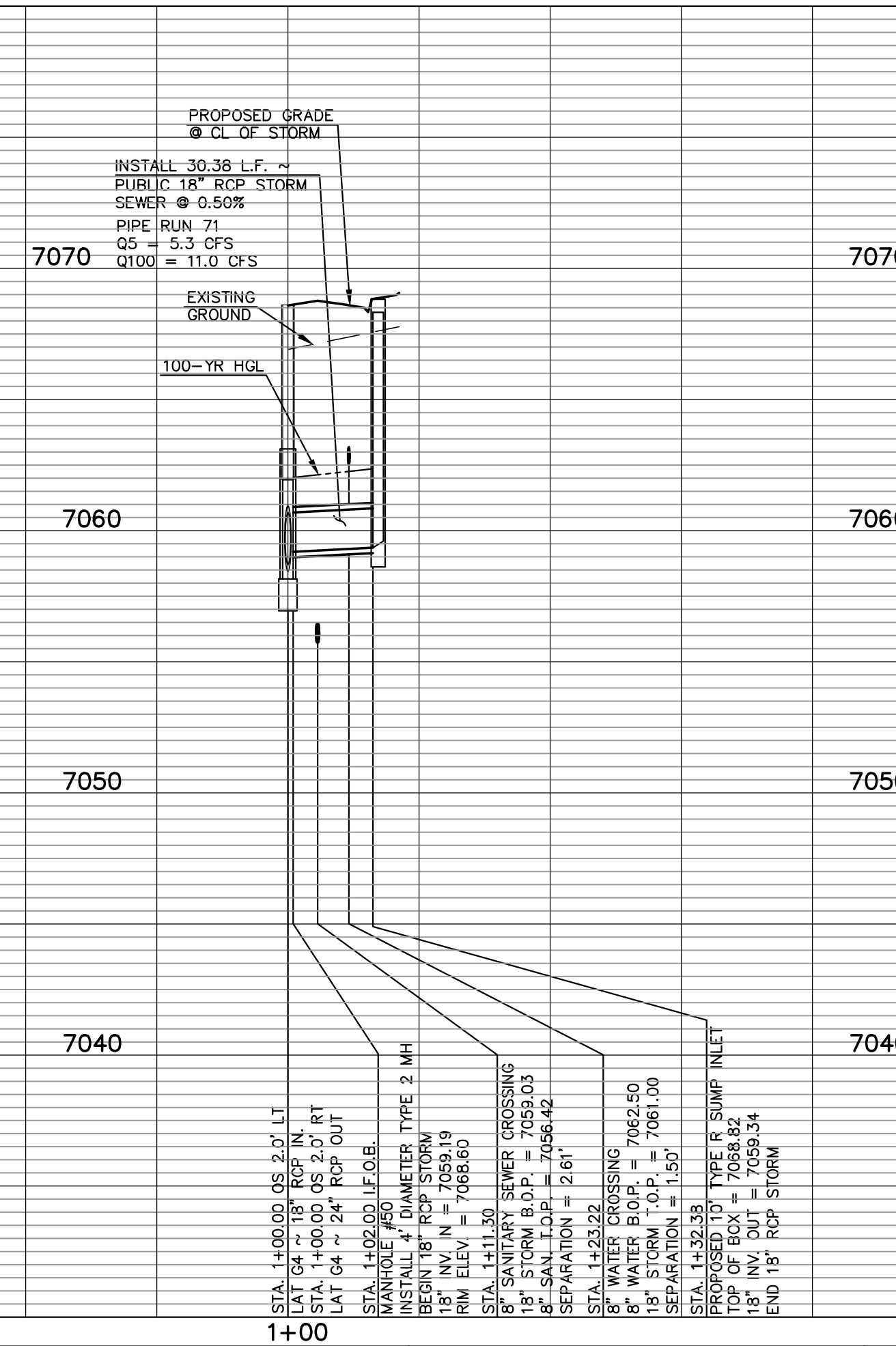
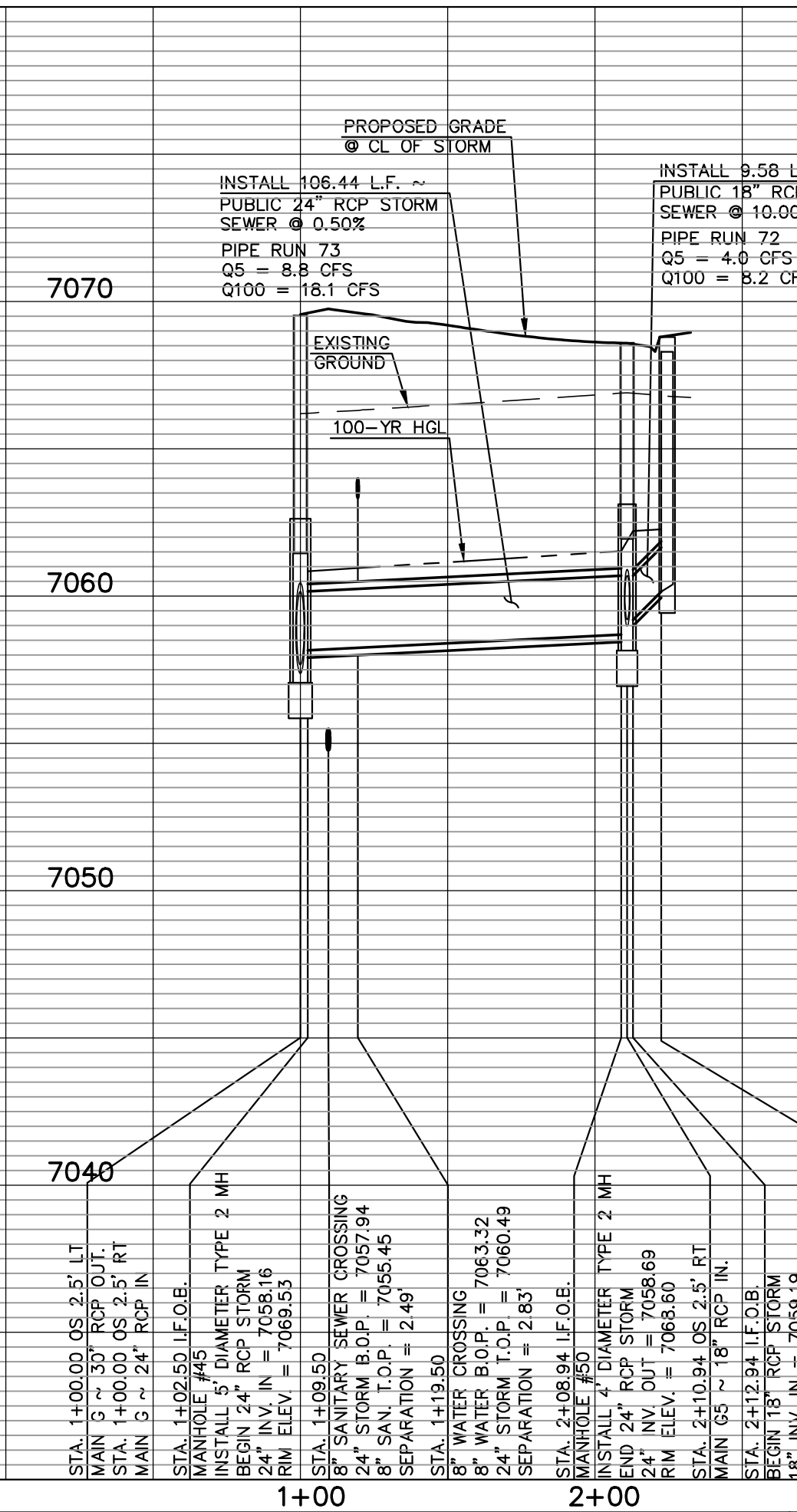
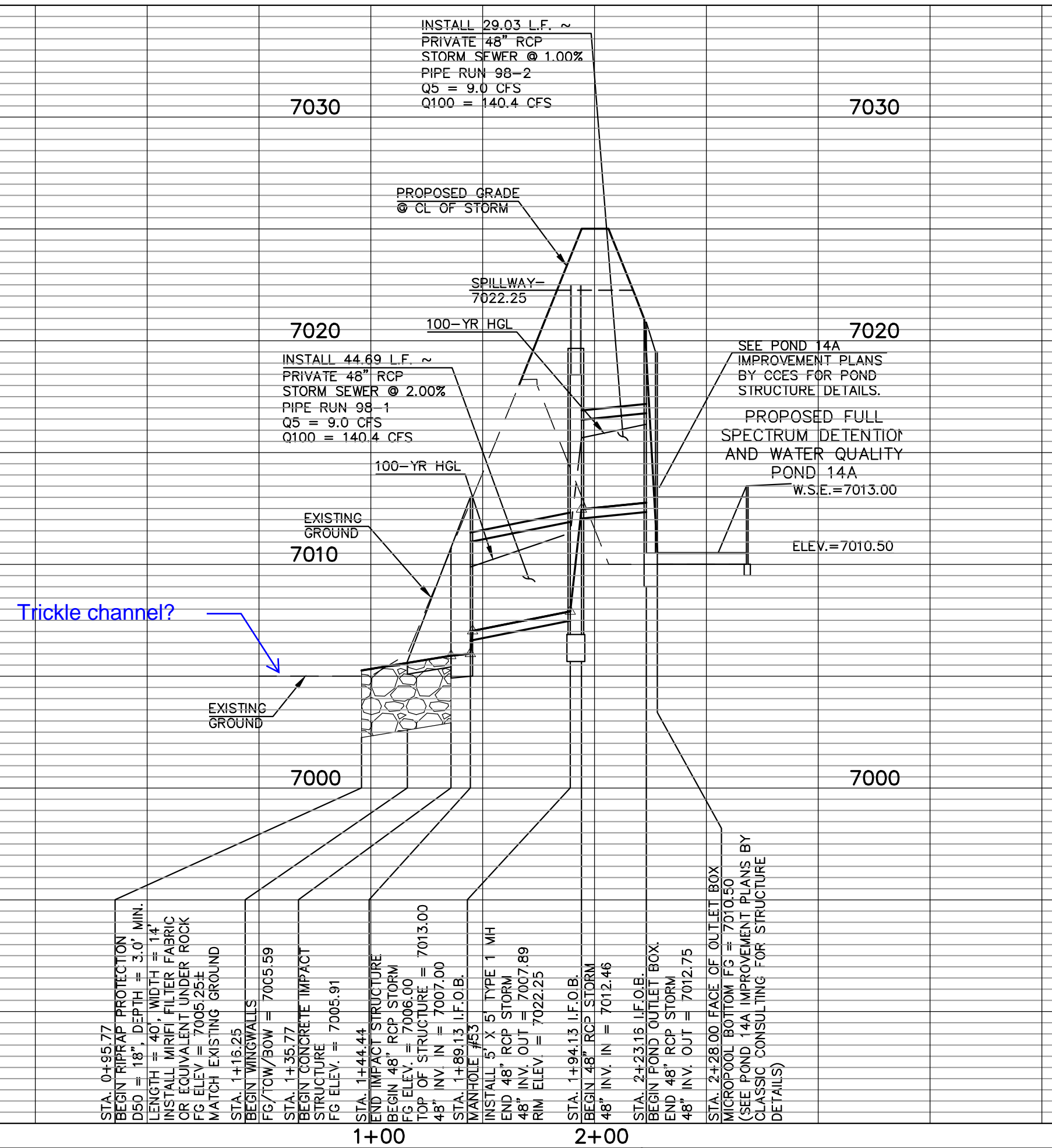
PUBLIC 18" RCP STORM
'LATERAL G5'

50 25 0 50 100
SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.

| Line # | Length | Direction |
|--------|--------|-------------|
| L89 | 44.69 | S89°37'48"E |
| L90 | 29.03 | S89°37'48"E |
| L91 | 9.58 | S84°24'08"E |
| L92 | 30.38 | N17°40'01"E |

| Curve # | Delta | Length | Radius |
|---------|----------|--------|---------|
| C19 | 3°48'29" | 106.44 | 1601.50 |

NOTES:
ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.
ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.
ALL STORM SEWER PIPES TO BE CLASS 3.
STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG,
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UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION | DATE |
|-----|----------|------|
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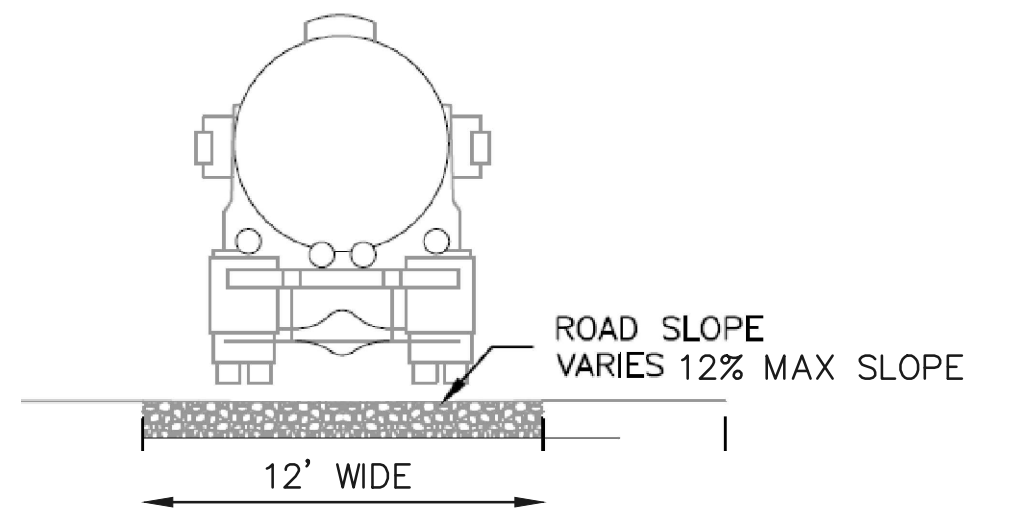
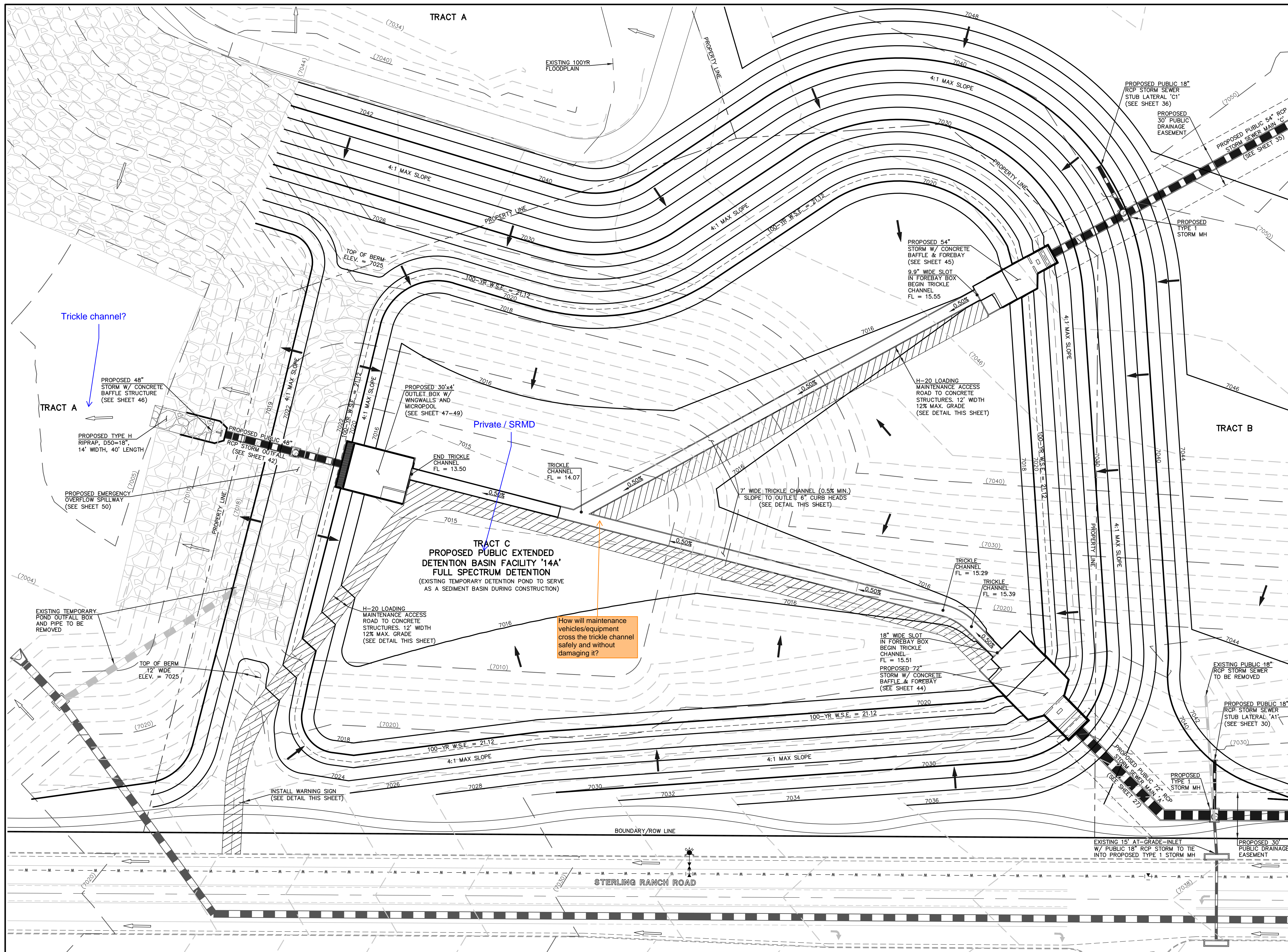
REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794

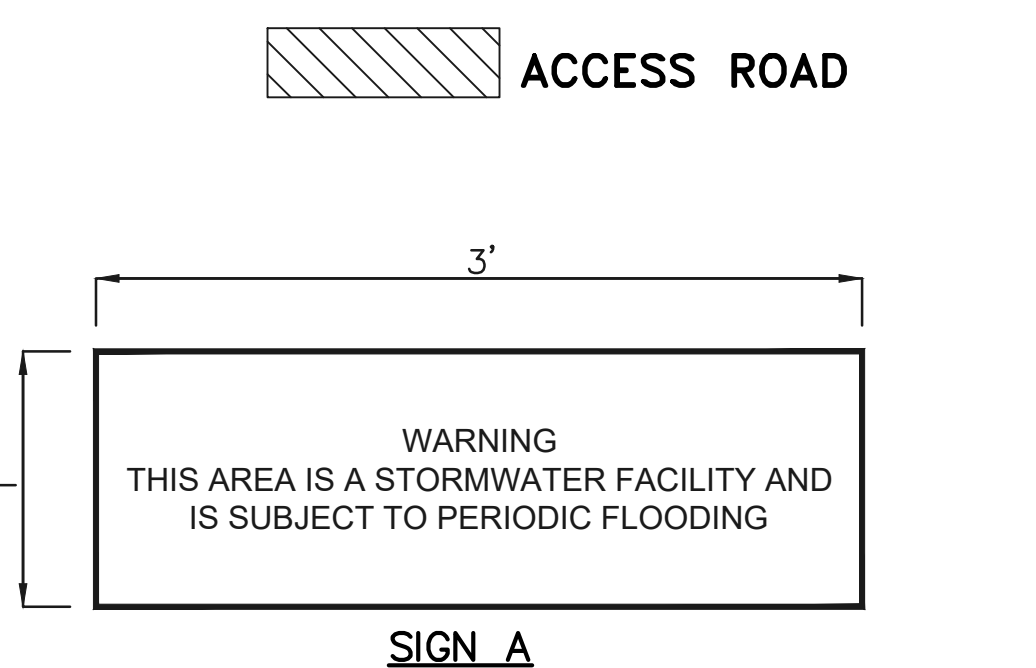


STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN
'POND OUTFALL'/LATERAL G4 & G5

| | | | | |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 50' | SHEET | 42 OF 53 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.30 | |

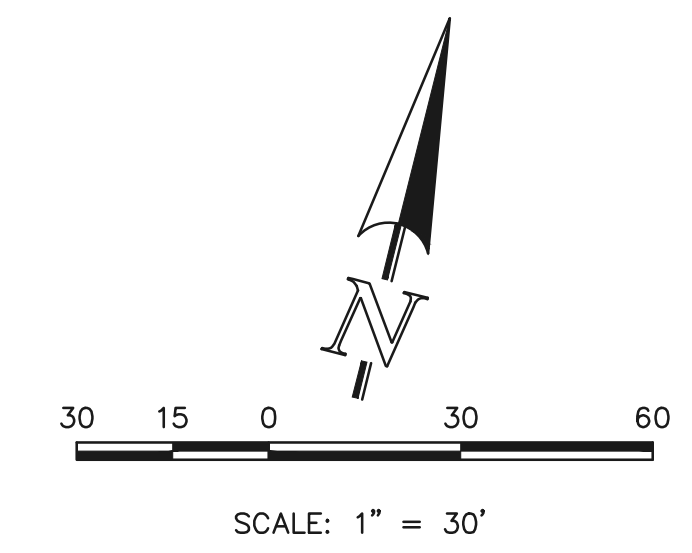


12" LAYER OF AGGREGATE
 BASE COURSE OR CRUSHED GRAVEL OVER COMPACTED
 SUBGRADE TO ELEVATION 7019.14 (EURV ELEVATION)
 8" LAYER OF AGGREGATE BASE COURSE OR CRUSHED
 GRAVEL ABOVE 7019.14.



