

PROJECT STATEMENT

THE PURPOSE OF THIS PROJECT IS TO BUILD A NEW COMMERCIAL BUILDING. THE PROJECT INCLUDES PARKING AND UTILITY IMPROVEMENTS.

PROJECT INFORMATION

OWNER: HIGHWAY 95 PROJECT LLC
8645 N ARGLYE ST
POST FALLS, IDAHO 83854

SITE ADDRESS: 9878 N KIRKPATRICK STREET
HAYDEN, ID 83835

ASSESSOR PARCEL #: H-L673-001-003-0, AIN: 347717
PARCEL SIZE: *0.47 ACRES
CITY ZONING: COMMERCIAL

CIVIL ENGINEER: MADRONE ENGINEERING
29 S PALOUSE STREET
WALLA WALLA, WA 99362
JOEL DICKERSON, P.E.
509/524-9297

SURVEY NOTES

- THE BOUNDARY ON THESE DRAWINGS DOES NOT REPRESENT A PROPERTY LINE. SURVEY. PROPERTY LINES SHOWN HEREON ARE BASED ON RECORD DATA, AND MAY NOT REPRESENT THE TRUE POSITIONS OF THE LINES.
- THE UNADJUSTED QUANTITIES HAVE BEEN DERIVED USING A VOLUMETRIC ANALYSIS BETWEEN THE EXISTING AND PROPOSED FINISHED GRADE ELEVATIONS.
- THE FOLLOWING ASSUMPTIONS HAVE BEEN MADE WHEN DEVELOPING ADJUSTED QUANTITY ESTIMATES:
 - QUANTITIES FROM UTILITY TRENCHES, FOUNDATION TRENCHES, AND STORMWATER DETENTION BASINS HAVE NOT BEEN ESTIMATED.
 - QUANTITIES RELATED TO OVEREXCAVATION AND RECOMPACTION HAVE NOT BEEN ESTIMATED.
- CONTRACTOR SHALL WORK WITH THE PROJECT GEOTECHNICAL ENGINEER TO DETERMINE IF COMPACTION AND BULKING FACTORS ARE APPLICABLE FOR THE PROPOSED GRADING ACTIVITIES. THESE FACTORS HAVE THE POTENTIAL TO SIGNIFICANTLY ALTER THE CUT & FILL QUANTITIES IDENTIFIED IN THIS ANALYSIS.
- SEE THE TABLE BELOW FOR THE ESTIMATED EARTHWORK QUANTITIES FOR THE PROJECT.

ESTIMATED EARTHWORK QUANTITIES

- THE EARTHWORK QUANTITIES LISTED BELOW ARE ESTIMATES ONLY AND MAY VARY DUE TO SOIL TYPE, COMPACTION AND BULKING FACTORS, GRADING PRACTICES, AND COMPACTION VALUES.
- THE UNADJUSTED QUANTITIES HAVE BEEN DERIVED USING A VOLUMETRIC ANALYSIS BETWEEN THE EXISTING AND PROPOSED FINISHED GRADE ELEVATIONS.
- THE FOLLOWING ASSUMPTIONS HAVE BEEN MADE WHEN DEVELOPING ADJUSTED QUANTITY ESTIMATES:
 - QUANTITIES FROM UTILITY TRENCHES, FOUNDATION TRENCHES, AND STORMWATER DETENTION BASINS HAVE NOT BEEN ESTIMATED.
 - QUANTITIES RELATED TO OVEREXCAVATION AND RECOMPACTION HAVE NOT BEEN ESTIMATED.
- CONTRACTOR SHALL WORK WITH THE PROJECT GEOTECHNICAL ENGINEER TO DETERMINE IF COMPACTION AND BULKING FACTORS ARE APPLICABLE FOR THE PROPOSED GRADING ACTIVITIES. THESE FACTORS HAVE THE POTENTIAL TO SIGNIFICANTLY ALTER THE CUT & FILL QUANTITIES IDENTIFIED IN THIS ANALYSIS.
- SEE THE TABLE BELOW FOR THE ESTIMATED EARTHWORK QUANTITIES FOR THE PROJECT.

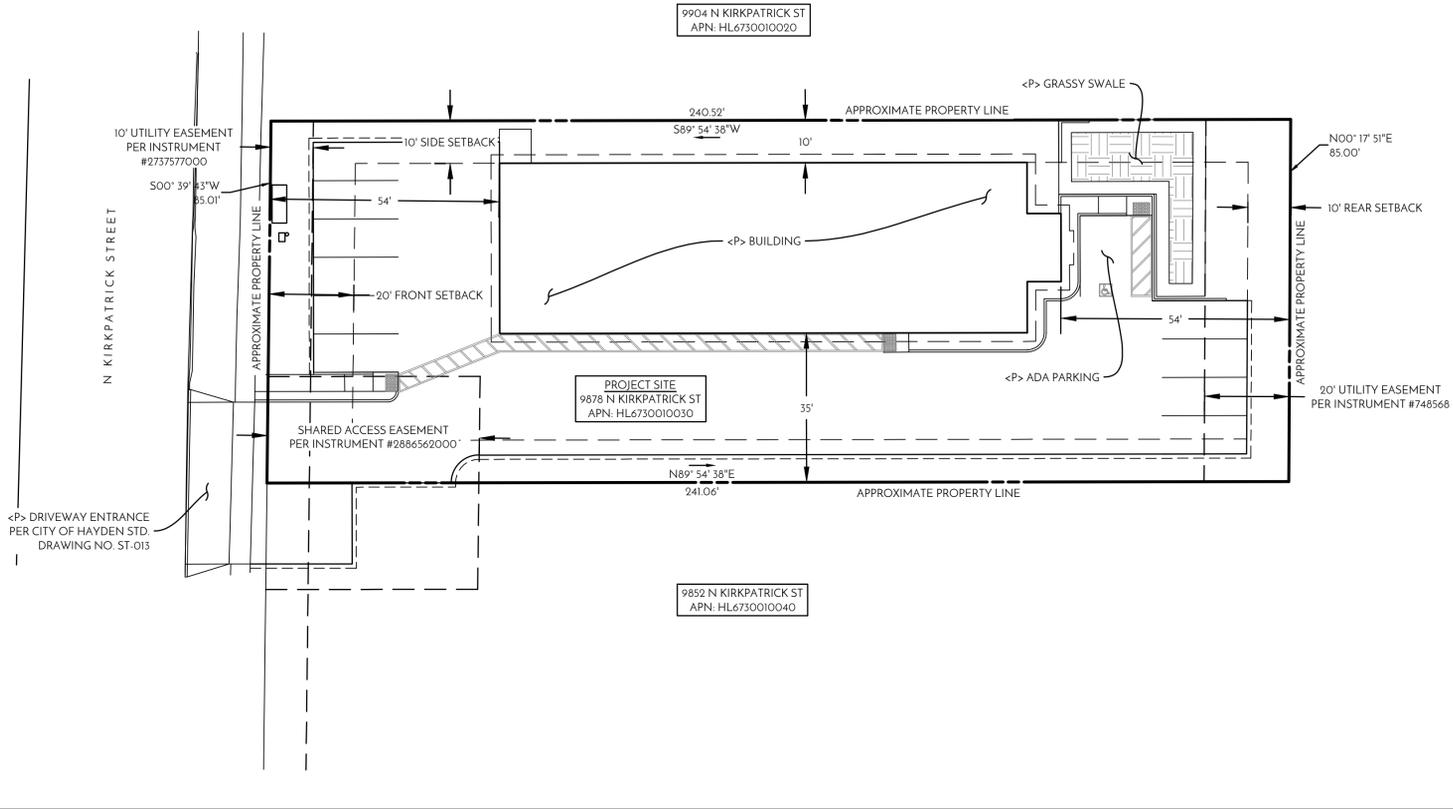
ESTIMATED PROJECT EARTHWORK		
	UNADJUSTED QUANTITIES (CY)	ADJUSTED QUANTITIES (CY)
CUT	190	545
FILL	335	270
ESTIMATED NET EARTHWORK		275 (EXPORT)

