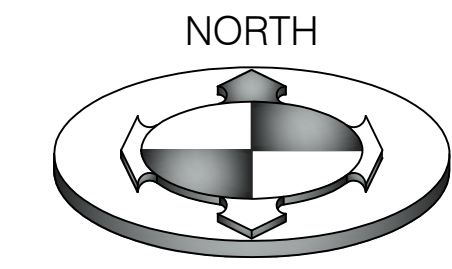
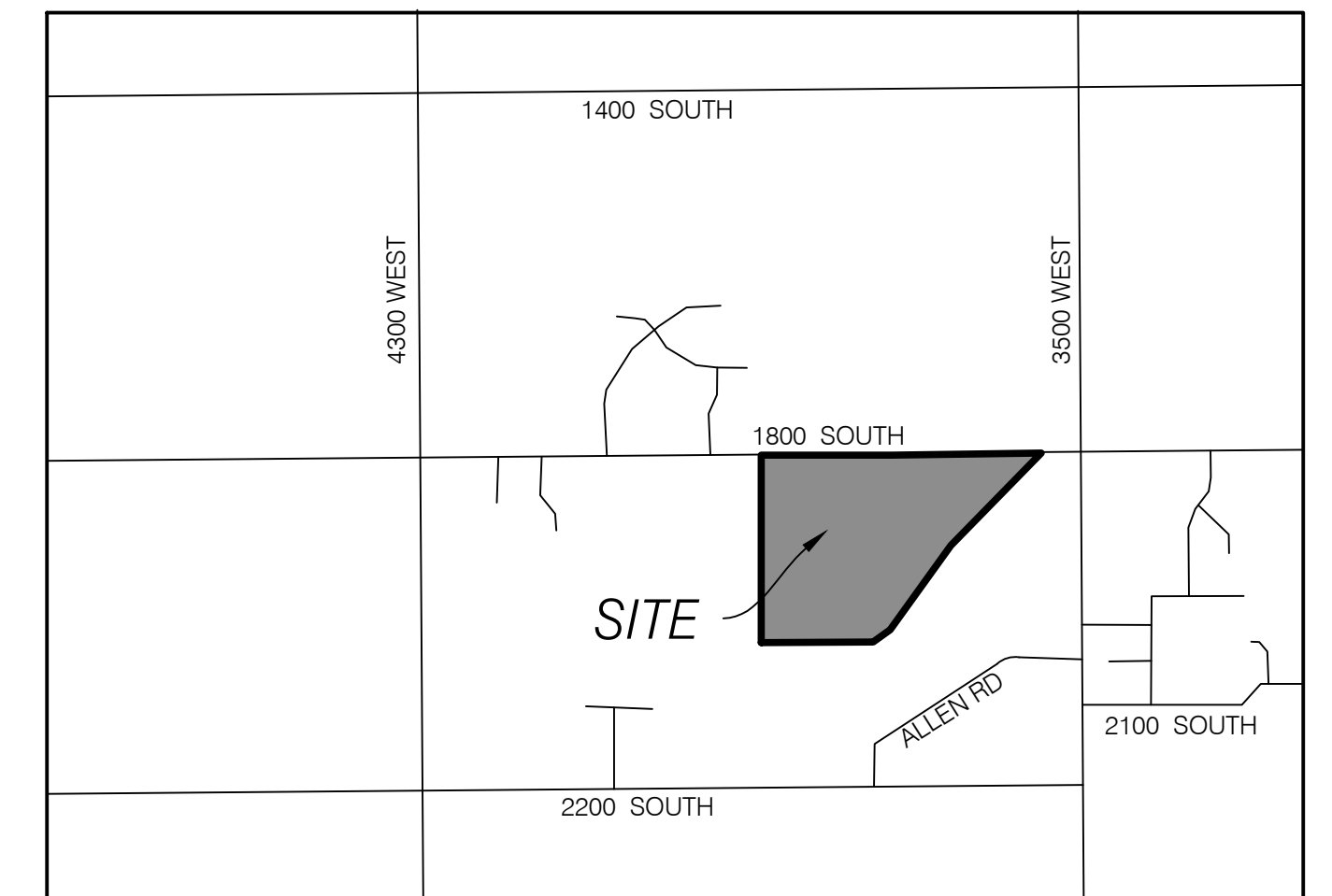
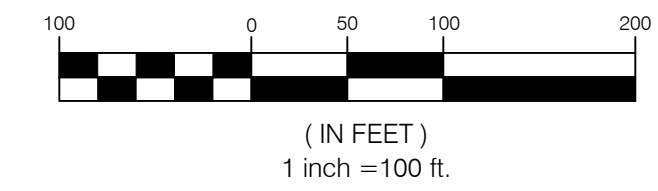


# WINSTON PARK

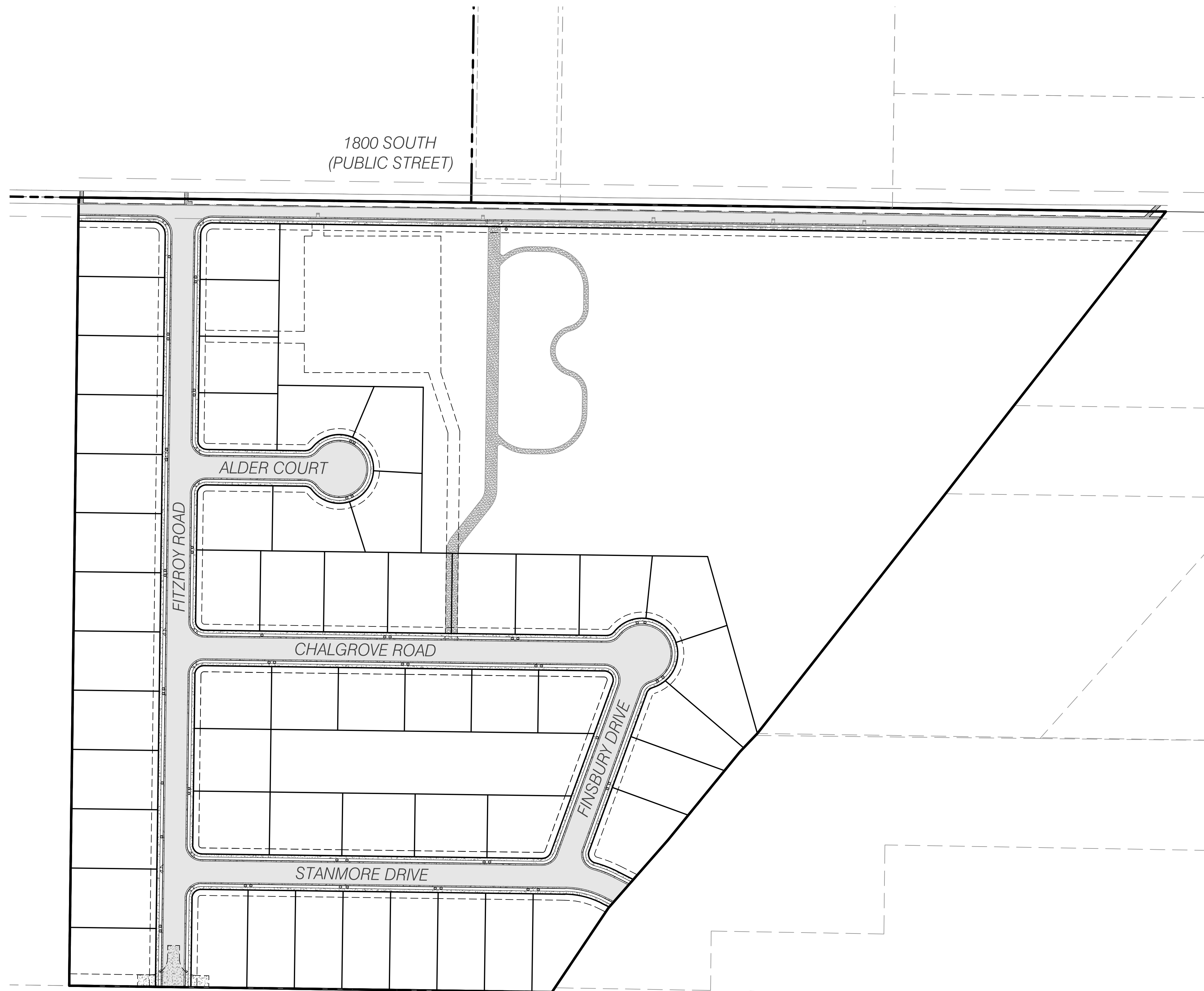
LOCATED IN THE NORTHEAST QUARTER OF SECTION 28,  
TOWNSHIP 6 NORTH NORTH, RANGE 2 WEST,  
SALT LAKE BASE AND MERIDIAN  
WEBER COUNTY, UTAH



GRAPHIC SCALE



VICINITY MAP  
N.T.S.



### PRELIMINARY DRAWING INDEX

COVER	COVER SHEET
CGN.01	GENERAL NOTES, LEGEND AND ABBREVIATION
CSP.01	SITE PLAN
CSP.02	SITE PLAN
CUP.01	UTILITY PLAN
CUP.01	UTILITY PLAN
CGD.01	GRADING & DRAINAGE PLAN
CGD.02	GRADING & DRAINAGE PLAN
CPP.01	ROADWAY PLAN & PROFILE
CPP.02	ROADWAY PLAN & PROFILE
CPP.03	ROADWAY PLAN & PROFILE
CPP.04	ROADWAY PLAN & PROFILE
CPP.05	ROADWAY PLAN & PROFILE
CPP.06	ROADWAY PLAN & PROFILE
CEP.01	EROSION CONTROL PLAN
CEP.02	EROSION CONTROL DETAILS
CDT.01	DETAILS & NOTES
CDT.02	DETAILS & NOTES
CDT.03	DETAILS & NOTES
CDT.04	DETAILS & NOTES
CDT.05	DETAILS & NOTES

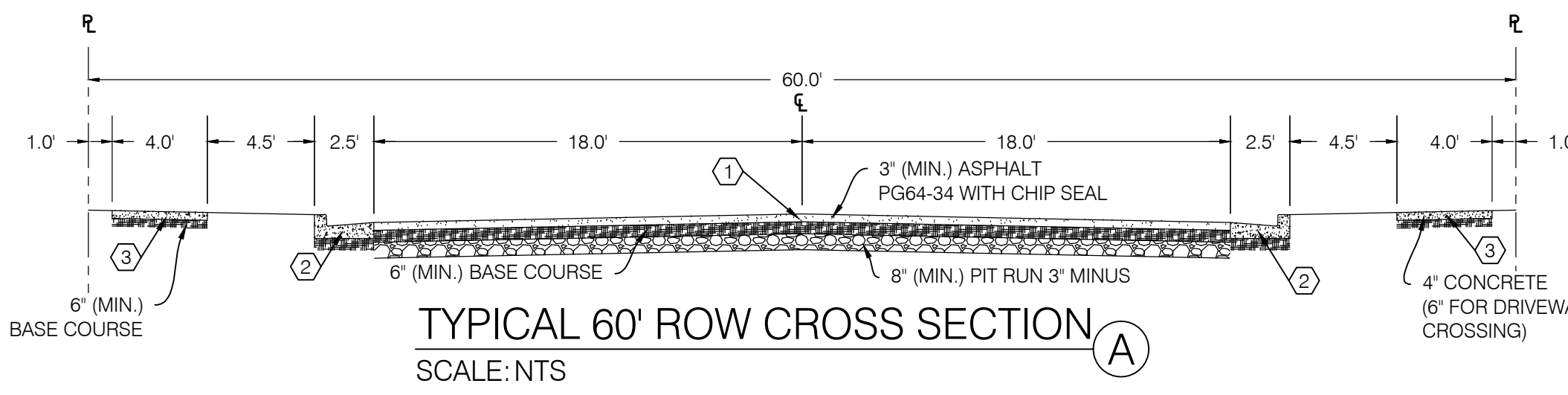
## PRELIMINARY CIVIL CONSTRUCTION PLANS

OWNER: IGOR MAKSYMIW  
EMAIL: igormaksymiw@aol.com

		<b>BENCHMARK ENGINEERING &amp; LAND SURVEYING</b> 9138 SOUTH STATE STREET SUITE # 100 SANDY, UTAH 84070 (801) 542-7192 www.benchmarkcivil.com	
		PROJECT NO: 2006142	COVER
WINSTON PARK 3701 W 1800 S WEBER COUNTY, UTAH		DRAFT JHO DESIGN TJB CHECK AGA DATE 03/12/2021	PROJECT NO: 2006142
No. DATE DESCRIPTION	1 03/25/21 REVISED PER COUNTY, WATER & IRRIGATION COMMENTS		
1 OF 21			







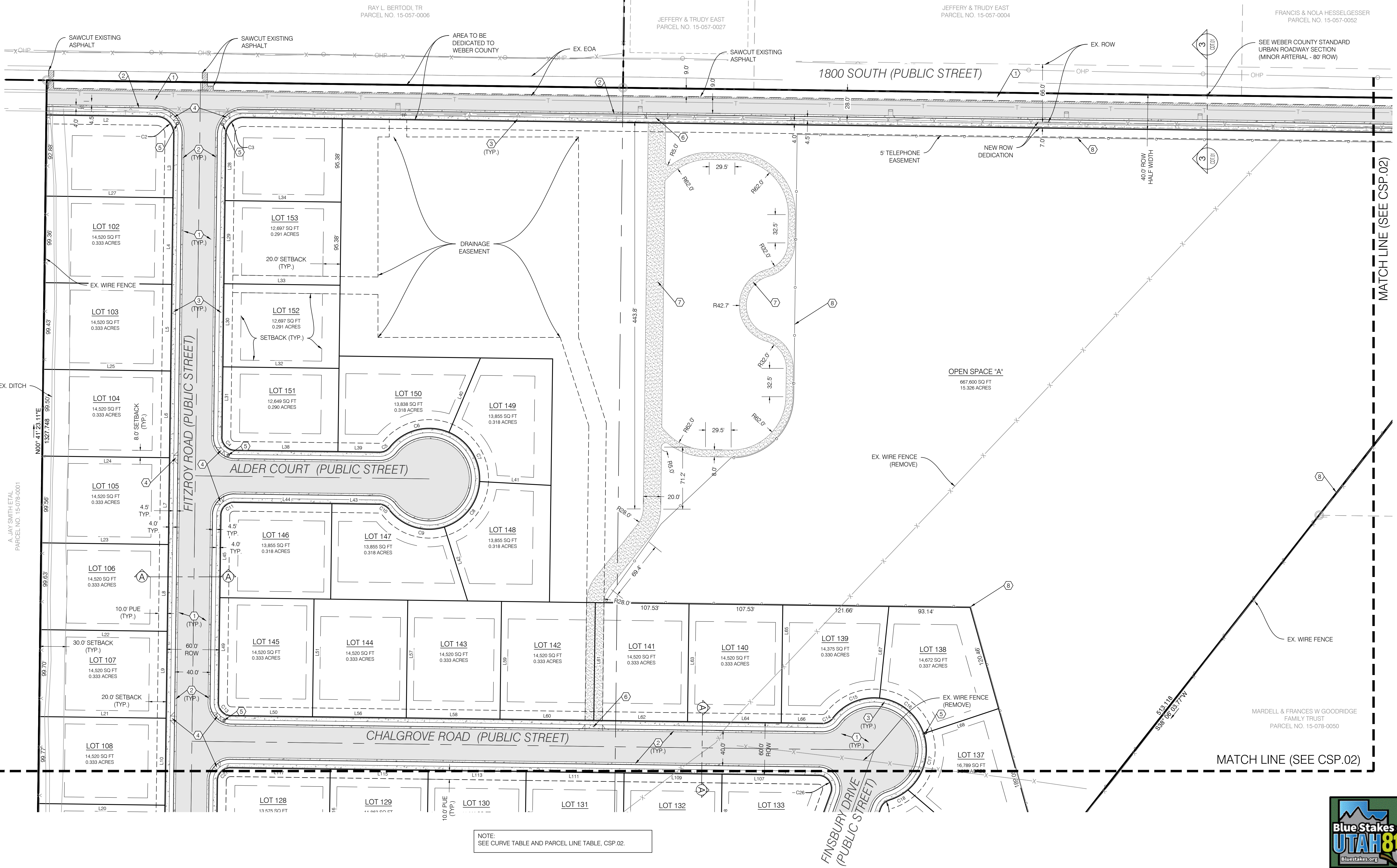
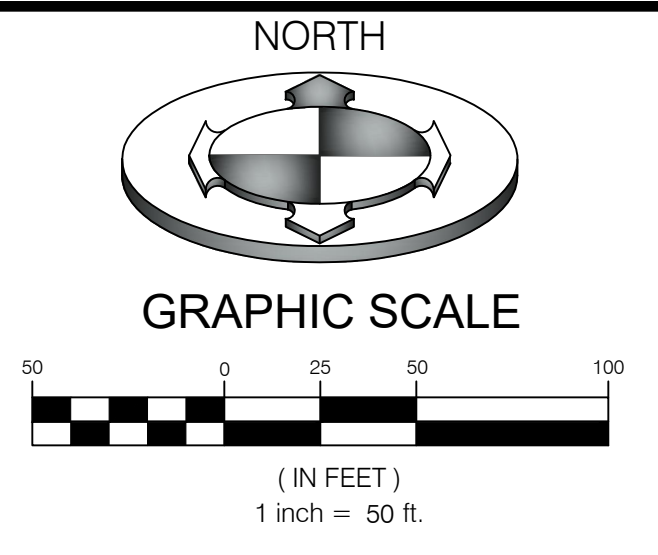
TYPICAL 60' ROW CROSS SECTION (A)  
SCALE: NTS

CONSTRUCTION KEY NOTE REFERENCE		
NO.	DESCRIPTION	DETAIL
1	ASPHALT PAVEMENT (PG64-34) WITH CHIP SEAL PER WEBER COUNTY PUBLIC STDS.	1/CDT.01
2	CONCRETE CURB AND GUTTER PER WEBER COUNTY PUBLIC STDS.	2/CDT.01
3	SIDEWALK PER WEBER COUNTY PUBLIC STDS.	2/CDT.01
4	ADA RAMP PER WEBER COUNTY PUBLIC STDS.	4/CDT.01
5	LIGHTPOLE (TO BE OWNED AND MAINTAINED BY HOA)	
6	"TYPE B" DRIVE APPROACH PER WEBER COUNTY PUBLIC STDS.	3/CDT.01
7	GRAVEL ACCESS ROAD/PATHWAY	1/CDT.01
8	NEW FENCE	

AREA TABLE		
PARTICULARS	S.F.	%
BUILDING*	162,000	9.5
HARDSCAPE*	237,126	13.8
LANDSCAPE	1,313,176	76.7
DEDICATED	301,208	N/A
TOTAL	1,712,302	100

NOTE: SAWCUT WIDTH, LOCATIONS AND TIE-IN ELEVATIONS IN EXISTING HARDSCAPE ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATION AND EXTENT OF SAWCUTTING PRIOR TO CONSTRUCTION. NOTIFY CIVIL ENGINEER IF REVISIONS ARE REQUIRED. SEE NOTE 58 ON CGN.01 FOR FURTHER DETAIL.

NOTE: ALL WORK DONE IN PUBLIC ROADS TO BE DONE IN STRICT ACCORDANCE WITH WEBER COUNTY STANDARDS & SPECIFICATIONS.



NO.	DATE	DESCRIPTION
1	03/20/21	REVISED PER COUNTY, WATER & IRRIGATION COMMENTS

PRELIMINARY PLAN  
 PROFESSIONAL ENGINEER  
 No. 113866833  
 ALLISON G. ALBERT  
 STATE OF UTAH  
 NOT FOR CONSTRUCTION

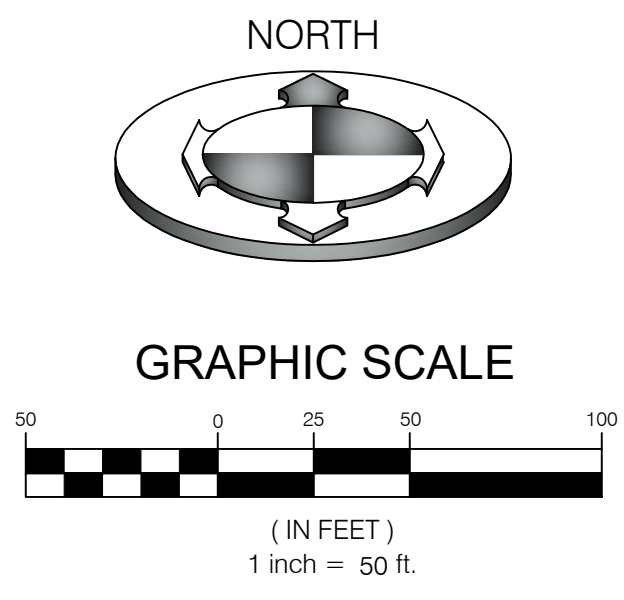
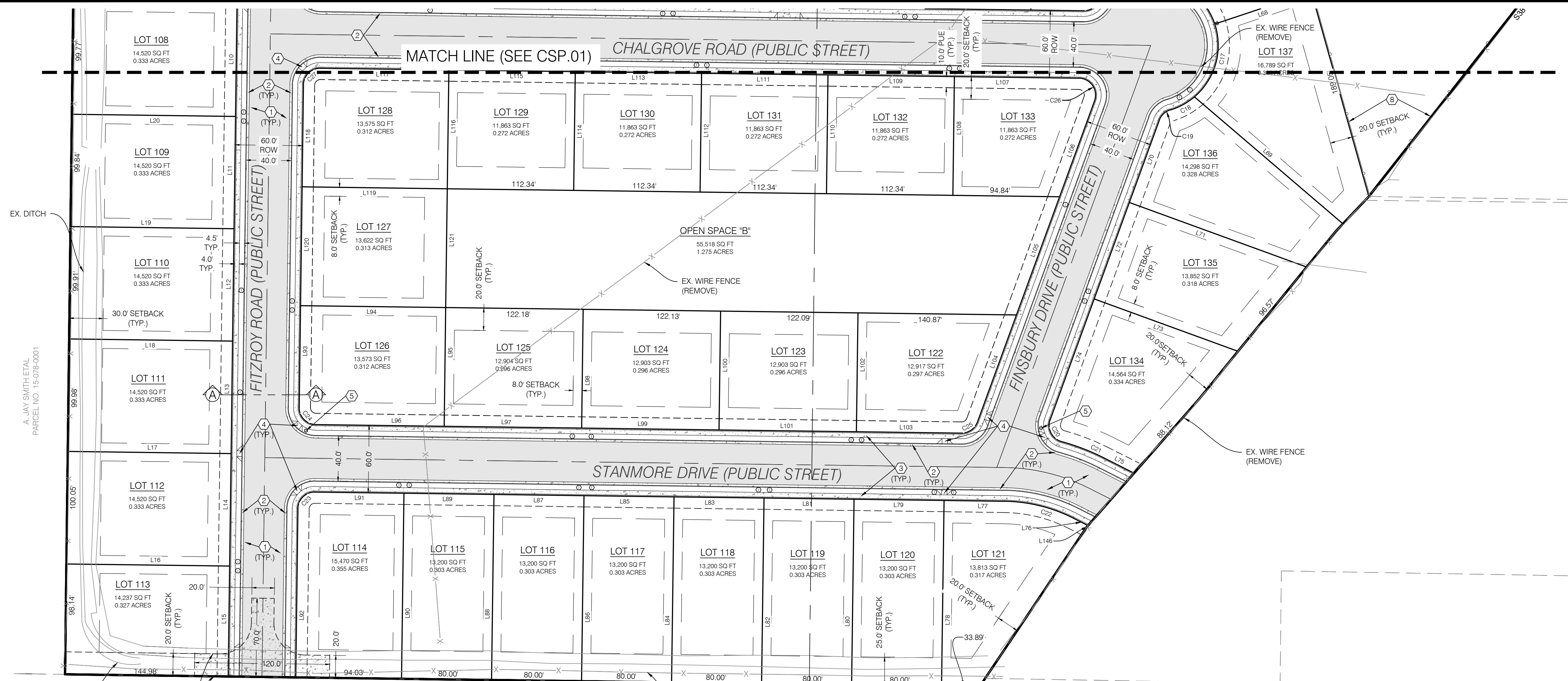
**BENCHMARK CIVIL**  
 BENCHMARK ENGINEERING & LAND SURVEYING  
 9198 SOUTH STATE STREET SUITE #100  
 SANDY, UTAH 84070 (801) 542-7192  
 www.benchmarkcivil.com

**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

PROJECT NO. 2006142  
 SITE PLAN  
 CSP.01  
 3 OF 21



NOTE: SEE CURVE TABLE AND PARCEL LINE TABLE, CSP.02.



NOTE: SAWCUT WIDTH, LOCATIONS AND TIE-IN ELEVATIONS IN EXISTING HARDSCAPE ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATION AND EXTENT OF SAWCUTTING PRIOR TO CONSTRUCTION. NOTIFY CIVIL ENGINEER IF REVISIONS ARE REQUIRED. SEE NOTE 58 ON CGN.01 FOR FURTHER DETAIL.

NOTE: ALL WORK DONE IN PUBLIC ROADS TO BE DONE IN STRICT ACCORDANCE WITH WEBER COUNTY STANDARDS & SPECIFICATIONS.

EX. DITCH  
TEMPORARY VEHICULAR TURNAROUND EASEMENT IN FAVOR OF THE PUBLIC TO BE VACATED WHEN STREET CONTINUES SOUTH

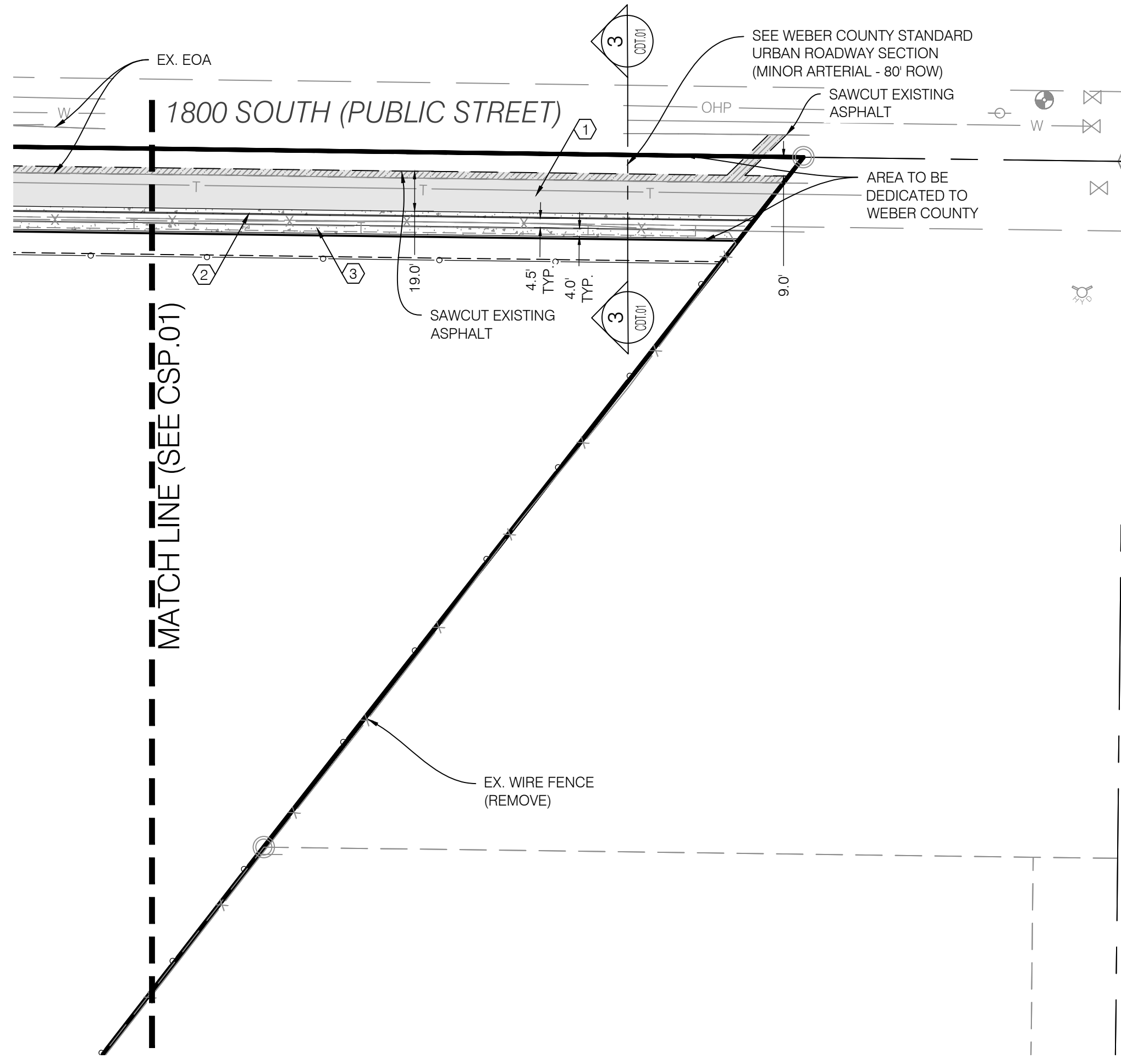
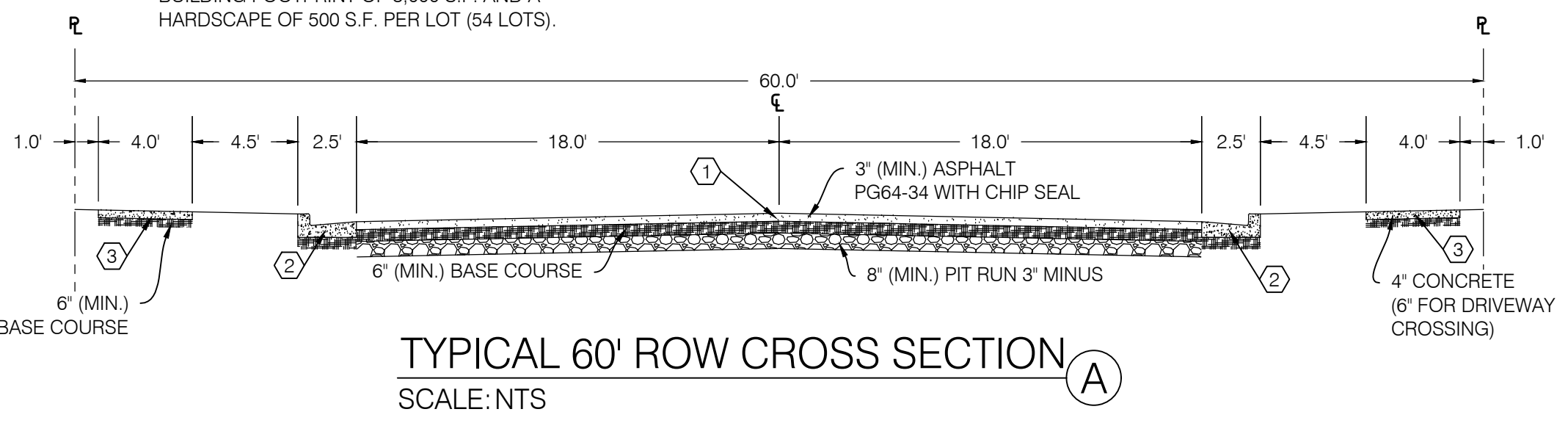
PJF CORP  
PARCEL NO. 15-078-0006

EX. WIRE FENCE (REMOVE)

NO.	DESCRIPTION	DETAIL
(1)	ASPHALT PAVEMENT (PG64-34) WITH CHIP SEAL PER WEBER COUNTY PUBLIC STDS.	1/CDT.01
(2)	CONCRETE CURB AND GUTTER PER WEBER COUNTY PUBLIC STDS.	2/CDT.01
(3)	SIDEWALK PER WEBER COUNTY PUBLIC STDS.	2/CDT.01
(4)	ADA RAMP PER WEBER COUNTY PUBLIC STDS.	4/CDT.01
(5)	LIGHTPOLE (TO BE OWNED AND MAINTAINED BY HOA)	
(6)	TYPE 'B' DRIVE APPROACH PER WEBER COUNTY PUBLIC STDS.	3/CDT.01
(7)	GRAVEL ACCESS ROAD/PATHWAY	1/CDT.01
(8)	NEW FENCE	

PARTICULARS	S.F.	%
BUILDING*	162,000	9.5
HARDSCAPE*	237,126	13.8
LANDSCAPE	1,313,176	76.7
DEDICATED	301,208	N/A
TOTAL	1,712,302	100

\*BUILDING AND HARDSCAPE AREAS ASSUME A BUILDING FOOTPRINT OF 3,000 S.F. AND A HARDSCAPE OF 500 S.F. PER LOT (54 LOTS).



CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD DISTANCE
C1	77.39'	170.00'	26°04'54"	N 76°11'45" W	76.72'
C2	31.42'	20.00'	90°00'00"	N 44°15'08" W	28.28'
C3	31.42'	20.00'	90°00'00"	S 45°44'52" W	28.28'
C4	23.56'	15.00'	90°00'00"	S 44°15'08" E	21.21'
C5	13.60'	15.00'	51°56'37"	N 64°46'33" E	13.14'
C6	75.07'	58.00'	74°09'36"	S 75°53'03" W	69.94'
C7	70.98'	58.00'	70°06'57"	N 31°58'41" W	66.63'
C8	70.33'	58.00'	69°28'26"	N 37°49'01" E	66.10'
C9	71.00'	58.00'	70°08'15"	S 72°22'39" E	66.65'
C10	13.60'	15.00'	51°56'37"	N 63°16'50" W	13.14'
C11	23.56'	15.00'	90°00'00"	S 45°44'52" W	21.21'
C12	287.38'	58.00'	283°53'13"	N 00°44'52" E	71.51'
C13	23.56'	15.00'	90°00'00"	S 44°15'08" E	21.21'
C14	13.91'	15.00'	53°07'48"	N 64°10'57" E	13.42'
C15	61.00'	60.00'	58°15'11"	S 66°44'39" W	58.41'
C16	68.77'	60.00'	65°40'01"	N 51°17'46" W	65.06'
C17	71.36'	60.00'	68°08'43"	N 15°36'37" E	67.23'
C18	24.58'	60.00'	23°28'25"	N 61°25'11" E	24.41'
C19	13.91'	15.00'	53°07'48"	S 46°35'29" W	13.42'
C20	24.81'	15.00'	94°46'35"	S 27°21'43" E	22.08'
C21	40.47'	200.00'	11°35'42"	N 68°57'09" W	40.41'
C22	63.73'	140.00'	26°04'54"	N 76°11'45" W	63.18'
C23	23.57'	15.00'	90°00'57"	S 45°45'20" W	21.22'
C24	23.56'	15.00'	89°59'03"	S 44°14'40" E	21.21'
C25	18.52'	15.00'	70°44'14"	N 55°23'42" E	17.37'
C26	28.61'	15.00'	109°16'43"	N 34°36'47" W	24.47'
C27	23.56'	15.00'	90°00'00"	S 45°44'52" W	21.21'
C28	225.71'	60.00'	215°32'20"	N 34°36'47" W	114.28'

LINE #	BEARING	DISTANCE
L1	S 63°09'18" E	22.14'
L2	S 89°15'08" E	126.28'
L3	S 00°44'52" W	72.88'
L4	S 00°44'52" W	99.36'
L5	S 00°44'52" W	99.43'
L6	S 00°44'52" W	99.50'
L7	S 00°44'52" W	99.56'
L8	S 00°44'52" W	99.63'
L9	S 00°44'52" W	99.70'
L10	S 00°44'52" W	99.77'
L11	S 00°44'52" W	99.84'
L12	S 00°44'52" W	99.91'
L13	S 00°44'52" W	99.98'
L14	S 00°44'52" W	100.05'
L15	S 00°44'52" W	98.18'
L16	N 89°15'08" W	145.08'
L17	S 89°15'08" E	145.18'
L18	N 89°15'08" W	145.28'
L19	S 89°15'08" E	145.38'
L20	N 89°15'08" W	145.48'
L21	S 89°15'08" E	145.58'
L22	N 89°15'08" W	145.68'
L23	S 89°15'08" E	145.79'
L24	N 89°15'08" W	145.89'
L25	S 89°15'08" E	145.99'
L26	N 89°15'08" W	146.09'
L27	S 89°15'08" E	146.19'
L28	S 00°44'52" W	75.38'
L29	S 00°44'52" W	95.38'
L30	S 00°44'52" W	95.38'
L31	S 00°44'52" W	80.38'
L32	S 89°15'08" E	133.13'
L33	S 89°15'08" E	133.13'
L34	S 89°15'08" E	133.13'
L35	S 00°44'52" W	95.38'
L36	S 00°44'52" W	95.38'
L37	S 00°44'52" W	109.50'
L38	S 89°15'08" E	118.13'
L39	S 89°15'08" E	47.61'
L40	N 22°57'51" E	92.69'

PROFESSIONAL ENGINEER  
No. 11386633  
ALLISON G. ALBERT  
STATE OF UTAH

REVISIONS: REVISED PER COUNTY WATER & IRRIGATION COMMENTS

DATE: 03/20/21  
SURVEY: 03/12/2021  
DRAWN: JHO  
SCALE: MEASURES IN CH ON FULL SIZE SHEETS. ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS.

