

Cover Sheet

Document Title:	Final Compliant Grading Plans
Prepared By:	San Bernardino County
Date:	12/16/2024
Version:	Permit GRAD-2021-00235
Project Name:	PPHCSD Civic Center Phase 1
Client/Stakeholder:	PPHCSD
Confidentiality:	[Public/Internal/Confidential]

Document Overview

This specification document outlines the requirements, standards, and key details for the project or product described above. The cover sheet provides a summary of essential information to identify and track the document throughout its lifecycle.

"FOR REFERENCE ONLY"

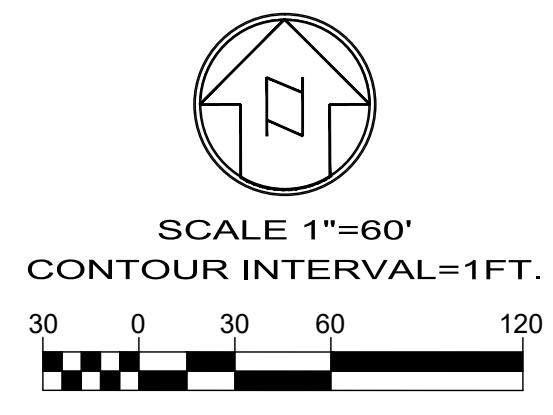
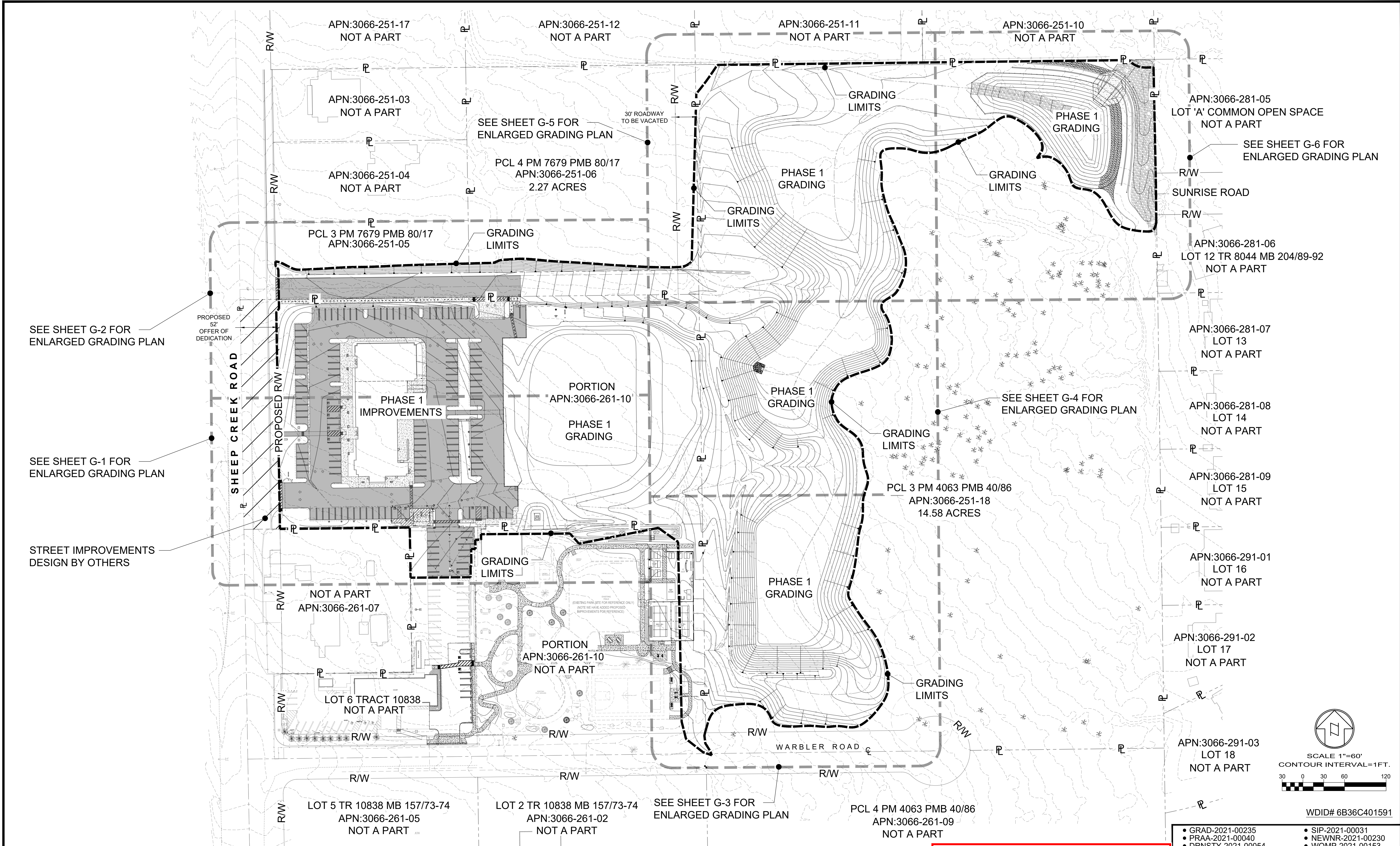
Note: These plans had received prior approval from the appropriate approving agency and are issued as "For Reference Only" documents for prospective bidders to review only. Bidders must bid the "BID SET" drawings as changes have been made since approvals. "Bid Set" drawings will be resubmitted for approval during the bidding period and issued as "FOR CONSTRUCTION DRAWINGS" AFTER OBTAINING APPROVALS FROM APPROPRIATE APPROVAL AGENCY.

Contact Information

- Preparer TRLS Engineering, Tom Ragen 760.948-4900, tragen@trlsinc.com and Autem Atkins aatkins@trlsinc.com
- Jerry L Miles, P.E. 760-646-0203, jerryjm59@yahoo.com

Revision History


Version	Date	Description	Author



WDID# 6B36C401591

BENCHMARK:
U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF JOHNSON RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE, 6.3 FT NORTH OF A SECTION MARKER PIPE, 0.6 FT EAST OF A WITNESS POST, ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

NO.	REVISION	DATE	BY



Jerry L. Miles
No. C 42593
Civil
STATE OF CALIFORNIA

JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

PLANS PREPARED BY:

TRLS ENGINEERING Inc.

10770 I AVENUE, SUITE 108
Hesperia, CA 92345

For Reference Only

THE PLANS AND DETAILS HAVE BEEN

REVIEWED

FOR CODE COMPLIANCE

THE REVIEW OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE OF THIS COUNTY.

By: *William Hensley*
Date: 12/16/2024

THESE PLANS SHALL BE ON THE JOB FOR ALL REQUIRED INSPECTIONS

Land Development


B.HENSLEY@LUS.SBCOUNTY.GOV
(909) 387-4547

<ul style="list-style-type: none">• GRAD-2021-00235• PRAA-2021-00040• DRNSTY-2021-00054		<ul style="list-style-type: none">• SIP-2021-00031• NEWNR-2021-00230• WQMP-2021-00153	
DRAWN BY: TRLS DATE: 09-04-2024	DESIGNED BY: DATE:	PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18)	
APPROVED BY: DATE:	DATE:	GRADING KEY PLAN	
SCALE: AS SHOWN		SHEET 2 OF 25	SHEET G-0

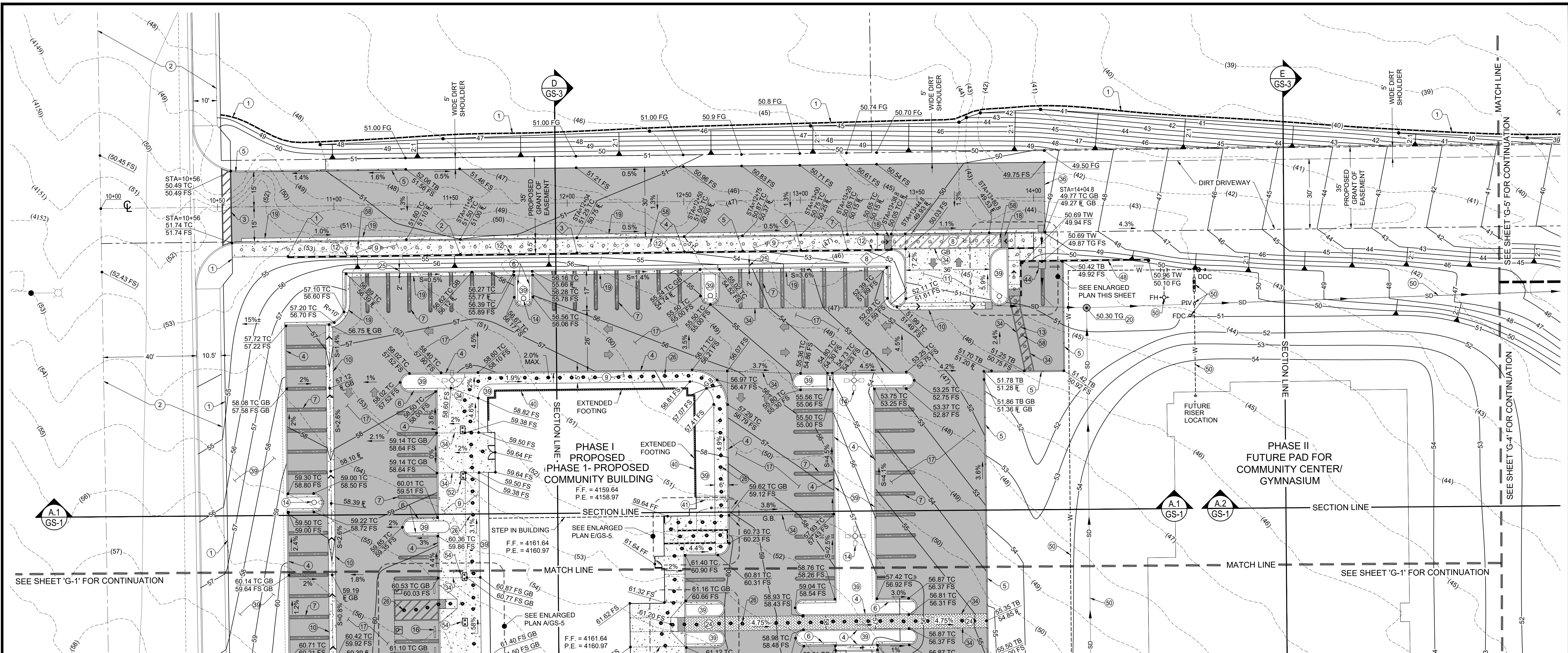


SCALE 1"=20'
CONTOUR INTERVAL=1FT.

10 0 10 20 40



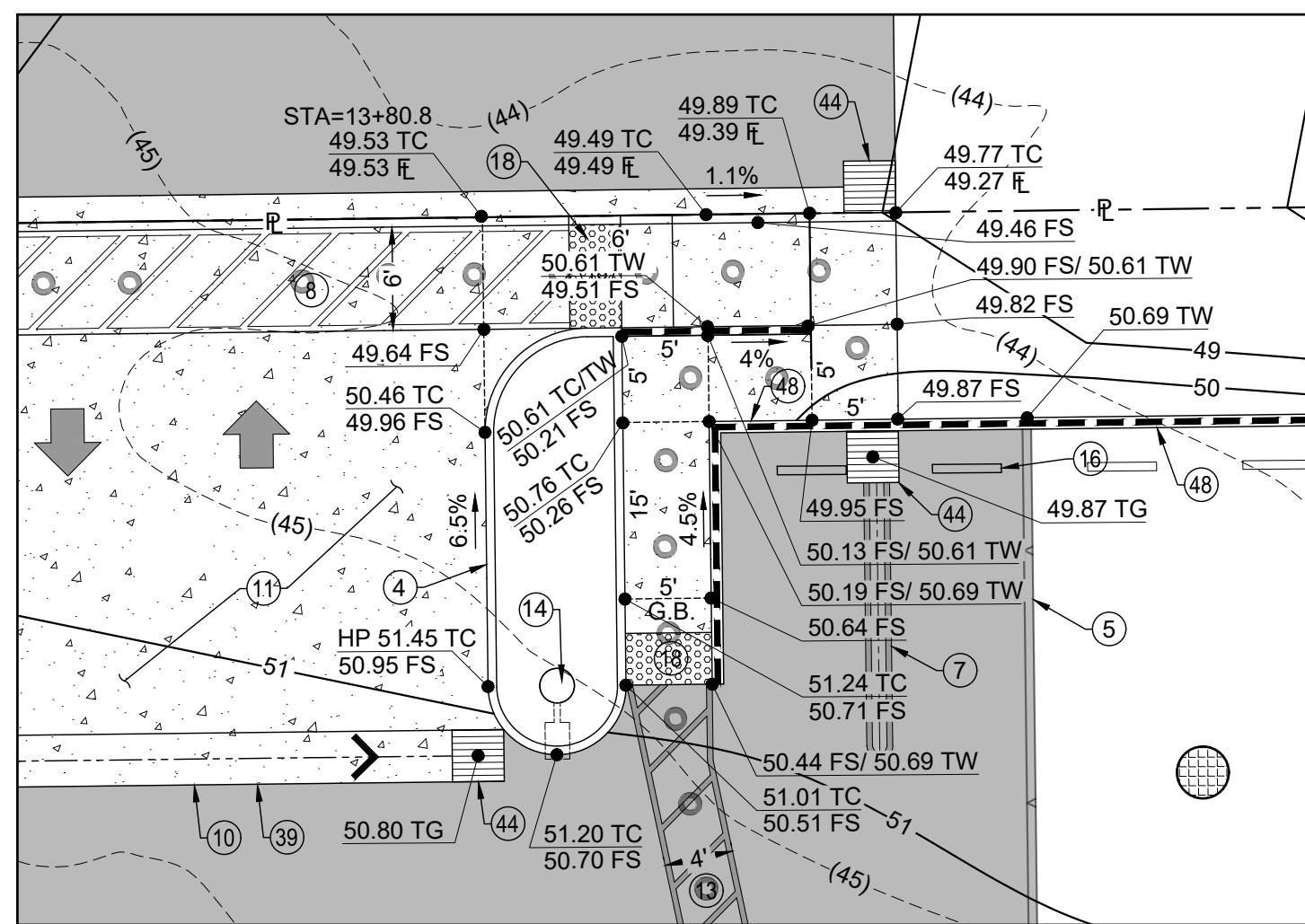
NOTE: ADD 4100 TO ALL ELEVATIONS



SEE SHEET 'G-1' FOR CONTINUATION

SEE SHEET 'G-4' FOR CONTINUATION

SEE SHEET 'G-1' FOR CONTINUATION



ENLARGED PLAN

SCALE= 1"= 10'

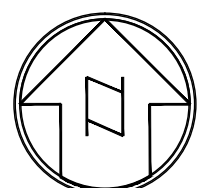
RETAINING WALL LEGEND

TW= TOP OF WALL
TF= TOP OF FOOTING

CALLOUT	ELEVATION	STATION
1	55.36 TW 50.67 TF	STA=10+80
2	55.36 TW 50.67 TF	STA=11+54
3	55.36 TW 50.67 TF	STA=12+04
4	55.36 TW 54.67 TF	STA=12+50
5	54.67 TW 54.00 TF	STA=12+75
6	54.00 TW 53.33 TF	STA=13+00
7	53.33 TW 52.60 TF	STA=13+20
8	52.67 TW 49.33 TF	STA=13+88.8

CONSTRUCTION NOTES

- 1 PHASE 1 GRADING LIMITS.
- 2 STREET IMPROVEMENTS BY OTHERS. STREET IMPROVEMENTS PLANS UNDER SEPARATE PERMIT. SIP-2021-00031.
- 3 MATCH EXISTING.
- 4 CONSTRUCT A1-6 HIGH CONCRETE CURB PER SPPWC STD. 120-2.
- 5 CONSTRUCT D1-6 6" HIGH ASPHALT BERM TO LIMITS SHOWN PER SPPWC STD. 120-2.
- 6 CONSTRUCT 12" WIDE CONCRETE WALK AT BACK OF CURB PER DETAIL "A" SHOWN ON SHEET G-3.
- 7 INSTALL PAINT STRIPING AND SYMBOLS PER ARCHITECTURAL PLAN.
- 8 INSTALL 6" WIDE ADA PATH OF TRAVEL STRIPING.
- 9 CONSTRUCT 4" THICK CONCRETE SIDEWALK TO LIMITS SHOWN. CROSS SLOPE TO BE 2.0% MAX.
- 10 CONSTRUCT 3" WIDE CONCRETE V-GUTTER PER SBCO STD. 125.
- 11 CONSTRUCT 6" THICK CONCRETE PAVEMENT TO LIMITS SHOWN.
- 12 CONSTRUCT 8" BLOCK RETAINING WALL TO LIMITS SHOWN. UNDER SEPARATE PERMIT.
- 13 INSTALL 4" WIDE ADA PATH OF TRAVEL WITH STRIPING TO LIMITS SHOWN (CROSS SLOPE MAX = 1.75%).
- 14 INSTALL PARKING AREA LIGHT STANDARD PER ARCHITECTURAL PLAN.
- 15 INSTALL 4' LONG CONCRETE WHEEL STOP. REFER TO ARCHITECTURAL PLAN.
- 16 INSTALL 4" AC PAVEMENT OVER 5" CLASS II BASE TO LIMITS SHOWN.
- 17 INSTALL TRUNCATED DOME PER ARCHITECTURAL PLAN.
- 18 CONSTRUCT 6" CURB & GUTTER PER SBCO STD. 116 TO LIMITS SHOWN.
- 19 INSTALL 5" DIA. CONCRETE MANHOLE WITH 36" TRAFFIC RATED GRATE WITH FLOGARD 36" INSERT FILTER OR APPROVED EQUAL. (REFER TO UTILITY PLAN).
- 20 CONSTRUCT 6" WIDE ADA PATH OF TRAVEL. DECORATIVE PAVERS PER ARCHITECTURAL PLAN.
- 21 CONTRACTOR TO MAINTAIN TOP OR TOE OF SLOPE A MINIMUM OF 2-FEET FROM BACK OF CURB.
- 22 ADA PATH OF TRAVEL SHOWN THUSLY.
- 23 GRADE BREAK LINE.
- 24 EDGE OF PROPOSED PAVEMENT.
- 25 PLANTER AREA. REFER TO ARCHITECTURAL PLANS FOR LANDSCAPE INFO.
- 26 EXTENDED FOOTING. REFER TO ARCHITECTURAL FOUNDATION PLAN FOR DETAIL.
- 27 UNDER SIDEWALK DRAIN.
- 28 INSTALL DROP INLET. REFER TO UTILITY PLAN.
- 29 CONSTRUCT 0.5' HIGH TO 2.0' HIGH 6" THICK BLOCK WALL TO LIMITS SHOWN.
- 30 REFER TO UTILITY PLAN.
- 31 ARCHITECTURAL COLUMN. SEE ARCHITECTURAL PLAN.
- 32 CONSTRUCT VARIABLE HEIGHT 0" TO 6" CURB TO LIMITS SHOWN.
- 33 INSTALL ADA PARKING SIGN PER ARCHITECTURAL PLAN.
- 34 FUTURE PATH OF TRAVEL.



SCALE 1"=20'
CONTOUR INTERVAL=1FT.

NOTE: ADD 4100 TO ALL ELEVATIONS

WDID# 6B36C401591



Know what's below.
Call before you dig.

BENCHMARK:

U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF PHELAN RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE. 6.3 FT NORTH OF A SECTION MARKER PIPE. 0.6 FT EAST OF A WITNESS POST. ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'



JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

PLANS PREPARED BY:

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Hesperia, CA 92345

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By: *William Hensley*
Date: 12/16/2024

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- DRNSTY-2021-00054

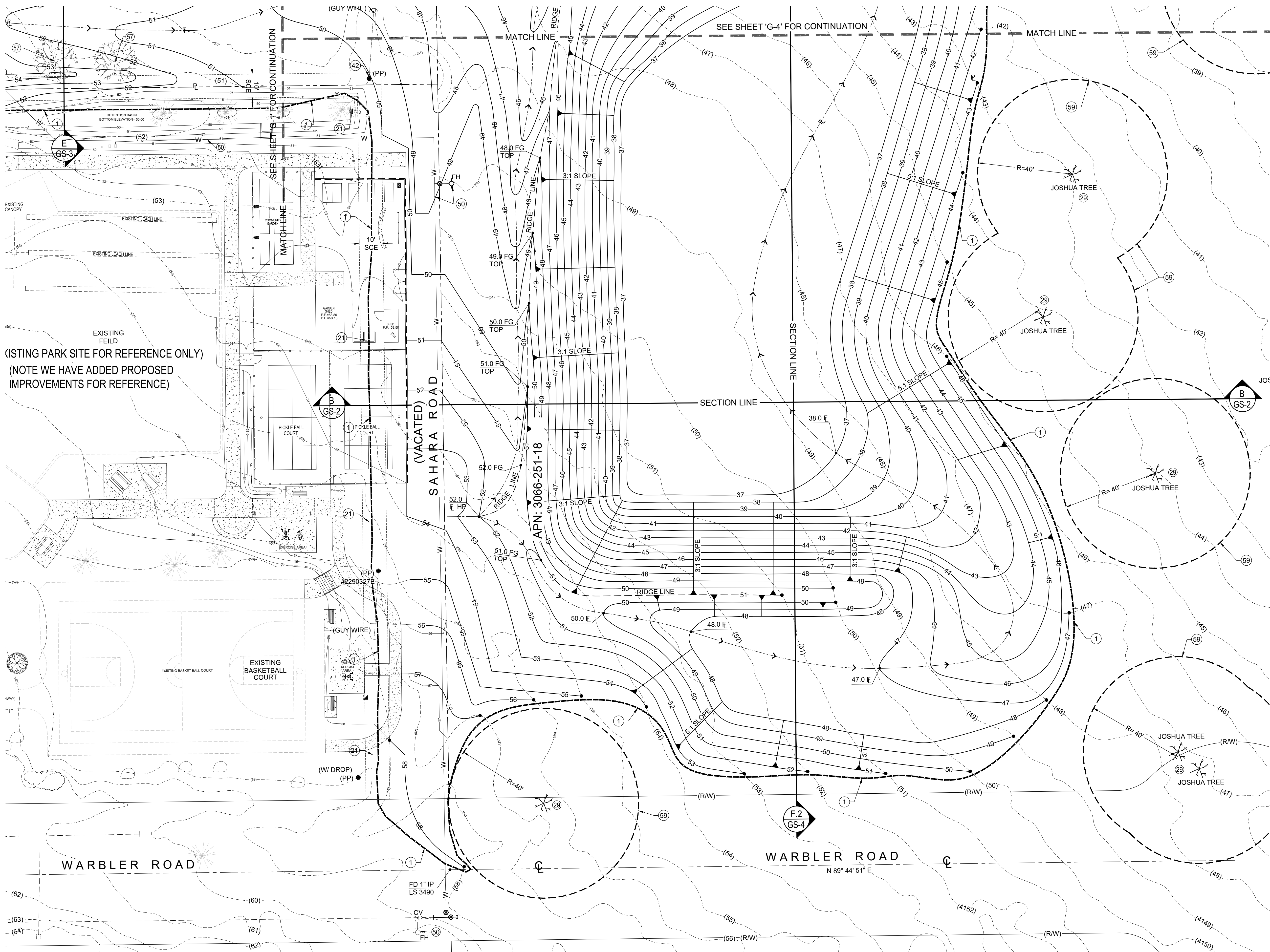
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- NEWNR-2021-00230
- WQMP-2021-00153

