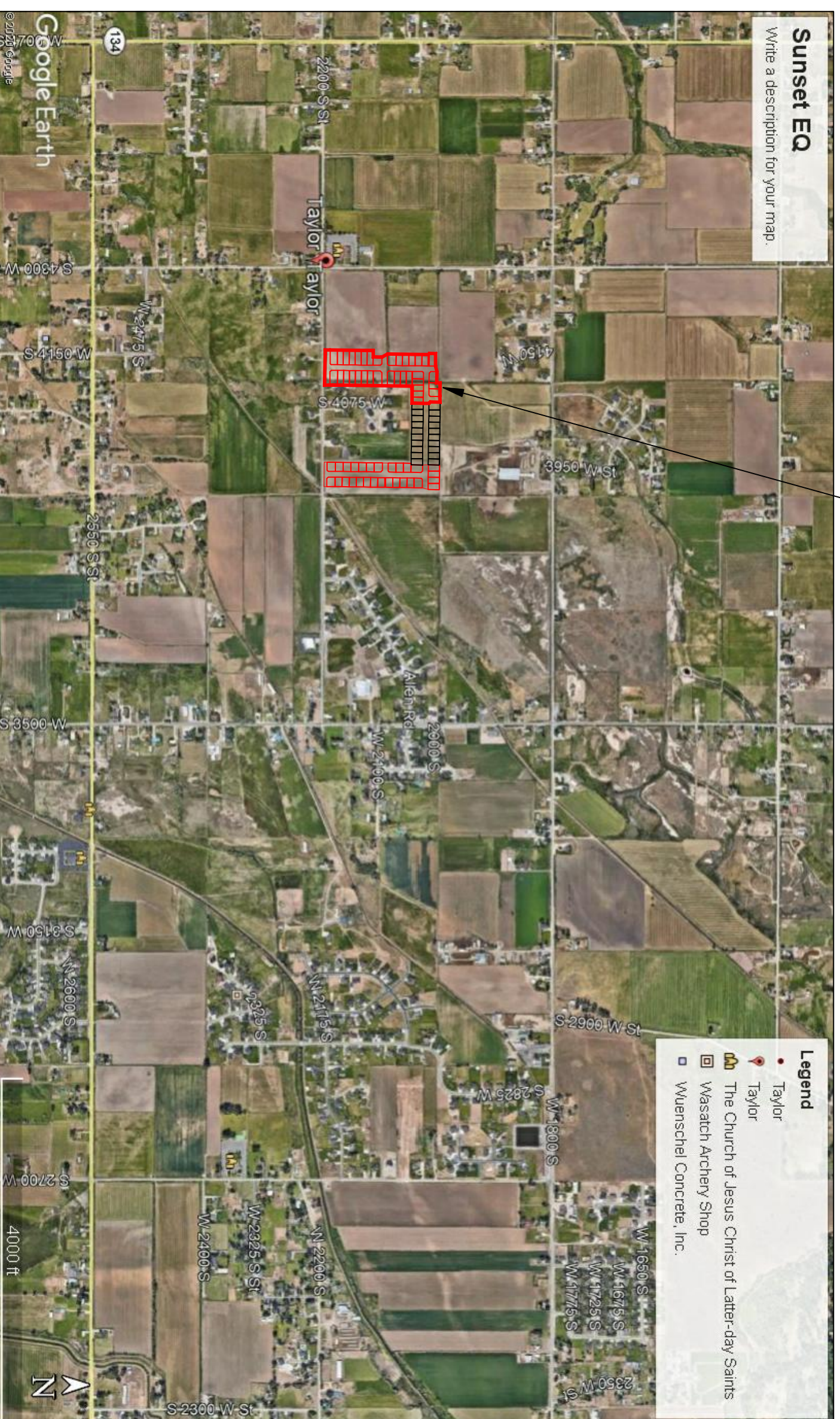


TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION
 PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6 NORTH,
 RANGE 2 WEST,
 SALT LAKE BASELINE AND MERIDIAN
 WEBER COUNTY, TAYLOR, UTAH
INDEX SHEET

OWNER/DEVELOPER
SIERRA HOMES

CIVIL ENGINEER
ALLIANCE CONSULTING
ENGINEERS, INC.
150 EAST 200 NORTH SUITE P
LOGAN, UTAH 84321
435-755-5121



VICINITY MAP

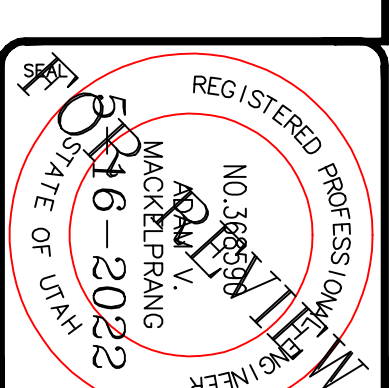
SHEET NO.	SHEET DESCRIPTION
1	INDEX SHEET
2	4085 WEST/2025 SOUTH ROAD PLAN
3	4140 WEST ROAD PLAN
4	2100/2200 SOUTH ROAD PLAN
5	HYDROLOGY
6	GRADING/DRAINAGE PLAN
7	DETAILS
8	DETAILS
9	DETAILS

- GENERAL NOTES (APPLICABLE TO ALL CIVIL SHEETS):**
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, WEBCOUNTY STANDARDS, STATE OF UTAH AND ANY OTHER APPLICABLE STANDARDS ISSUED BY THE CONTROLLING AGENCY.
 - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER. ANY WORK COMPLETED WITHOUT SUCH IS DONE SO AT THE CONTRACTORS EXPENSE.
 - CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY AREAS AND/OR MATERIALS DAMAGED DURING CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN ALL ADJACENT PROPERTY (PUBLIC & PRIVATE) FROM ALL CONSTRUCTION DEBRIS.
 - CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION FROM ALL NEW CONSTRUCTION TO EXISTING CONDITIONS.
 - CONTRACTOR SHALL PROVIDE ALL NECESSARY AUTOMOBILE AND PEDESTRIAN TRAFFIC CONTROL DEVICES REQUIRED BY LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
 - CONTRACTOR SHALL REPLACE SURVEY MONUMENTS DAMAGED DURING CONSTRUCTION. SURVEY MONUMENTS TO BE REPLACED BY A REGISTERED, LICENSED LAND SURVEYOR.
 - CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, INCLUDING FIBER OPTIC. ANY DAMAGES TO EXISTING UTILITIES WILL BE REPAIRED AT CONTRACTORS EXPENSE.
 - DIMENSIONS SHOWN ARE TO THE CENTER OF THE PIPELINE UNLESS OTHERWISE NOTED.
 - DISTANCES SHOWN ALONG PIPELINES ARE HORIZONTAL DISTANCES AND NOT ACTUAL PIPE LENGTHS. MORE PIPE MAY BE REQUIRED TO COMPLETE CONSTRUCTION THAN IS DIMENSIONED IN THE PLANS.
 - CONTRACTOR IS REQUIRED TO HAVE A SET OF PLANS ON THE SITE AT ALL TIMES. ANY WORK COMPLETED WITHOUT A SET PRESENT IS DONE SO AT THE CONTRACTORS RISK AND EXPENSE IF ERRORS OCCUR.
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATER NECESSARY FOR DUST ABATEMENT, COMPACTON, ETC.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SOURCES FOR GRANULAR MATERIALS, WATER WASTE SITES, AND ANY OTHER MATERIALS SOURCES AS REQUIRED FOR PROJECT COMPLETION.
 - ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THAT AGENCY AND THE REQUIREMENTS OF ANY RIGHT-OF-WAY OR SPECIAL USE PERMITS.
 - THE CONTRACTOR SHALL COORDINATE ALL LIVE TAPS AND ANY OTHER WORK OR MANIPULATION OF THE EXISTING WATER SYSTEM WITH THE TAYLOR-WEST WEBER WATER IMPROVEMENT DISTRICT, 24 HOURS IN ADVANCE OF ANY PRE-CONSTRUCTION MEETING AND CONSTRUCTION ACTIVITY. 801-731-1688.
 - ON SLOPING AREAS THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MITIGATE ANY POSSIBLE EROSION PROBLEMS IN THE TRENCHES DUE TO STORM WATER THAT MIGHT OCCUR DURING OR AFTER CONSTRUCTION AS DIRECTED OR APPROVED BY ENGINEER.
 - THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS DETAILED IN THE PROJECT PLANS UNTIL FINAL ACCEPTANCE OF THIS PROJECT.
 - THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONS NECESSARY TO INSURE THAT NO STORM WATER/SEDIMENT AND/OR CONSTRUCTION DEBRIS ARE RELEASED FROM THE SITE. ANY RELEASES SHALL BE CLEANED AND MITIGATED AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACCESS AND RELATED TRAFFIC CONTROL WITH THE COUNTY, CITY, AND STATE ROADWAY DEPARTMENTS. THE ENGINEER SHALL REVIEW ALL TRAFFIC CONTROL PLANS.
 - CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS, HARDWARE, LABOR, ETC. TO CONSTRUCT VERTICAL AND HORIZONTAL BENDS IN PIPE AS NEEDED TO MEET THE REQUIRED GRADES, ALIGNMENTS AND COVER REQUIREMENTS.
 - ALL AIR RELEASE VALVES SHALL BE INSTALLED AT THE CREST OF THE VERTICAL CURVATURE OF THE WATER LINE. CONTRACTOR SHALL RECORD ACTUAL LOCATION OF VALVES ON FIELD RECORD DRAWINGS.
 - THE CONTRACTOR SHALL COORDINATE WITH WEBER COUNTY FOR ALL UTILITY INSPECTIONS PRIOR TO BACKFILLING.
 - ALL WATER SYSTEM COMPONENTS SHALL BE INSTALLED, PRESSURE TESTED, AND CHLORINATED PRIOR TO COMPLETING ANY ROADWAY CONSTRUCTION.
 - ALL WORK ON THE SECONDARY WATER SYSTEM IS TO BE DONE IN ACCORDANCE WITH HOOPER IRRIGATION COMPANY STANDARDS.

COUNTY ENGINEER'S CERTIFICATE OF APPROVAL

I hereby approve the above plat having reviewed it for conformity with standard engineering practice and County's Subdivision Ordinance

Date _____ Weber County Engineer _____



ALLIANCE CONSULTING ENGINEERS
 150 EAST 200 NORTH SUITE P
 LOGAN, UTAH 84321
 (435)755-5121
 allianceengr@qwestoffice.net

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No.	REVISIONS/ SUBMISSIONS	DATE

REVIEWED :	DRAWN :
CAD FILE :	PROJECT NO. :

TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION

DRAWING TITLE **INDEX SHEET**

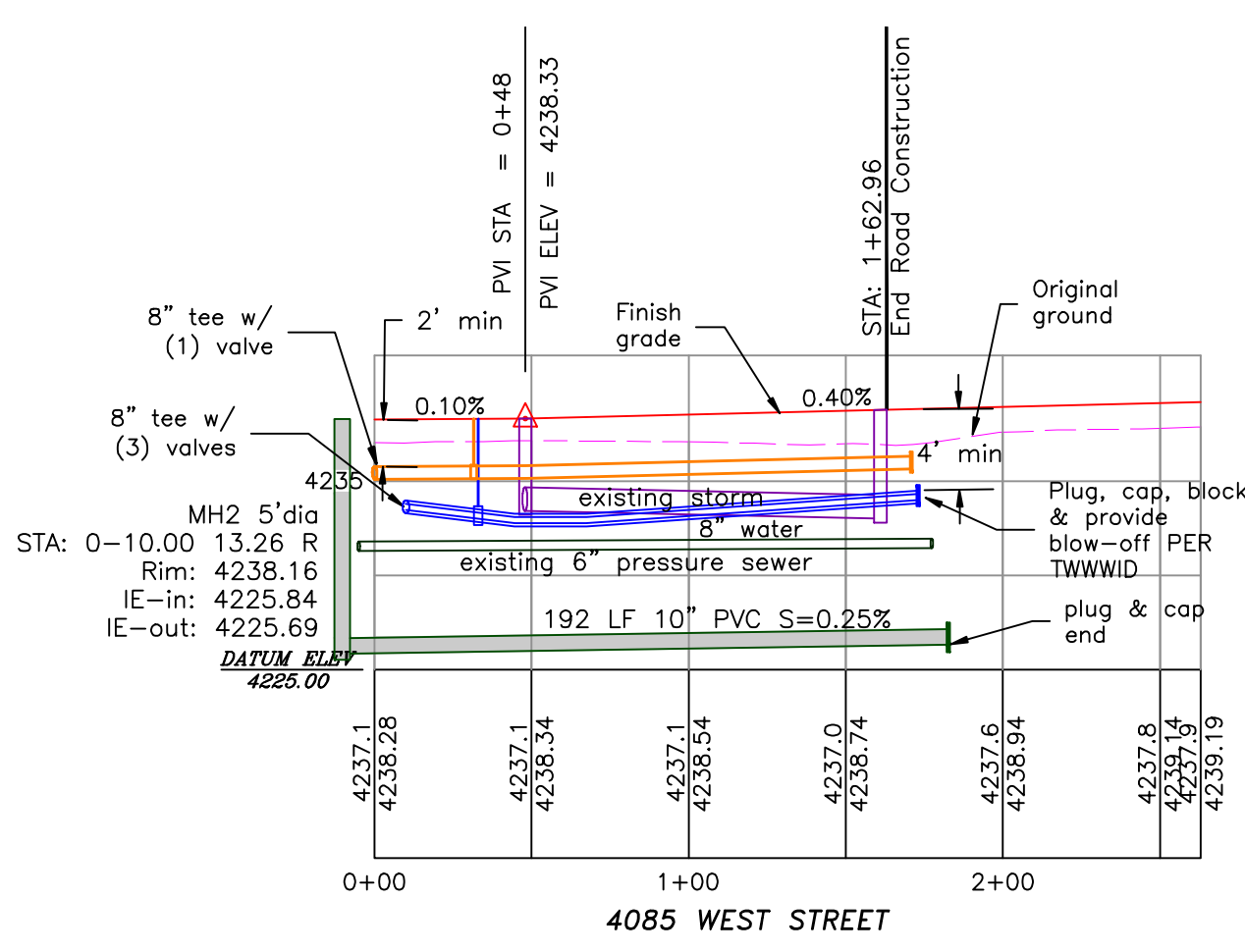
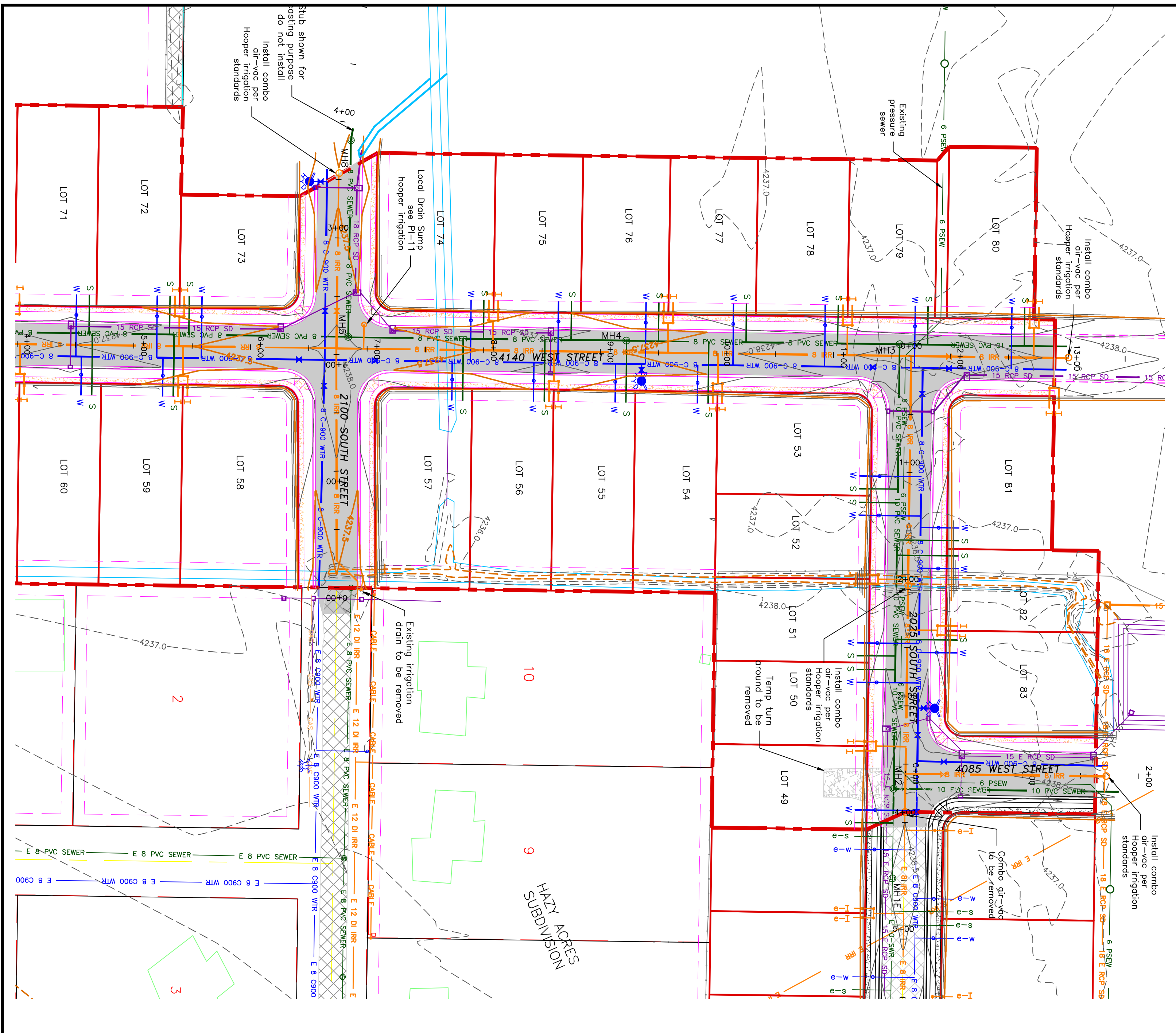
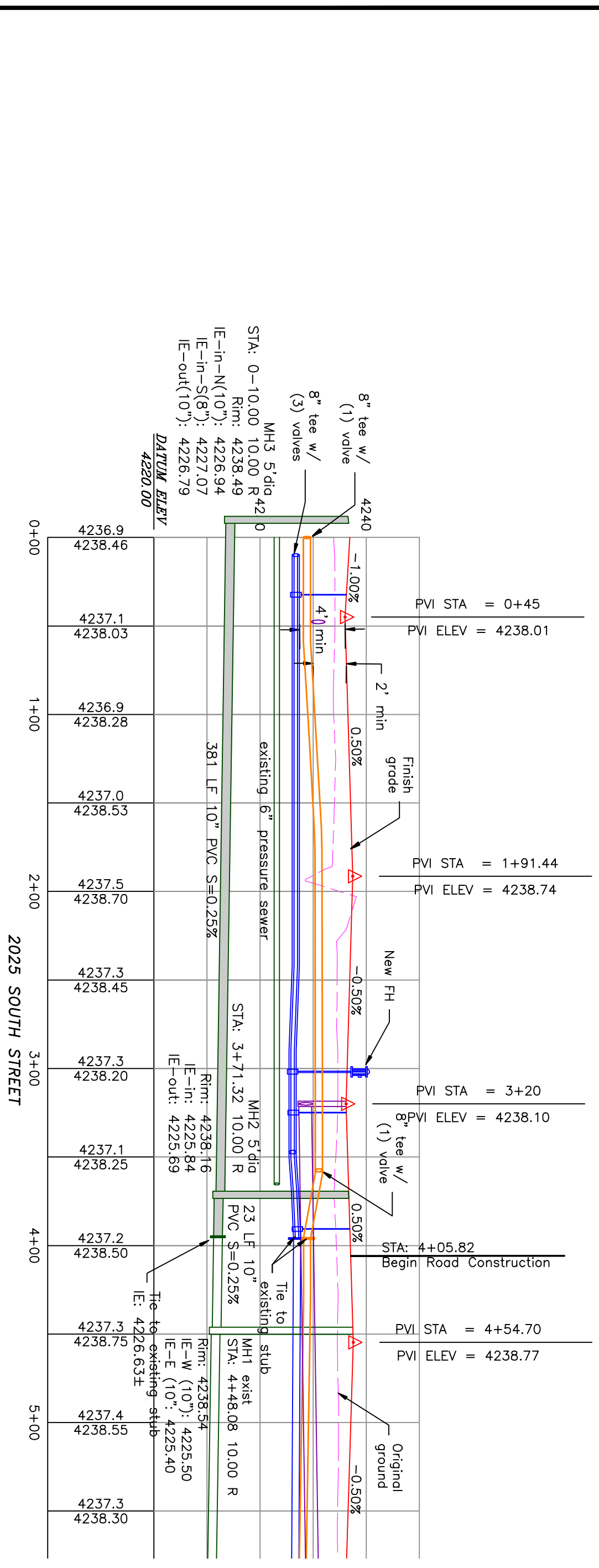
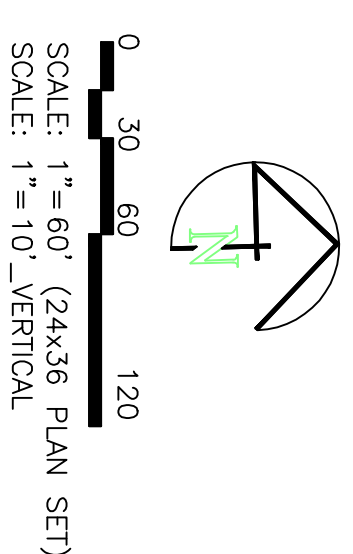
DATE : DEC.2021
 DRAWING No. **1**

TAYLOR LANDING PHASE 3

A CLUSTER SUBDIVISION

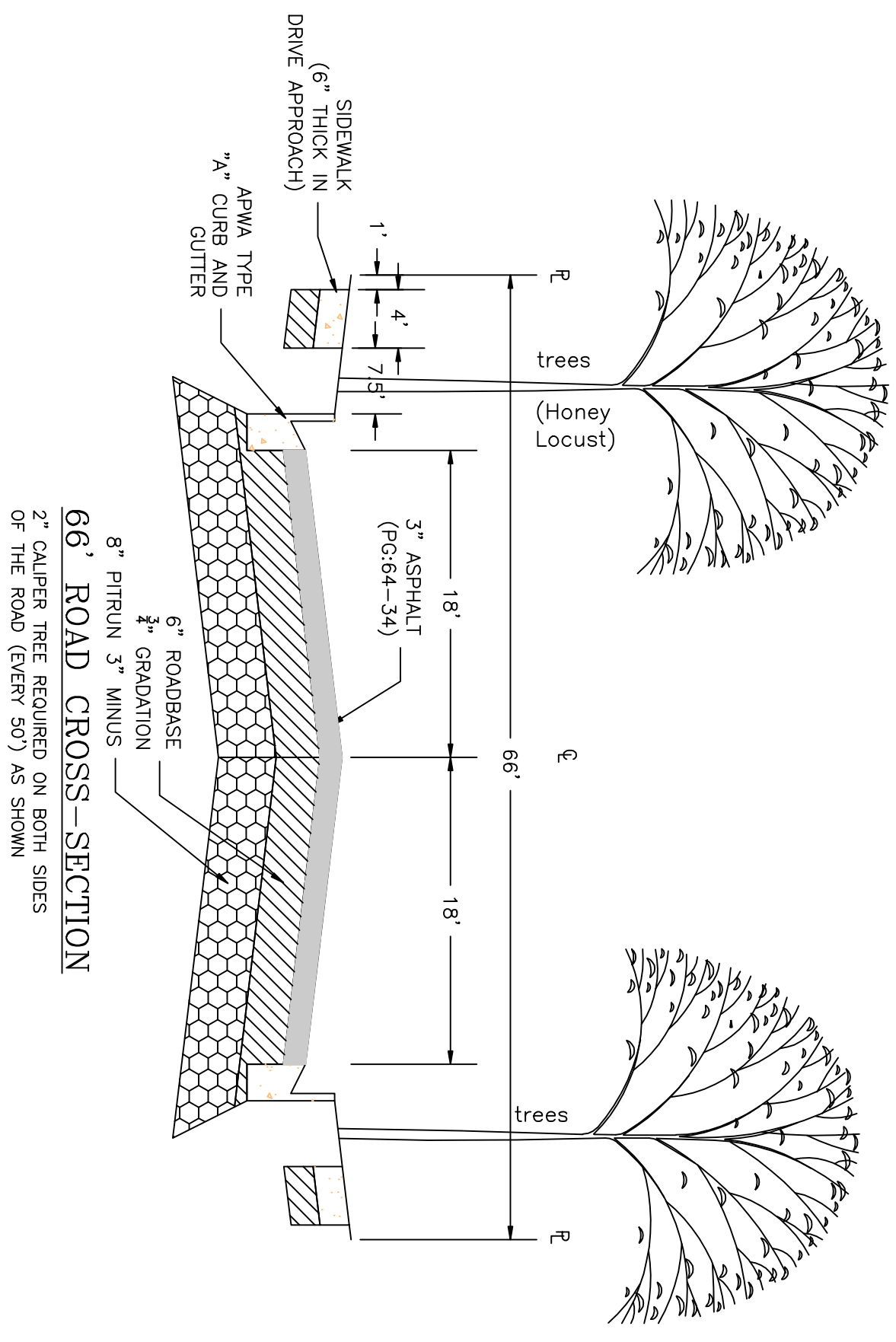
PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6 NORTH, RANGE 2 WEST, WEBER COUNTY, TAYLOR, UTAH

