

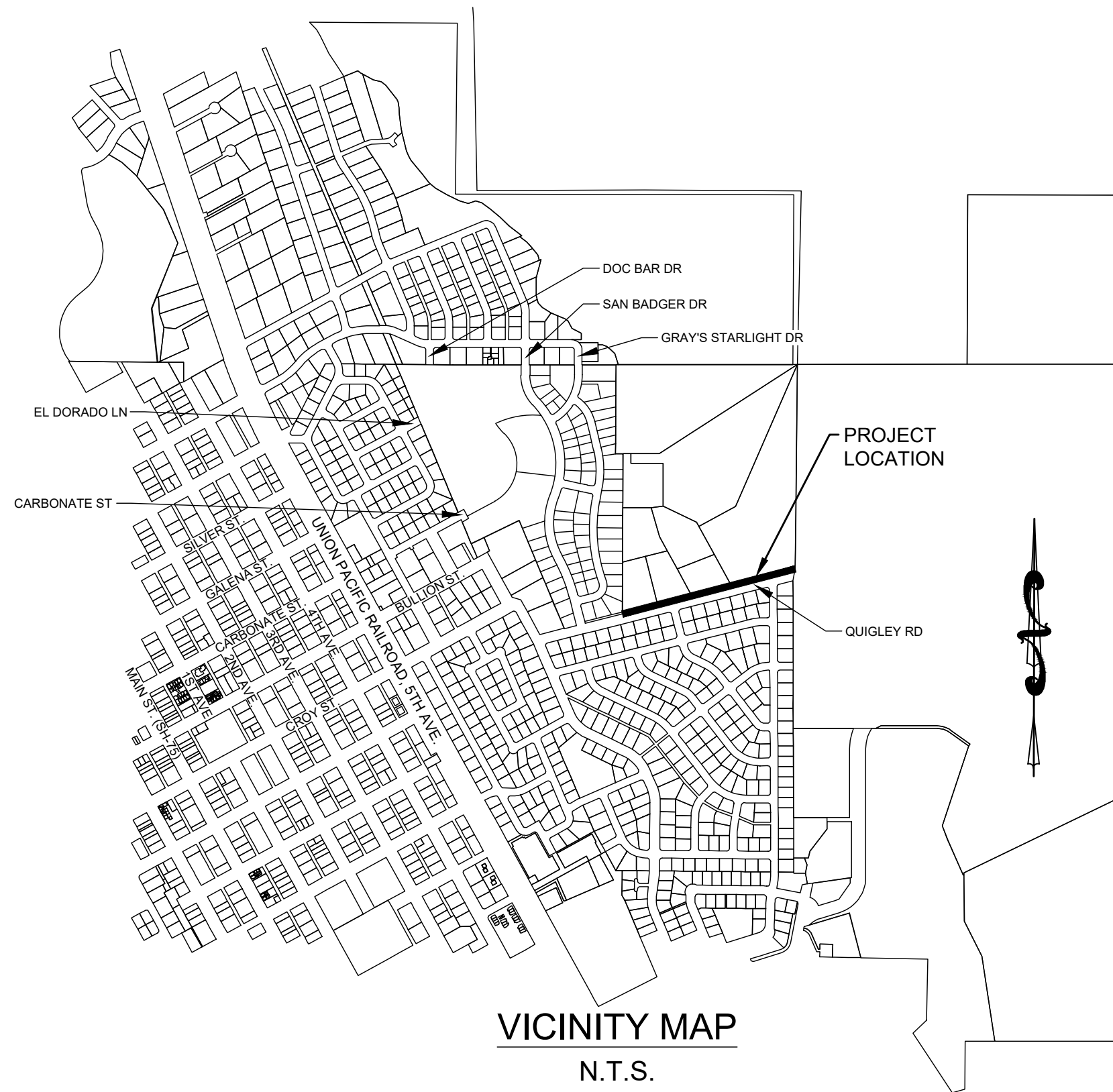
QUIGLEY ROAD BIKE PATH PROJECT 2023

HAILEY, IDAHO

AUGUST 2023

GENERAL CONSTRUCTIONS NOTES

- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE MOST CURRENT EDITION OF THE "IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION" (ISPCW) AND CITY OF HAILEY STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND KEEPING A COPY OF THE ISPCW AND CITY OF HAILEY STANDARDS ON SITE DURING CONSTRUCTION.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS IN AN APPROXIMATE WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO COMMENCING AND DURING THE CONSTRUCTION. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH RESULT FROM HIS FAILURE TO ACCURATELY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL CALL DIGLINE (1-800-342-1585) TO LOCATE ALL EXISTING UNDERGROUND UTILITIES A MINIMUM OF 48 HOURS IN ADVANCE OF EXCAVATION.
- CONTRACTOR SHALL COORDINATE RELOCATIONS OF DRY UTILITY FACILITIES (POWER, CABLE, PHONE, TV) WITH THE APPROPRIATE UTILITY FRANCHISE.
- THE CONTRACTOR SHALL CLEAN UP THE SITE AFTER CONSTRUCTION SO THAT IT IS IN A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION (THIS INCLUDES, BUT IS NOT LIMITED TO, ENCROACHMENT PERMITS AND NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT (CGP) PERMIT COVERAGE.
- ALL CLEARING & GRUBBING SHALL CONFORM TO ISPCW SECTION 201.
- ALL EXCAVATION & EMBANKMENT SHALL CONFORM TO ISPCW SECTION 202. SUBGRADE SHALL BE EXCAVATED AND SHAPED TO LINE, GRADE, AND CROSS-SECTION SHOWN ON THE PLANS. THE SUBGRADE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-698. THE CONTRACTOR SHALL WATER OR AERATE SUBGRADE AS NECESSARY TO OBTAIN OPTIMUM MOISTURE CONTENT. IN-LIEU OF DENSITY MEASUREMENTS, THE SUBGRADE MAY BE PROOF-ROLLED TO THE APPROVAL OF THE ENGINEER.
 - PROOF-ROLLING:** AFTER EXCAVATION TO THE SUBGRADE ELEVATION AND PRIOR TO PLACING COURSE GRAVEL, THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE WITH A 5-TON SMOOTH DRUM ROLLER, LOADED WATER TRUCK, OR LOADED DUMP TRUCK, AS ACCEPTED BY THE ENGINEER. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF UNSUITABLE SUBGRADE MATERIAL AREAS, AND/OR AREAS NOT CAPABLE OF COMPACTION ACCORDING TO THESE SPECIFICATIONS. UNSUITABLE OR DAMAGED SUBGRADE IS WHEN THE SOIL MOVES, PUMPS AND/OR DISPLACES UNDER ANY TYPE OF PRESSURE INCLUDING FOOT TRAFFIC LOADS.
 - IF, IN THE OPINION OF THE ENGINEER, THE CONTRACTOR'S OPERATIONS RESULT IN DAMAGE TO, OR PROTECTION OF, THE SUBGRADE, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR THE DAMAGED SUBGRADE BY OVER-EXCAVATION OF UNSUITABLE MATERIAL TO FIRM SUBSOIL, LINE EXCAVATION WITH GEOTEXTILE FABRIC, AND BACKFILL WITH PIT RUN GRAVEL.
- ALL 2" MINUS GRAVEL SHALL CONFORM TO ISPCW 802, TYPE II (ITD STANDARD 703.04, 2"), SHALL BE PLACED IN CONFORMANCE WITH ISPCW SECTION 801 AND COMPACTED PER SECTION 202. MINIMUM COMPACTION OF PLACED MATERIAL SHALL BE 90% OF MAXIMUM LABORATORY DENSITY AS DETERMINED BY AASHTO T-99.
- ALL 3/4" MINUS CRUSHED GRAVEL SHALL CONFORM TO ISPCW 802, TYPE I (ITD STANDARD 703.04, 3/4" B), SHALL BE PLACED IN CONFORMANCE WITH ISPCW SECTION 802 AND COMPACTED PER SECTION 202. MINIMUM COMPACTION OF PLACED MATERIAL SHALL BE 95% OF MAXIMUM LABORATORY DENSITY AS DETERMINED BY AASHTO T-99 OR ITD T-91.
- ALL ASPHALTIC CONCRETE PAVEMENT WORK SHALL CONFORM TO ISPCW SECTION(S) 805, 810, AND 811 FOR CLASS II PAVEMENT. ASPHALT AGGREGATE SHALL BE 1/2" (13MM) NOMINAL SIZE CONFORMING TO TABLE 803B IN ISPCW SECTION 803. ASPHALT BINDER SHALL BE PG 58-28 CONFORMING TO TABLE A-1 IN ISPCW SECTION 805.
- ASPHALT SAWCUTS SHALL BE AS INDICATED ON THE DRAWINGS, OR 24" INCHES FROM EDGE OF EXISTING ASPHALT, IF NOT INDICATED OTHERWISE SO AS TO PROVIDE A CLEAN PAVEMENT EDGE FOR MATCHING. NO WHEEL CUTTING SHALL BE ALLOWED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL PER THE CURRENT EDITION OF THE US DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL TRENCHING SHALL CONFORM TO ISPCW STANDARD DRAWING SD-301. TRENCHES SHALL BE BACKFILLED AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
- PER IDAHO CODE § 55-1613, THE CONTRACTOR SHALL RETAIN AND PROTECT ALL MONUMENTS, ACCESSORIES TO CORNERS, BENCHMARKS AND POINTS SET IN CONTROL SURVEYS; ALL MONUMENTS, ACCESSORIES TO CORNERS, BENCHMARKS AND POINTS SET IN CONTROL SURVEYS THAT ARE LOST OR DISTURBED BY CONSTRUCTION SHALL BE REESTABLISHED AND RE-MONUMENTED, AT THE EXPENSE OF THE AGENCY OR PERSON CAUSING THEIR LOSS OR DISTURBANCE AT THEIR ORIGINAL LOCATION OR BY SETTING OF A WITNESS CORNER OR REFERENCE POINT OR A REPLACEMENT BENCHMARK OR CONTROL POINT, BY OR UNDER THE DIRECTION OF A PROFESSIONAL LAND SURVEYOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A MATERIALS TESTING COMPANY DURING CONSTRUCTION TO VERIFY ALL COMPACTION AND MATERIAL PLAN AND SPECIFICATION REQUIREMENTS ARE MET. TESTING LOCATION AND FREQUENCY SHALL MEET ISPCW AND ADA COUNTY HIGHWAY DISTRICT (ACHD) REQUIREMENTS. REPORTS SHALL BE SUBMITTED TO THE ENGINEER WITHIN TWO WEEKS OF TESTING.



