

GENERAL

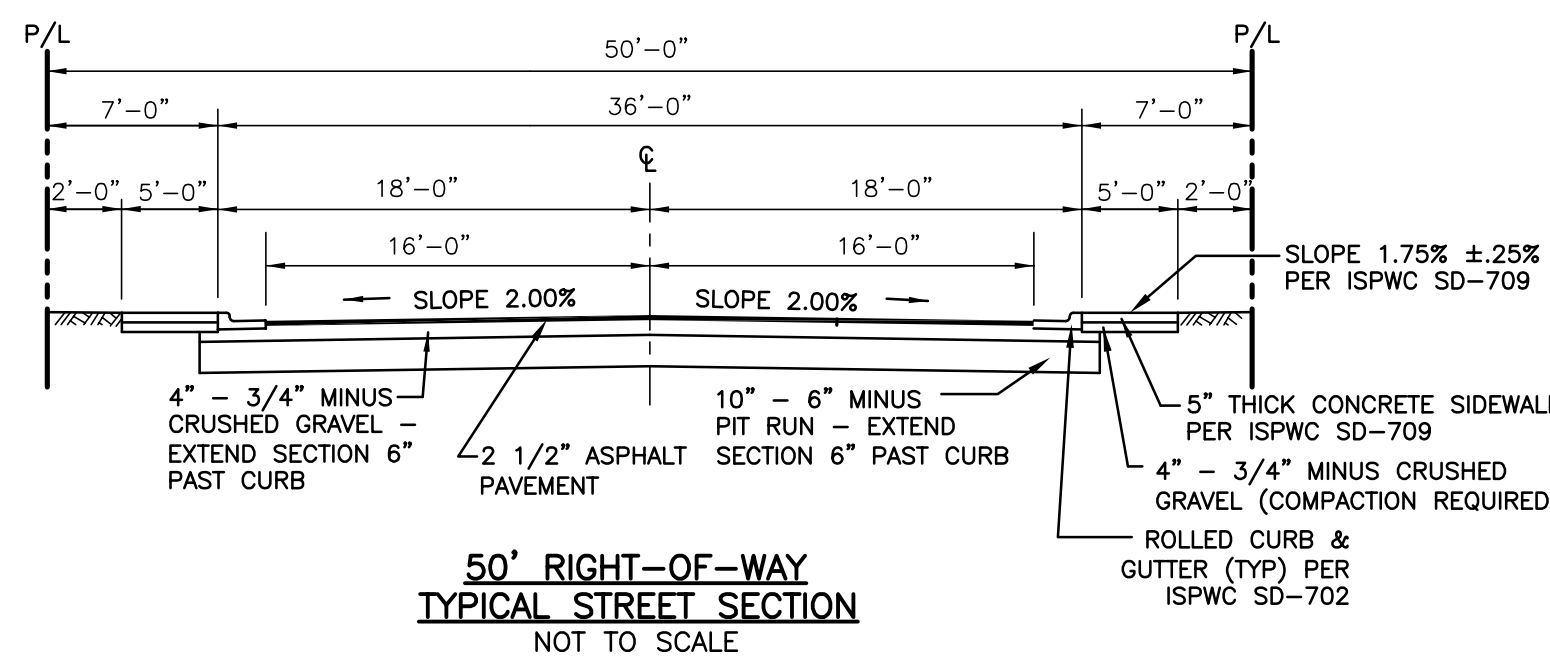
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR REQUIREMENTS OF BOISE CITY PUBLIC WORKS DEPARTMENT, THE ADA COUNTY HIGHWAY DISTRICT, AND/OR THE ISPCW (CURRENT EDITION).
- A PRE CONSTRUCTION CONFERENCE WILL BE HELD A MINIMUM OF 48 HOURS PRIOR TO START OF WORK. ALL CONTRACTORS, SUBCONTRACTORS AND/OR UTILITY CONTRACTORS SHOULD BE PRESENT.
- ALL LOT, BLOCK, STREET RIGHT-OF-WAY, AND EASEMENT DIMENSIONS SHALL BE TAKEN FROM THE FINAL PLAT OF BRIDGEVIEW SUBDIVISION NO. 5.
- THE CONTRACTOR(S) SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE AND BELOW GROUND, AS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE CLEARING AND GRUBBING WHICH CONSISTS OF CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, UNDERGROWTH, HEDGES, HEAVY GROWTH OF GRASS OR WEEDS, FENCES, STRUCTURES, DEBRIS, RUBBISH, AND SUCH MATERIAL WHICH, IN THE OPINION OF THE ENGINEER, IS UNSUITABLE FOR THE FOUNDATION OF PAVEMENTS. ALL MATERIAL NOT SUITABLE FOR FUTURE USE ON SITE SHALL BE DISPOSED OF OFF SITE.
- SURVEY CONTROL POINTS WHICH ARE CRITICAL TO THE CONSTRUCTION OF THE PROJECT ARE LOCATED WITHIN THE LIMITS OF WORK. THE CONTRACTOR SHALL TAKE PRECAUTION TO PROTECT THE POINTS IN PLACE.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
- ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
- EXISTING A.C. PAVEMENT SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL OR PERPENDICULAR TO THE STREET CENTERLINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING.
- ALL MATERIALS FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES OR AS SET FORTH HEREIN, WHICHEVER IS MORE RESTRICTIVE.
- CONTRACTORS MUST FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE REQUIREMENTS OF ITEM #9 AT THE REQUEST OF THE AGENCY AND/OR THE ENGINEER.
- ALL CONTRACTORS WORKING WITHIN THE PUBLIC ROAD RIGHT-OF-WAY ARE REQUIRED TO SECURE A RIGHT-OF-WAY PERMIT FROM ACHD AT LEAST 24 HOURS PRIOR TO ANY CONSTRUCTION.
- ALL COSTS OF RETESTING FOR PREVIOUSLY FAILED TESTS SHALL BE BACKCHARGED TO THE CONTRACTOR BY THE OWNER.
- ALL COSTS TO THE CONTRACTOR INCURRED IN CORRECTING DEFICIENT WORK SHALL BE TO THE CONTRACTORS ACCOUNT. FAILURE TO CORRECT SUCH WORK WILL BE CAUSE FOR A STOP WORK ORDER AND POSSIBLE TERMINATION.
- THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING CURB & GUTTER, STORM DRAIN, CHANNEL CROSSINGS AND SEWER ELEVATIONS OR INVERTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER WHEN ELEVATIONS OR INVERTS DO NOT MATCH PLANS.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY CONFLICTS NOT SHOWN ON PLANS. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. CALL DIG-LINE 1-800-342-1585.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY NECESSARY NPDES PERMITS, FILING ANY NO's, AND PREPARING A POLLUTION PREVENTION PLAN (PPP) IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY. CONTACT THE EPA AT (208)378-5748 FOR THE REQUIRED INFORMATION.
- ALL UTILITIES INCLUDING SERVICE LINES WITHIN THE STREET TRAVEL WAYS SHALL BE IN PLACE PRIOR TO CURB, GUTTER, SIDEWALKS AND STREET CONSTRUCTION.
- THE PIPE CONTRACTOR SHALL REPLACE ALL PAVEMENT AND CONCRETE REMOVED FOR THE INSTALLATION OF WATER, SEWER, OR IRRIGATION PIPE. ALL PAVEMENT SHALL BE REPLACED WITHIN SEVEN CALENDAR DAYS FROM THE TIME THE PAVEMENT AND/OR CONCRETE IS REMOVED. CONCRETE AND PAVEMENT SHALL BE REPLACED PER ISPCW STANDARDS.
- NO PAVING SHALL OCCUR UNTIL THE CONTRACTOR OBTAINS WRITTEN APPROVAL OF ALL INSTALLED WATER AND SEWER FACILITIES FROM THE CITY OF BOISE.
- ABANDONED BUILDINGS, TEST PITS, TEMPORARY EXCAVATIONS OR WATERWAYS LOCATED WITHIN CURRENT OR FUTURE RIGHT-OF-WAY SHALL BE RE-EXCAVATED TO NATIVE SOIL AND BACKFILLED WITH STRUCTURAL FILL PER ISPCW SPECIFICATIONS. CONTRACTOR SHALL PROVIDE ACHD WITH SOILS TESTING LABORATORY CERTIFICATION OF SUITABILITY OF NATIVE BACKFILL MATERIALS WHICH MEET THE REQUIREMENTS FOR ENGINEERED FILL PER ISPCW SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS TO ACHD FOR ALL SUCH RE-EXCAVATED AND BACKFILLED AREAS.