4085 WEST/2025 SOUTH ROAD PLAN



- BOUNDARY LINE
- LOT LINE
- CENTERLINE
- UTILITY EASEMENT LINE
- FUTURE ROAD SHOWN FOR REFERENCE
- EXISTING FENCE
- EXISTING DITCH
- EXISTING WATER AS NOTED
- PROPOSED 8" PVC C-900 DR 18 WATER
- PROPOSED 1" CIS 200 PSI POLY WATER SERVICE
- EXISTING SEWER AS NOTED
- PROPOSED 8" SDR 35 SEWER AS NOTED
- PROPOSED 10" SDR 35 SEWER AS NOTED
- PROPOSED 4" SEWER LATERAL
- EXISTING 12" DI IRRIGATION
- PROPOSED 8" PVC C-900 DR 18 IRRIGATION MAIN, PURPLE
- PROPOSED 12" PVC C-900 DR 18 IRRIGATION MAIN, PURPLE
- PIPE WITH LOCATOR TIE AND 14GA LOCATOR WIRE
- PROPOSED IRRIGATION SERVICE PER HOOPER IRRIGATION COMPANY (see PI-10 hooper irrigation, double service unless otherwise noted)
- EXISTING STORM SYSTEM
- PROPOSED STORM SYSTEM AS NOTED
- EXISTING MAJOR CONTOUR (5')
- EXISTING MINOR CONTOUR (1')
- PROPOSED MAJOR CONTOUR (2.5')
- PROPOSED MINOR CONTOUR (0.5')
- EXISTING ASPHALT
- PROPOSED ASPHALT
- PROPOSED CONCRETE

Notes:
 All ADA ramps to include truncated domes grey in color. See APWA plan 235.1, example B unless there are special circumstances. Contractor to all work on the secondary water system is to be done in accordance with Hooper Irrigation Company Standards



PROJECT TITLE
**TAYLOR LANDING PHASE 3
 A CLUSTER SUBDIVISION**

DRAWING TITLE
4085 WEST/2025 SOUTH ROAD PLAN

DATE: DEC.2021
 DRAWING No. 3

No.	REVISIONS/ SUBMISSIONS	DATE

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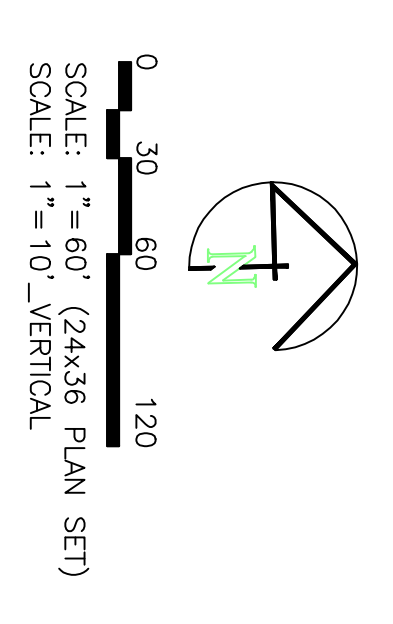
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 alliancelogan@yahoo.com

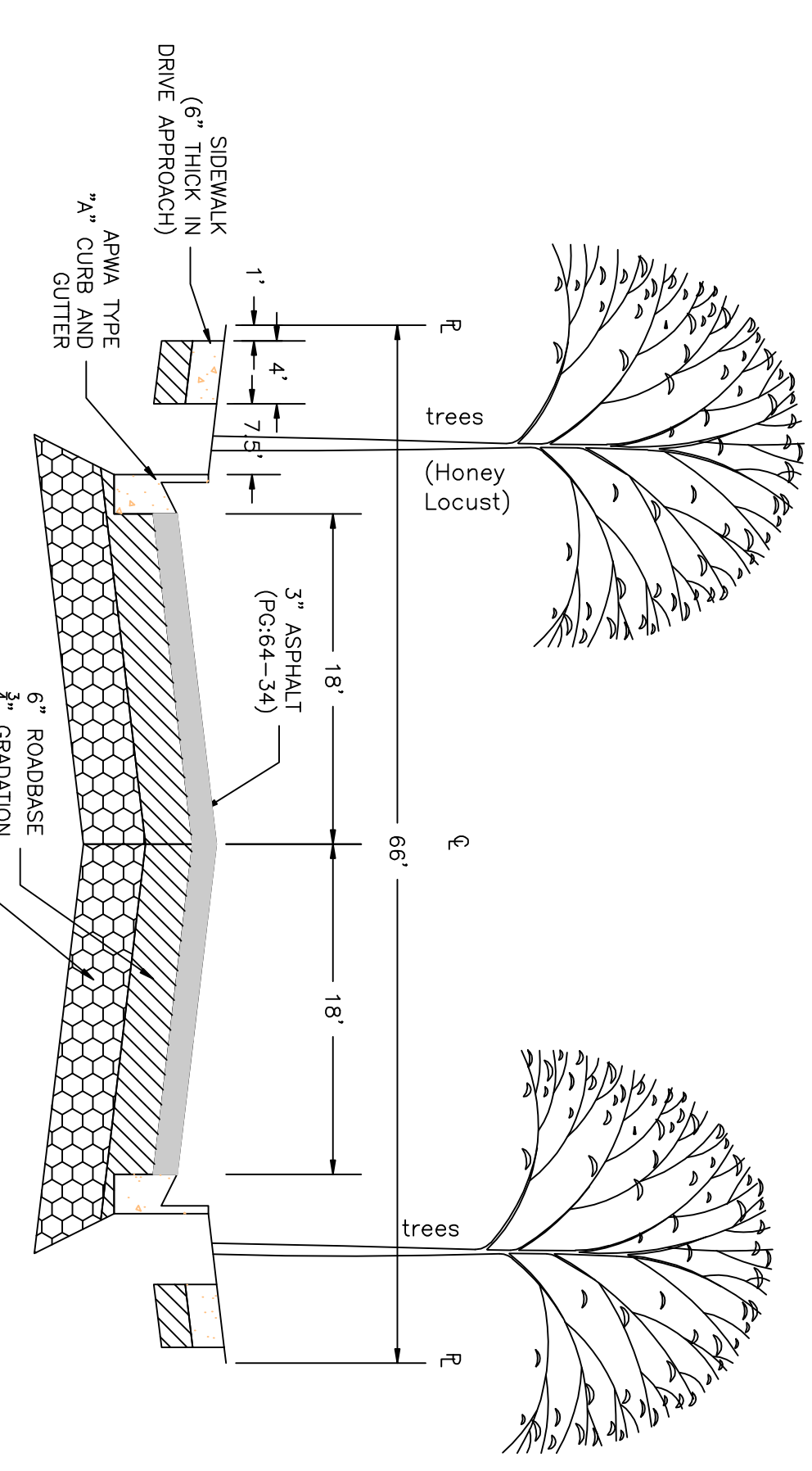
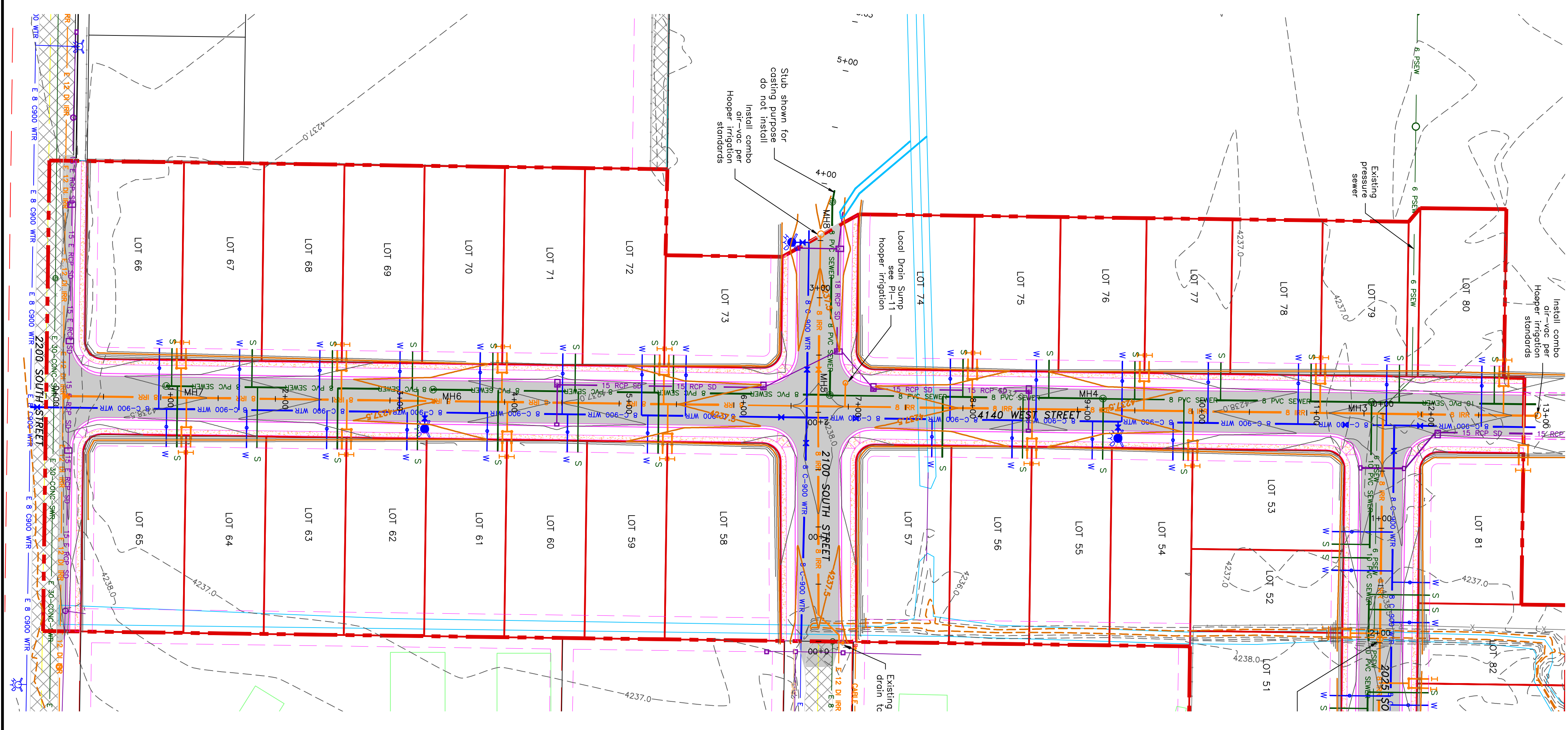
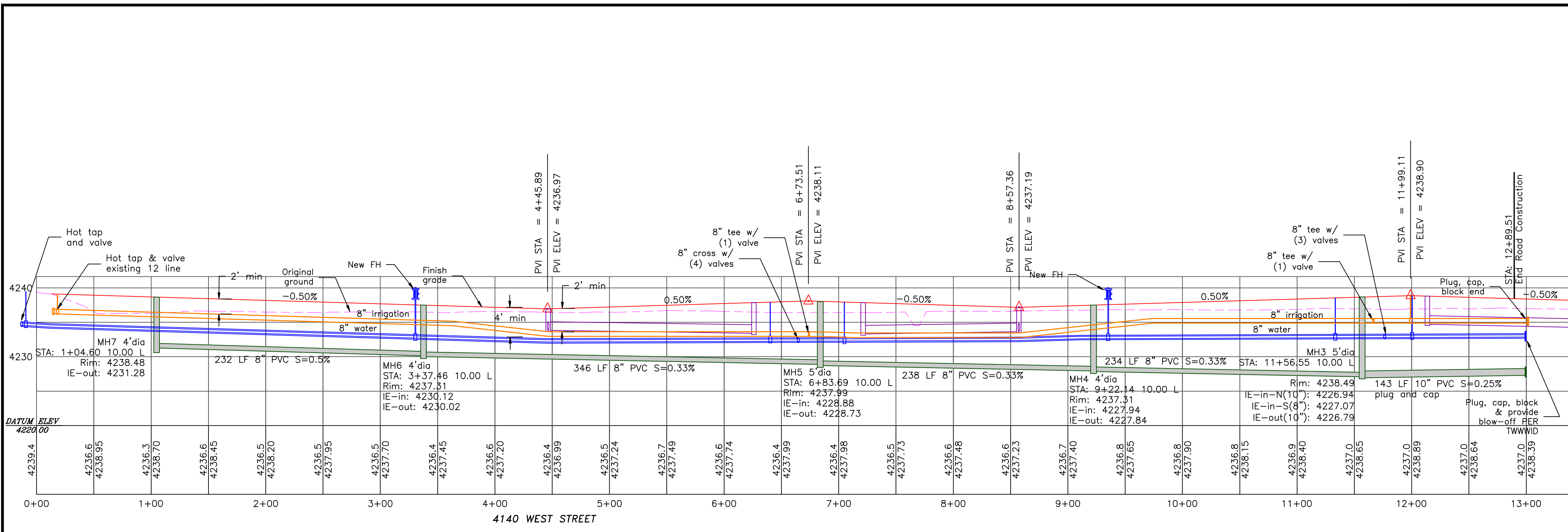
REGISTERED PROFESSIONAL ENGINEER
 No. 20050
 MCKELPANG
 12/16/2022
 STATE OF UTAH

TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION
 PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6
 NORTH, RANGE 2 WEST
 SALT LAKE BASIN AND MERIDIAN
 WEBER COUNTY, TAYLOR, UTAH
4140 WEST ROAD PLAN



- BOUNDARY LINE
- CENTERLINE
- UTILITY EASEMENT LINE
- FUTURE ROAD SHOW FOR REFERENCE
- EXISTING FENCE
- EXISTING DITCH
- EXISTING WATER AS NOTED
- PROPOSED 8" PVC C-900 DR 18" WATER
- PROPOSED 1" CIS 200 PSI POLY WATER SERVICE
- EXISTING SEWER AS NOTED
- PROPOSED 8" SDR 35 SEWER AS NOTED
- PROPOSED 10" SDR 35 SEWER AS NOTED
- PROPOSED 4" SEWER LATERAL
- EXISTING 12" DI IRRIGATION
- PROPOSED 8" PVC C-900 DR 18" IRRIGATION MAIN, PURPLE
- PROPOSED 12" PVC C-900 DR 18" IRRIGATION MAIN, PURPLE
- PIPE WITH LOCATOR TIEP AND 14CA LOCATOR WIRE
- PROPOSED IRRIGATION SERVICE PER HOOPER IRRIGATION COMPANY (see PI-10 hooper irrigation, double service unless otherwise noted)
- 15' E AOS SO
- 15' NEP SO
- EXISTING MAJOR CONTOUR (5')
- EXISTING MINOR CONTOUR (1')
- PROPOSED MAJOR CONTOUR (2.5')
- PROPOSED MINOR CONTOUR (0.5')
- EXISTING ASPHALT
- PROPOSED ASPHALT
- PROPOSED CONCRETE

Notes:
 All ADA ramps to include truncated domes grey in color. See APWA plan 235.1 example B unless there are special circumstances. Contractor to refer to previous process for examples.
 All other notes are to be done in accordance with Hooper Irrigation Company Standards



PROJECT TITLE
TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION

DRAWING TITLE
4140 WEST ROAD PLAN

DATE: DEC.2021
 DRAWING NO. 3

No.	REVISIONS/ SUBMISSIONS	DATE

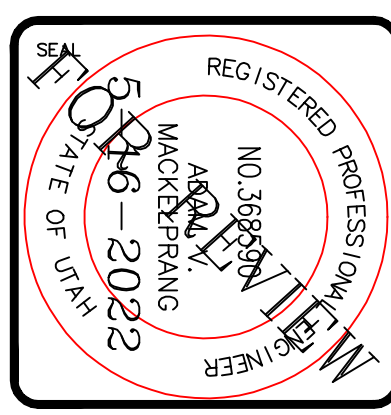
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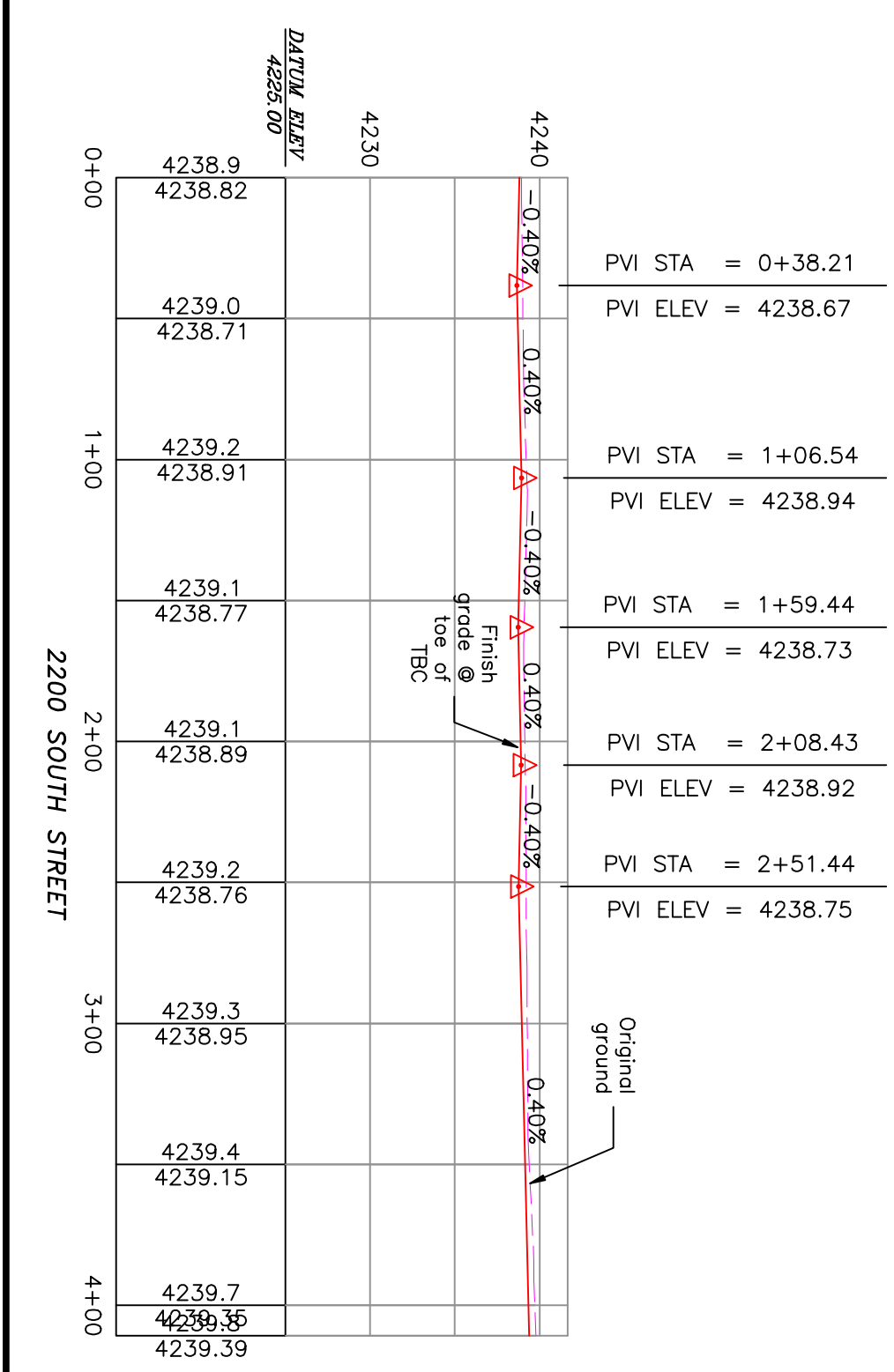
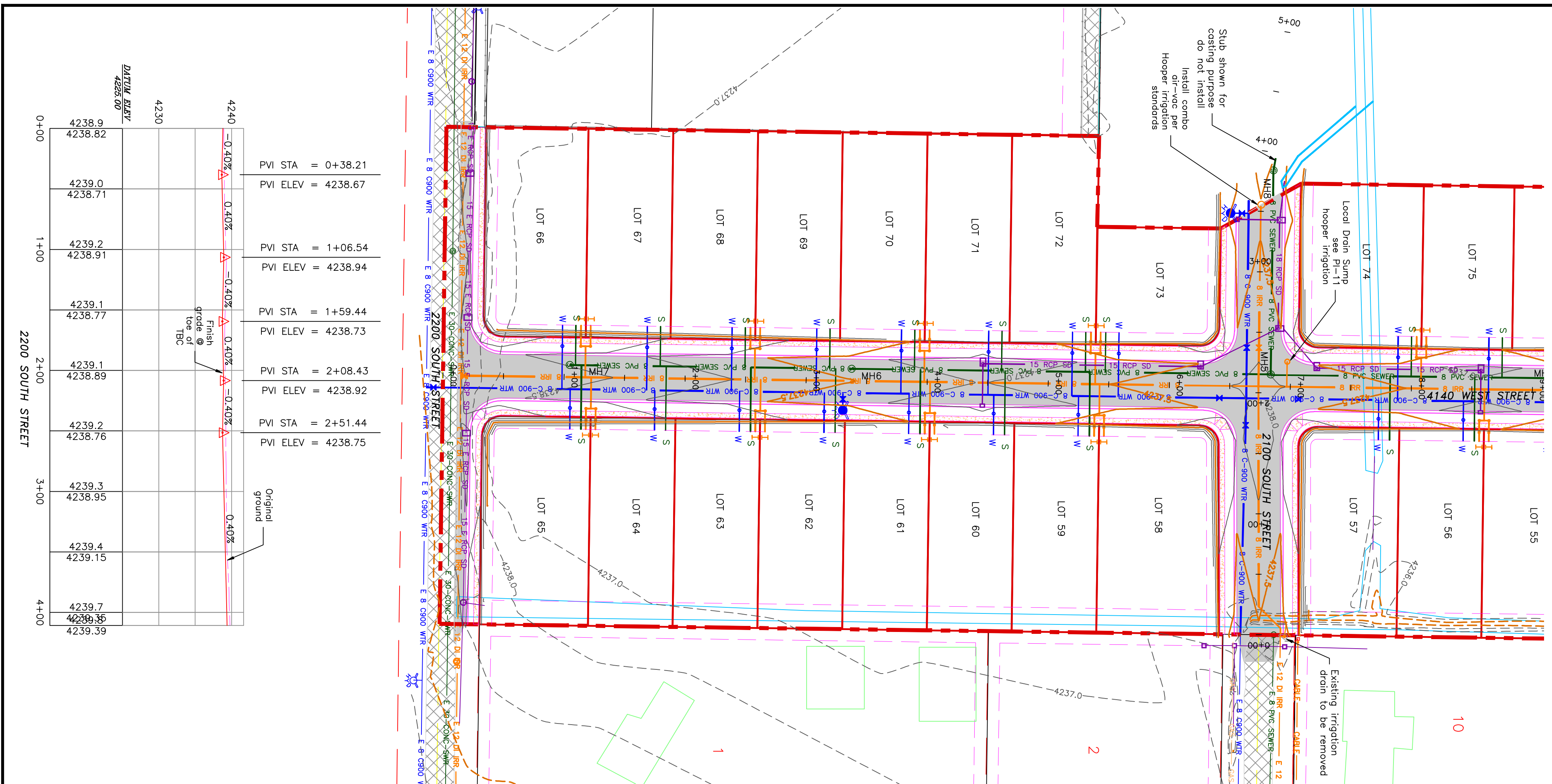
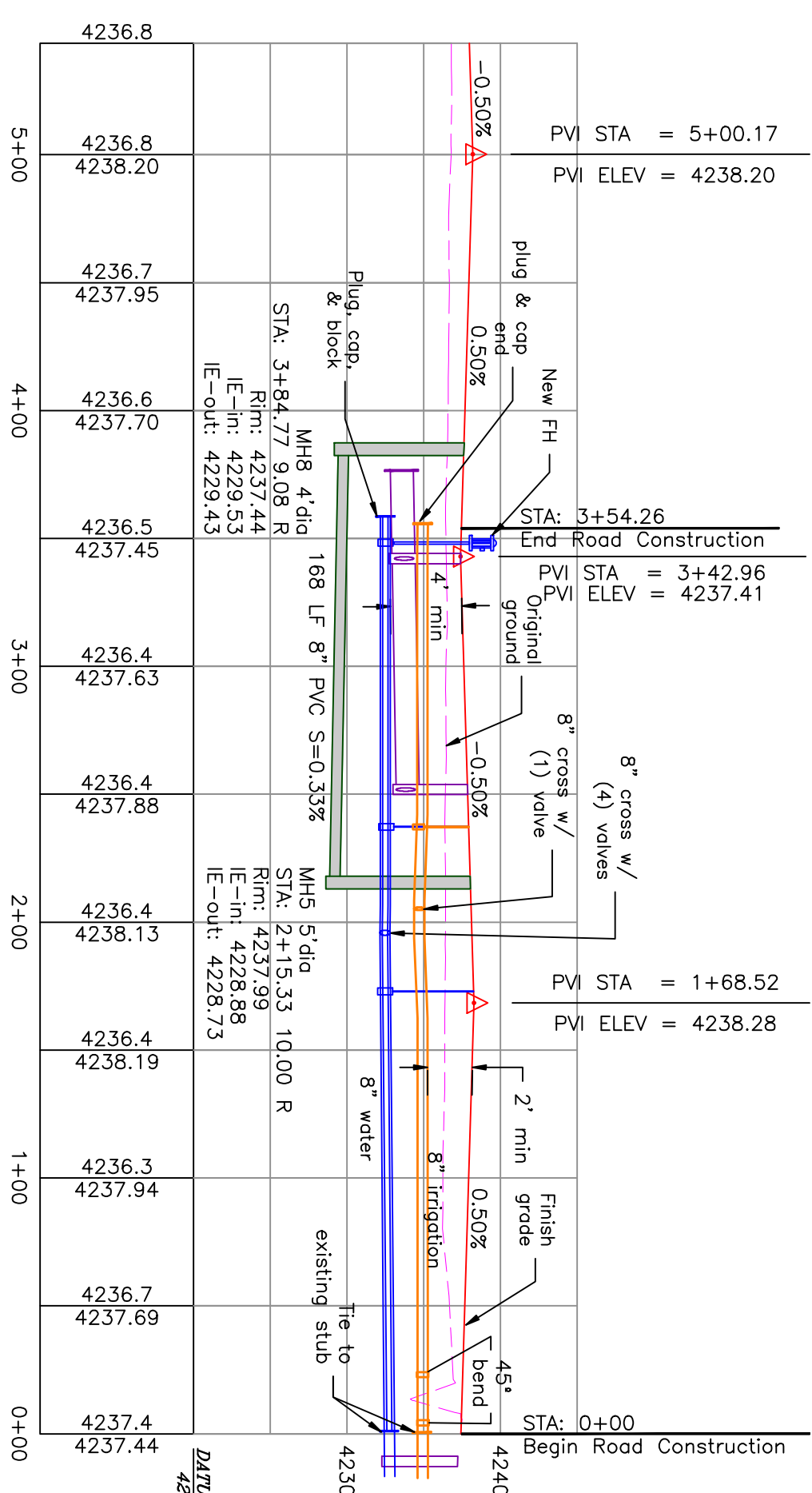
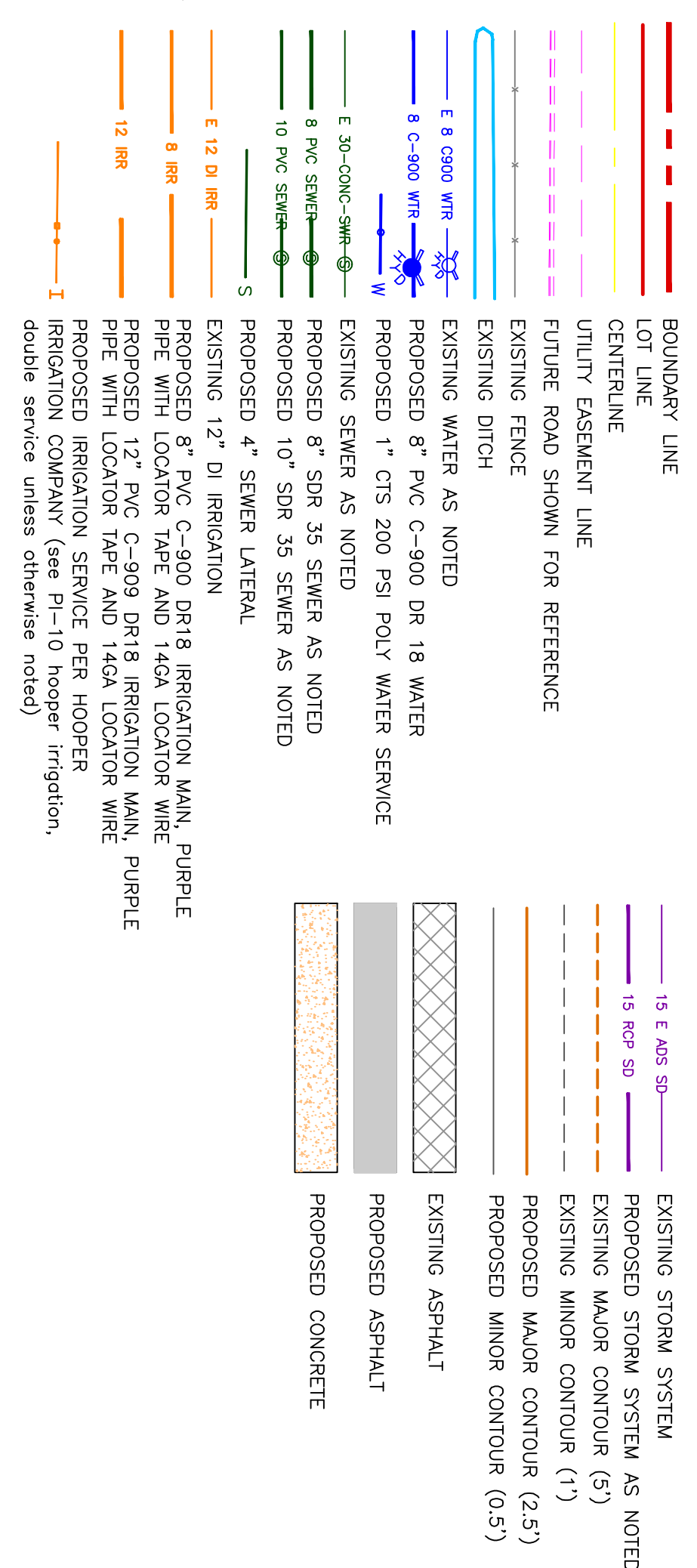
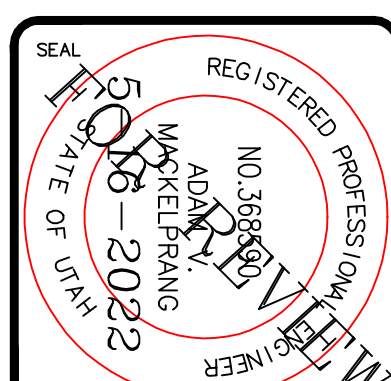
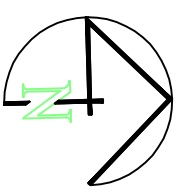