LEGEND	
— RW —	Right-of-way
— PL —	Property Line
— CL —	City Limits
— 5' —	5' Contour Interval
— 1' —	1' Contour Interval
— FLD —	Flow Line of Creek/Ditch
— X —	Fence Line
— EOA —	Asphalt
— C —	Concrete
— GD —	Gravel Drive
— EG —	Edge of Gravel
— BP —	Buried Power
— PB —	Power Box
— S —	Sewer Main
— SS —	Sewer Service
— SM —	Sewer Manhole
— 12"W —	12" Water Main
— 8"W —	8" Water Main
— 6"W —	6" Water Main
— WS —	Water Service
— OM —	Water Meter
— FH —	Fire Hydrant
— WV —	Water Valve
— S —	Sign
— TV —	TV Vault
— GM —	Gas Meter
— CTR —	Cable TV Riser
— TR —	Telephone Riser
— MB —	MB = Mailbox
— CT —	Conifer Tree
— DT —	Deciduous Tree

SHEET INDEX

SHEET#	DESCRIPTION
C0.10	COVER SHEET
C0.20	EXISTING SITE CONDITIONS
C0.30	DEMOLITION PLAN
C1.00	DETAIL SHEET
C1.10	SURVEY MONUMENT SHEET AND SITE GEOMETRY PLAN
C1.20–C1.40	PLAN AND PROFILE SHEETS

QUIGLEY ROAD BIKE PATH PROJECT 2023
AT DEERFIELD SUBD. NO. 3 & 4, AND MARVIN GARDENS
COVER SHEET
LOCATED WITHIN SECTION 10, T.2 N., R.18 E., B.M., CITY OF HAILEY, BLAINE COUNTY, IDAHO
PREPARED FOR: CITY OF HAILEY

PROJECT INFORMATION
C:\BNAH\City of Hailey\23188 Quigley Rd (B)ing\Construction\23188 ENG 2023\07-28.dwg 07/28/23 11:27:39 AM



DESIGNED BY: CT
DRAWN BY: CT
CHECKED BY: MS
SURVEY DATE: 05/24/23

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Civil Engineers & Land Surveyors
100 Bell Drive
P.O. Box 733
Ketchum, Idaho 83340
(208) 726-9512
www.benchmark-associates.com

CIVIL ENGINEER

MATT SMITHMAN, PE
GALENA-BENCHMARK ENGINEERING
PO BOX 733
100 BELL DRIVE
KETCHUM, IDAHO 83340

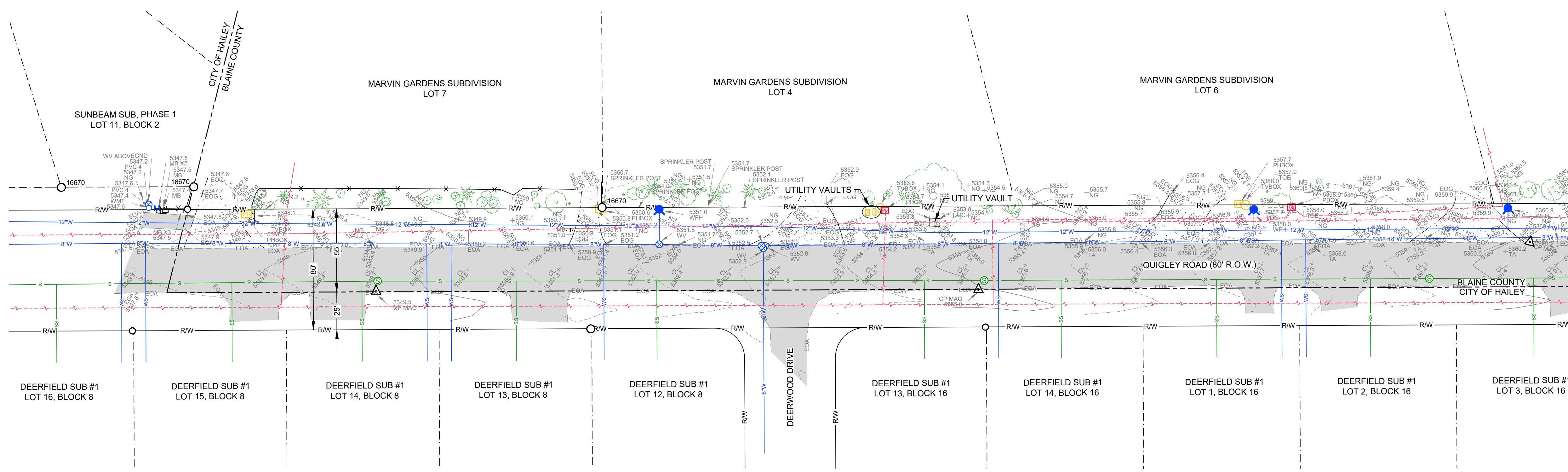
LAND SURVEYOR

ROBERT BREIER, PLS
GALENA-BENCHMARK ENGINEERING
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KETCHUM, IDAHO 83340

NO.	DATE	BY	REVISIONS

C0.10

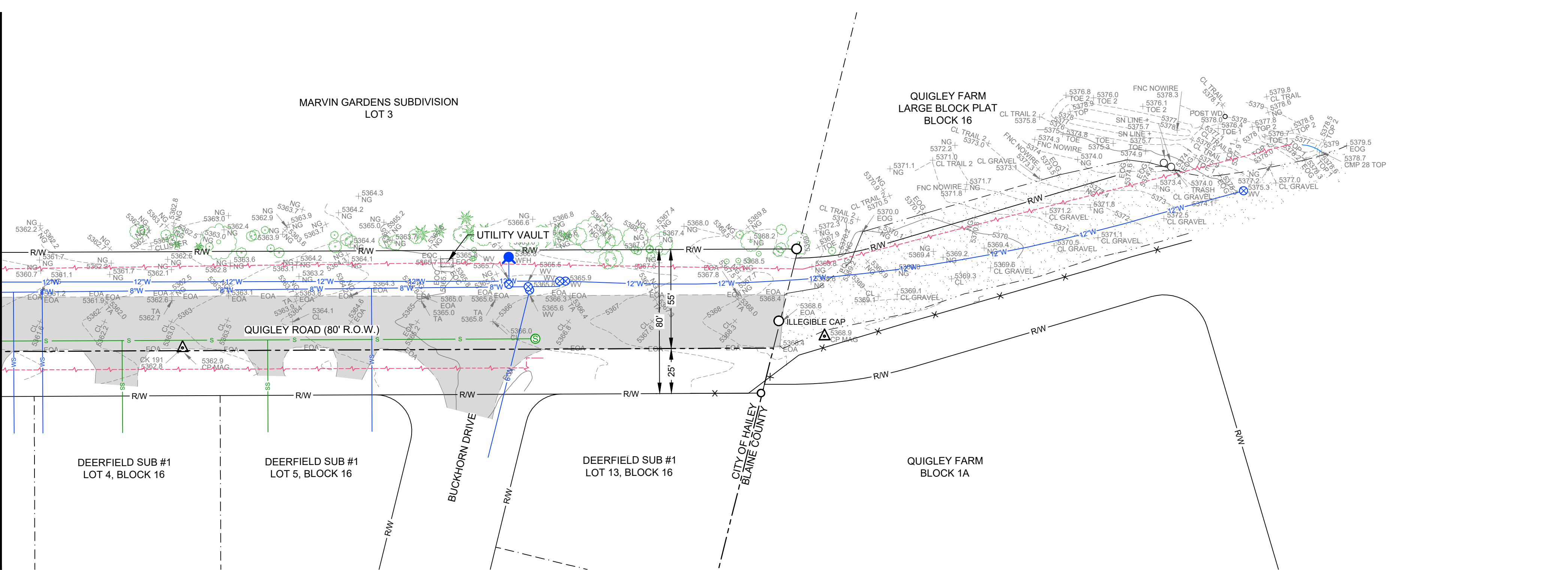
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MATCHLINE (SEE BELOW)

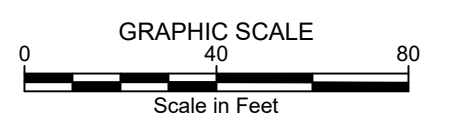
- NOTES**
- SURVEY NARRATIVE:**
- THE PURPOSE OF THIS MAP IS TO SHOW LIMITED SITE INFORMATION AS IT EXISTED ON THE DATE THE FIELD SURVEY WAS PERFORMED IN RELATION TO PLATTED LOT LINES. CHANGES MAY HAVE OCCURRED TO SITE CONDITIONS SINCE SURVEY DATE. LOT LINES ARE BASED ON FOUND MONUMENTS. ALL FOUND MONUMENTS WERE ACCEPTED AS EITHER ORIGINAL CORNERS OR REPLACEMENTS OF ORIGINAL CORNERS. SET MONUMENTS WERE ESTABLISHED USING PROPORTIONED DISTANCES AND BEARINGS.
 - REFERENCED SURVEYS: DEERFIELD SUBD. NO.4, INSTRUMENT NO. 371157, DEERFIELD SUBD. NO.5, INSTRUMENT NO. 379385, MARVIN GARDENS NO. 1 SUBD., INSTRUMENT NO. 209065, AND MARVIN GARDENS NO. 1 SUBD., LOTS 4, 5 & 6 AMENDED, INSTRUMENT NO. 217201.
 - BOUNDARY DIMENSIONS SHOWN HEREON ARE MEASURED. FOR RECORD DIMENSIONS, SEE REFERENCED SURVEYS.
 - VERTICAL DATUM: NAVD 88 (GEOID03).
 - UNDERGROUND UTILITIES WERE NOT LOCATED AND ARE NOT SHOWN HEREON.
 - THIS MAP WAS PREPARED FOR THE EXPRESS USE OF THE CLIENT AND IS NOT TRANSFERABLE TO OTHERS WITHOUT WRITTEN CONSENT BY GALENA-BENCHMARK ENGINEERING AND IS NOT VALID OR TO BE USED BY OTHER PARTIES FOR ANY REASON INCLUDING BUT NOT LIMITED TO REAL ESTATE TRANSACTIONS, BUILDING APPLICATIONS, PERMITS, ETC.
 - A TITLE POLICY HAS NOT BEEN SUBMITTED TO GALENA-BENCHMARK ENGINEERING. NOR HAS A TITLE SEARCH BEEN REQUESTED. CERTAIN INFORMATION CONTAINED WITHIN SAID POLICY MAY NOT APPEAR ON THIS MAP OR MAY AFFECT ITEMS SHOWN ON THIS MAP.
 - ELECTRONIC DATA: GALENA-BENCHMARK ENGINEERING ACCEPTS NO RESPONSIBILITY OR LIABILITY FOR THE REUSE, DISTRIBUTION OR ACCURACY OF DATA CONTAINED ON ELECTRONIC COPIES OF THIS DRAWING. THE STAMPED HARD COPY OF THIS DRAWING IS THE FINAL PRODUCT.
 - THIS DRAWING IS VOID AFTER 2 YEARS AND NO FURTHER COPIES OR DIGITAL FILES WILL BE TRANSMITTED.
- EASEMENTS, ENCUMBRANCES AND RESTRICTIONS:**
- BUILDING AREA: BUILDING ENVELOPE IF SHOWN, IS PER PLAT. SETBACK AND FOOTPRINT REQUIREMENTS PER CURRENT CITY/COUNTY ORDINANCES MAY VARY FROM PLAT. IT IS RECOMMENDED THAT SAID ORDINANCES BE REVIEWED PRIOR TO DESIGN.
 - GENERAL RESTRICTIONS: EXCEPT AS SPECIFICALLY STATED OR SHOWN ON THIS MAP, THIS SURVEY DOES NOT PURPORT TO REFLECT ANY OF THE FOLLOWING WHICH MAY APPLICABLE TO THE SUBJECT OF REAL ESTATE: EASEMENTS, OTHER THAN THOSE SHOWN OR LISTED HEREON, BUILDING SETBACK LINES, RESTRICTIVE COVENANTS, SUBDIVISION RESTRICTIONS, ZONING, WETLANDS, AVALANCHE OR ANY OTHER LAND-USE REGULATIONS OR HAZARDS.
- SURVEY AND SITE FEATURES:**
- BASIS OF BEARINGS IS IDAHO STATE PLANE COORDINATE SYSTEM, NAD83, CENTRAL ZONE AS DERIVED BY GPS OBSERVATIONS. ALL DISTANCES SHOWN ARE GROUND DISTANCES IN INTERNATIONAL FEET.
 - BOUNDARY LINES AND CERTAIN EASEMENTS SHOWN HEREON ARE PER PLAT. REFER TO PLAT & CC&R'S FOR CONDITIONS AND/OR RESTRICTIONS REGARDING THIS PROPERTY.
 - UTILITIES AND DRAIN PIPES IF SHOWN HEREON ARE PER SURFACE EVIDENCE ONLY. OTHER UNDERGROUND UTILITIES MAY EXIST. LOCATION OF UNDERGROUND UTILITIES AND SERVICES SHOULD BE CONFIRMED PRIOR TO EXCAVATION OR DESIGN.
 - BUILDING WALLS IF SHOWN HEREON ARE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
 - SPRINKLER HEADS AND IRRIGATION LINES ARE NOT SHOWN HEREON.
 - TREE LOCATIONS AND DRIP LINES IF SHOWN HEREON ARE APPROXIMATE.
 - CONTOUR INTERVAL: 1'
 - MAP SCALE: DUE TO ELECTRONIC MAP DELIVERY AND ALTERNATE PRINTING METHODS, PLEASE USE BAR SCALE TO DETERMINE ACTUAL PRINTED SCALE.
 - FEATURES OBSCURED FROM VIEW BY DEBRIS, SNOW, VEGETATION OR VEHICLES AT THE TIME OF SURVEY, DO NOT APPEAR ON THIS MAP.