ROADWAY

- ALL CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE CURRENT EDITION OF THE ISPCW AND THE ACHD SUPPLEMENTAL SPECIFICATIONS. NO EXCEPTIONS TO DISTRICT POLICY, STANDARDS, AND THE ISPCW WILL BE ALLOWED UNLESS SPECIFICALLY AND PREVIOUSLY APPROVED IN WRITING BY THE DISTRICT.
- WHEN DISCREPANCIES OCCUR BETWEEN PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. UNTIMELY NOTIFICATION SHALL NEGATE ANY CONTRACTORS CLAIM FOR ADDITIONAL COMPENSATION.
- INSPECTION OF WORK WITHIN THE RIGHT-OF-WAYS SHALL BE BY THE ADA COUNTY HIGHWAY DISTRICT AND THE OWNER'S ENGINEER. CONTACT ACHD INSPECTION SERVICES AT 367-6284 TO SCHEDULE INSPECTIONS. 24 HOUR NOTICE IS REQUIRED.
- ALL TOPS OF VALVE BOXES AND SEWER MANHOLES SHALL BE SET FLUSH WITH THE SLOPE OF THE FINISHED STREET GRADES. THE ROADWAY CONTRACTOR SHALL INSTALL AND ADJUST ALL SPACERS, GRADE RINGS, MANHOLE RINGS AND LIDS.
- EXISTING A.C. PAVEMENT SHALL BE CUT TO A NEAT STRAIGHT LINE (2' MINIMUM CUT BACK) PARALLEL OR PERPENDICULAR TO THE STREET CENTERLINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING.
- ALL COSTS OF RETESTING FOR PREVIOUSLY FAILED TESTS SHALL BE BACKCHARGED TO THE CONTRACTOR BY THE OWNER.
- ALL COSTS TO THE CONTRACTOR INCURRED IN CORRECTING DEFICIENT WORK SHALL BE TO THE CONTRACTORS ACCOUNT. FAILURE TO CORRECT SUCH WORK WILL BE CAUSE FOR A STOP WORK ORDER AND POSSIBLE TERMINATION.
- ALL STORM DRAINAGE APPURTENANCES SHALL BE INSPECTED AND CERTIFIED BY ADA COUNTY HIGHWAY DISTRICT.
- ALL WATER VALVES WILL BE PLACED SO AS NOT TO CONFLICT WITH ANY CONCRETE CURB, GUTTER, VALLEY GUTTER, AND SIDEWALK IMPROVEMENTS.
- ALL WATER METERS ARE TO BE LOCATED OUTSIDE THE ROAD RIGHT-OF-WAY. ALL FIRE HYDRANTS ARE TO BE LOCATED WITHIN THE ROAD RIGHT-OF-WAY. THERE MUST BE AT LEAST A ONE (1) FOOT SEPARATION BETWEEN BACK OF SIDEWALK (OR CURB IF NO SIDEWALK) AND THE LEADING EDGE OF ANY FIRE HYDRANT.
- OVER EXCAVATION AND ADDITIONAL GRANULAR BACKFILL MAY BE REQUIRED IN HIGH GROUNDWATER AREAS WHICH ARE TO BE DETERMINED BY THE FIELD INSPECTOR.
- ALL MATERIAL PLACED AS FILL OR BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SECTION 306 OF THE CURRENT EDITION OF ADA COUNTY HIGHWAY DISTRICT STANDARD SPECIFICATIONS.
- ROADWAY CONSTRUCTION WILL MEET SPECIFIC DETAILS AND REQUIREMENTS OF THE FOLLOWING IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION STANDARD DRAWINGS: (CURRENT EDITION)
 - STREET SECTION, DRAWING NO. SD-801, AND SECTIONS AS SHOWN ON ROADWAY DETAIL SHEET.
 - ASPHALT REPAIR FOR STREET CUTS, ISPCW DRAWINGS SD-301, SD-303, SD-806
 - 4.0' CONCRETE VALLEY GUTTER, DRAWING NO. SD-708.
 - ROLLED CURB AND GUTTER, DRAWING NO. SD-702.
 - PEDESTRIAN RAMP FOR HANDICAPPED, DRAWING NO. SD-712A. NOTE: ADA STANDARDS REQUIRE MAXIMUM 2% CROSS SLOPE ON ANY PEDESTRIAN RAMP OR SIDEWALK. ACHD WILL NOT ALLOW ANY TOLERANCES TO THIS REQUIREMENT.
 - DETECTABLE WARNING TRUNCATED DOMES TO BE CAST INTO THE CONCRETE (ADHESIVE MATS NOT ALLOWED) AND COLORED TRAFFIC YELLOW, DRAWING NO. SD-712.
 - SIDEWALKS, DRAWING NO. SD-709.
 - STANDARD DROP INLET TYPE I W/ 12" SUMP, ACHD SUPPLEMENTAL DRAWING NO. SD-601.
 - STANDARD DROP INLET TYPE VI W/ 12" SUMP, ACHD SUPPLEMENTAL DRAWING NO. SD-604A.

THE ENGINEER OF RECORD CERTIFIES THAT THE PLANS ARE PREPARED IN SUBSTANTIAL CONFORMANCE WITH THE ACHD POLICY MANUAL AND STANDARDS IN EFFECT AT THE TIME OF PREPARATION. THE ENGINEER ACKNOWLEDGES THAT ACHD ASSUMES NO LIABILITY FOR ERROR OR DEFICIENCIES IN THE DESIGN. ALL VARIANCES FROM ACHD POLICY SHALL BE APPROVED IN WRITING. THE FOLLOWING VARIANCES, LISTED BY DATE AND SHORT DESCRIPTION, WERE APPROVED FOR THE PROJECT:

- NONE.

