### TAYLORCLUSTERANDING SUBDIVISION PHASE $\mathbb{C}$

9  $\circ$ NORTH,

NORTH HALF OF SECTION 28, TOWNSHIP RANGE 2 WEST,

SALT LAKE BASELINE AND MERIDIAN WEBER COUNTY, TAYLOR, UTAH

INDEX SHEET



## SIERRA HOMES OWNER/DEVELOPER

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

9	$\infty$	7	0	S	4	3	2		SHEET NO.	S
DETAILS	DETAILS	DETAILS	GRADING/DRAINAGE PLAN	HYDROLOGY	2100/2200 SOUTH ROAD PLAN	4140 WEST ROAD PLAN	4085 WEST/2025 SOUTH ROAD PLAN	INDEX SHEET	SHEET DESCRIPTION	HEET INDEX

2. 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 DOING SUCH IS DONE SO AT THE CONTRACTORS EXPENSE. 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, WEBER COUNTY STANDARDS, STATE OF UTAH AND ANY OTHER APPLICABLE STANDARDS ISSUED BY THE CONTROLLING AGENCY.

5. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION FROM ALL NEW CONSTRUCTION TO EXISTING CONDITIONS. 8. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, INCLUDING FIBER OPTIC. ANY DAMAGES TO EXISTING UTILITIES WILL BE REPAIRED AT CONTRACTORS EXPENSE. 3. CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY AREAS AND/OR MATERIALS DAMAGED DURING CONSTRUCTION. 9. DIMENSIONS SHOWN ARE TO THE CENTER OF THE PIPELINE UNLESS OTHERWISE NOTED. 6. 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. URVEY MONUMENTS TO BE REPLACED BY A REGISTERED, LICENSED LAND SURVEYOR. CONTRACTOR SHALL MAINTAIN ALL ADJACENT PROPERTY (PUBLIC & PRIVATE) FROM L CONSTRUCTION DEBRIS.

10. 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. 12. CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATER NECESSARY FOR DUST ABATEMENT, COMPACTION, ETC. 11. 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. 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SOURCES FOR GRANULAR MATERIALS, WATER, WASTE SITES, AND ANY OTHER MATERIALS SOURCES AS REQUIRED FOR PROJECT COMPLETION. 14. ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE TRANSPORTATION AGENCY AND SHALL MEET THE REQUIREMENTS OF THAT AGENCY AND THE REQUIREMENTS OF ANY RIGHT-OF-WAY OR SPECIAL USE PERMITS.

18. 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. 16. 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. 15. THE CONTRACTOR SHALL COORDINATE ALL LIVE TAPS AND ANY OTHER WORK OR MANIPULATION OF THE EXISTING WATER SYSTEM WITH THE TAYLOR—WEST WEBER WATER IMVPROVEMENT DISTRICT, 24 HOURS IN ADVANCE OF AN PRE—CONSTRUCITON MEETING AND CONSTRUCTION ACTIVITY. 801—731—1668. 17. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS DETAILED IN THE PROJECT PLANS UNTIL FINAL ACCEPTANCE OF THIS PROJECT.

19. 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.

24. ALL WORK ON THE SECONDARY WATER SYSTEM IS TO BE DONE IN ACCORDANCE WITH HOOPER IRRIGATION COMPANY STANDARDS. 23. ALL WATER SYSTEM COMPONENTS SHALL BE INSTALLED, PRESSURE TESTED, AND CHLORINATED PRIOR TO COMPLETING ANY ROADWAY CONSTRUCTION. 22. THE CONTRACTOR SHALL COORDINATE WITH WEBER COUNTY FOR ALL UTILITY INSPECTIONS PRIOR TO BACKFILLING. 21. 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. 20. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS, HARDWARE, LABOR, ETC. CONSTRUCT VERTICAL AND HORIZONTAL BENDS IN PIPE AS NEEDED TO MEET THE REQUIRED GRADES, ALIGNMENTS AND COVER REQUIREMENTS.