DRAWN BY: TRLS
DATE: 09-04-2024
DESIGNED BY: TER
DATE:
APPROVED BY:
DATE:

PHELAN PINON HILLS
COMMUNITY SERVICES DISTRICT
CIVIC CENTER DEVELOPMENT
PHASE 1
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(APN: 3066-261-10 & 3066-251-18)

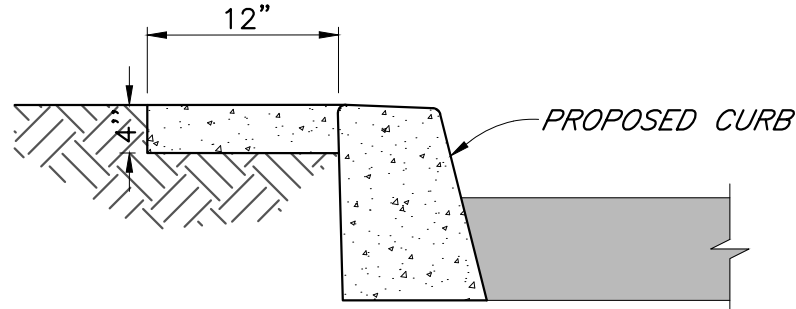
GRADING PLAN

SCALE:
AS SHOWN
SHEET
4 OF 25
SHEET
G-2



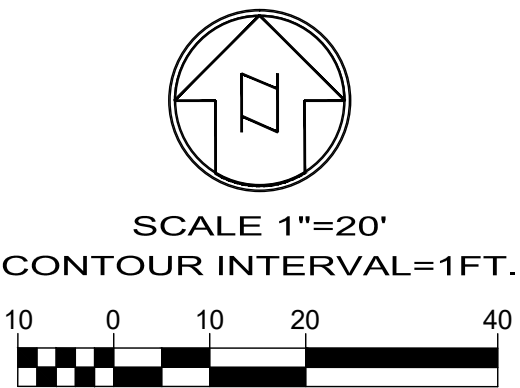
CONSTRUCTION NOTES

- 1 PHASE 1 GRADING LIMITS.
- 21 PROTECT EXISTING FENCE IN PLACE.
- 29 PROTECT EXISTING JOSHUA TREES IN PLACE.
- 42 PROTECT IN PLACE.
- 50 REFER TO UTILITY PLAN.
- 59 CONTRACTOR MUST MAINTAIN A 40 FOOT UNDISTURBED PERIMETER AROUND ALL JOSHUA TREES



DETAIL "A" - WALK @ BACK OF CURB
NOT TO SCALE

(EXISTING PARK SITE FOR REFERENCE ONLY)
(NOTE WE HAVE ADDED PROPOSED IMPROVEMENTS FOR REFERENCE)



WDID# 6B36C401591

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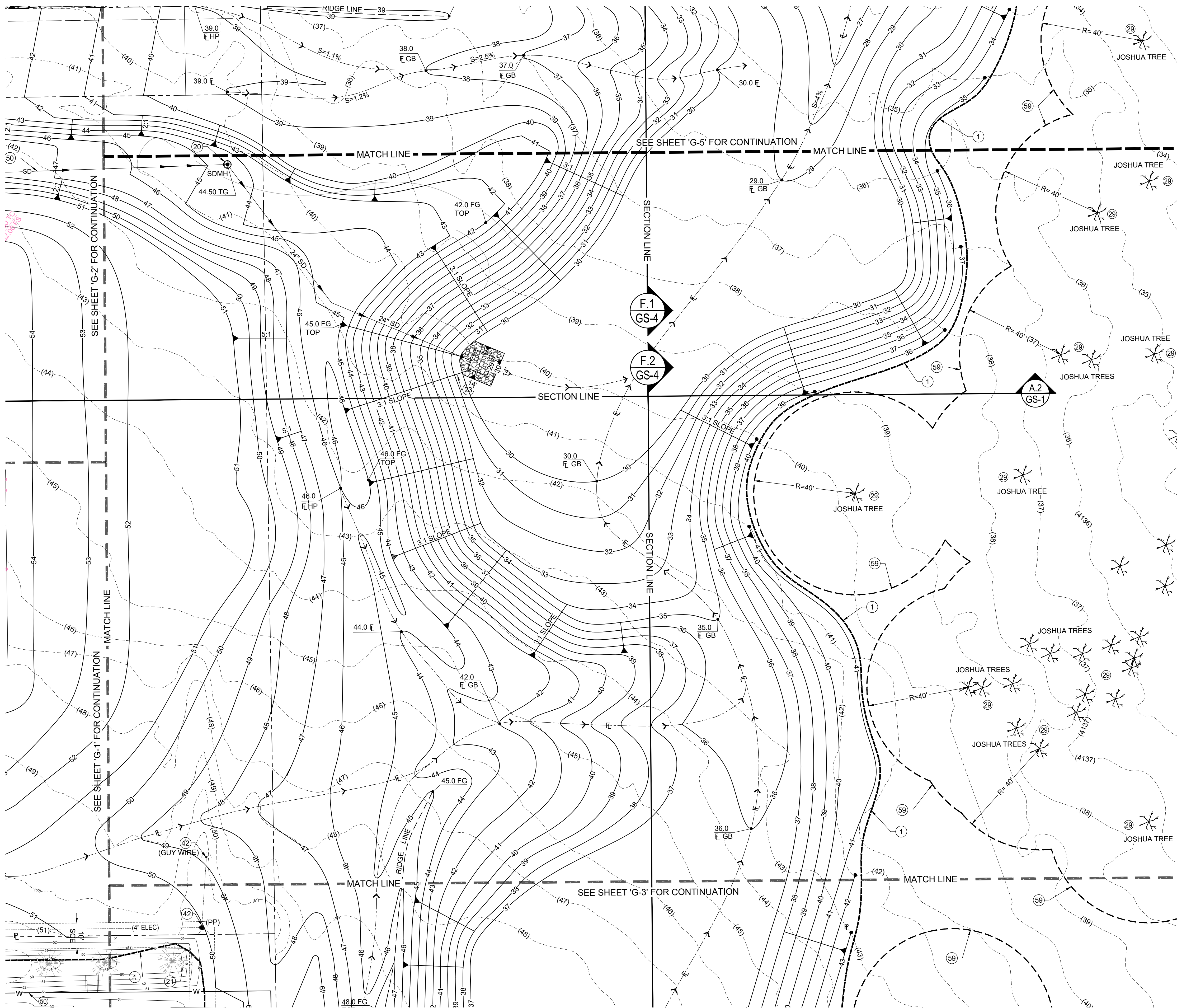


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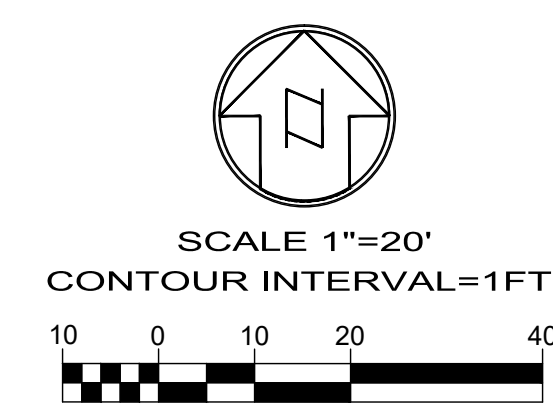
DRAWN BY: TER DATE: 09-04-2024	DESIGNED BY: DATE:	APPROVED BY: DATE:	PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18)	SCALE: AS SHOWN SHEET 5 OF 25 SHEET G-3
• GRAD-2021-00235 • PRAA-2021-00040 • DRNSTY-2021-00054	• SIP-2021-00031 • NEWNR-2021-00230 • WQMP-2021-00153			





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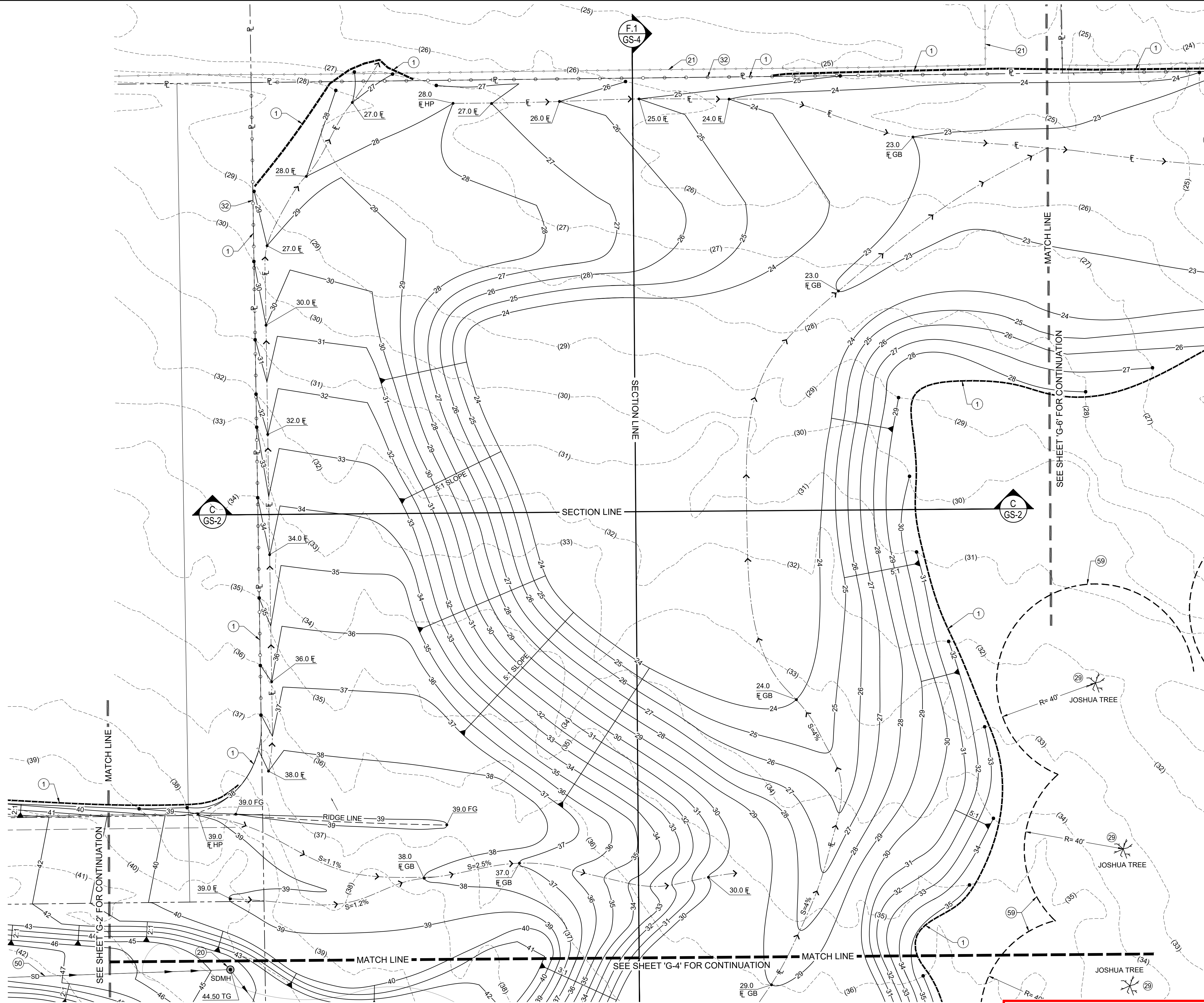
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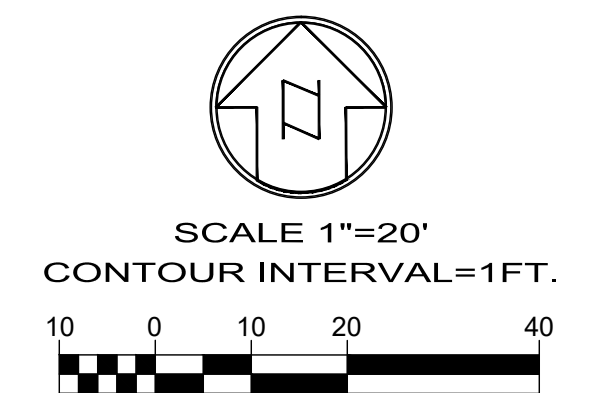
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APPROVED BY: DATE: -	PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18)
SCALE: AS SHOWN	SHEET 6 OF 25
GRADING PLAN	SHEET G-4





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- 29 PROTECT EXISTING JOSHUA TREES IN PLACE.
- 32 INSTALL 6' HIGH CHAINLINK FENCE TO LIMITS SHOWN.
- 59 CONTRACTOR MUST MAINTAIN A 40 FOOT UNDISTURBED PERIMETER AROUND ALL JOSHUA TREES



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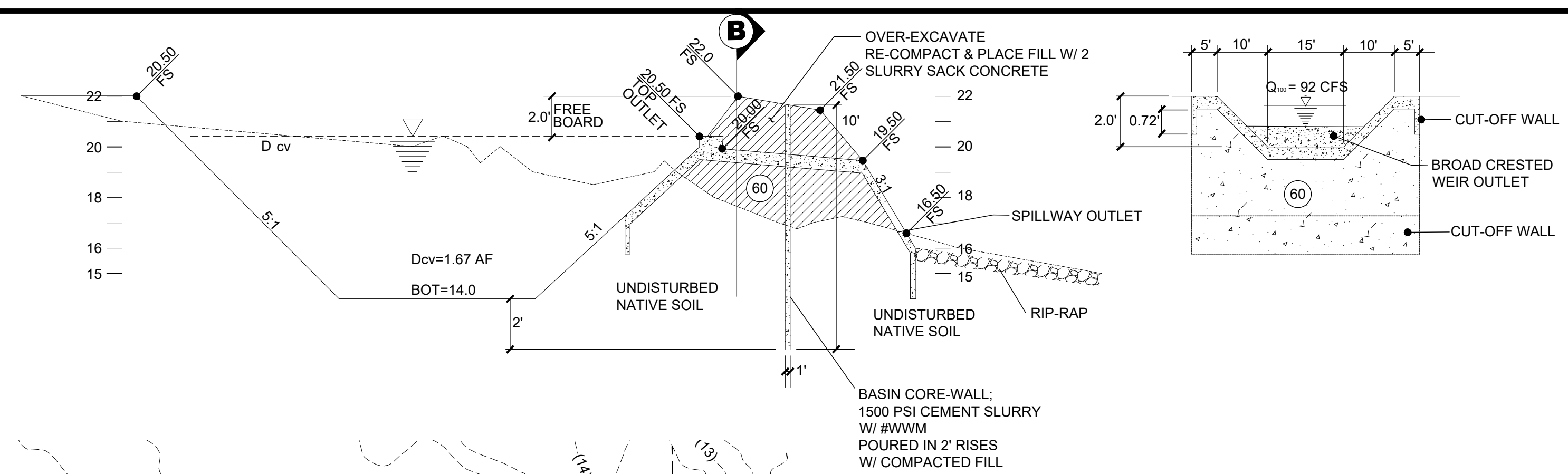
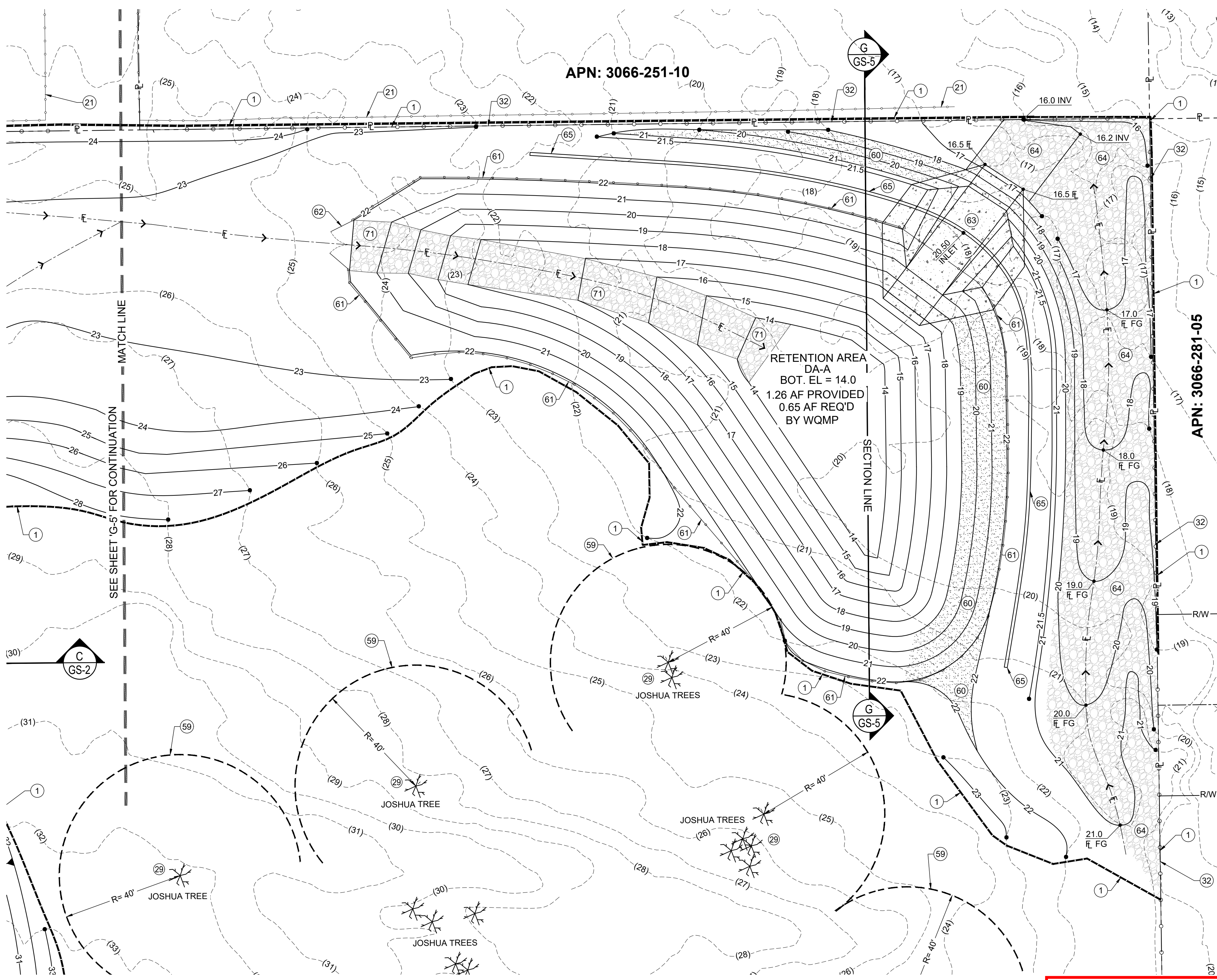
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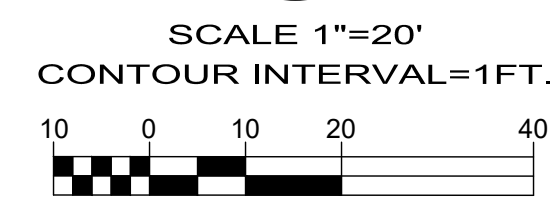
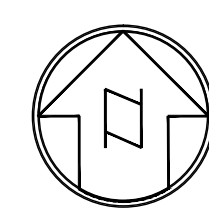
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811
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Call before you dig.



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- 21 PROTECT EXISTING FENCE IN PLACE.
- 29 PROTECT EXISTING JOSHUA TREES IN PLACE.
- 32 INSTALL 6' HIGH CHAINLINK FENCE TO LIMITS SHOWN.
- 59 CONTRACTOR MUST MAINTAIN A 40 FOOT UNDISTURBED PERIMETER AROUND ALL JOSHUA TREES
- 60 INSTALL 2 SACK SLURRY SOIL CEMENT TO A THICKNESS OF 12" TO LIMITS SHOWN.
- 61 INSTALL 6' HIGH DECORATIVE WROUGHT IRON FENCE TO LIMITS SHOWN.
- 62 INSTALL 16' WIDE DOUBLE DECORATIVE WROUGHT IRON SWING GATE.
- 63 CONSTRUCT 12" THICK CONCRETE SPILLWAY PER DETAIL THIS SHEET.
- 64 2" TO 4" RIP RAP ROCK X 6" DEEP TO LIMITS SHOWN.
- 65 CONSTRUCT 12" WIDE BASIN CORE WALL PER DETAIL THIS SHEET.
- 71 2" TO 4" RIP RAP ROCK GROUTED 12" DEEP TO LIMITS SHOWN.



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SCALE: AS SHOWN	SHEET 8 OF 25
GRADING PLAN	SHEET G-6



SHEEP CREEK ROAD

N 00° 33' 19" W

FD COUNTY
SURVEYOR
MONUMENT
TBM ELEV= 4151.93

IDENTICAL
POINT

FD COUNTY
SURVEYOR
MONUMENT
TBM ELEV=4172.18

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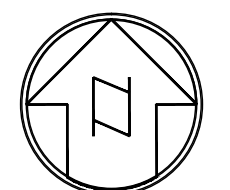
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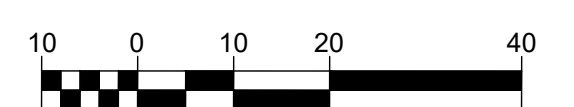
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HORIZONTAL CONTROL PLAN

SCALE:
AS SHOWN
SHEET
9 OF 25
SHEET
HC-1



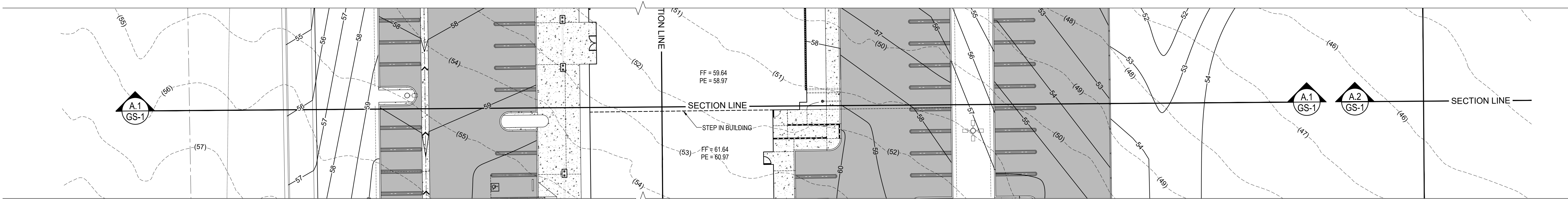
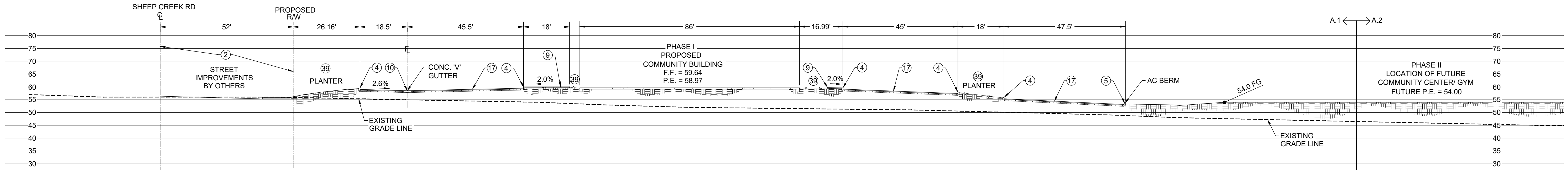
SCALE 1"=30'
CONTOUR INTERVAL=1FT.