THE APPROXIMATE AREA OF DISTURBED SOIL IS 20,465 SF (0.47 AC). EXCESS SOIL WILL BE OFF-HAULED TO A LOCATION APPROVED BY THE CITY OF HAYDEN.

SHEET INDEX

- C1.0 COVER SHEET, HARDSCAPE, GRADING, & BMP PLAN
- C2.1 STORMWATER PLAN
- C3.0 UTILITY PLAN
- C3.1 DETAILS
- C3.2 DETAILS

SITE MAP

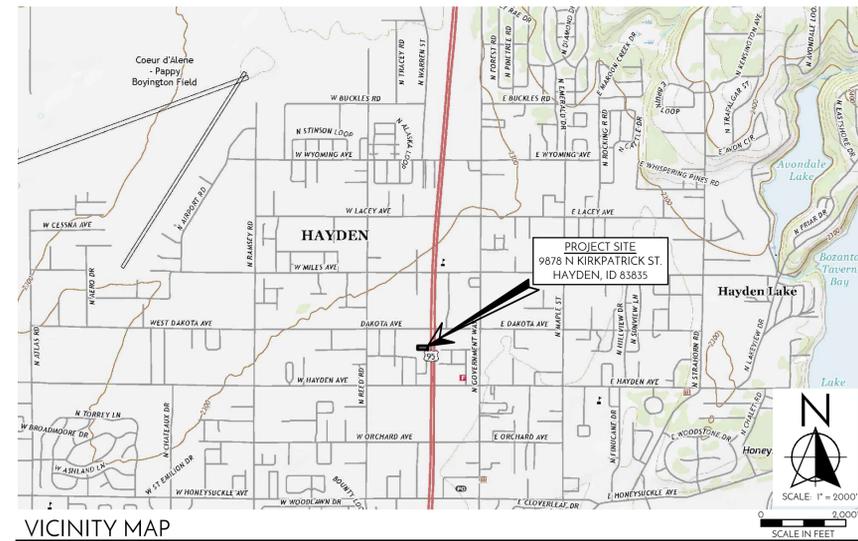


ABBREVIATIONS

AB	AGGREGATE BASE	FH	FIRE HYDRANT	R	RADIUS
AC	ASPHALT CONCRETE	FM	FLOOD RESISTANCE RATE MAP	RT	RIGHT
AD	AREA DRAIN	FL	FLOW LINE	ROW	RIGHT OF WAY
BC	BEGIN CURVE	FM	FORCE MAIN	RWL	RAIN WATER LEADER
BFE	BASE FLOOD ELEVATION PER FIRM	FS	FINISHED SURFACE	RCP	REINFORCED CONCRETE PIPE
BM	BENCHMARK	GB	GRADE BREAK	S	SOUTH
BCR	BEGIN CURB RETURN	GR	GRAVEL	S	SLOPE (FEET/FOOT)
BVC	BEGIN VERTICAL CURVE	HP	HIGH POINT	SAD	SEE ARCHITECTURAL DRAWINGS
BS	BOTTOM OF STAIRS	IRW	INVERT	SD	STORM DRAIN
BSW	BACK OF SIDEWALK	IP	IRON PIPE	SOP	SUBDRAIN PIPE
CB	CATCH BASIN	IRR	IRRIGATION	SED	SEE ELECTRICAL DRAWINGS
C&G	CURB AND GUTTER	JP	JOINT POLE	SLD	SEE LANDSCAPE DRAWINGS
CMU	CONCRETE MASONRY UNIT	LF	LINEAL FEET/FOOT	SLV	SLEEVE
CP	CONCRETE PIPE	LP	LOW POINT	SMD	SEE MECHANICAL DRAWINGS
CL	CENTERLINE	MH	MANHOLE	SPD	SEE PLUMBING DRAWINGS
CO	CLEANOUT	MON	MONUMENT	SS	SANITARY SEWER
COMM	COMMUNICATION	(N)	NORTH	SSCO	SANITARY SEWER CLEAN OUT
CV	CHECK VALVE	+N-	NEW	SSMH	SANITARY SEWER MANHOLE
CW	COLD WATER	OC	ON CENTER	STA	STATION
DCV	DOUBLE CHECK VALVE	OG	ORIGINAL GROUND	STD	STANDARD
DG	DECOMPOSED GRANITE	OH	OVERHEAD	SW	SIDEWALK
DIP	DUCTILE IRON PIPE	OHL	OVERHEAD LINE	TC	TOP OF CURB
DS	DOWNSPOUT	+P-	PROPOSED	TFC	TOP FACE OF CURB
DW	DOMESTIC WASTE	PCC	PORTLAND CEMENT CONCRETE	TCC	TOP OF CONCRETE
DWG	DRAWING	PD	PRESSURE DISTRIBUTION	TS	TOP OF STAIRS
EC	END OF CURVE	PG&E	PACIFIC GAS AND ELECTRIC	TW	TOP OF WALL
EG	EXISTING GROUND	PI	POINT OF INTERSECTION	TYP	TYPICAL
EA	EXISTING	PVI	POST INDICATOR VALVE	UG	UNDERGROUND
-E+	END CURB RETURN	P/L	PROPERTY LINE	VC	VERTICAL CURVE
EG	EXISTING GROUND	PR	POINT OF REVERSE CURVE	VG	VALLEY GUTTER
EGR	EDGE OF GRAVEL	PSI	POUNDS PER SQUARE INCH	(W)	WEST
EP	EDGE OF PAVEMENT	PUE	PUBLIC UTILITY EASEMENT	WM	WATER METER
EVC	END VERTICAL CURVE	PVC	POLYVINYL CHLORIDE	W/S	WATER SERVICE
FDC	FIRE DEPT CONNECTION	PVI	POINT OF VERTICAL INTERSECTION	WV	WATER VALVE
FG	FINISHED GRADE				