# COUNYT 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

DRAWING TITLE

TAYLOR LANDING PHASE 3 A CLUSTER SUBDIVISION

INDEX SHEET

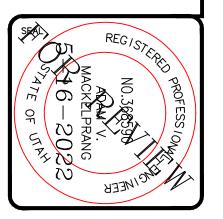
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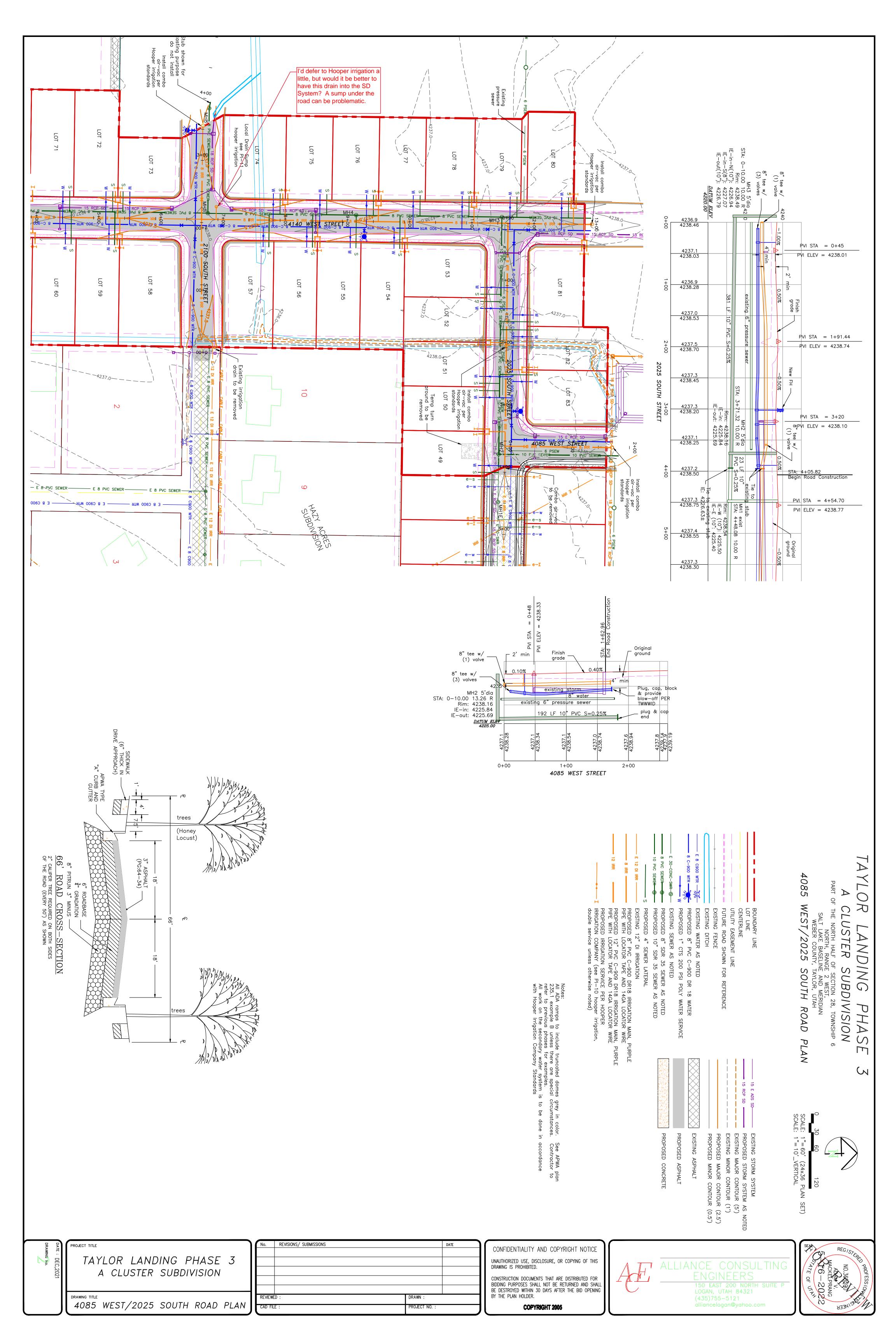
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