WDID# 6B36C401591



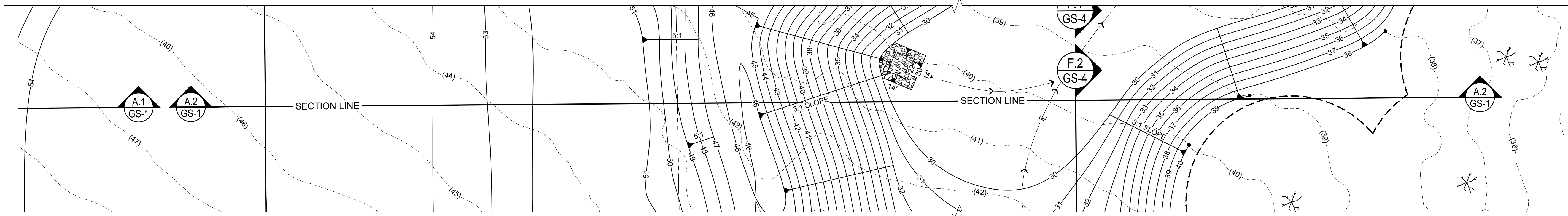
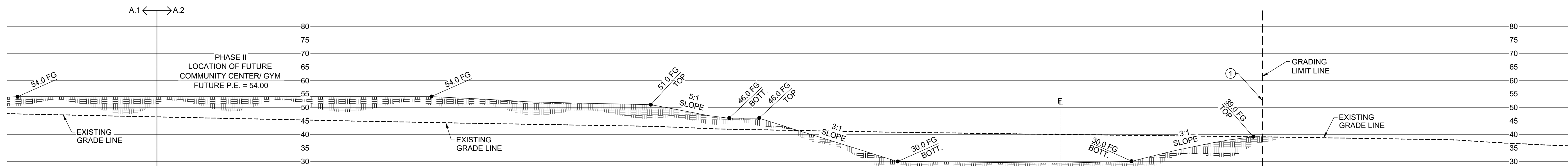
Know what's below.
Call before you dig.



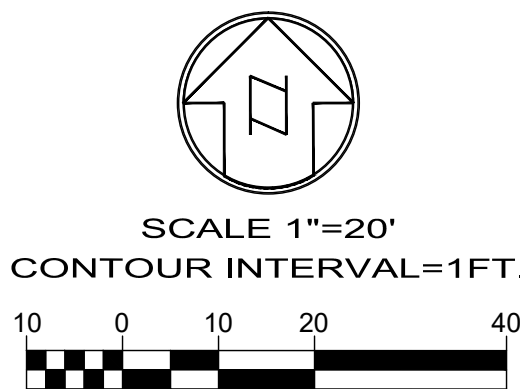
SECTION 'A.1'

CONSTRUCTION NOTES

- 1 PHASE 1 GRADING LIMITS.
- 2 STREET IMPROVEMENTS BY OTHERS. STREET IMPROVEMENTS PLANS UNDER SEPARATE PERMIT. SIP-2021-00031.
- 4 CONSTRUCT A1-6 HIGH CONCRETE CURB PER SPPWC STD. 120-2.
- 5 CONSTRUCT D1-6 6" HIGH ASPHALT BERM TO LIMITS SHOWN PER SPPWC STD. 120-2.
- 9 CONSTRUCT 4" THICK CONCRETE SIDEWALK TO LIMITS SHOWN. CROSS SLOPE TO BE 2.0% MAX.
- 10 CONSTRUCT 3" WIDE CONCRETE V-GUTTER PER SBCO STD. 125.
- 17 INSTALL 4" AC PAVEMENT OVER 5" CLASS II BASE TO LIMITS SHOWN.
- 39 PLANTER AREA. REFER TO ARCHITECTURAL PLANS FOR LANDSCAPE INFO.
- 59 CONTRACTOR MUST MAINTAIN A 40 FOOT UNDISTURBED PERIMETER AROUND ALL JOSHUA TREES



SECTION 'A.2'



WDID# 6B36C401591



BENCHMARK:
U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE. 6.3 FT NORTH OF A SECTION MARKER PIPE. 0.6 FT EAST OF A WITNESS POST. ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

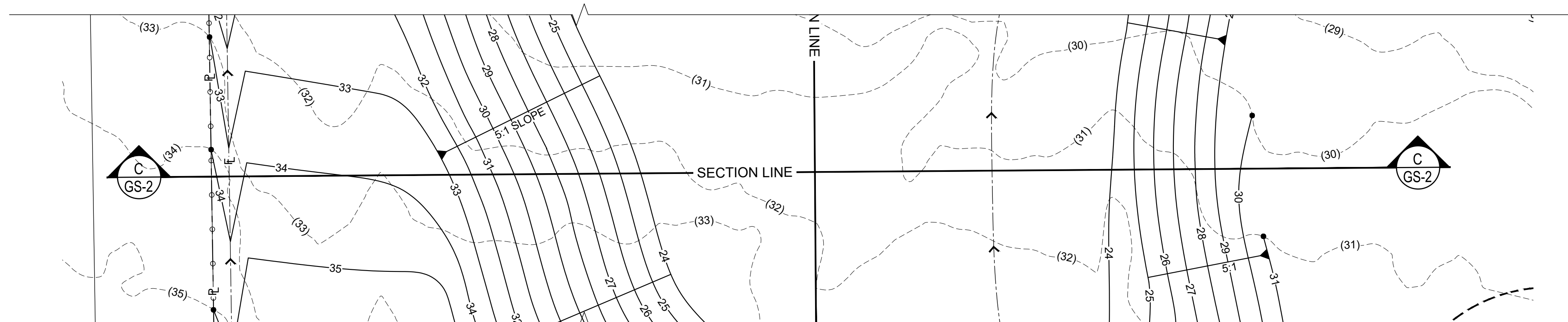


JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

PLANS PREPARED BY:
TRLS ENGINEERING Inc.
10770 I AVENUE, SUITE 108
Hesperia, CA 92345
For Reference Only

THE PLANS AND DETAILS HAVE BEEN
REVIEWED
FOR CODE COMPLIANCE
THE REVIEW OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE OF THIS COUNTY.
By: *William Hensley*
Date: **12/16/2024**
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUIRED INSPECTIONS

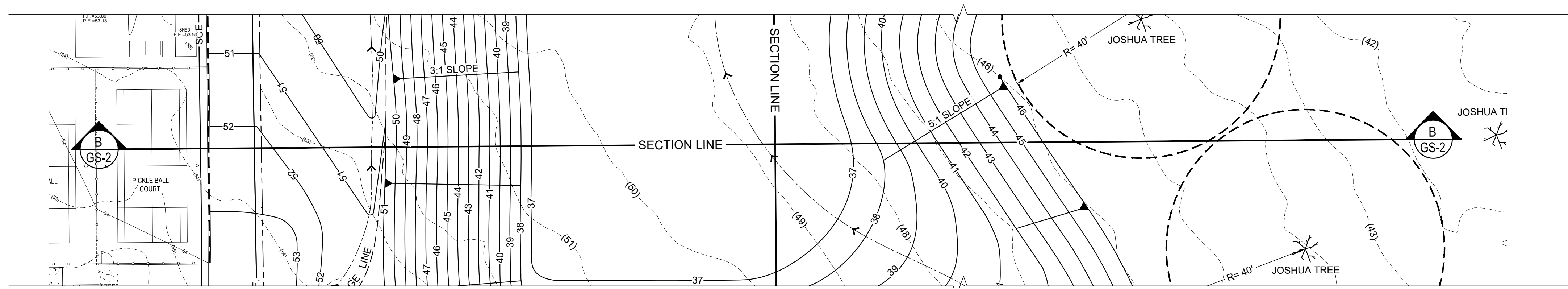
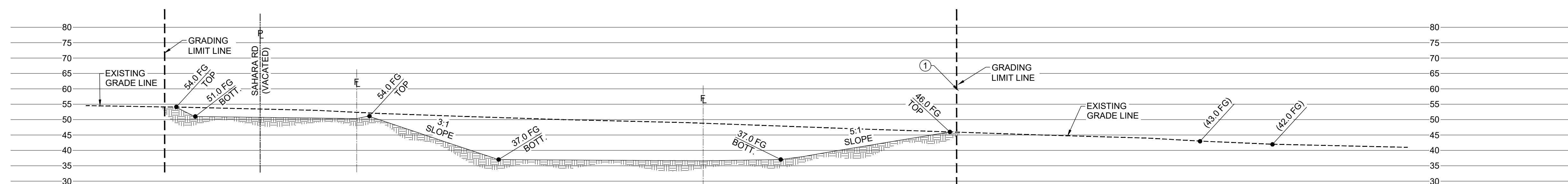
• GRAD-2021-00235 • PRAA-2021-00040 • DRNSTY-2021-00054	• SIP-2021-00031 • NEWNR-2021-00230 • WQMP-2021-00153
DRAWN BY: TRLS DATE: 09-04-2024	DESIGNED BY: TER DATE:
APPROVED BY: DATE:	PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18)
SCALE: AS SHOWN	SHEET 10 OF 25
SECTIONS	SHEET GS-1



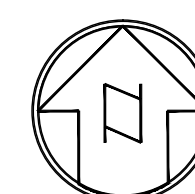
SECTION 'C'

CONSTRUCTION NOTES

① PHASE 1 GRADING LIMITS.



SECTION 'B'



SCALE 1"=20'
CONTOUR INTERVAL=1FT.

A graphic scale bar for the map. It is labeled 'SCALE 1"=20'' and 'CONTOUR INTERVAL=1FT.'. The bar is divided into segments representing 10, 0, 10, 20, and 40 feet. The segments are filled with alternating black and white patterns: black and white checkered for 0-10, solid black for 10-20, and solid white for 20-40.

WDID# 6B36C401591

BENCHMARK:

U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD, FROM THE INTERSECTION OF PHELAN RD, 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD, 34 FT EAST OF THE CENTER LINE OF JOHNSON RD, 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD, 6.6 FT WEST OF A FENCE, 6.3 FT NORTH OF A SECTION MARKER PIPE, 0.6 FT EAST OF A WITNESS POST, ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

NO	REVISION	DATE	BY	



JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

PLANS PREPARED BY:

TRLS ENGINEERING Inc.

10770 I AVENUE, SUITE 108
Hesperia, CA 92345

For Reference Only

THE PLANS AND DETAILS HAVE BEEN

REVIEWED
FOR CODE COMPLIANCE

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By: William Hensley
Date: 12/16/2024

THESE PLANS SHALL BE ON THE JOB FOR ALL REQUIRED INSPECTIONS

- GRAD-2021-00235
- PRAA-2021-00040
- DRNSTY-2021-00054

- SIP-2021-00031
- NEWNR-2021-00230
- WQMP-2021-00153

DRAWN BY: TRLS DATE: 09-04-2024
DESIGNED BY: TER DATE: -
APPROVED BY: DATE:

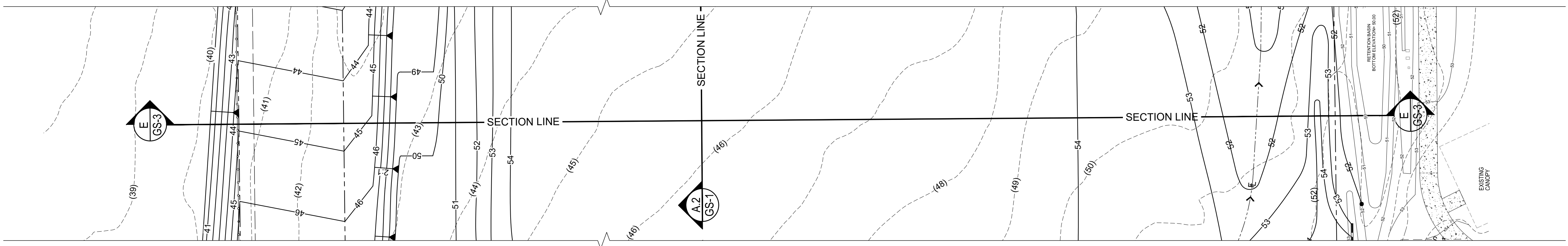
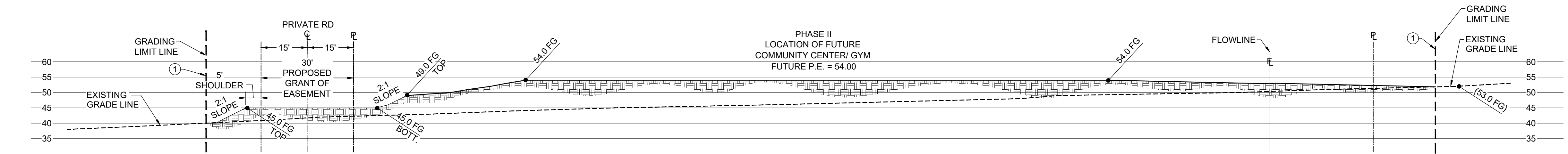
PHELAN PINON HILLS
 COMMUNITY SERVICES DISTRICT
 CIVIC CENTER DEVELOPMENT
 PHASE 1
 9535 SHEEP CREEK RD. PHELAN, CA. 92329
 (APN: 3066-261-10 & 3066-251-18)

SECTIONS

SCALE: AS SHOWN
SHEET 11 OF 25
SHEET GS-2



Know what's below.
Call before you dig.



SECTION 'E'

CONSTRUCTION NOTES

- ① PHASE 1 GRADING LIMITS.

④ CONSTRUCT A1-6 HIGH CONCRETE CURB PER SPPWC STD. 120-2.

⑨ CONSTRUCT 4" THICK CONCRETE SIDEWALK TO LIMITS SHOWN. CROSS SLOPE TO BE 2.0% MAX.

⑩ CONSTRUCT 3" WIDE CONCRETE V-GUTTER PER SBCO STD. 125

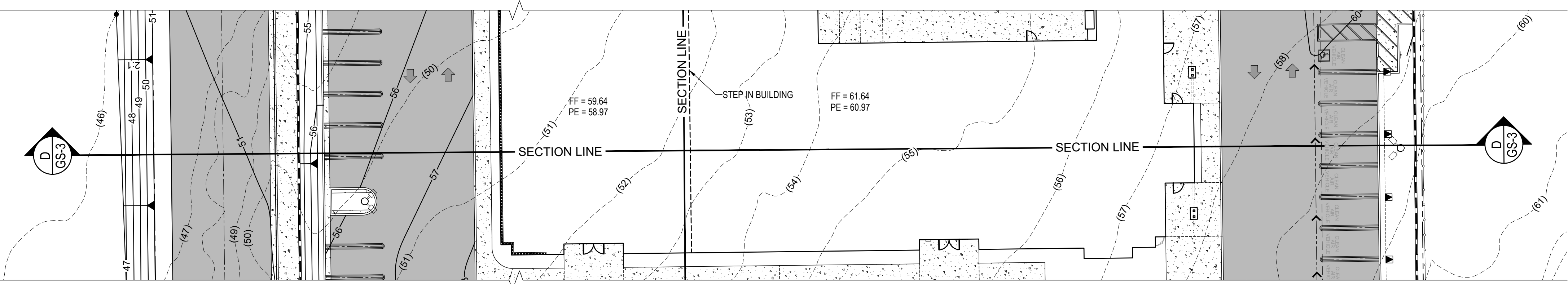
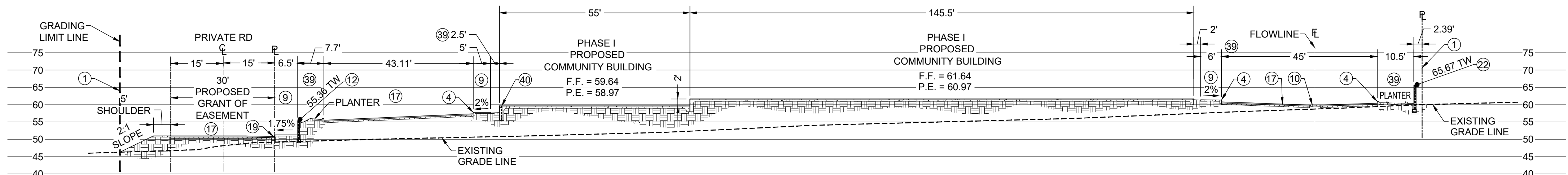
⑫ CONSTRUCT 8" BLOCK RETAINING WALL TO LIMITS SHOWN.

⑰ INSTALL 4" AC PAVEMENT OVER 5" CLASS II BASE TO LIMITS SHOWN.
- ⑲ CONSTRUCT 6" CURB & GUTTER PER SBCO STD. 116 TO LIMITS SHOWN.

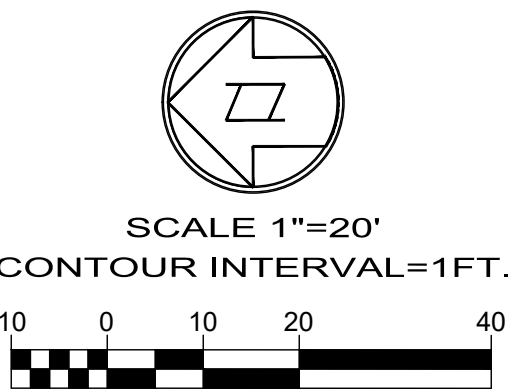
②② CONSTRUCT 6" HIGH BLOCK WALL TO LIMITS SHOWN. UNDER SEPARATE PERMIT.

③③ PLANTER AREA. REFER TO ARCHITECTURAL PLANS FOR LANDSCAPE INFO.

④④ EXTENDED FOOTING. REFER TO ARCHITECTURAL FOUNDATION PLAN FOR DETAIL.



SECTION 'D'



WDID# 6B36C401591



BENCHMARK:
U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE. 6.3 FT NORTH OF A SECTION MARKER PIPE. 0.6 FT EAST OF A WITNESS POST. ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

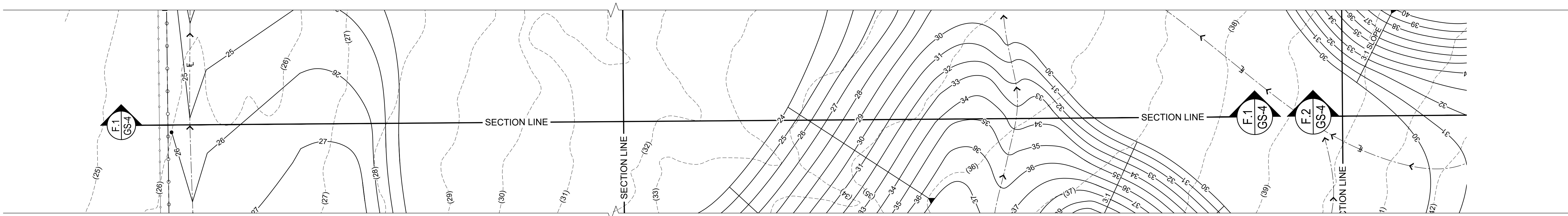
NO.	REVISION	DATE	BY



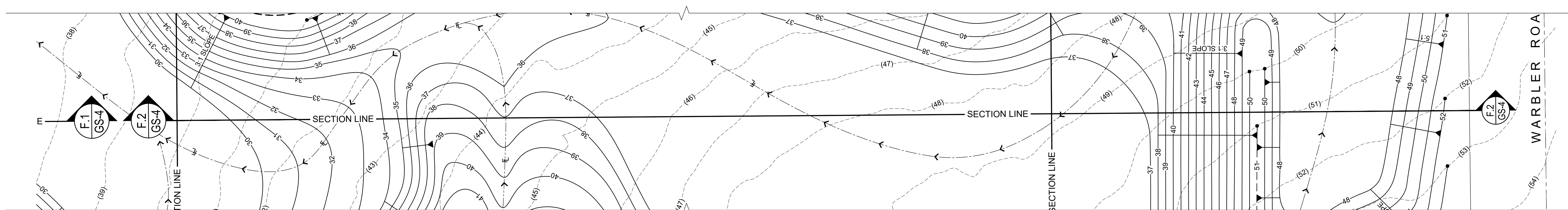
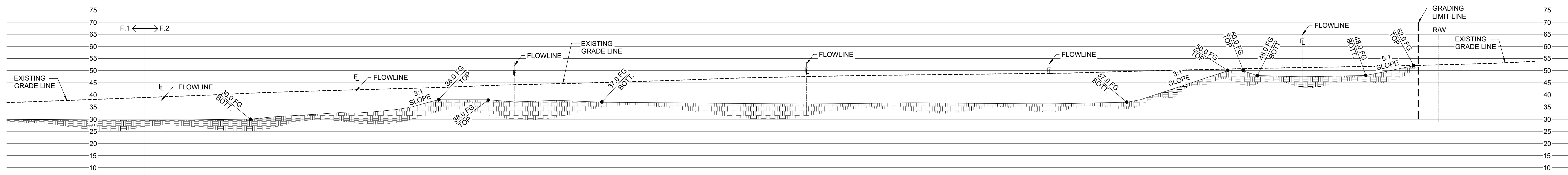
PLANS PREPARED BY:
TRLS ENGINEERING Inc.
10770 I AVENUE, SUITE 108
Hesperia, CA 92345
For Reference Only

THE PLANS AND DETAILS HAVE BEEN
REVIEWED
FOR CODE COMPLIANCE
THE REVIEW OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR ANY VIOLATION OF ANY CODE OR ORDINANCE OF THIS COUNTY.
By: *William Hensley*
Date: 12/16/2024
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUIRED INSPECTIONS

• GRAD-2021-00235 • PRAA-2021-00040 • DRNSTY-2021-00054	• SIP-2021-00031 • NEWNR-2021-00230 • WQMP-2021-00153
DRAWN BY: TRLS DATE: 09-04-2024 DESIGNED BY: TER DATE: APPROVED BY: DATE:	PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18)
SCALE: AS SHOWN SHEET 12 OF 25 SHEET GS-3	SECTIONS



SECTION 'F.1'



SECTION 'F.2'



WDID# 6B36C401591

- | | | |
|---|--|--------------------|
| DRAWN BY:
TRLS
DATE:
09-04-2024
DESIGNED BY:
TER
DATE:
- | PHELAN PINON HILLS
COMMUNITY SERVICES DISTRICT
CIVIC CENTER DEVELOPMENT
PHASE 1 | SCALE:
AS SHOWN |
| | 9535 SHEEP CREEK RD, PHELAN, CA. 92329
(APN: 3066-261-10 & 3066-251-18) | SHEET
13 OF 2 |

SECTIONS

SCALE:
AS SHOWN

SHEET
13 OF 25

SHEET
GS-4



BENCHMARK:

U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD, 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD, 34 FT EAST OF THE CENTER LINE OF JOHNSON RD, 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD, 6.6 FT WEST OF A FENCE, 6.3 FT NORTH OF A SECTION MARKER PIPE, 0.6 FT EAST OF A WITNESS POST, ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

NO.	REVISION	DATE	BY



JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

PLANS PREPARED BY:

TRLS ENGINEERING Inc.

