

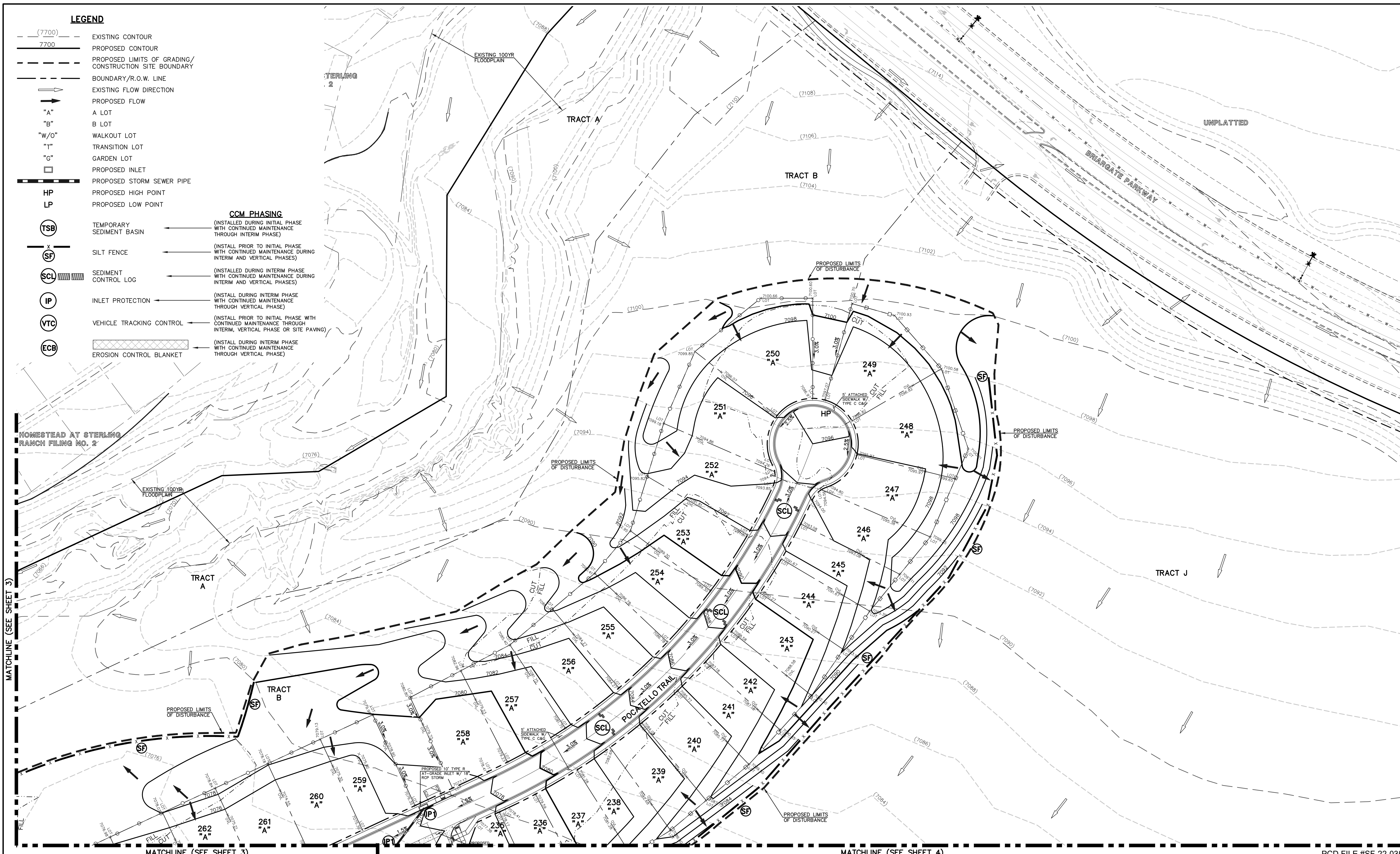


**LEGEND**

- (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)
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- (VTC) VEHICLE TRACKING CONTROL (INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM, VERTICAL PHASE OR SITE PAVING)
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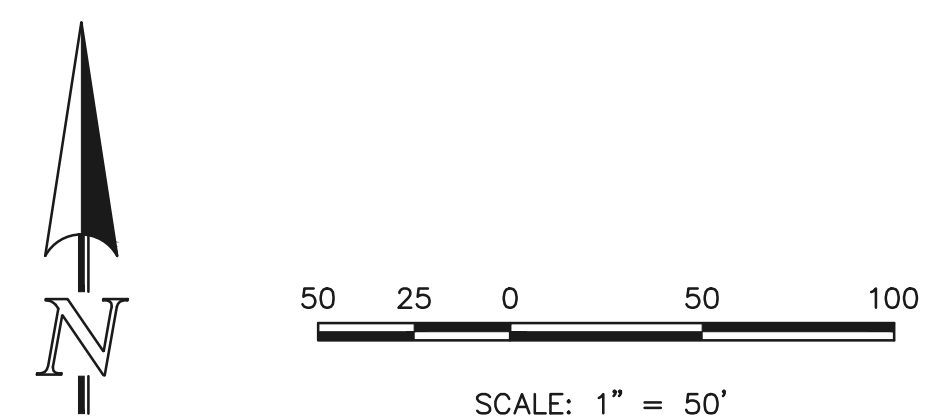


HOMESTEAD AT STERLING RANCH FILING NO. 2

MATCHLINE (SEE SHEET 3)

MATCHLINE (SEE SHEET 4)

PCD FILE #SF-22-035



**NOTES:**  
SEE SHEETS 8-9 FOR LOT TEMPLATES AND EROSION CONTROL DETAILS.

THERE WILL BE NO ASPHALT, CONCRETE BATCH PLANTS AND MASONRY MIX STATIONS ON THIS SITE.

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

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER THE SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING AND SURVEYORS, LLC

KYLE R. CAMPBELL  
#29794

DATE: 02/28/24

**CLASSIC CONSULTING**

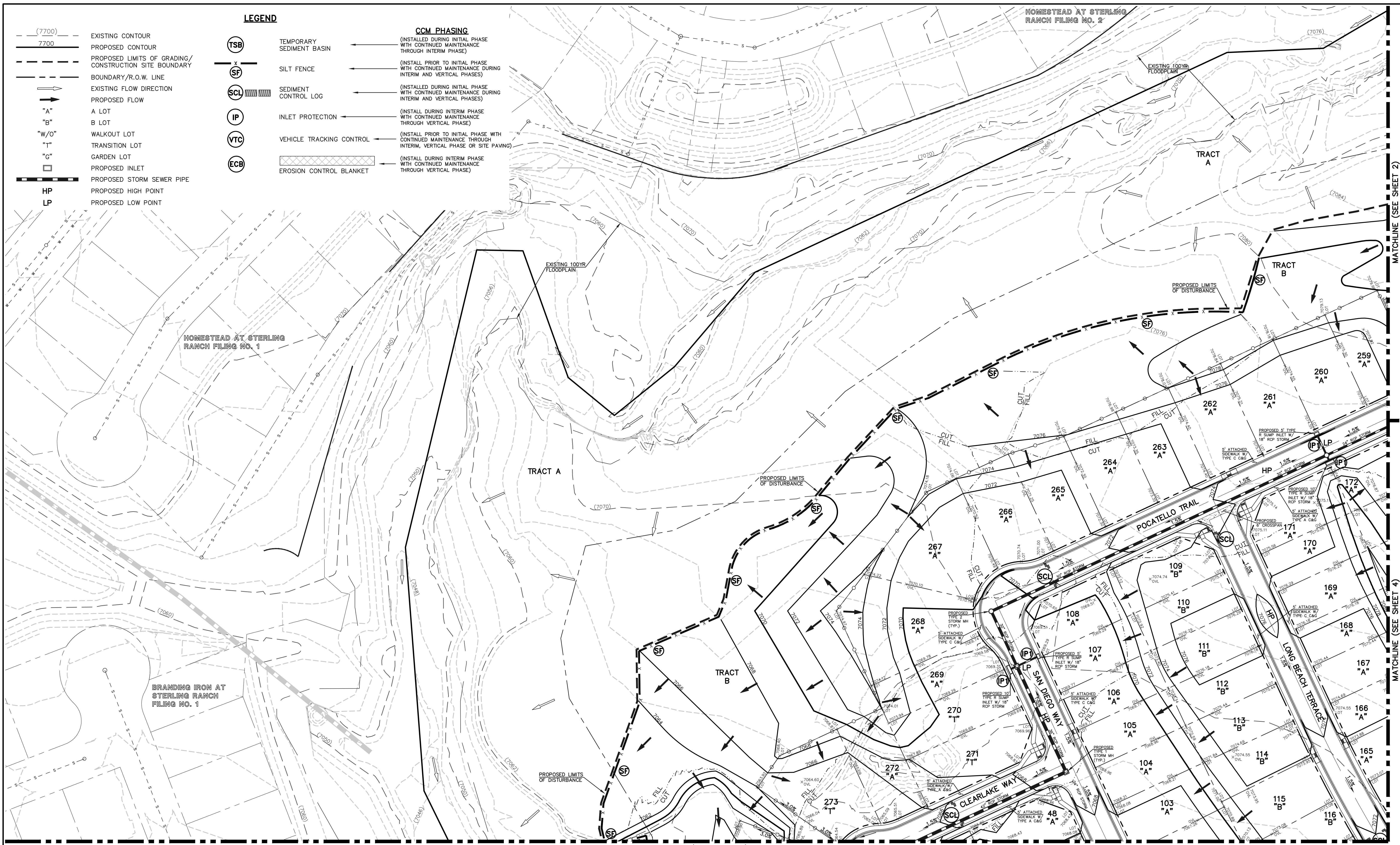
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

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

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

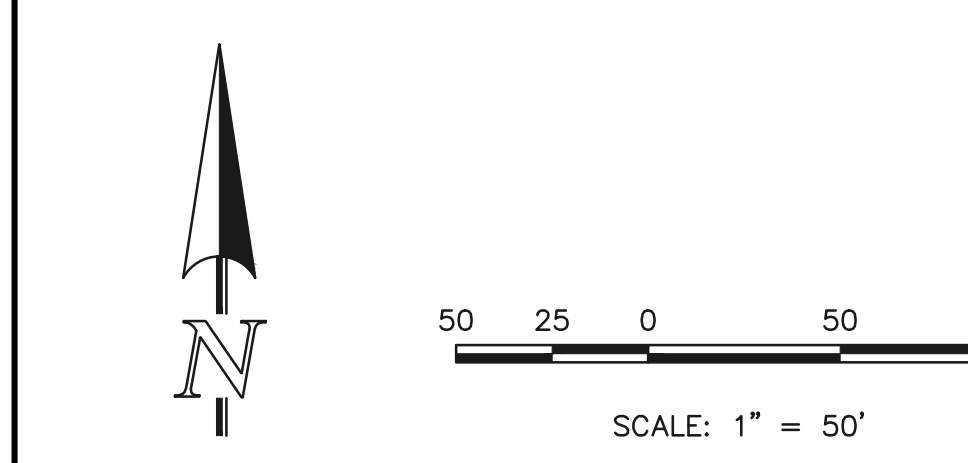
DESIGNED BY	MES	SCALE	DATE	08/31/22
DRAWN BY	MES	(H) 1" = 50'	SHEET	2 OF 53
CHECKED BY	(V)	1" = N/A	JOB NO.	1183.30

CLASSIC CONSULTING



- LEGEND**
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NO.	REVISION	DATE

REVIEW:

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

*Kyle R. Cameron*  
KYLE R. CAMERON, PROFESSIONAL ENGINEER #29794

02/28/24  
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

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

MATCHLINE (SEE SHEET 2)

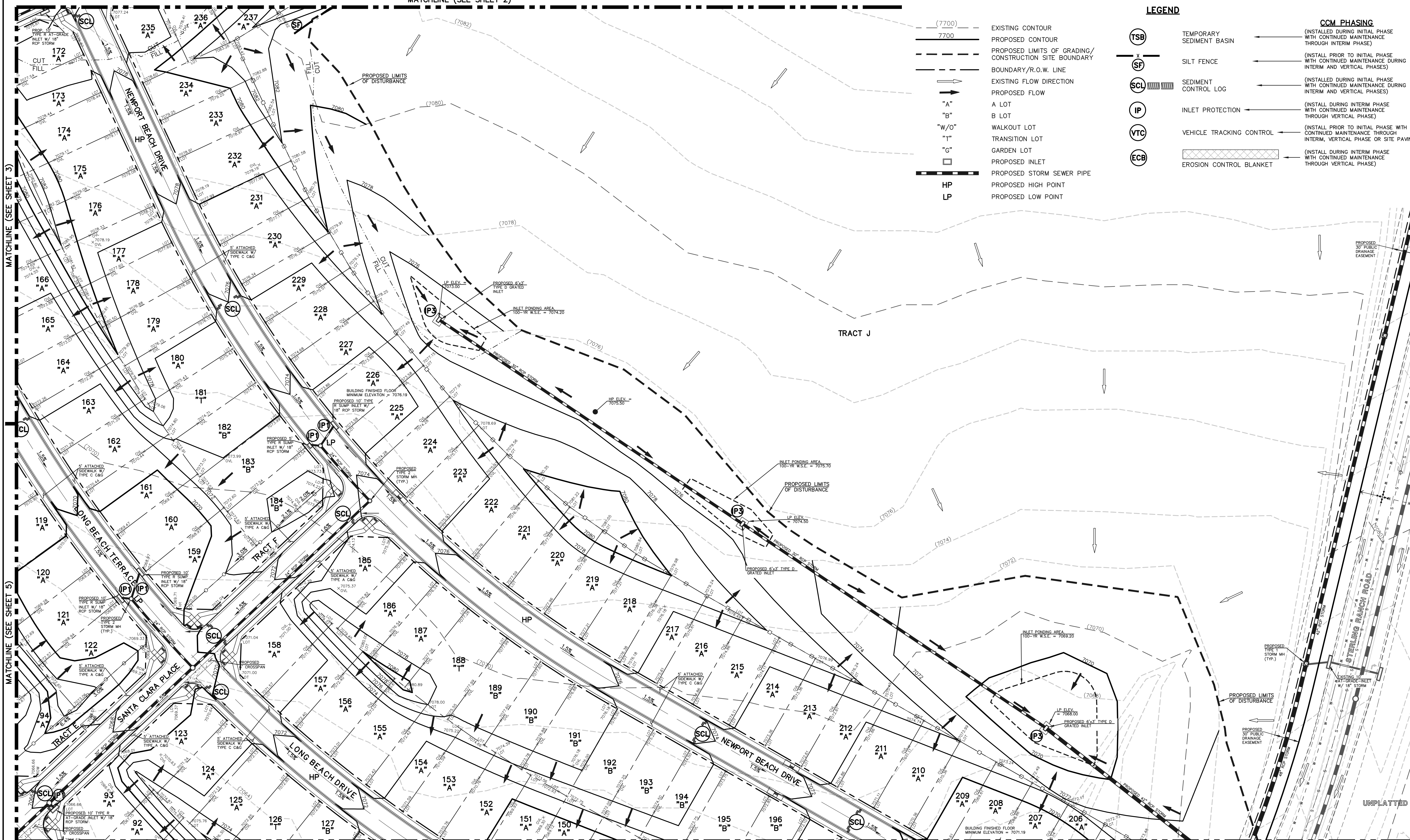
MATCHLINE (SEE SHEET 4)

MATCHLINE (SEE SHEET 5)

PCD FILE #SF-22-035

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MATCHLINE (SEE SHEET 2)



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- 7700 PROPOSED CONTOUR
- PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY
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**LEGEND**

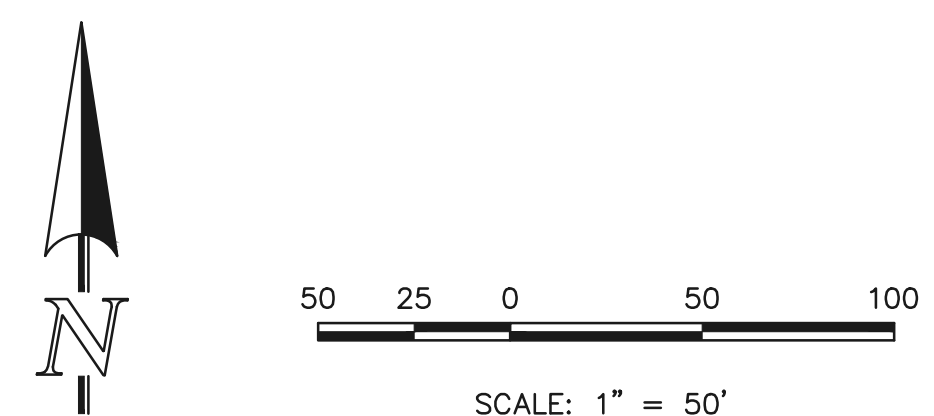
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- CCM PHASING**
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MATCHLINE (SEE SHEET 5)

MATCHLINE (SEE SHEET 6)

PCD FILE #SF-22-035



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KYLE R. CAMPBELL  
PROFESSIONAL ENGINEER #29794

02/28/24  
DATE

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519 N. Cascade Avenue, Suite 200  
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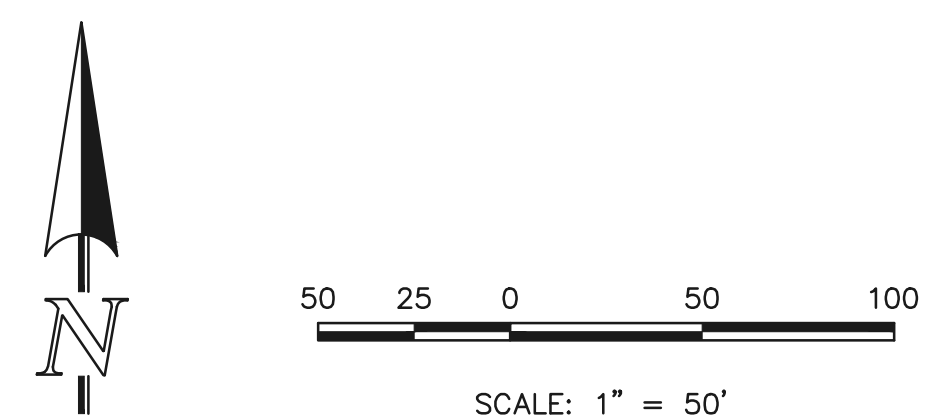
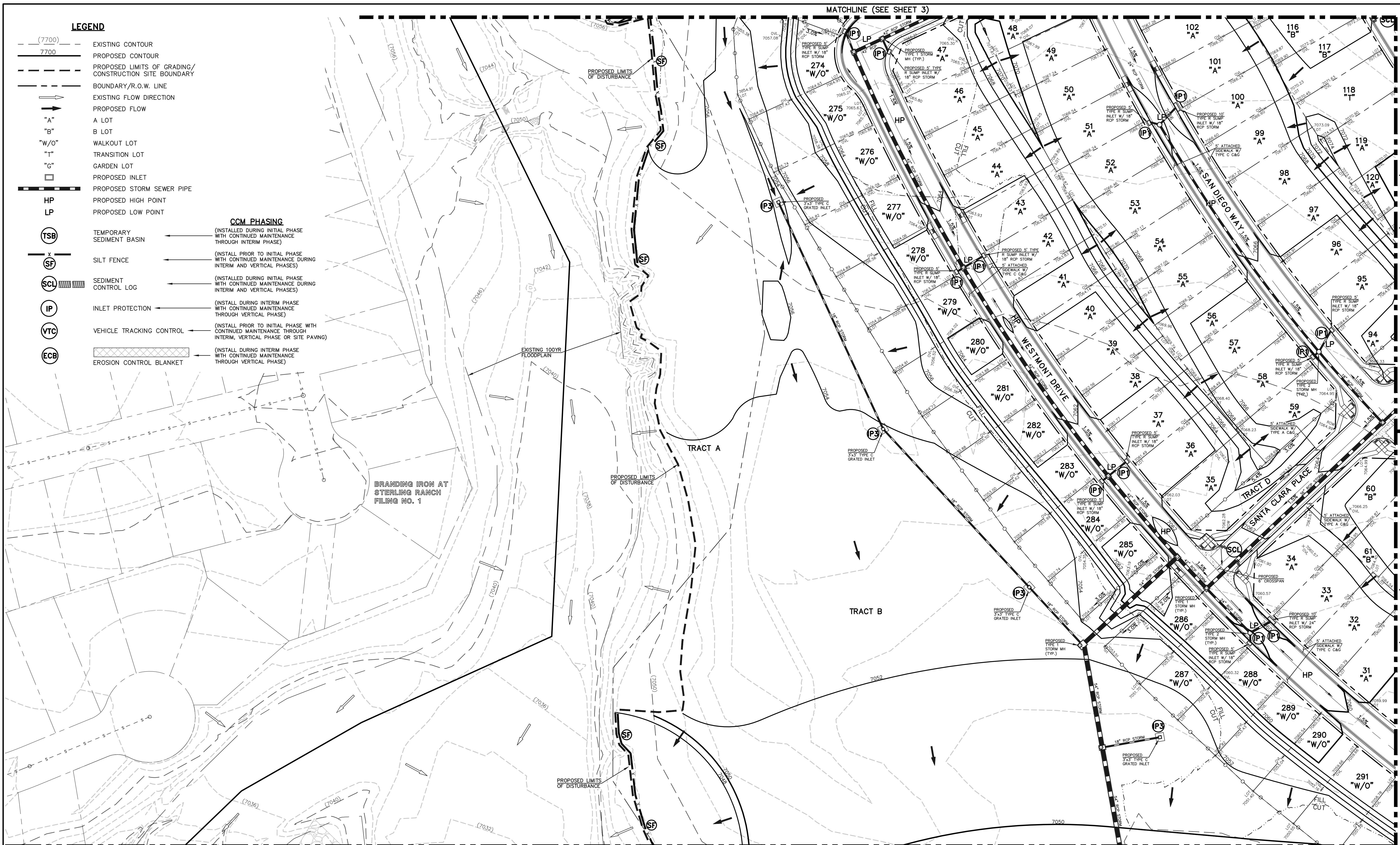
STERLING RANCH EAST FILING NO. 1  
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GRADING AND EROSION CONTROL PLAN

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	

CLASSIC CONSULTING

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*Kyle R. Campbell*  
KYLE R. CAMPBELL  
29794  
PROFESSIONAL ENGINEER

02/28/24  
DATE



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CONSTRUCTION PLANS  
GRADING AND EROSION CONTROL PLAN

DESIGNED BY MES SCALE DATE 08/31/22

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

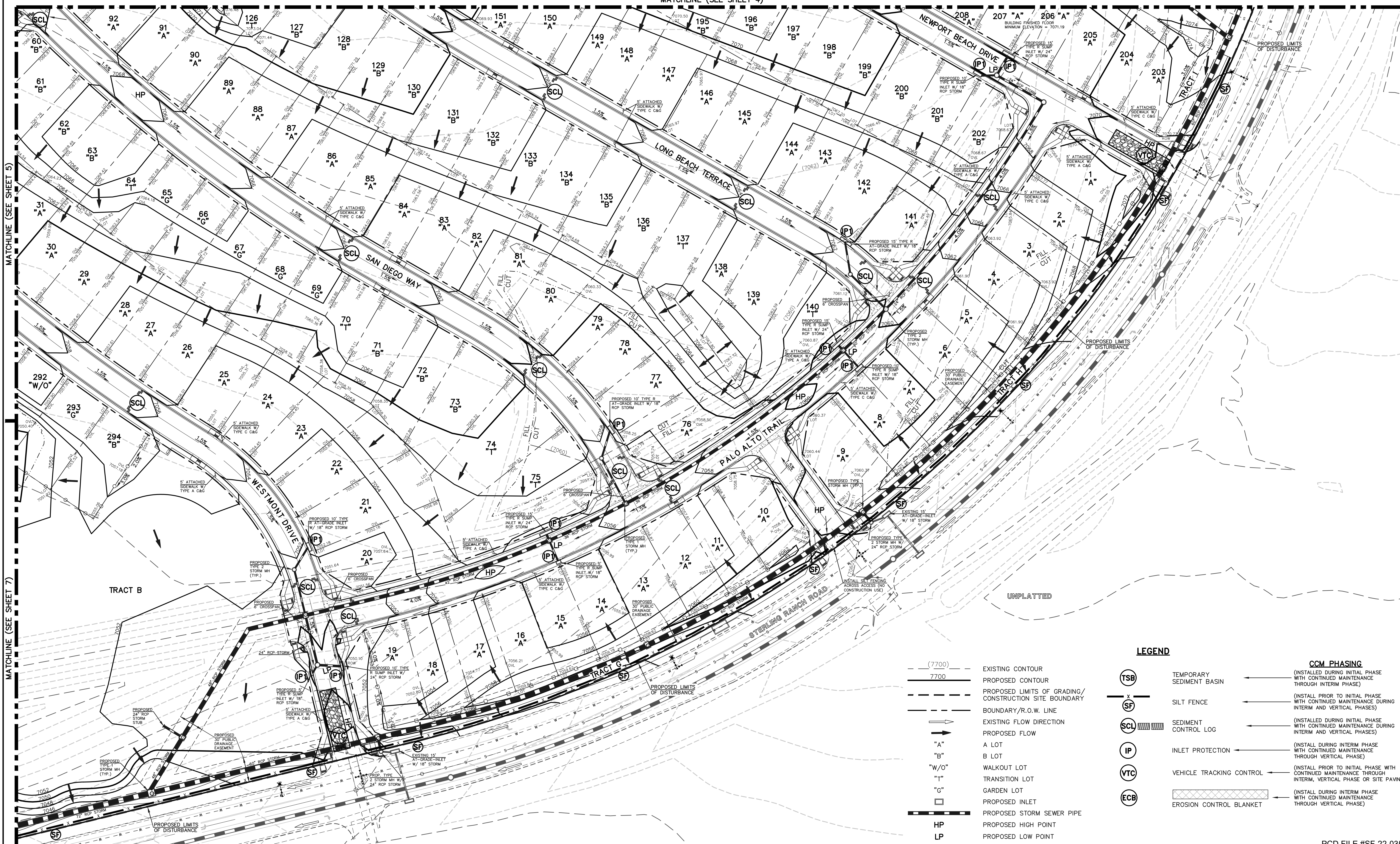
PCD FILE #SF-22-035

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MATCHLINE (SEE SHEET 4)

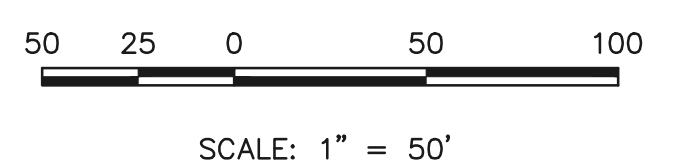
MATCHLINE (SEE SHEET 5)

MATCHLINE (SEE SHEET 7)



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*Kyle R. Campbell*  
KYLE R. CAMPBELL, LICENSED PROFESSIONAL ENGINEER 29794

02/28/24  
DATE



PCD FILE #SF-22-035

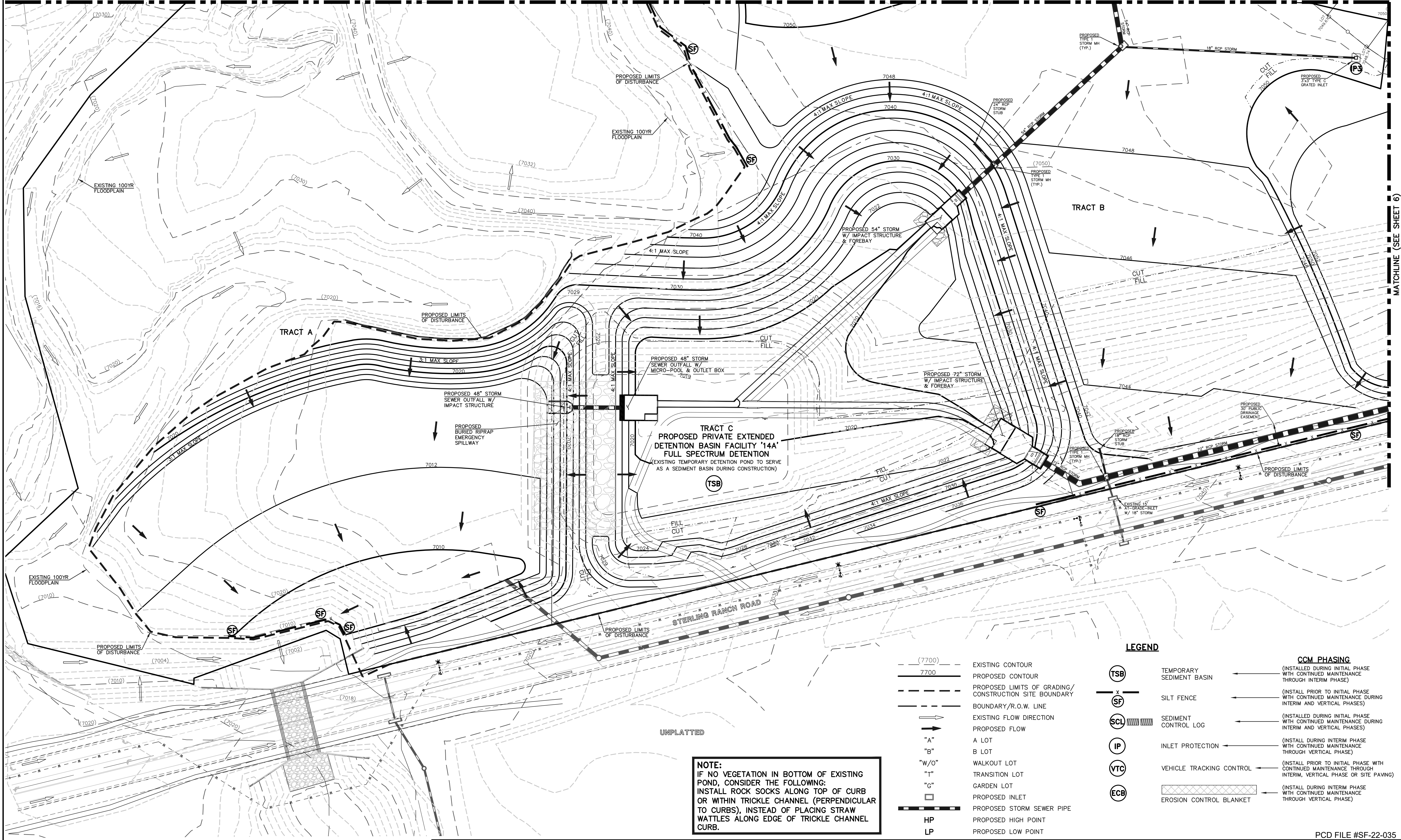
**STERLING RANCH EAST FILING NO. 1**  
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DESIGNED BY	MES	SCALE	DATE	08/31/22
DRAWN BY	MES	(H) 1" = 50'	SHEET	6 OF 53
CHECKED BY	(V) 1" = N/A	JOB NO.	1183.30	



MATCHLINE (SEE SHEET 5)

MATCHLINE (SEE SHEET 6)

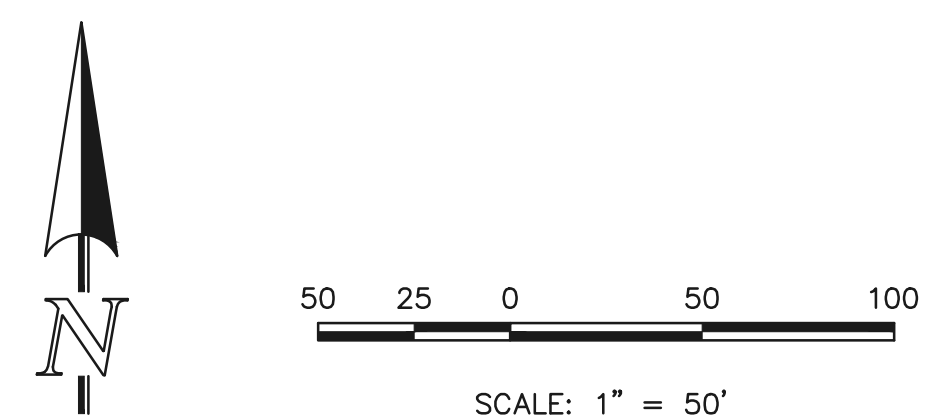


**NOTE:**  
 IF NO VEGETATION IN BOTTOM OF EXISTING POND, CONSIDER THE FOLLOWING:  
 INSTALL ROCK SOCKS ALONG TOP OF CURB OR WITHIN TRICKLE CHANNEL (PERPENDICULAR TO CURBS), INSTEAD OF PLACING STRAW WATTLES ALONG EDGE OF TRICKLE CHANNEL CURB.

LEGEND		CCM PHASING	
(7700)	EXISTING CONTOUR	(TSB)	TEMPORARY SEDIMENT BASIN
7700	PROPOSED CONTOUR	(SF)	SILT FENCE
---	PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY	(SCL)	SEDIMENT CONTROL LOG
---	BOUNDARY/R.O.W. LINE	(IP)	INLET PROTECTION
→	EXISTING FLOW DIRECTION	(VTC)	VEHICLE TRACKING CONTROL
→	PROPOSED FLOW	(ECB)	EROSION CONTROL BLANKET
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 KYLE R. CAMPBELL, P.E., P.S.  
 29794  
 COLORADO LICENSED SURVEYOR  
 02/28/24  
 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 7 OF 53
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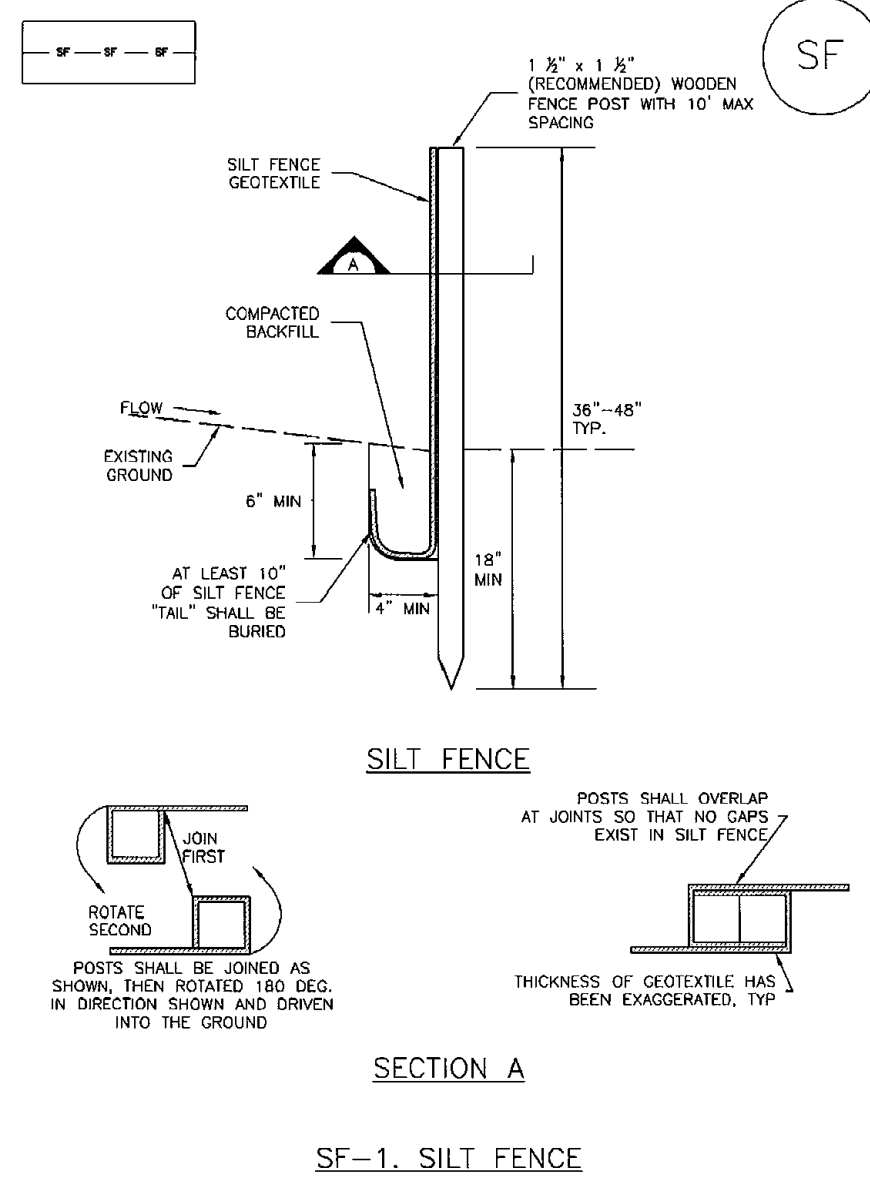






**Silt Fence (SF)**

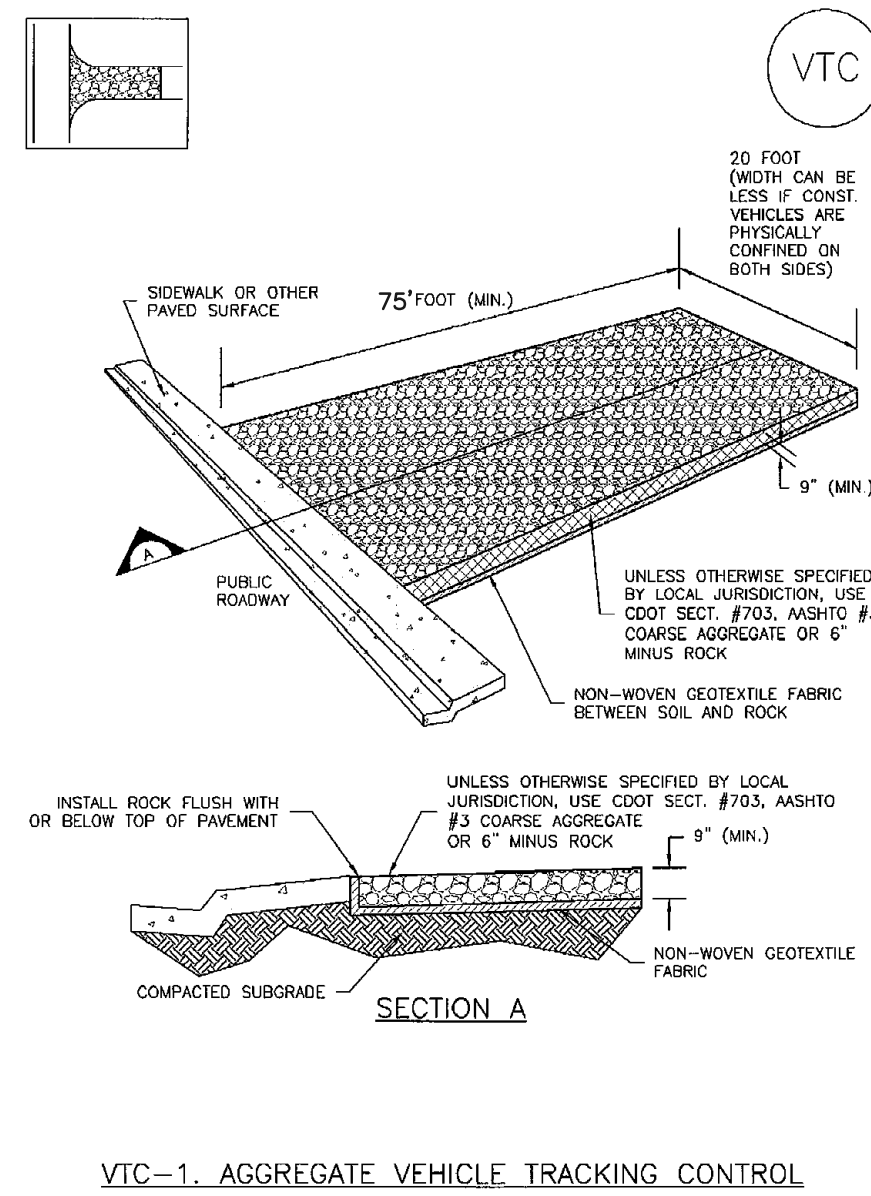
**SC-1**



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

**Vehicle Tracking Control (VTC)**

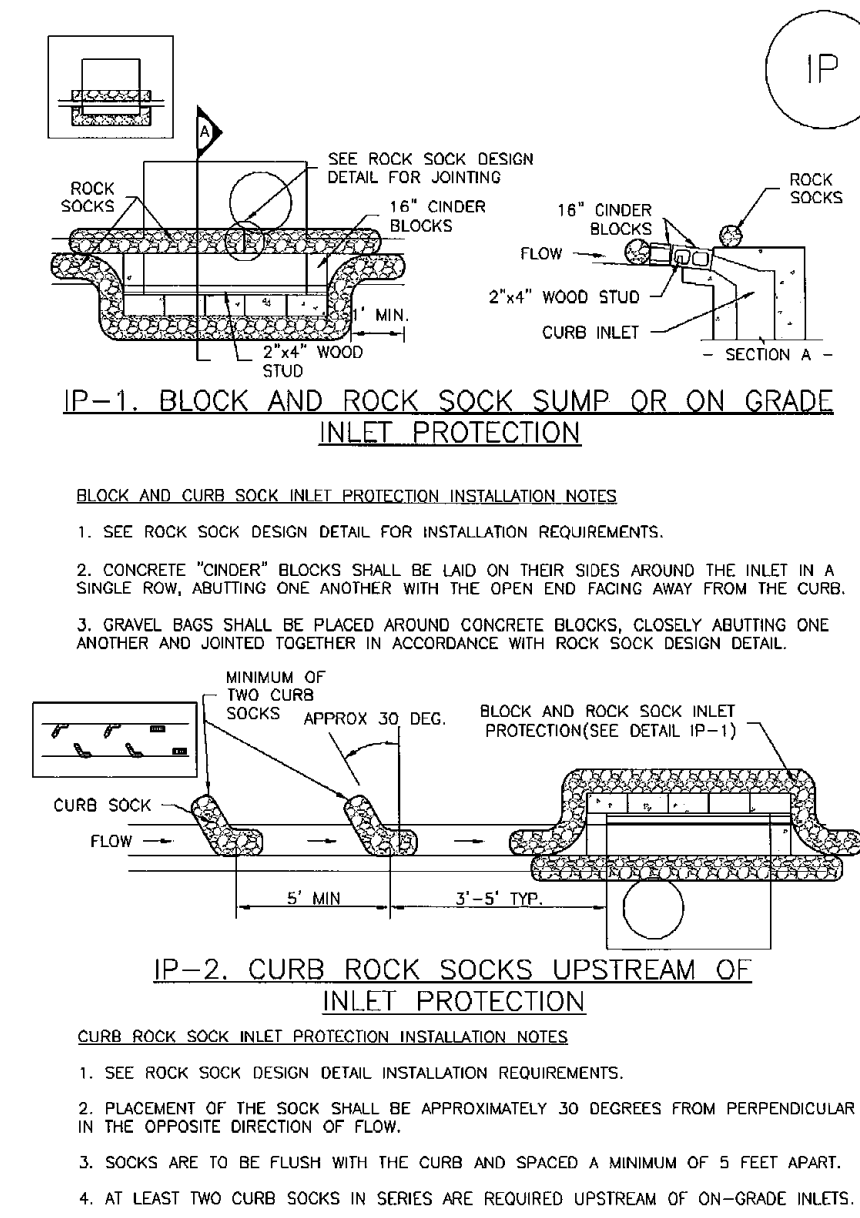
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November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

**SC-6**

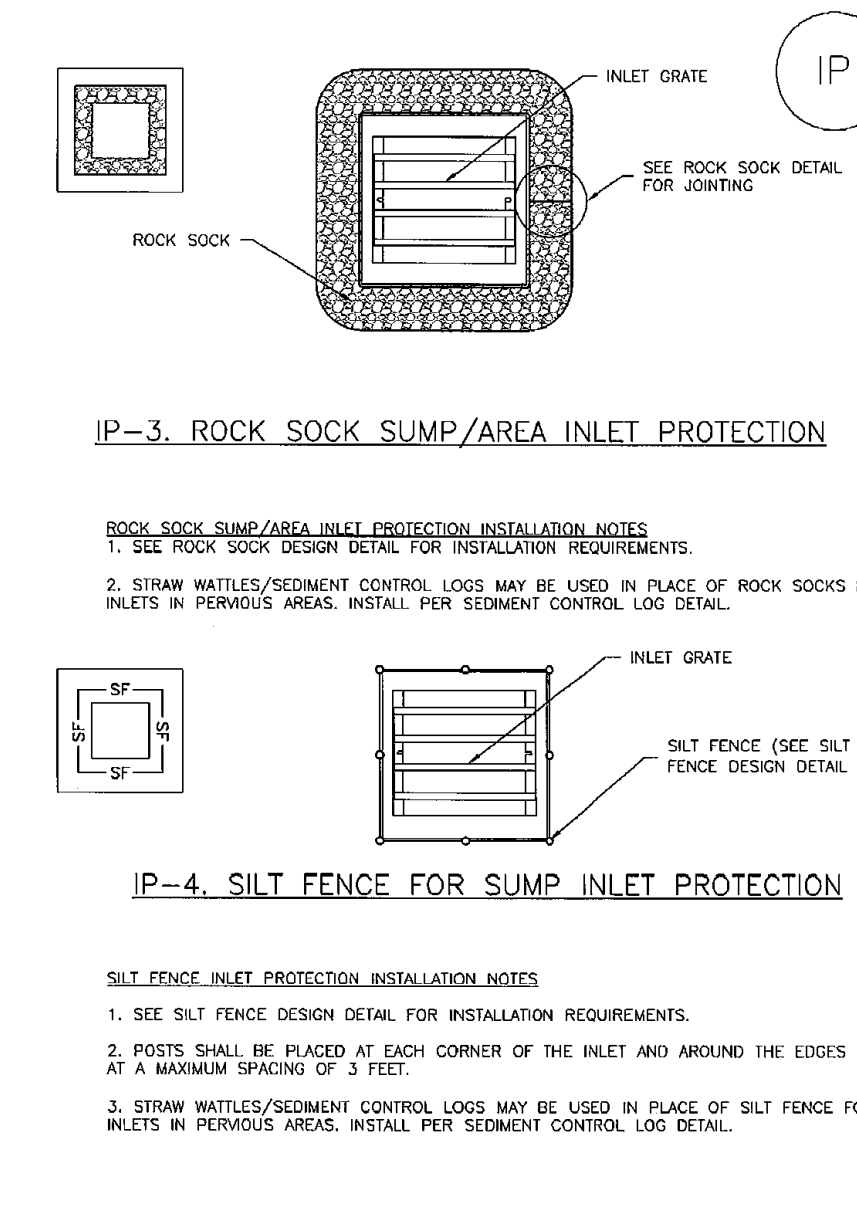
**Inlet Protection (IP)**



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

**Inlet Protection (IP)**

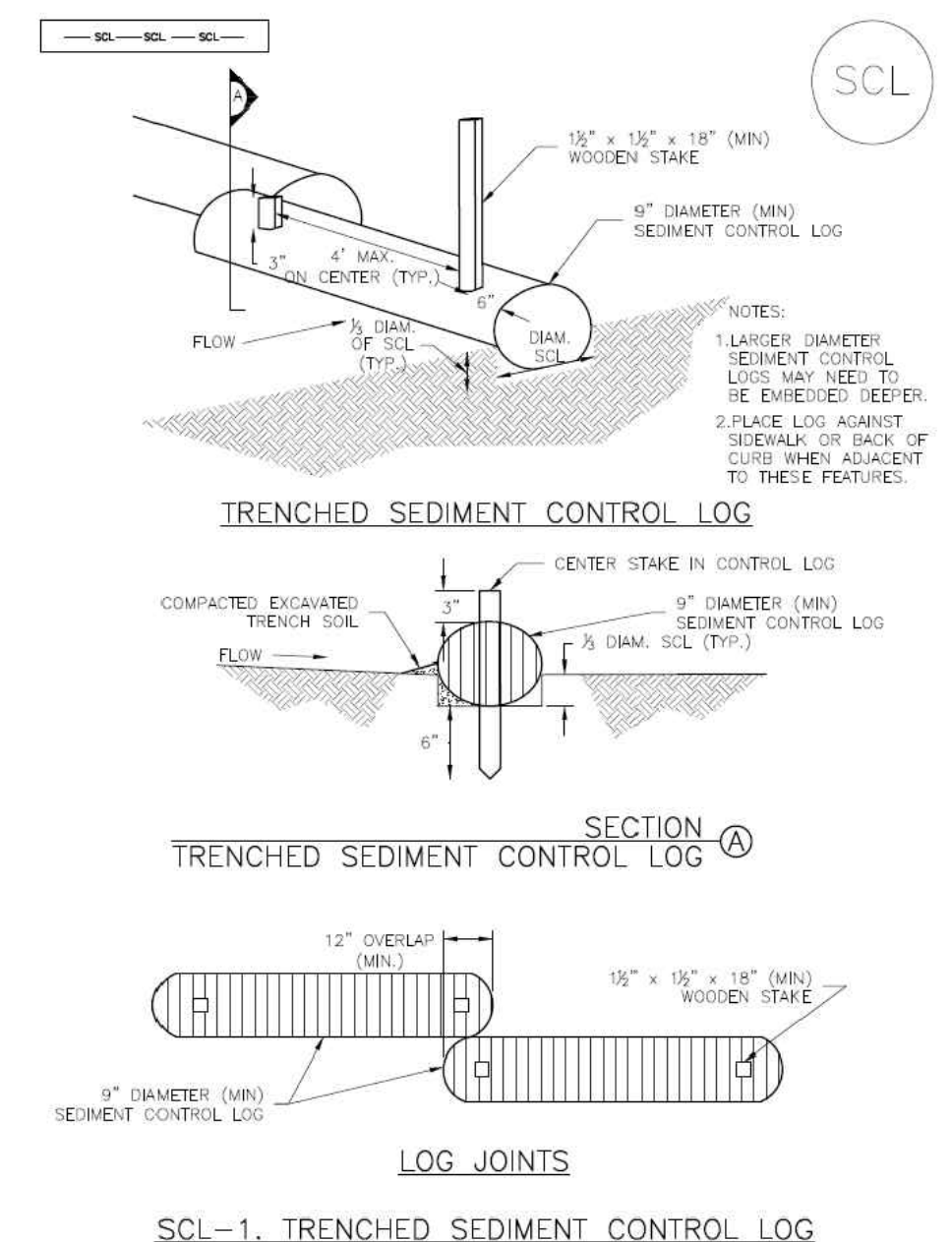
**SC-6**



August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-5

**Sediment Control Log (SCL)**

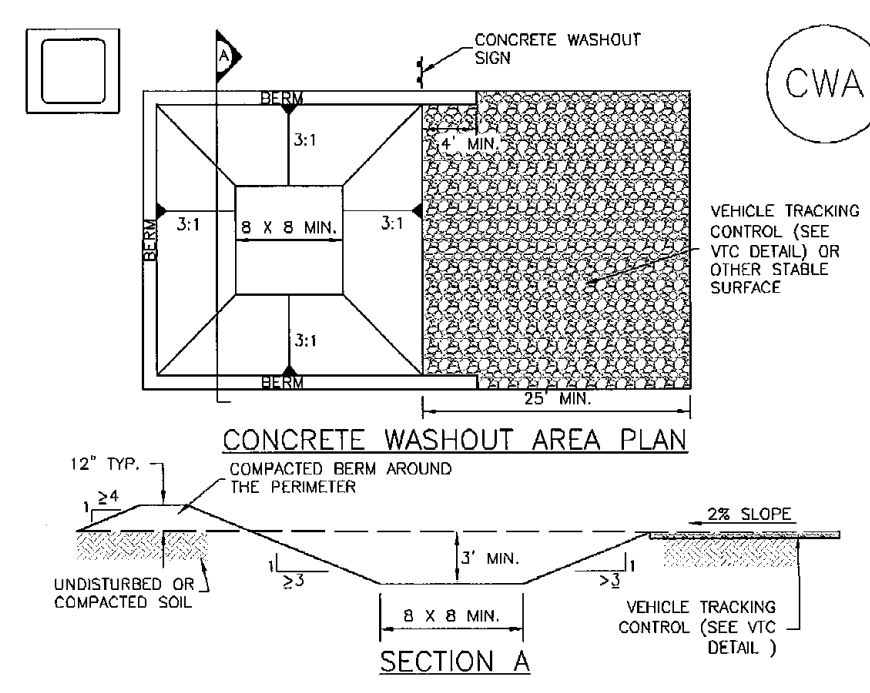
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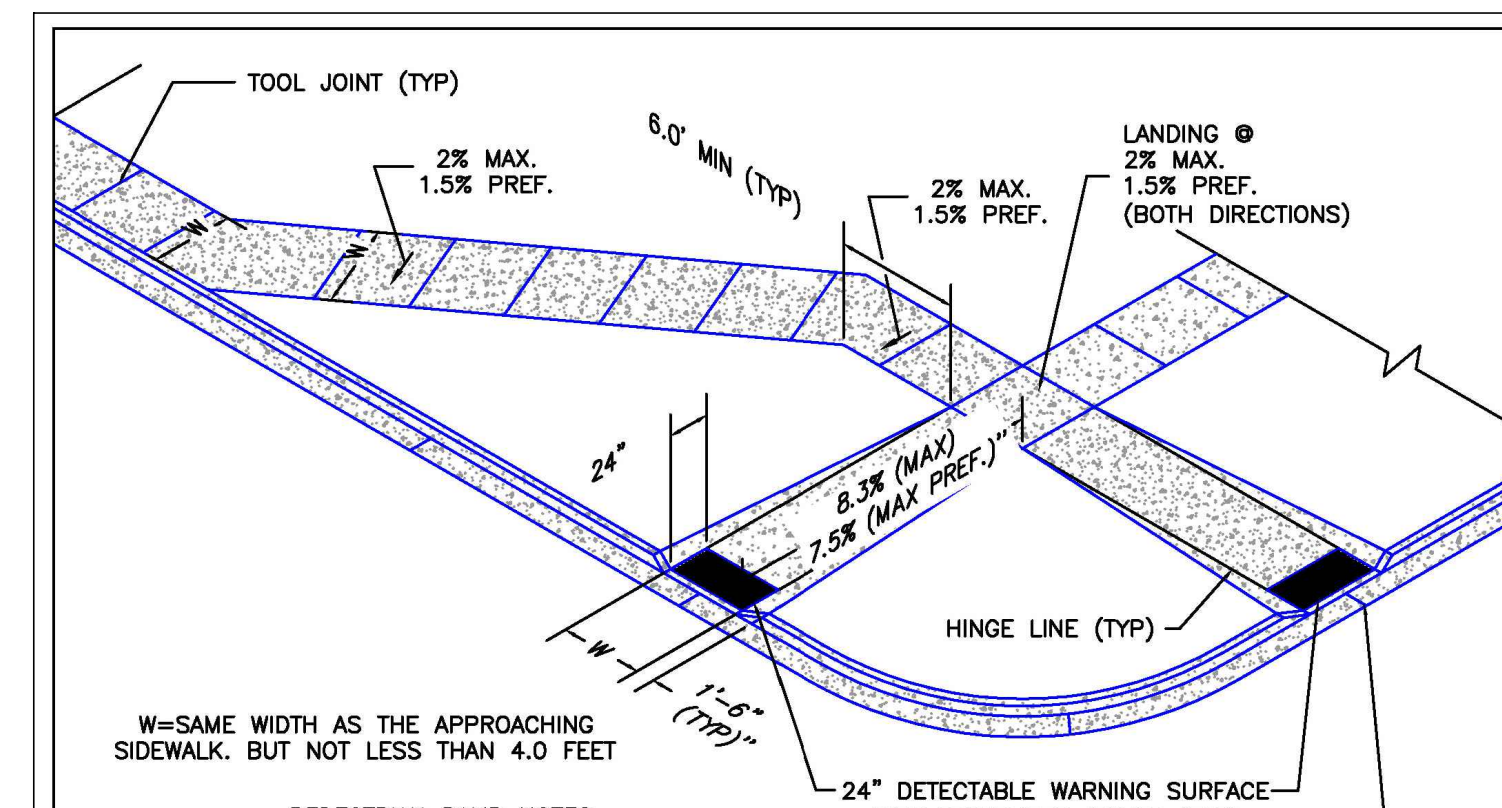
November 2015 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-3

**Concrete Washout Area (CWA)**

**MM-1**



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

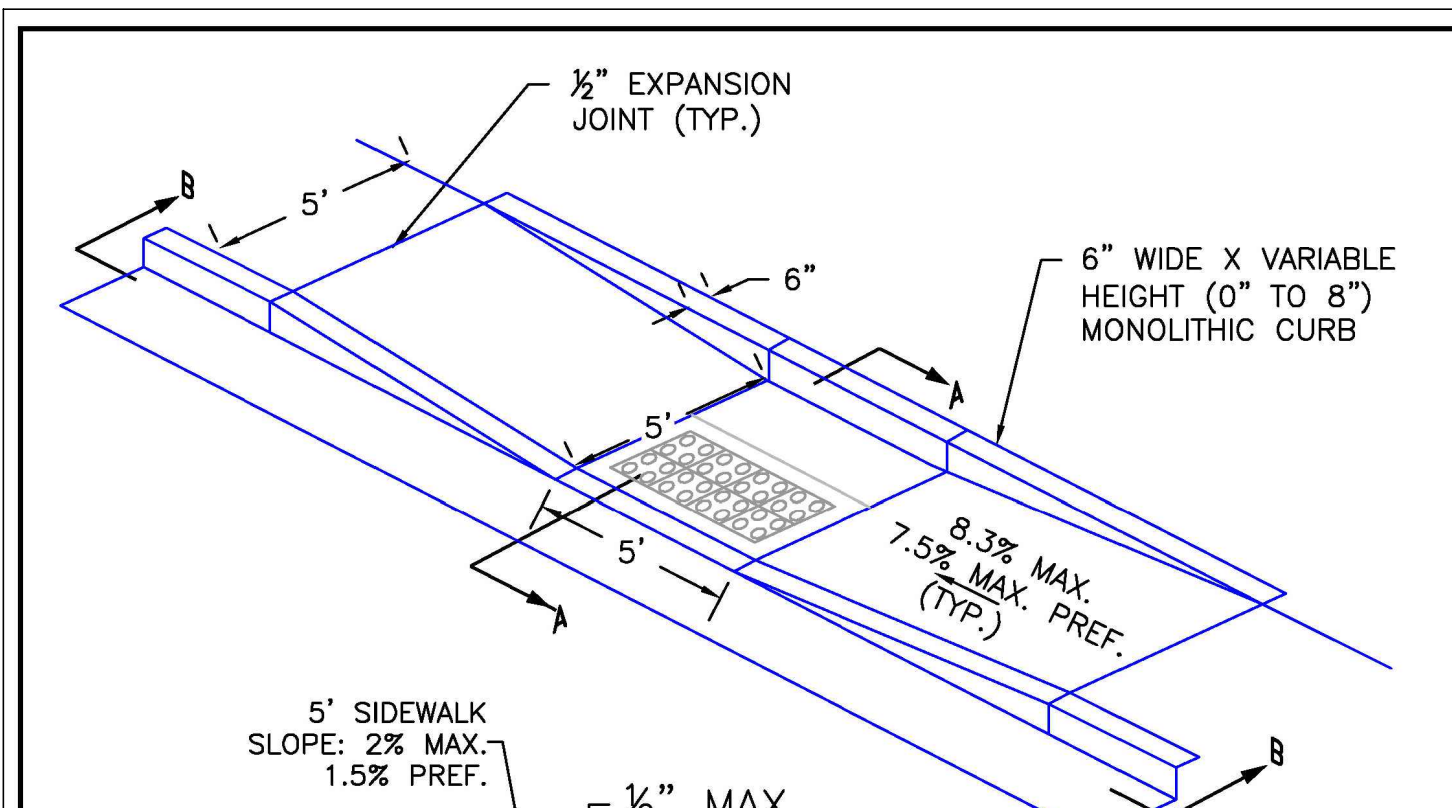


- PEDESTRIAN RAMP NOTES**
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ENGINEERING CRITERIA MANUAL AND ADA REQUIREMENTS.
  2. CONTRACTOR TO NOTIFY ENGINEERING DIVISION INSPECTION STAFF 48 HOURS PRIOR TO CONCRETE PLACEMENT.
  3. PEDESTRIAN CURB RAMP CONSTRUCTION SHALL BE A MINIMUM 4,500 PSI CONCRETE, MINIMUM 4" THICK, NON-COLORED, NON-SCORED, COARSE BROOM FINISH.
  4. PEDESTRIAN CURB RAMP LOCATION AND LENGTH MAY REQUIRE MODIFICATION TO MAINTAIN THE 8.3% MAXIMUM RUNNING RAMP SLOPE DUE TO STREET INTERSECTION GRADES AND/OR ALIGNMENTS. SEE EGM SECTION 6.3.6 FOR PEDESTRIAN PUSHBUTTON LOCATION REQUIREMENTS.
  5. DETECTABLE WARNING SURFACE SHALL START A MINIMUM OF 6" BUT NOT MORE THAN 8" FROM THE FLOWLINE OF THE CURB AT ANY POINT.
  6. DETECTABLE WARNING SURFACE SHALL BE PREFABRICATED, CAST IRON (PATINA NATURAL FINISH) AND IN ACCORDANCE WITH EGM CHAPTER 6 AND SD-2-42. THERMOPLASTIC TRUNCATED DOMES AND PAVERS WILL NOT BE ACCEPTED.
  7. THE DETECTABLE WARNING SURFACE SHALL BE 24" IN LENGTH AND THE FULL WIDTH OF THE RAMP.
  8. PEDESTRIAN CURB RAMP WIDTH REQUIRED IS SAME AS APPROACHING SIDEWALK, 4' MINIMUM.
  9. ALL PEDESTRIAN CURB RAMPS WILL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF MID-BLOCK OR TERMINAL RAMPS WHICH MAY BE PARALLEL SUBJECT TO APPROVAL.
  10. DRAINAGE STRUCTURES, TRAFFIC SIGNAL/SIGNAGE, UTILITIES/JUNCTION BOXES, OR OTHER OBSTRUCTIONS WITHIN PROPOSED PEDESTRIAN CURB RAMP AREAS AND LANDINGS ARE PROHIBITED.
  11. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A RAMP SHALL NOT EXCEED 5%.

6/23/20  
DATE APPROVED:  
Jennifer E. Irvine  
DEPARTMENT OF PUBLIC WORKS

6/23/20  
REVISION DATE:  
6/23/20  
FILE NAME:  
SD\_2-41

DEPARTMENT OF PUBLIC WORKS



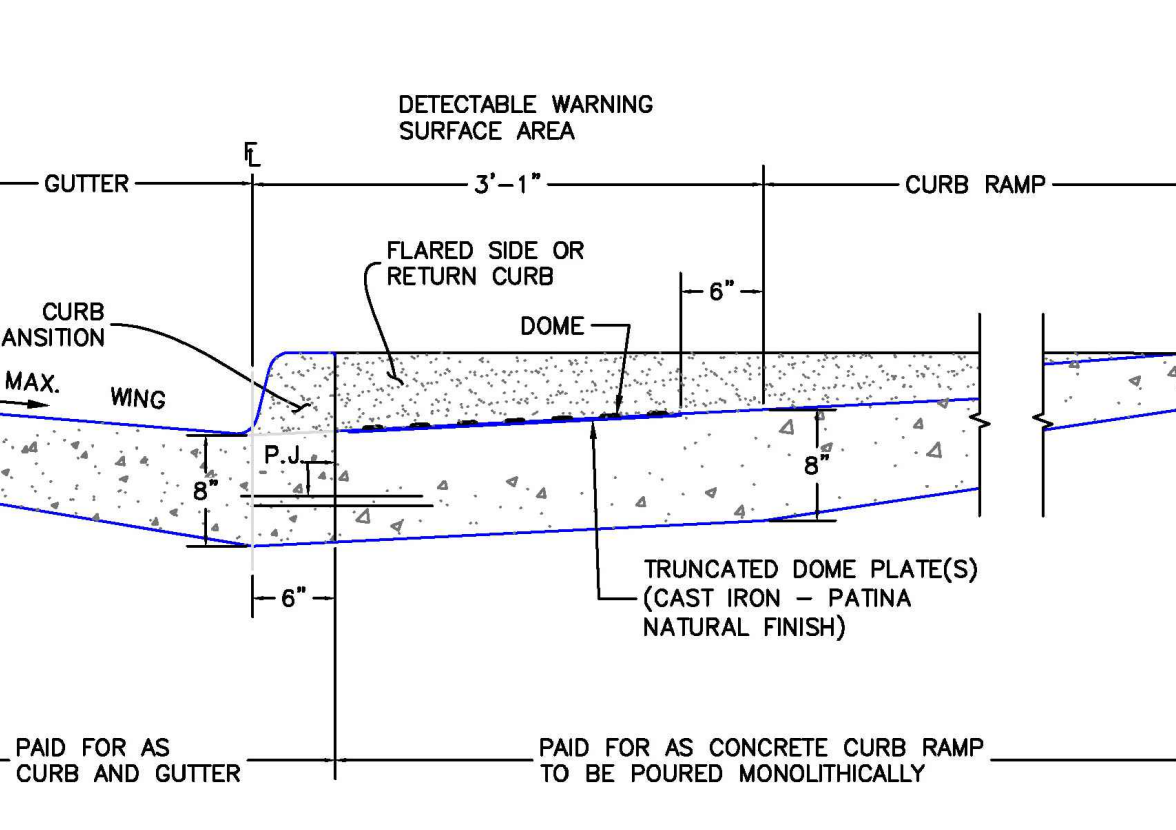
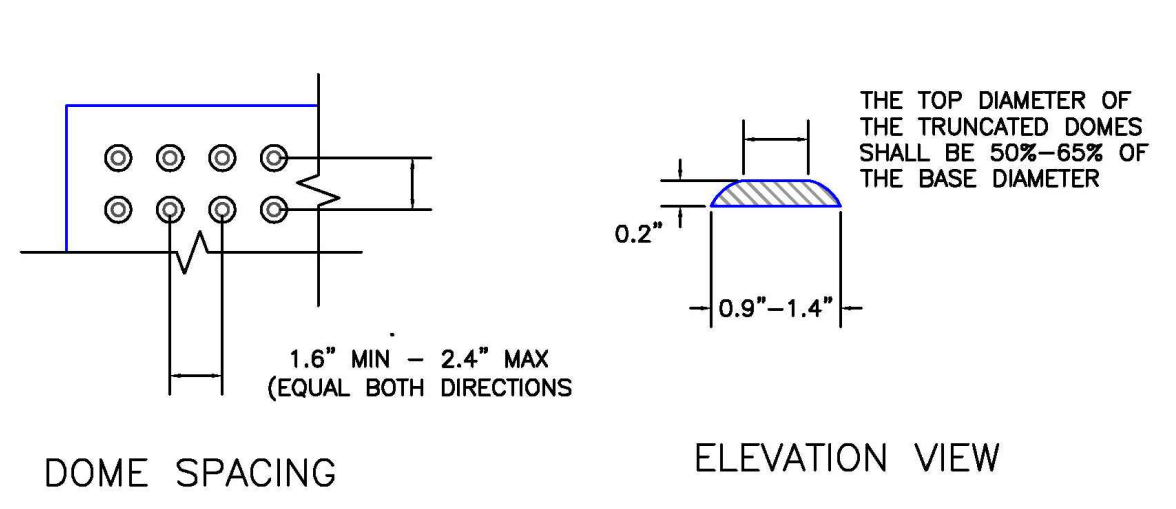
- GENERAL NOTES**
1. WHERE THE 1'-6" FLARED SIDES OF A PERPENDICULAR CURB RAMP IS (ARE) CONTIGUOUS WITH A PEDESTRIAN OR HARD SURFACE AREA (PEDESTRIAN CIRCULATION PATH), THE MAXIMUM FLARE SLOPE SHALL NOT EXCEED 10%.
  2. PEDESTRIAN WALKWAY (PEDESTRIAN ACCESS ROUTE) AND/OR LOCATION OF EXISTING OR FUTURE PEDESTRIAN RAMPS ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMPS.
  3. AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMPS, EXCLUSIVE OF THE FLARE SIDES, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.