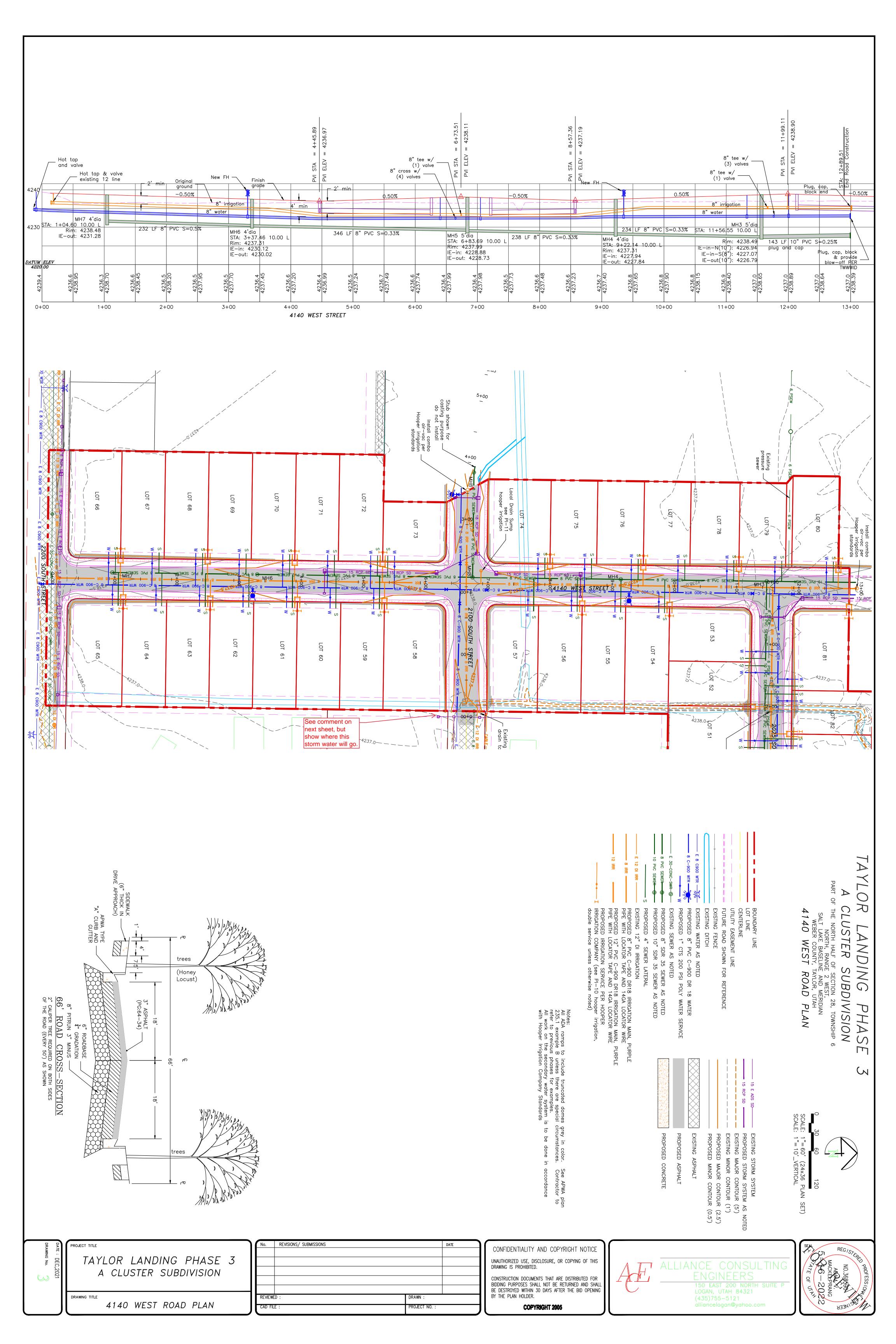
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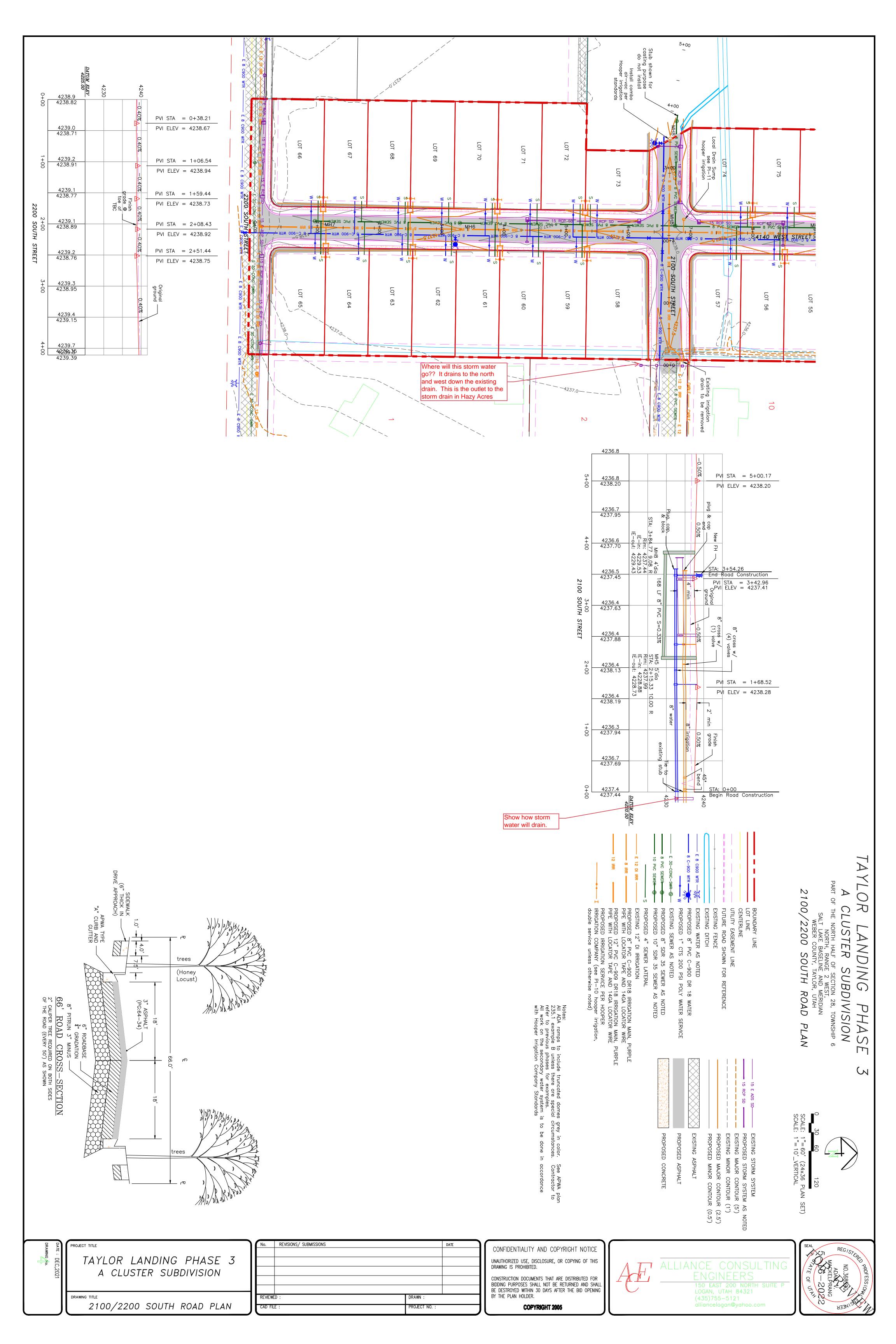
BY THE PLAN HOLDER.

