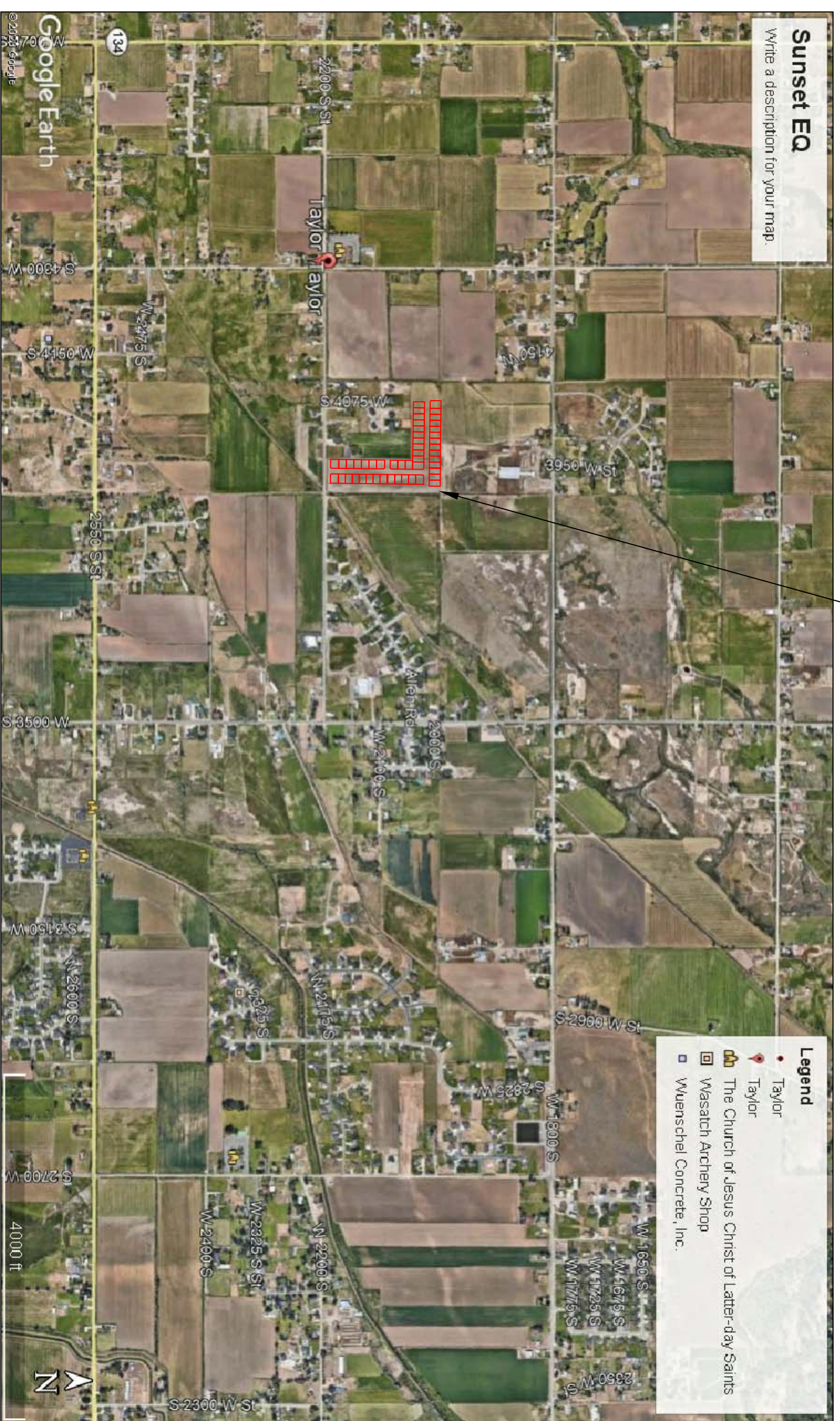


**TAYLOR LANDING PHASE 1A/2**  
**A CLUSTER SUBDIVISION**  
 PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6 NORTH,  
 RANGE 2 WEST,  
 SALT LAKE BASELINE AND MERIDIAN  
 WEBER COUNTY, TAYLOR, UTAH  
**INDEX SHEET**



**VICINITY MAP**

SHEET NO.	SHEET DESCRIPTION
1	INDEX SHEET
2	MASTERPLAN
3	3940 WEST/2100 SOUTH ROAD PLAN
4	2025 SOUTH/3900 WEST ROAD PLAN
5	IRRIGATION RE-ROUTE PLAN
6	EAST GRADING/DRAINAGE PLAN
7	WEST GRADING/DRAINAGE PLAN
8	DETAILS

**OWNER/DEVELOPER**  
**SIERRA HOMES**

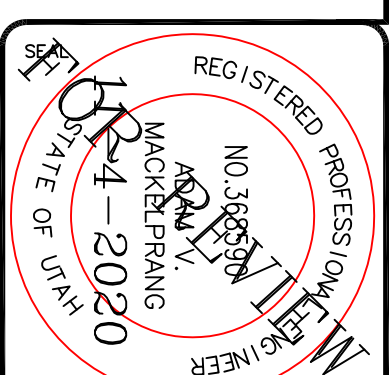
**CIVIL ENGINEER**  
**ALLIANCE CONSULTING ENGINEERS, INC.**  
**150 EAST 200 NORTH SUITE P**  
**LOGAN, UTAH 84321**  
**435-755-5121**

- GENERAL NOTES (APPLICABLE TO ALL CIVIL SHEETS)**
1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND STANDARD SPECIFICATIONS OF UTAH AND ANY OTHER APPLICABLE STANDARDS ISSUED BY THE CONTROLLING AGENCY.
  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 DOWNSHOTS IS DONE SO AT THE CONTRACTOR'S EXPENSE.
  3. CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY AREAS AND/OR MATERIALS DAMAGED DURING CONSTRUCTION.
  4. CONTRACTOR SHALL MAINTAIN ALL ADJACENT PROPERTY (PUBLIC & PRIVATE) FROM ALL CONSTRUCTION DEBRIS.
  5. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION FROM ALL NEW CONSTRUCTION TO EXISTING CONDITIONS.
  6. CONTRACTOR SHALL PROVIDE ALL NECESSARY AUTOMOBILE AND PEDESTRIAN TRAFFIC CONTROL DEVICES REQUIRED BY LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
  7. CONTRACTOR SHALL REPLACE SURVEY MONUMENTS DAMAGED DURING CONSTRUCTION. SURVEY MONUMENTS TO BE REPLACED BY A REGISTERED, LICENSED LAND SURVEYOR.
  8. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, INCLUDING FIBER OPTIC. ANY DAMAGES TO EXISTING UTILITIES WILL BE REPAIRED AT CONTRACTOR'S EXPENSE.
  9. DIMENSIONS SHOWN ARE TO THE CENTER OF THE PIPELINE UNLESS OTHERWISE NOTED.
  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.
  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 CONTRACTOR'S RISK AND EXPENSE IF ERRORS OCCUR.
  12. CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATER NECESSARY FOR DUST ABATEMENT, COMPACTON, ETC.
  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 THAT AGENCY AND THE REQUIREMENTS OF ANY RIGHT-OF-WAY OR SPECIAL USE PERMITS.
  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 IMPROVEMENT DISTRICT, 24 HOURS IN ADVANCE OF AN PRE-CONSTRUCTION MEETING AND CONSTRUCTION ACTIVITY. 801-731-1688.
  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.
  17. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS DETAILED IN THE PROJECT PLANS UNTIL FINAL ACCEPTANCE OF THIS PROJECT.
  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.
  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.
  20. 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.
  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.
  22. THE CONTRACTOR SHALL COORDINATE WITH WEBER COUNTY FOR ALL UTILITY INSPECTIONS PRIOR TO BACKFILLING.
  23. ALL WATER SYSTEM COMPONENTS SHALL BE INSTALLED, PRESSURE TESTED, AND CHLORINATED PRIOR TO COMPLETING ANY ROADWAY CONSTRUCTION.
  24. ALL WORK ON THE SECONDARY WATER SYSTEM IS TO BE DONE IN ACCORDANCE WITH HOOPER IRRIGATION COMPANY STANDARDS.

**CITY 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

**CONFIDENTIALITY AND COPYRIGHT NOTICE**  
 UNAUTHORIZED USE, DISCLOSURE, OR COPYING OF THIS DRAWING IS PROHIBITED.  
 CONSTRUCTION DOCUMENTS THAT ARE DISTRIBUTED FOR BIDDING PURPOSES SHALL NOT BE RETURNED AND SHALL BE DESTROYED WITHIN 30 DAYS AFTER THE BID OPENING BY THE PLAN HOLDER.  
**COPYRIGHT 2005**

No.	REVISIONS/ SUBMISSIONS	DATE

REVIEWED :	DRAWN :
CAD FILE :	PROJECT NO. :