6/23/20  
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6/23/20  
FILE NAME:  
SD\_2-50

DEPARTMENT OF PUBLIC WORKS

**TRUNCATED DOME DETAILS**



P.J. = PERMISSIBLE JOINT WITH EPOXY-COATED DEFORMED NO. 4 BARS CONFORMING TO AASHTO M 284 AT 18" IN. SPACING

**SIDE CROSS SECTION VIEW OF DETECTABLE WARNING SURFACE, CURB AND GUTTER**

6/23/20  
DATE APPROVED:  
Jennifer E. Irvine  
DEPARTMENT OF PUBLIC WORKS

6/23/20  
REVISION DATE:  
6/23/20  
FILE NAME:  
SD\_2-42

DEPARTMENT OF PUBLIC WORKS

**Concrete Washout Area (CWA)**

- MM-1**
- CWA MAINTENANCE NOTES**
1. INSPECT BAYS EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BAYS SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BAYS AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BAYS IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  3. WHERE BAYS HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
  5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
  6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
  7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM BOULDER COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)  
NOTE: MANY JURISDICTIONS HAVE THEIR OWN DETAILS THAT VARY FROM USDCS STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

48 HOURS BEFORE YOU DIG,  
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**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  
PROFESSIONAL ENGINEER  
#29794

02/28/24  
DATE

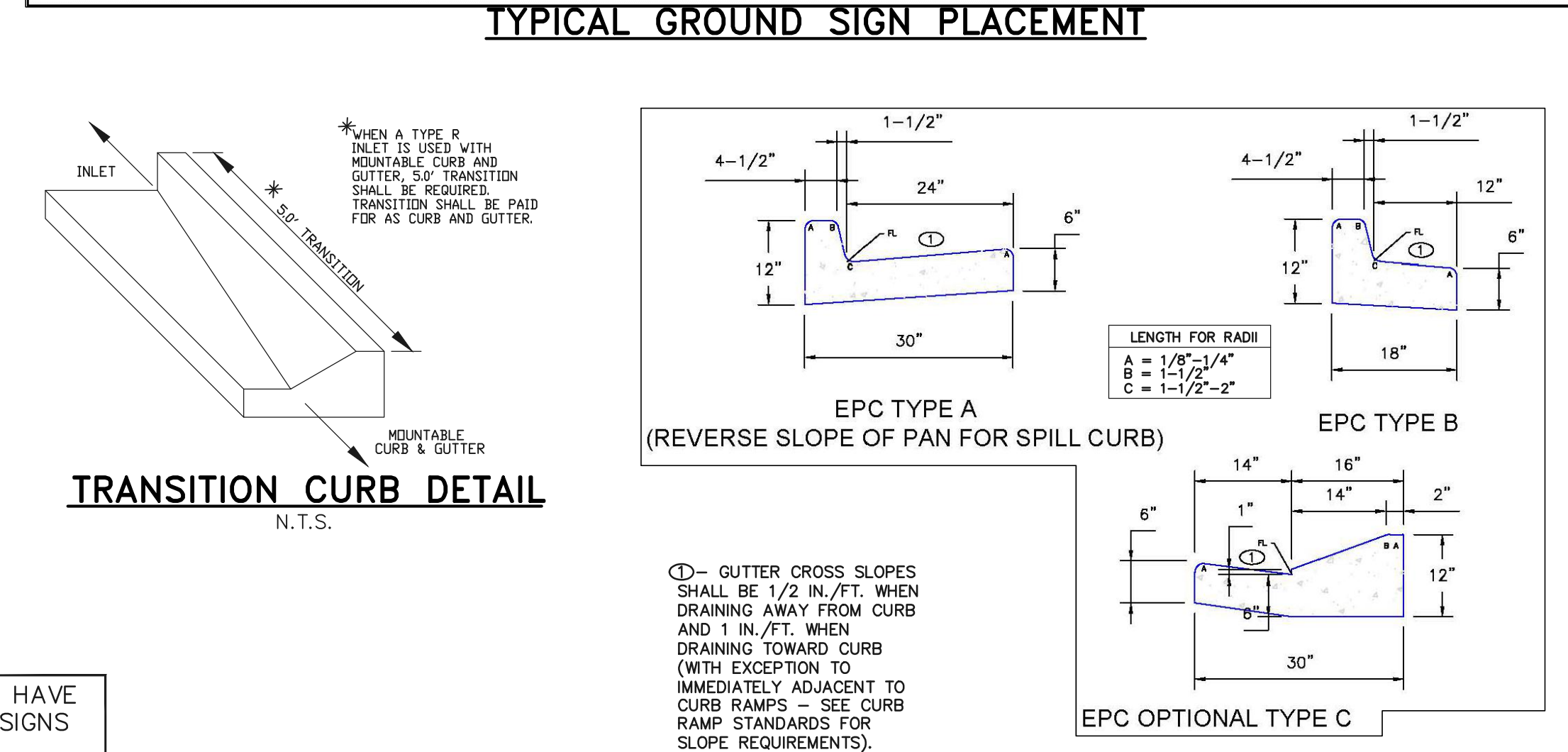
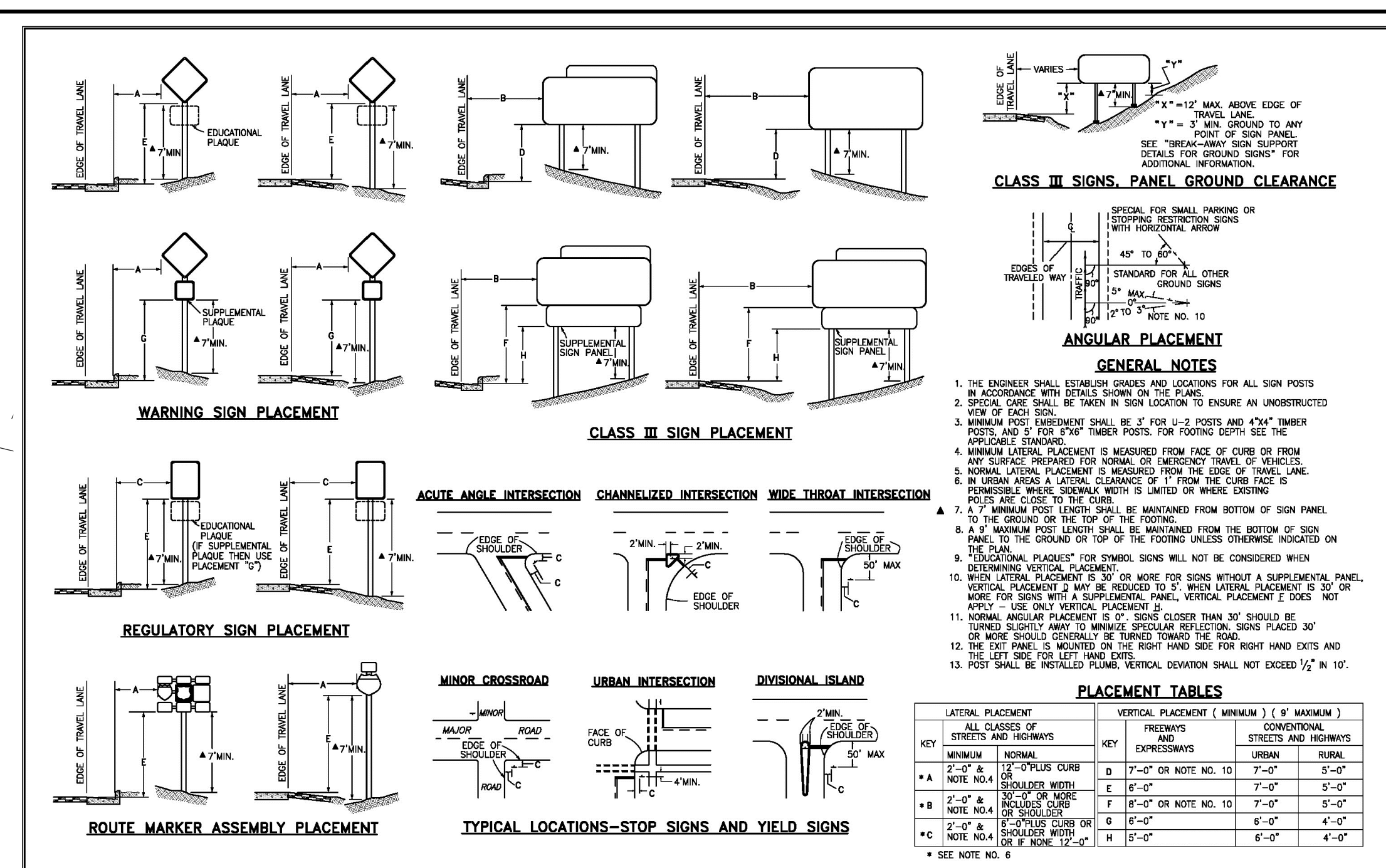
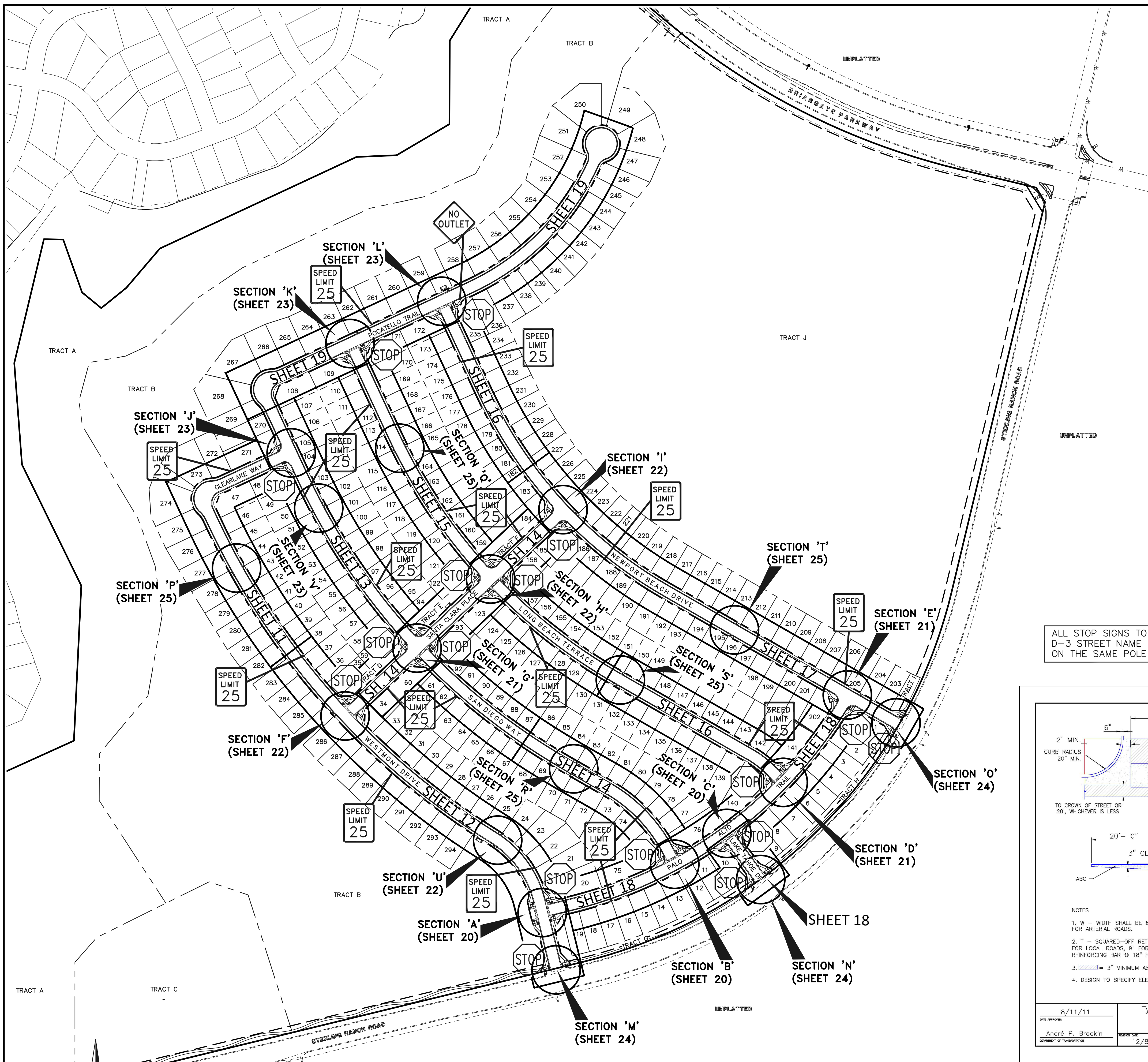
**CLASSIC CONSULTING**

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

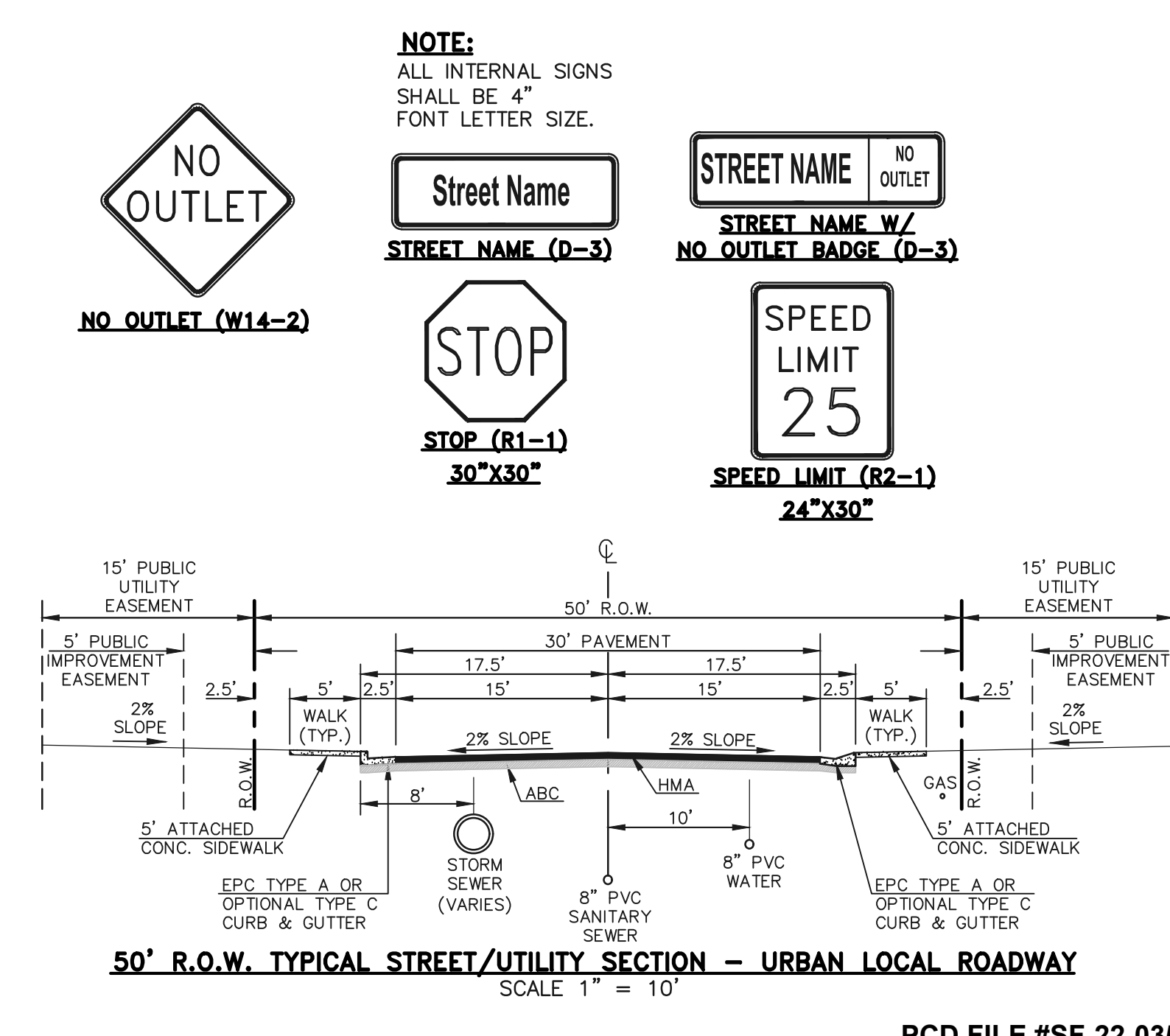
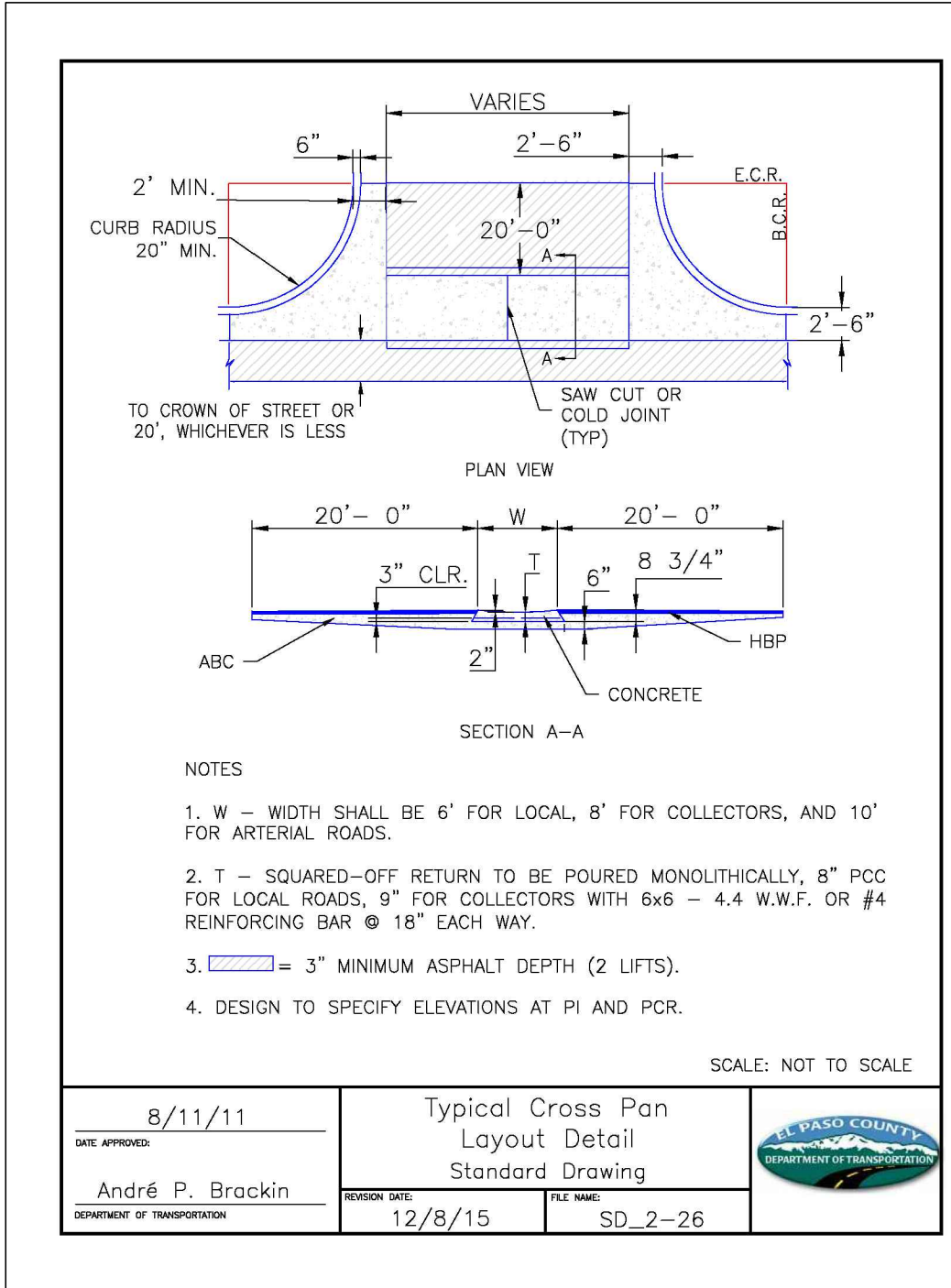
619 N. Cascade Avenue, Suite 200 (719)785-0790  
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

PCD FILE #SF-22-035



ALL STOP SIGNS TO HAVE D-3 STREET NAME SIGNS ON THE SAME POLE

**CURB AND GUTTER DETAILS**



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KYLE R. CAMPBELL

29794

PROFESSIONAL ENGINEER

02/28/24

DATE

**CLASSIC CONSULTING**

STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS

KEY MAP WITH TYPICAL STREET SECTIONS

DESIGNED BY: MES

SCALE: (H) 1" = N/A

DATE: 08/31/22

DRAWN BY: MES

(V) 1" = N/A

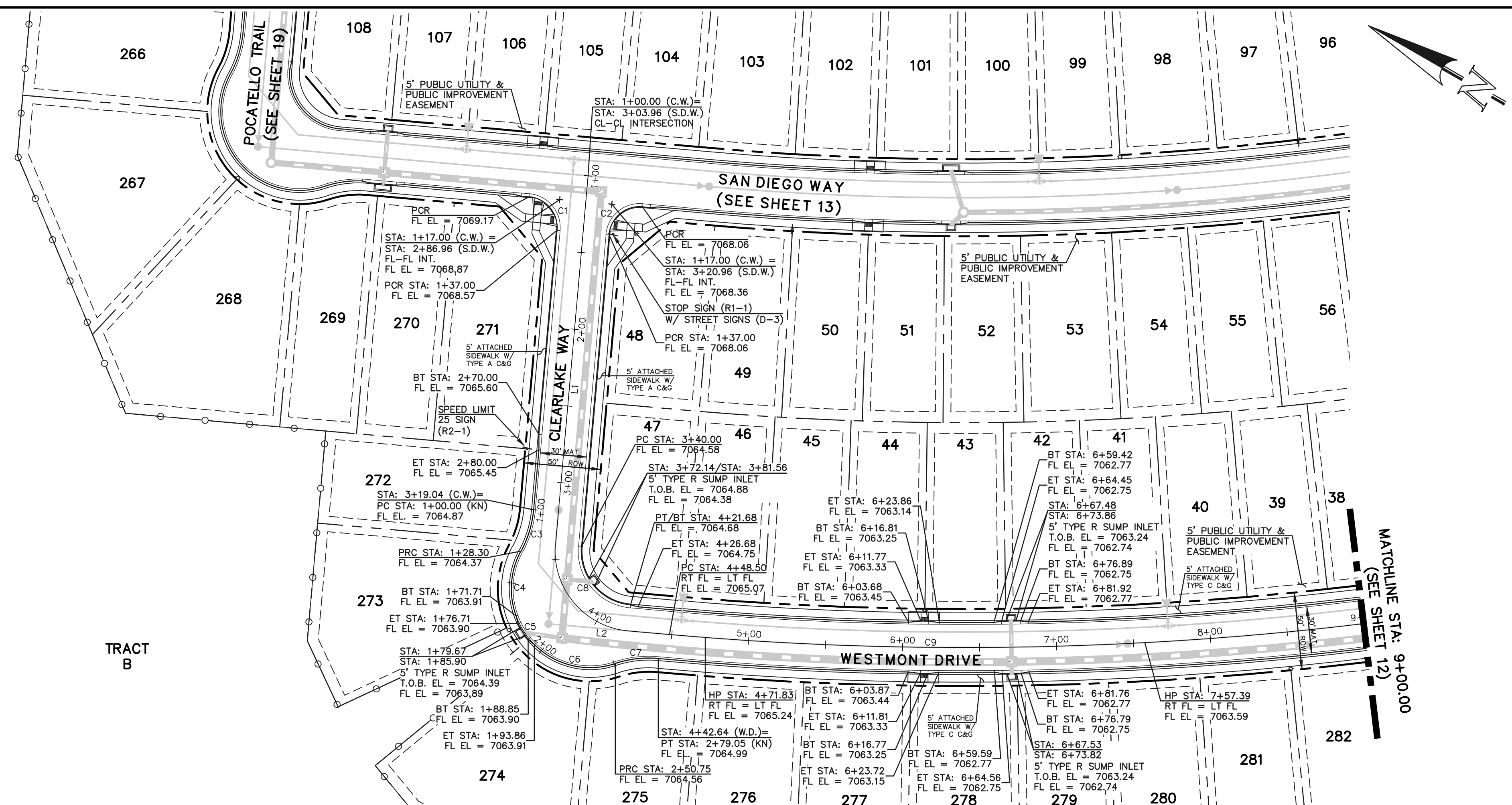
SHEET 10 OF 53

CHECKED BY:

JOB NO. 1183.30

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

(719) 785-0790  
(719) 785-0799 (Fax)



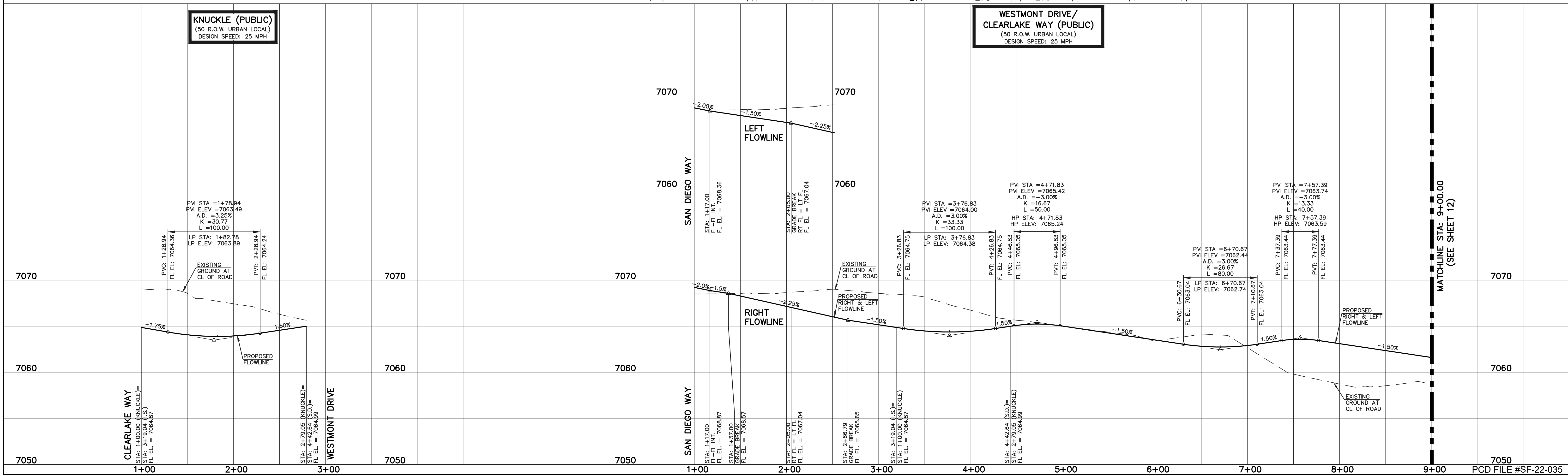
CENTERLINE LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	292.00	S65°02'48"W
L2	78.82	S24°57'12"E

CENTERLINE CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C9	1258.77	2176.00	33°08'40"

FLOWLINE CURVE TABLE			
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

**WESTMONT DRIVE/  
CLEARLAKE WAY (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**

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

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

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Colorado Springs, Colorado 80903

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

02/28/24

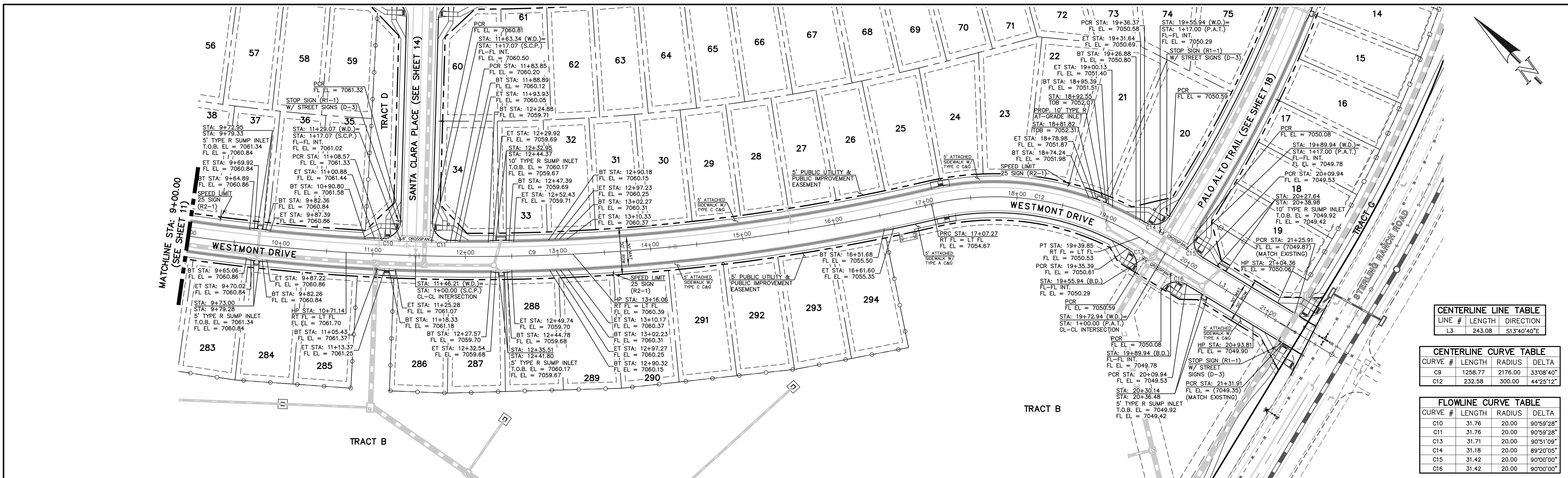
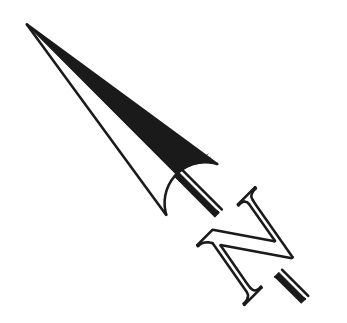
**STERLING RANCH EAST FILING NO. 1**  
CONSTRUCTION PLANS  
PUBLIC STREET IMPROVEMENT PLAN  
CLEARLAKE WAY/WESTMONT DR STA: 1+00-9+00

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\CONSTRUCT\CDM\STERLING\11-118330-9-02.dwg, 2/28/2024 10:16:53 AM, 11



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"



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

**LEGEND**

- BOUNDARY LINE
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- LIGHT POLE
- SIGN
- TYPE R INLET

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

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*Kyle R. Campbell*  
 KYLE R. CAMPBELL  
 PROFESSIONAL ENGINEER #29794

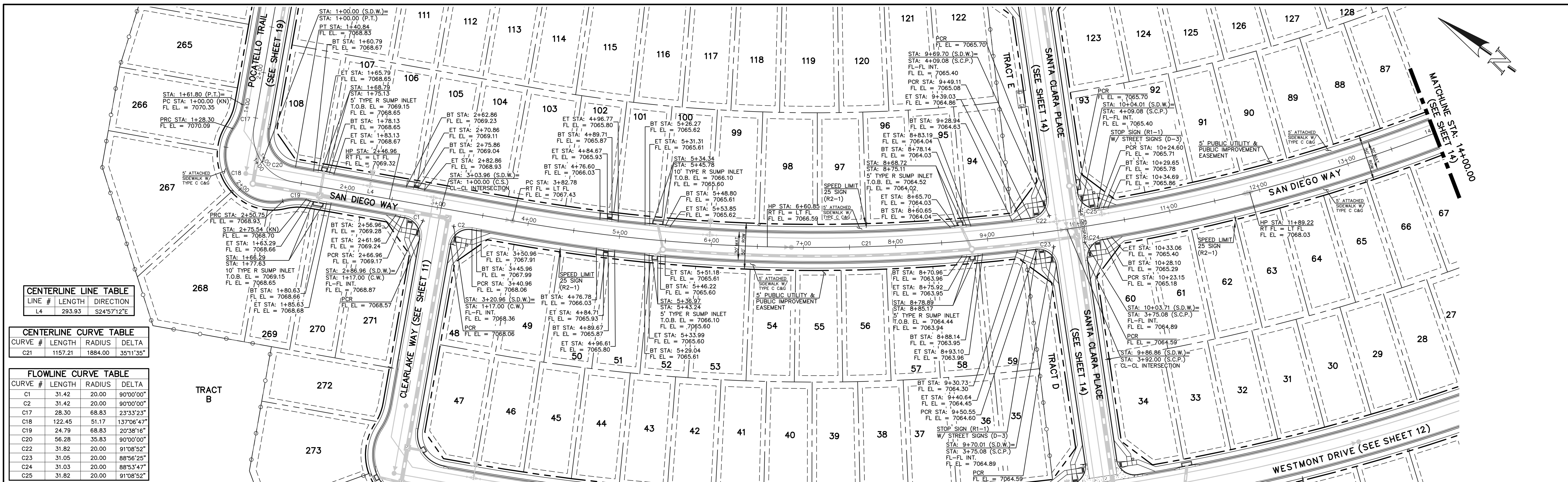
DATE: 02/28/24



STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 PUBLIC STREET IMPROVEMENT PLAN  
 WESTMONT 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	





**CENTERLINE LINE TABLE**

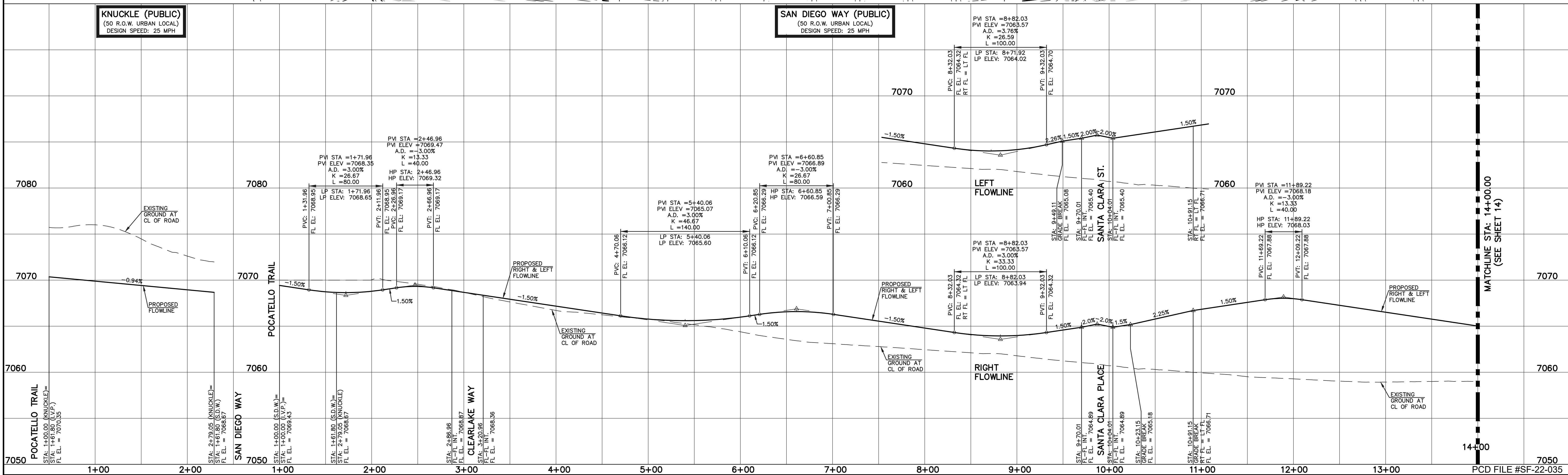
LINE #	LENGTH	DIRECTION
L4	293.93	S24°57'12"E

**CENTERLINE CURVE TABLE**

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

**FLOWLINE CURVE TABLE**

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"



**LEGEND**

- BOUNDARY LINE: - - - - -
- ROW LINE: - - - - -
- LOT LINE: - - - - -
- CURB & GUTTER: ————
- PED RAMP: [Symbol]
- LIGHT POLE: [Symbol]
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POCATELLO TRAIL	P.T.
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SANTA CLARA PLACE	S.C.P.
STERLING RANCH ROAD	S.R.R.

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**NO. REVISION** \_\_\_\_\_ **DATE** \_\_\_\_\_

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**CLASSIC CONSULTING**

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

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

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

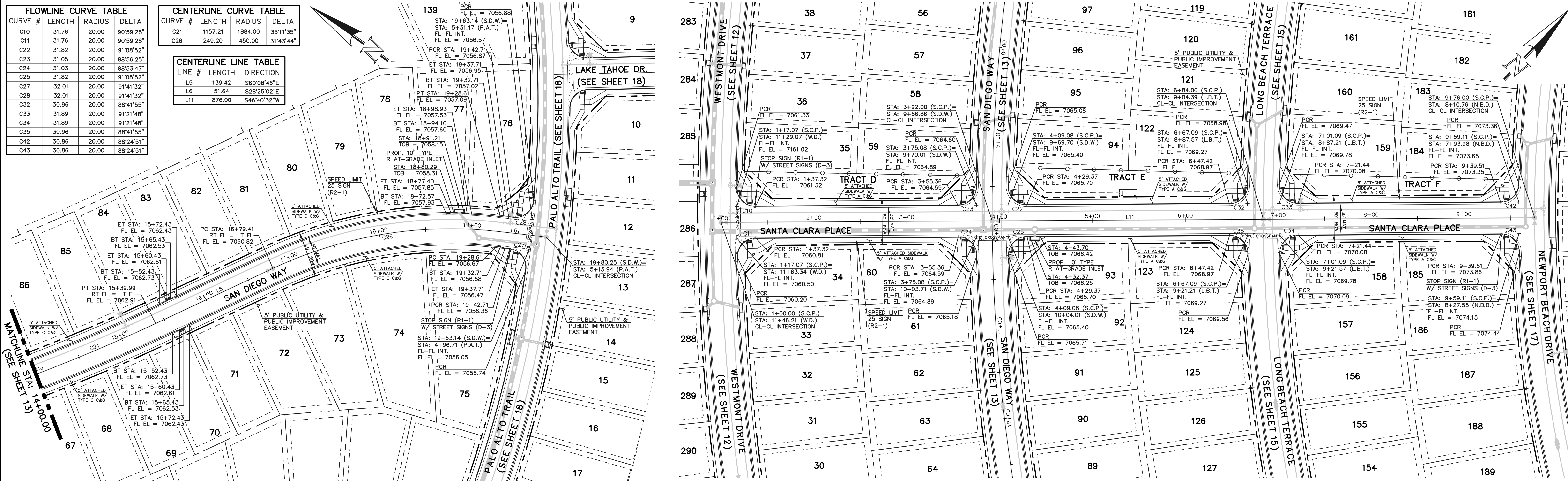
DATE: 02/28/24

KYLE R. CAMPBELL  
PROFESSIONAL ENGINEER  
#29794

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"

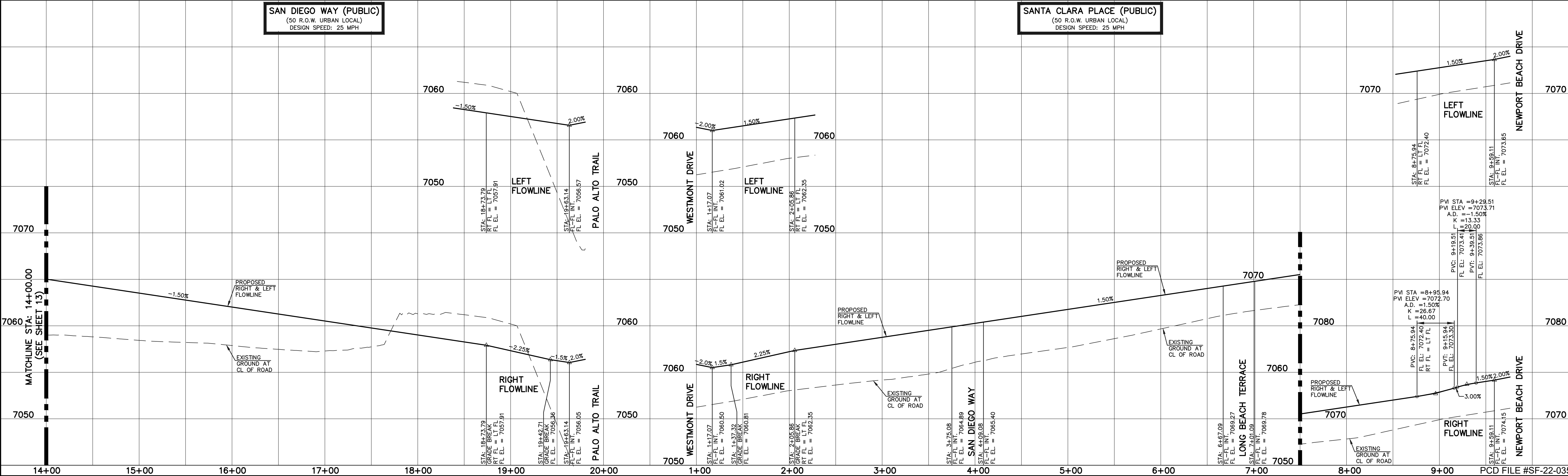
CENTERLINE CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C21	1157.21	1884.00	35°11'35"
C26	249.20	450.00	31°43'44"

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



**LEGEND**

- BOUNDARY LINE
- ROW LINE
- LOT LINE
- CURB & GUTTER
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- TYPE R INLET

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

**STREET ABBREVIATION INDEX**

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KYLE R. CAMPBELL  
 COLORADO LICENSED PROFESSIONAL ENGINEER #29794

02/28/24  
 DATE

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 Colorado Springs, Colorado 80903  
 (719) 785-0790  
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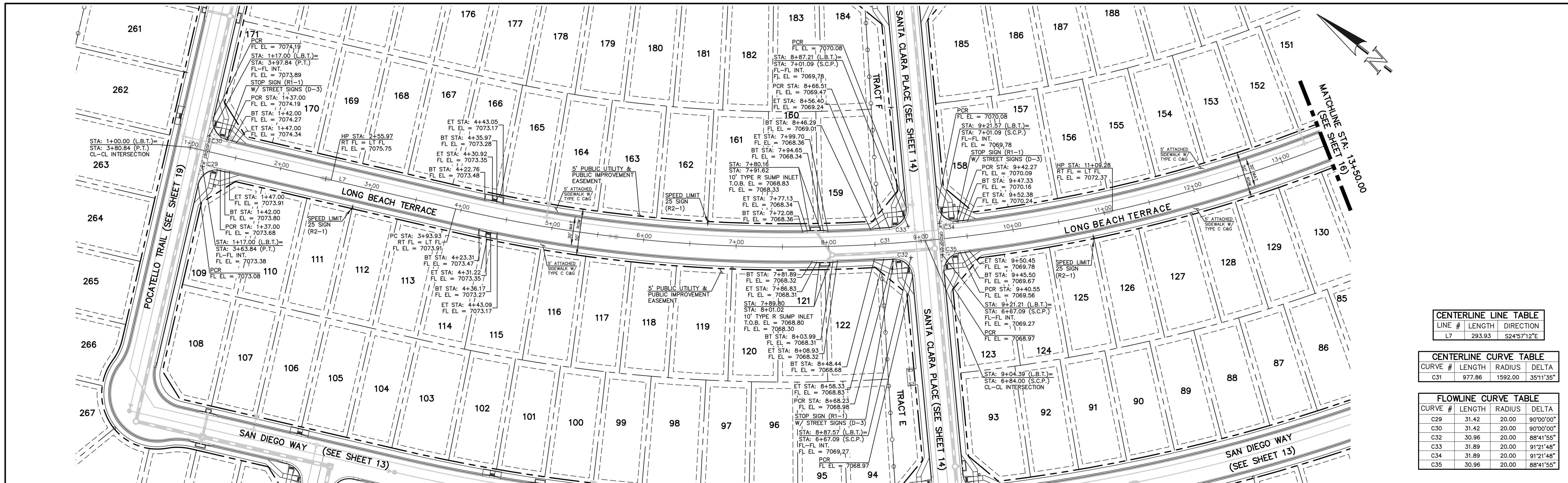
**STERLING RANCH EAST FILING NO. 1**

**CONSTRUCTION PLANS**

PUBLIC STREET IMPROVEMENT PLAN  
 SAN DIEGO WAY STA: 14+00-END/SANTA CLARA PL

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	

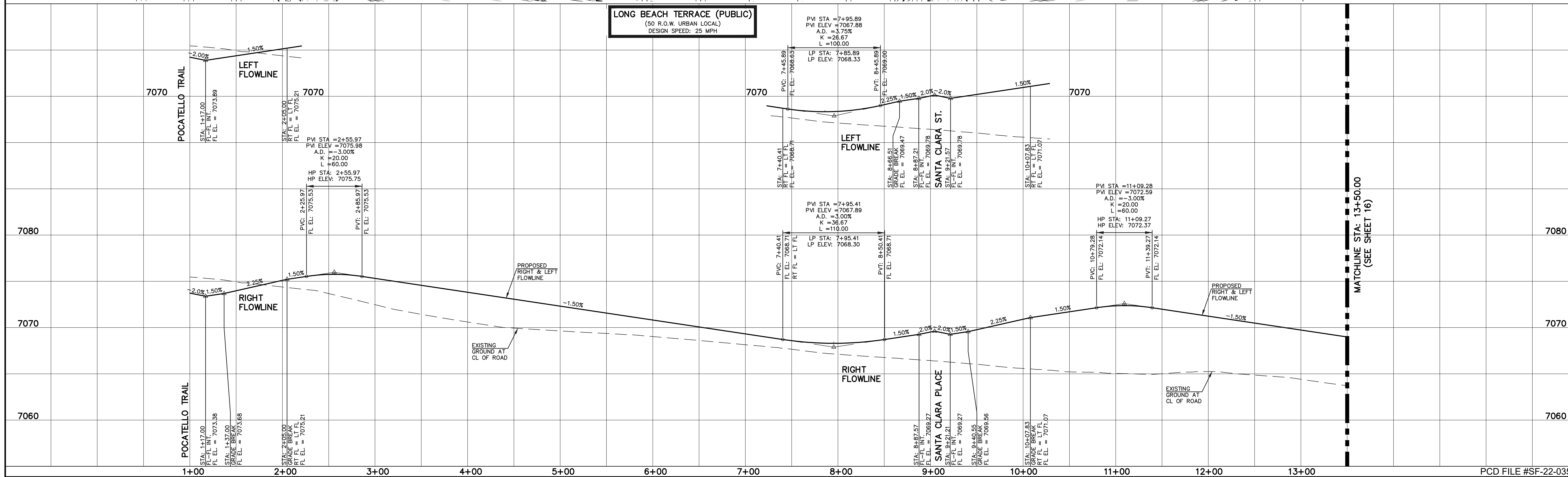
CLASSIC CONSULTING



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
C29	31.42	20.00	90°00'00"
C30	31.42	20.00	90°00'00"
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"



**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**

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

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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  
PROFESSIONAL ENGINEER  
#29794

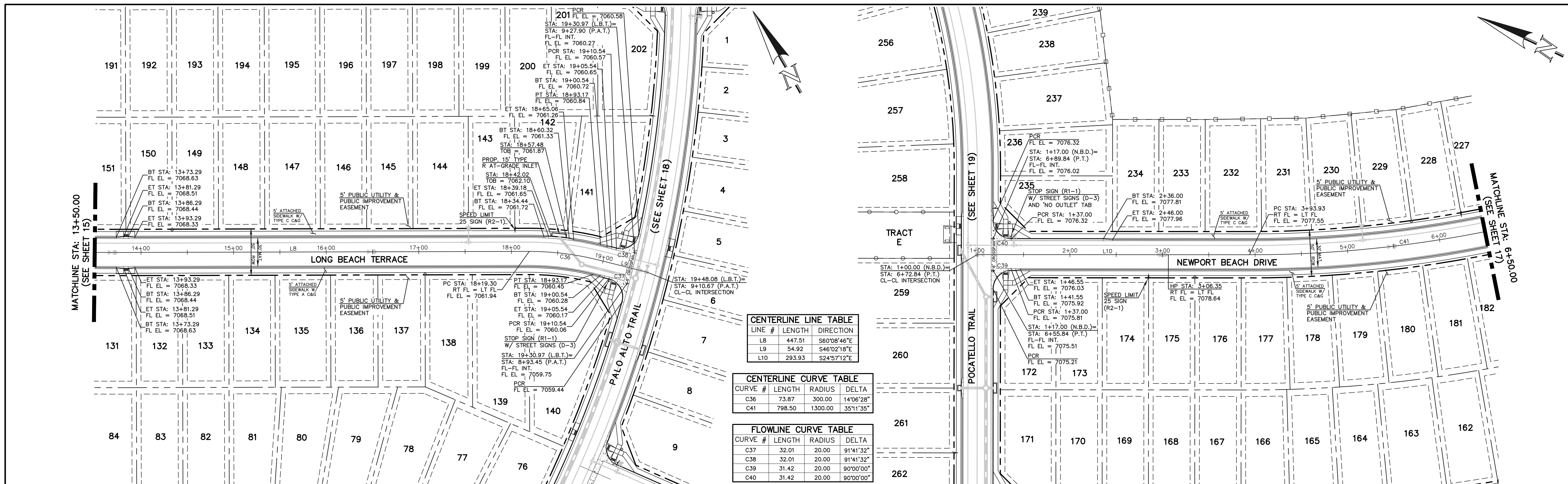
02/28/24  
DATE



STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
PUBLIC STREET IMPROVEMENT PLAN  
LONG BEACH TERRACE 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





**CENTERLINE LINE TABLE**

LINE #	LENGTH	DIRECTION
L8	447.51	S60°08'46"E
L9	54.92	S46°02'18"E
L10	293.93	S24°57'12"E

**CENTERLINE CURVE TABLE**

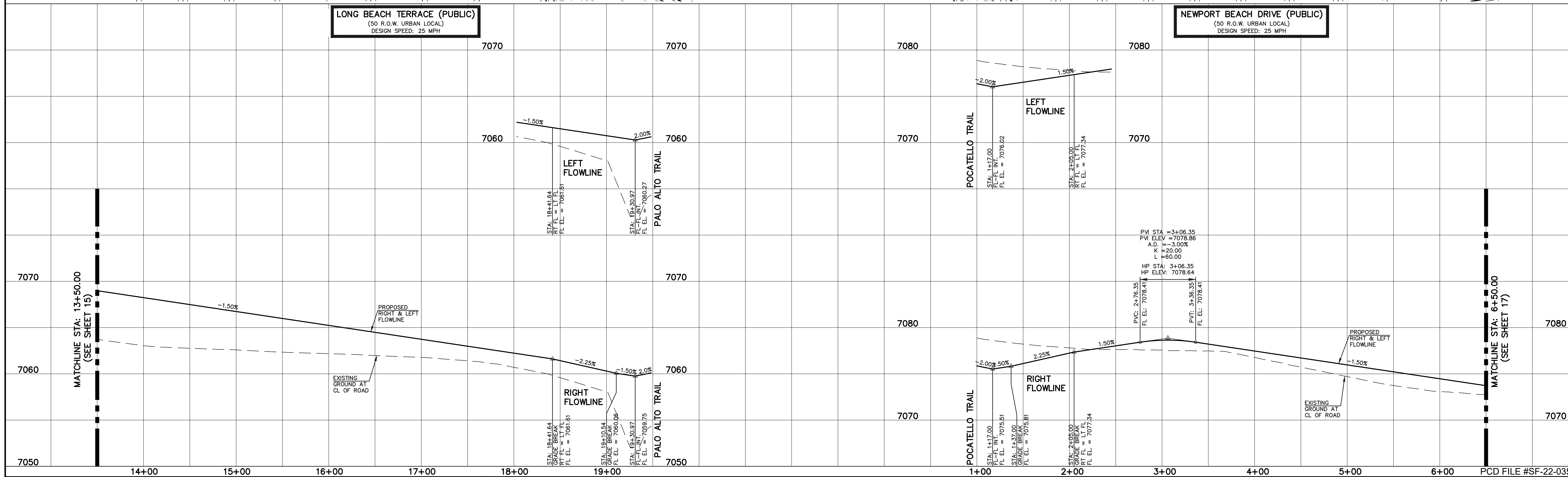
CURVE #	LENGTH	RADIUS	DELTA
C36	73.87	300.00	14°06'28"
C41	798.50	1300.00	35°11'35"

**FLOWLINE CURVE TABLE**

CURVE #	LENGTH	RADIUS	DELTA
C37	32.01	20.00	91°41'32"
C38	32.01	20.00	91°41'32"
C39	31.42	20.00	90°00'00"
C40	31.42	20.00	90°00'00"

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

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



**LEGEND**

- BOUNDARY LINE
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**NO. REVISION**

NO.	REVISION	DATE

REVIEW:

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

KYLE R. CAMPBELL  
 COLORADO LICENSED PROFESSIONAL ENGINEER #29794

DATE: 02/28/24

**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

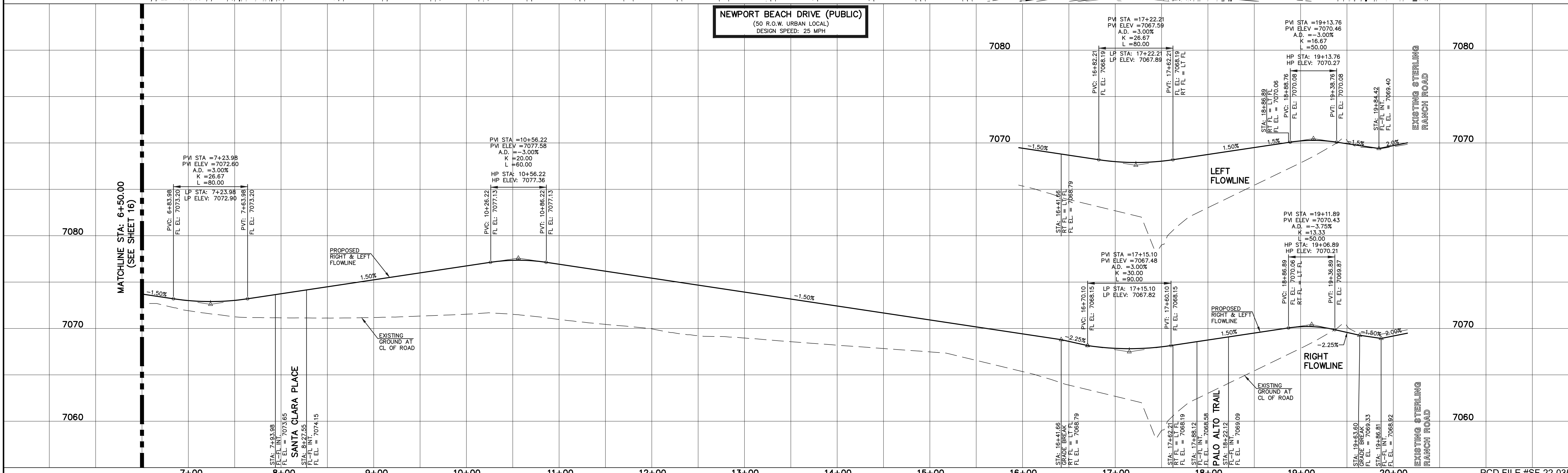
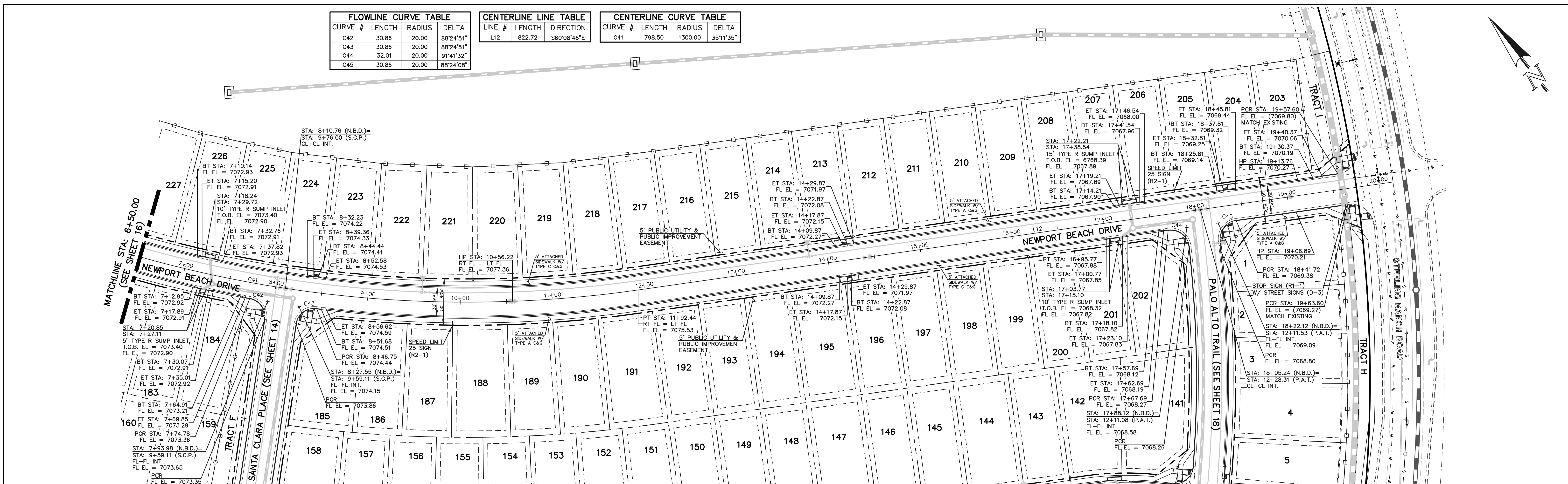
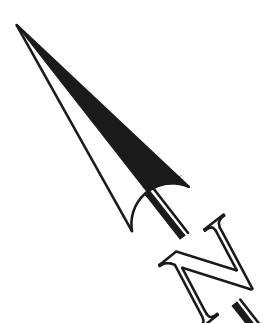
CLASSIC CONSULTING



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**

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KYLE R. CAMPBELL  
29794  
PROFESSIONAL ENGINEER

02/28/24  
DATE

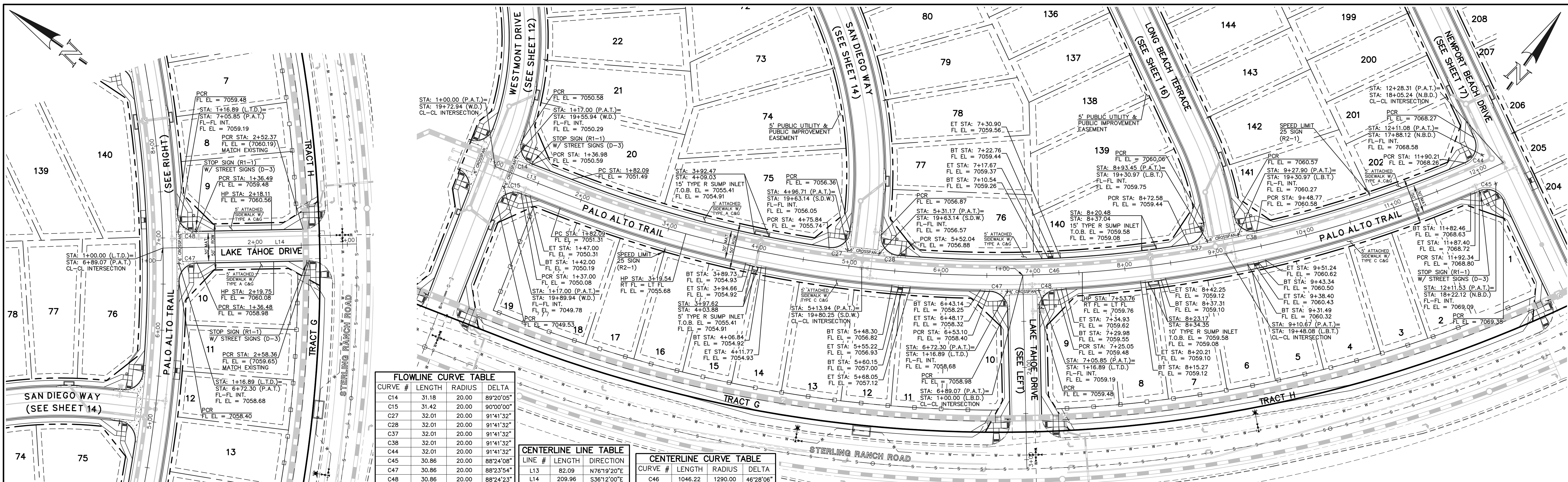
**CLASSIC CONSULTING**

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  
NEWPORT BEACH DRIVE 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	

PCD FILE #SF-22-035



**FLOWLINE CURVE TABLE**

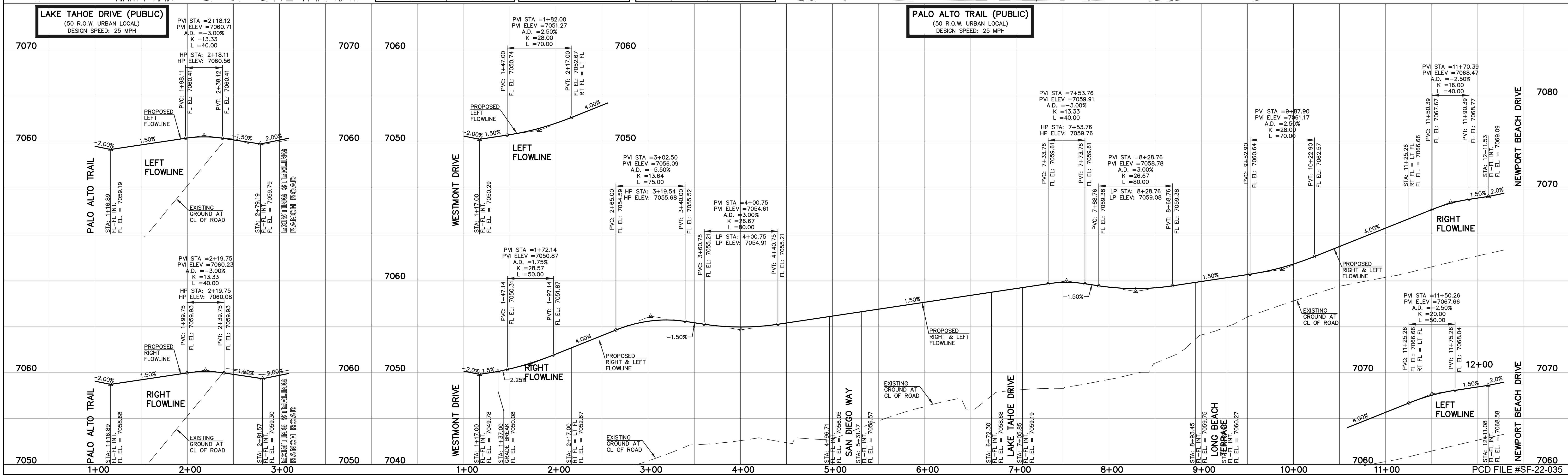
CURVE #	LENGTH	RADIUS	DELTA
C14	31.18	20.00	89°20'05"
C15	31.42	20.00	90°00'00"
C27	32.01	20.00	91°41'32"
C28	32.01	20.00	91°41'32"
C37	32.01	20.00	91°41'32"
C38	32.01	20.00	91°41'32"
C44	32.01	20.00	91°41'32"
C45	30.86	20.00	88°24'08"
C47	30.86	20.00	88°23'54"
C48	30.86	20.00	88°24'23"

**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
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- LAKE TAHOE DRIVE
- LONG BEACH TERRACE
- NEWPORT BEACH DRIVE
- PALTO ALTO TRAIL
- POCATELLO TRAIL
- SAN DIEGO WAY
- SANTA CLARA PLACE
- STERLING RANCH ROAD

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NO. REVISION DATE REVIEW:

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

**CLASSIC CONSULTING**

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

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

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

PALO ALTO TRAIL (PUBLIC)  
(50 R.O.W. URBAN LOCAL)  
DESIGN SPEED: 25 MPH

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

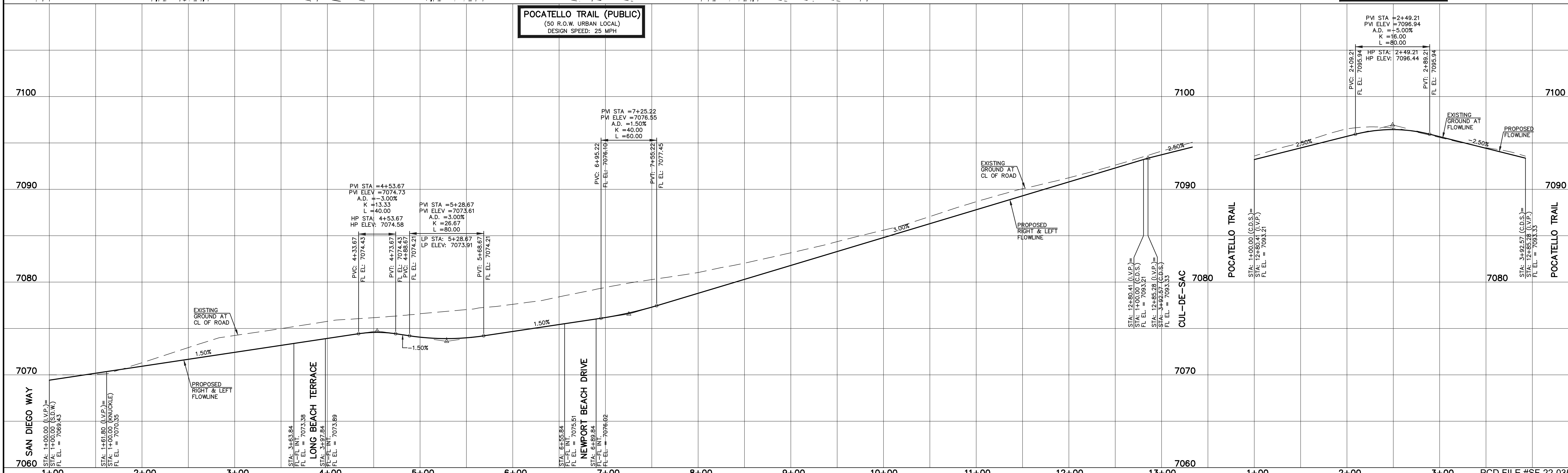
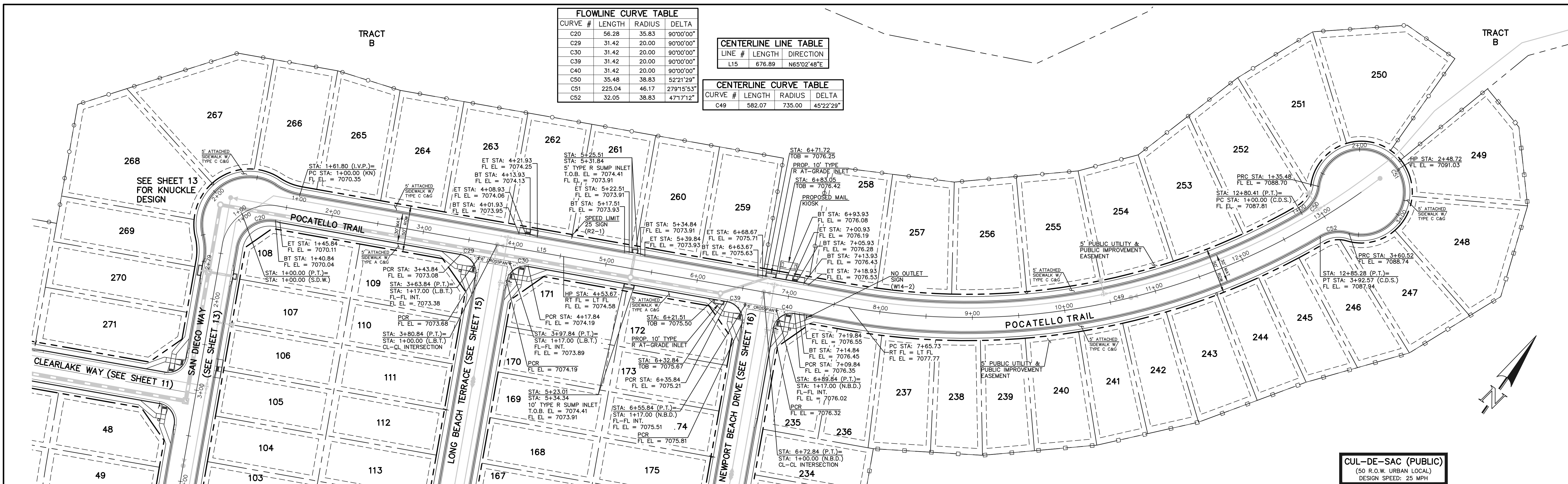
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FLOWLINE CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	
C20	56.28	35.83	90°00'00"	
C29	31.42	20.00	90°00'00"	
C30	31.42	20.00	90°00'00"	
C39	31.42	20.00	90°00'00"	
C40	31.42	20.00	90°00'00"	
C50	35.48	38.83	52°21'29"	
C51	225.04	46.17	279°15'53"	
C52	32.05	38.83	47°11'12"	

CENTERLINE LINE TABLE		
LINE #	LENGTH	DIRECTION
L15	676.89	N65°02'48"E

CENTERLINE CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	
C49	582.07	735.00	45°22'29"	



**LEGEND**

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*Kyle R. Campbell*  
KYLE R. CAMPBELL  
PROFESSIONAL ENGINEER #29794

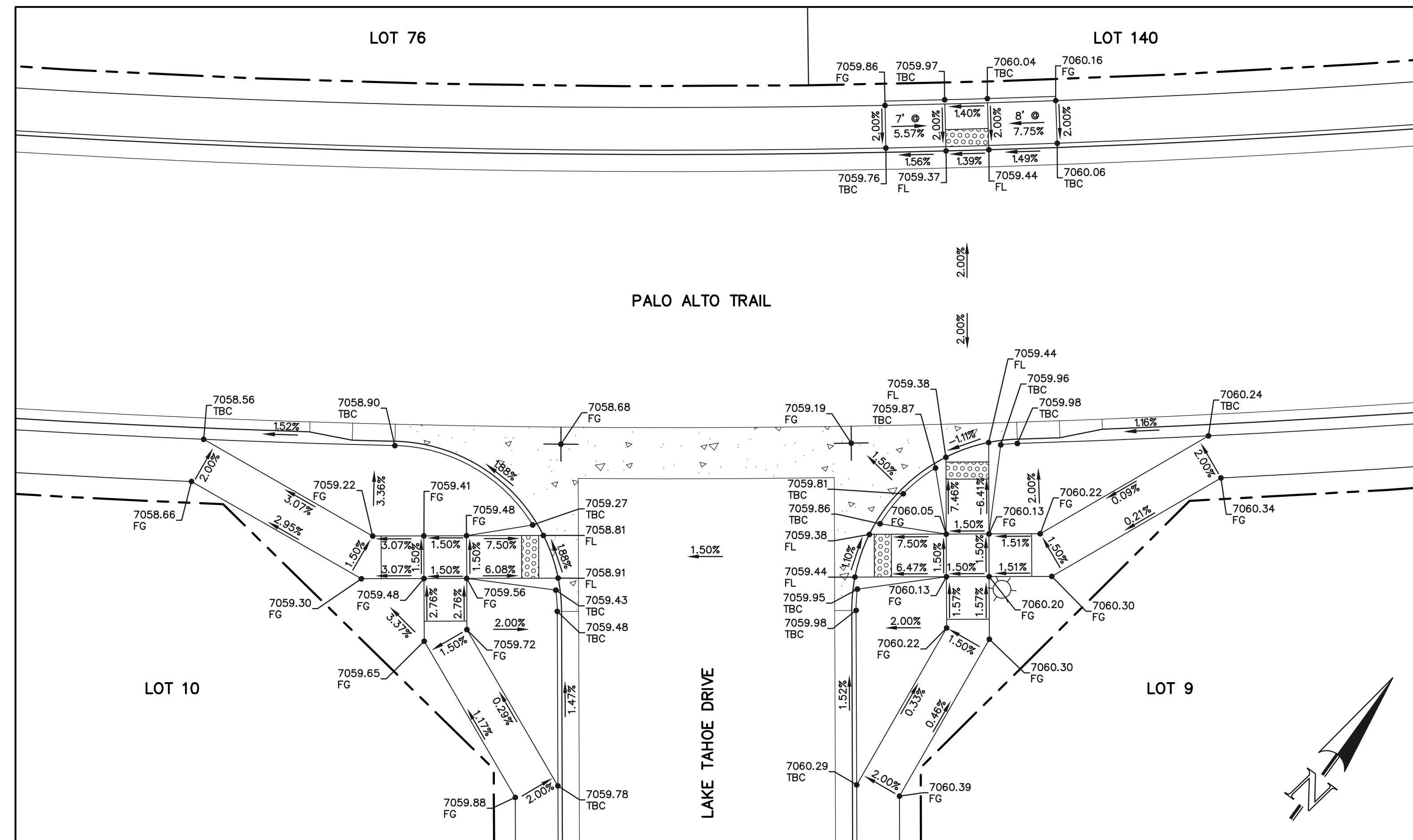
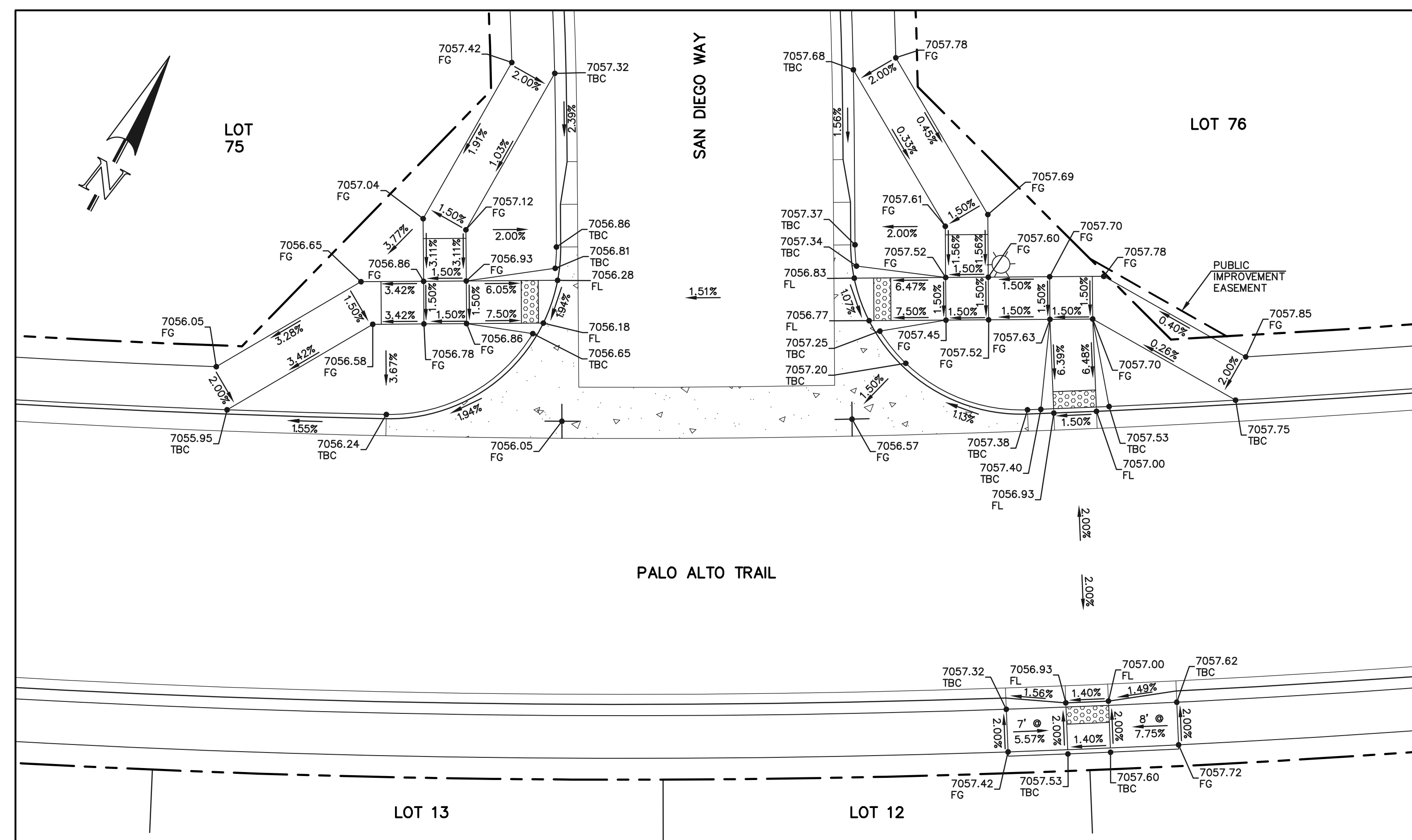
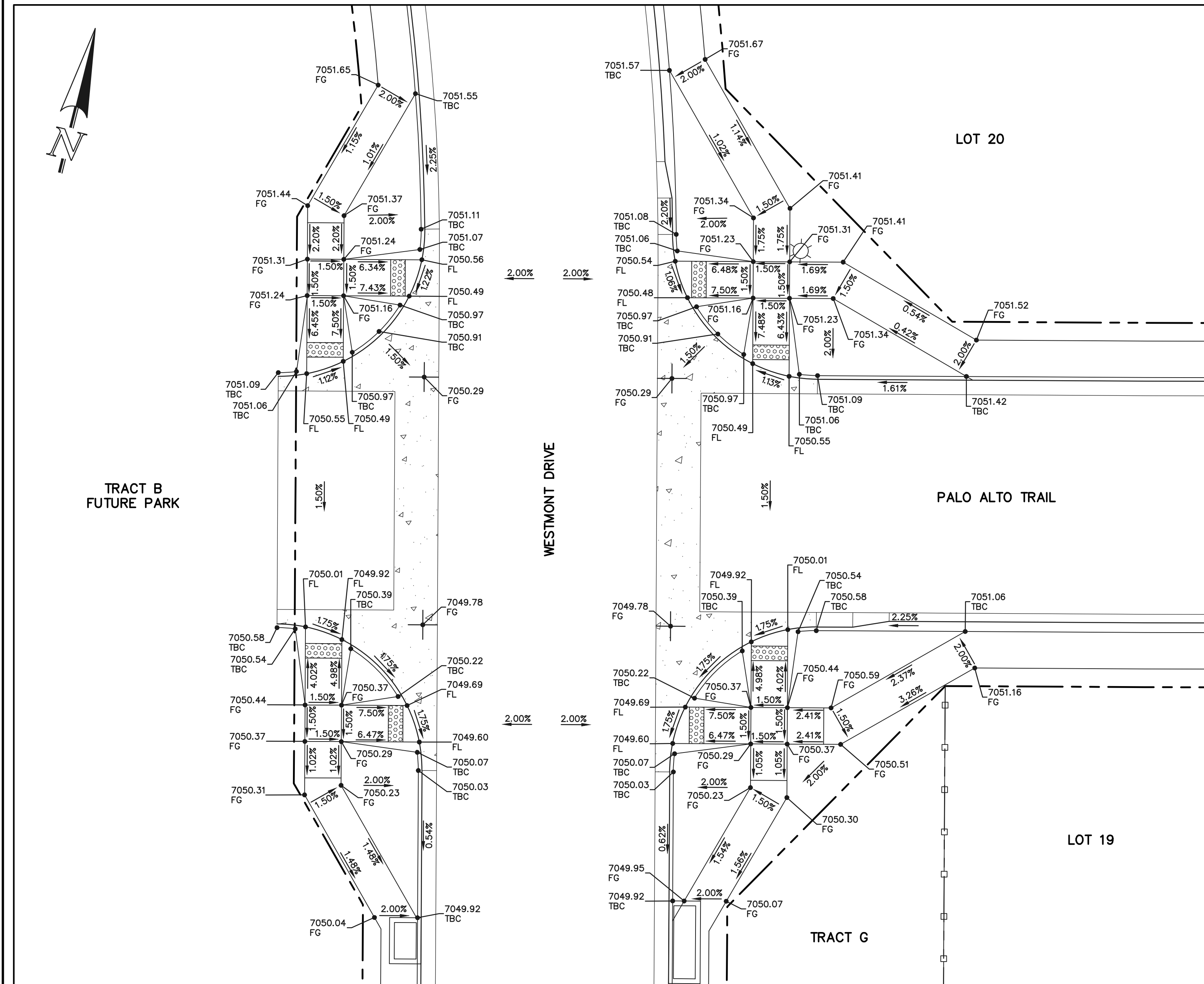
02/28/24  
DATE

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

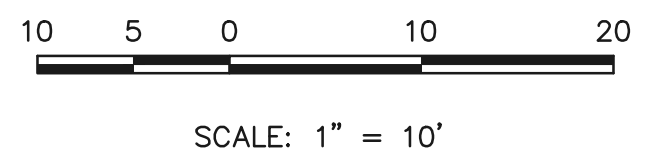
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Colorado Springs, Colorado 80903 (719) 785-0799(fax)



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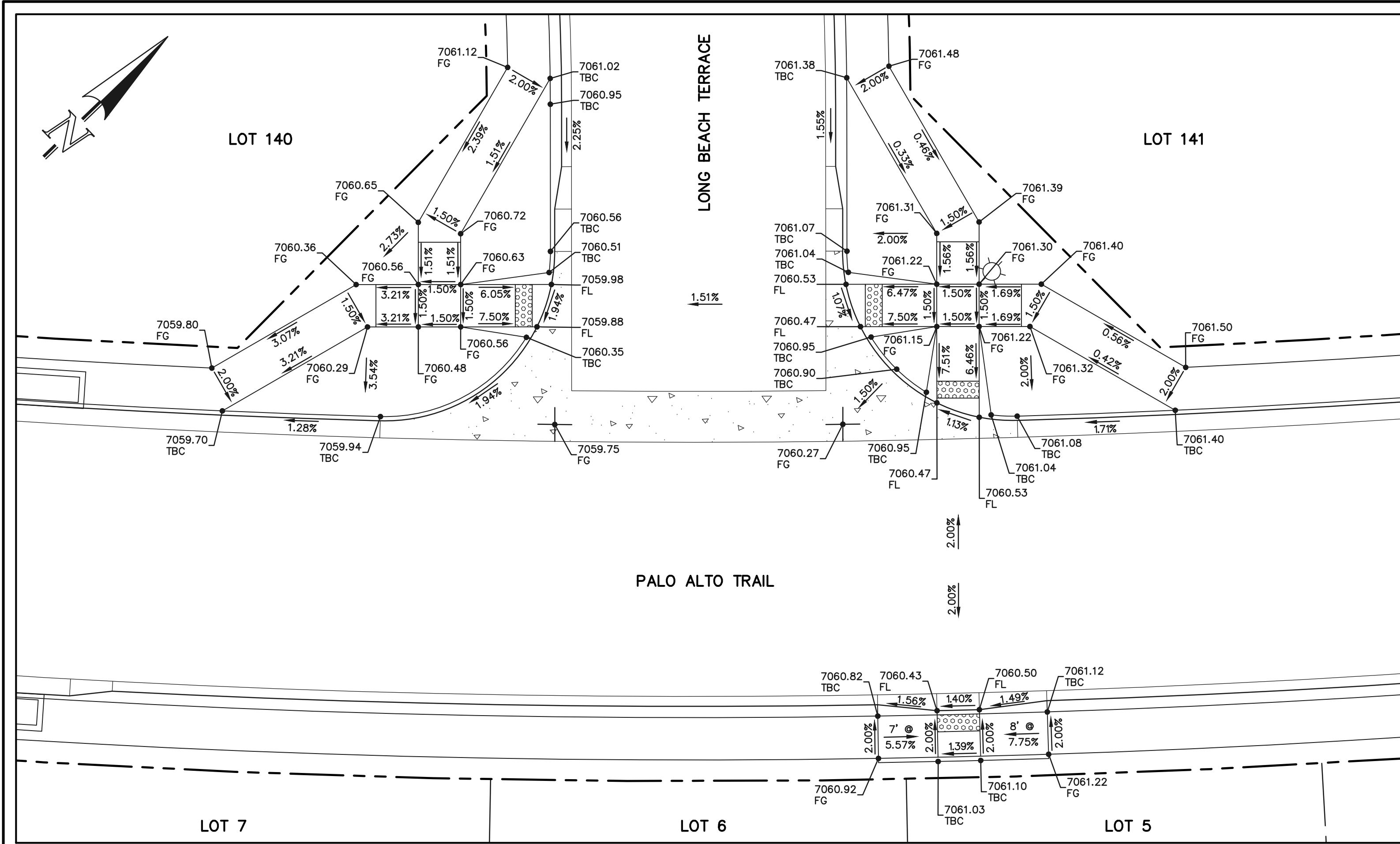
*Kyle R. Campbell*  
 COLORADO LICENSED PROFESSIONAL ENGINEER  
 28794  
 KYLE R. CAMPBELL, P.E.  
 02/28/24 DATE



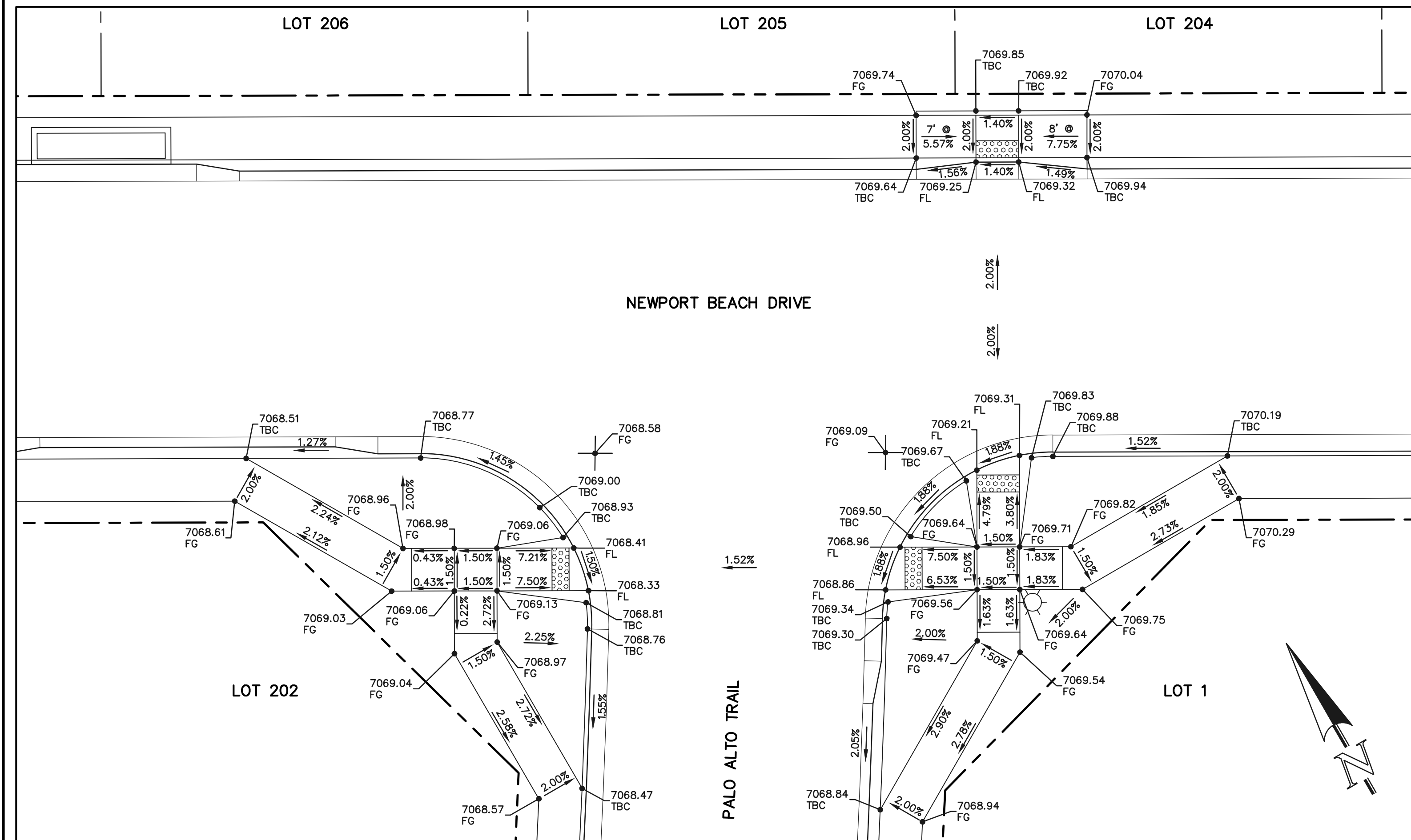
STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 PUBLIC STREET IMPROVEMENT PLAN  
 PEDESTRIAN RAMP DESIGN

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

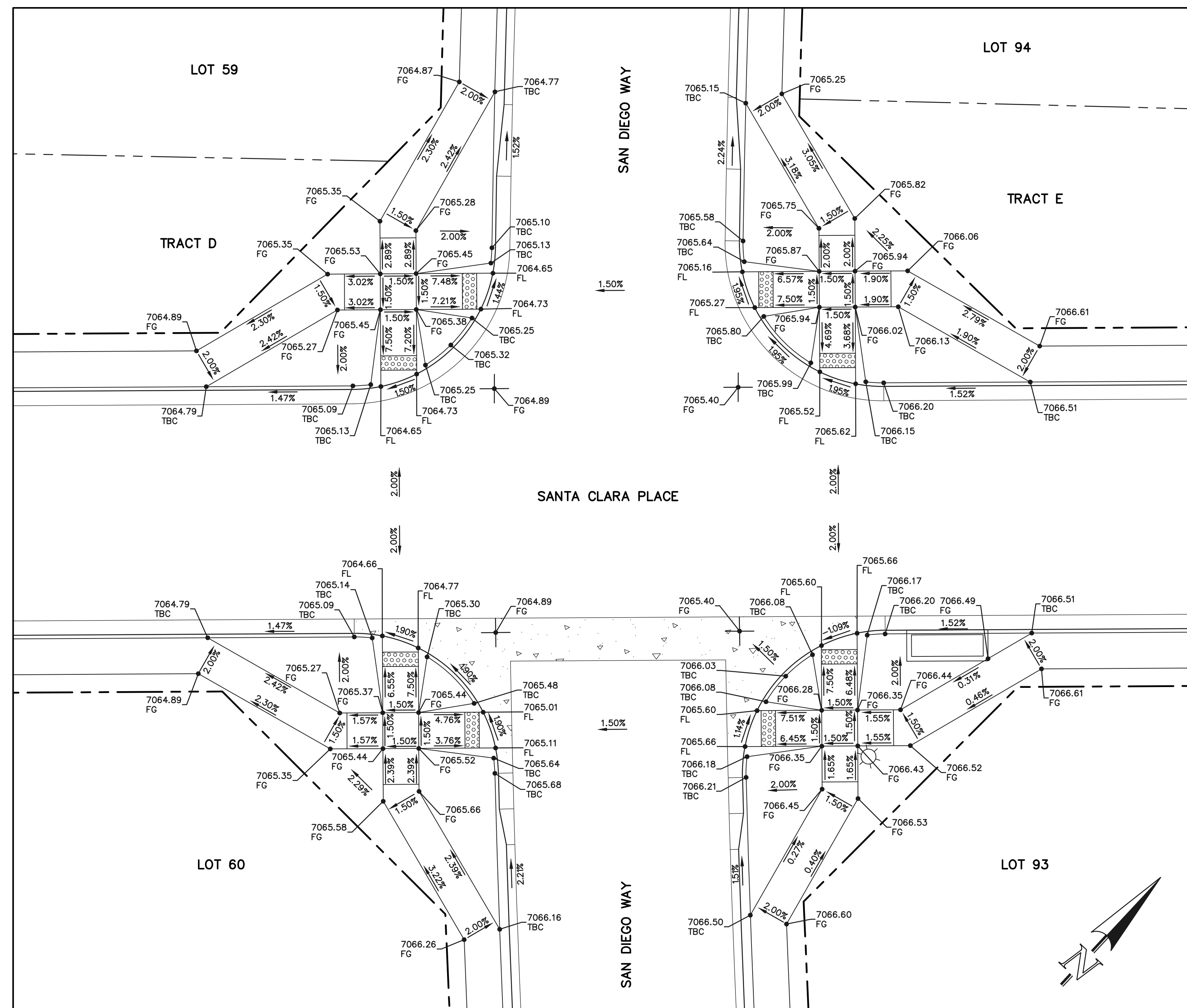
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SECTION 'D'