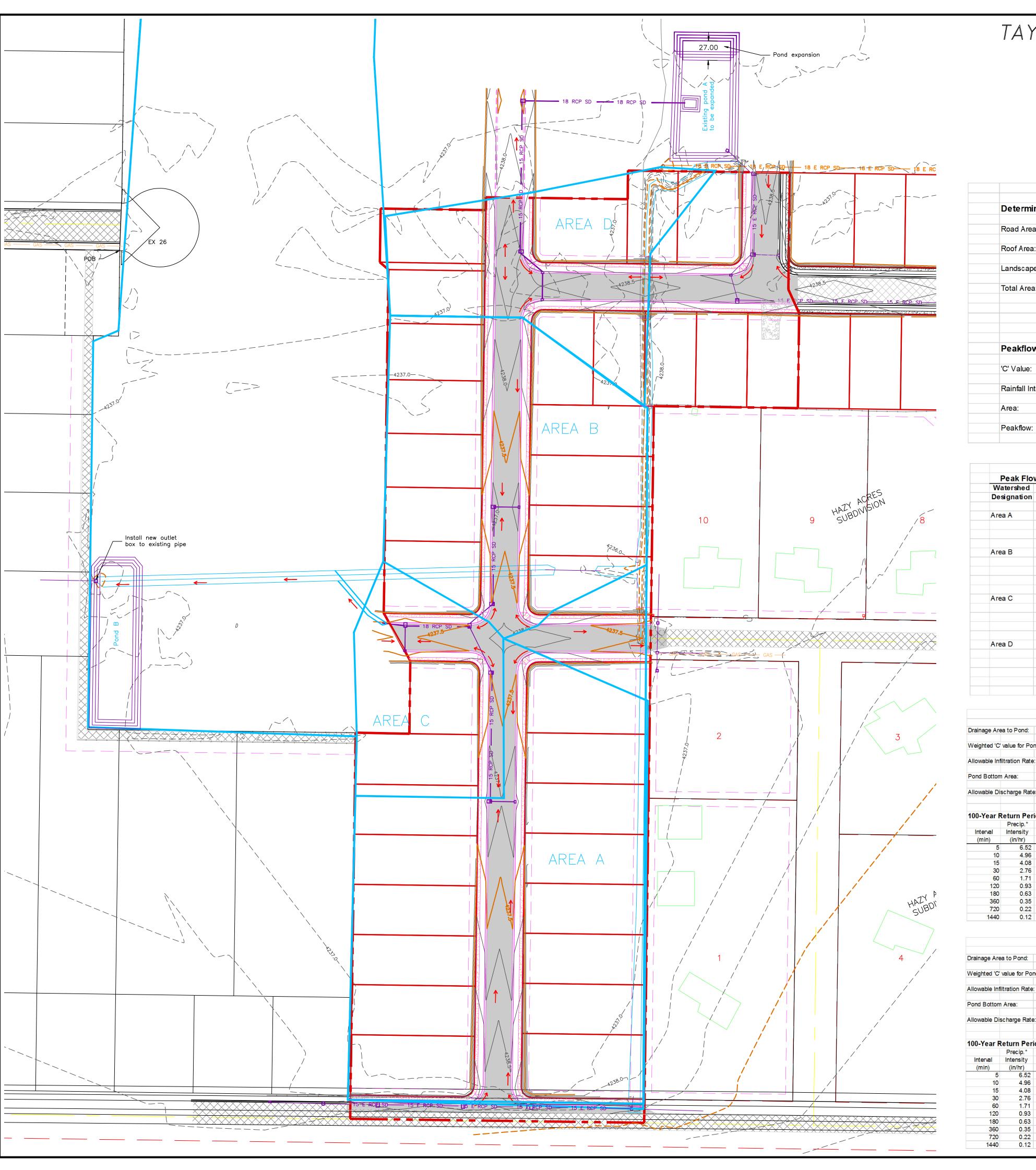










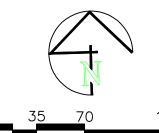


### TAYLOR LANDING PHASE 3

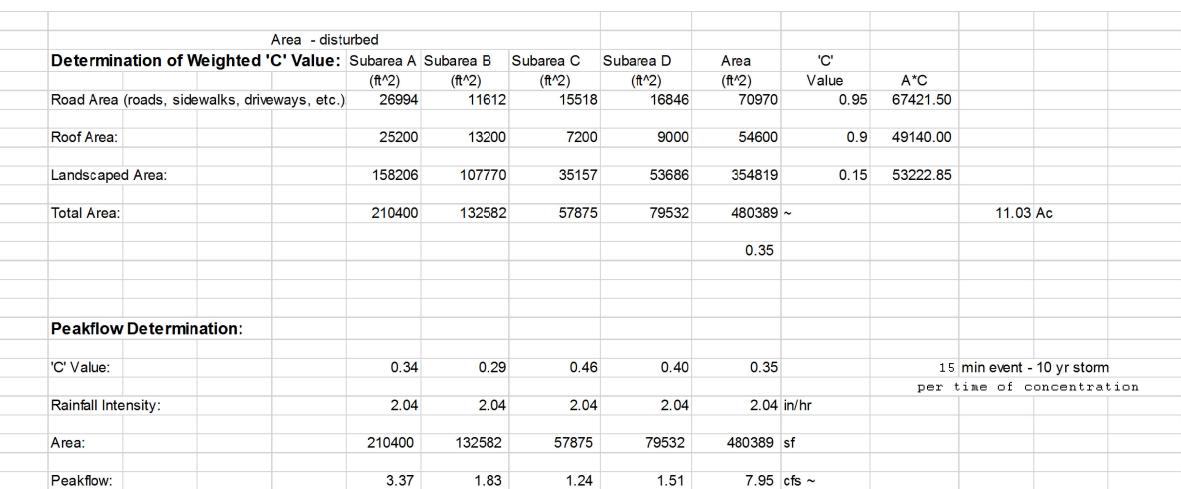
### A CLUSTER SUBDIVISION

PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6
NORTH, RANGE 2 WEST,
SALT LAKE BASELINE AND MERIDIAN
WEBER COUNTY, TAYLOR, UTAH

HYDROLOGY



SCALE: 1"=70' (24x36 PLAN SET)

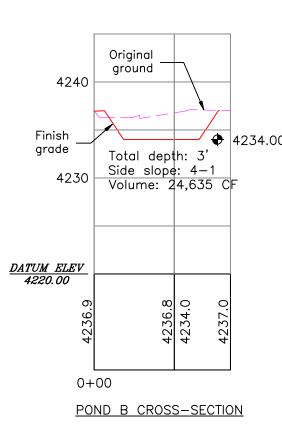


Peak Flow	/ Determi	nation	Pipe Hydraulics											
Watershed	Q	Total Q	Pipe	Upstream	Downstream	Pipe	Gradient	Pipe Size	Pipe Area	Pipe Circ.	Manning's	Pipe Cap.	Vel. Full	Chec
Designation	(cfs)	(cfs)	I.D.	Invert	Invert	Length	(ft/ft)	(in)	(ft^2)	(ft)	n	(cfs)	(fps)	
				(ft)	(ft)	(ft)								
Area A	3.37													
		1.69	CB3-Combo8	4233.94	4233.85	34.00	0.0026	15	1.23	3.93	0.011	3.93	3.20	OK
		3.37	Combo8-Combo7	4233.85	4233.41	176.00	0.0025	15	1.23	3.93	0.011	3.82	3.11	OK