TAYLOR LANDING PHASE 3

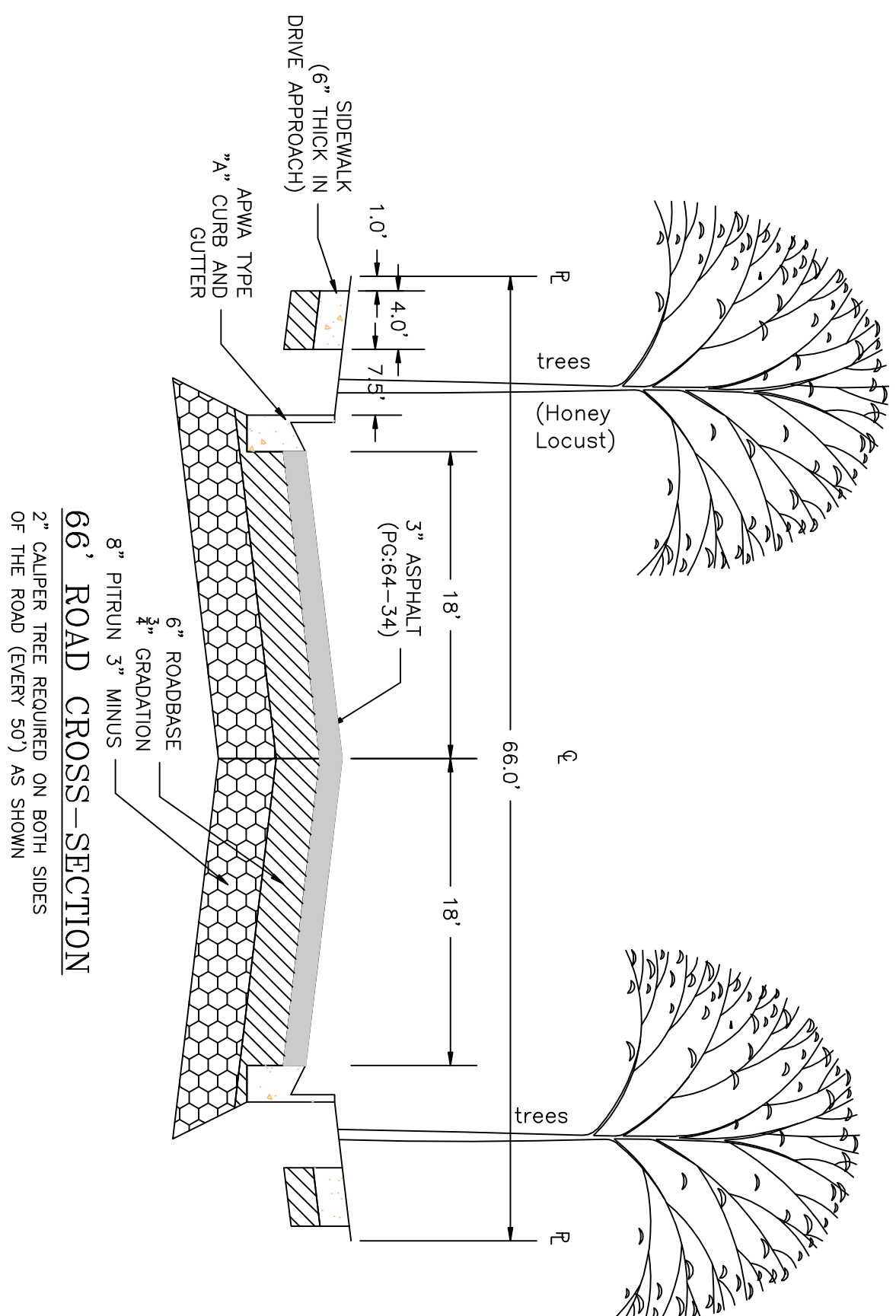
A CLUSTER SUBDIVISION

PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6 NORTH, RANGE 2 WEST, SALT LAKE BASIN AND MERIDIAN WEBER COUNTY, UTAH
2100/2200 SOUTH ROAD PLAN

0 30 60 120
 SCALE: 1"=60' (24x36 PLAN SET)
 SCALE: 1"=10' (VERTICAL)



Notes:
 All ADA ramps to include truncated domes grey in color. See APMA plan for details.
 Refer to previous phases for exemplar details. Contractor to verify all work on the secondary water system is to be done in accordance with Hooper Irrigation Company Standards



PROJECT TITLE
**TAYLOR LANDING PHASE 3
 A CLUSTER SUBDIVISION**

DRAWING TITLE
2100/2200 SOUTH ROAD PLAN

DATE: DEC.2021
 DRAWING No.

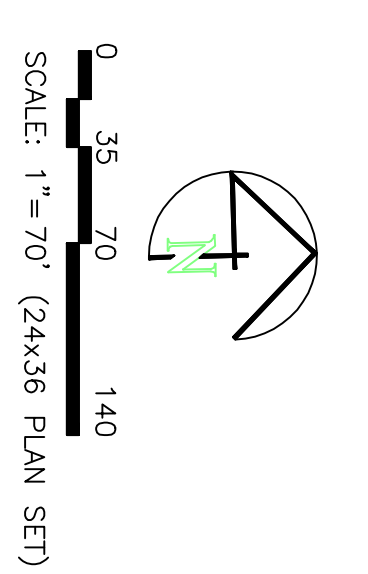
No.	REVISIONS/ SUBMISSIONS	DATE

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 CAD FILE: _____ PROJECT NO.: _____

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 (435)755-5121
 alliancelogan@yahoo.com

TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION
 PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6
 NORTH, RANGE 2 WEST,
 SALT LAKE BASELINE AND MERIDIAN
 WEBER COUNTY, TAYLOR, UTAH
HYDROLOGY