SYMBOL LEGEND

	UTILITY POLE		SEWER MANHOLE/RISER WITH ID #
	SIGN		STORM DRAIN MANHOLE WITH ID #
	WELL		WATER VALVE
	STREET LIGHT		WATER METER & DCV
	TREE		FDC/PV WITH CHECK VALVE
	TREE TO BE REMOVED		FIRE HYDRANT WITH GATE VALVE
	SANITARY SEWER		CLEANOUT
	GAS LINE		PROPOSED CONTOUR
	WATER LINE		SOLID STORM DRAIN
	EXISTING CONTOUR		PERFORATED STORM DRAIN
	PROPERTY LINE		GRADE SWALE
	CENTERLINE		OVERLAND RELEASE ROUTE



VICINITY MAP

MAP FROM USGS 7.5 MIN SERIES MAP NAME: HAYDEN



FOR OFFICIAL USE ONLY

THIS DOCUMENT AND THE IDEAS INCORPORATED HEREIN AS AN ENGINEERING DESIGN OR CONSTRUCTION DOCUMENT ARE THE PROPERTY OF MADRONE ENGINEERING. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED HEREIN. MADRONE ENGINEERING SHALL NOT BE RESPONSIBLE FOR THE USER'S USE OF THIS DOCUMENT OR FOR ANY DAMAGE TO PERSONS OR PROPERTY THAT MAY BE CAUSED BY THE USER'S USE OF THIS DOCUMENT. MADRONE ENGINEERING SHALL NOT BE RESPONSIBLE FOR THE USER'S USE OF THIS DOCUMENT OR FOR ANY DAMAGE TO PERSONS OR PROPERTY THAT MAY BE CAUSED BY THE USER'S USE OF THIS DOCUMENT.

madrone
engineering
29 South Palouse
Walla Walla, Washington 99362
Tel: 509-524-9297

CIVIL IMPROVEMENT PLANS
COVER SHEET

PROJECT 95
9878 N KIRKPATRICK ST.
HAYDEN, ID 83835
APN: HL6730010030
PROJECT: 23-046

PROFESSIONAL ENGINEER
LICENSED
122685
STATE OF IDAHO
JOEL DICKERSON

EVERY PERSON PLANNING TO DIG
CALL KUC AT 911 PRIOR TO EXCAVATION

DATE: 01/08/24
ISSUE: PERMIT SET

SHEET:

C1.0

HARDSCAPE LEGEND

TYPE OF IMPERVIOUS SURFACE	AREA DESCRIPTIONS	AREA (SF)	TYPICAL SECTION	PERVIOUS/ IMPERVIOUS	
[Symbol]	BUILDINGS, GARAGES, CARPORTS, OTHER STRUCTURES WITH ROOFS	5,820	N/A	IMPERVIOUS	
	CURBS, WALLS	130	N/A	IMPERVIOUS	
[Symbol]	PATIO, IMPERVIOUS DECKING, PAVERS AND IMPERVIOUS LINERS	580	N/A	IMPERVIOUS	
[Symbol]	SIDEWALKS AND PATHS	0	6" CL 2 AB	IMPERVIOUS	
[Symbol]	ROADWAYS AND DRIVEWAYS	ASPHALT CONCRETE	2.5" AC OVER 6.0" CL 2 AB	IMPERVIOUS	
		CONCRETE	5" CONC OVER 4" CL 2 AB	IMPERVIOUS	
		GRAVEL	10" CL 2 AB	IMPERVIOUS	
[Symbol]	OTHER PERVIOUS SURFACE	DECOMPOSED GRANITE	0	N/A	PERVIOUS
		PLANTING	0	N/A	PERVIOUS
		LAWN	0	N/A	PERVIOUS
		GRASSY SWALE	460	N/A	PERVIOUS
	TOTAL	17,570			

TOTAL NEW/RECONSTRUCTED IMPERVIOUS AREA : 15,450 SF (0.35 AC)
 NEW/RECONSTRUCTED IMPERVIOUS AREA REQUIRING TREATMENT : 9,630 SF (0.22 AC)
 TOTAL DISTURBED SOIL AREA: 20,465 SF (0.47 AC)

FOR OFFICIAL USE ONLY

CONSIDERATION OF DOCUMENTS: THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