**TAYLOR LANDING PHASE 1A/2**  
**A CLUSTER SUBDIVISION**

**INDEX SHEET**

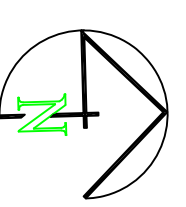
DATE : NOV/2020  
 DRAWING NO. 11

# TAYLOR LANDING PHASE 1A/2

## A CLUSTER SUBDIVISION

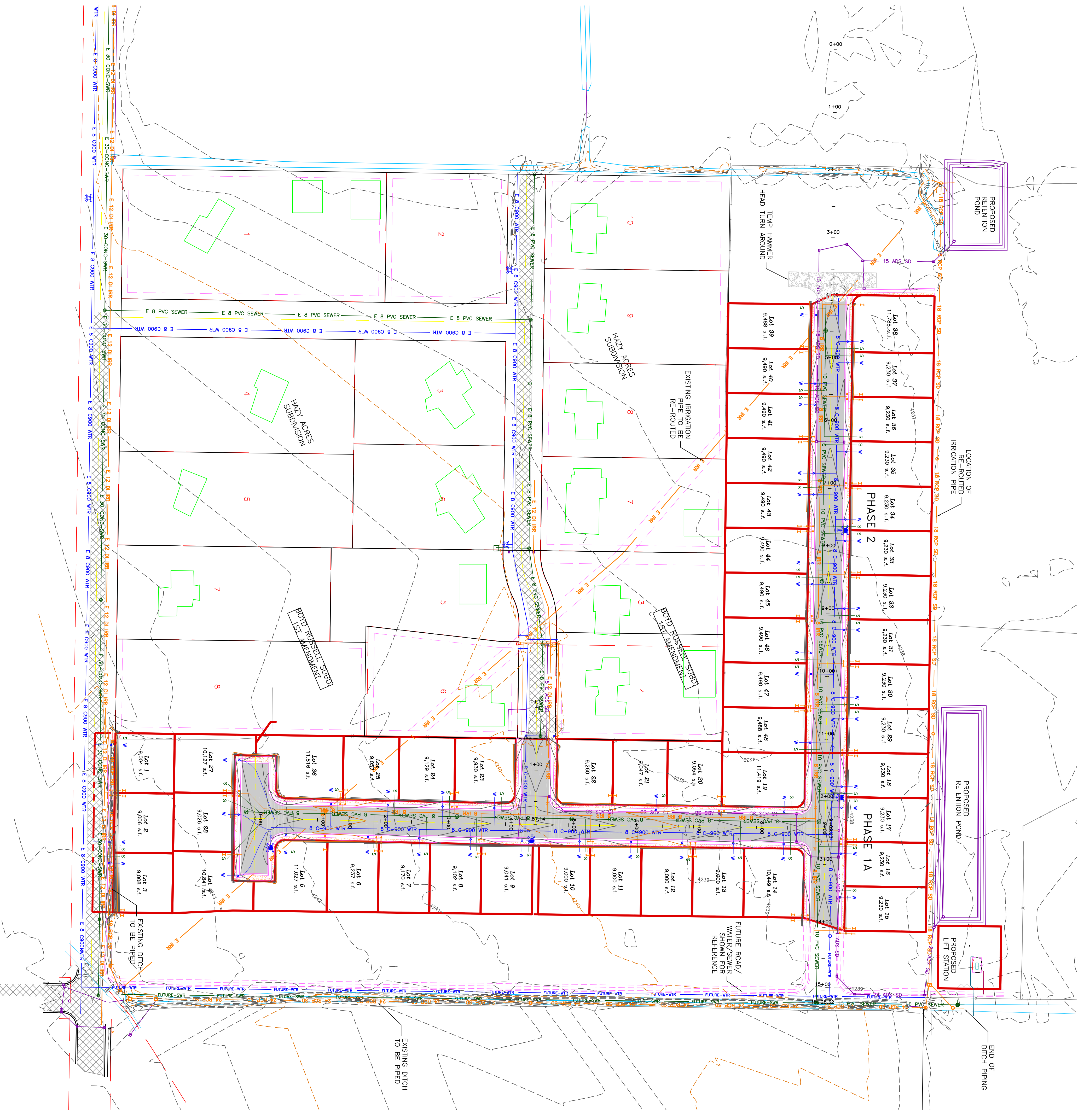
PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6  
NORTH RANGE 2 WEST  
SALT LAKE BASIN AND MERIDIAN  
WEBER COUNTY, TAYLOR, UTAH

### MASTERPLAN



0 40 80 160  
SCALE: 1"=80' (2x/3x PLAN SET)

- BOUNDARY LINE
- LOT LINE
- CENTERLINE
- UTILITY EASEMENT LINE
- FUTURE ROAD SHOWN FOR REFERENCE
- EXISTING FENCE
- EXISTING DITCH
- EXISTING WATER AS NOTED
- EXISTING 8" PVC C-900 DR 18 WATER
- PROPOSED 1" CIS 200 PSI POLY WATER SERVICE
- FUTURE WATER SHOWN FOR REFERENCE
- EXISTING SEWER AS NOTED
- PROPOSED 8" SDR 35 SEWER AS NOTED
- PROPOSED 10" SDR 35 SEWER AS NOTED
- PROPOSED 4" SEWER LATERAL
- FUTURE SEWER SHOWN FOR REFERENCE
- EXISTING 12" DI IRRIGATION
- PROPOSED 8" PVC C-900 DR18 IRRIGATION MAIN
- PROPOSED 12" PVC C-900 DR18 IRRIGATION MAIN
- PROPOSED IRRIGATION SERVICE PER HOOPERS PROJECT (UNAPPROVED) (1" DI 10" SDR IRRIGATION, double service unless otherwise noted)
- EXISTING STORM SYSTEM
- PROPOSED STORM SYSTEM AS NOTED
- EXISTING MAJOR CONTOUR (5')
- EXISTING MINOR CONTOUR (1')
- EXISTING ASPHALT
- PROPOSED ASPHALT
- PROPOSED CONCRETE



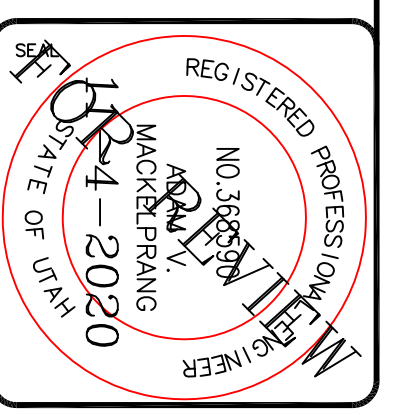
PROJECT TITLE	TAYLOR LANDING PHASE 1A/2 A CLUSTER SUBDIVISION	
DRAWING TITLE	MASTERPLAN	

No.	REVISIONS/ SUBMISSIONS	DATE

REVIEWED :	DRAWN :
CAD FILE :	PROJECT NO. :

**CONFIDENTIALITY AND COPYRIGHT NOTICE**  
UNAUTHORIZED USE, DISCLOSURE, OR COPYING OF THIS DRAWING IS PROHIBITED.  
CONSTRUCTION DOCUMENTS THAT ARE DISTRIBUTED FOR BIDDING PURPOSES SHALL NOT BE RETURNED AND SHALL BE DESTROYED WITHIN 30 DAYS AFTER THE BID OPENING BY THE PLAN HOLDER.  
COPYRIGHT 2005