SCALE: MEASURES IN CH ON FULL SIZE SHEETS. ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS.

WINSTON PARK  
3701 W 1800 S  
WEBER COUNTY, UTAH

PROJECT NO. 2006142

SITE PLAN  
CSP.02  
4 OF 21

CONSTRUCTION KEY NOTE REFERENCE		
NO	DESCRIPTION	DETAIL
1	8" PVC C-900 CULINARY WATER MAIN PER TAYLOR WEST WEBER WATER DISTRICT STDS.	
2	1" POLY WATER SERVICE LINE & METER PER TAYLOR WEST WEBER WATER DISTRICT STDS.	3/CDT.05
3	12" BUTTERFLY VALVE PER TAYLOR WEST WEBER WATER DISTRICT STDS.	1/CDT.05
4	12" PVC C-900 DR18 CULINARY WATER MAIN PER TAYLOR WEST WEBER WATER DISTRICT STDS.	
5	6" PVC C-900 FIRELINE PER TAYLOR WEST WEBER WATER DISTRICT STDS.	
6	FIRE HYDRANT PER TAYLOR WEST WEBER WATER DISTRICT STDS.	3/CDT.05
7	THRUST BLOCK PER TAYLOR WEST WEBER WATER DISTRICT STDS.	1/CDT.05
8	GATE VALVE PER TAYLOR WEST WEBER WATER DISTRICT STDS.	1/CDT.05
9	BLOW OFF VALVE PER TAYLOR WEST WEBER WATER DISTRICT STDS.	8/CDT.05
10	8" PVC SDR-35 SEWER MAIN PER WEBER COUNTY ENGINEERING STDS.	
11	4" PVC SDR-35 SEWER LATERAL (2% MIN SLOPE) PER WEBER COUNTY ENGINEERING STDS.	
12	4" SSMH PER WEBER COUNTY ENGINEERING STDS.	
13	5" SSMH PER WEBER COUNTY ENGINEERING STDS.	

CONSTRUCTION KEY NOTE REFERENCE		
NO	DESCRIPTION	DETAIL
14	12" PVC SDR-35 SEWER MAIN PER WEBER COUNTY ENGINEERING STDS.	
15	12" PVC C-900 PRESSURIZED IRRIGATION PIPE PER HOOPER IRRIGATION STDS.	3/CDT.02
16	8" PVC C-900 PRESSURIZED IRRIGATION PIPE PER HOOPER IRRIGATION STDS.	3/CDT.02
17	THRUST BLOCK PER HOOPER IRRIGATION STDS.	2/CDT.02
18	GATE VALVE PER HOOPER IRRIGATION STDS.	6/CDT.02
19	BLOW OFF VALVE PER HOOPER IRRIGATION STDS.	
20	1" POLY IRRIGATION SERVICE LINE & METER PER HOOPER IRRIGATION STDS.	5/CDT.02
21	8"x6" REDUCER	
22	8"x8"x8" TEE	
23	8"x8"x6" TEE	
24	8"x12" REDUCER	
25	8" 90° BEND	
26	12" 45° BEND	
27	STREET LIGHT PER WEBER COUNTY STDS.	

NOTE:  
PRIOR TO FABRICATION OR CONSTRUCTION, BEGIN AT THE LOW END OF ALL GRAVITY UTILITY LINES AND VERIFY THE INVERT ELEVATION OF THE POINT OF CONNECTION. NOTIFY ENGINEER FOR REDESIGN IF CONNECTION POINT IS HIGHER THAN SHOWN OR IF ANY UTILITY CONFLICTS OCCUR. GRAVITY CONNECTIONS MUST BE DONE PRIOR TO BUILDING FOOTINGS AND ROUGH PLUMBING ARE CONSTRUCTED.

NOTE:  
POTHOLE TO IDENTIFY ANY CONFLICTS BEFORE ANY PIPE INSTALLATION. CONTACT ENGINEER IF ANY CONFLICTS ARE IDENTIFIED.

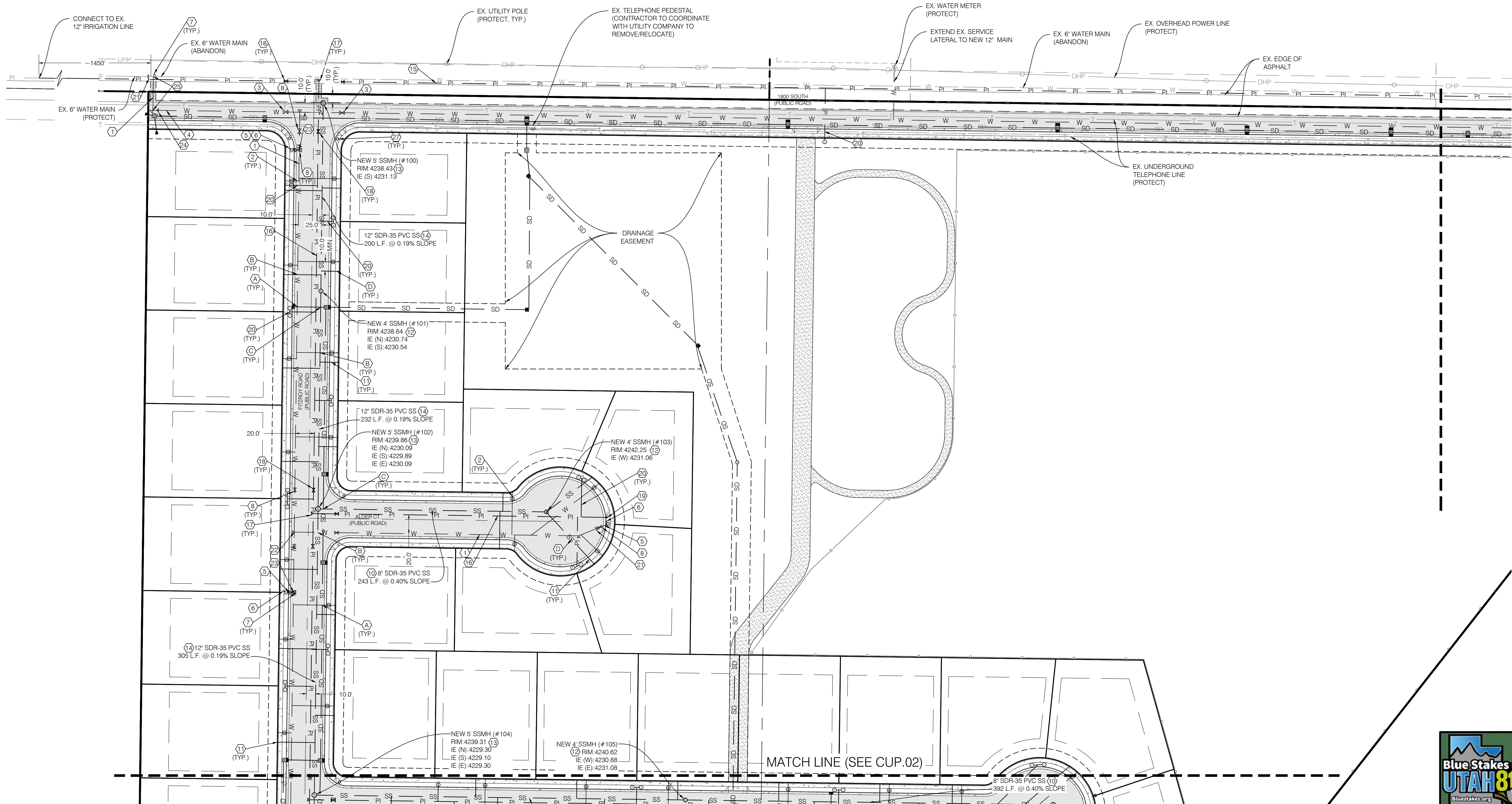
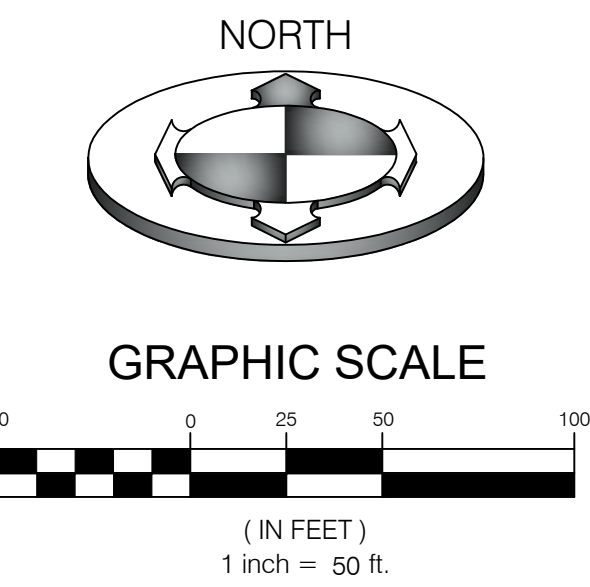
NOTE:  
CONSTRUCTION OF THE PRESSURIZED IRRIGATION SHALL BE IN ACCORDANCE WITH HOOPER IRRIGATION STANDARDS.

NOTE A:  
12" OF VERTICAL SEPERATION REQUIRED BETWEEN STORM AND WATER LINES. LOOP WATER MAIN IF IN CONFLICT.

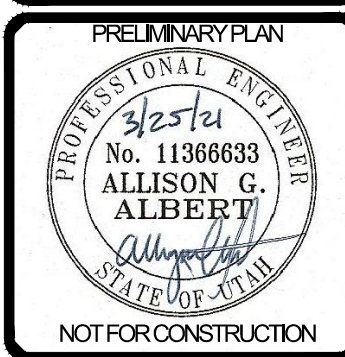
NOTE B:  
18" OF VERTICAL SEPERATION REQUIRED BETWEEN SEWER AND WATER LINES. CONTACT ENGINEER FOR REDESIGN IF NECESSARY

NOTE C:  
12" OF VERTICAL SEPERATION REQUIRED BETWEEN SEWER AND STORM. CONTACT ENGINEER FOR REDESIGN IF NECESSARY

NOTE D:  
SEWER CLEANOUTS MUST BE PROVIDED EVERY 50' ON 4" SEWER LATERALS



DATE	03/2021
NO.	1
DESCRIPTION	REVISED PER COUNTY, WATER & IRRIGATION COMMENTS
DESIGNED BY	AGA
CHECKED BY	AGA
DRAWN BY	JHO
DATE	03/12/2021
NO.	1
DESCRIPTION	2024S2 CUP OPTIMZ



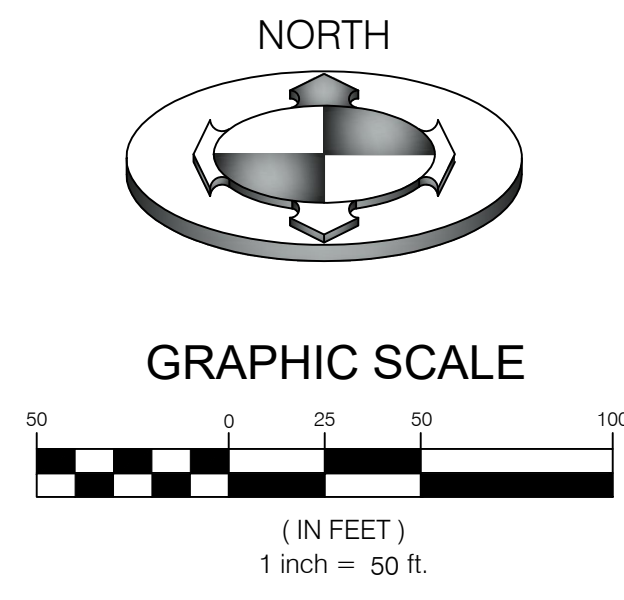
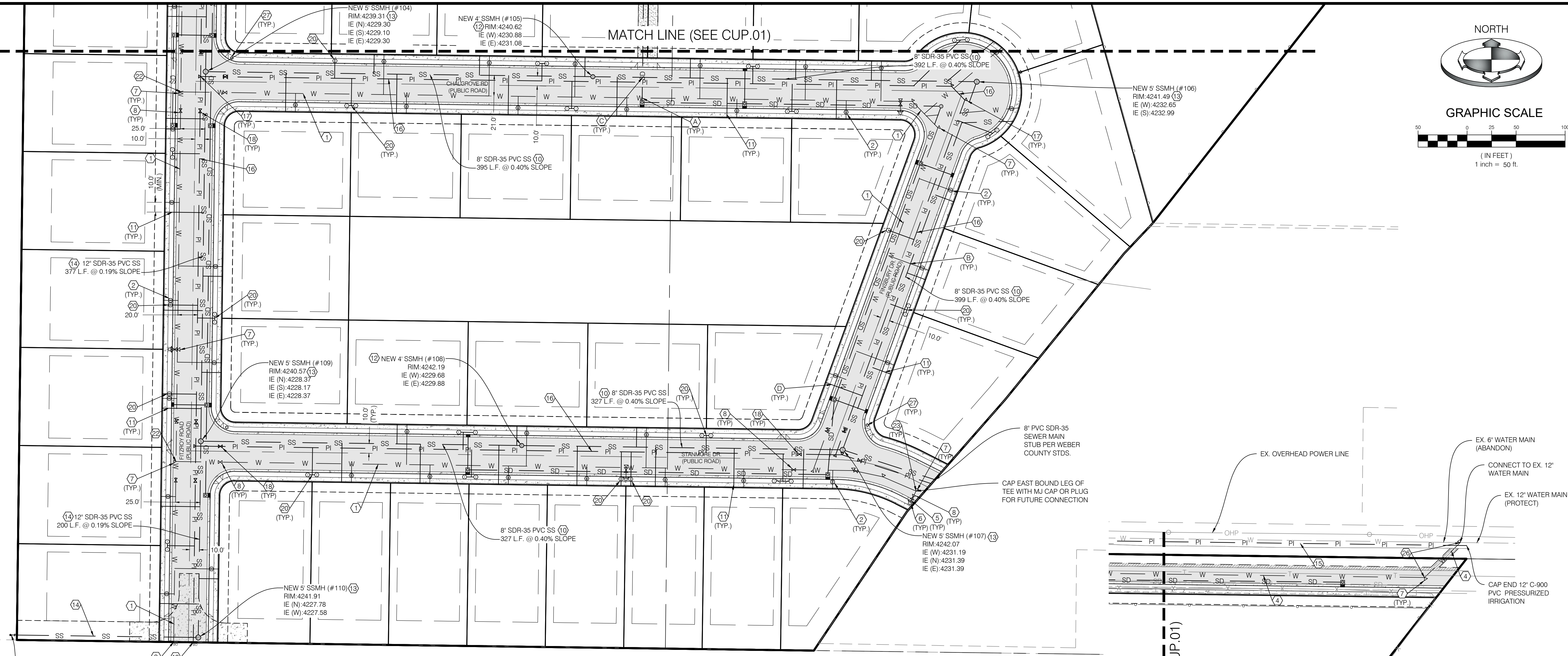
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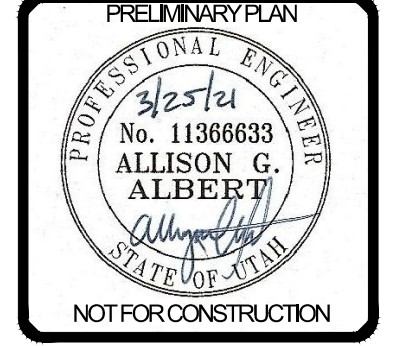
**WINSTON PARK**  
3701 W 1800 S  
WEBER COUNTY, UTAH

PROJECT NO. 2006142  
**UTILITY PLAN**  
CUP.01  
5 OF 21





PROJECT NO.	2006142
DATE	03/20/21
REVISION	REVISED PER COUNTY WATER & IRRIGATION COMMENTS
NO.	1
BY	JHO
CHECKED BY	AGA
DATE	03/12/2021
SCALE	AS SHOWN
SCALE MEASURES	1 INCH ON FULL SIZE SHEETS ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS



**BENCHMARK ENGINEERING & LAND SURVEYING**  
 9138 SOUTH STATE STREET SUITE #100  
 SANDY, UTAH 84070 (801) 542-7192  
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**BENCHMARK CIVIL**

**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

UTILITY PLAN  
 CUP.02  
 6 OF 21

NO.	DESCRIPTION	DETAIL
1	8" PVC C-900 CULINARY WATER MAIN PER TAYLOR WEST WEBER WATER DISTRICT STDS.	
2	1" POLY WATER SERVICE LINE & METER PER TAYLOR WEST WEBER WATER DISTRICT STDS.	3/CDT.05
3	12" BUTTERFLY VALVE PER TAYLOR WEST WEBER WATER DISTRICT STDS.	1/CDT.05
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5	6" PVC C-900 FIRELINE PER TAYLOR WEST WEBER WATER DISTRICT STDS.	
6	FIRE HYDRANT PER TAYLOR WEST WEBER WATER DISTRICT STDS.	3/CDT.05
7	THRUST BLOCK PER TAYLOR WEST WEBER WATER DISTRICT STDS.	1/CDT.05
8	GATE VALVE PER TAYLOR WEST WEBER WATER DISTRICT STDS.	1/CDT.05
9	BLOW OFF VALVE PER TAYLOR WEST WEBER WATER DISTRICT STDS.	8/CDT.05
10	8" PVC SDR-35 SEWER MAIN PER WEBER COUNTY ENGINEERING STDS.	
11	4" PVC SDR-35 SEWER LATERAL (2% MIN SLOPE) PER WEBER COUNTY ENGINEERING STDS.	
12	4" SSMH PER WEBER COUNTY ENGINEERING STDS.	
13	5" SSMH PER WEBER COUNTY ENGINEERING STDS.	
14	12" PVC SDR-35 SEWER MAIN PER WEBER COUNTY ENGINEERING STDS.	
15	12" PVC C-900 PRESSURIZED IRRIGATION PIPE PER HOOPER IRRIGATION STDS.	3/CDT.02
16	8" PVC C-900 PRESSURIZED IRRIGATION PIPE PER HOOPER IRRIGATION STDS.	3/CDT.02
17	THRUST BLOCK PER HOOPER IRRIGATION STDS.	2/CDT.02
18	GATE VALVE PER HOOPER IRRIGATION STDS.	6/CDT.02
19	BLOW OFF VALVE PER HOOPER IRRIGATION STDS.	
20	1" POLY IRRIGATION SERVICE LINE & METER PER HOOPER IRRIGATION STDS.	5/CDT.02
21	8"X6" REDUCER	
22	8"X8"X8" TEE	
23	8"X8"X6" TEE	
24	8"X12" REDUCER	
25	8" 90° BEND	
26	12" 45° BEND	
27	STREET LIGHT PER WEBER COUNTY STDS.	

NOTE:  
 PRIOR TO FABRICATION OR CONSTRUCTION, BEGIN AT THE LOW END OF ALL GRAVITY UTILITY LINES AND VERIFY THE INVERT ELEVATION OF THE POINT OF CONNECTION. NOTIFY ENGINEER FOR REDESIGN IF CONNECTION POINT IS HIGHER THAN SHOWN OR IF ANY UTILITY CONFLICTS OCCUR. GRAVITY CONNECTIONS MUST BE DONE PRIOR TO BUILDING FOOTINGS AND ROUGH PLUMBING ARE CONSTRUCTED.

NOTE A:  
 12" OF VERTICAL SEPARATION REQUIRED BETWEEN STORM AND WATER LINES. LOOP WATER MAIN IF IN CONFLICT.

NOTE B:  
 18" OF VERTICAL SEPARATION REQUIRED BETWEEN SEWER AND WATER LINES. CONTACT ENGINEER FOR REDESIGN IF NECESSARY.

NOTE C:  
 12" OF VERTICAL SEPARATION REQUIRED BETWEEN SEWER AND STORM. CONTACT ENGINEER FOR REDESIGN IF NECESSARY.

NOTE D:  
 SEWER CLEANOUTS MUST BE PROVIDED EVERY 50' ON 4" SEWER LATERALS.

NOTE:  
 POT HOLE TO IDENTIFY ANY CONFLICTS BEFORE ANY PIPE INSTALLATION. CONTACT ENGINEER IF ANY CONFLICTS ARE IDENTIFIED.

NOTE:  
 CONSTRUCTION OF THE PRESSURIZED IRRIGATION SHALL BE IN ACCORDANCE WITH HOOPER IRRIGATION STANDARDS.



GRADING AND DRAINAGE KEY NOTE REFERENCE		
NO.	DESCRIPTION	DETAIL
1	GRADE SITE TO ELEVATIONS SHOWN ON PLAN	
2	8.5" ORIFICE PLATE	2/CDT.03
3	STORM DRAIN INLET BOX PER APWA #315.1	
4	STORM DRAIN CLEAN OUT	1/CDT.04
5	STORM DRAIN COMBO BOX PER APWA #316	
6	FLARED END SECTION	2/CDT.04
7	18" SNOUT	4/CDT.03
8	STORM DRAIN MAN-HOLE	

GRADING AND DRAINAGE KEY NOTE REFERENCE		
NO.	DESCRIPTION	DETAIL
9	15" Ø RCP CLASS III SD PIPE	
10	18" Ø RCP CLASS III SD PIPE	
11	21" Ø RCP CLASS III SD PIPE	
12	24" Ø RCP CLASS III SD PIPE	
13	12" Ø PERFORATED HDPE SD PIPE	3/CDT.04
14	3'X3' CATCH BASIN	1/CDT.03
15	SERIES 37 IN-LINE CHECK VALVE OR APPROVED EQUAL	3/CDT.03
16	15" Ø RCP CLASS III SD PIPE; 2.5 LF @ 0.50% (SEE NOTE A)	

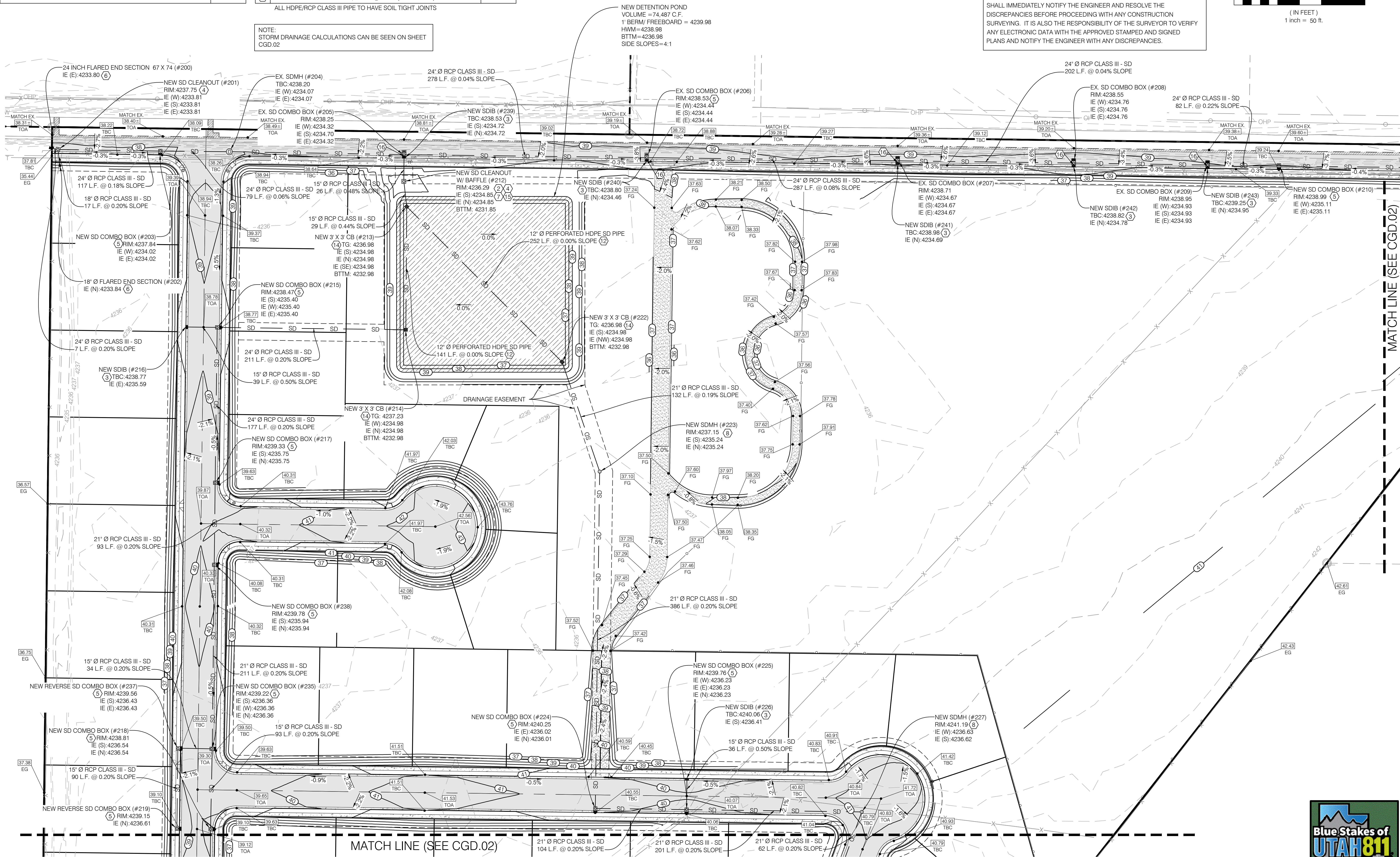
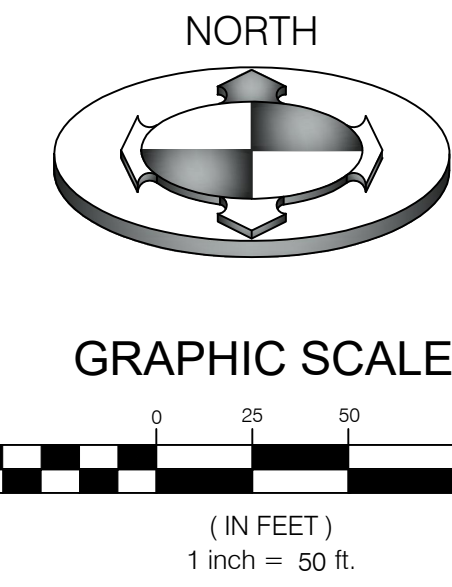
NOTE: STORM DRAINAGE CALCULATIONS CAN BE SEEN ON SHEET CGD.02

NOTE: PRIOR TO FABRICATION OR CONSTRUCTION, BEGIN AT THE LOW END OF ALL GRAVITY UTILITY LINES AND VERIFY THE INVERT ELEVATION OF THE POINT OF CONNECTION. NOTIFY ENGINEER FOR REDESIGN IF CONNECTION POINT IS HIGHER THAN SHOWN OR IF ANY UTILITY CONFLICTS OCCUR. GRAVITY CONNECTIONS MUST BE DONE PRIOR TO BUILDING FOOTINGS AND ROUGH PLUMBING ARE CONSTRUCTED.

NOTE: POT HOLE TO IDENTIFY ANY CONFLICTS BEFORE ANY PIPE INSTALLATION. CONTACT ENGINEER IF ANY CONFLICTS ARE IDENTIFIED.

NOTE A: CONTRACTOR TO FIELD VERIFY DISTANCE BETWEEN EXISTING SD COMBO BOX AND NEW SDIB PRIOR TO INSTALLATION OF 15" Ø CLASS III RCP. ADJUST EX. COMBO BOX LID TO GRADE AS NEEDED.

**SURVEY CONTROL NOTE:**  
THE CONTRACTOR OR SURVEYOR PERFORMING THE CONSTRUCTION SURVEYING SHALL BE RESPONSIBLE TO PROVIDE CONSTRUCTION LAYOUT PER THE APPROVED PLANS ONLY. THE SURVEYOR SHALL ALSO BE RESPONSIBLE FOR VERIFYING HORIZONTAL CONTROL FROM THE SURVEY MONUMENTS AND FOR VERIFYING ANY ADDITIONAL CONTROL POINTS SHOWN ON THE SURVEY OR IMPROVEMENTS PLANS OR ON ELECTRONIC DATA PROVIDED BY BENCHMARK ENGINEERING AND LAND SURVEYING. THE SURVEYOR SHALL ALSO USE THE BENCHMARKS AS SHOWN ON THE PLAN, AND VERIFY THEM AGAINST NO LESS THAN THREE EXISTING HARD IMPROVEMENT ELEVATIONS INCLUDED ON THESE PLANS OR ON ELECTRONIC DATA PROVIDED BY BENCHMARK ENGINEERING AND LAND SURVEYING. IF ANY DISCREPANCIES ARE ENCOUNTERED, THE SURVEYOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND RESOLVE THE DISCREPANCIES BEFORE PROCEEDING WITH ANY CONSTRUCTION SURVEYING. IT IS ALSO THE RESPONSIBILITY OF THE SURVEYOR TO VERIFY ANY ELECTRONIC DATA WITH THE APPROVED STAMPED AND SIGNED PLANS AND NOTIFY THE ENGINEER WITH ANY DISCREPANCIES.



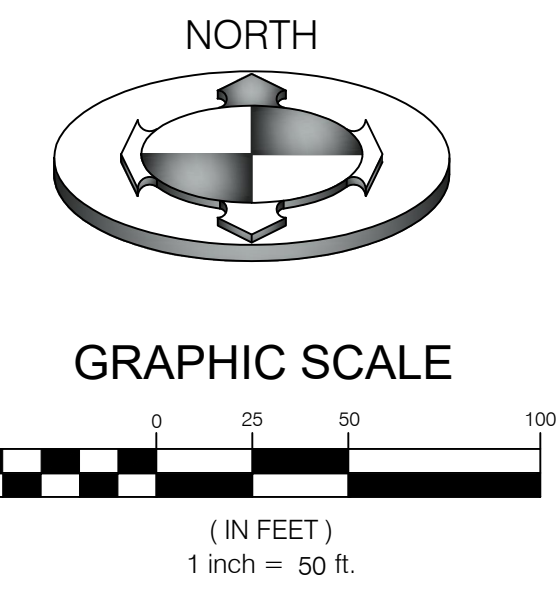
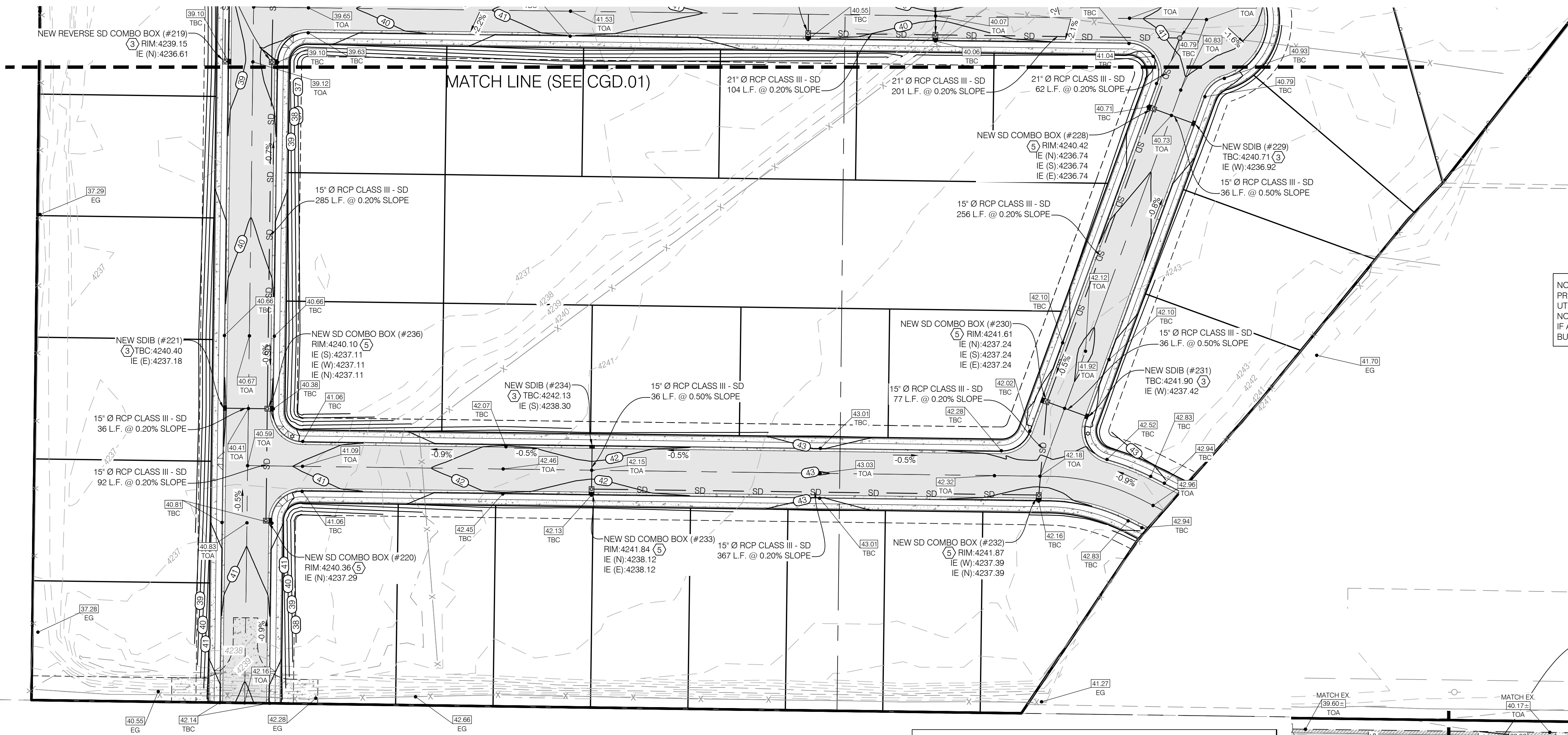
PROJECT NO.	2006142
DATE	03/20/21
REVISION	1
DESCRIPTION	REVISED PER COUNTY WATER & IRRIGATION COMMENTS
BY	AGA
CHECKED BY	SURVEY
DATE	03/12/2021
SCALE	AS SHOWN
SCALE MEASURES	HIGH ON FULL SIZE SHEETS & ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS

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9188 SOUTH STATE STREET SUITE #100  
SANDY, UTAH 84770 (801) 542-7192  
www.benchmarkcivil.com

**Winston Park**  
3701 W 1800 S  
WEBER COUNTY, UTAH

**Blue Stakes of UTAH811**  
BlueStakes.org

CGD.01  
7 OF 21



NOTE:  
PRIOR TO FABRICATION OR CONSTRUCTION, BEGIN AT THE LOW END OF ALL GRAVITY UTILITY LINES AND VERIFY THE INVERT ELEVATION OF THE POINT OF CONNECTION. NOTIFY ENGINEER FOR REDESIGN IF CONNECTION POINT IS HIGHER THAN SHOWN OR IF ANY UTILITY CONFLICTS OCCUR. GRAVITY CONNECTIONS MUST BE DONE PRIOR TO BUILDING FOOTINGS AND ROUGH PLUMBING ARE CONSTRUCTED.

NOTE:  
SAWCUT WIDTH, LOCATIONS AND TIE-IN ELEVATIONS IN EXISTING HARDSCAPE ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY LOCATION AND EXTENT OF SAWCUTTING PRIOR TO CONSTRUCTION. NOTIFY CIVIL ENGINEER IF REVISIONS ARE REQUIRED. SEE NOTE 58 ON CGN.01 FOR FURTHER DETAIL.

NOTE:  
POTHOLE TO IDENTIFY ANY CONFLICTS BEFORE ANY PIPE INSTALLATION. CONTACT ENGINEER IF ANY CONFLICTS ARE IDENTIFIED.