MATCHLINE (SEE ABOVE)



LEGEND

- RW Right-of-way
- Property Line
- City Limits
- FD1/2 = Found 1/2" Rebar
- FD5/8 = Found 5/8" Rebar
- CNTRL = Survey Control
- 5' Contour Interval
- 1' Contour Interval
- FL = Flow Line of Creek/Ditch
- FNC = Fence Line
- EOA Asphalt
- Concrete
- Gravel Drive
- EOG = Edge Of Gravel
- Buried Power
- PBOX = Power Box
- Sewer Main
- Sewer Service
- Sewer Manhole
- 12" Water Main
- 8" Water Main
- 6" Water Main
- Water Service
- WMTR = Water Meter
- FH = Fire Hydrant
- WV = Water Valve
- SGN = Sign
- TV Vault
- GMTR = Gas Meter
- TVBOX = Cable TV Riser
- PHBOX = Telephone Riser
- MB = Mailbox
- CT = Conifer Tree
- DT = Deciduous Tree
- AP = Angle Point
- BEG = Beginning
- CLUST = Cluster
- CMP = Corrugated Metal Pipe
- EOA = Edge of Asphalt
- EOC = Edge of Concrete
- FL = Flow Line
- IC = Illegible Cap
- MH = Manhole
- NC = No Cap
- NG = Natural Ground
- PVC = Polyvinyl Chloride Pipe
- TA = Top of Asphalt
- TOE = Toe of Slope
- TOP = Top of Slope



QUIGLEY ROAD BIKE PATH PROJECT 2023
AT DEERFIELD SUBD. NO. 3 & 4, AND MARVIN GARDENS
EXISTING SITE CONDITIONS

LOCATED WITHIN SECTION 10, T.2 N., R.18 E., B.M., CITY OF HALEY, BLAINE COUNTY, IDAHO

PREPARED FOR: CITY OF HALEY



DESIGNED BY: IDV
 DRAWN BY: ROB
 CHECKED BY: ROB
 SURVEY DATE: 05/24/23

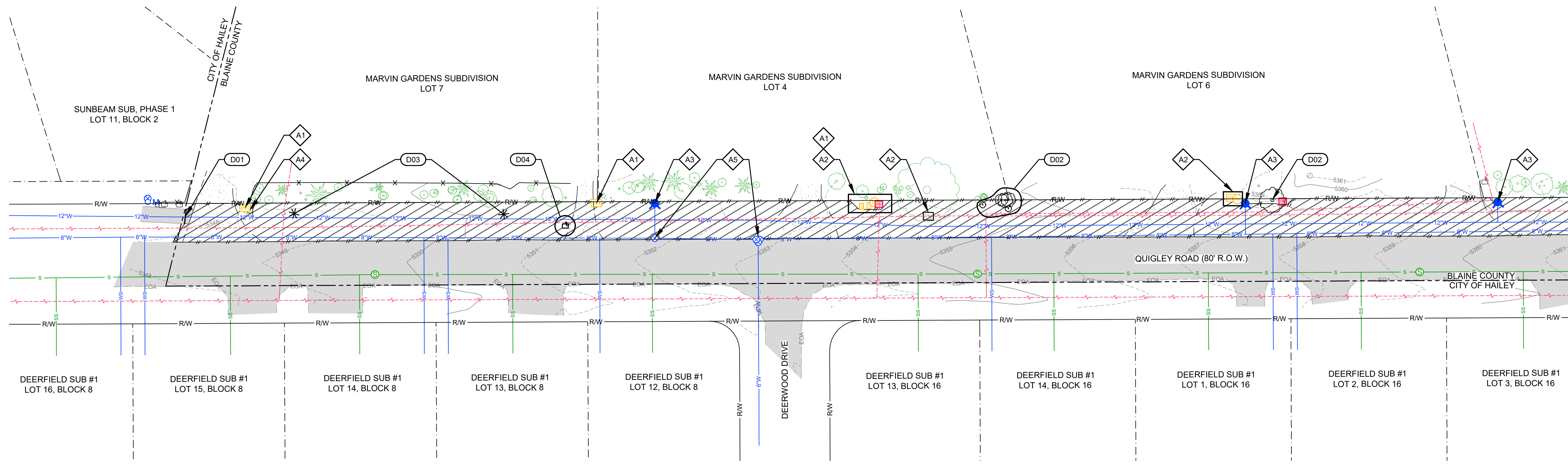
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 Civil Engineers & Land Surveyors
 100 Bell Drive
 P.O. Box 133
 Boise, Idaho 83740
 (208) 726-9512
 www.benchmark-associates.com

PURPOSE: TOPOGRAPHIC MAP

NO.	DATE	BY	REVISIONS

C0.20

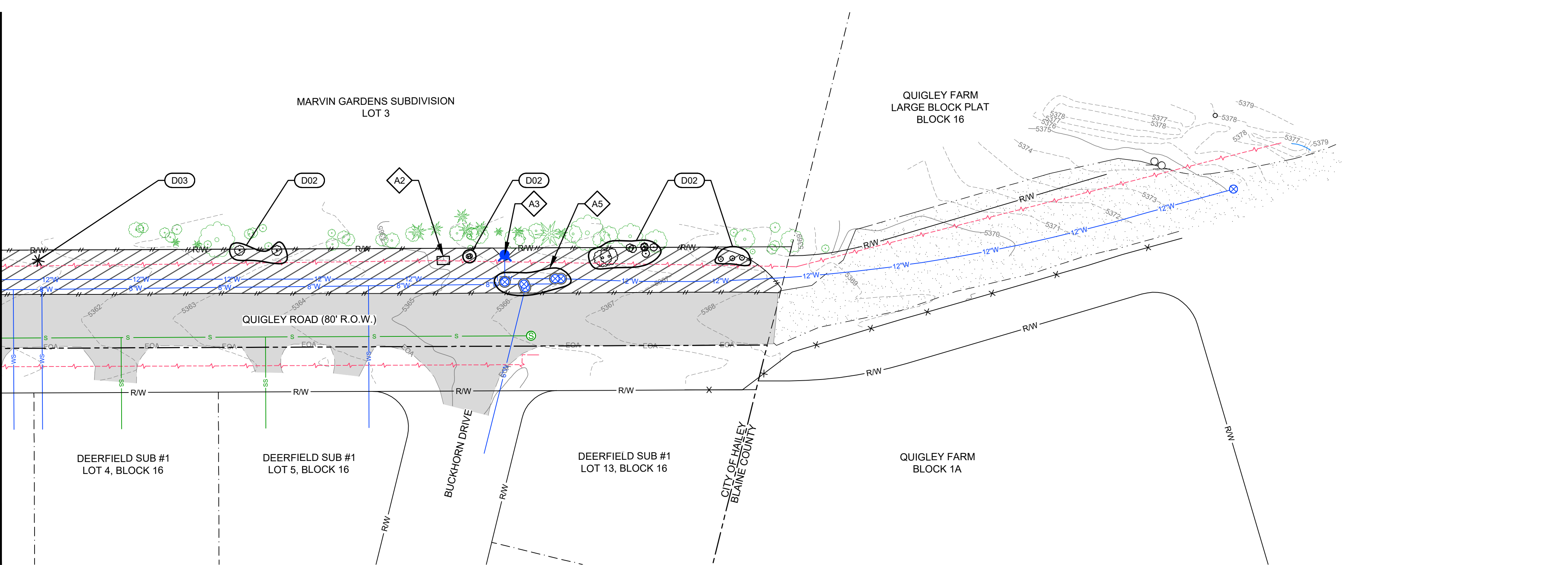
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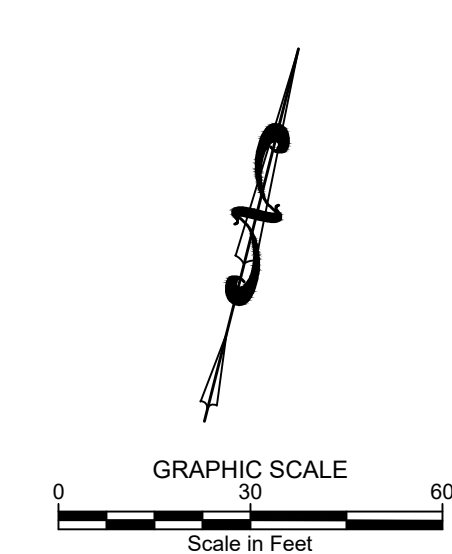
MATCHLINE (SEE BELOW)

- SITE DEMOLITION KEY NOTES**
- D01 SAWCUT EXISTING ASPHALT TO PROVIDE FOR A CLEAN VERTICAL EDGE.
 - D02 REMOVE AND DISPOSE OF TREES AND ROOT BALLS.
 - D03 GENERAL SITE CLEARING AND GRUBBING.
 - D04 REMOVE AND RETAIN MAILBOX FOR FUTURE REUSE. CONTRACTOR TO COORDINATE ACTIVITY WITH OWNER. REFER TO SHEET C1.20, KEY NOTE S06 FOR RE-INSTALLATION NOTES.
 - A RETAIN AND PROTECT
 1. UTILITY RISERS / BOXES
 2. UTILITY VAULT
 3. FIRE HYDRANT
 4. SIGN
 5. WATER VALVE

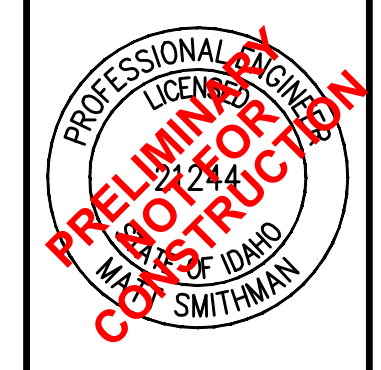
MATCHLINE (SEE ABOVE)



- LEGEND**
- | | |
|--------------------------|-----------------|
| Right-of-way | Sign |
| Property Line | TV Vault |
| City Limits Line | Gas Meter |
| 5' Contour Interval | Cable TV Riser |
| 1' Contour Interval | Telephone Riser |
| Flow Line of Creek/Ditch | MB = Mailbox |
| Fence Line | Conifer Tree |
| Asphalt | Deciduous Tree |
| Concrete | |
| Gravel Drive | |
| Edge of Gravel | |
| Buried Power | |
| Power Box | |
| Sewer Main | |
| Sewer Service | |
| Sewer Manhole | |
| 12" Water Main | |
| 8" Water Main | |
| 6" Water Main | |
| Water Service | |
| OM Water Meter | |
| Fire Hydrant | |
| Water Valve | |