10770 I AVENUE, SUITE 108
Hesperia, CA 92345

For Reference Only



THE PLANS AND DETAILS HAVE BEEN

REVIEWED
FOR CODE COMPLIANCE

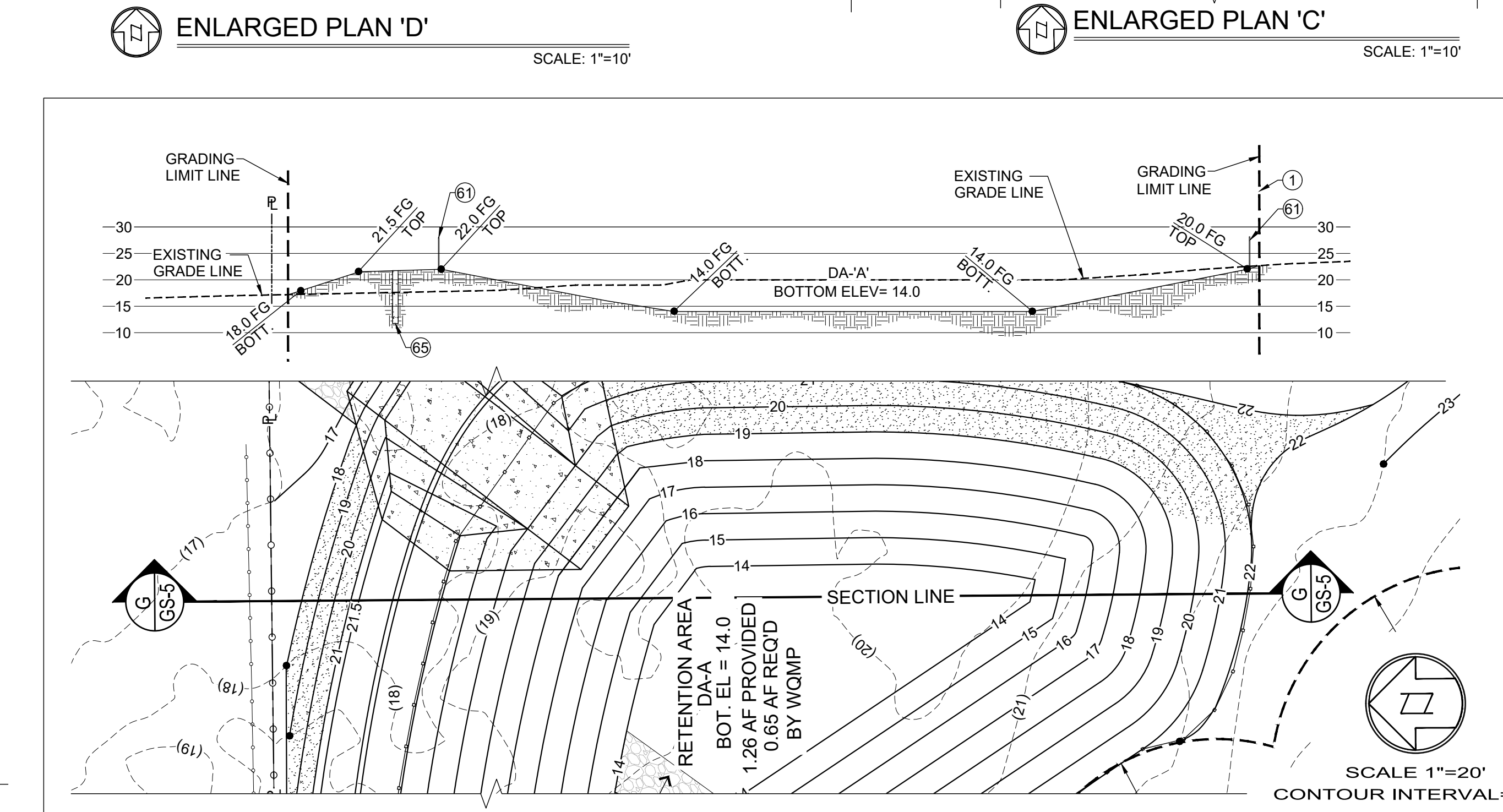
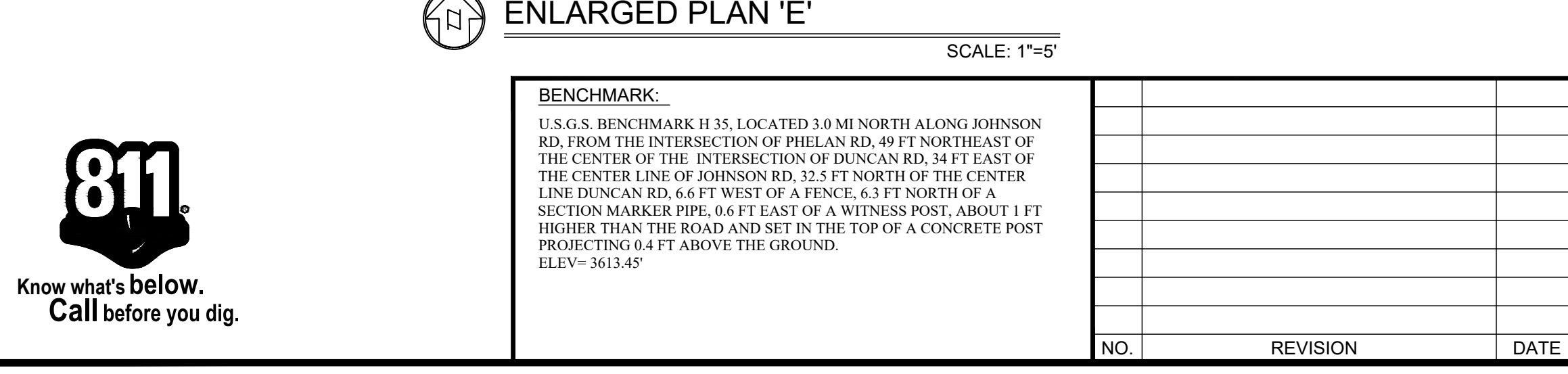
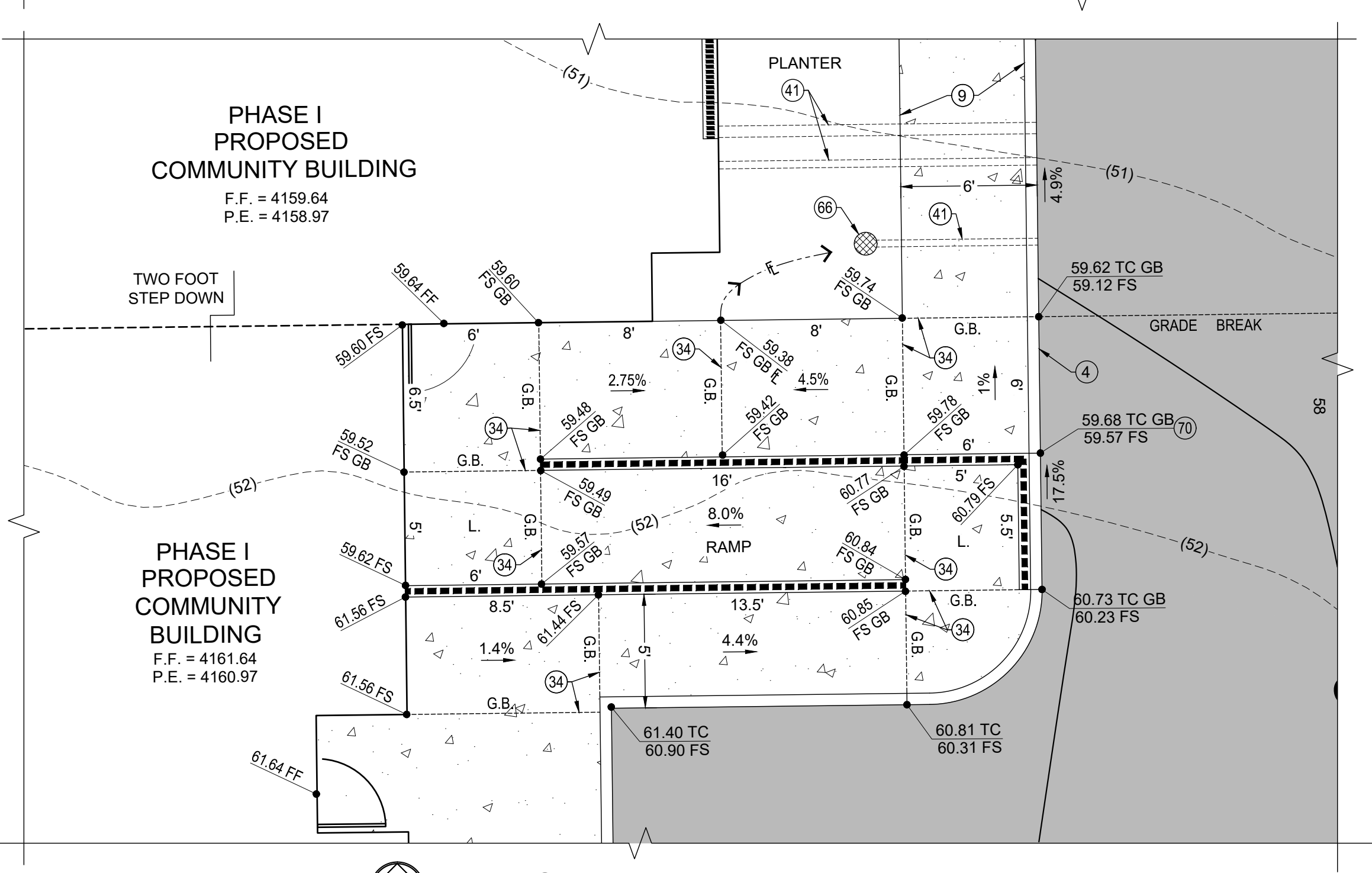
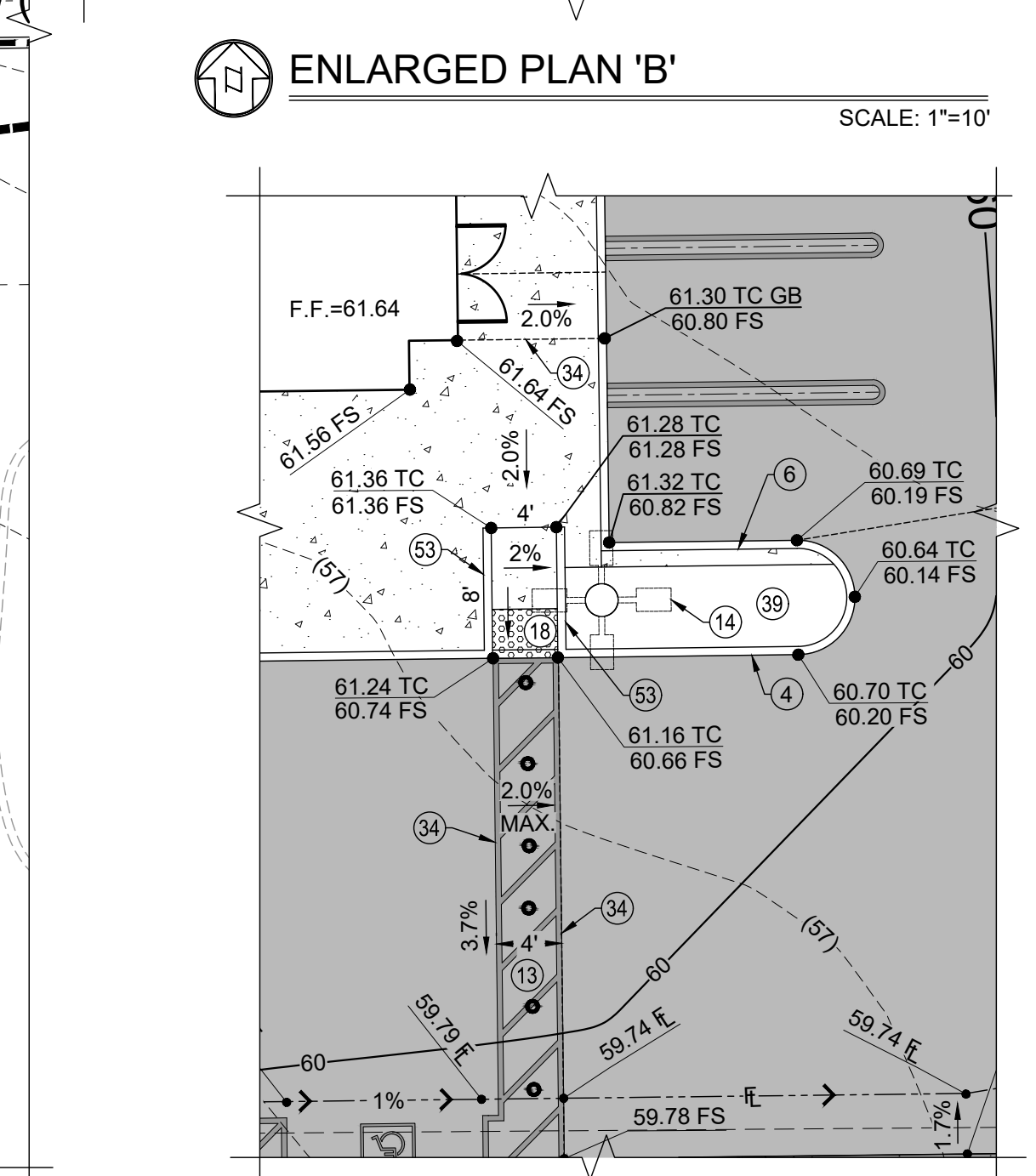
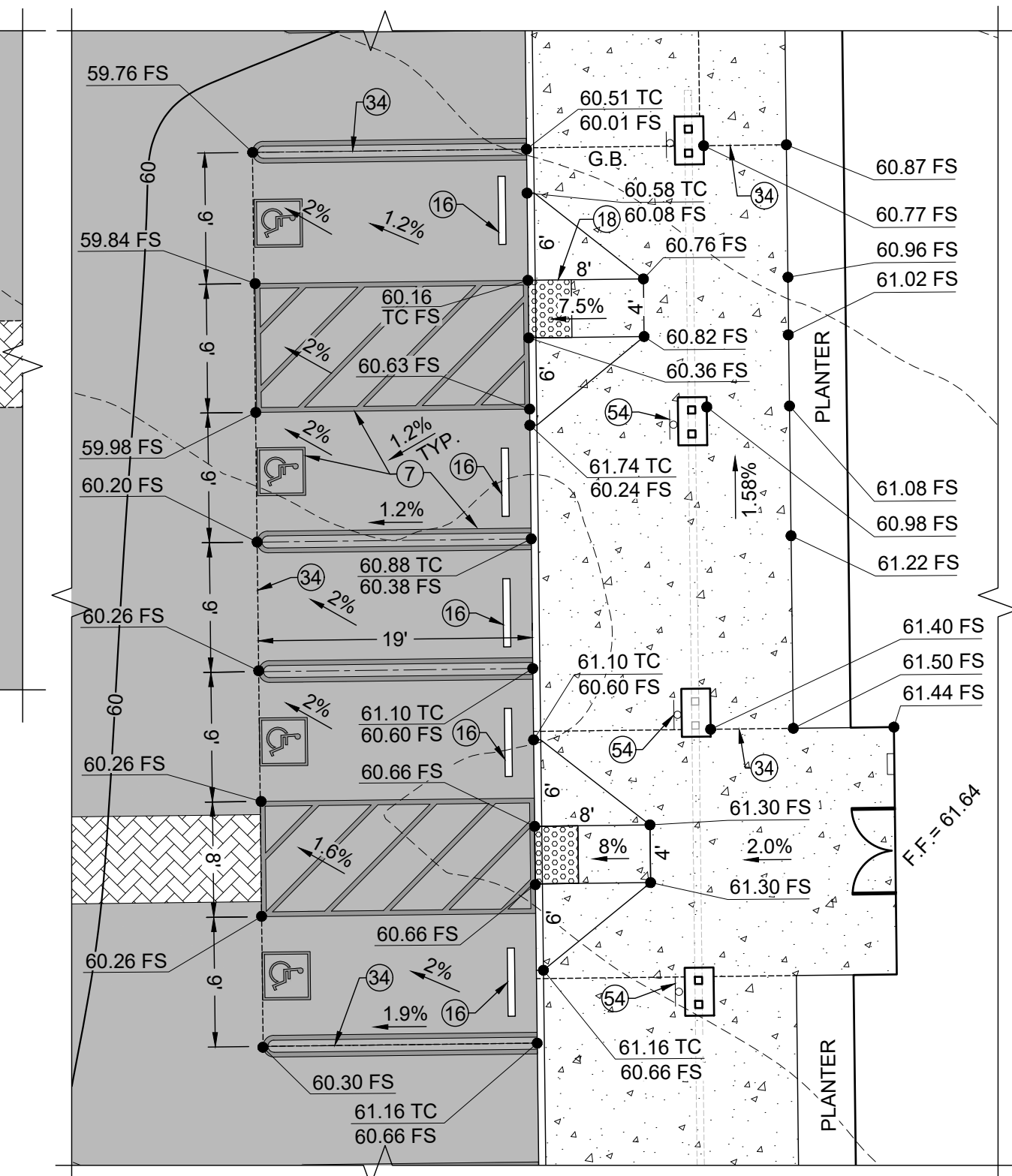
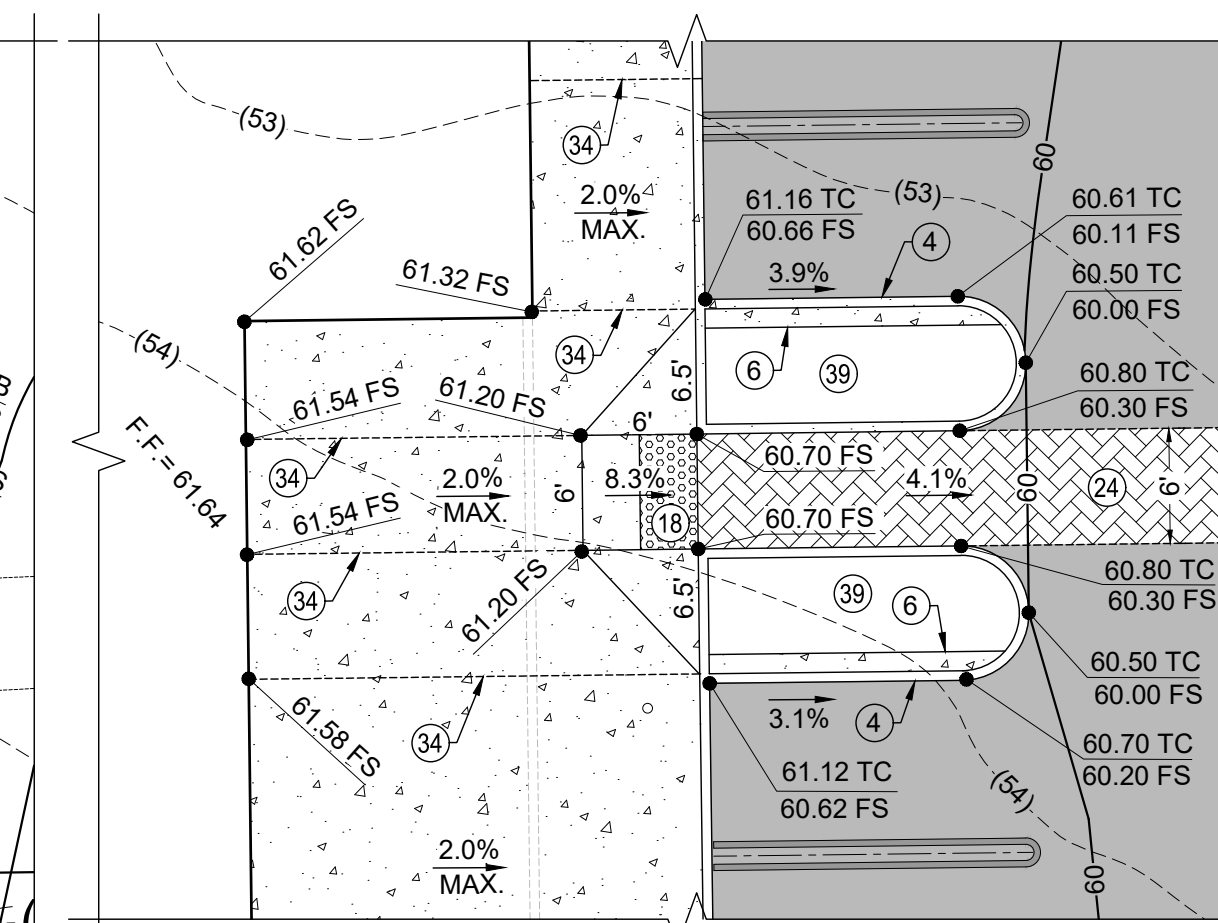
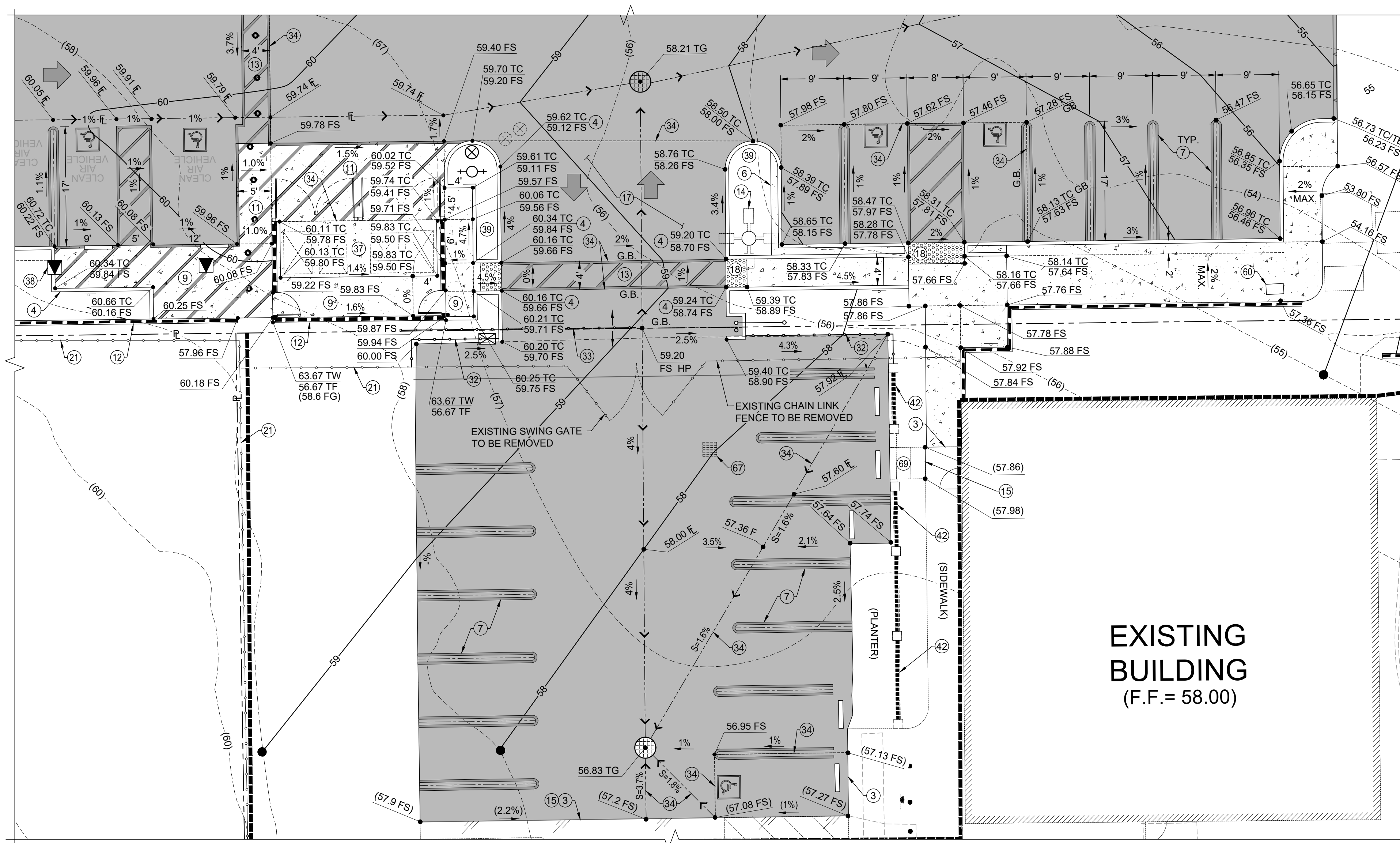
THE REVIEW OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT
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By: William Henning
Date: 12/16/2024