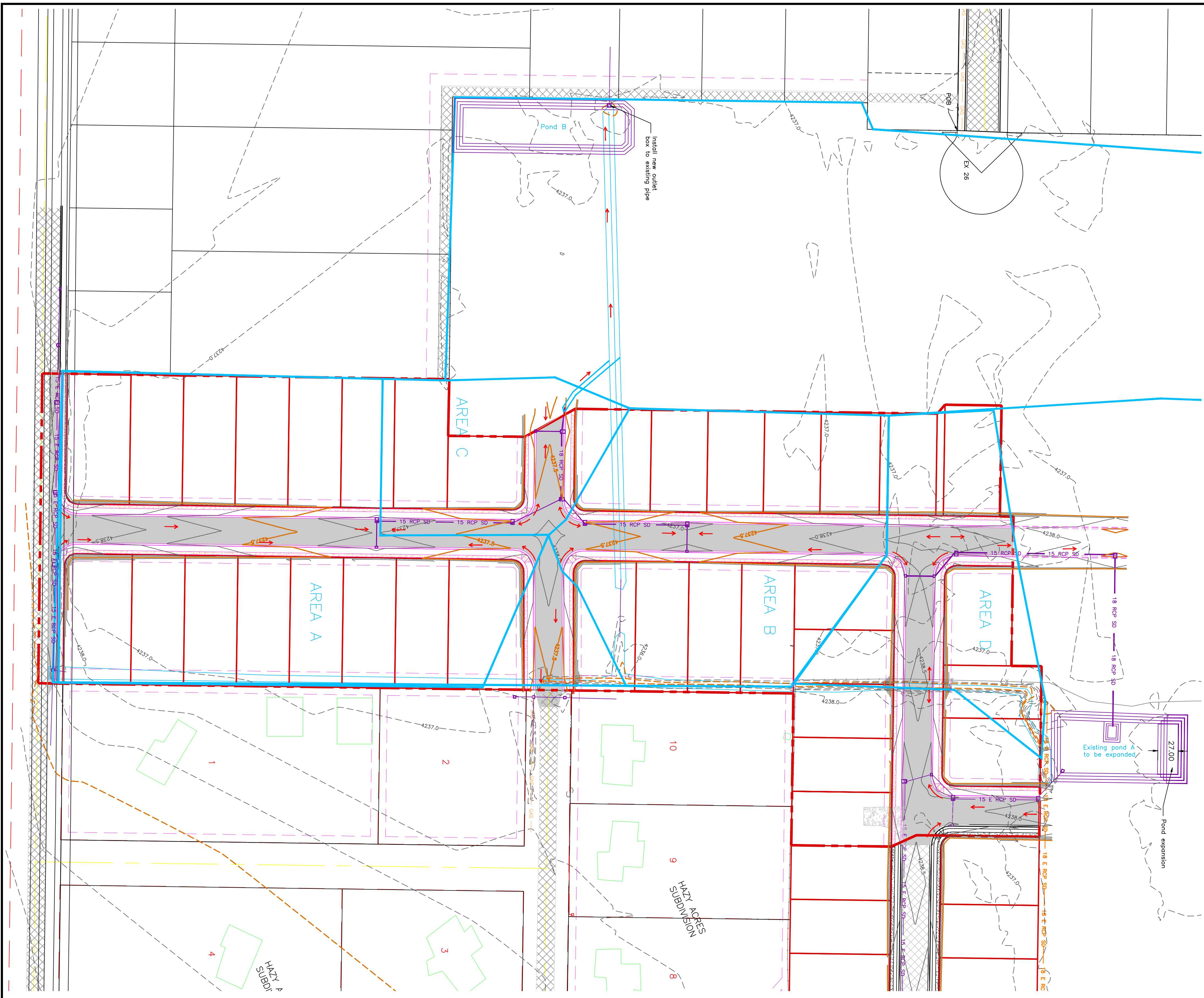
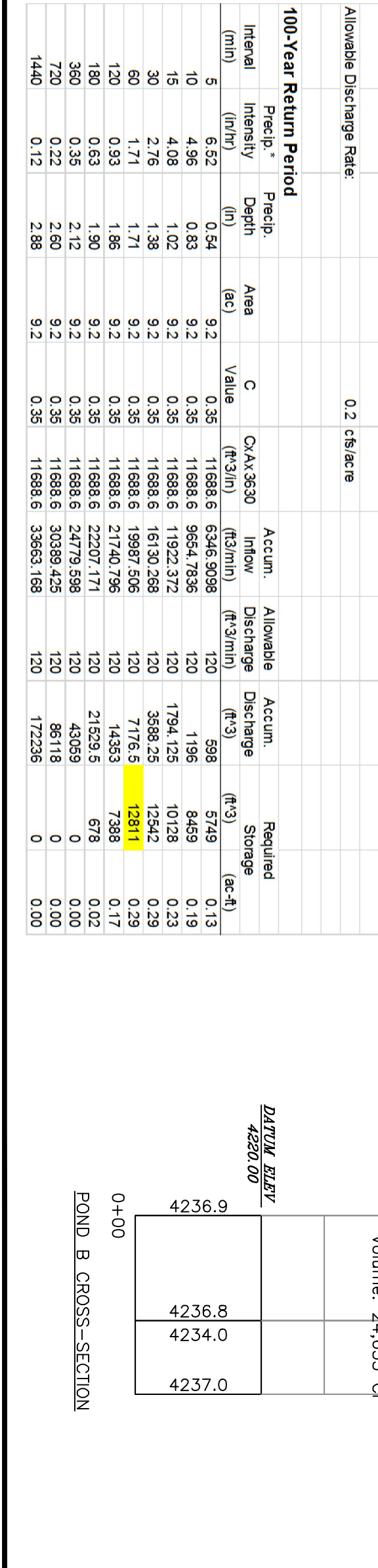


Area - disturbed		Subarea A	Subarea B	Subarea C	Subarea D	Area	'C'	A/C
Determination of Weighted 'C' Value:		(#1)	(#2)	(#2)	(#2)	(#2)	Value	Value
Road Area (roads, sidewalks, driveways, etc.)	26994	16162	15518	16946	70970	0.95	67421.50	
Road Area:	25300	13300	7200	9000	54600	0.9	49140.00	
Landscape Area:	159206	107770	35157	55966	354819	0.15	53222.85	
Total Area:	210400	132682	57875	79532	480389	~	11.03 Ac	
Peakflow Determination:								
'C' Value:	0.34	0.29	0.46	0.40	0.35	15 min event - 10 yr storm		
Rainfall Intensity:	2.04	2.04	2.04	2.04	2.04	per time of concentration		
Area:	210400	132682	57875	79532	480389	sf		
Peakflow:	3.37	1.83	1.24	1.51	7.95	cfs/ft ²		

Peak Flow Determination		Pipe Hydraulics		Pipe Hydraulics		Pipe Hydraulics		Pipe Hydraulics				
Watershed Designation	Total Q (cfs)	Pipe I.D. (ft)	Upstream Invert (ft)	Downstream Invert (ft)	Pipe Length (ft)	Gradient (ft/ft)	Pipe Area (ft ²)	Pipe Circ. (ft)	Manning's n	Pipe Cap. (cfs)	Val. Full (ft)	Check
Area A	3.37	1.69	4233.94	4233.95	34.00	0.0026	15	1.23	3.93	3.93	3.20	OK
Area B	1.83	3.37	4233.85	4233.41	176.00	0.0025	15	1.23	3.93	3.82	3.11	OK
Area C	1.24	0.92	4233.72	4233.63	34.00	0.0026	15	1.23	3.93	3.93	3.20	OK
Area D	1.51	1.83	4233.30	4233.20	132.00	0.0024	18	1.77	4.71	0.011	6.21	OK

POND A EXPANSION												
Damage Area to Pond:												
Weighted 'C' value for Pond Damage Area:		0.40		Hyd D		0.6		inches/hr =		0.0008 ft/min		
Allowable Infiltration Rate:		65 ft x		130 ft =		11050 sq ft		100 min/hr				
Pond Bottom Area:		0.0		cubic/acre								
Allowable Discharge Rate:												
100-Year Return Period												
Inflow (mm)	Precip. Depth (mm)	Area (ac)	C	CA(X)S(2) Inflow (ft ³ /min)	Allowable Discharge (ft ³ /min)	Actual Discharge (ft ³ /min)	Required Storage (ac-ft)					
5	0.54	1.82	0.4	2642.64	1434.5635	92	1389	0.03				
10	4.96	0.83	1.82	2642.64	2182.8206	92	2091	0.05				
15	4.08	1.02	1.82	2642.64	2695.4928	9	138.175	2557	0.06			
30	2.76	1.38	1.82	2642.64	4848.8432	9	278.25	3376	0.08			
60	1.71	1.82	0.4	2642.64	4815.3104	9	1105	3810	0.09			
120	0.63	1.90	1.82	0.4	2642.64	5620.7517	9	1657.5	3363	0.08		
360	0.35	2.12	1.82	0.4	2642.64	5620.3439	9	3315	2287	0.05		
720	0.22	2.80	1.82	0.4	2642.64	6970.6526	9	6530	241	0.01		
1440	0.12	2.88	0.4	2642.64	7610.8032	9	13350	0	0.00			

POND B CONSTRUCTION												
Damage Area to Pond:												
Weighted 'C' value for Pond Damage Area:		0.35		Hyd D		0.6		inches/hr =		0.0008 ft/min		
Allowable Infiltration Rate:		65 ft x		130 ft =		11050 sq ft		100 min/hr				
Pond Bottom Area:		0.2		cubic/acre								
Allowable Discharge Rate:												
100-Year Return Period												
Inflow (mm)	Precip. Depth (mm)	Area (ac)	C	CA(X)S(2) Inflow (ft ³ /min)	Allowable Discharge (ft ³ /min)	Actual Discharge (ft ³ /min)	Required Storage (ac-ft)					
5	0.54	1.82	0.4	2642.64	1434.5635	92	1389	0.03				
10	4.96	0.83	1.82	2642.64	2182.8206	92	2091	0.05				
15	4.08	1.02	1.82	2642.64	2695.4928	9	138.175	2557	0.06			
30	2.76	1.38	1.82	2642.64	4848.8432	9	278.25	3376	0.08			
60	1.71	1.82	0.4	2642.64	4815.3104	9	1105	3810	0.09			
120	0.63	1.90	1.82	0.4	2642.64	5620.7517	9	1657.5	3363	0.08		
360	0.35	2.12	1.82	0.4	2642.64	5620.3439	9	3315	2287	0.05		
720	0.22	2.80	1.82	0.4	2642.64	6970.6526	9	6530	241	0.01		
1440	0.12	2.88	0.4	2642.64	7610.8032	9	13350	0	0.00			



PROJECT TITLE
TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION

DRAWING TITLE
HYDROLOGY

DATE: DEC. 2021
 DRAWING No. 5

No.	REVISIONS/ SUBMISSIONS	DATE

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 CAD FILE: _____

DRAWN: _____
 PROJECT NO.: _____

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 (435)755-5121
 alliancelogan@yahoo.com