QUIGLEY ROAD BIKE PATH PROJECT 2023
AT DEERFIELD SUBD. NO. 3 & 4, AND MARVIN GARDENS
SITE DEMOLITION PLAN
 LOCATED WITHIN SECTION 10, T.2 N., R.18 E., B.M., CITY OF HAILEY, BLAINE COUNTY, IDAHO
 PREPARED FOR: CITY OF HAILEY
 PROJECT INFORMATION
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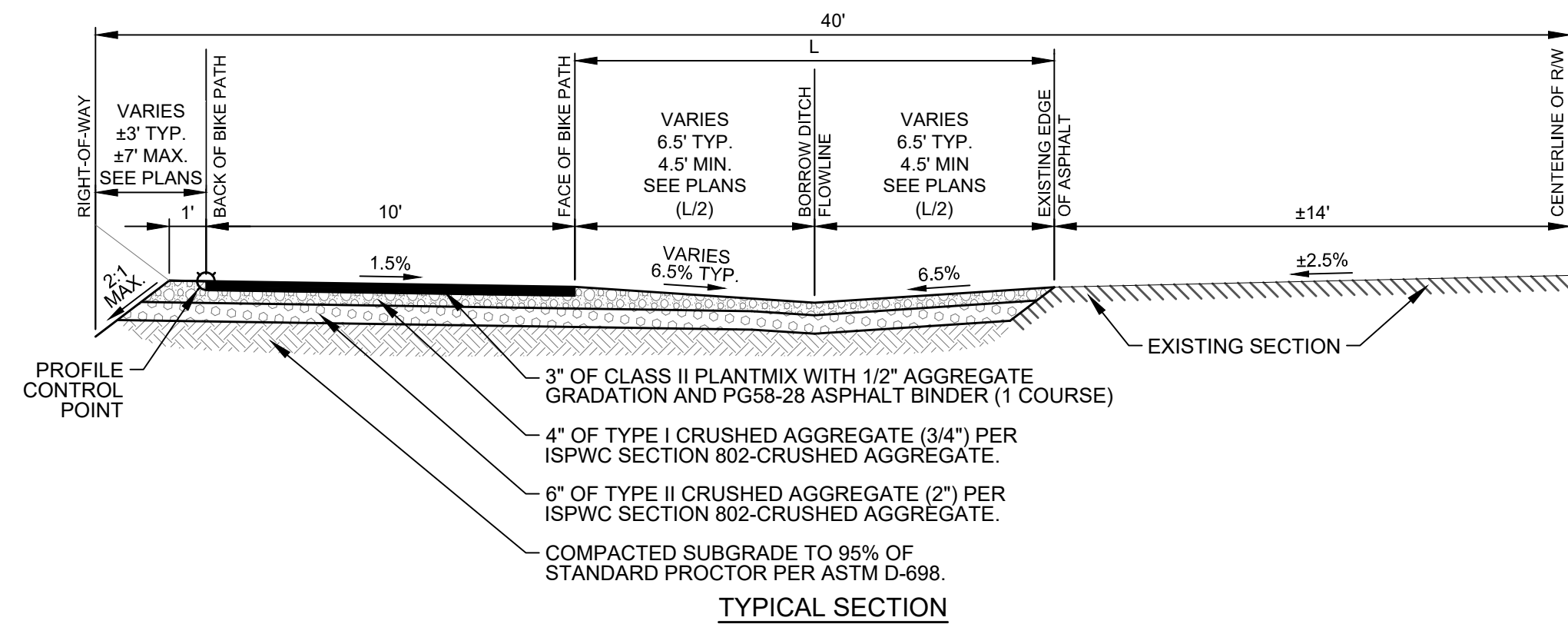


DESIGNED BY: CT
 DRAWN BY: CT
 CHECKED BY: MS
 SURVEY DATE: 05/24/23
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 Civil Engineers & Land Surveyors
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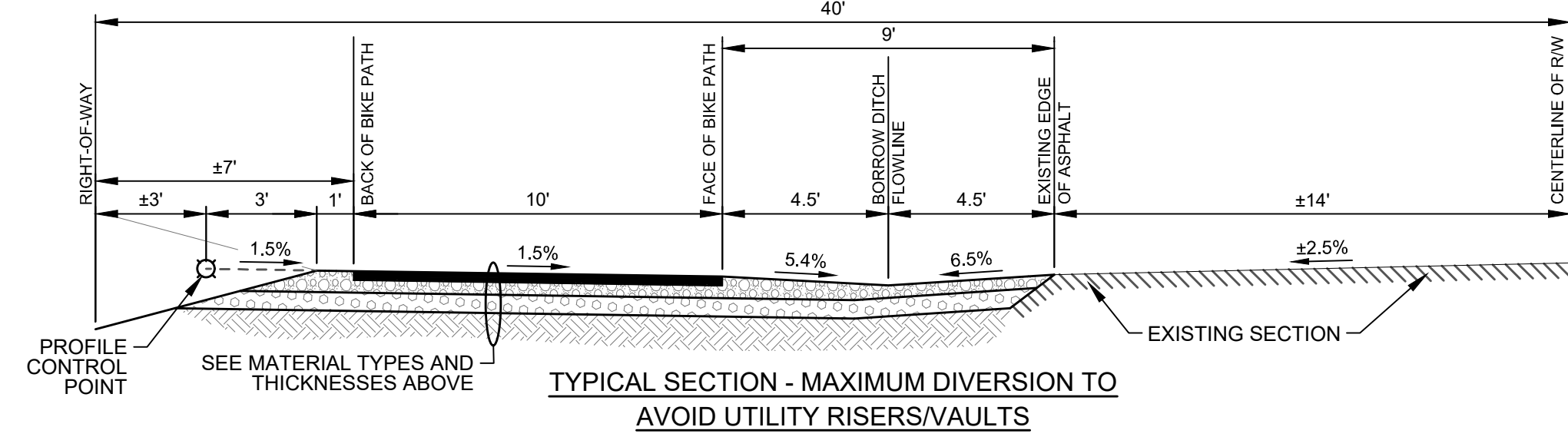
PURPOSE: ISSUE FOR REVIEW (07/28/2023)

NO.	DATE	BY	REVISIONS

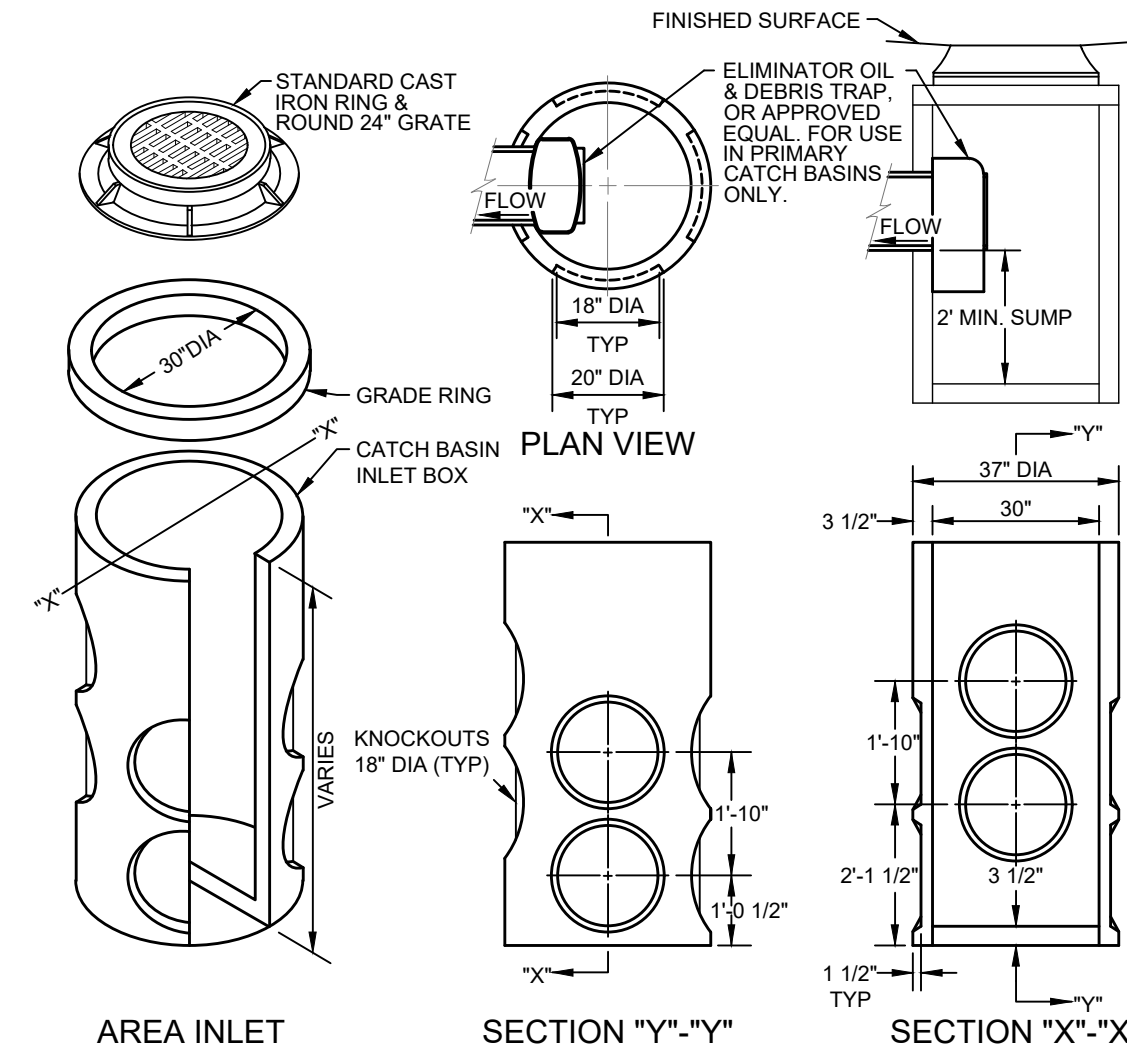
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1 TYPICAL BIKE PATH SECTION
N.T.S.



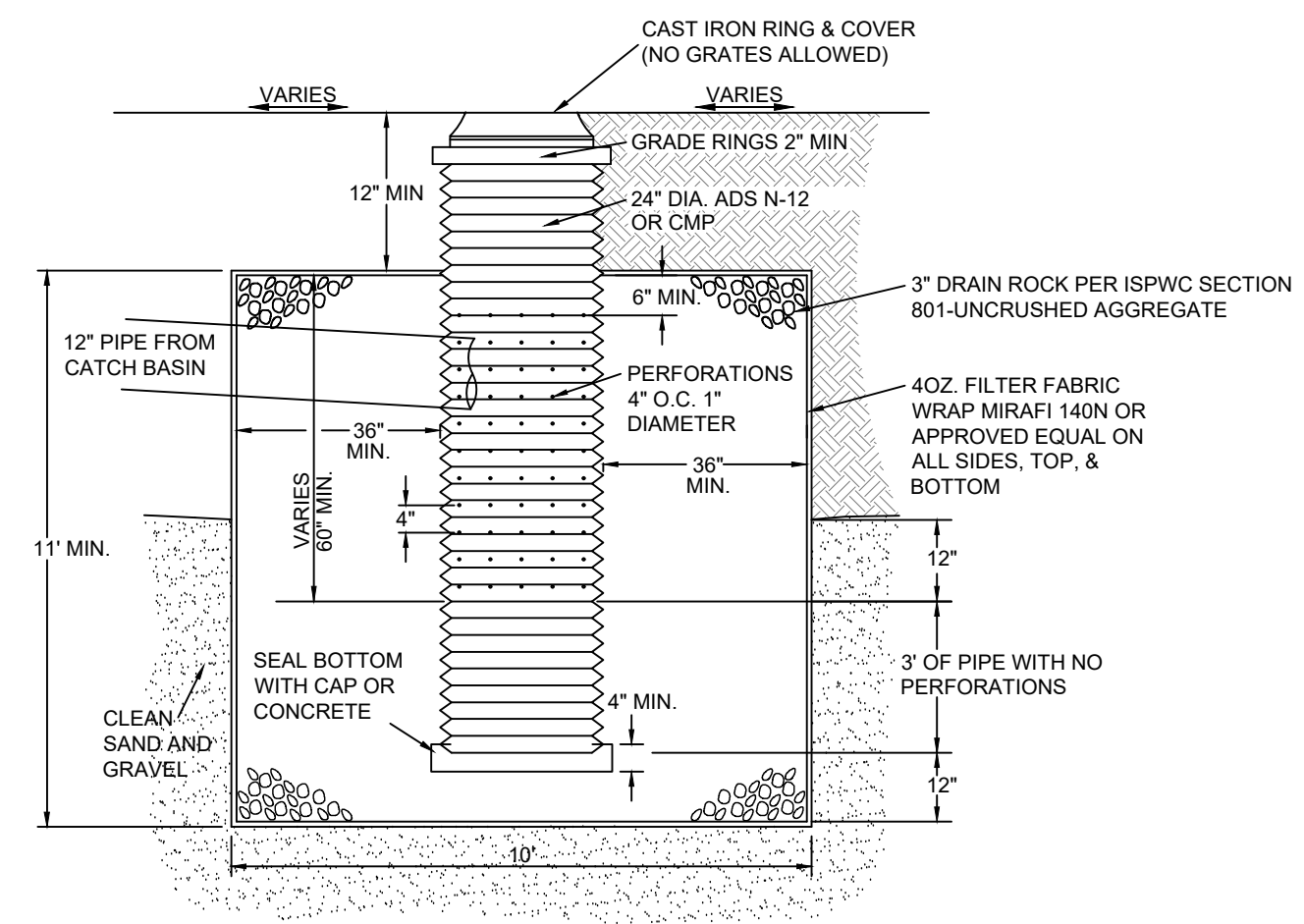
2 TYPICAL SECTION - MAXIMUM DIVERSION TO AVOID UTILITY RISERS/VOLTS
N.T.S.