THESE PLANS SHALL BE ON THE JOB FOR ALL REQUIRED INSPECTIONS

Land Development

B.HEMSLEY@LUS.SBCOUNTY.GOV
(800) 687-4547



- CONSTRUCTION NOTES**
- PHASE 1 GRADING LIMITS.
 - MATCH EXISTING.
 - CONSTRUCT A1-6 HIGH CONCRETE CURB PER SPPWC STD. 120-2.
 - CONSTRUCT 12" WIDE CONCRETE WALK AT BACK OF CURB PER DETAIL "A" SHOWN ON SHEET G-3.
 - INSTALL PAINT STRIPING AND SYMBOLS PER ARCHITECTURAL PLAN.
 - CONSTRUCT 4" THICK CONCRETE SIDEWALK TO LIMITS SHOWN. CROSS SLOPE TO BE 2.0% MAX.
 - CONSTRUCT 6" THICK CONCRETE PAVEMENT TO LIMITS SHOWN
 - CONSTRUCT 8" BLOCK RETAINING WALL TO LIMITS SHOWN.
 - INSTALL 4' WIDE ADA PATH OF TRAVEL WITH STRIPING TO LIMITS SHOWN (CROSS SLOPE MAX = 1.75%)
 - INSTALL PARKING AREA LIGHT STANDARD PER ARCHITECTURAL PLAN.
 - SAWCUT LINE.
 - INSTALL 4' LONG CONCRETE WHEEL STOP. REFER TO ARCHITECTURAL PLAN.
 - INSTALL 4" AC PAVEMENT OVER 5" CLASS II BASE TO LIMITS SHOWN.
 - INSTALL TRUNCATED DOME PER ARCHITECTURAL PLAN.
 - PROTECT EXISTING FENCE IN PLACE.
 - CONSTRUCT 6' WIDE ADA PATH OF TRAVEL. DECORATIVE PAVERS PER ARCHITECTURAL PLAN.
 - INSTALL 6' HIGH CHAINLINK FENCE TO LIMITS SHOWN.
 - INSTALL 38" WIDE ELECTRICAL POWERED ROLLING GATE (REFER TO ARCHITECTURAL PLAN).
 - GRADE BREAK LINE.
 - INSTALL EV CHARGING STATION PEDESTAL. REFER TO ARCHITECTURAL PLAN.
 - PLANTER AREA. REFER TO ARCHITECTURAL PLANS FOR LANDSCAPE INFO.
 - UNDER SIDEWALK DRAIN.
 - PROTECT IN PLACE.
 - CONSTRUCT VARIABLE HEIGHT 0" TO 6" CURB TO LIMITS SHOWN.
 - INSTALL ADA PARKING SIGN PER ARCHITECTURAL PLAN.
 - INSTALL 6' HIGH DECORATIVE WROUGHT IRON FENCE TO LIMITS SHOWN.
 - CONSTRUCT 12" WIDE BASIN CORE WALL PER DETAIL THIS SHEET.
 - INSTALL LANDSCAPE DRAIN BOX.
 - REMOVE TO A DEPTH OF 2' AND CAP.
 - EXISTING CONCRETE STAIRS TO BE REMOVED.

WDID# 6B36C401591



BENCHMARK:
U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTH-EAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE. 6.3 FT NORTH OF A SECTION MARKER PIPE. 0.6 FT EAST OF A WITNESS POST. ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

NO.	REVISION	DATE	BY

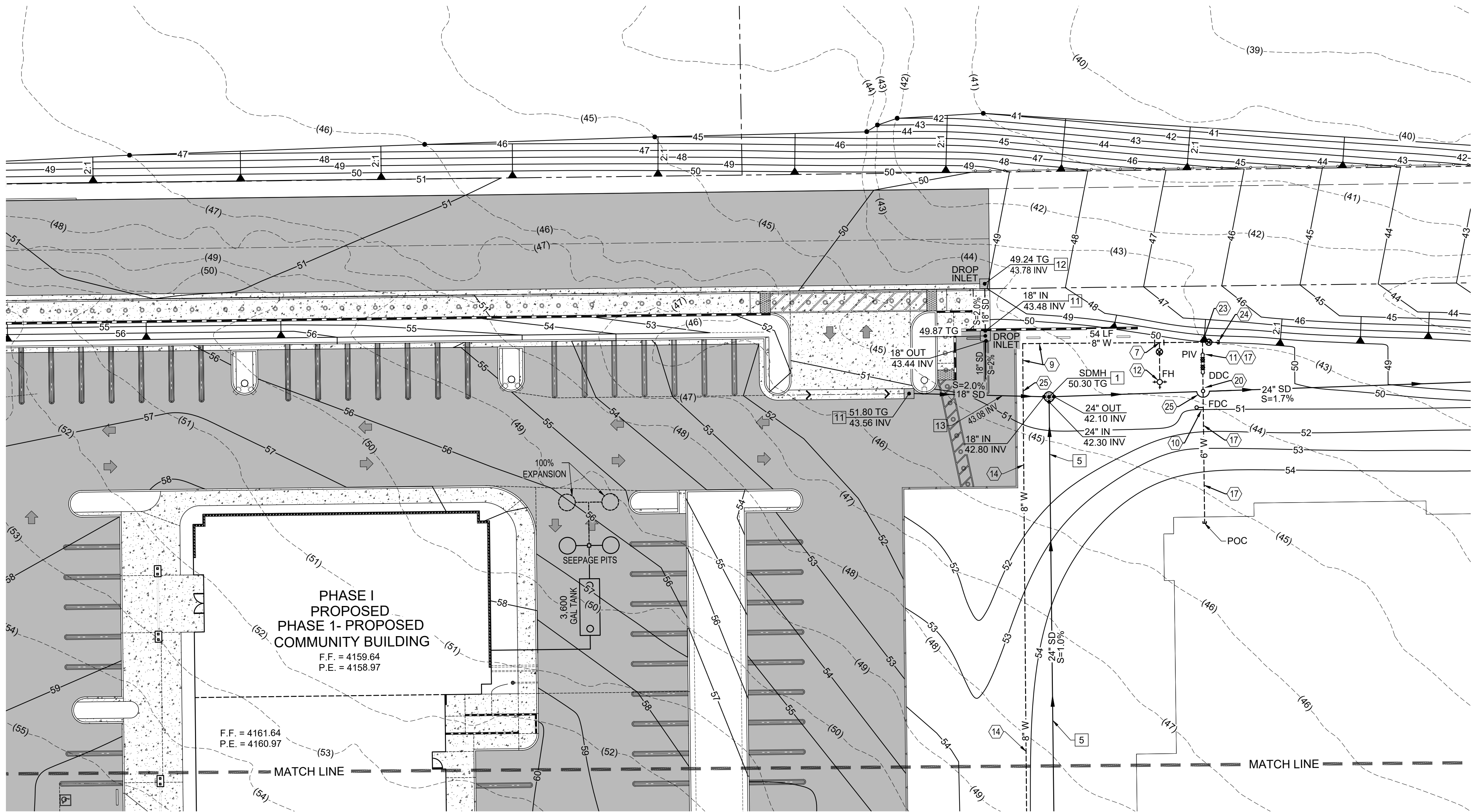
JERRY L. MILES
REGISTERED PROFESSIONAL ENGINEER
No. C 42593
Civil
JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

PLANS PREPARED BY:
TRLS ENGINEERING INC.
10770 I AVENUE, SUITE 108
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For Reference Only

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By: *William Hensley*
Date: 12/16/2024
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUIRED INSPECTIONS

<ul style="list-style-type: none"> GRAD-2021-00235 PRAA-2021-00040 DRNSTY-2021-00054 	<ul style="list-style-type: none"> SIP-2021-00031 NEWNR-2021-00230 WQMP-2021-00153
DRAWN BY: TRLS DATE: 09-04-2024 DESIGNED BY: [blank] DATE: [blank] APPROVED BY: [blank] DATE: [blank]	PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18) ENLARGED GRADING PLANS/ SECTIONS
SCALE: AS SHOWN	SHEET 14 OF 25
	SHEET GS-5

B.HEMSLEY@LUS.SBCOUNTY.GOV
(909) 387-4547



SAN BERNARDINO COUNTY FIRE DEPARTMENT
COMMUNITY SAFETY DIVISION
620 South 'E' Street
San Bernardino, CA 92415-0179
(909) 386-8400
FIRE PREVENTION STANDARD
POST INDICATOR VALVES AND FIRE DEPARTMENT CONNECTIONS

Standard Number
F-4
Revision Date:
3-22-16



SAN BERNARDINO COUNTY FIRE DEPARTMENT
COMMUNITY SAFETY DIVISION
620 South 'E' Street
San Bernardino, CA 92415-0179
(909) 386-8400
FIRE PREVENTION STANDARD
POST INDICATOR VALVES AND FIRE DEPARTMENT CONNECTIONS

Standard Number
F-4
Revision Date:
3-22-16

EXISTING SYSTEMS

- When additions or upgrades are made to existing buildings with automatic sprinkler systems, the PIVs and FDCs shall conform to this standard when required by the fire code official.
- Existing breakaway caps on Fire Department Connections shall be replaced with threaded plugs and chains when deemed necessary by the fire code official.
- Existing Fire Department Connections that are vandalized or removed shall comply with this standard when replaced.

DIAGRAM F-4-1: PIV AND FDC PROTECTION

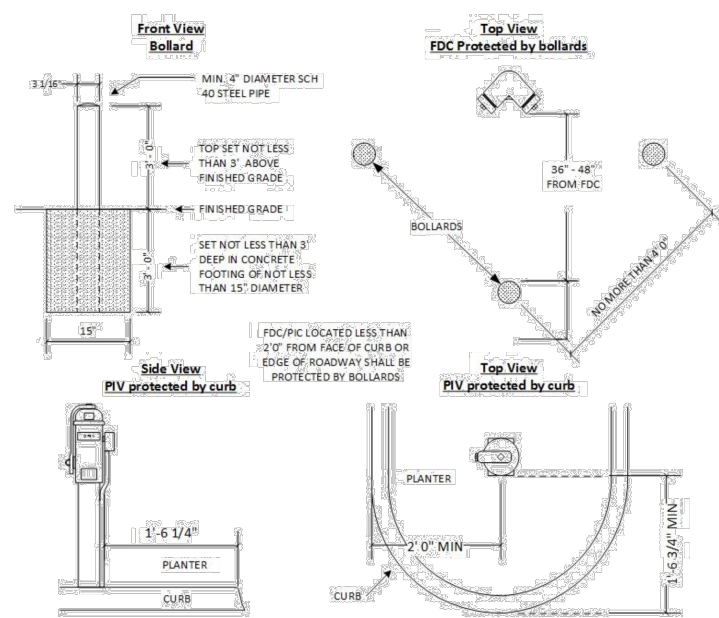
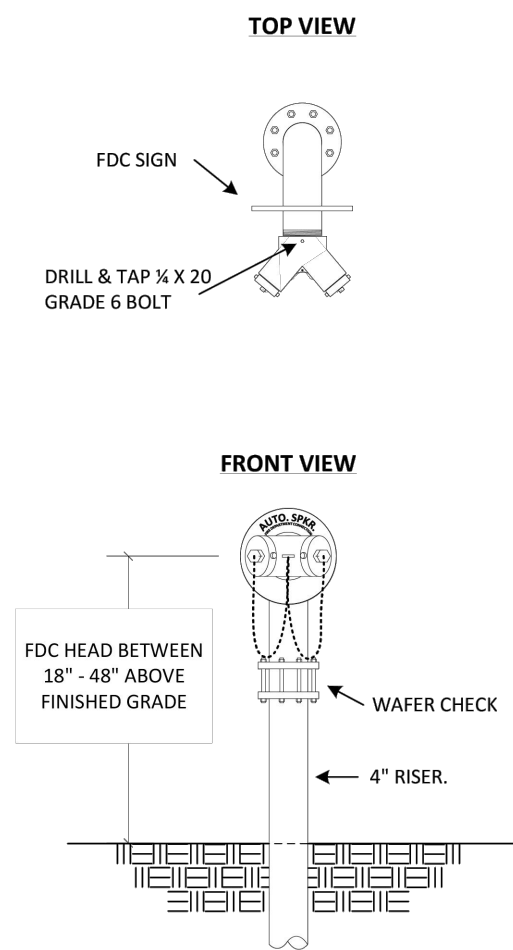


DIAGRAM F-4-2: SINGLE 4" X 2 1/2" X 2 1/2" FDC DETAIL

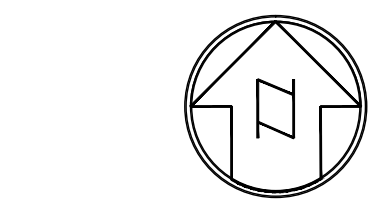


UTILITY NOTES- STORM DRAIN

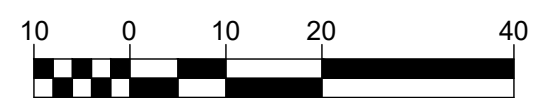
- INSTALL 5' DIA CONCRETE MANHOLE WITH 36" TRAFFIC RATED GRATE WITH FLOGARD 36" INSERT FILTER OR APPROVED EQUAL. SEE SHEET UD-1.
- INSTALL 24" ADS N-12 ST IB PIPE PER ASTM F2648 TO THE LIMITS SHOWN.
- INSTALL OLDCASTLE 2'-3" WIDE X 3'-3" LONG MODEL A147 CATCH BASIN INLET AND GRATE WITH FLOGARD DEBRIS BASKET AND FILTER OR APPROVED EQUAL. SEE SHEET UD-1.
- INSTALL 2' X 3' CATCH BASIN BASES AND RISER PER OLDCASTLE UT-OGD WITH FLOGARD DEBRIS BASKET AND FILTER OR APPROVED EQUAL. SEE SHEET UD-1.
- INSTALL 18" STORM DRAIN TEE.

UTILITY NOTES- WATER

- INSTALL 6" PVC C900 CLASS 200 WATER PIPELINE TO LIMITS SHOWN.
- INSTALL 45° BEND.
- INSTALL SINGLE FIRE DEPARTMENT CONNECTION (FDC) PER SAN BERNARDINO COUNTY FIRE DEPARTMENT STD. F-4 SHEET U-2.
- INSTALL POST INDICATOR VALVE PER SBCO FIRE DEPT. F-4 SHEET U-2.
- INSTALL FIRE HYDRANT PER PPHCSD STDS. W-3
- INSTALL 8" PVC C900, CLASS 200 WATER PIPELINE PER PPHCSD STDS. WITH RESTRAINED JOINTS AND FITTINGS.
- INSTALL 6" DIA. C151/A21.51 PRESSURE CLASS 200 WATER PIPELINE WITH RESTRAINED JOINTS PER PPHCSD STDS. TO LIMITS SHOWN.
- INSTALL BLOWOFF FIRE HYDRANT PER PPHCSD STD. W-4.
- POINT OF CONNECTION. REMOVE EXISTING END CAP AND THRUST BLOCK AND CONNECT TO EXISTING 8" WATER PIPELINE.
- INSTALL 8" X8" X 6" TEE.
- INSTALL 8" VALVE WITH 5 LF OF 8" WATER LINE WITH END CAP. END OF WATER PIPELINE CONSTRUCTION PHASE 1.
- PROPOSED UTILITY CROSSING. (WATER MAIN TO MAINTAIN A CLEARANCE OF 12" MIN. ABOVE STORM DRAIN).



SCALE 1"=20'
CONTOUR INTERVAL=1FT.



WDID# 6B36C401591

- GRAD-2021-00235
- PRAA-2021-00040
- DRNSTY-2021-00054
- SIP-2021-00031
- NEWNR-2021-00230
- WQMP-2021-00153

DRAWN BY:
TER
DATE:
09-04-2024
DESIGNED BY:
DATE:
APPROVED BY:
DATE:
PHELAN PINON HILLS
COMMUNITY SERVICES DISTRICT
CIVIC CENTER DEVELOPMENT
PHASE 1
9535 SHEEP CREEK RD. PHELAN, CA. 92329
(APN: 3066-261-10 & 3066-251-18)
UTILITY PLAN
SCALE:
AS SHOWN
SHEET
16 OF 25
SHEET
U-2



Know what's below.
Call before you dig.

BENCHMARK:

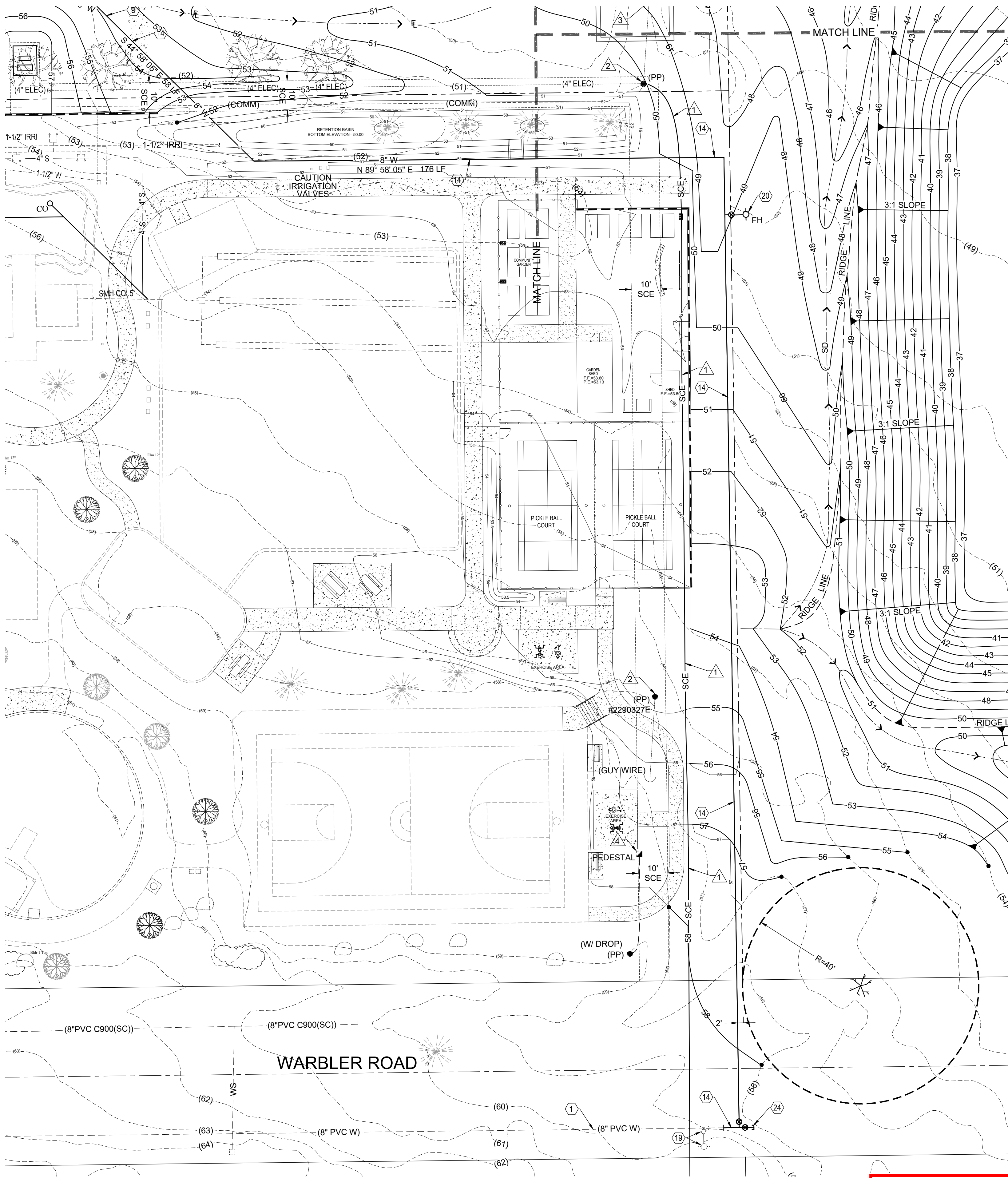
U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD. 34 FT EAST OF THE CENTER LINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE, 6.3 FT NORTH OF A SECTION MARKER PIPE, 0.6 FT EAST OF A WITNESS POST, ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
ELEV= 3613.45'

NO.	REVISION	DATE	BY

JERRY L. MILES
No. C 42593
Civil
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

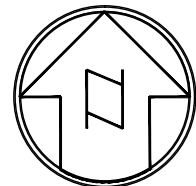
PLANS PREPARED BY:
TRLS ENGINEERING Inc.
10770 I AVENUE, SUITE 108
Hesperia, CA 92345
For Reference Only

THE PLANS AND DETAILS HAVE BEEN
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FOR CODE COMPLIANCE
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By: *William Hemsley*
Date: 12/16/2024
THESE PLANS SHALL BE ON THE JOB FOR ALL REQUIRED INSPECTIONS
Land Development
B.HEMSLEY@LUS.SBCOUNTY.GOV
(909) 387-4547



- UTILITY NOTES- WATER**
- 1 EXISTING 8" WATER MAIN TO BE PROTECTED IN PLACE.
 - 8 NOT USED
 - 9 INSTALL 45° BEND.
 - 14 INSTALL 8" PVC C900, CLASS 200 WATER PIPELINE PER PPHCSD STDS. WITH RESTRAINED JOINTS AND FITTINGS.
 - 15 INSTALL 8" TEE WITH 3- VALVES PER PPHCSD STDS.
 - 19 FIRE HYDRANT AND WATER METER TO BE RELOCATED PER STREET IMPROVEMENT PLANS BY OTHERS.
 - 20 INSTALL BLOWOFF FIRE HYDRANT PER PPHCSD STD. W-4.
 - 24 INSTALL 8" VALVE WITH 5 LF OF 8" WATER LINE WITH END CAP. END OF WATER PIPELINE CONSTRUCTION PHASE 1.