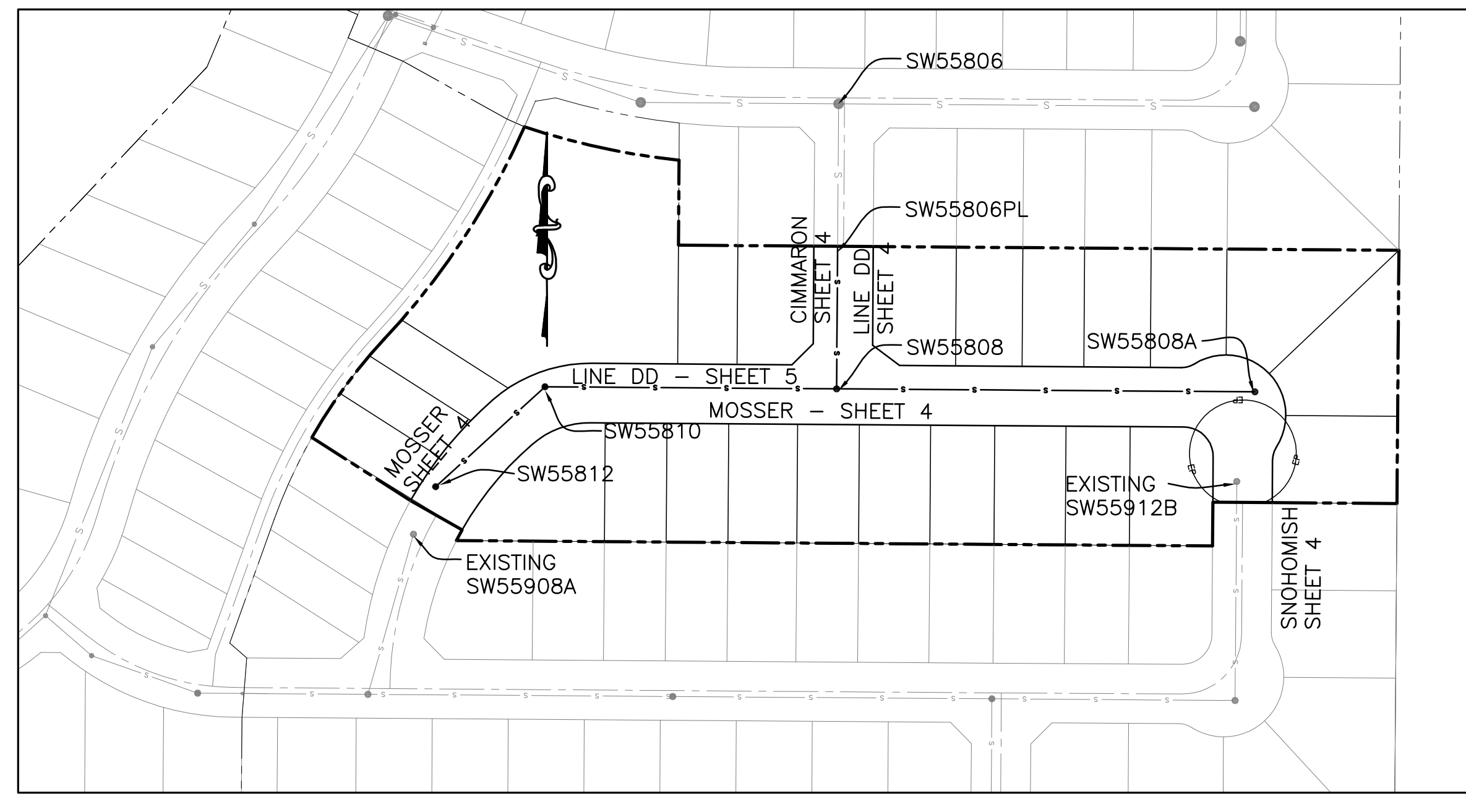


SEWER

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST SEWER SPECIFICATIONS AND STANDARD DRAWINGS OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPCW), BOISE CITY PUBLIC WORKS DEPARTMENT AND/OR THE ADA COUNTY HIGHWAY DISTRICT (ACHD) MODIFICATIONS TO THE ISPCW.
- FINAL APPROVAL AND ACCEPTANCE OF ALL SEWER CONSTRUCTION WILL BE BY THE BOISE CITY PUBLIC WORKS DEPARTMENT.
- SEWER PIPE WITH COVER OF GREATER THAN 3 FEET, SHALL BE BIC AND SPIGOT, POLYWYL CHLORIDE (PVC), SDR 35, ASTM D-3034 FOR 4-INCH THROUGH 15-INCH AND ASTM F879 FOR 18-INCH THROUGH 27-INCH AS SET FORTH BY THE BOISE CITY PUBLIC WORKS DEPARTMENT. SEWER PIPE WITH LESS THAN 3 FEET OF COVER SHALL BE DUCTILE IRON CONFORMING TO ANSI A-21.51 OR AWWA C151 MINIMUM CLASS 50. A RUBBER RING IS TO BE INSTALLED WHERE THE PIPE IS IN CONTACT WITH THE MANHOLE BASE AND/OR ITS CHANNEL IN ORDER TO ENSURE A WATER-TIGHT SEAL.
- SEWER INSPECTIONS WILL BE BY THE BOISE CITY PUBLIC WORKS DEPARTMENT AND THEIR DECISIONS SHOULD BE CONSIDERED AS FINAL. THE CONTRACTOR WILL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO CONSTRUCTION. BOISE CITY WILL PROVIDE PERIODIC INSPECTIONS FOR AN EIGHT-HOUR DAY, FROM 8:00 A.M. TO 5:00 P.M., FOR A FORTY HOUR WEEK. THE CONTRACTOR SHALL REIMBURSE THE CITY AT RATES ESTABLISHED BY THE CITY FOR INSPECTION IN EXCESS OF THE NORMAL WORK WEEK, INCLUDING LEGAL HOLIDAYS, OVERTIME INSPECTION RATES AND A LIST OF LEGAL HOLIDAYS CAN BE OBTAINED FROM THE BOISE CITY PUBLIC WORKS DEPARTMENT.
- SERVICE LINES SHALL BE MARKED IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DRAWING SD 512. SERVICE LINE MARKERS SHALL REMAIN IN PLACE DURING CONSTRUCTION AND BE PRESENT FOR FINAL INSPECTION.
- PRIOR TO FINAL ACCEPTANCE, AFTER ALL UTILITIES ARE IN AND PRIOR TO PAVING, AN AIR TEST SHALL BE CONDUCTED. THE CONTRACTOR SHALL CONTACT THE CITY OF BOISE A MINIMUM OF 24 HOURS PRIOR TO TESTING. ALL MANHOLES SHALL BE TESTED IN ACCORDANCE WITH THE ISPCW AND BOISE CITY'S MODIFICATIONS.
- THE SEWER CONTRACTOR SHALL SUPPLY ALL LID ASSEMBLIES AND THE REQUIRED NUMBER OF RISER AND GRADE RINGS. THE SEWER CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF THE TOP OF THE MANHOLE CONE TO ASSURE THAT RING ELEVATIONS MATCH FINAL STREET GRADES. THE MAXIMUM HEIGHT OF THE GRADE RINGS SHALL BE SUCH THAT THE FINISH GRADE ELEVATION OF THE MANHOLE FRAME AND COVER SHALL NOT BE MORE THAN TWENTY-ONE (21) INCHES ABOVE THE TOP OF THE MANHOLE CONE.
- THE PAVING CONTRACTOR SHALL SET THE GRADE RINGS AND POUR THE CONCRETE COLLARS PER STANDARD DRAWING NO. SD 508.
- THE PAVING CONTRACTOR SHALL CONTACT ACHD 24 HOURS PRIOR TO POURING CONCRETE COLLARS.
- THE HORIZONTAL SEPARATION OF THE WATER AND SEWER MAINS SHALL BE A MINIMUM OF TEN (10) FEET, WHERE IT IS NECESSARY FOR SEWER AND WATER TO CROSS EACH OTHER AND THE SEWER LINE IS LESS THAN 18 INCHES BELOW OR ABOVE THE WATER MAIN, THE SEWER LINE CROSSING SHALL BE P.V.C. PRESSURE PIPE CONFORMING TO AWWA C-900 OR ASTM D2241, FOR A DISTANCE OF 10' ON BOTH SIDES OF WATER LINE. ONE FULL LENGTH OF BOTH WATER MAIN AND SEWER LINE SHALL BE CENTERED OVER THE CROSSING POINT SO THAT ALL JOINTS WILL BE AS FAR FROM THE CROSSING AS POSSIBLE.
- GROUNDWATER LEVELS SHALL BE MAINTAINED BELOW THE BOTTOM OF THE TRENCH DURING THE PIPE LAYING AND PIPE JOINING OPERATIONS. ALL MANHOLES LOCATED WITHIN LIMITS OF SEASONAL GROUNDWATER SHALL HAVE THE EXTERIOR OF ALL CONCRETE SURFACES COATED WITH TWO COATS OF COAL TAR EPOXY.
- THE TRENCH BACKFILL ABOVE THE PIPE ZONE WILL BE INSPECTED BY THE ACHD OR BY THE DEVELOPER'S ENGINEER IN ACCORDANCE WITH THE LATEST EDITION OF THE "CONSTRUCTION QUALITY ASSURANCE MANUAL". COMPACTION TESTS ARE REQUIRED IN THE BACKFILL ABOVE THE PIPE ZONE, WITHIN PUBLIC RIGHT-OF-WAY, ACCORDING TO ACHD REQUIREMENTS AND THE RESULTS SHALL BE SUBMITTED TO BOISE CITY PUBLIC WORKS DEPARTMENT AND ACHD PRIOR TO FINAL ACCEPTANCE.
- ALL STATIONING RELATES TO THE GRAVITY SEWER CENTERLINE.
- THE SEWER MAIN SHALL BE TESTED FOR DEFLECTION IN ACCORDANCE WITH THE ISPCW AND BOISE CITY'S MODIFICATIONS. ALL SEWER LINES SHALL BE TESTED WITH A CLOSED CIRCUIT TELEVISION CAMERA IN ACCORDANCE WITH THE ISPCW AND BOISE CITY'S MODIFICATIONS. NO STANDING WATER SHALL BE PRESENT.
- THE BOISE CITY PUBLIC WORKS DEPARTMENT MAY TEST THE COMPACTION OF THE SEWER PIPELINE BEDDING. TESTING WILL BE DONE BY AN INDEPENDENT TESTING LABORATORY. THE COST OF THE FIRST TEST WILL BE PAID BY THE BOISE CITY PUBLIC WORKS DEPARTMENT. IF THE FIRST TEST FAILS TO MEET REQUIRED COMPACTION, ALL RE-TESTING SHALL BE PAID BY THE SEWER CONTRACTOR. THE CONTRACTOR SHALL CONTACT THE BOISE CITY PUBLIC WORKS DEPARTMENT AND/OR TESTING LABORATORY TO SCHEDULE THE TESTS PRIOR TO ANY PIPE LAYING AND BACKFILLING.
- SEWER CONSTRUCTION WILL MEET SPECIFIC DETAILS AND REQUIREMENTS OF THE FOLLOWING IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION:
 - STANDARD MANHOLE - TYPE A, DRAWING NO. SD-501.
 - STANDARD SHALLOW MANHOLE, DRAWING NO. SD-505.
 - MANHOLE COLLAR DETAIL, DRAWING NO. SD-508.
 - MANHOLE COVER & FRAME, DRAWING NO. SD-507.
 - STANDARD SEWER SERVICE LINE, DRAWING NO. SD-511-A.
 - SEWER SERVICE MARKER, DRAWING NO. SD-512.
 - THE CONTRACTOR SHALL LEAVE THE EXCAVATION FOR THE UPSTREAM END OF ALL SERVICE LINES OPEN FOR FIELD VERIFICATION OF THE INVERT ELEVATION BY THE CITY'S INSPECTOR. THE CONTRACTOR SHALL NOT BACKFILL THE ENDS OF SERVICE LINES UNTIL HE HAS OBTAINED APPROVAL FROM BOISE CITY'S INSPECTOR OR MADE OTHER ARRANGEMENTS FOR THE VERIFICATION OF SERVICE LINE INVERT ELEVATIONS.
 - THE CONTRACTOR SHALL PROVIDE BOISE CITY'S INSPECTOR WITH "CUT SHEETS" FOR THE STAKING PROVIDED FOR CONSTRUCTION OF THE SANITARY SEWER. "CUT SHEETS" SHALL BE PROVIDED TO THE CITY PRIOR TO CONSTRUCTION. ADDITIONALLY, TEMPORARY BENCH MARKS MUST BE PROVIDED TO THE BOISE CITY DEPARTMENT OF PUBLIC WORKS, INSPECTION SECTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - THE CONTRACTOR SHALL INSTALL A REMOVABLE PLUG UPSTREAM OF SSMH SW55806 BETWEEN SSMH SW55806 AND SSMH SW55808. THIS PLUG SHALL REMAIN IN PLACE DURING CONSTRUCTION UNTIL FINAL ACCEPTANCE OF THIS SEWER PROJECT.
 - THE CONTRACTOR SHALL CONSTRUCT THE SANITARY SEWER IN ACCORDANCE WITH THE STAMPED PLANS APPROVED BY THE BOISE CITY PUBLIC WORKS DEPARTMENT. THESE PLANS WILL BE PROVIDED TO THE CONTRACTOR BY THE PROJECT INSPECTOR PRIOR TO CONSTRUCTION. WORK SHALL NOT BE DONE WITHOUT THE CURRENT SET OF APPROVED PLANS.
 - PRIOR TO CONSTRUCTION, TEMPORARY BENCHMARKS (TBM'S) SHALL BE SET IN THE FIELD BY A LICENSED SURVEYOR OR ENGINEER AND SHALL BE FLAGGED AND CLEARLY VISIBLE FROM ALL DIRECTIONS. A TBM SHALL BE LOCATED WITHIN 100-FEET OF TIE-IN TO EXISTING SEWER AND SPACED NO GREATER THAN 500-FEET ALONG THE SEWER ALIGNMENT THERE AFTER. TBM'S SHALL HAVE ELEVATIONS TIED TO THE NAVD 1988 DATUM.