2 30" DIAMETER PRIMARY CATCH BASIN
N.T.S.

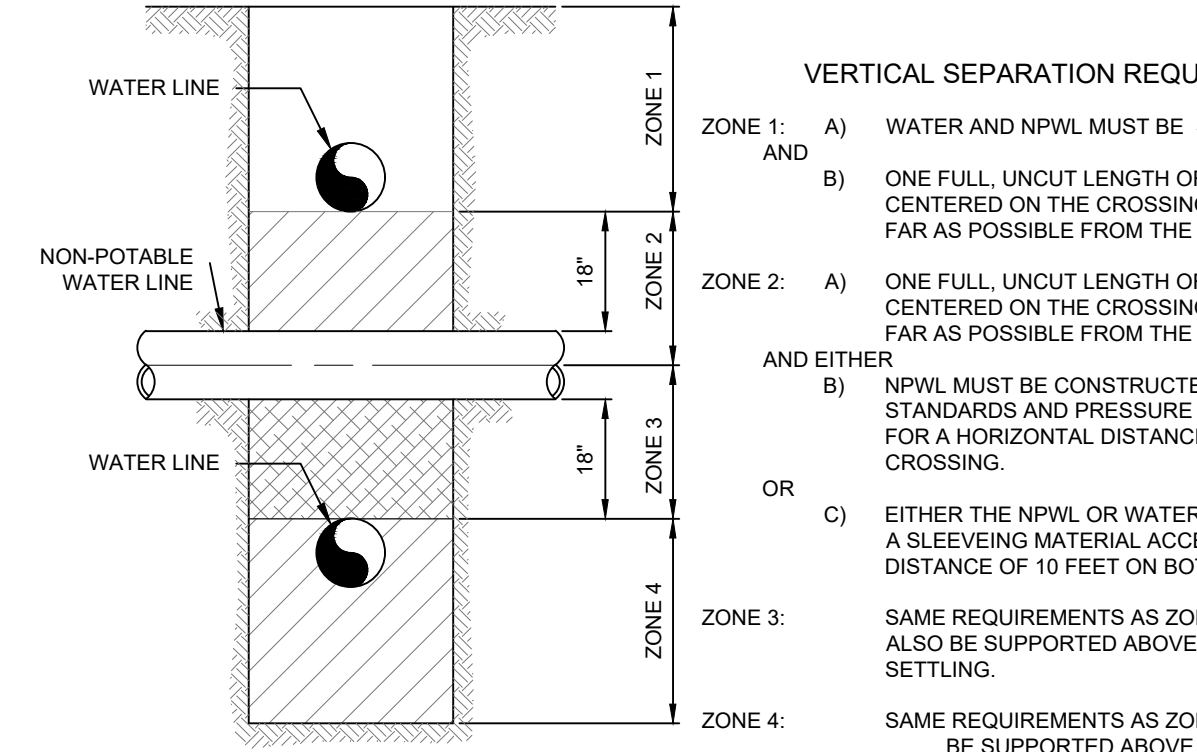
- CATCH BASIN INSTALLATION NOTES:**
1. A PRIMARY CATCH BASIN IS DEFINED AS THE FIRST STORM STRUCTURE UPSTREAM OF A DRYWELL. A SATELLITE CATCH BASIN IS DEFINED AS THE STORM STRUCTURE UPSTREAM OF THE PRIMARY CATCH BASIN.
 2. THE OIL & DEBRIS TRAP SHALL BE INSTALLED ON THE OUTLET OF THE PRIMARY CATCH BASIN ONLY, NOT ON SATELLITE CATCH BASINS.
 3. PLACE A MINIMUM OF 4" OF COMPACTED BEDDING ON PREPARED SUBGRADE AS SPECIFIED IN ISPPWC SECTION 305 - PIPE BEDDING. EXTEND BEDDING EITHER TO THE LIMITS OF THE EXCAVATION OR AT LEAST 12" OUTSIDE THE LIMITS OF THE BASE SECTION.
 4. FILL THE BALANCE OF THE EXCAVATED AREA WITH SELECT MATERIAL COMPACTED LEVEL TO THE TOP OF THE BEDDING.
 5. PROVIDE A SMOOTH AND LEVEL BEARING SURFACE ON THE BEDDING SURFACE.

3 CITY OF HAILEY DRYWELL DETAIL
N.T.S.



3 CITY OF HAILEY DRYWELL DETAIL
N.T.S.

THE TERM "LINE" APPLIES TO BOTH MAIN LINES AND SERVICE LINES



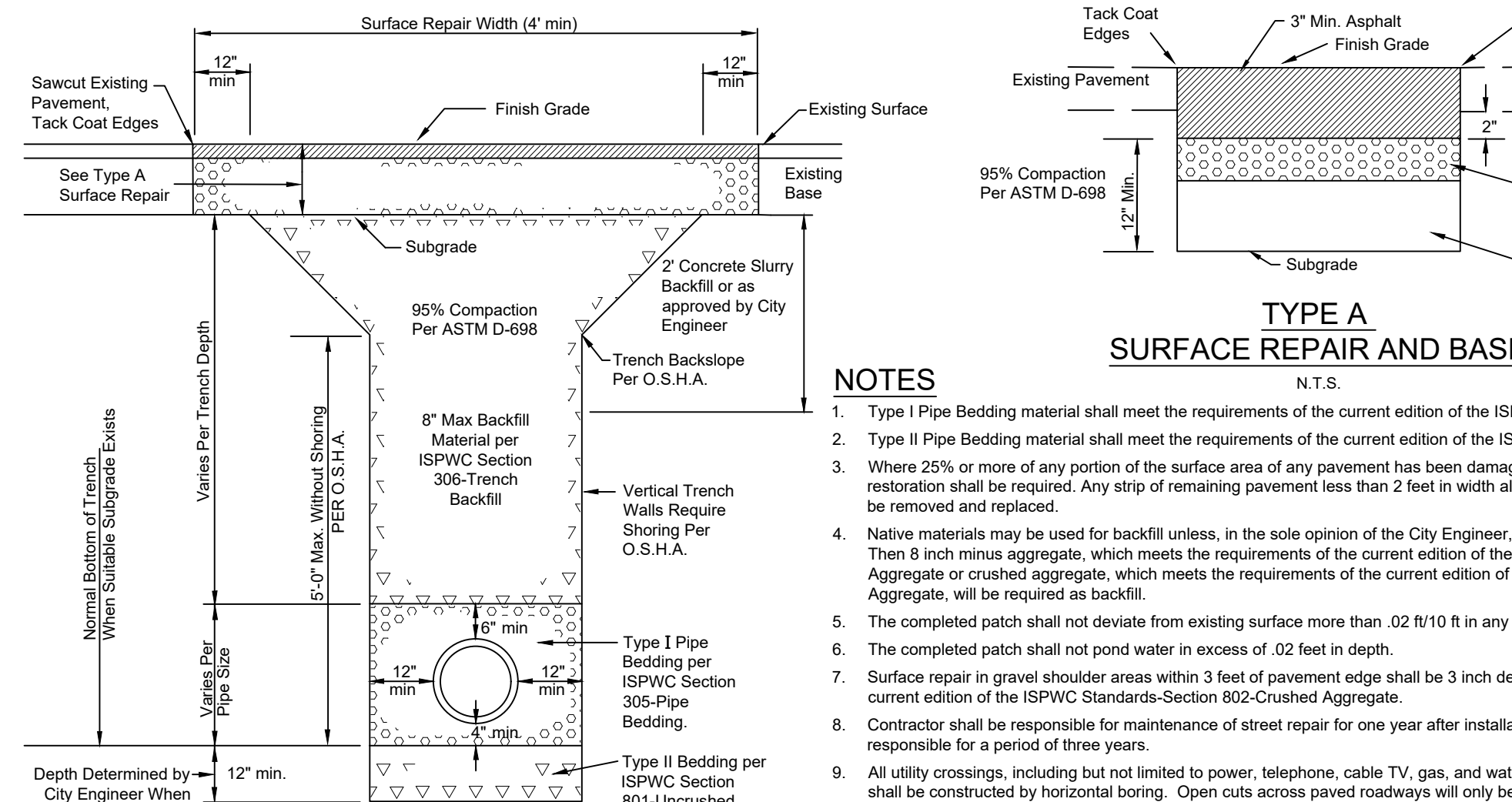
VERTICAL SEPARATION REQUIREMENTS

- ZONE 1: A) WATER AND NPWL MUST BE SEPARATED BY AT LEAST 18" AND B) ONE FULL, UNCUT LENGTH OF BOTH PWL AND NPWL PIPE MUST BE CENTERED ON THE CROSSING SO THAT THE JOINTS ARE AS FAR AS POSSIBLE FROM THE CROSSING.
- ZONE 2: A) ONE FULL, UNCUT LENGTH OF BOTH PWL AND NPWL PIPE MUST BE CENTERED ON THE CROSSING SO THAT THE JOINTS ARE AS FAR AS POSSIBLE FROM THE CROSSING. AND EITHER B) NPWL MUST BE CONSTRUCTED TO WATER MAIN STANDARDS AND PRESSURE TESTED FOR WATER TIGHTNESS FOR A HORIZONTAL DISTANCE OF 10 FEET ON BOTH SIDES OF CROSSING. OR C) EITHER THE NPWL OR WATER LINE OR BOTH MUST BE ENCASED WITH A SLEEVEING MATERIAL ACCEPTABLE TO DEQ FOR A HORIZONTAL DISTANCE OF 10 FEET ON BOTH SIDES OF THE CROSSING.
- ZONE 3: SAME REQUIREMENTS AS ZONE 2 EXCEPT THE NPWL MUST ALSO BE SUPPORTED ABOVE THE CROSSING TO PREVENT SETTLING.
- ZONE 4: SAME REQUIREMENTS AS ZONE 1 EXCEPT THE THE NPWL MUST ALSO BE SUPPORTED ABOVE THE CROSSING TO PREVENT SETTLING.

HORIZONTAL SEPARATION REQUIREMENTS

- ZONE 1: A) NO SPECIAL REQUIREMENTS.
- ZONE 2: A) NO SPECIAL REQUIREMENTS FOR POTABLE OR NON-POTABLE SERVICES. B) WATER AND NPWL SEPARATED BY AT LEAST 6 FEET AT OUTSIDE WALLS. C) WATER AT LEAST 18 INCHES HIGHER IN ELEVATION THAN THE NPWL. AND EITHER D) NPWL CONSTRUCTED TO POTABLE WATER MAIN STANDARDS AND PRESSURE TESTED FOR WATER TIGHTNESS. OR E) SITE SPECIFIC REQUIREMENTS APPROVED BY DEQ.
- ZONE 3: NOT ALLOWED WITHOUT DEQ WAIVER.
- NOTE: SANITARY SEWER FORCE MAINS MUST HAVE MIN. 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION. ZONE 2 AND ZONE 3 PLACEMENTS ARE NOT ALLOWED WITHOUT A WAIVER GRANTED BY DEQ.