NO.	DESCRIPTION	DETAIL
1	GRADE SITE TO ELEVATIONS SHOWN ON PLAN	
2	8.5" ORIFICE PLATE	2/CDT.03
3	STORM DRAIN INLET BOX PER APWA #315.1	
4	STORM DRAIN CLEAN OUT	1/CDT.04
5	STORM DRAIN COMBO BOX PER APWA #316	
6	FLARED END SECTION	2/CDT.04
7	18" SNOUT	4/CDT.03
8	STORM DRAIN MANHOLE	
9	15" Ø RCP CLASS III SD PIPE	
10	18" Ø RCP CLASS III SD PIPE	
11	21" Ø RCP CLASS III SD PIPE	
12	24" Ø RCP CLASS III SD PIPE	
13	12" Ø PERFORATED HDPE SD PIPE	3/CDT.04
14	3'X3' CATCH BASIN	1/CDT.03
15	SERIES 37 IN-LINE CHECK VALVE OR APPROVED EQUAL	3/CDT.03
16	15" Ø RCP CLASS III SD PIPE, 1-5 LF @ 0.50% (SEE NOTE A)	

ALL HDPE/RCP CLASS III PIPE TO HAVE SOIL TIGHT JOINTS

**SURVEY CONTROL NOTE:**  
THE CONTRACTOR OR SURVEYOR PERFORMING THE CONSTRUCTION SURVEYING SHALL BE RESPONSIBLE TO PROVIDE CONSTRUCTION LAYOUT PER THE APPROVED PLANS ONLY. THE SURVEYOR SHALL ALSO BE RESPONSIBLE FOR VERIFYING HORIZONTAL CONTROL FROM THE SURVEY MONUMENTS AND FOR VERIFYING ANY ADDITIONAL CONTROL POINTS SHOWN ON THE SURVEY OR IMPROVEMENTS PLANS OR ON ELECTRONIC DATA PROVIDED BY BENCHMARK ENGINEERING AND LAND SURVEYING. THE SURVEYOR SHALL ALSO USE THE BENCHMARKS AS SHOWN ON THE PLAN, AND VERIFY THEM AGAINST NO LESS THAN THREE EXISTING HARD IMPROVEMENT ELEVATIONS INCLUDED ON THESE PLANS OR ON ELECTRONIC DATA PROVIDED BY BENCHMARK ENGINEERING AND LAND SURVEYING. IF ANY DISCREPANCIES ARE ENCOUNTERED, THE SURVEYOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND RESOLVE THE DISCREPANCIES BEFORE PROCEEDING WITH ANY CONSTRUCTION SURVEYING. IT IS ALSO THE RESPONSIBILITY OF THE SURVEYOR TO VERIFY ANY ELECTRONIC DATA WITH THE APPROVED STAMPED AND SIGNED PLANS AND NOTIFY THE ENGINEER WITH ANY DISCREPANCIES.

**NOTE A:**  
CONTRACTOR TO FIELD VERIFY DISTANCE BETWEEN EXISTING SD COMBO BOX AND NEW SDIB PRIOR TO INSTALLATION OF 15" Ø CLASS III RCP. ADJUST EX. COMBO BOX LID TO GRADE AS NEEDED.

### STORM DRAINAGE CALCULATIONS Rational Method (Q=CIA)

Area Identification (A)	Rational Coefficient (C)	C*A
Roof = 162,000	0.9	145800 S.F.
Pavement = 237,126	0.9	213413 S.F.
Landscaping = 1,313,176	0.2	262635 S.F.
<b>Sum = 1712502 S.F.</b>		<b>Sum = 621848 S.F.</b>

NOAA ATLAS 14 (100 YEAR STORM)			Allowable Discharge = 10cfs/acre	
Time (min)	Intensity (in/hr)	Rainfall Excess (cu.ft.)	Allowed Discharge (cu.ft.)	Volume to Detain (cu.ft.)
15	4.10	1,025	53116	49578
30	2.76	1,380	71513	64437
60	1.71	1,710	88613	74462
120	0.93	1,860	96387	68084
180	0.64	1,905	98718	56265
360	0.35	2,124	110067	25160
720	0.22	2,604	134941	0
1440	0.12	2,904	150487	0

**Detention Calculations**  
**Pond Volume**  
 Detention Pond Civil 3D = **74,487 cf**

**Pipe Volume**

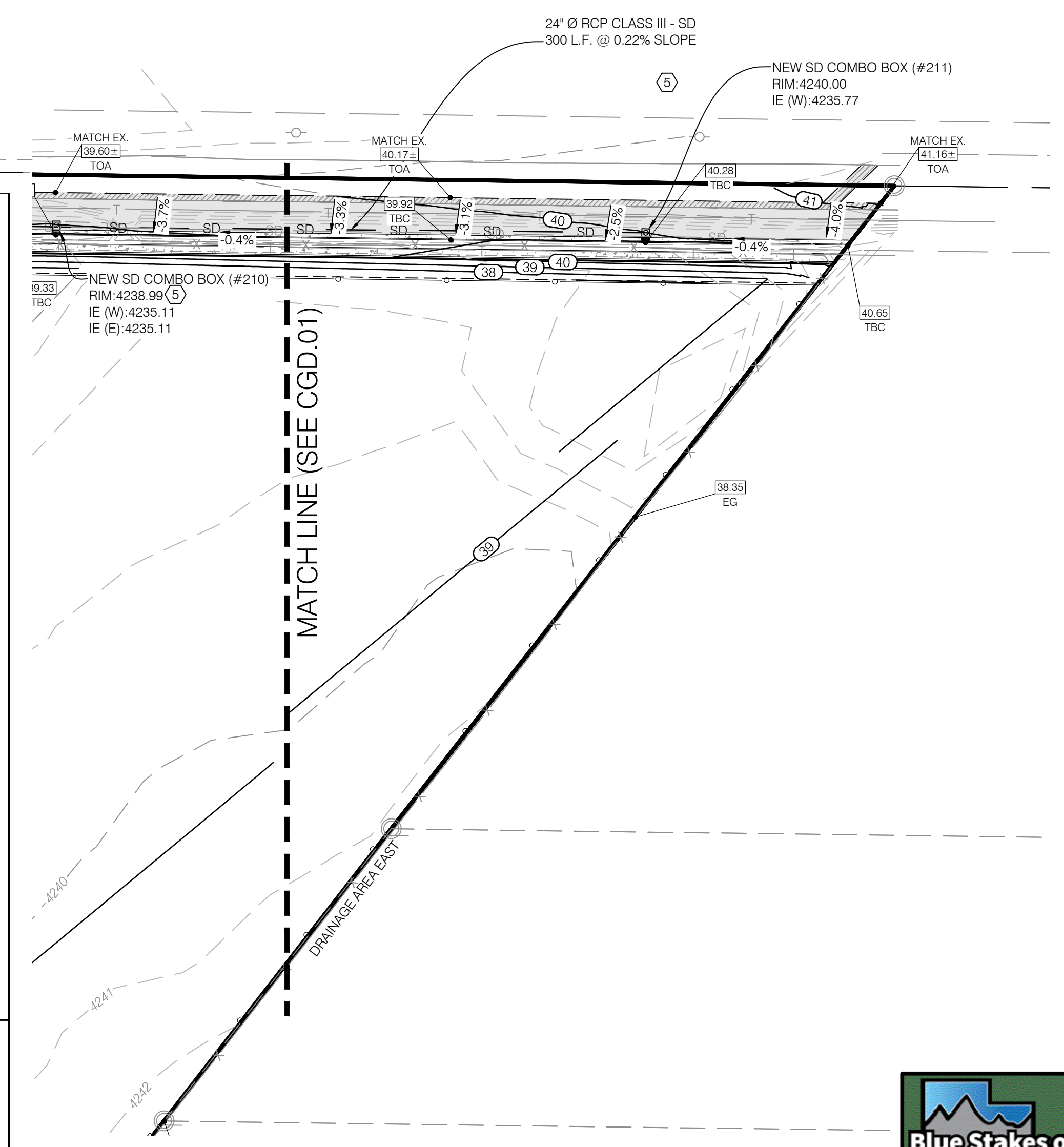
12 in. Pipe	Length = 393 lf	Volume = 309 cf
15 in. Pipe	Length = 1,513 lf	Volume = 1,857 cf
21 in. Pipe	Length = 1,189 lf	Volume = 2,860 cf
24 in. Pipe	Length = 388 lf	Volume = 1,219 cf

Is there adequate storage?      Storage Provided = **80,731 cf**  
 Req. Storage = **74,462 cf**      **YES**

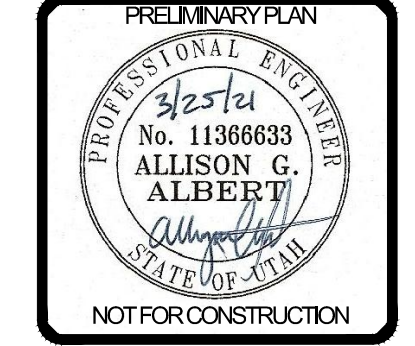
Orifice Design:  
The storm runoff will be detained at 0.1 cfs/acre

$$Q = C_d A_0 \sqrt{2gh}$$

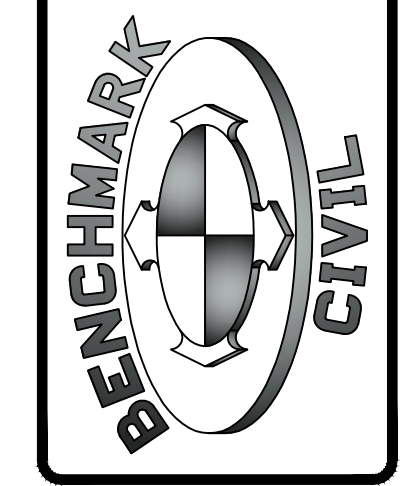
Total acreage of development:	39.31 acres
Allowable discharge:	0.1 cfs/acre
Max head:	4.13 ft
Design diameter for new orifice:	8.5 inch



PROJECT NO.	2006142
DATE	03/20/21
REVISION	1
BY	JHO
CHECKED BY	AGA
DESIGNED BY	SURVEY
DATE	03/12/2021
SCALE	AS SHOWN
PROJECT	GRADING & DRAINAGE
DESCRIPTION	REVISION PER COUNTY WATER & IRRIGATION COMMENTS



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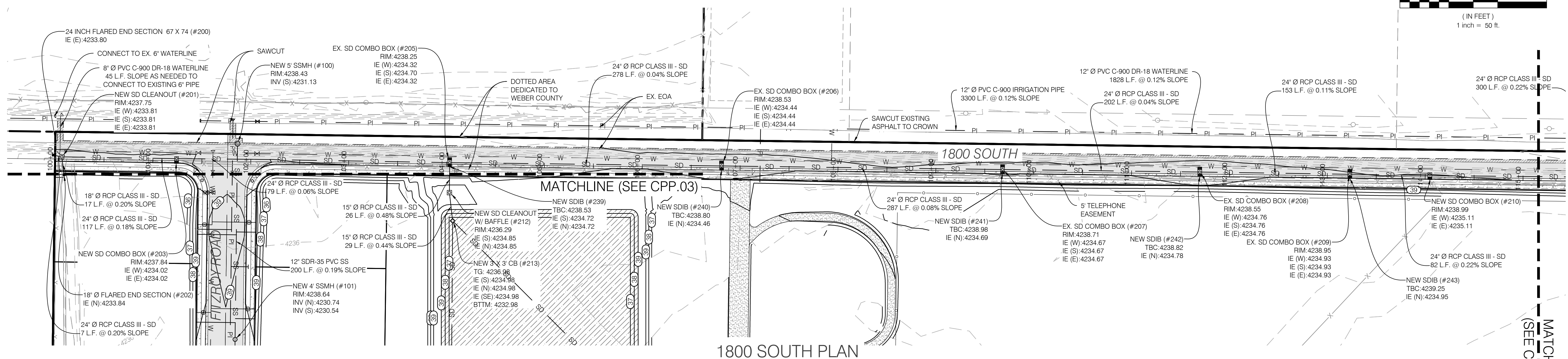
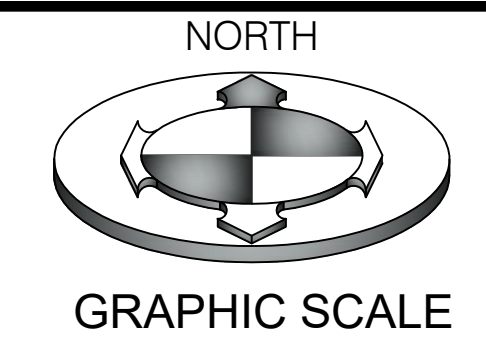


**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

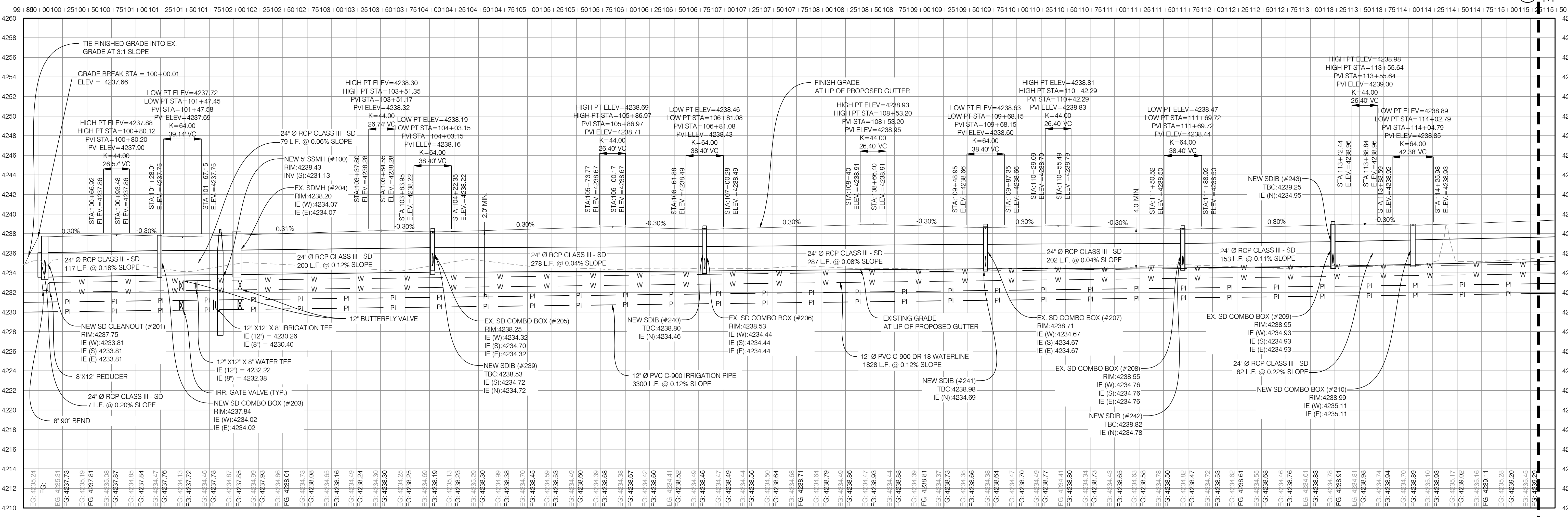
PROJECT NO. 2006142  
**GRADING & DRAINAGE PLAN**  
 CGD.02  
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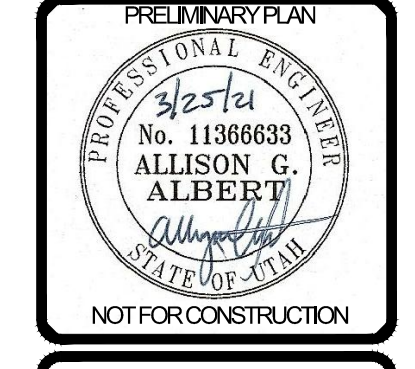


1800 SOUTH PLAN  
STATION



1800 SOUTH PROFILE

NO.	1
DATE	03/20/21
REVISION	REVISED PER COUNTY WATER & IRRIGATION COMMENTS
BY	JHO
CHECKED BY	AGA
DESIGNED BY	SURVEY
DATE	03/12/2021
SCALE	2000:2 CPP-01
SCALE	MEASURES 1/4" ON FULL SIZE SHEETS
SCALE	ADJUST ACCORDING TO REDUCED SIZE SHEETS



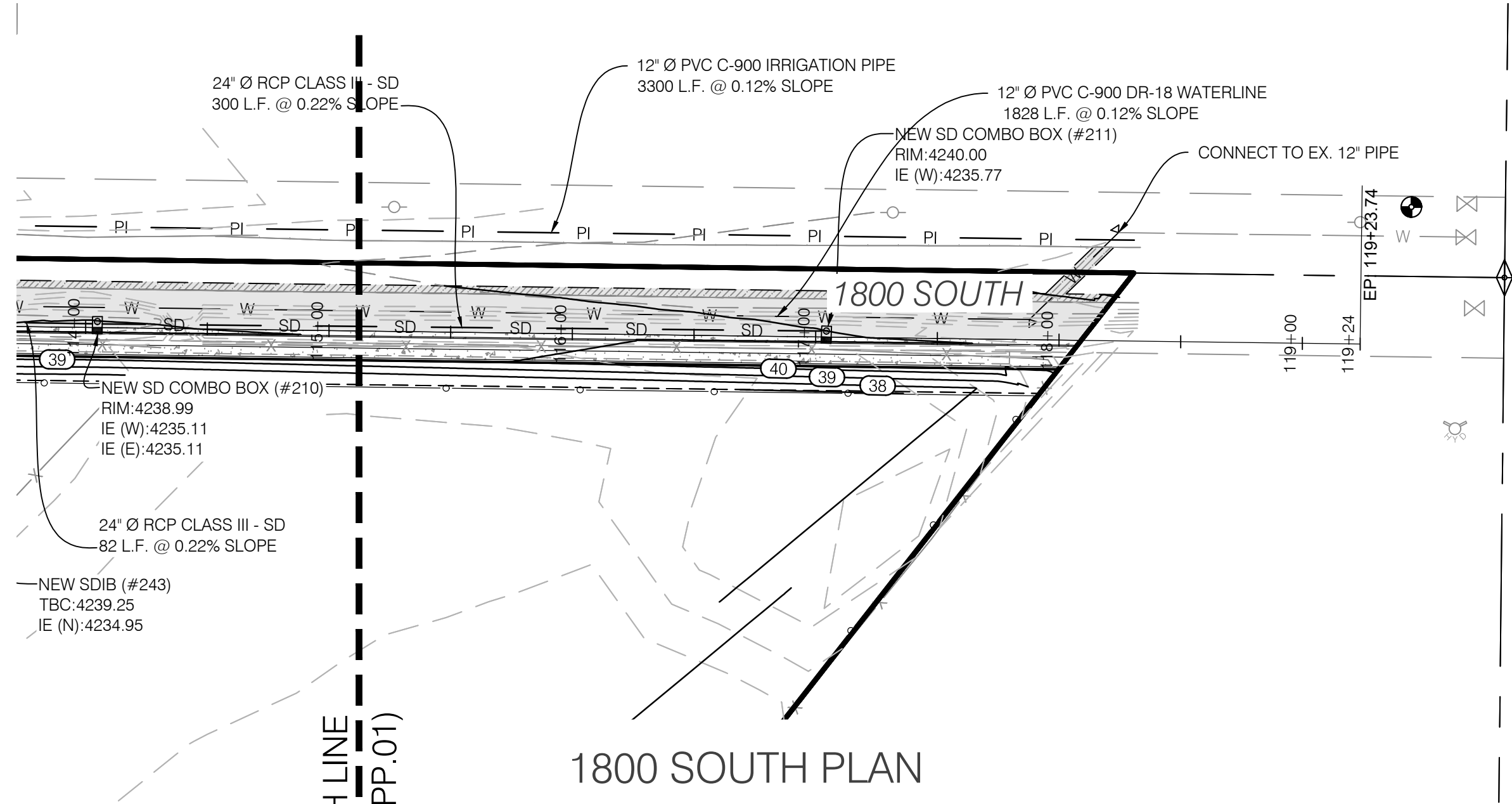
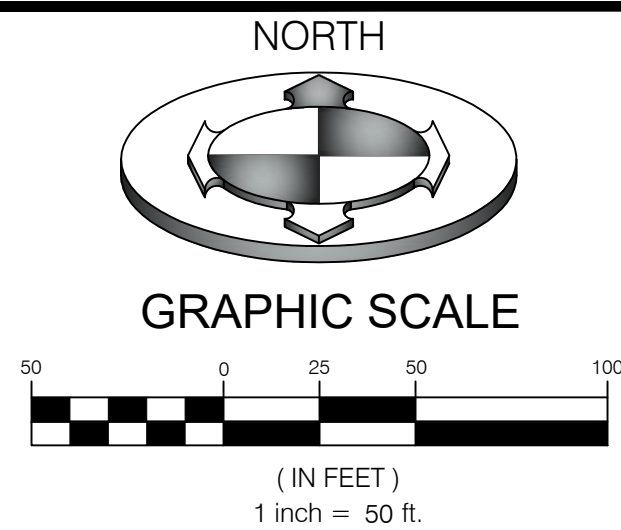
**BENCHMARK ENGINEERING & LAND SURVEYING**  
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**BENCHMARK CIVIL**

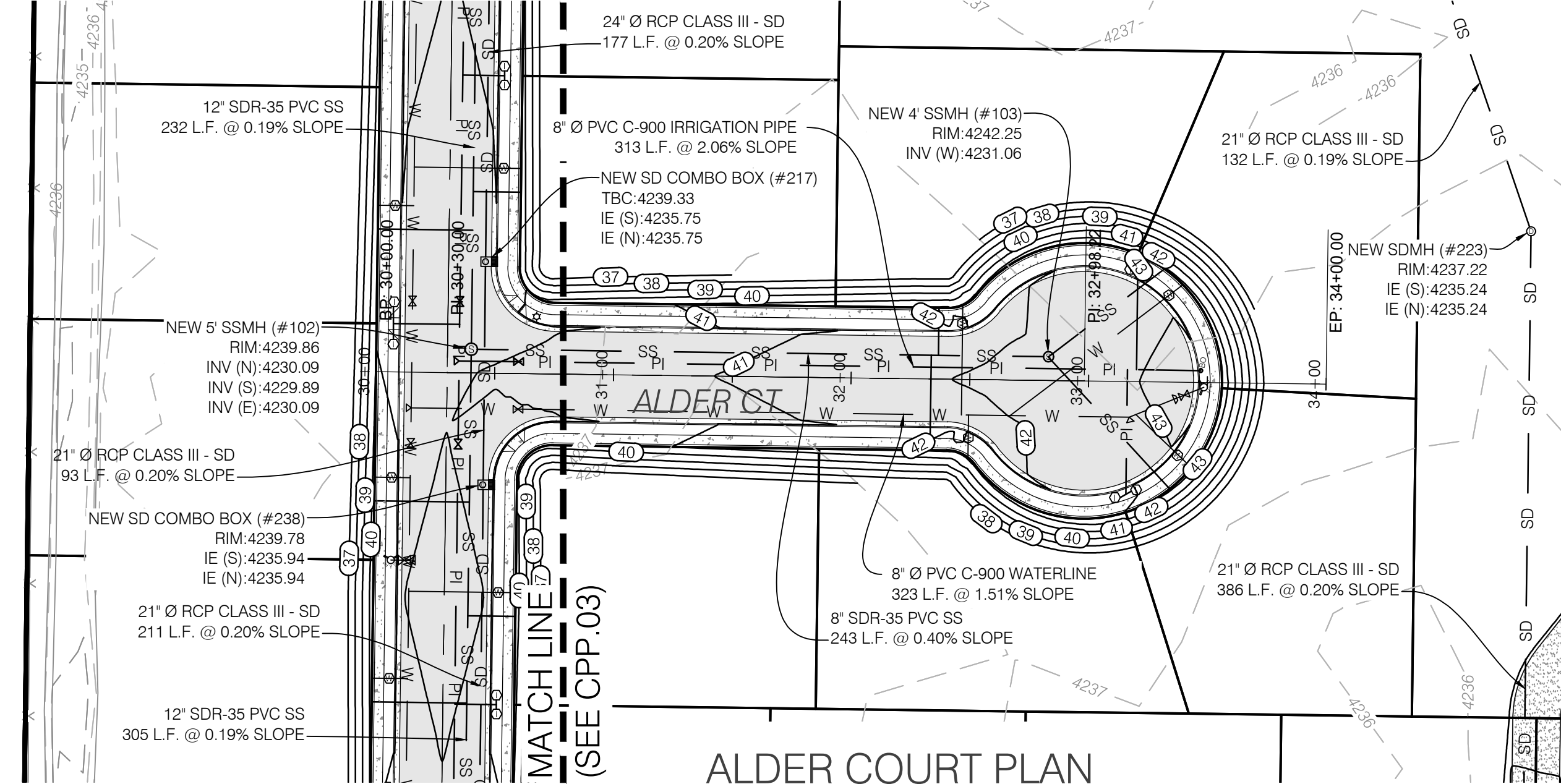
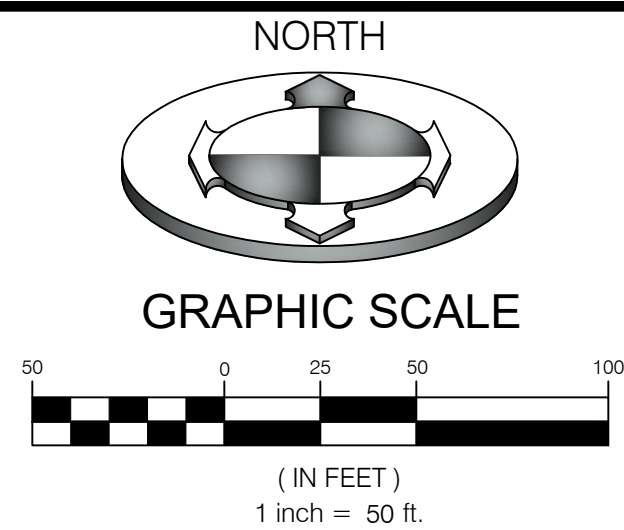
**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

PROJECT NO. 2006142  
**ROADWAY PLAN & PROFILE**  
 CPP.01  
 9 OF 21

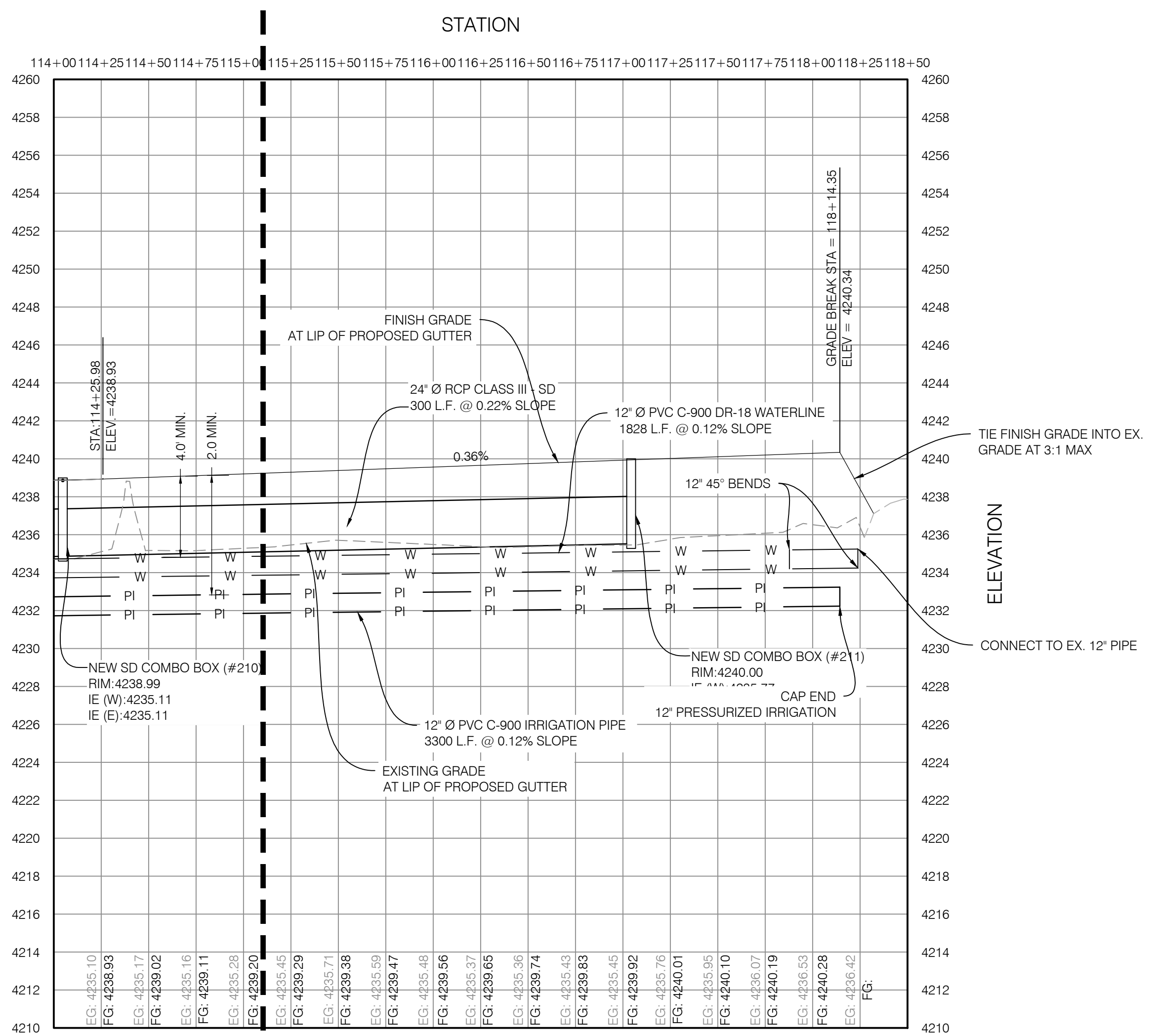




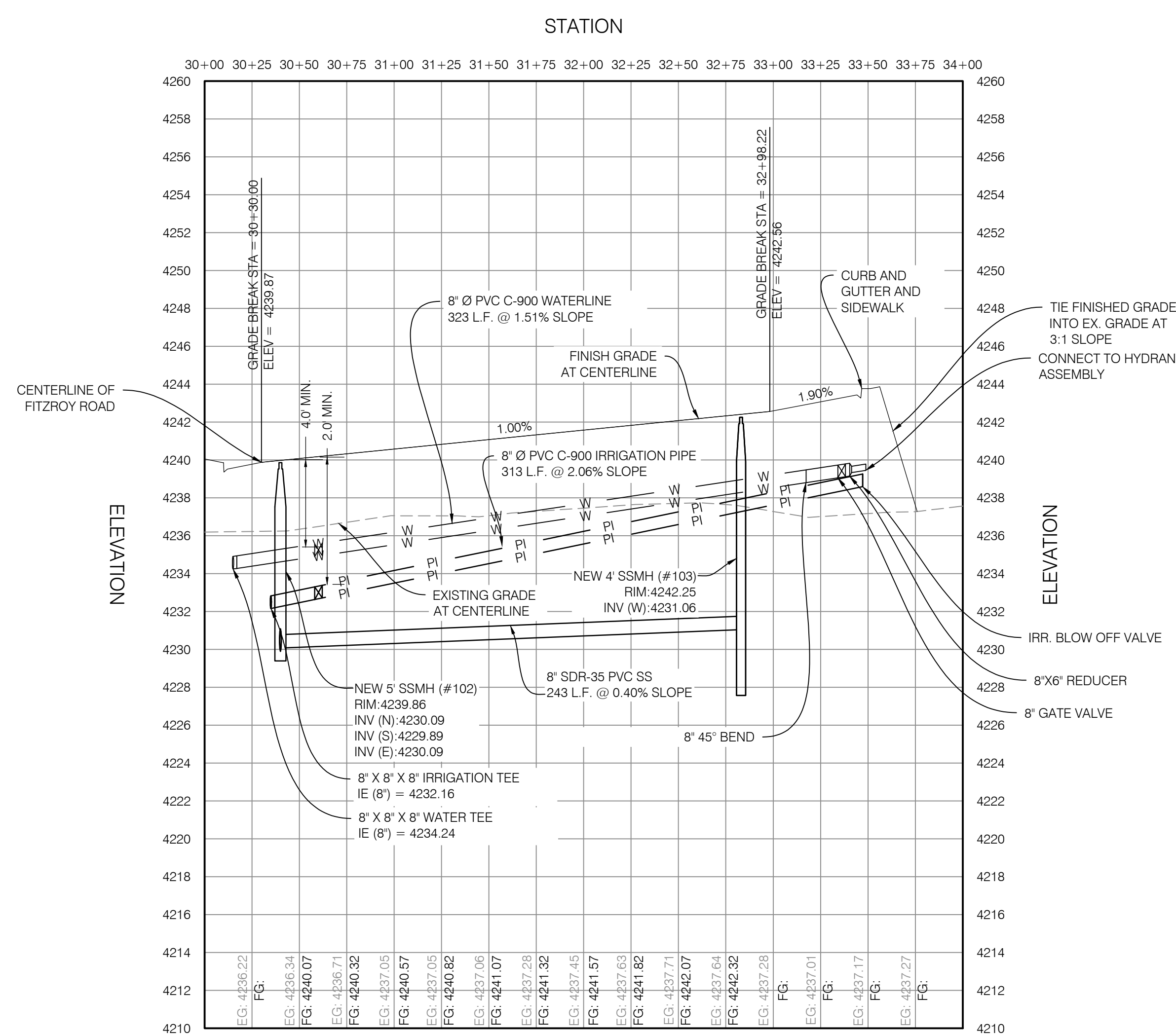
1800 SOUTH PLAN



ALDER COURT PLAN



1800 SOUTH PROFILE



ALDER CT PROFILE

NO.	DATE	DESCRIPTION
1	03/20/21	REVISED PER COUNTY WATER & IRRIGATION COMMENTS

DRAWN BY: JHO  
 CHECKED BY: AGA  
 FIELD OPER: SURVEY  
 DATE: 03/12/2021  
 DWG FILE: 2006142\_CPP\_02.DWG

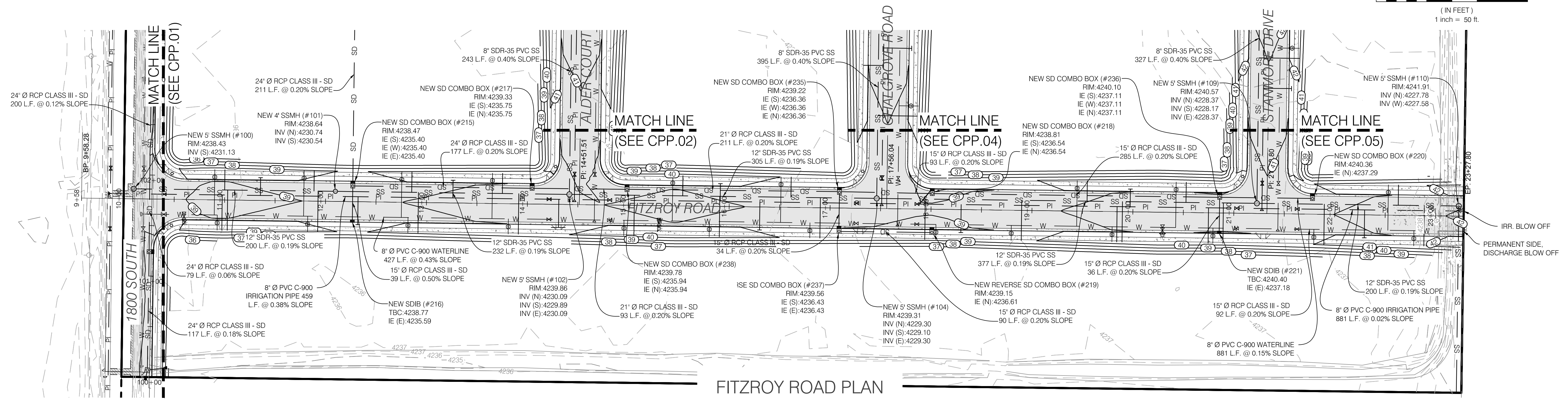
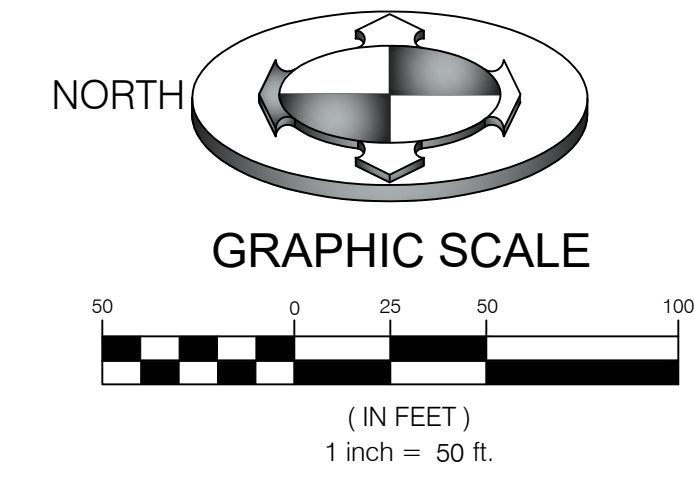
**PROFESSIONAL ENGINEER**  
 No. 11366833  
**ALLISON G. ALBERT**  
 STATE OF UTAH  
 NOT FOR CONSTRUCTION