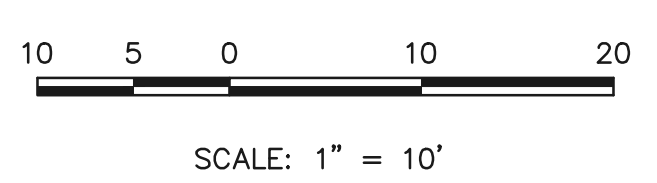


SECTION 'E'



SECTION 'G'

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*Kyle R. Campbell*  
 28794  
 PROFESSIONAL ENGINEER  
 #29794

02/28/24  
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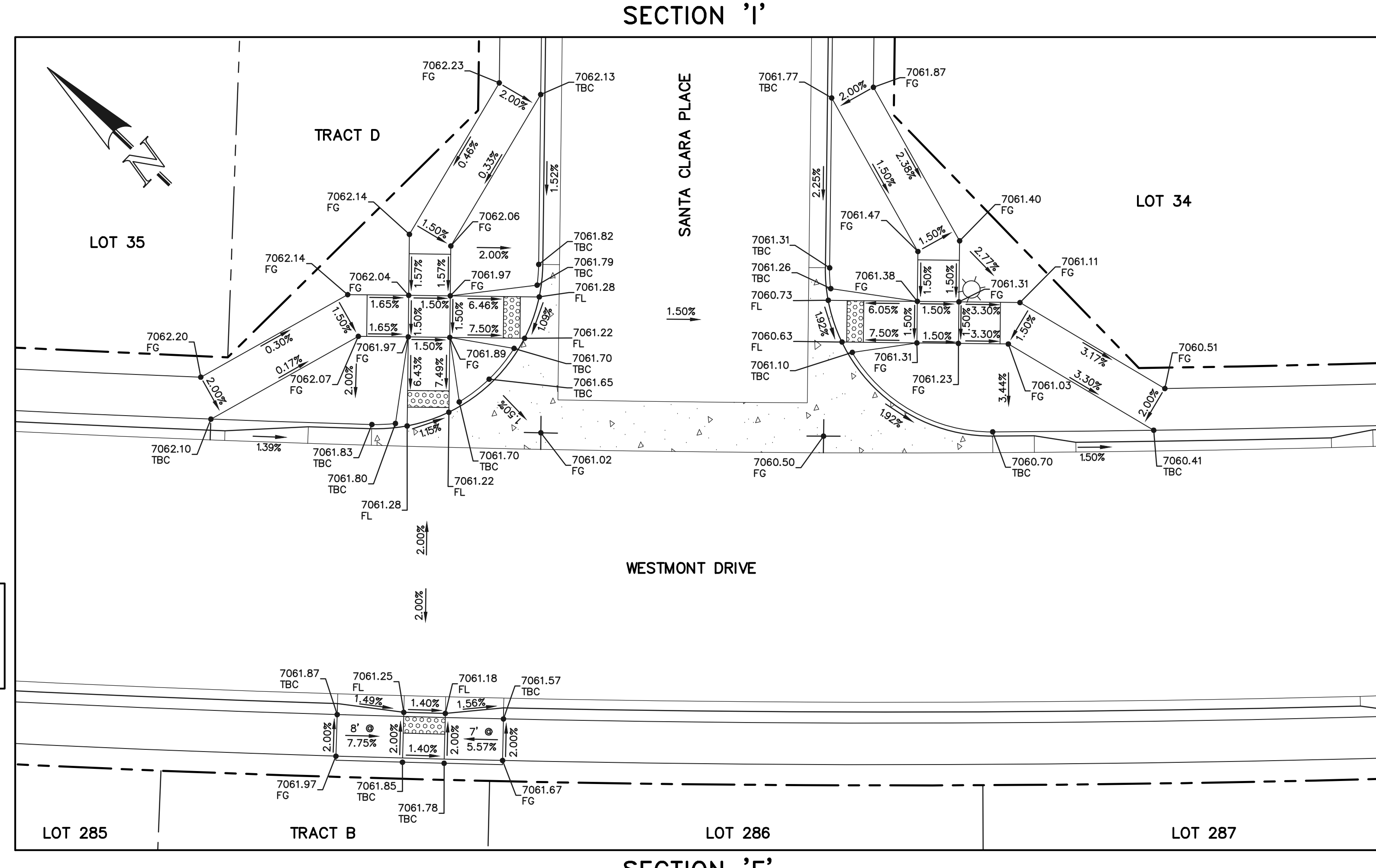
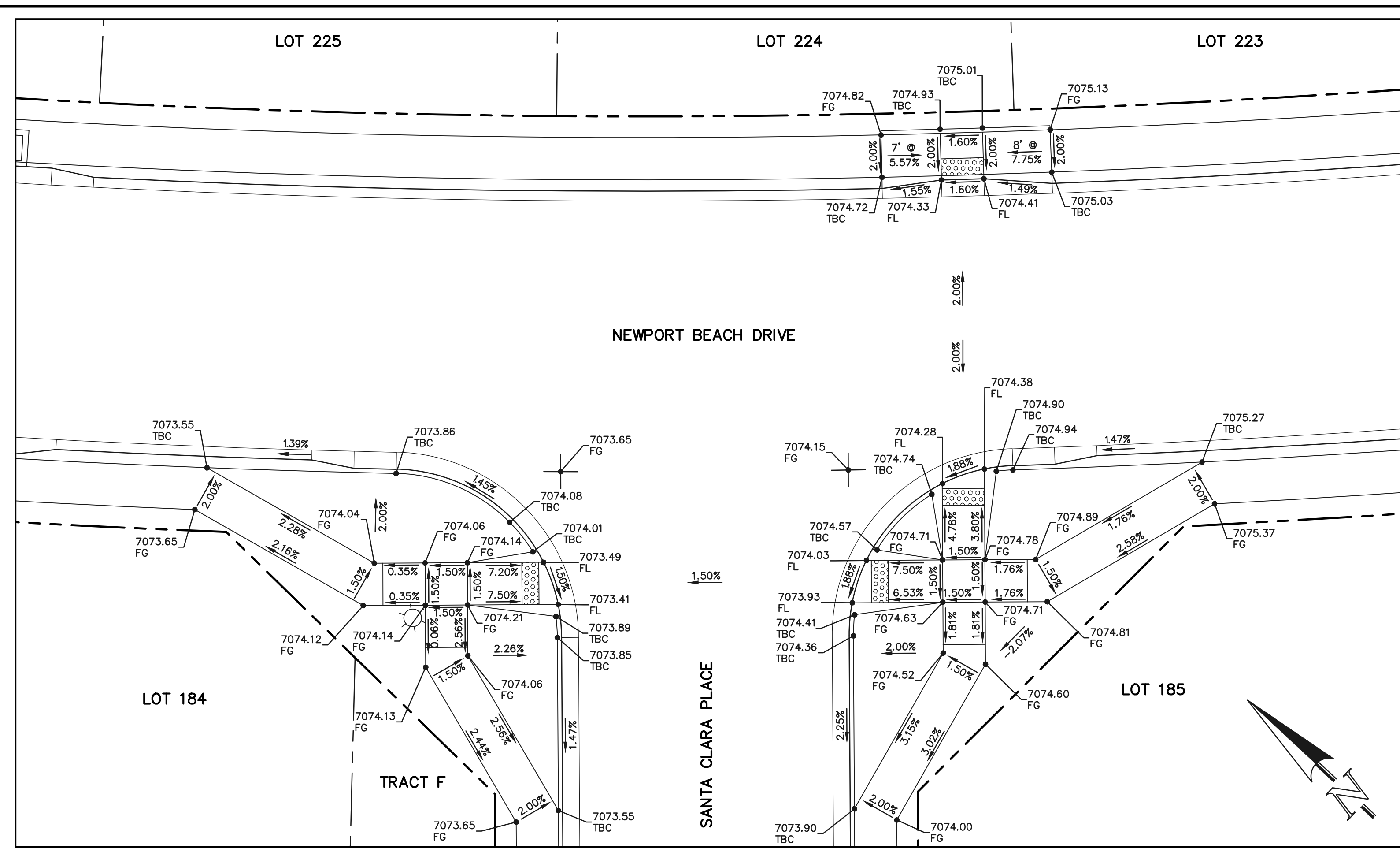
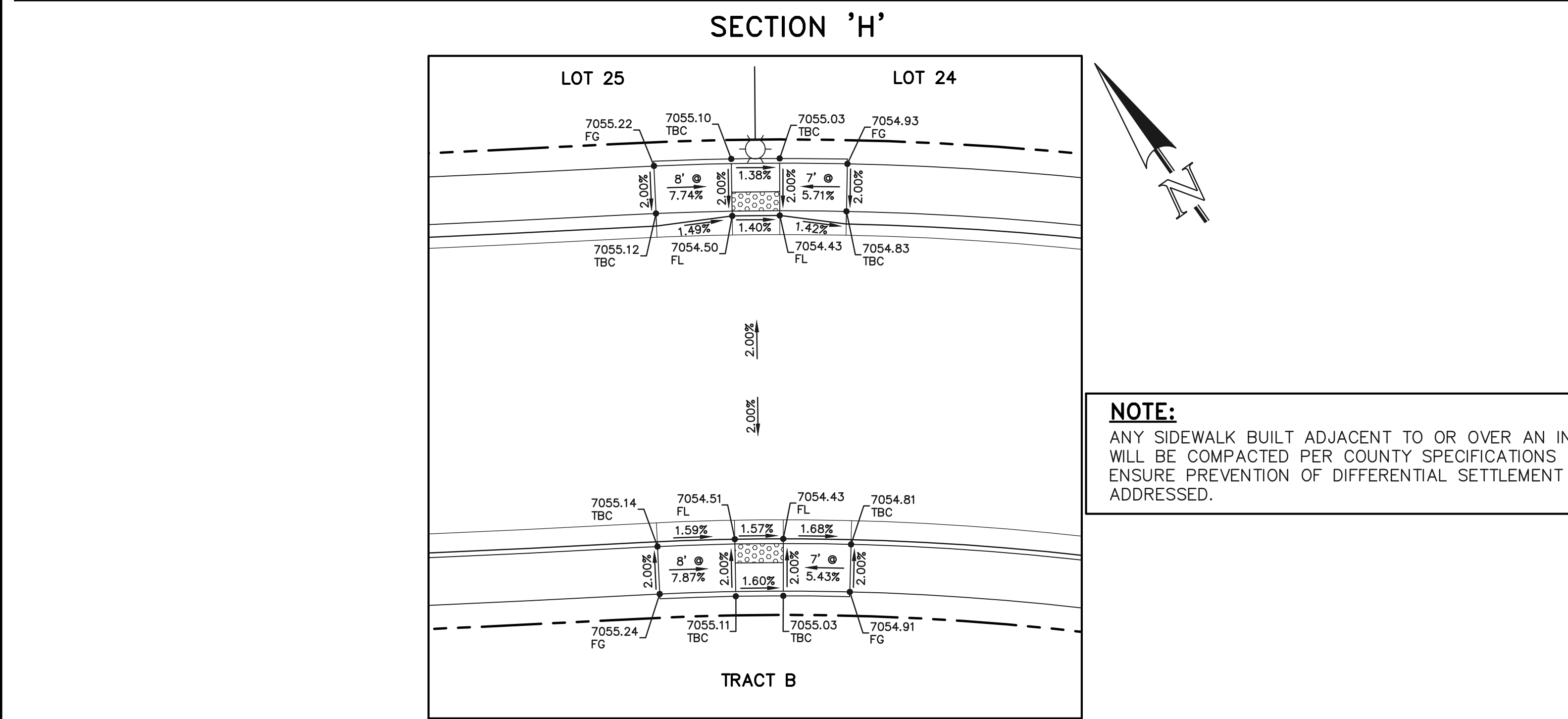
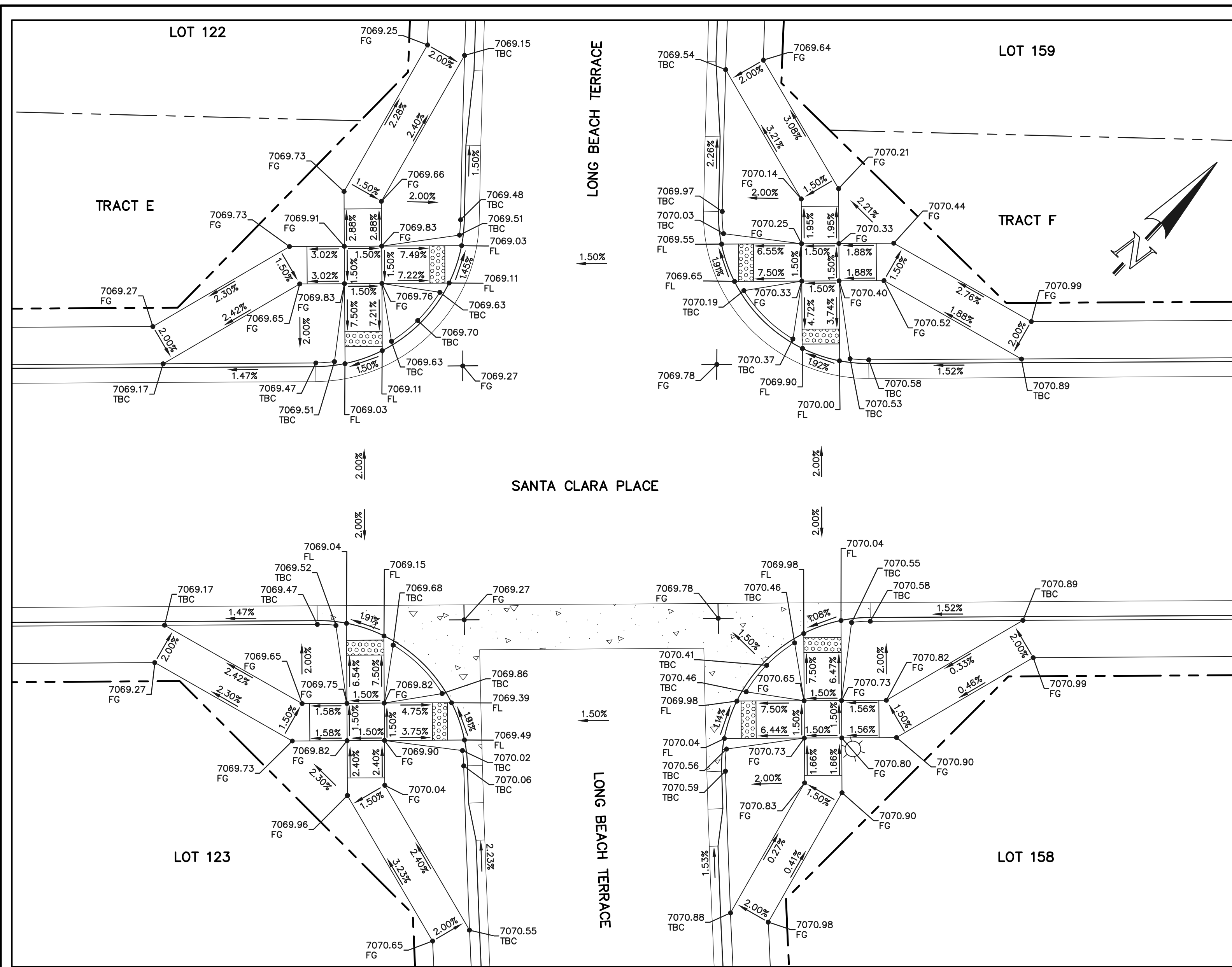
619 N. Cascade Avenue, Suite 200  
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PCD FILE #SF-22-035

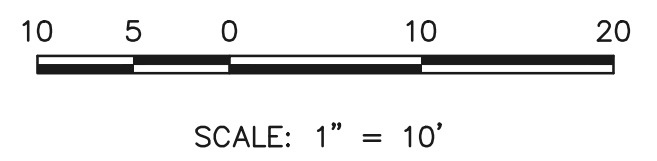
STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 PUBLIC STREET IMPROVEMENT PLAN  
 PEDESTRIAN RAMP DESIGN

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





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 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

*Kyle R. Canfield*  
 KYLE R. CANFIELD, P.E. #29794

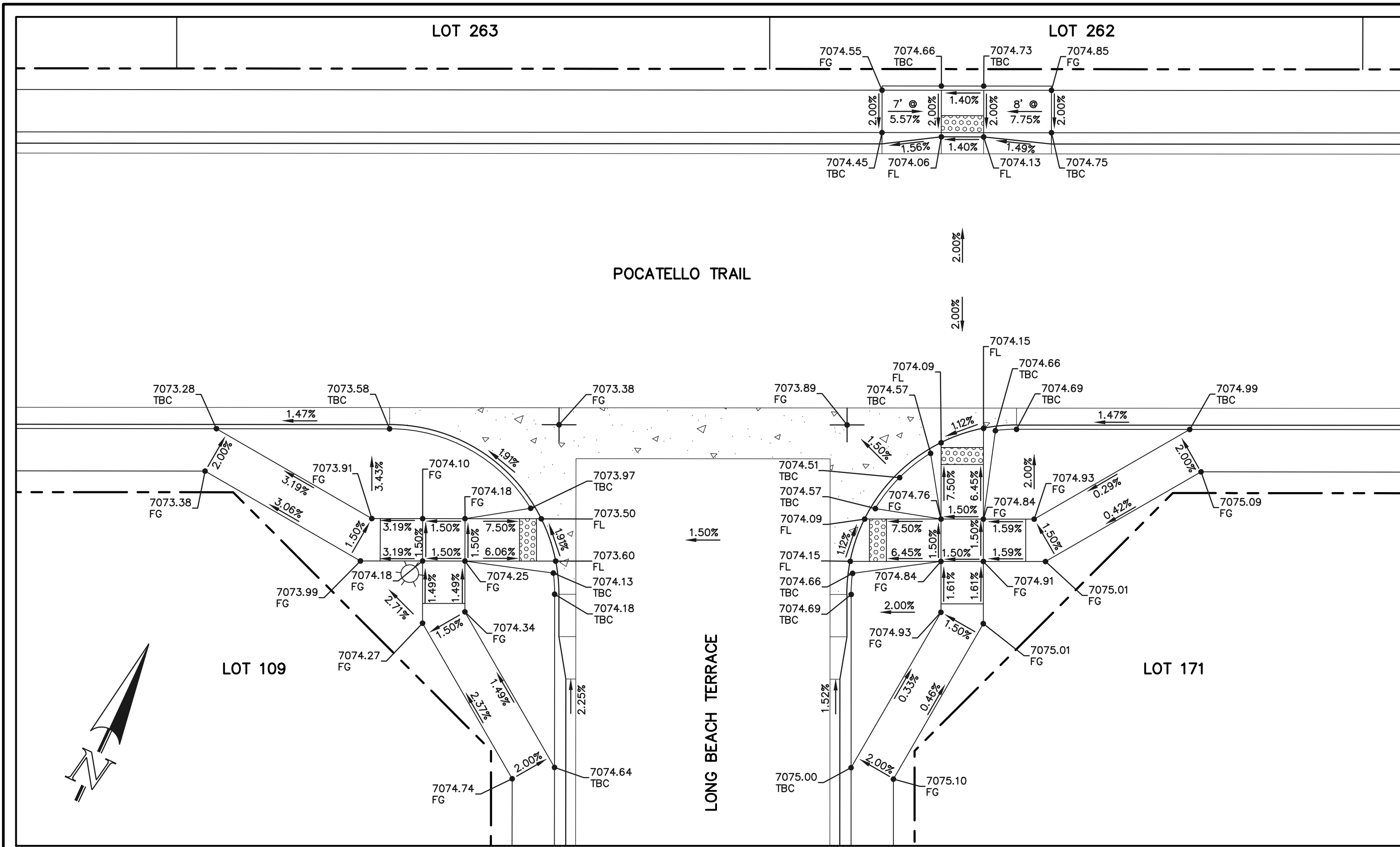
02/28/24  
 DATE



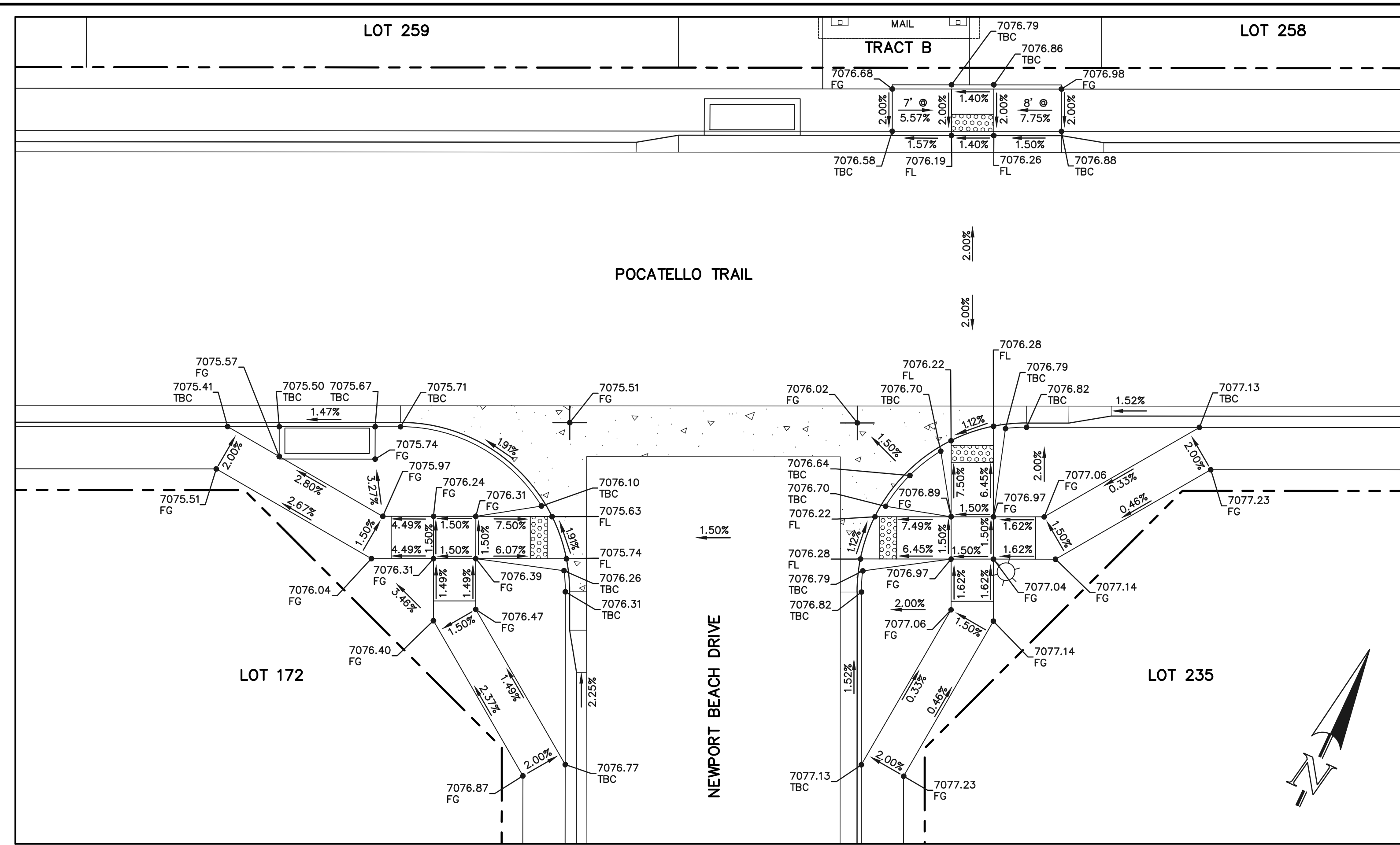
STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 PUBLIC STREET IMPROVEMENT PLAN  
 PEDESTRIAN RAMP DESIGN

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

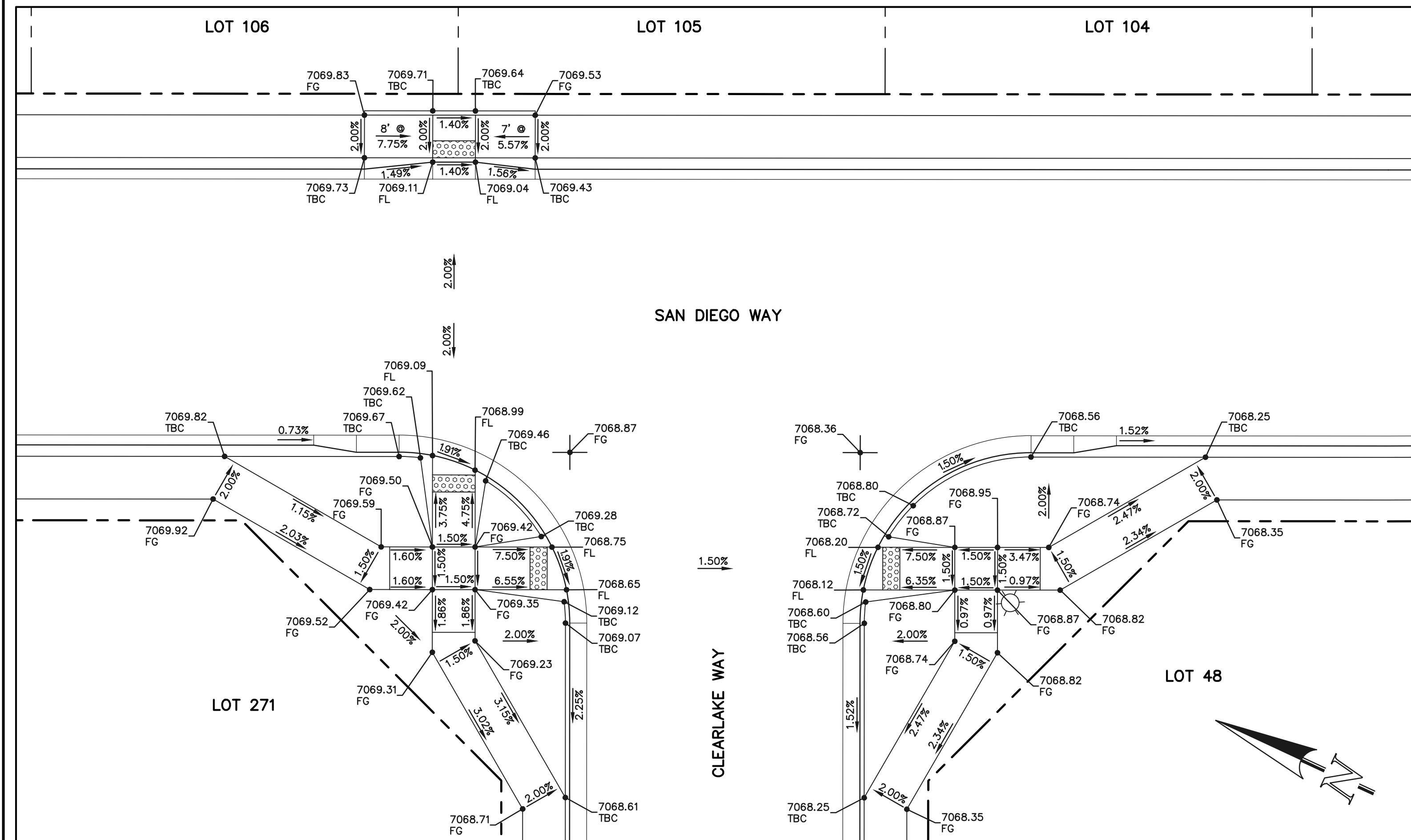
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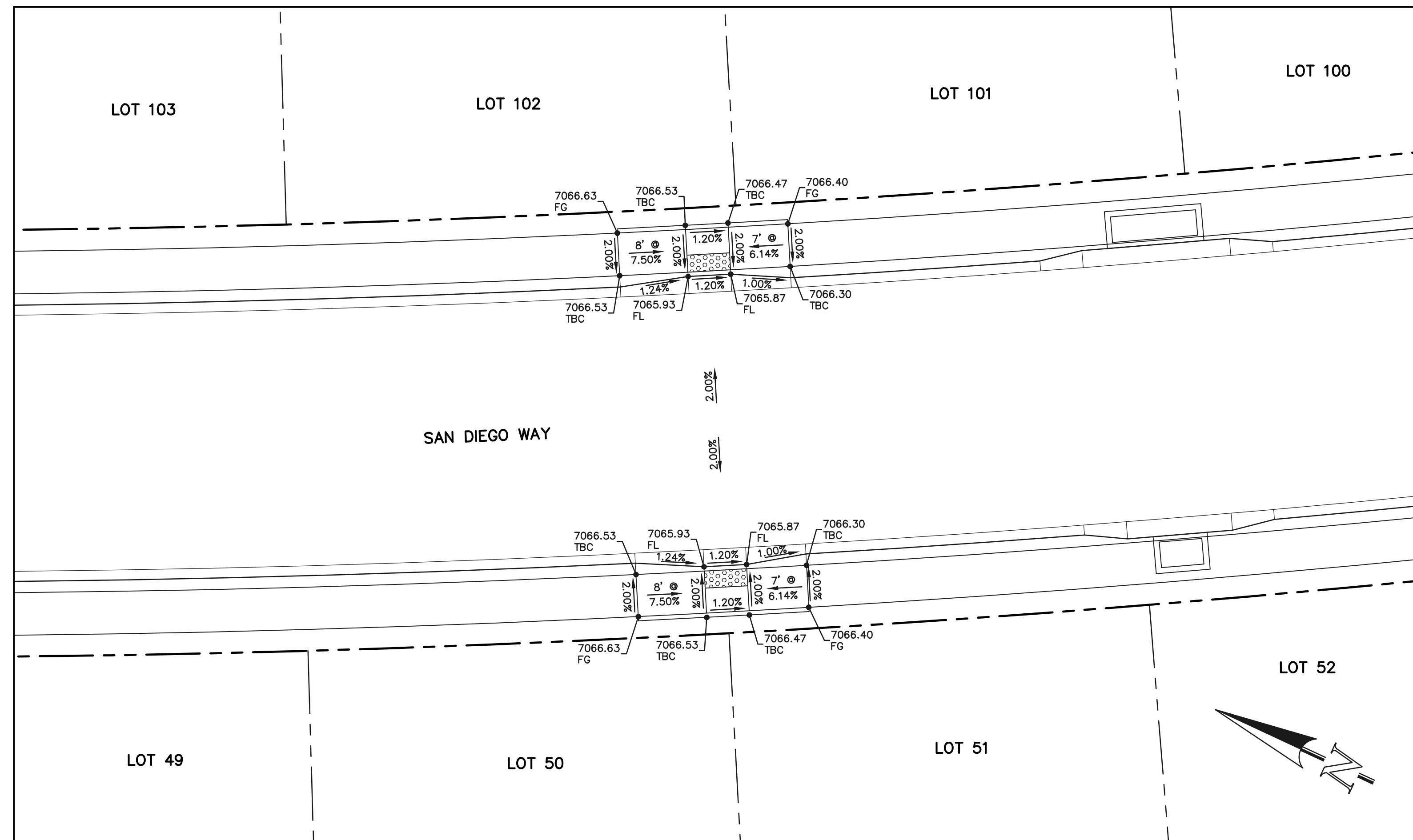
SECTION 'K'



SECTION 'L'



SECTION 'J'



SECTION 'V'

PCD FILE #SF-22-035

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

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NO.	REVISION	DATE

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

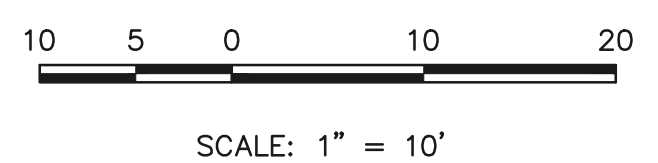
*[Signature]*  
 KYLE R. CANNON, P.E. #29794

DATE: 02/28/24

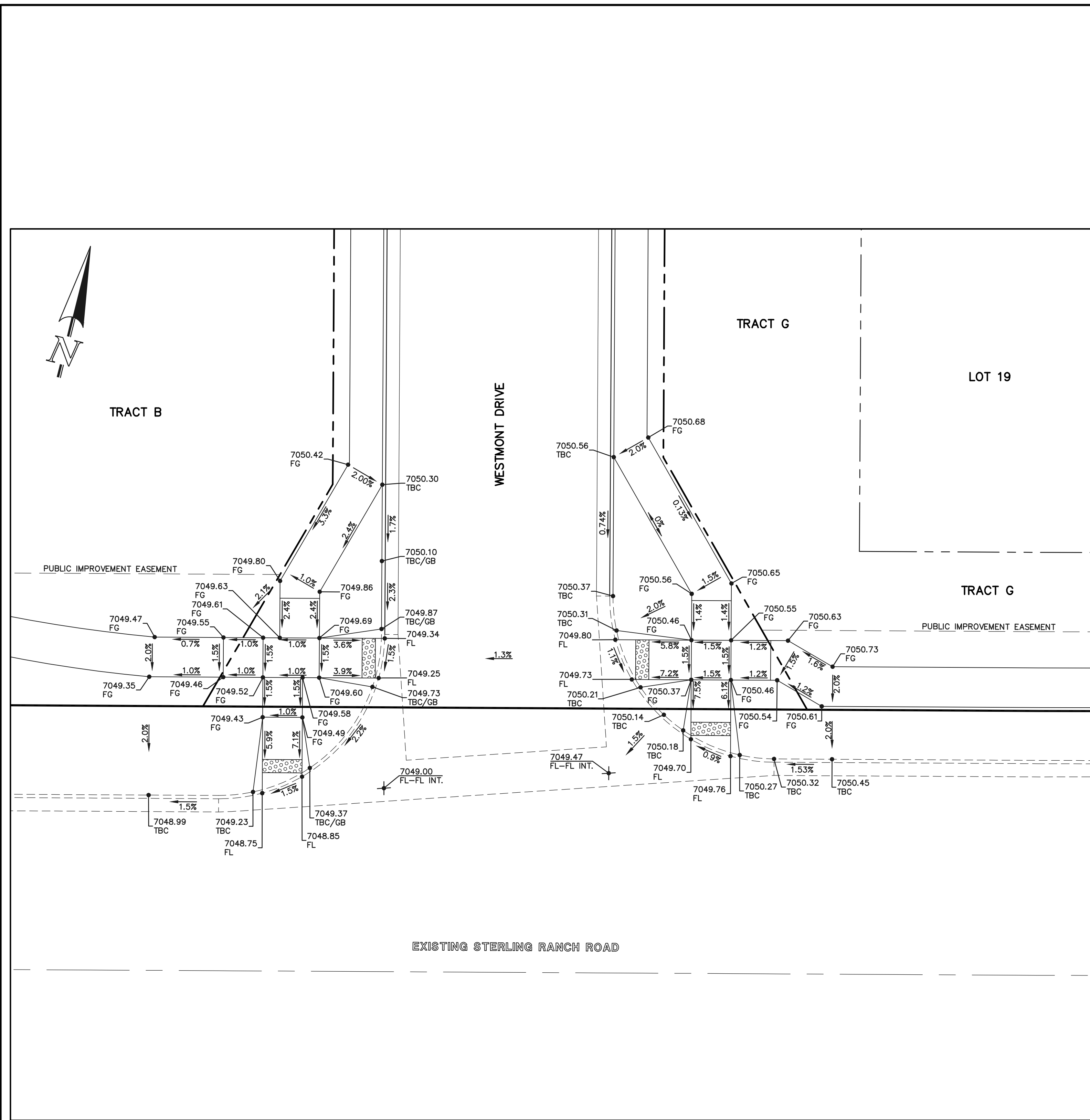


STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 PUBLIC STREET IMPROVEMENT PLAN  
 PEDESTRIAN RAMP DESIGN

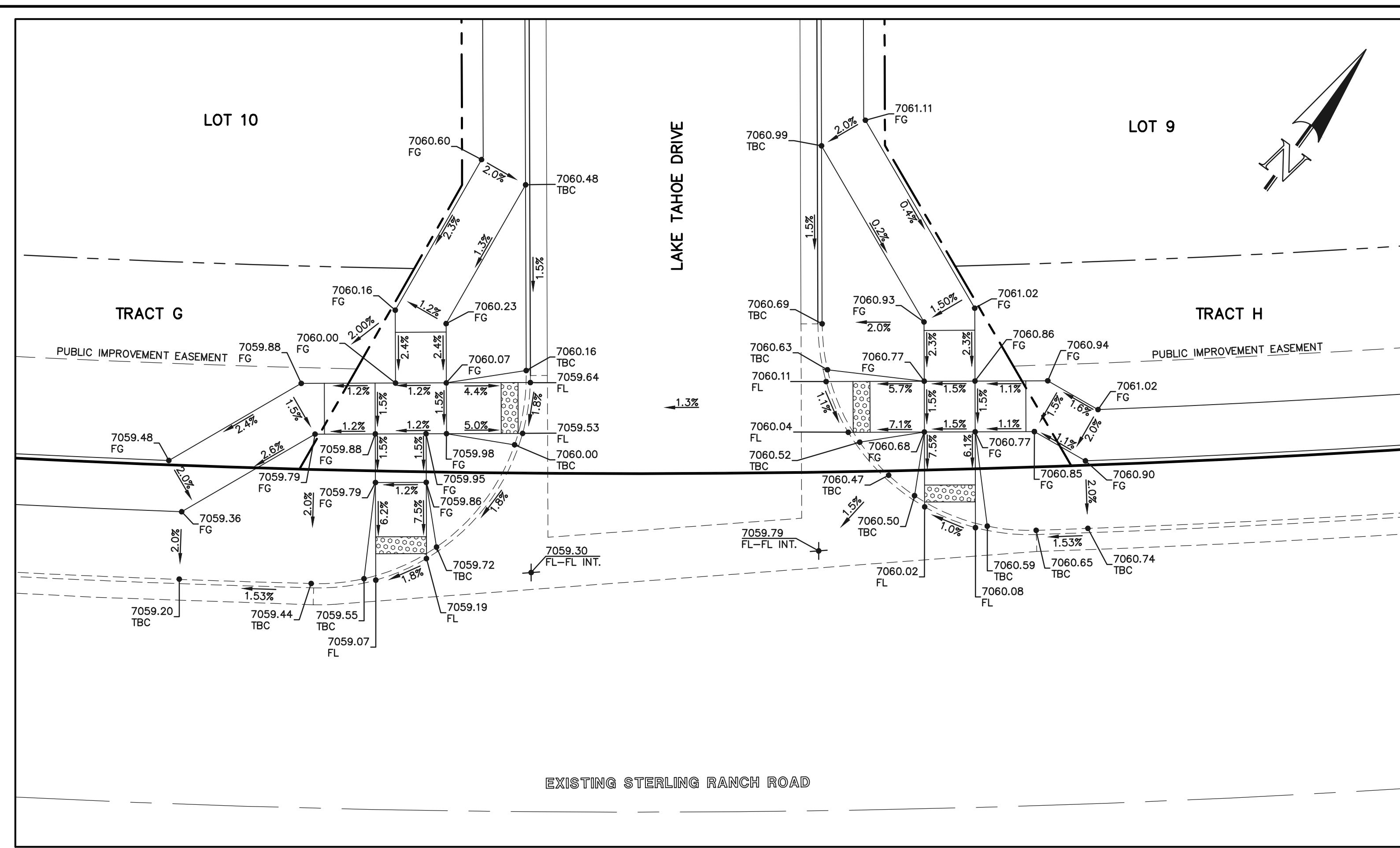
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 CHECKED BY: (V) 1" = N/A JOB NO. 1183.30



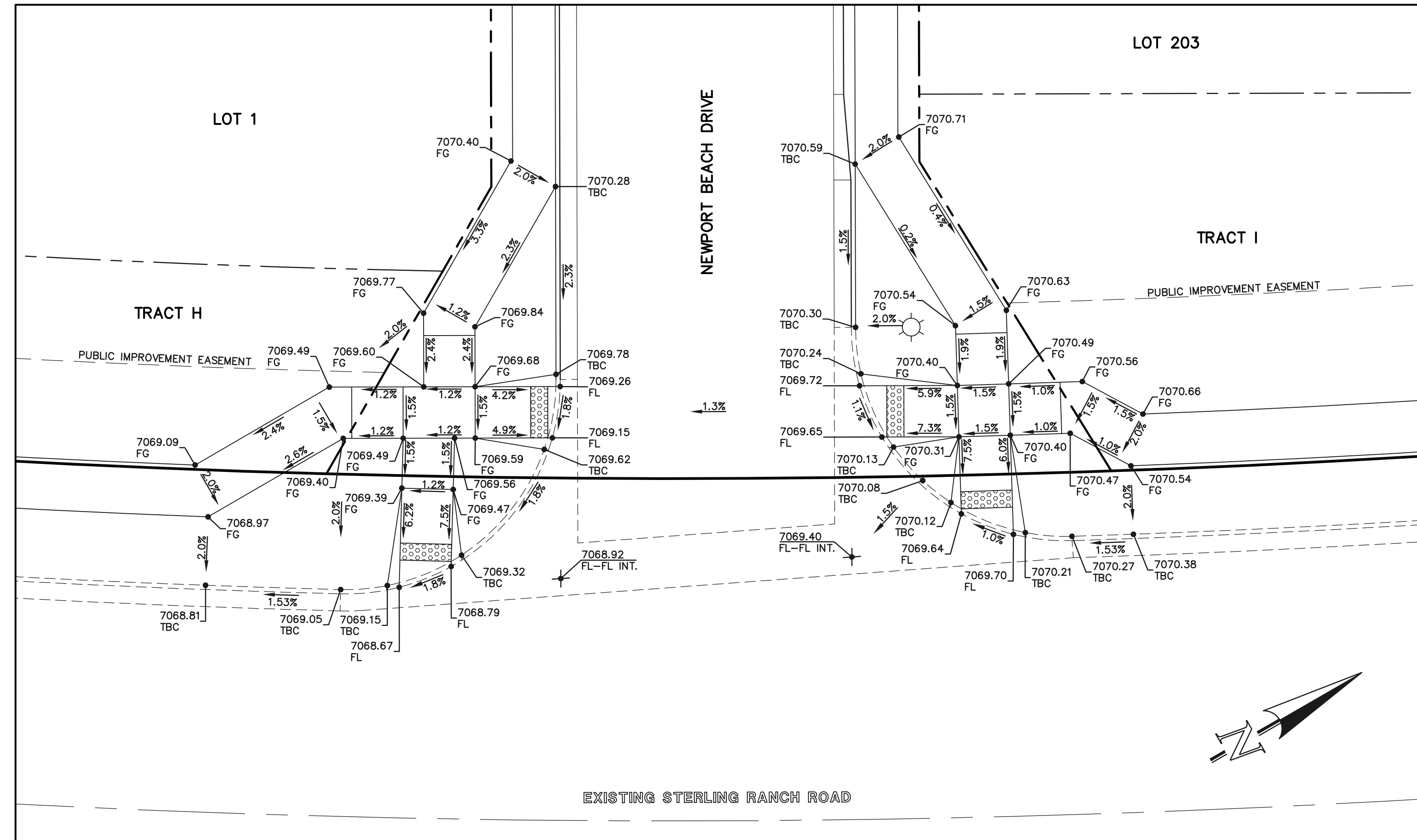
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SECTION 'M'

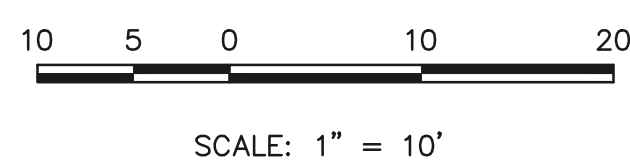


SECTION 'N'



SECTION 'O'

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 PROFESSIONAL ENGINEER #29794

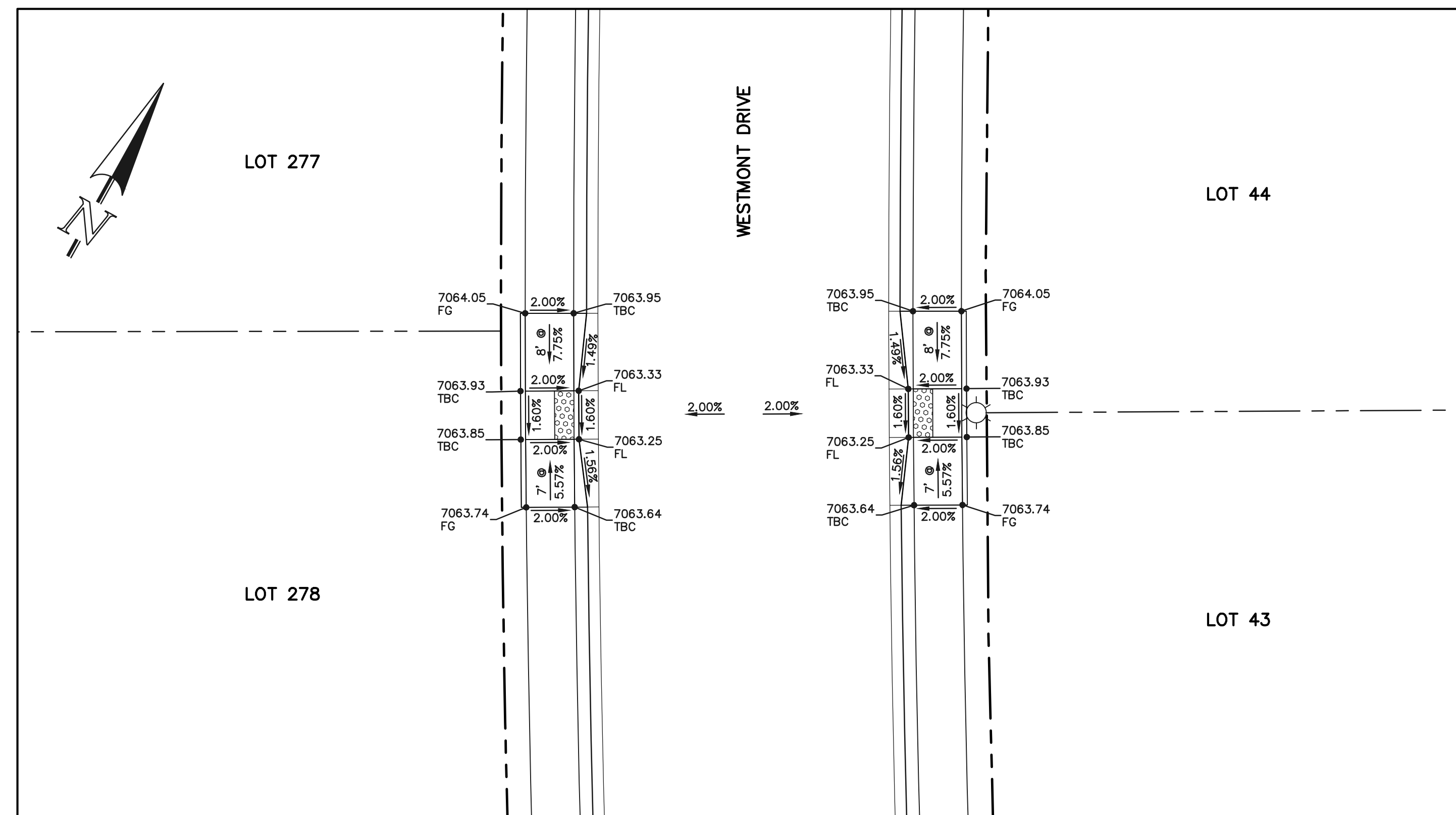
02/28/24  
 DATE

PCD FILE #SF-22-035

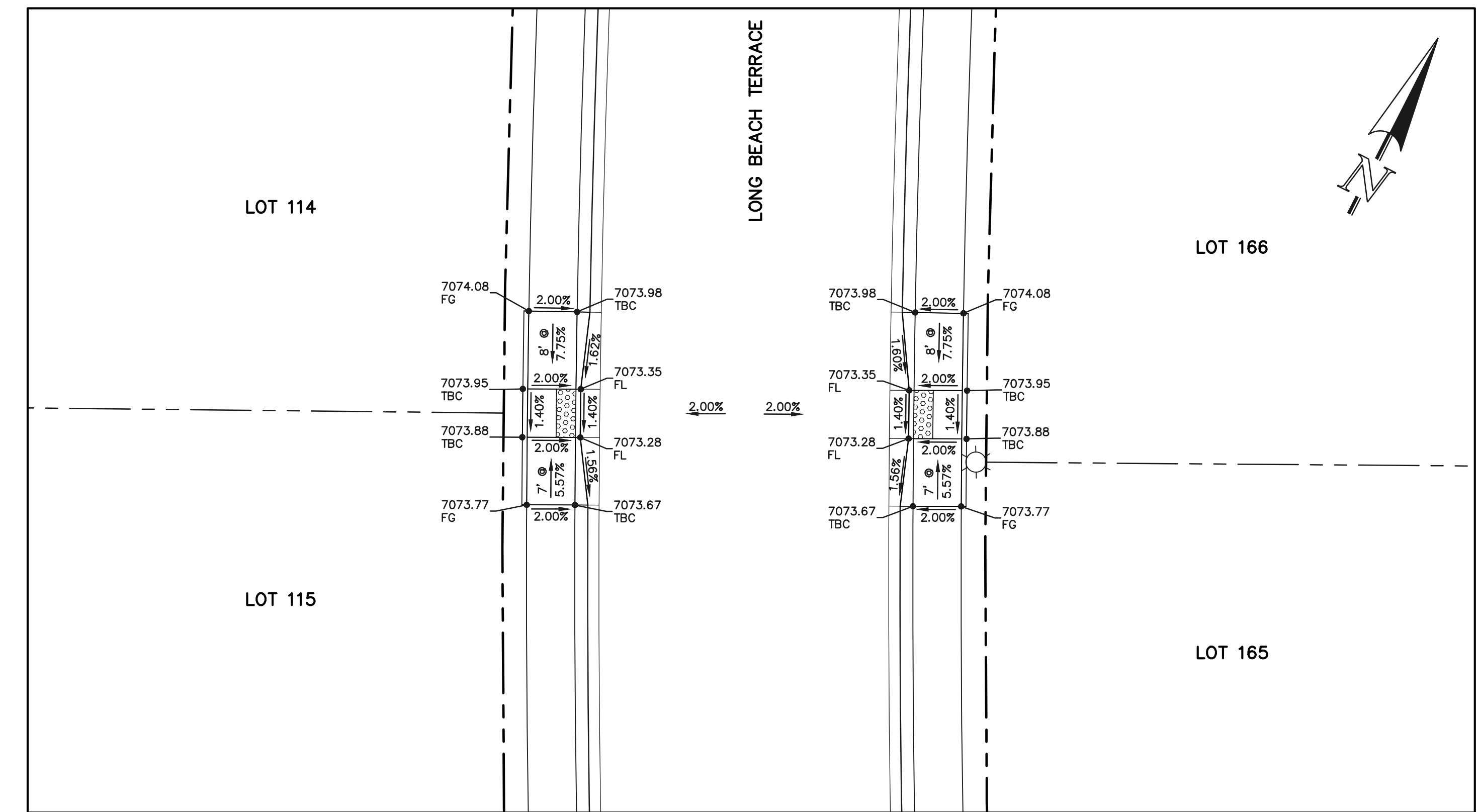
STERLING RANCH EAST FILING NO. 1  
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 PUBLIC STREET IMPROVEMENT PLAN  
 PEDESTRIAN RAMP DESIGN

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

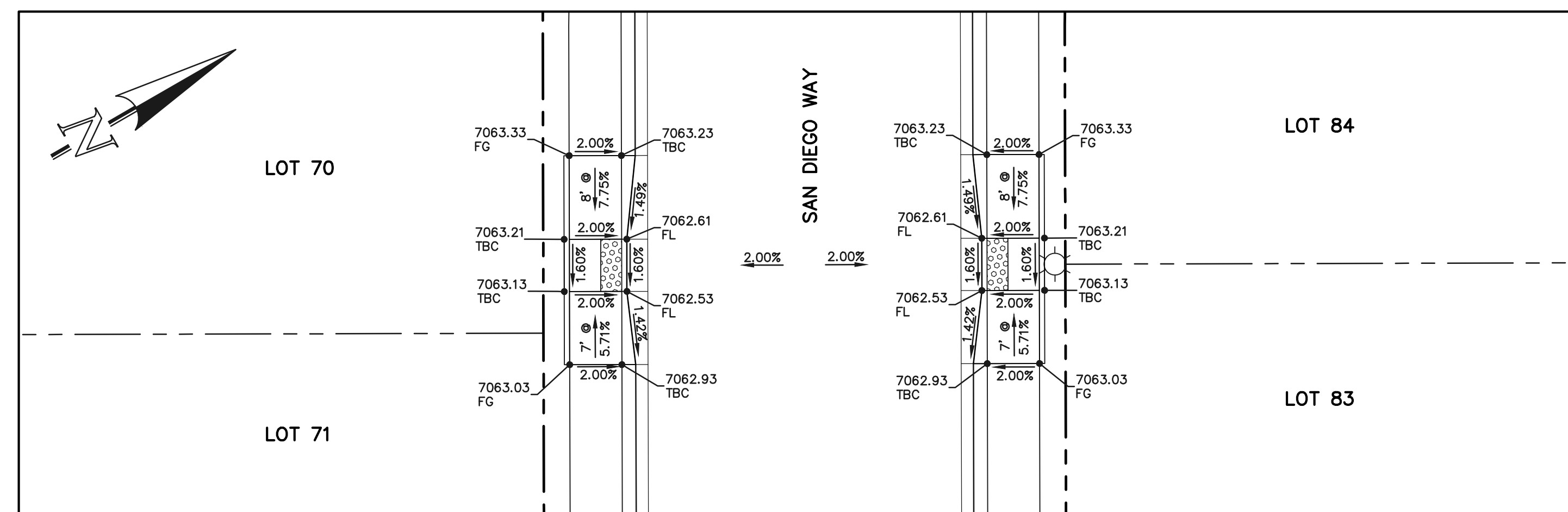




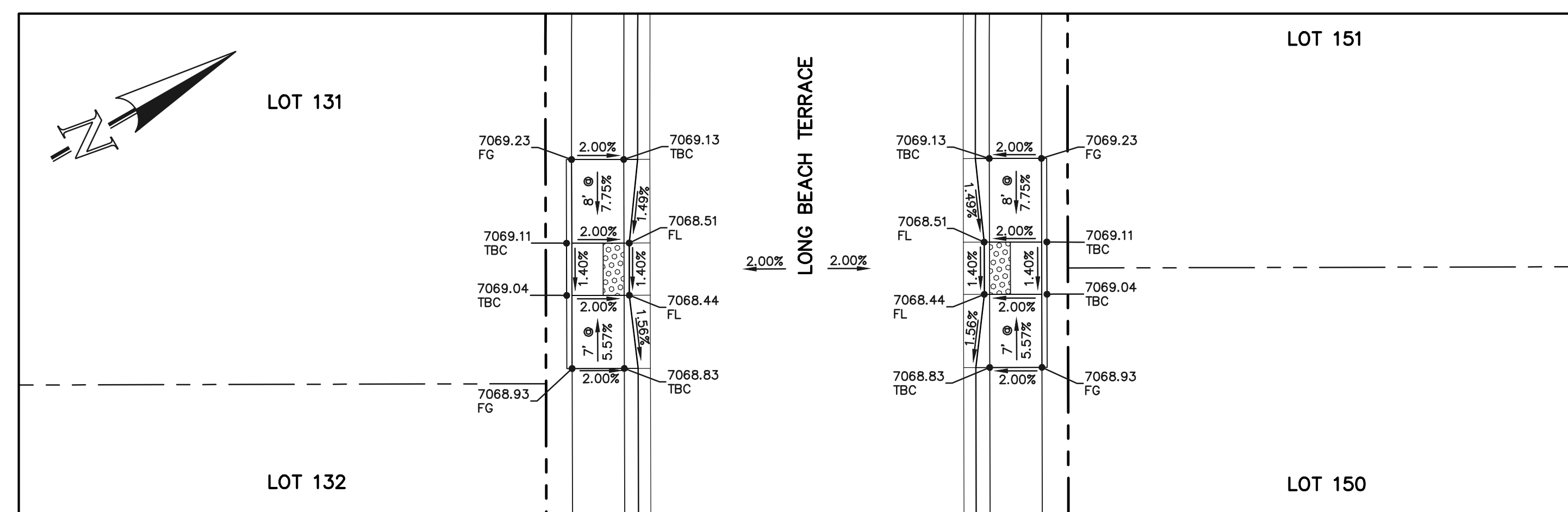
SECTION 'P'



SECTION 'Q'

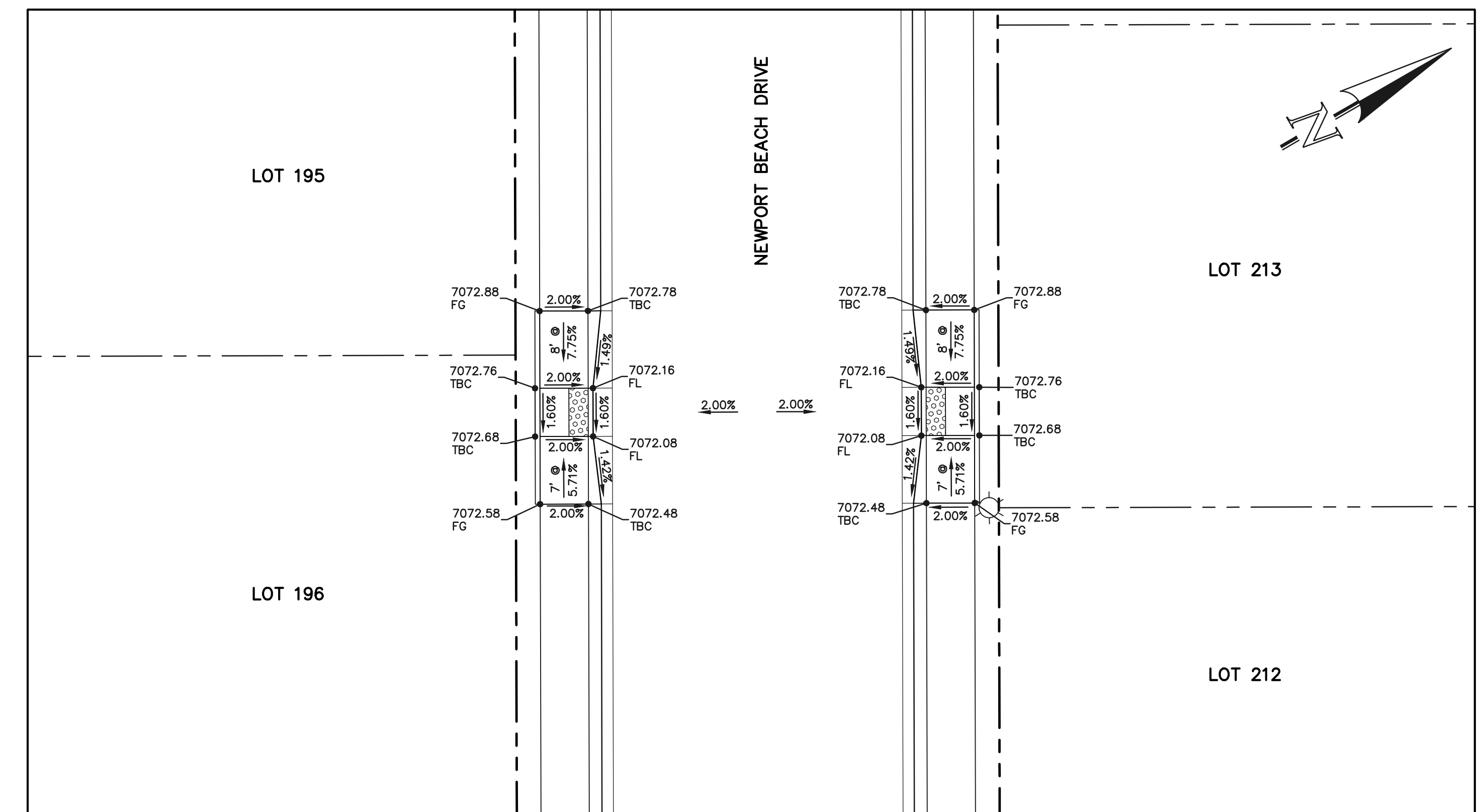


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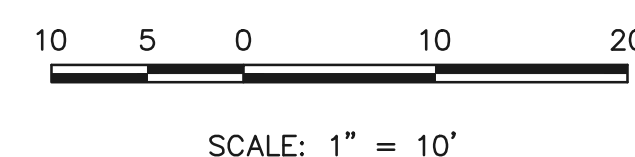


SECTION 'S'

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SECTION 'T'



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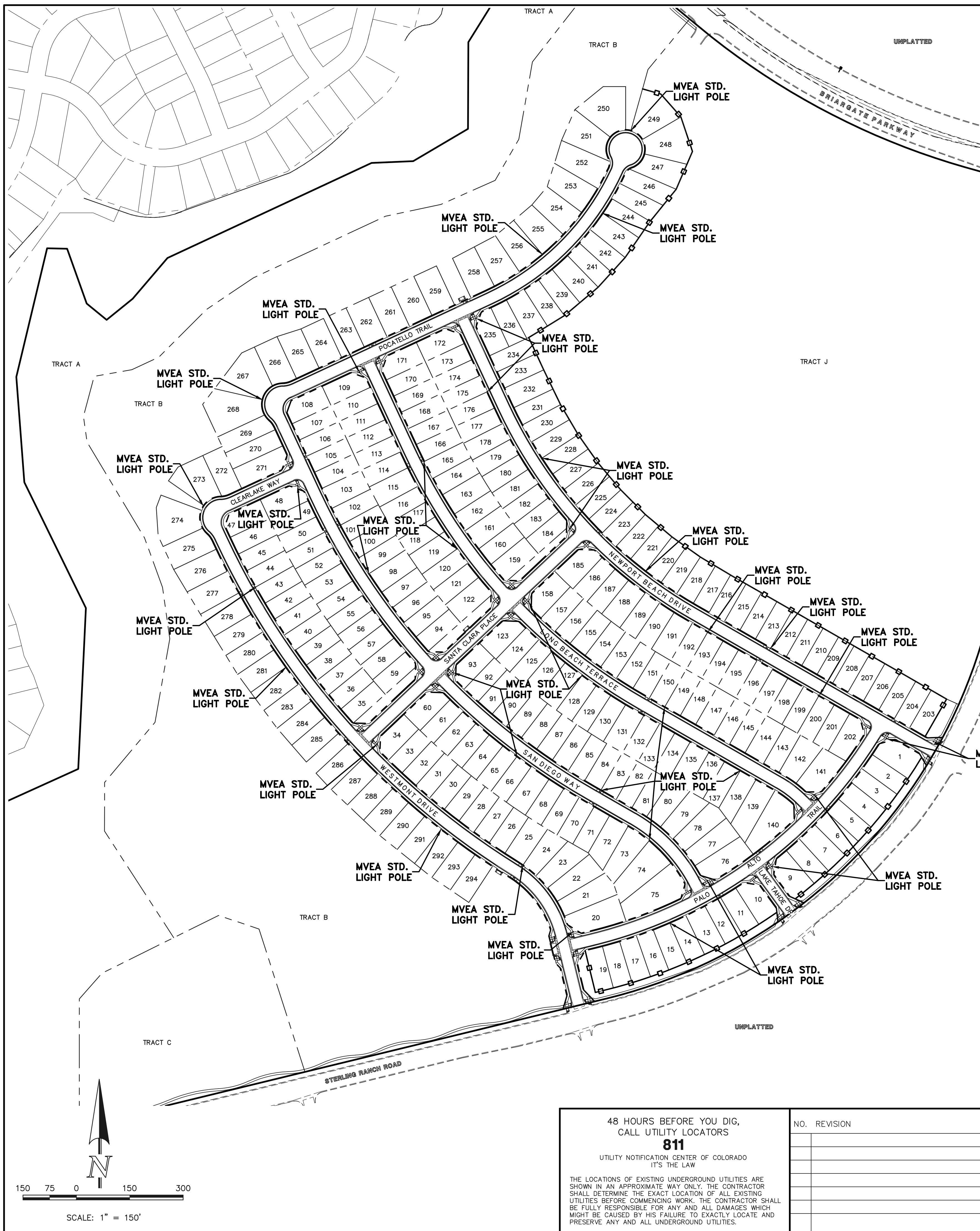
DATE: 02/28/24

PCD FILE #SF-22-035

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 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





### 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](http://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 (680).  
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 RS 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 10LEDE35 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 RS Type V	AY Acrylic PY Polycarbonate	Paints (blank) BY Gray DBB Dark Bronze WH White BZ Bronze

Miscellaneous: 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

Accessories: 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 43023  
www.americanelectriclighting.com  
© 2017 Acuity Brands Lighting, Inc. All Rights Reserved. 07/20/17

**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**

**CMT** 145 World Street, E.4th, SC 29118, 803-416-4276, www.cmtpoles.com

**MOUNTAIN VIEW**

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

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

QUANTITY: JOB NUMBER: APPD BY: REMARKS: QUOTE: DATE: 02/28/24

PCD FILE #SF-22-035

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NO. REVISION	DATE	REVIEW:

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KYLE R. CAMPBELL, PROFESSIONAL ENGINEER, #29794

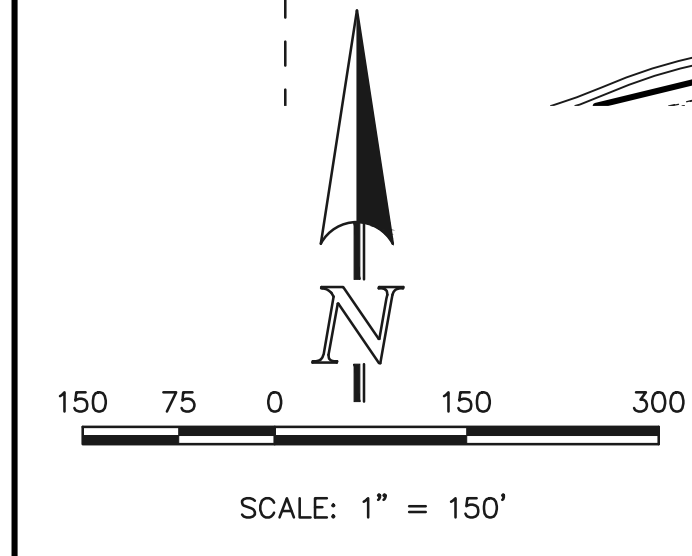
02/28/24 DATE

**CLASSIC CONSULTING**

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

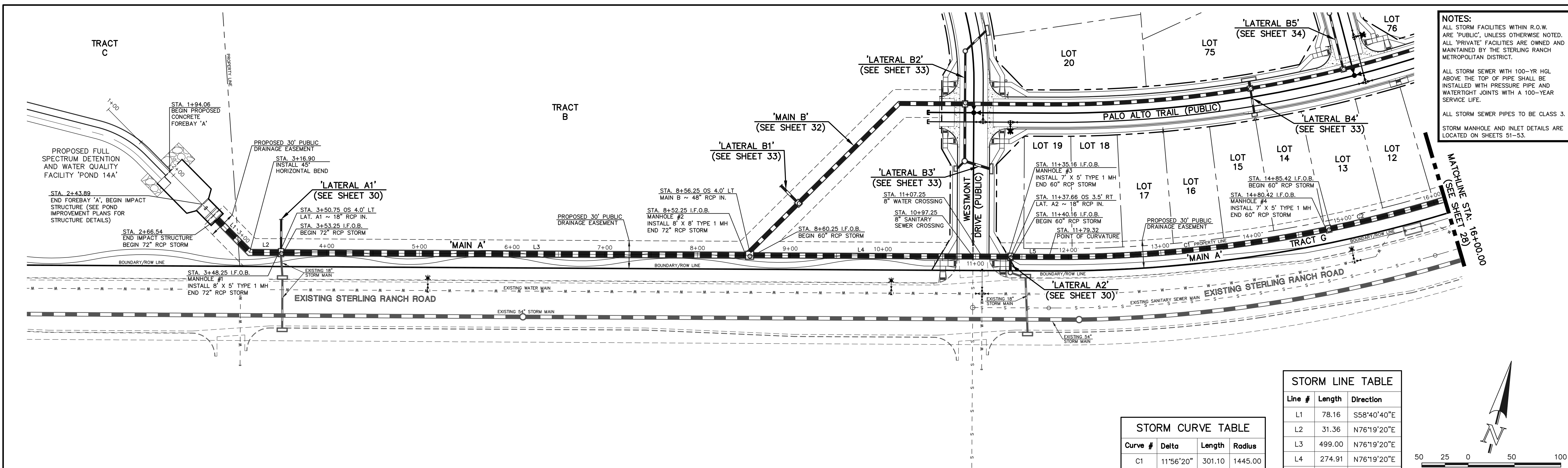
**STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS PUBLIC STREET IMPROVEMENT PLAN STREET LIGHT POLE LOCATION**

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\CAD\STREETLIGHTS\22-035-17-streetlights.dwg, 2/29/2024, 10:35:25 AM, 1:1

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

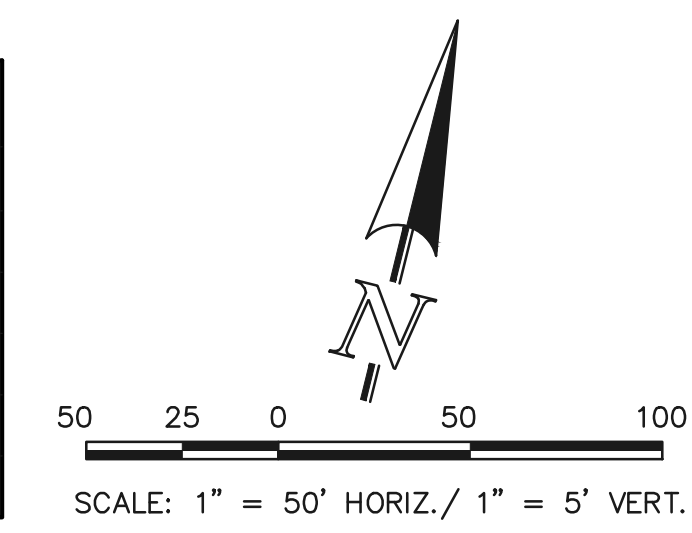


**STORM LINE TABLE**

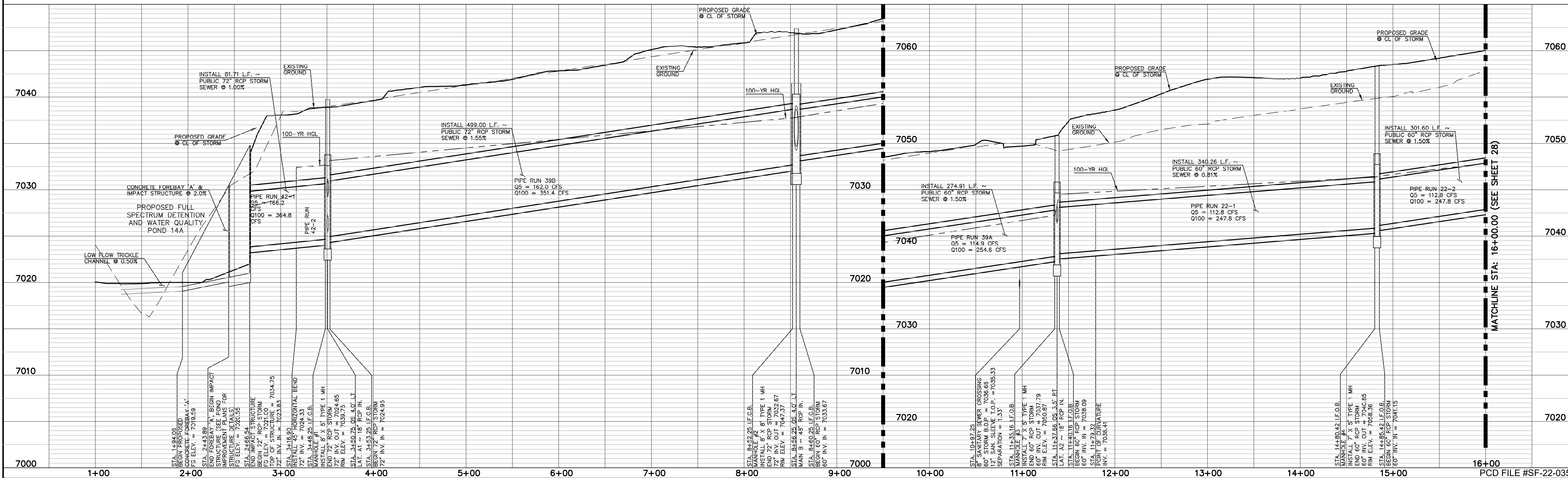
Line #	Length	Direction
L1	78.16	S58°40'40"E
L2	31.36	N76°19'20"E
L3	499.00	N76°19'20"E
L4	274.91	N76°19'20"E
L5	39.17	N76°19'18"E

**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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 KYLE R. CAMPBELL  
 PROFESSIONAL ENGINEER  
 #29794

02/28/24  
 DATE

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 Colorado Springs, Colorado 80903

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

STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 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	

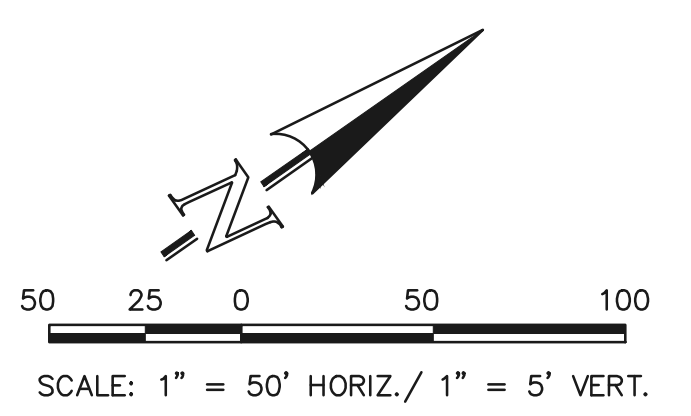
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**STORM LINE TABLE**

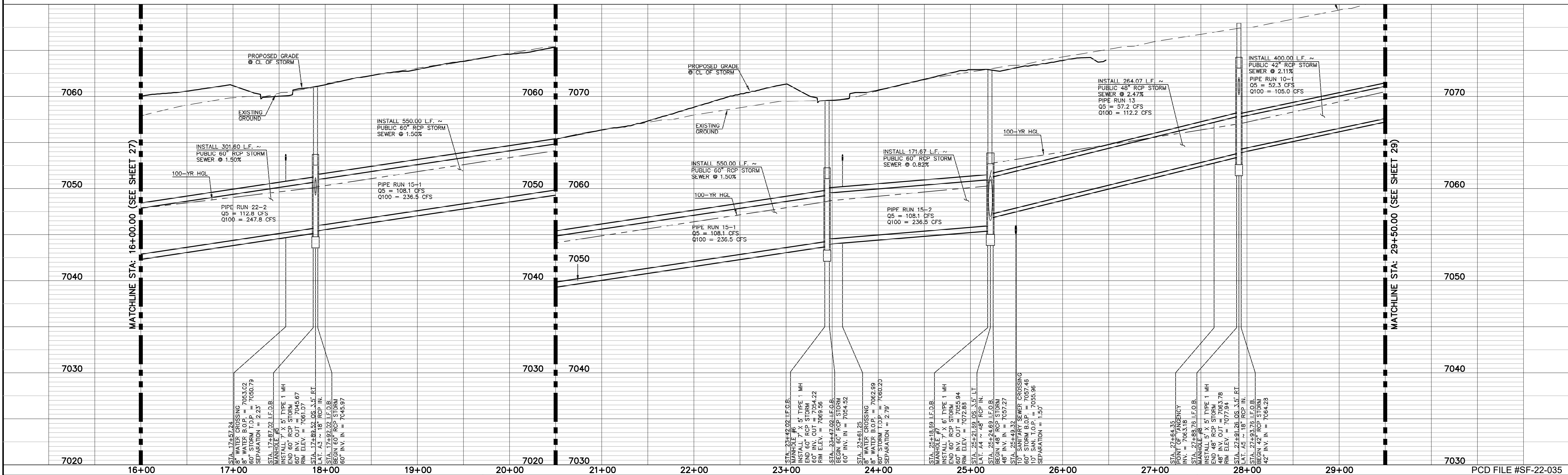
Line #	Length	Direction
L6	24.41	N13°28'29"E
L7	400.00	N13°28'29"E

**STORM CURVE TABLE**

Curve #	Delta	Length	Radius
C2	11°57'31"	301.60	1445.00
C3	21°48'29"	550.00	1445.00
C4	6°48'24"	171.67	1445.00
C5	9°30'10"	239.66	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
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KYLE R. CANNON, P.E. #29784

DATE: 02/28/24

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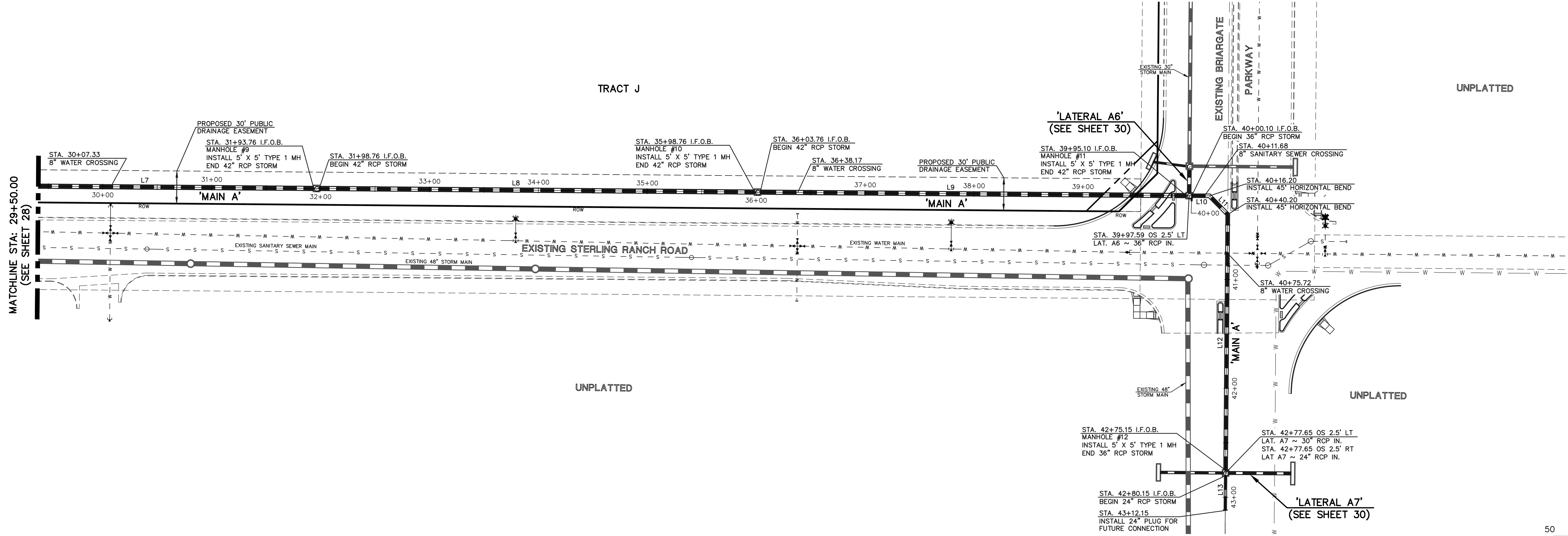
619 N. Cascade Avenue, Suite 200  
 Colorado Springs, Colorado 80903