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



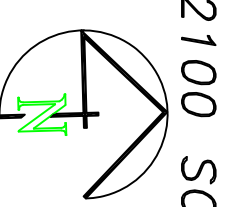
DATE : NOV, 2020  
DRAWING No. 3

# TAYLOR LANDING PHASE 1A/2

## A CLUSTER SUBDIVISION

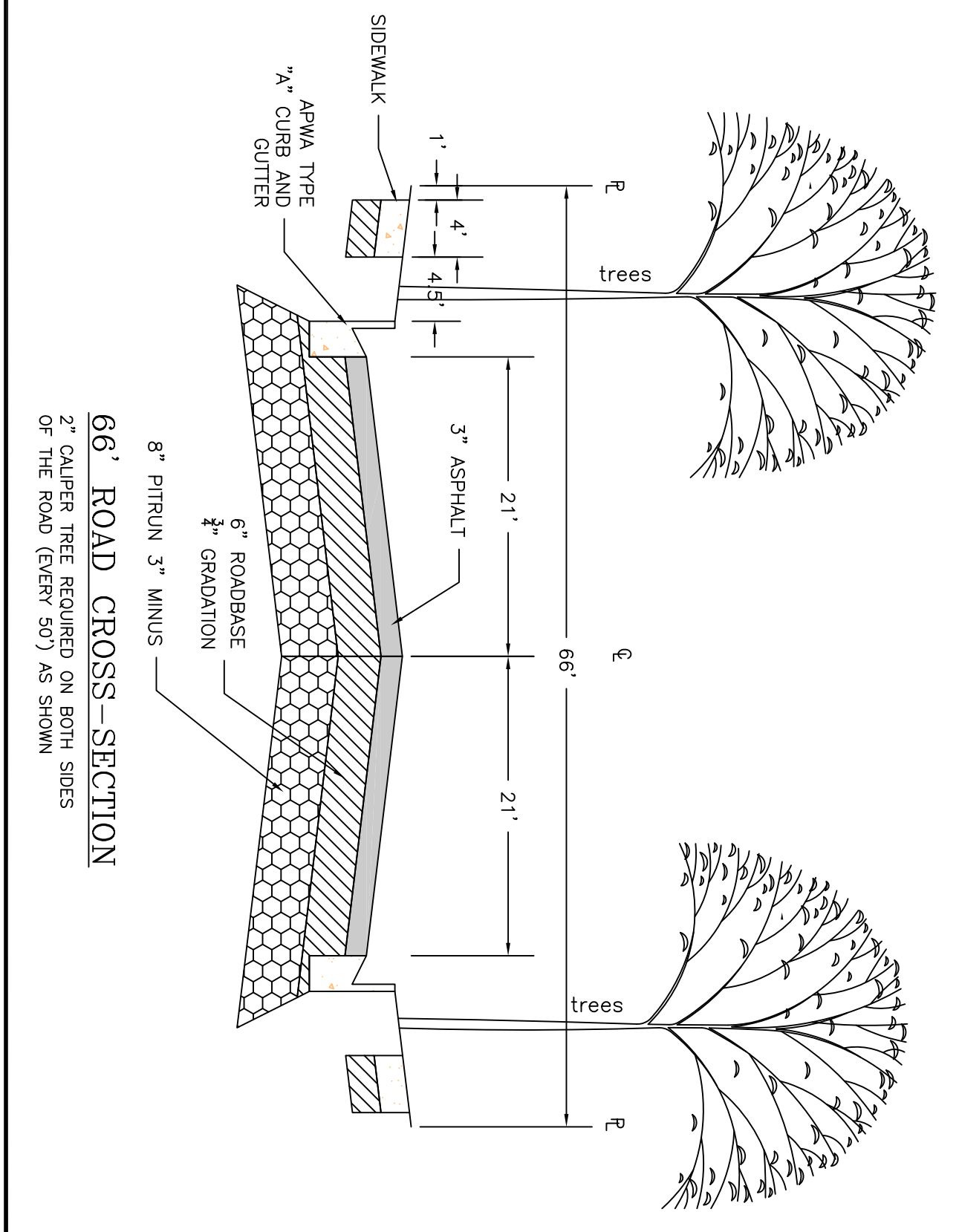
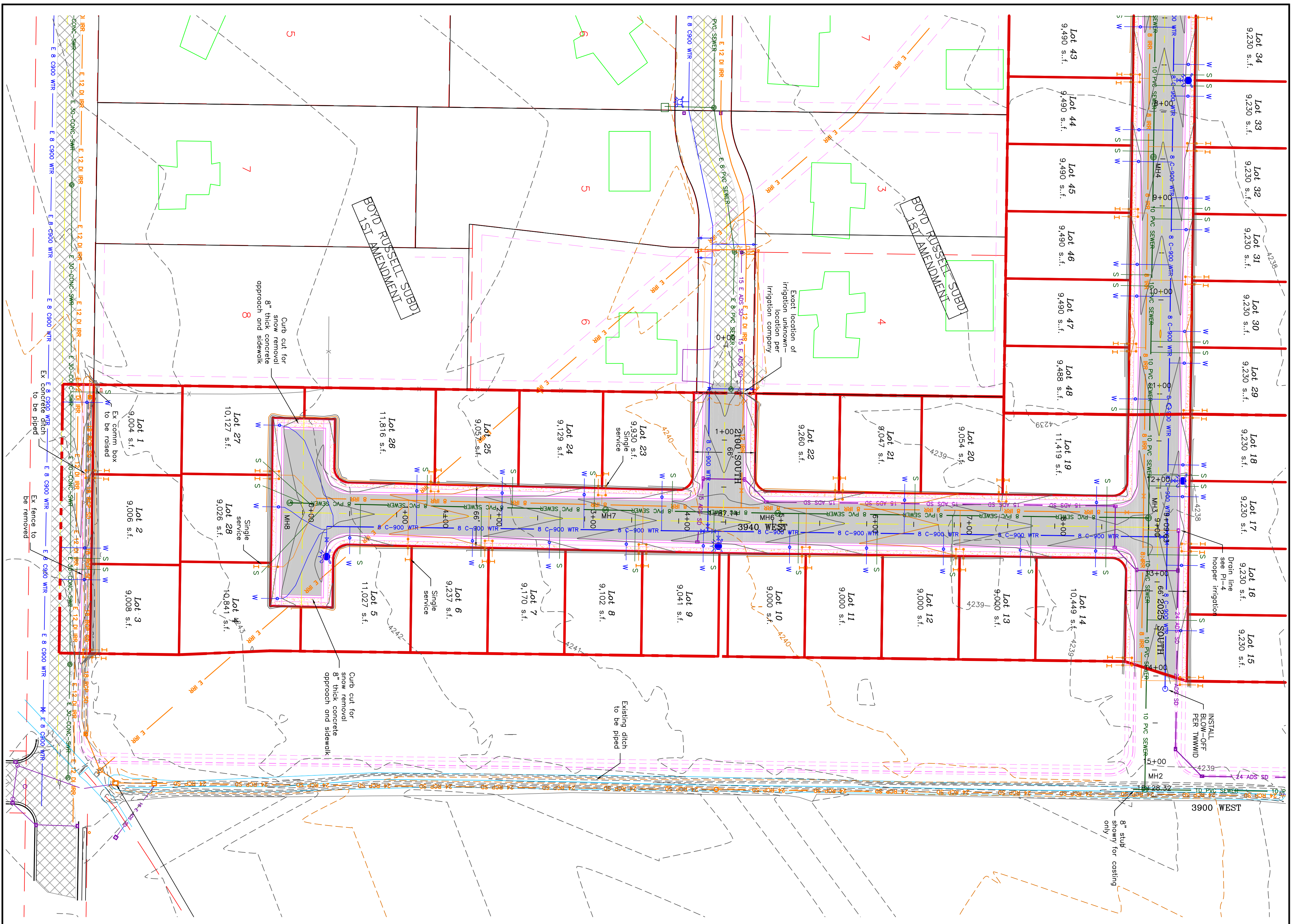
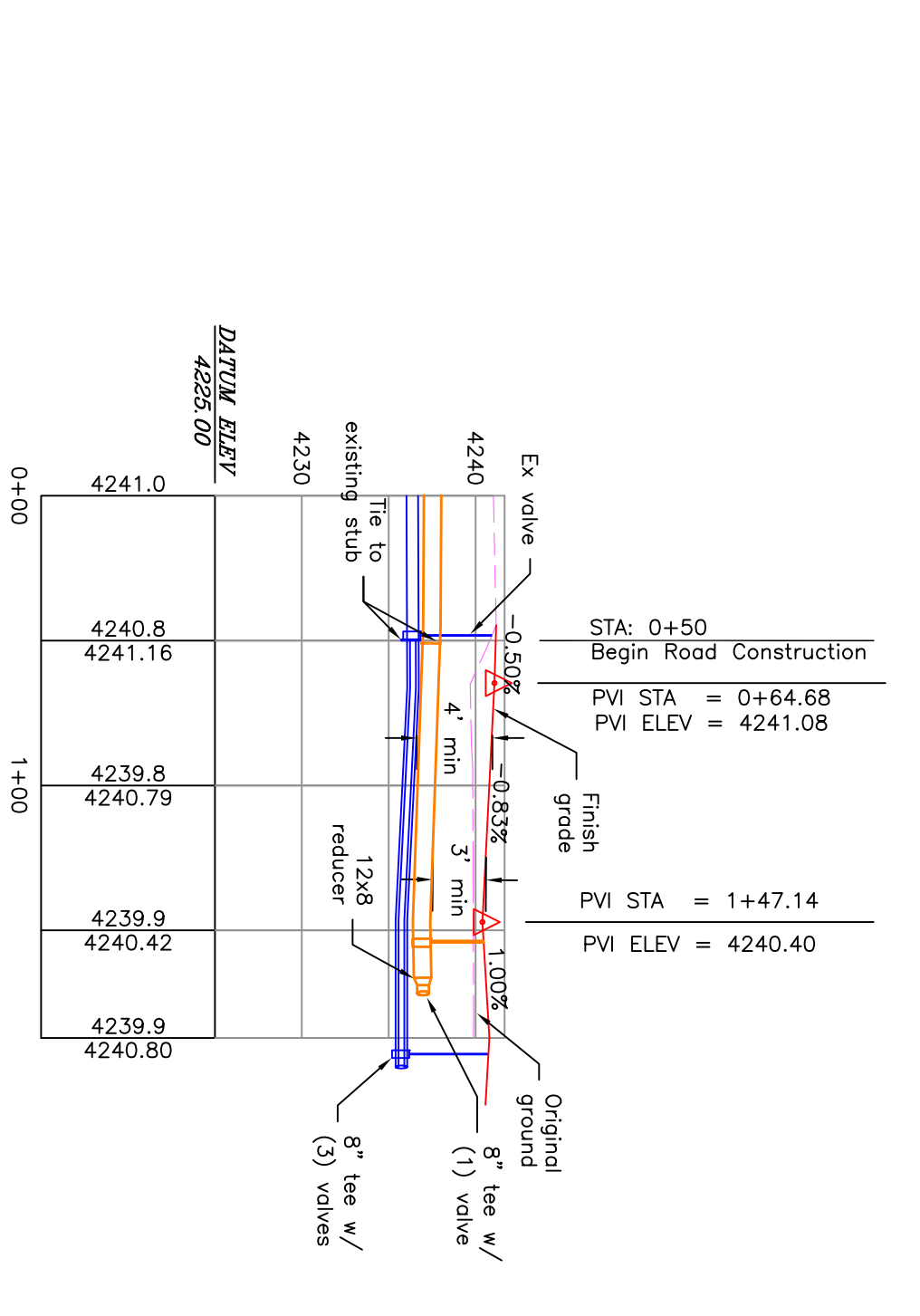
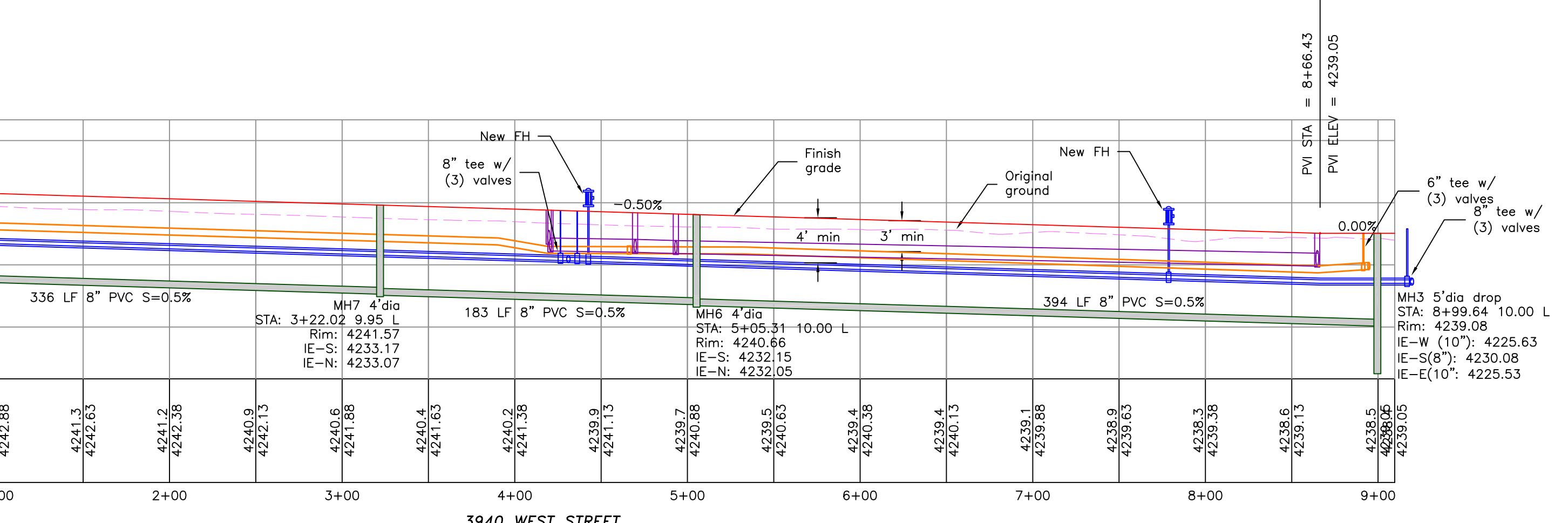
PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6 NORTH, RANGE 2 WEST, SALT LAKE BASIN AND MERIDIAN WEBER COUNTY, TAYLOR, UTAH

### 3940 WEST/2100 SOUTH ROAD PLAN



0 30 60 120  
SCALE: 1"=60' (22x34 PLAN SET)  
SCALE: 1"=10' VERTICAL

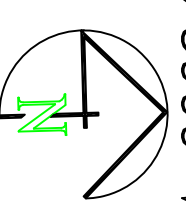
- BOUNDARY LINE
- LOT LINE
- GENETRIE LINE
- UTILITY EASEMENT LINE
- FUTURE ROAD SHOWN FOR REFERENCE
- EXISTING DITCH
- EXISTING WATER AS NOTED
- EXISTING 8" PVC C-900 DR 18 WATER SERVICE
- EXISTING 1" CIS 200 PSI POLY WATER SERVICE
- EXISTING 8" SDR 35 SEWER AS NOTED
- EXISTING 10" SDR 35 SEWER AS NOTED
- EXISTING 4" SEWER LATERAL
- EXISTING 12" DI IRRIGATION
- EXISTING 8" PVC C-900 DR18 IRRIGATION MAIN
- PROPOSED 12" PVC C-909 DR18 IRRIGATION MAIN
- 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')
- EXISTING ASPHALT
- PROPOSED ASPHALT
- PROPOSED CONCRETE