Area B	1.83													
		0.92	CB3-Combo3	4233.72	4233.63	34.00	0.0026	15	1.23	3.93	0.011	3.93	3.20	OK
		1.83	Combo3-Combo4	4233.63	4233.30	132.00	0.0025	18	1.77	4.71	0.011	6.21	3.51	OK
		1.83	Combo4-Combo6	4233.30	4233.20	41.00	0.0024	18	1.77	4.71	0.011	6.13	3.47	OK
Area C	1.24													
		3.99	Combo7-Combo6	4233.41	4233.20	69.00	0.0030	15	1.23	3.93	0.011	4.21	3.43	OK
		5.82	Combo6-Combo9	4233.20	4232.94	86.00	0.0030	18	1.77	4.71	0.011	6.83	3.86	OK
		6.44	Combo9-swale	4232.94	4232.84	32.00	0.0031	18	1.77	4.71	0.011	6.94	3.93	OK
Area D	1.51													
		0.76	CB1-CB2	4234.98	4234.86	34.00	0.0035	15	1.23	3.93	0.011	4.54	3.70	
		1.51	CB2-Combo1	4234.86	4234.72	40.00	0.0035	15	1.23	3.93	0.011	4.52	3.68	OK
		1.51	Combo1-Combo2	4234.72	4233.99	208.00	0.0035	15	1.23	3.93	0.011	4.52	3.69	OK
		1.51	Combo2-pond	4233.99	4232.04	217.00	0.0090	18	1.77	4.71	0.011	11.77	6.66	OK