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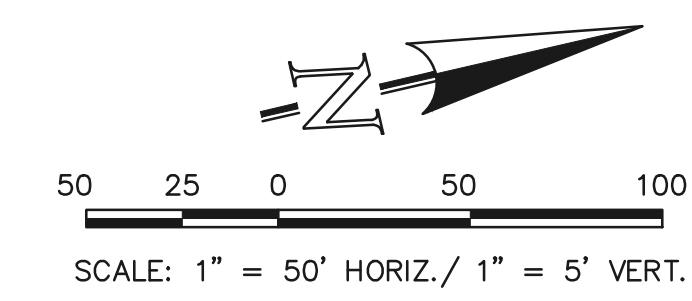
STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 STORM SEWER PLAN  
 "MAIN A" STA: 16+00 - STA: 29+50

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	

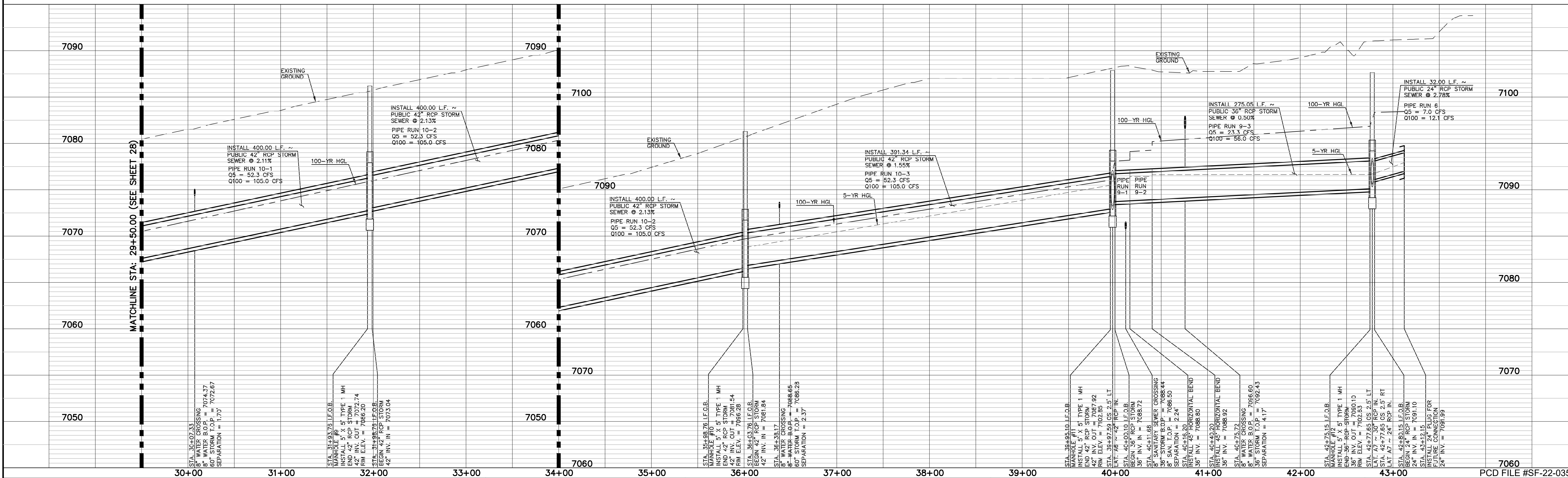
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Line #	Length	Direction
L7	400.00	N13°28'29"E
L8	400.00	N13°28'29"E
L9	391.34	N13°28'29"E
L10	16.11	N13°28'29"E
L11	24.00	N58°28'29"E
L12	234.95	S76°31'31"E
L13	32.00	N76°31'31"W



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



**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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 PROFESSIONAL ENGINEER  
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02/28/24  
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**CLASSIC CONSULTING**

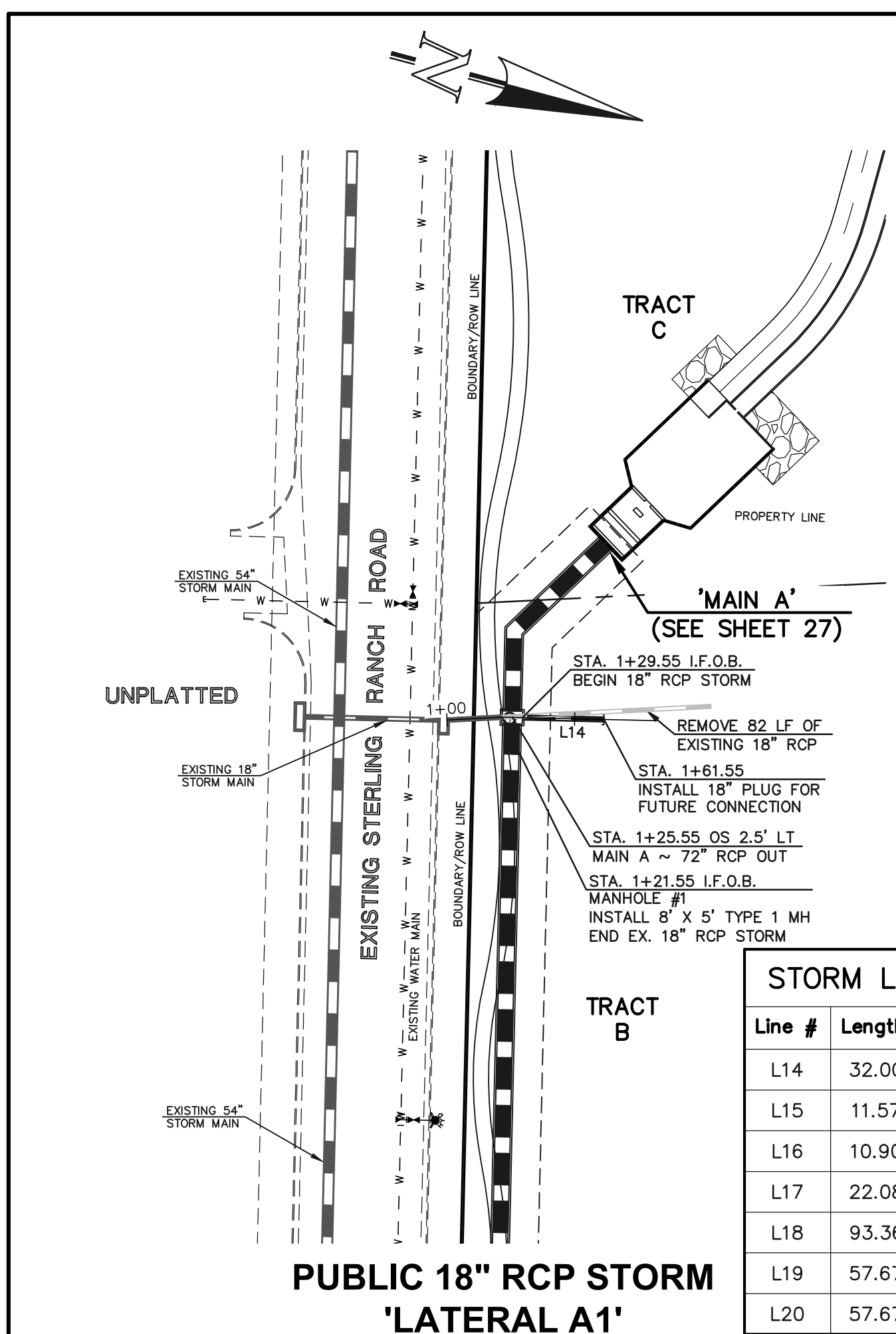
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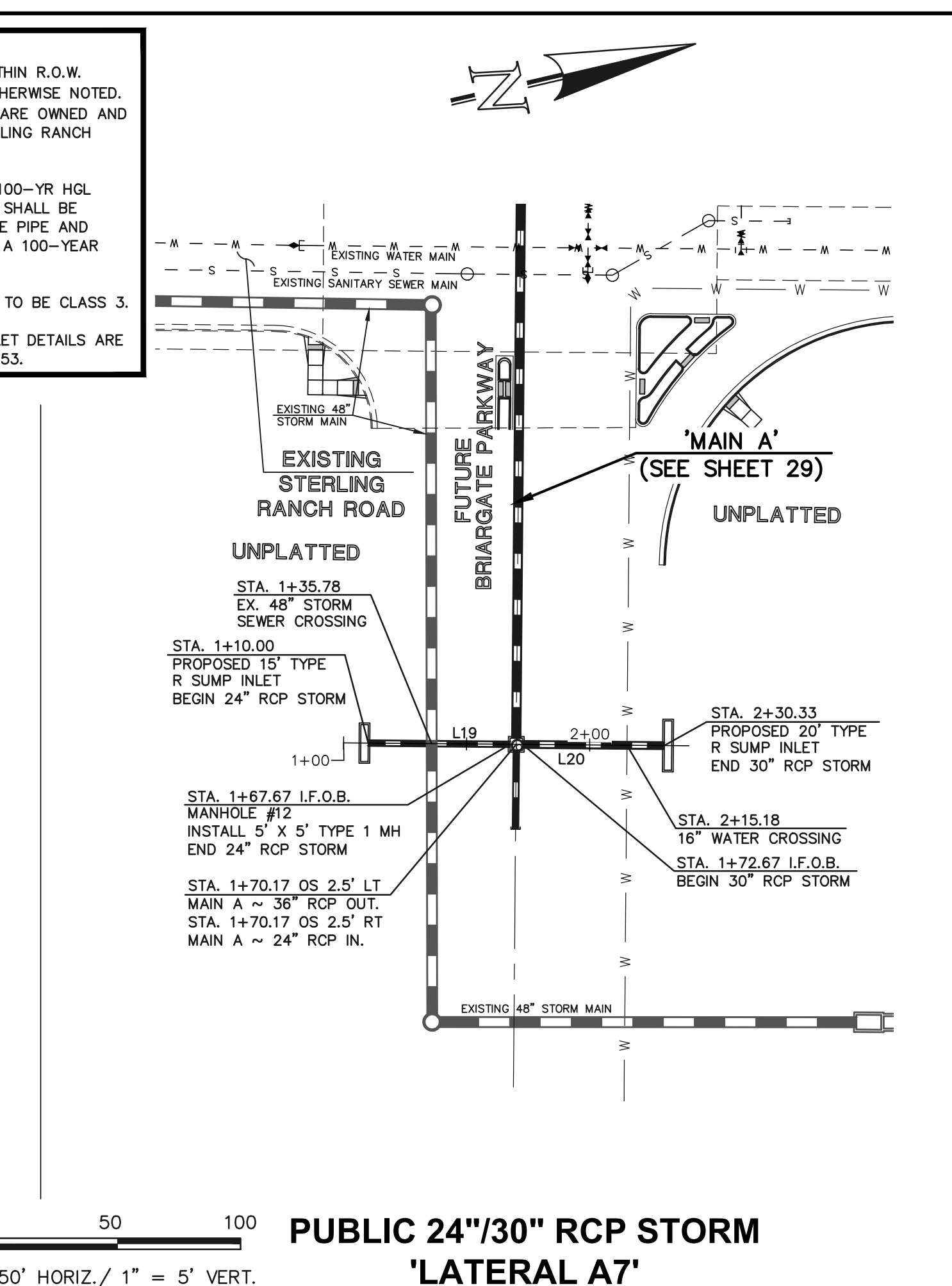
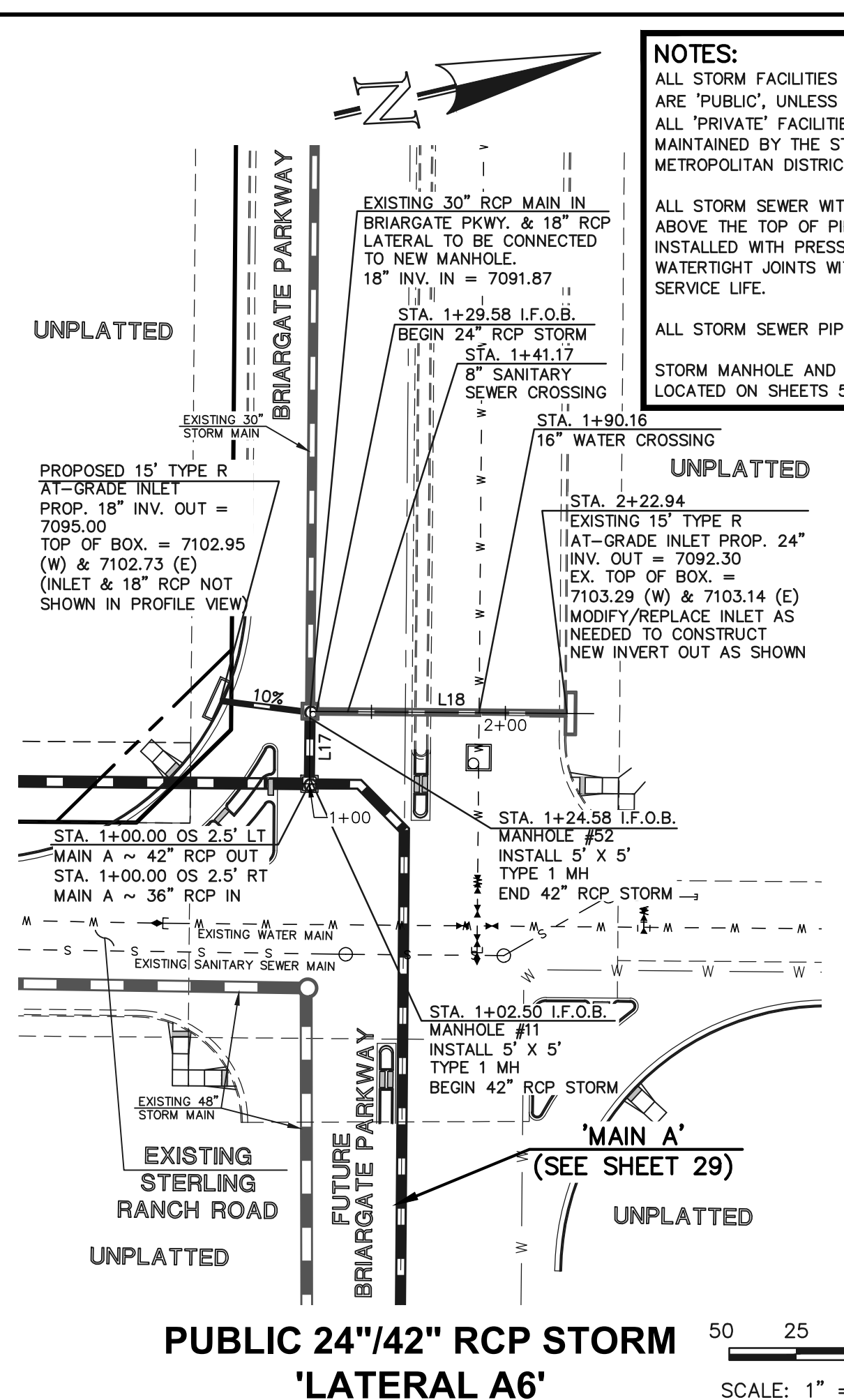
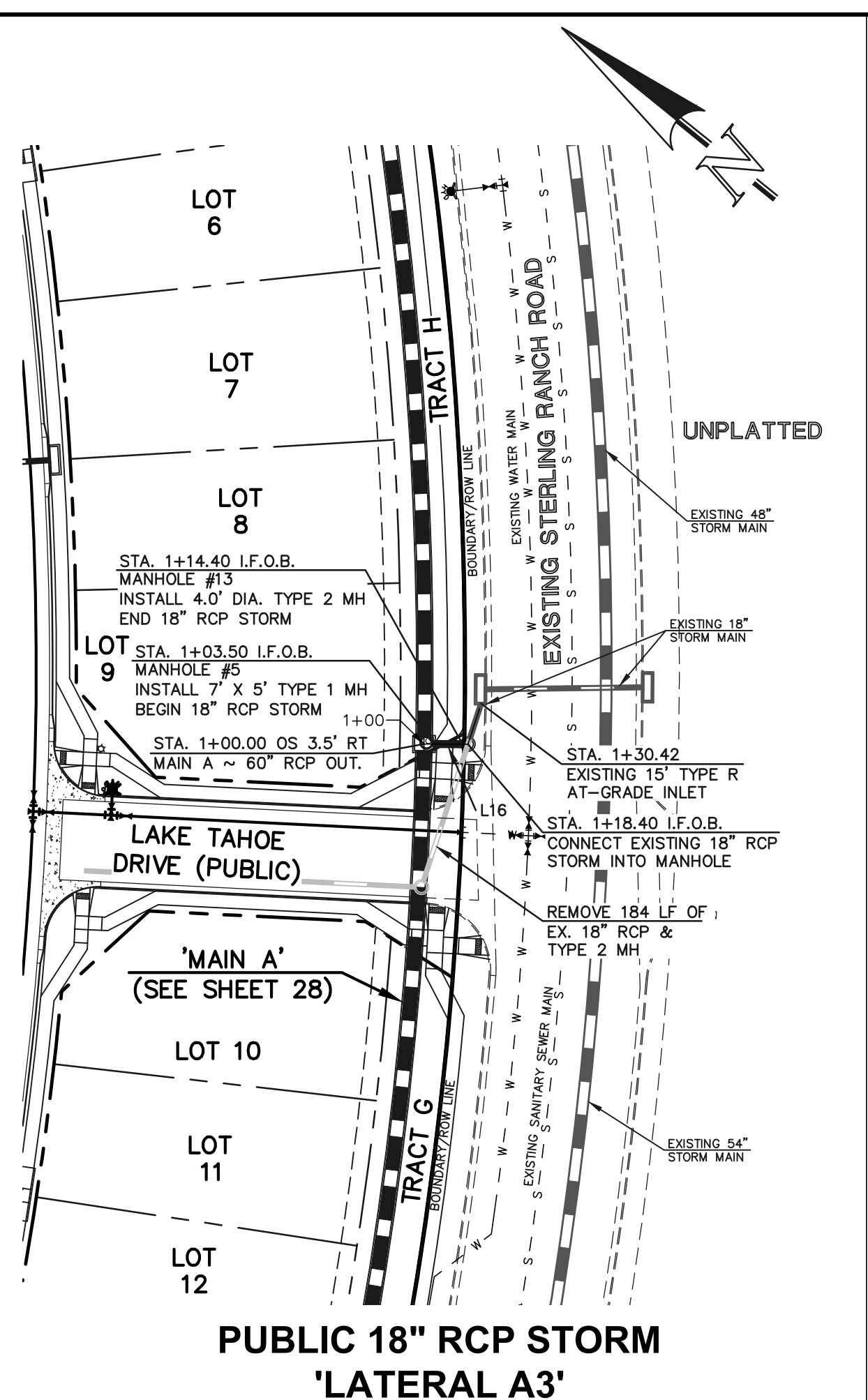
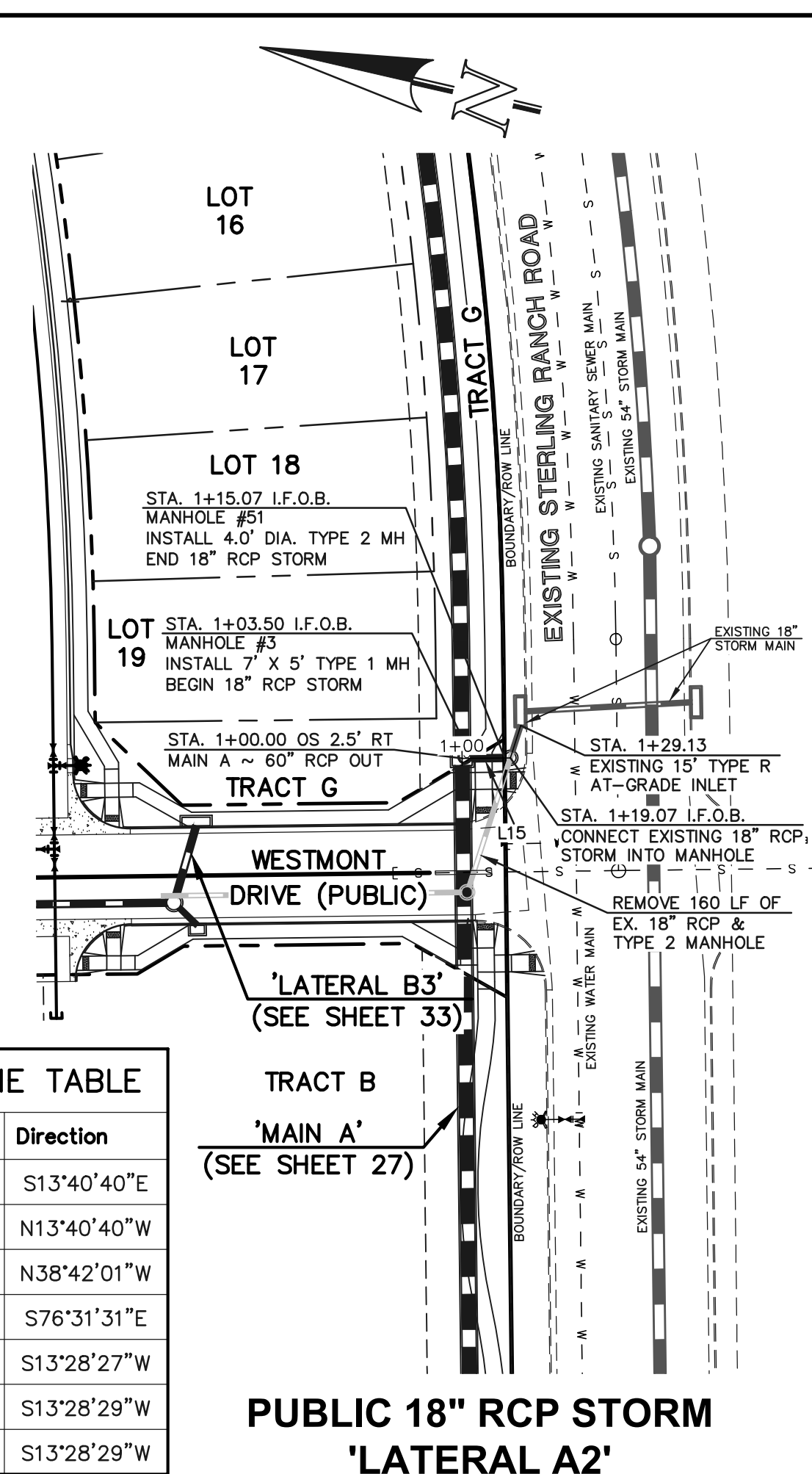
STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 STORM SEWER PLAN  
 "MAIN A" STA: 29+50 - END

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	

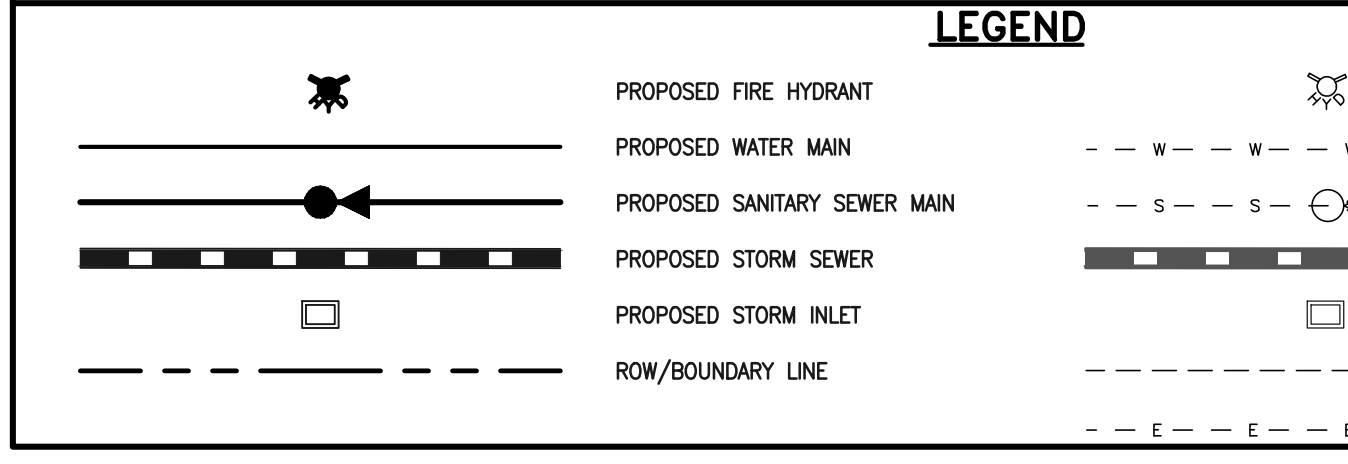
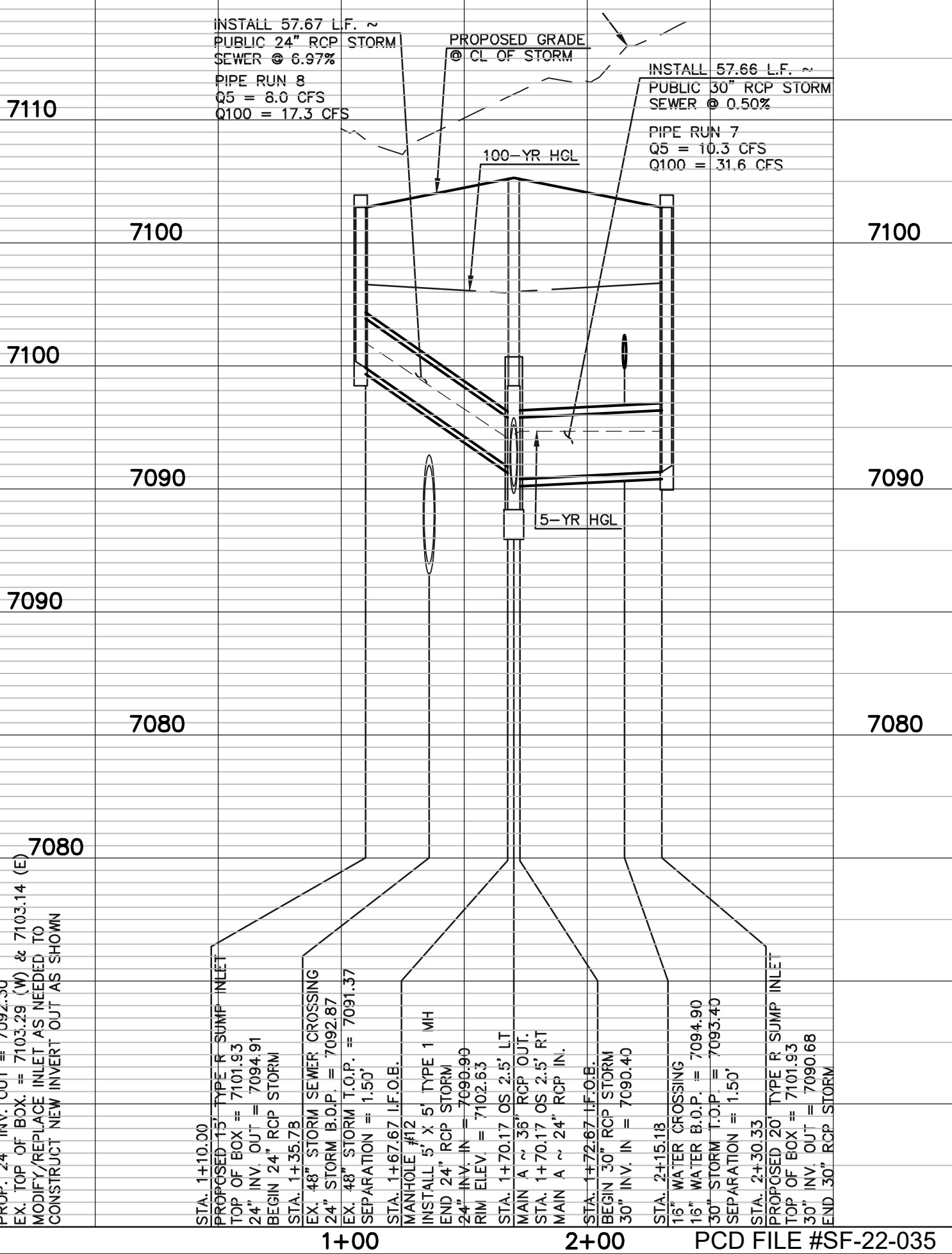
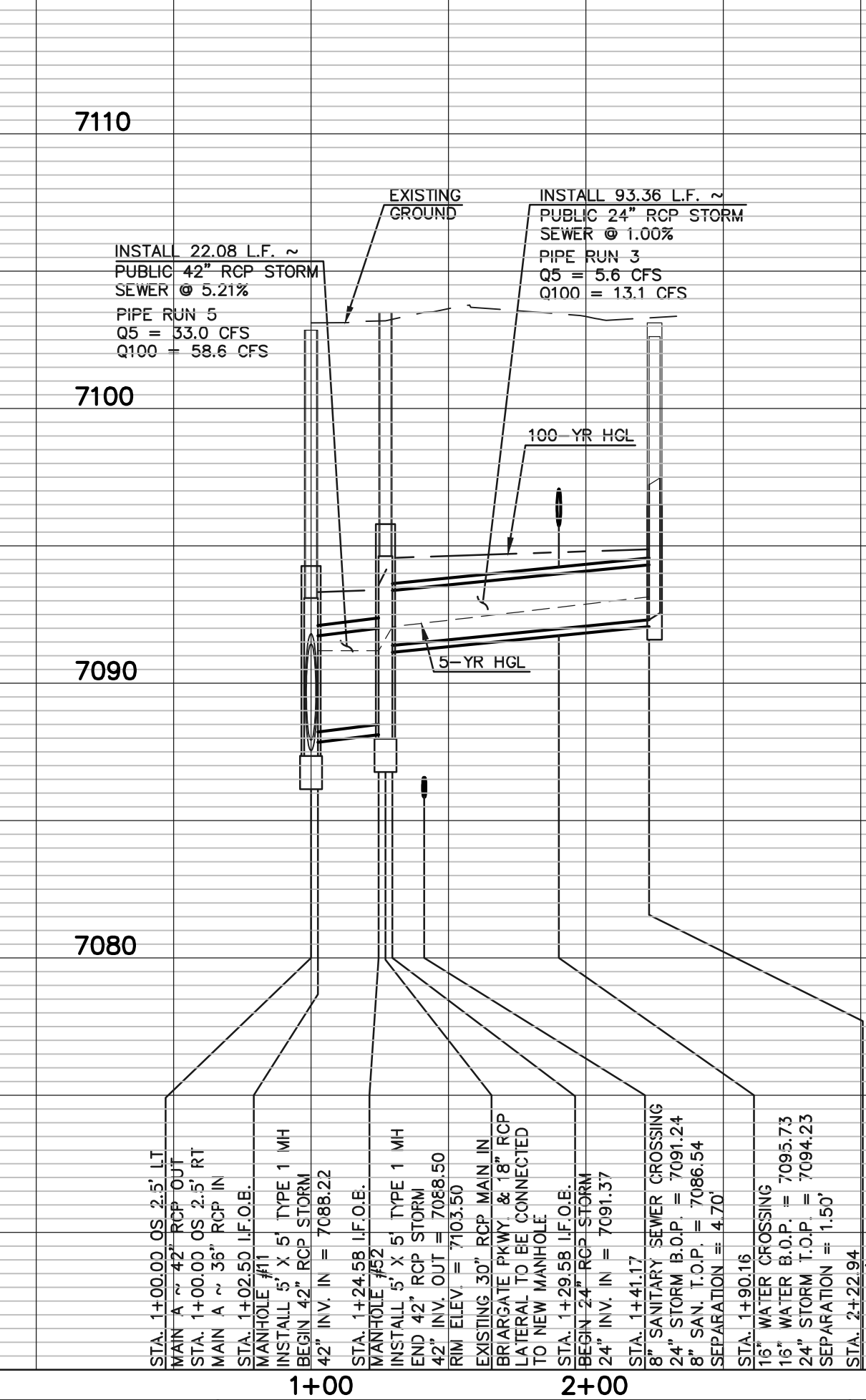
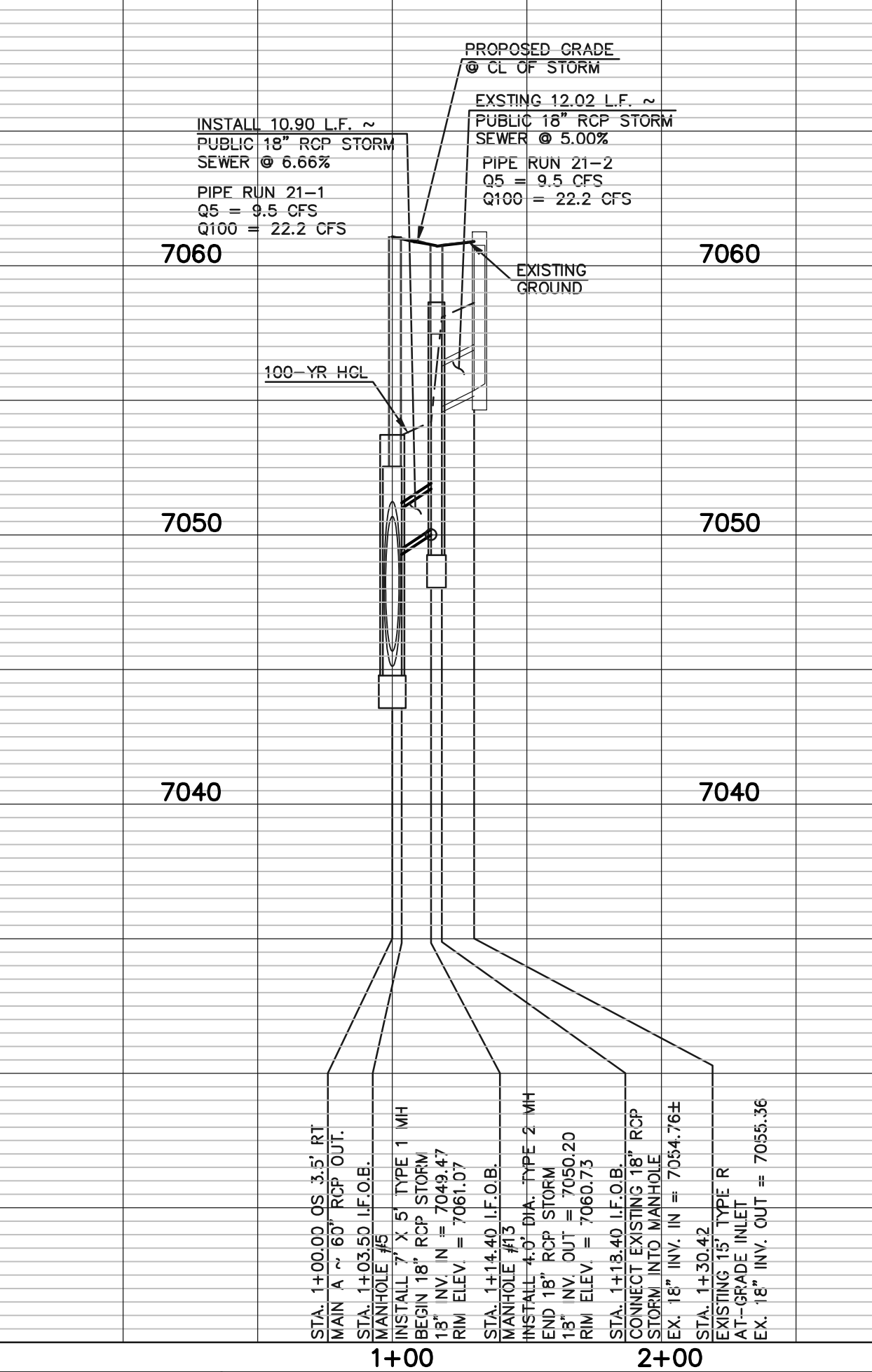
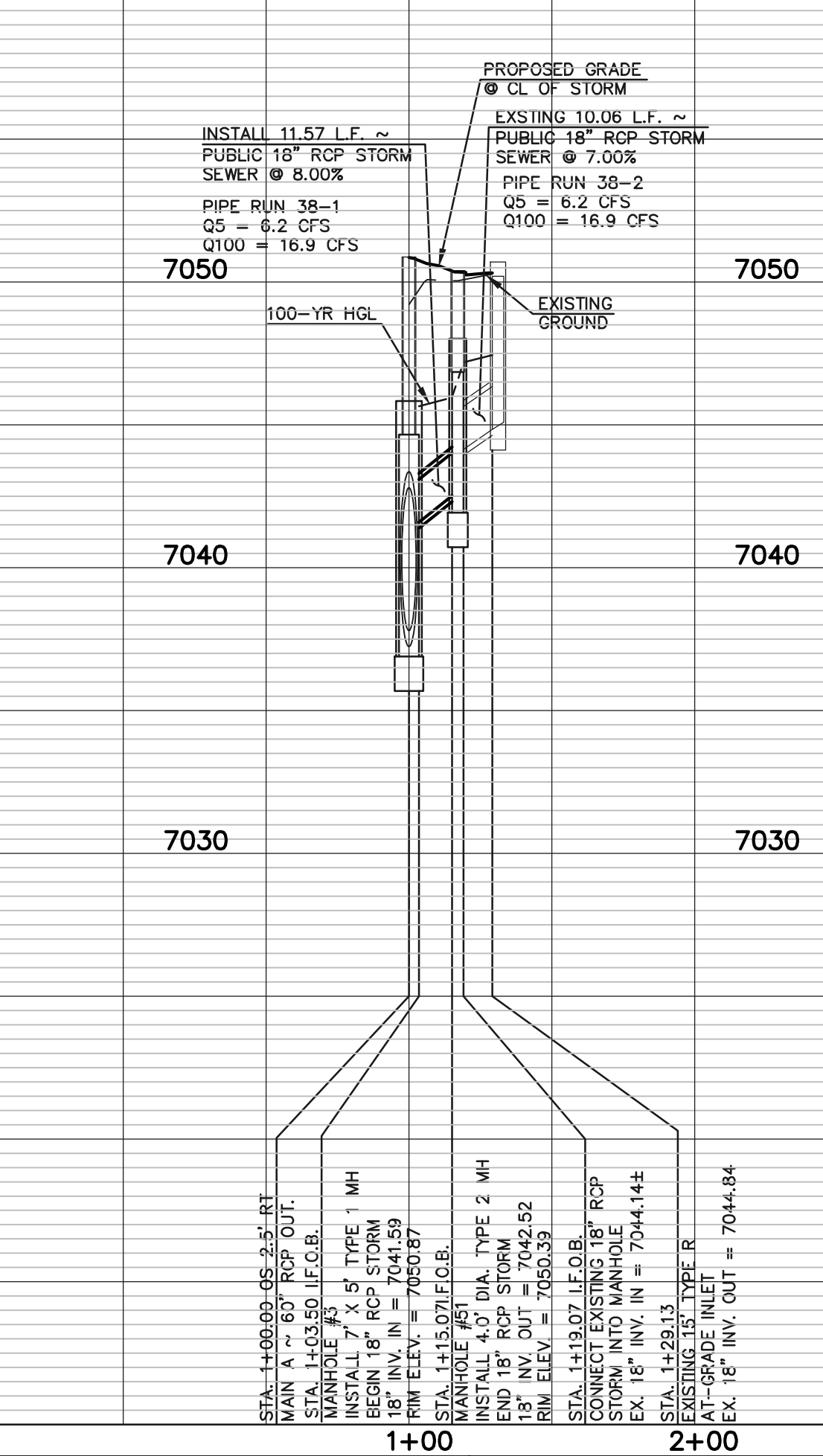
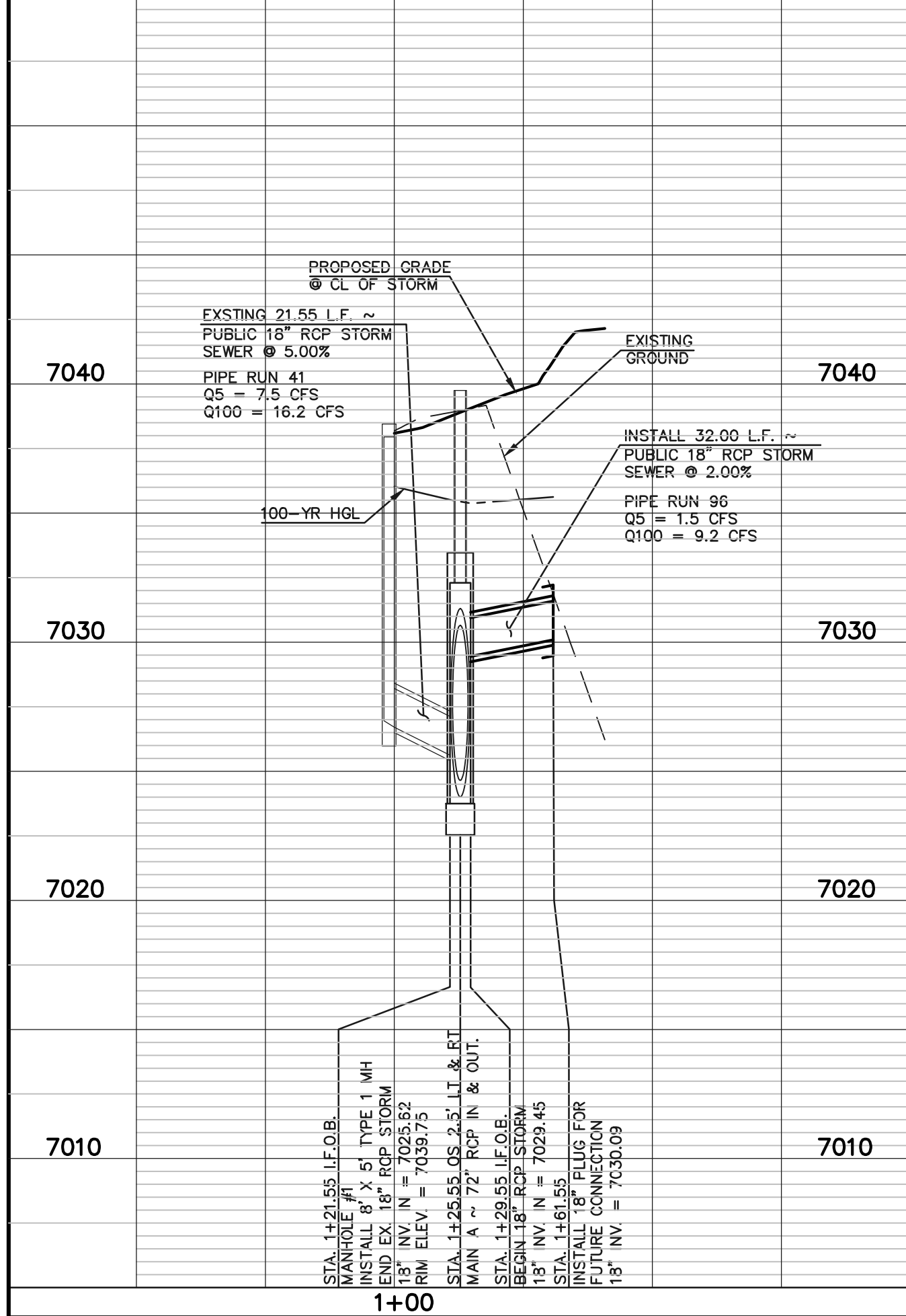
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Line #	Length	Direction
L14	32.00	S13°40'40"E
L15	11.57	N13°40'40"W
L16	10.90	N38°42'01"W
L17	22.08	S76°31'31"E
L18	93.36	S13°28'27"W
L19	57.67	S13°28'29"W
L20	57.67	S13°28'29"W



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



**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

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. CAMERON  
 COLORADO LICENSED PROFESSIONAL ENGINEER #29794

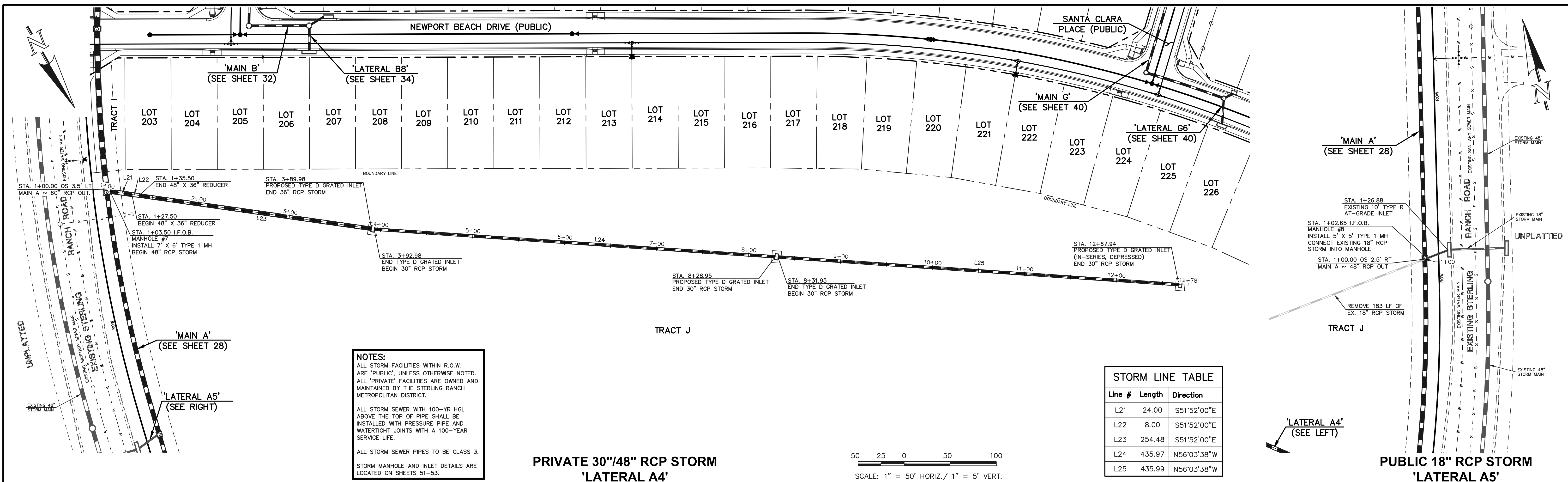
02/28/24  
 DATE

STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 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

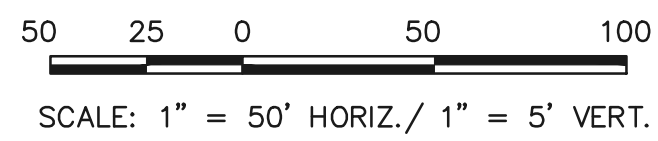
**CLASSIC CONSULTING**

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



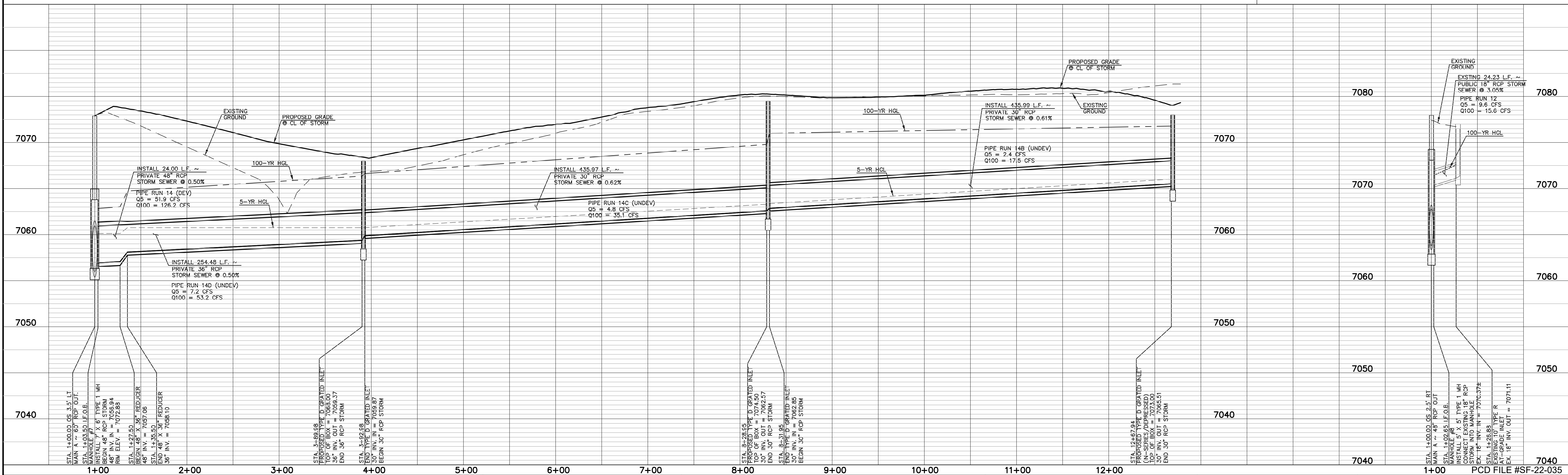
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 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

Line #	Length	Direction
L21	24.00	S51°52'00"E
L22	8.00	S51°52'00"E
L23	254.48	S51°52'00"E
L24	435.97	N56°03'38"W
L25	435.99	N56°03'38"W



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

**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

*[Signature]*  
 KYLE R. CAMERON - COLORADO LICENSE #29794

02/28/24  
 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  
 STORM SEWER 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	

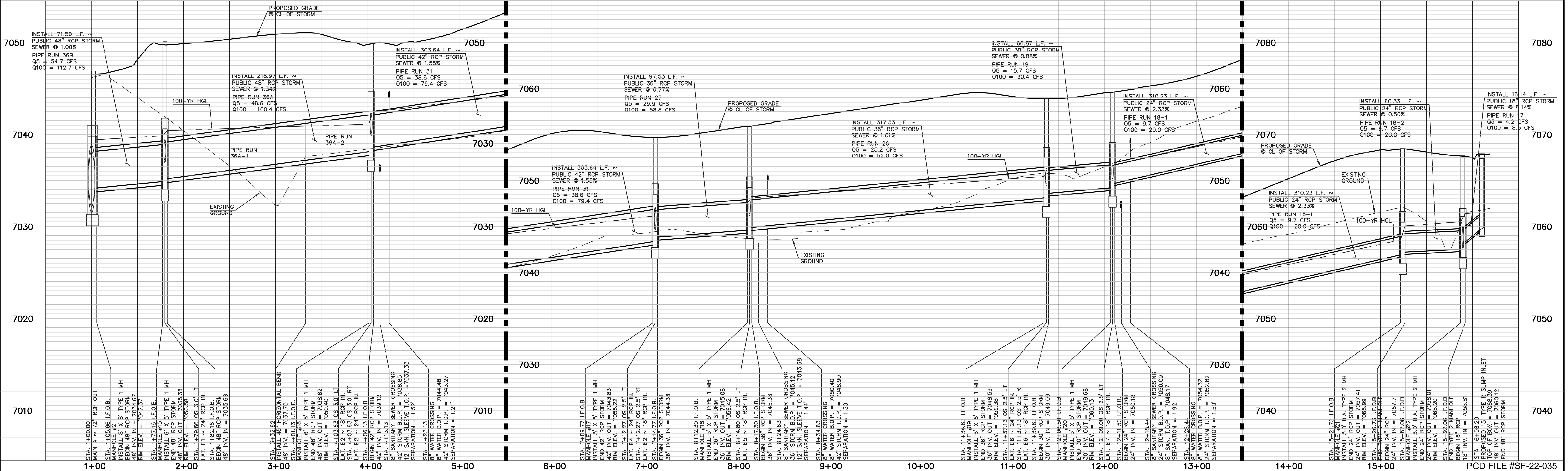
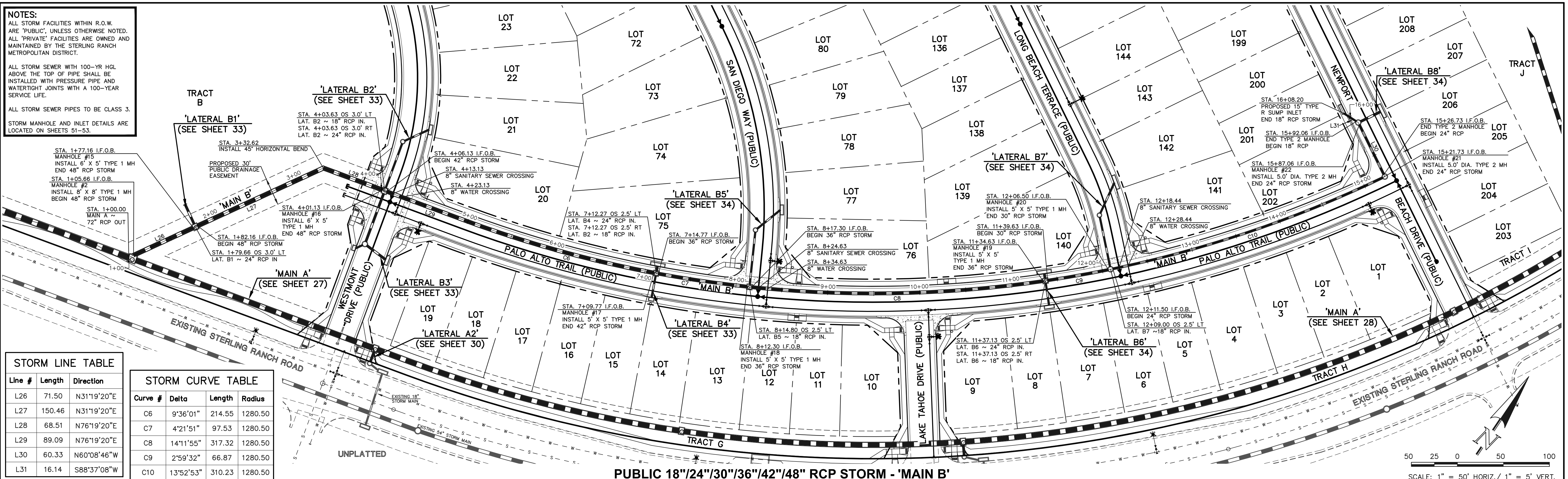
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 ALL STORM SEWER PIPES TO BE CLASS 3.  
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 51-53.

**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



**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 AND SURVEYORS, LLC

*Kyle R. Camm*  
 KYLE R. CAMM, PROFESSIONAL ENGINEER #29794

02/28/24  
 DATE

**CLASSIC CONSULTING**

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

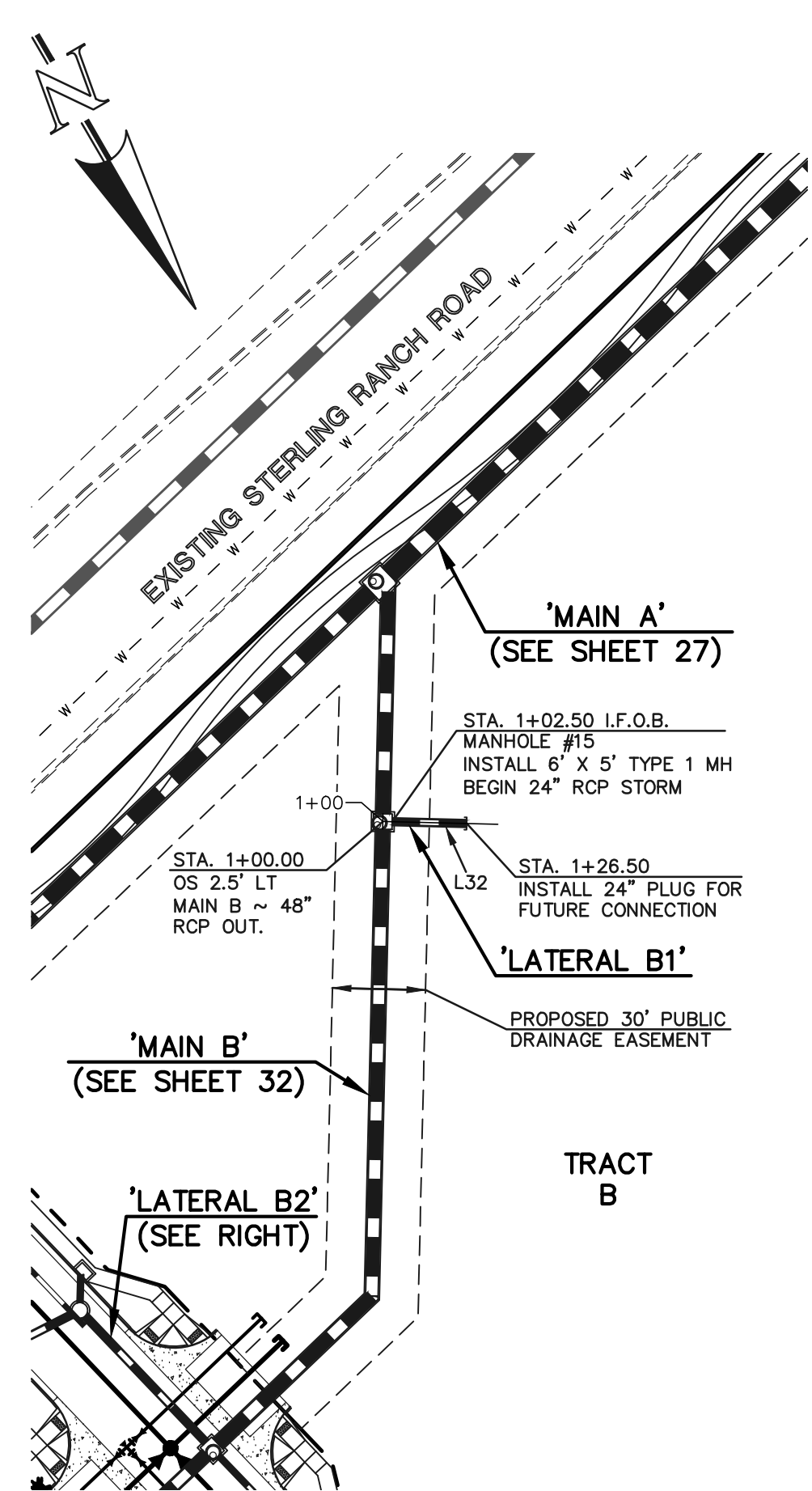
(719)785-0790  
 (719)785-0799(fax)

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

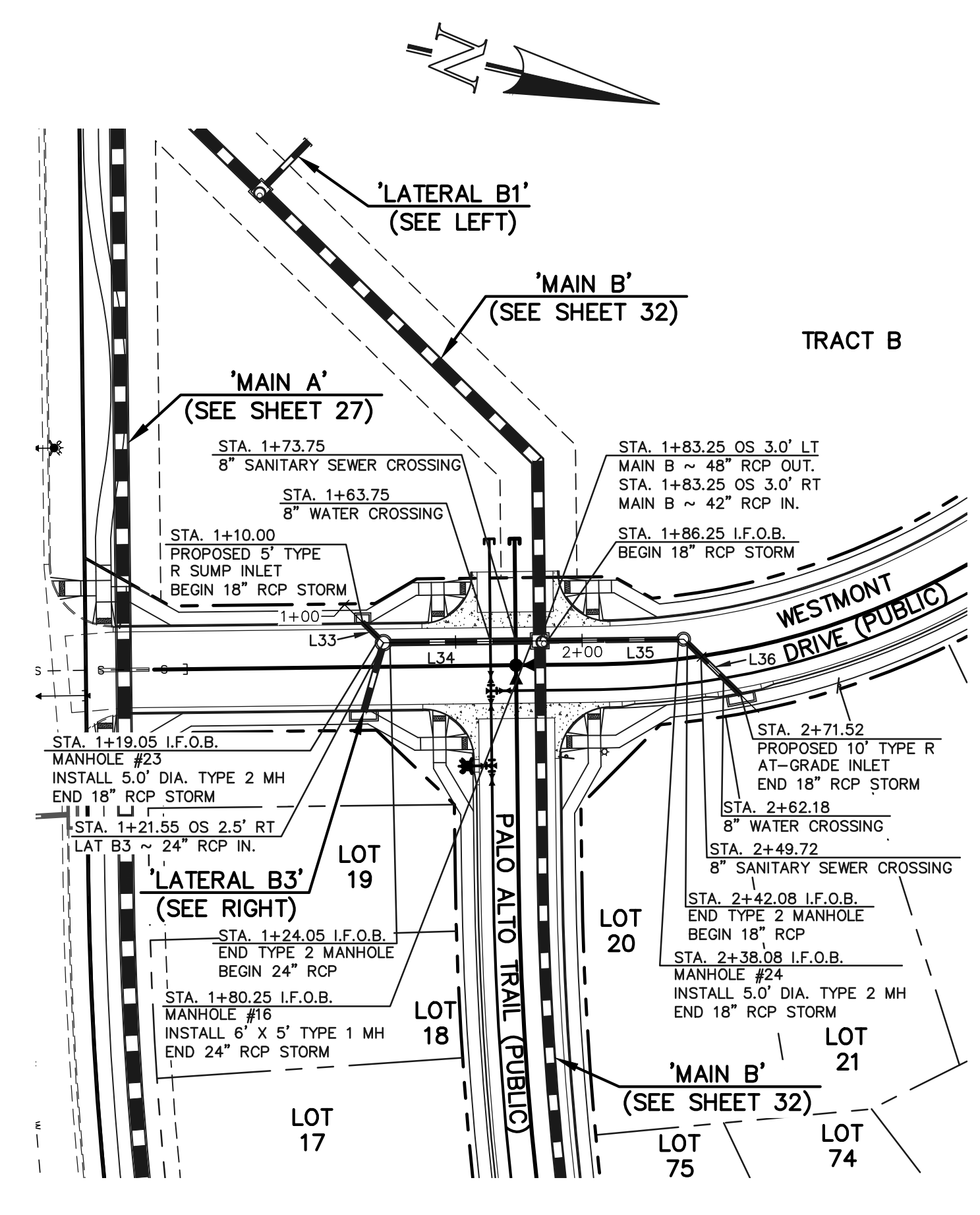
DESIGNED BY	MAL	SCALE	DATE	08/31/22
DRAWN BY	MES	(H) 1" = 50'	SHEET	32 OF 53
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.30	

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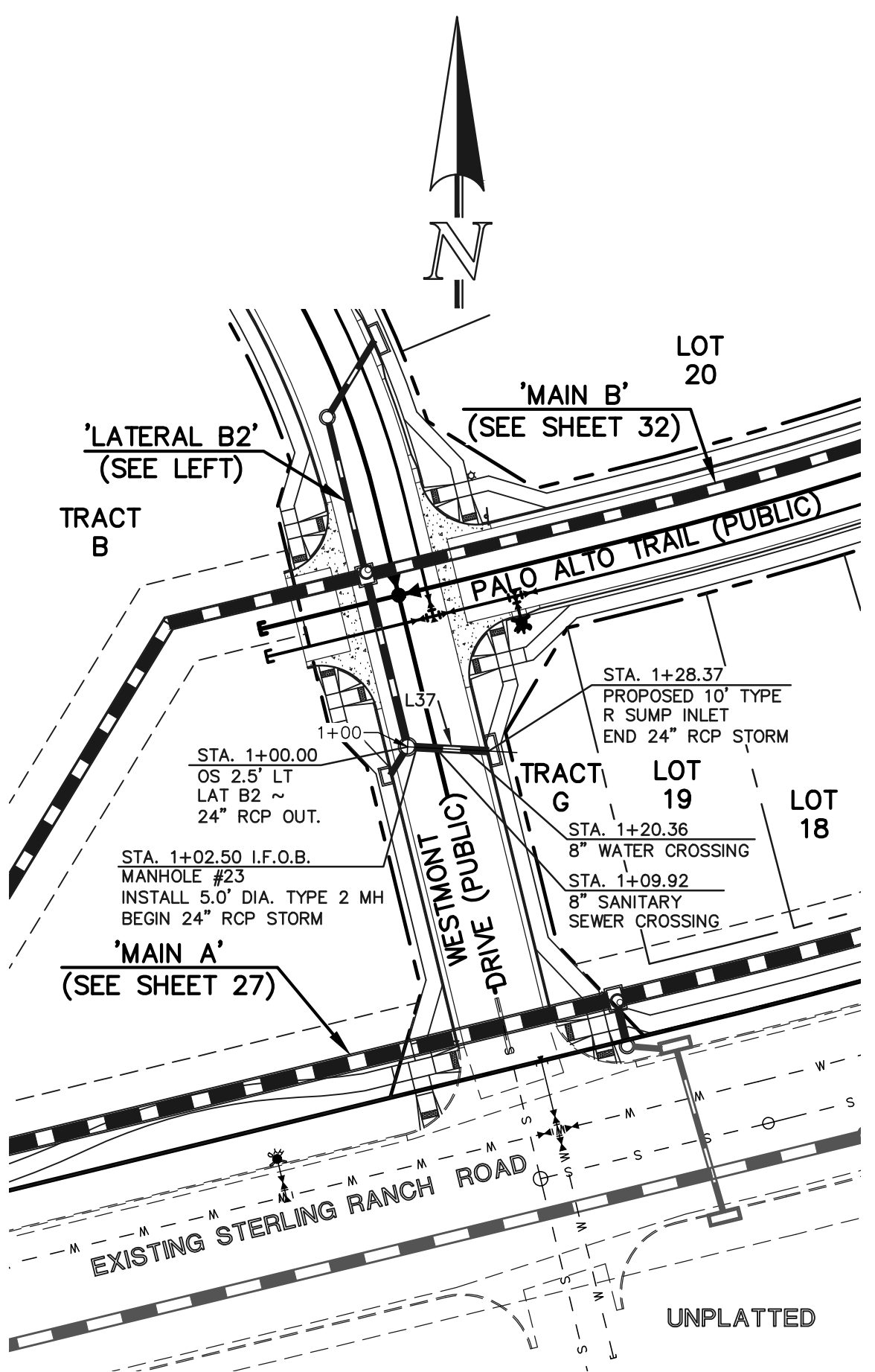
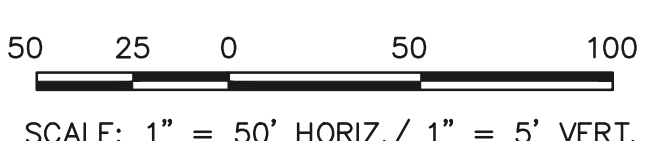
PRIVATE 24" RCP STORM  
'LATERAL B1'



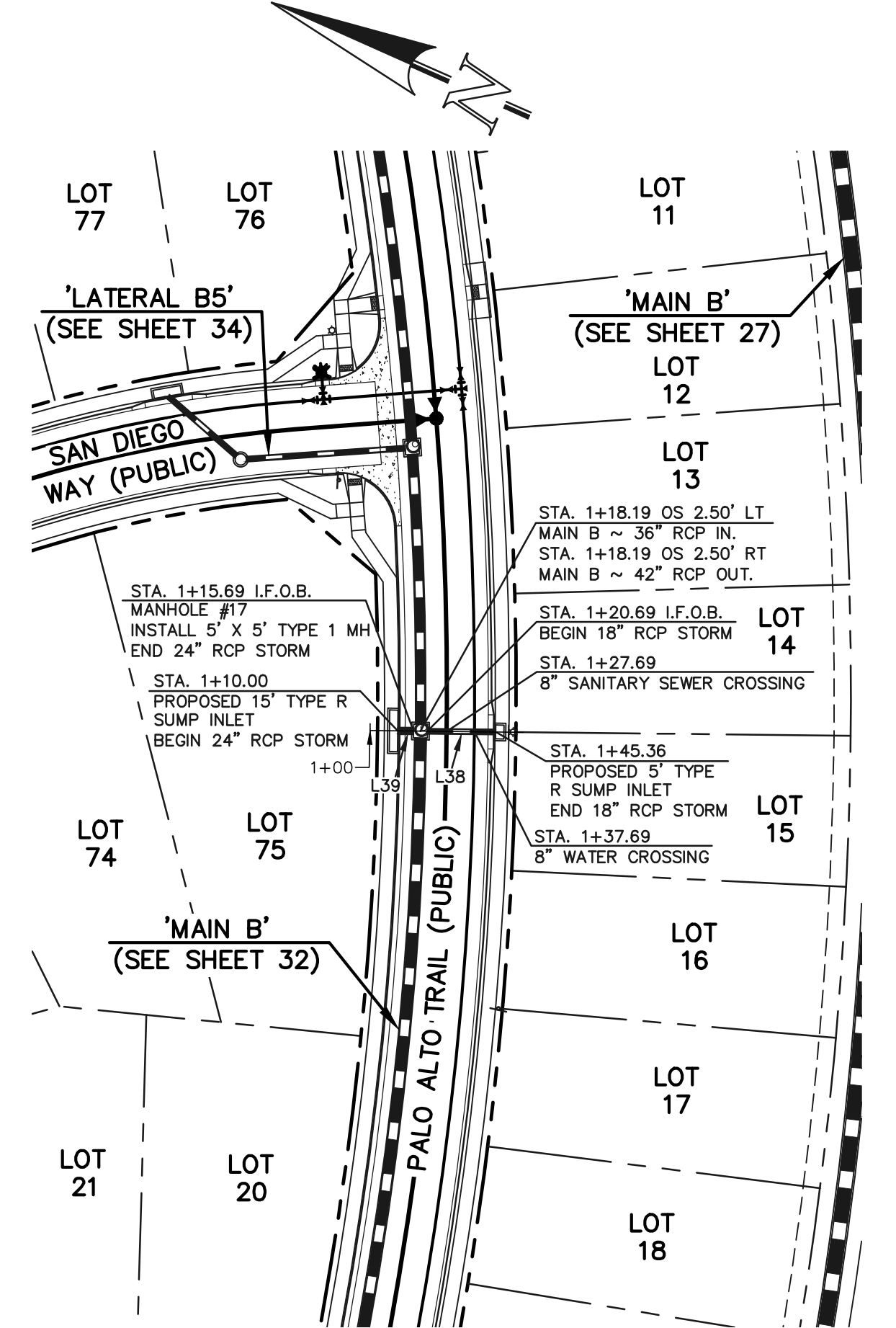
PUBLIC 18"/24" RCP STORM  
'LATERAL B2'

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

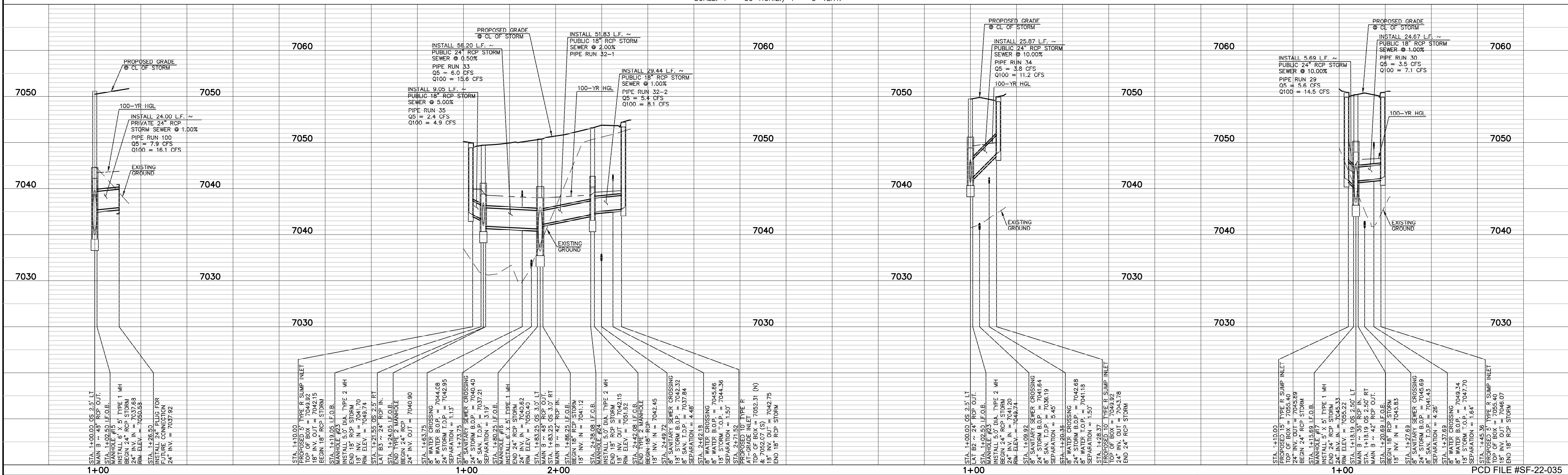
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PUBLIC 24" RCP STORM  
'LATERAL B3'



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



**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 DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CANNON, P.E. #29794

DATE: 02/28/24

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

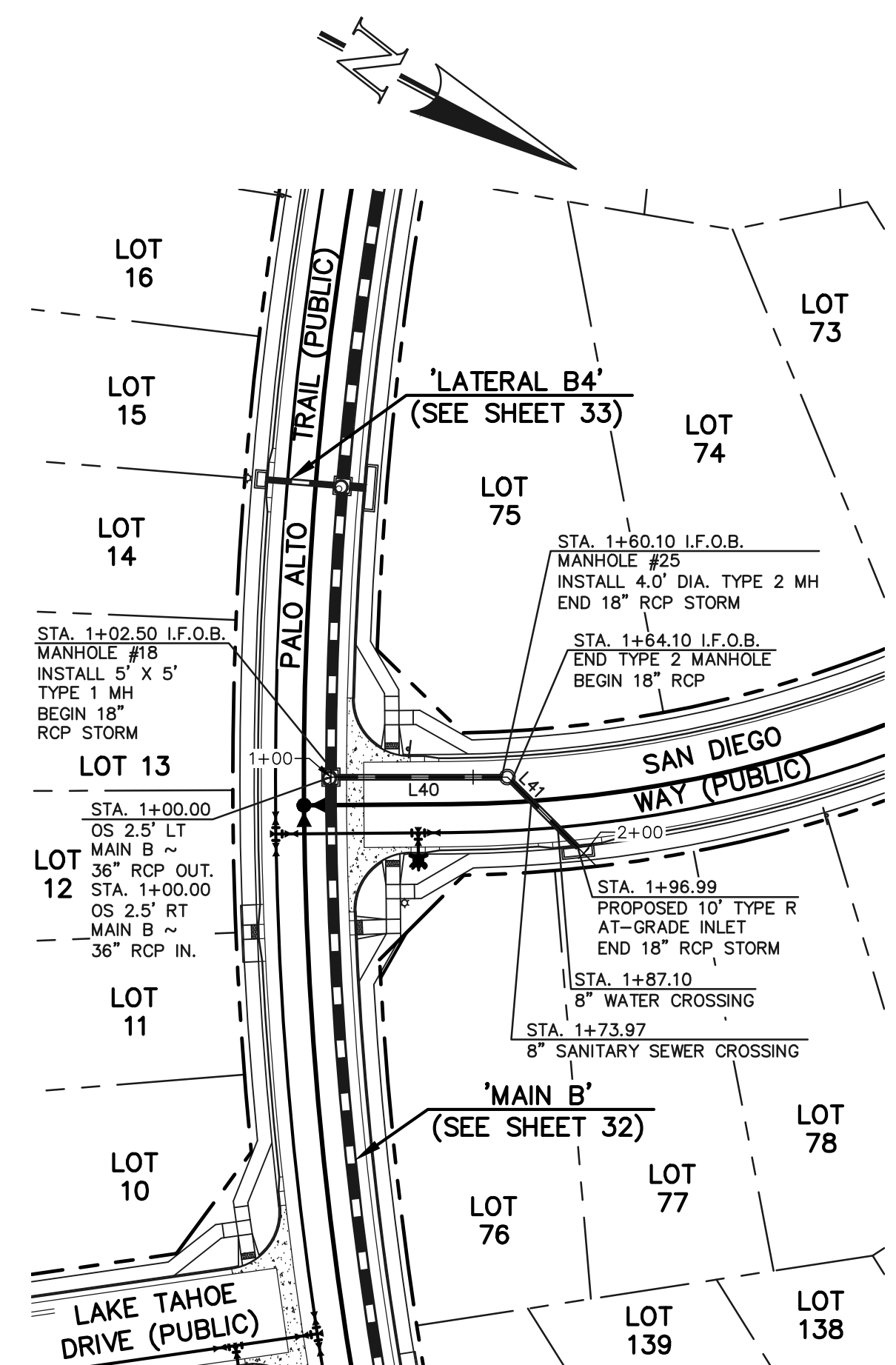
**CLASSIC CONSULTING**

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

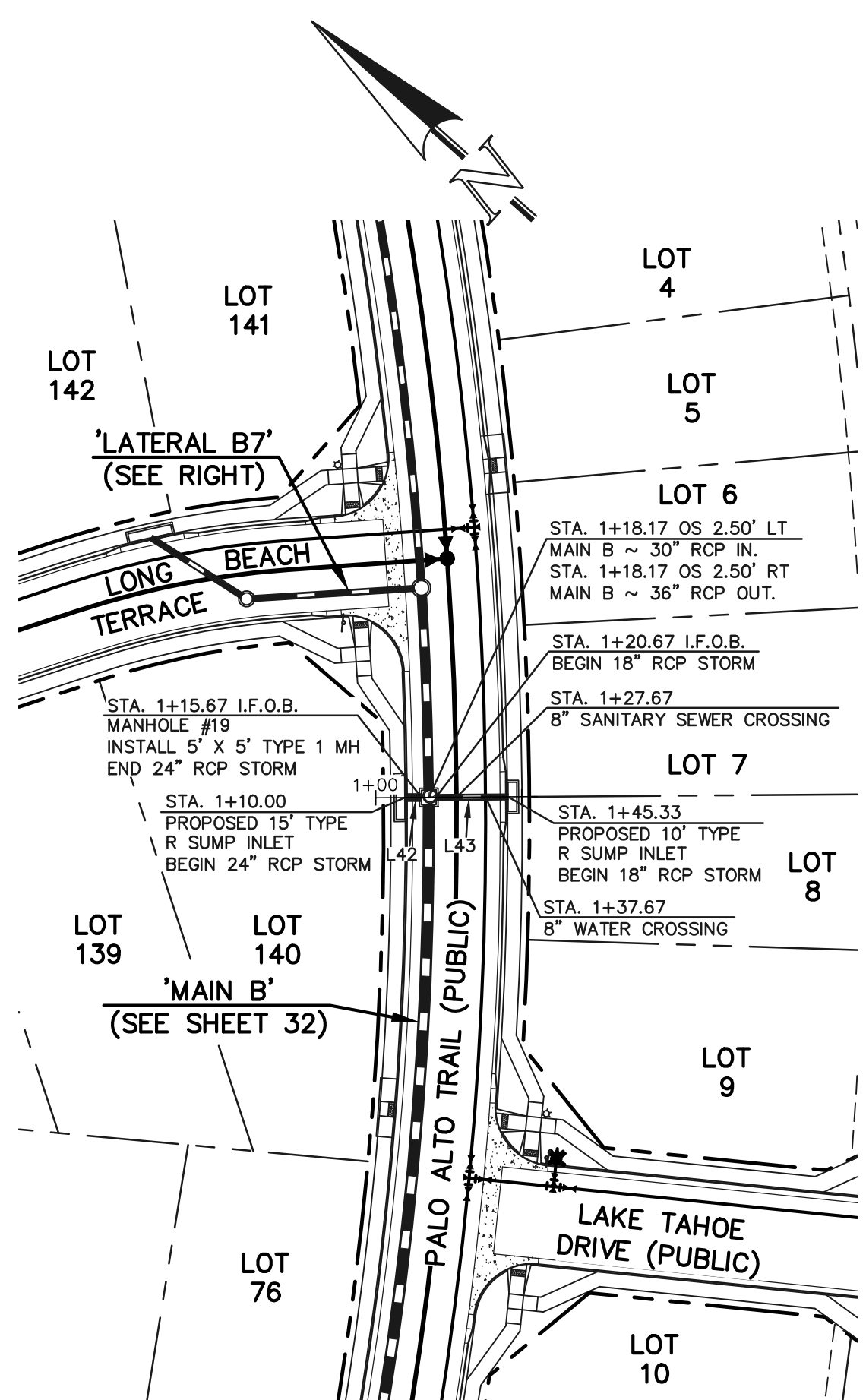
SCALE: (H) 1" = 50'  
(V) 1" = 5'