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**BENCHMARK CIVIL**  
**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

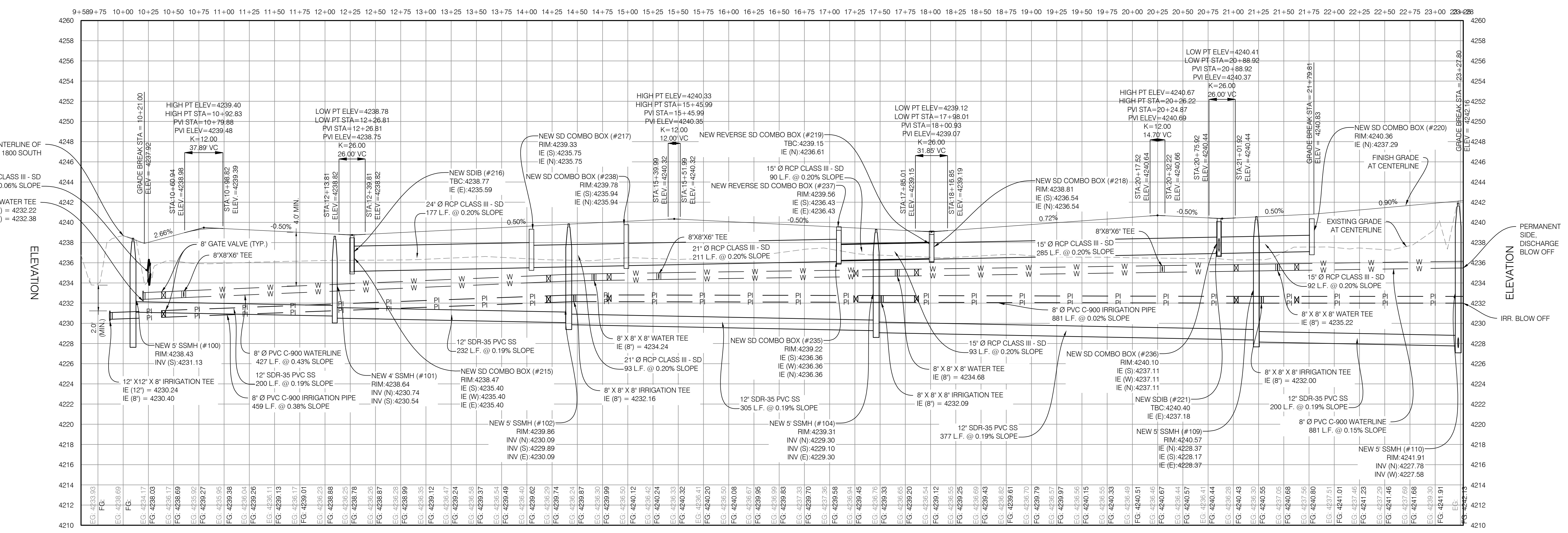
PROJECT NO. 2006142  
**ROADWAY PLAN & PROFILE**  
 CPP.02  
 10 OF 21





FITZROY ROAD PLAN

STATION



FITZROY ROAD PROFILE

NO.	DATE	DESCRIPTION
1	03/20/21	REVISED PER COUNTY, WATER & IRRIGATION COMMENTS

DRAWN BY: JHO  
 CHECKED BY: AGA  
 FIELD SUPERVISOR: SURVEY  
 DATE: 03/12/2021  
 DRAWING FILE: 2006142\_CPP-03.DWG

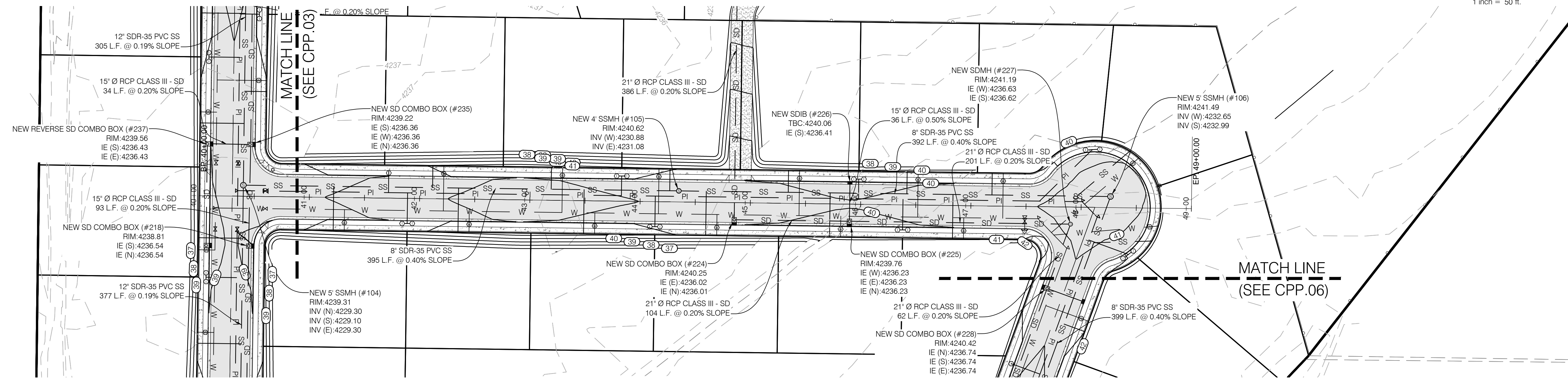
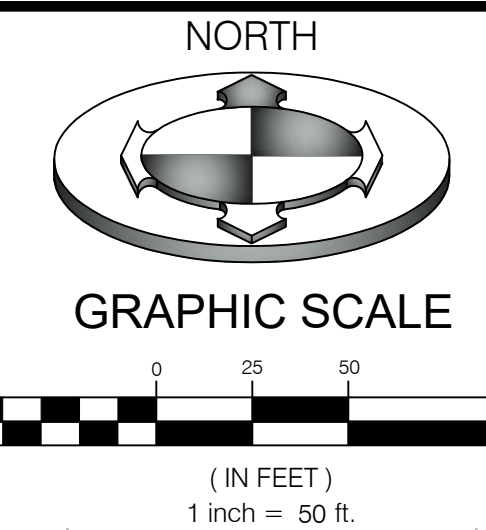
**BENCHMARK ENGINEERING & LAND SURVEYING**  
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**BENCHMARK CIVIL**

**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

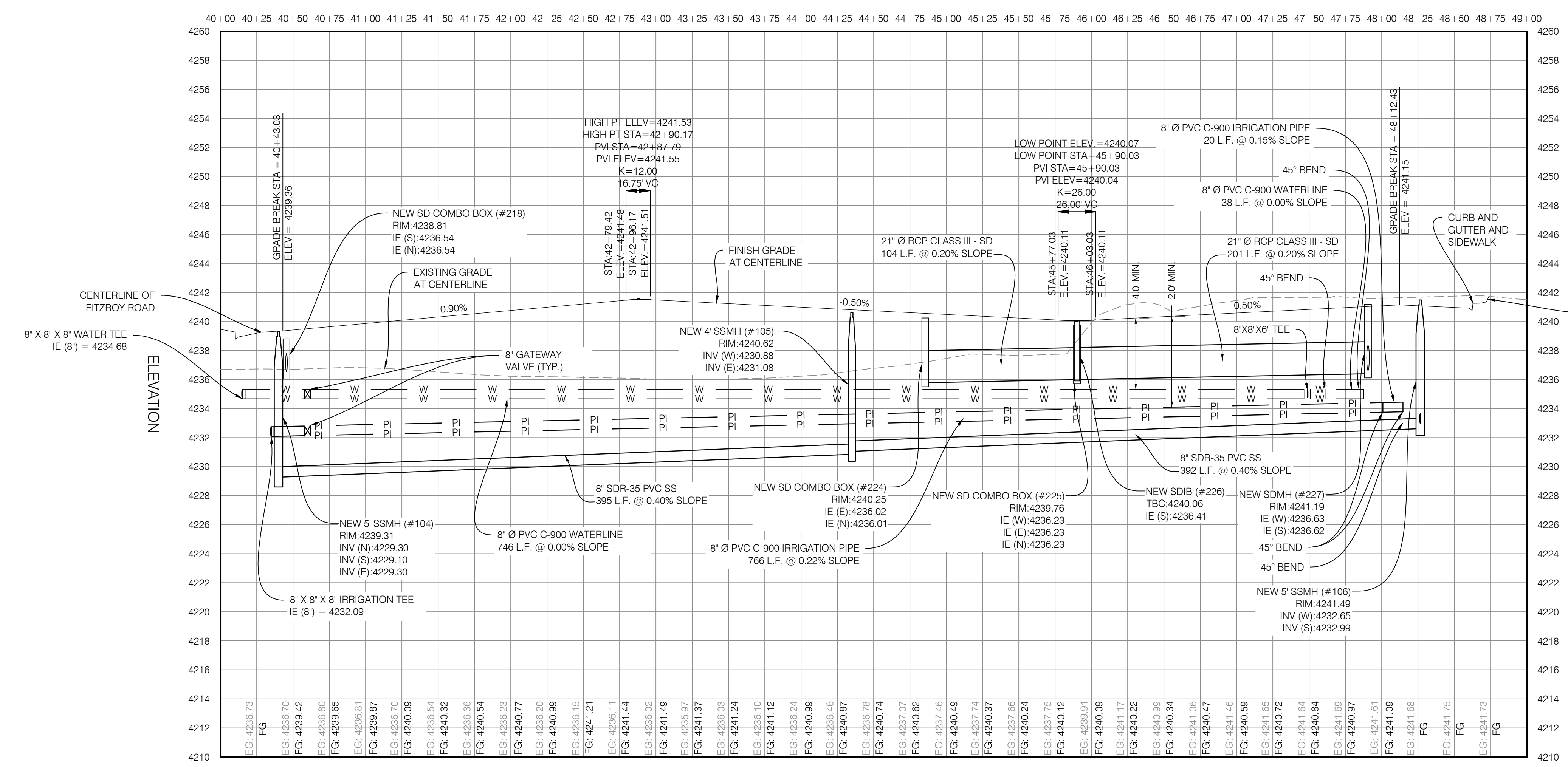
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 CPP.03  
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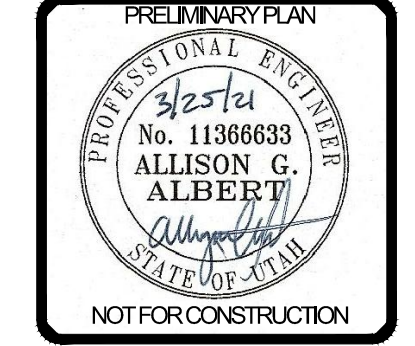
CHALGROVE DRIVE PLAN

STATION

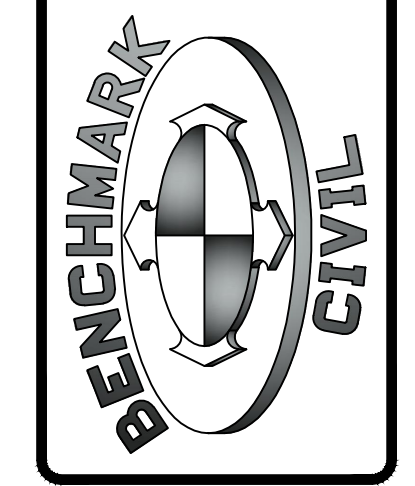


CHALGROVE RD PROFILE

PROJECT NO.	2006142
DATE	03/20/21
REVISION	REVISED PER COUNTY WATER & IRRIGATION COMMENTS
NO.	1
BY	JHO
CHECKED BY	AGA
FIELD OPER.	SURVEY
DATE	03/12/2021
SCALE	AS SHOWN ON SHEETS
SCALE MEASURES	1 INCH ON FULL SIZE SHEETS
ADJUST	AS SHOWN ON SHEETS



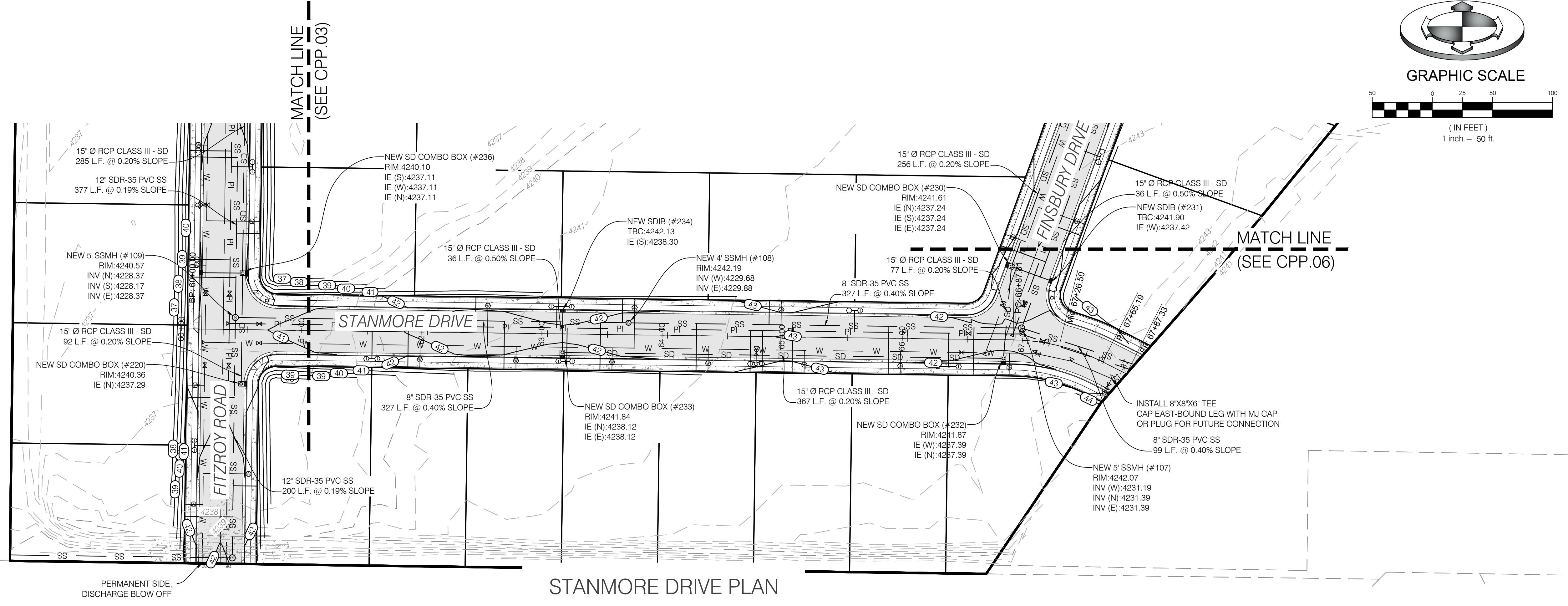
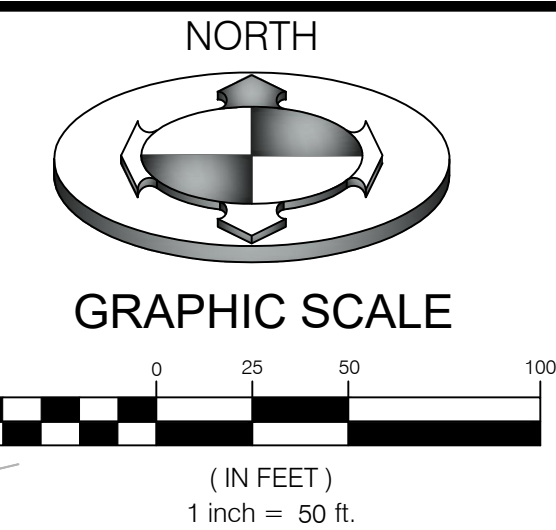
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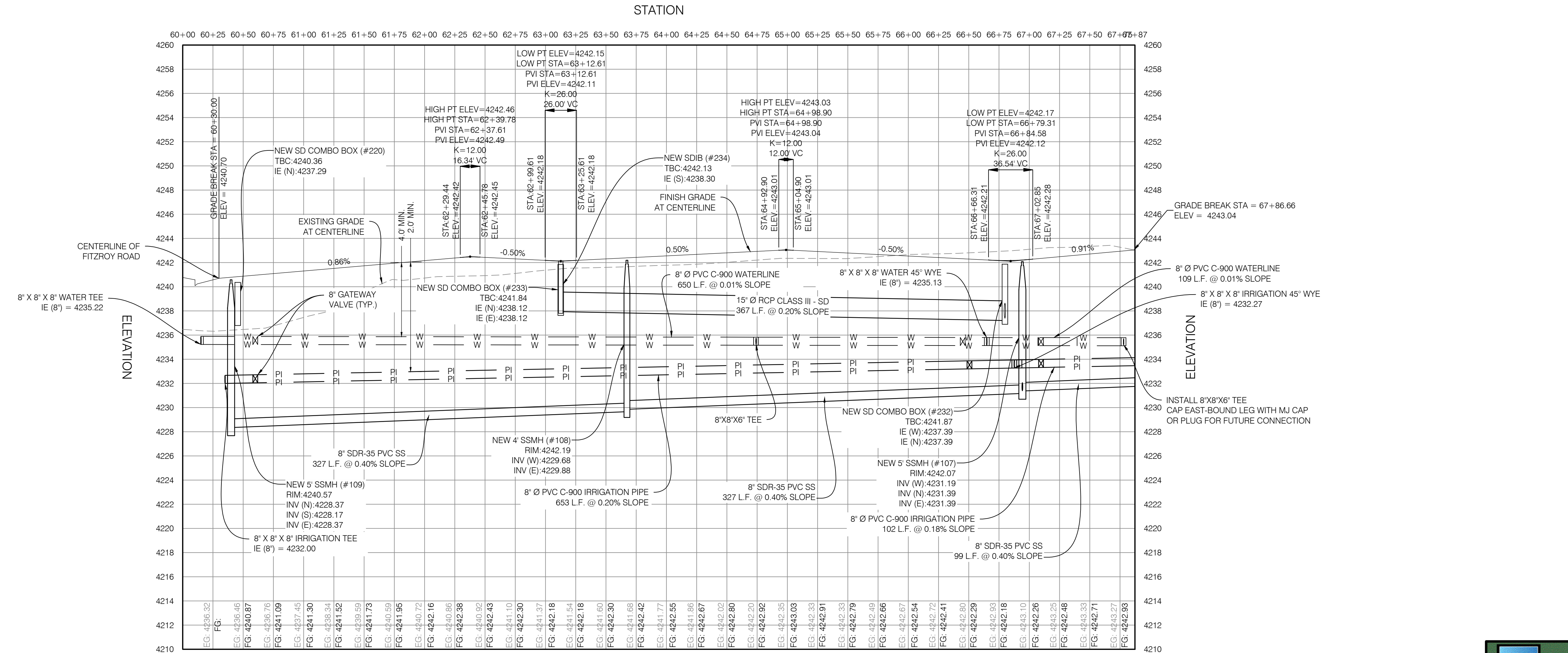
**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

PROJECT NO. 2006142  
**ROADWAY PLAN & PROFILE**  
 CPP.04  
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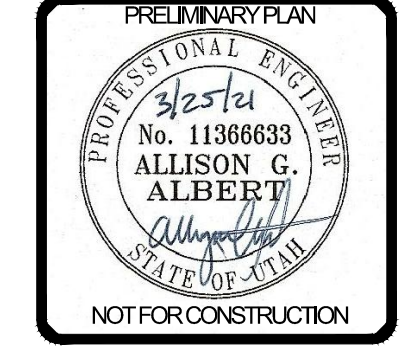


STANMORE DRIVE PLAN

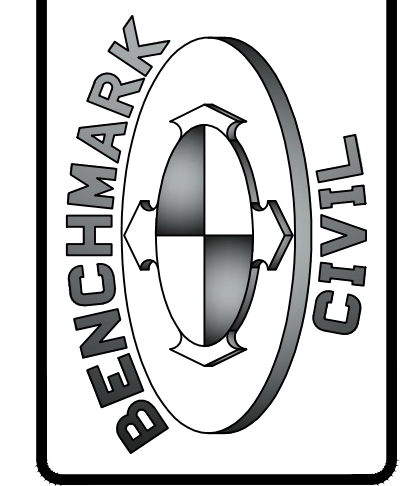


STANMORE DR PROFILE

NO.	1	DESCRIPTION	REVISED PER COUNTY WATER & IRRIGATION COMMENTS
DATE	03/20/21	DESIGNED BY	JHO
		CHECKED BY	AGA
		DRAWN BY	SURVEY
		DATE	03/12/2021
		TITLE	20042 CPP-05
		SCALE	AS SHOWN



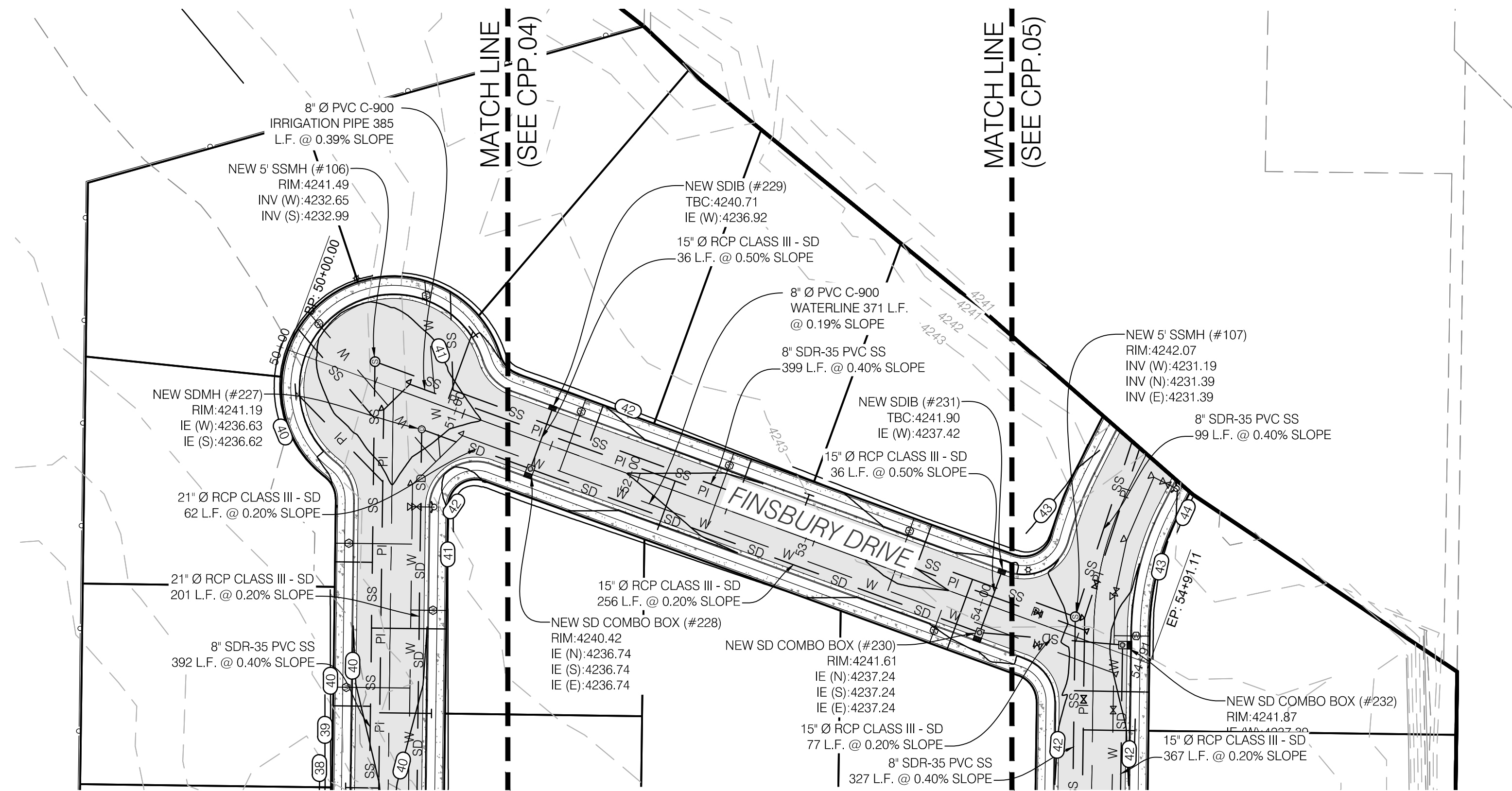
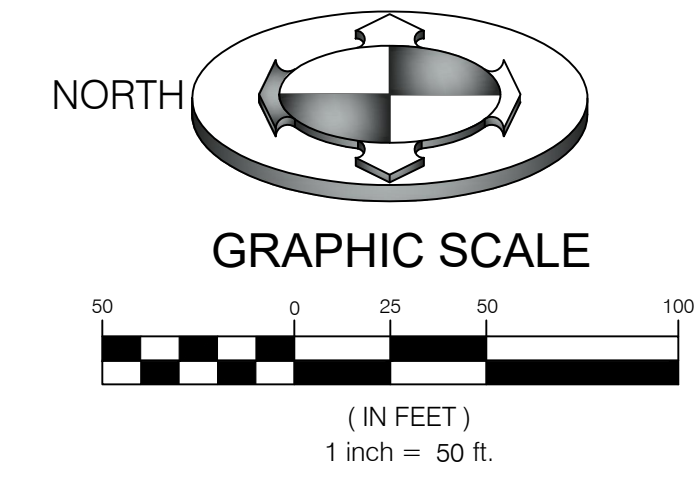
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**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

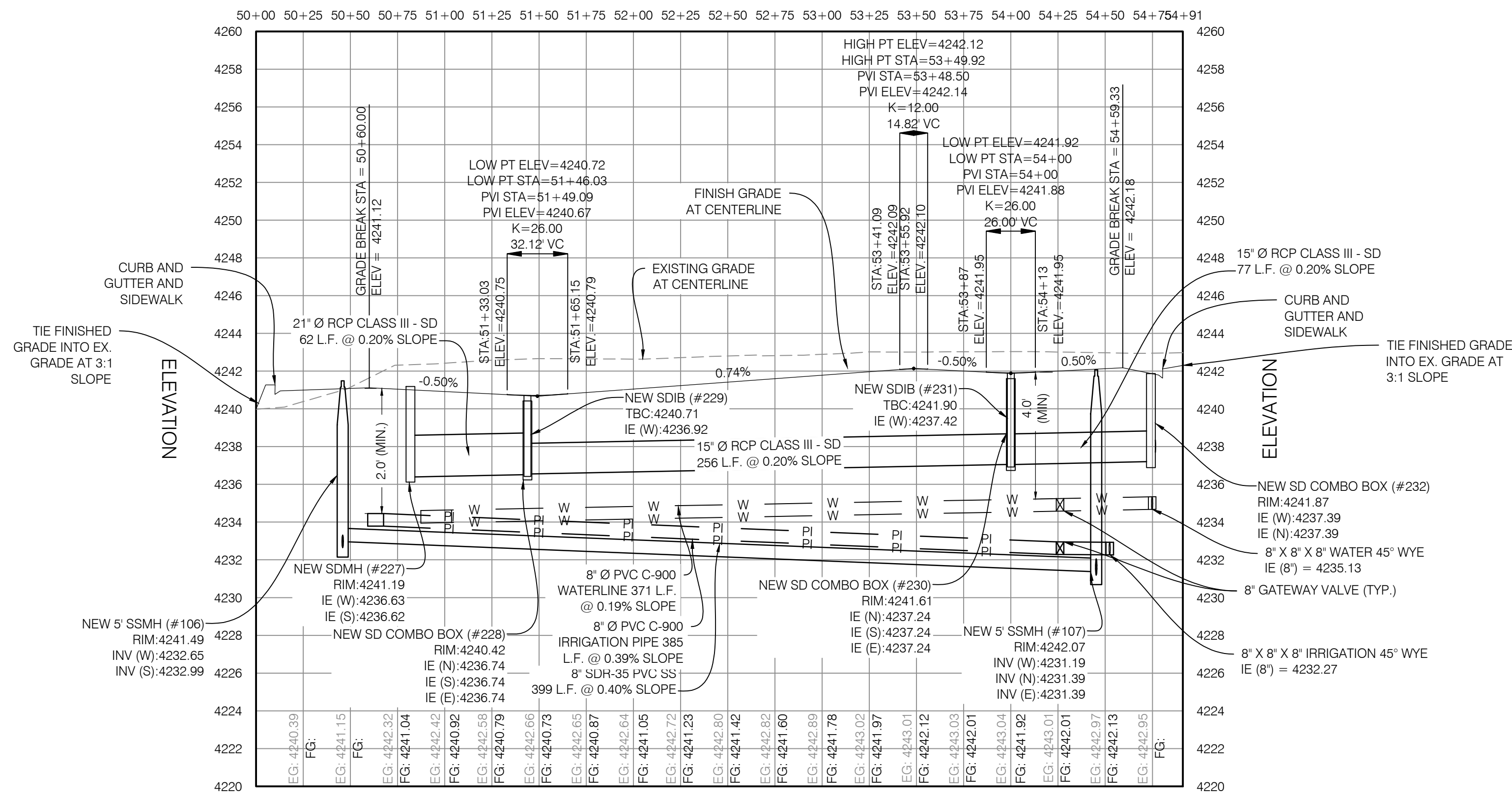
PROJECT NO. 2006142  
**ROADWAY PLAN & PROFILE**  
 CPP.05  
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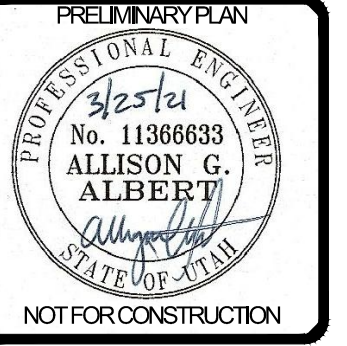
FINSBURY DRIVE PLAN

STATION



FINSBURY DR PROFILE

PROJECT NO.	2006142
DATE	03/20/21
NO.	1
DESCRIPTION	REVISED PER COUNTY WATER & IRRIGATION COMMENTS
PROJECT	ROADWAY PLAN & PROFILE
SCALE	SCALE MEASURES IN CH ON FULL SIZE SHEETS ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS



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**BENCHMARK CIVIL**

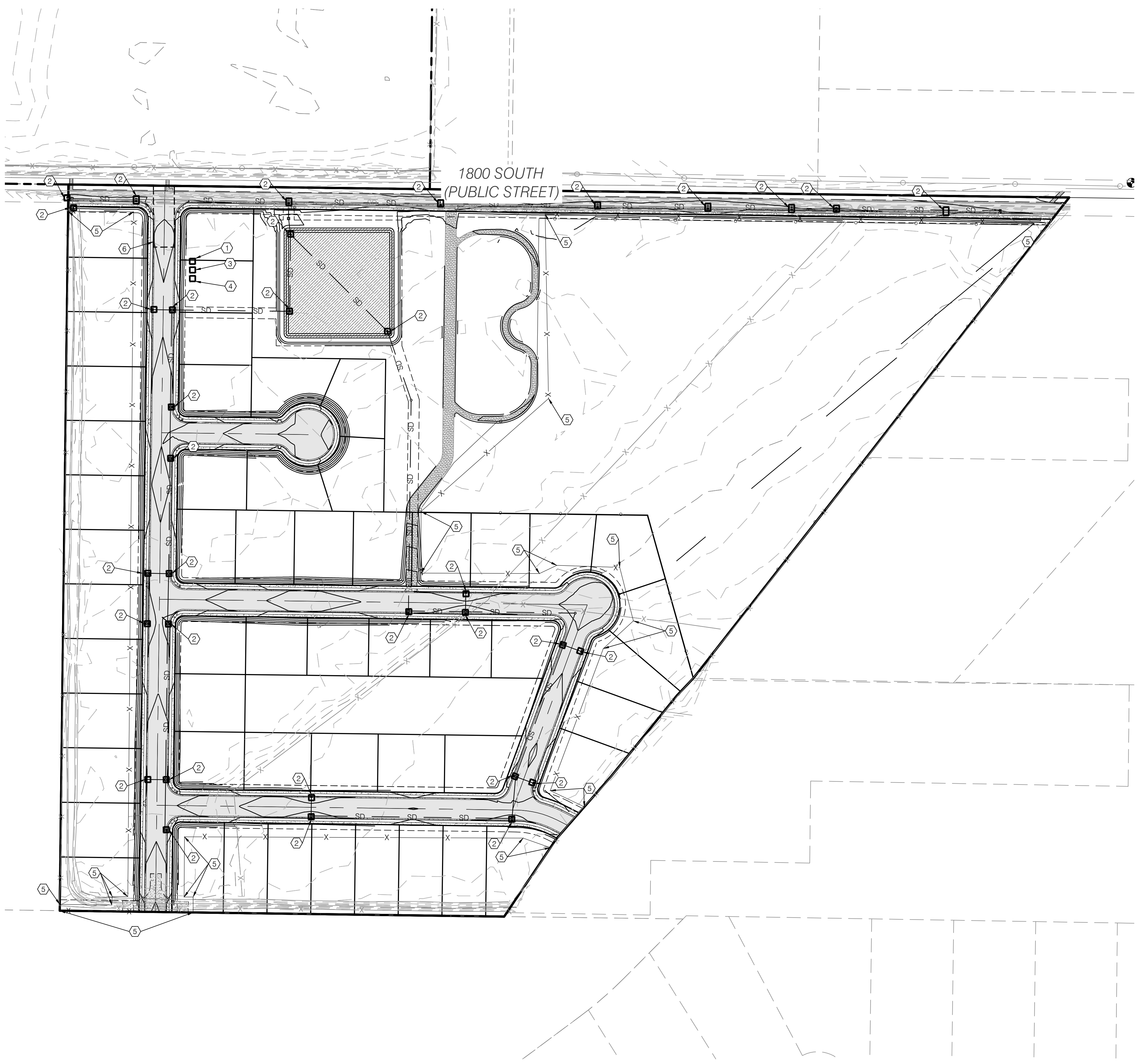
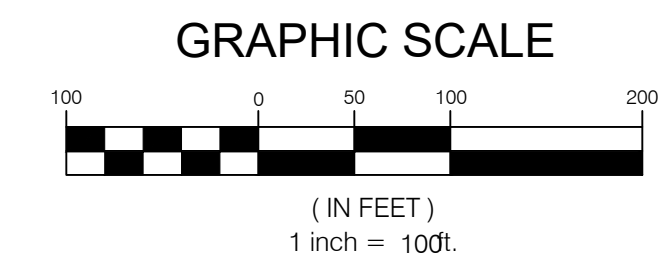
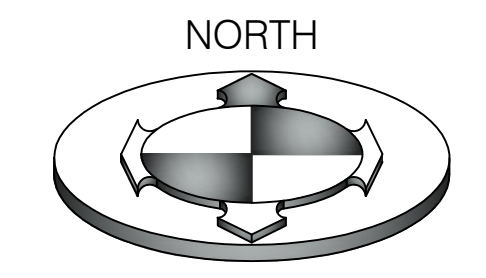
**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

PROJECT NO. 2006142

**ROADWAY PLAN & PROFILE**

CPP.06  
14 OF 21





SWPPP KEY NOTES REFERENCE		
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS.		
NO	DESCRIPTION	DETAIL
①	CONCRETE WASTE MANAGEMENT	1/CEP.02
②	INLET PROTECTION WATTLE	2/CEP.02
③	MATERIALS STORAGE	3/CEP.02
④	PORTABLE TOILETS	4/CEP.02
⑤	SILT FENCE	6/CEP.02
⑥	TEMPORARY CONSTRUCTION ENTRANCE	7/CEP.02

NOTE: CONTRACTOR SHALL INSTALL EROSION CONTROLS (SILT FENCES, STRAW BALES, ETC) AS REQUIRED BY REGULATORY AGENCIES. SAID CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH AGENCY STANDARDS AND FOLLOWING BEST MANAGEMENT PRACTICES FOR ACTUAL PLACEMENT ON SITE. STRAW BALES SHOWN ON THESE DRAWINGS ARE INTENDED AS A MINIMUM REQUIREMENT. ADDITIONAL CONTROLS REQUESTED BY AGENCY INSPECTORS SHALL BE REQUIRED. DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY.