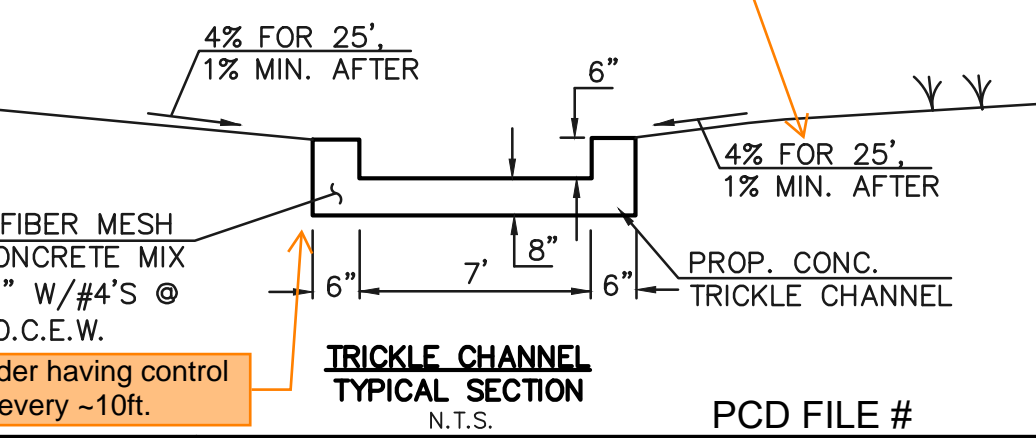
NOTES:
 PROPOSED SIGN SHALL BE FABRICATED OF
 DURABLE MATERIALS, SUCH AS METAL OR PLASTIC,
 USING RED LETTERING ON A WHITE BACKGROUND

Also include callout for pet waste station(s) around the pond, with
 signage stating that pet waste must be picked up.



Entire pond bottom should have a
 minimum slope of 3% to the trickle
 channel and micropond (USDCM Vol
 3, detail T-5). Please adjust to
 minimize future maintenance needs.

NOTE:
 POND BOTTOM TO SLOPE TOWARD TRICKLE
 CHANNEL AT 4% FOR FIRST 25' AND 1%
 THEREAFTER TO EDGE OF POND BOTTOM



| LEGEND | |
|--------|------------------------------|
| | PROPOSED FIRE HYDRANT |
| | PROPOSED WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER |
| | PROPOSED STORM INLET |
| | ROW/BOUNDARY LINE |
| | EXISTING FIRE HYDRANT |
| | EXISTING WATER MAIN |
| | EXISTING SANITARY SEWER MAIN |
| | EXISTING STORM SEWER |
| | EXISTING STORM INLET |
| | EXISTING GAS MAIN |
| | EXISTING ELECTRIC |

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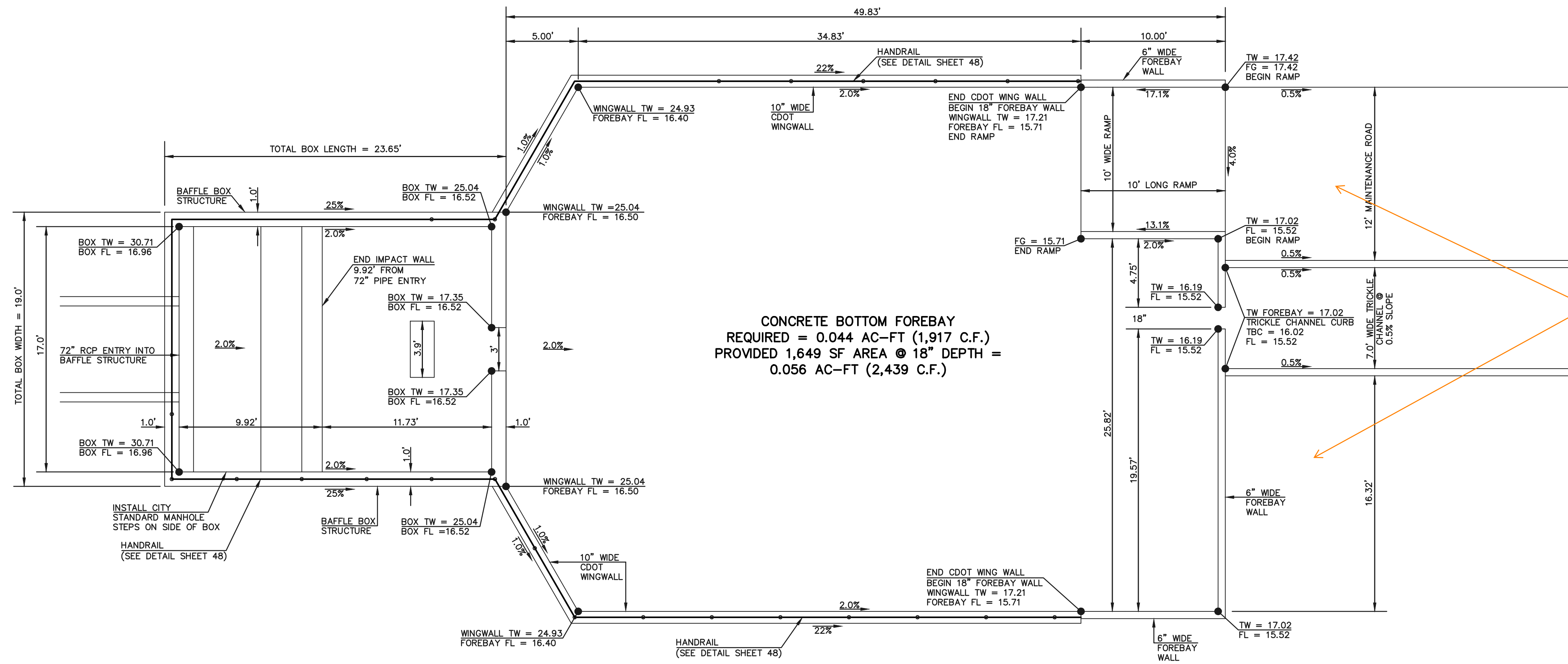
| NO. | REVISION | DATE |
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REVIEW:
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

| STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS | | | |
|--|--------------|--------------|----------------|
| PUBLIC POND '14A' EDB - FULL SPECTRUM DETENTION | | | |
| DESIGNED BY | MAL | SCALE | DATE 08/31/22 |
| DRAWN BY | MES | (H) 1" = 30' | SHEET 43 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 |

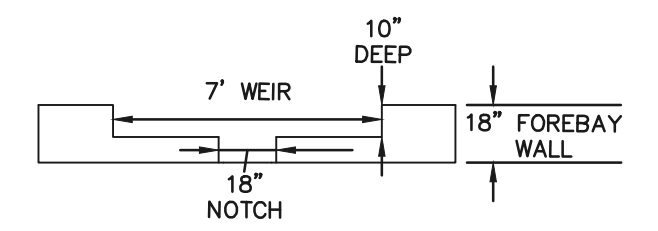
N:\118330\DRAWINGS\CONSTRUCTION\STERLING_A3-118330-510A-17-pond.dwg - 11/14/2022 1:15:09 PM, L1



MAIN 'A' 72" RCP FOREBAY & BAFFLE STRUCTURE - PLAN VIEW

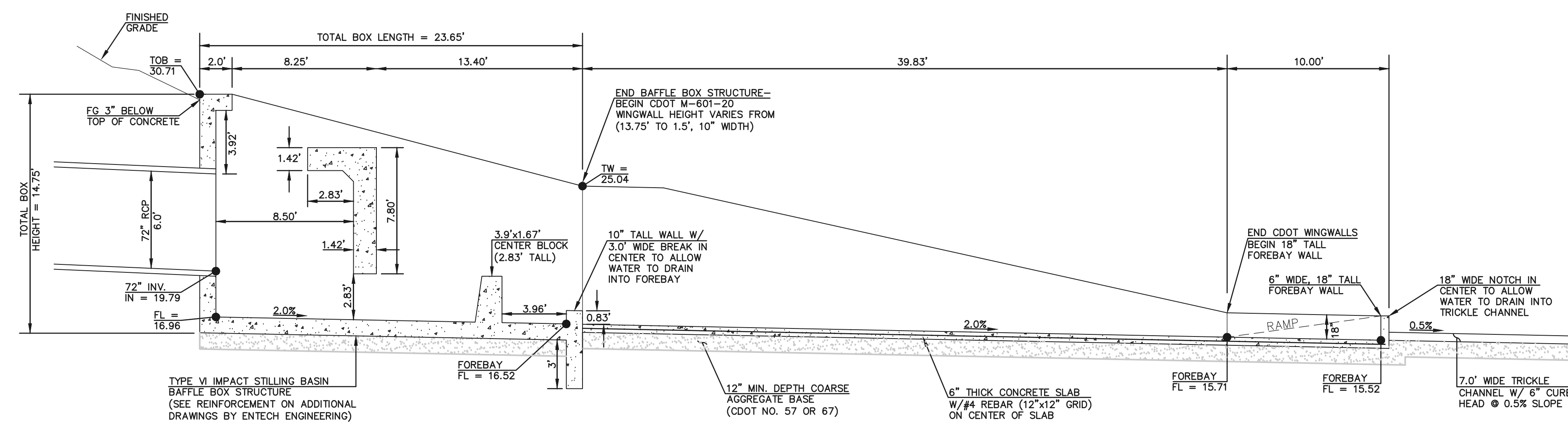
SCALE 1" = 5'

Soil riprap should also be provided on the downstream side of the forebay berm or wall if the downstream grade is lower than the top of the berm or wall. The forebay will overtop frequently so this protection is necessary for erosion control. All soil riprap in the area of the forebay should be seeded and erosion control fabric should be placed to retain the seed in this high flow area. (MHFD T-5)



FOREBAY WEIR DETAIL

SCALE 1" = 5'



MAIN 'A' 72" RCP FOREBAY & BAFFLE STRUCTURE - PROFILE VIEW

SCALE 1" = 5'

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| NO. | REVISION | DATE |
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REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

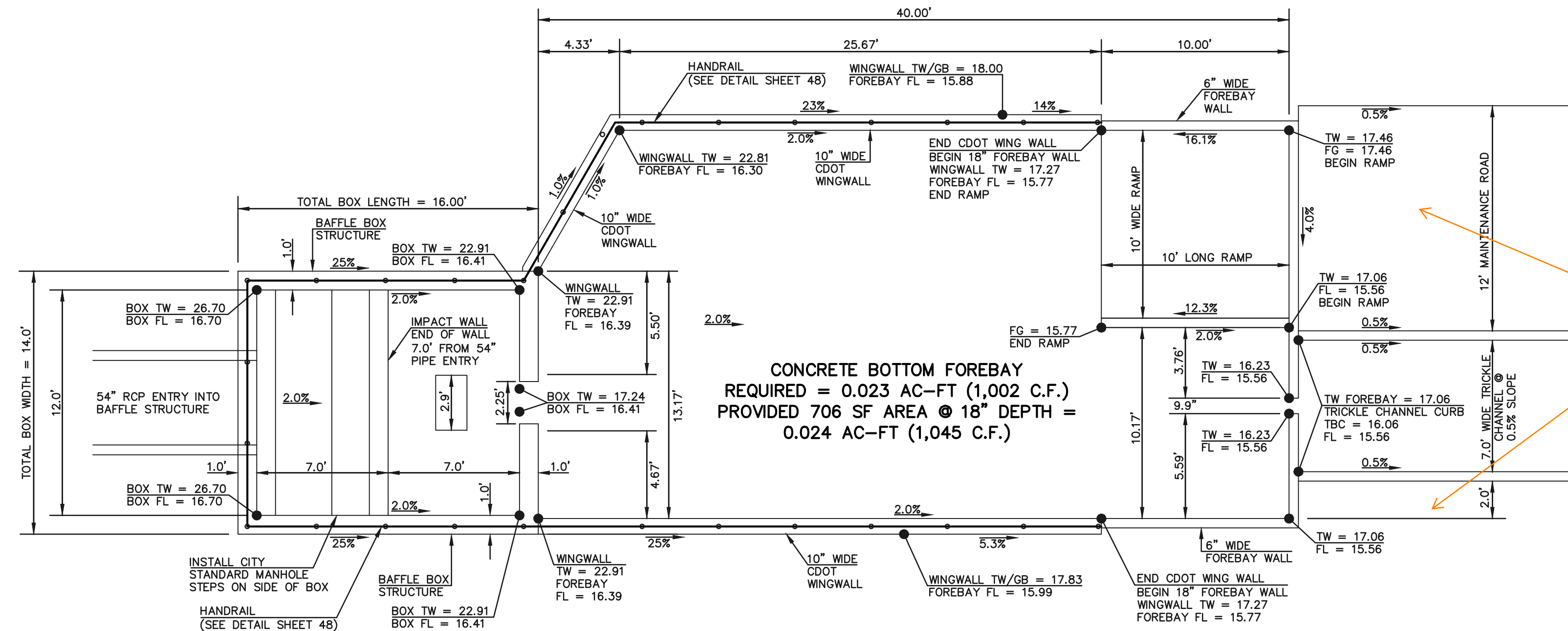


PCD FILE #

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC POND '14A'
MAIN 'A' - 72" IMPACT STRUCTURE & FOREBAY

| | | | | |
|-------------|--------------|-------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 5' | SHEET | 44 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 | |

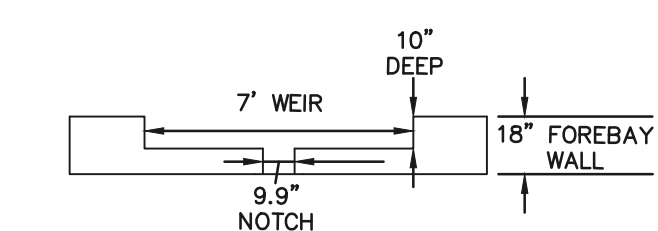
N:\118330\DRAWINGS\CONSTRUCTION\STORM\44-118330-5TM-B-structure-72in.dwg, 11/14/2022, 1:16:05 PM, 1:1



MAIN 'C' 54" RCP FOREBAY & BAFFLE STRUCTURE - PLAN VIEW

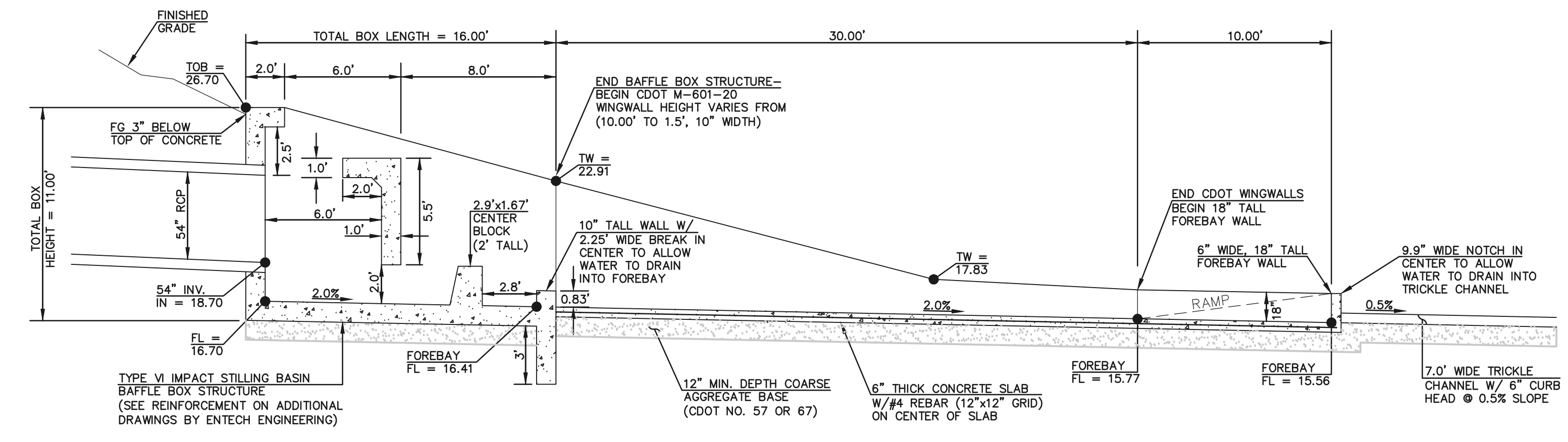
SCALE 1" = 5'

-Soil riprap should also be provided on the downstream side of the forebay berm or wall if the downstream grade is lower than the top of the berm or wall. The forebay will overtop frequently so this protection is necessary for erosion control. All soil riprap in the area of the forebay should be seeded and erosion control fabric should be placed to retain the seed in this high flow area. (MHFD T-5)



FOREBAY WEIR DETAIL

SCALE 1" = 5'



MAIN 'C' 54" RCP FOREBAY & BAFFLE STRUCTURE - PROFILE VIEW

SCALE 1" = 5'

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| NO. | REVISION | DATE |
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REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



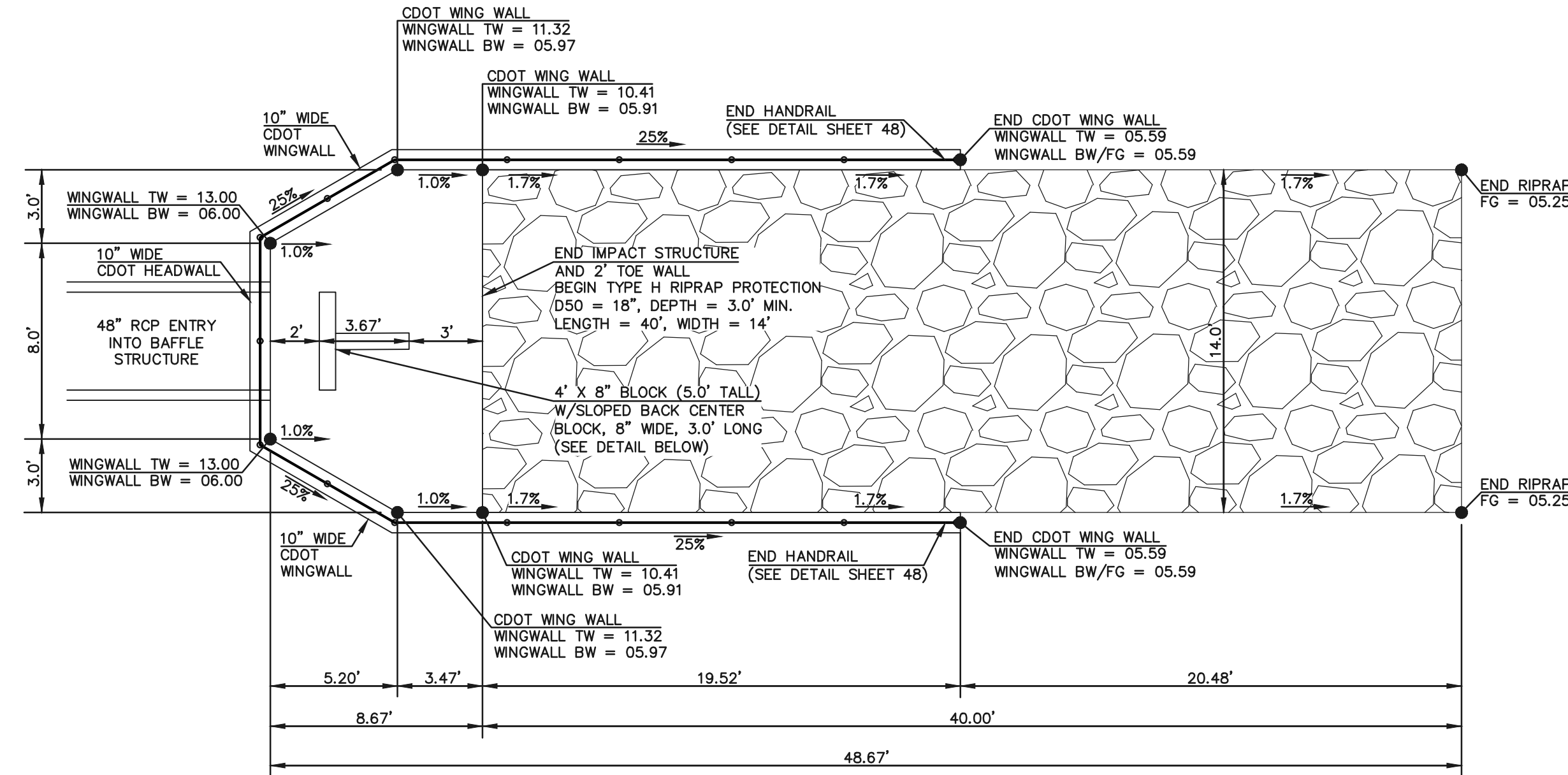
PCD FILE #

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC POND '14A'
MAIN 'C' - 54" IMPACT STRUCTURE & FOREBAY