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

PCD FILE #SF-22-035



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

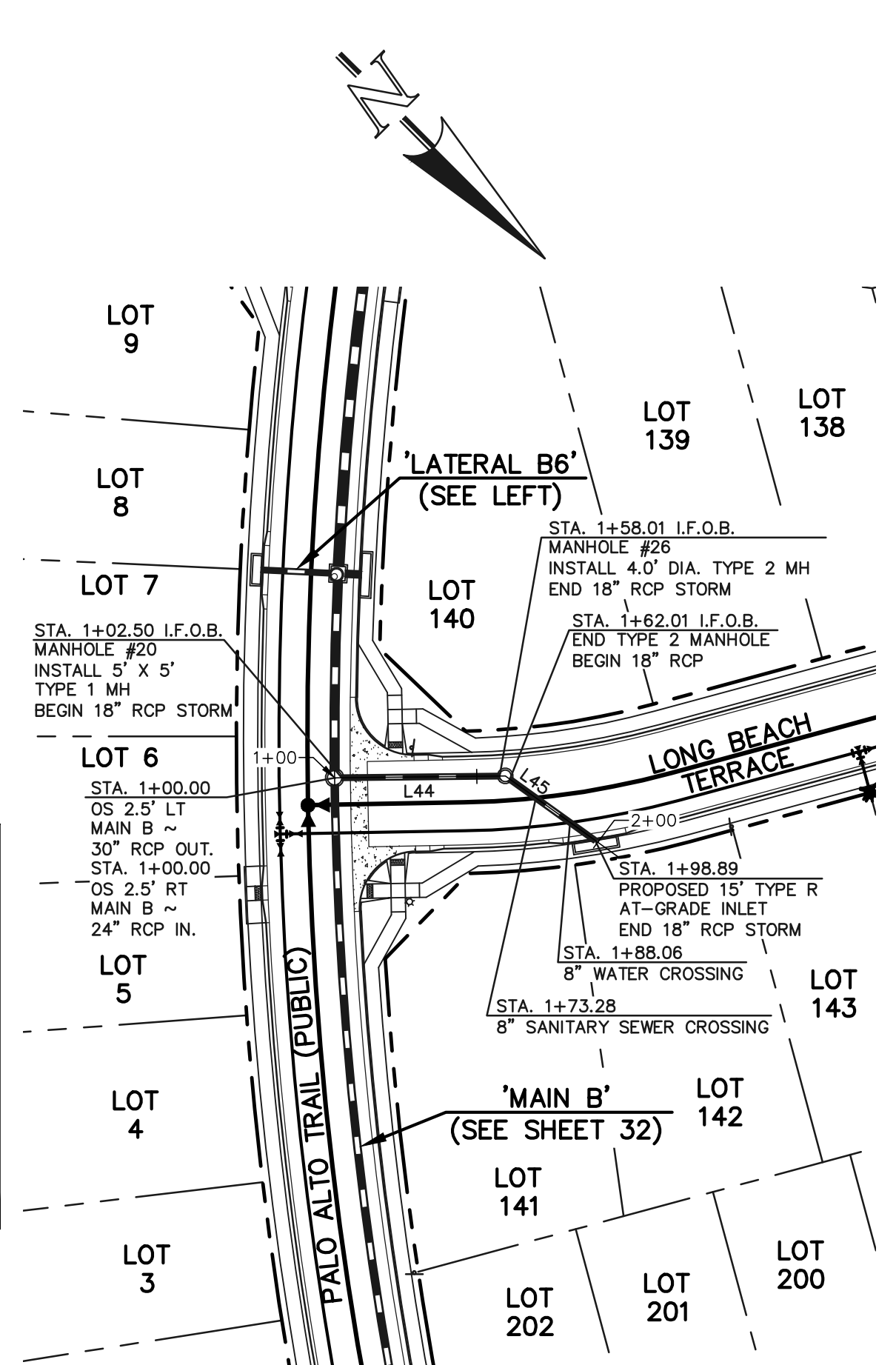


**PUBLIC 18"/24" RCP STORM  
'LATERAL B6'**

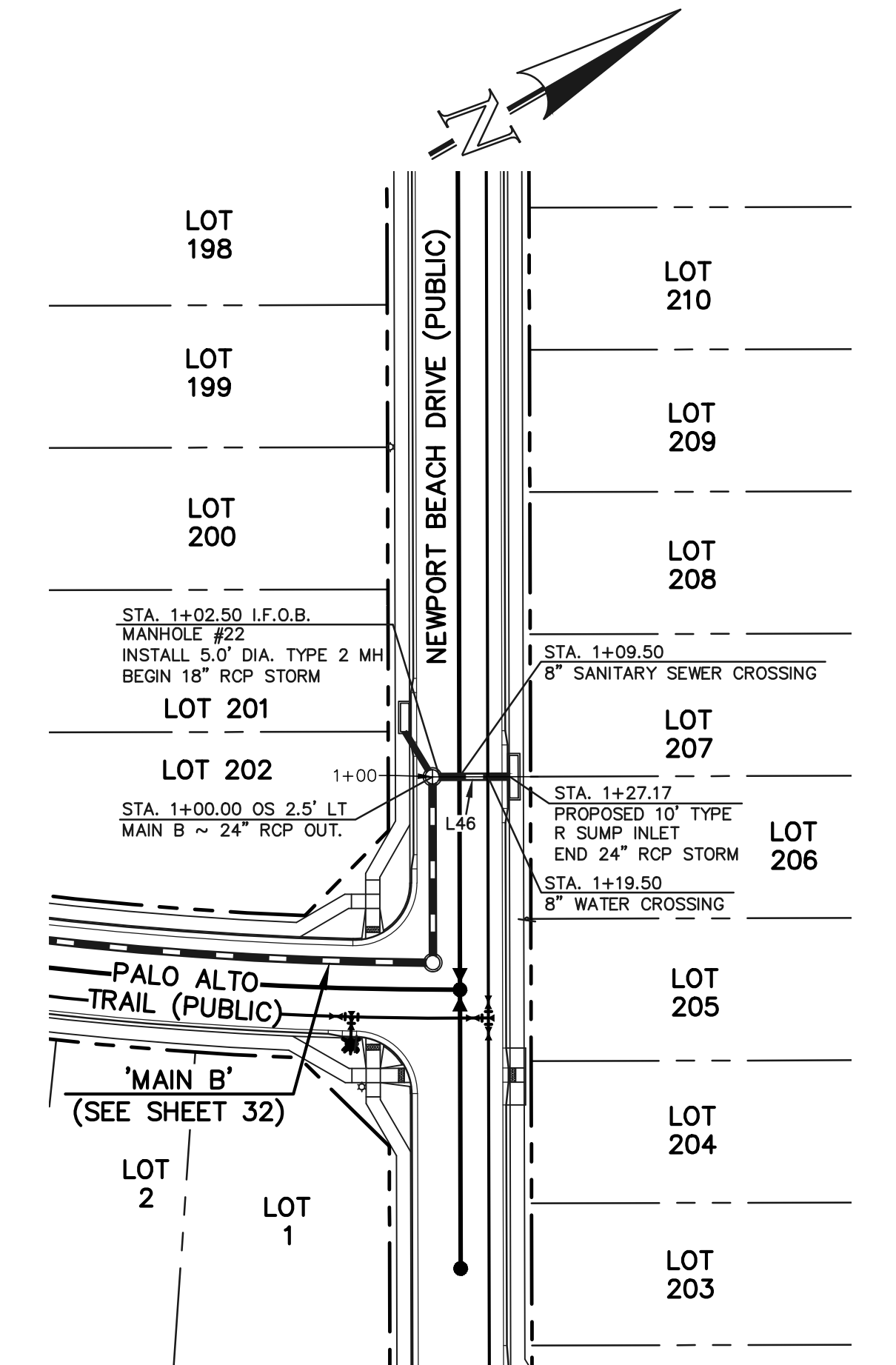
Line #	Length	Direction
L40	57.60	S27°58'40"E
L41	32.89	S17°01'20"W
L42	5.67	N42°24'00"W
L43	24.67	N42°24'00"W
L44	55.51	S45°36'57"E
L45	36.88	S09°20'15"E
L46	24.67	S29°51'14"W

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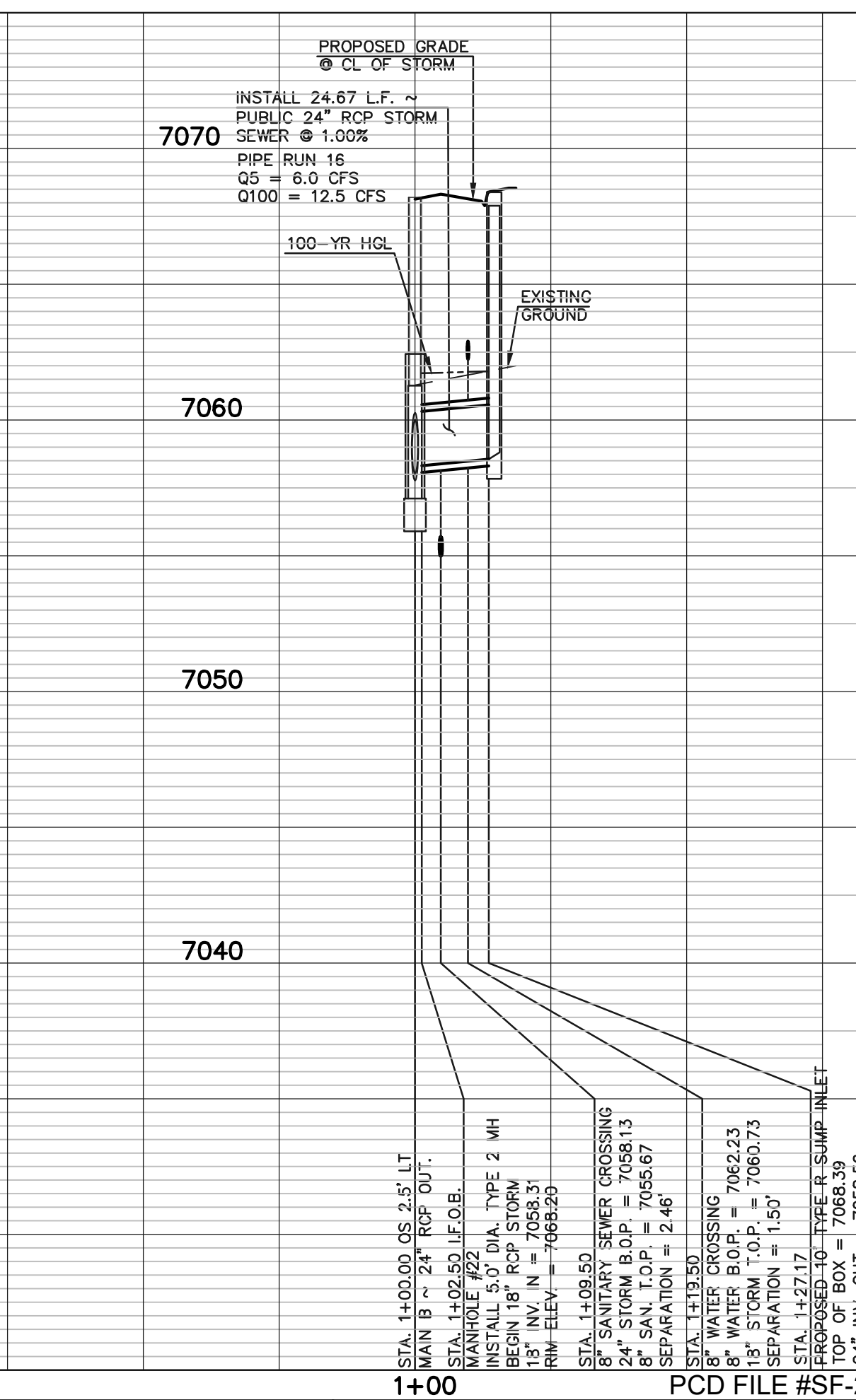
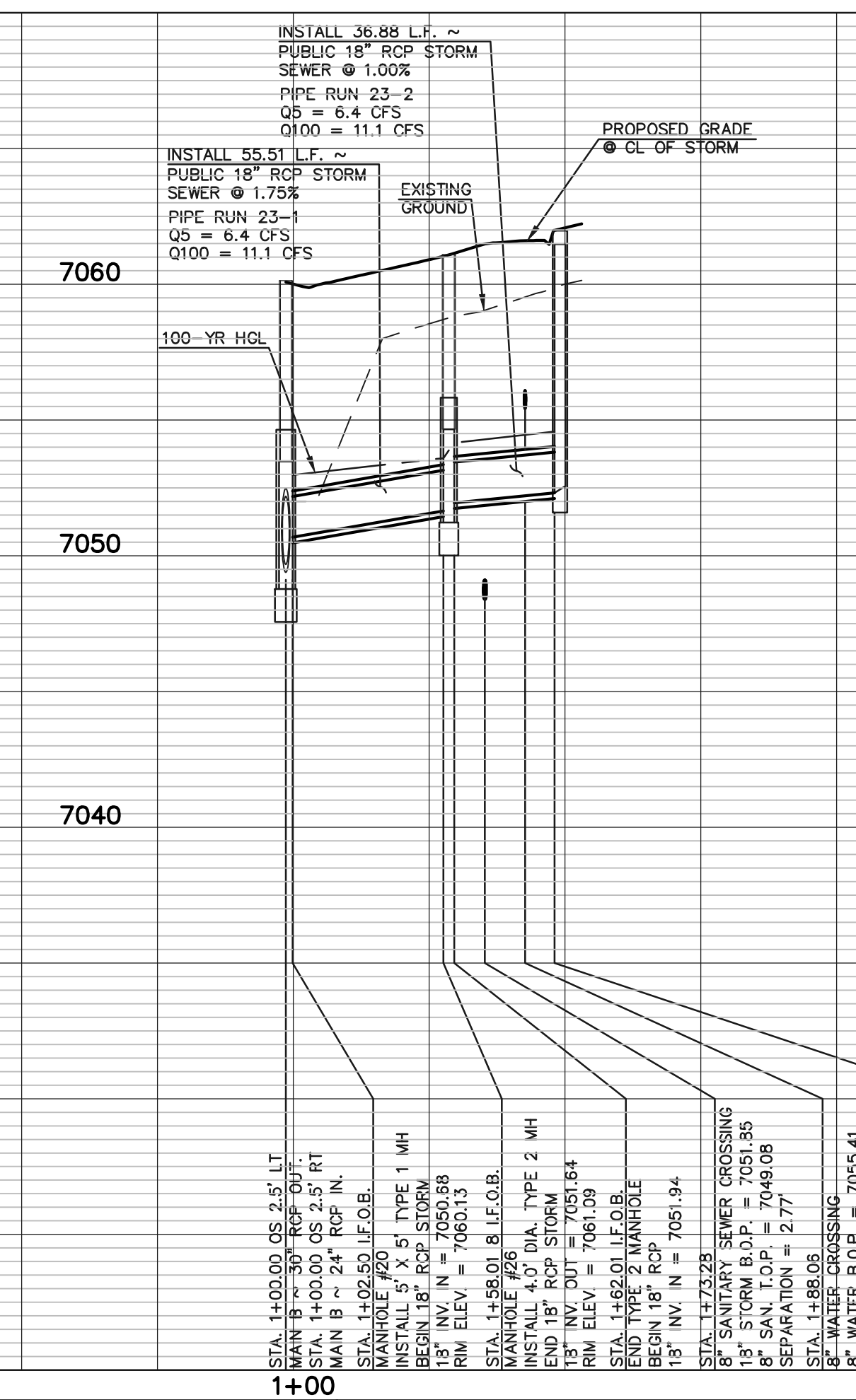
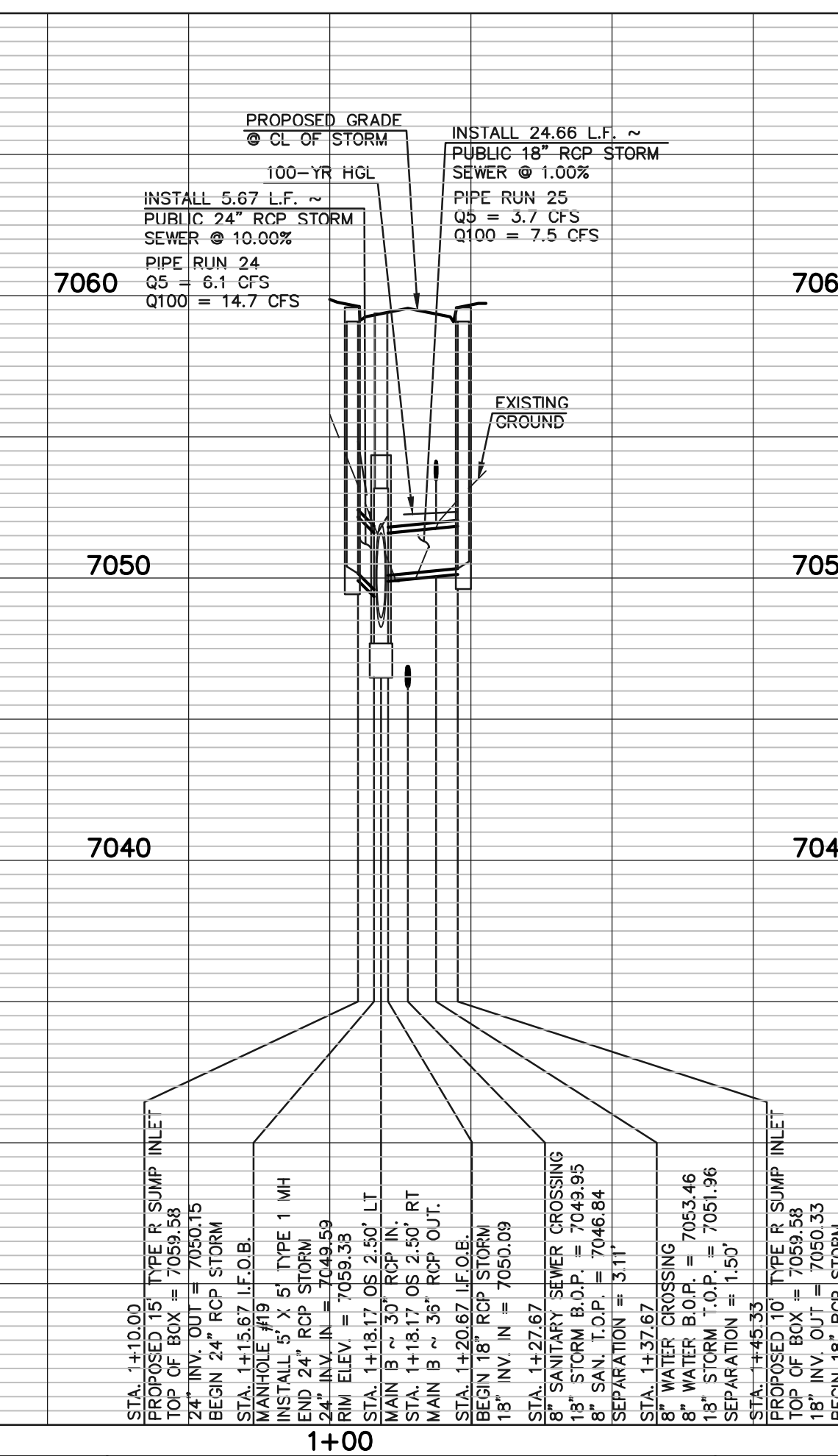
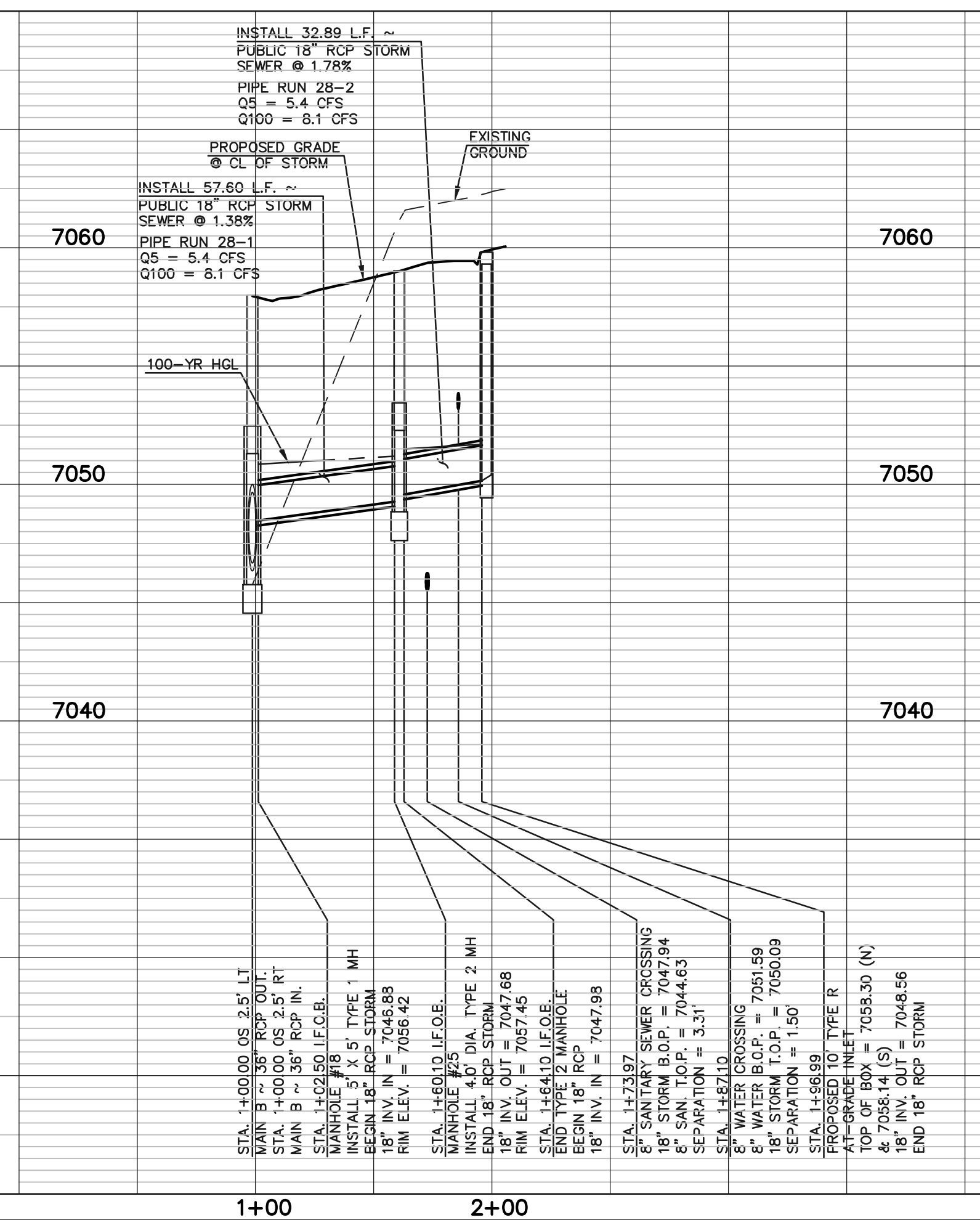
50 25 0 50 100  
 SCALE: 1" = 50' HORIZ. / 1" = 5' VERT.



**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:

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*Kyle R. Campbell*  
 KYLE R. CAMPBELL, P.E. #29794

02/28/24  
 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**

**STORM SEWER PLANS  
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	

TRACT C  
PROPOSED FULL SPECTRUM DETENTION AND WATER QUALITY FACILITY 'POND 14A'

STA. 1+85.82  
BEGIN PROPOSED CONCRETE FOREBAY 'B'

STA. 2+26.32  
END FOREBAY 'B', BEGIN IMPACT STRUCTURE (SEE POND IMPROVEMENT PLANS FOR STRUCTURE DETAILS)

STA. 2+41.32  
END IMPACT STRUCTURE BEGIN 54" RCP STORM

'LATERAL C1'  
(SEE SHEET 36)

STA. 2+91.68 I.F.O.B. MANHOLE #27  
INSTALL 7' X 5' TYPE 1 MH END 54" RCP STORM

STA. 2+94.18 OS 3.50' LT  
LAT C1 ~ 24" RCP IN.

STA. 2+96.68 I.F.O.B. BEGIN 54" RCP STORM

TRACT B

STA. 5+03.00 I.F.O.B. MANHOLE #28  
INSTALL 7' X 9' TYPE 1 MH END 54" RCP STORM

STA. 5+09.42 I.F.O.B. BEGIN 54" RCP STORM

STA. 5+06.21 OS 4.90' RT  
LAT C2 ~ 18" RCP IN.

STA. 6+77.45 OS 3.50' RT  
LAT C3 ~ 18" RCP IN.

STA. 6+79.95 I.F.O.B. BEGIN 54" RCP STORM

STA. 6+74.95 I.F.O.B. MANHOLE #29  
INSTALL 7' X 5' TYPE 1 MH END 54" RCP STORM

'LATERAL C2'  
(SEE SHEET 36)

TRACT B

STA. 9+00.46  
END TYPE C GRATED INLET BEGIN 18" RCP STORM

STA. 8+97.46  
PROPOSED TYPE C GRATED INLET END 18" RCP STORM

STA. 8+04.35 OS 4.50' RT  
LAT C4 ~ 48" RCP IN.

STA. 8+00.86 I.F.O.B. MANHOLE #30  
INSTALL 9' X 7' TYPE 1 MH END 54" RCP STORM

STA. 8+07.86 I.F.O.B. BEGIN 18" RCP STORM

'LATERAL C3'  
(SEE SHEET 36)

'LATERAL C4'  
(SEE SHEET 36)

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

TRACT A

TRACT B

STA. 11+60.64  
END TYPE C GRATED INLET BEGIN 18" RCP STORM

STA. 11+57.80  
PROPOSED TYPE C GRATED INLET END 18" RCP STORM

STA. 14+59.39  
PROPOSED TYPE C GRATED INLET END 18" RCP STORM

'MAIN D'  
(SEE SHEET 37)

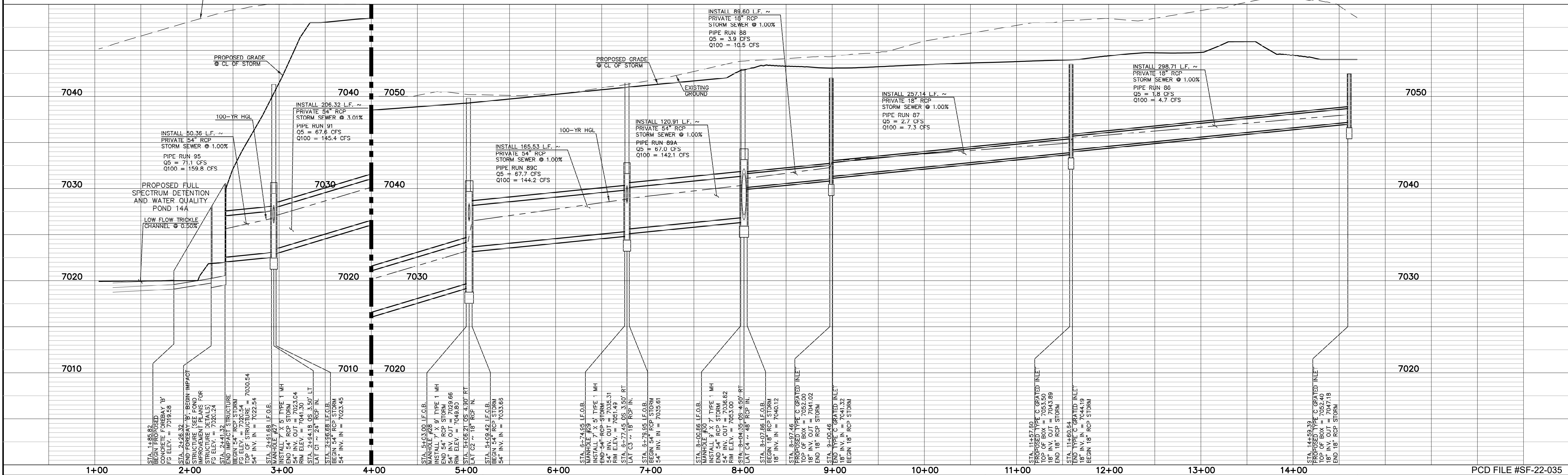
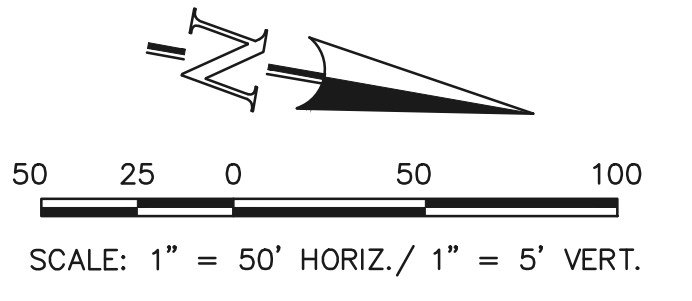
'LATERAL D3'  
(SEE SHEET 38)

'LATERAL D2'  
(SEE SHEET 38)

WESTMONT DRIVE (PUBLIC)

Line #	Length	Direction
L47	50.36	S47°15'57"W
L48	206.32	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

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**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 AND SURVEYORS, LLC

KYLE R. CAMPBELL  
PROFESSIONAL ENGINEER #29794

DATE: 02/28/24

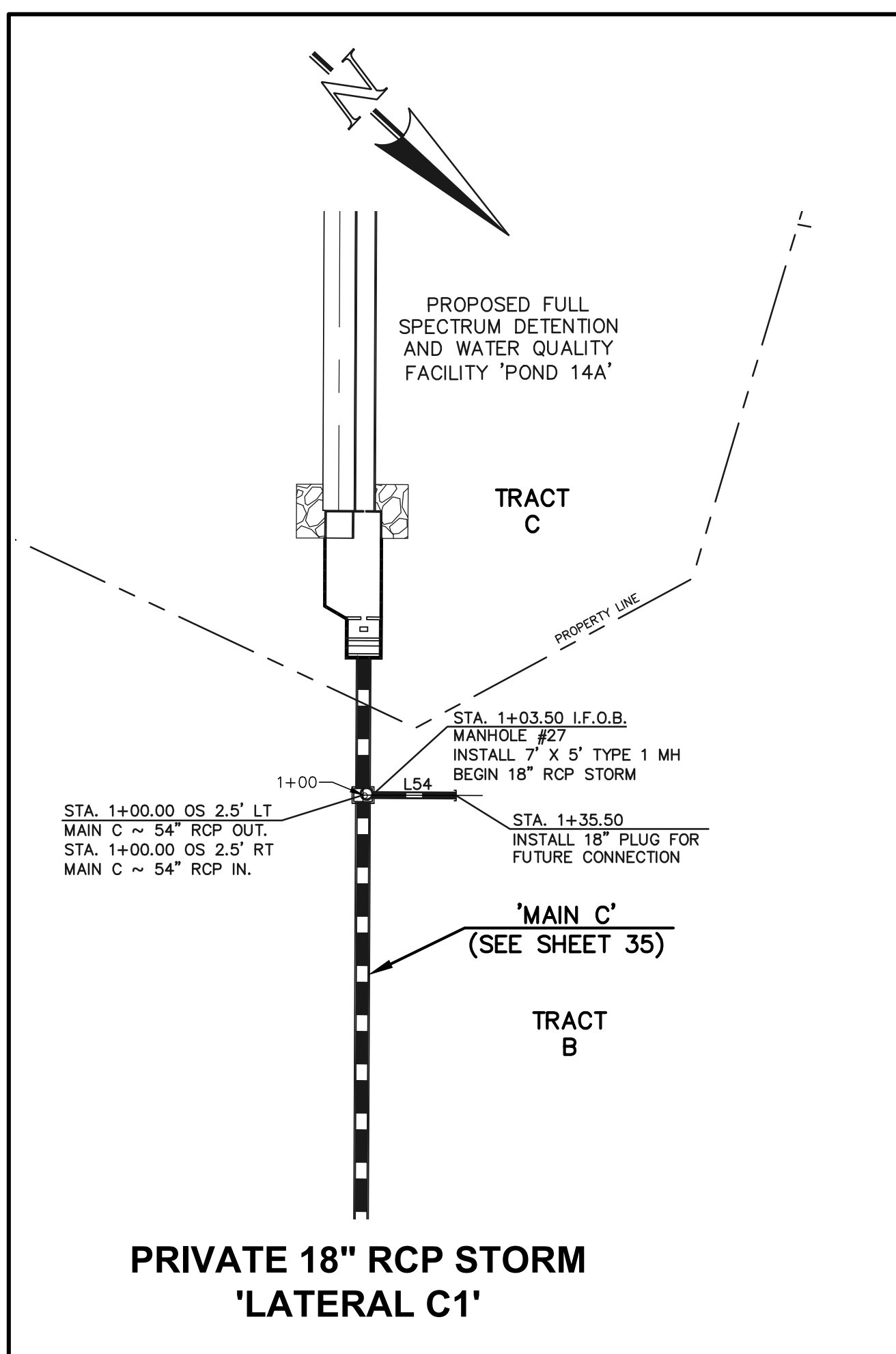
**CLASSIC CONSULTING**

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

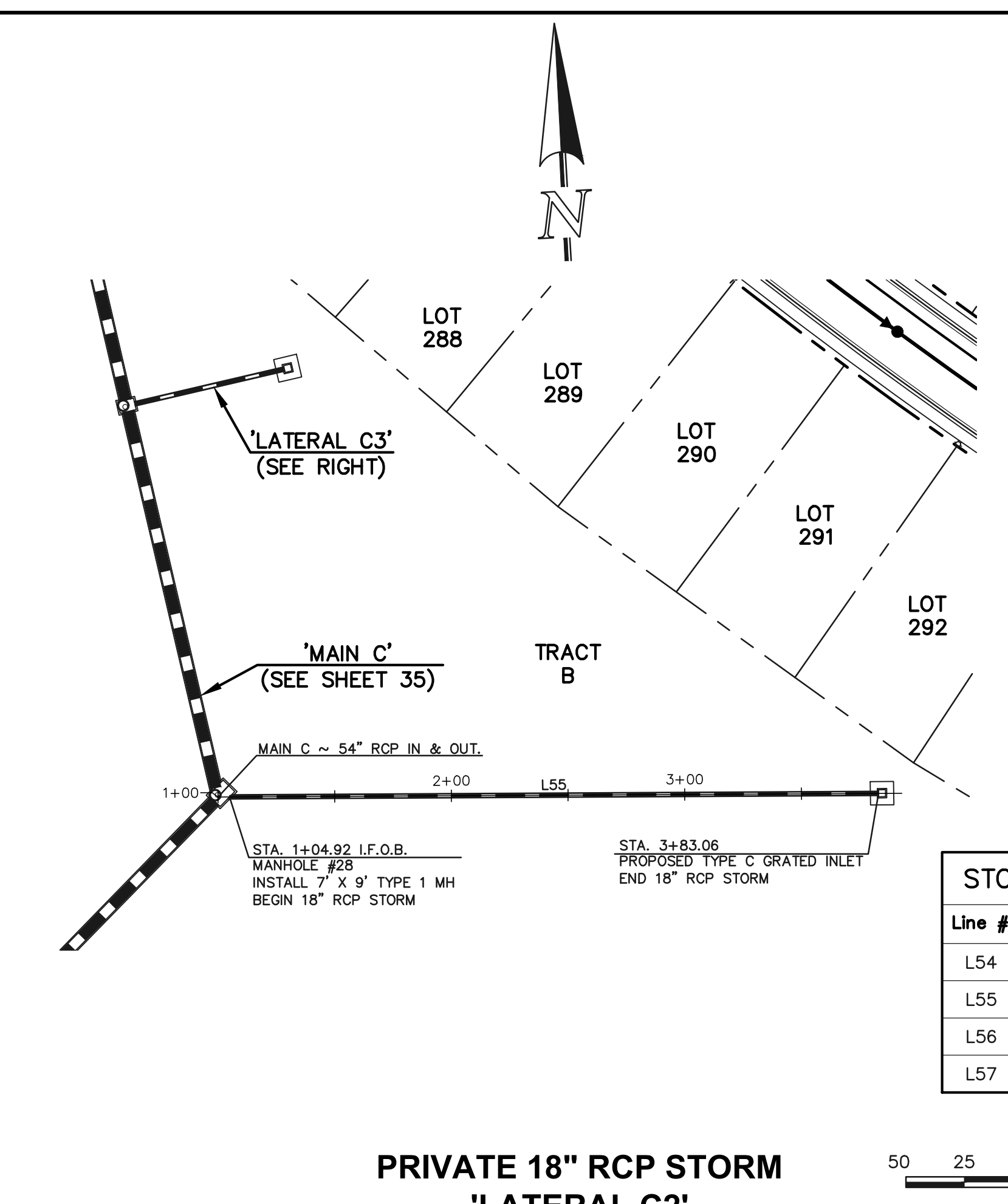
(719) 785-0790  
(719) 785-0799 (fax)

STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
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	



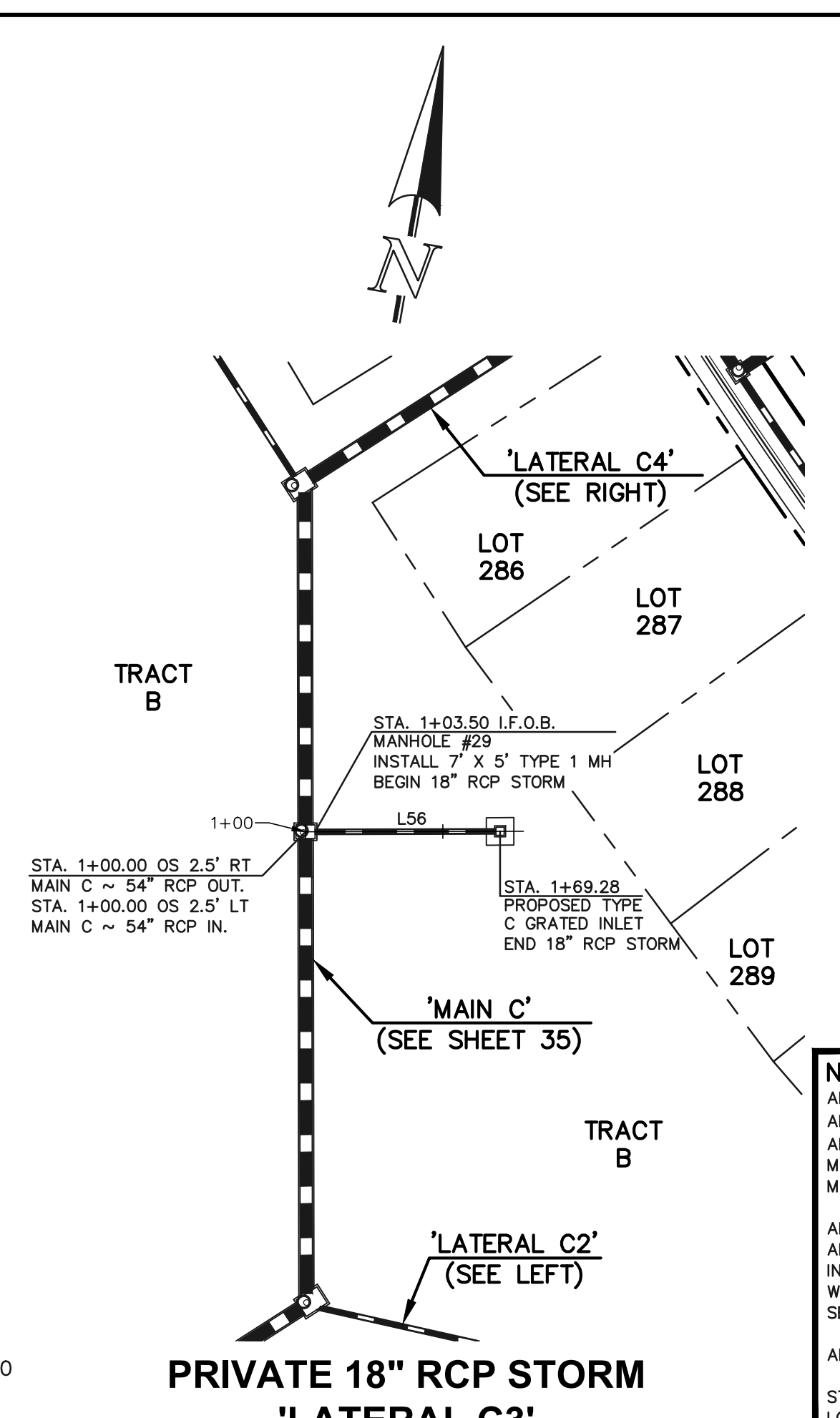
PRIVATE 18" RCP STORM  
'LATERAL C1'



PRIVATE 18" RCP STORM  
'LATERAL C2'

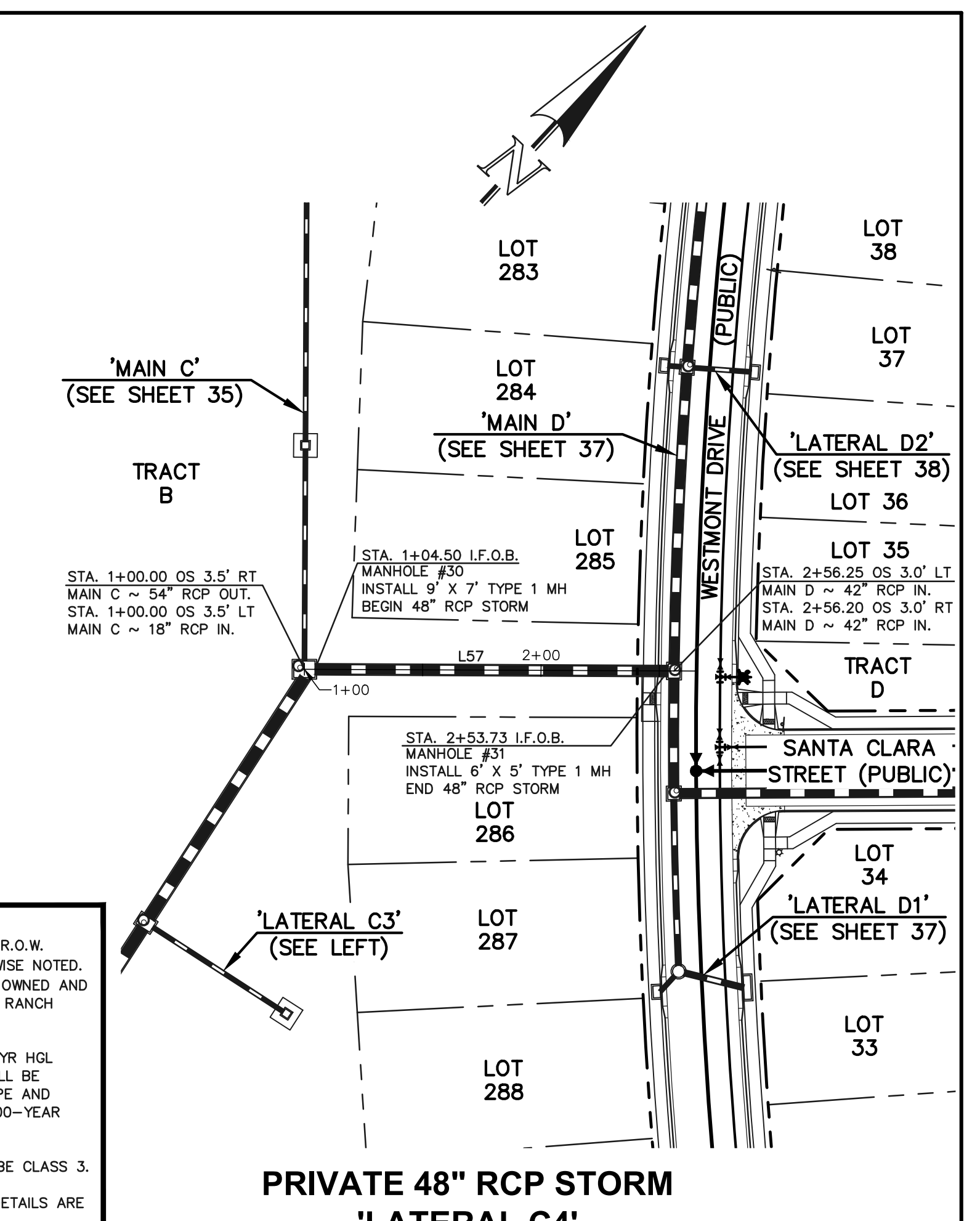
Line #	Length	Direction
L54	32.00	N42°44'03"W
L55	278.13	S87°19'14"E
L56	65.78	S79°53'03"W
L57	149.23	N47°15'57"E

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

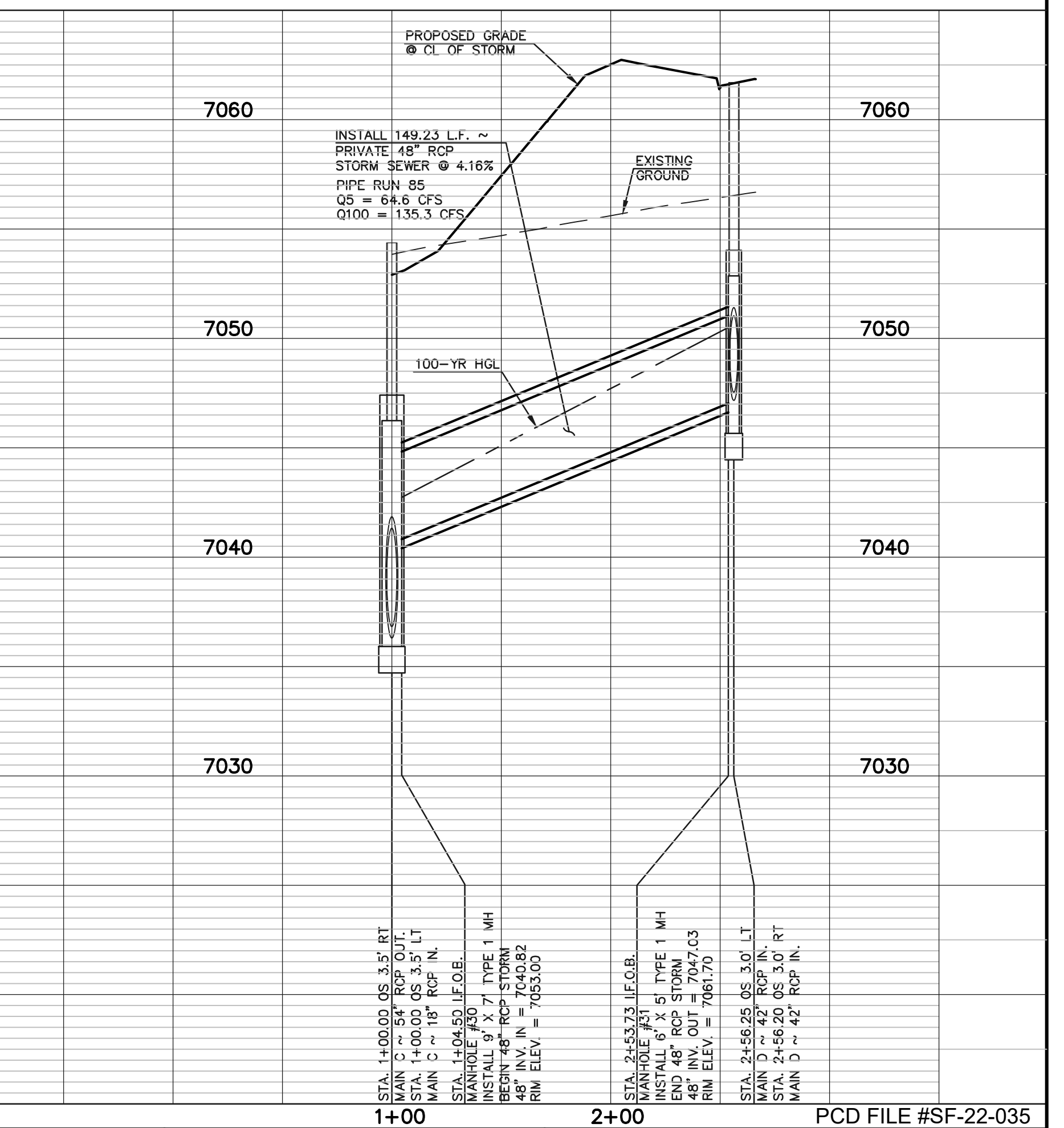
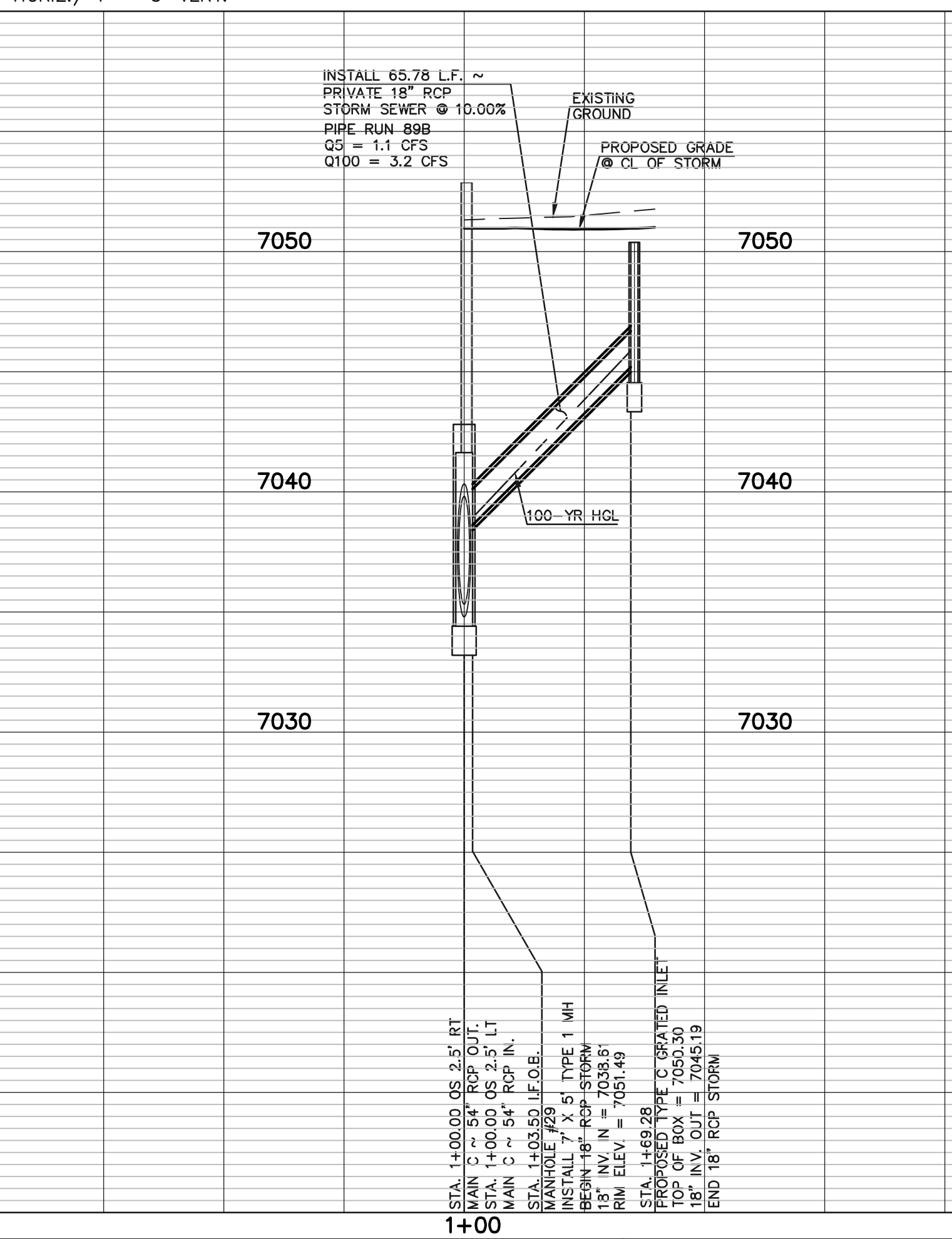
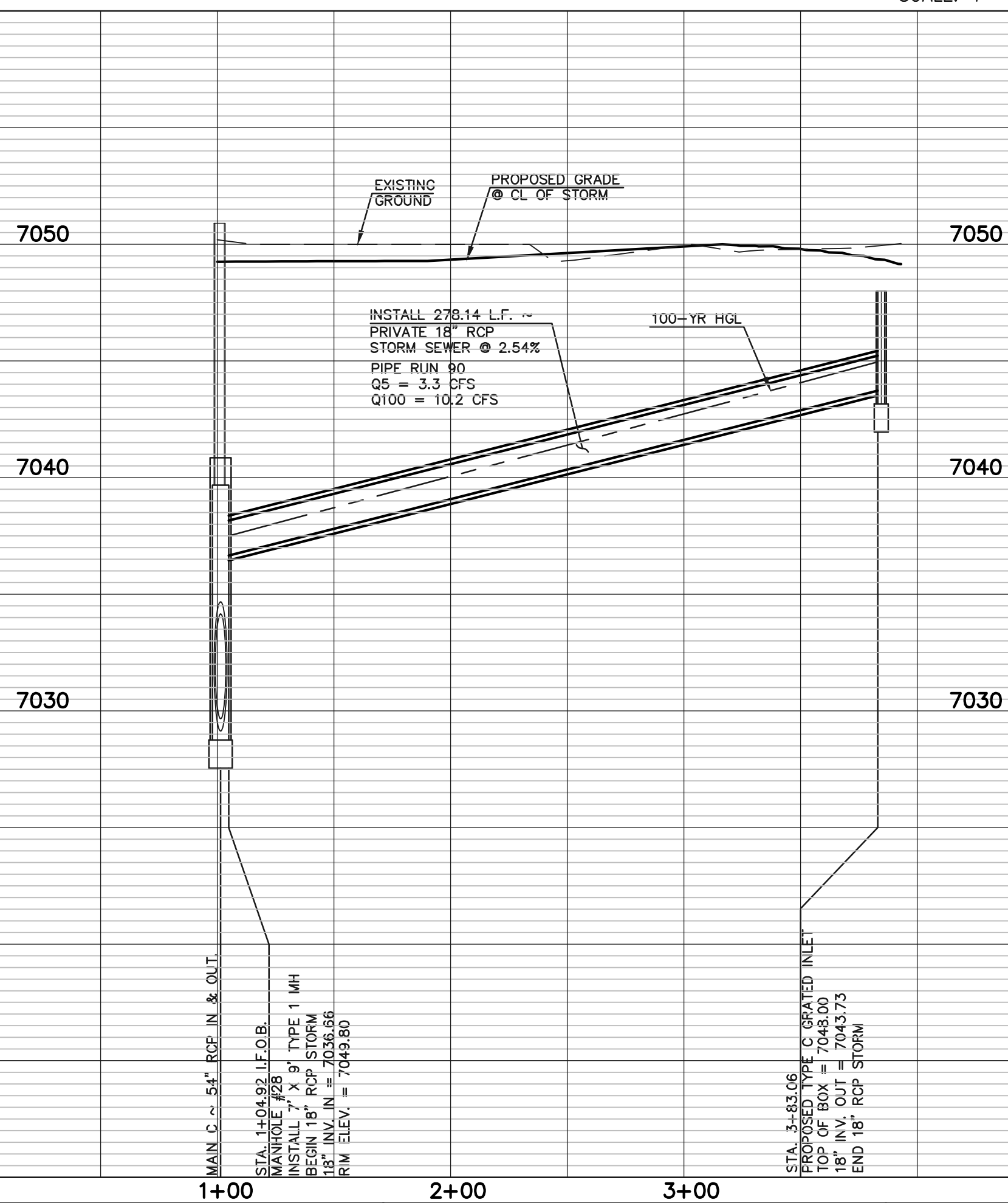
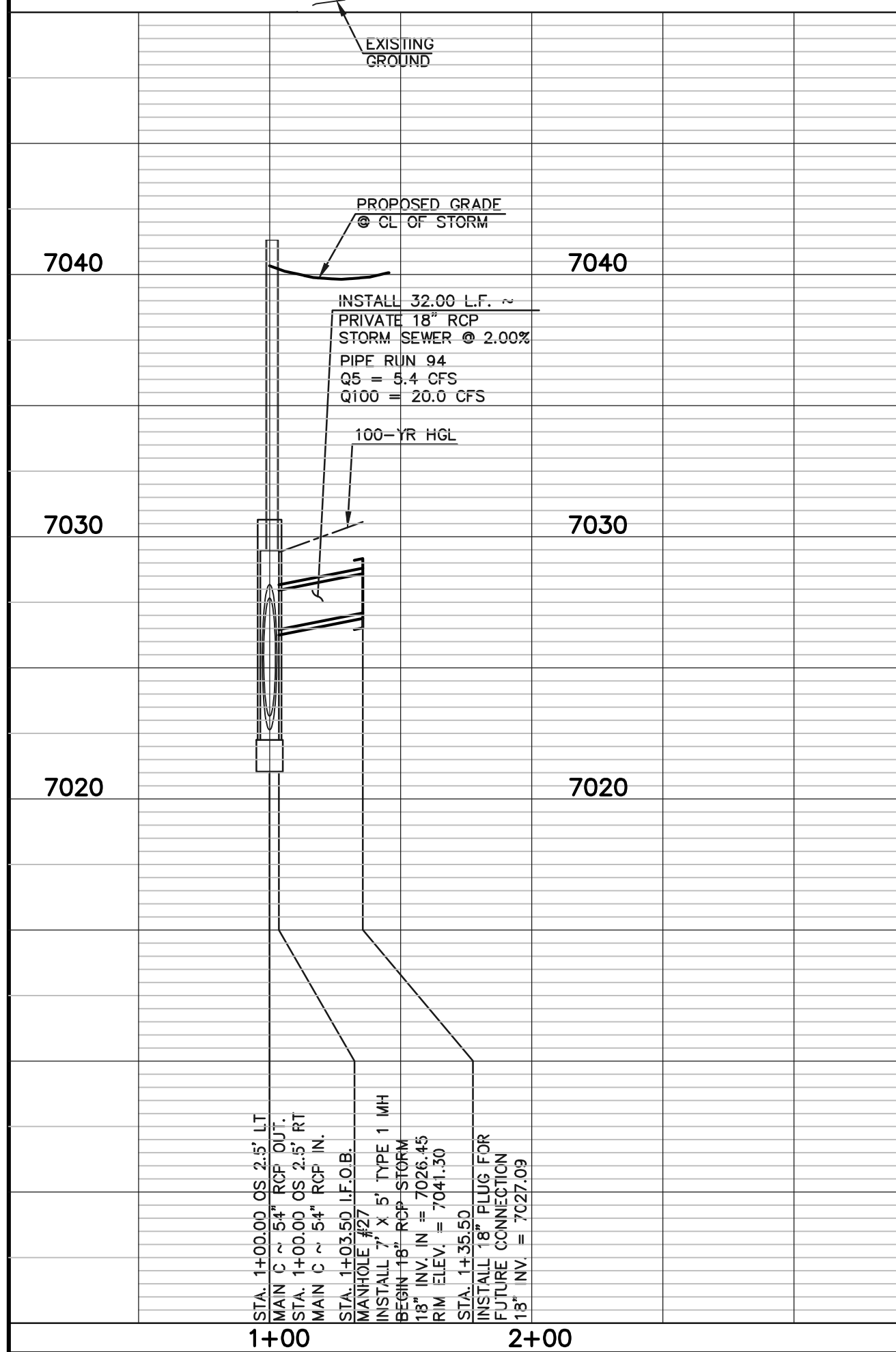


PRIVATE 18" RCP STORM  
'LATERAL C3'

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



PRIVATE 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

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NO.	REVISION	DATE

REVIEW:

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

KYLE R. CAMPBELL, P.E. #29794

02/28/24  
DATE

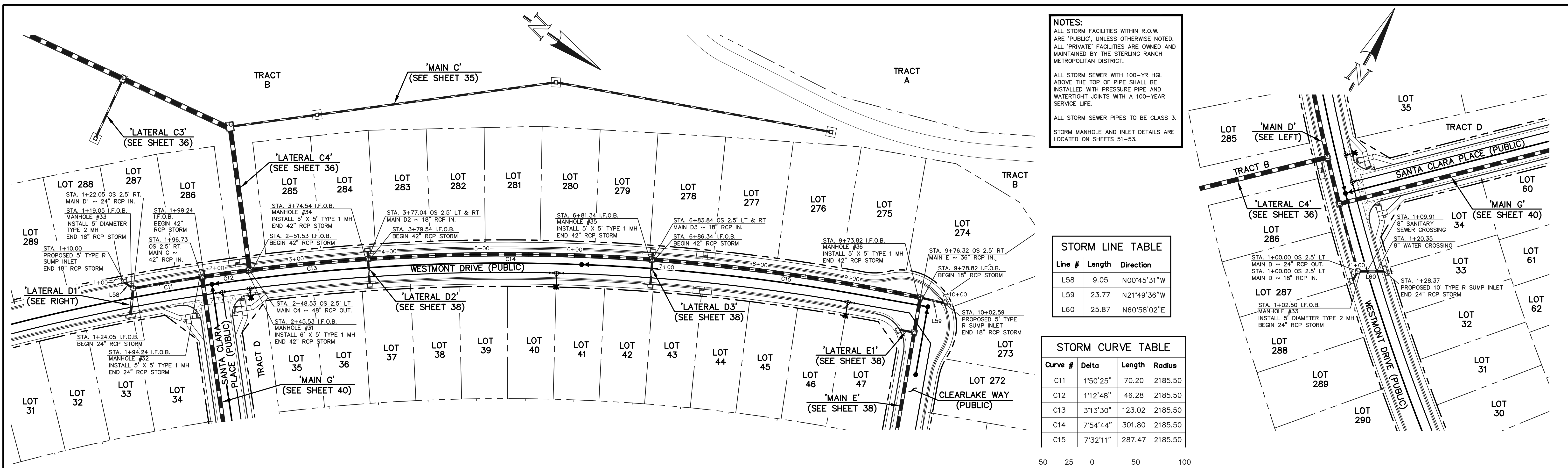
**CLASSIC CONSULTING**

STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
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	

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

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



**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

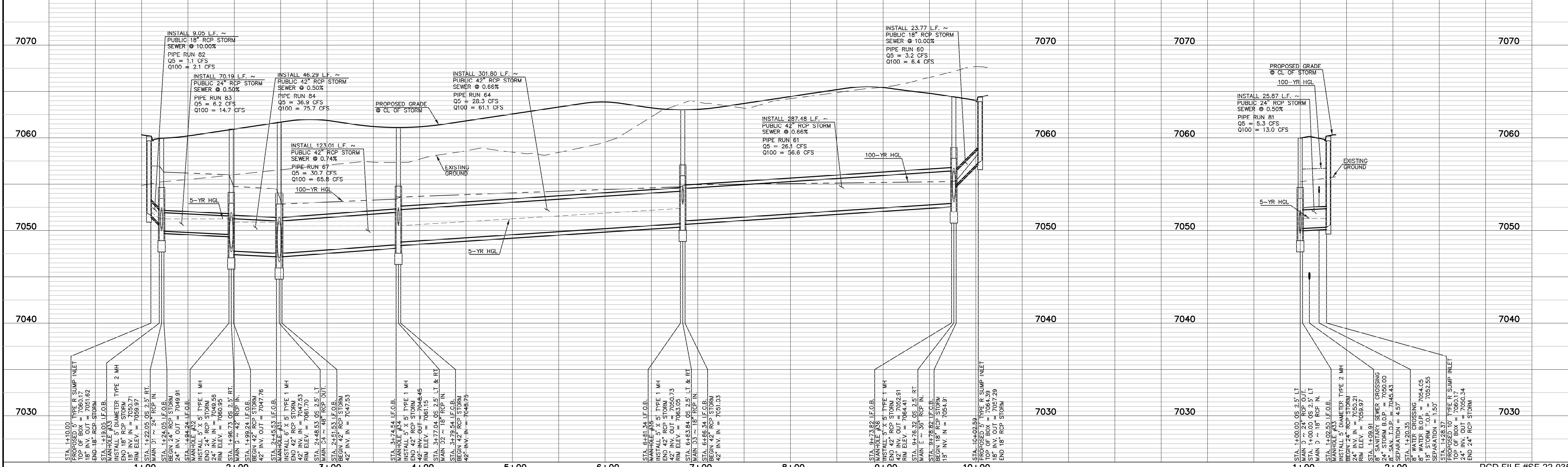
**STORM CURVE TABLE**

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
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

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NO.	REVISION	DATE

REVIEW:  
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*Kyle R. Campbell*  
 PROFESSIONAL ENGINEER #29794

02/28/24  
 DATE

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

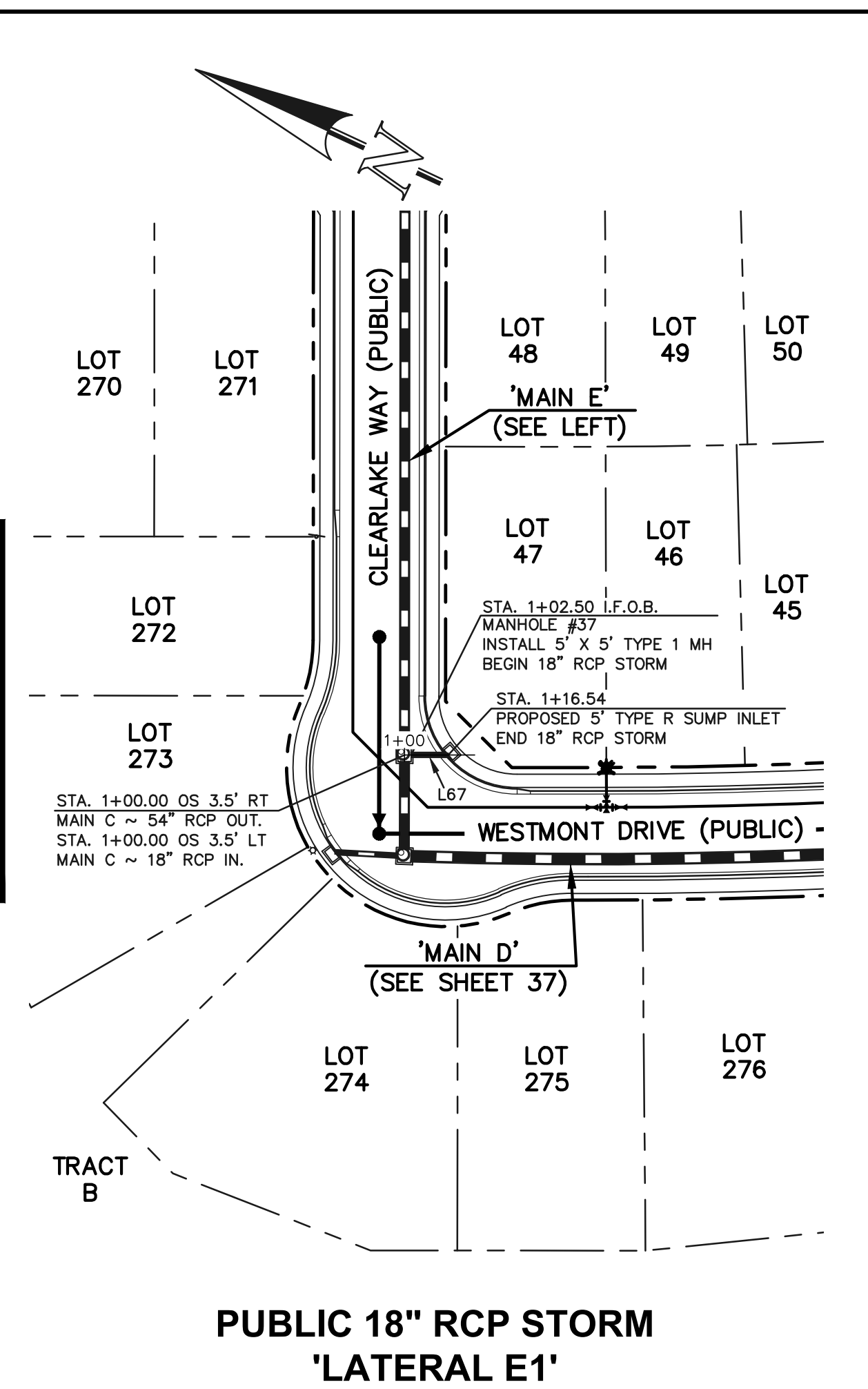
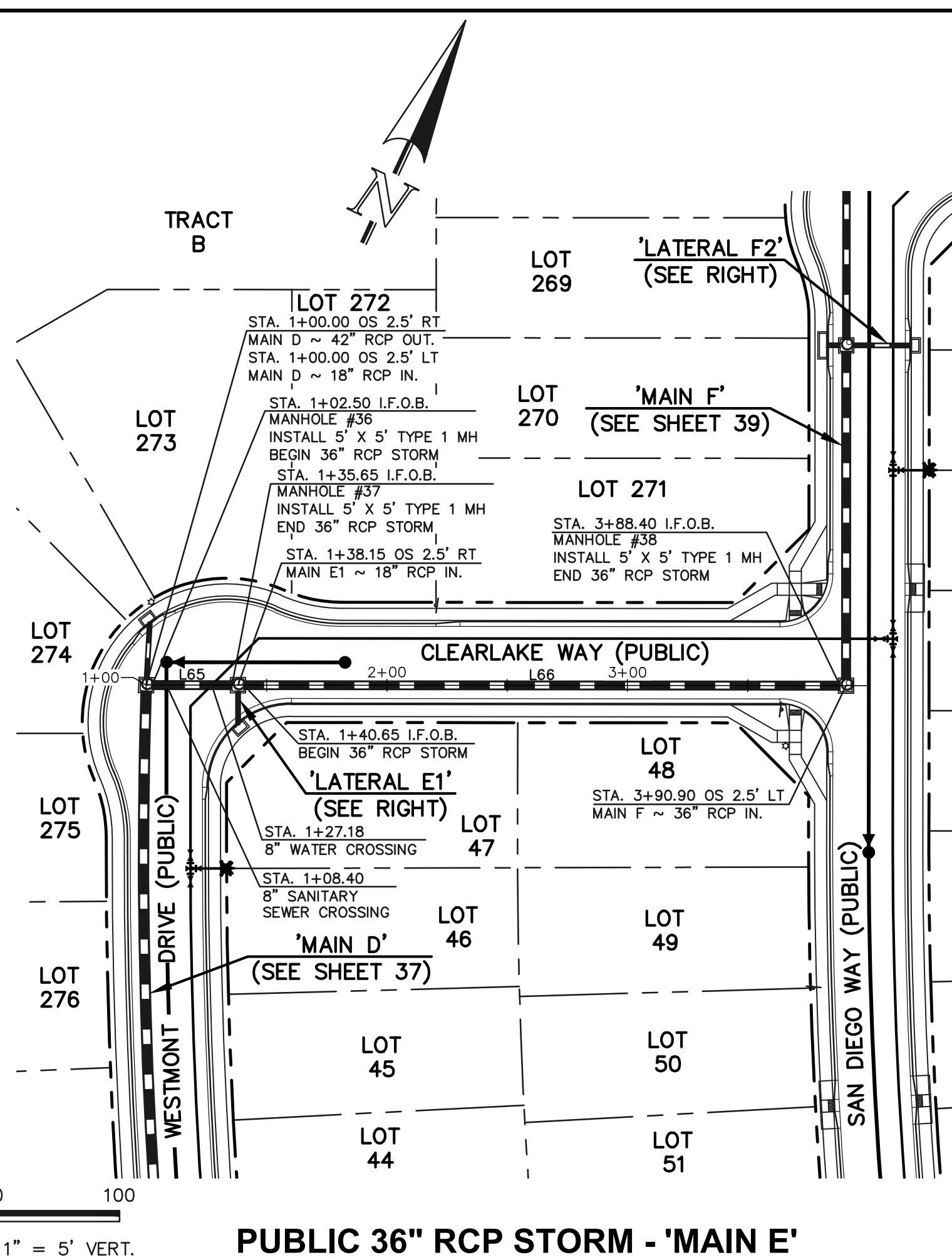
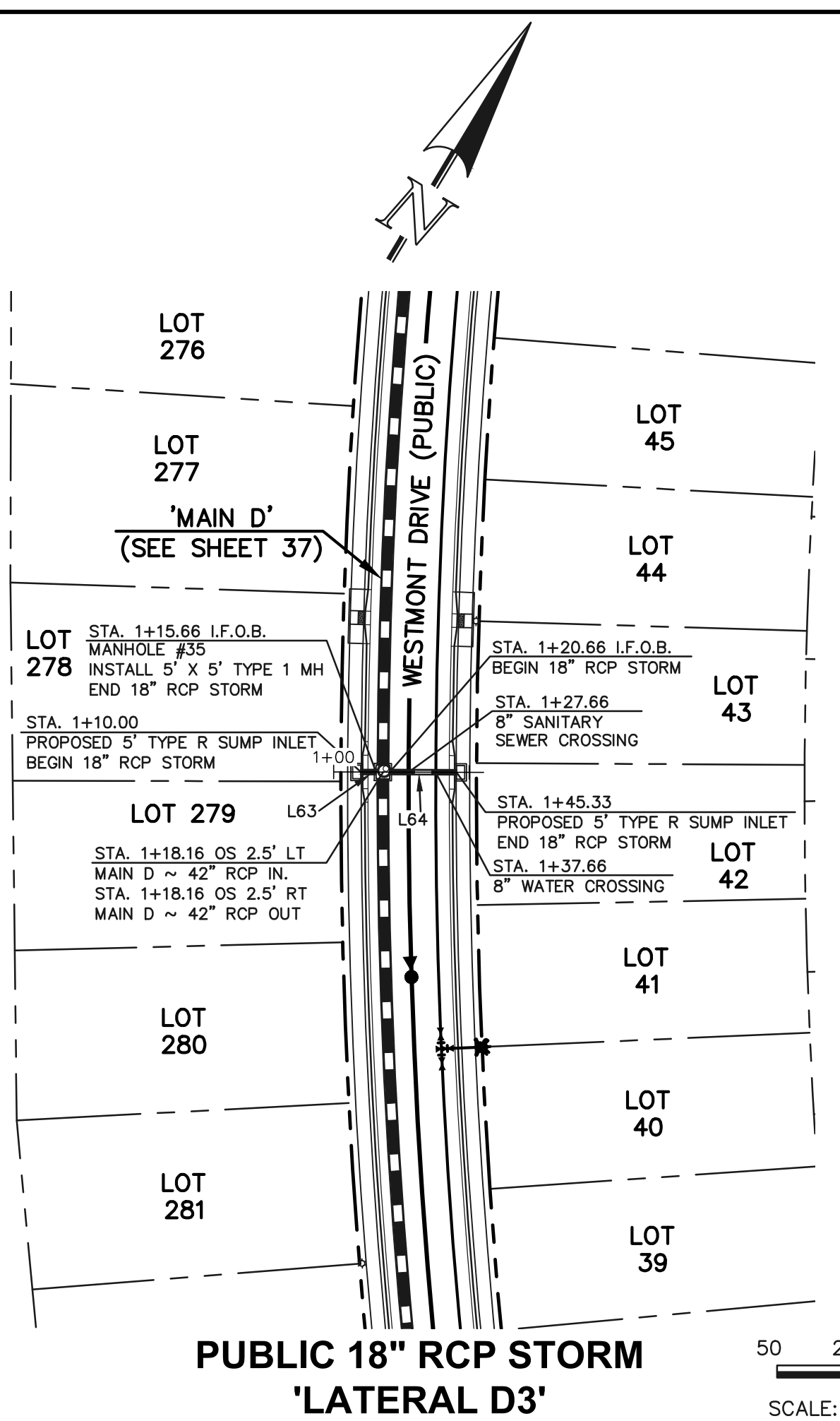
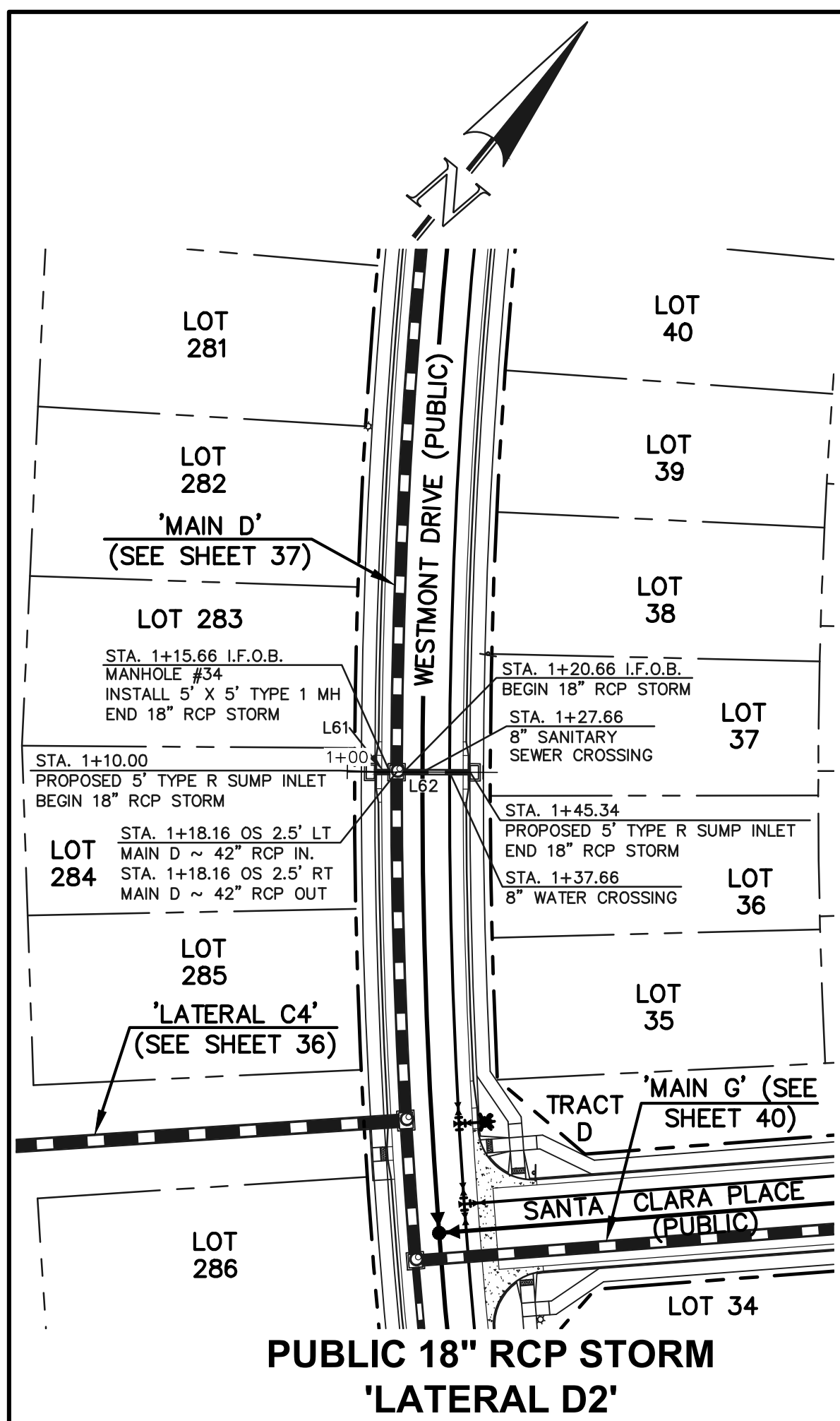
**CLASSIC CONSULTING**