<p>PROJECT TITLE</p> <p style="text-align: center;"><b>TAYLOR LANDING PHASE 1A/2 A CLUSTER SUBDIVISION</b></p> <p>DRAWING TITLE</p> <p style="text-align: center;"><b>3940 WEST/2100 SOUTH ROAD PLAN</b></p>	<p>No. REVISIONS/ SUBMISSIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>No.</th><th>REVISIONS/ SUBMISSIONS</th><th>DATE</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> <p>REVIEWED :</p> <p>CAD FILE :</p>	No.	REVISIONS/ SUBMISSIONS	DATE							<p>CONFIDENTIALITY AND COPYRIGHT NOTICE</p> <p>UNAUTHORIZED USE, DISCLOSURE, OR COPYING OF THIS DRAWING IS PROHIBITED.</p> <p>CONSTRUCTION DOCUMENTS THAT ARE DISTRIBUTED FOR BIDDING PURPOSES SHALL NOT BE RETURNED AND SHALL BE DESTROYED WITHIN 30 DAYS AFTER THE BID OPENING BY THE PLAN HOLDER.</p> <p style="text-align: center;">COPYRIGHT 2005</p>	<p style="text-align: center;"><b>ALLIANCE CONSULTING ENGINEERS</b></p> <p style="text-align: center;">150 EAST 200 NORTH SUITE P LOGAN, UTAH 84321 (435)755-5121 alliancelogan@yahoo.com</p>
No.	REVISIONS/ SUBMISSIONS	DATE										

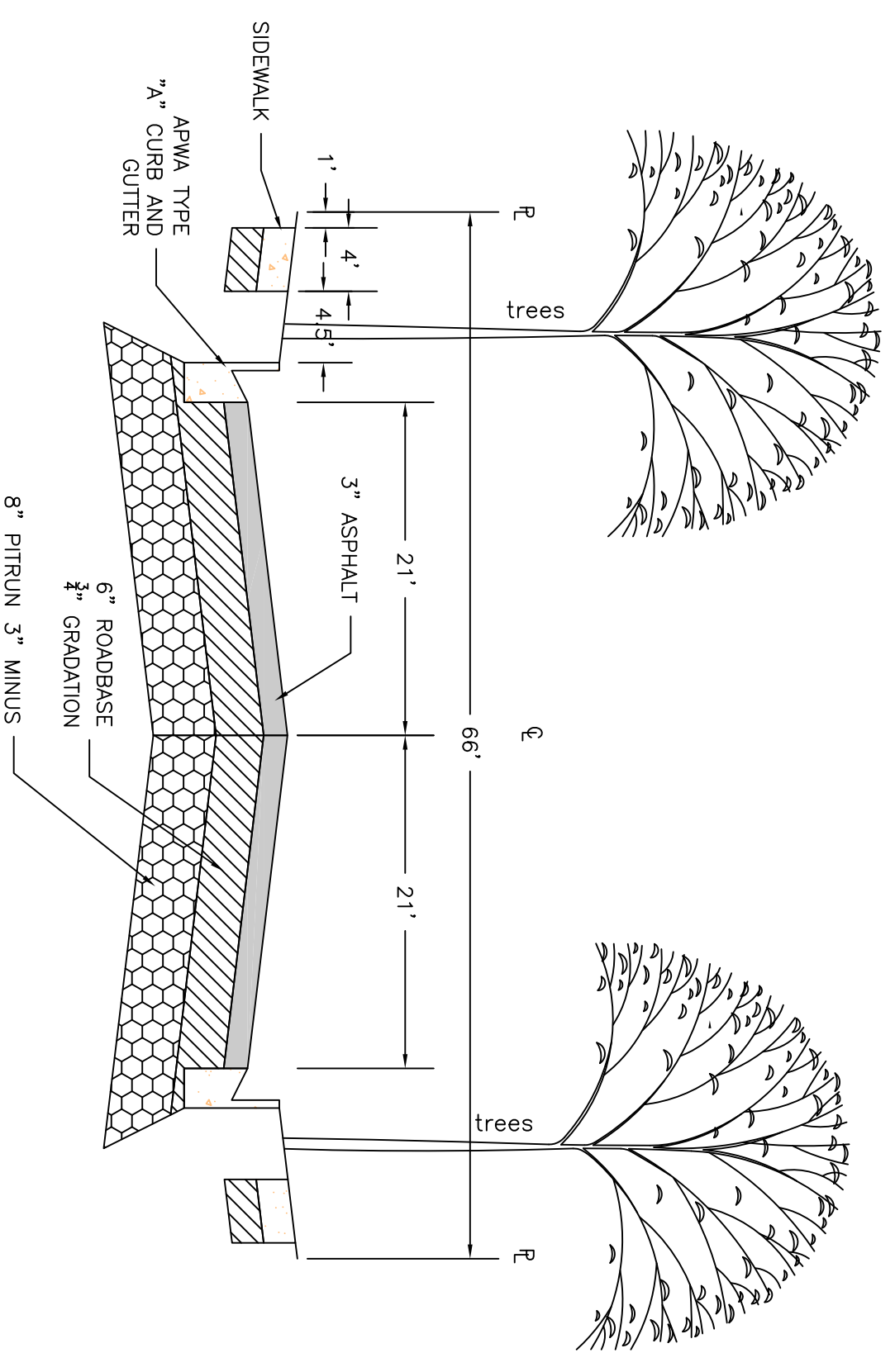
# TAYLOR LANDING PHASE 1A/2

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  
**2025 SOUTH/3900 WEST ROAD PLAN**

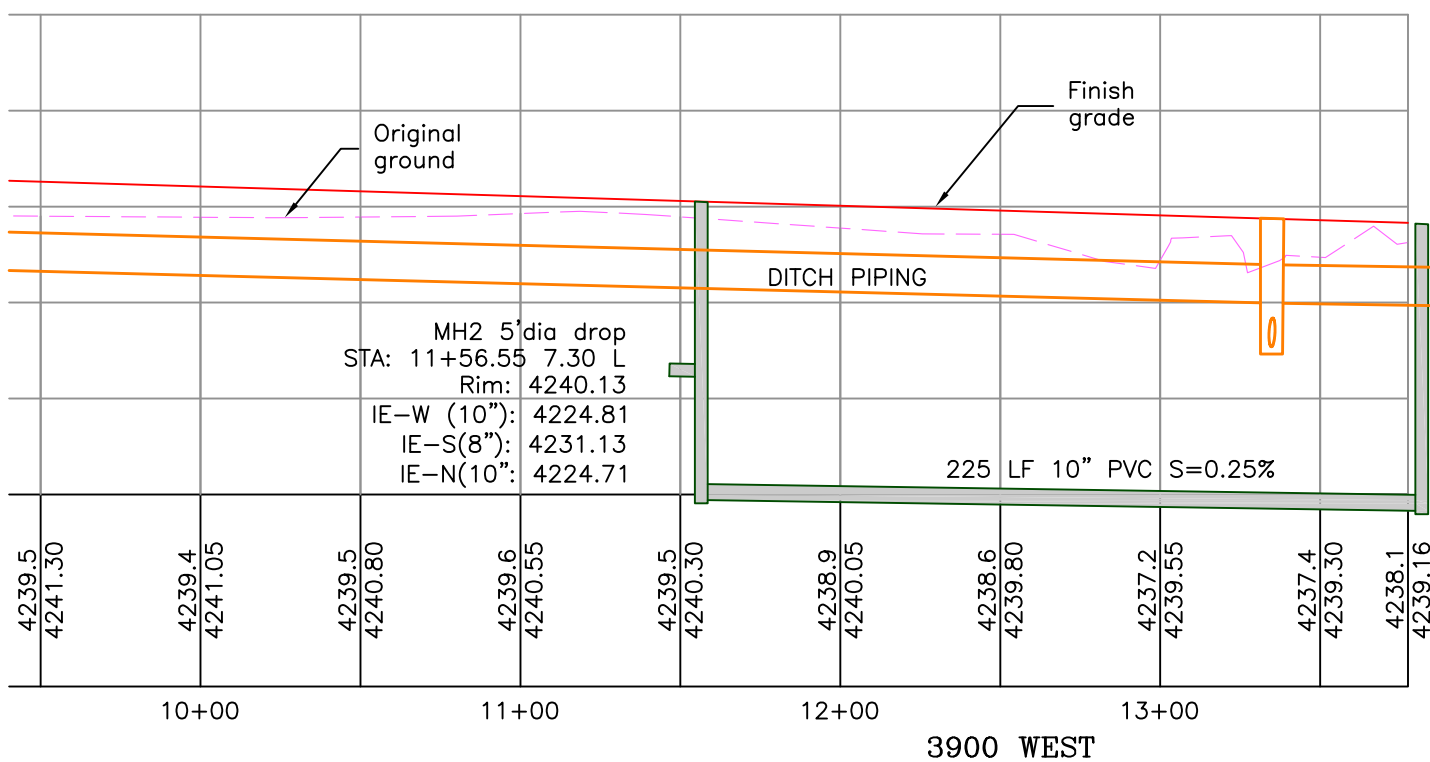
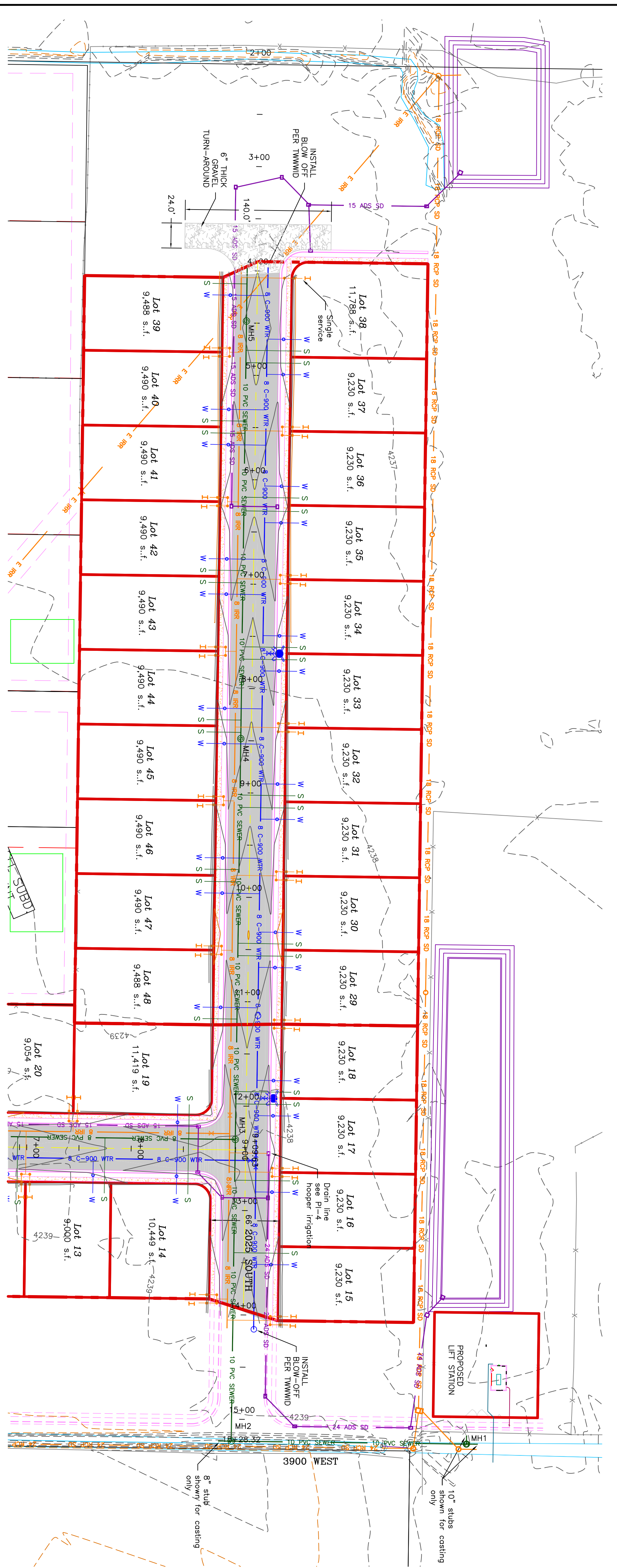
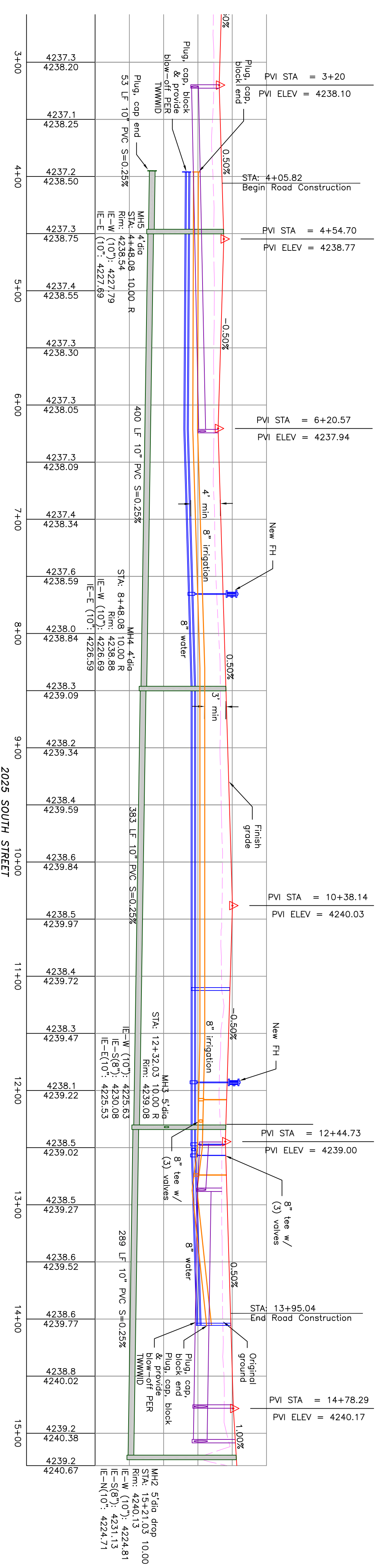