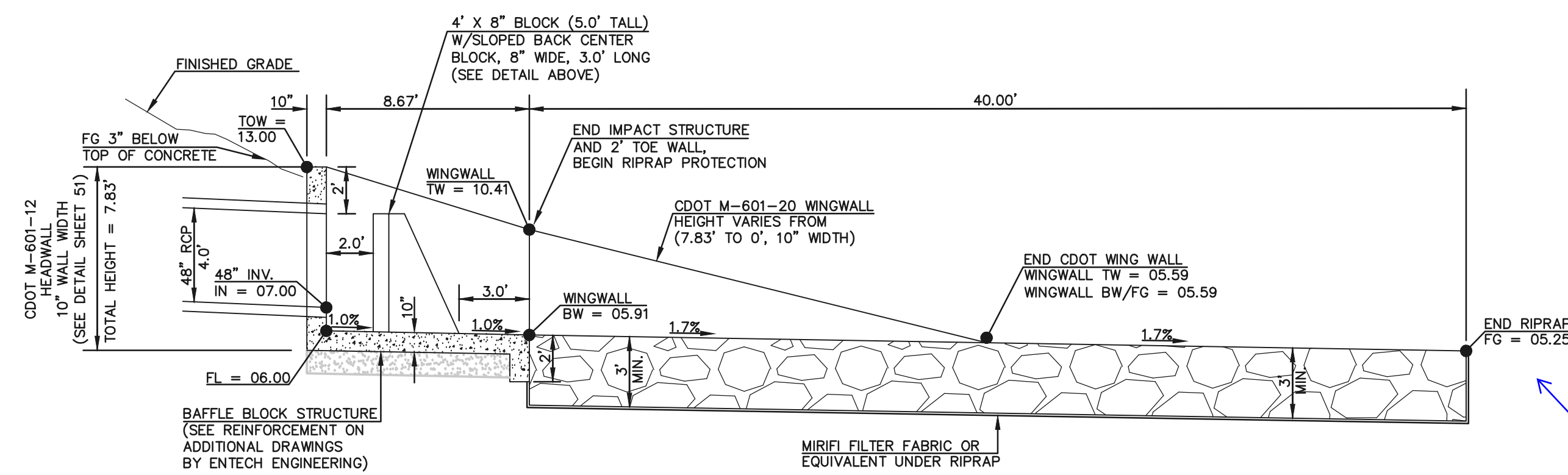
| | | | | |
|-------------|--------------|-------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 5' | SHEET | 45 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 | |



619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (fax)



'POND OUTFALL' 48" RCP BAFFLE STRUCTURE & RIP RAP - PLAN VIEW
SCALE 1" = 5'



'POND OUTFALL' 48" RCP BAFFLE STRUCTURE & RIP RAP - PROFILE VIEW
SCALE 1" = 5'

trickle channel?

| | | |
|---|--------------|------|
| <p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p>811</p> <p>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p> | NO. REVISION | DATE |
| | | |

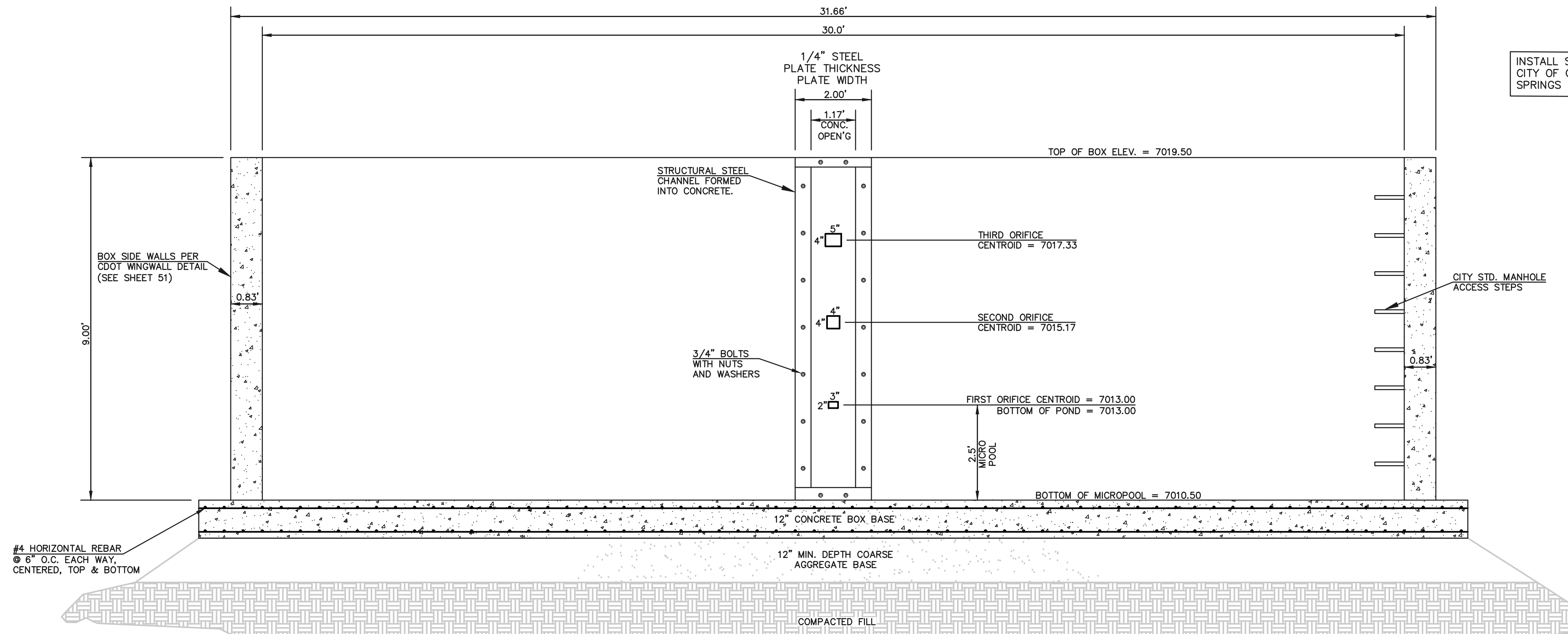
| | |
|---|------|
| REVIEW: | DATE |
| PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC | |
| KYLE R. CAMPBELL, COLORADO P.E. #29794 | |

PCD FILE #

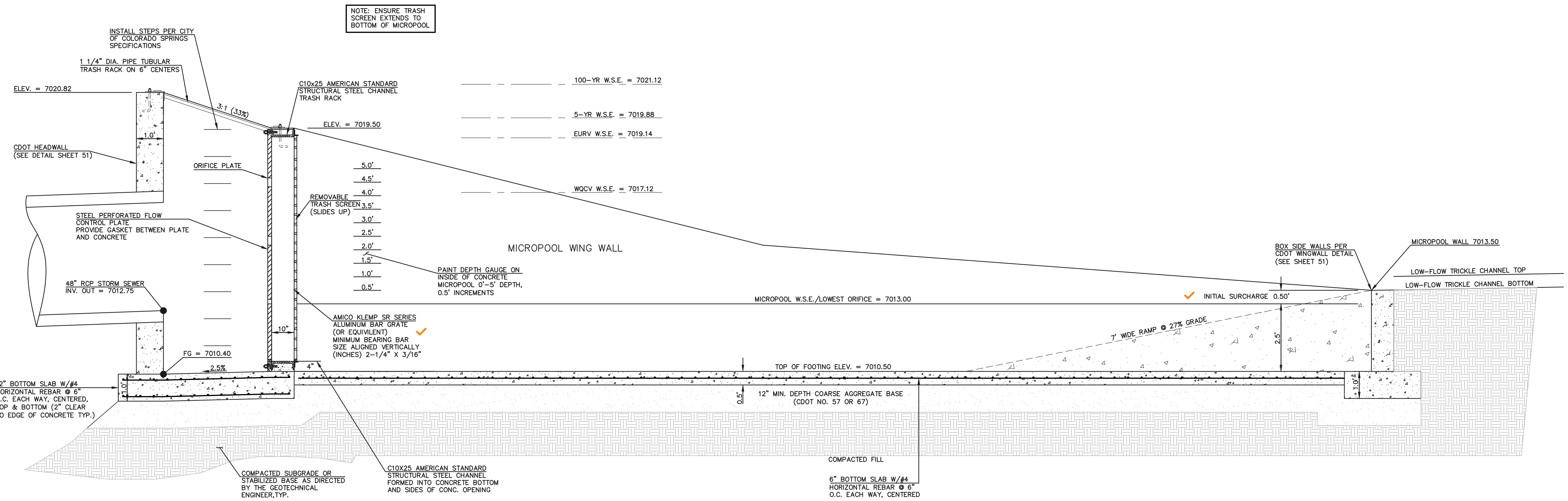
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (fax)

| | | | |
|---------------------------------------|--------------|-------------|----------------|
| STERLING RANCH EAST FILING NO. 1 | | | |
| CONSTRUCTION PLANS | | | |
| PUBLIC POND '14A' | | | |
| 'POND OUTFALL' - 48" IMPACT STRUCTURE | | | |
| DESIGNED BY | MAL | SCALE | DATE 08/31/22 |
| DRAWN BY | MES | (H) 1" = 5' | SHEET 46 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 |

N:\118330\DRAWINGS\CONSTRUCTION\STORWA\46-118330-5TM-20-structure-48in.dwg, 11/14/2022, 1:17:46 PM, 1:1



30'x4' OUTLET BOX ORIFICE PLATE
SCALE 1" = 2'



30'x4' OUTLET BOX MICRO POOL
SCALE 1" = 2'

| | | | |
|---|--------------|------|---------|
| <p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p>811</p> <p>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p> | NO. REVISION | DATE | REVIEW: |
| | | | |

PCD FILE #

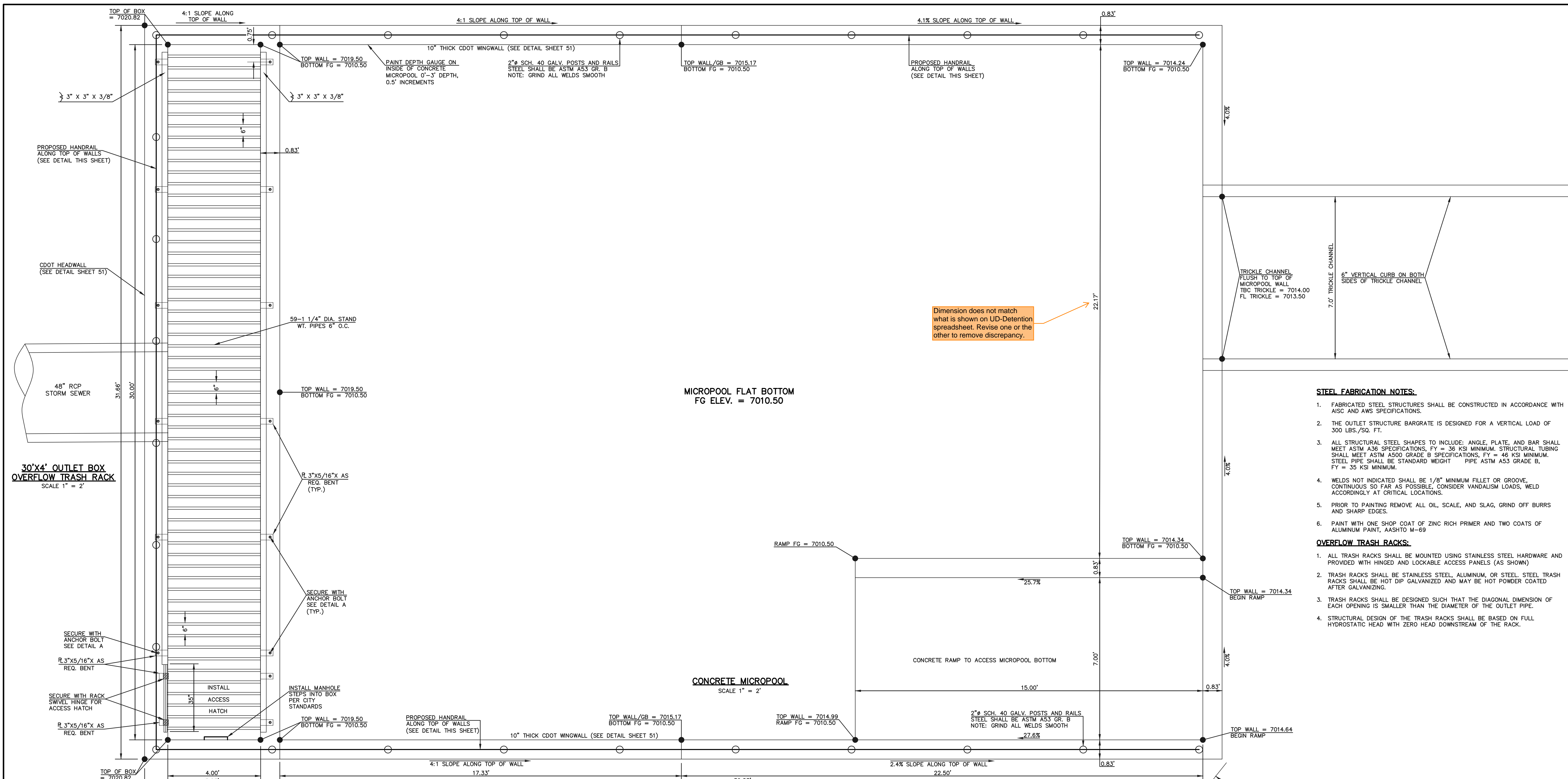
STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC POND '14A'
POND OUTLET BOX - PROFILE VIEW

DESIGNED BY MAL SCALE DATE 08/31/22
DRAWN BY MES (H) 1" = 2' SHEET 47 OF 53
CHECKED BY (V) 1" = N/A JOB NO. 1183.30

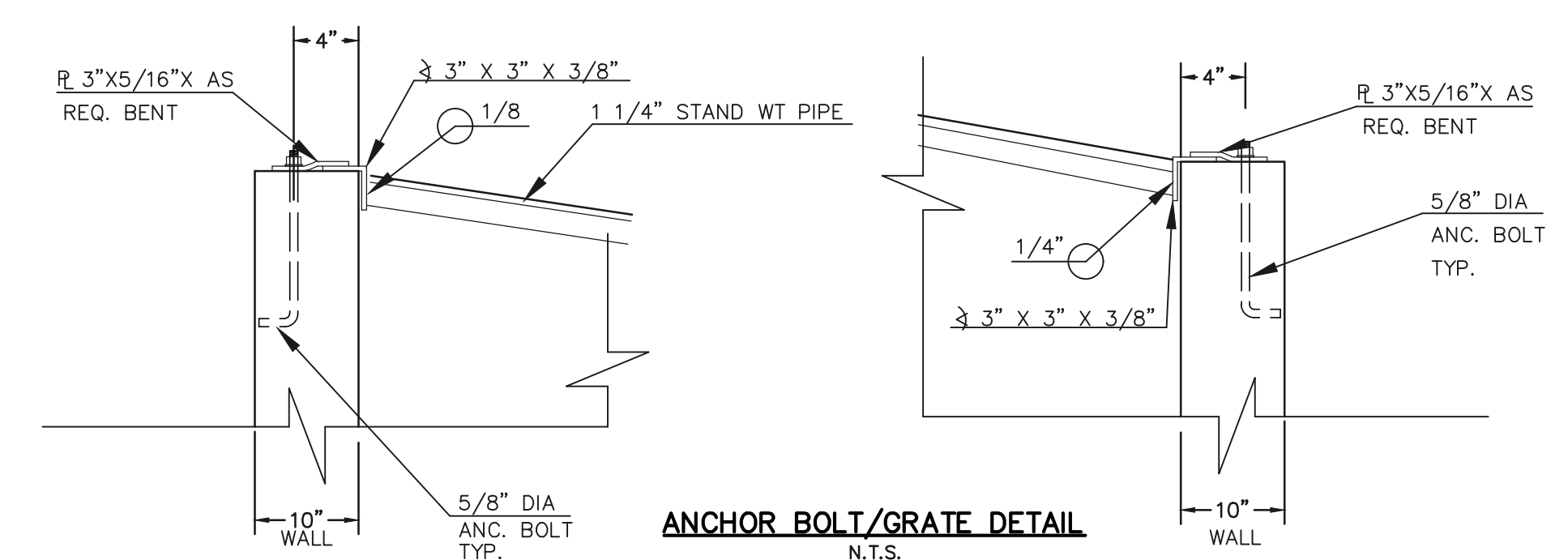
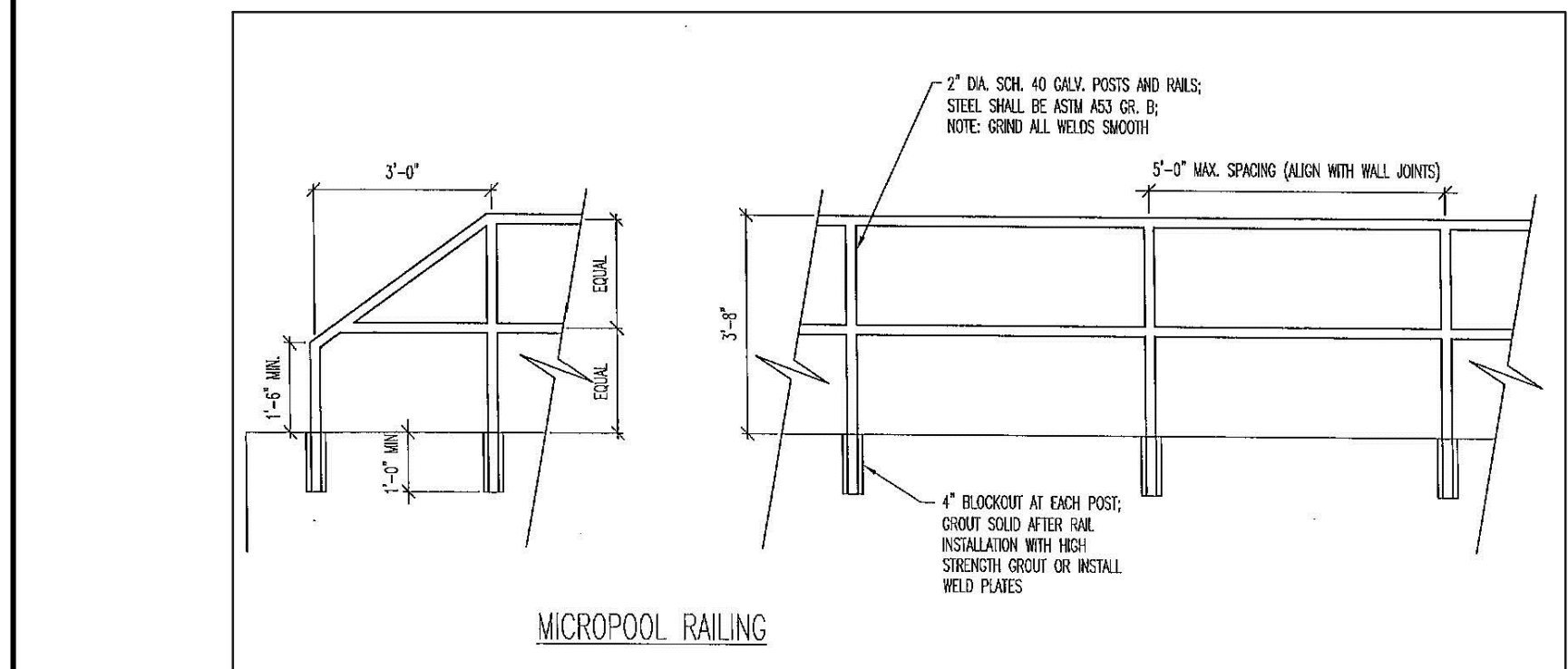
CLASSIC CONSULTING

619 N. Cascade Avenue, Suite 200 (719) 785-0790
Colorado Springs, Colorado 80903 (719) 785-0799(Fax)

N:\118330\DRAWINGS\CONSTRUCTION\STORM\47-118330-5TM-21-outlet-structure.dwg, 11/14/2022 1:18:40 PM, 1:1



- STEEL FABRICATION NOTES:**
- FABRICATED STEEL STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AISC AND AWS SPECIFICATIONS.
 - THE OUTLET STRUCTURE BARGRATE IS DESIGNED FOR A VERTICAL LOAD OF 300 LBS./SQ. FT.
 - ALL STRUCTURAL STEEL SHAPES TO INCLUDE: ANGLE, PLATE, AND BAR SHALL MEET ASTM A36 SPECIFICATIONS, FY = 36 KSI MINIMUM. STRUCTURAL TUBING SHALL MEET ASTM A500 GRADE B SPECIFICATIONS, FY = 46 KSI MINIMUM. STEEL PIPE SHALL BE STANDARD WEIGHT PIPE ASTM A53 GRADE B, FY = 35 KSI MINIMUM.
 - WELDS NOT INDICATED SHALL BE 1/8" MINIMUM FILLET OR GROOVE, CONTINUOUS SO FAR AS POSSIBLE, CONSIDER VANDALISM LOADS, WELD ACCORDINGLY AT CRITICAL LOCATIONS.
 - PRIOR TO PAINTING REMOVE ALL OIL, SCALE, AND SLAG, GRIND OFF BURRS AND SHARP EDGES.
 - PAINT WITH ONE SHOP COAT OF ZINC RICH PRIMER AND TWO COATS OF ALUMINUM PAINT, AASHTO M-69
- OVERFLOW TRASH RACKS:**
- ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE ACCESS PANELS (AS SHOWN)
 - TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
 - TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
 - STRUCTURAL DESIGN OF THE TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



NOTES:

- WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDMENT.
- DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
- HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
- RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.
- ALL RAILS SHALL HAVE EXPANSION JOINTS SPACED AT 40'-0" MAX. JOINT ENDS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.
- HANDRAIL FINISH SHALL BE ONE COAT RED METAL PRIMER AND TWO COATS ENAMEL (RUSTOLEUM OR EQUIVALENT), COLOR SHALL BE APPROVED BY ENGINEER PRIOR TO APPLICATION.