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

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

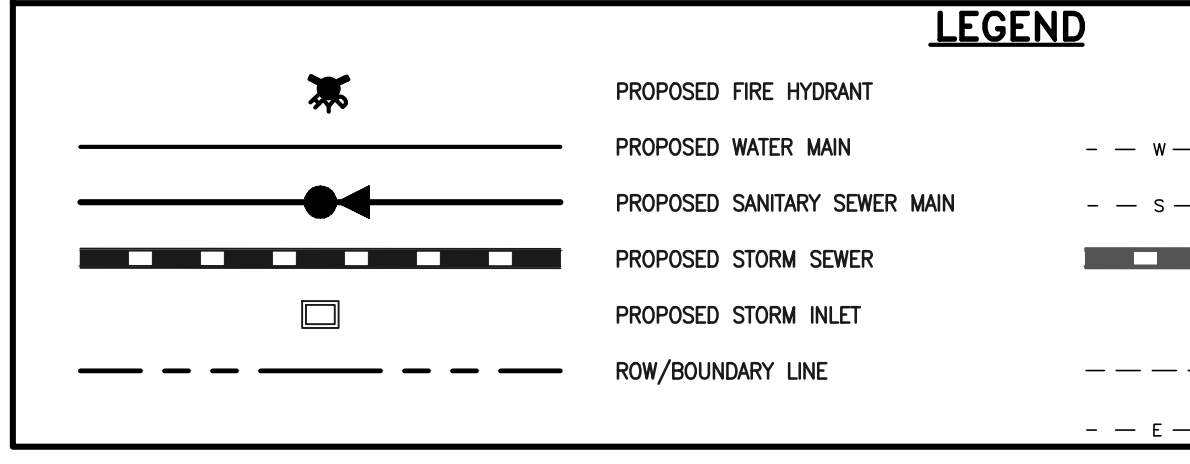
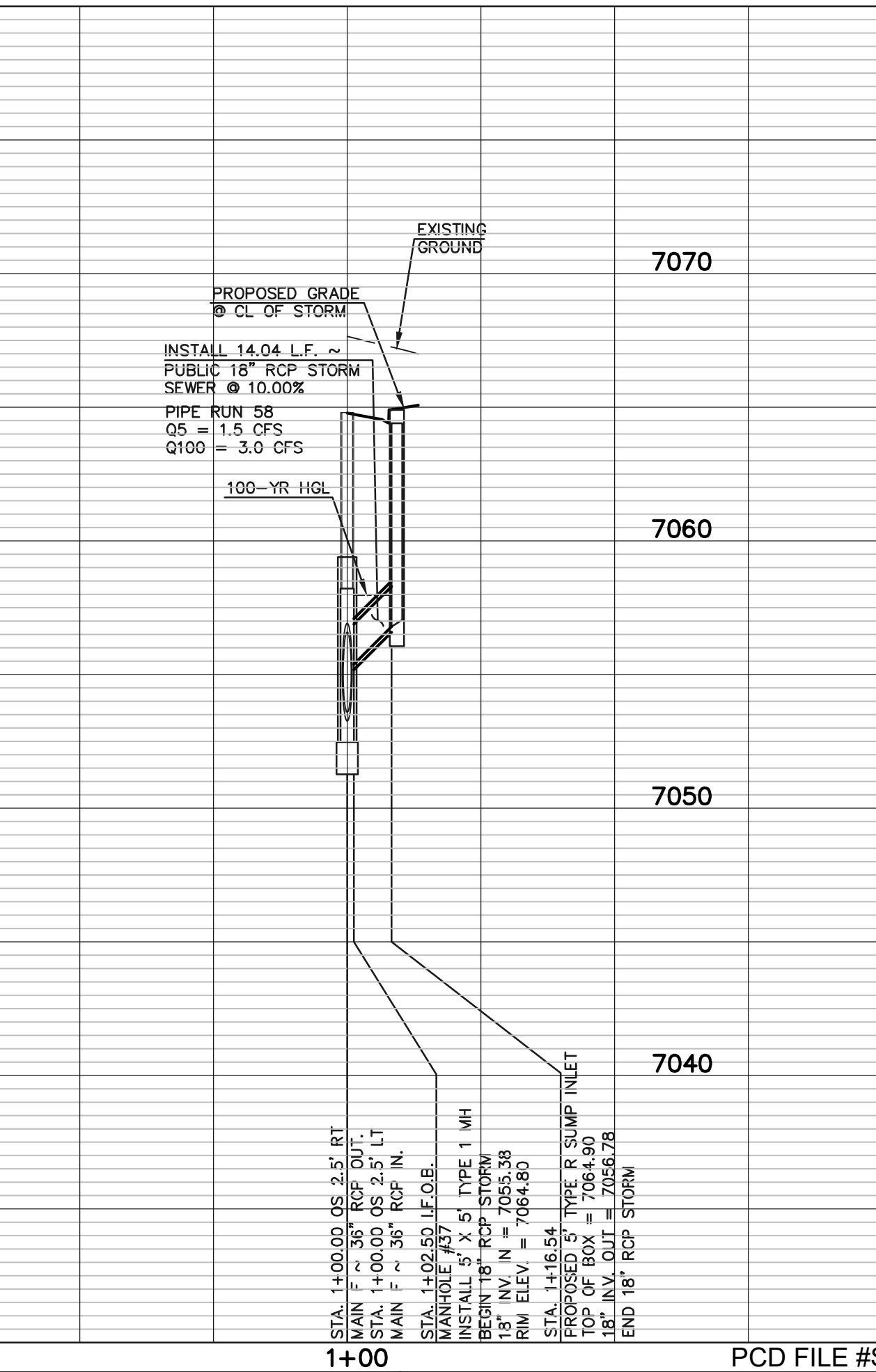
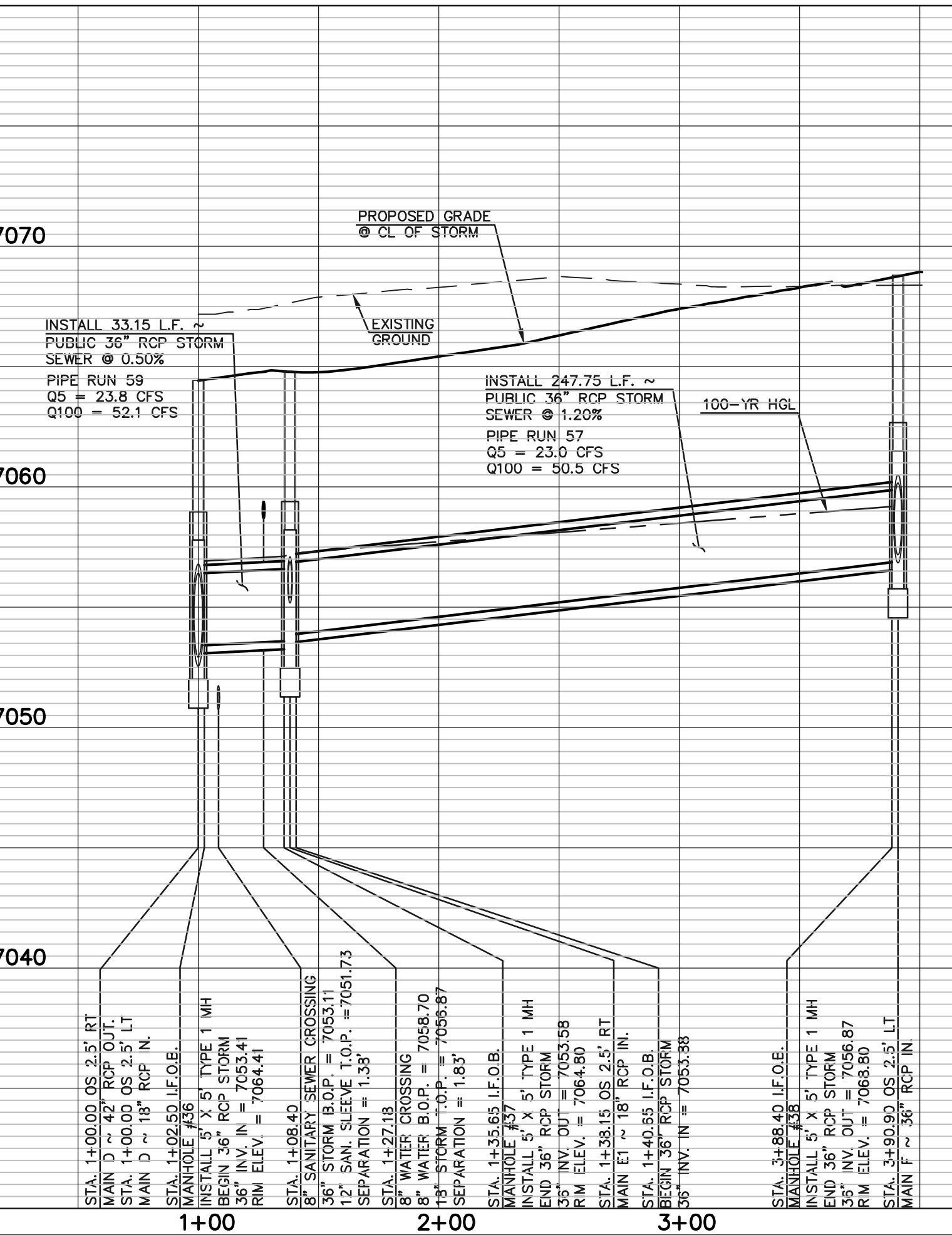
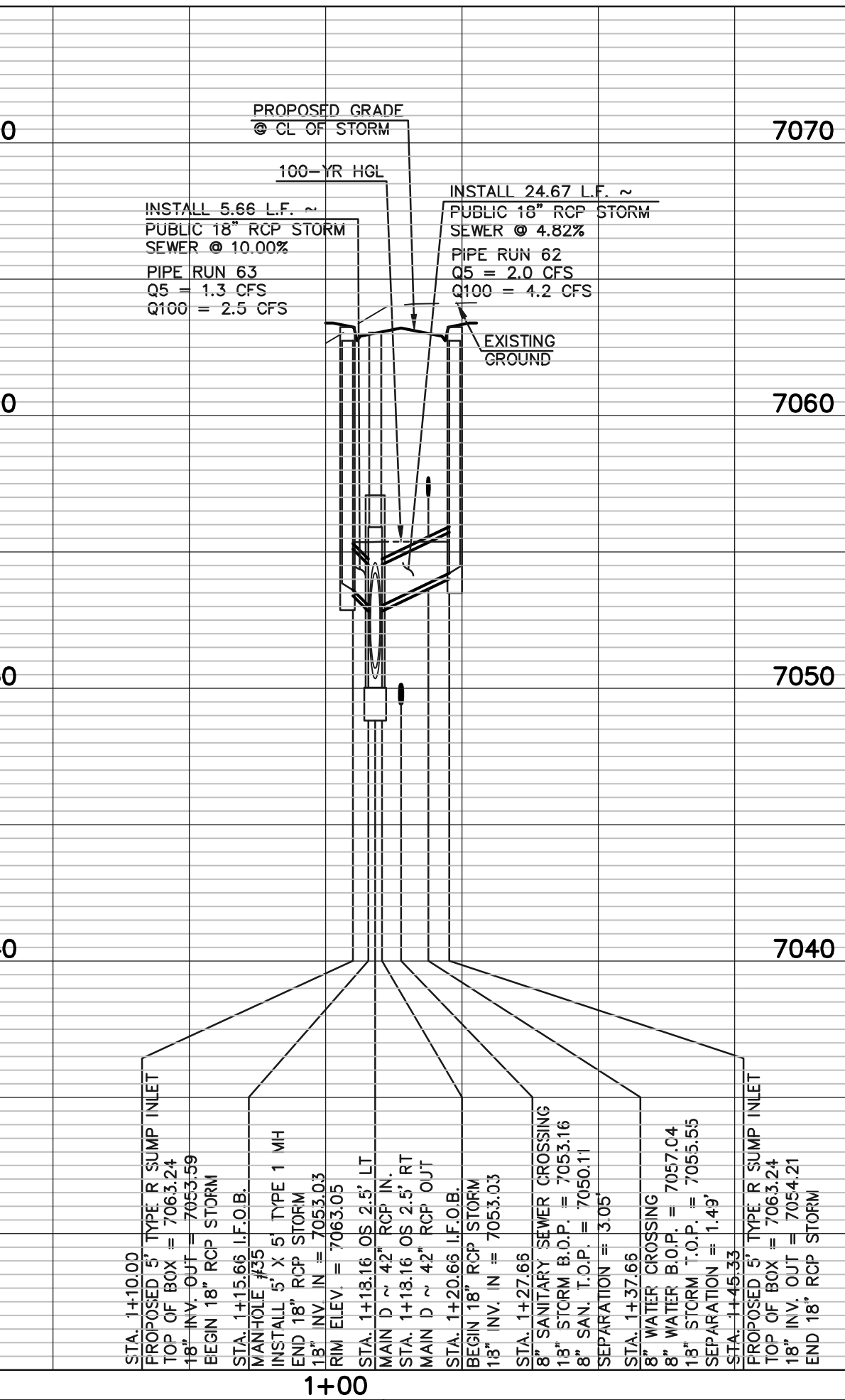
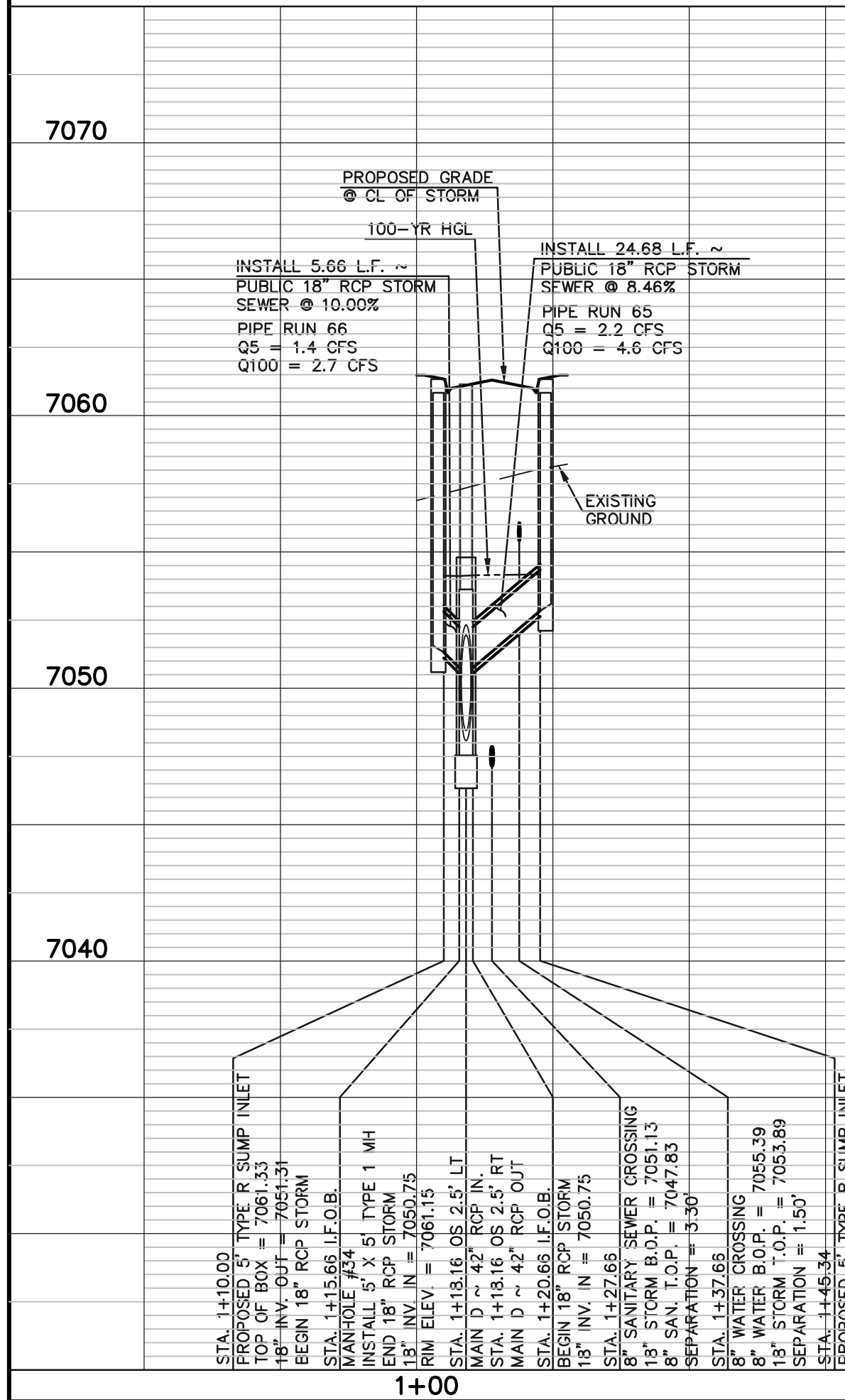
DATE: 08/31/22  
 SHEET 37 OF 53  
 JOB NO. 1183.30

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



**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



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NO. REVISION	DATE

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

KYLE R. CAMERON, LICENSED PROFESSIONAL ENGINEER #29794

02/28/24 DATE

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

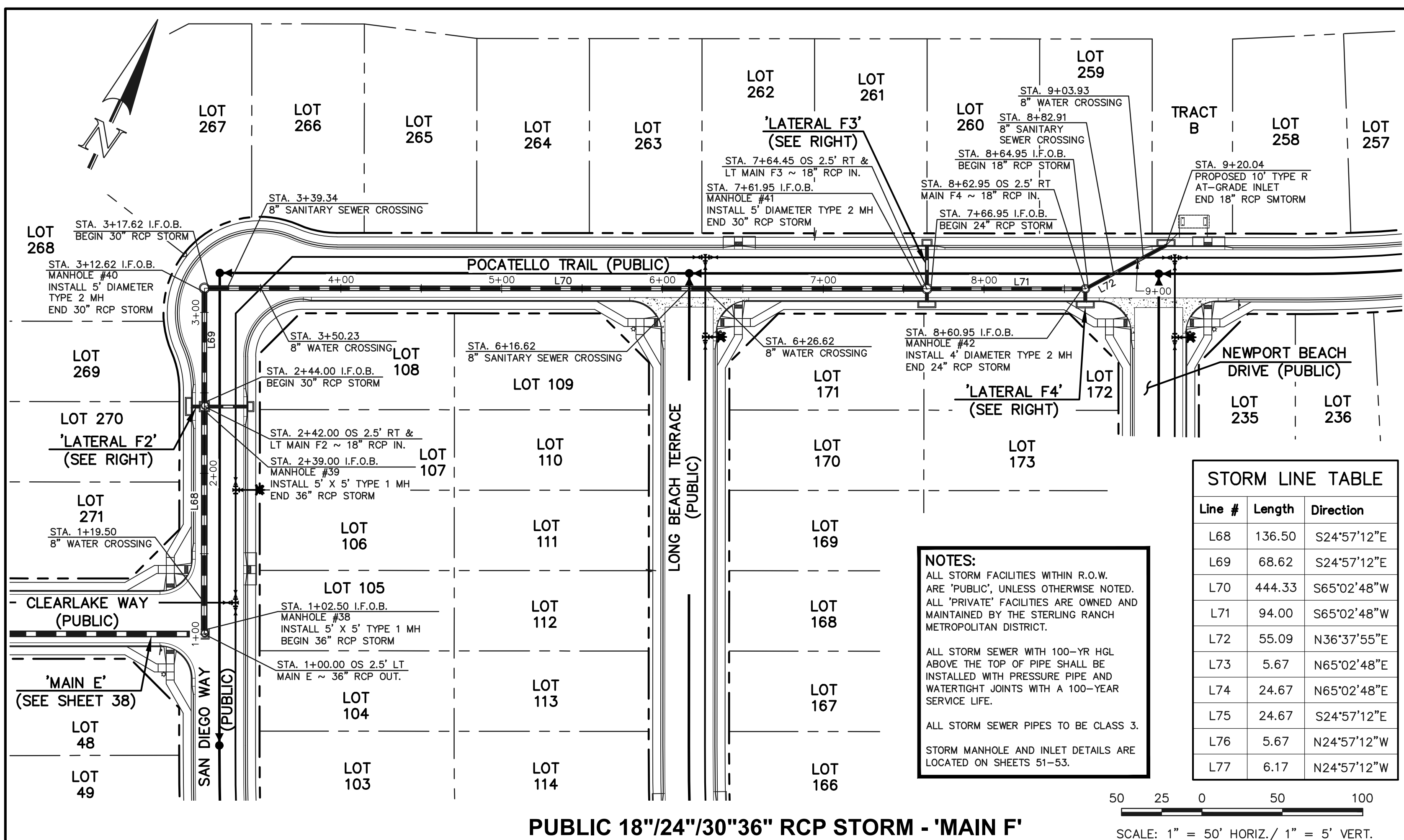
DESIGNED BY: MAL  
 DRAWN BY: MES  
 CHECKED BY: MAL

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

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

**CLASSIC CONSULTING**

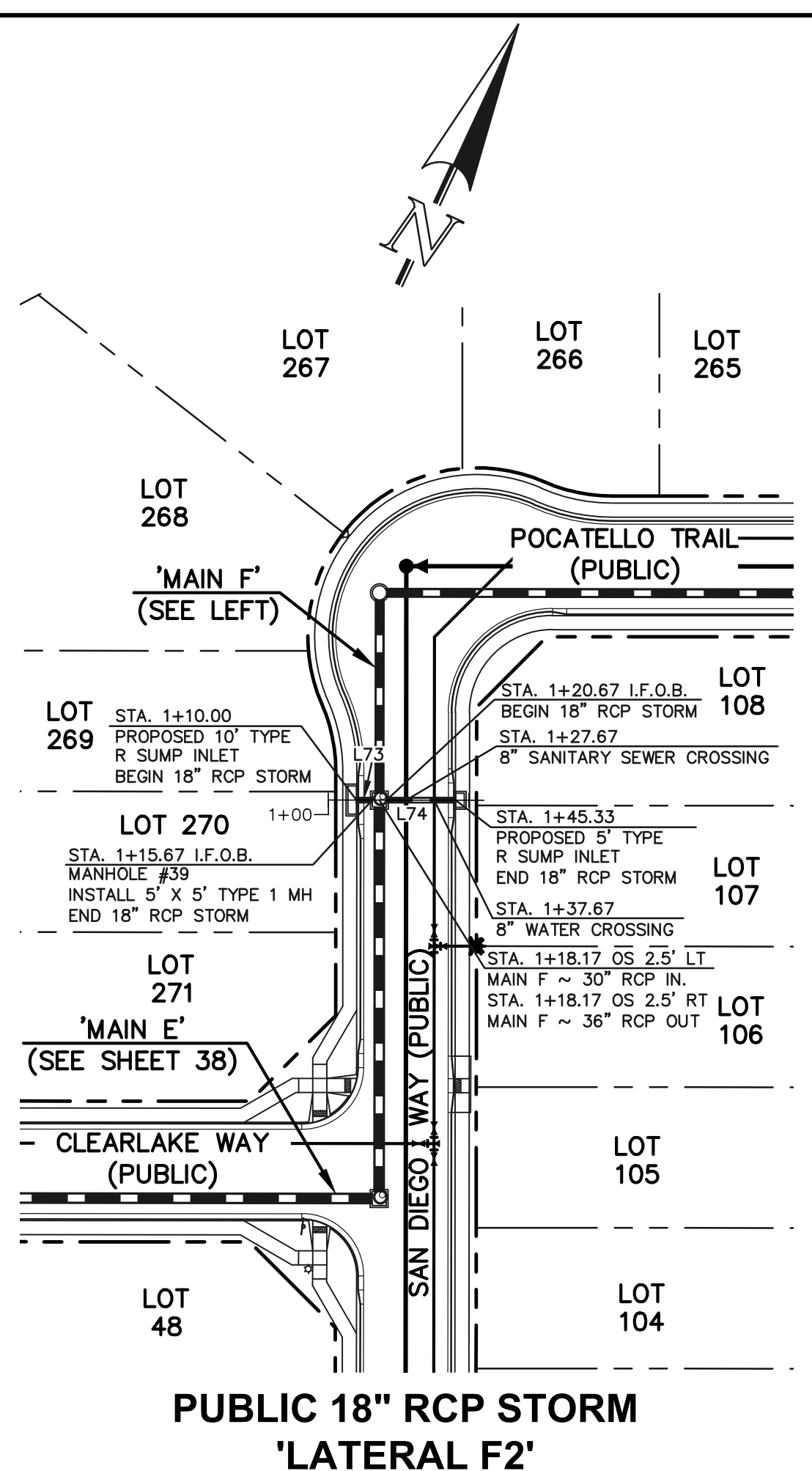
619 N. Cascade Avenue, Suite 200  
 Colorado Springs, Colorado 80903  
 (719)785-0790  
 (719)785-0799 (fax)



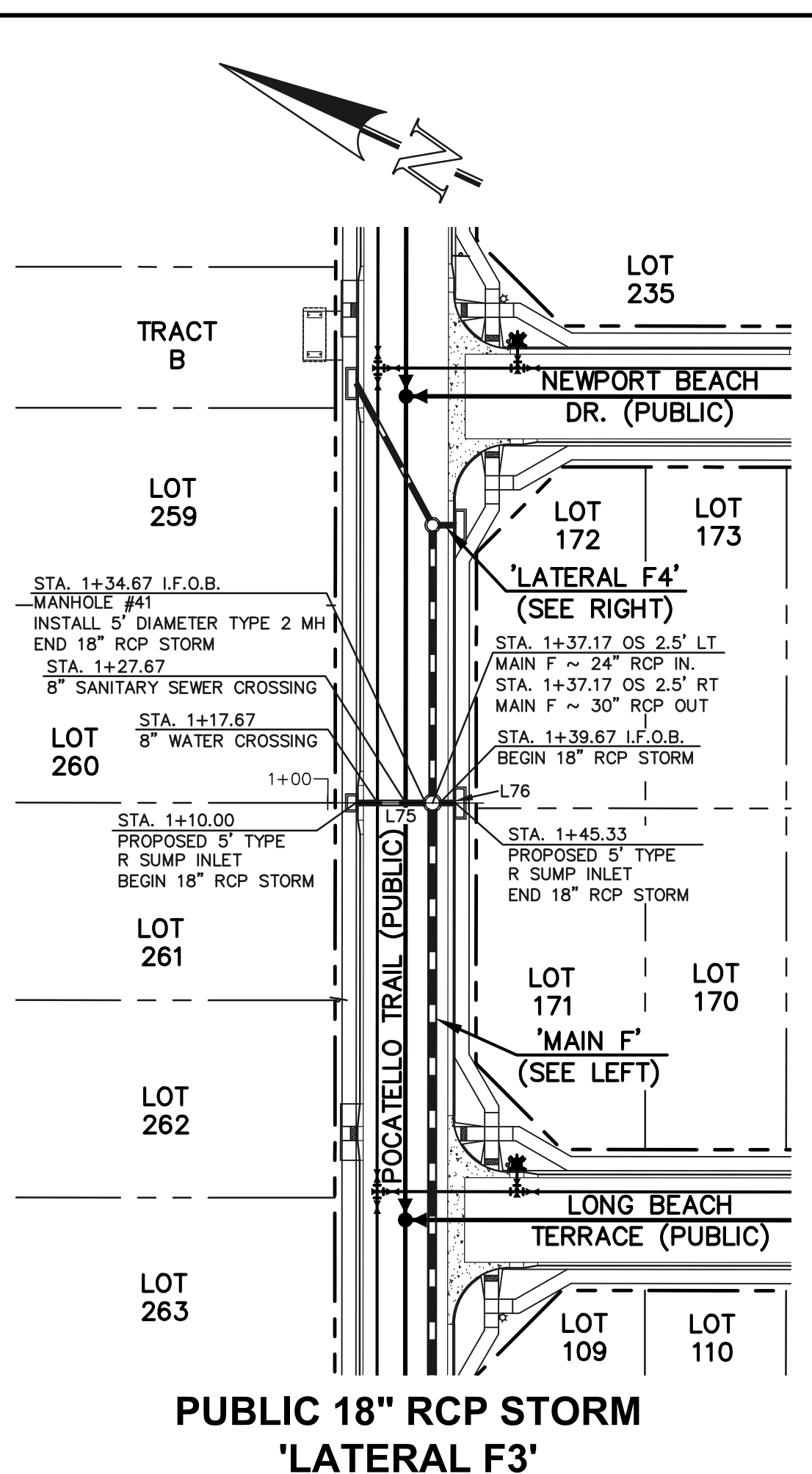
Line #	Length	Direction
L68	136.50	S24°57'12"E
L69	68.62	S24°57'12"E
L70	444.33	S65°02'48"W
L71	94.00	S65°02'48"W
L72	55.09	N36°37'55"E
L73	5.67	N65°02'48"E
L74	24.67	N65°02'48"E
L75	24.67	S24°57'12"E
L76	5.67	N24°57'12"W
L77	6.17	N24°57'12"W

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

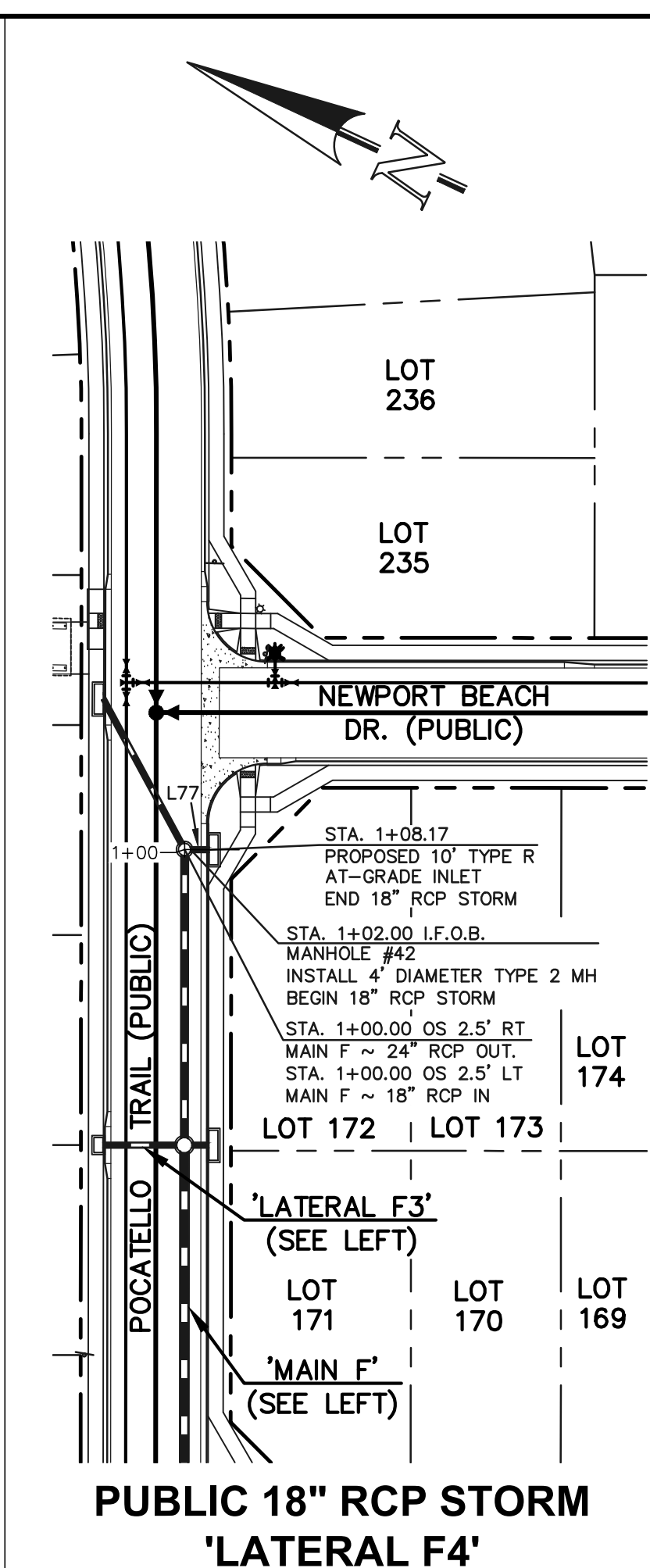
PUBLIC 18"/24"/30"/36" RCP STORM - 'MAIN F'  
 SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.



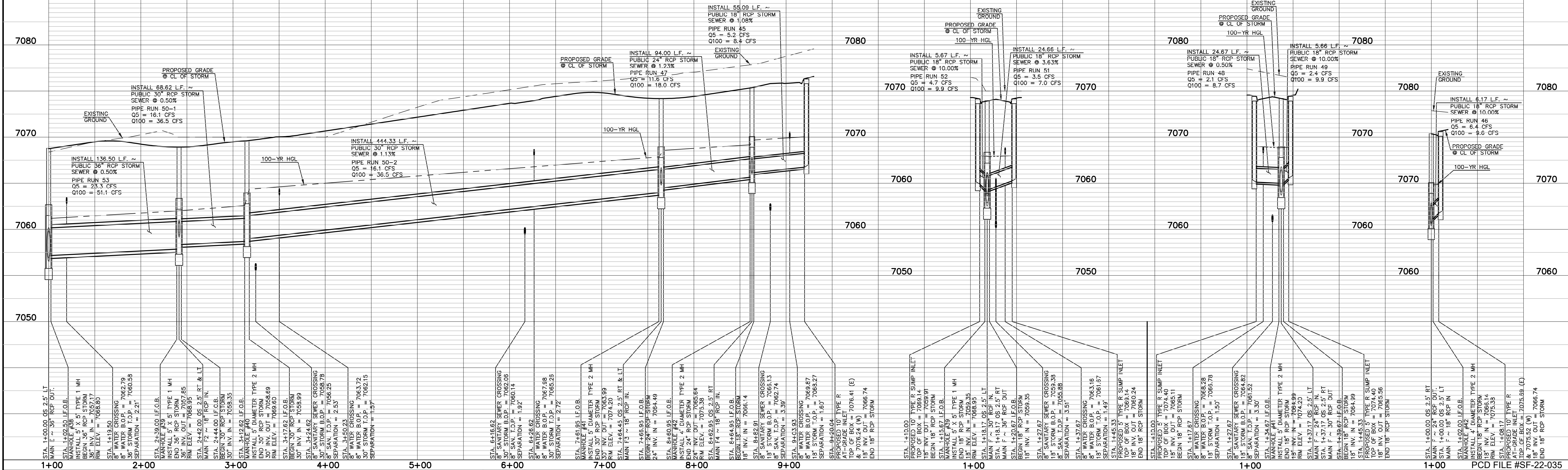
PUBLIC 18" RCP STORM  
 'LATERAL F2'



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
- 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. CAMERON, P.E. #29794

02/28/24

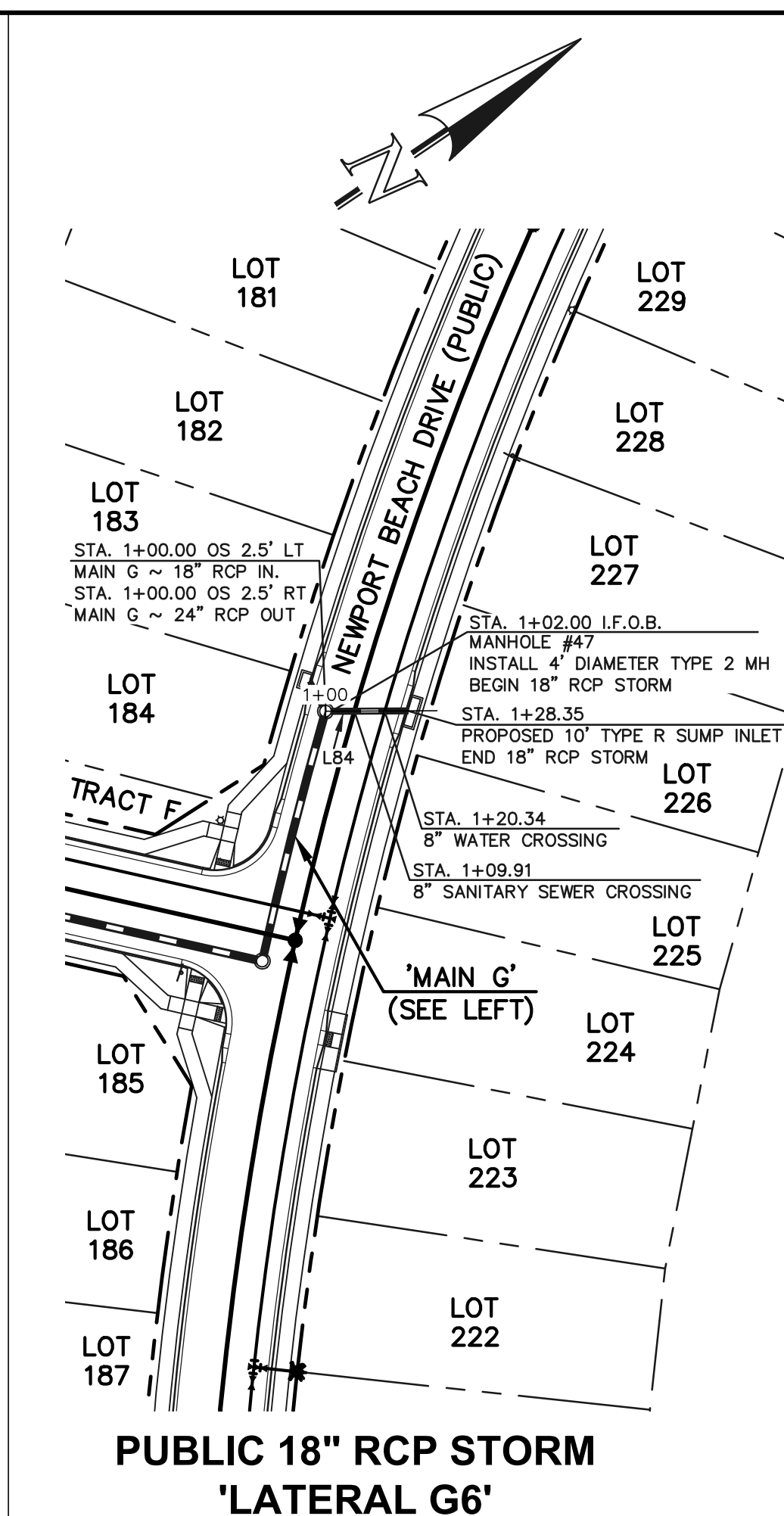
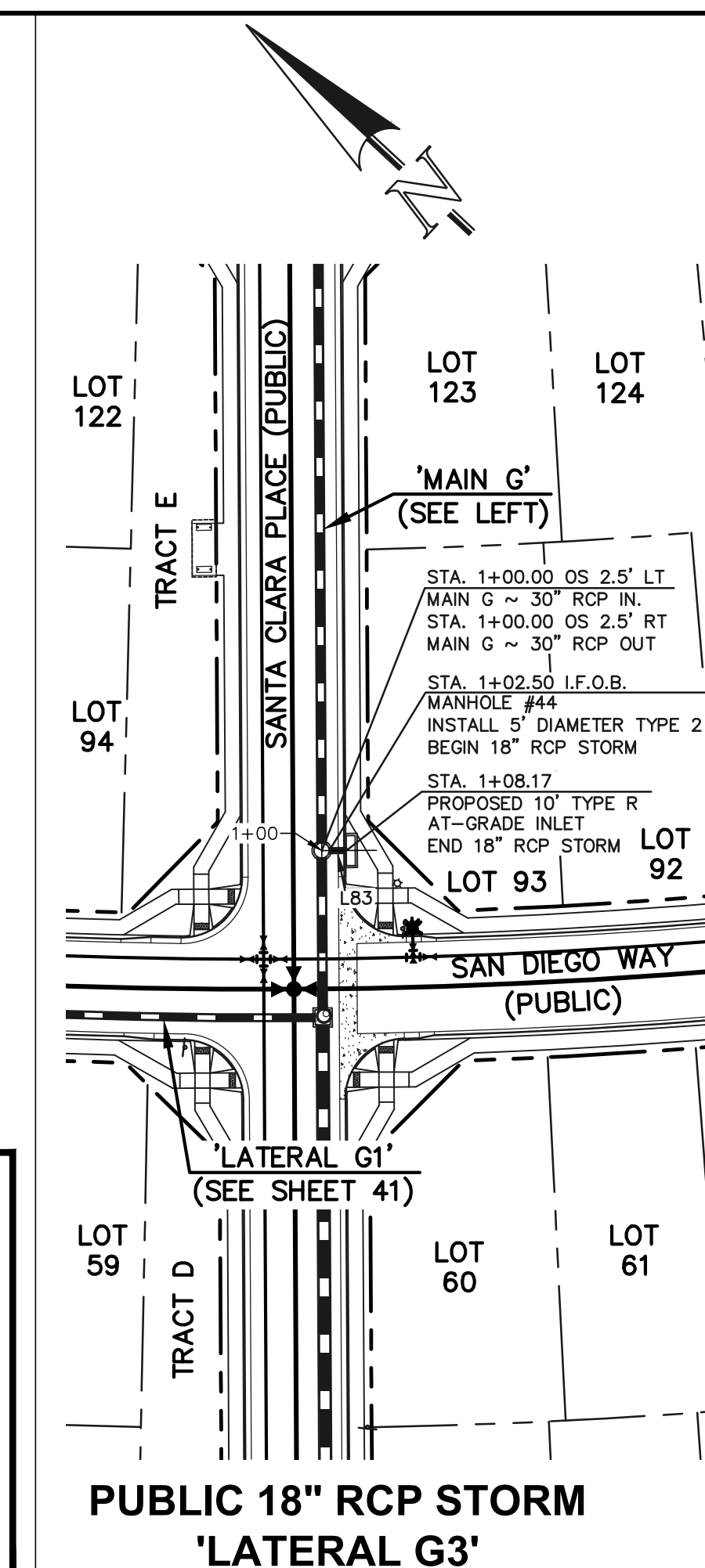
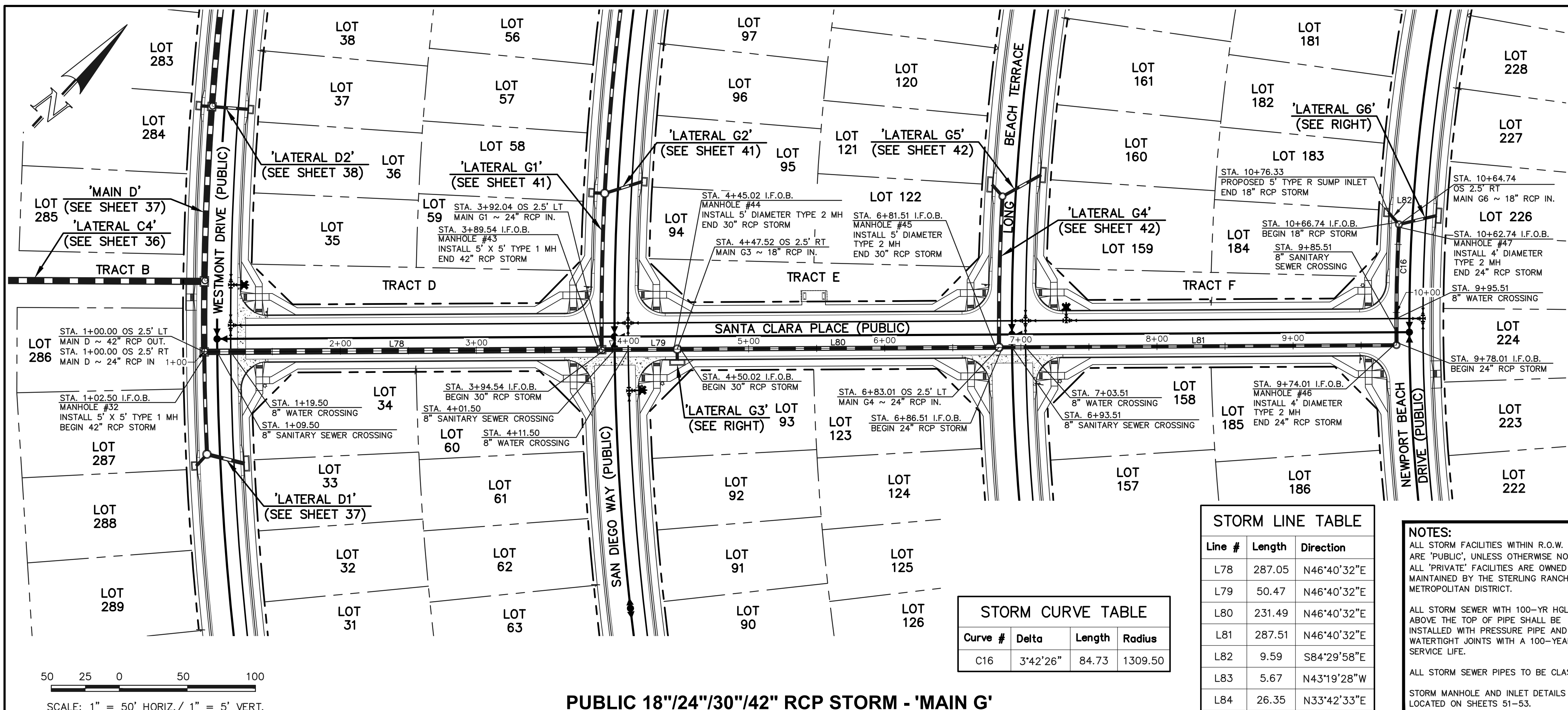
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 (719) 785-0790  
 (719) 785-0799 (fax)

STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 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

Curve #	Delta	Length	Radius
C16	3°42'26"	84.73	1309.50

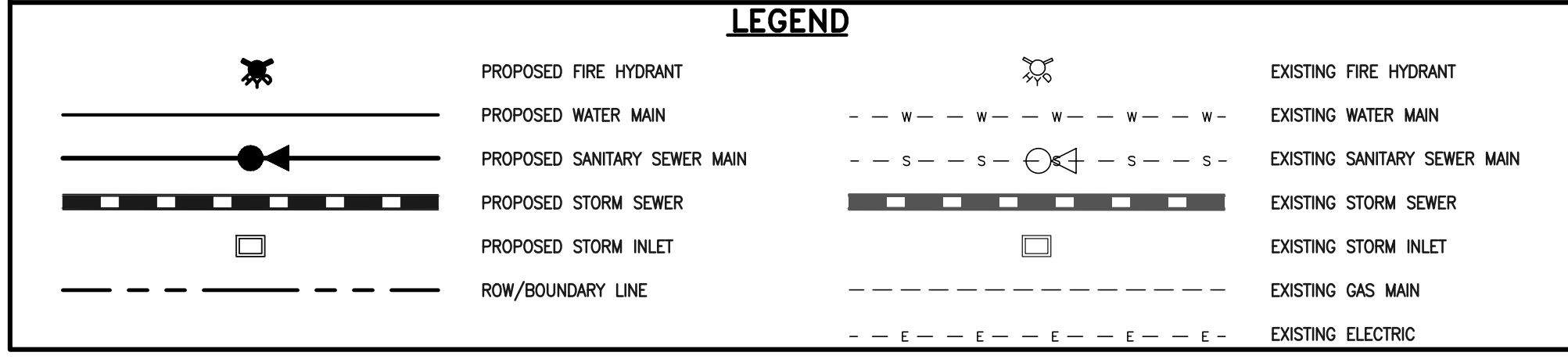
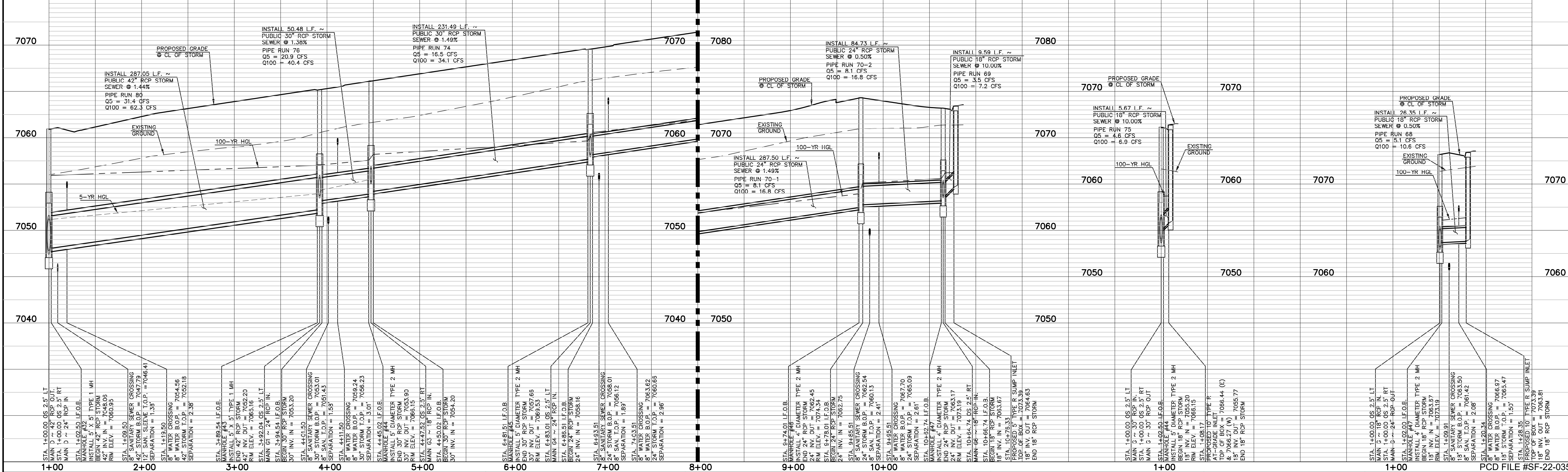
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**PUBLIC 18"/24"/30"/42" RCP STORM - 'MAIN G'**

**PUBLIC 18" RCP STORM 'LATERAL G3'**

**PUBLIC 18" RCP STORM 'LATERAL G6'**



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*Kyle R. Campbell*  
 KYLE R. CAMPBELL, P.E. #29794

DATE: 02/28/24

CLASSIC CONSULTING

STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 STORM SEWER PLAN  
 "MAIN G" STA: 1+00 - END/LATERAL G3 & G6

DESIGNED BY	MAL	SCALE	DATE	08/31/22
DRAWN BY	MES	(H) 1" = 50'	SHEET	40 OF 53
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.30	

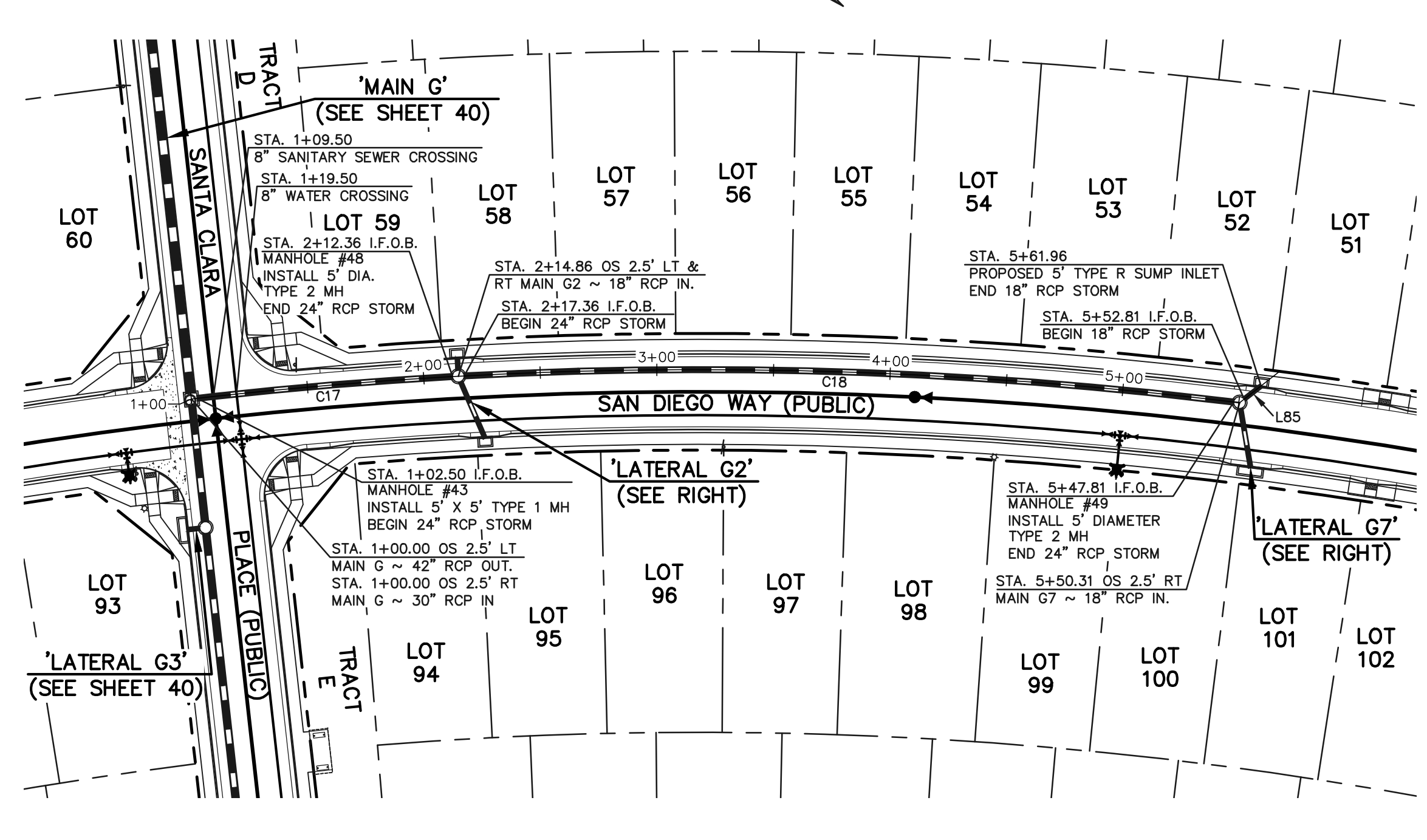


50 25 0 50 100  
SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.

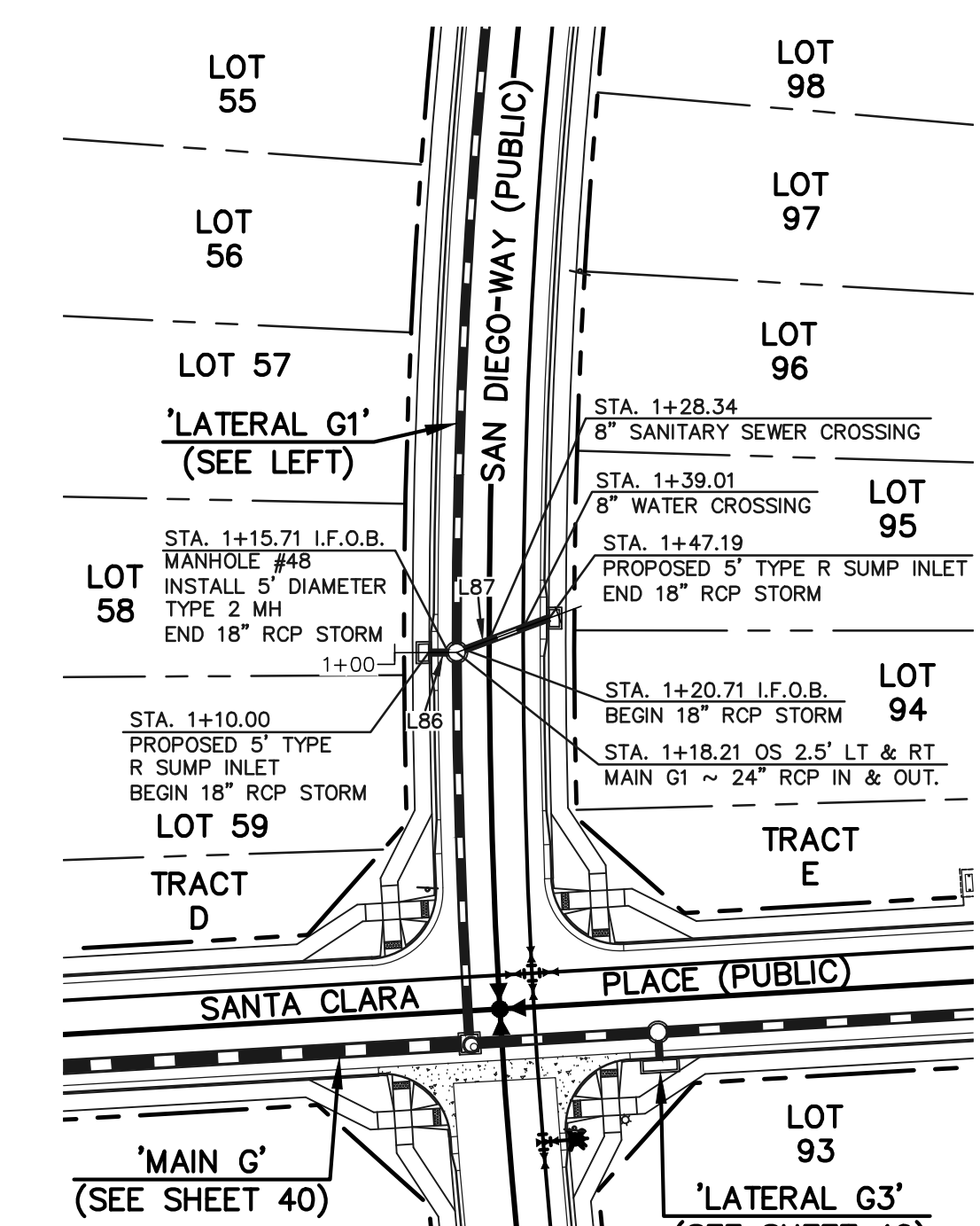
STORM LINE TABLE		
Line #	Length	Direction
L85	9.14	S75°02'13"E
L86	5.71	N49°51'49"E
L87	26.48	N29°38'45"E
L88	25.89	N43°23'41"E

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

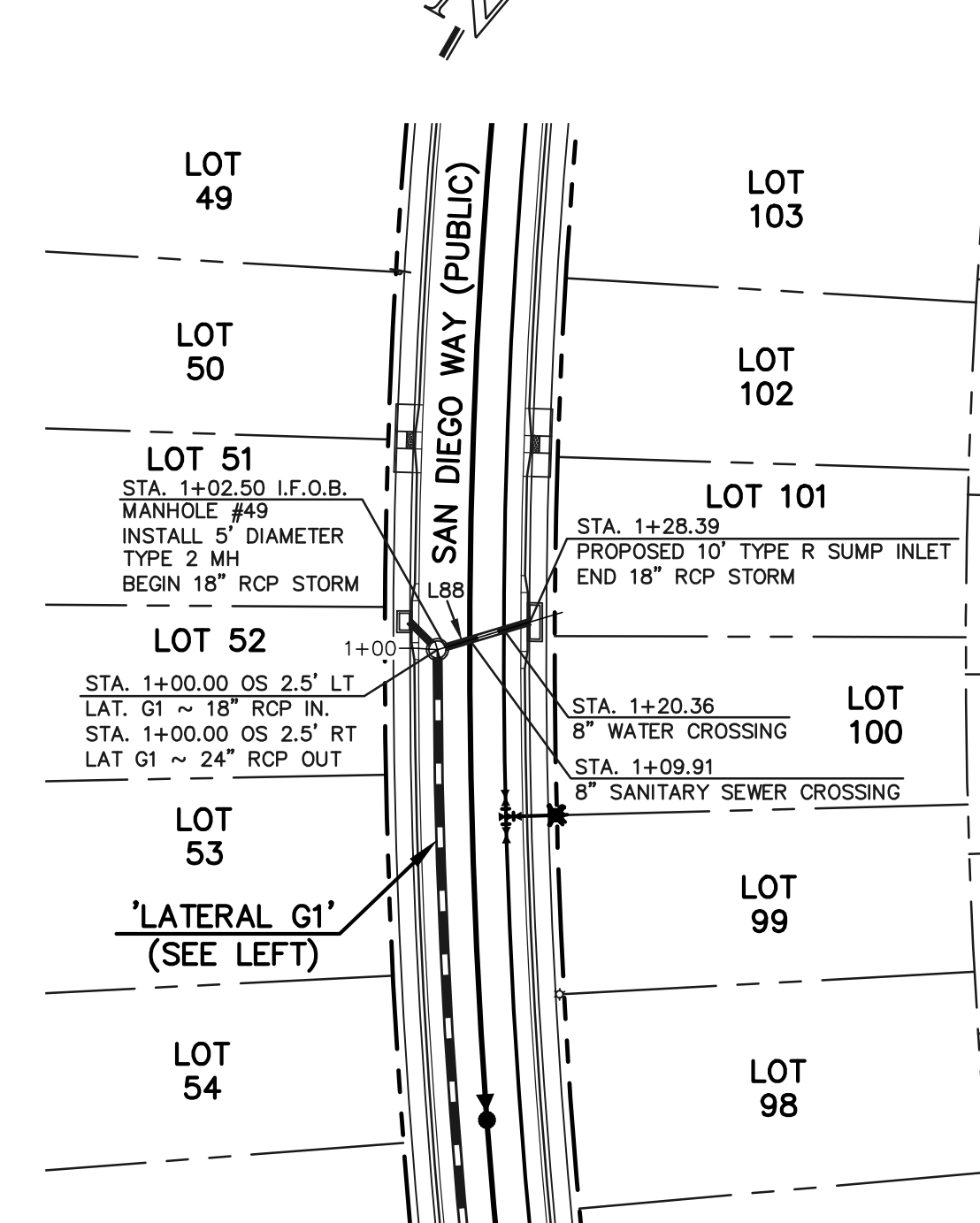
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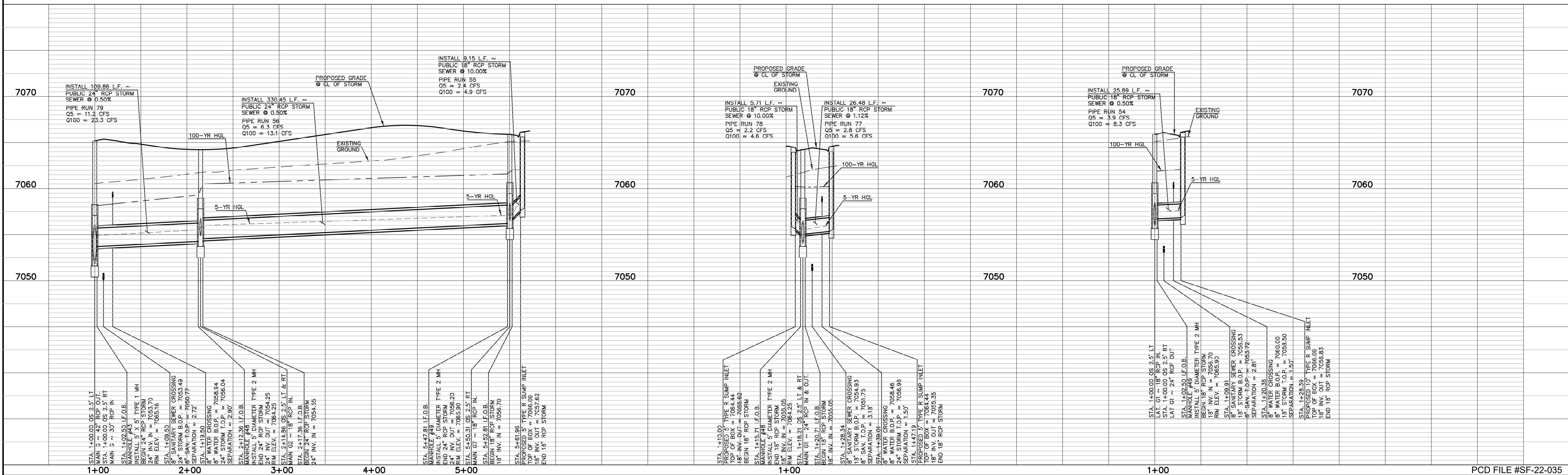
**PUBLIC 18"/24" RCP STORM - 'LATERAL G1'**



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



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



**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
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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. Cannon*  
KYLE R. CANNON, PROFESSIONAL ENGINEER, #29794

02/28/24  
DATE

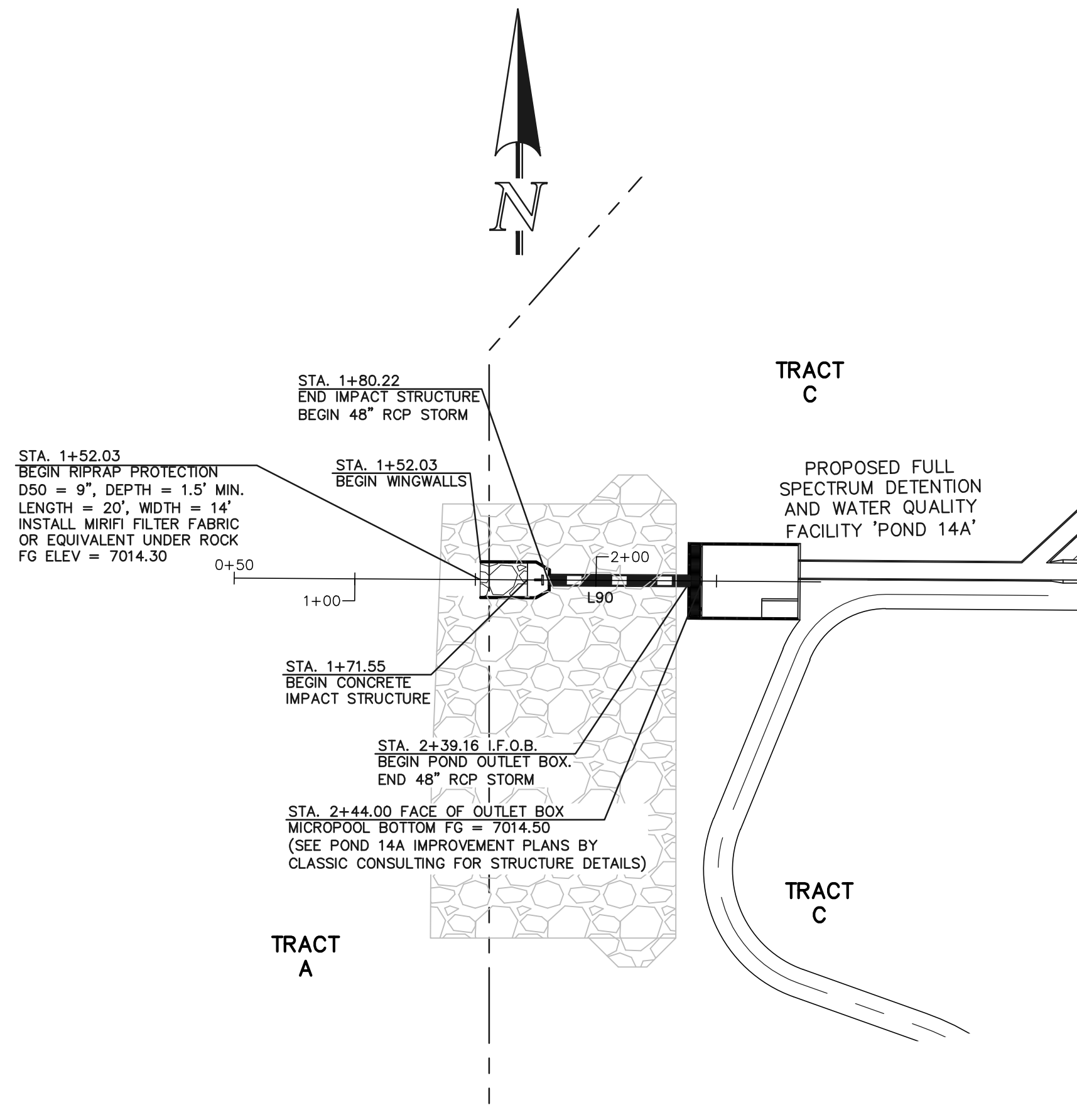
**CLASSIC CONSULTING**

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

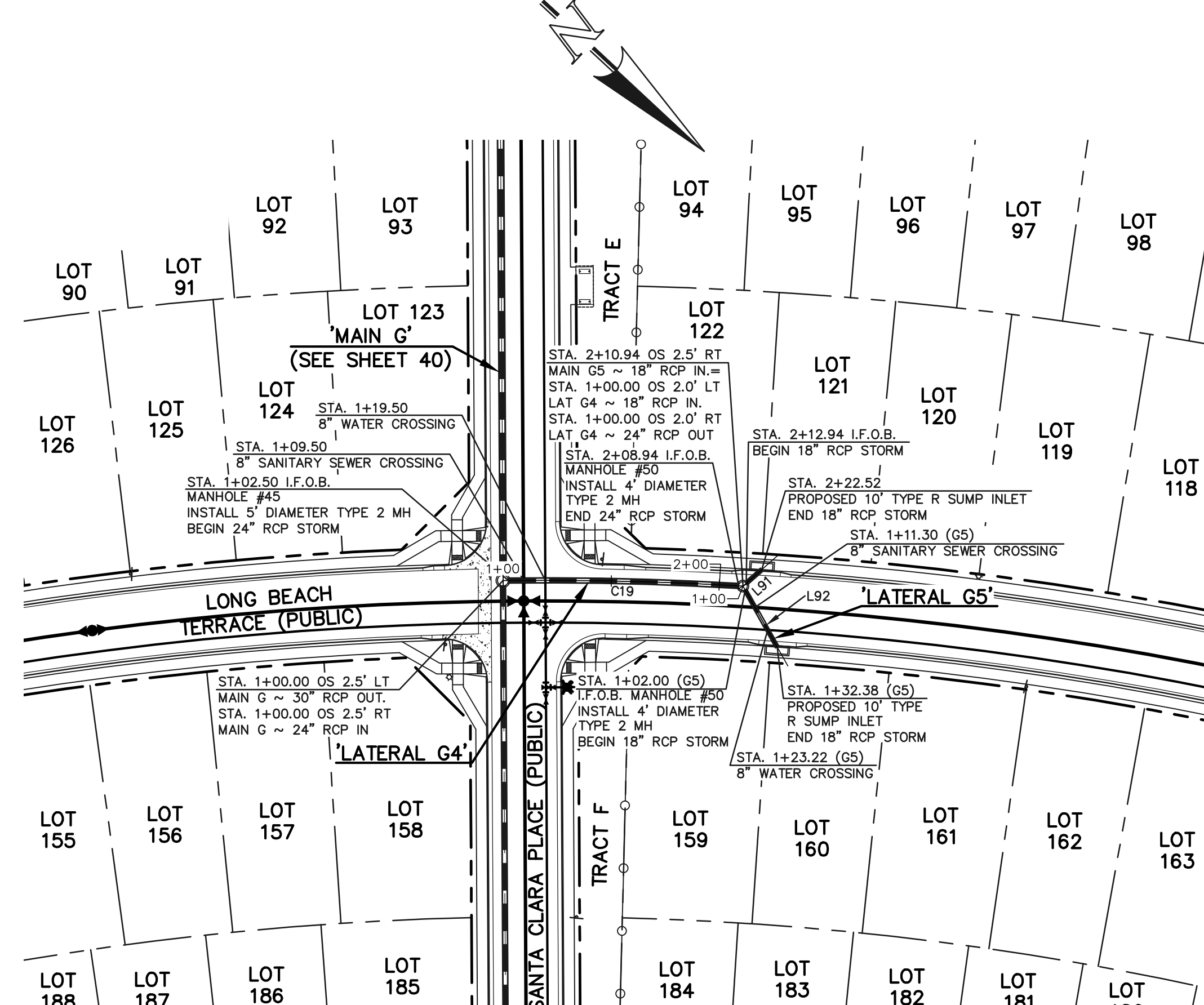
(719)785-0790  
(719)785-0799 (fax)

STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
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	

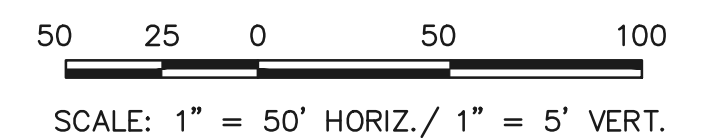


**PRIVATE 48" RCP STORM - 'POND 14A OUTFALL'**



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

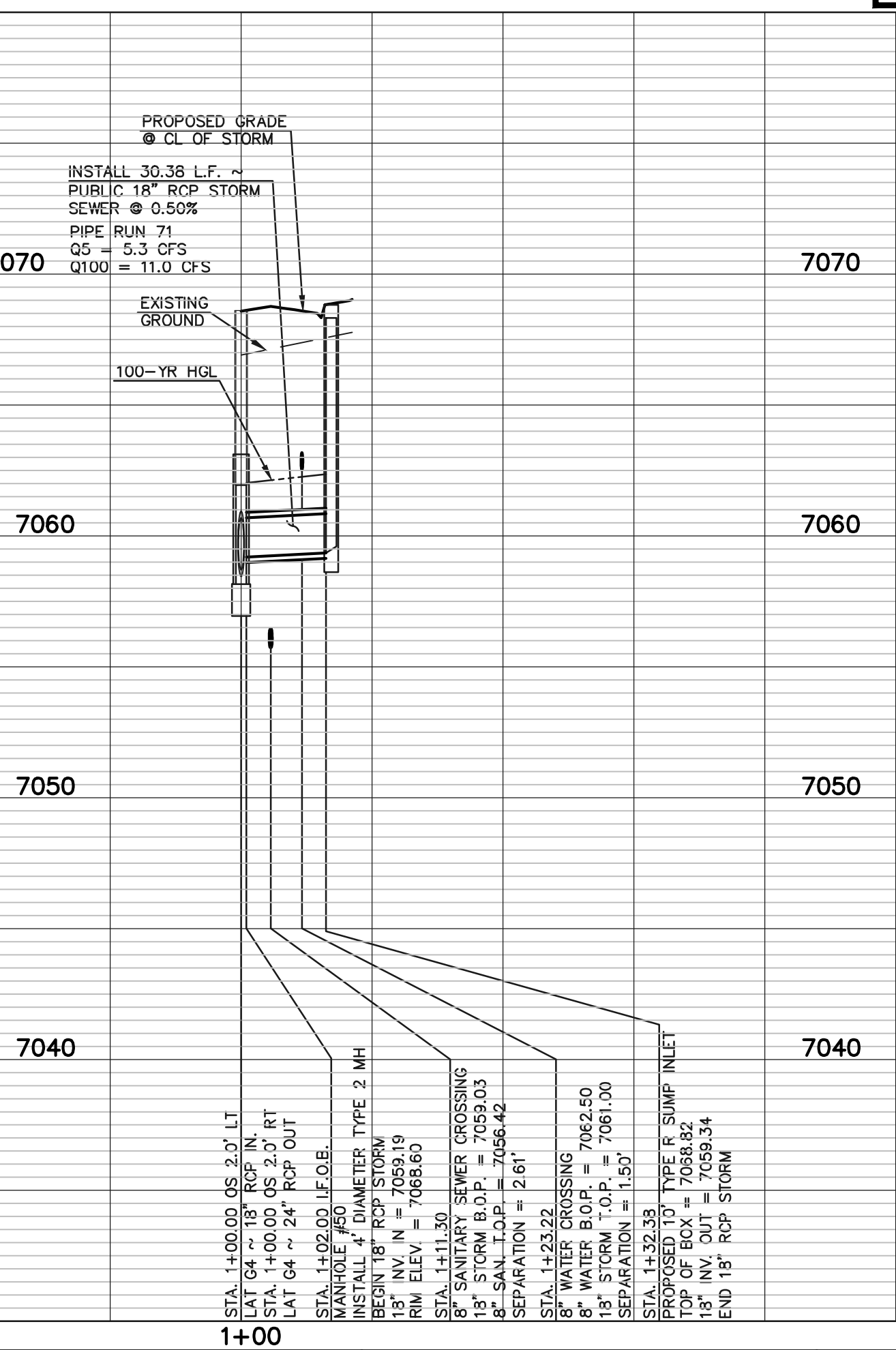
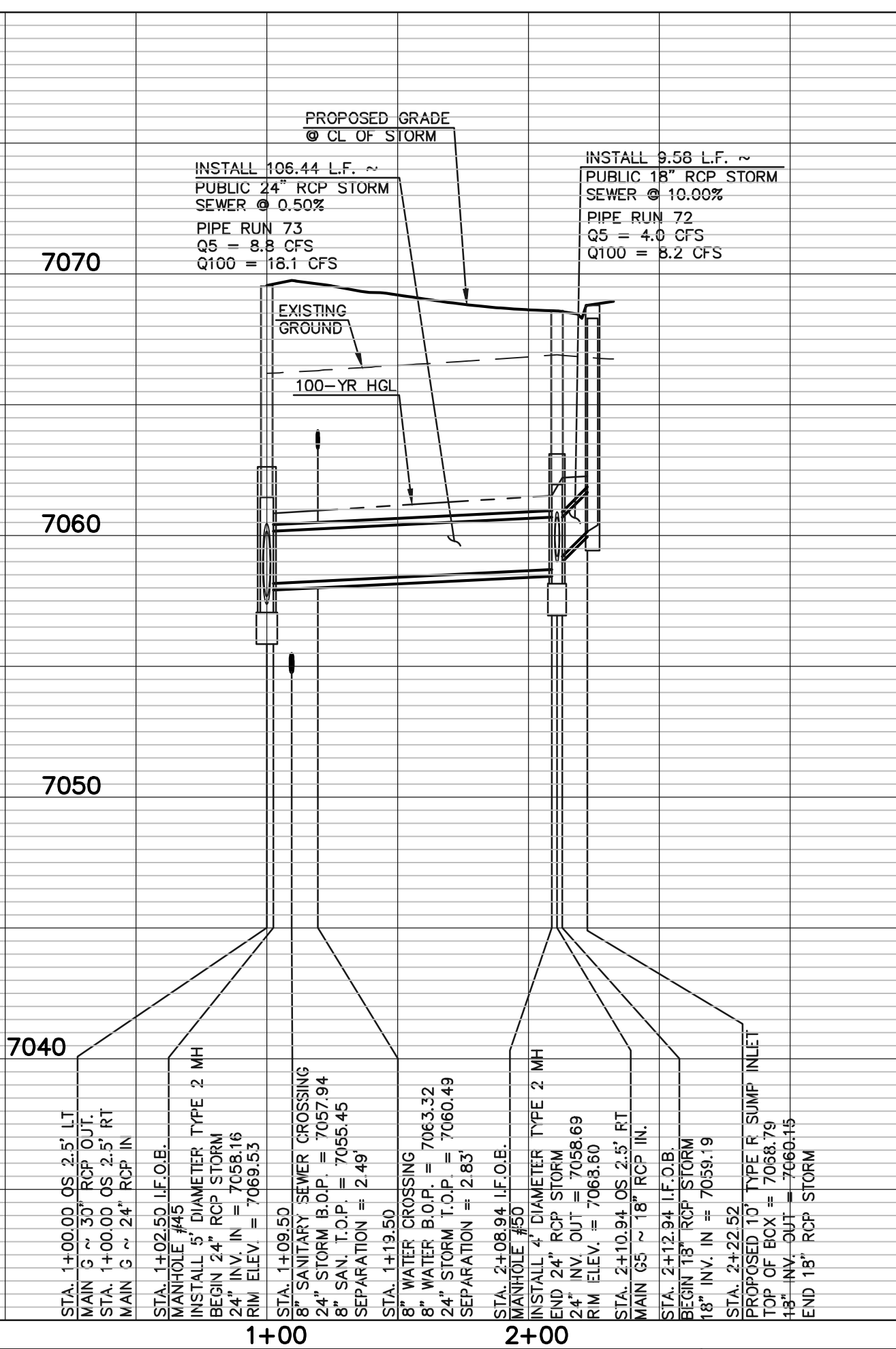
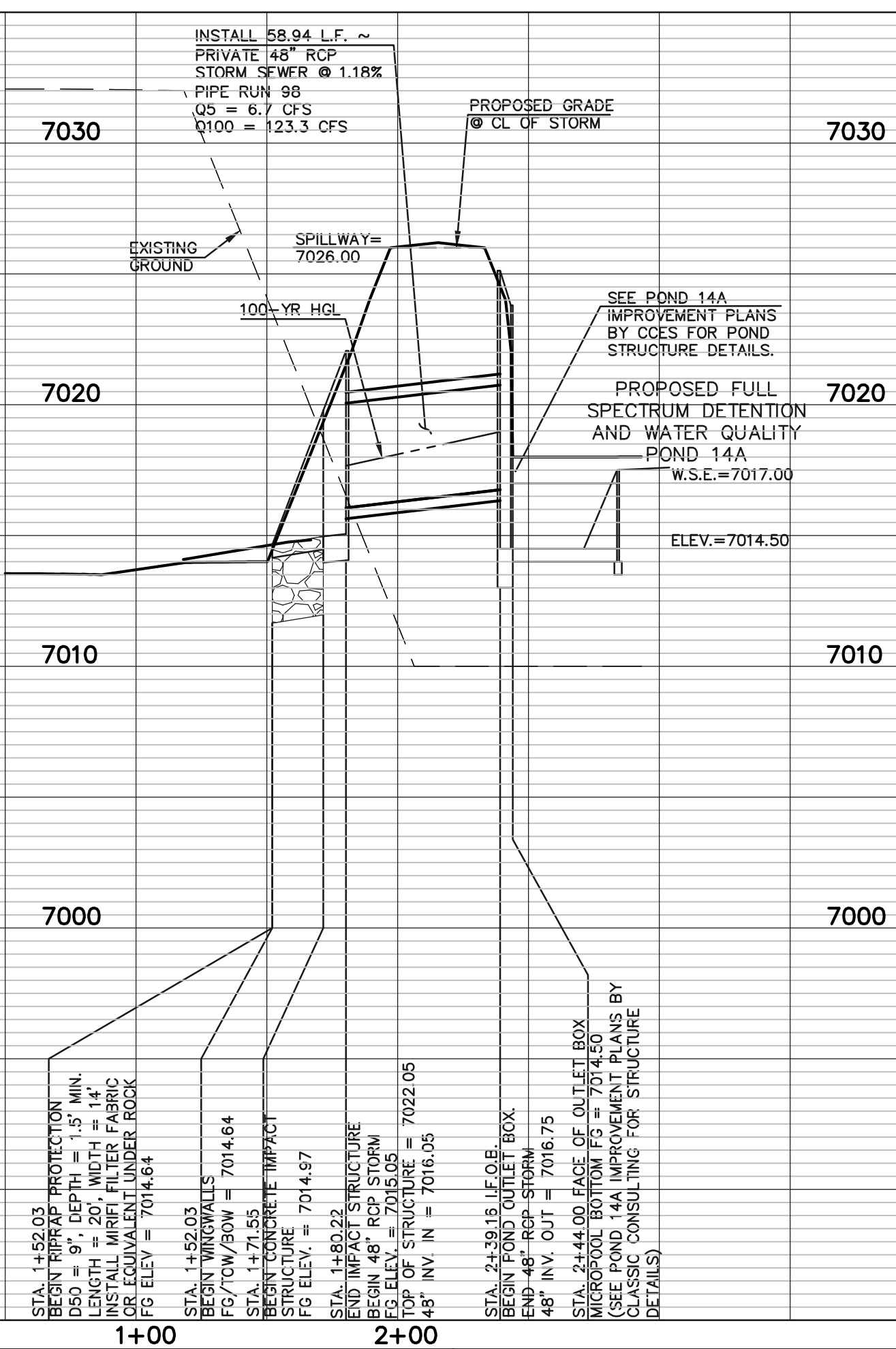
**PUBLIC 18" RCP STORM 'LATERAL G5'**



STORM LINE TABLE		
Line #	Length	Direction
L90	58.94	S89°37'48"E
L91	9.58	S84°24'08"E
L92	30.38	N17°40'01"E

STORM CURVE TABLE			
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 "PRIVATE" FACILITIES ARE OWNED AND MAINTAINED BY THE STERLING RANCH METROPOLITAN DISTRICT.  
 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.