NO	DATE	DESCRIPTION
1	02/2021	REVISED PER COUNTY, WATER & IRRIGATION COMMENTS

DRAWN BY: JHO  
 CHECKED BY: AGA  
 PREPARED BY: SURVEY  
 DATE: 03/12/2021  
 DRAWING FILE: 2006142\_CEP.01

**PRELIMINARY PLAN**  
  
**NOT FOR CONSTRUCTION**

**BENCHMARK ENGINEERING & SURVEYING & LAND SURVEYING**  
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**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

PROJECT NO. 2006142  
**EROSION CONTROL PLAN**  
 CEP.01  
 15 OF 21



### BMP: Concrete Waste Management

**DESCRIPTION:**  
Prevent or reduce the discharge of pollutants to storm water from concrete waste by conducting washout off-site, performing on-site washout in a designated area, and training employees and subcontractors.

**APPLICATIONS:**  
This technique is applicable to all types of sites.

**INSTALLATION/APPLICATION CRITERIA:**

- Store dry and wet materials under cover, away from drainage areas.
- Avoid mixing excess amounts of fresh concrete or cement on-site.
- Perform washout of concrete trucks off-site or in designated areas only.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not allow excess concrete to be dumped on-site, except in designated areas.
- When washing concrete to remove fine particles and expose the aggregate, avoid creating runoff by draining the water within a bermed or level area. (See Earth Berm Barrier information sheet.)
- Train employees and subcontractors in proper concrete waste management.

**LIMITATIONS:**

- Off-site washout of concrete wastes may not always be possible.

**MAINTENANCE:**

- Inspect subcontractors to ensure that concrete wastes are being properly managed.
- If using a temporary pit, dispose hardened concrete on a regular basis.

### BMP: Inlet Protection – Wattle

IP-W CONSTRUCTION

**DESCRIPTION:**  
Sediment barrier erected around storm drain inlet.

**APPLICATION:**  
Construct at storm drainage inlets located down-gradient of areas to be disturbed by construction.

**INSTALLATION/APPLICATION CRITERIA:**

- ◆ Provide up-gradient sediment controls, such as silt fence during construction of inlet
- ◆ When construction of curb and gutter and roadways is complete, install gravel filled wattles around perimeter of inlet

**LIMITATIONS:**

- ◆ Recommended maximum contributing drainage area of one acre
- ◆ Requires shallow slopes adjacent to inlet

**MAINTENANCE:**

- ◆ Inspect inlet protection following storm event and at a minimum of once every 14 days.
- ◆ Remove accumulated sediment when it reaches 4 inches in depth.
- ◆ Look for bypassing or undercutting and repair or realign as needed.

### BMP: Materials Storage

**DESCRIPTION:**  
Controlled storage of on-site materials.

**APPLICATION:**

- Storage of hazardous, toxic, and all chemical substances.
- Any construction site with outside storage of materials.

**INSTALLATION/APPLICATION CRITERIA:**

- Designate a secured area with limited access as the storage location. Ensure no waterways or drainage paths are nearby.
- Construct compacted earthen berm (See Earth Berm Barrier Information Sheet), or similar perimeter containment around storage location for impoundment in the case of spills.
- Ensure all on-site personnel utilize designated storage area. Do not store excessive amounts of material that will not be utilized on site.
- For active use of materials away from the storage area ensure materials are not set directly on the ground and are covered when not in use. Protect storm drainage during use.

**LIMITATIONS:**

- Does not prevent contamination due to mishandling of products.
- Spill Prevention and Response Plan still required.
- Only effective if materials are actively stored in controlled location.

**MAINTENANCE:**

- Inspect daily and repair any damage to perimeter impoundment or security fencing.
- Check materials are being correctly stored (i.e. standing upright, in labeled containers, lightly capped) and that no materials are being stored away from the designated location.

### BMP: Portable Toilets

**DESCRIPTION:**  
Temporary on-site sanitary facilities for construction personnel.

**APPLICATION:**  
All sites with no permanent sanitary facilities or where permanent facility is too far from activities.

**INSTALLATION/APPLICATION CRITERIA:**

- Locate portable toilets in convenient locations throughout the site.
- Prepare level, gravel surface and provide clear access to the toilets for servicing and for on-site personnel.
- Construct earth berm perimeter (See Earth Berm Barrier Information Sheet) control for spill/protection leak.

**LIMITATIONS:**  
No limitations.

**MAINTENANCE:**

- Portable toilets should be maintained in good working order by licensed service with daily observation for leak detection.
- Regular waste collection should be arranged with licensed service.
- All waste should be deposited in sanitary sewer system for treatment with appropriate agency approval.

### BMP: Spill Clean-Up

**DESCRIPTION:**  
Practices to clean-up leakage/spillage of on-site materials that may be harmful to receiving waters.

**APPLICATION:**  
All sites

**GENERAL:**

- Store controlled materials within a storage area.
- Educate personnel on prevention and clean-up techniques.
- Designate an Emergency Coordinator responsible for employing preventative practices and for providing spill response.
- Maintain a supply of clean-up equipment on-site and post a list of local response agencies with phone numbers.

**METHODS:**

- Clean-up spills/leaks immediately and remediate cause.
- Use as little water as possible. NEVER HOSE DOWN OR BURY SPILL CONTAMINATED MATERIAL.
- Use rags or absorbent material for clean-up. Excavate contaminated soils.
- Dispose of clean-up material and soil as hazardous waste.
- Document all spills with date, location, substance, volume, actions taken and other pertinent data.
- Contact local Fire Department and State Division of Environmental Response and Remediation (Phone #536-4100) for any spill of reportable quantity.

SCALE MEASURES: HITCH ON FULL SIZE SHEETS  
ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS

NO. 1  
DATE: 10/20/21  
CHECKED BY: AGA  
DESIGNED BY: JHO  
DATE: 03/12/2021  
SCALE: 200% (SITE OPTION)

PROFESSIONAL ENGINEER  
No. 11366833  
ALLISON G. ALBERT  
STATE OF UTAH

NOT FOR CONSTRUCTION

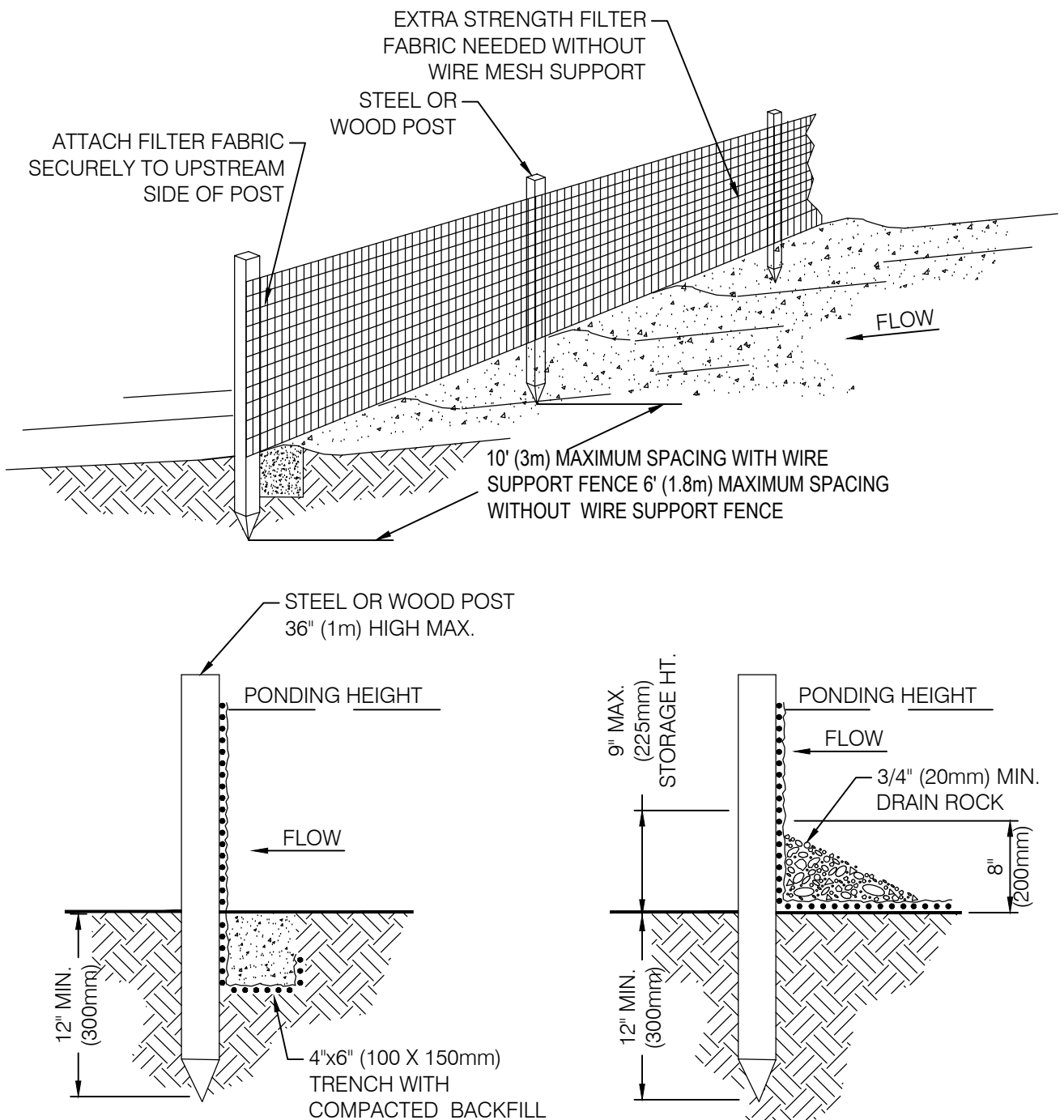
CONCRETE WASTE MANAGEMENT ①  
SCALE: NTS

INLET PROTECTION WATTLE ②  
SCALE: NTS

MATERIALS STORAGE ③  
SCALE: NTS

PORTABLE TOILETS ④  
SCALE: NTS

SPILL CLEAN UP ⑤  
SCALE: NTS

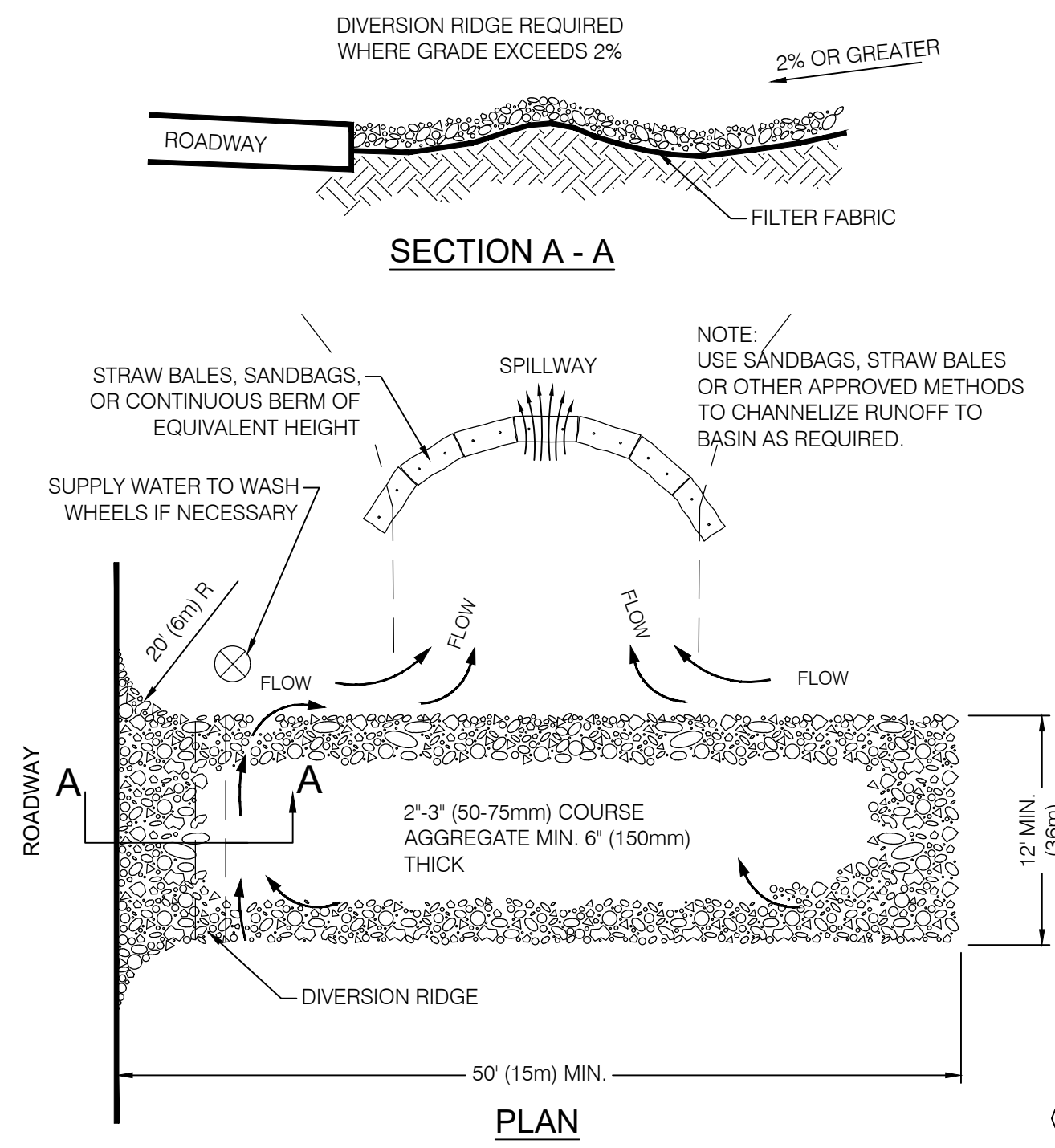


**NOTES:**

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

REF. FROM 1994 JOHN McCULLAH

SILT FENCE ⑥  
SCALE: NTS



**NOTES:**

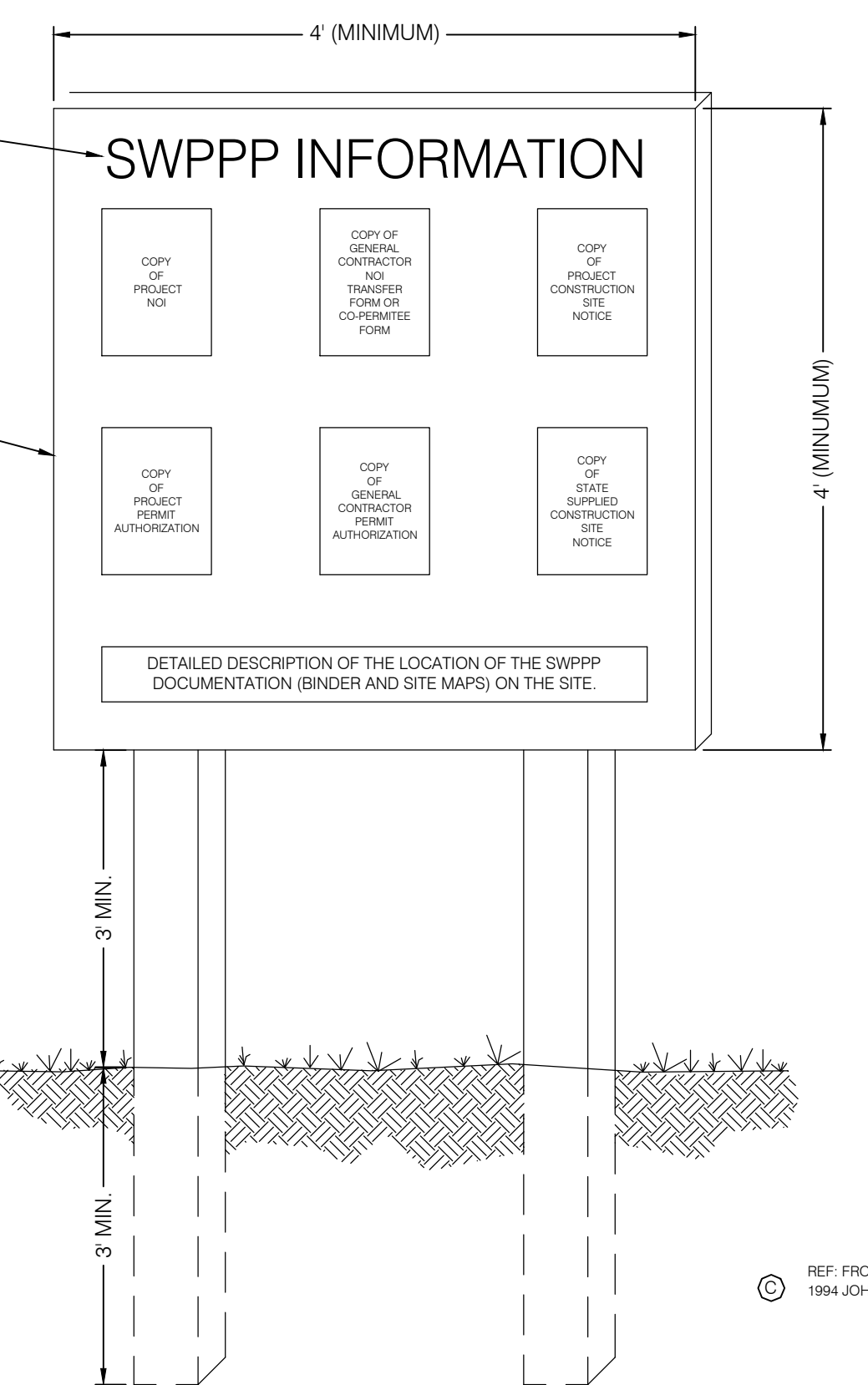
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

REF. FROM 1994 JOHN McCULLAH

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT ⑦  
SCALE: NTS

"SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.

SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.)



**NOTES:**

- 1) THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
- 2) ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-TO-TERMINATION (NOT) IS FILED FOR THE PERMIT.
- 3) CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
- 4) SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
- 5) CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY IF THE SWPPP INFORMATION SIGN.

REF. FROM 1994 JOHN McCULLAH

SWPPP INFORMATION SIGN ⑧  
SCALE: NTS

BENCHMARK ENGINEERING & LAND SURVEYING

9188 SOUTH STATE STREET SUITE #100 SANDY, UTAH 84070 (801) 542-7192 www.benchmarkcivil.com

BENCHMARK CIVIL

WINSTON PARK

3701 W 1800 S

WEBER COUNTY, UTAH

PROJECT NO. 2006142

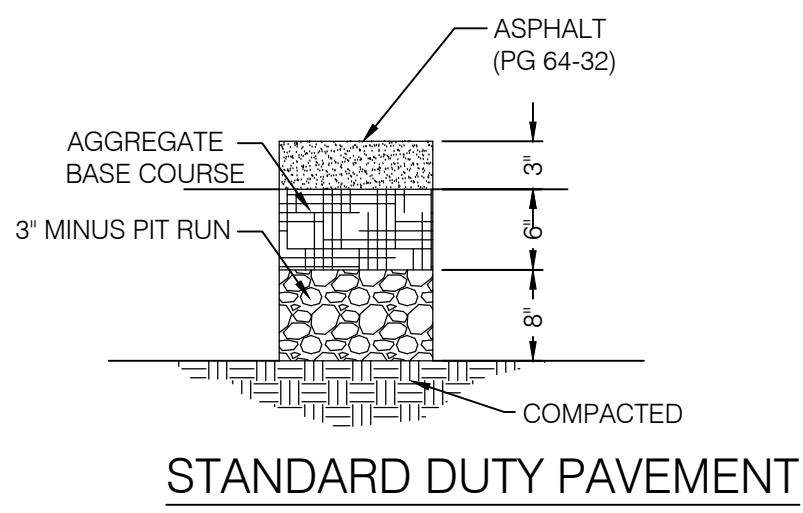
EROSION CONTROL DETAILS

CEP.02 16 OF 21





ALTERNATE: STANDARD  
 CONCRETE GRAVEL BASE 5"  
 GRAVEL BASE 8"



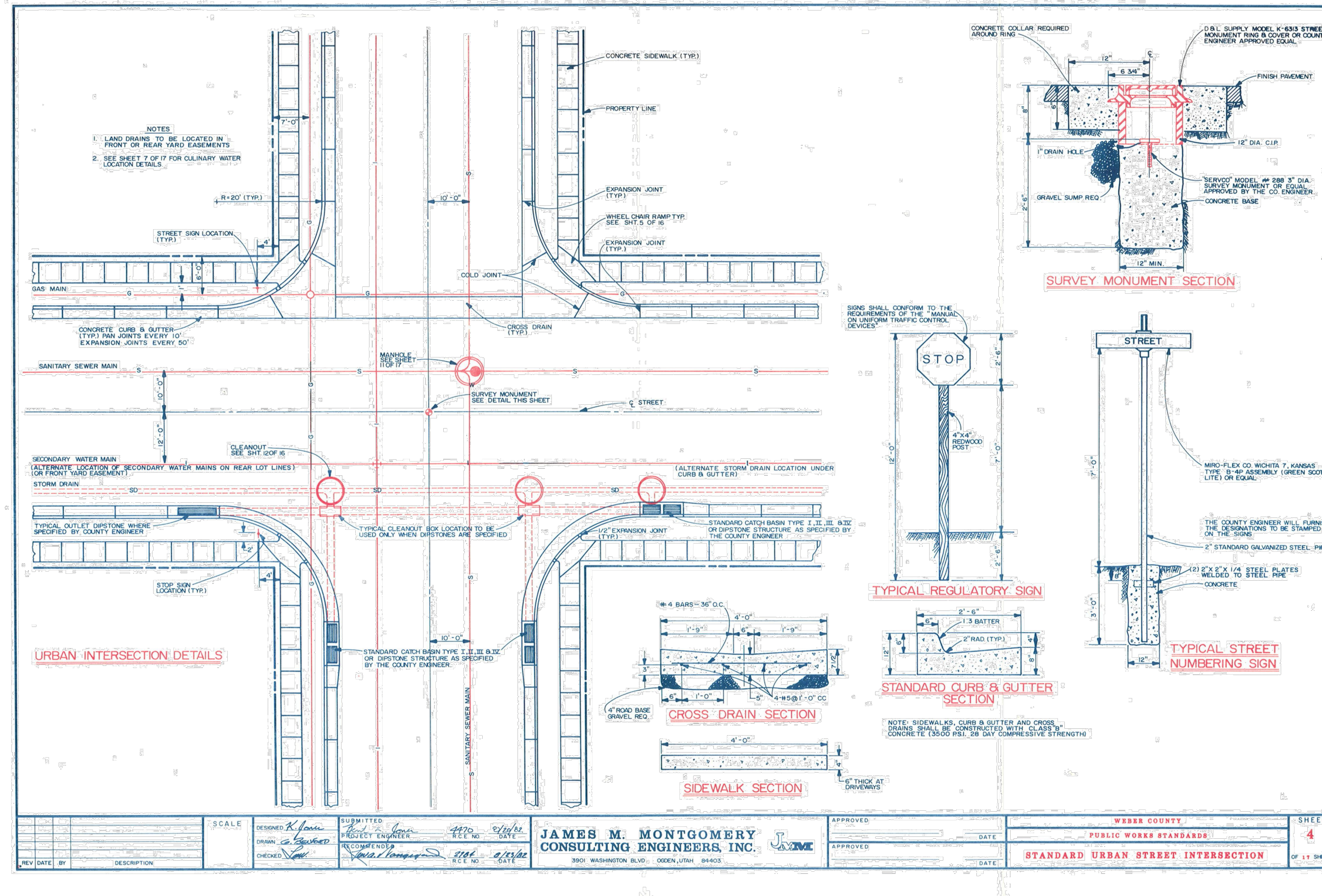
**STANDARD DUTY PAVEMENT**

NOTE:  
 1. FOR REINFORCEMENT DESIGN OF PCC PAVEMENT SECTIONS SEE STRUCTURAL ENGINEER  
 2. FOR DOWEL DESIGN OF PCC PAVEMENT SECTIONS SEE GEOTECHNICAL ENGINEER  
 3. REFER TO GEOTECHNICAL REPORT #1160708 PREPARED BY AGEC ON OCTOBER 12, 2016 FOR PAVEMENT DESIGN. DEFER TO GEOTECHNICAL REPORT OR COUNTY STANDARDS, WHICHEVER IS MORE CONSERVATIVE.  
 4. COMPACTION TESTING REQUIRED FOR BOTH ROAD BASE AND SUB BASE PER WEBER COUNTY STANDARDS.

**PAVEMENT SECTIONS**

SCALE: N.T.S.

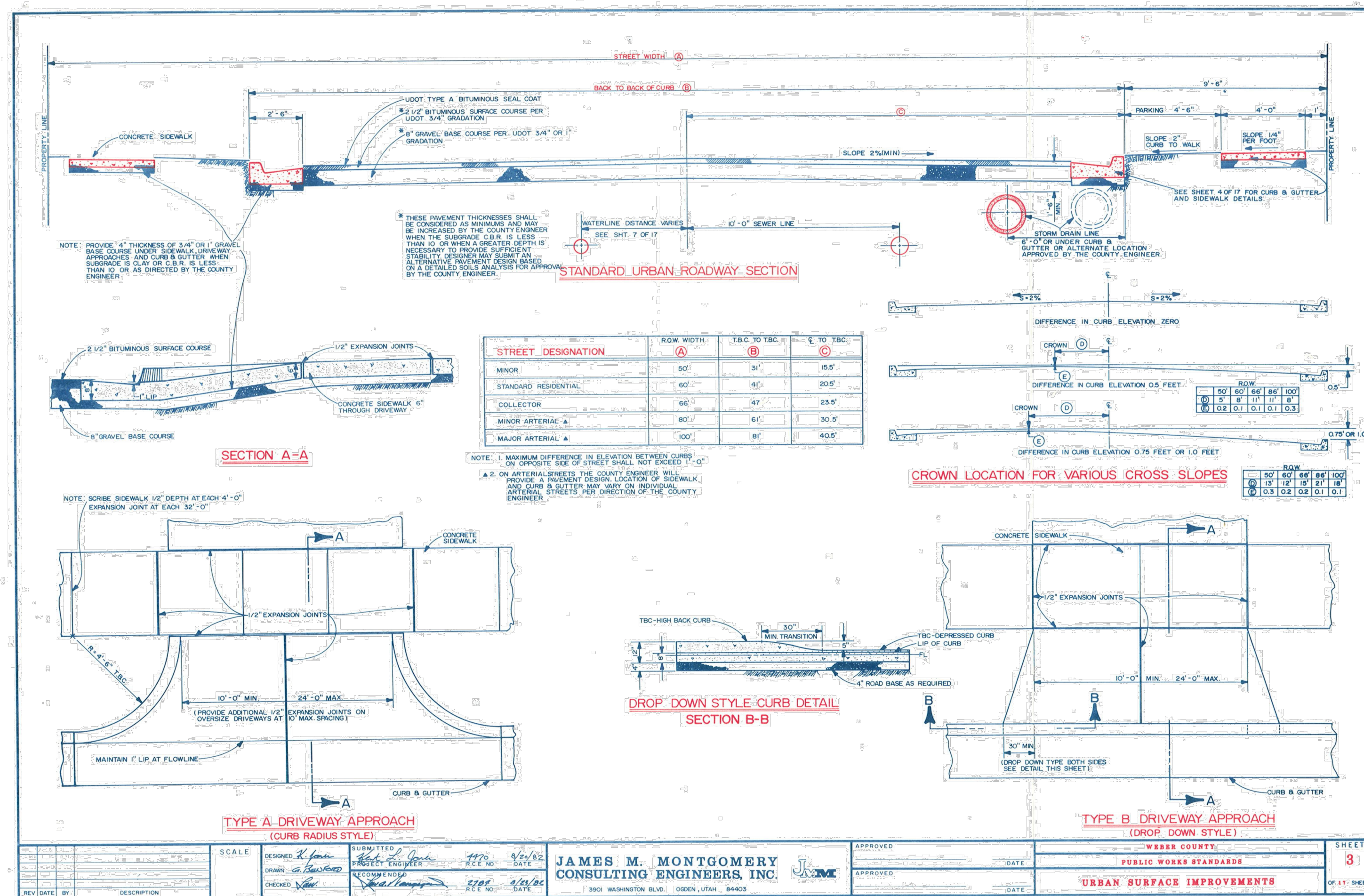
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**WEBER COUNTY INTERSECTION DETAILS**

SCALE: N.T.S.

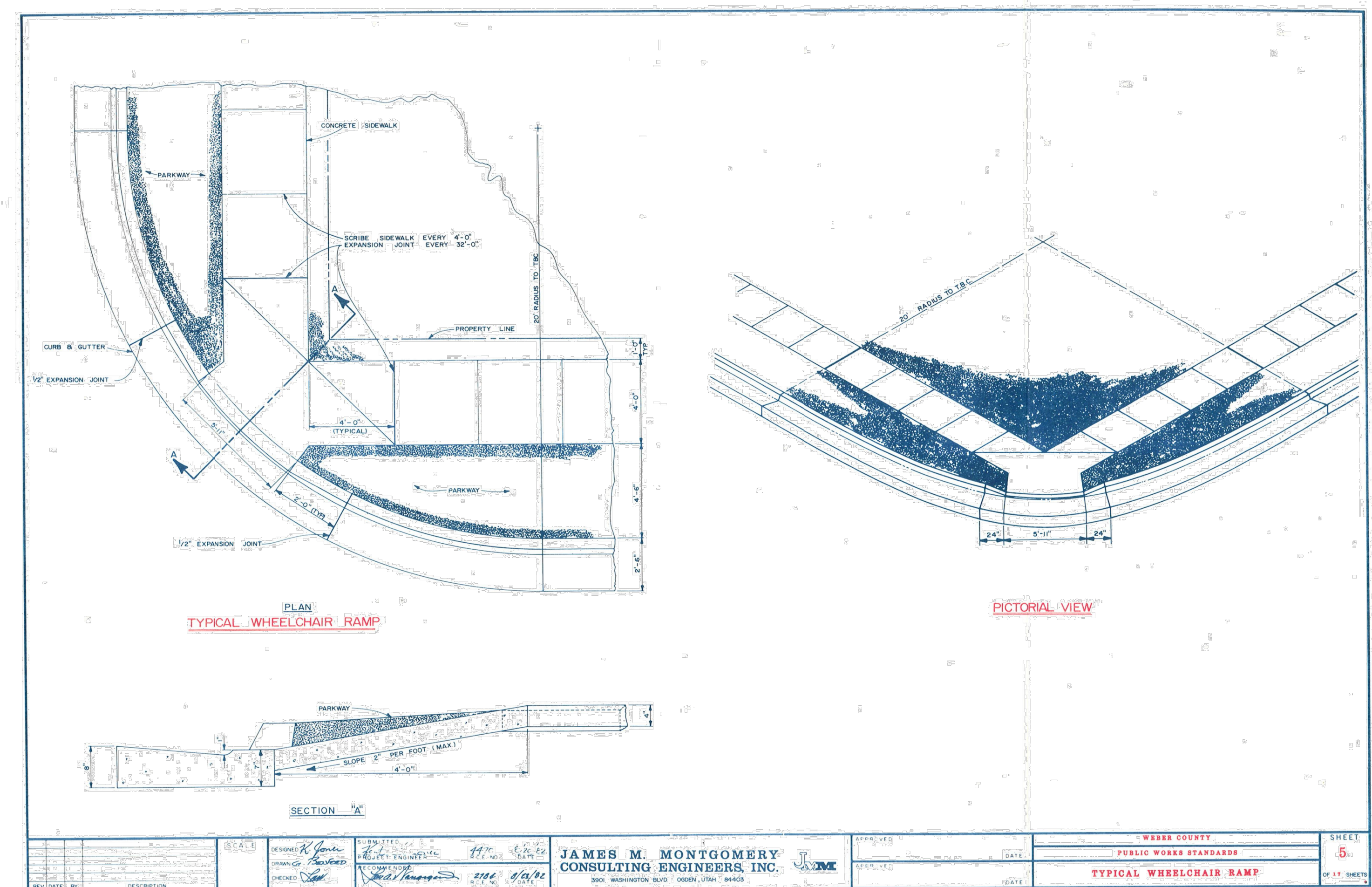
2



**WEBER COUNTY SURFACE IMPROVEMENTS DETAILS**

SCALE: N.T.S.

3



**WEBER COUNTY WHEELCHAIR RAMP DETAILS**

SCALE: N.T.S.