0 30 60 120  
 SCALE: 1"=60' (22x34 PLAN SET)  
 SCALE: 1"=10' (VERTICAL)

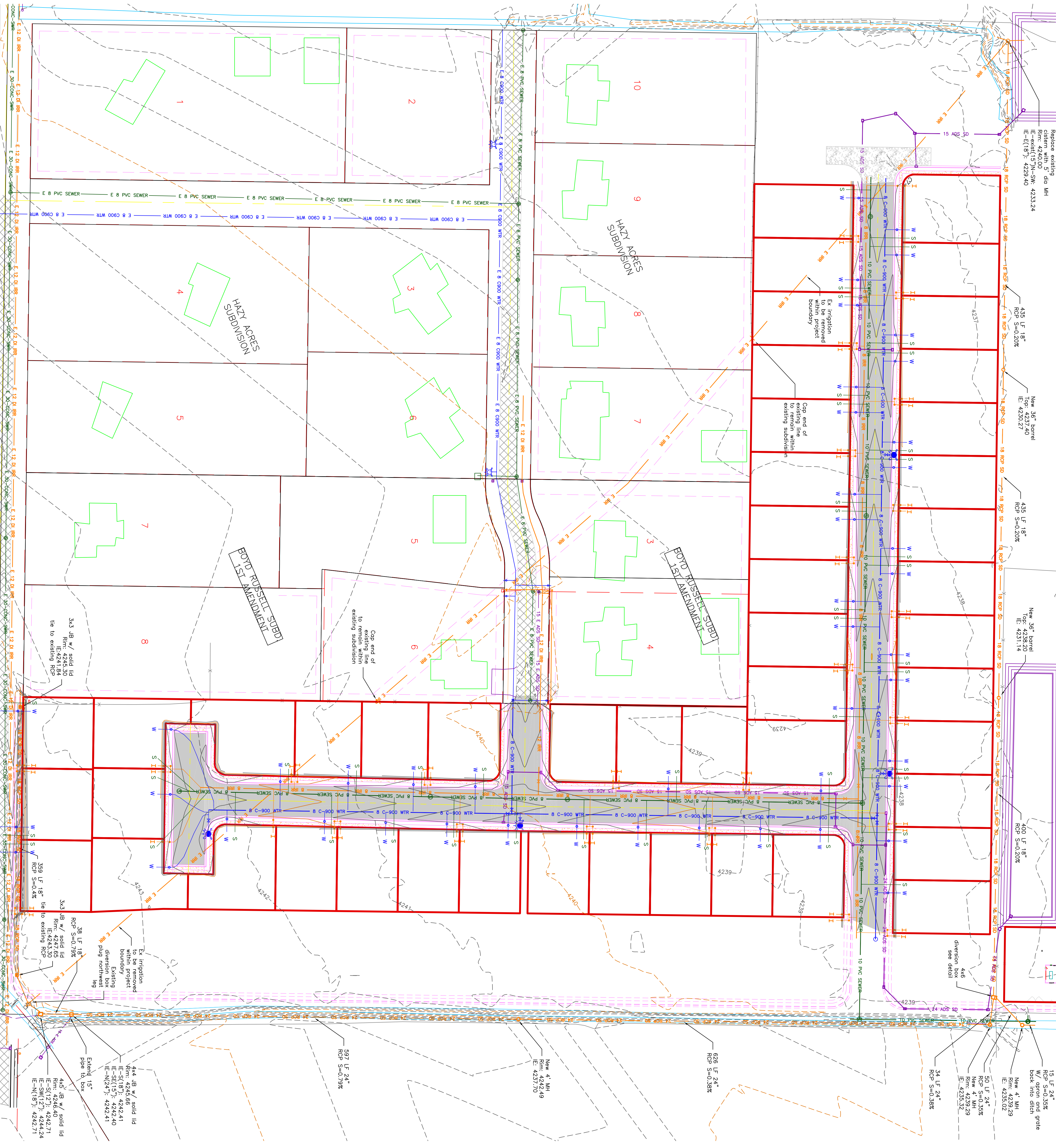
- BOUNDARY LINE
- LOT LINE
- CENTERLINE
- UTILITY EASEMENT LINE
- FUTURE ROAD SHOWN FOR REFERENCE
- EXISTING FENCE
- EXISTING DITCH
- EXISTING WATER AS NOTED
- PROPOSED 8" PVC C-900 OR 18" WATER
- PROPOSED 1" CTS 200 PSI POLY WATER SERVICE
- EXISTING SEWER AS NOTED
- PROPOSED 8" SDR 35 SEWER AS NOTED
- PROPOSED 10" SDR 35 SEWER AS NOTED
- PROPOSED 4" SEWER LATERAL
- EXISTING 12" DI IRRIGATION
- PROPOSED 8" PVC C-900 DR18 IRRIGATION MAIN
- PROPOSED 12" PVC C-909 DR18 IRRIGATION MAIN
- 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 MINOR CONTOUR (5')
- EXISTING ASPHALT
- PROPOSED ASPHALT
- PROPOSED CONCRETE



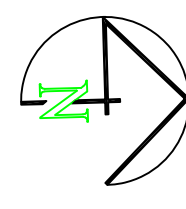
**66' ROAD CROSS-SECTION**  
 2" CALIPER TREE REQUIRED ON BOTH SIDES  
 OF THE ROAD (EVERY 50') AS SHOWN



<p>DATE: NOV/2020                  DRAWING No. 4</p>	<p><b>TAYLOR LANDING PHASE 1A/2</b>                  A CLUSTER SUBDIVISION</p> <p>DRAWING TITLE  <b>2025 SOUTH/3900 WEST ROAD PLAN</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>REVISIONS/ SUBMISSIONS</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	REVISIONS/ SUBMISSIONS	DATE				<p>CONFIDENTIALITY AND COPYRIGHT NOTICE</p> <p>UNAUTHORIZED USE, DISCLOSURE, OR COPYING OF THIS DRAWING IS PROHIBITED.</p> <p>CONSTRUCTION DOCUMENTS THAT ARE DISTRIBUTED FOR BIDDING PURPOSES SHALL NOT BE RETURNED AND SHALL BE DESTROYED WITHIN 30 DAYS AFTER THE BID OPENING BY THE PLAN HOLDER.</p> <p style="text-align: center;">COPYRIGHT 2005</p>	<p><b>ALLIANCE CONSULTING ENGINEERS</b>                  150 EAST 200 NORTH SUITE P                  LOGAN, UTAH 84321                  (435)755-5121                  alliancelogan@yahoo.com</p>	
No.	REVISIONS/ SUBMISSIONS	DATE									