PCD FILE #SF-22-035

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

48 HOURS BEFORE YOU DIG,  
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NO.	REVISION	DATE

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

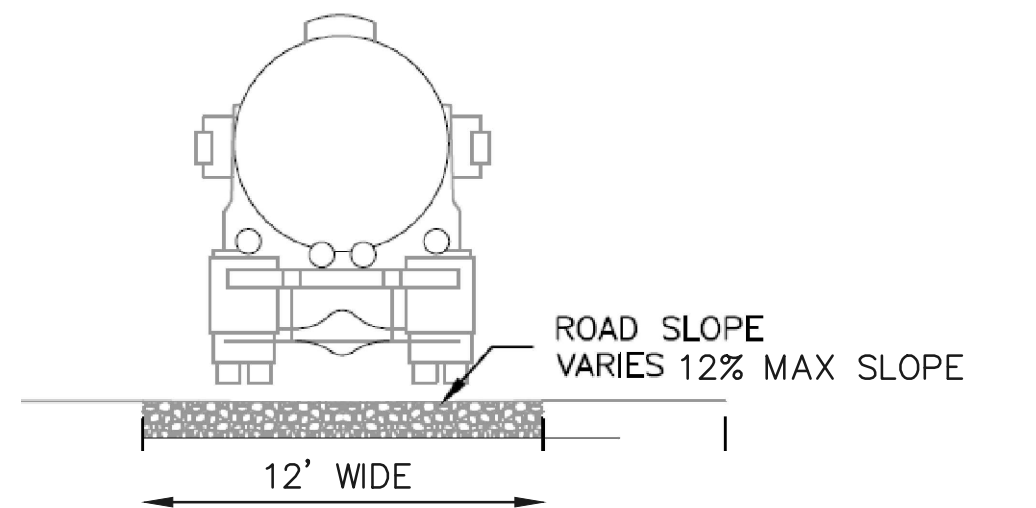
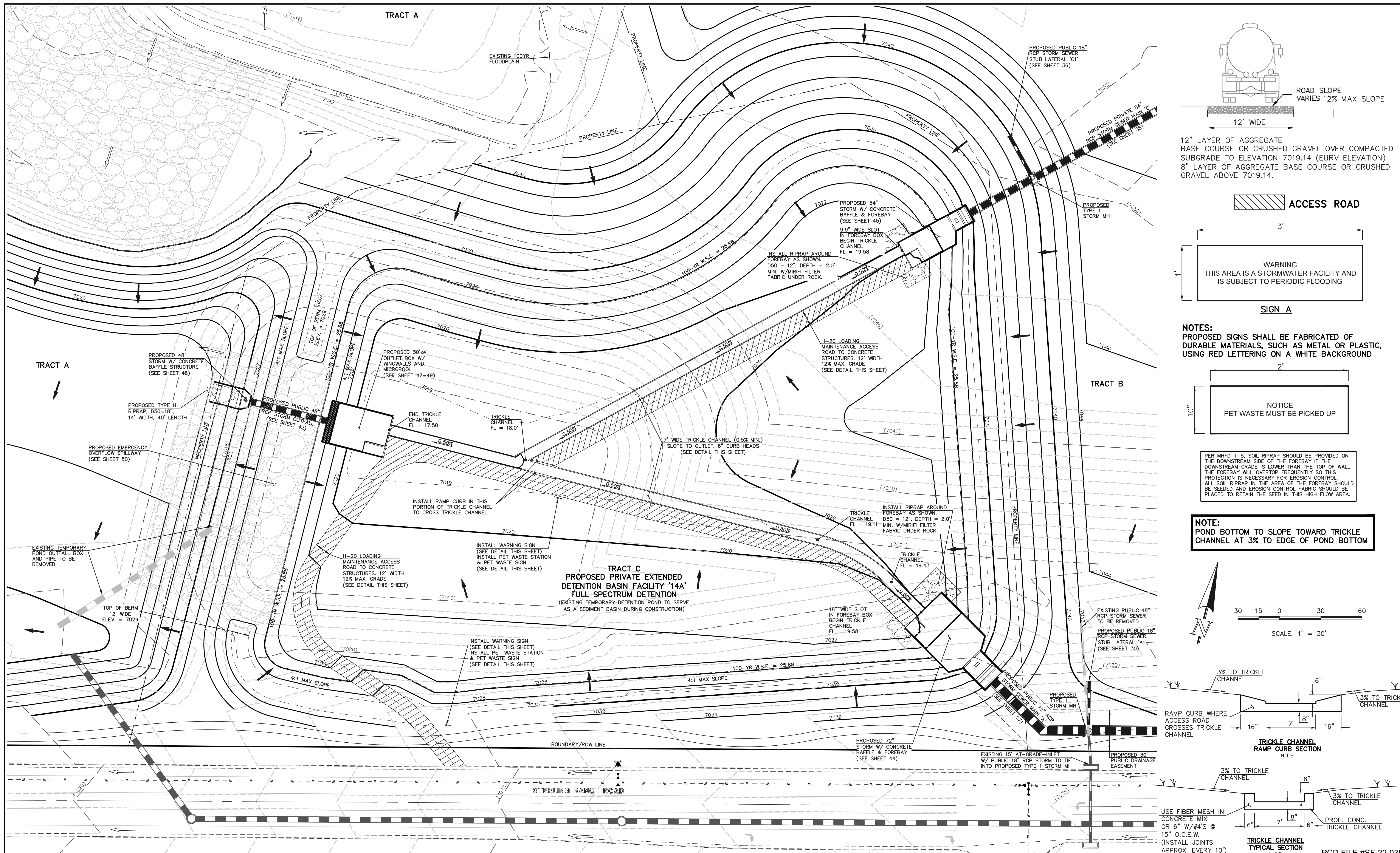
*[Signature]*  
 KYLE R. CAMPBELL  
 PROFESSIONAL ENGINEER #29794

02/28/24  
 DATE

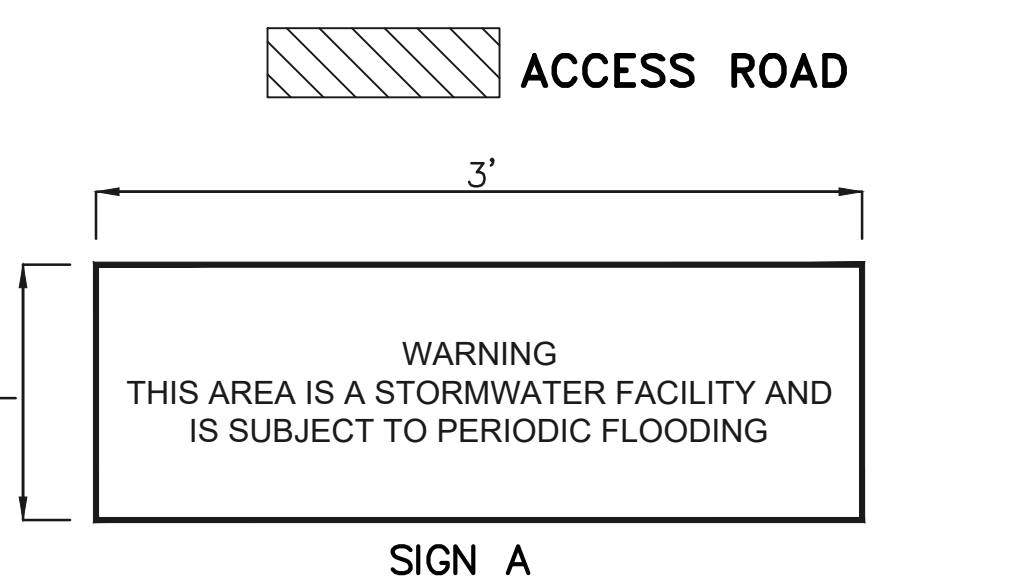


STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 STORM SEWER PLAN  
 "POND OUTFALL"/LATERAL G4 & G5

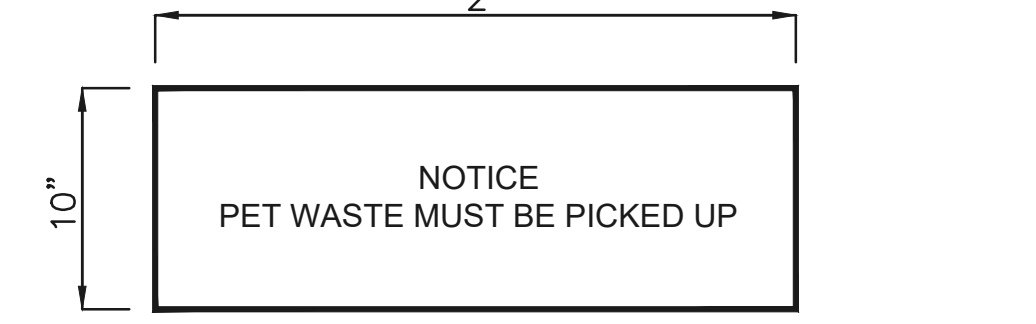
DESIGNED BY	MAL	SCALE	DATE	08/31/22
DRAWN BY	MES	(H) 1" = 50'	SHEET	42 OF 53
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.30	



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.

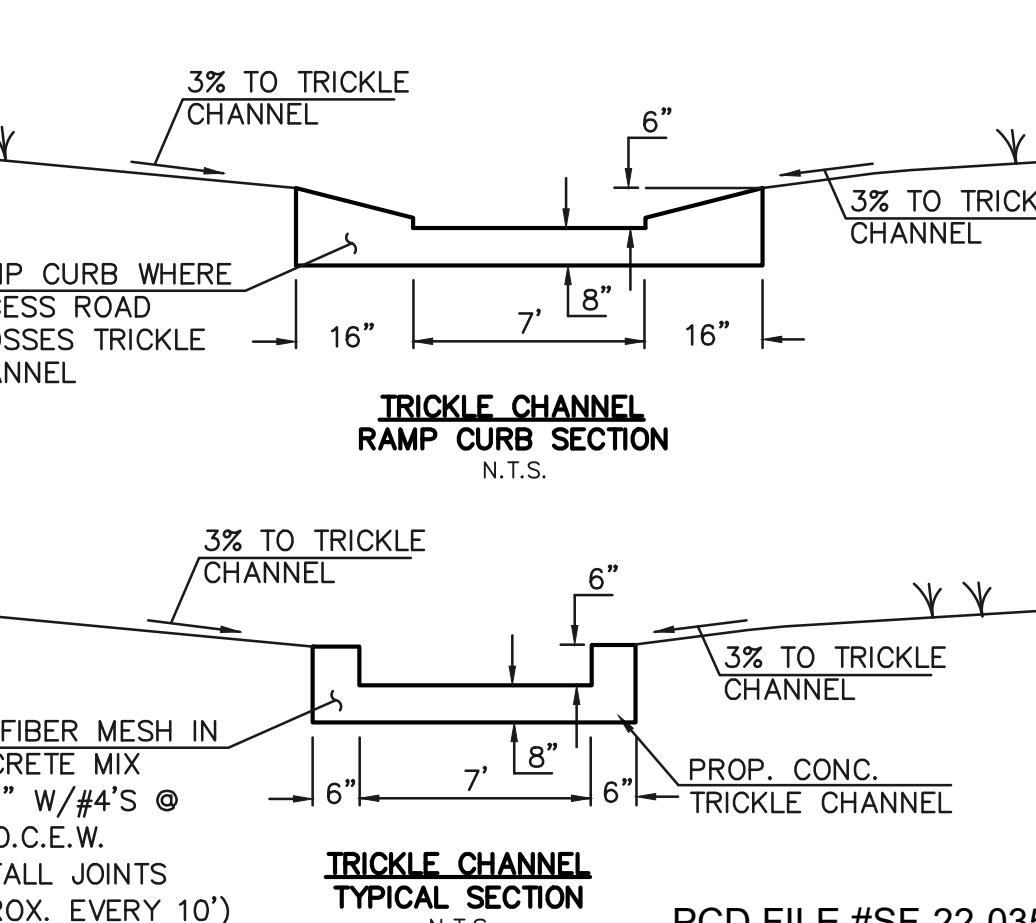
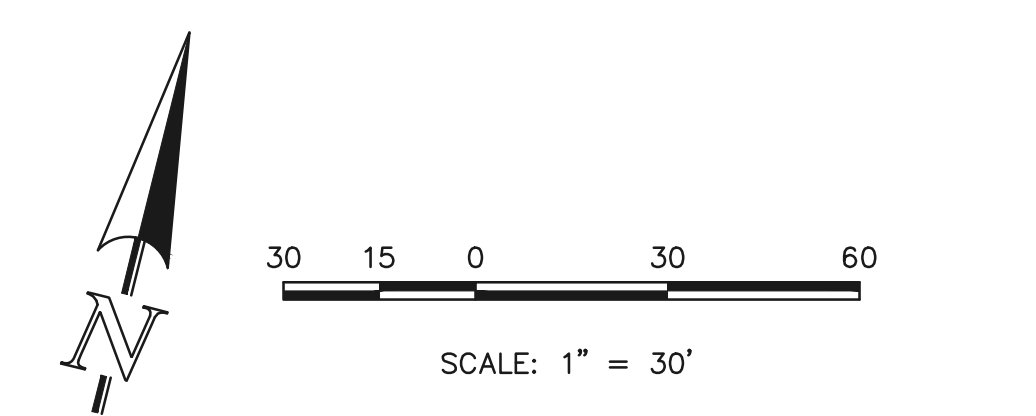


NOTES:  
PROPOSED SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND



PER MHFD T-5, SOIL RIPRAP SHOULD BE PROVIDED ON THE DOWNSTREAM SIDE OF THE FOREBAY IF THE DOWNSTREAM GRADE IS LOWER THAN THE TOP OF 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.

NOTE:  
POND BOTTOM TO SLOPE TOWARD TRICKLE CHANNEL AT 3% 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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KYLE R. CAMPBELL, PROFESSIONAL ENGINEER #29794

DATE: 02/28/24

**CLASSIC CONSULTING**

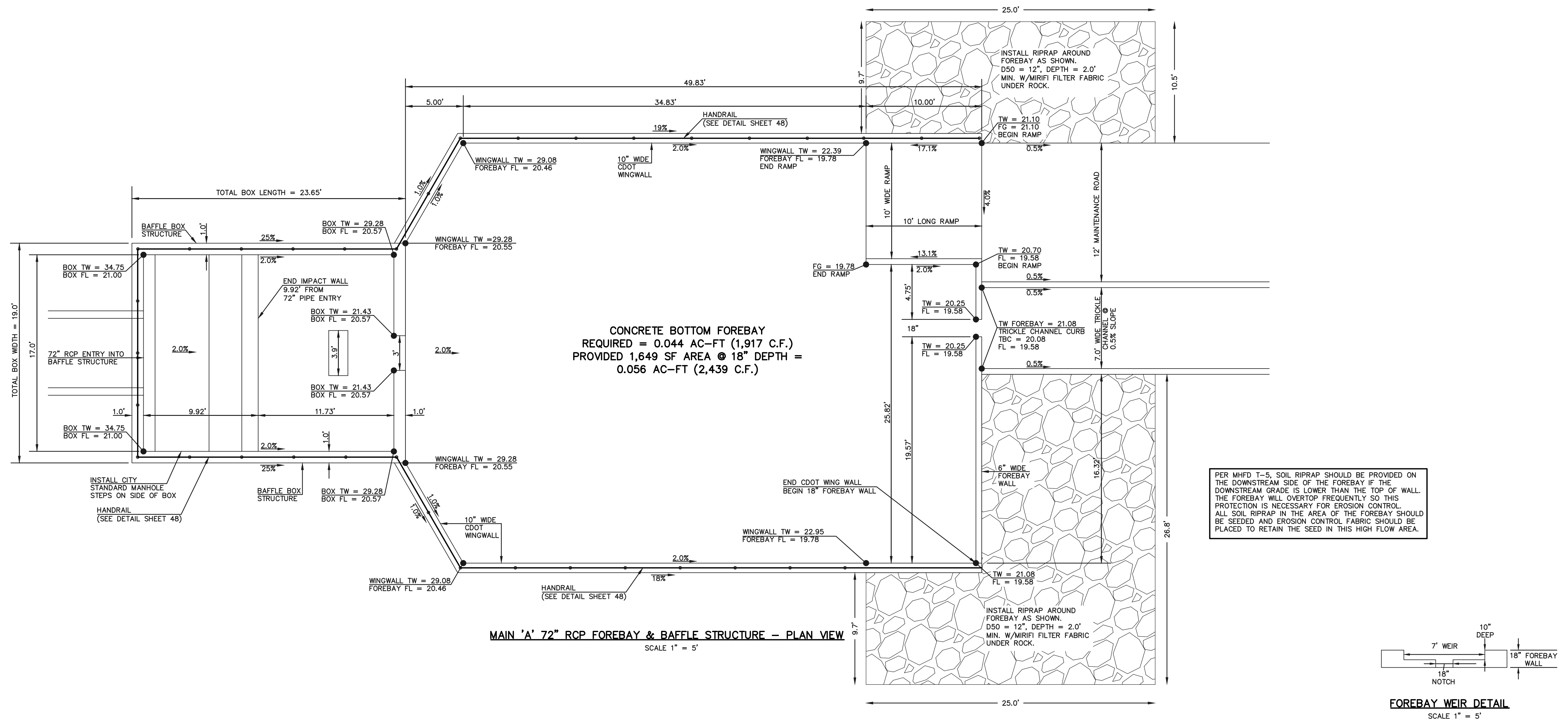
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

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

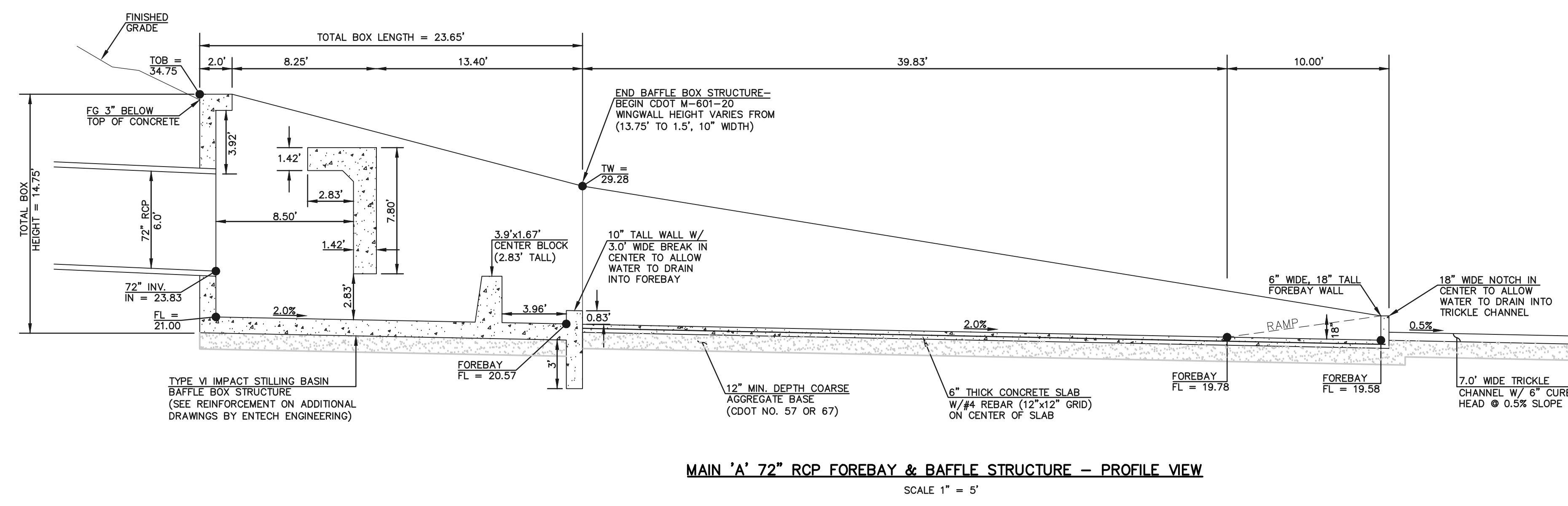
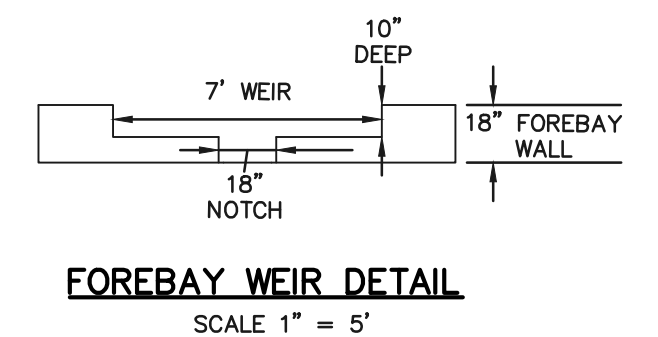
STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
POND '14A'  
EDB - FULL SPECTRUM DETENTION

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	

PCD FILE #SF-22-035



PER MHFD T-5, SOIL RIPRAP SHOULD BE PROVIDED ON THE DOWNSTREAM SIDE OF THE FOREBAY IF THE DOWNSTREAM GRADE IS LOWER THAN THE TOP OF 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.



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*[Signature]*  
KYLE R. CANNON  
PROFESSIONAL ENGINEER #29794

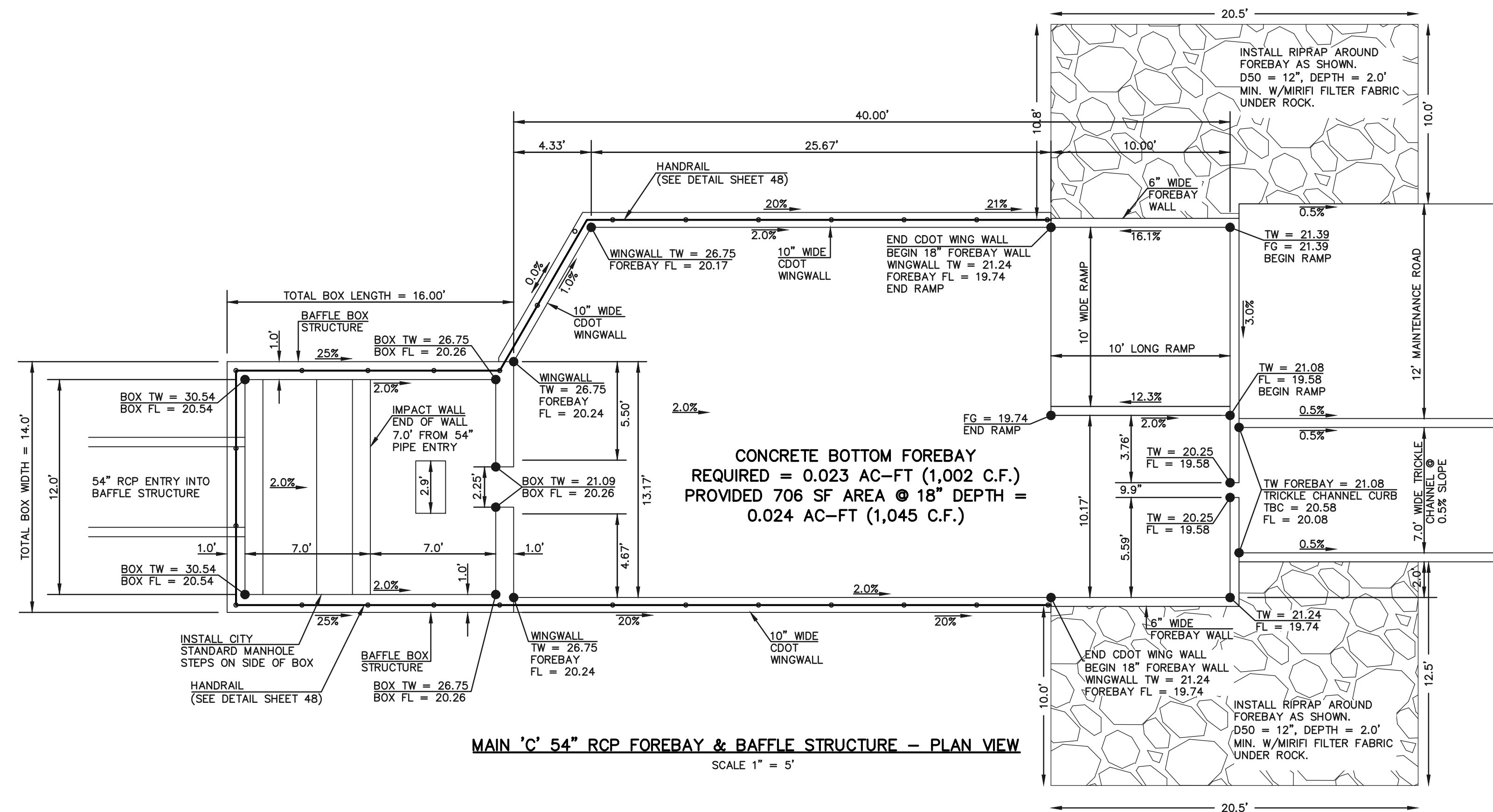
02/28/24  
DATE



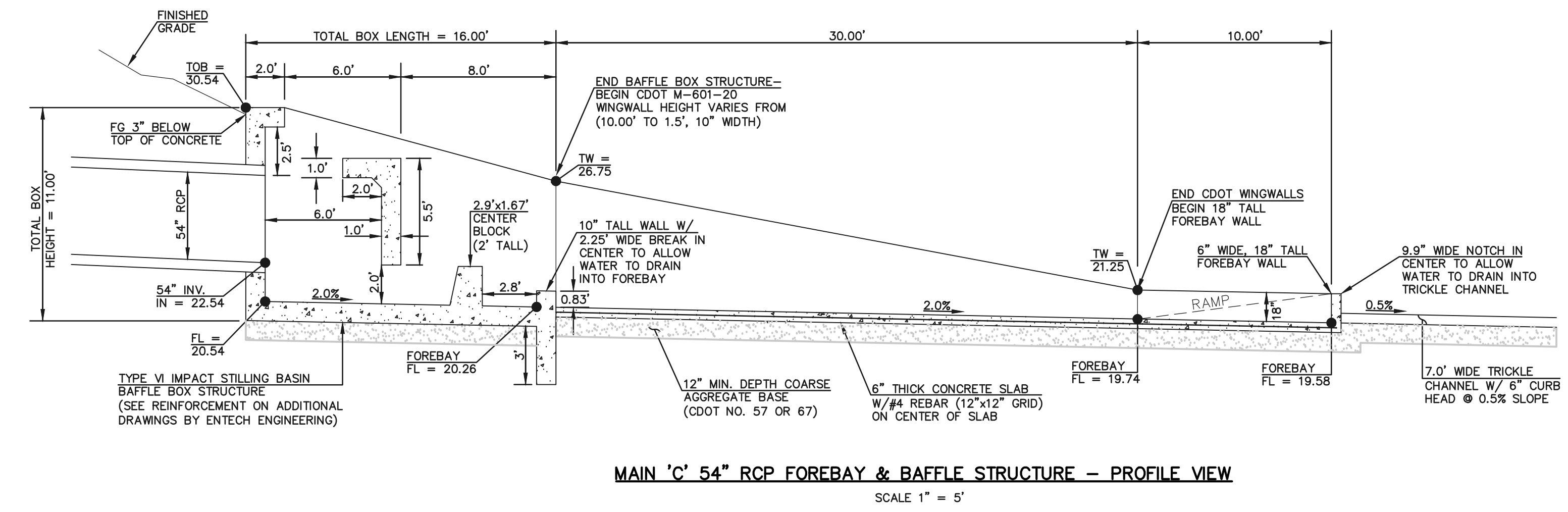
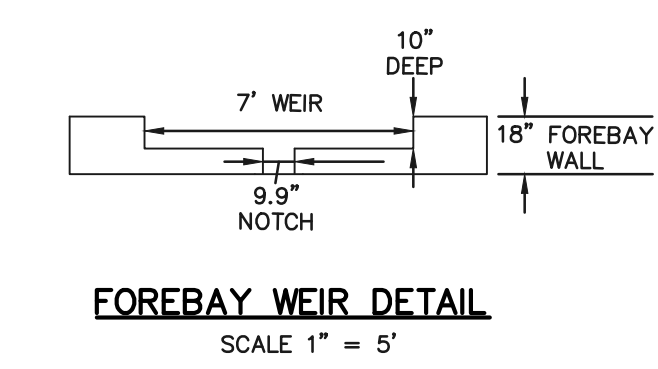
PCD FILE #SF-22-035

STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
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



PER MHFD T-5, SOIL RIPRAP SHOULD BE PROVIDED ON THE DOWNSTREAM SIDE OF THE FOREBAY IF THE DOWNSTREAM GRADE IS LOWER THAN THE TOP OF 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.



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*[Signature]*  
KYLE R. CARROLL, COLORADO LICENSED PROFESSIONAL ENGINEER #29794

02/28/24 DATE

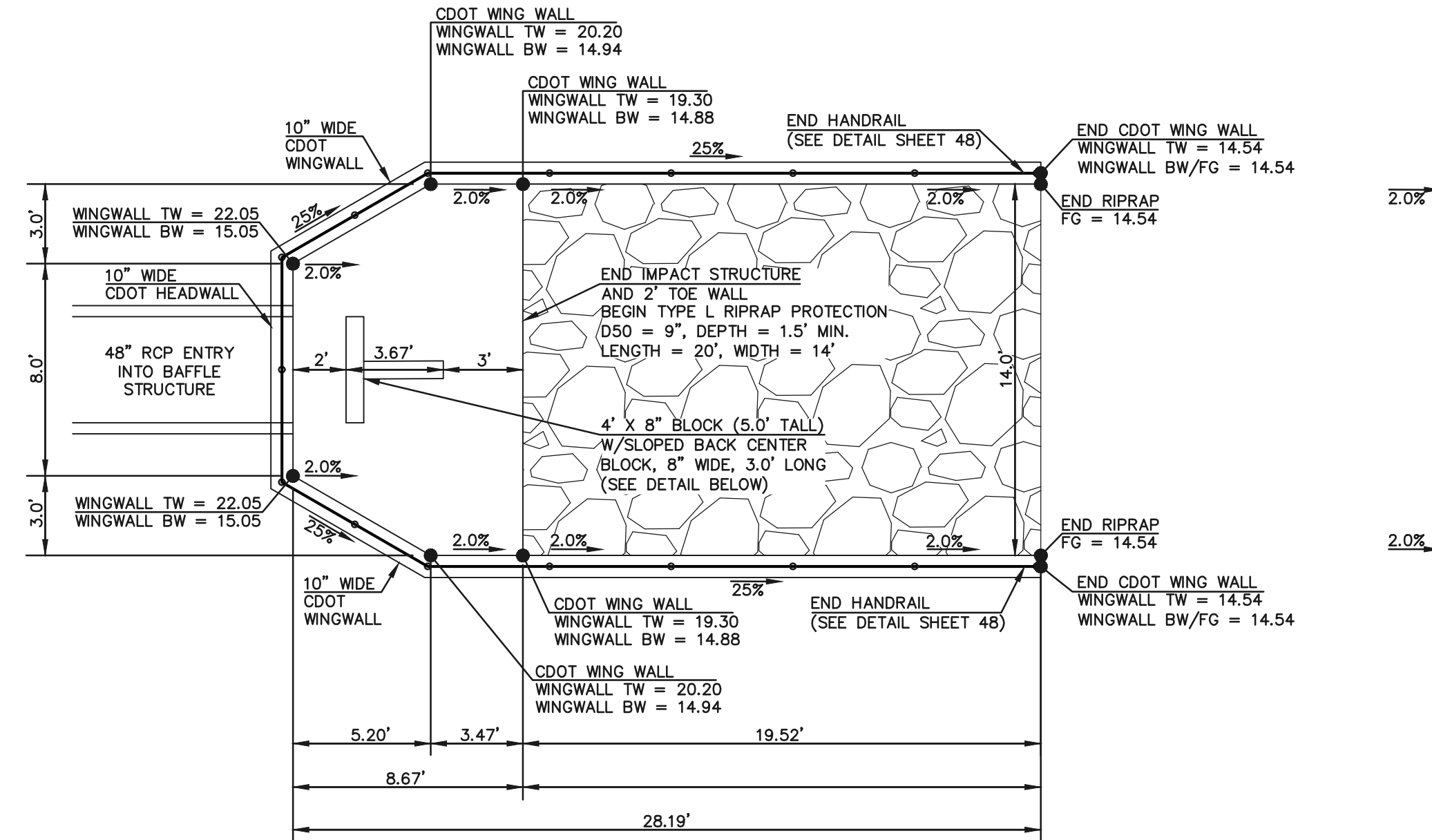


PCD FILE #SF-22-035

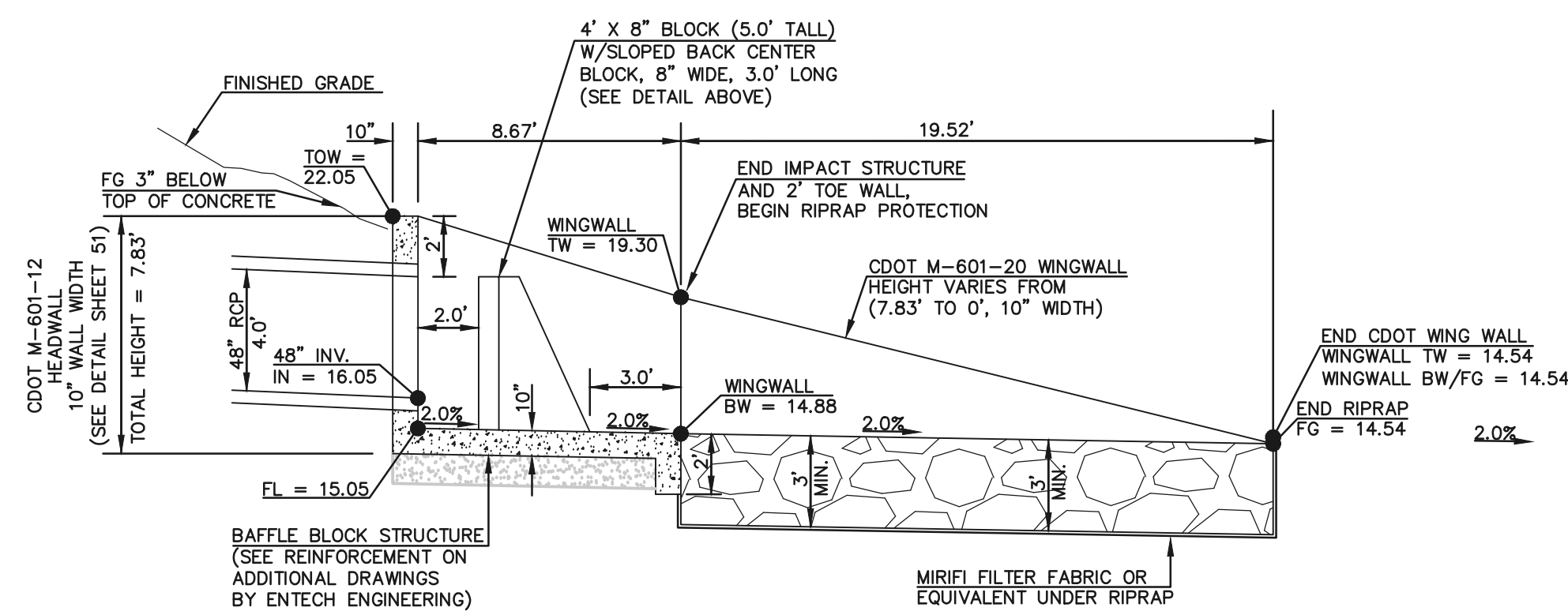
STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
POND '14A'  
MAIN 'C' - 54" IMPACT STRUCTURE & FOREBAY

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

N:\118330\DRAWINGS\CONSTRUCT\DW\STRUCTURE\54in.dwg, 2/28/2024, 11:07:10 AM, 1:1



'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'

PCD FILE #SF-22-035

<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> 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

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

*(Signature)*  
KYLE R. [Name], COLORADO PROFESSIONAL ENGINEER, P.E. #29794

02/28/24  
DATE

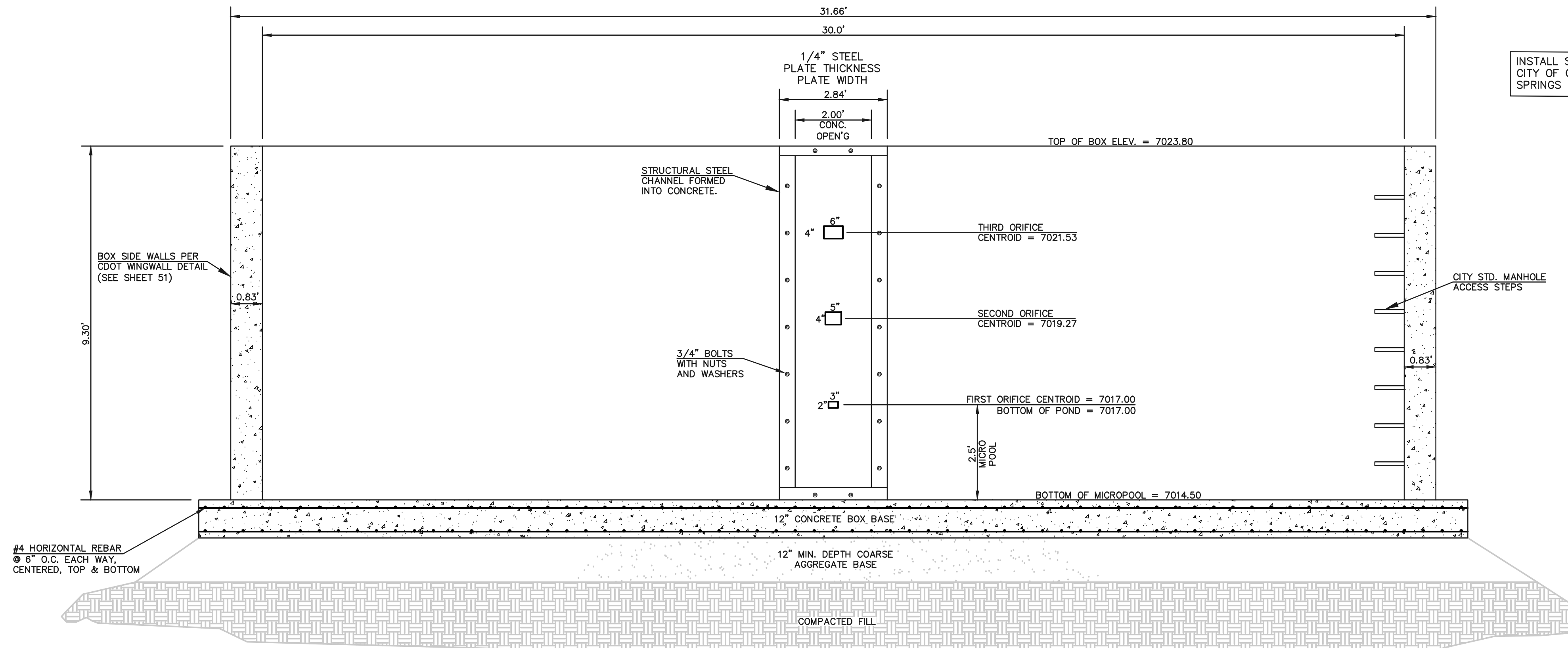
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

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

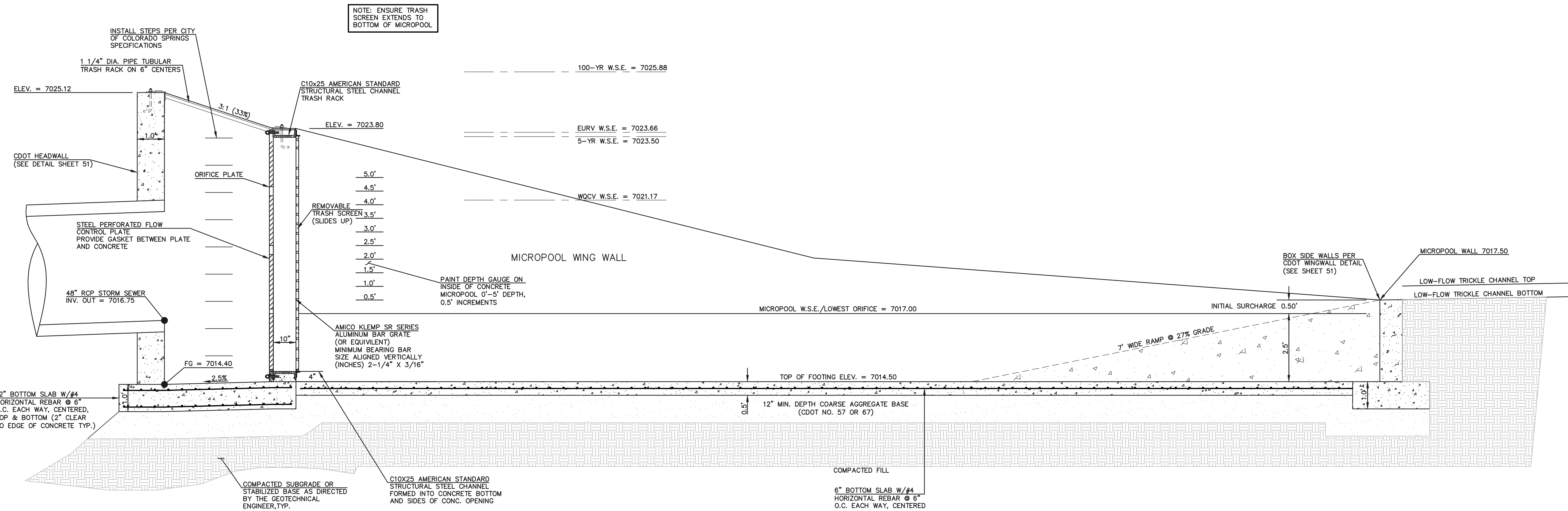
STERLING RANCH EAST FILING NO. 1 CONSTRUCTION PLANS			
POND '14A' 'POND OUTFALL' - 48" IMPACT STRUCTURE			
DESIGNED BY	MAL	SCALE	DATE 08/31/22
DRAWN BY	MES	(H) 1" = 5'	SHEET 46 OF 53
CHECKED BY	(V) 1" = N/A	JOB NO.	1183.30



N:\118330\DRAWINGS\CONSTRUCTION\100\100-20-20-structure\_48in.dwg, 2/28/2024 11:07:59 AM, 1:1



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



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

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KYLE R. CAMPBELL - COLORADO PROFESSIONAL ENGINEER #29794

02/28/24  
DATE

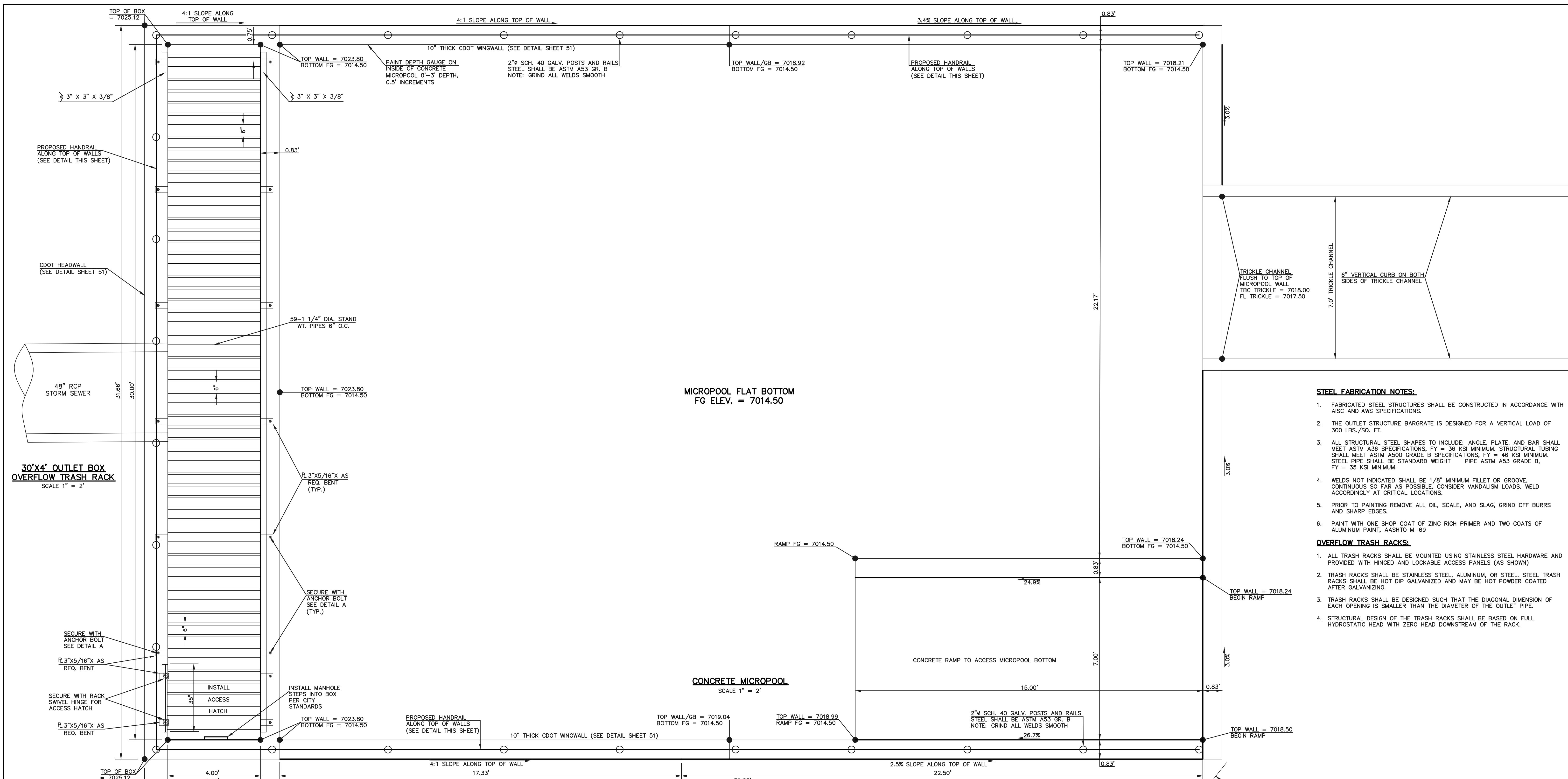


PCD FILE #SF-22-035

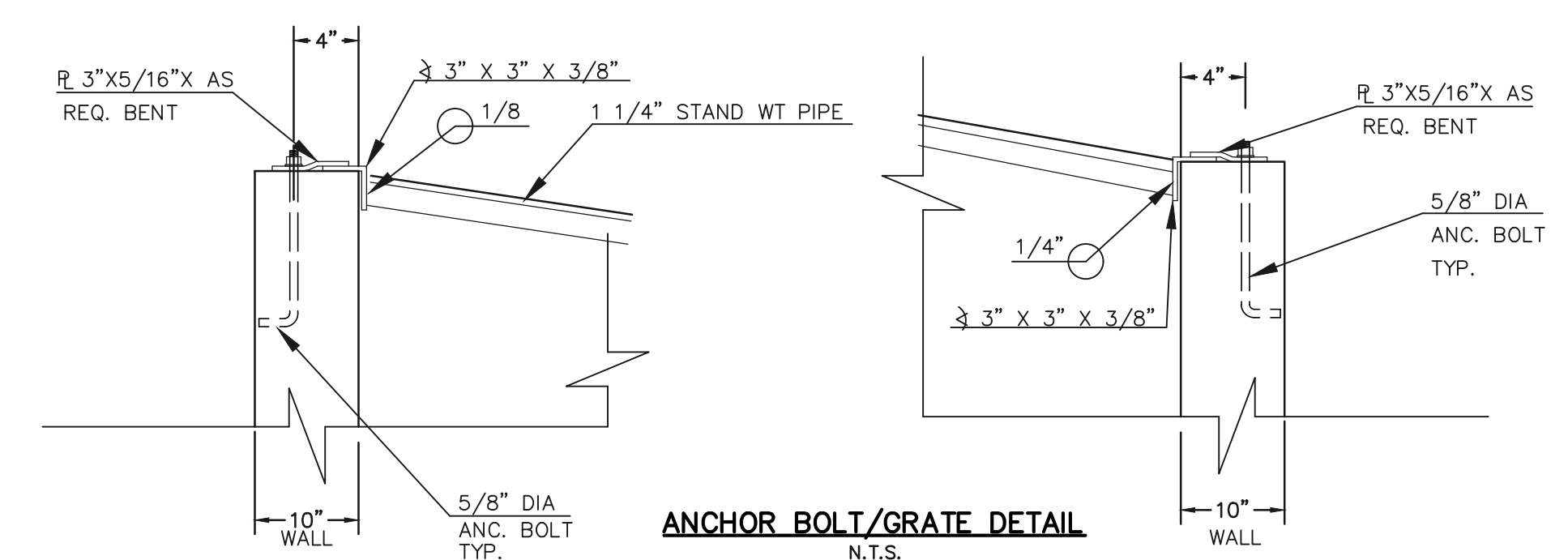
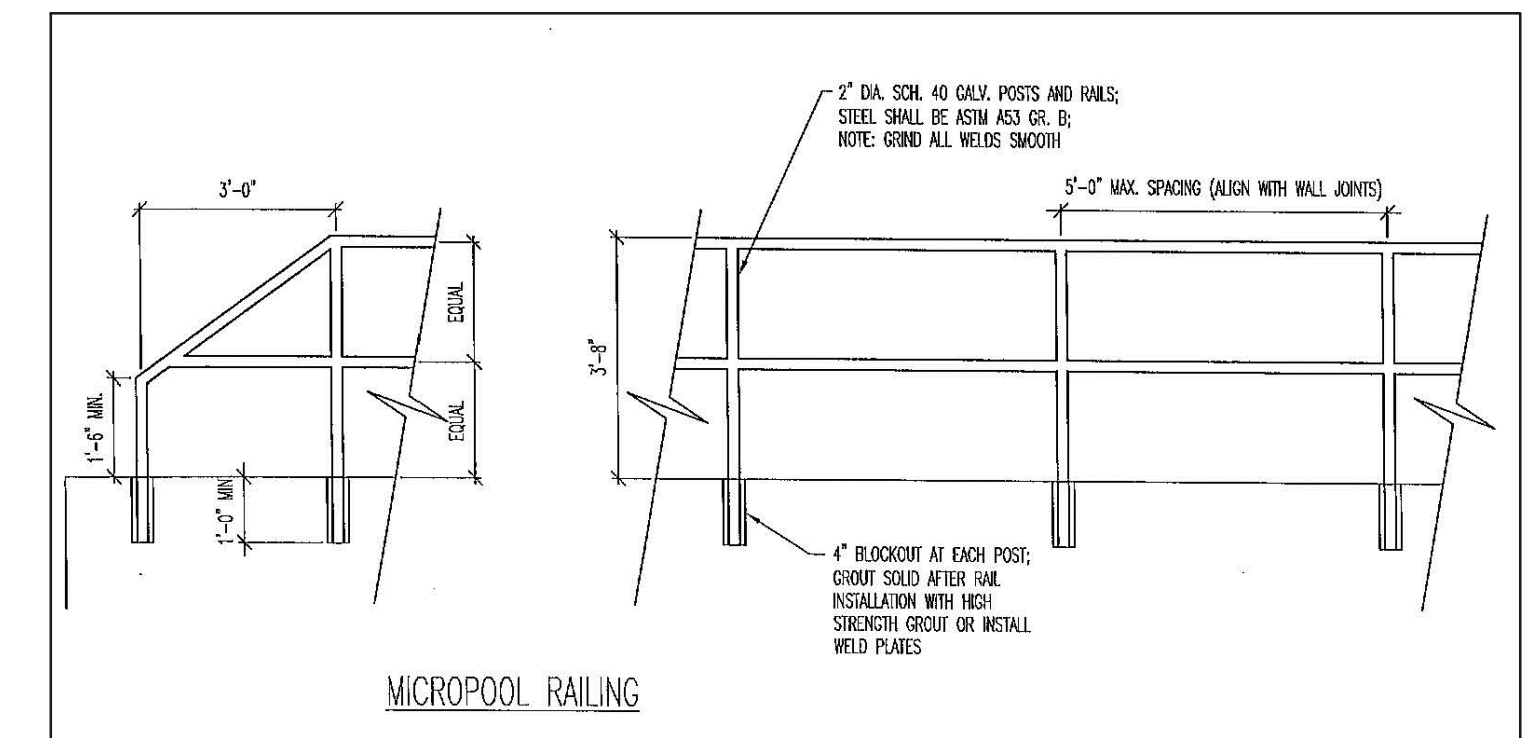
STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
POND '14A'  
POND OUTLET BOX - PROFILE VIEW

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

N:\118330\DRAWINGS\CONSTRUCT\CDM\STORM\47-118330-510-21-outlet-structure.dwg, 2/28/2024 11:08:44 AM, 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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*Kyle R. Cannon*  
KYLE R. CANNON, LICENSED PROFESSIONAL ENGINEER #29794

02/28/24  
DATE

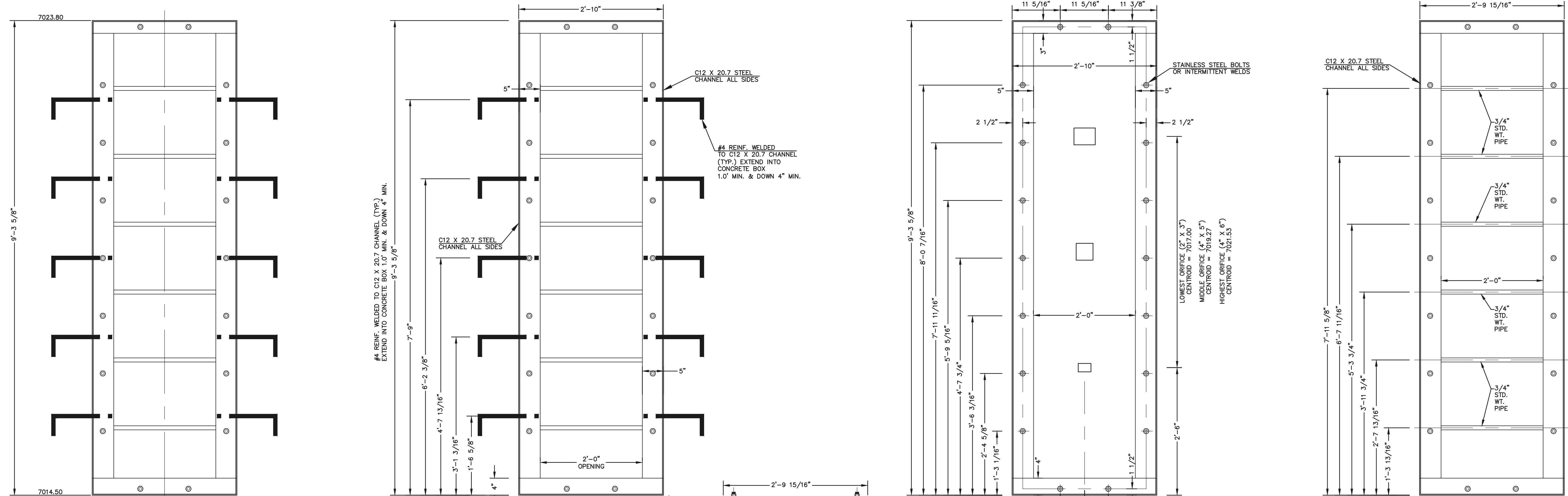


STERLING RANCH EAST FILING NO. 1  
CONSTRUCTION PLANS  
POND '14A'  
POND OUTLET BOX AND MICROPOOL DETAILS

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 #SF-22-035



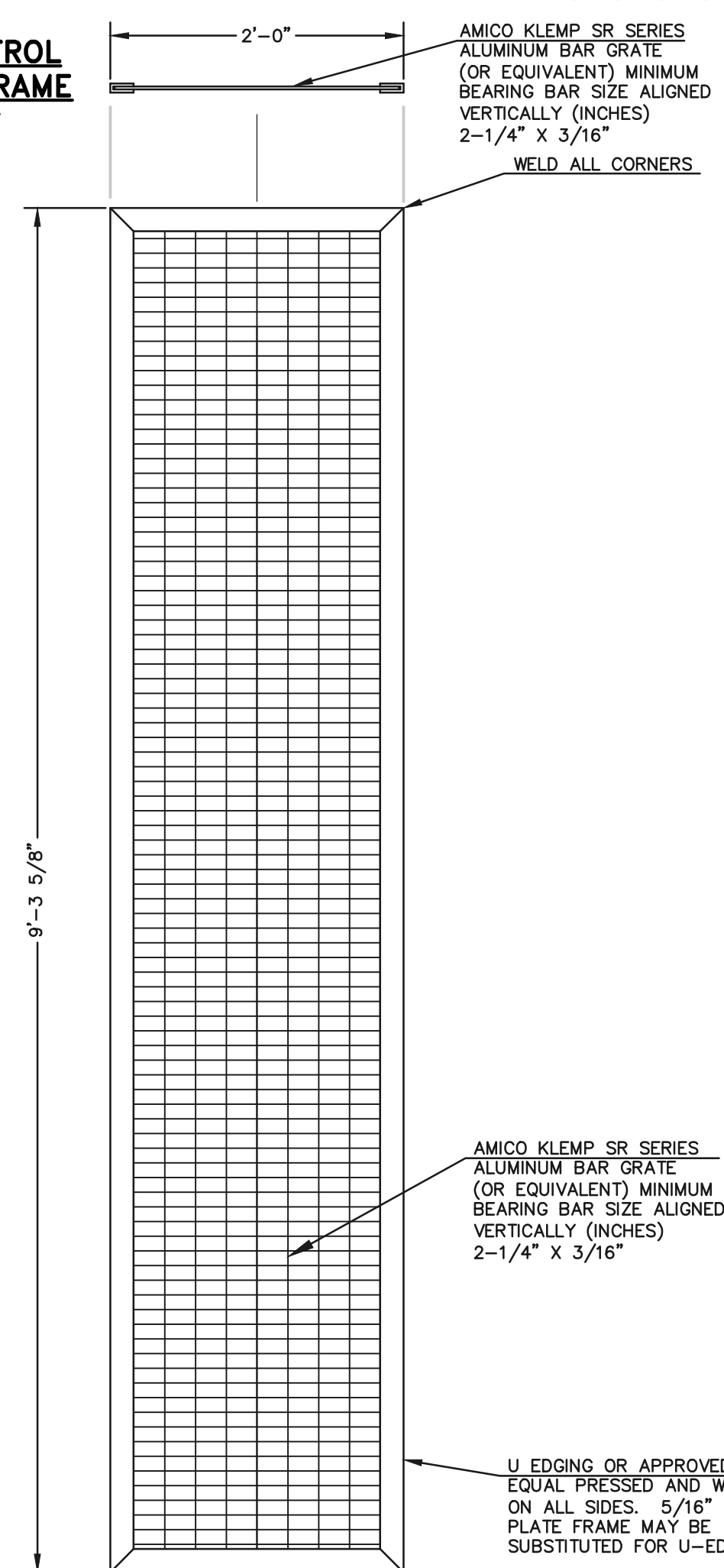


**OUTLET CONTROL  
PLATE AND FRAME**  
SCALE: 1"=1'

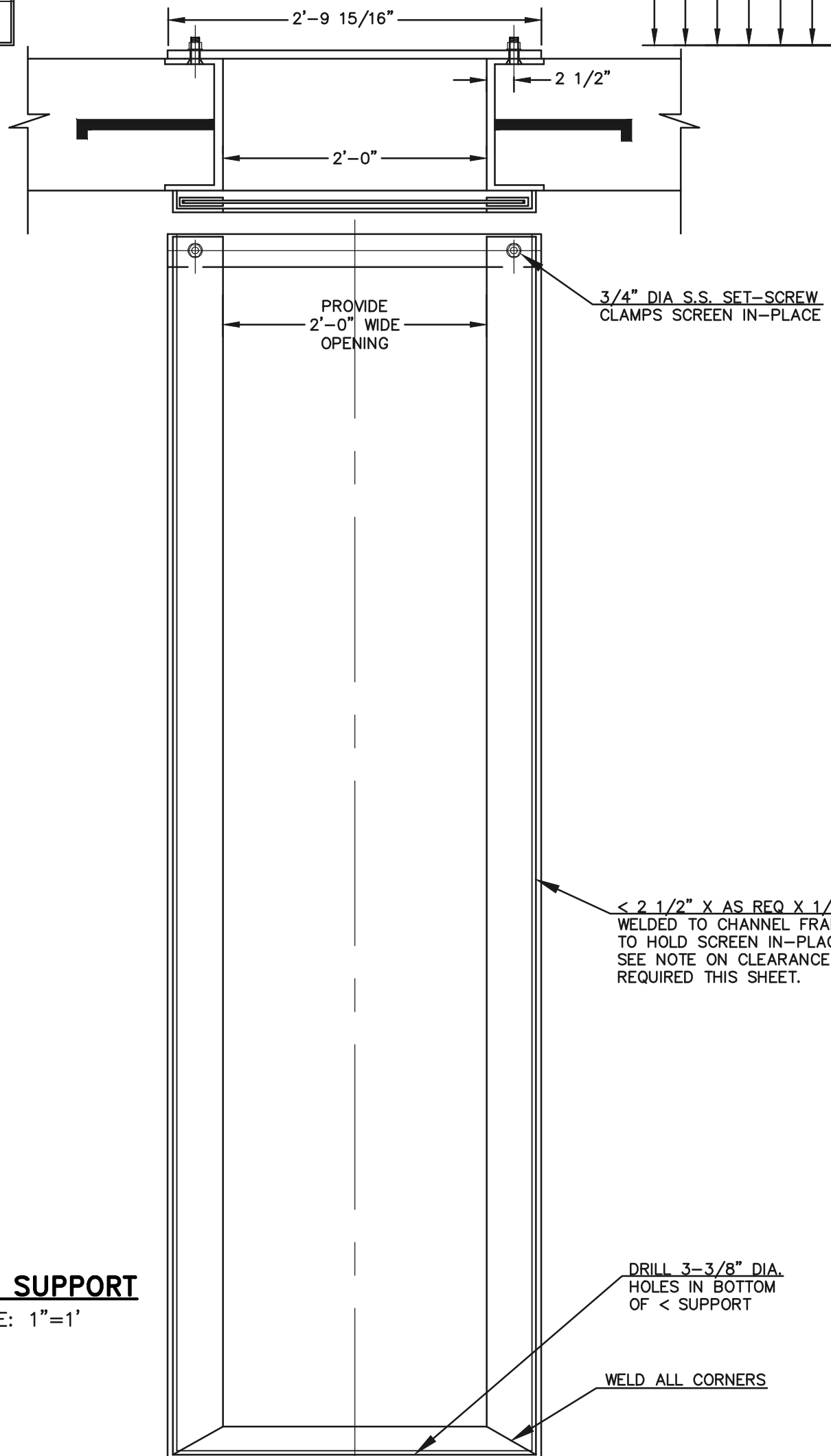
**CHANNEL FRAME  
WITH WALL ANCHORS**  
SCALE: 1"=1'

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

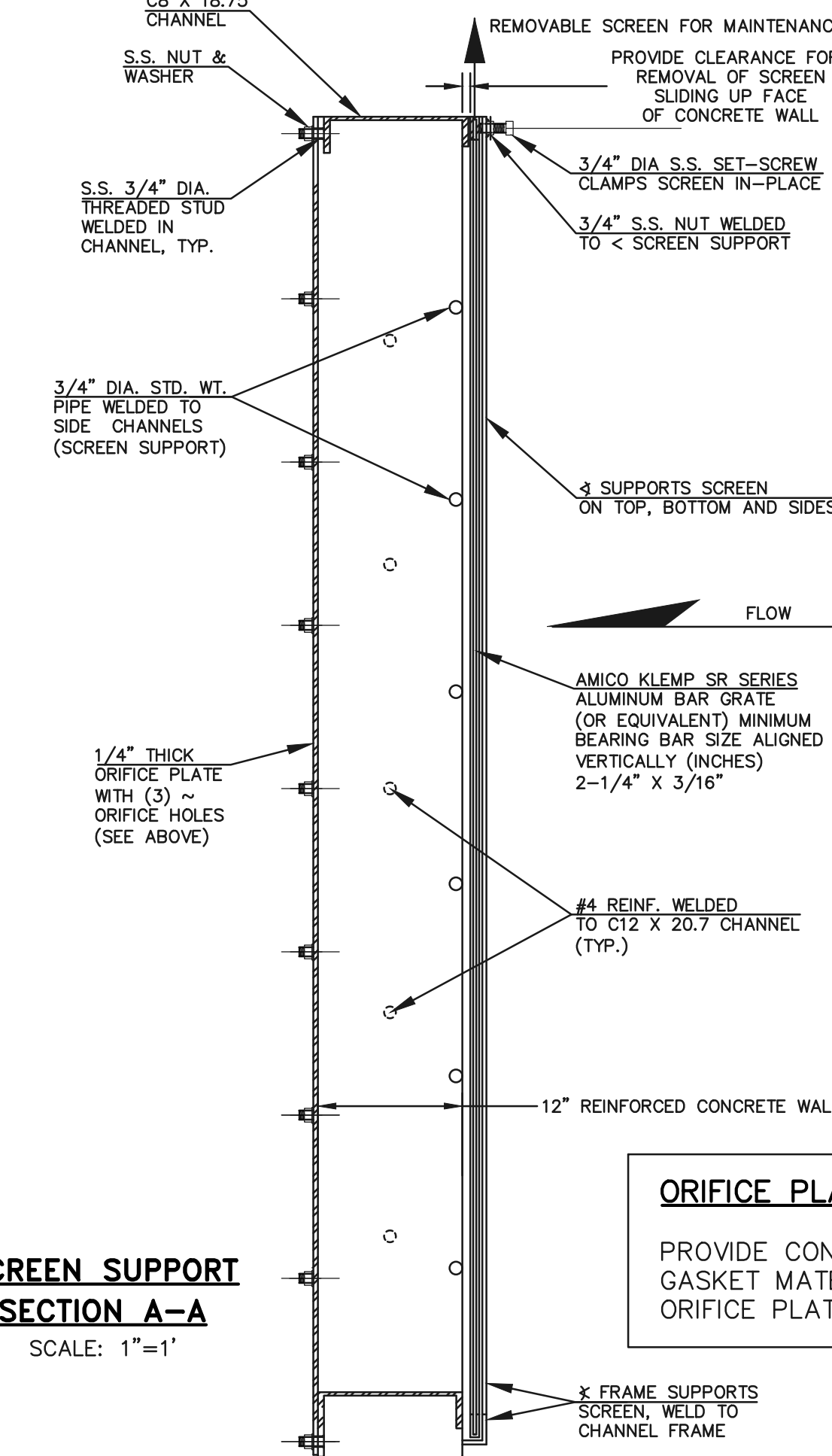
**CHANNEL FRAME**  
SCALE: 1"=1'



**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

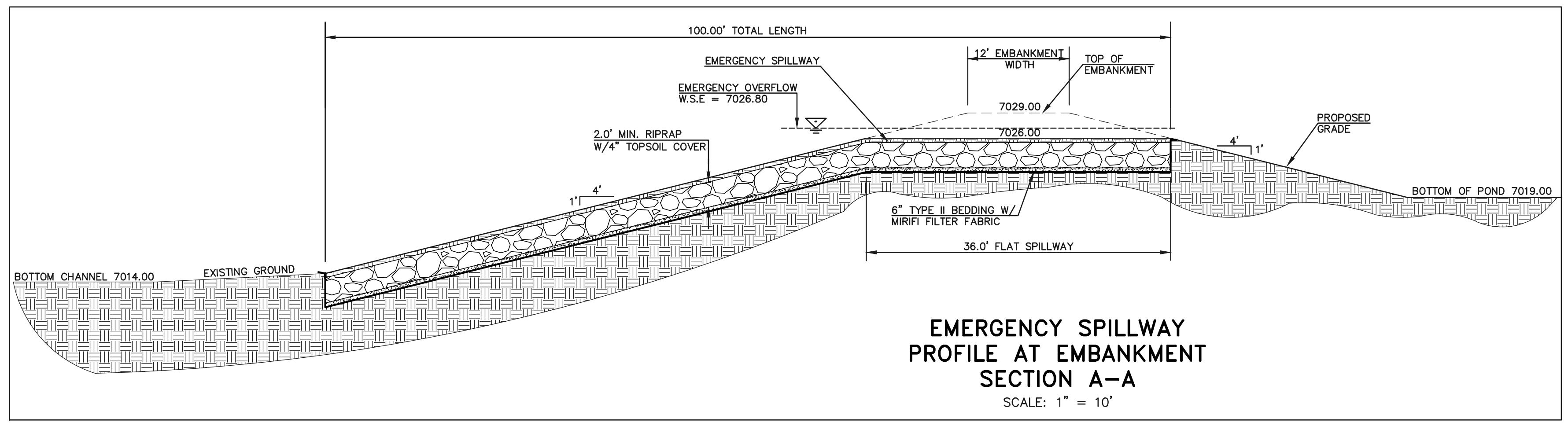
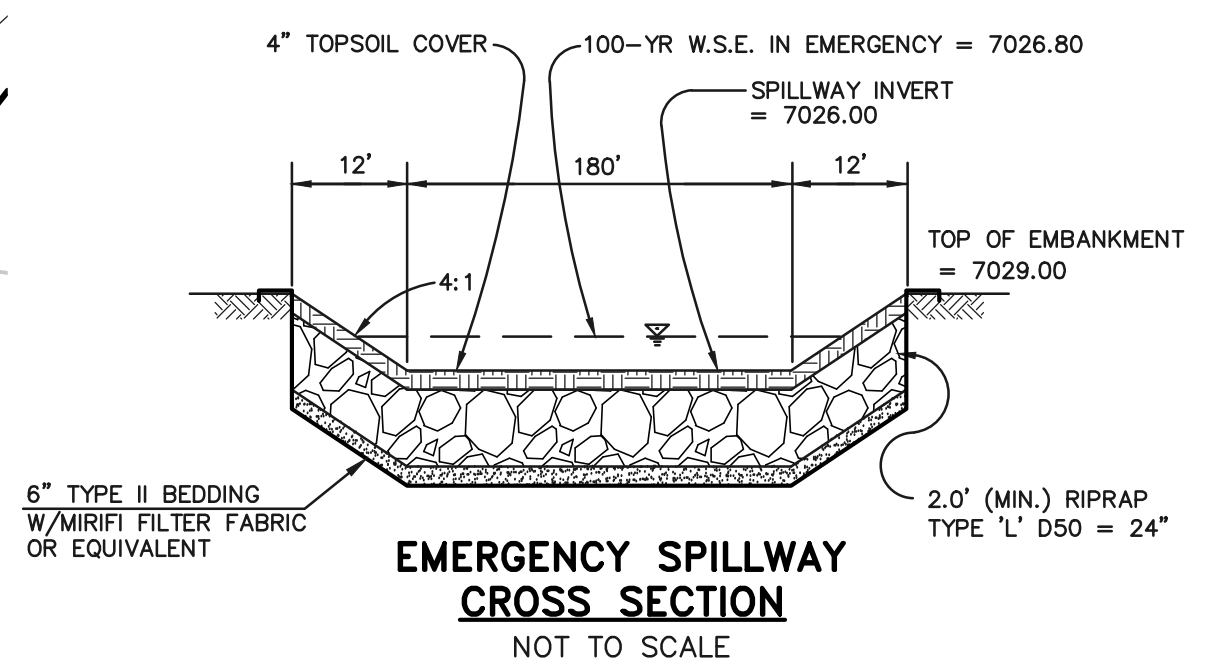
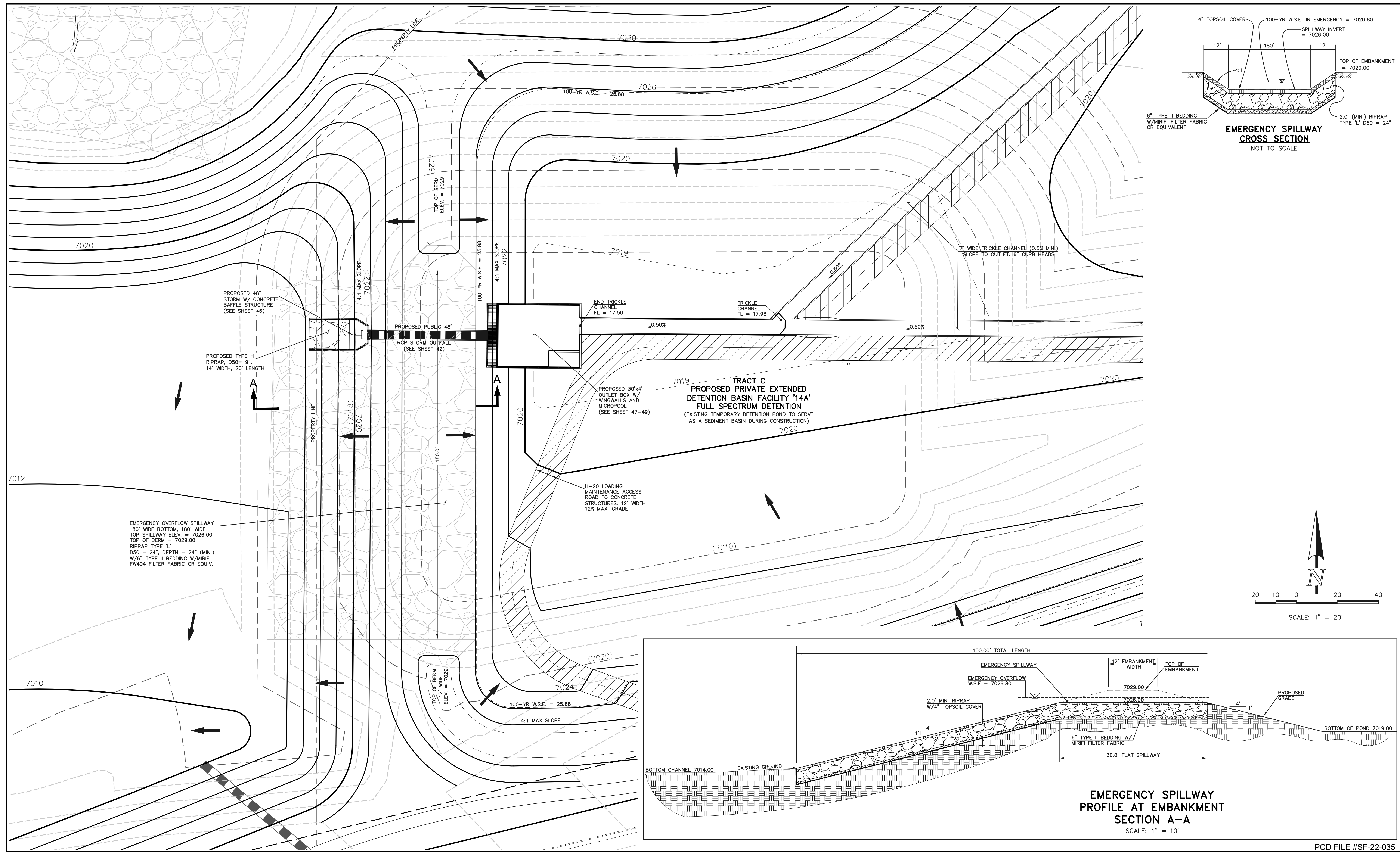
REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  
KYLE R. COOPER, COLORADO LICENSE #29794  
DATE: 02/28/24



PCD FILE #SF-22-035

STERLING RANCH EAST FILING NO. 1			
CONSTRUCTION PLANS			
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





EMERGENCY OVERFLOW SPILLWAY  
 180' WIDE BOTTOM, 180' WIDE  
 TOP SPILLWAY ELEV. = 7026.00  
 TOP OF BERM = 7029.00  
 RIPRAP TYPE 'L'  
 D50 = 24", DEPTH = 24" (MIN.)  
 W/6" TYPE II BEDDING W/MIRIFI  
 FW404 FILTER FABRIC OR EQUIV.