4

PROJECT NO.	2006142
DATE	03/20/21
REVISION	REVISED PER COUNTY WATER & IRRIGATION COMMENTS
NO.	1

DESIGNED BY: JHO  
 CHECKED BY: AGA  
 PROJECT: SURVEY  
 DATE: 03/12/2021  
 DRAWN BY: 200642 SITE OPTION 2

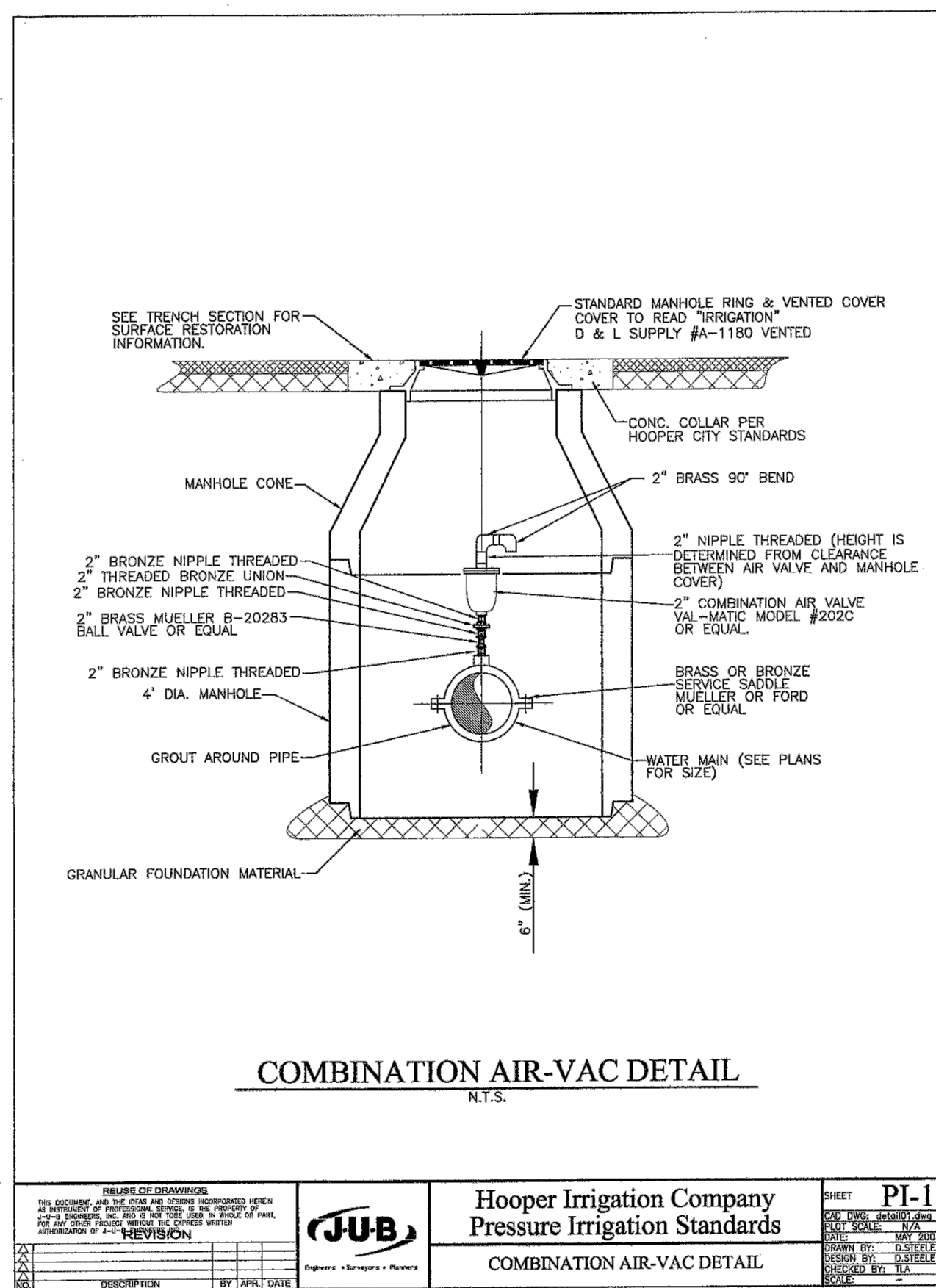
**BENCHMARK ENGINEERING & LAND SURVEYING**  
 9188 SOUTH STATE STREET SUITE #100  
 SANDY, UTAH 84070 (801) 542-7192  
 www.benchmarkcivil.com

**BENCHMARK CIVIL**

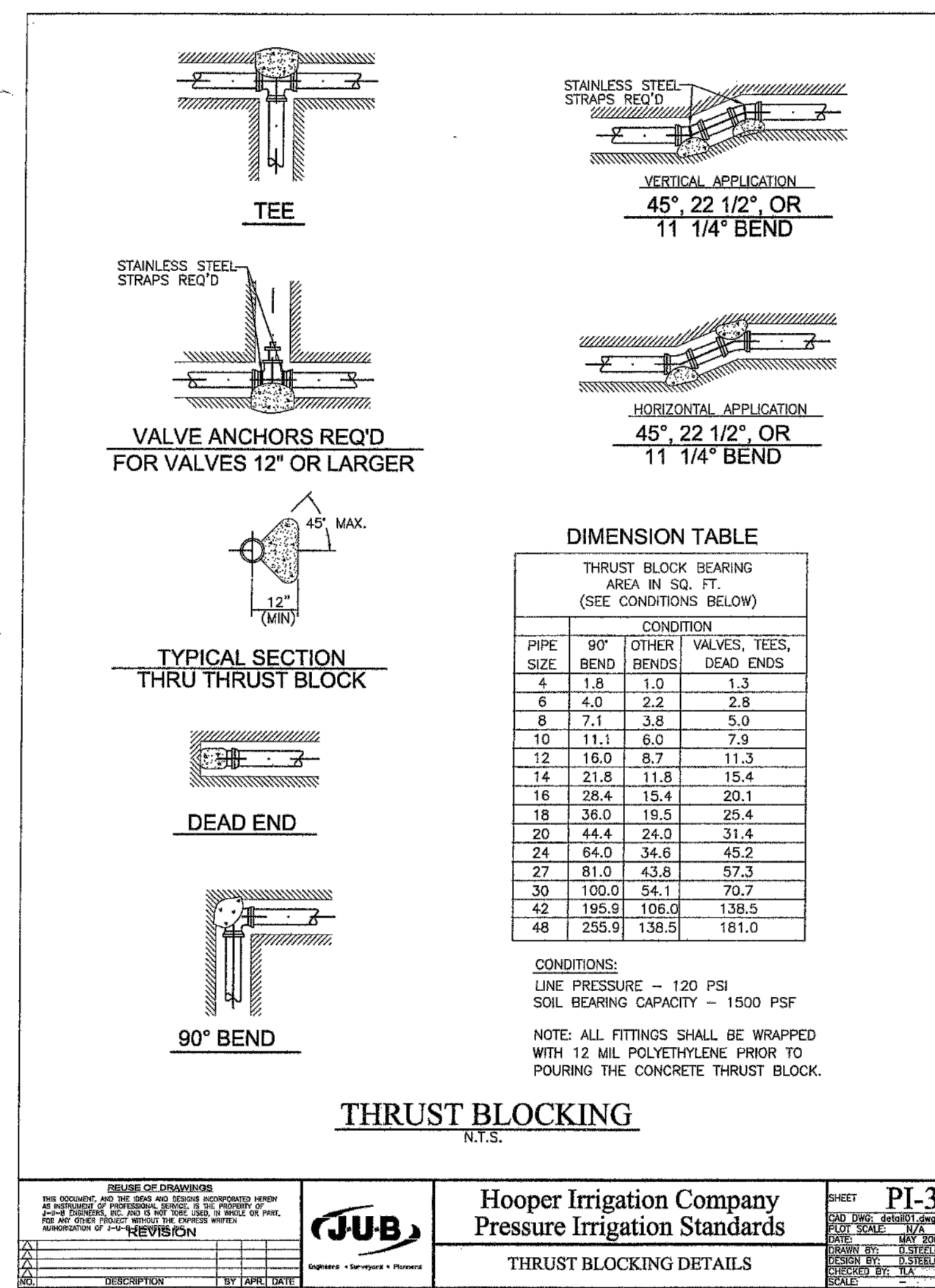
**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

PROJECT NO. 2006142

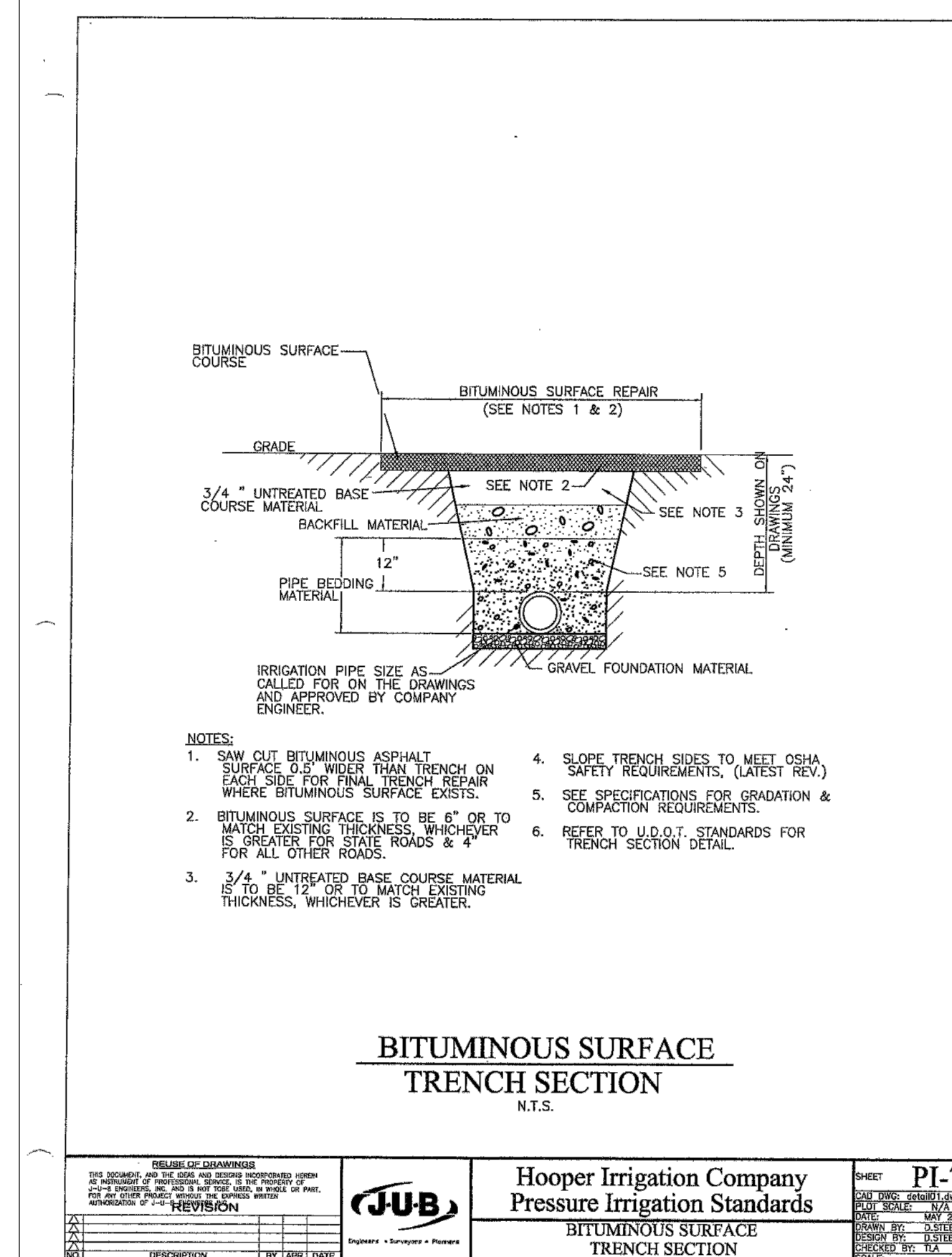
**DETAILS & NOTES SHEET**



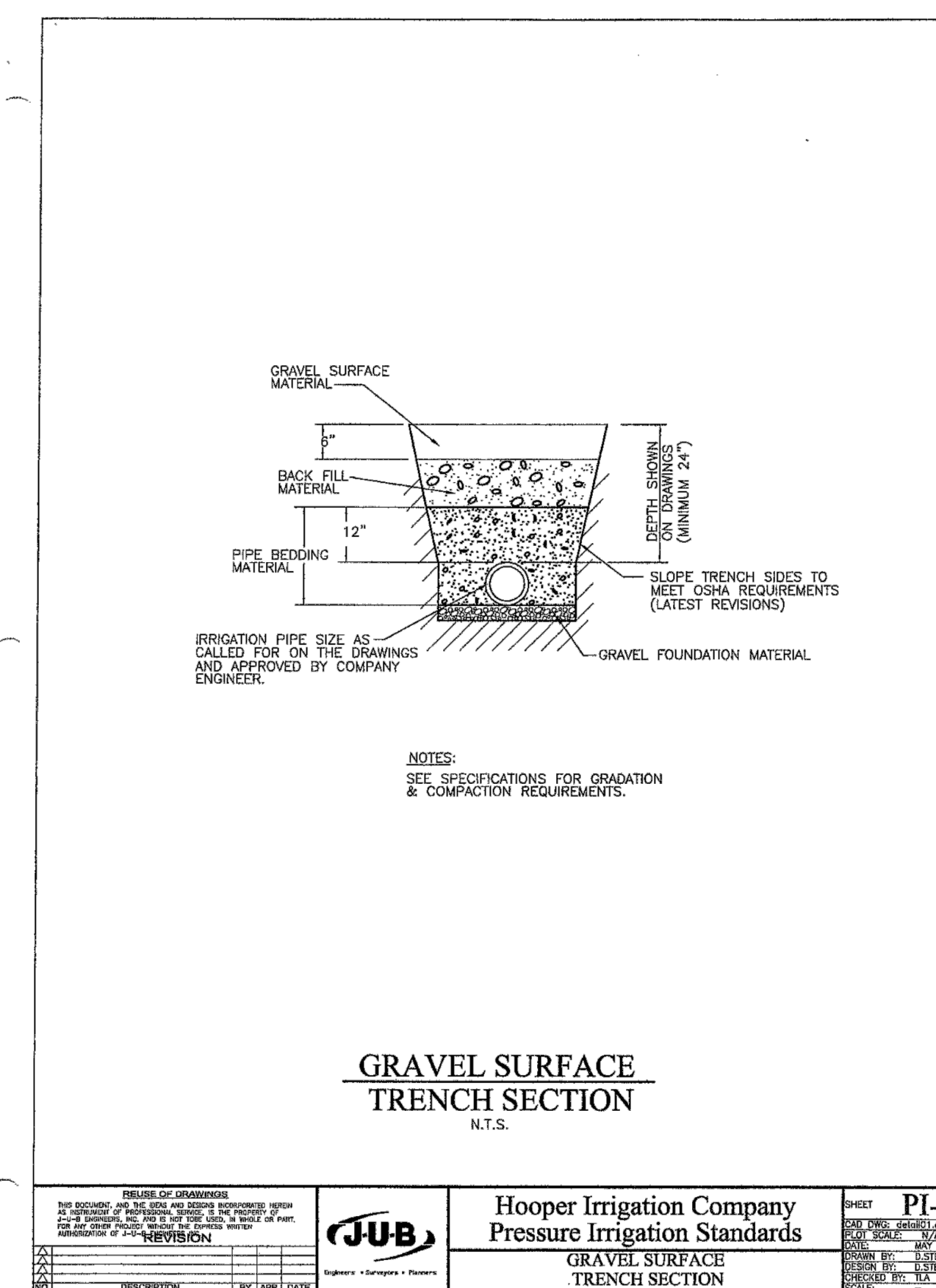
COMBINATION AIR-VAC DETAIL  
HOOPER IRRIGATION STANDARDS ①  
SCALE: N.T.S.



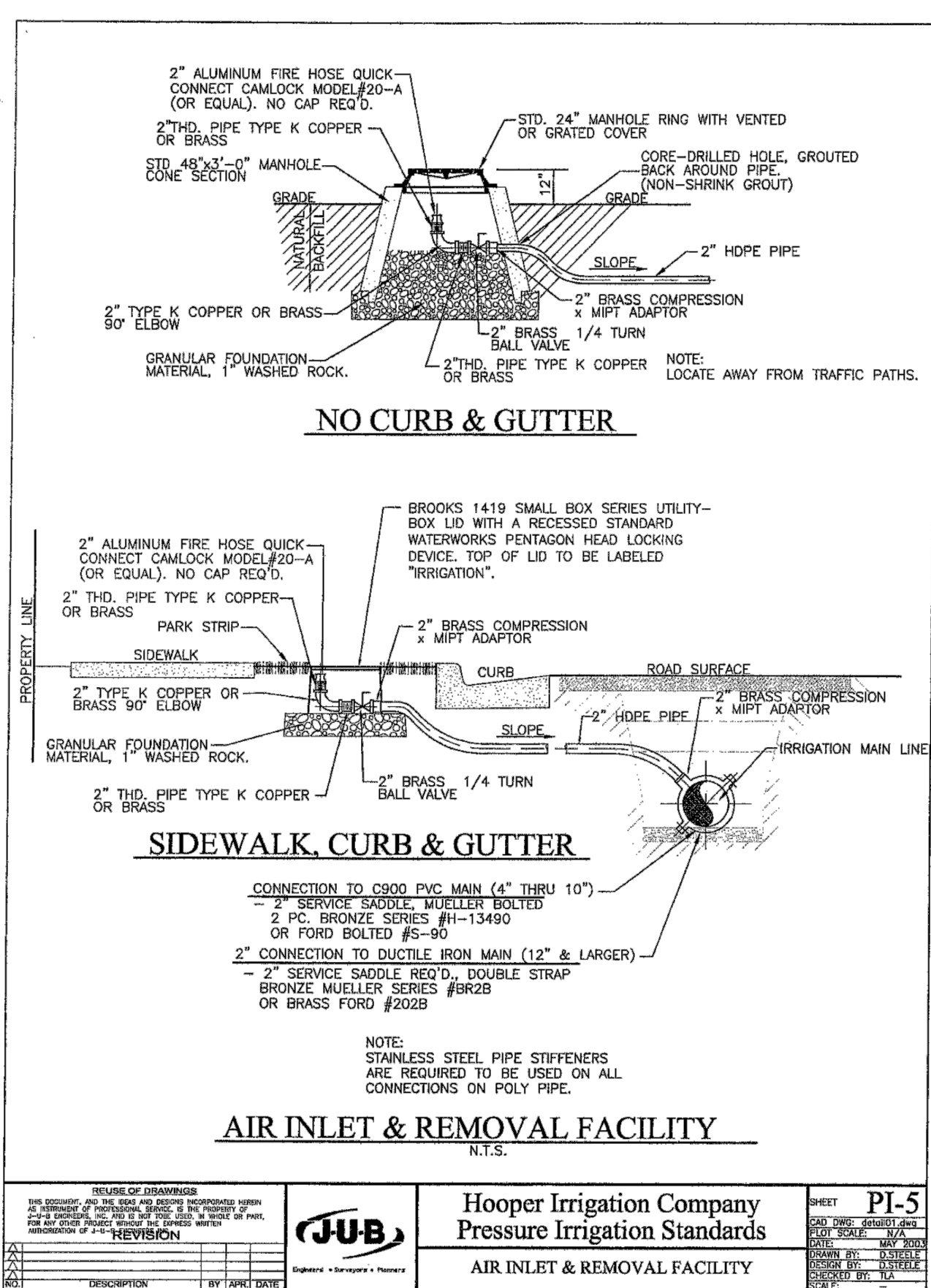
THRUST BLOCKING DETAILS  
HOOPER IRRIGATION STANDARDS ②  
SCALE: N.T.S.



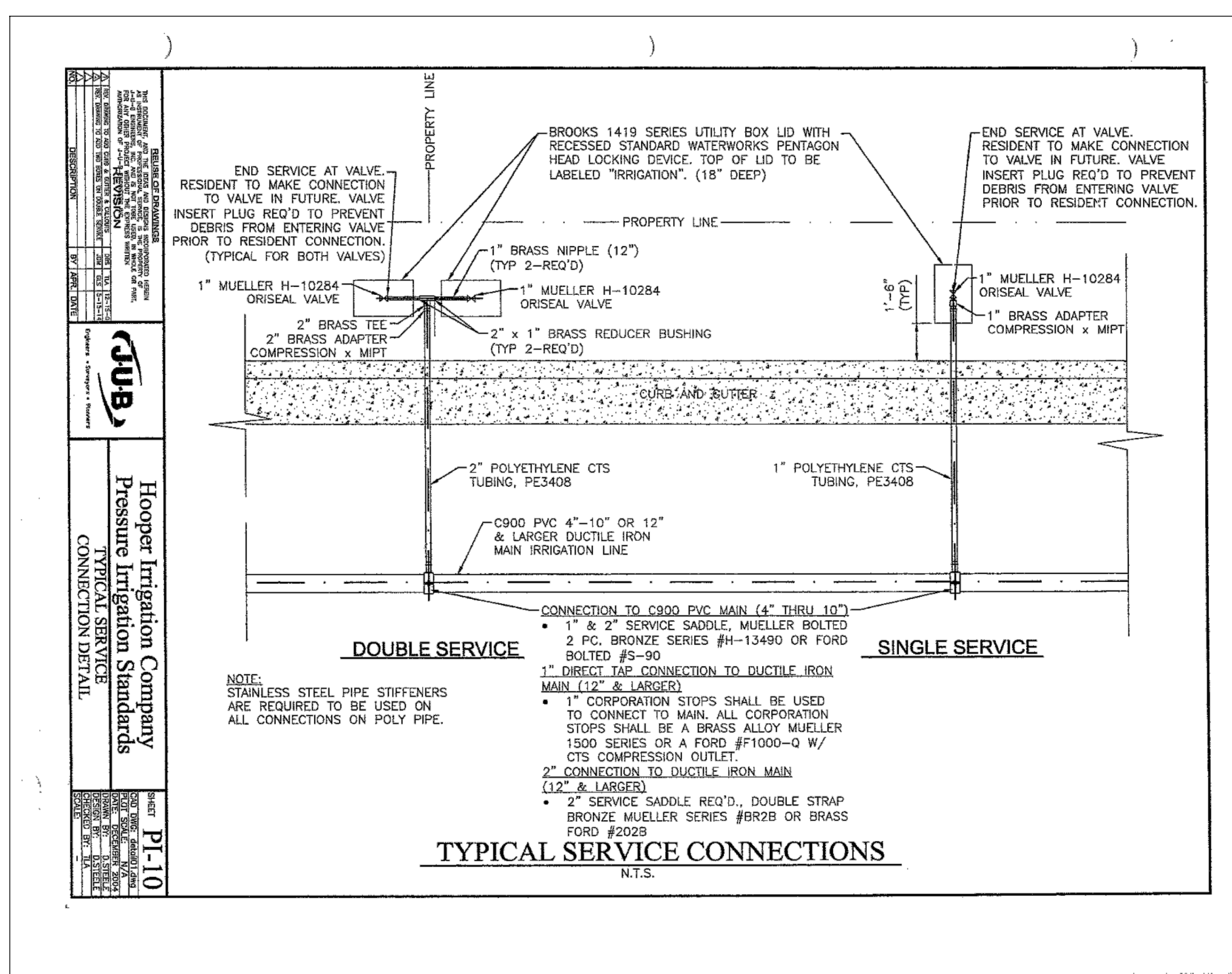
TRENCH SECTIONS  
HOOPER IRRIGATION STANDARDS ③  
SCALE: N.T.S.



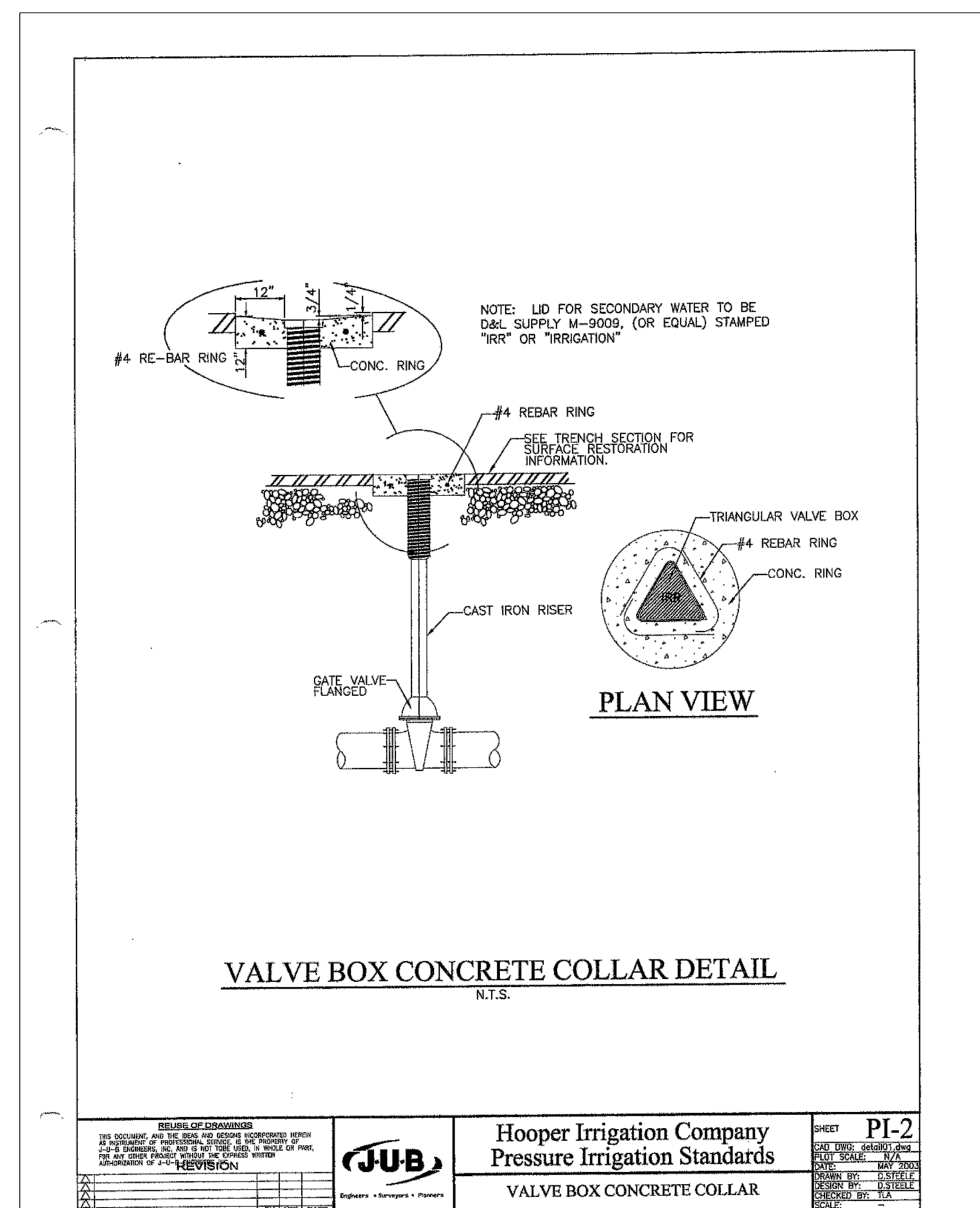
GRAVEL SURFACE TRENCH SECTION  
HOOPER IRRIGATION STANDARDS ④  
SCALE: N.T.S.



AIR INLET & REMOVAL FACILITY  
HOOPER IRRIGATION STANDARDS ④  
SCALE: N.T.S.



TYPICAL SERVICE CONNECTION DETAIL  
HOOPER IRRIGATION STANDARDS ⑤  
SCALE: N.T.S.



VALVE BOX CONCRETE COLLAR DETAIL  
HOOPER IRRIGATION STANDARDS ⑥  
SCALE: N.T.S.

PROJECT NO. 2006142

DATE: 03/21/21

REVISION PER COUNTY, WATER & IRRIGATION COMMENTS

NO. 1

DATE: 03/12/2021

BY: JHO

CHECKED BY: AGA

SCALE MEASURES 1/4" ON FULL SIZE SHEETS & ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS

SCALE: 1" = 12"

NOT FOR CONSTRUCTION

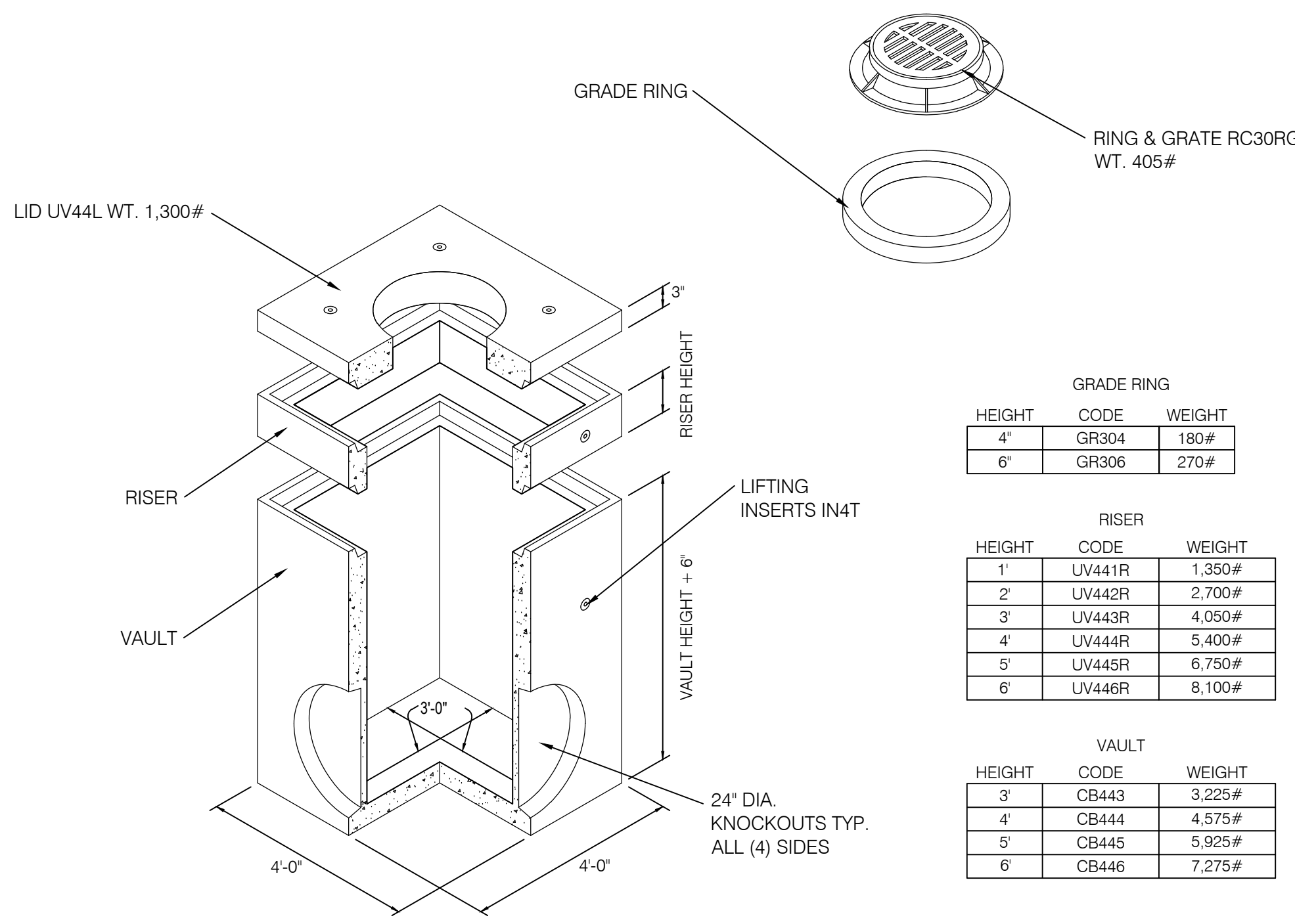
PROFESSIONAL ENGINEER  
No. 11366833  
ALLISON G. ALBERT  
STATE OF UTAH

BENCHMARK ENGINEERING & LAND SURVEYING  
9138 SOUTH STATE STREET SUITE #100  
SANDY, UTAH 84070 (801) 542-1192  
www.benchmarkcivil.com

WINSTON PARK  
3701 W 1800 S  
WEBER COUNTY, UTAH

DETAILS & NOTES SHEET

CDT.02  
18 OF 21



GRADE RING		
HEIGHT	CODE	WEIGHT
4"	GR304	180#
6"	GR306	270#

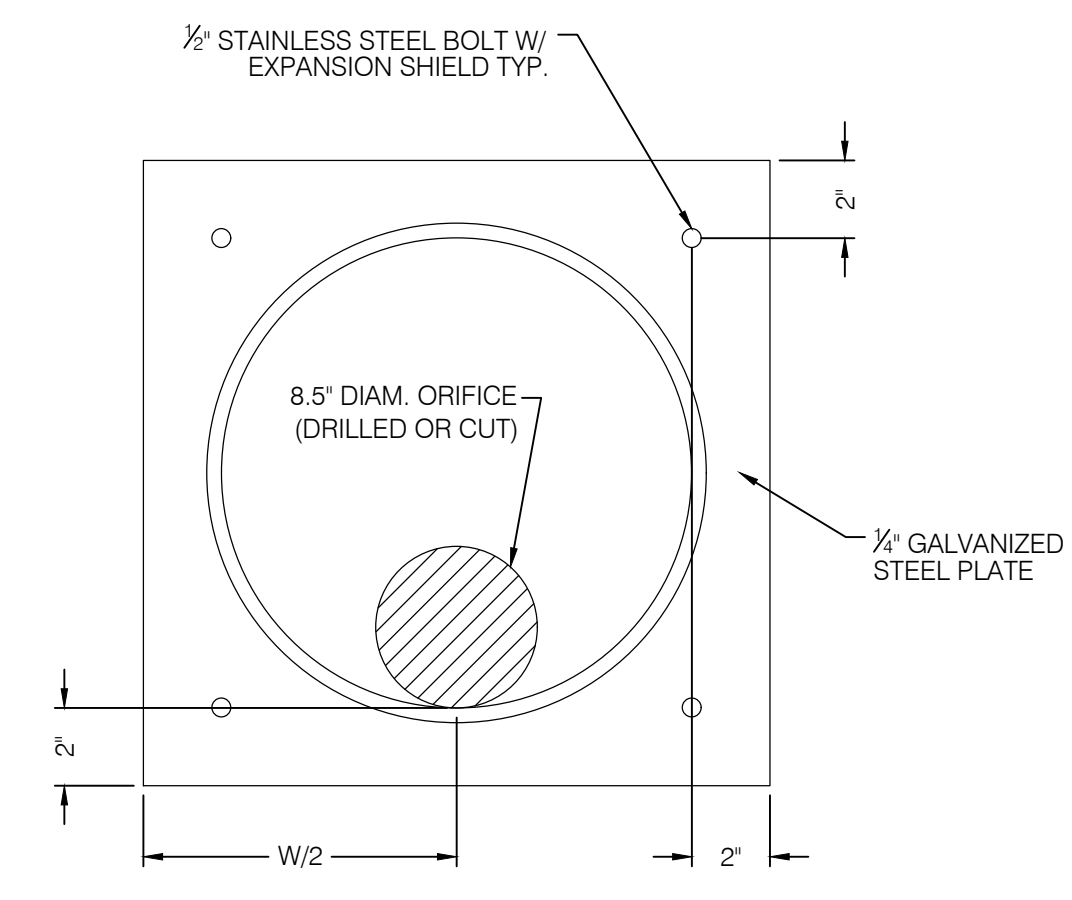
RISER		
HEIGHT	CODE	WEIGHT
1'	UV441R	1,350#
2'	UV442R	2,700#
3'	UV443R	4,050#
4'	UV444R	5,400#
5'	UV445R	6,750#
6'	UV446R	8,100#

VAULT		
HEIGHT	CODE	WEIGHT
3'	CB443	3,225#
4'	CB444	4,575#
5'	CB445	5,925#
6'	CB446	7,275#

**3'x3' CATCH BASIN**  
SCALE: NTS

- NOTES:  
 1. CATCH BASINS ARE DESIGNED TO MEET ASTM C858 WITH AASHTO HS-20 LOADING.  
 2. OPENINGS MAY BE SIZED AND LOCATED AS REQUIRED.  
 3. OPTIONAL GRATING OR COVER MATERIAL MAY BE CAST IN AS REQUIRED.  
 4. CHECK HARDWARE SECTION FOR OPTIONAL ACCESSORIES.



**8.5\"/>**

**8.5\"/>**

- STEEL: ASTM A 36 STEEL
- BOLTS: USE 1/2\"/>

# Series 37

- Installs between pipe flanges, eliminating valve body.
- Offers minimal face-to-face dimension—only the thickness of the flange.
- Features unique, maintenance-free, one-piece elastomer check sleeve design.
- Eliminates chatter—silent, non-slamming.
- Closes on entrapped solids.



**Materials of Construction**

- Valves are available in pure gum rubber, neoprene, Hypalon®, Buna-N, Viton® and EPDM.
- ANSI Class 125 Flanges, DIN PN6, PN10, PN16.
- Special coating available.

The pressure drop of the Series 37 is increased because of the smaller I.D. required to fit the check valve in the line.

Tideflex® Technologies' Series 37 Flanged In-Line Check Valve is a simple, reliable, cost-effective solution to backflow problems. Designed to be installed between twomating flanges, the Series 37 eliminates the need for a valve body.