- UTILITY NOTES- ELECTRICAL**
- 1 PROPOSED UNDERGROUND SCE BY OTHERS.
 - 2 EXISTING POWER POLE TO BE REMOVED BY OTHERS.
 - 3 EXISTING GUY WIRE ANCHOR TO BE REMOVED BY OTHERS.
 - 4 EXISTING PEDESTAL TO BE REMOVED BY OTHERS.




SCALE 1"=20'
CONTOUR INTERVAL=1FT.
10 0 10 20 40

WDID# 6B36C401591

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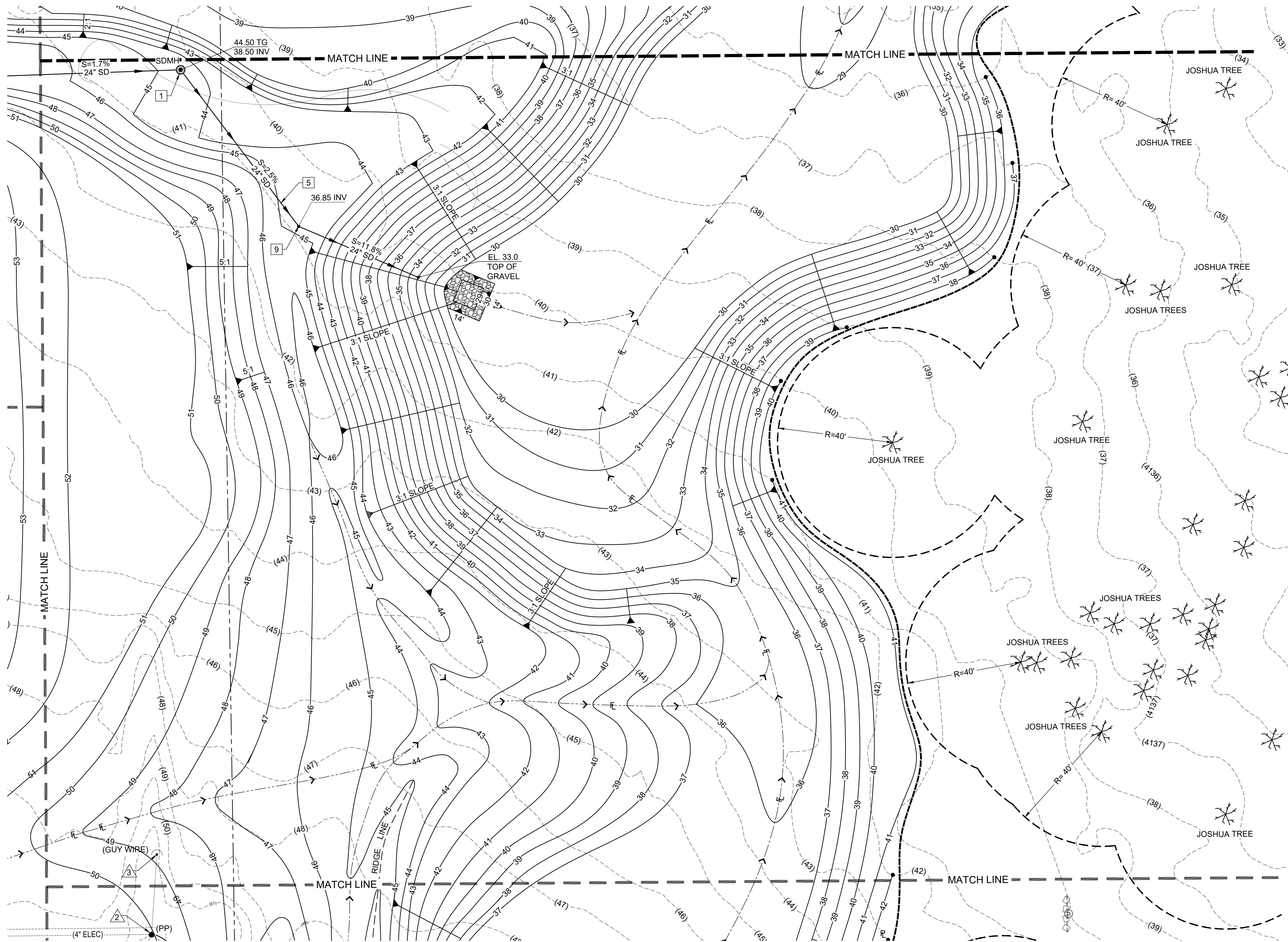

JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

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DRAWN BY: TER DATE: 09-04-2024	PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18)	SCALE: AS SHOWN SHEET 17 OF 25 SHEET U-3
DESIGNED BY: DATE:		
APPROVED BY: DATE:	UTILITY PLAN	

811
Know what's below.
Call before you dig.



UTILITY NOTES- WATER

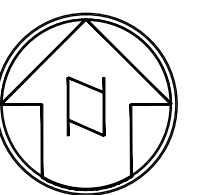
- 14) INSTALL 8" PVC C900, CLASS 200 WATER PIPELINE PER PPHCSD STDS. WITH RESTRAINED JOINTS AND FITTINGS.

UTILITY NOTES- STORM DRAIN

- 1) INSTALL 5' DIA CONCRETE MANHOLE WITH 36" TRAFFIC RATED GRATE WITH FLOGARD 36" INSERT FILTER OR APPROVED EQUAL. SEE SHEET UD-1.
- 5) INSTALL 24" ADS N-12 ST 1B PIPE PER ASTM F2648 TO THE LIMITS SHOWN.
- 9) INSTALL 45° BEND.

UTILITY NOTES- ELECTRICAL

- 1) PROPOSED UNDERGROUND SCE BY OTHERS.
- 2) EXISTING POWER POLE TO BE REMOVED BY OTHERS.
- 3) EXISTING GUY WIRE ANCHOR TO BE REMOVED BY OTHERS.



SCALE 1"=20'
CONTOUR INTERVAL=1FT.



WDID# 6B36C401591

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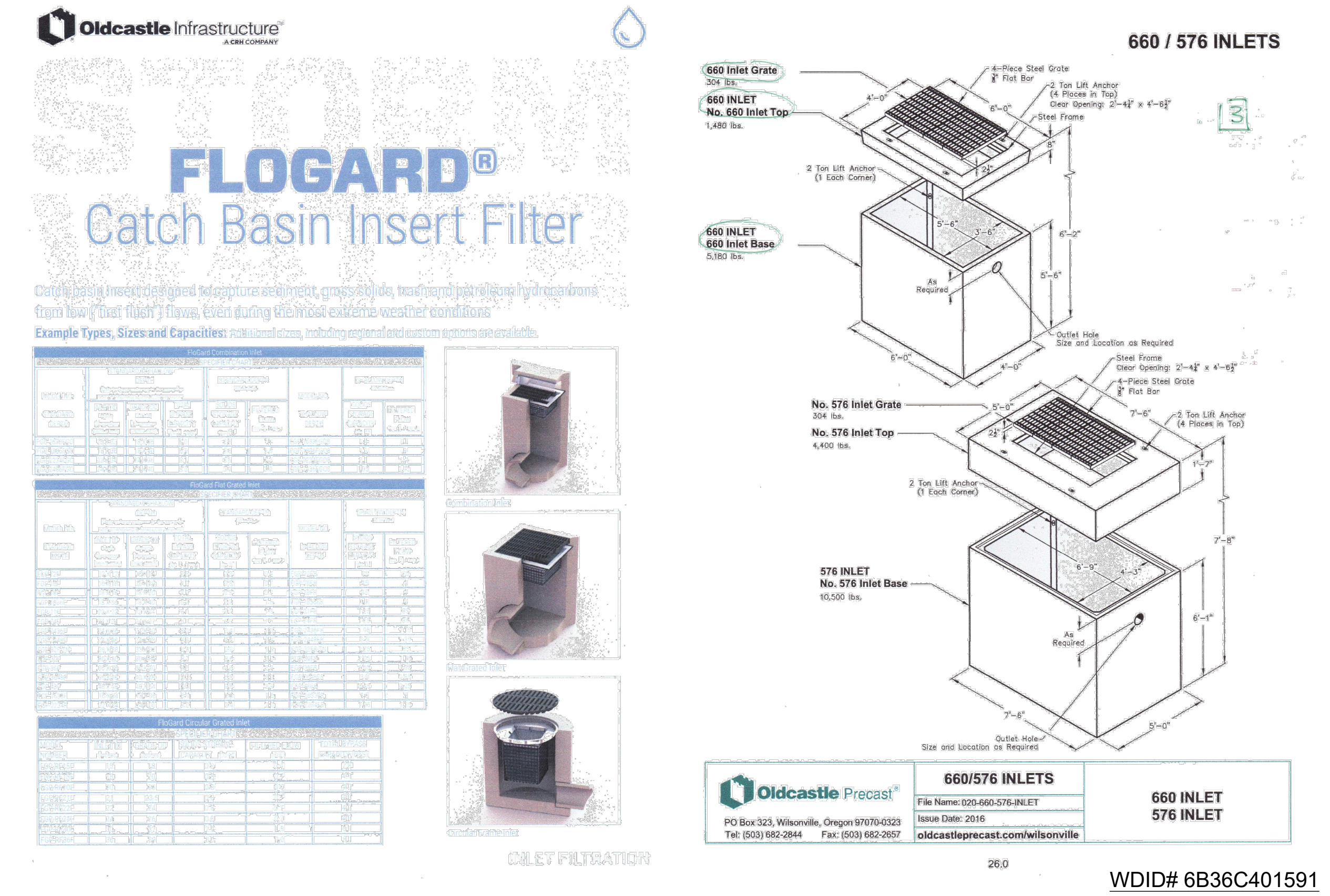
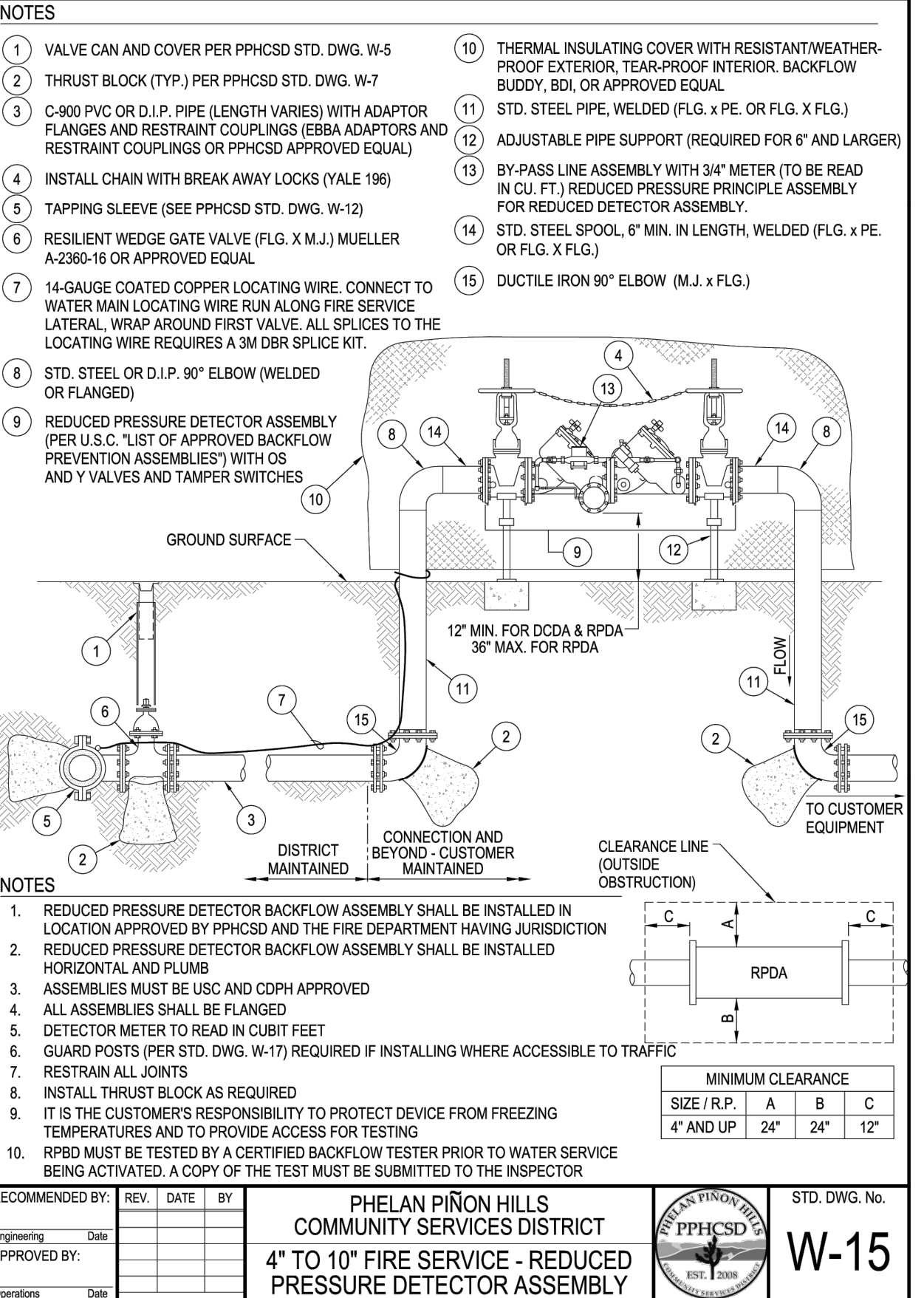
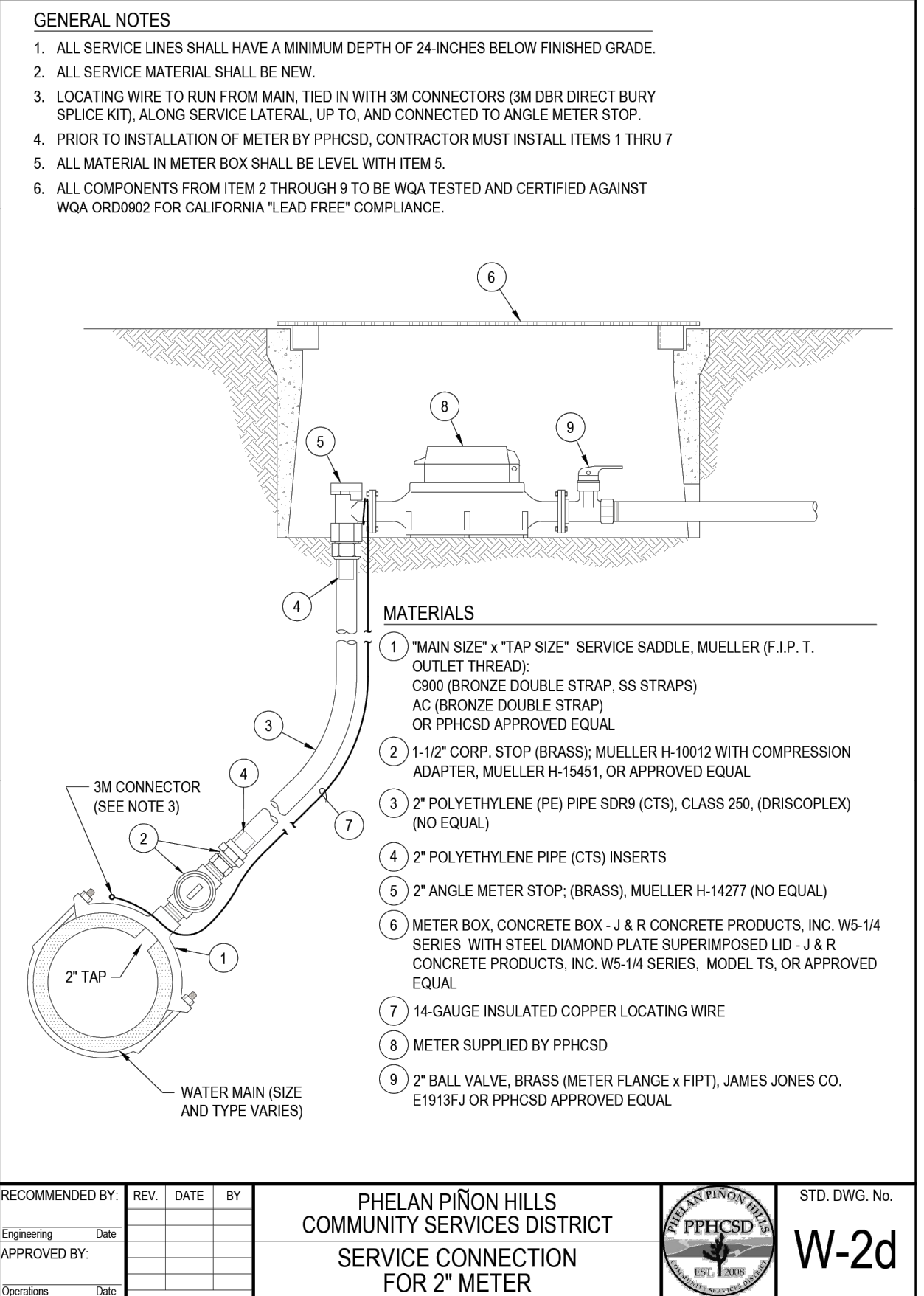
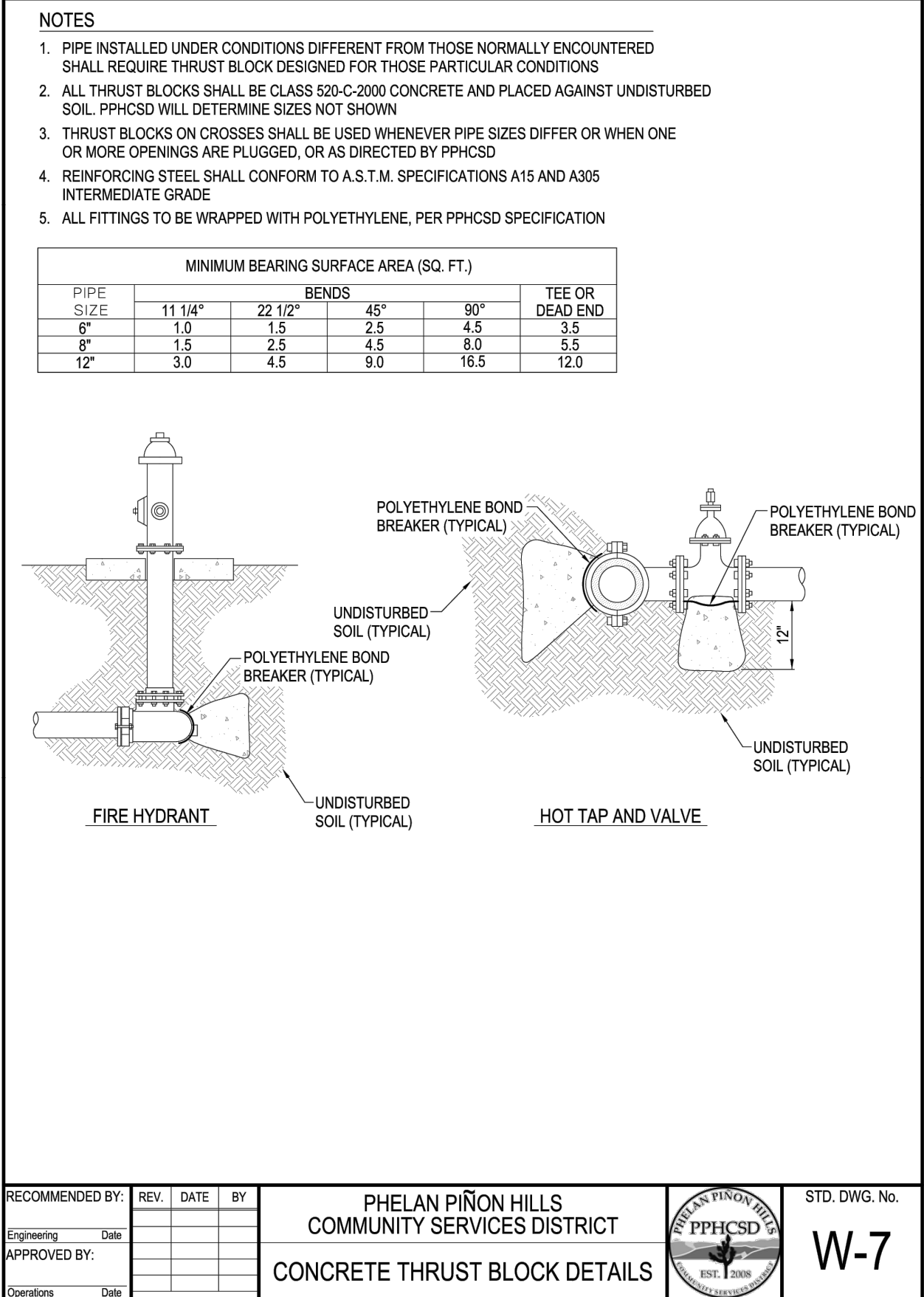
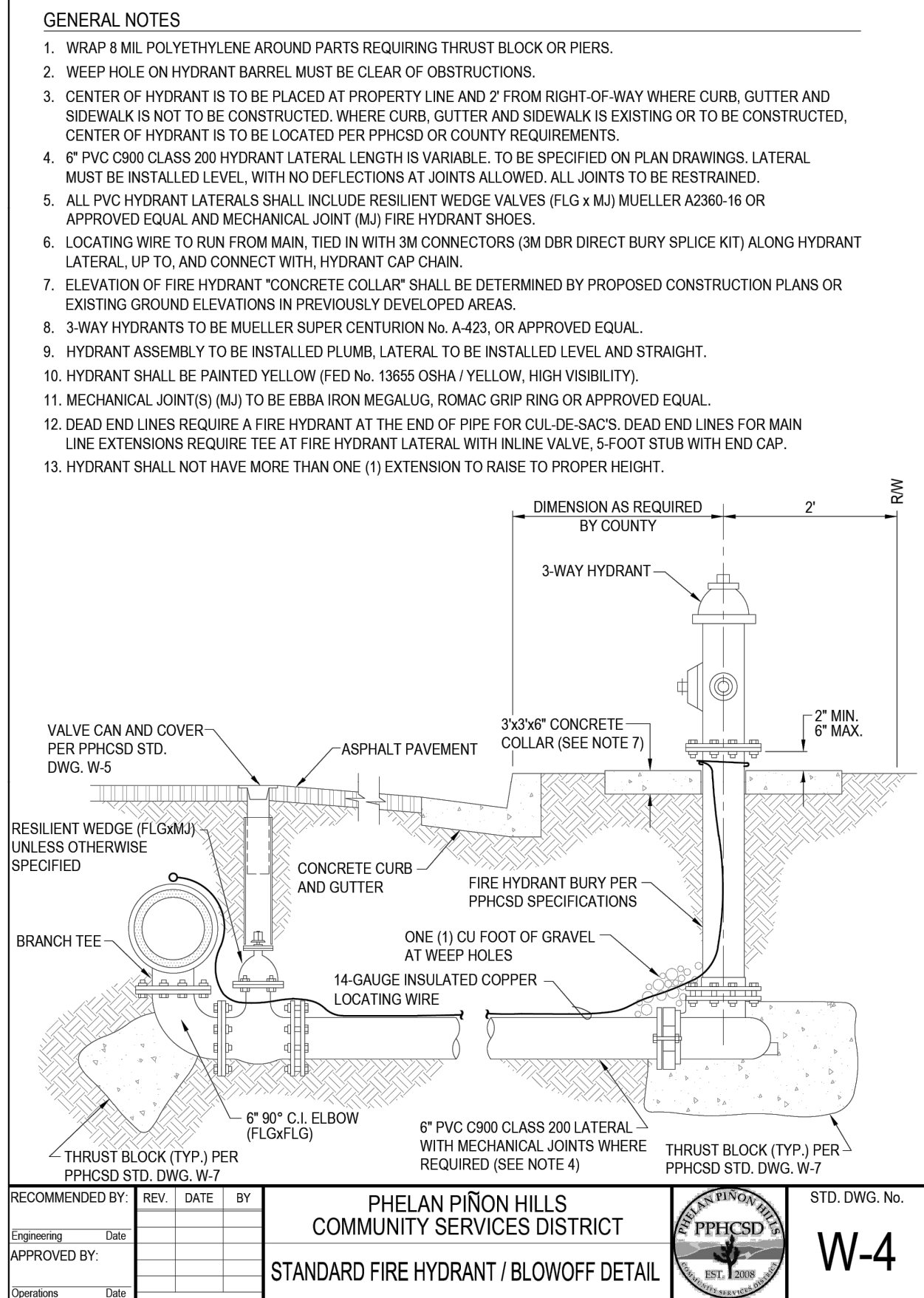
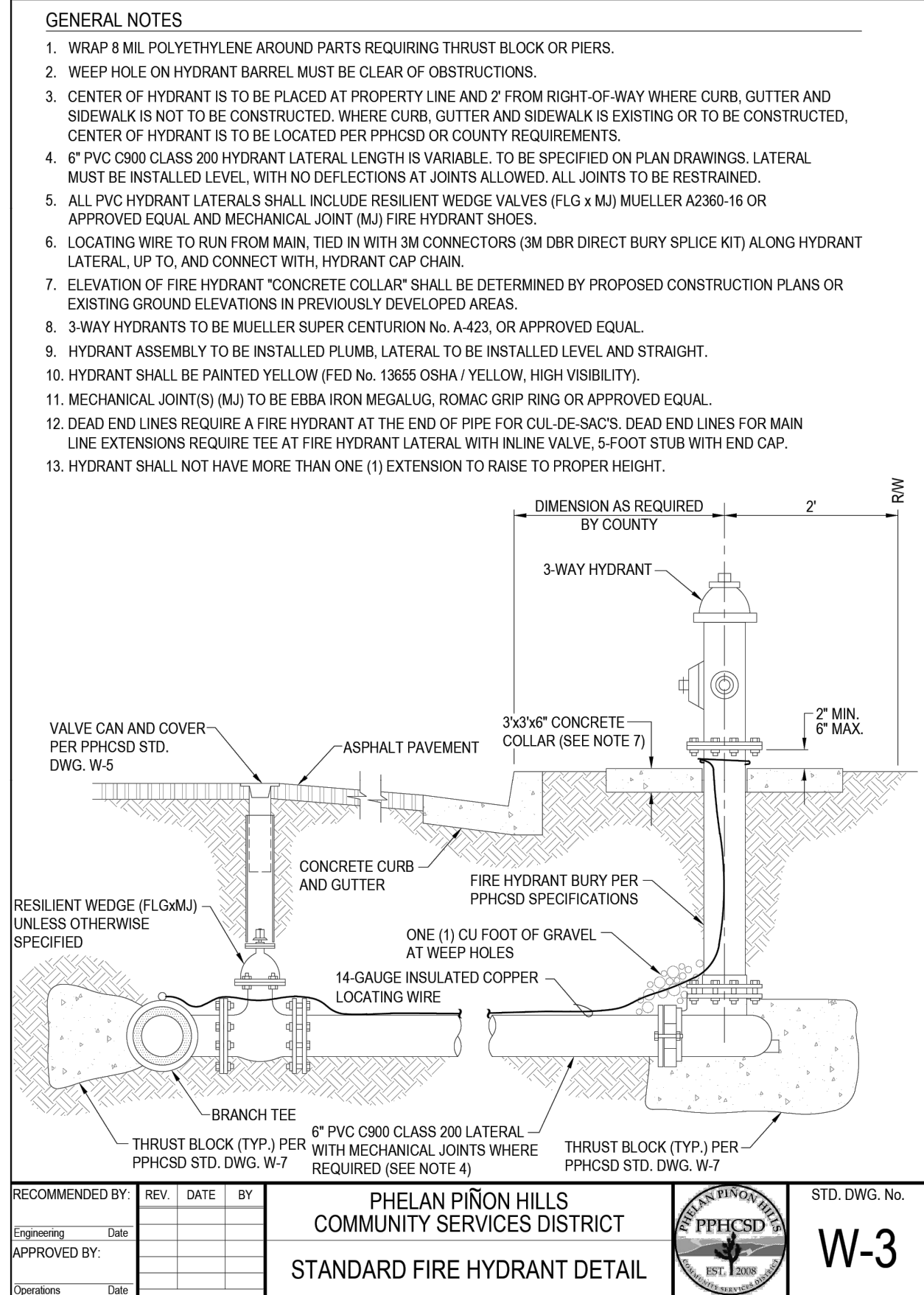
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B.HEMSLEY@LUS.SBCOUNTY.GOV
(909) 387-4547