4 POTABLE AND NON-POTABLE WATER LINE (NPWL) SEPARATION
N.T.S.

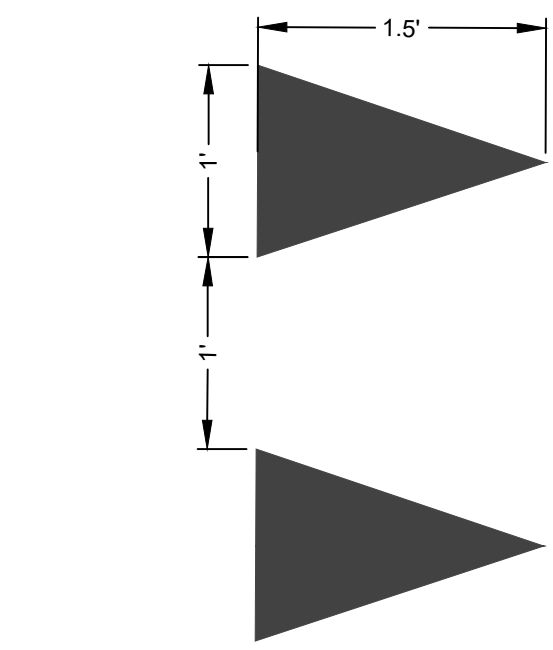


5 TRENCH AND SURFACE REPAIR DETAIL (18.14.010.A.1)
N.T.S.

NOTES

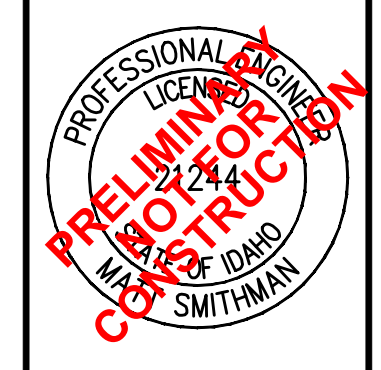
1. Type I Pipe Bedding material shall meet the requirements of the current edition of the ISPPWC Standards-Section 305-Pipe Bedding.
2. Type II Pipe Bedding material shall meet the requirements of the current edition of the ISPPWC Standards-Section 305-Pipe Bedding.
3. Where 25% or more of any portion of the surface area of any pavement has been damaged within the project limits, full width restoration shall be required. Any strip of remaining pavement less than 2 feet in width along curb and gutter or pavement edge shall be removed and replaced.
4. Native materials may be used for backfill unless, in the sole opinion of the City Engineer, the native material is found to be unstable. Then 8 inch minus aggregate, which meets the requirements of the current edition of the ISPPWC Standards-Section 801-Uncrushed Aggregate or crushed aggregate, which meets the requirements of the current edition of the ISPPWC Standards-Section 802-Crushed Aggregate, will be required as backfill.
5. The completed patch shall not deviate from existing surface more than .02 ft/10 ft in any direction.
6. The completed patch shall not pond water in excess of .02 feet in depth.
7. Surface repair in gravel shoulder areas within 3 feet of pavement edge shall be 3 inch depth of Type I crushed aggregate per the current edition of the ISPPWC Standards-Section 802-Crushed Aggregate.
8. Contractor shall be responsible for maintenance of street repair for one year after installation. PUC regulated utilities shall be responsible for a period of three years.
9. All utility crossings, including but not limited to power, telephone, cable TV, gas, and water services, which cross existing paved roads shall be constructed by horizontal boring. Open cuts across paved roadways will only be allowed after a minimum of three failed attempts with approved boring tools. When utility mains are located under existing pavement, open cuts will be allowed and boring is not required. If in the judgment of the City Engineer, boring may be detrimental to the health, safety, or welfare of the public, boring will not be required and trenching will be allowed. A six foot trench, two feet deeper than the proposed utility shall be excavated adjacent to the edge of pavement for evaluation of soil conditions by the City Engineer to determine if boring shall be attempted or if trenching will be allowed.
10. All trenches shall be repaired within 72 hours of starting the work unless prior approval to delay repaving has been provided by the City Engineer.
11. Concrete Slurry Mix Design
Coarse Aggregate (3/8" minus) 2,600 lbs
Sand 800 lbs
Cement 94 lbs (max)
Water 11 gals (max)

5 TRENCH AND SURFACE REPAIR DETAIL (18.14.010.A.1)
N.T.S.



6 YIELD LINE MARKING
N.T.S.

QUIGLEY ROAD BIKE PATH PROJECT 2023
AT DEERFIELD SUBD. NO. 3 & 4, AND MARVIN GARDENS
DETAIL SHEET
LOCATED WITHIN SECTION 10, T. 2 N., R. 18 E., B. 1 M., CITY OF HAILEY, BLAINE COUNTY, IDAHO
PREPARED FOR: CITY OF HAILEY



DESIGNED BY: CT
DRAWN BY: CT
CHECKED BY: MS
SURVEY DATE: 05/24/23

GALENA - BENCHMARK ENGINEERING
Civil Engineers & Land Surveyors
100 Bell Drive
P.O. Box 133
Hailey, Idaho 83440
(208) 726-9512
www.benchmark-associates.com

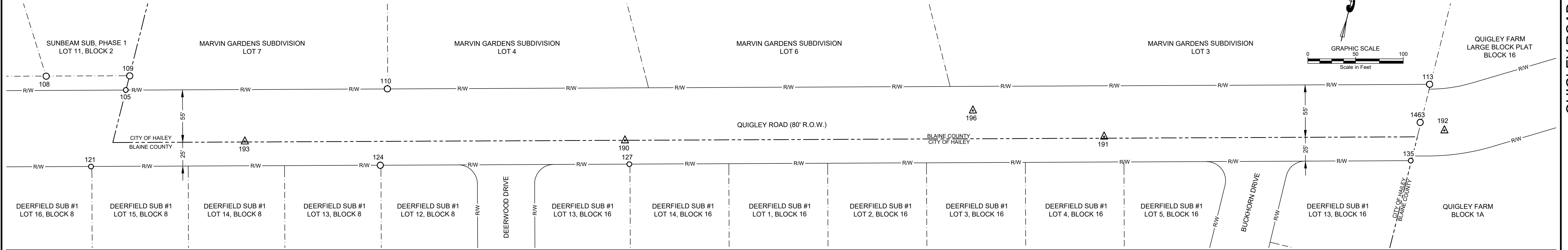
NO.	DATE	BY	REVISIONS

PURPOSE: ISSUE FOR REVIEW (07/28/2023)
C1.00

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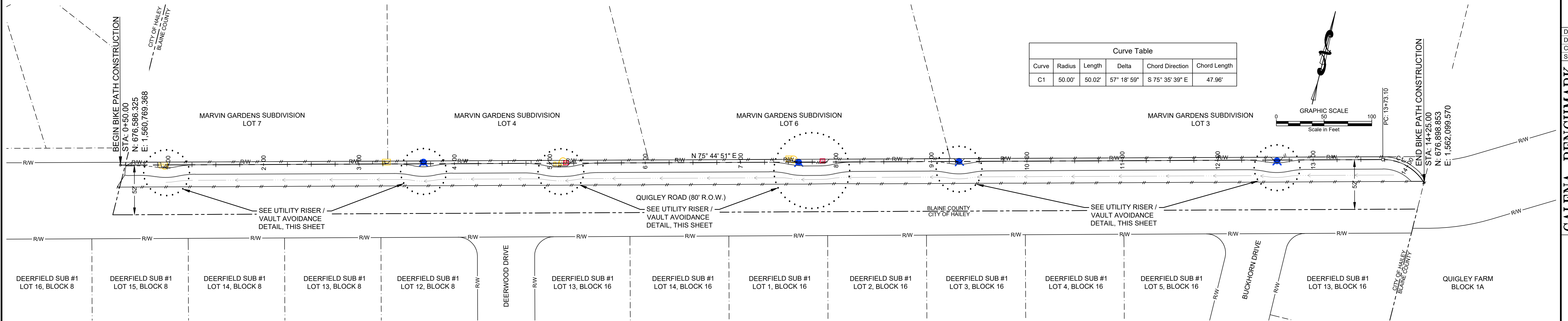
SURVEY MONUMENT & CONTROL				
Point #	Elevation	Northing	Easting	Description
105	5347.29	676,590.720	1,560,774.083	FD1/2 NC
108	5347.30	676,584.594	1,560,689.562	FD5/8 16670
109	5348.56	676,606.109	1,560,774.490	FD5/8 16670
110	5351.34	676,658.192	1,561,039.802	FD5/8 16670
113	5369.66	676,927.087	1,562,098.536	FD5/8 PLS8806
121	5347.21	676,503.884	1,560,758.122	FD1/2 3621
124	5352.12	676,578.546	1,561,052.025	FD5/8 NC
127	5355.86	676,642.836	1,561,304.967	FD1/2 PLS3621

SURVEY MONUMENT & CONTROL				
Point #	Elevation	Northing	Easting	Description
135	5368.03	676,844.581	1,562,098.715	FD1/2 IC
190	5354.96	676,665.896	1,561,294.467	CP MAG
191	5362.88	676,791.183	1,561,780.726	CP MAG
192	5368.95	676,883.788	1,562,125.253	CP MAG
193	5349.53	676,568.386	1,560,908.132	CP MAG
196	5360.24	676,784.525	1,561,640.683	CP MAG
1418	5365.98	676,846.803	1,561,945.012	FD5/8 NC
1463	5368.66	676,885.843	1,562,098.571	FD5/8 IC

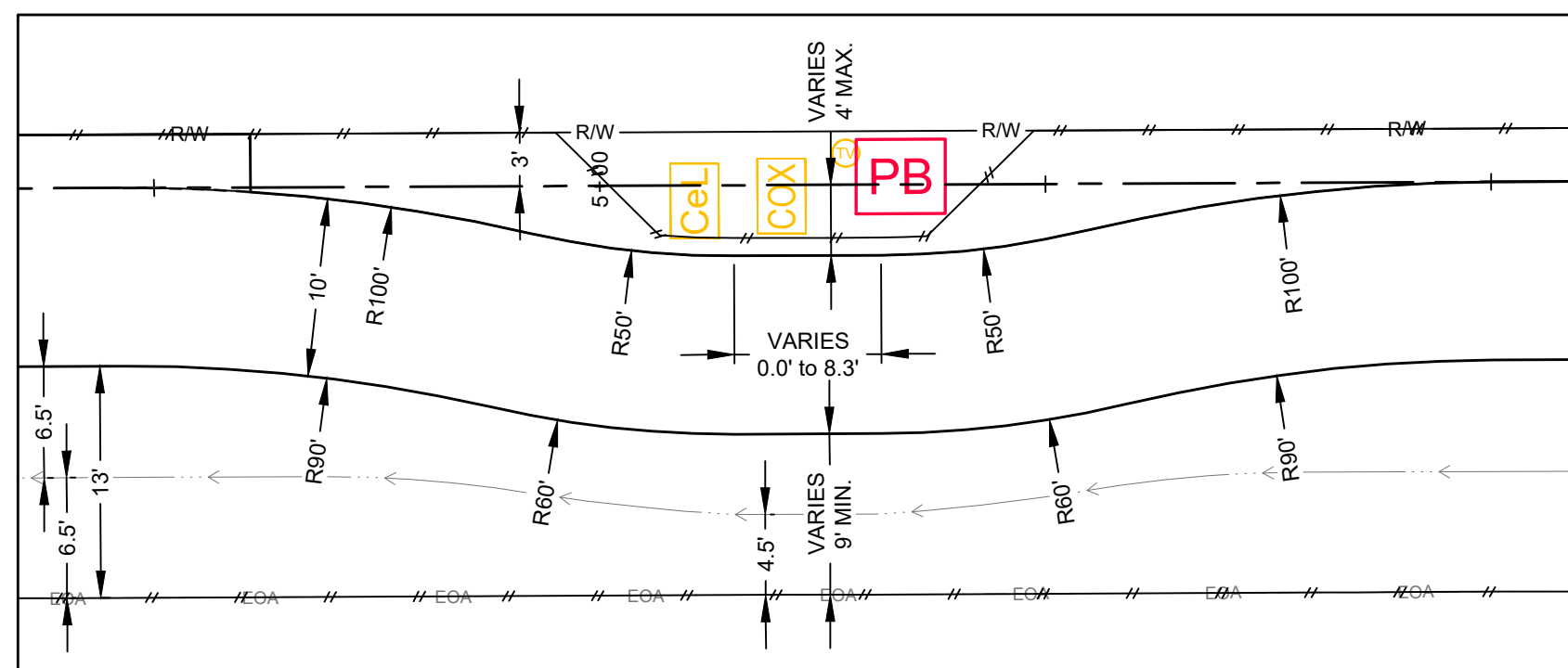


SURVEY MONUMENT PLAN

BASIS OF SURVEY:
 HORIZONTAL DATUM OF THE PROJECT IS BASED UPON NAD 1983 IDAHO COORDINATE SYSTEM (CENTRAL ZONE 1102, GROUND SCALE FACTOR 1.000296638 LAT N41°30'37.57668" LOG W119°59'17.67895"). ALL BEARINGS SHOWN ARE GRID BEARINGS AND DISTANCES SHOWN ARE GROUND DISTANCE. VERTICAL DATUM IS BASED ON NAVD88 ELEVATIONS AS SHOWN IN THE "SURVEY MONUMENTS AND CONTROL" TABLE. CONTROL MONUMENTS SHOWN WERE SURVEYED IN MAY, 2023.