INLET/OUTLET BOX RAILING
N.T.S.

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| NO. | REVISION | DATE |
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REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

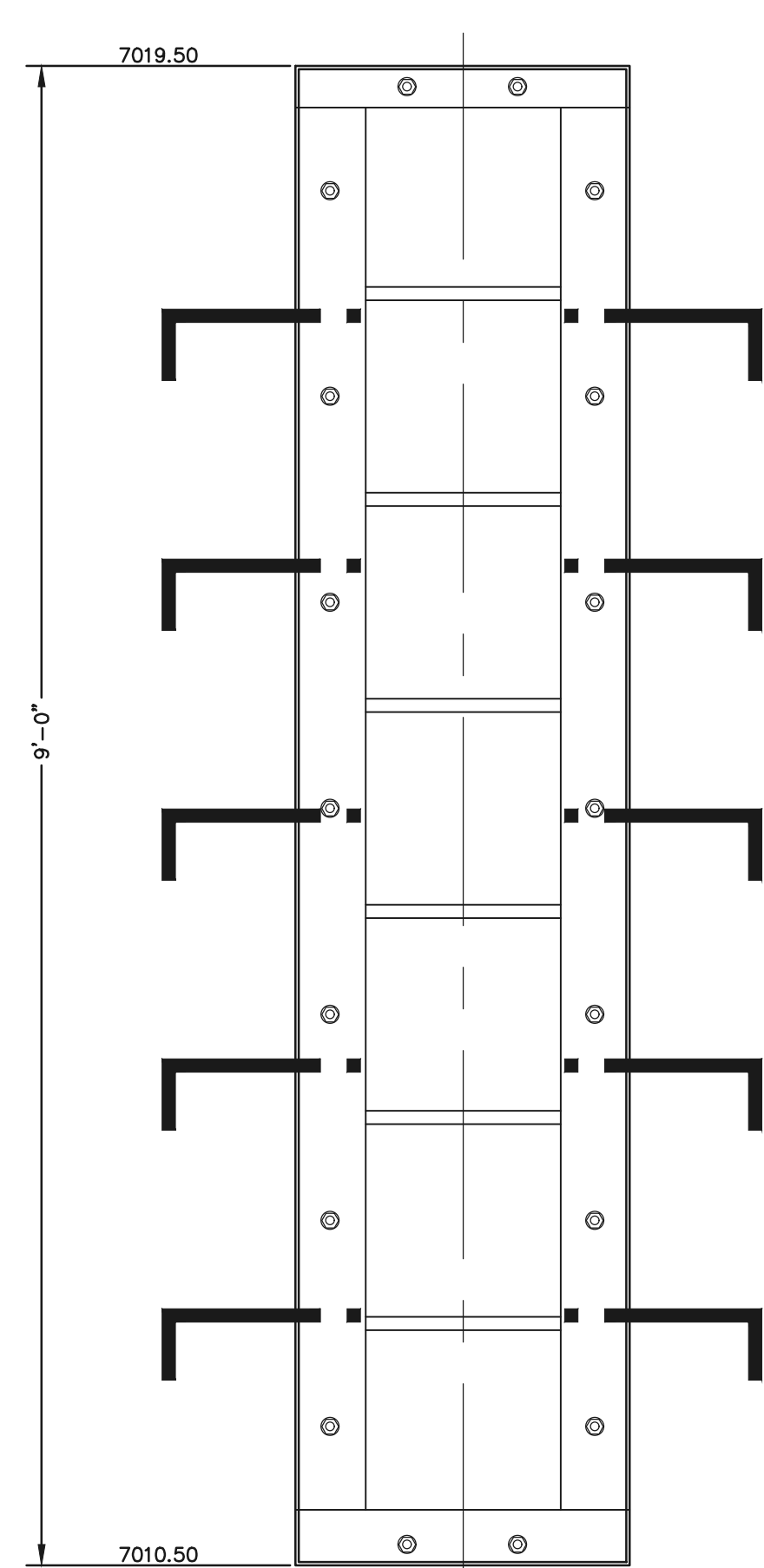
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



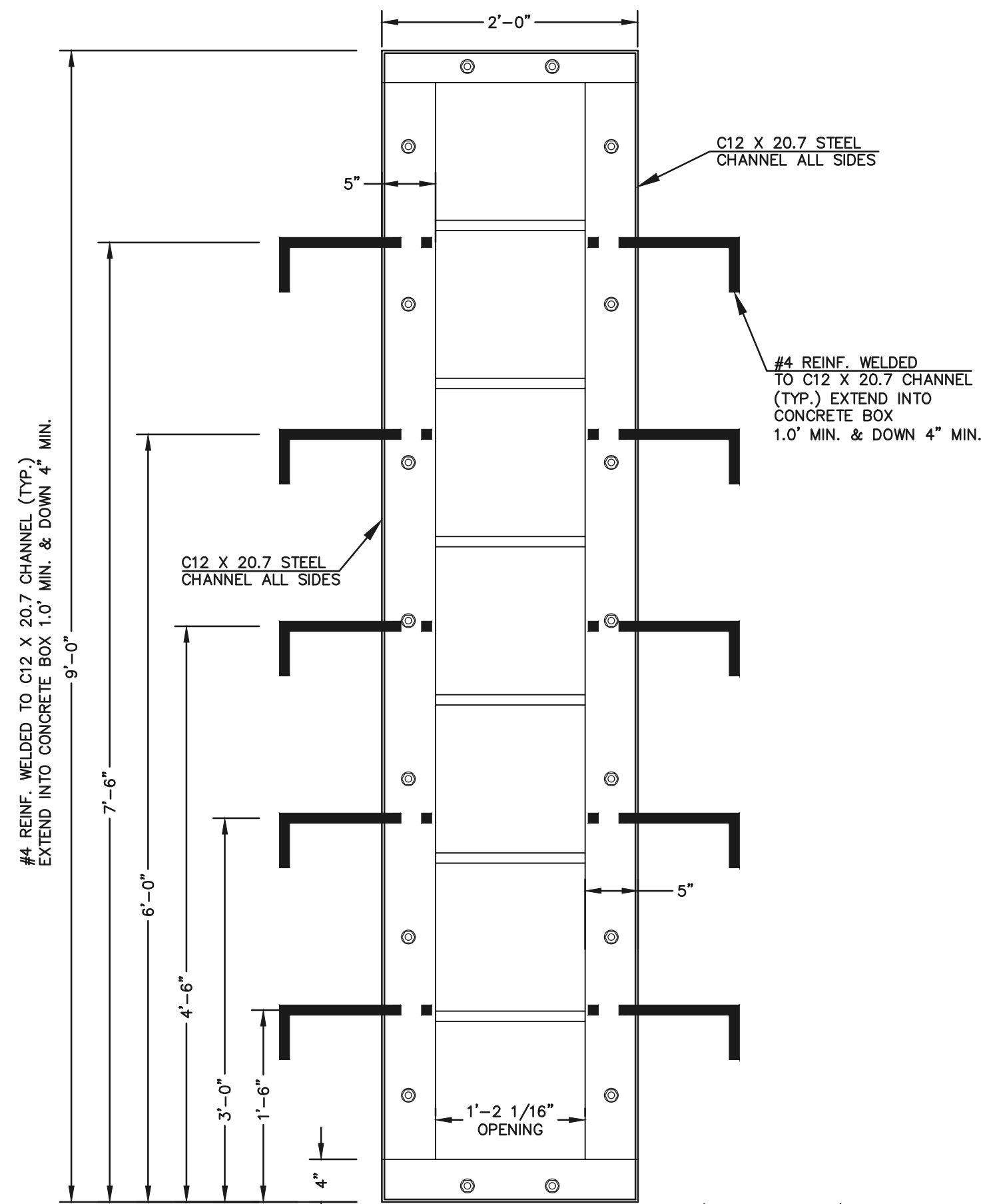
STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC POND '14A'
POND OUTLET BOX AND MICROPOOL DETAILS

| | | | | |
|-------------|--------------|-------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 2' | SHEET | 48 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 | |

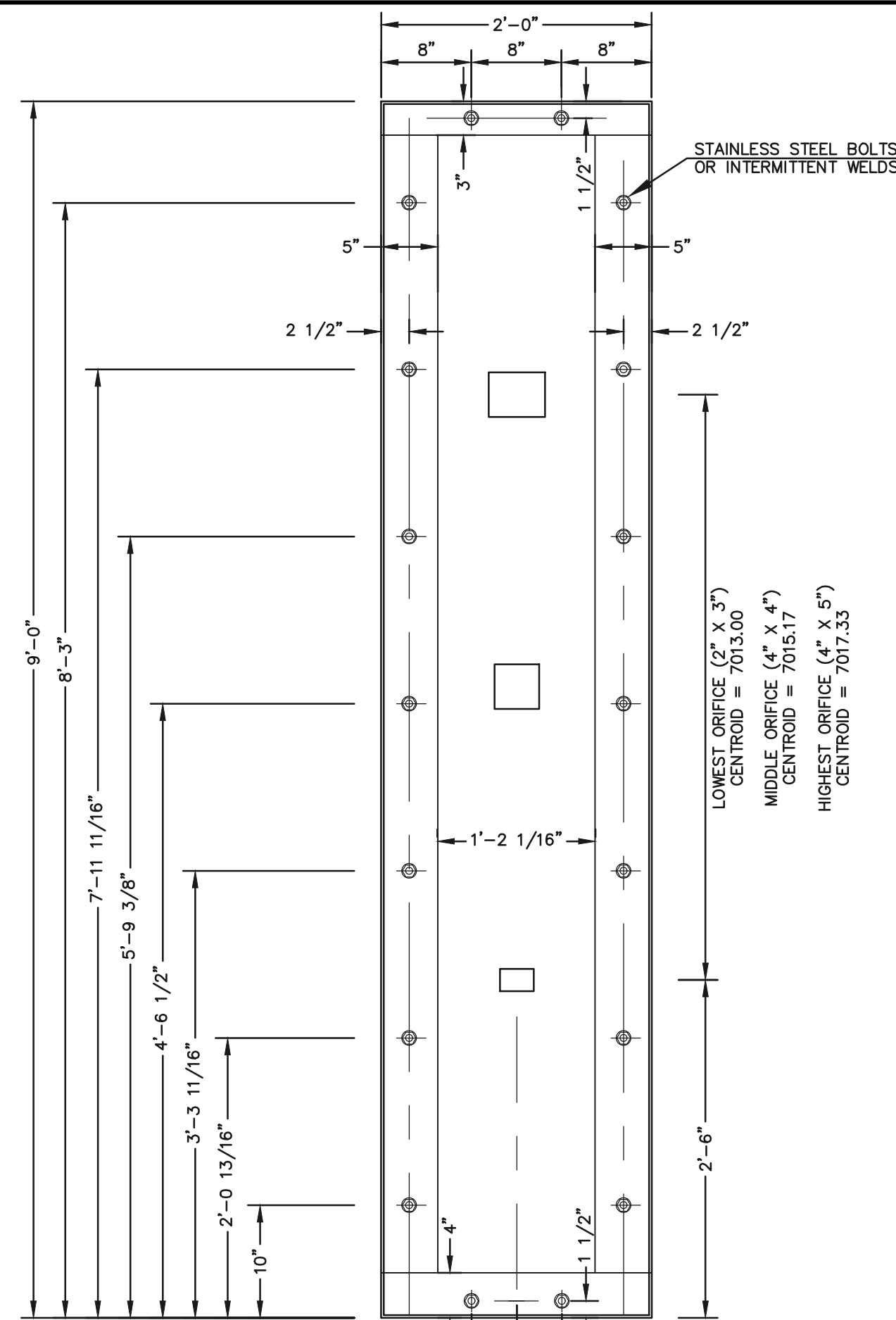
PCD FILE #



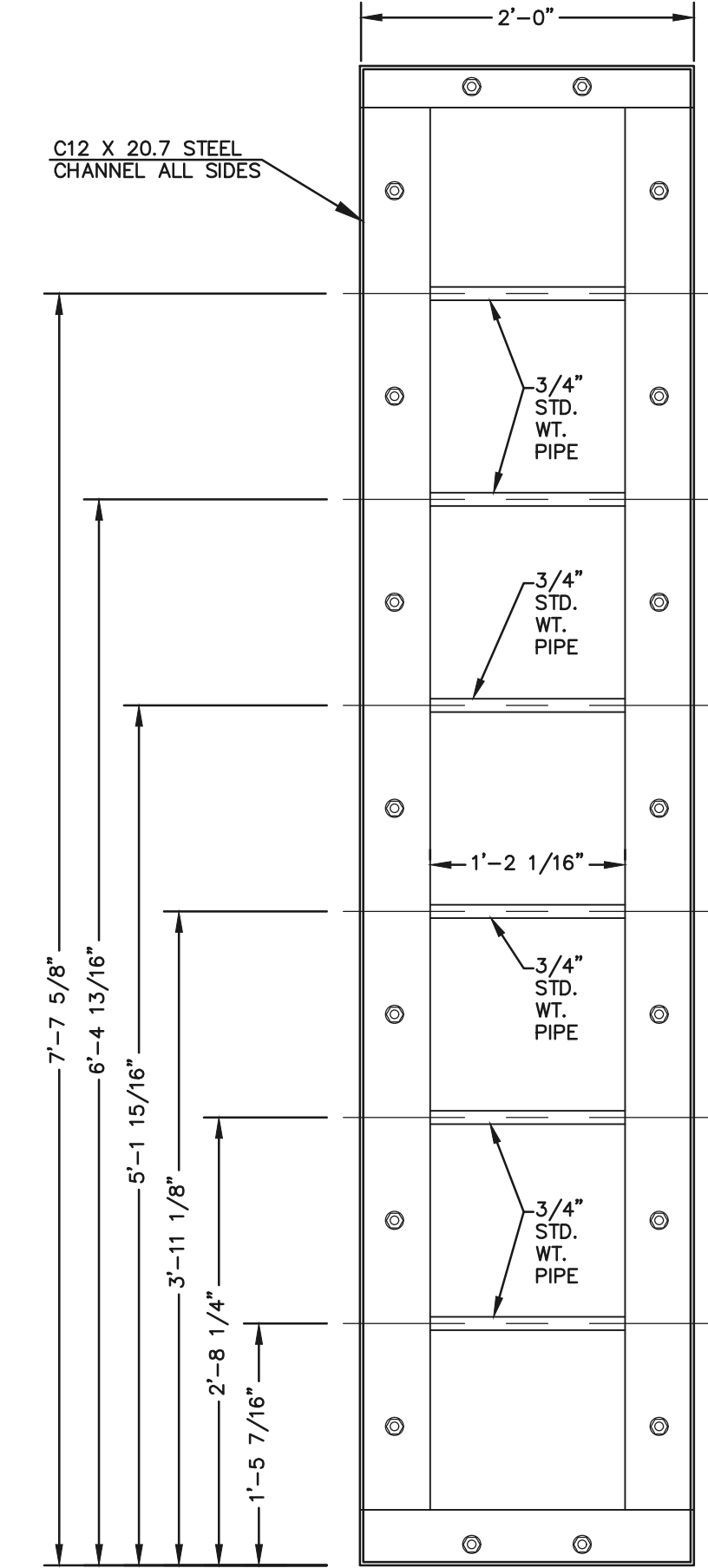
**OUTLET CONTROL
PLATE AND FRAME**
SCALE: 1"=1'



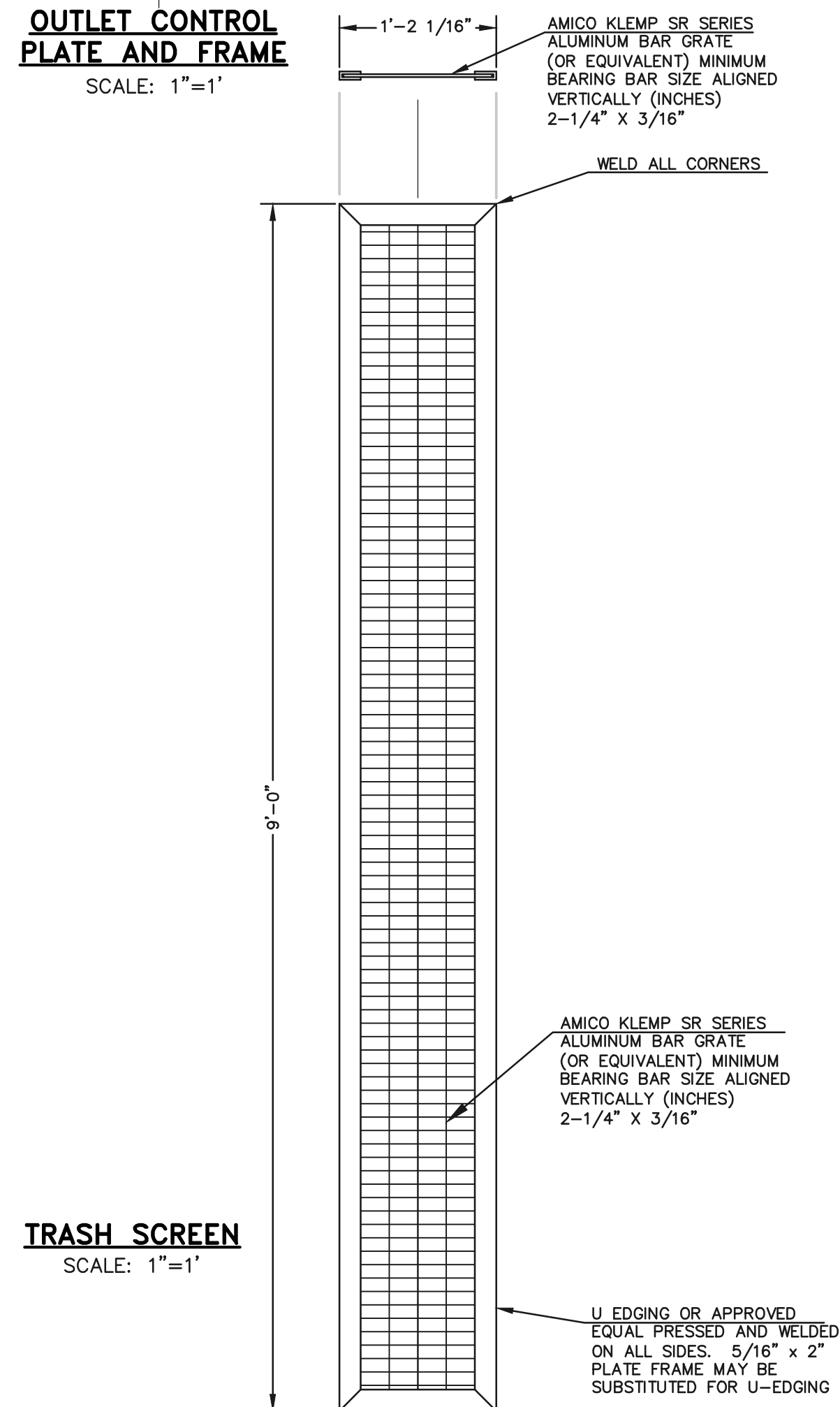
**CHANNEL FRAME
WITH WALL ANCHORS**
SCALE: 1"=1'