CIVIL IMPROVEMENT PLANS
 HSCP, GRAD, & BMP PLAN

PROJECT 95
 9878 N KIRKPATRICK ST.
 HAYDEN, ID 83835
 APN: HL6730010030
 PROJECT 23-046

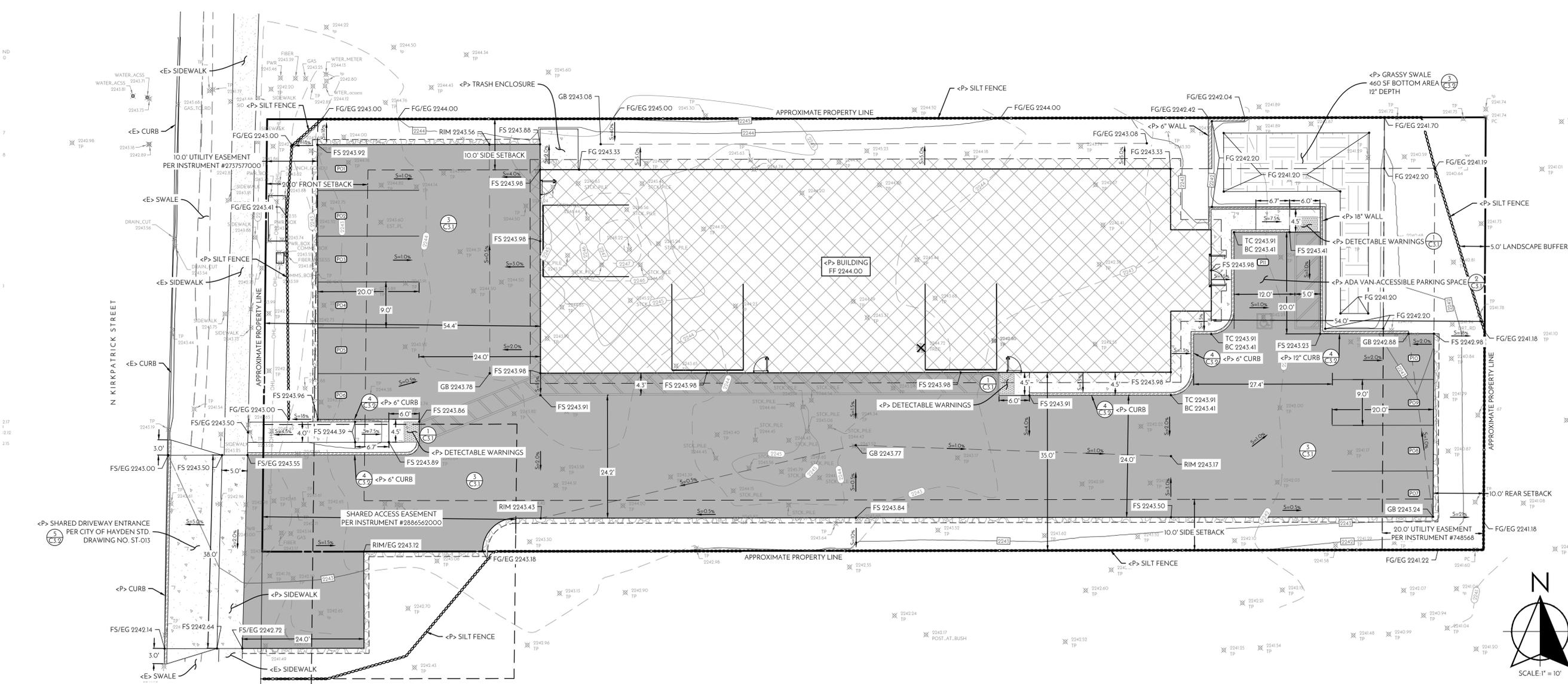


EVERY PERSON PLANNING TO DIG CALL 800-4-A-SHIELD TO DETERMINE LOCATION OF UTILITIES.

DATE: 01/08/24 ISSUE: PERMIT SET

SHEET:

C2.0



HARDSCAPE, GRADING, & BMP PLAN

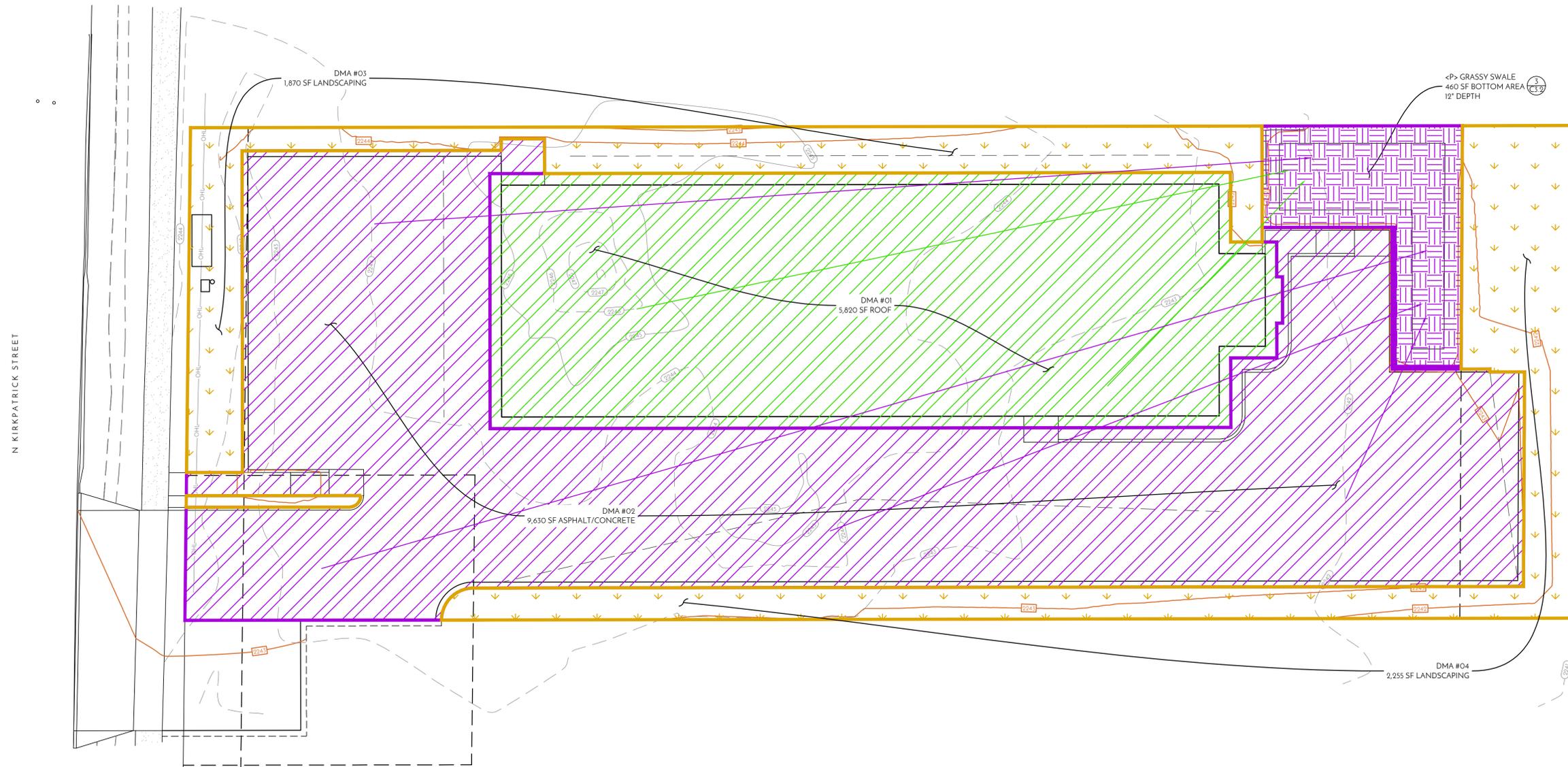
FOR OFFICIAL USE ONLY

DRAINAGE MANAGEMENT AREA (DMA) SUMMARY TABLE

DMA NAME	DMA AREA (SF)	SURFACE TYPE	MIN. TREATMENT AREA REQ'D	PROP FACILITY AREA (6" TREATMENT DEPTH)
GRASSY SWALE #01				
DMA #01	5,820	ROOF	N/A - DISCHARGES TO DRYWELL	DOUBLE-DEPTH DRYWELL
DMA #02	9,630	ASPHALT, CONC.	430 SF	460 SF
LANDSCAPING (PERVIOUS AREA)				
DMA #03	1,870	LSCP		
DMA #04	2,255	LSCP		