REGISTERED PROFESSIONAL ENGINEER
 NO. 38627
 ALLIANCE CONSULTING ENGINEERS
 UTAH
 5/16/2022
 STATE OF UTAH

TAYLOR LANDING PHASE 3

A CLUSTER SUBDIVISION

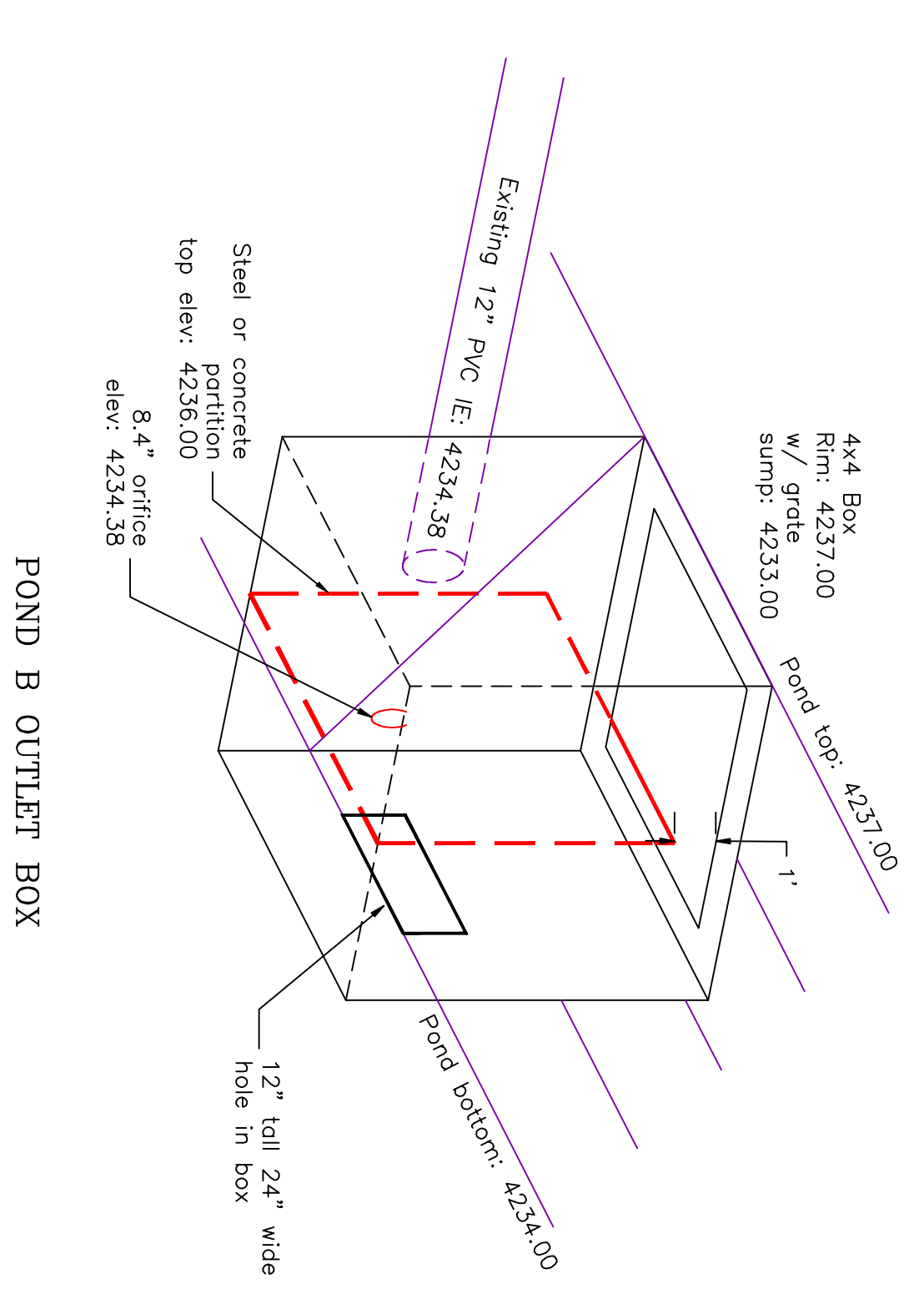
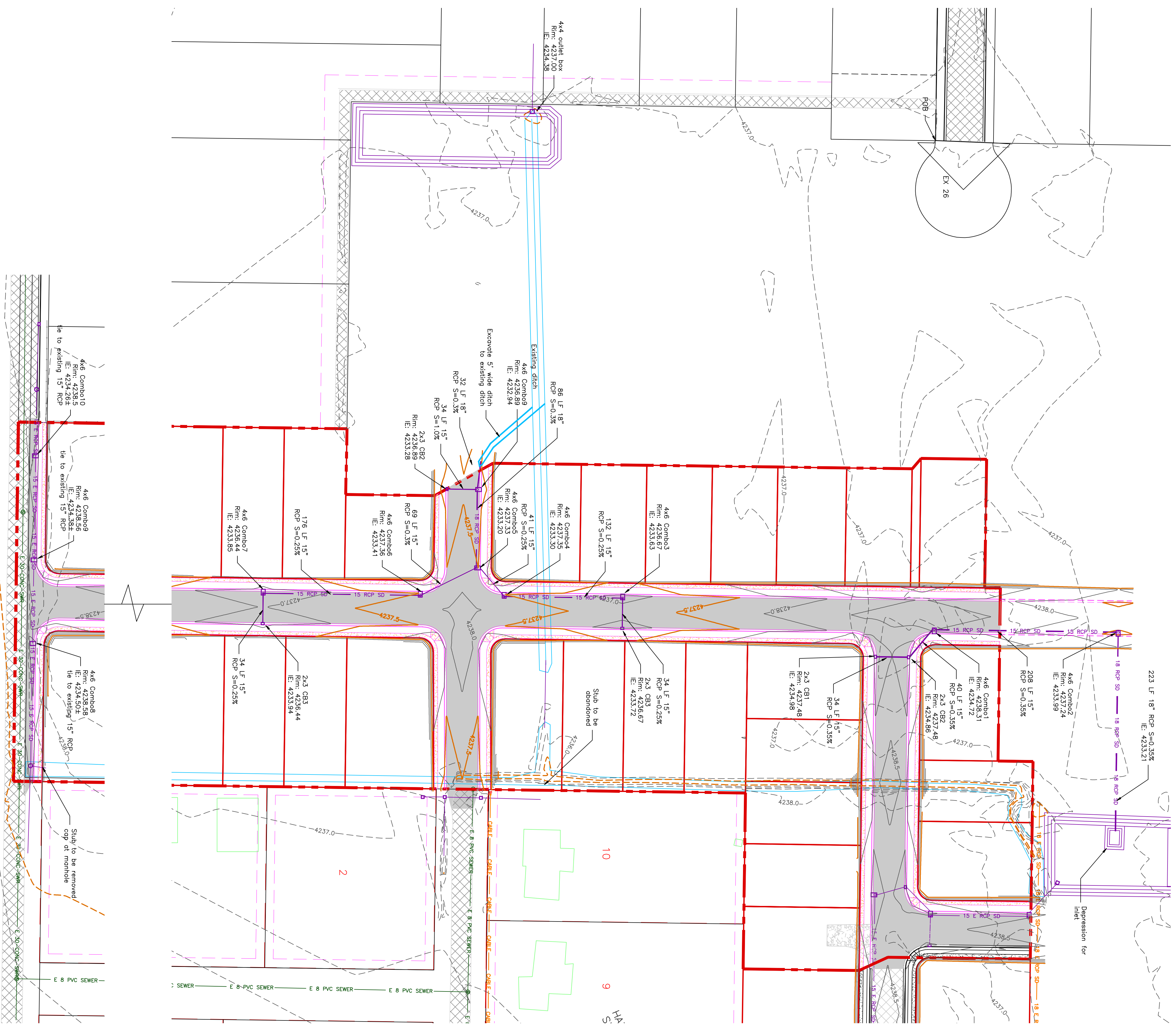
PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6 NORTH RANGE AND MERIDIAN SALT LAKE BASIN, TAYLOR, UTAH
WEBER COUNTY, TAYLOR, UTAH

GRADING / DRAINAGE PLAN



0 30 60 120
SCALE: 1" = 60' (24x36 PLAN SET)

- BOUNDARY LINE
- LOT LINE
- CENTERLINE
- UTILITY EASEMENT LINE
- EXISTING FENCE
- EXISTING STORM SYSTEM
- PROPOSED STORM SYSTEM AS NOTED
- EXISTING MAJOR CONTOUR (5')
- EXISTING MINOR CONTOUR (1')
- PROPOSED MAJOR CONTOUR (2.5')
- PROPOSED MINOR CONTOUR (0.5')
- EXISTING ASPHALT
- PROPOSED ASPHALT
- EXISTING ASPHALT
- PROPOSED ASPHALT
- EXISTING CONCRETE
- PROPOSED CONCRETE



PROJECT TITLE
**TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION**

DRAWING TITLE
GRADING / DRAINAGE PLAN

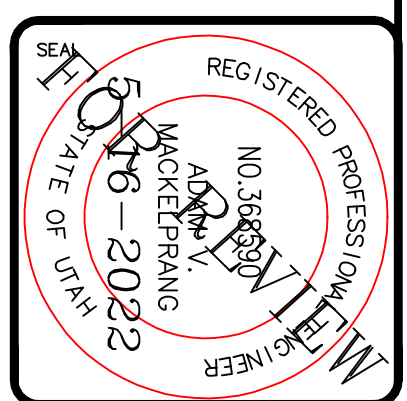
DATE: DEC. 2021
DRAWING NO. 6

No.	REVISIONS / SUBMISSIONS	DATE

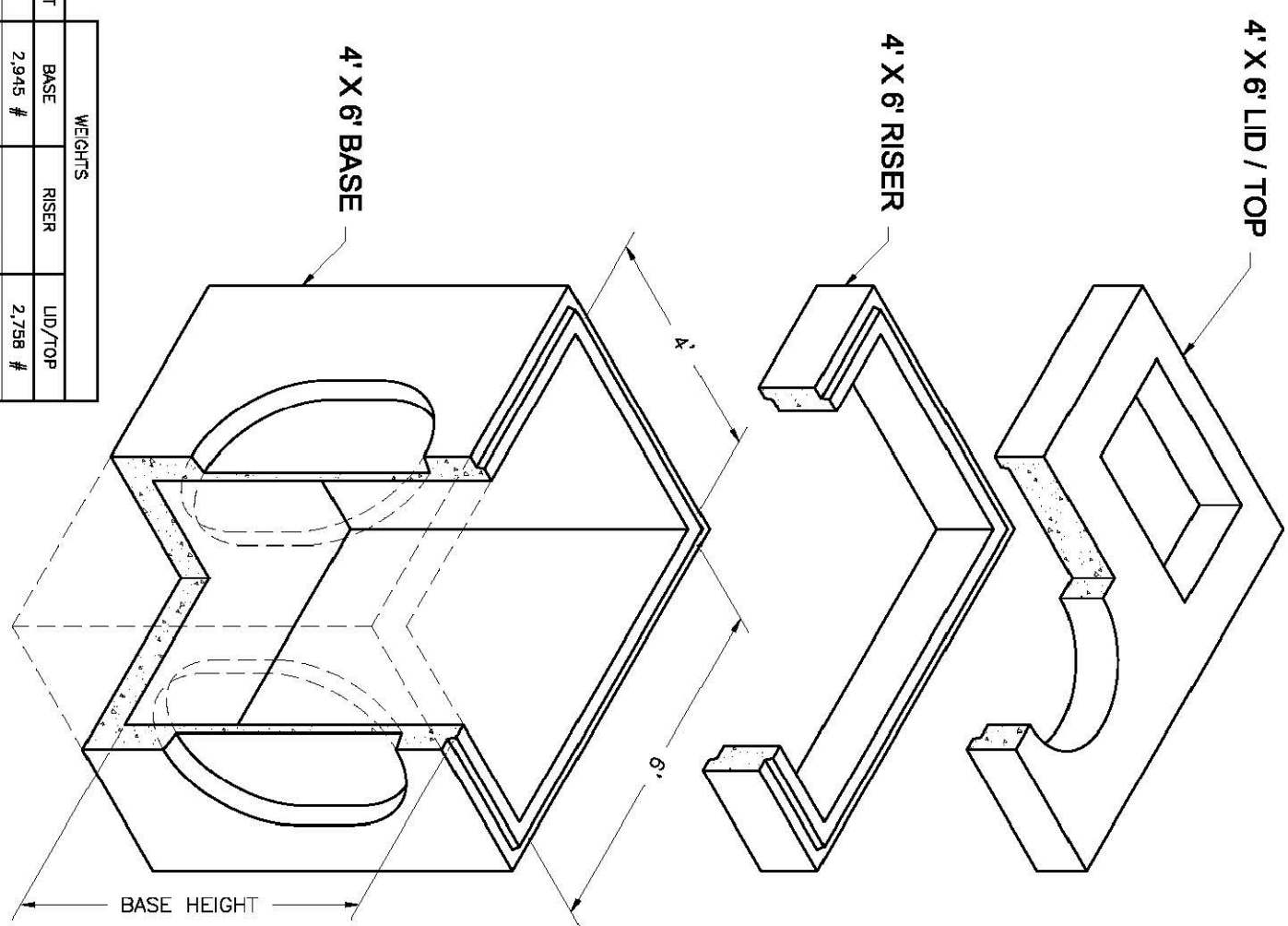
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150 EAST 200 NORTH SUITE P
LOGAN, UTAH 84321
(435)755-5121
alliancelogan@yahoo.com



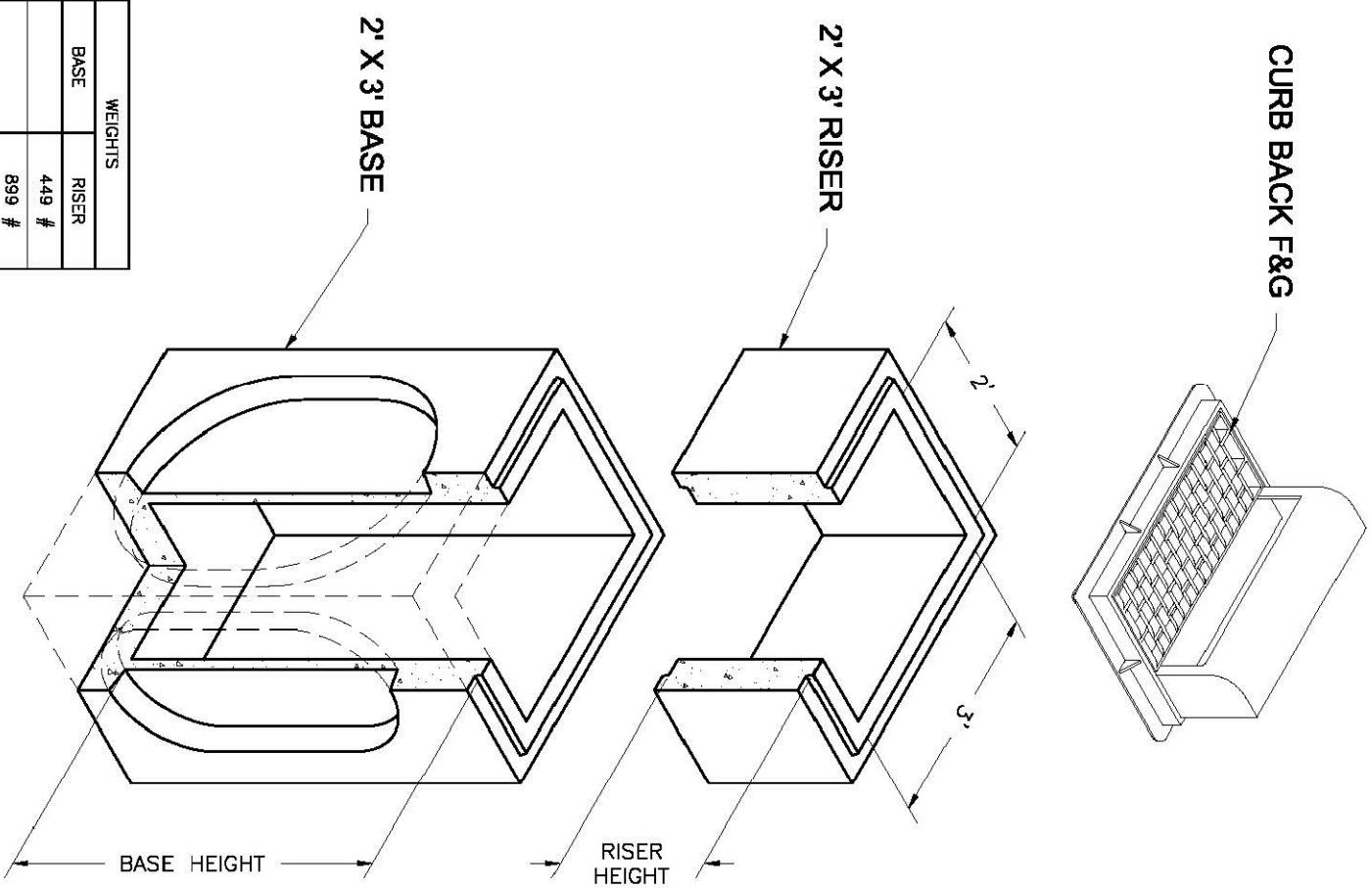
4'x6'
Combo
Basin, Risers and Lids



HEIGHT	BASE	RISER	LID/TOP
0'	2,945 #	2,798 #	
1'	1,850 #	3,300 #	
2'	7,277 #	4,950 #	
3'	2,877 #	6,704 #	6,704 #
4'	3,391 #	7,350 #	
5'	3,818 #	8,980 #	
6'		10,530 #	