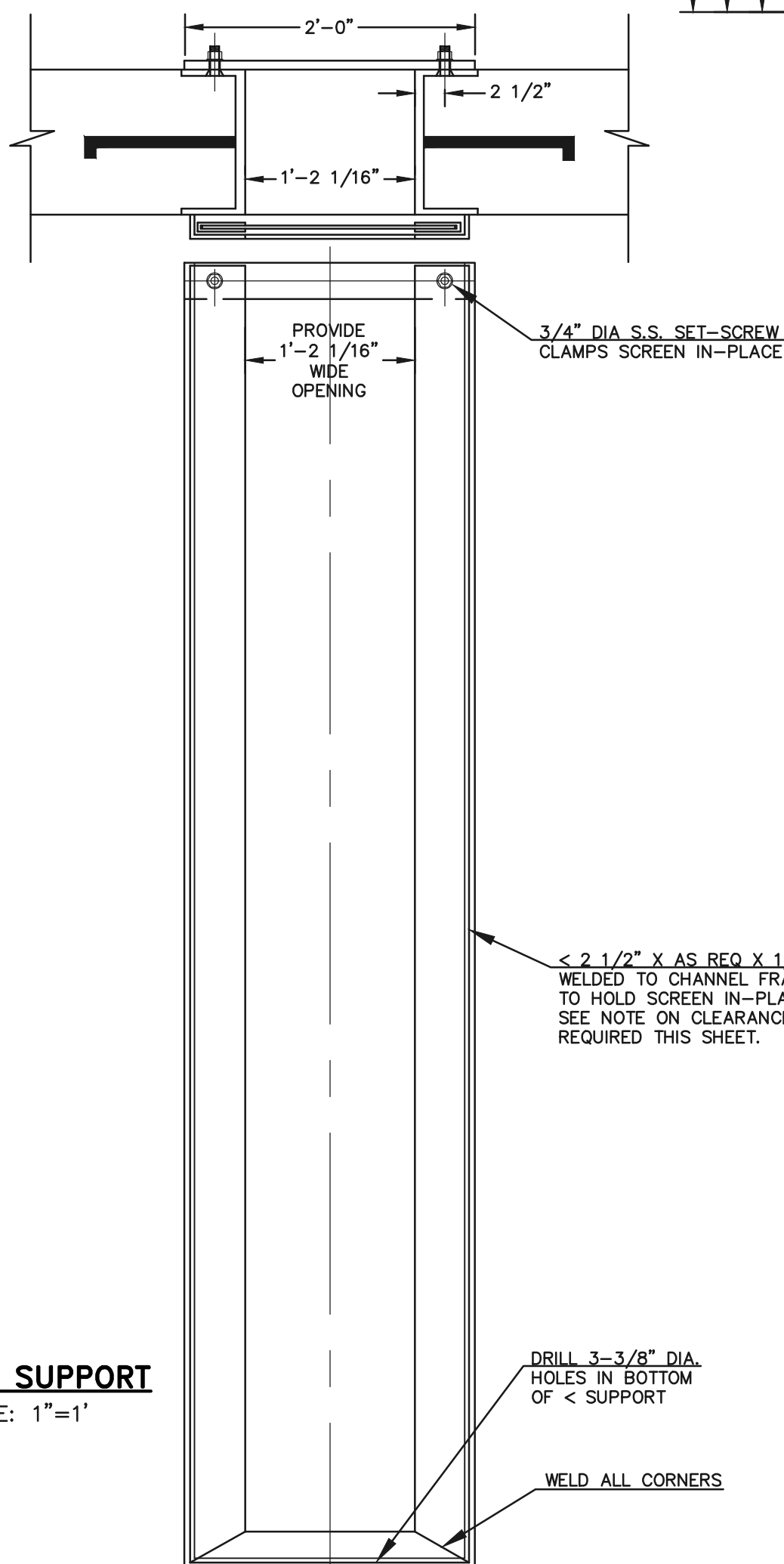
**1/4" THICK
ORIFICE PLATE**
SCALE: 1"=1'



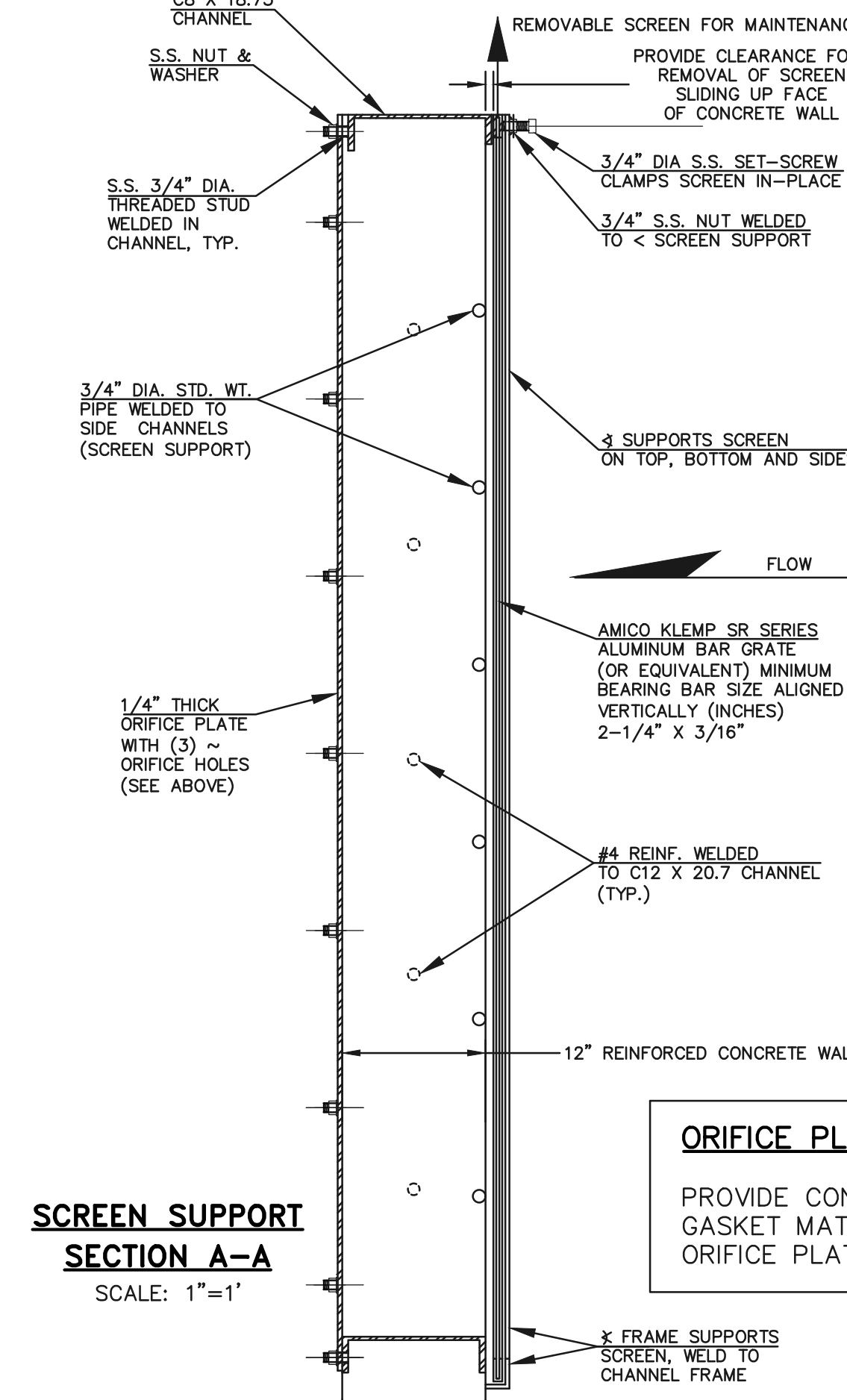
CHANNEL FRAME
SCALE: 1"=1'



TRASH SCREEN
SCALE: 1"=1'



SCREEN SUPPORT
SCALE: 1"=1'



**SCREEN SUPPORT
SECTION A-A**
SCALE: 1"=1'

ORIFICE PLATE NOTE:
PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE

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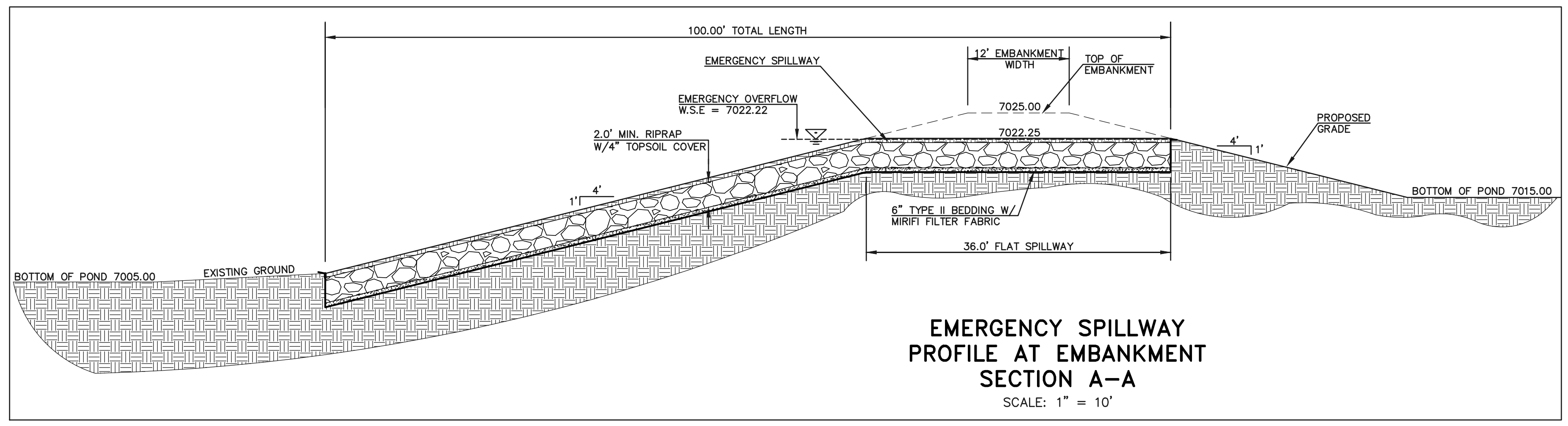
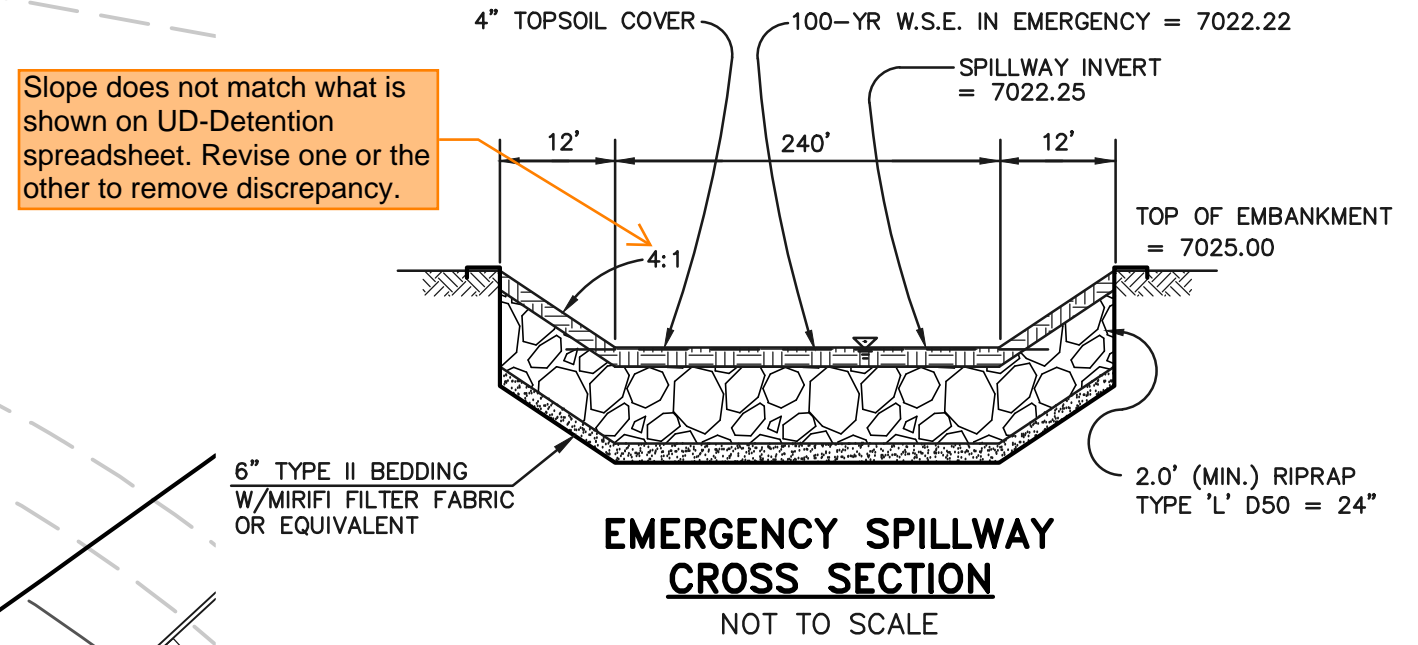
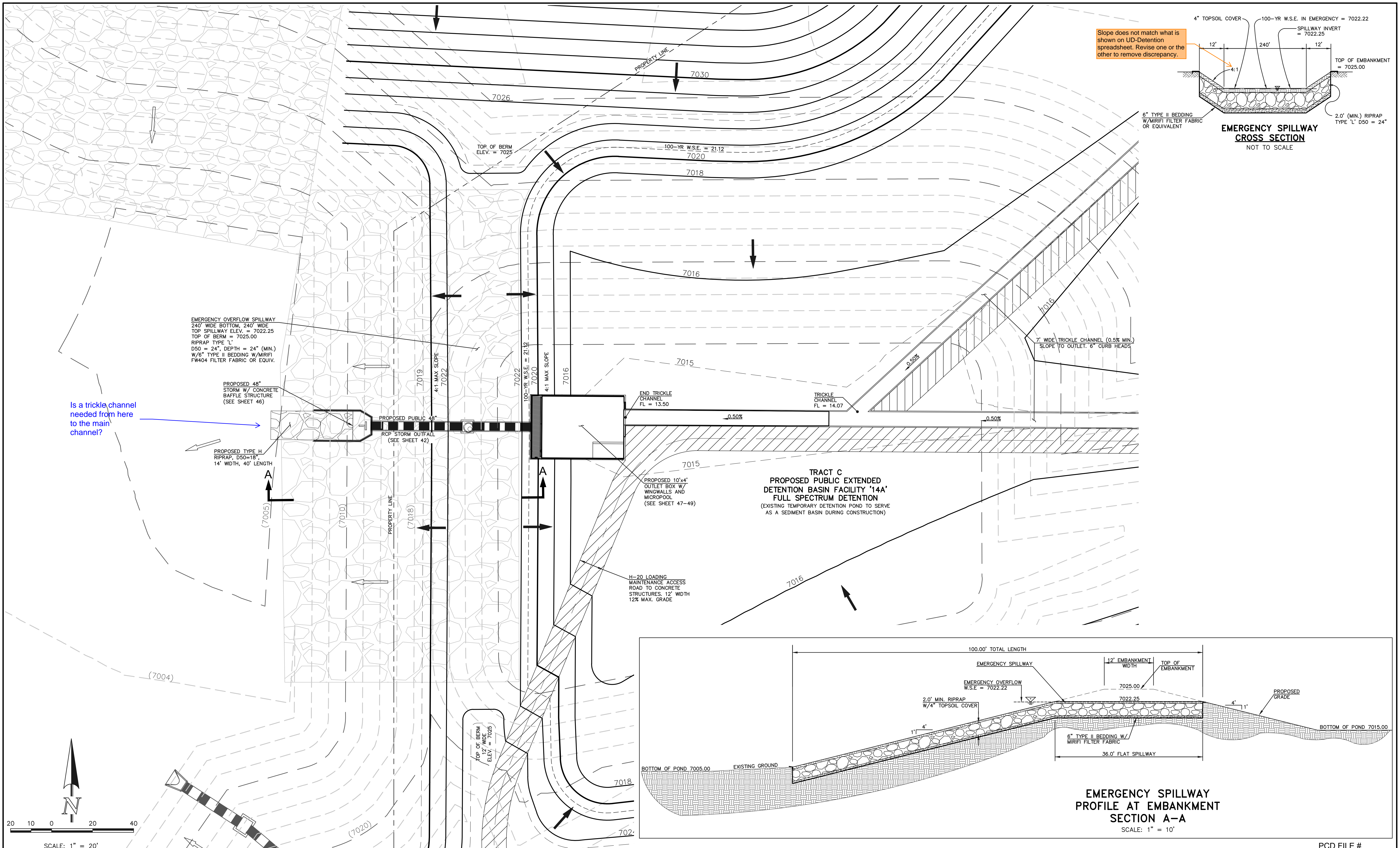
| NO. | REVISION | DATE |
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REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

PCD FILE #

| | | | |
|----------------------------------|-------------|------------|----------------|
| STERLING RANCH EAST FILING NO. 1 | | | |
| CONSTRUCTION PLANS | | | |
| PUBLIC POND '14A' | | | |
| OUTLET BOX DETAILS | | | |
| DESIGNED BY | MAL | SCALE | DATE 08/31/22 |
| DRAWN BY | MES | (H) 1"= 1' | SHEET 49 OF 53 |
| CHECKED BY | (V) 1"= N/A | JOB NO. | 1183.30 |

N:\118330\DRAWINGS\CONSTRUCTION\STORM\49-118330-5TM-23-outlet box details.dwg, 11/14/2022 1:20:19 PM, 1:1