WATER

1. SEE UNITED WATER PLAN FOR ALL WATER SYSTEM CONSTRUCTION.

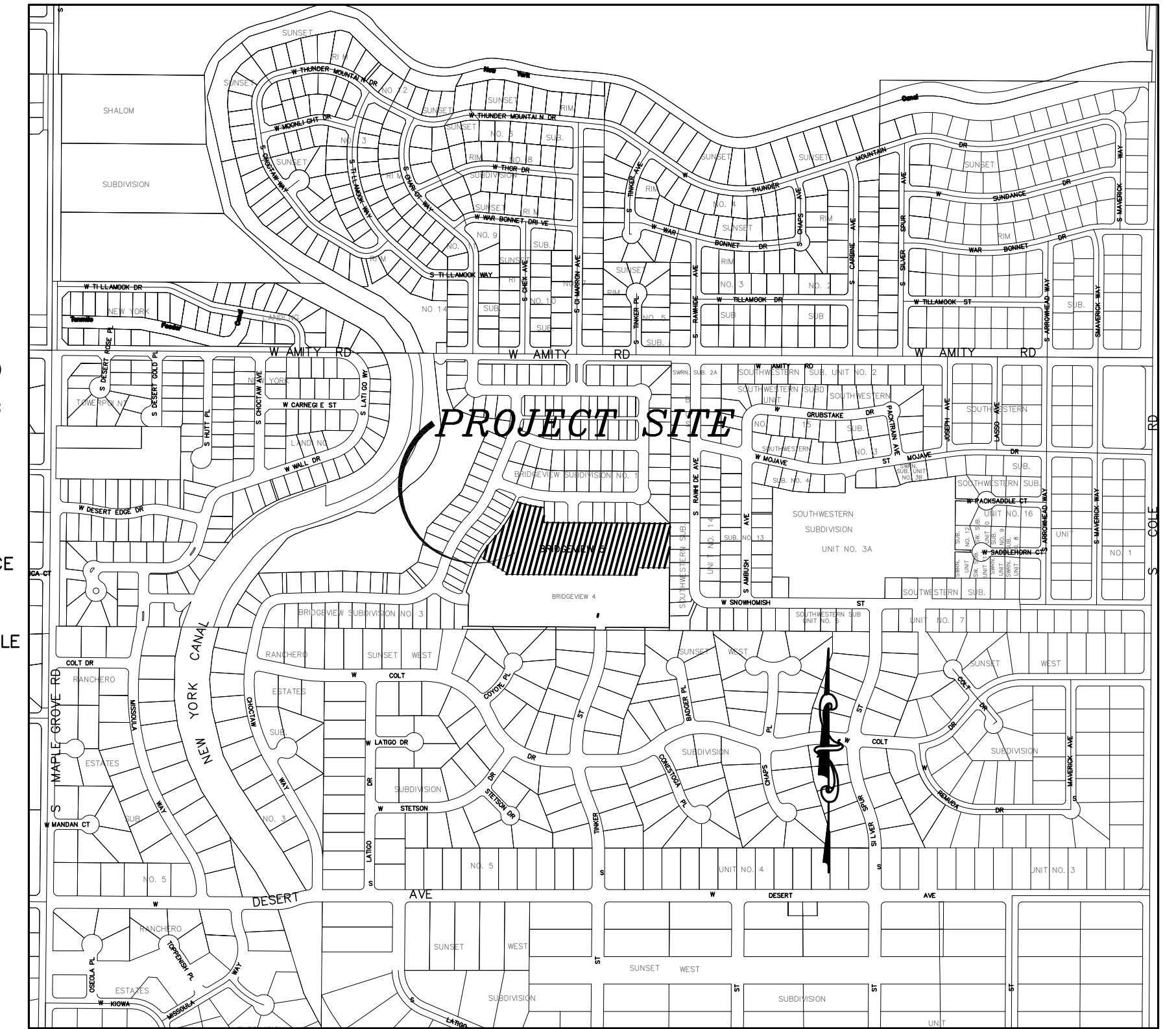


GENERAL LEGEND

- SS - EXISTING SEWER LINE
- W - EXISTING WATER LINE
- SD - NEW STORM DRAIN
- W - NEW WATER LINE
- S - NEW SEWER LINE
- PI - NEW PRESSURE IRRIGATION LINE W/SERVICE
- - - - - EXISTING FENCE
- - - - - EXISTING EDGE OF PAVEMENT
- - - - - NEW EDGE OF PAVEMENT
- - - - - SAW CUT LINE
- - - - - BOUNDARY LINE
- - - - - ROADWAY CENTER LINE
- - - - - ROADWAY RIGHT-OF-WAY
- - - - - EASEMENT BOUNDARY
- - - - - LOT LINE
- - - - - EXISTING CONTOUR
- - - - - FINAL GRADE CONTOUR
- ELEVATION @ STATION
- CURB (TOP BACK OF ROLLED CURB UNLESS OTHERWISE NOTED)
- TVC = TOP BACK VERTICAL CURB
- TRLC = TOP REVERSE LIP CURB
- RC = TOP RIBBON CURB
- PC = POINT OF CURVATURE
- PT = POINT OF TANGENCY
- FL = GUTTER FLOW LINE
- GB = GRADE BREAK
- GC = GRADE CHANGE
- EI = END INVERT SEWER SERVICE
- - SANITARY SEWER MANHOLE
- - EXISTING SANITARY SEWER MANHOLE
- - - - - 4" SEWER SERVICE LINE
- - - - - TYPICAL WATER SERVICE
- - PROPOSED FIRE HYDRANT
- - EXISTING FIRE HYDRANT
- - LOT NUMBER
- - CATCH BASIN - ACHD SD-604A W/12" SUMP
- - STORM DRAIN MANHOLE ISPCW SD-611 W/2' SUMP
- - DIRECTION OF DRAINAGE FLOW
- ☼ - STREET LIGHT
- ⊙ - EXISTING DECIDUOUS TREE (CALIPER)
- - EXISTING POWER LINE & POLE
- ▲ - PEDESTRIAN RAMP PER ISPCW SD-712A. DETECTABLE WARNING PER SD712 WITH TRUNCATED DOMES UNLESS OTHERWISE NOTED. DOMES SHALL BE CAST INTO THE CONCRETE (ADHESIVE MATS NOT ALLOWED) AND SHALL BE COLORED YELLOW.

DEVELOPMENT PLANS FOR BRIDGEVIEW SUBDIVISION NO. 5

A PORTION OF THE NW 1/4 OF SECTION 36 T.3N., R.1E., B.M., ADA COUNTY, IDAHO 2013



PLAN SHEET INDEX

SHEET	DESCRIPTION
1	COVER SHEET, INDEX, VICINITY MAP, & NOTES
2	FINAL PLAT (2A-2C)
3	SITE GRADING PLAN
4	STREET PLAN & PROFILE
5	SEWER PLAN & PROFILE
6	UNITED WATER PLAN

Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer ensures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY: _____ DATE: _____
ADA COUNTY HIGHWAY DISTRICT



REVISED NO.	DATE	DESCRIPTION
1.	02-17-2013	BCPW,ACHD,UWI COMMENTS

Bailey Engineering, Inc.
Civil Engineering | Planning | CADD
4242 N. BROOKSIDE LANE TEL: 208-938-0013
BOISE, ID 83714 dbailey@baileyengineers.com

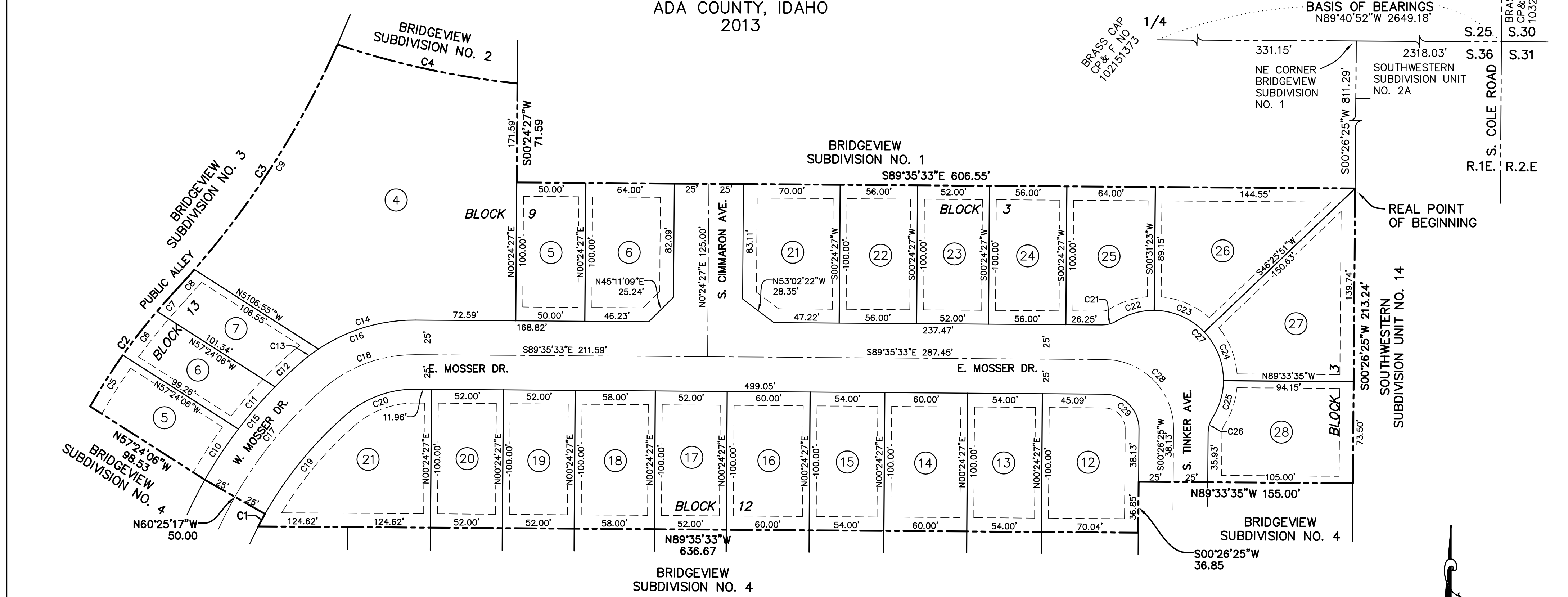
DRAWN BY: DAB CHECKED BY: DAVID A. BAILEY P.E. PROJECT: C2012-002 DATE: 01-28-2013

COVER SHEET
BRIDGEVIEW SUBDIVISION NO. 5
HEARTLAND HOMES LLC

SHEET 1

DEVELOPER
HEARTLAND HOMES, LLC.
2358 S. TITANIUM
MERIDIAN, ID 83680
TEL: 208-895-8858
FAX: 208-985-0714

PLAT SHOWING
BRIDGEVIEW SUBDIVISION NO. 5
 A PORTION OF THE N 1/2 OF THE N 1/2
 OF SECTION 36, T.3N., R.1E., B.M.
 ADA COUNTY, IDAHO
 2013



Notes:

- A ten (10) foot wide permanent public utilities, property drainage and Boise City street light easement is hereby designated along all lot lines common to a public Right-Of-Way. A five (5) foot wide irrigation, public utilities and property drainage easement is hereby designated along each side of interior lot lines as shown. A ten (10) foot wide permanent public utilities and property drainage easement is hereby designated along rear lot lines.
- This development recognizes Idaho Code Section 22-4503, right to farm act, which states: "No agricultural facility or an expansion thereof shall be or become a nuisance, private or public, by any changed conditions in or about the surrounding nonagricultural activities after it has been in operation for more than one (1) year, when the operation, facility or expansion was not a nuisance at the time it began or was constructed. The provisions of this section shall not apply when a nuisance results from the improper or negligent operation of an agricultural operation, agricultural facility or expansion thereof."
- Any resubdivision of this Plat shall comply with the applicable zoning regulations in effect at the time of resubdivision.
- Lot 4, Block 9 is a common lots which shall be owned and maintained by the Bridgeview Homeowner's Association. All common lots are subject to a blanket public utility easement.
- Bridgeview Subdivision No. 5 is subject to Ada County Development Agreement recorded as Instrument No. 105107502 at the Ada County Recorders office. Said Development Agreement is valid until such time as the City of Boise acts on the owner's request to annex the property.
- Annexation to the City of Boise has been requested and the City of Boise may annex this subdivision at any time in the future.
- No permits shall be issued on any lots in this subdivision until the provisions of recorded Instrument No. _____ have been fulfilled as determined by the City of Boise.