DRYWELL SUMMARY TABLE

DRYWELL #	TRIBUTARY AREA (SF)	DMA	MIN. INFILTRATION CAPACITY REQ'D (CFS)	PROP. FACILITY CAPACITY
#01	15,450	#01, #02	0.86	DOUBLE-DEPTH DRYWELL 1.0 CFS



CONSIDERATION OF DOCUMENTS: THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF MADRONE ENGINEERING AND ARCHITECTURE, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THE TITLE HEREOF. ANY REUSE, REPRODUCTION, OR TRANSMISSION OF THIS INFORMATION WITHOUT THE WRITTEN CONSENT OF MADRONE ENGINEERING AND ARCHITECTURE, INC. IS STRICTLY PROHIBITED. UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS SHALL BE THE USER'S SOLE RESPONSIBILITY. MADRONE ENGINEERING AND ARCHITECTURE, INC. SHALL BE THE USER'S SOLE AGENT FOR THE PROJECT. THE USER'S SOLE RESPONSIBILITY IS TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER'S SOLE RESPONSIBILITY IS TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER'S SOLE RESPONSIBILITY IS TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.



CIVIL IMPROVEMENT PLANS STORMWATER PLAN

PROJECT 95
9878 N KIRKPATRICK ST.
HAYDEN, ID 83835
APN: HL6730010030
PROJECT 23-046



EVERY PERSON PLANNING TO DIG
CALL 800-451-7273 TO EXCAVATION

DATE: 01/08/24 ISSUE: PERMIT SET

SHEET:
C2.1

EXISTING UTILITY NOTES

1. ALIGNMENT AND LOCATION OF EXISTING UTILITY LINES HAVE BEEN APPROXIMATED BASED ON THE SURVEY.
2. UTILITY CONTRACTOR WILL VERIFY THE EXACT LOCATION OF EXISTING ON-SITE UTILITIES PRIOR TO CONSTRUCTION OF NEW UTILITY INFRASTRUCTURE. UTILITY CONTRACTOR WILL REPLACE DAMAGED UTILITIES IN KIND AND TYPE.

STORM DRAIN SYSTEM NOTES

1. PROPOSED STORM DRAIN PIPING SHALL OUTLET ON THE PARCEL AS SHOWN ON THESE PLANS.
2. IN LANDSCAPED/BARE DIRT AREAS, UNLESS A DIRECT CONNECTION TO SOLID STORM DRAIN PIPING IS SHOWN ON THESE PLANS, DOWNSPOUTS SHALL OUTLET TO THE SURFACE A MINIMUM DISTANCE OF 5 FEET AWAY FROM BUILDING FOUNDATIONS OR STRUCTURES.
3. WHERE SHOWN ON THESE PLANS, DOWNSPOUTS SHALL BE CONNECTED TO SOLID STORM DRAIN PIPING PER DETAIL 6 ON SHEET C3.1.

FOR OFFICIAL USE ONLY

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. UNLESS OTHERWISE NOTED, ALL UTILITIES SHALL BE DELETED TO THE SURFACE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.



CIVIL IMPROVEMENT PLANS
UTILITY PLAN

PROJECT 95
9878 N KIRKPATRICK ST.
HAYDEN, ID 83835
APN: HL6730010030
PROJECT 23-046



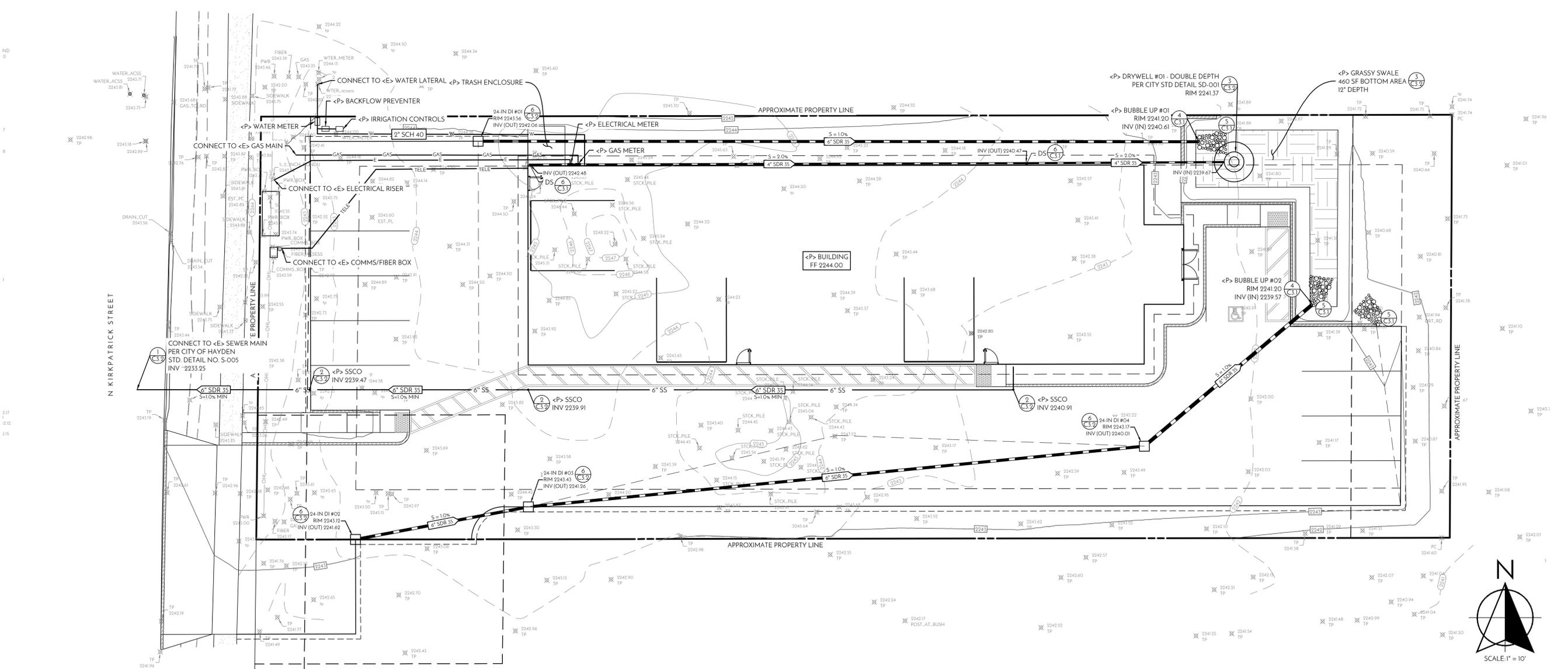
EVERY PERSON PLANNING TO DIG
CALL 800-451-7233 TO EXCAVATION