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

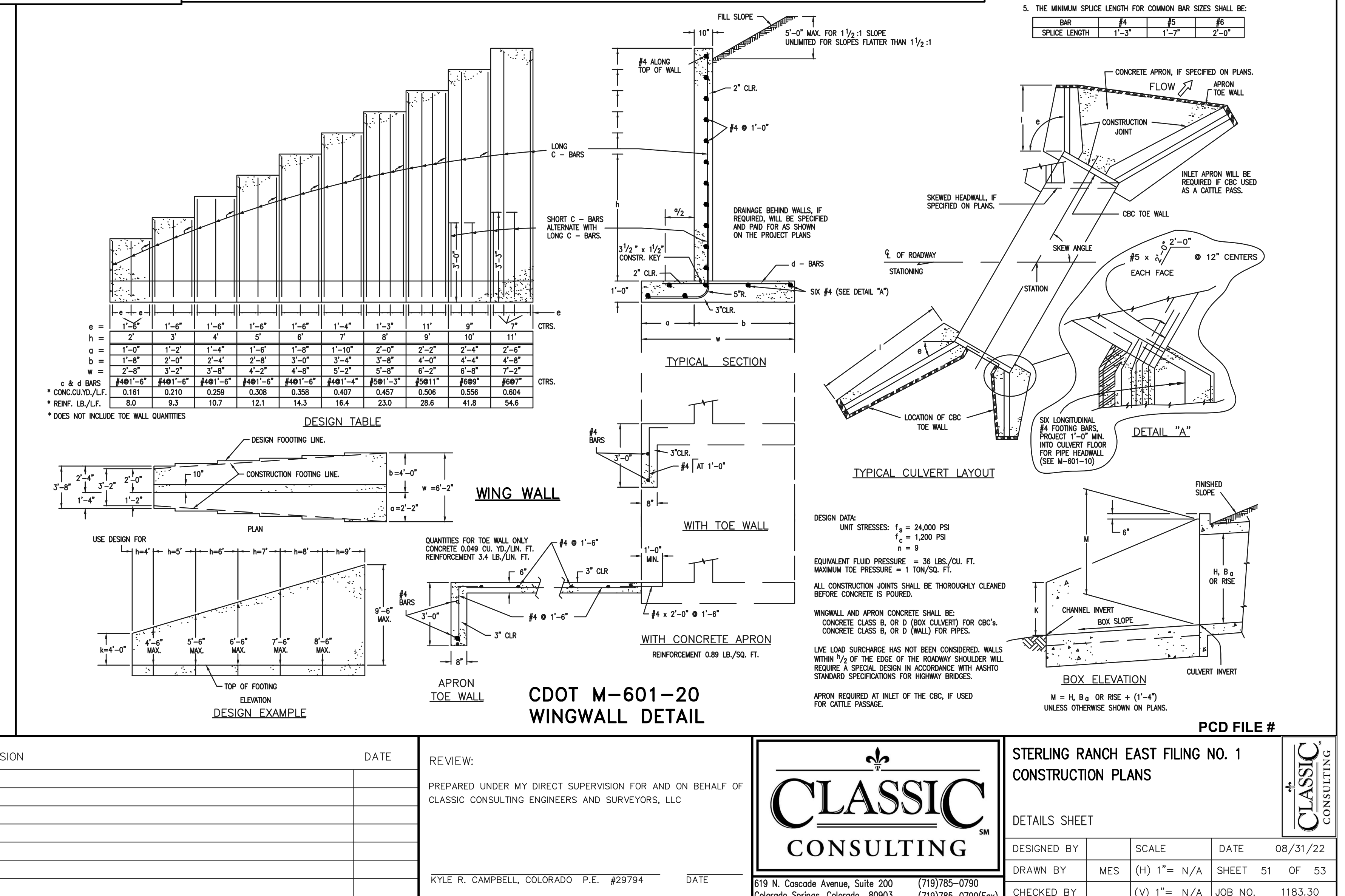
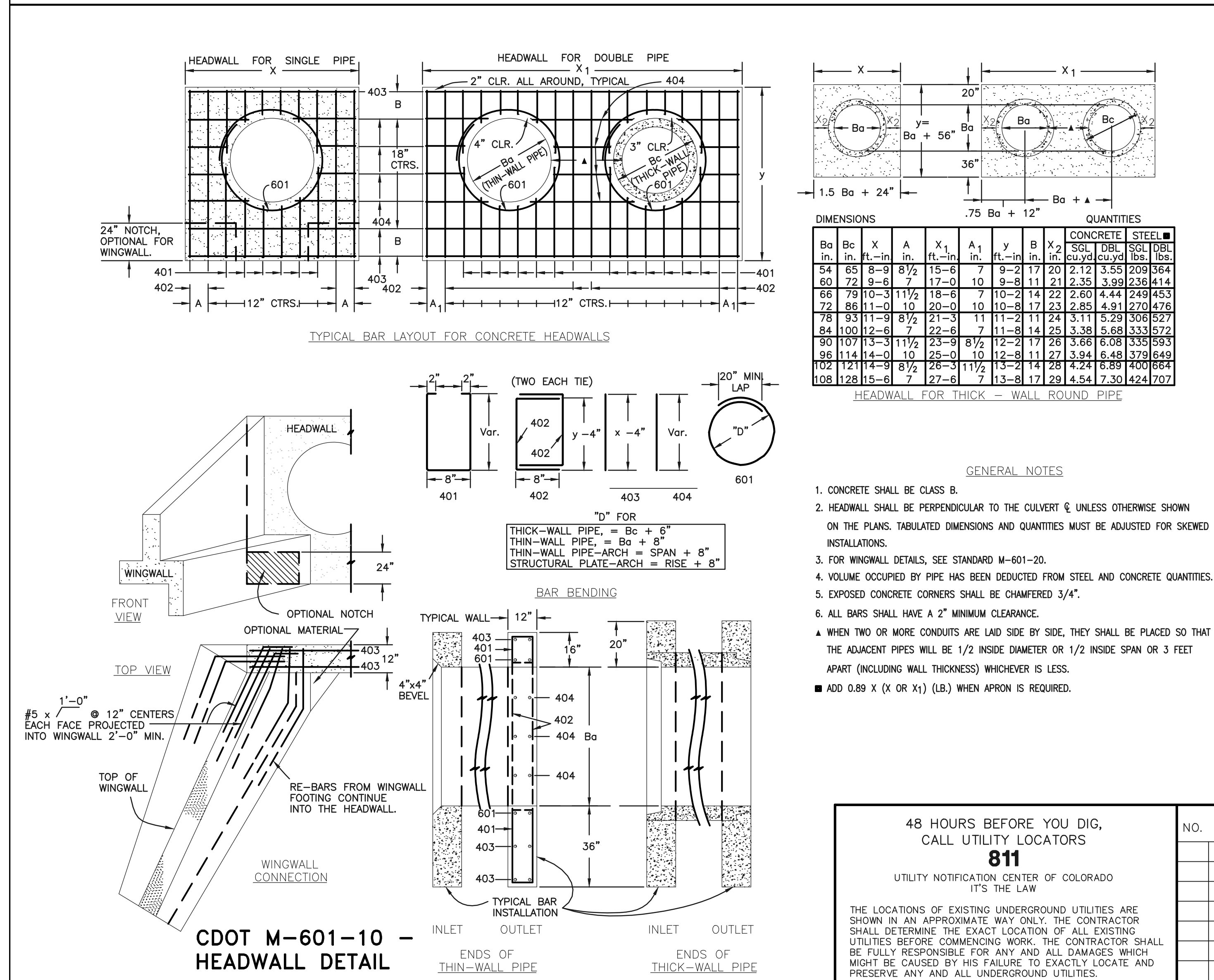
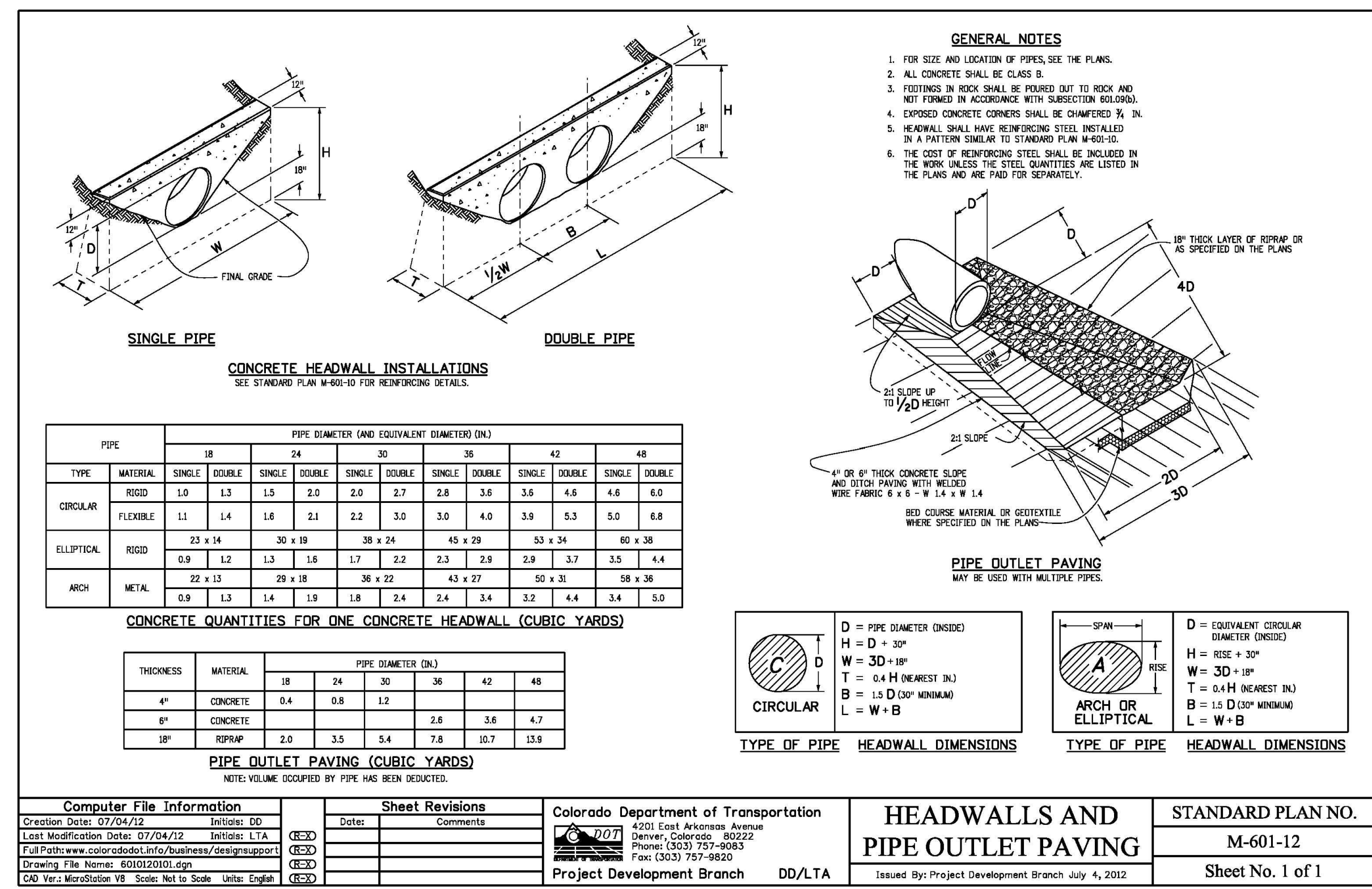
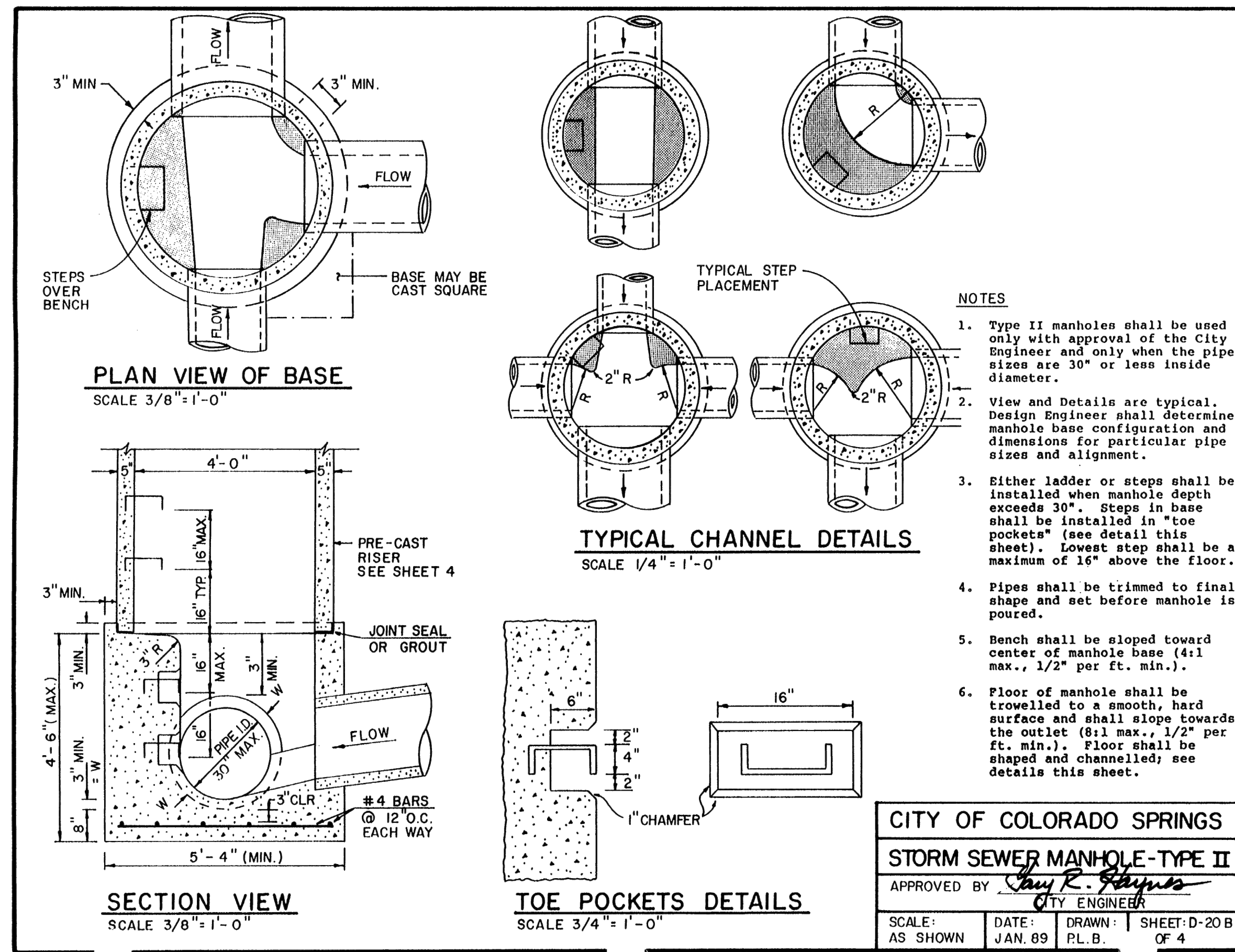
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (fax)

PCD FILE #

STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS
PUBLIC POND '14A'
SPILLWAY DETAILS

| | | | | |
|-------------|-----|--------------|---------|----------|
| DESIGNED BY | MAL | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = 30' | SHEET | 50 OF 53 |
| CHECKED BY | (V) | 1" = N/A | JOB NO. | 1183.30 |



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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

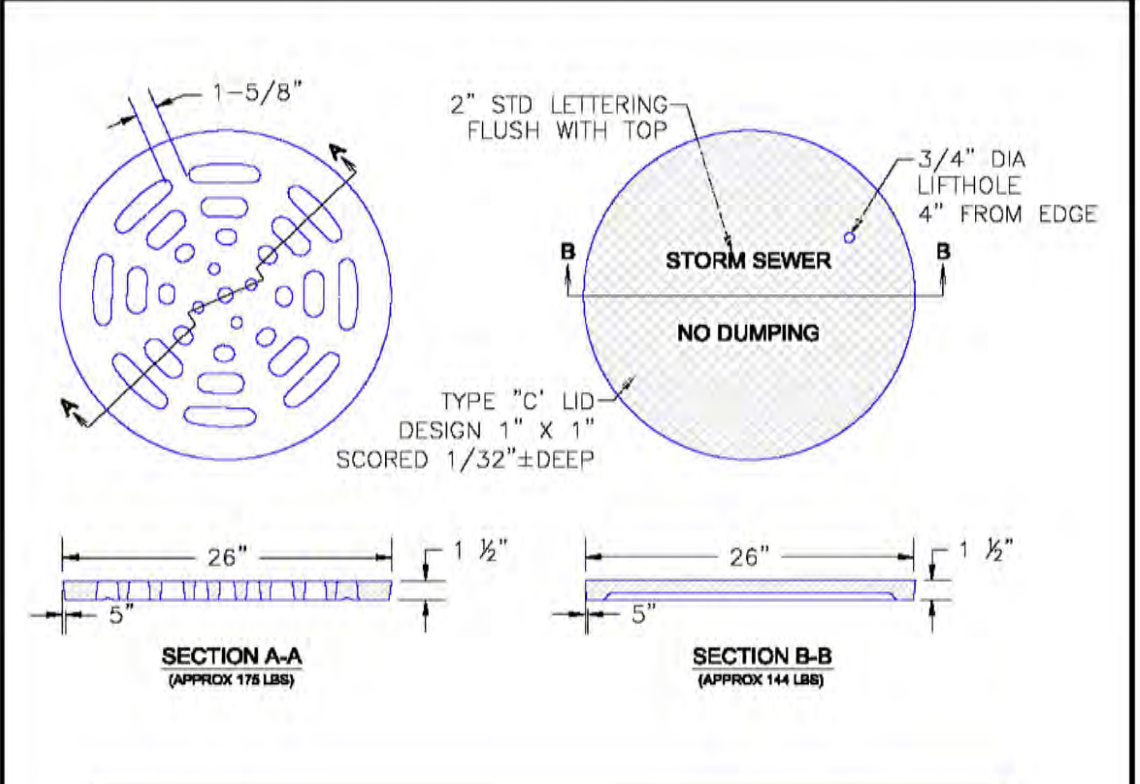
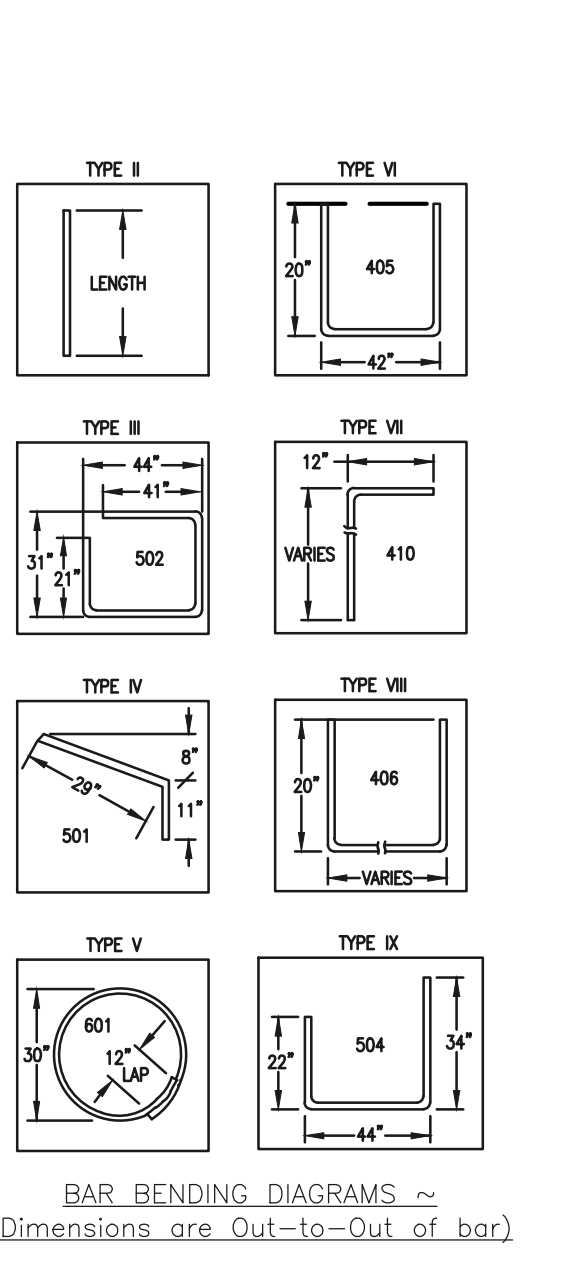
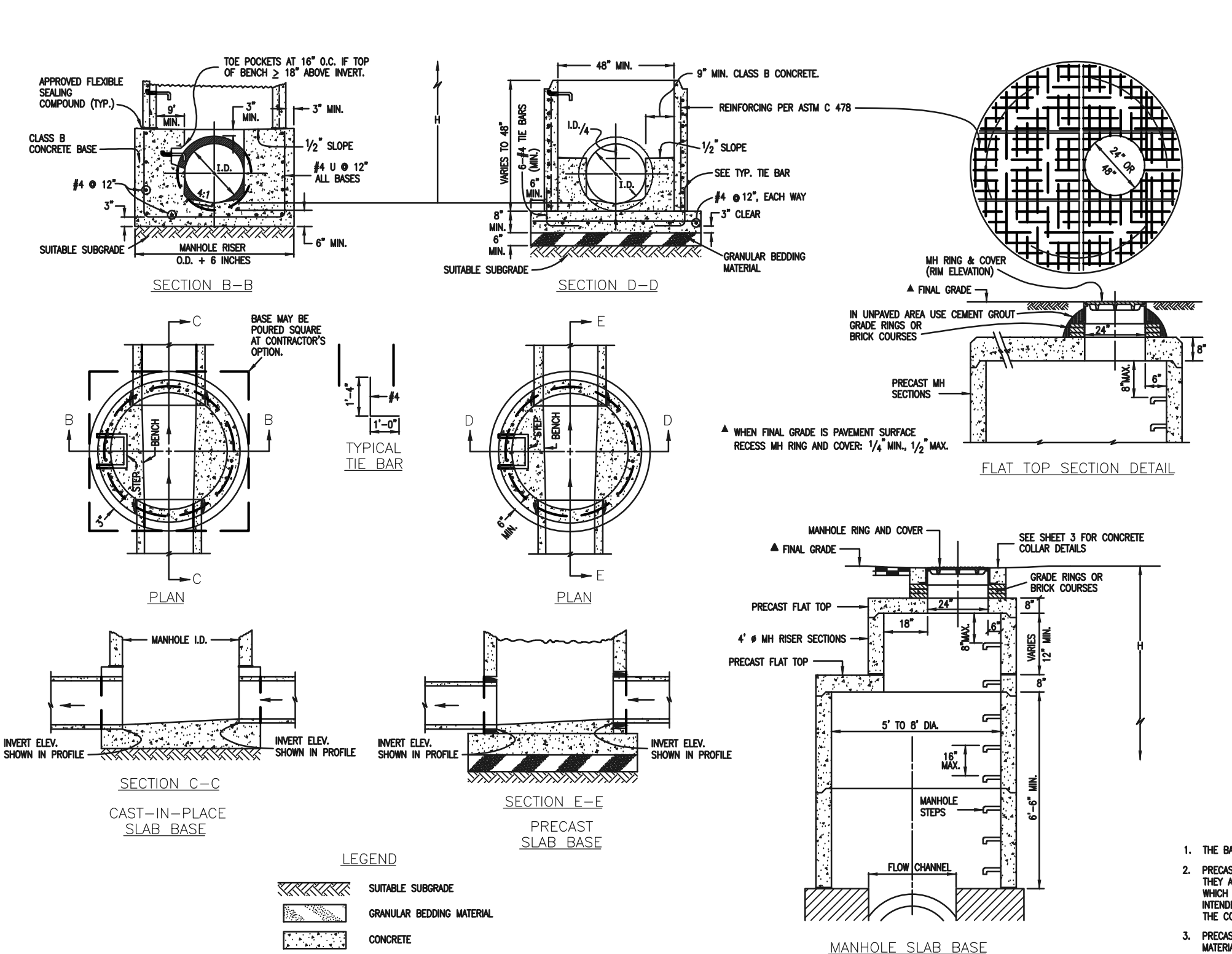
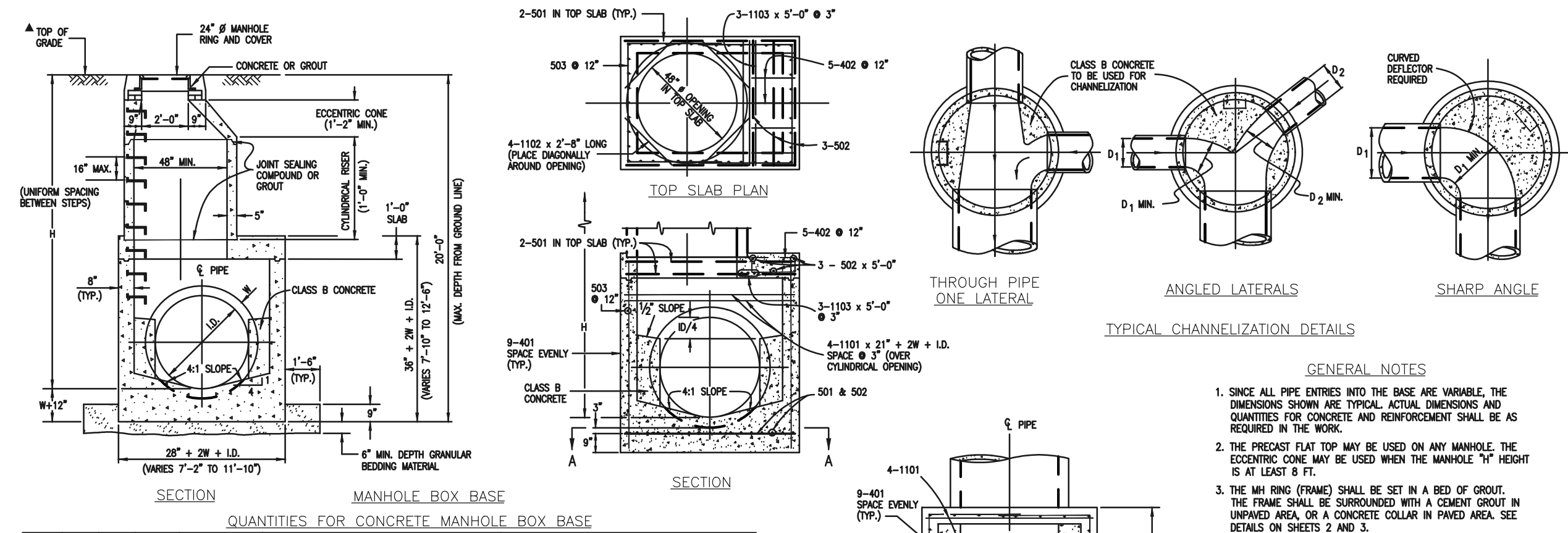