Curve Table					
Curve #	Radius	Length	Chord	Bearing	Delta
C1	275.00	10.25	10.25	N28°30'39"E	2°08'07"
C2	442.00	103.17	102.94	N36°21'03"E	13°22'27"
C3	641.02	215.11	214.10	N33°25'27"E	19°13'38"
C4	606.17	133.46	133.19	S77°48'59"E	12°36'53"
C5	442.00	44.02	44.00	N32°31'00"E	5°42'22"
C6	442.00	40.19	40.18	N37°58'29"E	5°12'35"
C7	442.00	18.96	18.96	N41°48'31"E	2°27'30"
C8	641.00	21.58	21.58	N42°04'25"E	1°55'43"
C9	641.02	193.53	192.80	N32°27'35"E	17°17'55"
C10	325.00	44.04	44.00	S33°27'38"W	7°45'50"

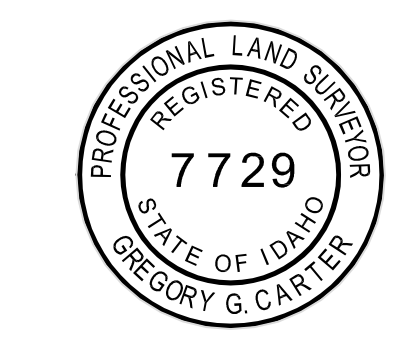
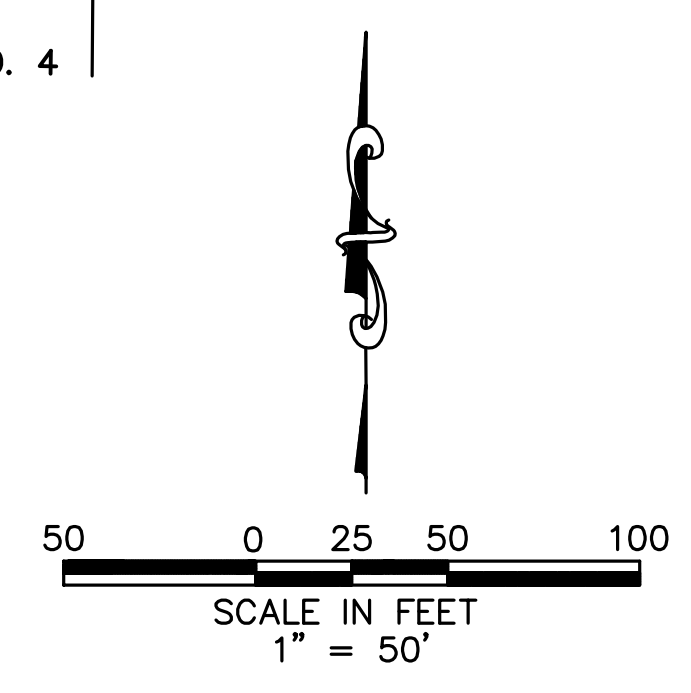
Curve Table					
Curve #	Radius	Length	Chord	Bearing	Delta
C11	325.00	40.45	40.42	S40°54'29"W	7°07'52"
C12	325.00	25.66	25.66	S46°44'09"W	4°31'28"
C13	125.00	16.11	16.10	S52°41'25"W	7°23'05"
C14	125.00	74.23	73.14	S73°23'42"W	34°01'30"
C15	325.00	110.15	109.63	S39°17'18"W	19°25'10"
C16	125.00	90.34	88.39	S69°42'10"W	41°24'35"
C17	300.00	101.68	101.19	N39°17'18"E	19°25'10"
C18	100.00	72.27	70.71	N69°42'10"E	41°24'35"
C19	275.00	93.21	92.76	S39°17'18"W	19°25'10"
C20	75.00	54.21	53.03	S69°42'10"W	41°24'35"

Curve Table					
Curve #	Radius	Length	Chord	Bearing	Delta
C21	20.00	11.24	11.09	S74°18'22"W	32°12'10"
C22	50.50	28.38	28.01	S74°18'22"W	32°12'10"
C23	50.50	40.56	39.48	N66°34'51"W	46°01'24"
C24	50.50	38.79	37.84	N21°33'52"W	44°00'34"
C25	50.50	28.38	28.01	N16°32'30"E	32°12'10"
C26	20.00	11.24	11.09	N16°32'30"E	32°12'10"
C27	50.50	136.12	98.50	N44°34'34"W	154°26'18"
C28	50.00	78.57	70.73	S44°34'34"E	90°01'58"
C29	25.00	39.28	35.37	N44°34'34"W	90°01'58"

- This subdivision is subject to an existing Avigation easement Instrument No. 9030217.
- Lots 5 through 7, Block 13 shall take vehicular access from the Public Alley as shown.
- This land was formerly an Owyhee Sewer District Sewage Facility
- The land within this plat is not within an Irrigation District as defined in Idaho Code 31-3805 and the requirements of I.C. 31-3805 are not applicable.
- All lots in this phase are subject to the Covenants, Conditions and Restrictions for Bridgeview Subdivision No. 1 Inst. No. 107113657 and as may be modified by future amendments.

LEGEND

- SUBDIVISION BOUNDARY
- SECTION LINE
- EASEMENT LINE (SEE NOTE 1)
- STREET CENTERLINE
- LOT LINE
- ② LOT NUMBER
- FOUND BRASS CAP MONUMENT
- FOUND 5/8" IRON PIN, PLS 7729 OR AS NOTED
- FOUND 1/2" IRON PIN, PLS 4431 OR AS NOTED
- SET 5/8" x 24" IRON PIN WITH PLASTIC CAP, PLS 7729
- SET 1/2" x 24" IRON PIN WITH PLASTIC CAP, PLS 4431
- △ CALCULATED POINT



GREGORY G. CARTER, PLS 7729
 IDAHO SURVEY GROUP
 1450 E. WATER TOWER STREET, STE. 150
 MERIDIAN, ID 83642

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 BOISE, ID 83642 www.baileyengineers.com