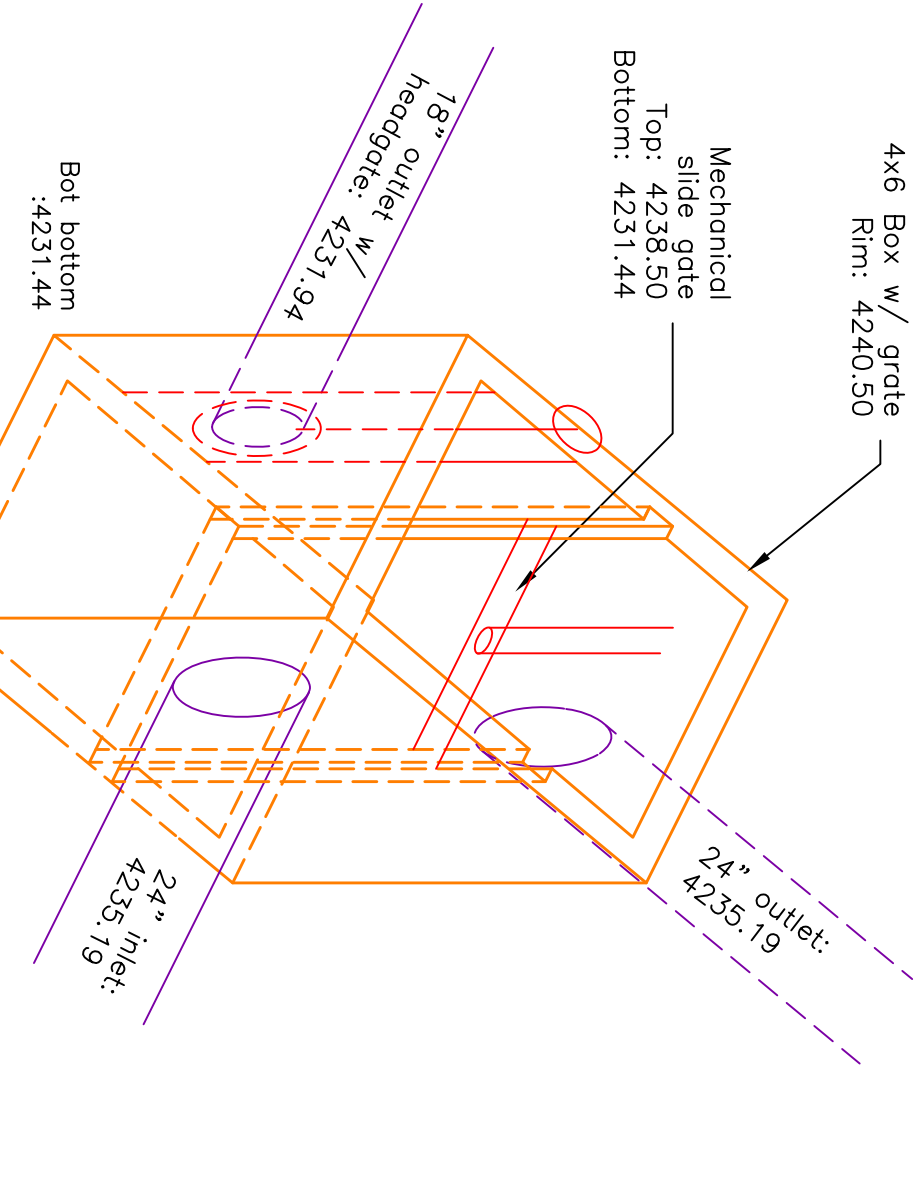


**TAYLOR LANDING PHASE 1A/2**  
**A CLUSTER SUBDIVISION**  
 PART OF THE NORTH HALF OF SECTION 28, TOWNSHIP 6 NORTH, RANGE 2 WEST, SALT LAKE BASELINE AND MERIDIAN WEBER COUNTY, TAYLOR, UTAH  
**IRRIGATION RE-ROUTE**



0 30 60 120  
 SCALE: 1"=60' (22x34 PLAN SET)  
 SCALE: 1"=10' VERTICAL

- BOUNDARY LINE
- LOT LINE
- CENTURLINE
- 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" QTS 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 DR18 IRRIGATION MAIN
- PROPOSED 12" PVC C-900 DR18 IRRIGATION MAIN
- 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')
- EXISTING ASPHALT
- PROPOSED ASPHALT
- PROPOSED CONCRETE



PROJECT TITLE  
**TAYLOR LANDING PHASE 1A/2**  
**A CLUSTER SUBDIVISION**

DRAWING TITLE  
**IRRIGATION RE-ROUTE**

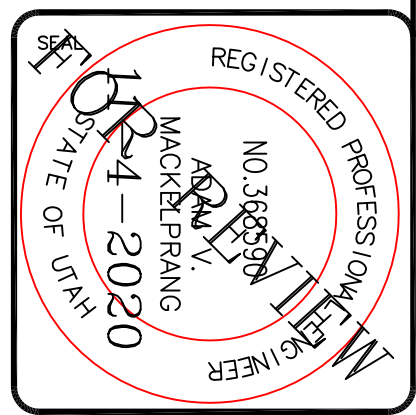
DATE: NOV/2020  
 DRAWING NO. 5

No.	REVISIONS/ SUBMISSIONS	DATE

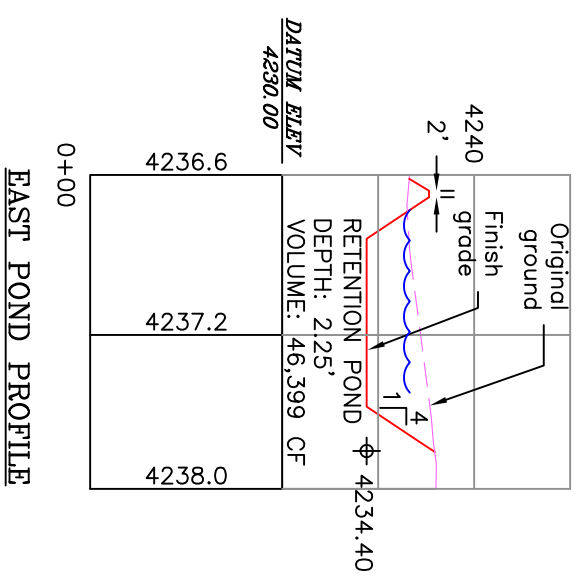
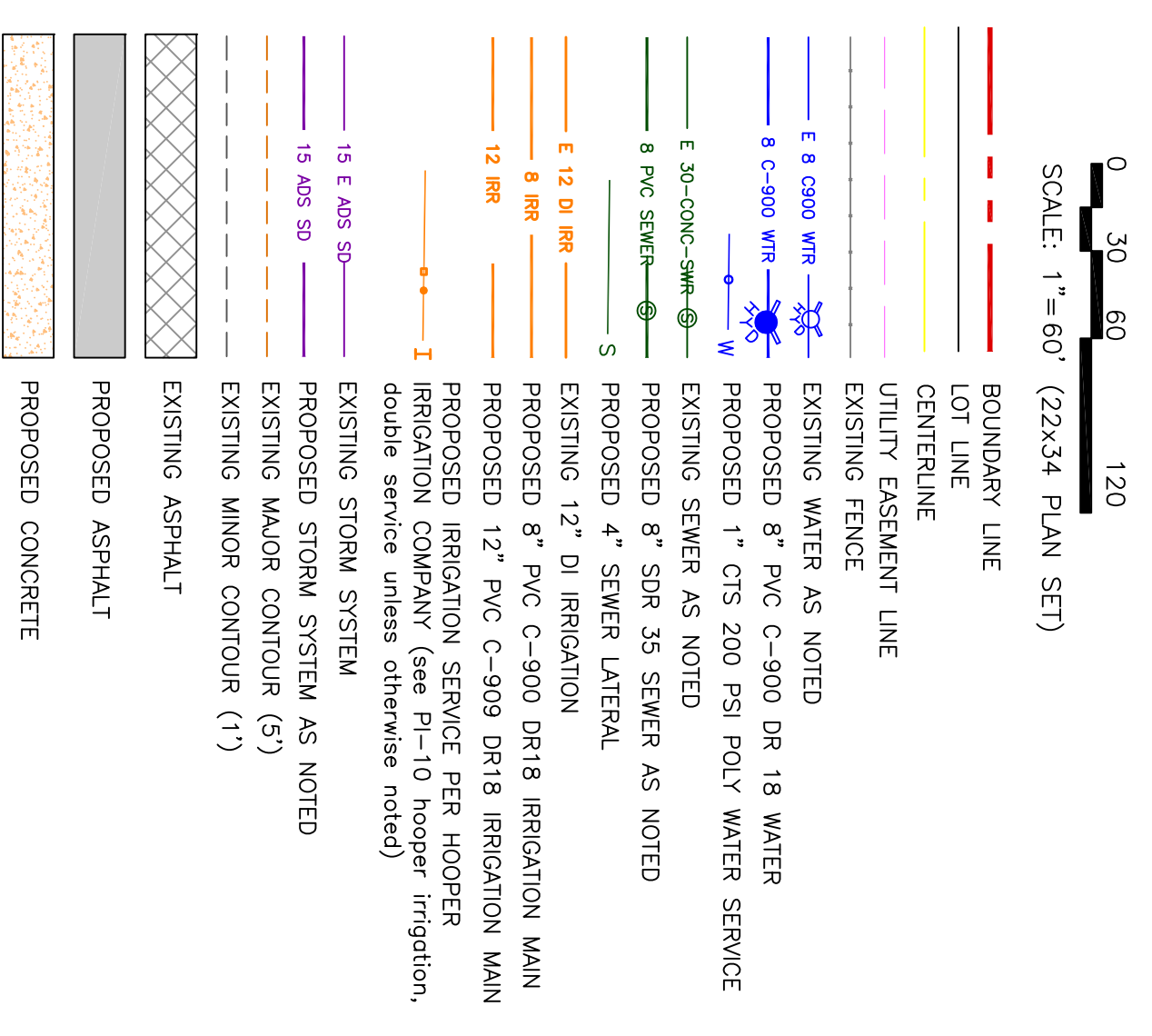
REVIEWED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CAD FILE: \_\_\_\_\_ DRAWN: \_\_\_\_\_ PROJECT NO.: \_\_\_\_\_

CONFIDENTIALITY AND COPYRIGHT NOTICE  
 UNAUTHORIZED USE, DISCLOSURE, OR COPYING OF THIS DRAWING IS PROHIBITED.  
 CONSTRUCTION DOCUMENTS THAT ARE DISTRIBUTED FOR BIDDING PURPOSES SHALL NOT BE RETURNED AND SHALL BE DESTROYED WITHIN 30 DAYS AFTER THE BID OPENING BY THE PLAN HOLDER.  
 COPYRIGHT 2005

**ALLIANCE CONSULTING ENGINEERS**  
 150 EAST 200 NORTH SUITE P  
 LOGAN, UTAH 84321  
 (435)755-5121  
 allianceclogan@yahoo.com