• GRAD-2021-00235 • PRAA-2021-00040 • DRNSTY-2021-00054	• SIP-2021-00031 • NEWNR-2021-00230 • WQMP-2021-00153
DRAWN BY: TER DATE: 09-04-2024	PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18)
DESIGNED BY: DATE:	SCALE: AS SHOWN
APPROVED BY: DATE:	SHEET 18 OF 25
	SHEET U-4



Know what's below.
Call before you dig.



EROSION CONTROL CONSTRUCTION NOTES

- (A) INSTALL FIBER ROLLS PER CASQA DETAIL SE-5, DRAWING E2.
- (B) CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE/EXIT PER CASQA DETAIL TC-1, DRAWING E-2.
- (C) CONSTRUCT CONCRETE WASHOUT PER CASQA DETAIL WM-8, DRAWING E-2.
- (D) INSTALL SILT FENCE PER CASQA DETAIL SE-1, DRAWING E-2.
- (E) INSTALL SANDBAG BARRIER PER CASQA DETAIL SE-8, DRAWING E-2.
- (F) CONTRACTOR TO PROVIDE DUST CONTROL ON A DAILY BASIS BY WATERING.
- (G) PROVIDE STREET SWEEPING PER CASQA DETAIL SE-7 DRAWING E-5.
- (H) CONTRACTOR TO INSTALL BONDED FIBER MATRIX TO ALL UNDEVELOPED AREAS UPON COMPLETION OF GRADING PER SECTION 21-2.02J OF THE 2022 CALTRANS STANDARD SPECIFICATIONS- SEE THIS SHEET.

CALTRANS STANDARD SPECIFICATION

21-2.02J Bonded Fiber Matrix

Bonded fiber matrix must be a hydraulically-applied material composed of fiber and tackifier and may also include seed and fertilizer as shown.

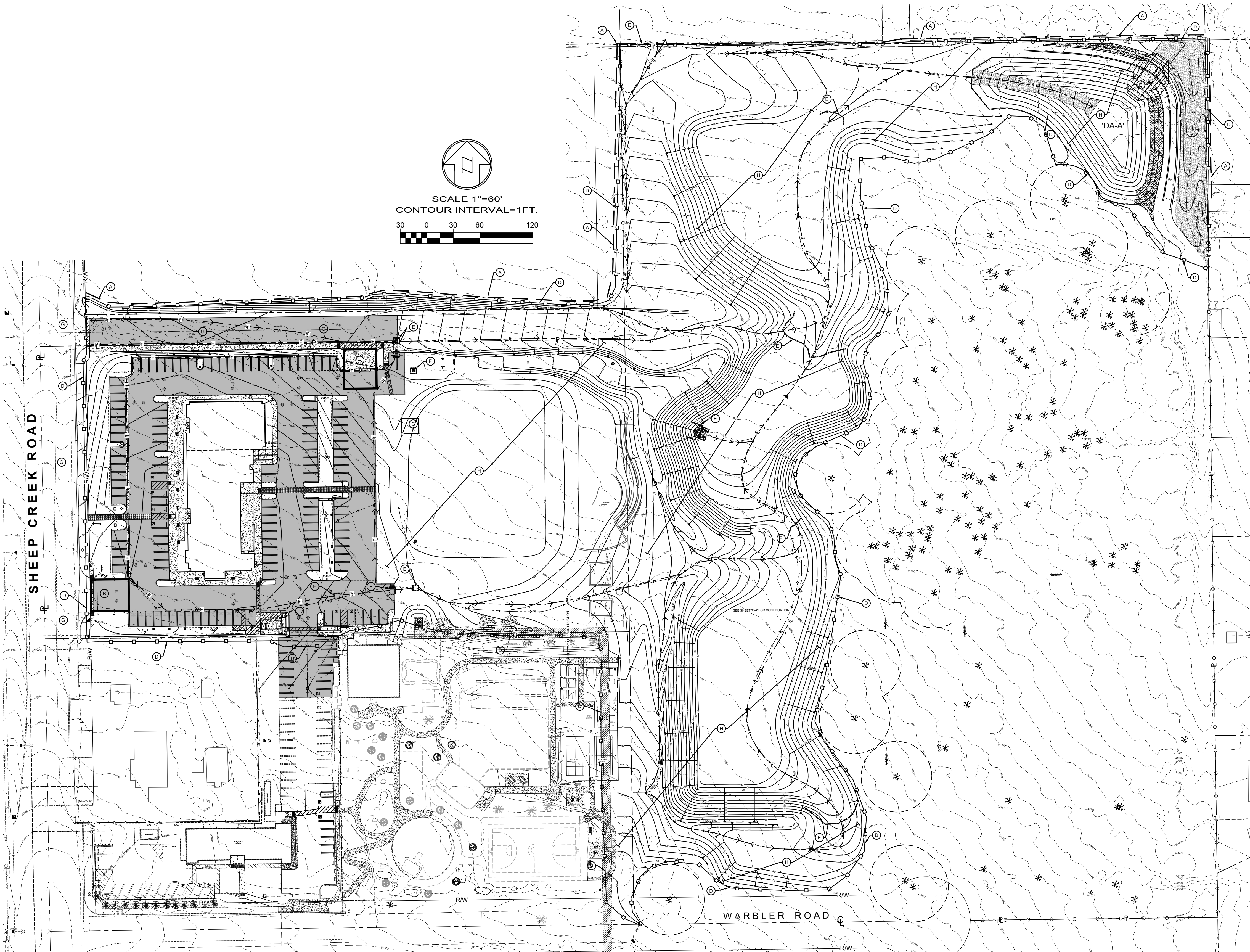
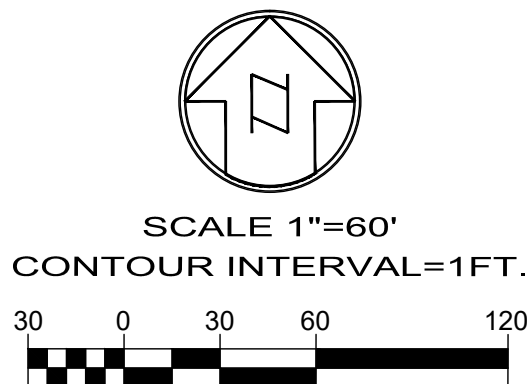
Fiber for bonded fiber matrix must be 100 percent wood fiber and comply with the specifications for fiber under section 21-2.02D, except that at least 50 percent is retained when passed through a no. 25 sieve.

Tackifier for bonded fiber matrix must:

- Be bonded to the fiber or prepackaged with the fiber by the manufacturer
- Contain a minimum of 10 percent of the combined weight of the dry fiber, activating agents, and additives
- Be an organic, high viscosity colloidal polysaccharide with activating agents or a blended hydrocolloid-based binder

COUNTY OF SAN BERNARDINO
- EROSION CONTROL NOTES

- IN CASE OF EMERGENCY, CALL PHELAN PINON HILLS COMMUNITY SERVICES DISTRICT AT (760) 868-1212.
- POLLUTION AND EROSION PREVENTION MEASURES, ALSO KNOWN AS BEST MANAGEMENT PRACTICES (BMP'S), MUST BE INSTALLED PRIOR TO GRADING. THESE MEASURES, INCLUDING THE PREVENTION OF SEDIMENTATION OR FLOOD DAMAGE, TO OFFSITE PROPERTY SHALL BE ADEQUATE WHETHER OR NOT AN EROSION CONTROL PERMIT IS REQUIRED.
- ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
- EROSION CONTROL DEVICES SHALL BE FUNCTIONING AT ALL TIMES. IN CASE OF FAILURE, RAPID CONSTRUCTION OF EMERGENCY DEVICES SHALL BE IMPLEMENTED.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- EXCESS OR WASTE CONCRETE MUST BE CONTAINED ONSITE. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ONSITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- DEVELOPERS/ CONTRACTORS ARE RESPONSIBLE TO ENSURE ALL EROSION CONTROL DEVICES AND BMP'S ARE INSTALLED AND FUNCTIONING PROPERLY PER PLAN. PROPER PRECAUTION SHALL BE CONSIDERED WHEN 50% OR GREATER PROBABILITY OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL.
- TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
- ALL STORM WATER CAPTURE DEVICES SHALL BE PROTECTED AT ALL TIMES.



WDID# 6B36C401591

- GRAD-2021-00235
- PRAA-2021-00040
- DRNSTY-2021-00054
- SIP-2021-00031
- NEWNR-2021-00230
- WQMP-2021-00153

DRAWN BY: TERLS DATE: 09-04-2024	DISTRICT: CIVIC CENTER DEVELOPMENT PHASE 1 9535 SHEEP CREEK RD. PHELAN, CA. 92329 (APN: 3066-261-10 & 3066-251-18)	SCALE: AS SHOWN
DESIGNED BY: TERLS DATE:		SHEET 21 OF 25
APPROVED BY: DATE:	EROSION CONTROL PLAN	SHEET E-1

PLANS PREPARED BY:

TERLS ENGINEERING Inc.

10770 I AVENUE, SUITE 108
Hesperia, CA 92345

For Reference Only



JERRY L. MILES R.C.E. 42593 - EXP. 3/31/26

NO.	REVISION	DATE	BY

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By: *William Hemslay*

Date: 12/16/2024

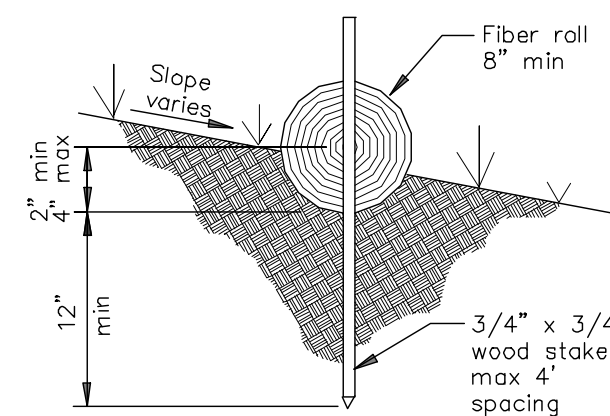
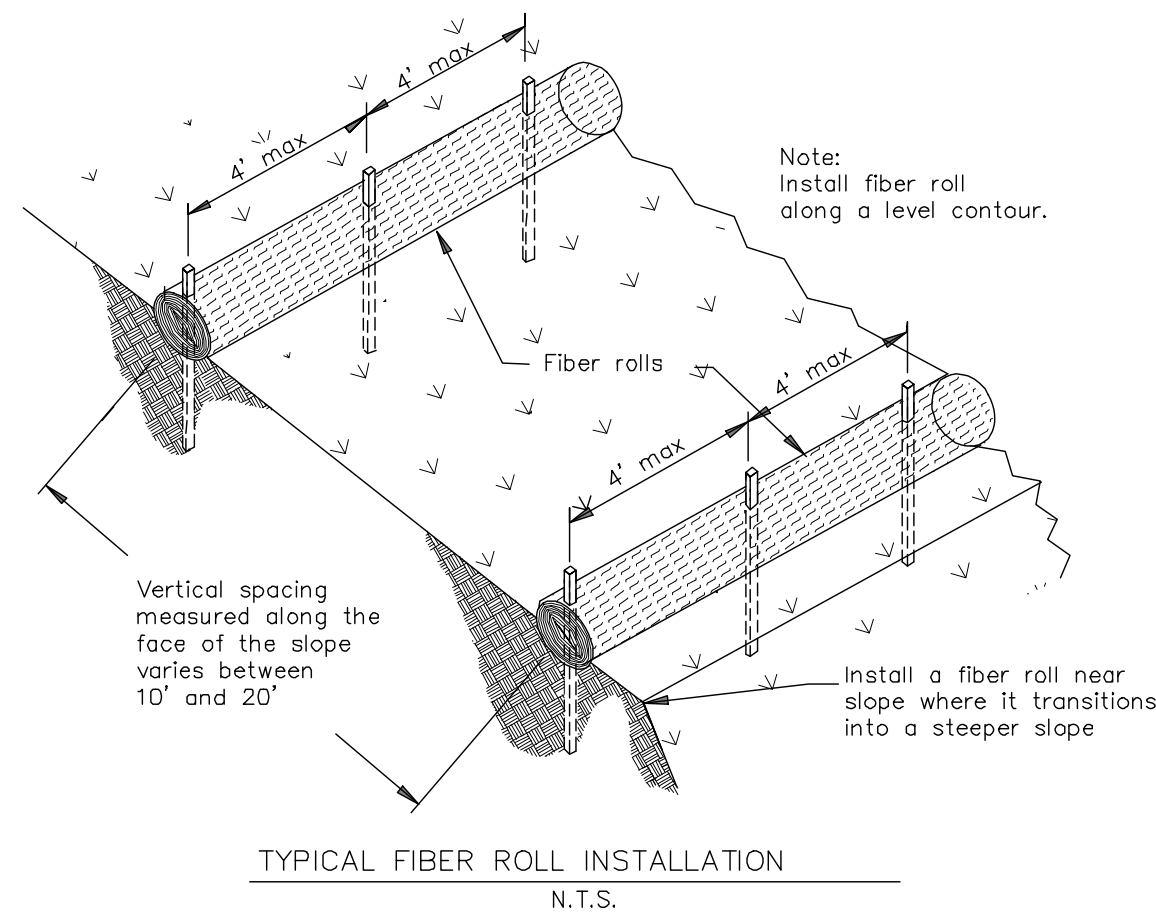
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Land Development