TOTAL # LOTS: 24

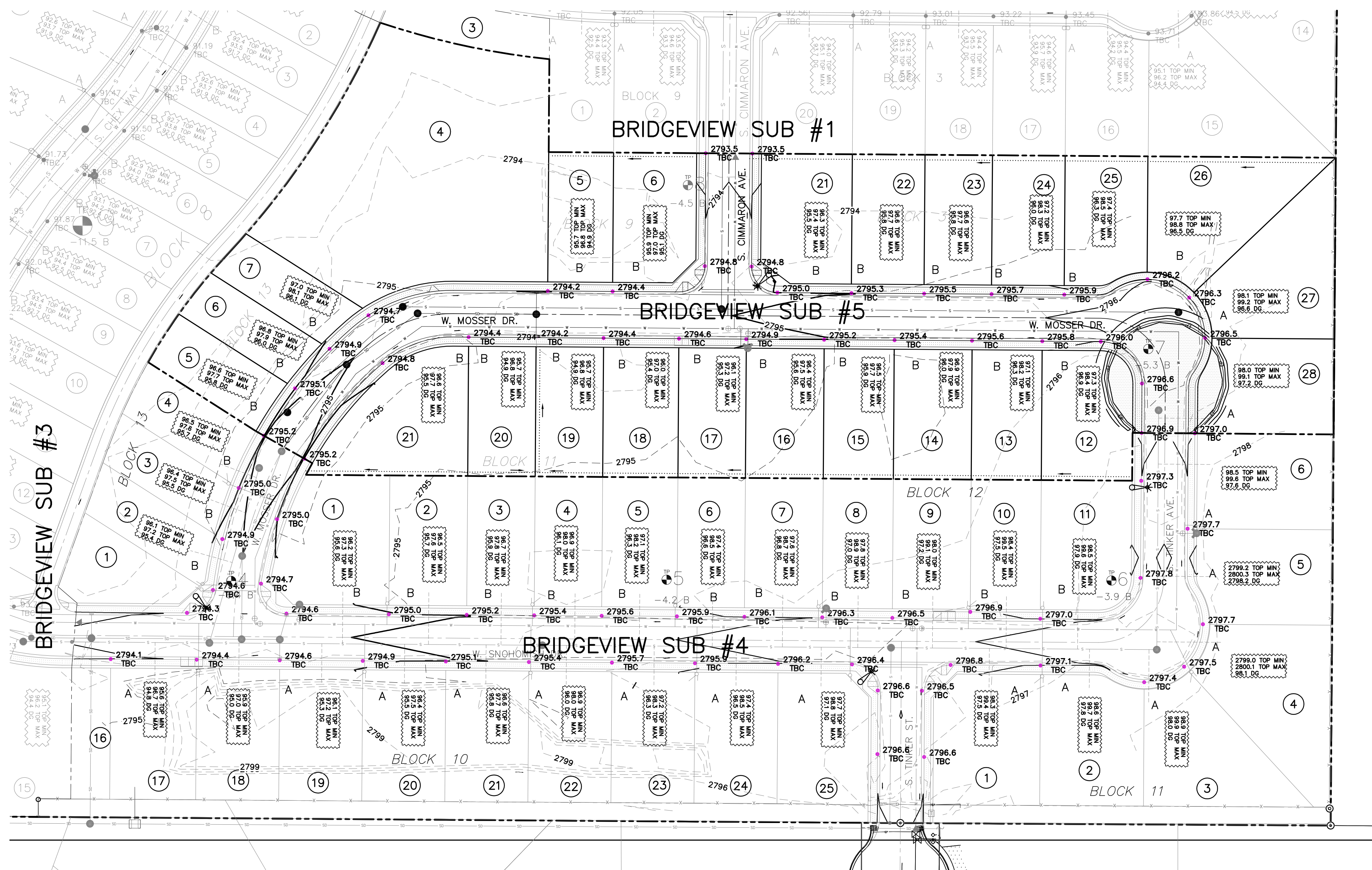
NO.	DATE	DESCRIPTION

DRAWN BY: DAB CHECKED BY: DAVID A. BAILEY P.E. PROJECT: C2012-002 DATE: 01-28-2013

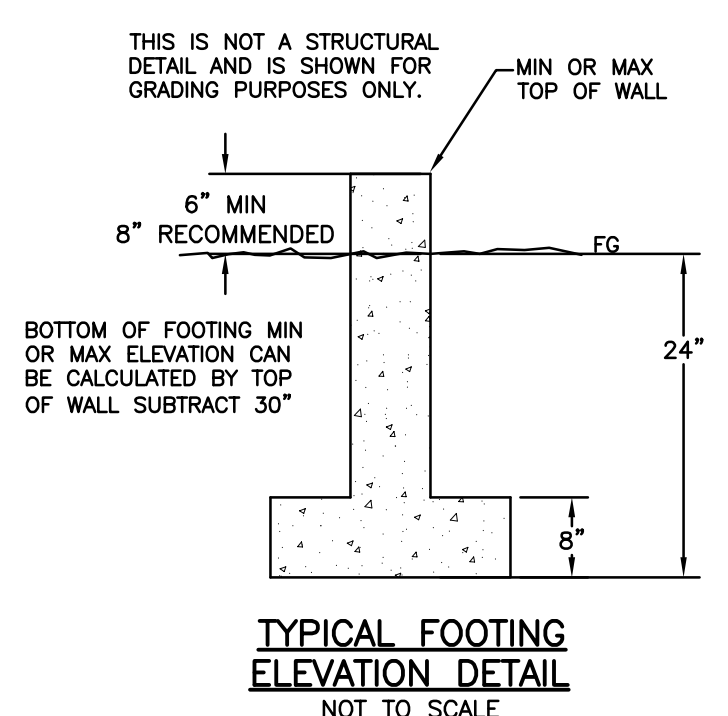
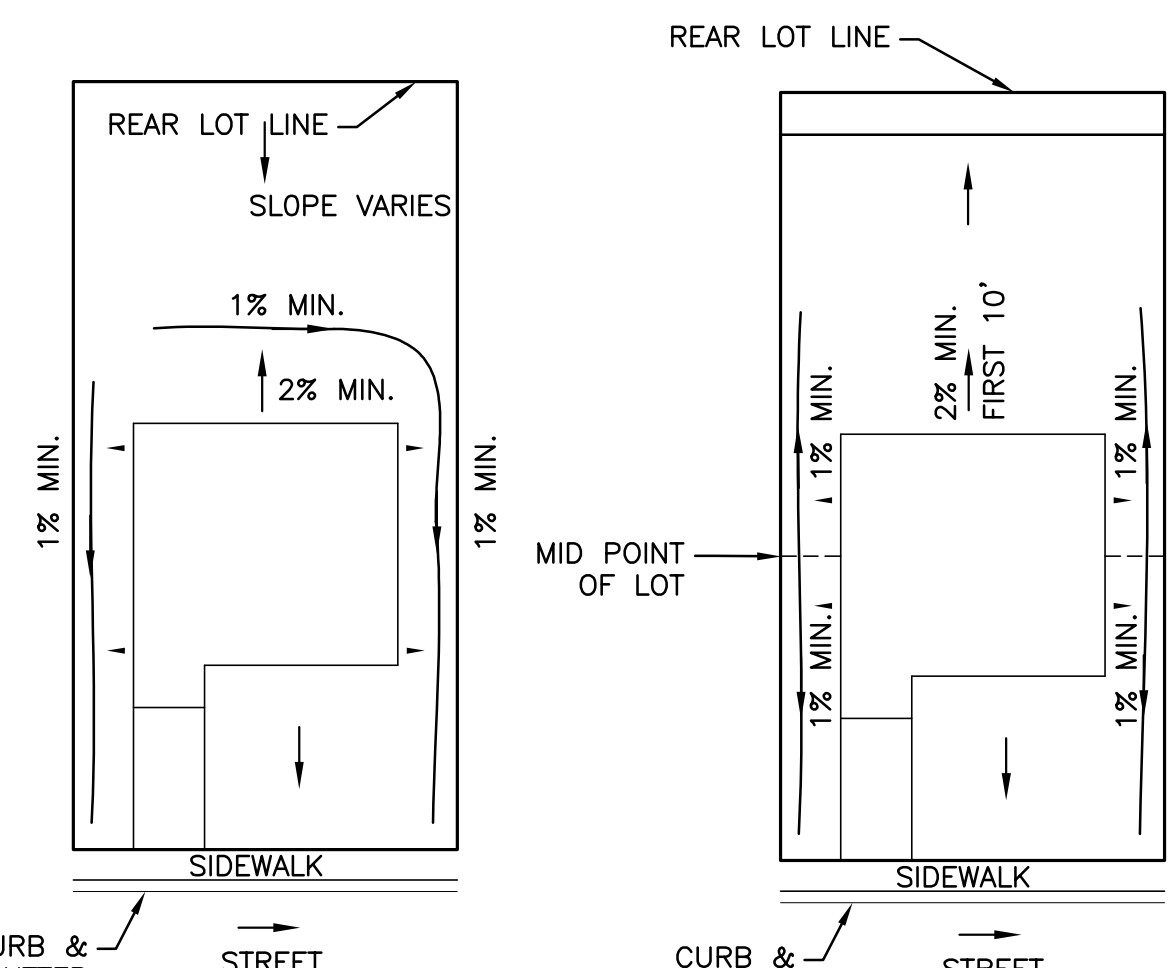
Bailey Engineering, Inc.
 CIVIL ENGINEERING | PLANNING | CADD
 4242 N. BROOKSIDE LANE TEL 208-938-0013
 BOISE, ID 83714 dbailey@baileyengineers.com

BRIDGEVIEW SUBDIVISION NO. 5
 HEARTLAND HOMES LLC

SHEET 2A



- LEGEND**
- PROPERTY LINE
 - - - BUILDING SETBACKS
 - - - LOT SWALE (1% MIN)
 - CURB AND GUTTER
 - 2700- EXISTING CONTOURS
 - 2700- FINISHED GRADE CONTOURS
 - EDGE OF PAVEMENT
 - SPOT ELEVATION EXISTING GRADE TOP BACK OF CURB
 - TOP OF STEM WALL MIN/MAX GRADING PLAN DESIGN GRADE
 - DIRECTION OF SHEET FLOW
 - A LOT DRAINAGE TYPE
 - ⊕ APPROXIMATE TEST PIT LOCATION AND DEPTH TO BASALT - FROM MTI REPORT

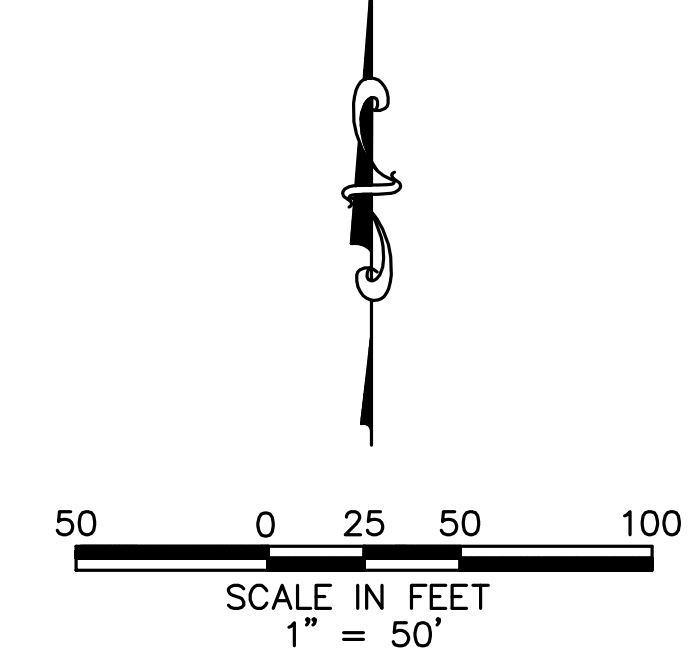


- NOTES:**
- THE BUILDING ENVELOPES ARE BASED ON THE CITY OF BOISE SETBACKS APPROVED WITH THE BRIDGEVIEW SUBDIVISION DEVELOPMENT.
 - THE MINIMUM TOP OF STEM WALL ELEVATIONS ARE BASED ON A 6" REVEAL, A 6" DROP IN THE FIRST TEN FEET, AND THEN 2% TO THE LOWEST TOP BACK OF CURB FOR THE LOT.
 - FOUNDATIONS MAY BE STEPPED A MAXIMUM OF 2 FEET.
 - REAR YARD SWALES SHOULD BE NO CLOSER THAN 10 FEET FROM THE STRUCTURE.
 - THE BUILDING CONTRACTOR SHALL REVIEW & FOLLOW FOUNDATION & CRAWL SPACE RECOMMENDATIONS IN THE GEOTECHNICAL ENGINEERING REPORT BY MTI DATED NOVEMBER 22, 2004.
 - EACH BUILDER SHALL CONTINUE SWALE FOR APPLICABLE TYPE 'B' DRAINAGE LOTS WITH BACKYARD SWALES.
 - EXCEPTIONS TO THIS GRADING PLAN MAY BE APPROVED BY A BUILDING OFFICIAL REPRESENTING ADA COUNTY AT ISSUANCE OF A BUILDING PERMIT BASED UPON REVIEW OF AN ENGINEERED INDIVIDUAL LOT GRADING PLAN.

NOTE:
ENTIRE SITE GRADING WAS DONE DURING PHASE 1 CONSTRUCTION. NO MAJOR GRADING SHOULD BE REQUIRED WITH THIS PHASE OF CONSTRUCTION.

SITE GRADING

- THE CONTRACTOR SHALL REVIEW AND FOLLOW THE RECOMMENDATIONS PROVIDED IN THE GEOLOGY AND GEOTECHNICAL ENGINEERING REPORT PREPARED BY MATERIALS TESTING AND INSPECTION (MTI) DATED OCTOBER 15, 2003.
- ORGANIC OR DISTURBED SOILS, IF ENCOUNTERED, SHALL BE REMOVED TO DEPTHS OF 1 FOOT (MINIMUM), AND WASTED OR STOCKPILED FOR USE IN FINE GRADING.
- WHERE STRUCTURAL FILL WILL BE PLACED, EXISTING HIGHLY PLASTIC CLAYS AND ALL DEBRIS CONTAINING FILL SOILS SHALL BE COMPLETELY REMOVED FROM THE SUBGRADE
- EXACT REMOVAL DEPTHS OF ORGANIC OR PLASTIC CLAY MATERIALS SHALL BE DETERMINED DURING GRADING OPERATIONS BY A QUALIFIED GEOTECHNICAL REPRESENTATIVE AND/OR THE PROJECT ENGINEER, AND SHALL BE BASED ON SUBGRADE SOIL TYPE, COMPOSITION, AND FIRMINESS OR SOIL STABILITY.
- ALL MATERIAL USED FOR STRUCTURAL FILL SHALL MEET THE REQUIREMENTS FOR STRUCTURAL FILL AS DESCRIBED IN THE GEOLOGY AND GEOTECHNICAL REPORT.
- STRUCTURAL FILL SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOLOGY AND GEOTECHNICAL REPORT AND COMPACTION SHALL BE SUPERVISED BY A QUALIFIED GEOTECHNICAL REPRESENTATIVE AND/OR THE PROJECT ENGINEER.
- ALL STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557. ONE IN-PLACE DENSITY TEST PER LIFT SHALL BE CONDUCTED FOR EVERY 5000 SQUARE FEET OF LIFT AREA.
- SHALLOW EXCAVATIONS THAT DO NOT EXCEED 4 FEET MAY BE CONSTRUCTED WITH SIDE SLOPES APPROACHING VERTICAL. BELOW THIS DEPTH, SLOPES SHALL NOT EXCEED 1 FOOT VERTICAL TO 1 FOOT HORIZONTAL.
- FINAL SITE GRADES (CUT OR FILL) SHALL NOT EXCEED 1 FOOT VERTICAL TO 2 FEET HORIZONTAL UNLESS APPROVED BY PROJECT ENGINEER.
- PRIOR TO PLACEMENT OF STRUCTURAL FILL, THE GROUND SHALL BE PREPARED IN ACCORDANCE WITH THE IBC AND AS DESCRIBED IN THE MTI GEOLOGY AND GEOTECHNICAL REPORT.
- ALL FINAL GRADING SHALL EMPLOY SLOPE ROUNDING AT TOPS OF SLOPES AND AT CHANGES IN HORIZONTAL SLOPE ALIGNMENT TO FACILITATE REVEGETATION AND PROVIDE AN AESTHETICALLY ACCEPTABLE APPEARANCE.
- DURING ALL GRADING OPERATIONS AND UNTIL THE ESTABLISHMENT OF PERMANENT REVEGETATION, THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