						) A EXPAI					
Drainage Are	ea to Pond:				1.82	acres					
Weighted 'C'	value for Pon	d Drainage	Area:		0.40						
Allowable Inf	iltration Rate:		Hyd D		0.6	inches/hr =	0.0008	ft/min	100	min/inch	
Pond Bottom	Area:			85	ft x	130	ft =	11050	sq. ft.		
Allowable Dis	scharge Rate:				0.0	cfs/acre					
100-Year R	Return Perio						A	Allowable	Accuse	D	اه مداد
lut an al	Precip.*	Precip.	Λ ν.σ.	_	С	Cx Ax 3630	Accum.		Accum.	Requ	
Interval (min)	Intensity (in/hr)	Depth (in)	Are (ac	-	Value	(ft^3/in)	(ft3/min)	Discharge (ft^3/min)	Discharge (ft^3)	Stor (ft^3)	age (ac-ft)
(11111)	6.52	0.54	(ac	1.82		1	,		(11.3)	1	(ac-it)
10	4.96	0.83		1.82				_	92		0.0
15	4.08	1.02		1.82					138.125		0.0
30	2.76	1.38		1.82				_	276.25		0.0
60	1.71	1.71		1.82					552.5		0.0
120	0.93	1.86		1.82	0.4			-	1105		0.0
180	0.63	1.90		1.82	0.4	2642.64	5020.7517	9	1657.5	3363	0.0
360	0.35	2.12		1.82	0.4	2642.64	5602.3439	9	3315	2287	0.0
720	0.22	2.60		1.82	0.4	2642.64	6870.6526	9	6630	241	0.0
1440	0.12	2.88		1.82	0.4	2642.64	7610.8032	9	13260	0	0.0

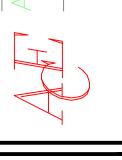
					POND E	3 CONSTR	RUCTION					
Drainage Are	a to Pond:				9.20	acres						1cfs
Weighted 'C'	value for Pon	d Drainage	Area:		0.35							<u>is</u>
<b>J</b>												
Allowable Infi	Itration Rate:		Hyd D		0.6	inches/hr =	0.0008	ft/min	100	min/inch	Allowable	discharge
											⊗	ha
Pond Bottom	Area:			85	ft x	130	ft =	11050	sq. ft.		<u>_</u>	<u>s</u>
Allowable Die	scharge Rate:				0.2	cfs/acre					≰	0
Allowable Dis	scriarge Rate.				( 0.2	CIS/acie						
100-Year R	eturn Perio	od										
	Precip.*	Precip.					Accum.	Allowable	Accum.	Requ	ired	
Interval	Intensity	Depth	Area	1	С	Cx Ax 3630	Inflow	Discharge	Discharge	Stora		
(min)	(in/hr)	(in)	(ac)		Value	(ft^3/in)	(ft3/min)	(ft^3/min)	(ft^3)	(ft^3)	(ac-ft	)
5	6.52	0.54		9.2	0.35	11688.6	6346.9098	120	598	5749	0	.13
10	4.96	0.83		9.2	0.35	11688.6	9654.7836	120	1196	8459	0	.19
15	4.08	1.02		9.2	0.35	11688.6	11922.372	120	1794.125	10128	0	.23
30	2.76	1.38		9.2	0.35	11688.6	16130.268	120	3588.25	12542	0	.29
60	1.71	1.71		9.2	0.35	11688.6	19987.506	120	7176.5	12811	0	.29
120	0.93	1.86		9.2	0.35	11688.6	21740.796	120	14353	7388	0	.17
180	0.63	1.90		9.2	0.35	11688.6	22207.171	120	21529.5	678	0	.02
360	0.35	2.12		9.2	0.35	11688.6	24779.598	120	43059	0	0	.00
720	0.22	2.60		9.2	0.35	11688.6	30389.425	120	86118	0	0	.00
1440	0.12	2 88		92	0.35	11688 6	33663 168	120	172236	0	0	00

Pond A Cross-Section Detail



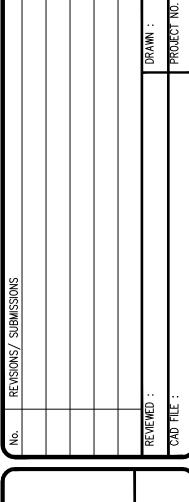
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TAYLOR LANDING PHASE 3
A CLUSTER SUBDIVISION

PRAWING TITE
HYDROLOGY

DATE : DEC,2021

DRAWING No.