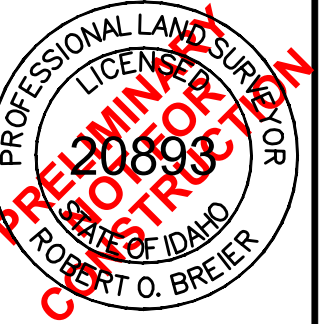


SITE GEOMETRY PLAN



1
C1.10 UTILITY RISER / VAULT AVOIDANCE DETAIL
N.T.S.

QUIGLEY ROAD
AT DEERFIELD SUBD. NO. 3 & 4, AND MARVIN GARDENS
SURVEY MONUMENT SHEET AND SITE GEOMETRY PLAN
 LOCATED WITHIN SECTION 10, T.2 N., R.18 E., B.M., CITY OF HAILEY, BLAINE COUNTY, IDAHO
 PREPARED FOR: CITY OF HAILEY
 PROJECT INFORMATION
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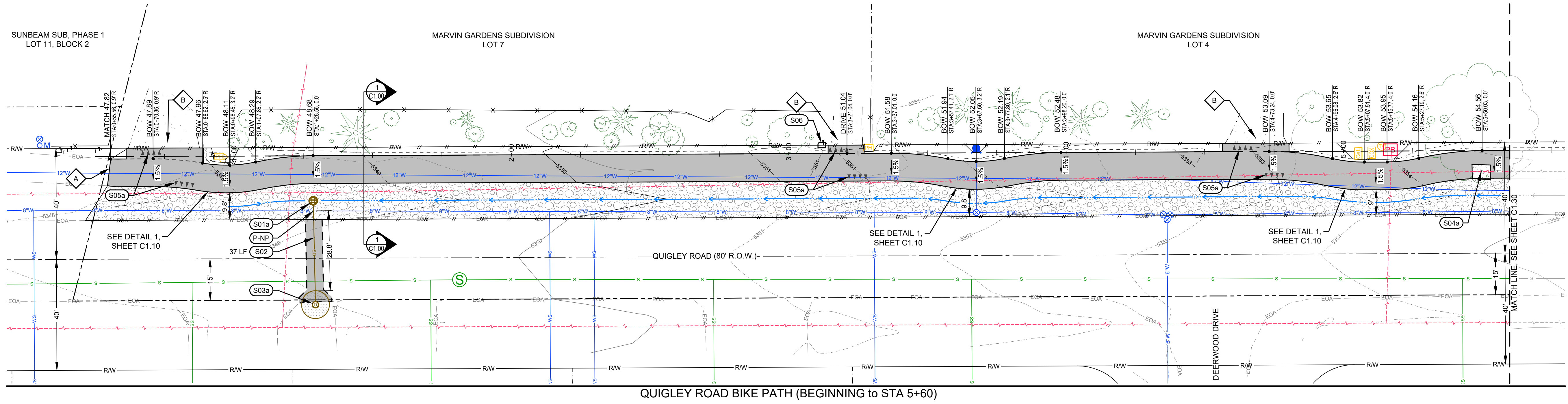
DESIGNED BY: CT
 DRAWN BY: CT
 CHECKED BY: RB
 SURVEY DATE: 05/24/23

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NO.	DATE	BY	REVISIONS

PURPOSE: ISSUE FOR REVIEW (07/28/2023)
 C1.10

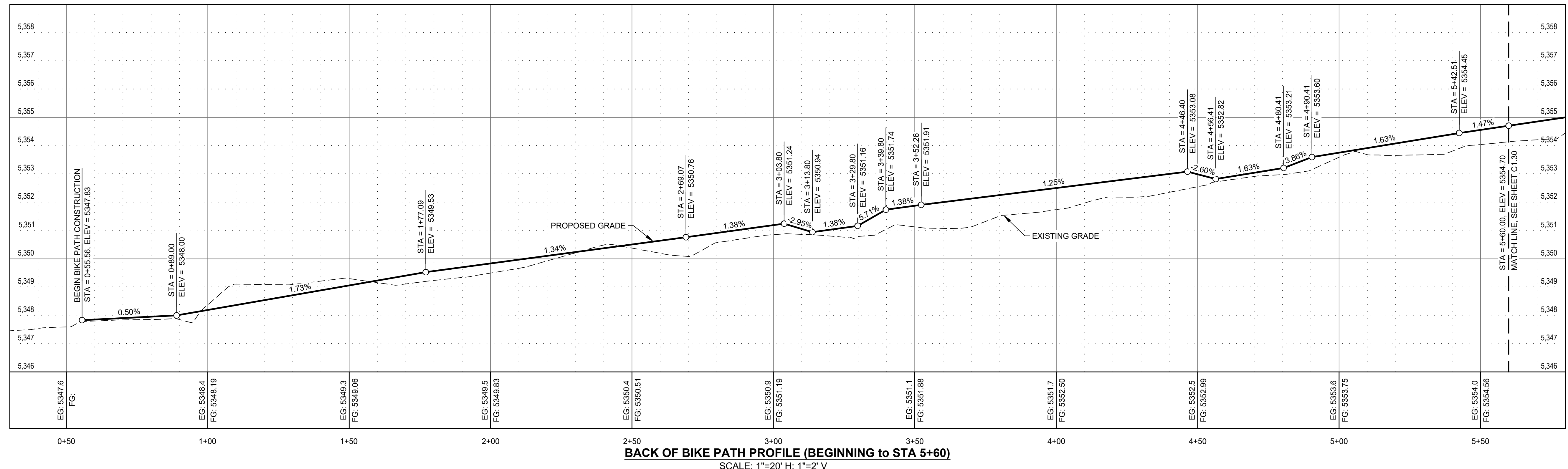
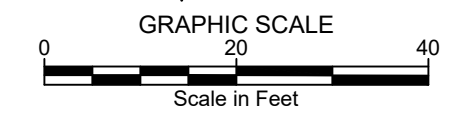
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SITE IMPROVEMENT KEY NOTES

- S01** INSTALL CATCH BASIN. SEE DETAIL 2 / C1.20.
a. STA: 1+28.56, o/s 16.3' R
RIM = 5348.36
I.E.(IN) = 5345.36
- S02** INSTALL 12" ADS N-12 STORM DRAIN PIPE WITH A MINIMUM SLOPE OF 2.0%. REFER TO DETAIL 5 / C1.00 FOR TRENCHING AND SURFACE REPAIR.
- S03** INSTALL DRYWELL. REFER TO DETAIL 3 / C1.00.
a. STA: 1+29.18, o/s 53.7' R
RIM = 5348.70
I.E.(IN) = 5344.62
- S04** RESET UTILITY BOX / VAULT LID ELEVATION.
a. POWER VAULT
ORIGINAL RIM = 5353.76
NEW RIM = 5354.44
CONTRACTOR TO COORDINATE WITH UTILITY FRANCHISE TO PROVIDE FOR A TRAFFIC RATED PEDESTRIAN FRIENDLY LID / COVER.
- S05** INSTALL ROAD PAINT / SYMBOL
a. WHITE YIELD LINE. SEE DETAIL 8 / C2
- S06** RE-INSTALL MAIL BOX FROM DEMOLITION ITEM D04. CONTRACTOR SHALL COORDINATE FINAL LOCATION WITH THE OWNER, CITY OF HAILEY, AND THE LOCAL POST MASTER.
- P-NP** POTABLE / NON-POTABLE WATER LINE CROSSING. SEE DETAIL 4 / C1.00 FOR SEPARATION REQUIREMENTS.

- LEGEND (Proposed Items)**
- Alignment Control
 - - - Assumed Centerline of Right-of-way
 - BOW 54.56
STA: 5+60.00, 0.0'
 - 1.5% Grade
 - Edge of Gravel at Back of Path
 - 5' Contour Interval
 - 1' Contour Interval
 - Flow Line of Creek/Ditch
 - Asphalt
 - Gravel
 - Expected Limits of Disturbance
 - MB = Mailbox



BACK OF BIKE PATH PROFILE (BEGINNING TO STA 5+60)
SCALE: 1"=20' H; 1"=2' V

QUIGLEY ROAD BIKE PATH PROJECT 2023
AT DEERFIELD SUBD. NO. 3 & 4, AND MARVIN GARDENS BIKE PATH PLAN & PROFILE (BEGINNING TO STA 5+60)
LOCATED WITHIN SECTION 10, T.2 N., R.18 E., B.M., CITY OF HAILEY, BLAINE COUNTY, IDAHO
PREPARED FOR: CITY OF HAILEY

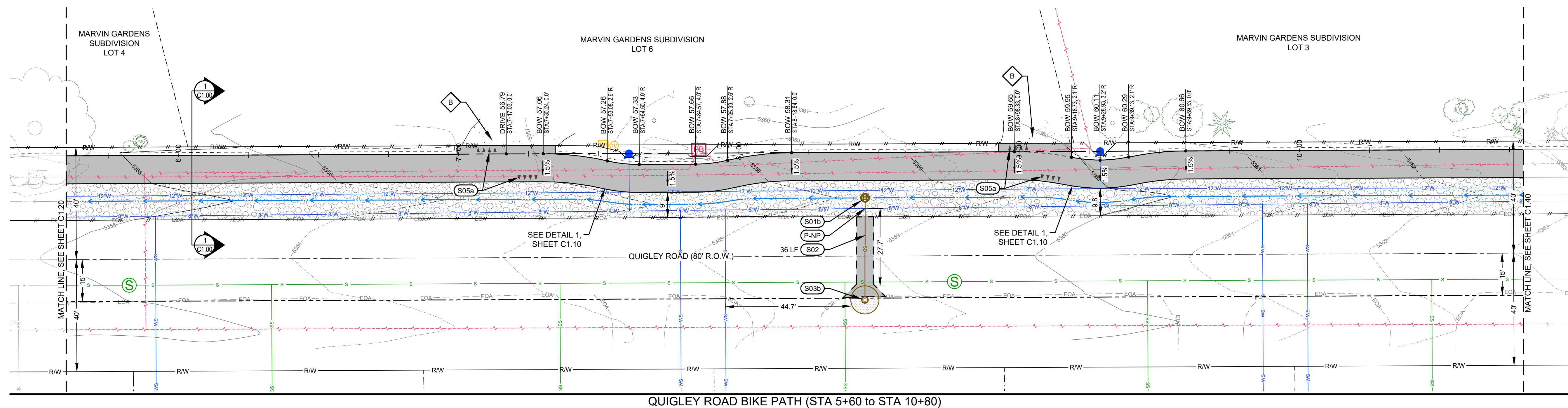


DESIGNED BY: CT
DRAWN BY: CT
CHECKED BY: MS
SURVEY DATE: 05/24/23

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NO.	DATE	BY	REVISIONS



QUIGLEY ROAD BIKE PATH (STA 5+60 to STA 10+80)