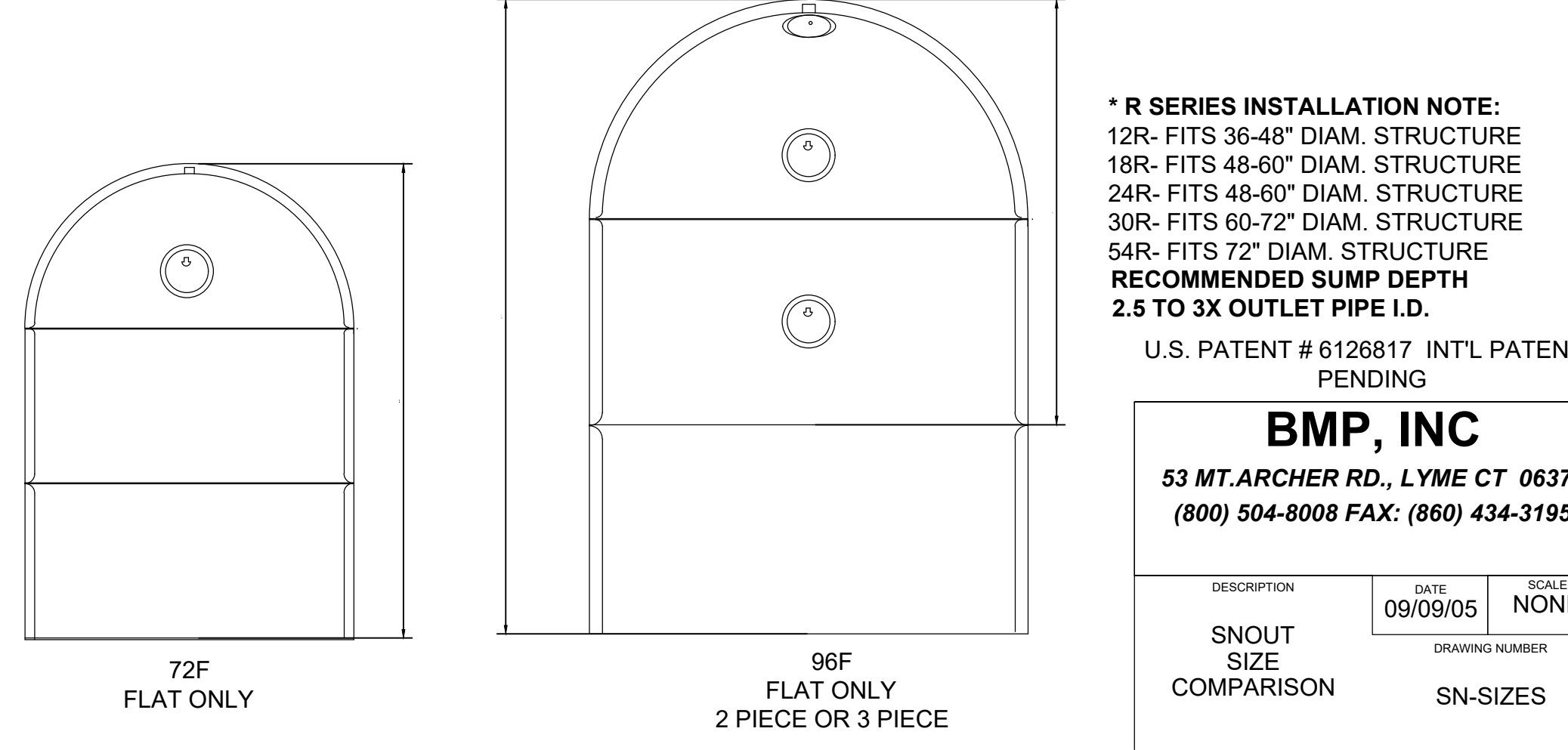
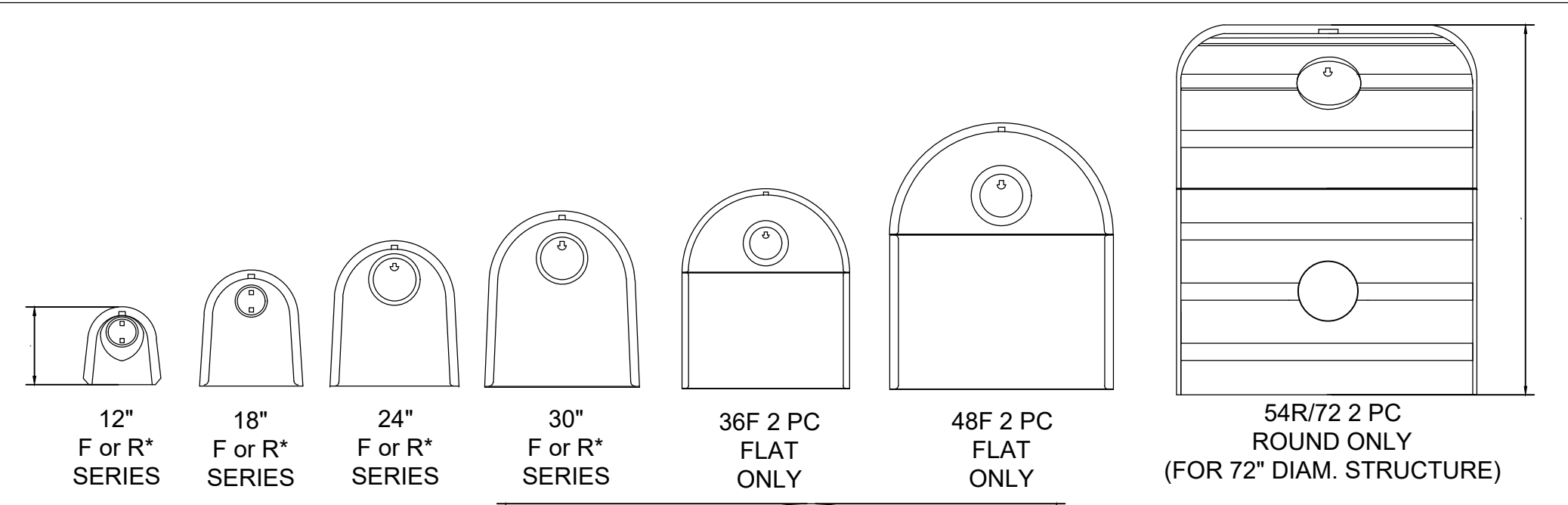
With only one moving part, the maintenance-free rubber check sleeve, the Series 37 In-Line Check Valve is simple in design. Sliding, rotating, swinging and spring parts are eliminated. There are no seats to corrode or packing to maintain. In addition, the Series 37 is a passive design, requiring no external source of air or electricity to operate. The result is reduced operating costs.

The Series 37 In-Line Check Valve can be ordered in a variety of elastomers. Flanges conform to ANSI B16.1 Class 125 specifications. Special custom designs or metric flanged models are also available. When ordering, specify line pressure, backpressure and whether an SST is required.

Nominal Size* (Pipe I.D.)	Length L	Height of Bolt H	Flange Thickness D	Max. Backpressure (psi)
2	5	1 7/8	3/8	150
3	5 1/2	2 7/8	3/8	100
4	7	3 7/8	3/8	75
6	11	5 7/8	3/8	75
8	12 1/2	7 7/8	1/2	60
10	15 1/2	9 7/8	1/2	45
12	18 1/2	11 7/8	1/2	35
14	22	13 3/4	5/8	25
16	23	15 3/4	3/4	20
18	24	17 3/4	1	15
20	32	19 3/4	1	10
24	37	23 3/4	1	10
30	41	29 3/4	1 1/2	8
36	47	35 3/4	1 1/2	8
42	49	41 1/2	1 3/4	5
48	52	47 1/2	1 3/4	5
54	57	53 1/2	2	5
60	64	59 1/2	2	5
72	73	71 1/2	2	5

\*Larger sizes available upon request.

**CHECK VALVE DETAIL**  
SCALE: N.T.S.

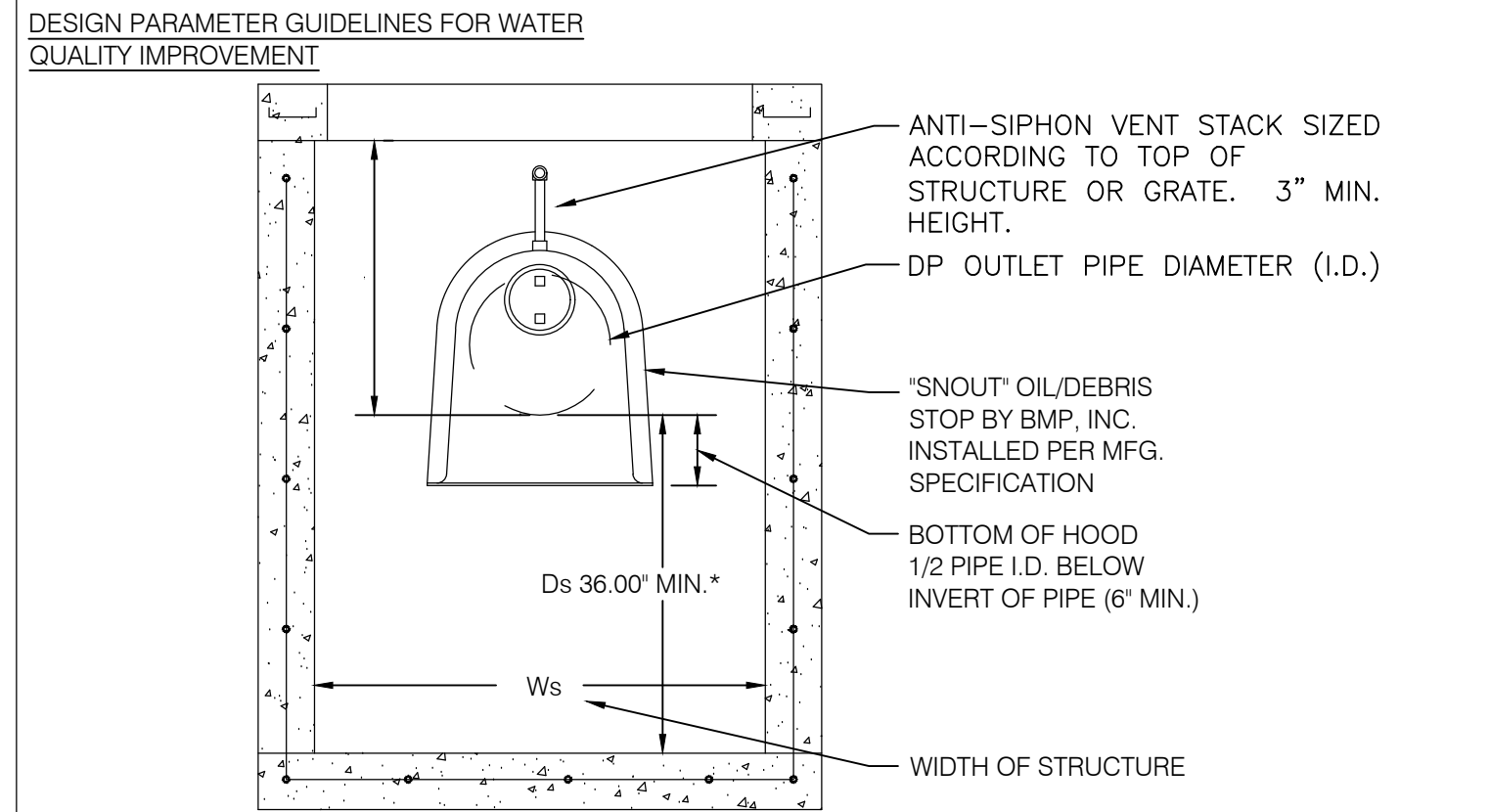


**\* R SERIES INSTALLATION NOTE:**  
 12R- FITS 36-48" DIAM. STRUCTURE  
 18R- FITS 48-60" DIAM. STRUCTURE  
 24R- FITS 48-60" DIAM. STRUCTURE  
 30R- FITS 60-72" DIAM. STRUCTURE  
 54R- FITS 72" DIAM. STRUCTURE  
**RECOMMENDED SUMP DEPTH 2.5 TO 3X OUTLET PIPE I.D.**  
 U.S. PATENT # 6126817 INT'L PATENTS PENDING

**BMP, INC**  
 53 MT. ARCHER RD., LYME CT 06371  
 (800) 504-8008 FAX: (860) 434-3195

DESCRIPTION	DATE	SCALE
SNOUT SIZE COMPARISON	09/09/05	NONE

DRAWING NUMBER: SN-SIZES



**RULE # 1-** AT AN ABSOLUTE MINIMUM, STRUCTURE INTERNAL DIMENSIONS MUST BE AT LEAST LARGE ENOUGH TO ACCOMMODATE EXTERNAL DIMENSIONS OF THE SNOUT, AND ALLOW FOR A PERSON TO INSTALL IT. REFER TO BMP, INC. CAD DETAILS FOR PART DIMENSIONS.

**RULE # 2-** USE ONLY 'F' SERIES SNOUTS FOR RECTANGULAR OR SQUARE STRUCTURES, AVAILABLE IN 12", 18", 24", 30", 48", 72" AND 96" SIZES. USE ONLY 'R' SERIES SNOUTS FOR ROUND STRUCTURES, AVAILABLE IN 12", 18", 24", 30", AND 54" SIZES.

\*SUMP DEPTH (Ds) - SUMP DEPTH SHOULD BE A MINIMUM OF 36" FOR ANY NEW CONSTRUCTION FOR PIPES 12" AND LESS. FOR 15"-18" PIPE MIN. DEPTH SHOULD BE 48". OPTIMAL SIZING IS AT LEAST 2.5X TO 3X OUTLET PIPE DIAMETER (Dp) FOR MAXIMUM POLLUTANT REMOVAL EFFICIENCY AND MINIMAL CLEANOUT FREQUENCY.

STRUCTURE DIMENSIONS - PLAN DIMENSIONS FOR A STRUCTURE SHOULD BE UP TO 7X AREA OF OUTLET PIPE FOR MAXIMUM POLLUTANT REMOVAL EFFICIENCY AND MINIMAL CLEANOUT FREQUENCY. (SEE 'MAINTENANCE CONSIDERATIONS' DOCUMENT FOR MORE INFORMATION)

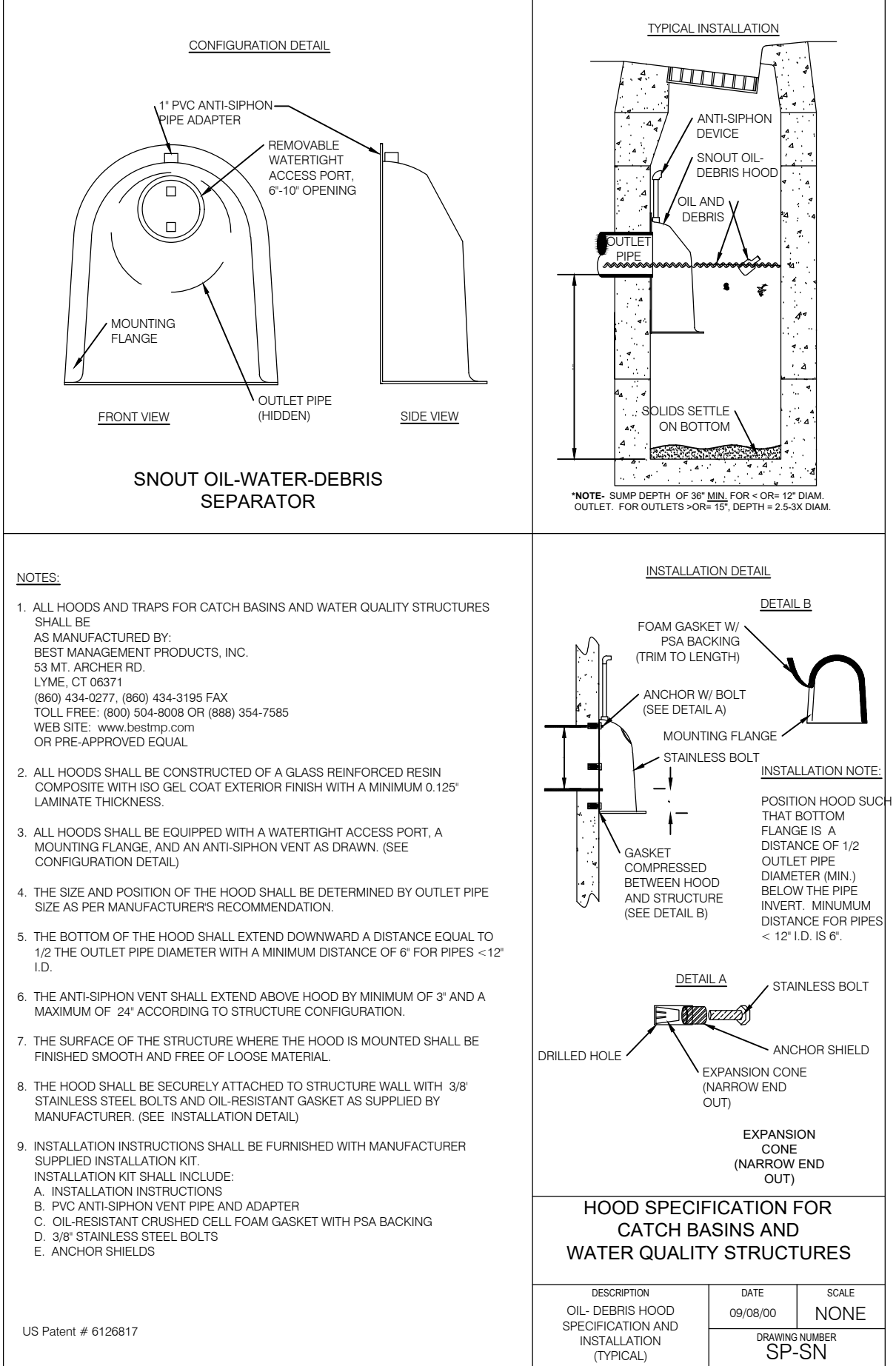
**IMPORTANT NOTICE:** DO NOT CONFUSE PIPE O.D. WITH PIPE I.D. A SNOUT FITS OVER A PIPE, NOT IN IT. THUS, SNOUT MUST BE SIZED TO FIT OVER PIPE OPENING IN STRUCTURE. SNOUTS ARE AVAILABLE FOR ROUND STRUCTURES TO ACCOMMODATE PIPES OF 54" O.D. MAX. FOR PIPES 54" O.D. AND ABOVE, USE SQUARE OR RECTANGULAR STRUCTURES.

SIZING EXAMPLES:		
OUTLET HOLE SIZE	SNOUT SIZE	
11 9\"/>		

BMP, INC.		
DESCRIPTION	DATE	SCALE
SNOUT SIZING CHART	09/09/05	NONE

DRAWING NUMBER: SP-SI



**NOTES:**

- ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE MANUFACTURED BY BEST MANAGEMENT PRODUCTS, INC. ES.MT. ARCHER RD. LYME, CT 06371 (860) 434-0277, (860) 434-3195 FAX TOLL FREE: (800) 504-8008 OR (860) 354-7585 WEB SITE: WWW.BMP.COM OR PRE-APPROVED EQUAL.
- ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125\"/>

**18F SNOUT DETAILS**  
SCALE: NTS

DESCRIPTION: REVISED PER COUNTY, WATER & IRRIGATION COMMENTS

NO. DATE: 1 03/2021

DRAWN BY: JHO

CHECKED BY: AGA

FIELD REV: SURVEY

DATE: 03/12/2021

SCALE: 200% (SITE OPTION)

SCALE MEASURES - INCH ON FULL SIZE SHEETS ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS

PROFESSIONAL ENGINEER No. 11366633 ALLISON G. ALBERT

NOT FOR CONSTRUCTION

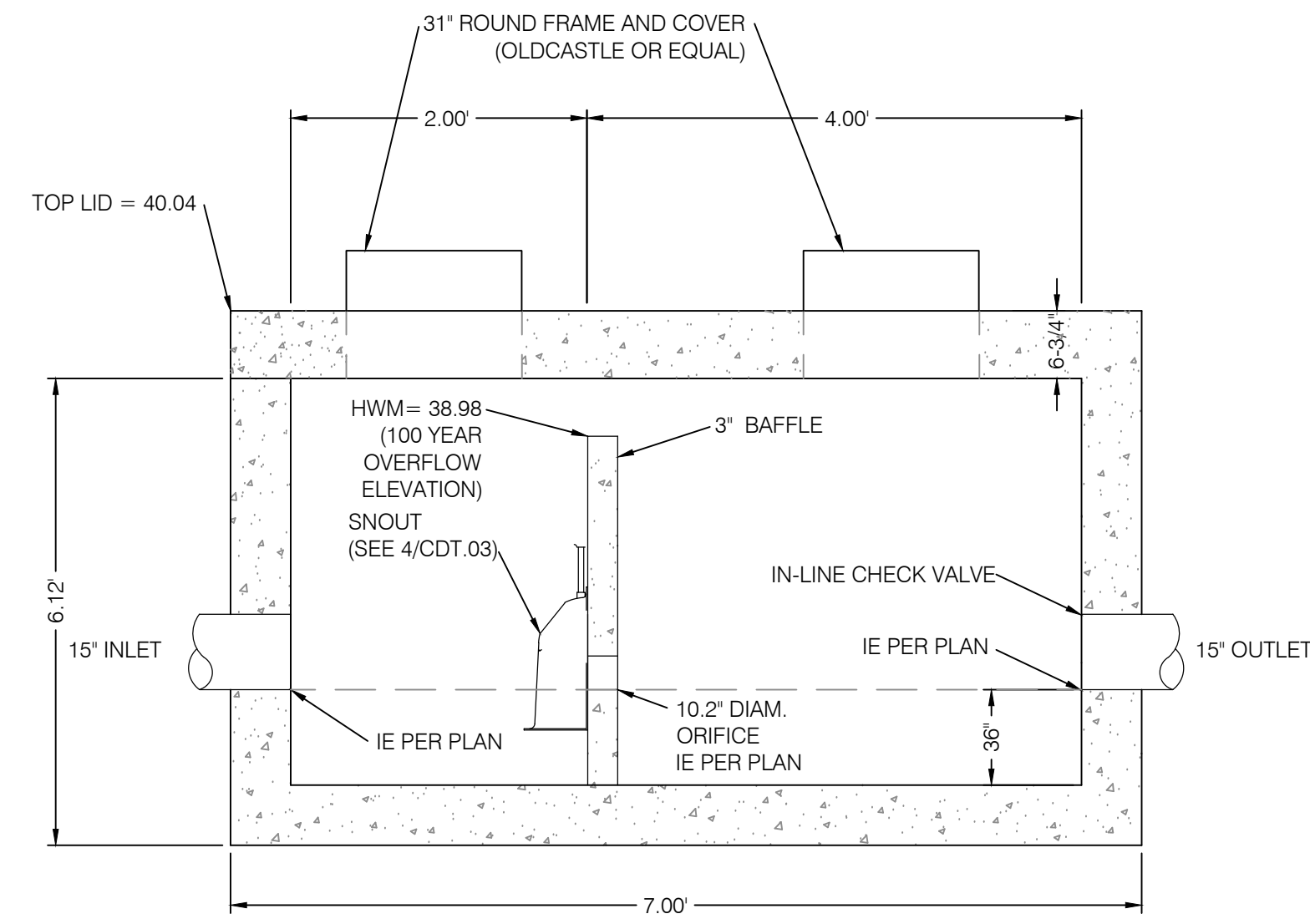
**BENCHMARK ENGINEERING & LAND SURVEYING**  
 9188 SOUTH STATE STREET SUITE #100  
 SANDY, UTAH 84070 (801) 542-7192  
 www.benchmarkcivil.com

**BENCHMARK CIVIL**

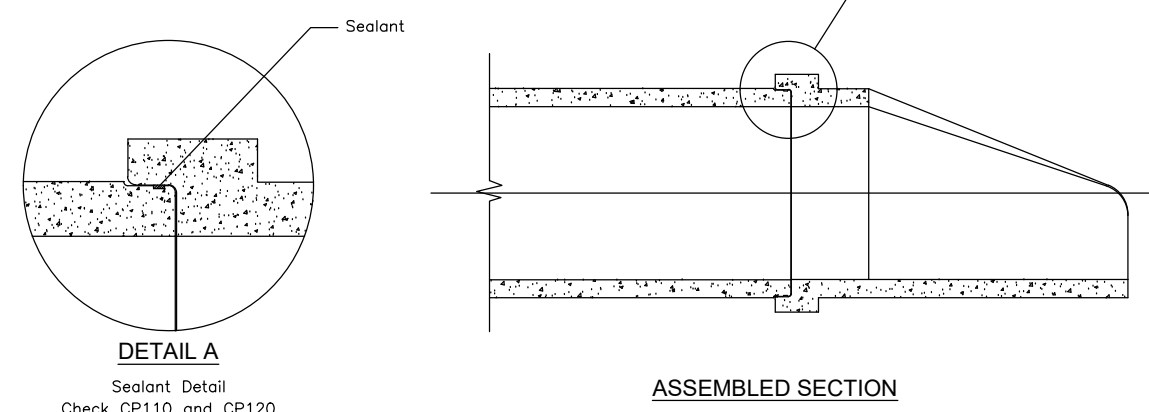
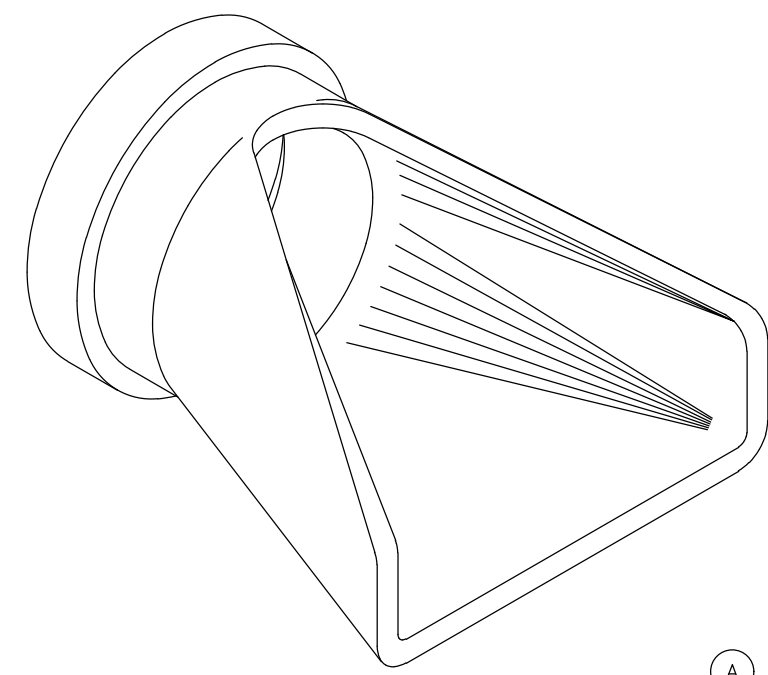
**WINSTON PARK**  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

PROJECT NO. 2006142

**DETAILS & NOTES SHEET**  
 CDT.03  
 19 OF 21

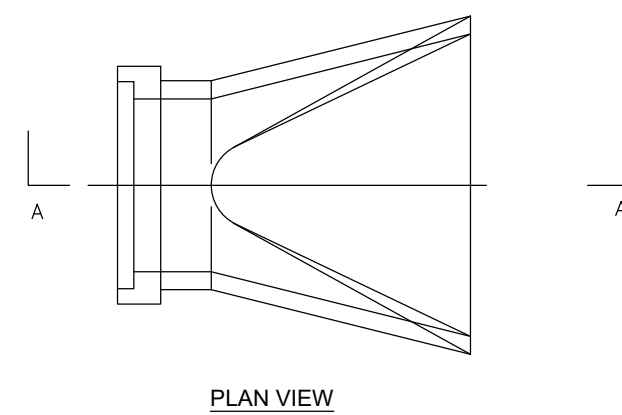


**4'X6' CLEANOUT BOX WITH BAFFLE** ①  
SCALE: N.T.S.

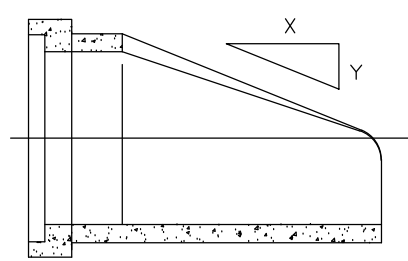


**DETAIL A**  
Sealant Detail  
Check CP110 and CP120  
for Specific Joint Details

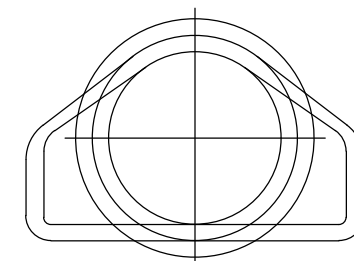
Diameter	Code	Weight
12"	FES12B	535#
15"	FES15B	740#
18"	FES18B	994#
24"	FES24B	1,540#
30"	FES30B	2,100#
36"	FES36B	4,100#
42"	FES42B	5,380#
48"	FES48B	6,550#



**PLAN VIEW**



**SECTION A-A**



**END VIEW**

Diag.	Slope X : Y	A	B	C	E	F	G
12"	2.4 : 1	4"	24"	49"	72"	24"	2"
15"	2.4 : 1	6"	27"	46"	73"	30"	2"
18"	2.5 : 1	9"	23"	40"	73"	36"	2"
24"	2.5 : 1	9"	43"	50"	73"	48"	3"
30"	2.5 : 1	12"	54"	61"	73"	60"	3"
36"	2.5 : 1	15"	63"	70"	73"	72"	4"
42"	2.5 : 1	21"	63"	70"	73"	78"	4"
48"	2.5 : 1	24"	72"	80"	73"	84"	5"

**Oldcastle Precast**  
801 West 12th Street, Ogden, Utah 84403  
Phone: 801-399-1171 Fax: 801-392-7668

**Flared End**  
FILE NAME: 2102PERFORLARS  
REVISE DATE: 5/08  
www.oldcastleprecast.com

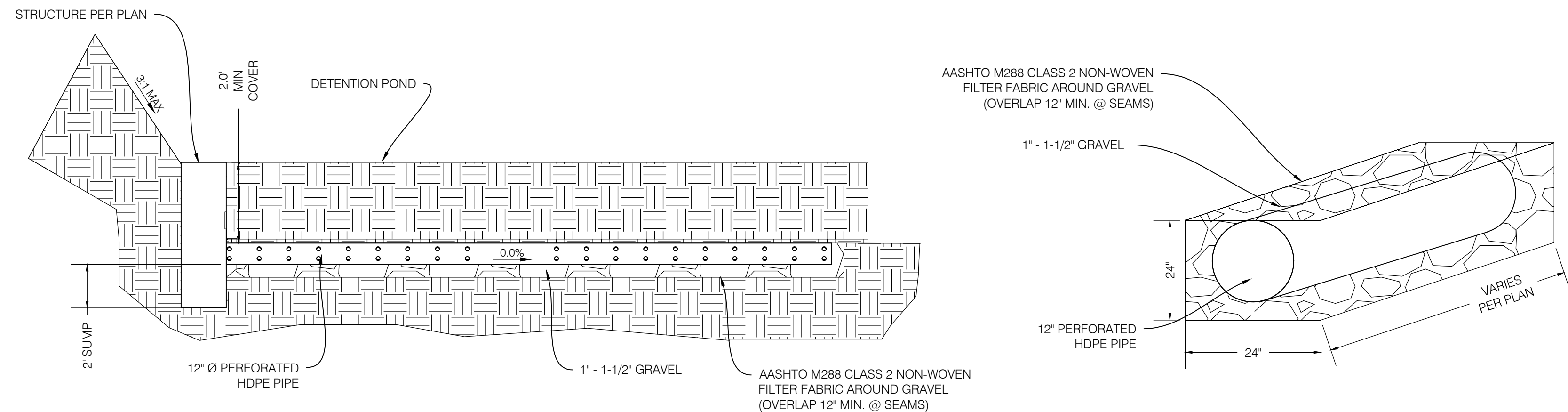
**Flared End Section for Round Pipe**  
Copyright © 2008

**Oldcastle Precast**  
801 West 12th Street, Ogden, Utah 84403  
Phone: 801-399-1171 Fax: 801-392-7668

**Flared End**  
FILE NAME: 2102PERFORLARS  
REVISE DATE: 5/08  
www.oldcastleprecast.com

**Flared End Section for Round Pipe**  
Copyright © 2008

**FLARED END SECTION WITH TRASH GATE** ②  
SCALE: N.T.S.

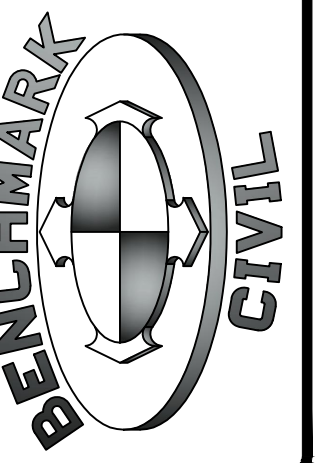


**PERFORATED PIPE DETAIL** ③  
SCALE: N.T.S.

No.	DATE	DESCRIPTION
1	03/20/21	REVISED PER COUNTY, WATER & IRRIGATION COMMENTS

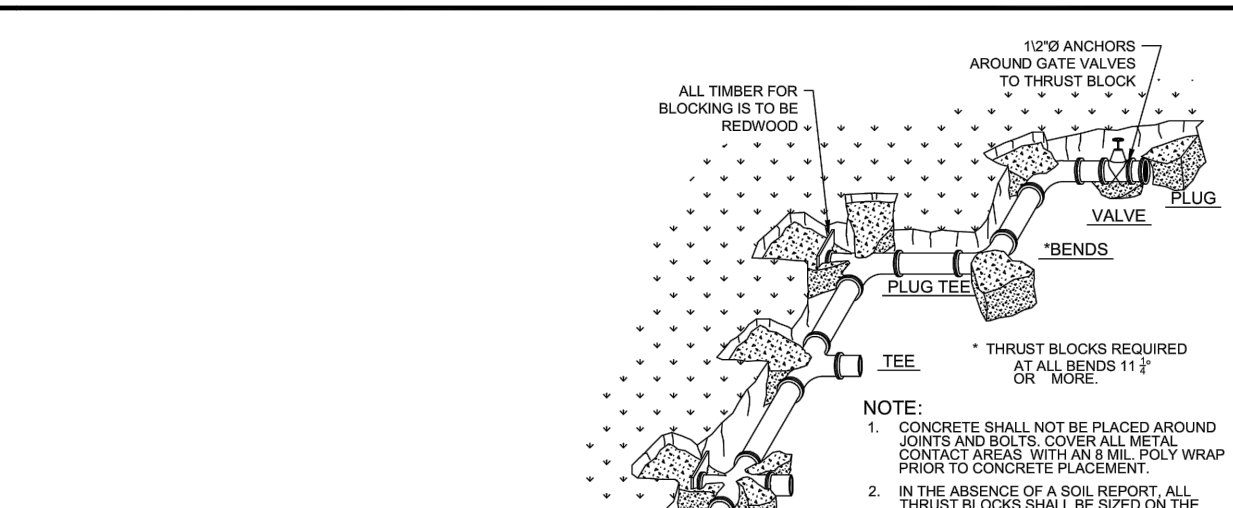
DESIGNED BY: JHO  
CHECKED BY: AGA  
PROJECT: SURVEY  
DATE: 03/12/2021  
SCALE: 0.1  
SCALE MEASURES - INCH ON FULL SIZE SHEETS  
ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS

**BENCHMARK ENGINEERING & LAND SURVEYING**  
9138 SOUTH STATE STREET SUITE #100  
SANDY, UTAH 84070 (801) 542-7192  
www.benchmarkcivil.com



**WINSTON PARK**  
3701 W 1800 S  
WEBER COUNTY, UTAH

PROJECT NO. 2008142  
**DETAILS & NOTES SHEET**  
CDT.04  
20 OF 21

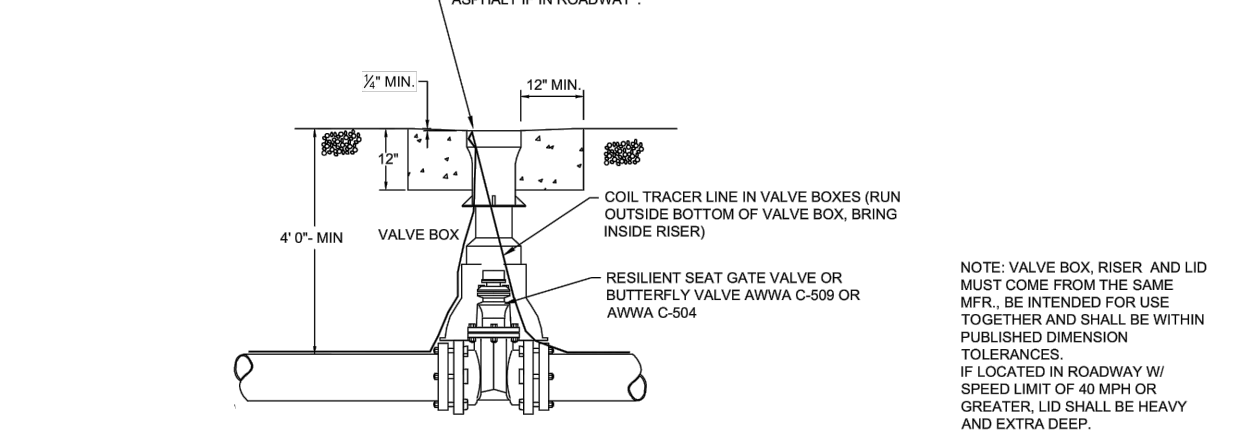


PIPE	SIZE	DEPTH	AREA	DEPTH	AREA	DEPTH	AREA
4"	12"	18"	1.25	24"	2.25	30"	3.75
4"	18"	24"	1.50	30"	2.75	36"	4.50
6"	24"	36"	2.25	42"	4.50	48"	6.75
8"	30"	42"	3.00	48"	6.00	54"	9.00
10"	36"	54"	4.50	60"	9.00	66"	13.50
12"	42"	60"	6.00	66"	12.00	72"	18.00
14"	48"	66"	7.50	72"	15.00	78"	22.50
16"	54"	72"	9.00	78"	18.00	84"	27.00
18"	60"	78"	10.50	84"	21.00	90"	31.50
20"	66"	84"	12.00	90"	24.00	96"	36.00
22"	72"	90"	13.50	96"	27.00	102"	40.50
24"	78"	96"	15.00	102"	30.00	108"	45.00

NOTE: ALL VALVES, TEES, CROSSES AND BENDS SHALL ALSO BE FITTED WITH MECHANICAL RESTRAINTS, SUCH AS MEGA LUG OR ROMA GRIP WITH FLUOROPOLYMER COATED BOLTS AND NUTS.

AREAS GIVEN IN TABLE ARE BASED UPON AN INTERNAL STATIC PRESSURE OF 100 PSIG AND A SOIL BEARING CAPACITY OF 3000 LBS PER SQ. FT. BEARING AREAS FOR ANY PRESSURE AND SOIL BEARING CAPACITY MAY BE OBTAINED BY MULTIPLYING THE TABULATED VALUES BY A CORRECTION FACTOR "F".