FOR MORE INFORMATION
SEE WWW.KOOTENAIACOUNTYBI.COM

DATE: 01/08/24
ISSUE: PERMIT SET

SHEET:

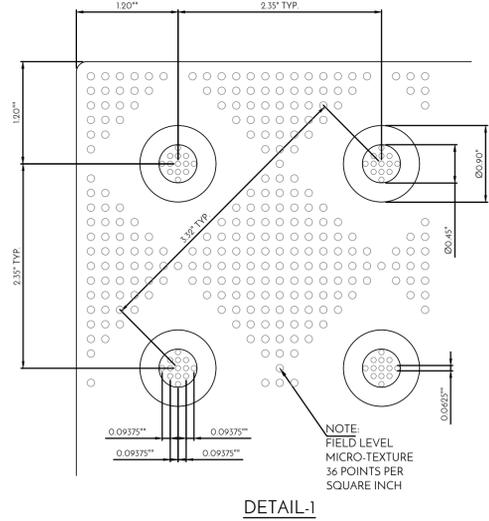
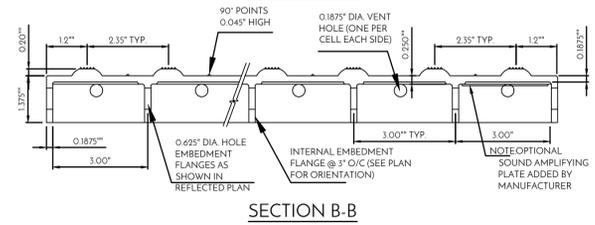
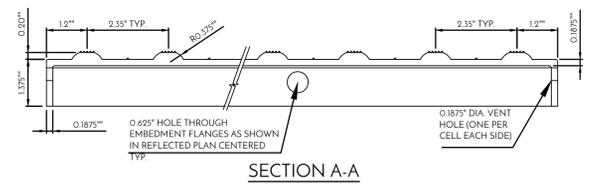
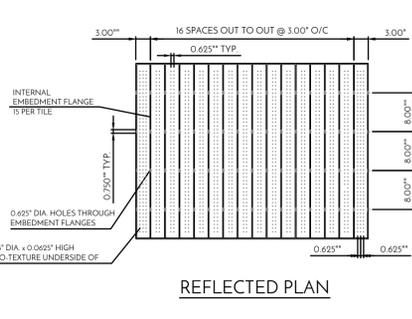
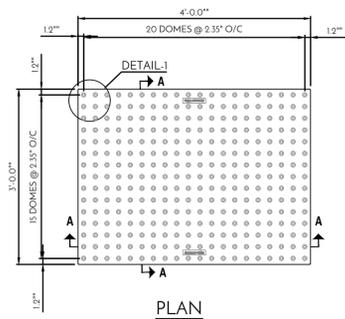
C3.0



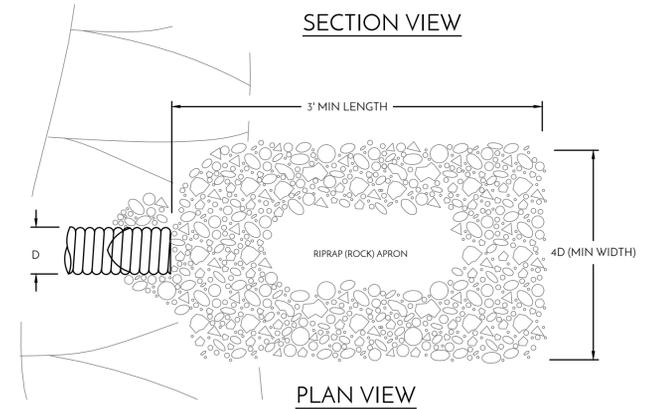
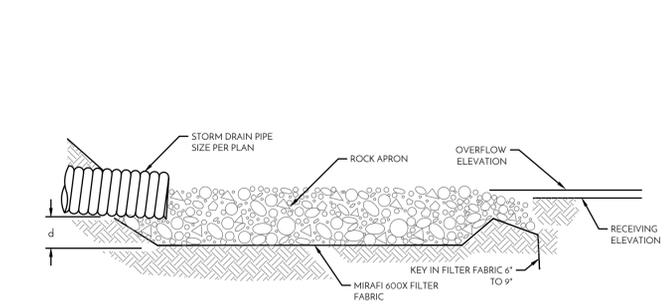
UTILITY PLAN



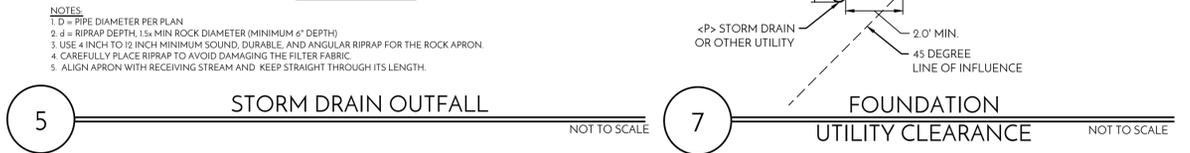
ND 0
7
6
3
217
212
216



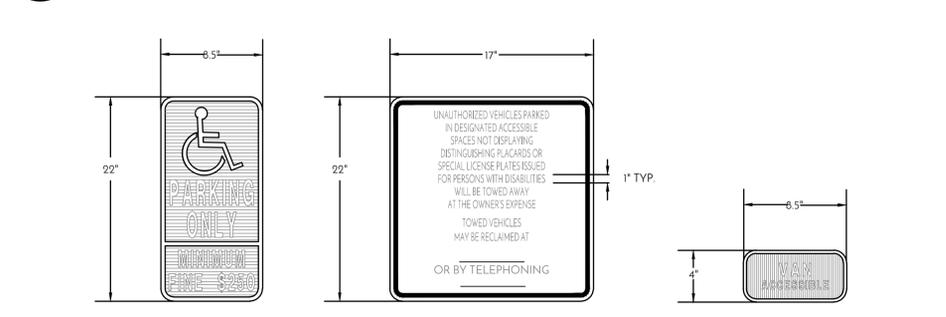
1 DETECTABLE/TACTILE WARNING SURFACE TILE ARMOR-TILE NOT TO SCALE



5 STORM DRAIN OUTFALL NOT TO SCALE



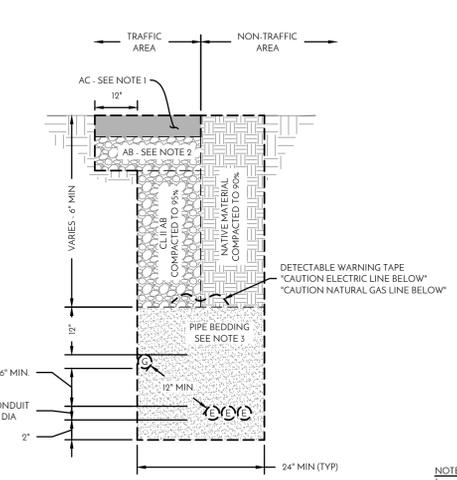
7 FOUNDATION UTILITY CLEARANCE NOT TO SCALE