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Fiber Rolls

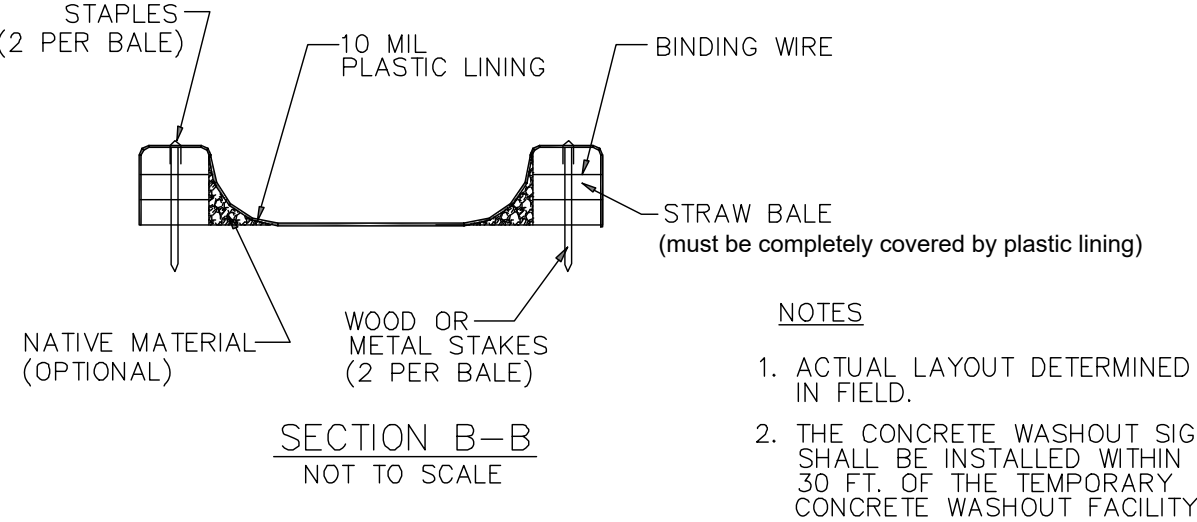
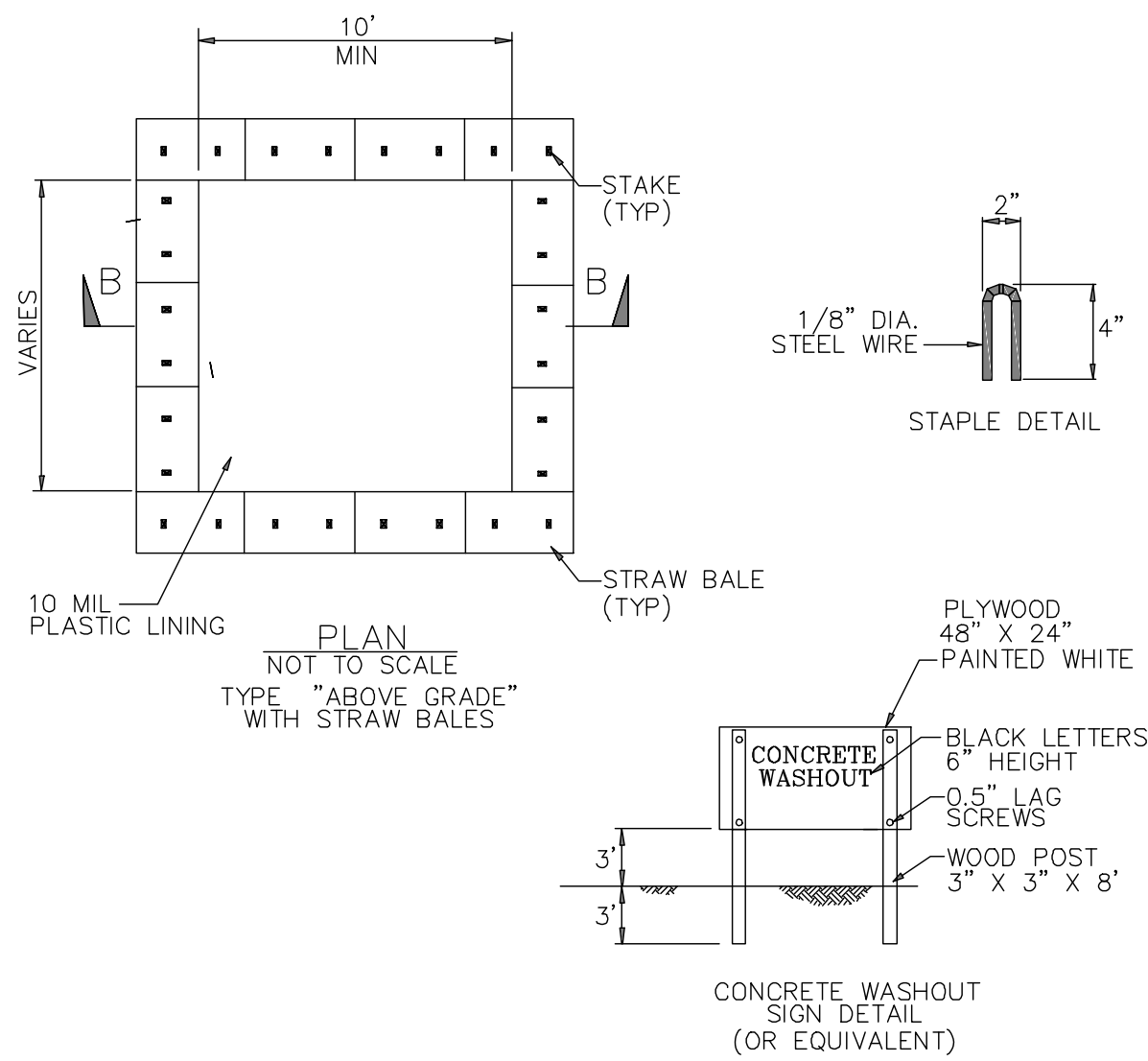
SE-5



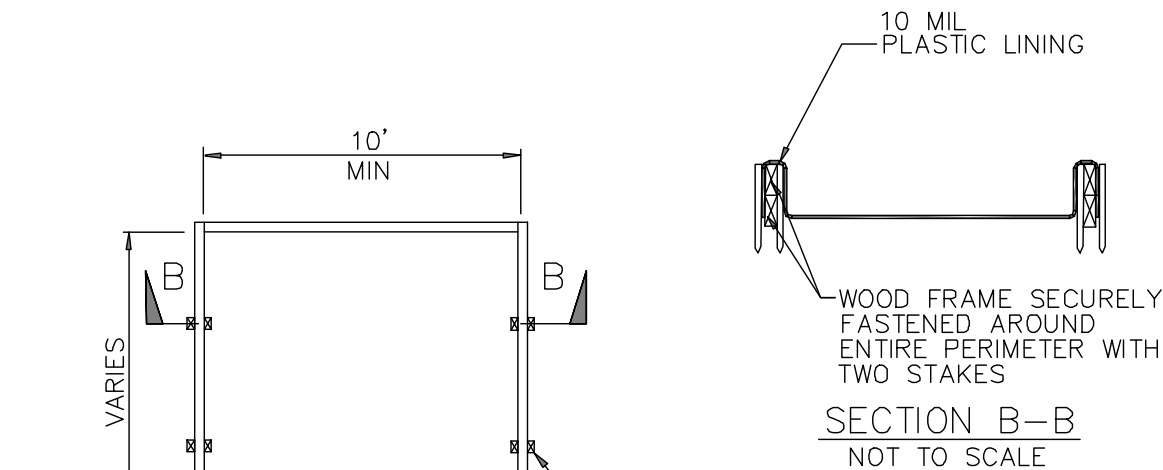
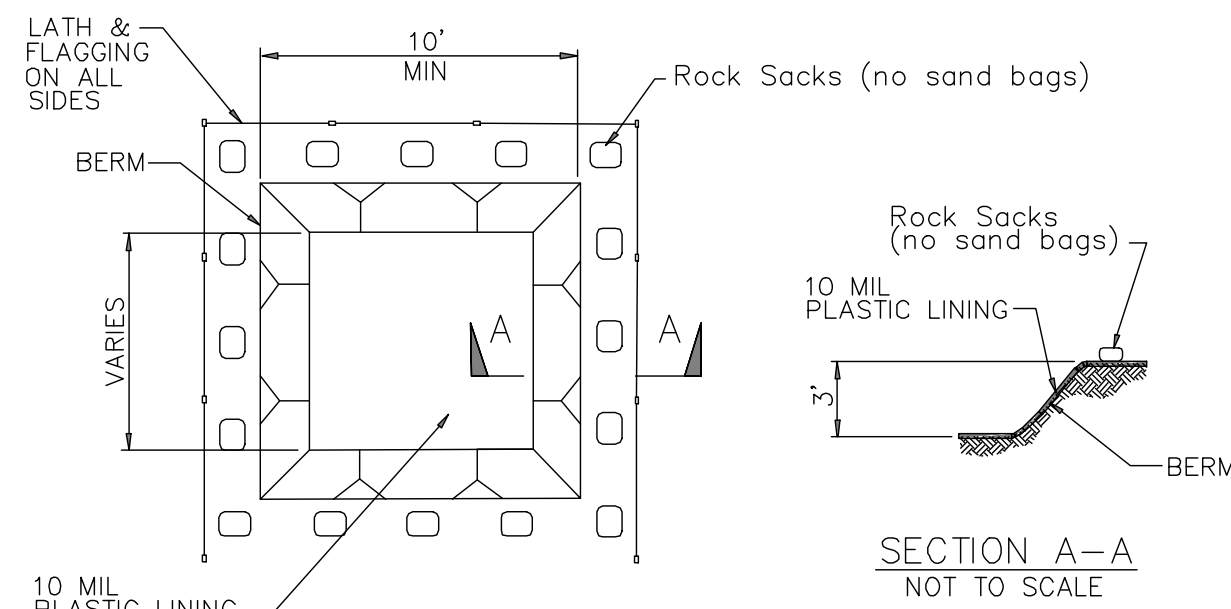
ENTRENCHMENT DETAIL
N.T.S.

NOTES:
If more than one fiber roll is placed in a row, the rolls must be overlapped, not abutted.
Turn the ends of the fiber roll up-slope to prevent runoff from going around the roll.

Concrete Waste Management WM-8



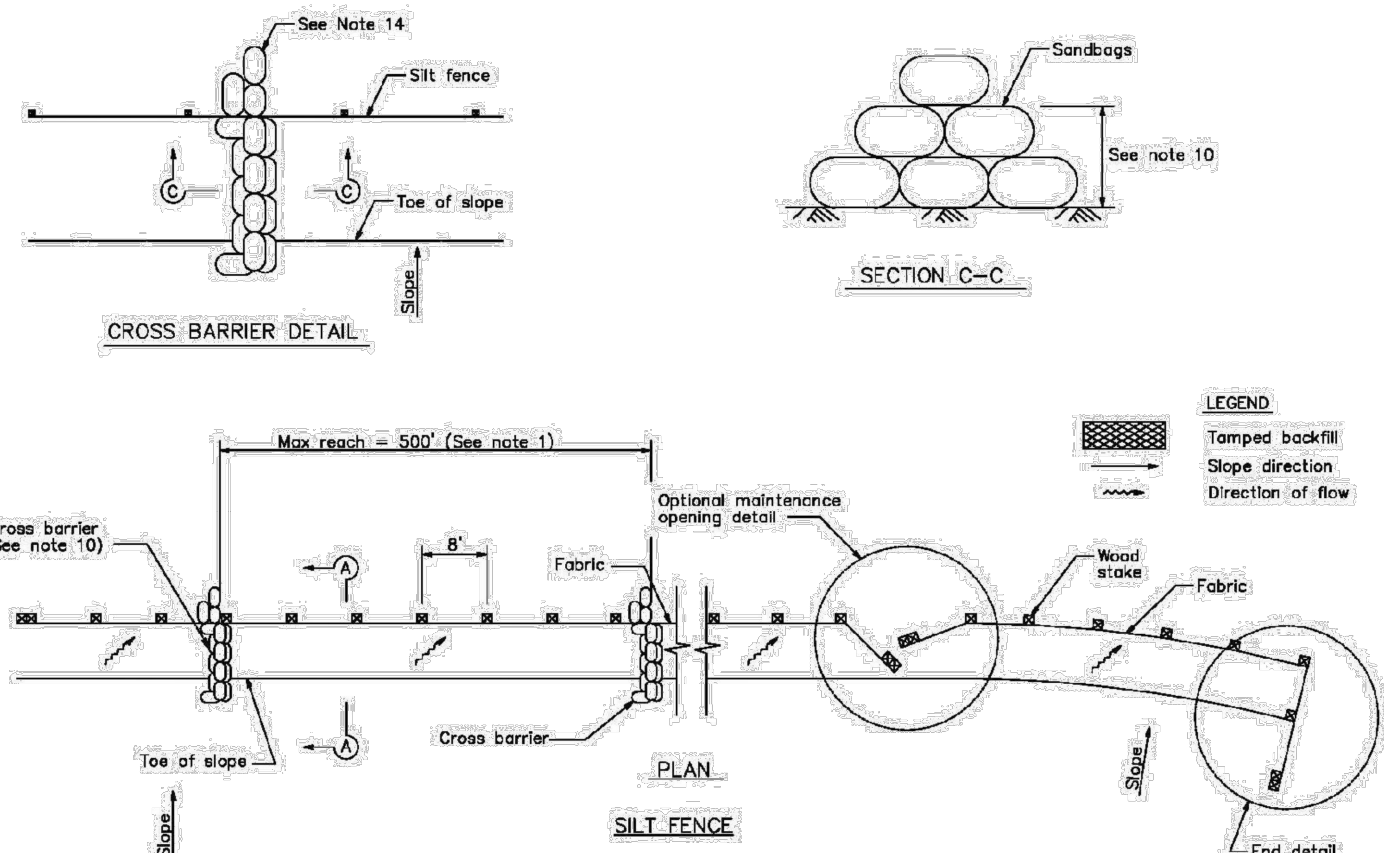
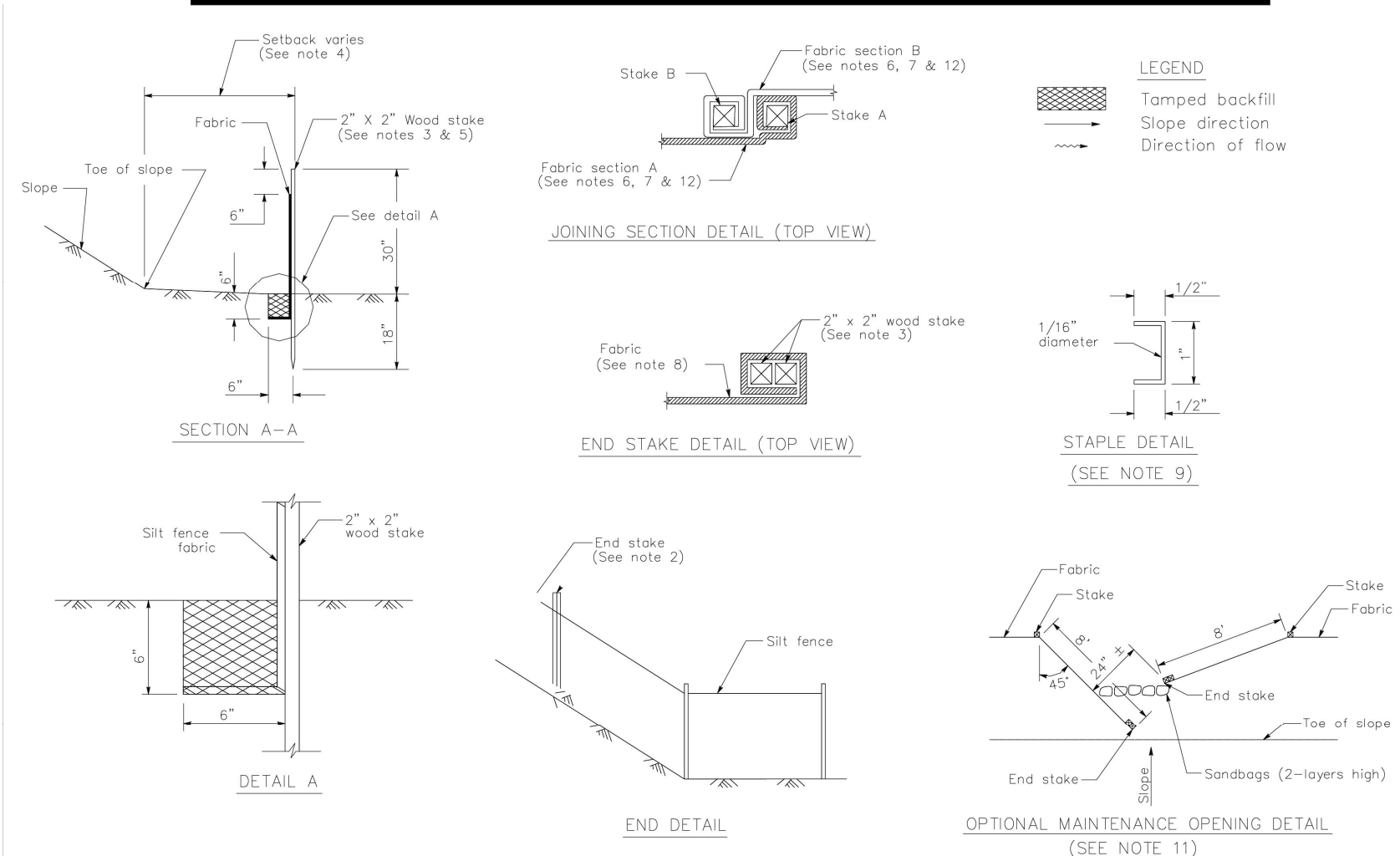
Concrete Waste Management WM-8



NOTES
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

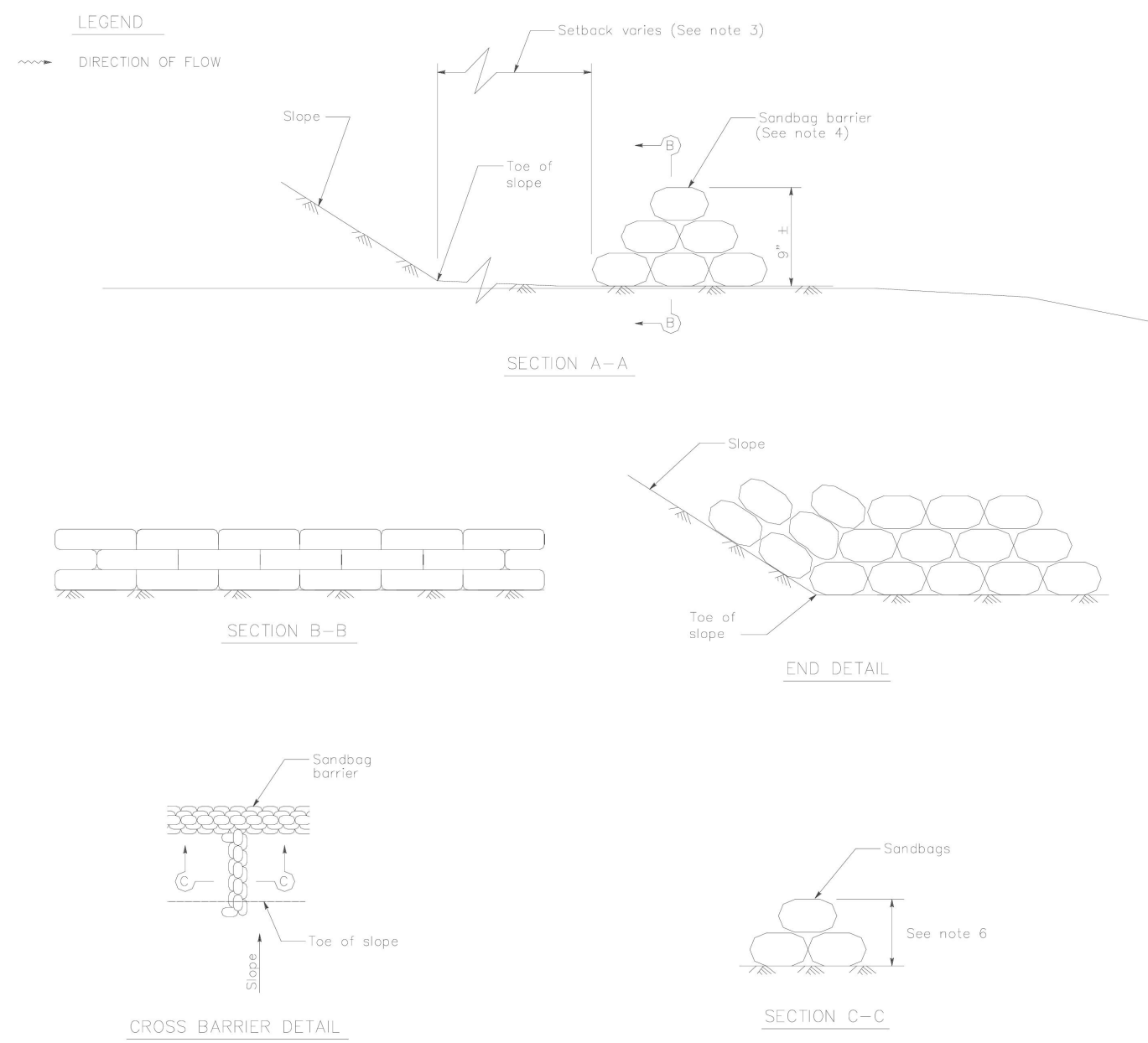
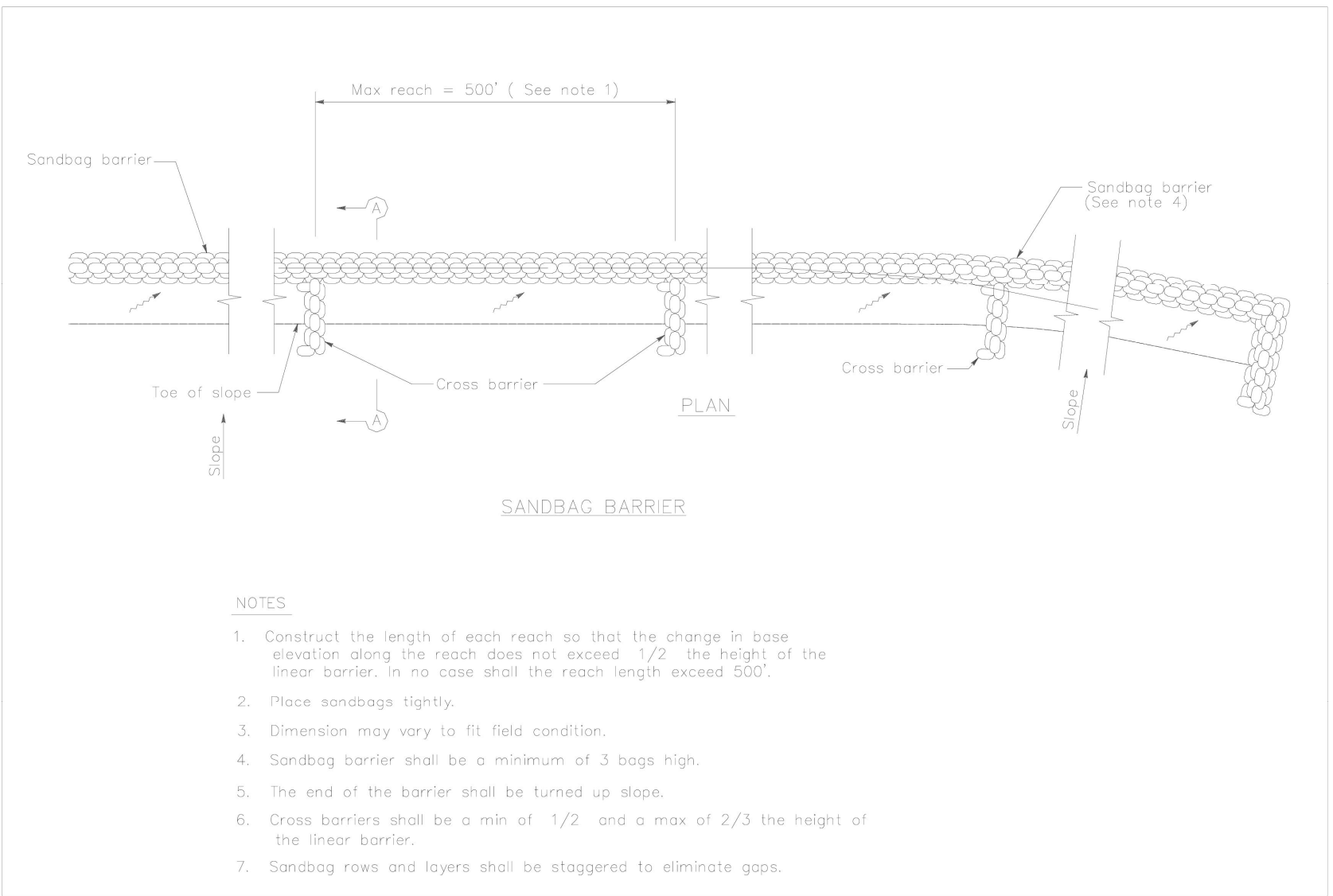
Silt Fence

SE-1



Sandbag Barrier

SE-8



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	SHEET E-2

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