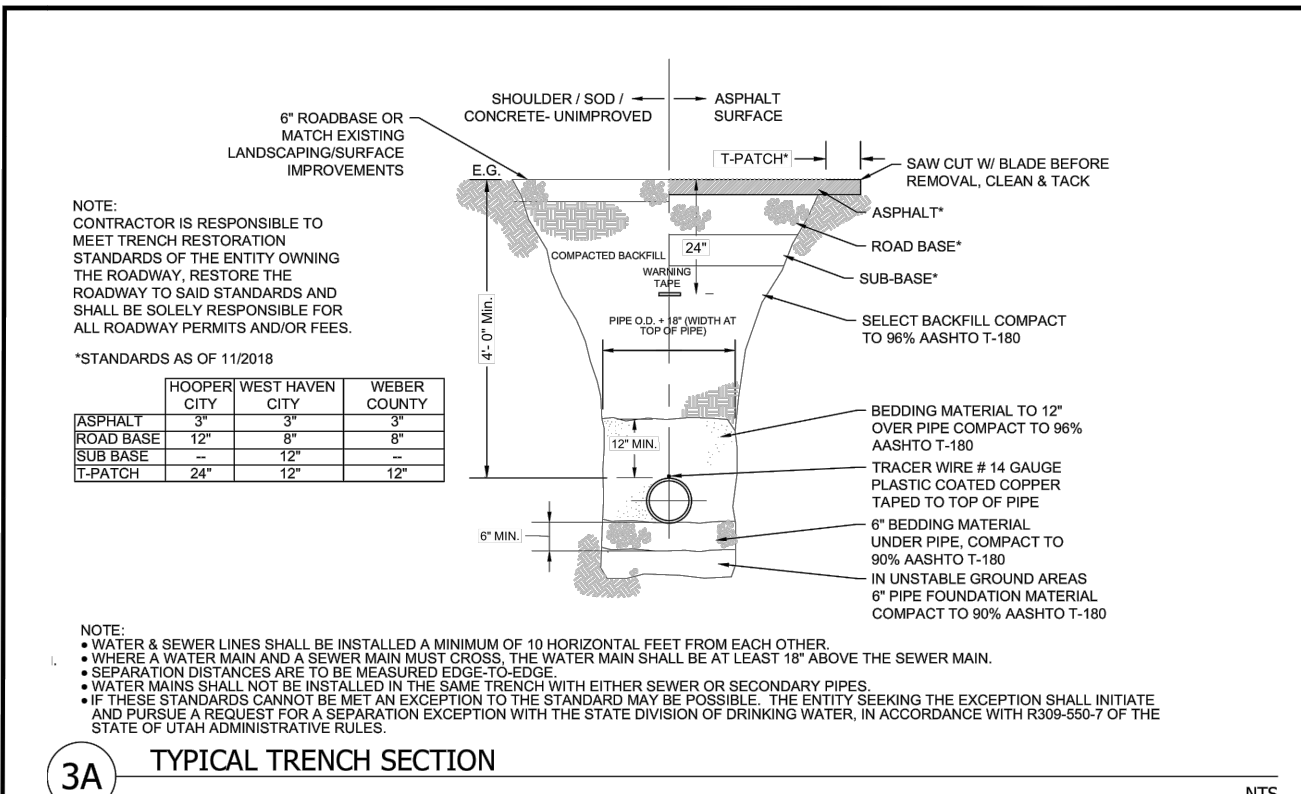
CONCRETE	4" THICK	MIN. CLEARANCE	6" MIN.
VALVE BOX	12" DIA.	VALVE BOX	12" DIA.
ADJUST WATER VALVE BOX TO GRADE FOLLOWING FINAL SURFACE PRES. RECONCRETE COLLARS. COLLAR TO BE HELD DOWN 1/4" BELOW TOP OF ASPHALT IF IN ROADWAY.			



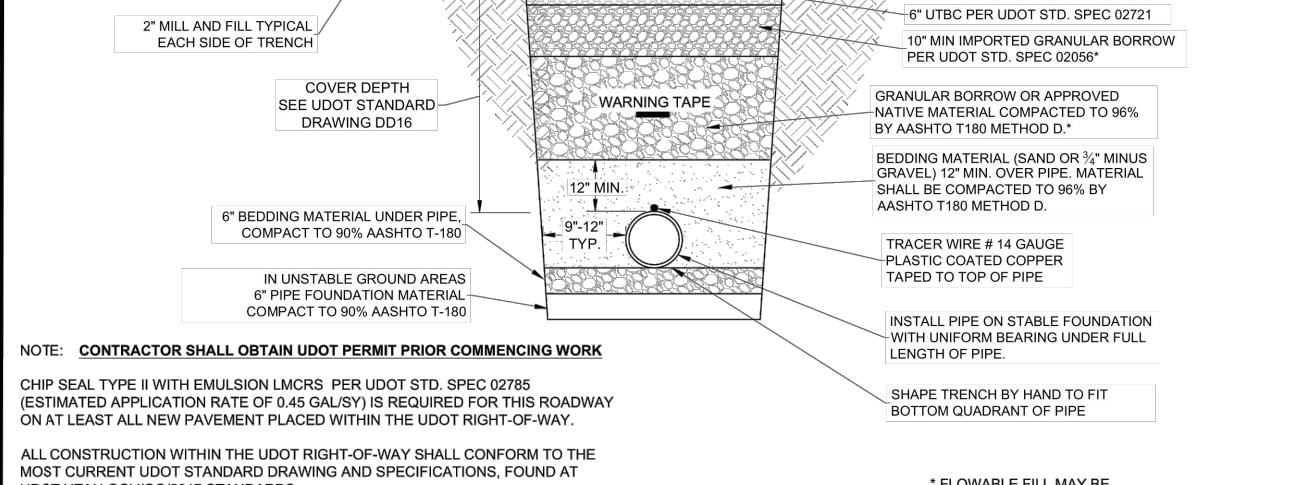
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA

### THRUST BLOCK AND VALVE DETAILS TAYLOR-WEST WEBER WATER DISTRICT STD. 1

SCALE: N.T.S.



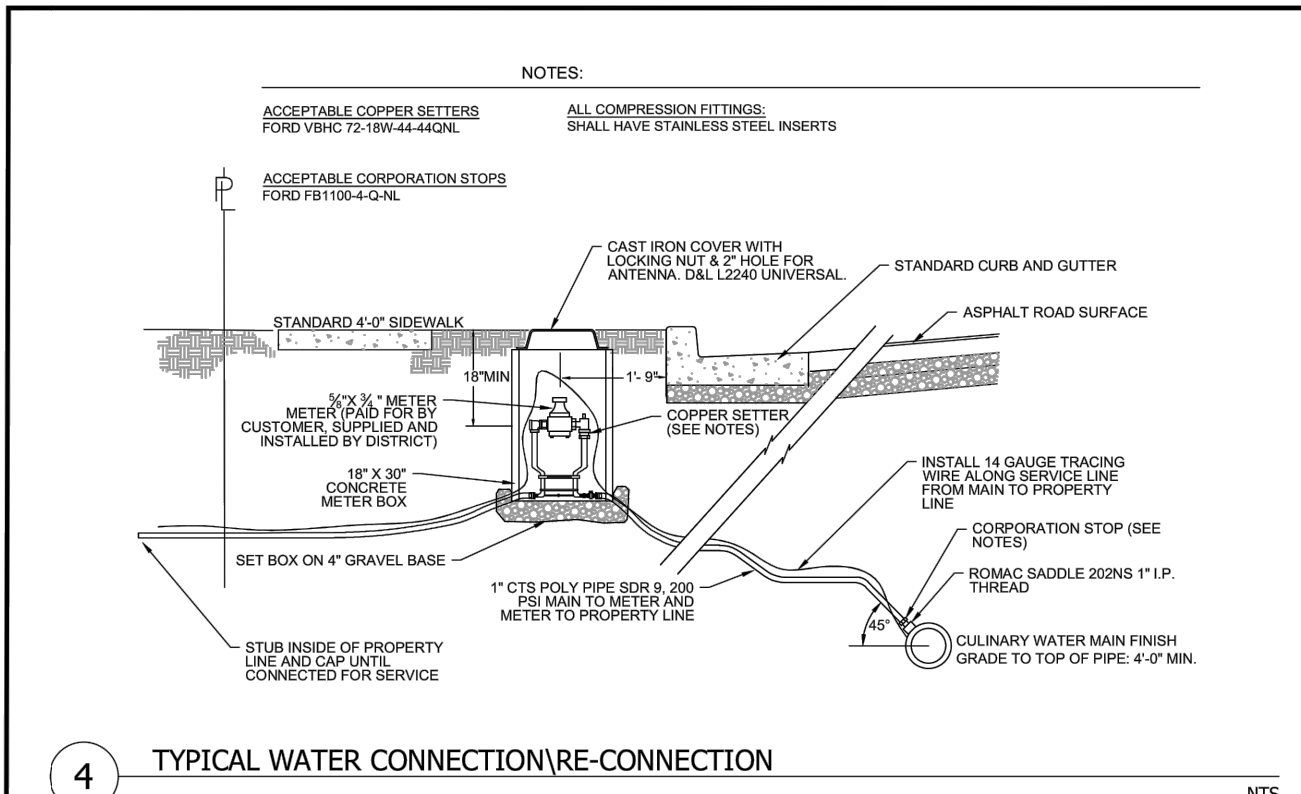
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA



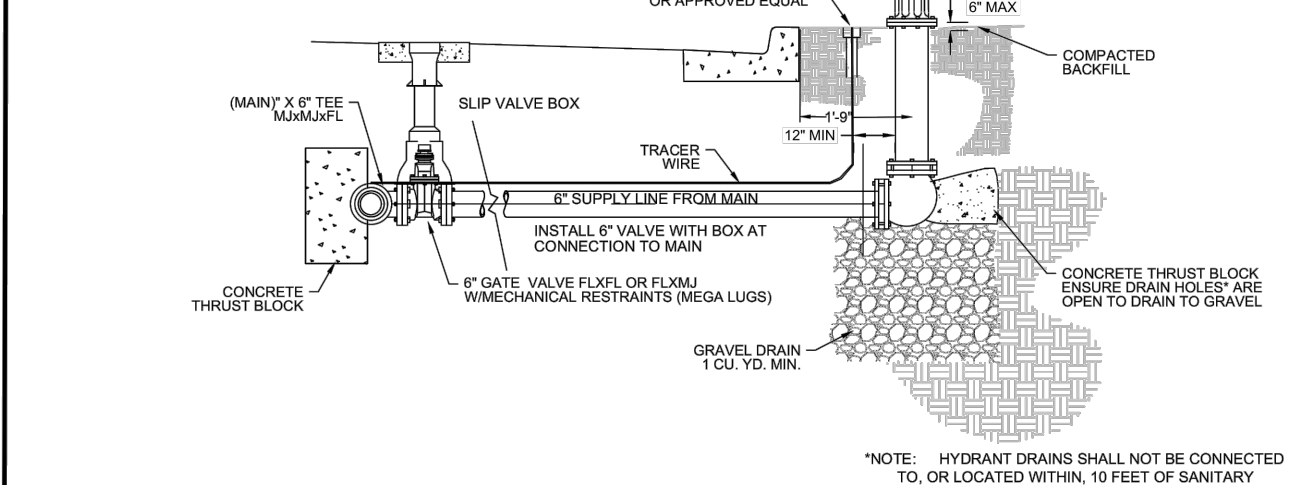
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA

### TRENCH DETAILS TAYLOR-WEST WEBER WATER DISTRICT STD. 2

SCALE: N.T.S.



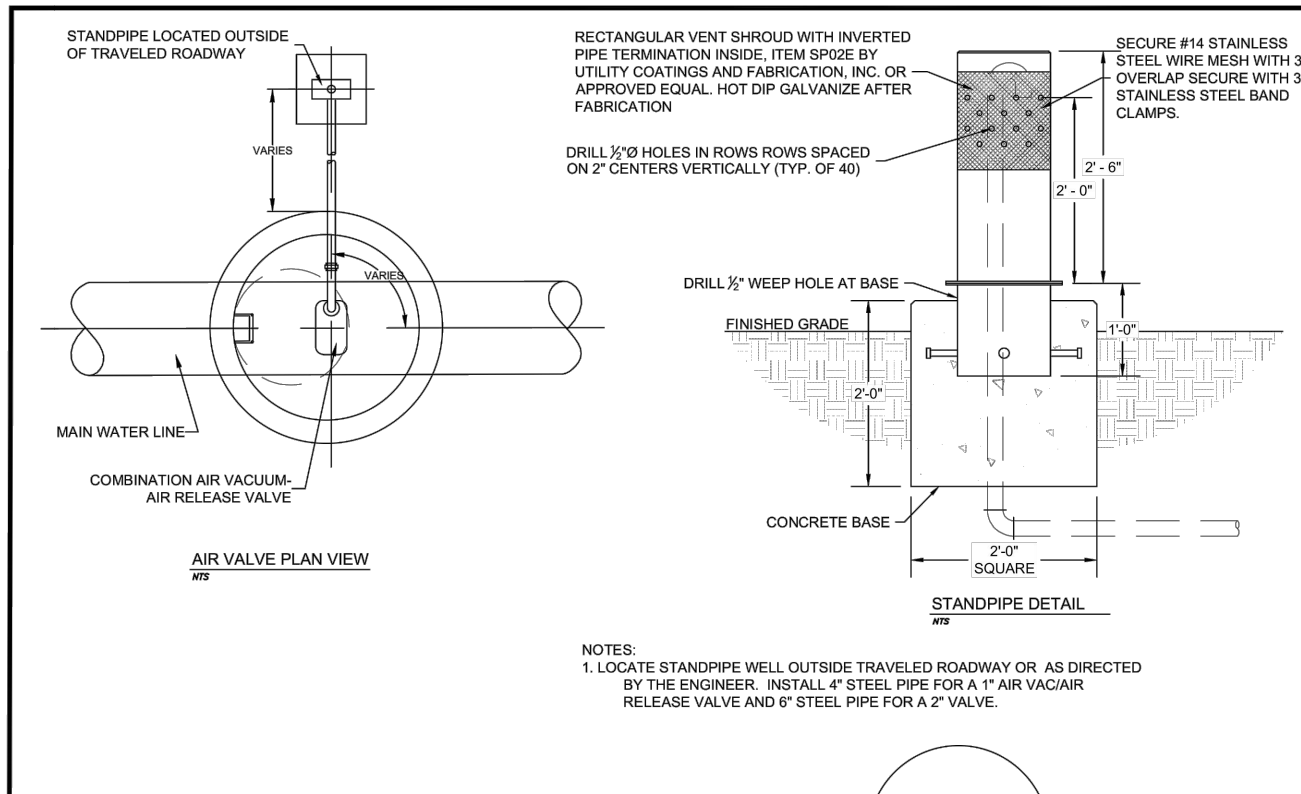
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA



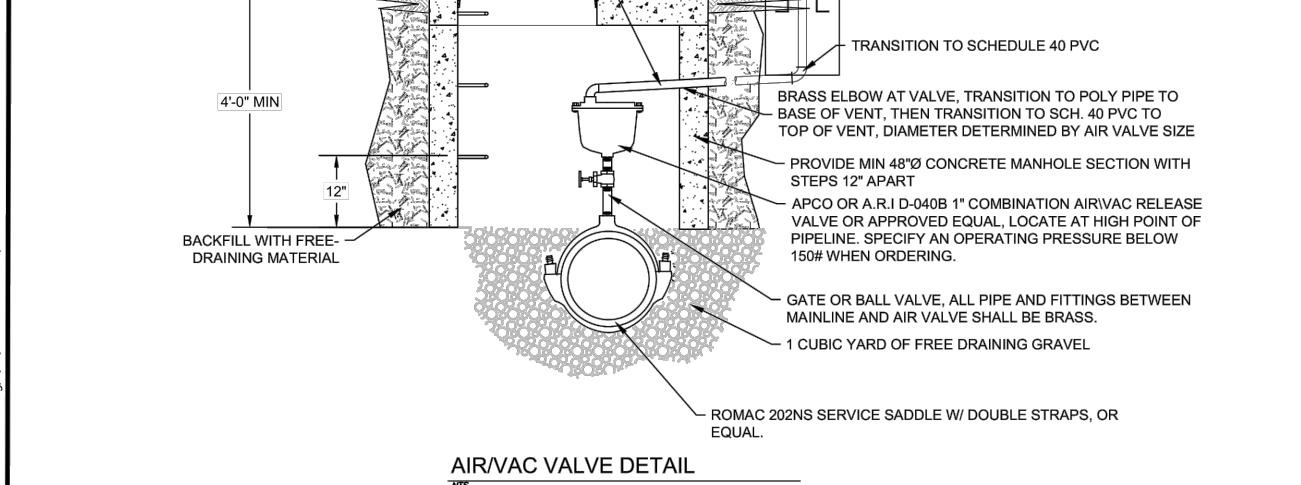
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA

### TYP. CONNECTION AND FIRE HYDRANT DETAILS TAYLOR-WEST WEBER WATER DISTRICT STD. 3

SCALE: N.T.S.



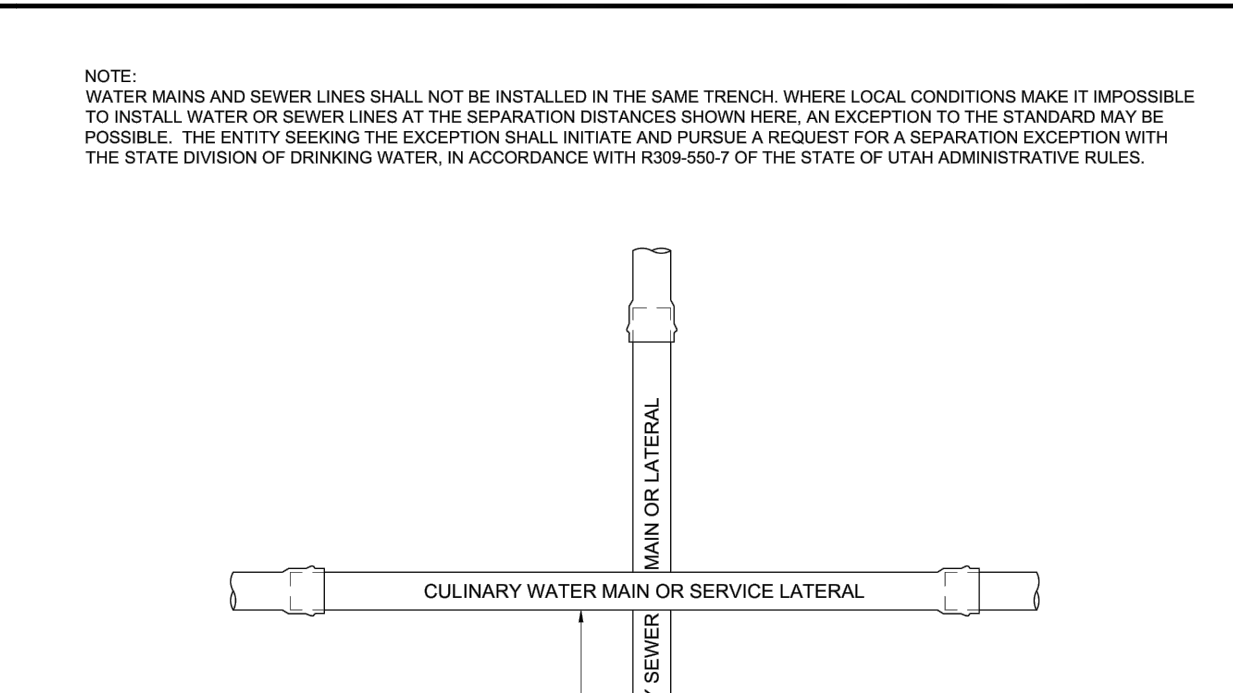
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA



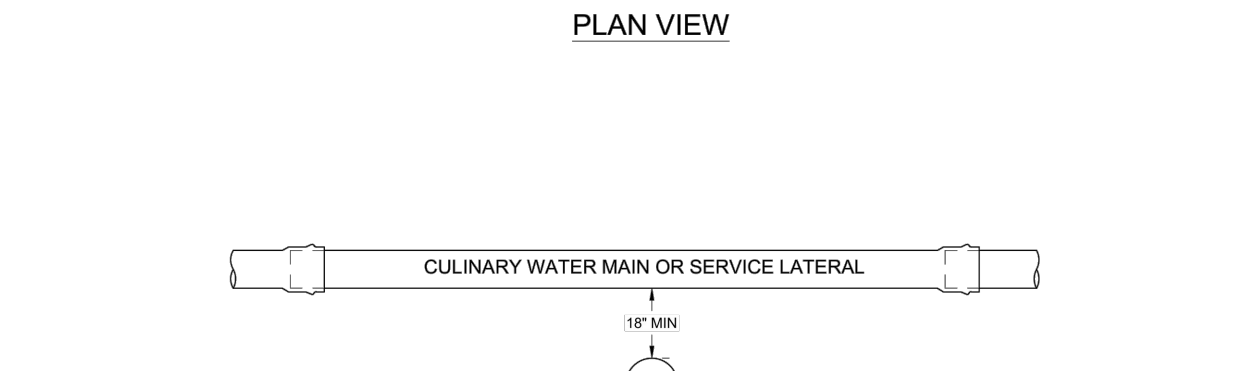
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA

### COMBO AIR-VAC DETAIL TAYLOR-WEST WEBER WATER DISTRICT STD. 4

SCALE: N.T.S.



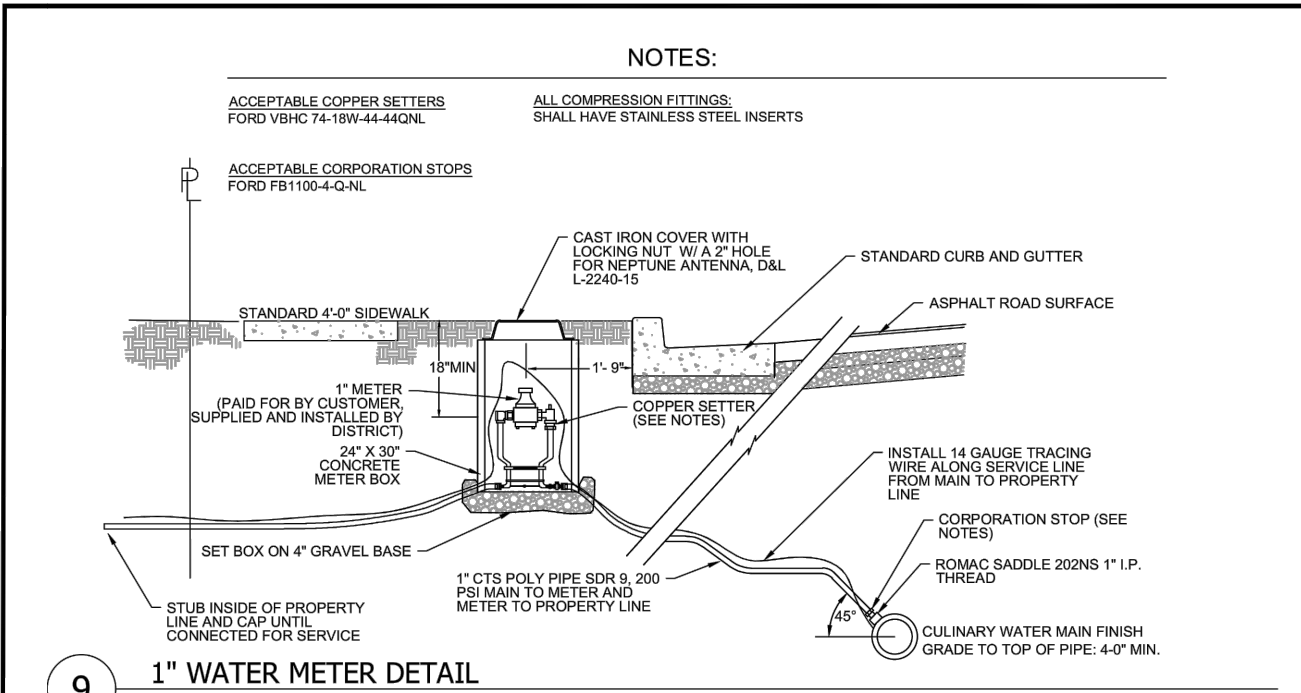
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA



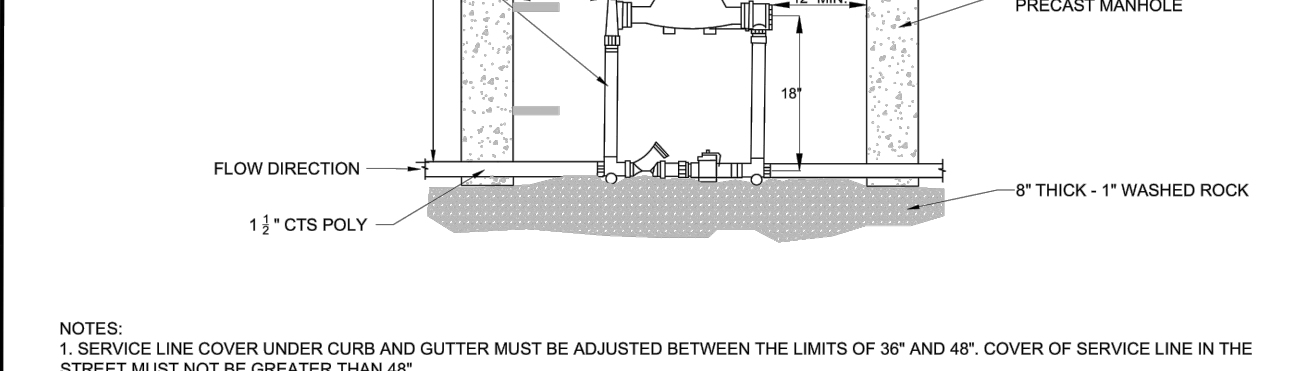
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA

### TYPICAL SEWER CROSSING DETAIL TAYLOR-WEST WEBER WATER DISTRICT STD. 5

SCALE: N.T.S.



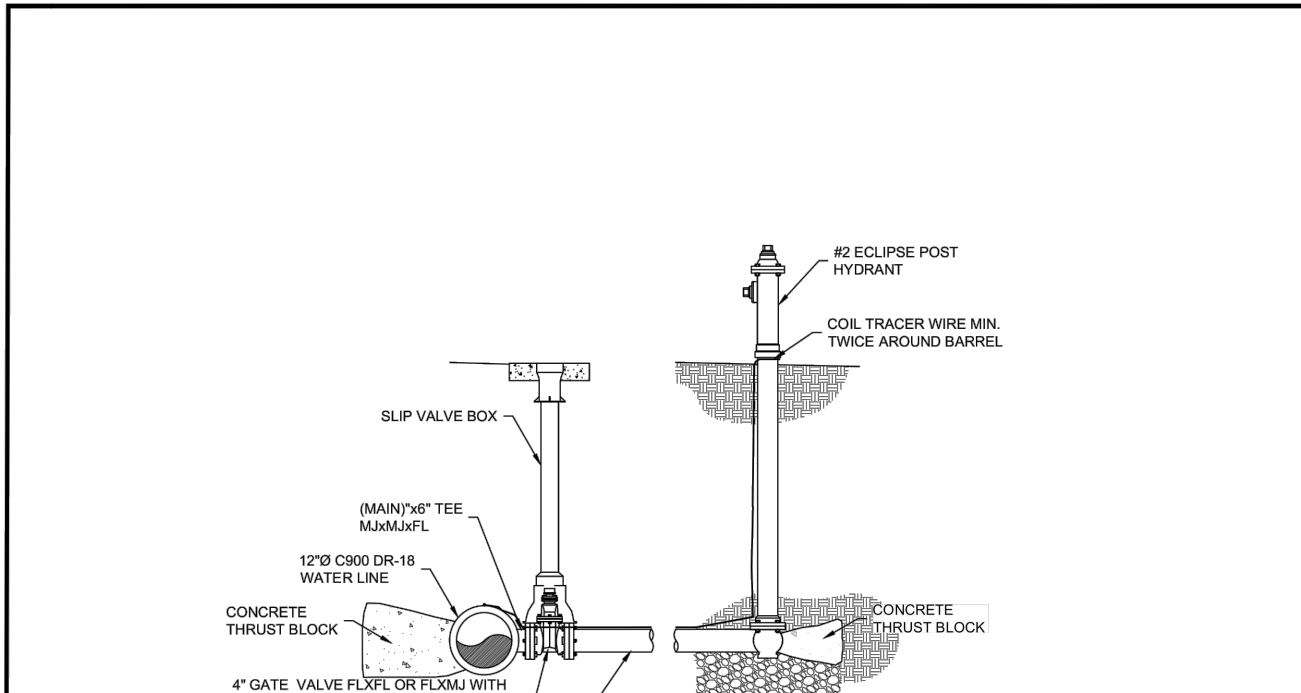
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA



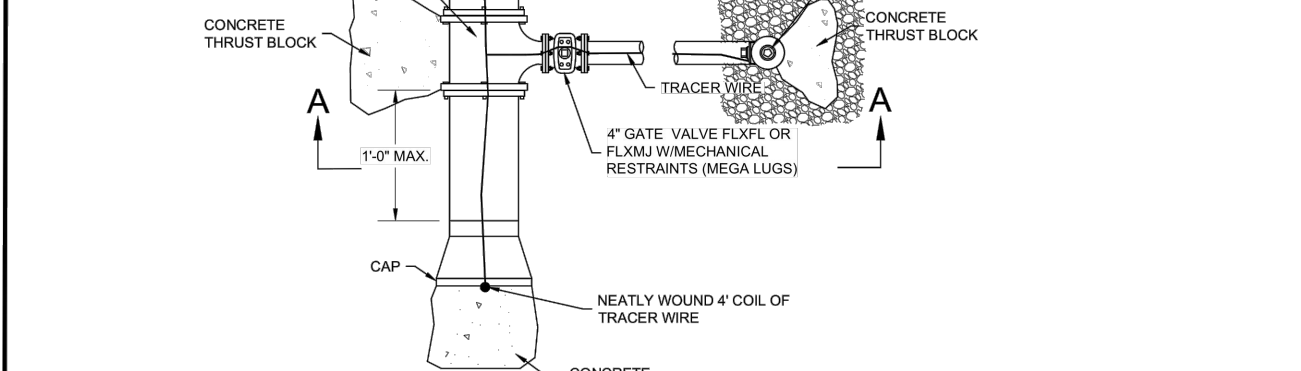
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA

### METER DETAIL TAYLOR-WEST WEBER WATER DISTRICT STD. 6

SCALE: N.T.S.



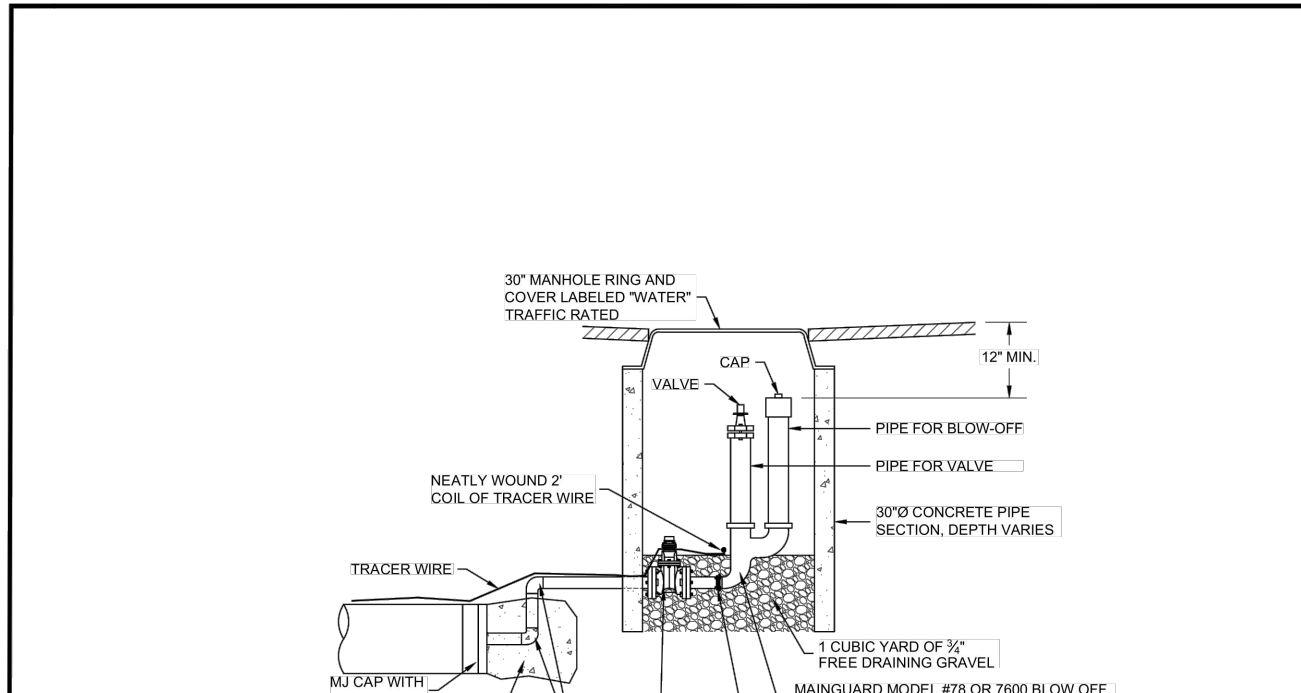
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA



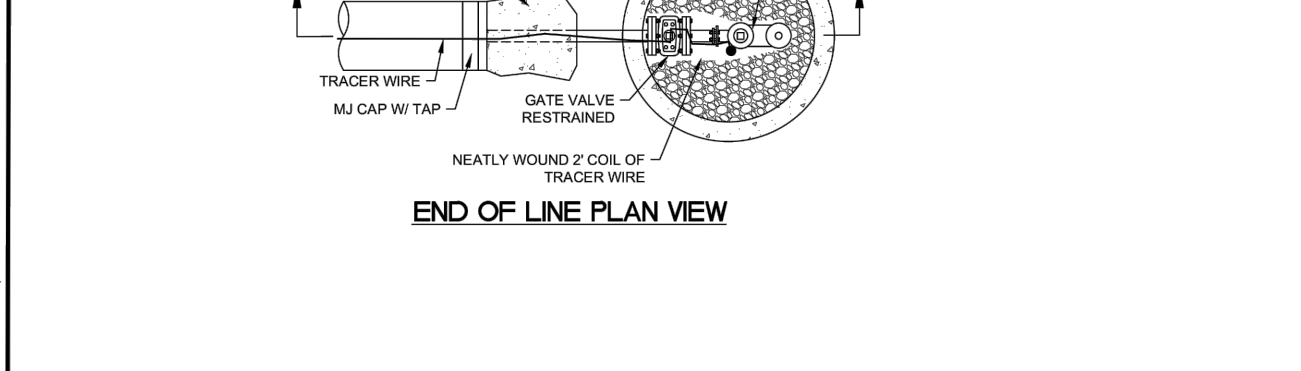
DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA

### LATERAL BLOW OFF DETAIL TAYLOR-WEST WEBER WATER DISTRICT STD. 7

SCALE: N.T.S.



DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA



DEV. FROM STD.	DESCRIPTION	DATE	BY
	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT	03/12/2021	AGA

### END LINE BLOW OFF DETAL TAYLOR-WEST WEBER WATER DISTRICT STD. 8

SCALE: N.T.S.

REVISIONS

NO.	DATE	DESCRIPTION
1	03/2021	REVISION PER COUNTY WATER & BRIGATION COMMENTS

DRAWN BY: JHO  
 CHECKED BY: AGA  
 FIELD OR: SURVEY  
 DATE: 03/12/2021  
 DATE FILED: 202002 SITE OFFICE

PROFESSIONAL ENGINEER  
 No. 11366833  
 ALLISON G. ALBERT  
 SEATTLE, WASH.  
 NOT FOR CONSTRUCTION

BENCHMARK ENGINEERING & LAND SURVEYING  
 9138 SOUTH STATE STREET SUITE #100  
 SANDY, UTAH 84070 (801) 542-7192  
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WINSTON PARK  
 3701 W 1800 S  
 WEBER COUNTY, UTAH

PROJECT NO. 2006142  
 DETAILS & NOTES SHEET  
 CDT.05  
 21 OF 21