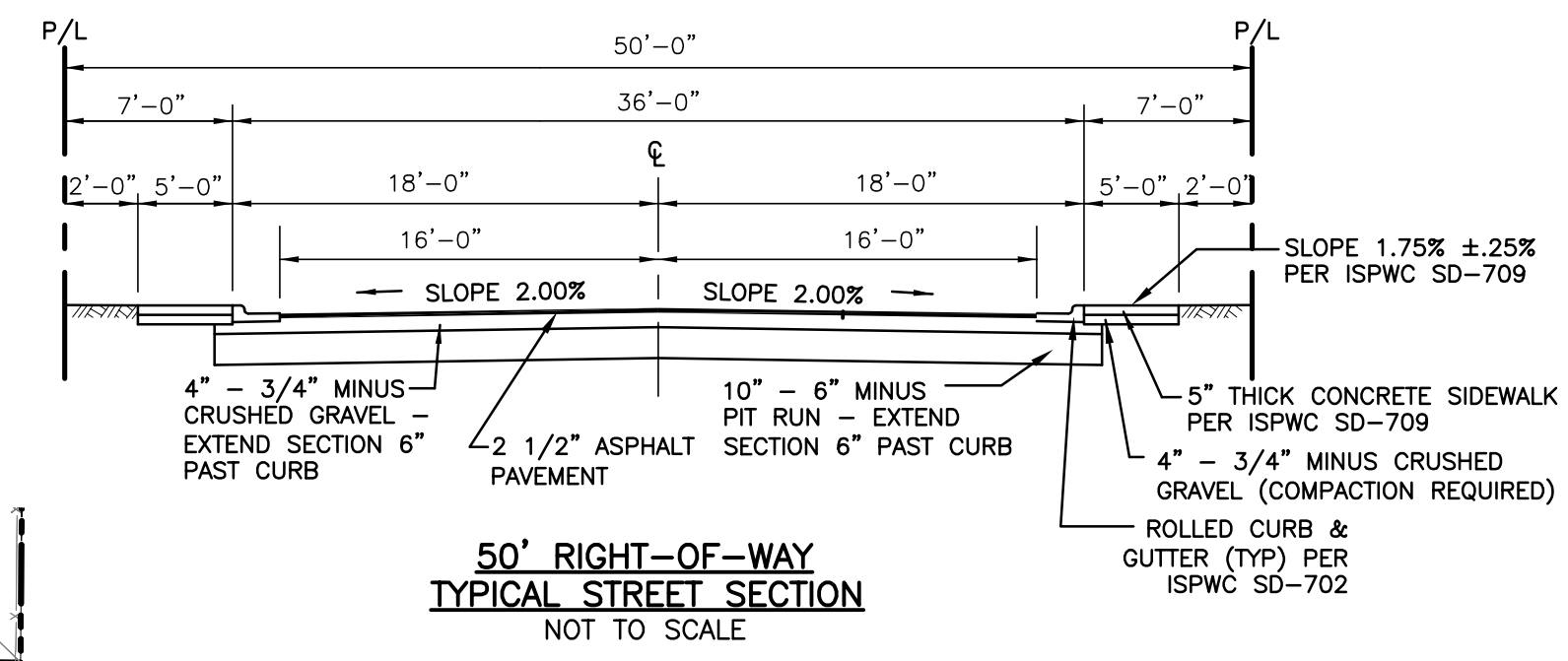
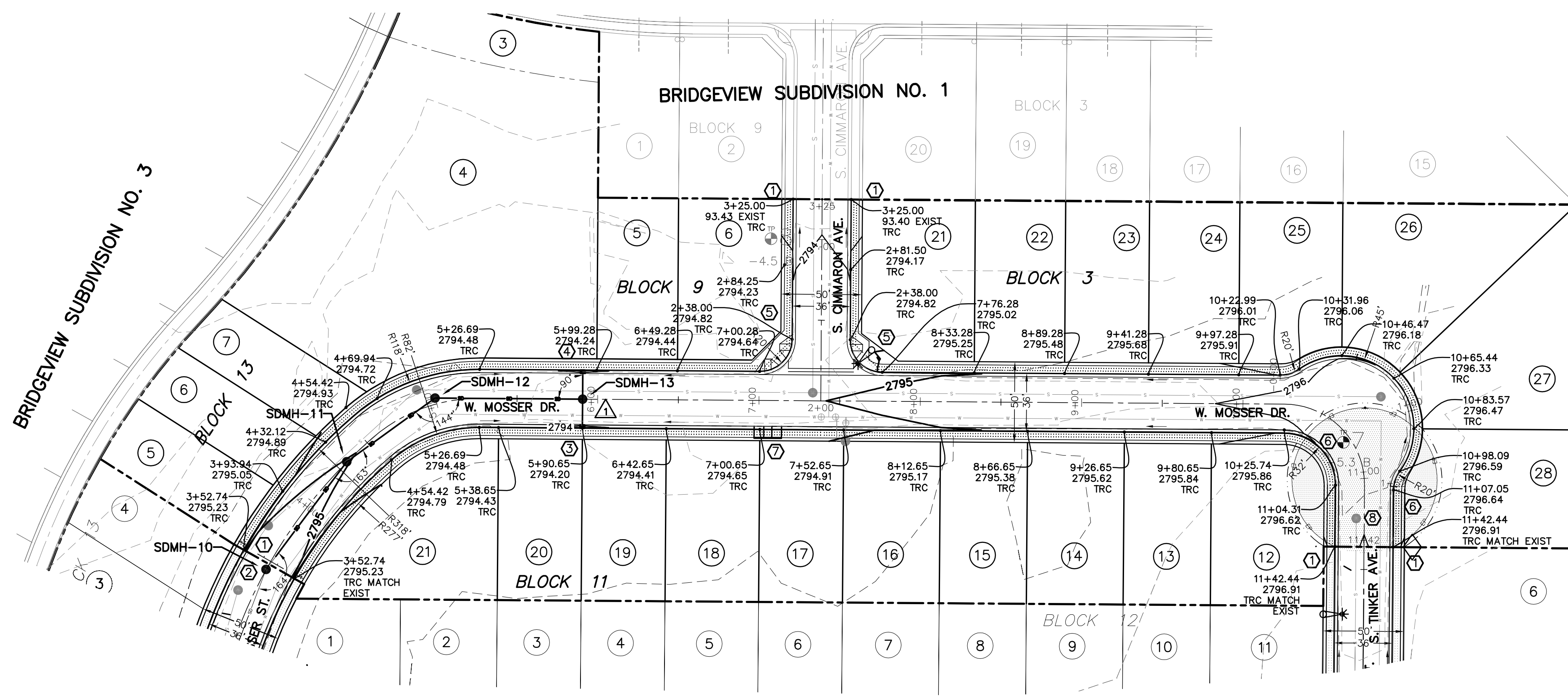


Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer ensures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY: _____ DATE: _____
ADA COUNTY HIGHWAY DISTRICT

REVISED NO. DATE DESCRIPTION	<p>CIVIL ENGINEERING PLANNING CADD 4242 N. BROOKSIDE LANE TEL: 208-938-0013 BOISE, ID 83714 www.baileyengineers.com</p>
DRAWN BY: DAB	
CHECKED BY: DAVID A. BAILEY P.E.	
PROJECT NO. C2012-002 DATE: 01-28-2013	
MASTER GRADING PLAN	
BRIDGEVIEW SUBDIVISION NO. 5	
HEARTLAND HOMES LLC	
SHEET 3	



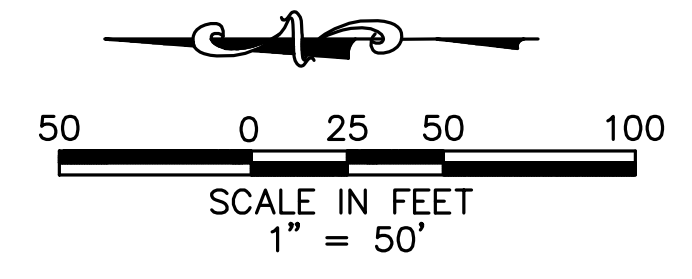
SOUTHWESTERN SUBDIVISION

- KEYNOTES**
- ① MATCH EXIST. CURB FIELD. VERIFY PRIOR TO CONSTRUCTION. SAWCUT EXIST. ASPHALT (2" MINIMUM) AS REQUIRED TO MAINTAIN SMOOTH TRANSITION. REMOVE EXISTING BARRIERS.
 - ② PROTECT IN PLACE EXIST. STORM DRAIN FACILITIES
 - ③ CB #13A - 2791.23 INV. 16 LF. 12" SDR-35 @ 0.81% W/1' SUMP PER ACHD SD-604A (QP=2.30 cfs)
 - ④ CB #13B - 2791.23 INV. 16 LF. 12" C-900 @ 0.81% W/1' SUMP PER ACHD SD-604A (QP=2.75 cfs) (COMBINED SDMH-13 PEAK 5.04 cfs)
 - ⑤ CONST. PEDESTRIAN RAMP PER I.S.P.W.C. SD-712A.
NOTE: ADA STANDARDS REQUIRE THAT CROSS SLOPES SHALL NOT EXCEED 2% ON ANY PEDESTRIAN RAMP OR SIDEWALK - ACHD WILL NOT ALLOW ANY TOLERANCE FROM THIS REQUIREMENT.
 - ⑥ REMOVE EXISTING ASPHALT TURNAROUND AND DISPOSE OF OFFSITE.
 - ⑦ CONST. MIDBLOCK PEDESTRIAN RAMP PER ISPCW SD 712G
 - ⑧ PROTECT EXISTING SEWER. ADJUST MANHOLE TO GRADE AND CONSTRUCT COLLAR.