STERLING RANCH EAST FILING NO. 1
CONSTRUCTION PLANS

DETAILS SHEET

| | | | |
|-------------|--------------|--------------|----------------|
| DESIGNED BY | SCALE | DATE | 08/31/22 |
| DRAWN BY | MES | (H) 1" = N/A | SHEET 51 OF 53 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.30 |





QUANTITIES FOR CONCRETE MANHOLE BOX BASE

| MARK | SIZE | TYPE | WT. #/FT. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | FORMULAS |
|------|------|------|-----------|------------|------------|------------|------------|------------|------------|--|
| | | | | 5'4" | 6'0" | 6'8" | 7'2" | 8'4" | 9'6" | |
| 401 | 4 | I | 0.688 | 18 | 18 | 18 | 18 | 12 | 12 | 401 BAR LENGTH = 32'+2W+L.D. |
| 402 | 4 | III | 0.688 | 18 | 18 | 18 | 18 | 12 | 12 | 402 BAR LENGTH = L.D. + 2W |
| 403 | 5 | I | 1.043 | 17 | 17 | 17 | 17 | 12 | 12 | 501 BAR LENGTH = 24'+L.D. + 2W |
| 502 | 5 | I | 1.043 | 17 | 17 | 17 | 17 | 12 | 12 | 502 NUMBER BARS REQ'D. = 3 + (24+L.D.+2W+L) / (12'-0") |
| 503 | 5 | II | 1.043 | 18 | 18 | 18 | 18 | 12 | 12 | 503 NUMBER BARS REQ'D. = 2 (32+L.D.+2W+L) / (12'-0") |
| 504 | 5 | I | 1.043 | 17 | 17 | 17 | 17 | 12 | 12 | 504 NUMBER BARS REQ'D. = 2 (28+L.D.+2W+L) / (12'-0") |
| 1101 | 11 | I | 5.313 | 4 | 4 | 4 | 4 | 4 | 4 | 1101 BAR LENGTH = 32'+2W+L.D. |
| 1102 | 11 | I | 5.313 | 4 | 4 | 4 | 4 | 4 | 4 | 1102 BAR LENGTH = 21'+L.D. + 2W |
| 1103 | 11 | I | 5.313 | 3 | 3 | 3 | 3 | 3 | 3 | 1103 BAR LENGTH = 18'+L.D. + 2W |

CDOT MANHOLES STD. PLAN NO: M-604-20

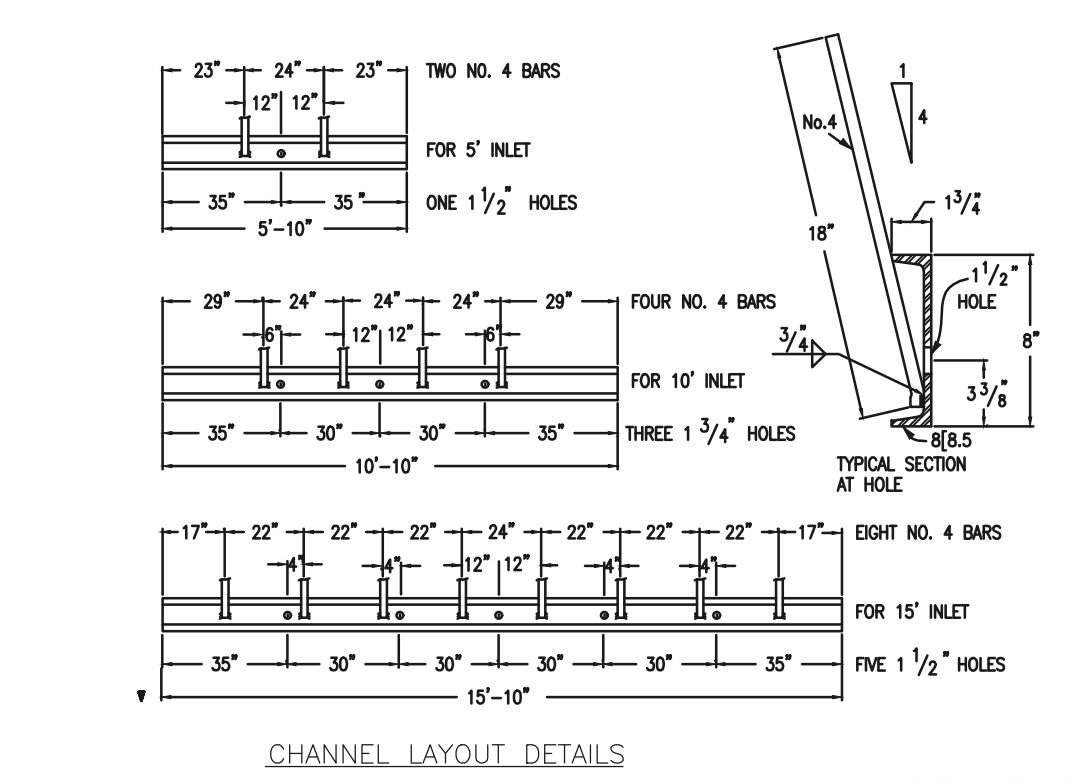
TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"

| MARK | DIA IN. | O.C. SPACING | TYPE | ALL INLETS | | | | INLETS, H ≤ 5' | | | | INLETS, H > 5' | | | | |
|------|---------|--------------|------|------------|-----|-----|-----|----------------|-----|-----|-----|----------------|-----|-----|----|----|
| | | | | L=5' | 10' | 15' | 10' | 15' | 10' | 15' | 10' | 15' | 10' | 15' | | |
| 401 | 11" | II | 15 | 21 | 28 | 36 | 11 | 15 | 21 | 28 | 36 | 11 | 15 | 21 | 28 | 36 |
| 402 | 11" | II | 7 | 13 | 18 | 24 | 7 | 11 | 15 | 21 | 28 | 36 | 11 | 15 | 21 | 28 |
| 403 | 9" | II | 4 | 7 | 10 | 14 | 4 | 6 | 9 | 12 | 16 | 4 | 6 | 9 | 12 | 16 |

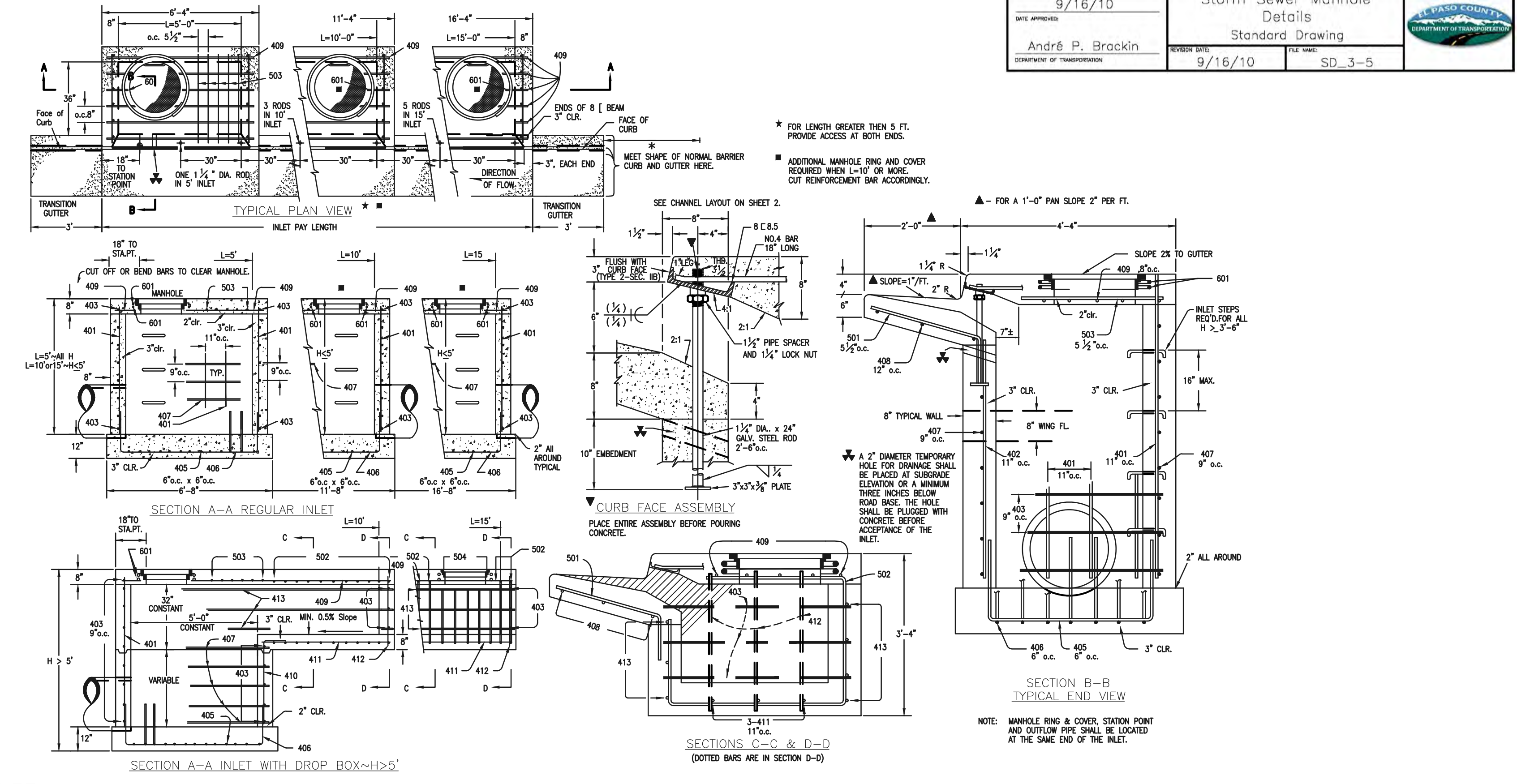
- GENERAL NOTES
- ALL CONCRETE SHALL BE CLASS B.
 - CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES AND SHALL BE 8 IN. THICK.
 - INLET STEPS SHALL BE IN ACCORDANCE WITH ASHTO M 199.
 - CURB FACE ASSEMBLY SHALL BE GALVANIZED AFTER WELDING.
 - EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/4 IN. CURB AND GUTTER CORNERS SHALL BE FINISHED TO MATCH THE EXISTING CURB AND GUTTER BEHIND THE TRANSITION GUTTER.
 - REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2 IN. MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE EPoxy COATED.
 - DIMENSIONS AND WEIGHTS OF TYPICAL MANHOLE RING AND COVER ARE NOMINAL.
 - MATERIAL FOR MANHOLE RINGS AND COVERS SHALL BE GRAY OR DUCTILE CAST IRON CONFORMING TO 712.06.
 - SINCE PIPE ENTRIES INTO THE INLET ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK. QUANTITIES INCLUDE VOLUMES OCCUPIED BY PIPES.
 - STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF 712.06.

TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

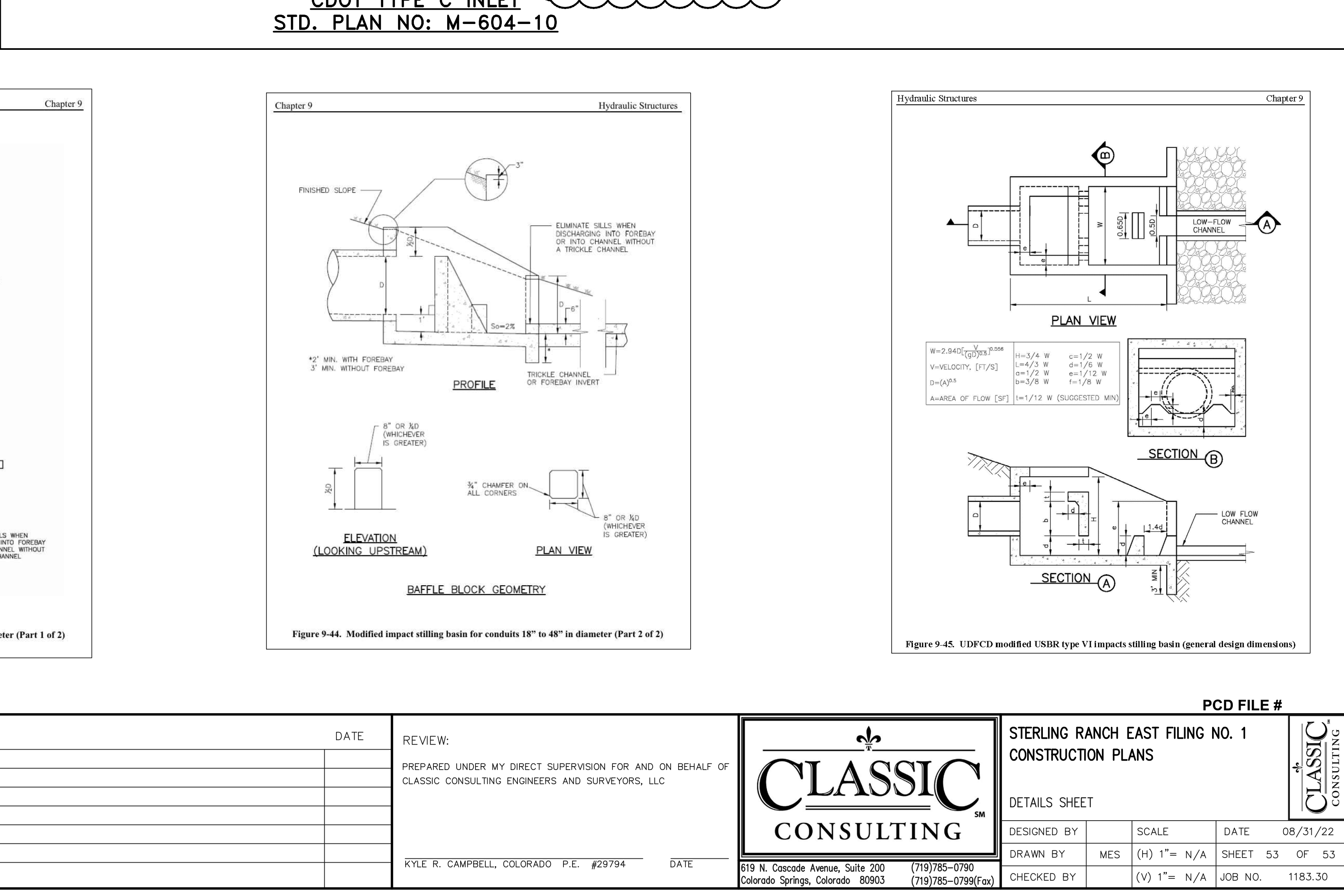
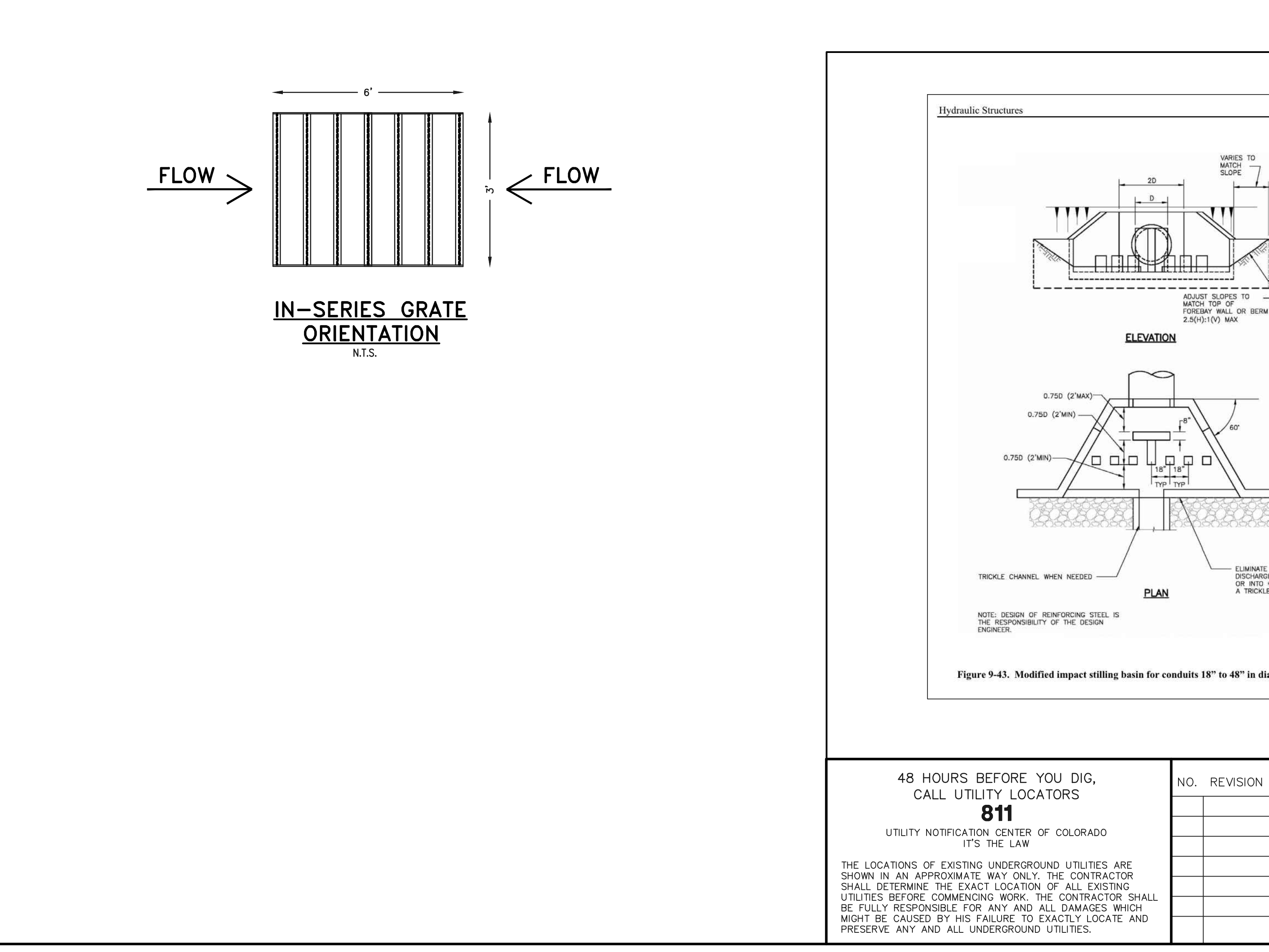
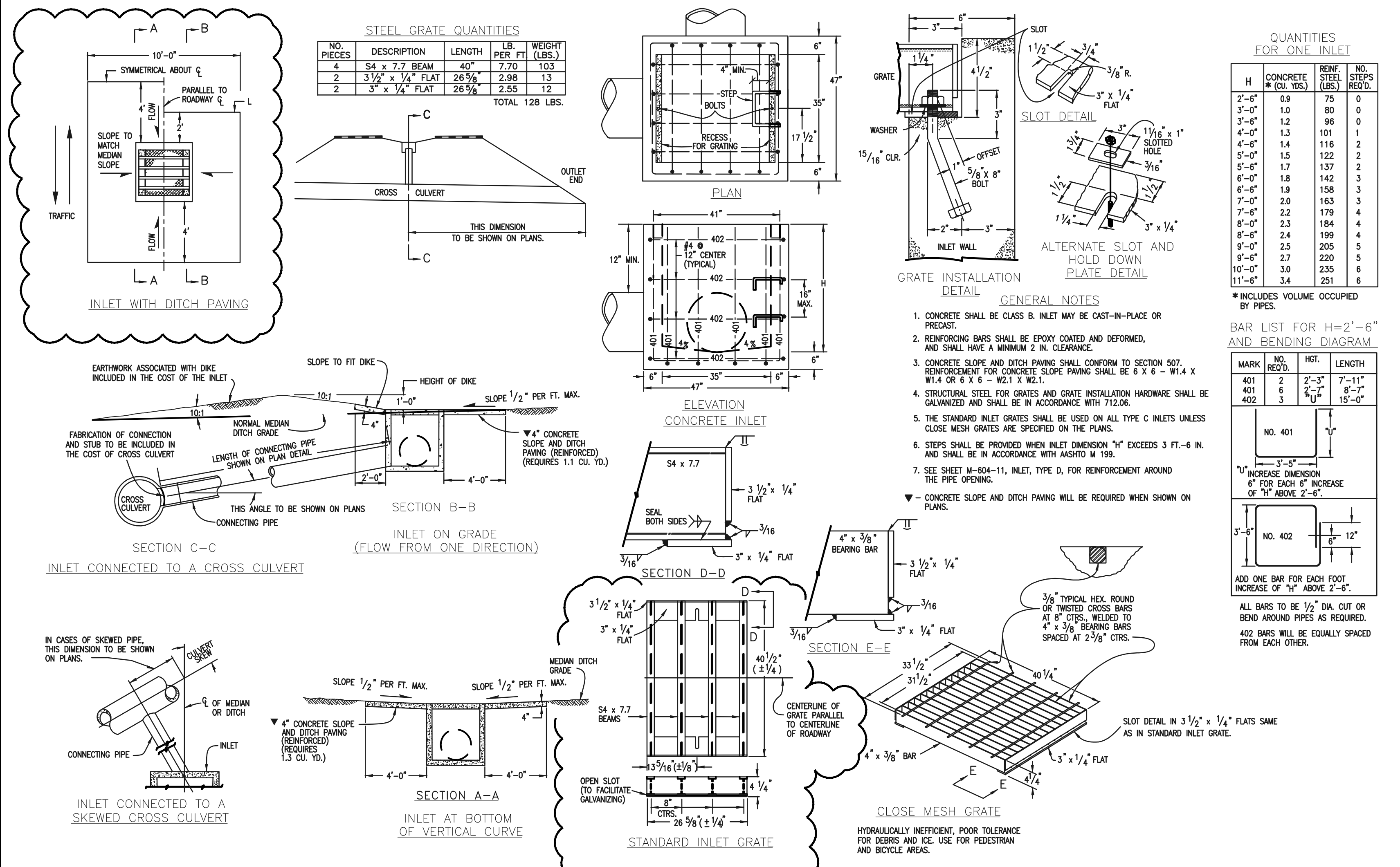
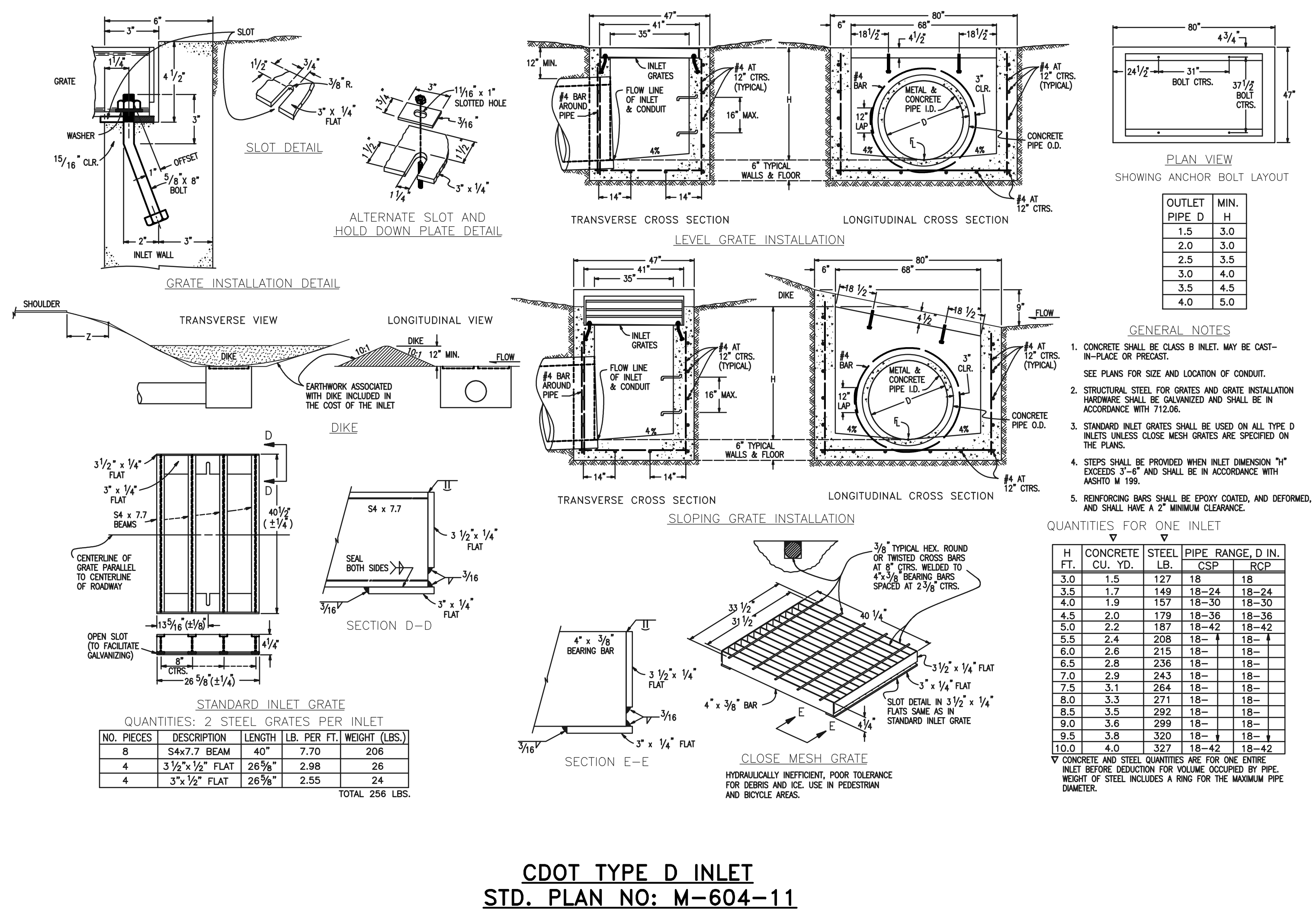
| MARK | LENGTH | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. | NO. REQ'D. |
|--------|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | L=5' | 10' | 15' | 10' | 15' | 10' | 15' | 10' | 15' | 10' | 15' |
| 3'-0" | 2'-8" | 10 | 7 | 5 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3'-6" | 3'-2" | 10 | 7 | 5 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4'-0" | 3'-8" | 12 | 9 | 7 | 5 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4'-6" | 4'-2" | 12 | 9 | 7 | 5 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 5'-0" | 4'-8" | 14 | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5'-6" | 5'-2" | 16 | 13 | 11 | 9 | 7 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6'-0" | 5'-8" | 18 | 15 | 13 | 11 | 9 | 7 | 6 | 6 | 6 | 6 | 6 |
| 6'-6" | 6'-2" | 20 | 17 | 15 | 13 | 11 | 9 | 7 | 7 | 7 | 7 | 7 |
| 7'-0" | 6'-8" | 22 | 19 | 17 | 15 | 13 | 11 | 9 | 8 | 8 | 8 | 8 |
| 7'-6" | 7'-2" | 24 | 21 | 19 | 17 | 15 | 13 | 11 | 9 | 9 | 9 | 9 |
| 8'-0" | 7'-8" | 26 | 23 | 21 | 19 | 17 | 15 | 13 | 11 | 10 | 10 | 10 |
| 8'-6" | 8'-2" | 28 | 25 | 23 | 21 | 19 | 17 | 15 | 13 | 11 | 11 | 11 |
| 9'-0" | 8'-8" | 30 | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 13 | 12 | 12 |
| 9'-6" | 9'-2" | 32 | 29 | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 13 | 13 |
| 10'-0" | 9'-8" | 34 | 31 | 29 | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 14 |
| 10'-6" | 10'-2" | 36 | 33 | 31 | 29 | 27 | 25 | 23 | 21 | 19 | 17 | 15 |
| 11'-0" | 10'-8" | 38 | 35 | 33 | 31 | 29 | 27 | 25 | 23 | 21 | 19 | 17 |



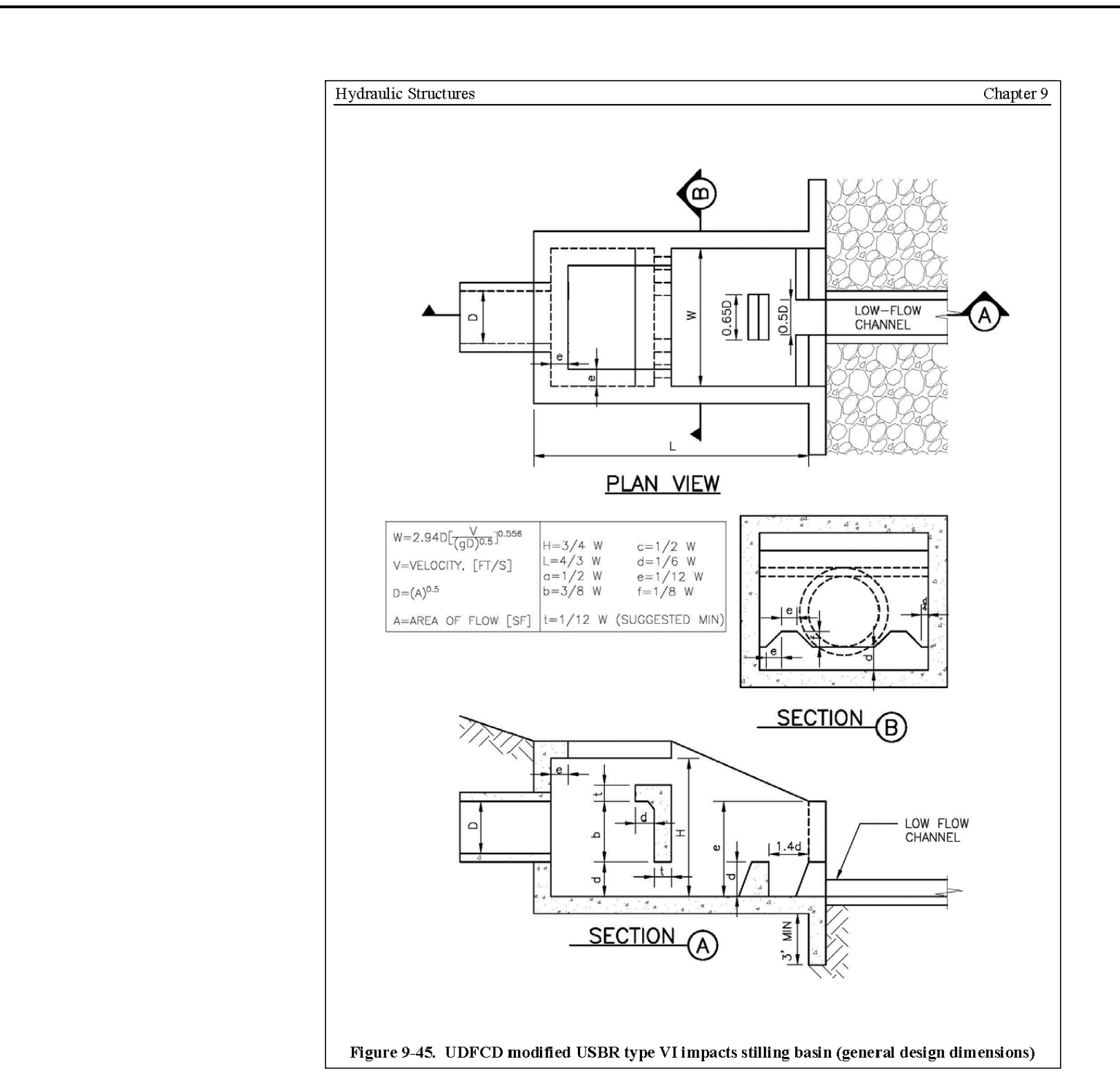
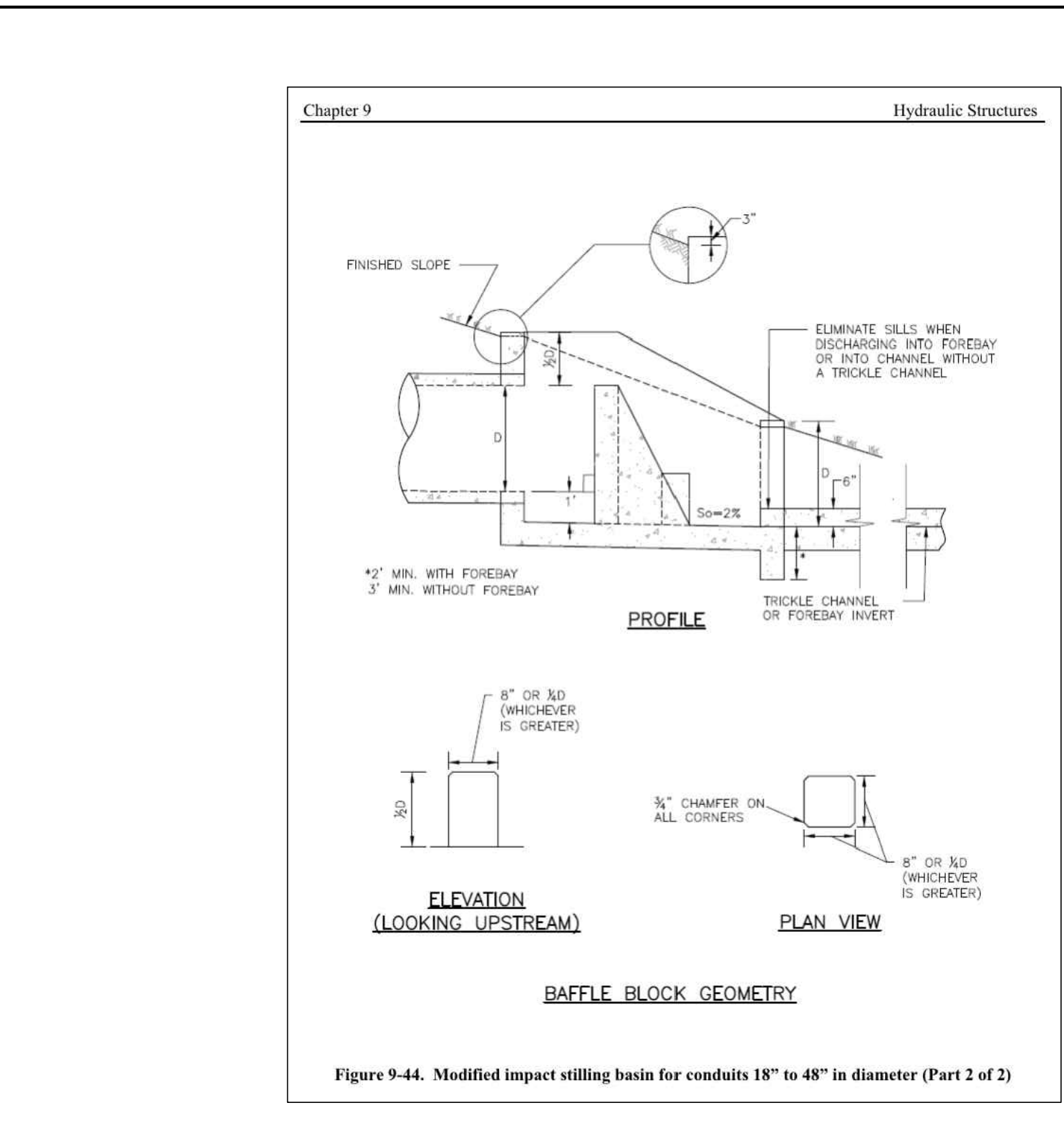
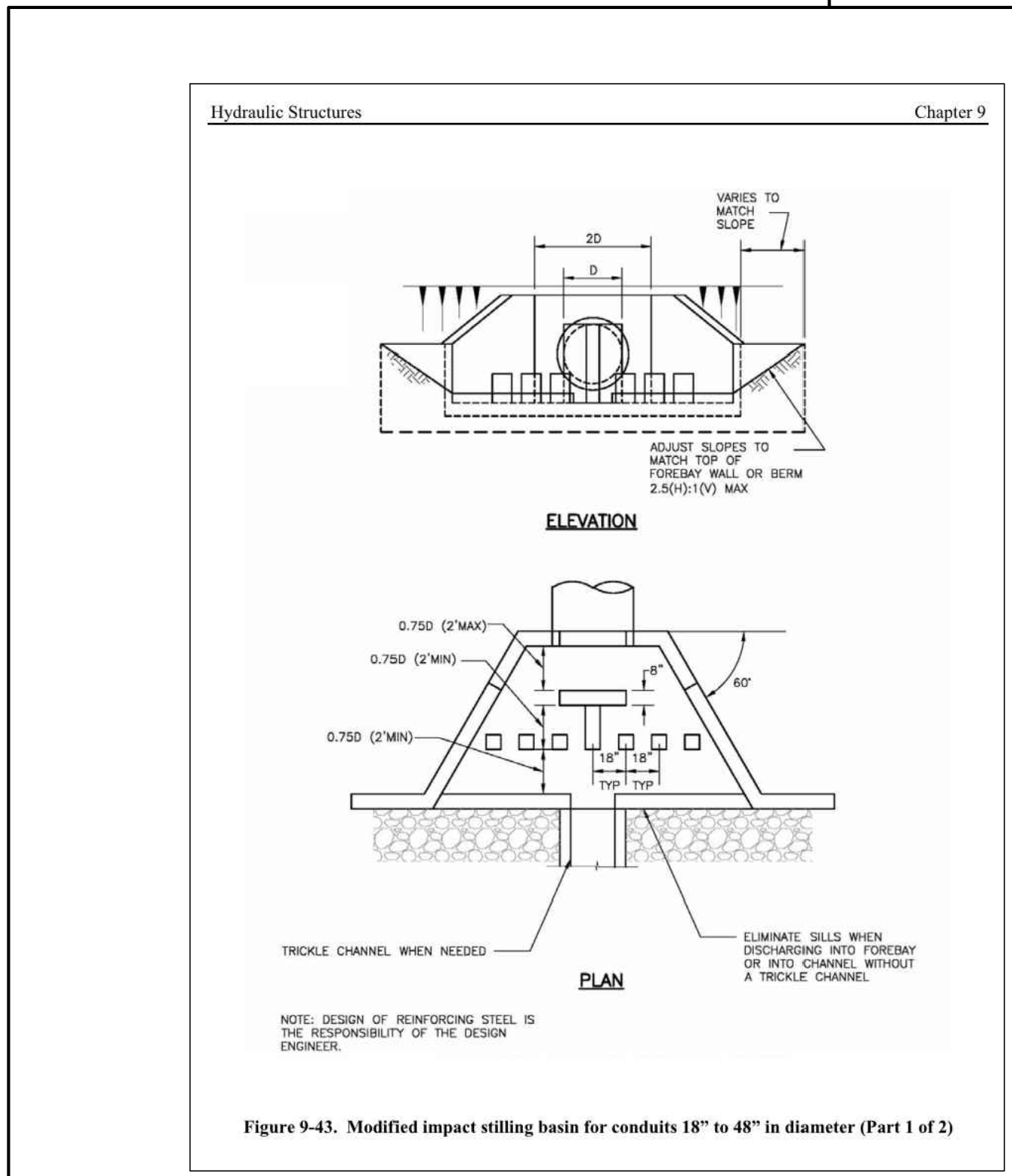
CDOT TYPE R INLET STD. PLAN NO: M-604-12



| | | | | | |
|---|---------------------------------|---|--|---|-------------|
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| | | | | | <p>DATE</p> |
| <p>CLASSIC CONSULTING</p> | | <p>CLASSIC CONSULTING</p> | | <p>DESIGNED BY</p> <p>SCALE</p> <p>DATE</p> | |
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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

PCD FILE #

STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS

DETAILS SHEET

DESIGNED BY: SCALE: DATE: 08/31/22

DRAWN BY: MES (H) 1" = N/A SHEET 53 OF 53

CHECKED BY: (V) 1" = N/A JOB NO. 1183.30

CLASSIC CONSULTING

619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719)785-0790 (719)785-0799(Fax)