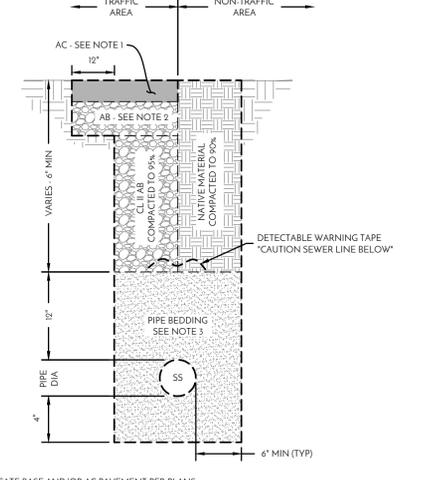
2A ACCESSIBLE PARKING SPOT VAN ACCESSIBLE NOT TO SCALE



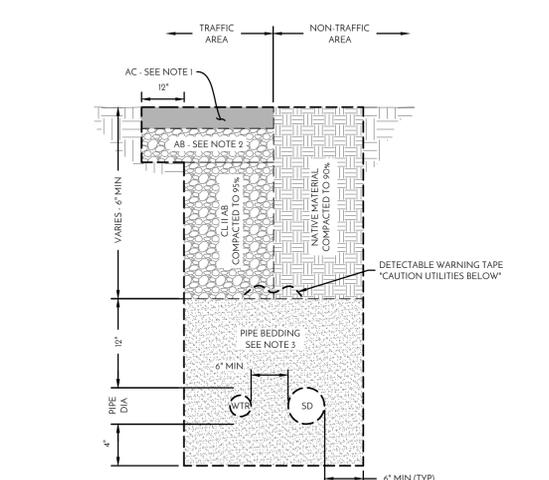
2B ACCESSIBLE PARKING SIGN VAN ACCESSIBLE NOT TO SCALE



8 TRENCH BACKFILL ELECTRICAL + NAT. GAS NOT TO SCALE



9 TRENCH BACKFILL SEWER ONLY NOT TO SCALE



10 TYPICAL TRENCH BACKFILL STORM DRAIN & WATER NOT TO SCALE

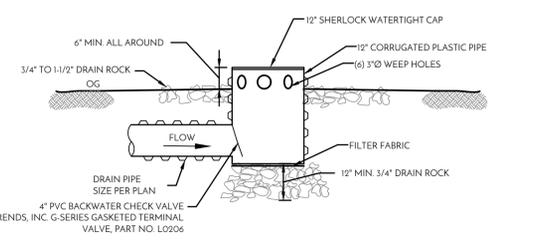
- NOTES:
 1. SIGN SHALL CONFORM TO CBC CHAPTER 18 STANDARDS
 2. SIGNS SHALL BE 60" ABOVE FINISH SURFACE ELEVATIONS
 3. ALL LINE WORK AND SYMBOLS SHALL BE BLUE

- NOTES:
 1. SIGN SHALL CONFORM TO CBC CHAPTER 18 STANDARDS
 2. SIGNS SHALL BE 60" ABOVE FINISH SURFACE ELEVATIONS

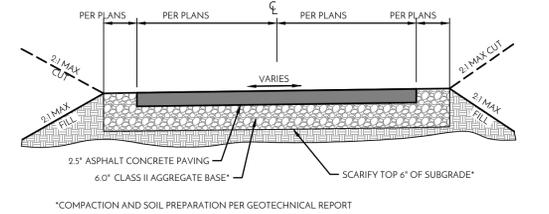
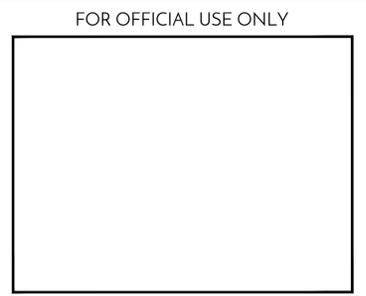
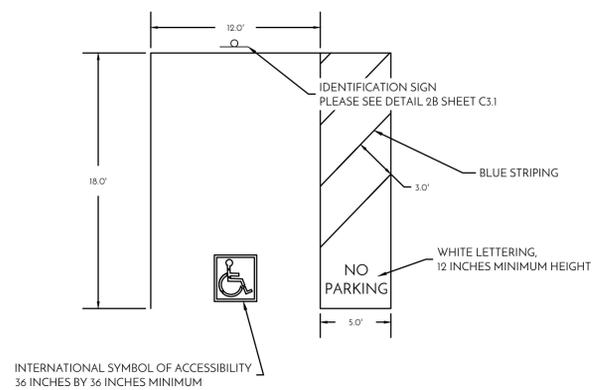
- NOTES:
 1. AGGREGATE BASE AND/OR AC PAVEMENT PER PLANS
 2. PIPE BEDDING: CLEAN GRADED, IMPORTED SAND. SUBGRADE (TOP OF BEDDING) SHALL BE COMPACTED TO A MINIMUM 95% DRY-IN-PLACE DENSITY IN TRAFFIC AREAS AND 90% DRY-IN-PLACE DENSITY IN NON-TRAFFIC AREAS AS DETERMINED BY ASTM D-1557
 3. FOR MULTIPLE SEWER PIPES WITHIN ONE TRENCH, MAINTAIN A 6" MINIMUM SEPARATION BETWEEN PIPES.

- NOTES:
 1. BUBBLE UP SHALL BE INSPECTED AT LEAST ONCE EACH YEAR AND ANY DEBRIS OR ACCUMULATED SEDIMENT SHALL BE REMOVED.
 2. RIM OF BUBBLE UP SHALL BE AT LEAST 12" HIGHER IN ELEVATION THAN THE RIM OF THE NEAREST DROP INLET OR AREA DRAIN.