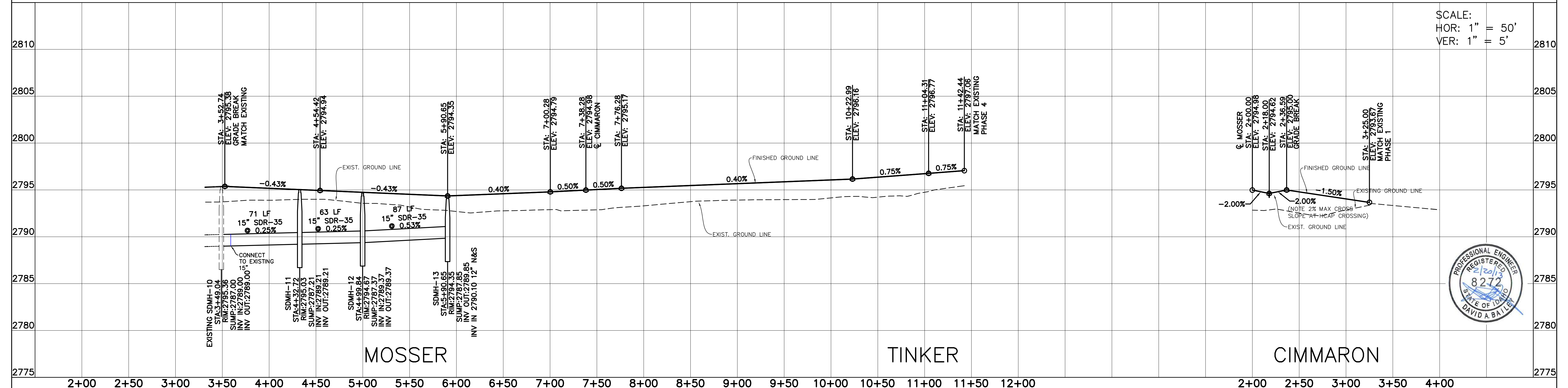
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BY: _____ DATE: _____
ADA COUNTY HIGHWAY DISTRICT



NOTE:
ALL PEDESTRIAN RAMPS SHALL HAVE TRUNCATED DOMES. DOMES SHALL BE CAST INTO CONCRETE (ADHESIVE MATS NOT ALLOWED) AND SHALL BE PAINTED TRAFFIC YELLOW.



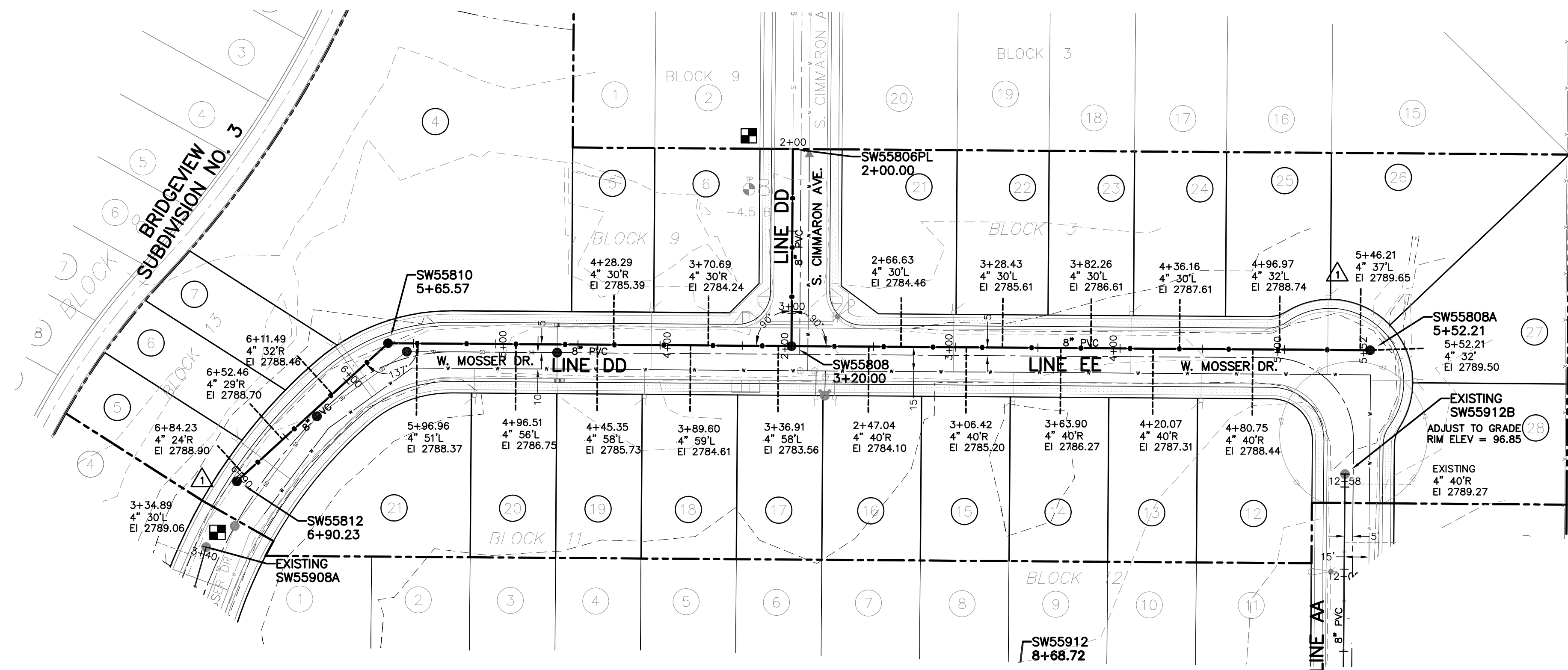
SCALE:
HOR: 1" = 50'
VER: 1" = 5'



NO.	DATE	DESCRIPTION
1.	02-17-2013	ACHD COMMENTS

Bailey Engineering, Inc.
CIVIL ENGINEERING | PLANNING | CADD

DRAWN BY: DAB | CHECKED BY: DAVID A. BAILEY P.E. | PROJECT NO. C2012-002 | DATE: 01-28-2013
STREET PLAN AND PROFILE
BRIDGEVIEW SUBDIVISION NO. 5
HEARTLAND HOMES LLC



SOUTHWESTERN SUBDIVISION

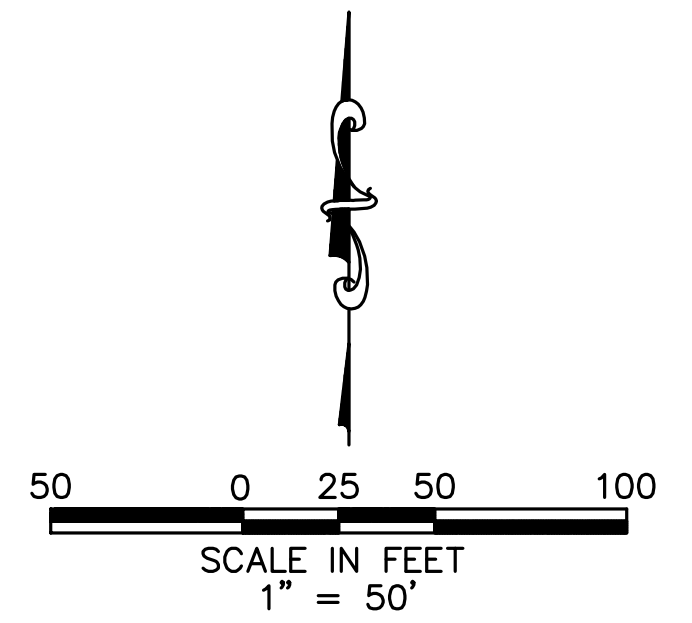
BENCH MARKS ■
 TBM #1 ELEV. 2793.43 TOP BACK EXISTING CURB SE CORNER LOT 2 BLOCK 9.
 TBM #2 ELEV. 2795.09 EXISTING SSMH SW55908A NORTH END OF MOSSER PHASE 4.

NOTE:
 * SERVICES PASSING THROUGH SEEPAGE BEDS SHALL BE SLEEVED. SLEEVES SHALL EXTEND 5' BEYOND EACH SIDE OF TRENCH AND HAVE END SEALS INSTALLED ON BOTH ENDS. END SEALS MFG. BY "PSI" OR EQUIVALENT.

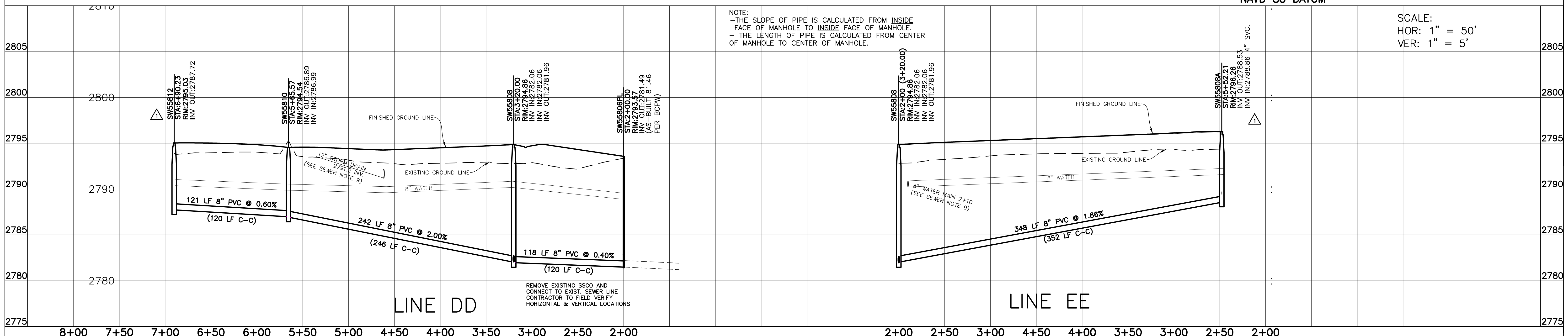
Plans Are Accepted For Public Street Construction

By stamping and signing the improvement plans, the Registered Engineer ensures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

BY _____ DATE: _____
 ADA COUNTY HIGHWAY DISTRICT



FOR WATER SEE UNITED WATER PLAN NAVD 88 DATUM



NOTE:
 -THE SLOPE OF PIPE IS CALCULATED FROM INSIDE FACE OF MANHOLE TO INSIDE FACE OF MANHOLE.
 - THE LENGTH OF PIPE IS CALCULATED FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.

SCALE:
 HOR: 1" = 50'
 VER: 1" = 5'

REMOVE EXISTING ISSCO AND CONNECT TO EXIST. SEWER LINE CONTRACTOR TO FIELD VERIFY HORIZONTAL & VERTICAL LOCATIONS

NO.	DATE	DESCRIPTION
1.	02-17-2013	BCPW COMMENTS LOWER SERVICES

Bailey Engineering, Inc.
 CIVIL ENGINEERING | PLANNING | CADD

DRAWN BY: DAB	CHECKED BY: DAVID A. BAILEY P.E.	PROJECT NO. C2012-002	DATE: 01-28-2013
SEWER PLAN AND PROFILE			SHEET
BRIDGEVIEW SUBDIVISION NO. 5			5
HEARTLAND HOMES LLC			