TAYLOR LANDING PHASE 1A/2  
 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  
 EAST GRADING / DRAINAGE PLAN

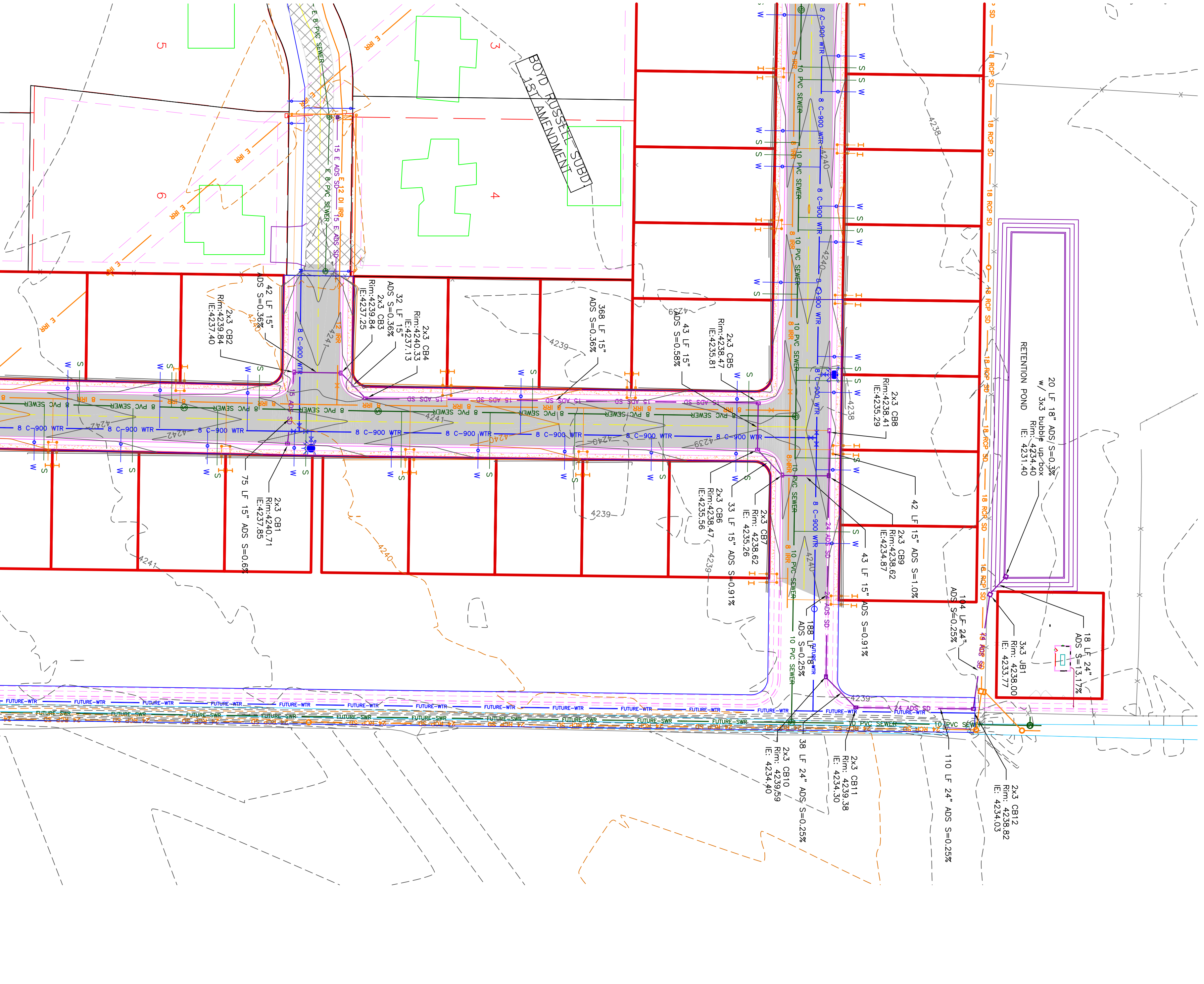


Peak Flow Determination	Designation	Q (cfs)	Total Q (cfs)	Pipe Hydraulics				Pipe Size	Pipe Area (ft <sup>2</sup> )	Pipe Circ. (ft)	Manning's n	Pipe Cap. (cfs)	Check
				Pipe I.D. (ft)	Invert (ft)	Length (ft)	Gradient (ft/ft)						
Area 1	2.21	CB1-CB2	4237.65	4237.40	75.00	0.0060	15	1.23	3.93	0.011	5.91	4.82 OK	
	4.42	CB2-CB3	4237.40	4237.25	43.00	0.0036	15	1.23	3.93	0.011	4.51	3.67 OK	
	4.42	CB3-CB4	4237.25	4237.13	33.00	0.0036	15	1.23	3.93	0.011	4.60	3.75 OK	
	4.42	CB4-CB5	4237.13	4235.81	369.00	0.0036	15	1.23	3.93	0.011	4.57	3.72 OK	
Area 2	2.63	5.74	CB5-CB6	4235.91	4235.56	43.00	0.0058	15	1.23	3.93	0.011	5.82	4.74 OK
	7.05	CB6-CB7	4235.56	4235.26	33.00	0.0091	15	1.23	3.93	0.011	7.28	5.93 OK	
	7.05	CB7-CB8	4235.26	4234.87	43.00	0.0091	15	1.23	3.93	0.011	7.27	5.92 OK	
Area 3	0.81	0.81	CB8-CB9	4235.29	4234.87	42.00	0.0100	15	1.23	3.93	0.011	7.63	6.22 OK
	7.86	0.81	CB9-CB10	4234.87	4234.40	188.00	0.0025	24	3.14	6.28	0.011	13.37	4.25 OK
Area 4	4.81	12.67	CB10-CB11	4234.40	4234.30	38.00	0.0026	24	3.14	6.28	0.011	13.71	4.37 OK
	12.67	12.67	CB11-CB12	4234.30	4234.03	110.00	0.0025	24	3.14	6.28	0.011	13.25	4.22 OK

Interval	Precip. Intensity (in/hr)	Precip. Depth (in)	Area (ac)	C Value	Q <sub>max</sub> (cfs)	Accum. (ft <sup>3</sup> /min)	Allowable Discharge (cfs)	Accum. Discharge (ft <sup>3</sup> /min)	Required Storage (ac-ft)
5	4.92	0.24	13.7	0.46	22876.26	18685.91	22	222	19874
10	4.98	0.83	13.7	0.46	22876.26	18685.91	22	222	19874
15	4.08	1.02	13.7	0.46	22876.26	23333.78	22	332.5	23001
30	2.76	1.38	13.7	0.46	22876.26	31569.29	22	666	33984
60	1.71	1.71	13.7	0.46	22876.26	39118.46	22	1330	37788
120	0.93	1.86	13.7	0.46	22876.26	42549.844	22	2860	39860
180	0.63	1.90	13.7	0.46	22876.26	43462.806	22	3990	39473
360	0.35	2.12	13.7	0.46	22876.26	48497.214	22	7980	40517
720	0.22	2.80	13.7	0.46	22876.26	59476.448	22	15960	43516
1440	0.12	2.88	13.7	0.46	22876.26	65883.829	22	31920	33984

\* Precip. Intensity values derived from NOAA

Drainage Area to Pond: 13.70 acres  
 Weighted C value by Pond Drainage Area: 0.46  
 Allowable Infiltration Rate: Hyd D 0.6 inches/hr = 0.0008 ft/min  
 Pond Bottom Area: 76 ft x 350 ft = 26600 sq. ft.  
 Allowable Discharge Rate: 0.0 cfs/acre

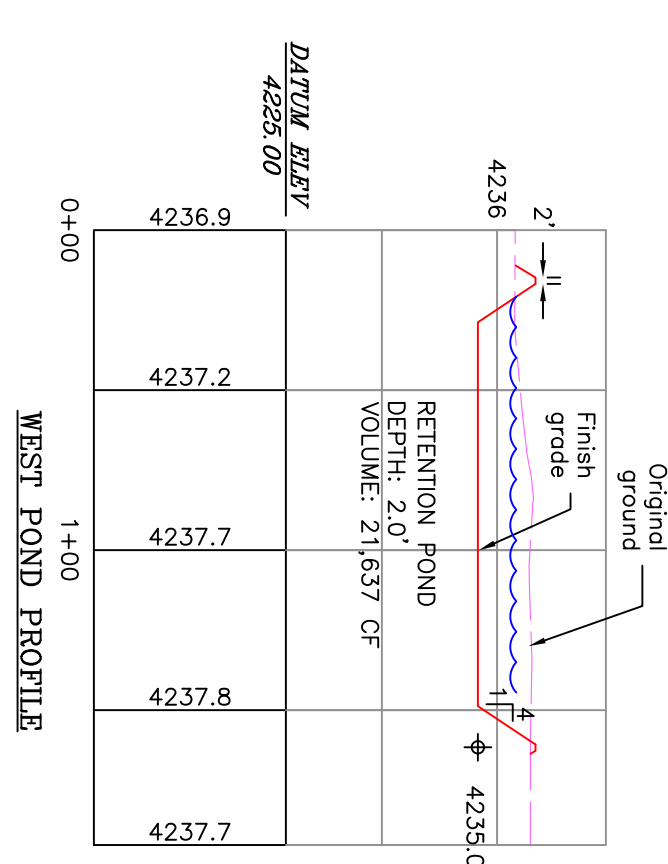
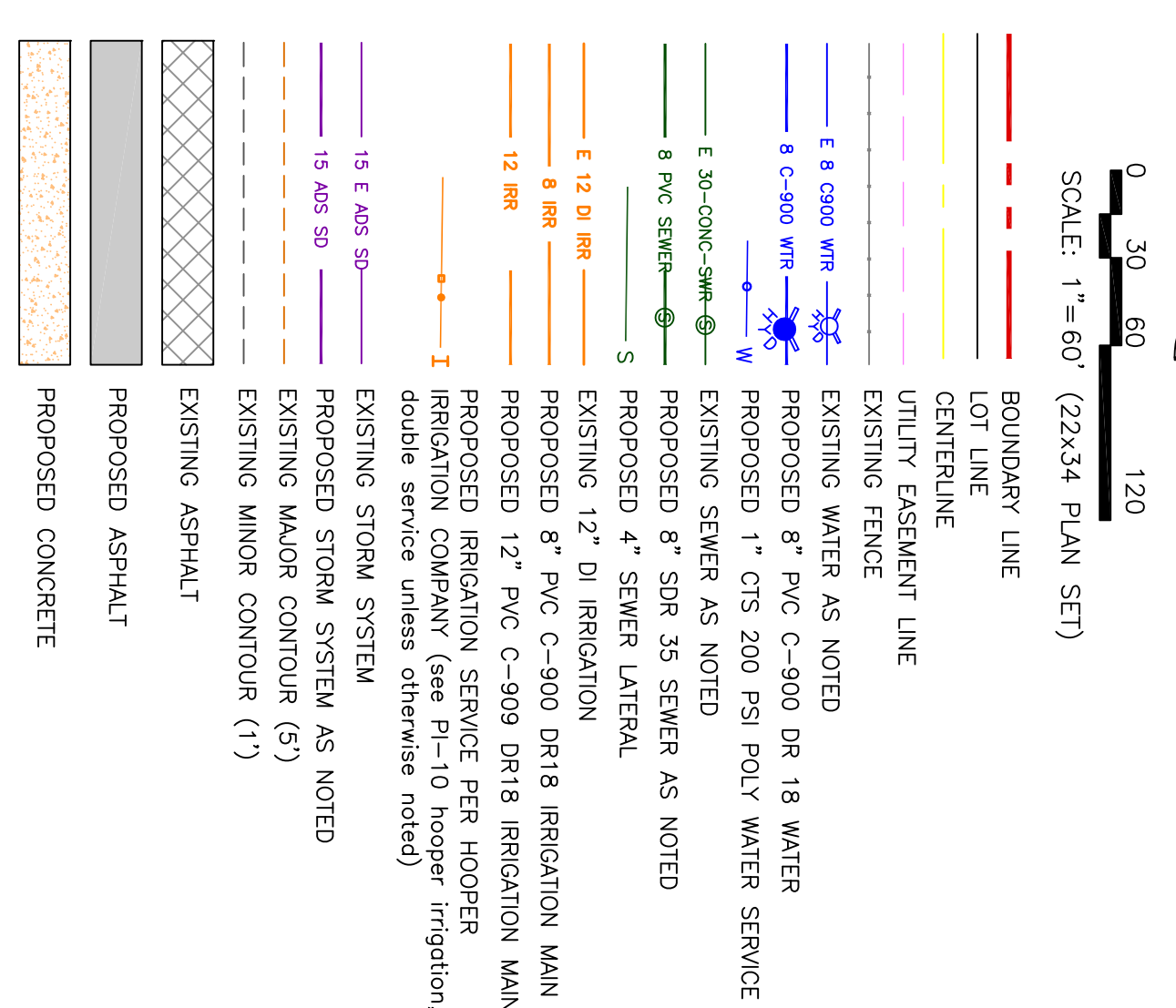
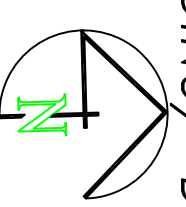