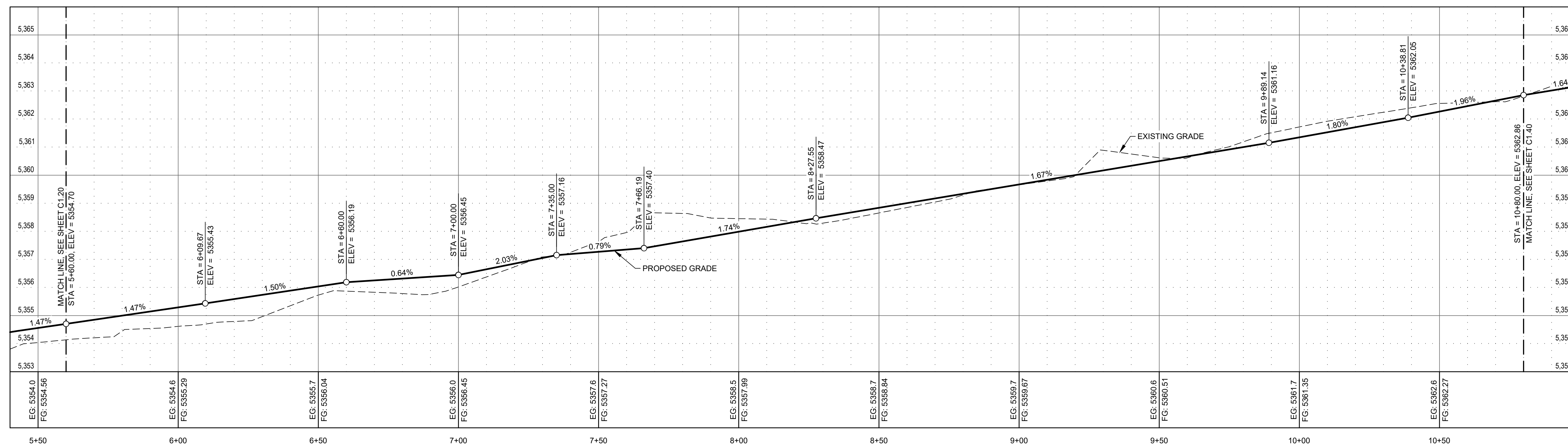
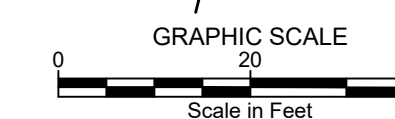
SITE IMPROVEMENT KEY NOTES

- S01** INSTALL CATCH BASIN. SEE DETAIL 2 / C1.20.
b. STA: 8+45.00, o/s 16.3' R
RIM = 5358.07
I.E.(OUT) = 5355.07
- S02** INSTALL 12" ADS N-12 STORM DRAIN PIPE WITH A MINIMUM SLOPE OF 2.0%. REFER TO DETAIL 5 / C1.00 FOR TRENCHING AND SURFACE REPAIR.
- S03** INSTALL DRYWELL. REFER TO DETAIL 3 / C1.00.
b. STA: 8+44.79, o/s 52.7' R
RIM = 5358.41
I.E.(IN) = 5354.35
- S05** INSTALL ROAD PAINT / SYMBOL
a. WHITE YIELD LINE. SEE DETAIL 8 / C2
- P-NP** POTABLE / NON-POTABLE WATER LINE CROSSING. SEE DETAIL 4 / C1.00 FOR SEPARATION REQUIREMENTS.

REGRADE AREA TO PROVIDE FOR A SMOOTH TRANSITION.

LEGEND (Proposed Items)

- Alignment Control
- Assumed Centerline of Right-of-way
- BOW 54.56 STA=5450.00, 0.0 Spot Elevation w/ Station & Offset
- Grade
- 1.5%
- Edge of Gravel at Back of Path
- 5' Contour Interval
- 1' Contour Interval
- Flow Line of Creek/Ditch
- Asphalt
- Gravel
- Expected Limits of Disturbance
- MB = Mailbox



BACK OF BIKE PATH PROFILE (STA 5+60 to STA 10+80)

SCALE: 1"=20' H; 1"=2' V

QUIGLEY ROAD BIKE PATH PROJECT 2023
AT DEERFIELD SUBD. NO. 3 & 4, AND MARVIN GARDENS
BIKE PATH PLAN & PROFILE (STA 5+60 to STA 10+80)
 LOCATED WITHIN SECTION 10, T.2 N., R.18 E., B.M., CITY OF HAILEY, BLAINE COUNTY, IDAHO
 PREPARED FOR: CITY OF HAILEY

PROJECT INFORMATION
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DESIGNED BY: CT
 DRAWN BY: CT
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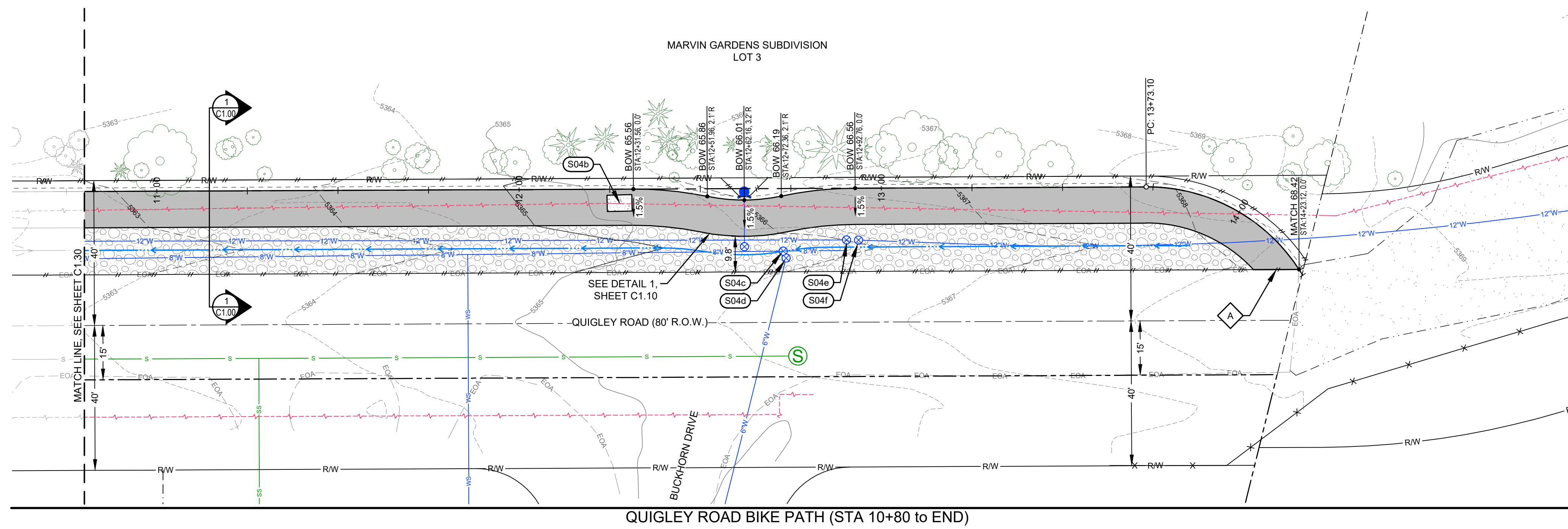
PURPOSE: ISSUE FOR REVIEW (07/28/2023)

NO.	DATE	BY	REVISIONS

C1.30

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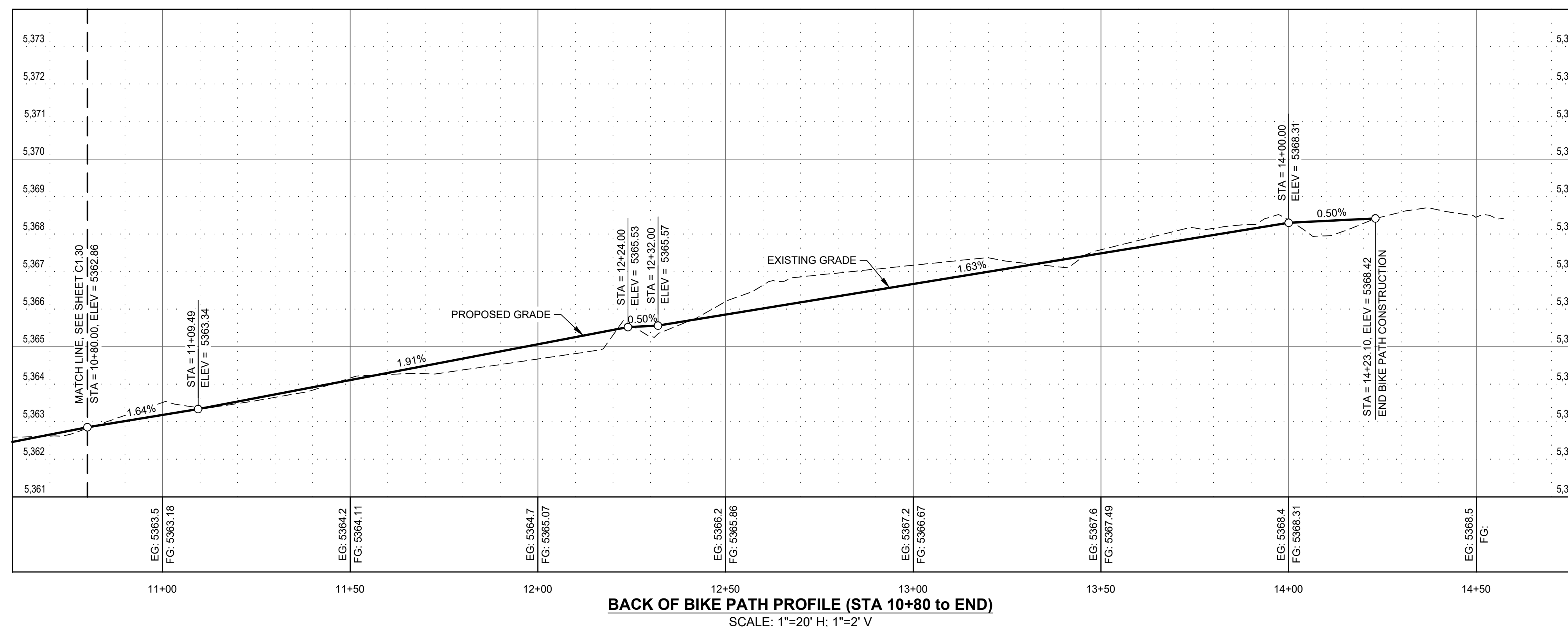
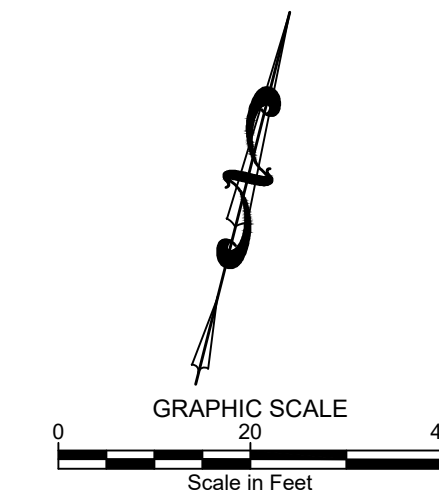
SITE IMPROVEMENT KEY NOTES

- S04a** RESET UTILITY BOX / VAULT LID ELEVATION.
- b. POWER VAULT**
ORIGINAL RIM = 5365.22
NEW RIM = 5365.49
CONTRACTOR TO COORDINATE WITH UTILITY FRANCHISE TO PROVIDE FOR A TRAFFIC RATED PEDESTRIAN FRIENDLY LID / COVER.
- c. WATER VALVE BOX**
ORIGINAL RIM = 5365.53
NEW RIM = 5365.63
- d. WATER VALVE BOX**
ORIGINAL RIM = 5365.61
NEW RIM = 5365.76
- e. WATER VALVE BOX**
ORIGINAL RIM = 5365.76
NEW RIM = 5366.01
- f. WATER VALVE BOX**
ORIGINAL RIM = 5365.86
NEW RIM = 5366.06

MATCH EXISTING LINES AND GRADES

LEGEND (Proposed Items)

- Alignment Control
- - - Assumed Centerline of Right-of-way
- BOW 54.56
STA: 5450.00, 0.00
Grade
- 1.5%
Edge of Gravel at Back of Path
- 5' Contour Interval
- 1' Contour Interval
- Flow Line of Creek/Ditch
- Asphalt
- Gravel
- Expected Limits of Disturbance
- MB = Mailbox



BACK OF BIKE PATH PROFILE (STA 10+80 to END)
SCALE: 1"=20' H; 1"=2' V

QUIGLEY ROAD BIKE PATH PROJECT 2023
AT DEERFIELD SUBD. NO. 3 & 4, AND MARVIN GARDENS BIKE PATH PLAN & PROFILE (STA 10+80 to END)
LOCATED WITHIN SECTION 10, T.2 N., R.18 E., B.M., CITY OF HAILEY, BLAINE COUNTY, IDAHO
PREPARED FOR: CITY OF HAILEY



DESIGNED BY: CT
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NO.	DATE	BY	REVISIONS

C1.40

PROJECT INFORMATION
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