TRACT C  
 PROPOSED PRIVATE EXTENDED  
 DETENTION BASIN FACILITY '14A'  
 FULL SPECTRUM DETENTION  
 (EXISTING TEMPORARY DETENTION POND TO SERVE  
 AS A SEDIMENT BASIN DURING CONSTRUCTION)

PROPOSED 48"  
 STORM W/ CONCRETE  
 BAFFLE STRUCTURE  
 (SEE SHEET 46)

PROPOSED TYPE H  
 RIPRAP, D50 = 9",  
 14' WIDTH, 20' LENGTH

PROPOSED PUBLIC 48"  
 RCP STORM OUTFALL  
 (SEE SHEET #2)

PROPOSED 30'x44'  
 OUTLET BOX W/  
 WINGWALLS AND  
 MICROPOOL  
 (SEE SHEET 47-49)

H-20 LOADING  
 MAINTENANCE ACCESS  
 ROAD TO CONCRETE  
 STRUCTURES, 12' WIDTH  
 12% MAX. GRADE

**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. CANFIELD, COLORADO LICENSE #29794  
 PROFESSIONAL ENGINEER

02/28/24  
 DATE

**CLASSIC CONSULTING**

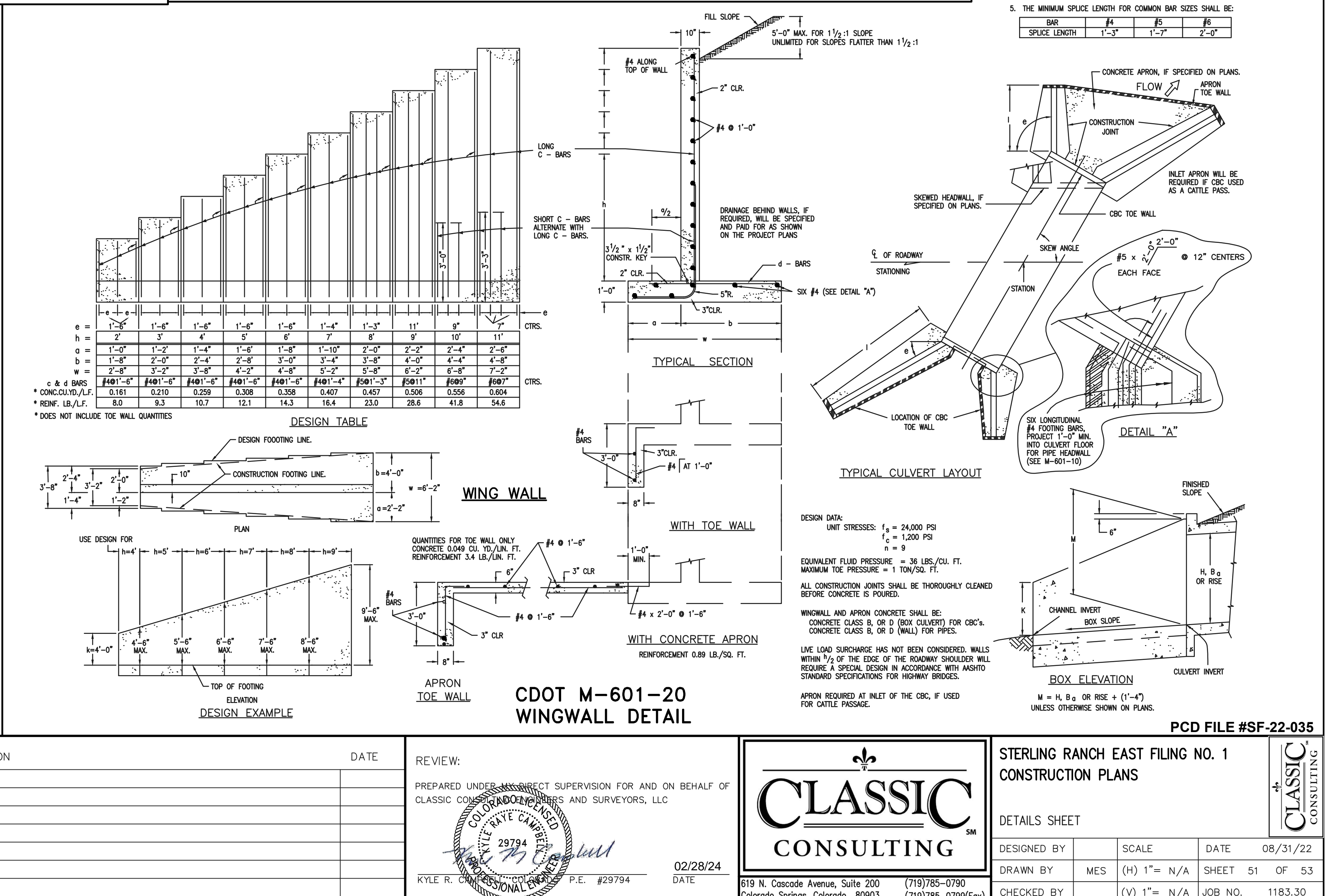
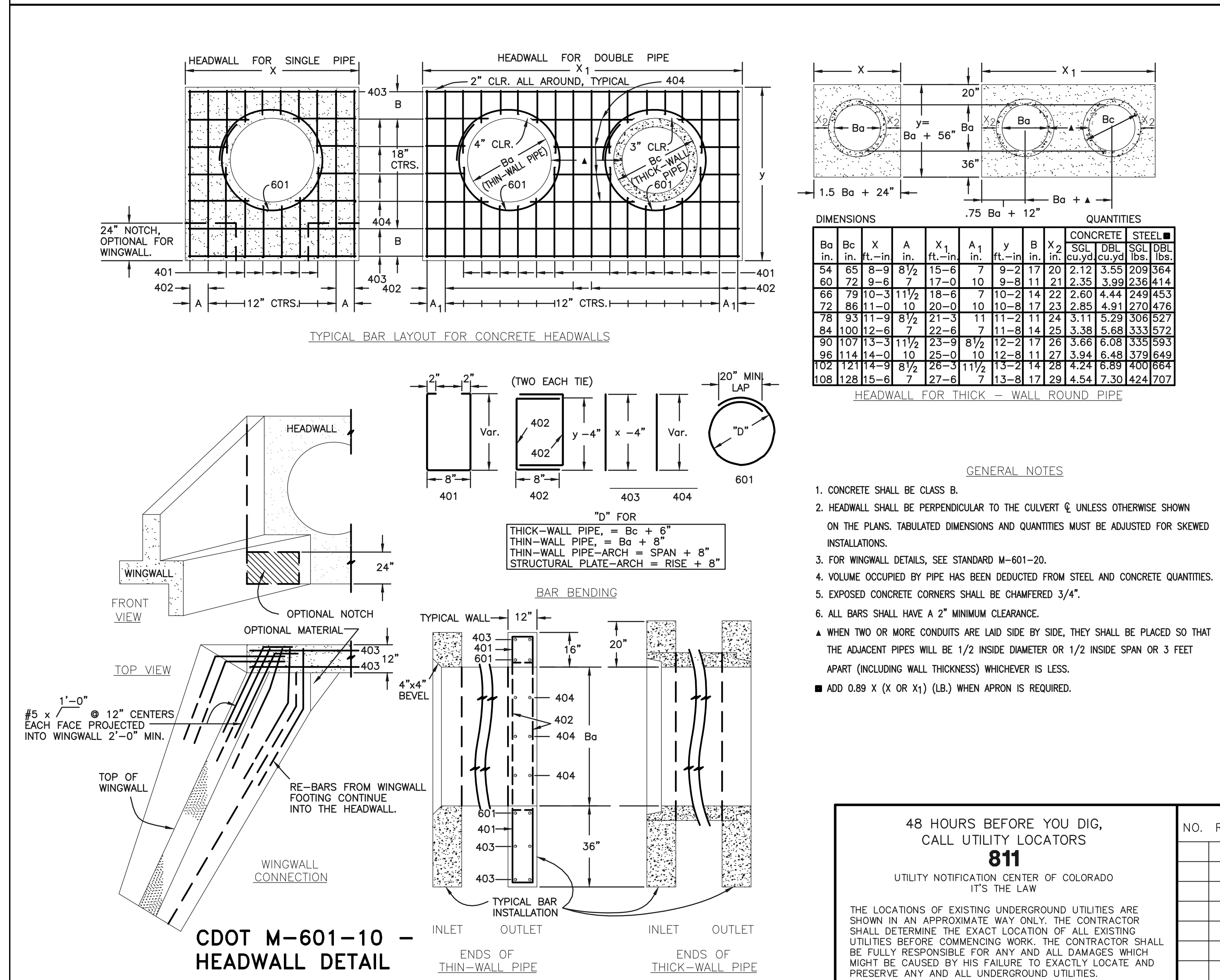
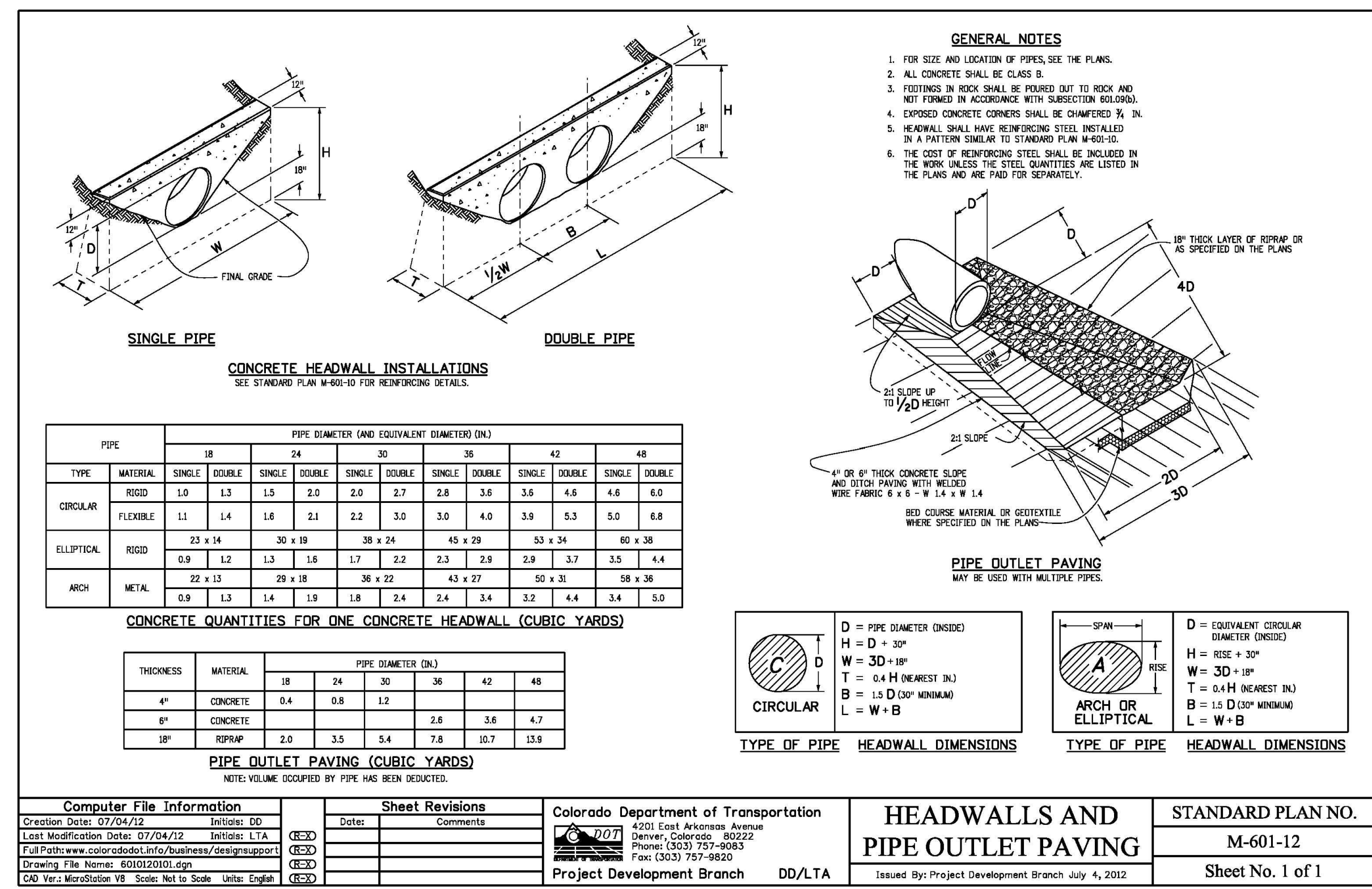
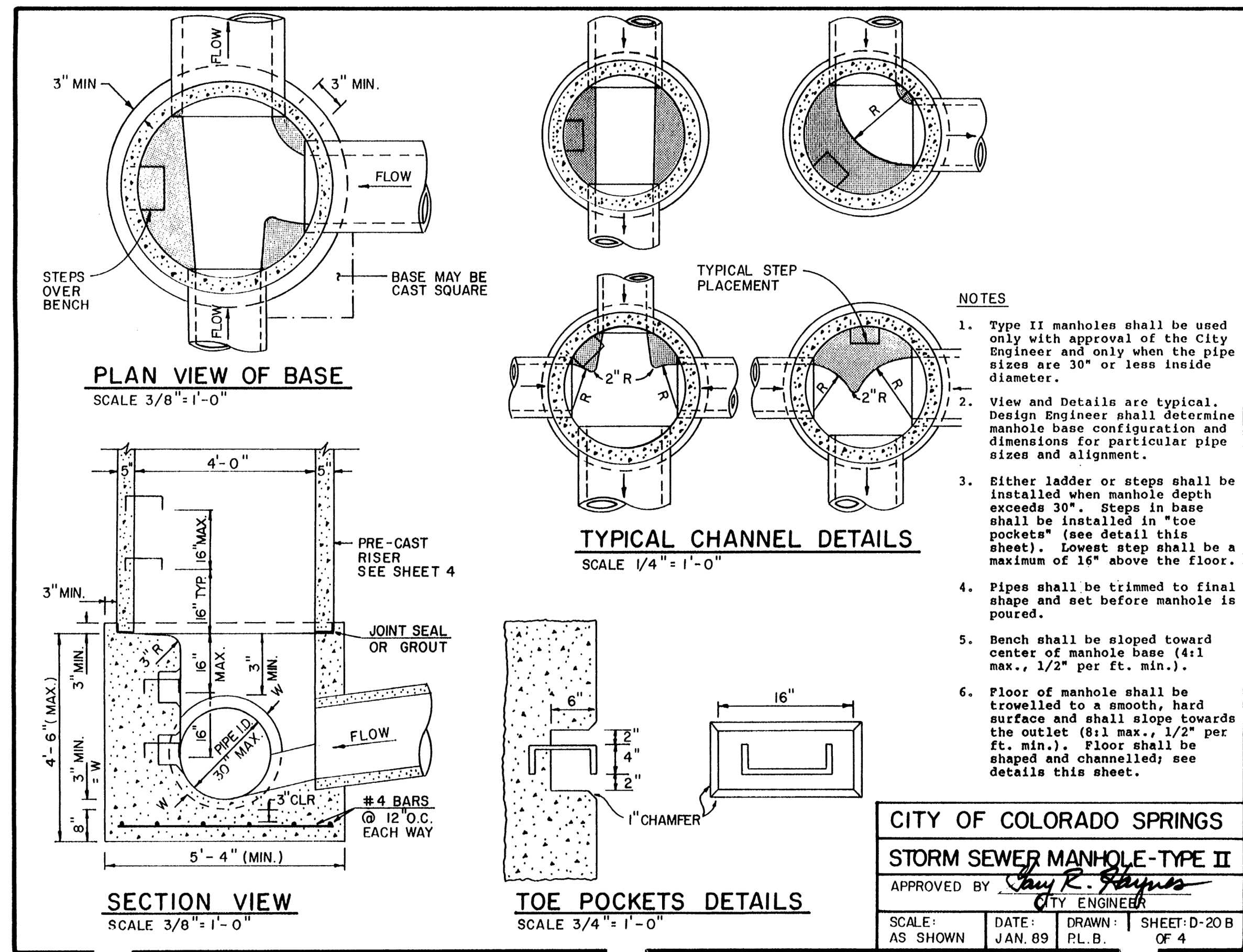
619 N. Cascade Avenue, Suite 200  
 Colorado Springs, Colorado 80903

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

STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 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

PCD FILE #SF-22-035



48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS

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NO. REVISION

DATE

REVIEW:

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

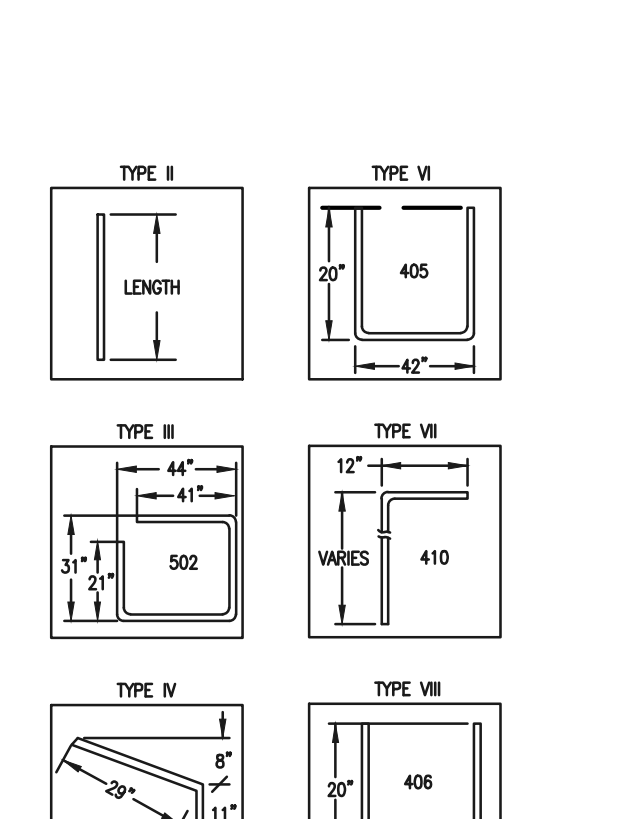
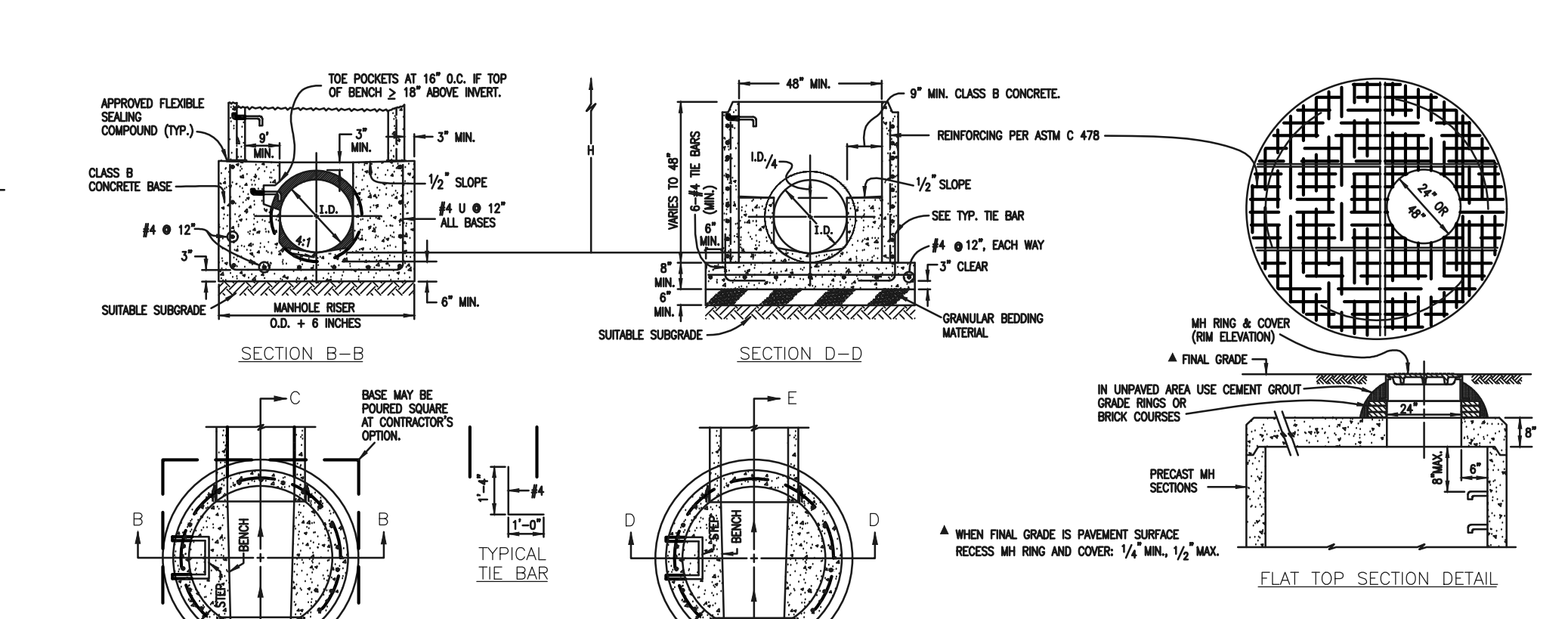
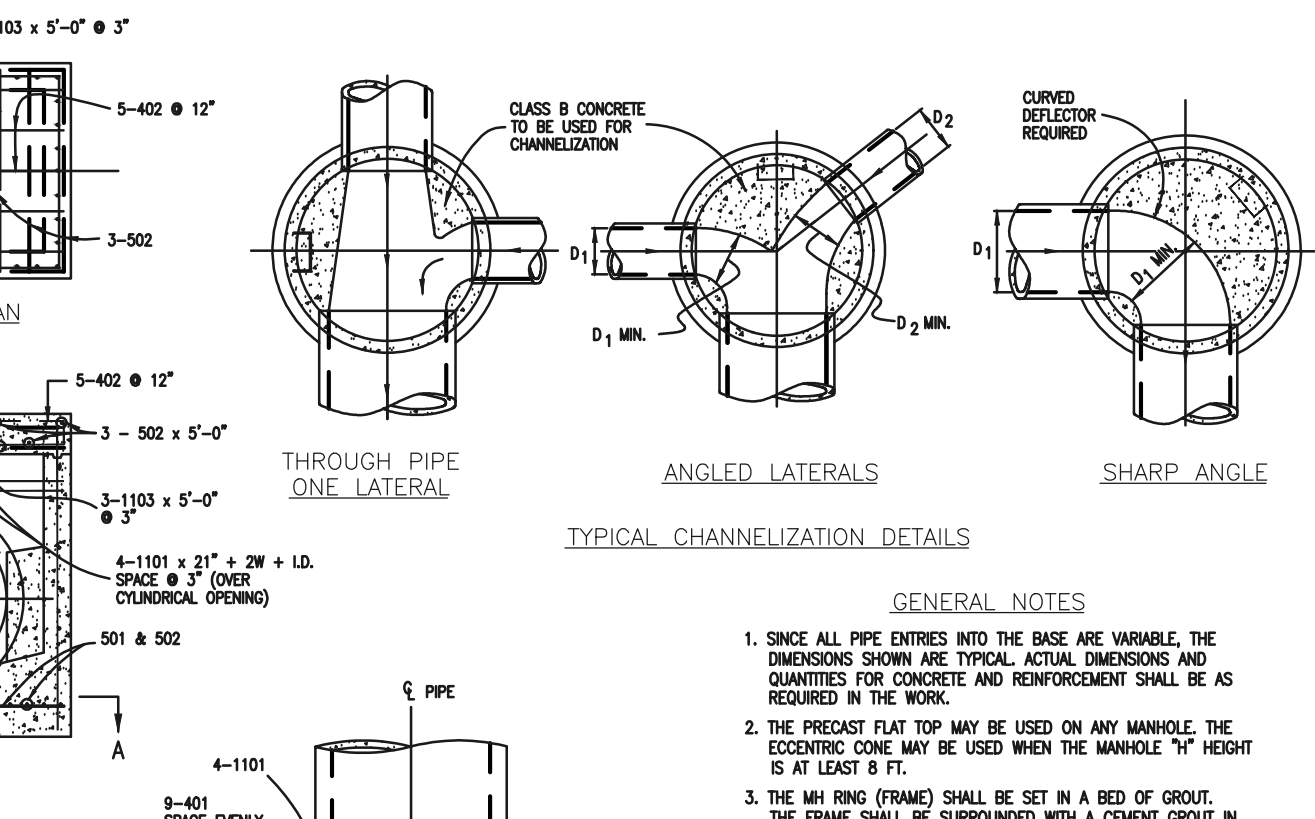
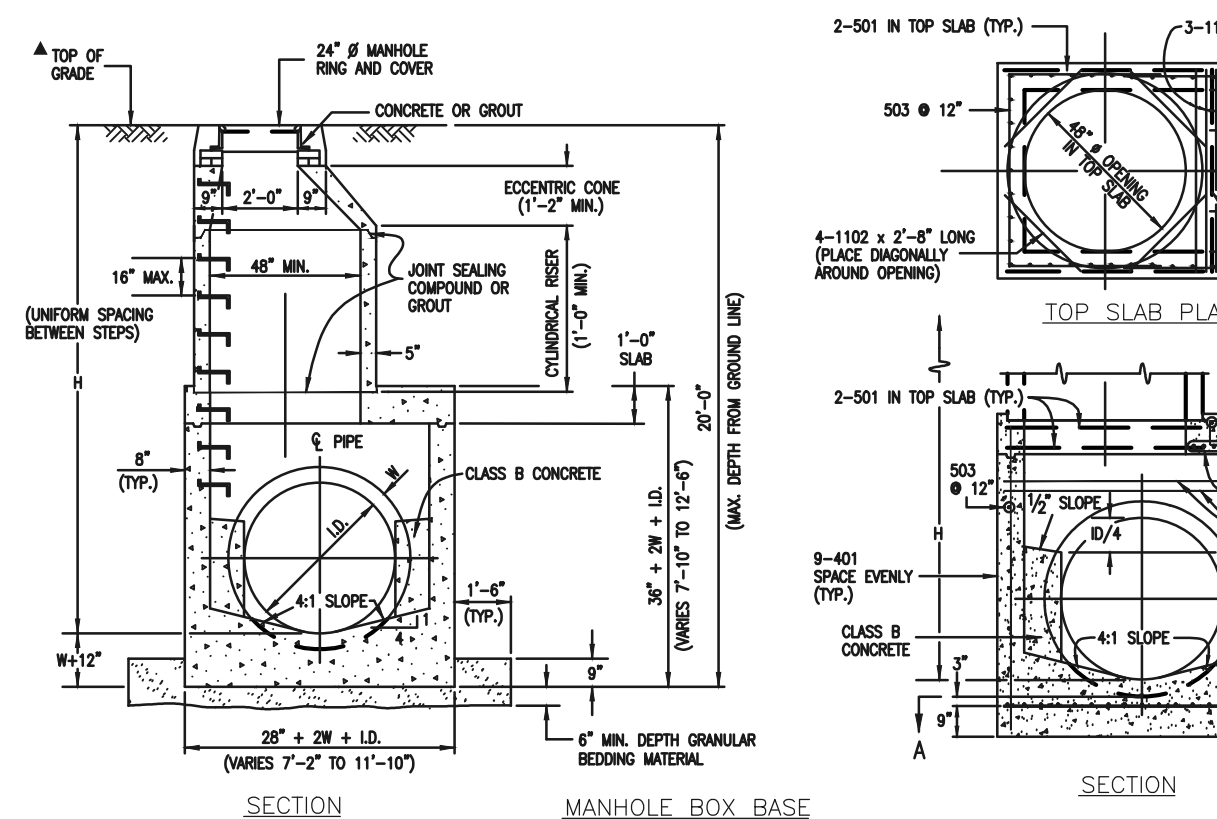
CLASSIC CONSULTING

STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS

DETAILS SHEET

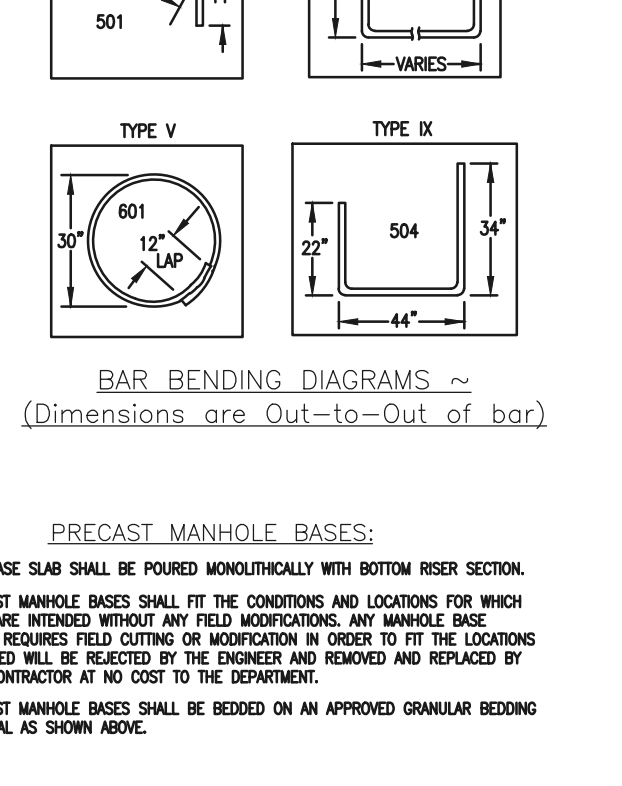
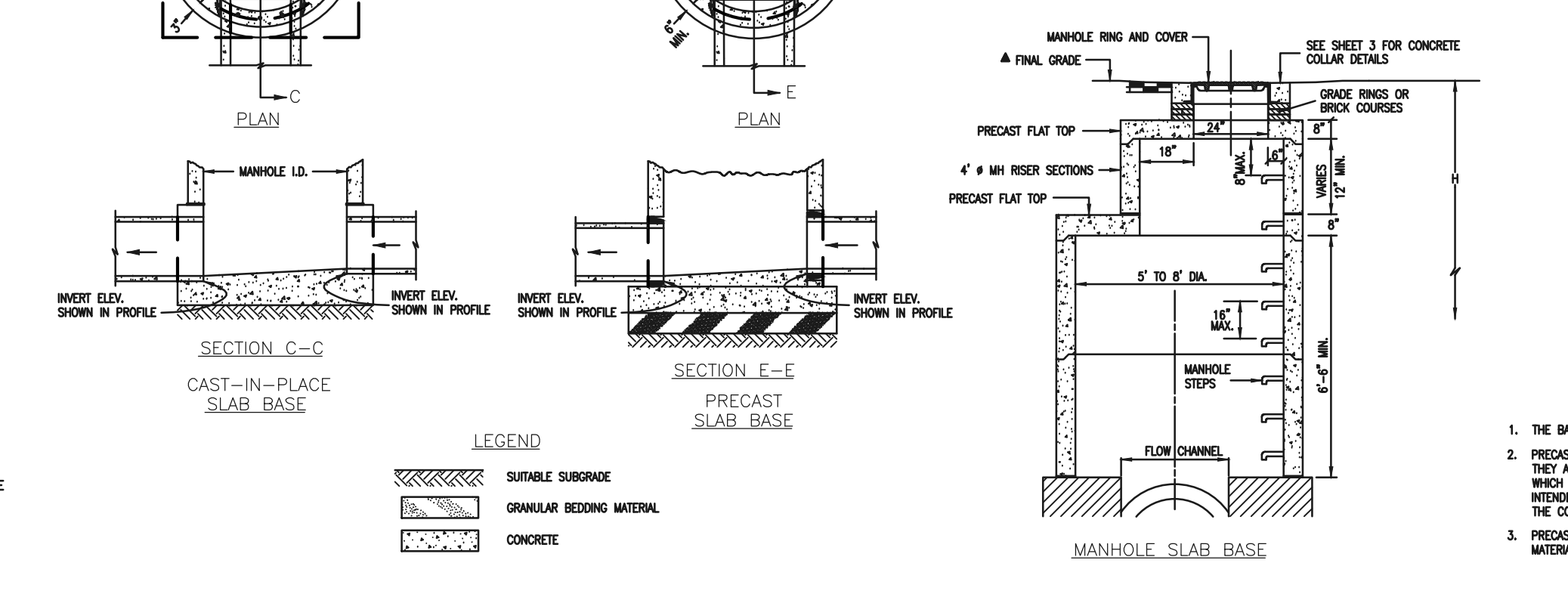
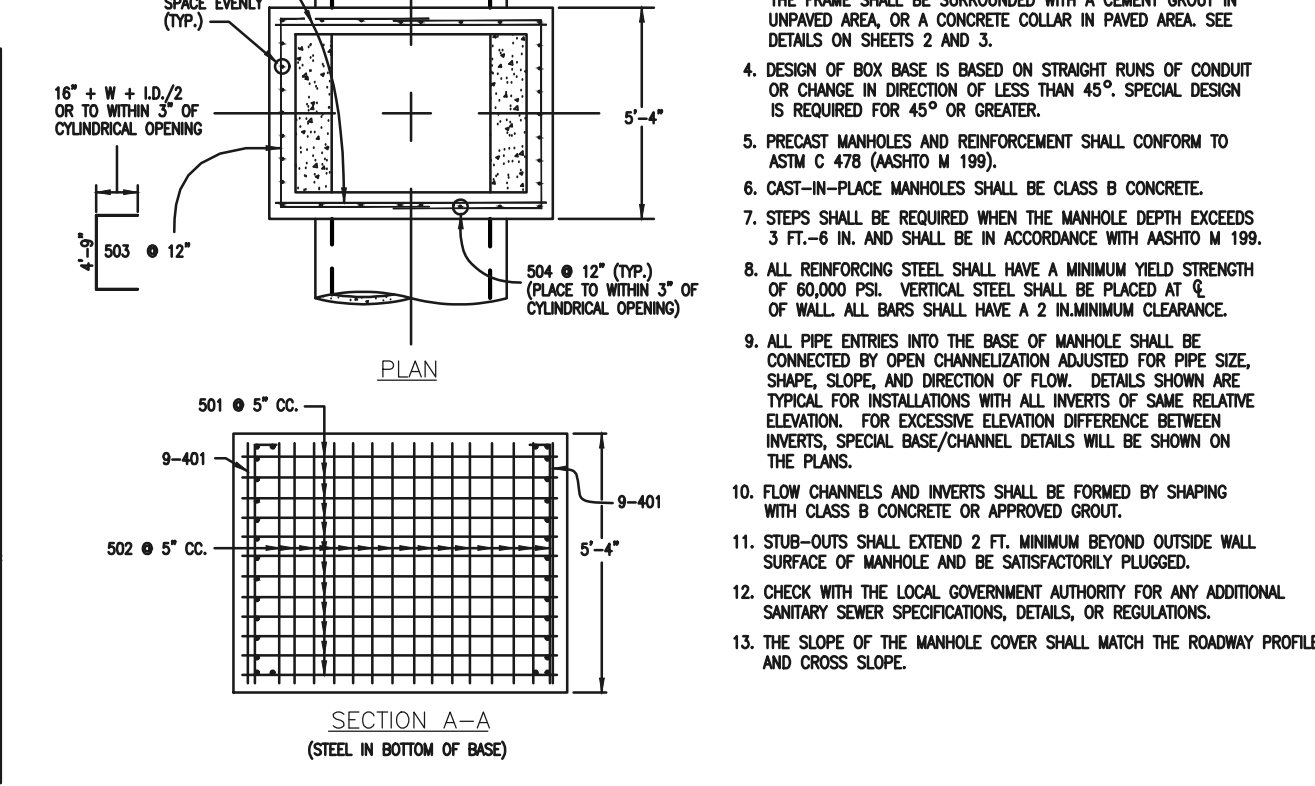
DESIGNED BY	SCALE	DATE	08/31/22
DRAWN BY	MES	(H) 1" = N/A	SHEET 51 OF 53
CHECKED BY	(V) 1" = N/A	JOB NO.	1183.30

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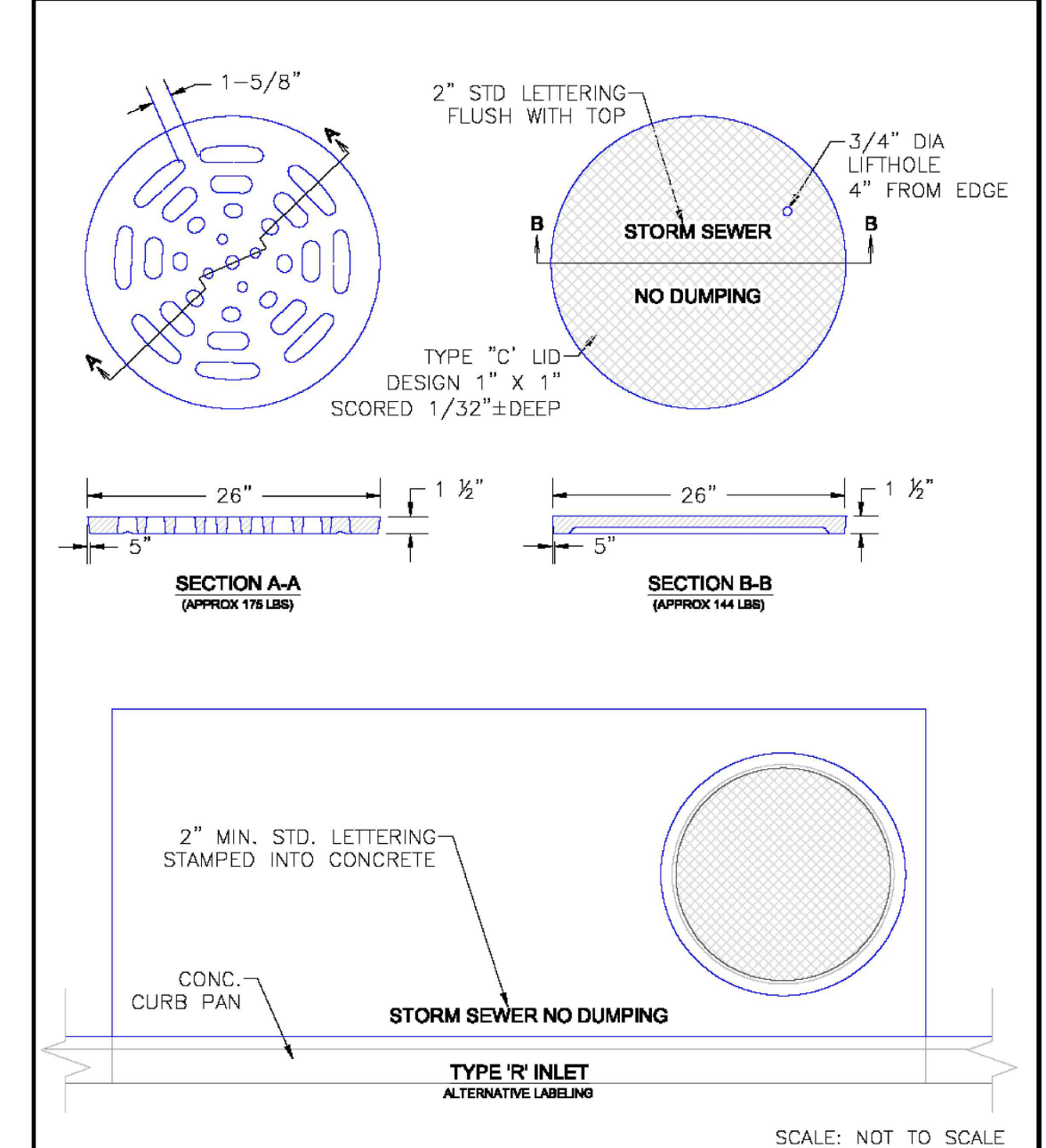


**QUANTITIES FOR CONCRETE MANHOLE BOX BASE**

MARK	SIZE	TYPE	WT. #/FT.	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.	FORMULAS
				401	402	501	502	503	504	
401	4	I	0.668	18	18	18	18	18	18	401 BAR LENGTH = 32"+2W+L.D.
402	4	III	0.668	18	18	18	18	18	18	402 BAR LENGTH = L.D. + 2W
501	5	I	1.043	22	22	22	22	22	22	501 BAR LENGTH = 24" + L.D. + 2W
502	5	II	1.043	22	22	22	22	22	22	502 BAR LENGTH = 24" + L.D. + 2W
503	5	III	1.043	22	22	22	22	22	22	503 NUMBER BARS REQ'D. = 3 + (24+L.D.+2W+L) / 12
504	5	IV	1.043	22	22	22	22	22	22	504 NUMBER BARS REQ'D. = 2 + (33+L.D.+2W+L) / 12
1101	11	I	5.313	4	4	4	4	4	4	1101 BAR LENGTH = 21" + L.D. + 2W
1102	11	II	5.313	4	4	4	4	4	4	1102 BAR LENGTH = 21" + L.D. + 2W
1103	11	III	5.313	4	4	4	4	4	4	1103 BAR LENGTH = 21" + L.D. + 2W



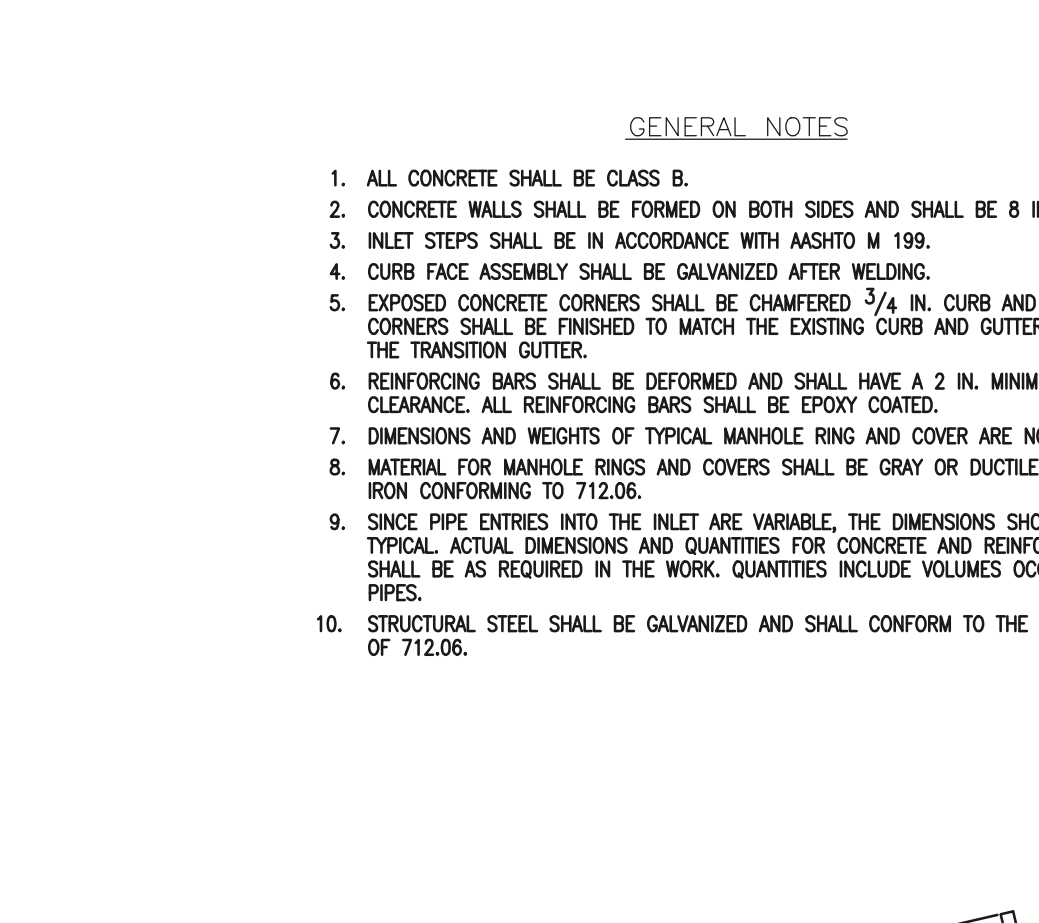
**CDOT MANHOLES  
STD. PLAN NO: M-604-20**



DATE APPROVED: 9/16/10  
 DRAWN BY: André P. Brackin  
 CHECKED BY: [Signature]  
 DATE: 9/16/10  
 SHEET: SD\_3-5

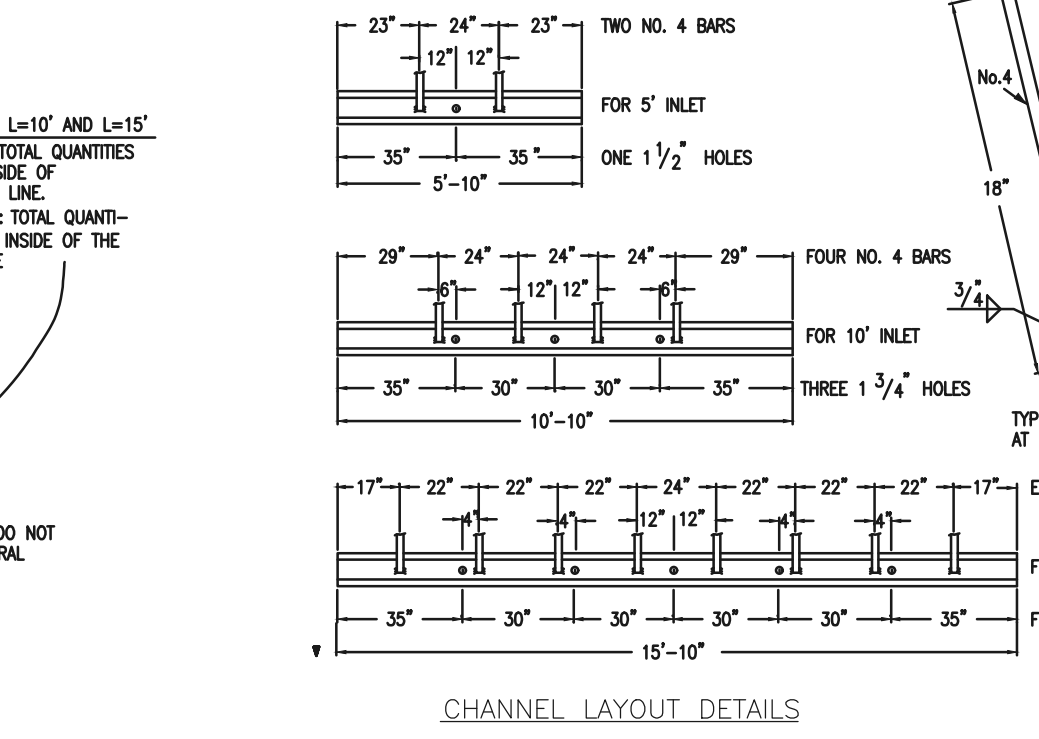
**TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"**

MARK	DIA. IN.	O.C. SPACING	TYPE	ALL INLETS			INLETS, H = 5'			INLETS, H = 5'		
				L=5'	L=10'	L=15'	L=5'	L=10'	L=15'	L=5'	L=10'	L=15'
401	1"	11"	II	15	21	28	11	11	11	11	11	
402	1 1/2"	11"	II	7	13	18	7	7	7	7	7	
403	2"	11"	II	4	7	10	4	4	4	4	4	
405	6"	VI	II	11	21	31	11	11	11	11	11	
406	6"	VIII	II	7	13	17	7	7	7	7	7	
407	6"	IX	II	5	10	13	5	5	5	5	5	
408	8"	II	III	6	11	15	6	6	6	6	6	
409	8"	III	III	6	11	15	6	6	6	6	6	
410	1 1/2"	VII	II	3	3	3	3	3	3	3	3	
411	1 1/2"	II	II	3	3	3	3	3	3	3	3	
412	1 1/2"	II	II	3	3	3	3	3	3	3	3	
413	9"	II	II	7	7	7	7	7	7	7	7	
501	5 1/2"	IV	II	11	22	33	11	11	11	11	11	
502	5 1/2"	III	II	5	10	15	5	5	5	5	5	
503	5 1/2"	II	II	5	10	15	5	5	5	5	5	
504	5 1/2"	IX	II	5	10	15	5	5	5	5	5	
601	2 1/2"	V	II	2	2	2	2	2	2	2	2	

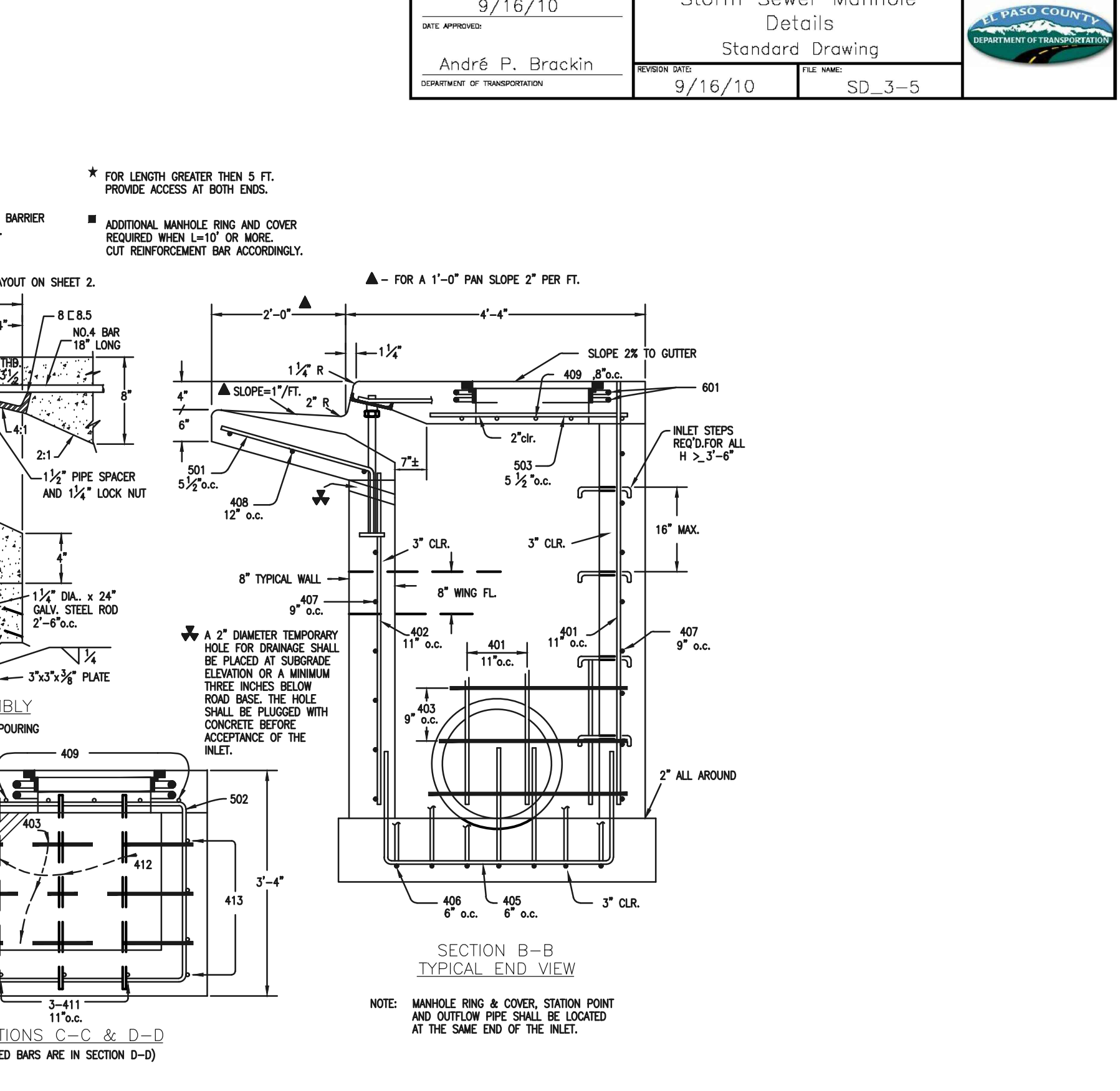
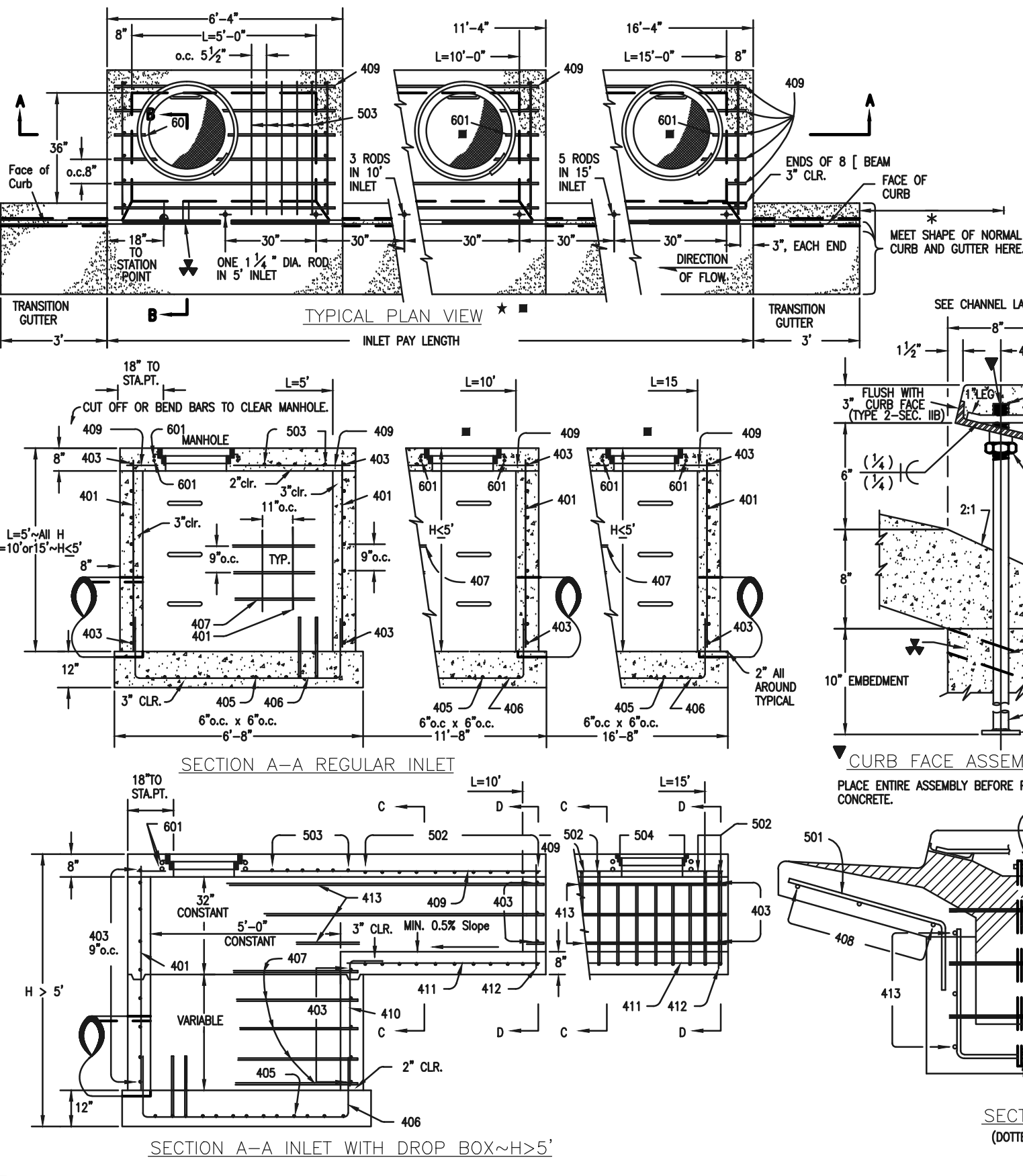


**TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"**

H'	L=5'		L=10'		L=15'	
	NO. REQ'D.	WT. (LB.)	NO. REQ'D.	WT. (LB.)	NO. REQ'D.	WT. (LB.)
3'-0"	401	3.2	402	3.2	403	3.2
3'-6"	401	3.4	402	3.4	403	3.4
4'-0"	401	3.7	402	3.7	403	3.7
4'-6"	401	3.9	402	3.9	403	3.9
5'-0"	401	4.1	402	4.1	403	4.1
5'-6"	401	4.4	402	4.4	403	4.4
6'-0"	401	4.8	402	4.8	403	4.8
6'-6"	401	5.2	402	5.2	403	5.2
7'-0"	401	5.6	402	5.6	403	5.6
7'-6"	401	6.0	402	6.0	403	6.0
8'-0"	401	6.4	402	6.4	403	6.4
8'-6"	401	6.8	402	6.8	403	6.8
9'-0"	401	7.2	402	7.2	403	7.2
9'-6"	401	7.6	402	7.6	403	7.6
10'-0"	401	8.0	402	8.0	403	8.0
10'-6"	401	8.4	402	8.4	403	8.4
11'-0"	401	8.8	402	8.8	403	8.8



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



PCD FILE #SF-22-035

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NO.	REVISION	DATE

REVIEW: [Signature]  
 PREPARED UNDER SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING AND SURVEYORS, LLC  
 KYLE R. CAMPBELL, P.E. #29794  
 DATE: 02/28/24

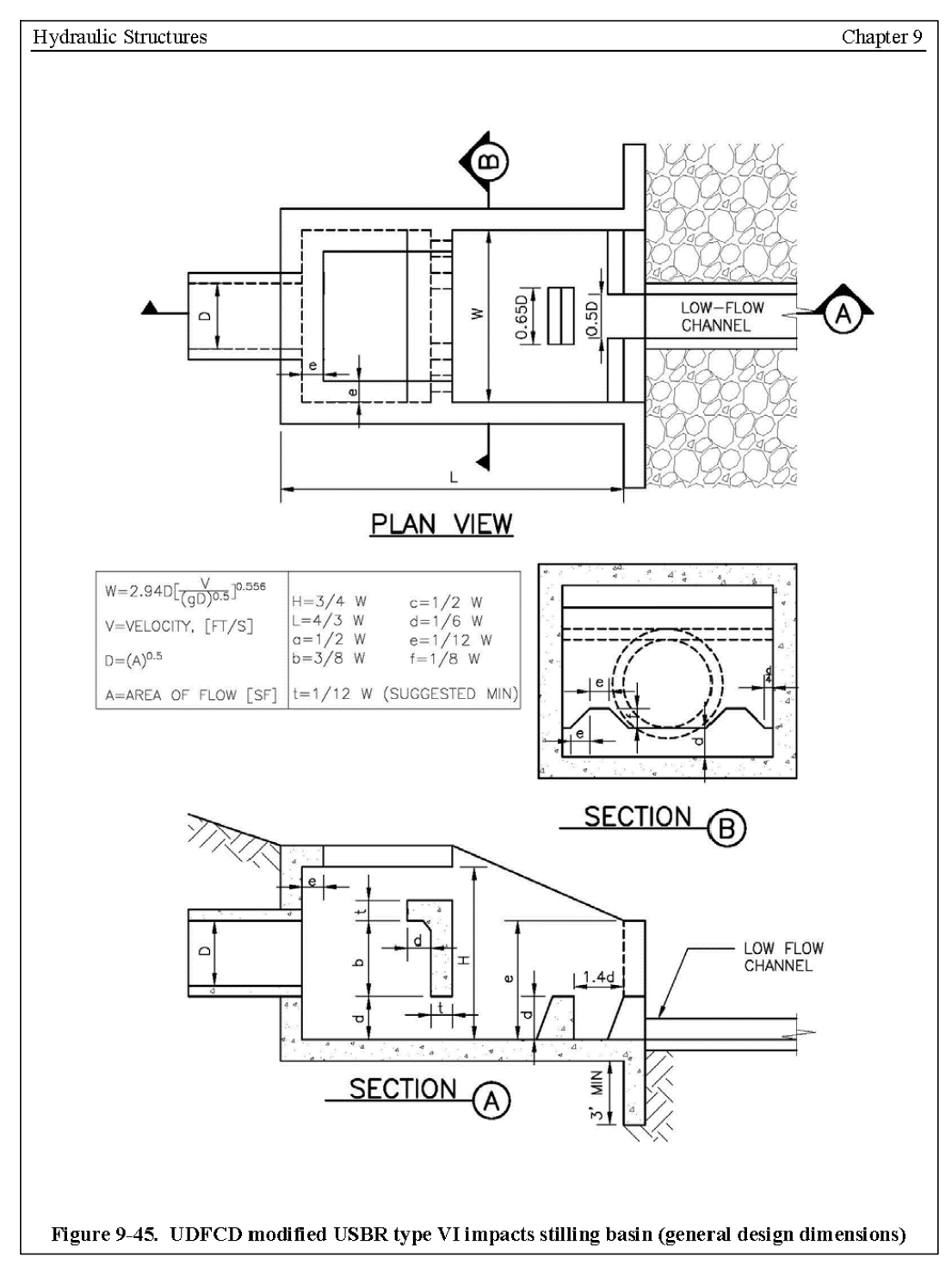
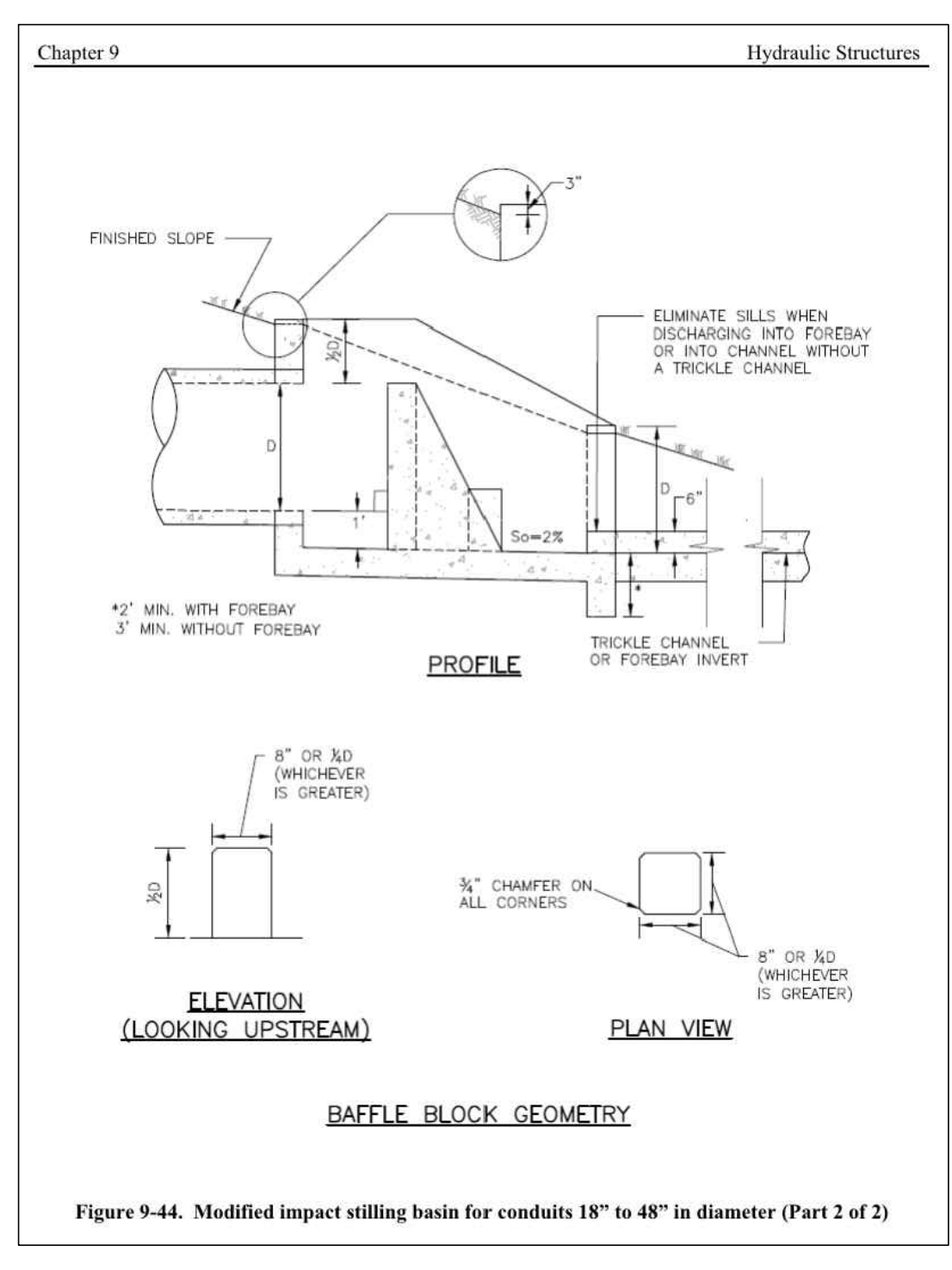
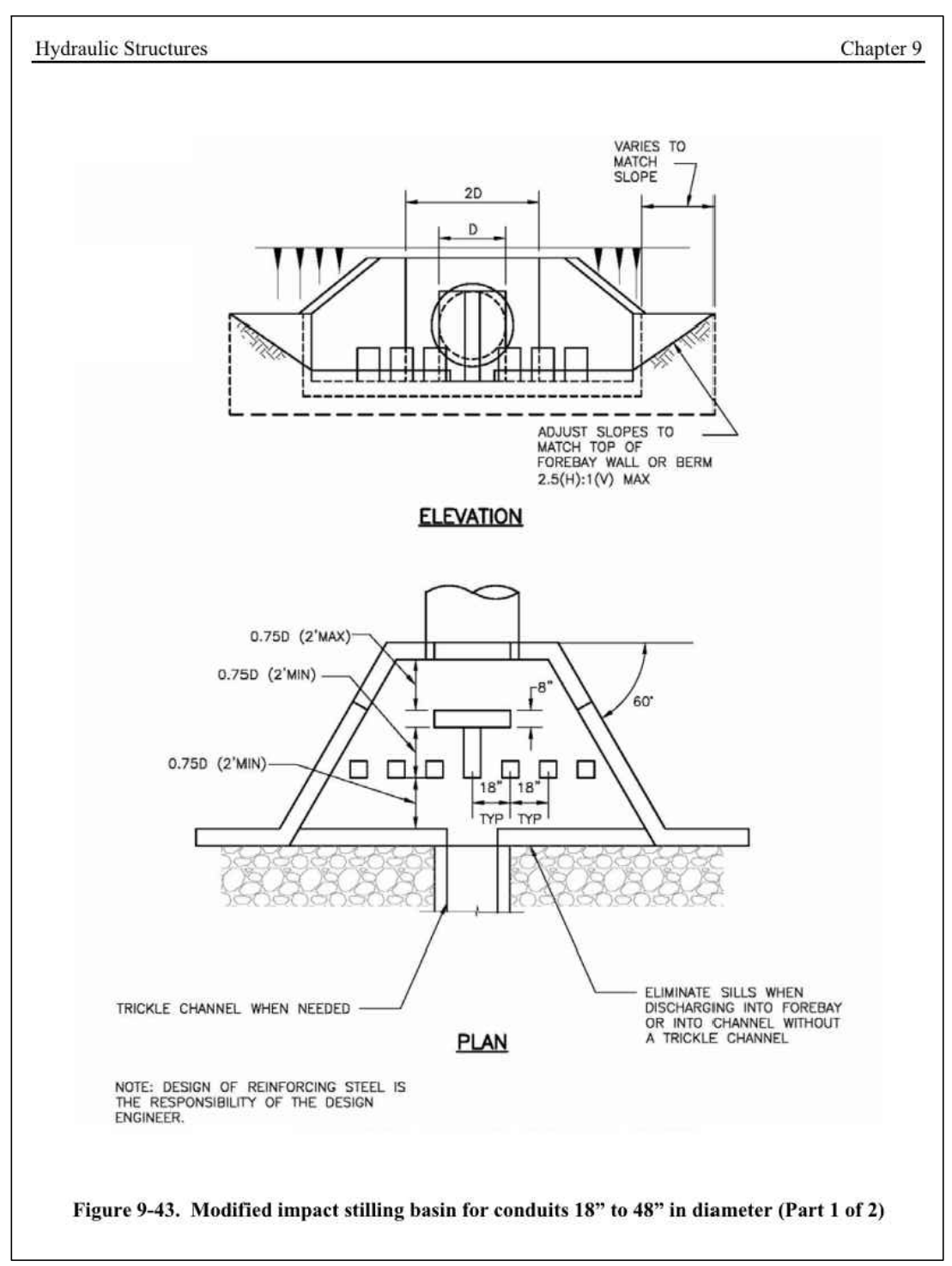
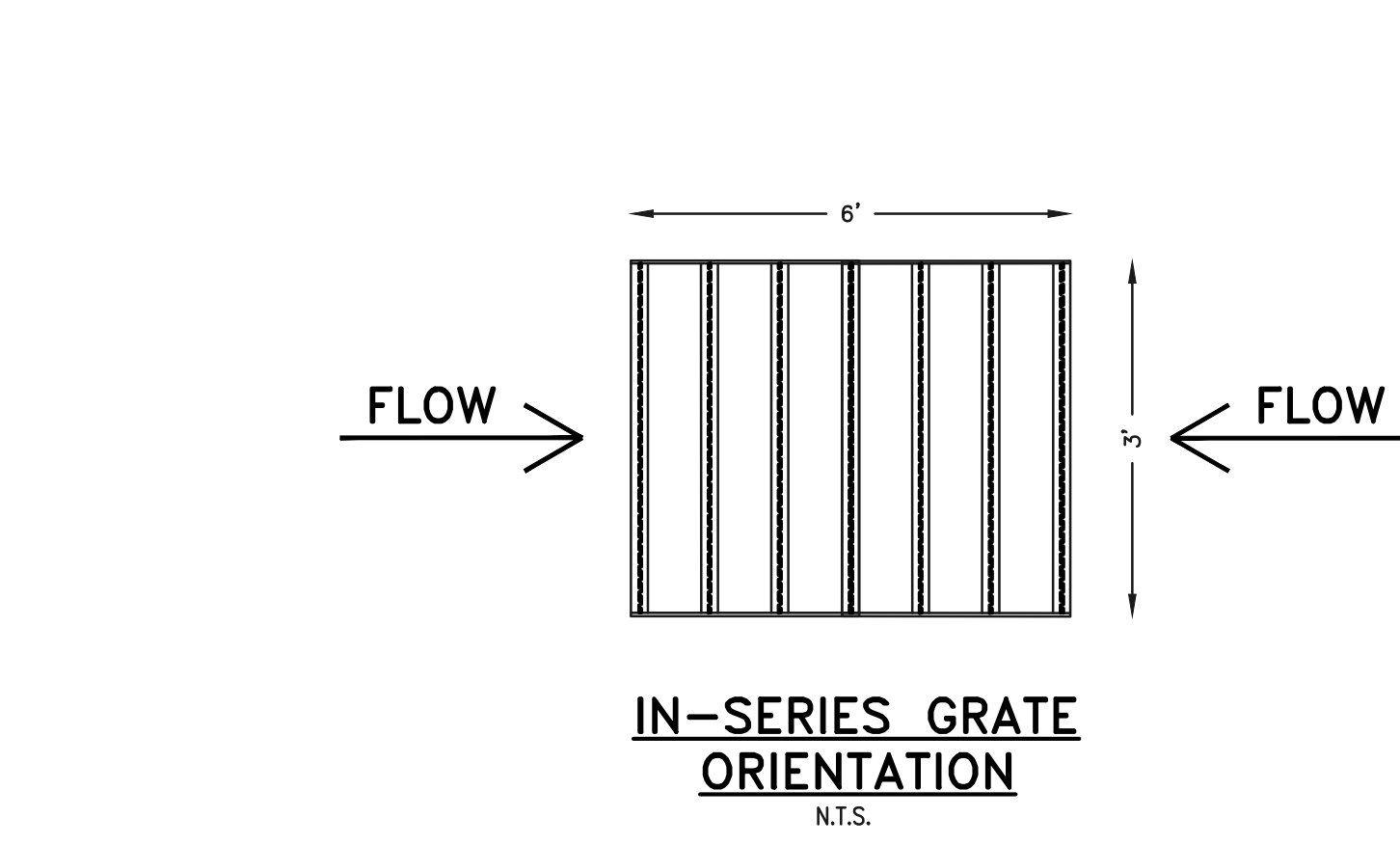
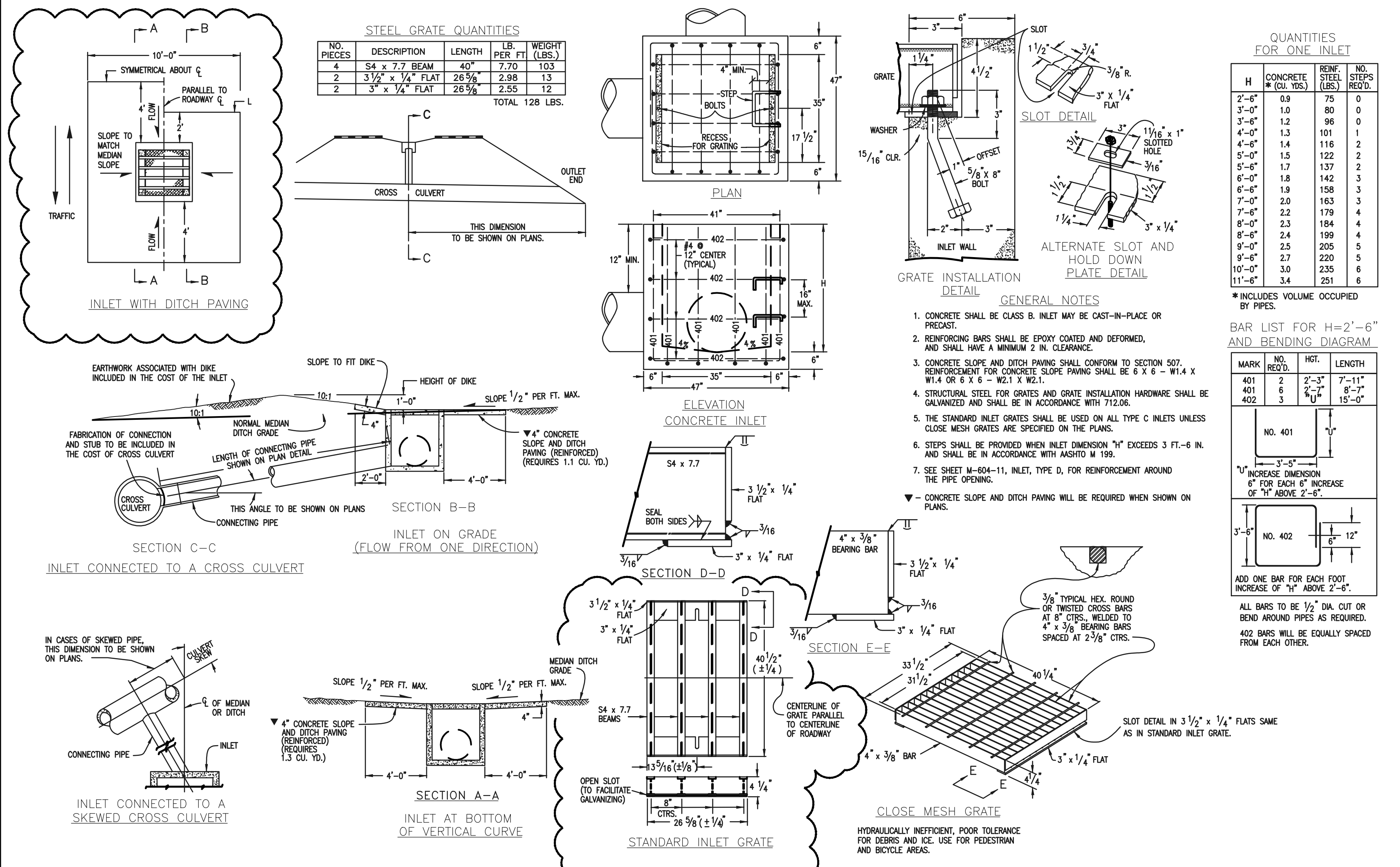
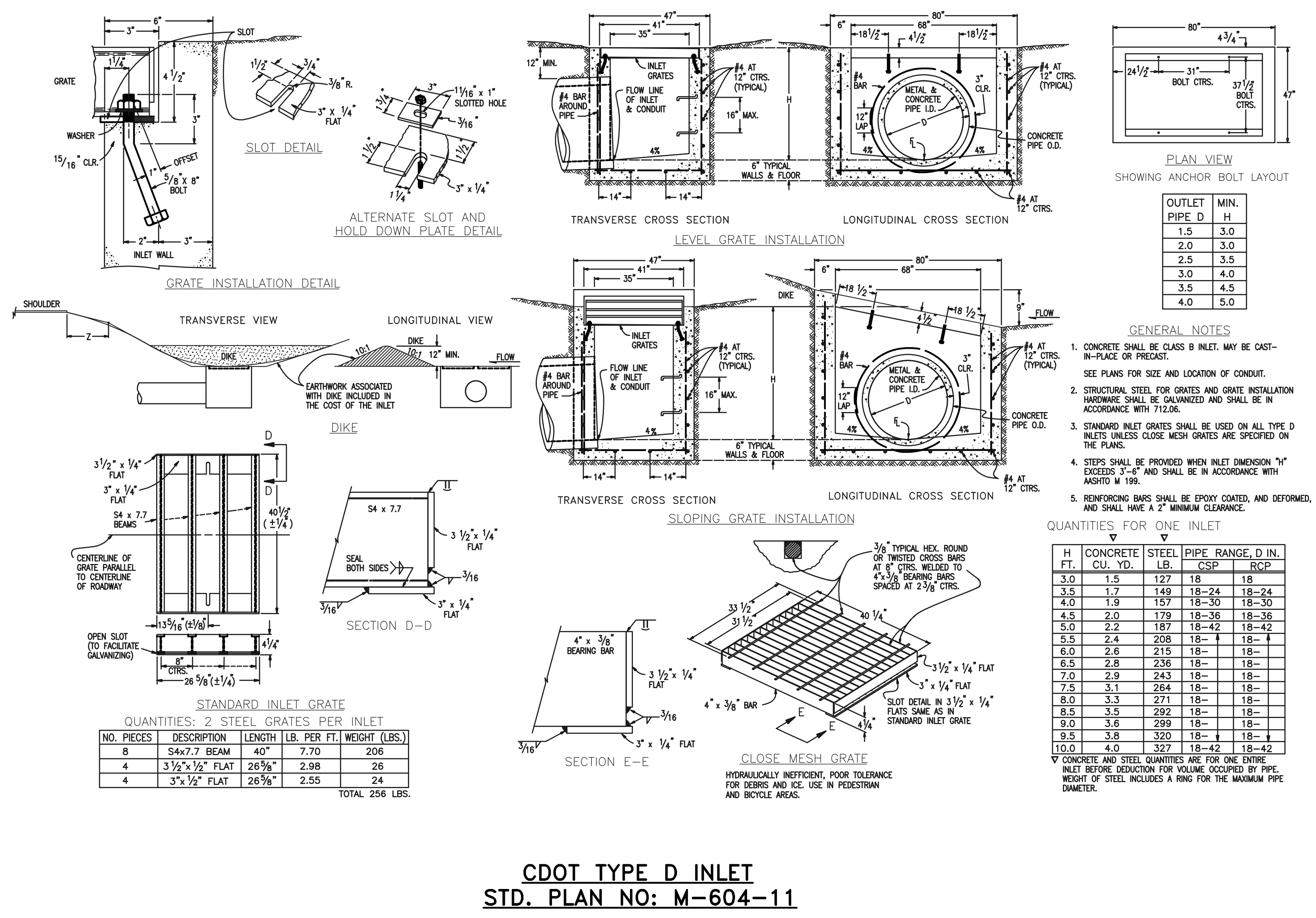
STERLING RANCH EAST FILING NO. 1  
 CONSTRUCTION PLANS  
 DETAILS SHEET

DESIGNED BY: MES  
 SCALE: (H) 1" = N/A  
 DATE: 08/31/22

DRAWN BY: MES  
 SCALE: (V) 1" = N/A  
 SHEET 52 OF 53

CHECKED BY: [Signature]  
 JOB NO. 1183.30

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



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**CLASSIC CONSULTING**

KYLE R. C... P.E. #29794

02/28/24

PCD FILE #SF-22-035

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

DETAILS SHEET

DESIGNED BY	SCALE	DATE	08/31/22
DRAWN BY	(H) 1" = N/A	SHEET	53 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  
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