PROJECT TITLE <b>TAYLOR LANDING PHASE 1A/2          A CLUSTER SUBDIVISION</b> DRAWING TITLE <b>EAST GRADING/ DRAINAGE PLAN</b>	DATE : NOV/2020 DRAWING NO. : 6	No. REVISIONS/ SUBMISSIONS DATE	CONFIDENTIALITY AND COPYRIGHT NOTICE UNAUTHORIZED USE, DISCLOSURE, OR COPYING OF THIS DRAWING IS PROHIBITED. CONSTRUCTION DOCUMENTS THAT ARE DISTRIBUTED FOR BIDDING PURPOSES SHALL NOT BE RETURNED AND SHALL BE DESTROYED WITHIN 30 DAYS AFTER THE BID OPENING BY THE PLAN HOLDER. COPYRIGHT 2005	REGISTERED PROFESSIONAL ENGINEER NO. 38821 ALLIANCE CONSULTING ENGINEERS 150 EAST 200 NORTH SUITE P LOGAN, UTAH 84321 (435)755-5121 alliancelogan@yahoo.com
---	------------------------------------	------------------------------------	---	---

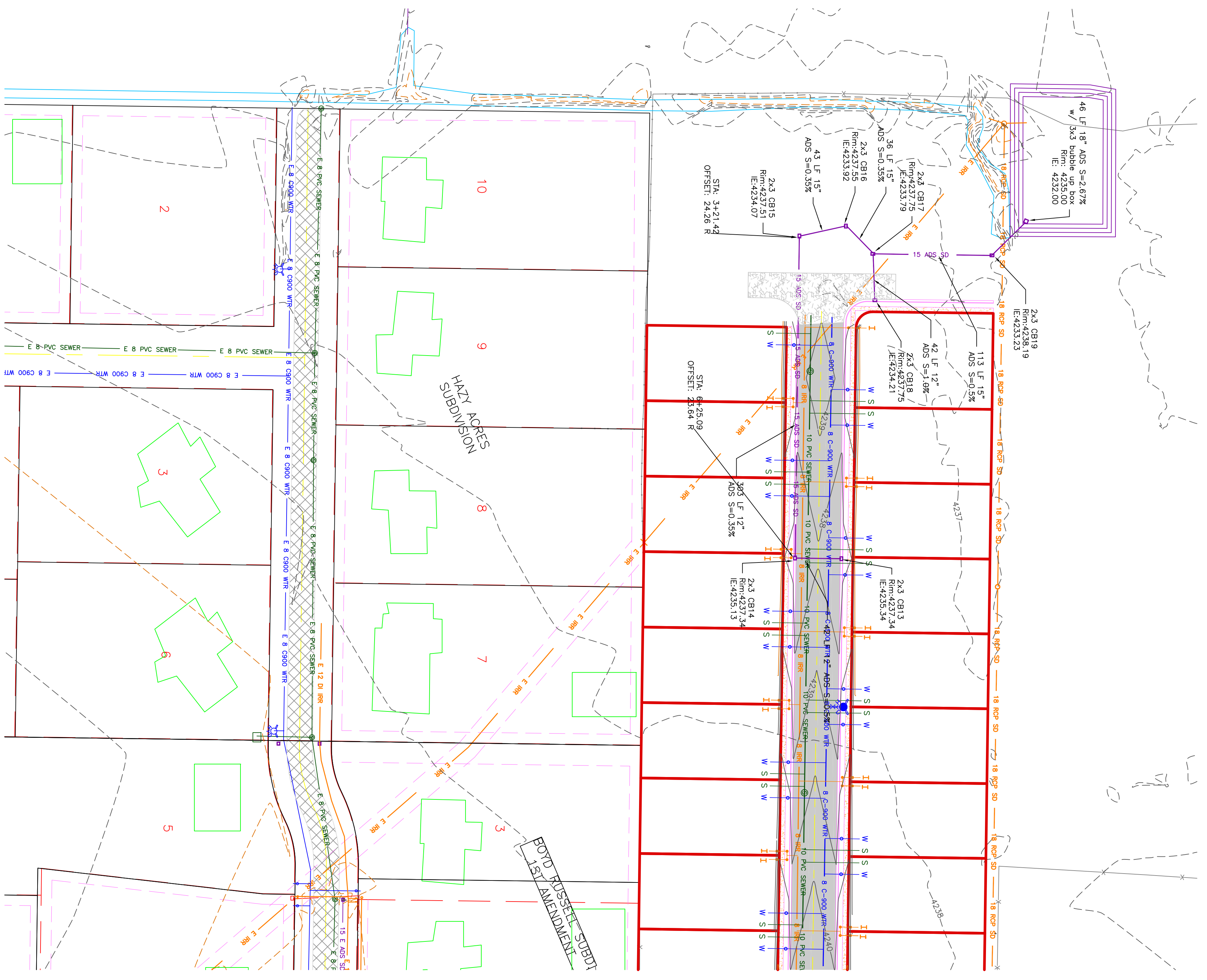
# TAYLOR LANDING PHASE 1A/2

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

WEST GRADING/ DRAINAGE PLAN



Peak Flow Determination				Pipe Hydraulics									
Watershed Designation	Q (cfs)	Pipe ID	Upstream Invert	Downstream Invert	Pipe Length (ft)	Gradient (ft/ft)	Pipe Size	Pipe Area (ft <sup>2</sup> )	Pipe Circ. (ft)	Manning's n	Pipe Cap. (cfs)	Vel. Full (fps)	Check
Area 5	3.99	2.00 CB13/CB14	4235.34	4235.13	42.00	0.0050	12	0.79	3.14	0.011	2.98	3.79	OK
		2.00 CB14/CB15	4235.13	4234.07	303.00	0.0035	12	0.79	3.14	0.011	2.49	3.17	OK
		3.89 CB16/CB19	4233.97	4233.32	30.00	0.0035	15	1.23	3.93	0.011	4.51	3.74	OK
		1.08 CB18/CB17	4234.21	4233.79	42.00	0.0100	15	1.23	3.93	0.011	7.83	6.22	OK
		5.07 CB17/CB19	4233.79	4233.23	113.00	0.0050	15	1.23	3.93	0.011	5.37	4.38	OK
		5.07 CB19/POUND	4233.23	4232.00	46.00	0.0267	15	1.23	3.93	0.011	12.48	10.17	OK



Drainage Area to Pond:	6.35 acres
Weighted "C" value for Pond Drainage Area:	0.46
Allowable Infiltration Rate:	Hyd D 0.6 inches/hr = 0.0008 ft/min
Pond Bottom Area:	85 ft x 130 ft = 11050 sq ft
Allowable Discharge Rate:	0.0 cfs/acre

100-Year Return Period											
Interval (mm)	Precip. Intensity (in/hr)	Precip. Depth (in)	Area (ac)	C Value	C/A x 3630 (ft <sup>3</sup> /in)	Accum. Inflow (ft <sup>3</sup> /min)	Allowable Discharge (ft <sup>3</sup> /min)	Accum. Discharge (ft <sup>3</sup> )	Required Storage (ac-ft)		
5	6.52	0.54	6.35	0.46	10603.23	5757.5539	9	46	5712	0.13	
10	4.98	0.83	6.35	0.46	10603.23	8758.288	9	138	1866	0.20	
15	4.08	1.02	6.35	0.46	10603.23	10815.295	9	138	125	10877	0.25
30	2.76	1.38	6.35	0.46	10603.23	14632.457	9	278	125	14356	0.33
60	1.80	1.80	6.35	0.46	10603.23	18231.523	9	353	125	17579	0.40
120	0.83	1.80	6.35	0.46	10603.23	20146.077	9	1657	5	19488	0.42
360	0.35	2.12	6.35	0.46	10603.23	22478.636	9	3315	19	19164	0.44
720	0.22	2.60	6.35	0.46	10603.23	27567.55	9	6630	20	20988	0.48
1440	0.12	2.88	6.35	0.46	10603.23	30537.302	9	13260	17	17277	0.40

\* Precip. Intensity values derived from NOAA

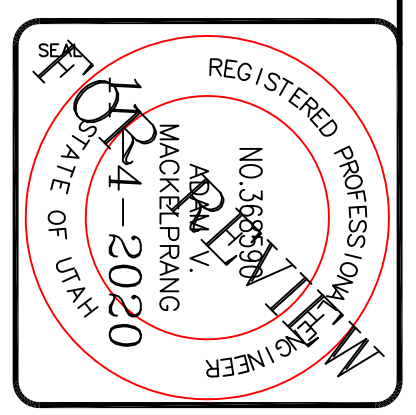
No.	REVISIONS/ SUBMISSIONS	DATE

REVIEWED :	DRAWN :
CAD FILE :	PROJECT NO. :

CONFIDENTIALITY AND COPYRIGHT NOTICE  
 UNAUTHORIZED USE, DISCLOSURE, OR COPYING OF THIS DRAWING IS PROHIBITED.  
 CONSTRUCTION DOCUMENTS THAT ARE DISTRIBUTED FOR BIDDING PURPOSES SHALL NOT BE RETURNED AND SHALL BE DESTROYED WITHIN 30 DAYS AFTER THE BID OPENING BY THE PLAN HOLDER.  
 COPYRIGHT 2005

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



PROJECT TITLE  
**TAYLOR LANDING PHASE 1A/2**  
**A CLUSTER SUBDIVISION**

DRAWING TITLE  
**WEST GRADING/ DRAINAGE PLAN**

DATE : NOV, 2020  
 DRAWING No. : 7