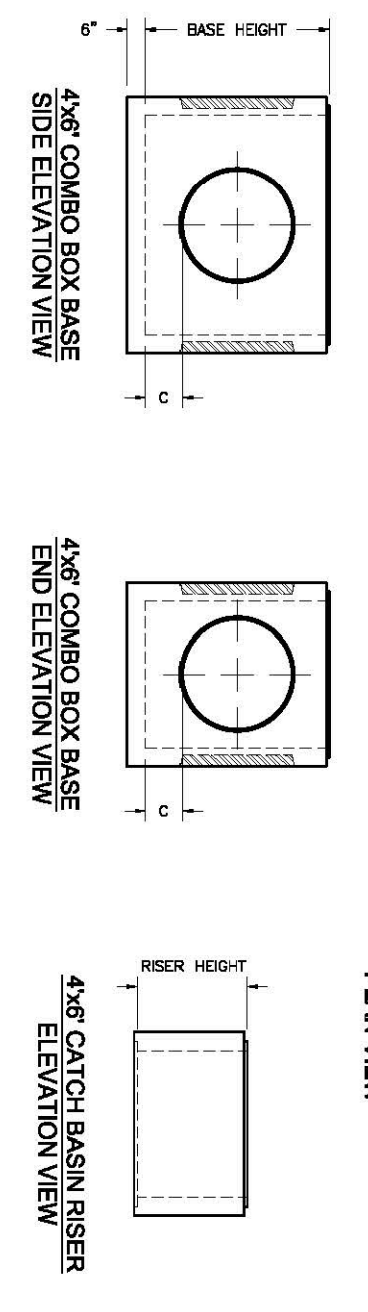
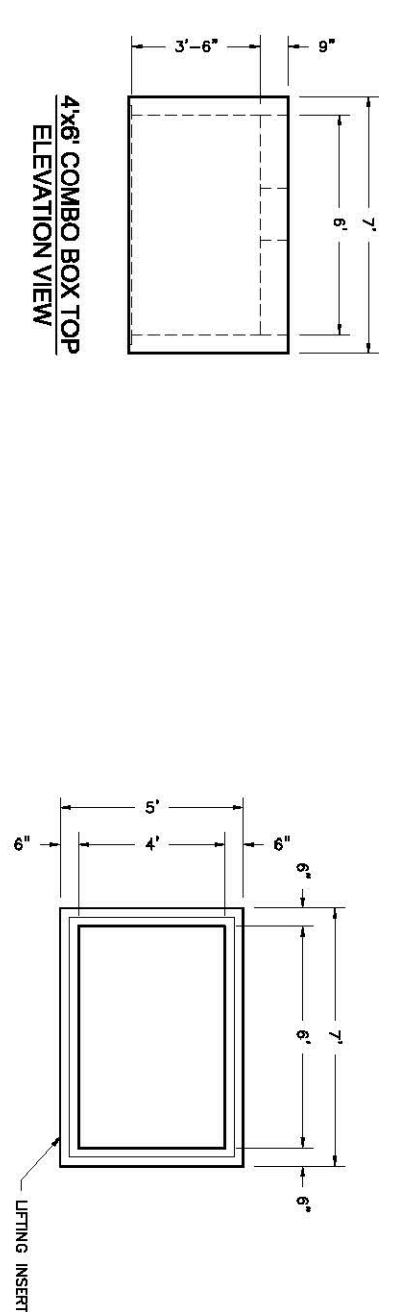
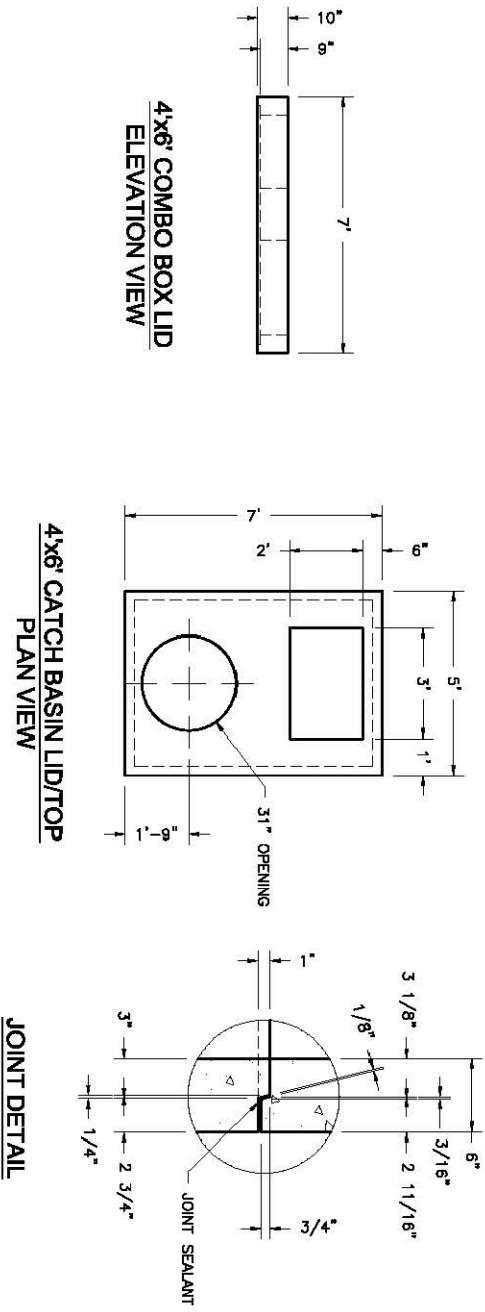
NOTES:
1. Your design complies with ASTM C-857 and C-858.
2. Lids are 20' square. 2' depth cover and on 2' riser. Lids are 20' square. 2' depth cover and on 2' riser. Lids are 20' square. 2' depth cover and on 2' riser. Lids are 20' square. 2' depth cover and on 2' riser.

2'x3'
Basin
2'x3' Catch Basin
Basins and Risers



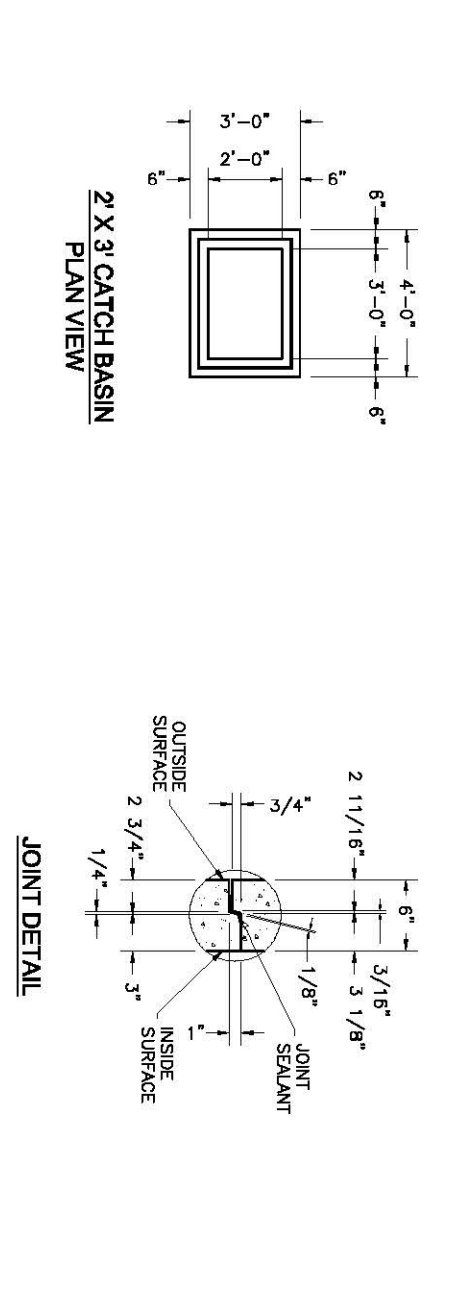
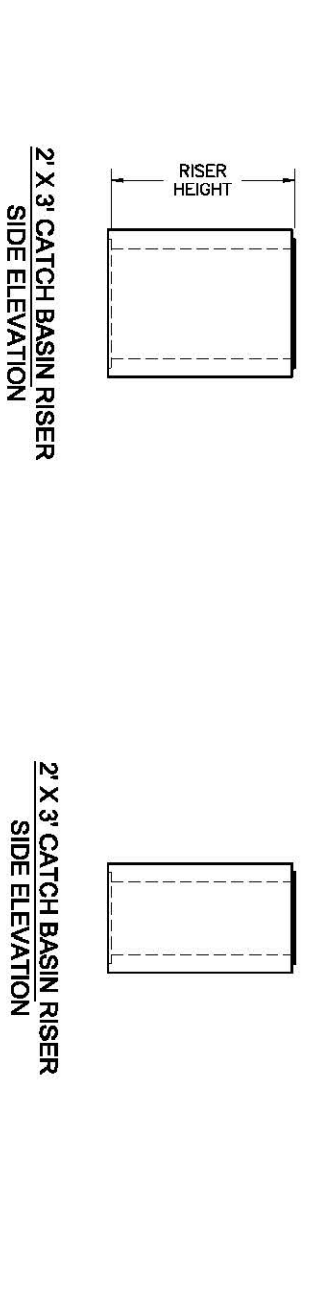
HEIGHT	BASE	RISER
0'	449 #	889 #
1'	1,290 #	1,290 #
2'	2,877 #	2,700 #
3'	3,391 #	3,600 #
5'	3,818 #	5,400 #

NOTES:
1. Your design complies with ASTM C-857 and C-858.
2. Lids are 20' square. 2' depth cover and on 2' riser. Lids are 20' square. 2' depth cover and on 2' riser. Lids are 20' square. 2' depth cover and on 2' riser.



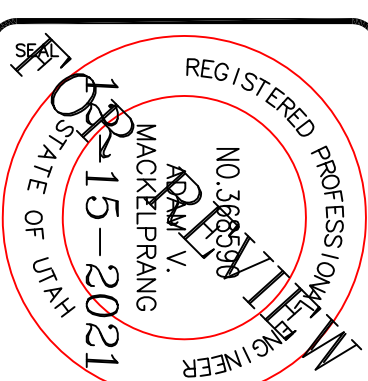
BASE HEIGHT	WIDE SIDE KNOCKOUT DIMENSIONS			NARROW SIDE KNOCKOUT DIMENSIONS		
	DIA.	A	B	DIA.	A	B
3'-4"	36"	36"	0"	36"	36"	0"
4'	36"	36"	0"	36"	36"	0"
5'	36"	36"	0"	36"	36"	0"
6'	36"	48"	12"	36"	48"	12"

Oldcastle Precast
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BASE HEIGHT	WIDE SIDE KNOCKOUT DIMENSIONS			NARROW SIDE KNOCKOUT DIMENSIONS		
	DIA.	A	B	DIA.	A	B
3'	27"	27"	0"	27"	27"	0"
4'	35"	35"	0"	34"	34"	0"
5'	38"	48"	12"	47"	47"	23"

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PROJECT TITLE
**TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION**

DRAWING TITLE
DETAILS

DATE: DEC. 2021
DRAWING No. 8