3 ASPHALT DRIVEWAY SECTION NOT TO SCALE



4 STORM DRAIN BUBBLE UP NOT TO SCALE



CONTRACTOR'S RESPONSIBILITY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING UNDER OR ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING UNDER OR ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES EXISTING UNDER OR ADJACENT TO THE PROJECT.

madrone engineering
 99 South Hobson
 Tel: 508-594-9927

CIVIL IMPROVEMENT PLANS
 DETAILS

PROJECT 95
 9878 N KIRKPATRICK ST.
 HAYDEN, ID 83835
 APN: HL6730010030
 PROJECT 23-046

PROFESSIONAL ENGINEER
 LICENSED
 22685
 J. L. DICKERS
 STATE OF IDAHO

EVERY PERSON PLANNING TO DIG
 CALL KUCO AT 800-850-2529 TO DETERMINE

DATE: 01/08/24 ISSUE: PERMIT SET

SHEET:
C3.1

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF HAYDEN AND THE STATE OF IDAHO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF HAYDEN AND THE STATE OF IDAHO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF HAYDEN AND THE STATE OF IDAHO.

madrone
engineering
29 South Hobart
Idaho Falls, ID 83402
Tel: 208-344-9272

CIVIL IMPROVEMENT PLANS
DETAILS

PROJECT 95
9878 N KIRKPATRICK ST.
HAYDEN, ID 83835
APN: HL6730010030
PROJECT 23-046

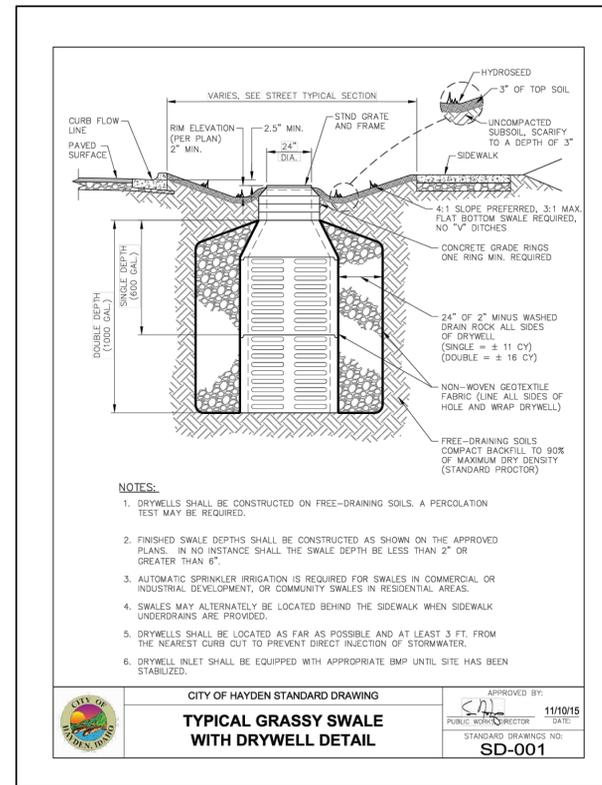
PROFESSIONAL ENGINEER
LICENSED
22685
STATE OF IDAHO
JOE DICKERSON

EVERY PERSON PLANNING TO DIG
CALL KUCU AT 800-888-2848

DATE: 01/08/24 ISSUE: PERMIT SET

SHEET:

C3.2

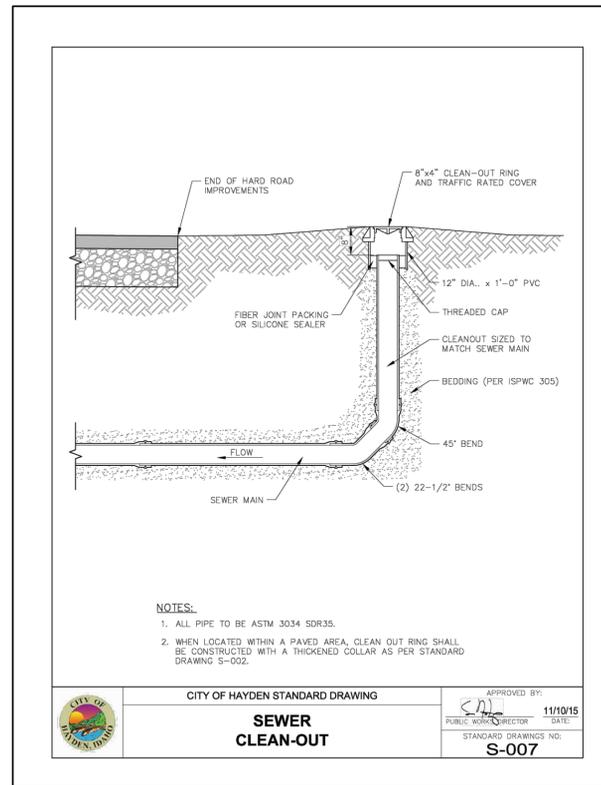


NOTES:

1. DRYWELLS SHALL BE CONSTRUCTED ON FREE-DRAINING SOILS. A PERCOLATION TEST MAY BE REQUIRED.
2. FINISHED SWALE DEPTHS SHALL BE CONSTRUCTED AS SHOWN ON THE APPROVED PLANS. IN NO INSTANCE SHALL THE SWALE DEPTH BE LESS THAN 2" OR GREATER THAN 6".
3. AUTOMATIC SPRINKLER IRRIGATION IS REQUIRED FOR SWALES IN COMMERCIAL OR INDUSTRIAL DEVELOPMENT, OR COMMUNITY SWALES IN RESIDENTIAL AREAS.
4. SWALES MAY ALTERNATELY BE LOCATED BEHIND THE SIDEWALK WHEN SIDEWALK UNDERDRAINS ARE PROVIDED.
5. DRYWELLS SHALL BE LOCATED AS FAR AS POSSIBLE AND AT LEAST 3 FT. FROM THE NEAREST CURB CUT TO PREVENT DIRECT INJECTION OF STORMWATER.
6. DRYWELL INLET SHALL BE EQUIPPED WITH APPROPRIATE BMP UNTIL SITE HAS BEEN STABILIZED.

CITY OF HAYDEN STANDARD DRAWING
TYPICAL GRASSY SWALE WITH DRYWELL DETAIL
APPROVED BY: [Signature] DATE: 11/10/15
PUBLIC WORKS DIRECTOR
STANDARD DRAWINGS NO. SD-001

3 CITY OF HAYDEN STANDARD DETAIL No. SD-001 NOT TO SCALE

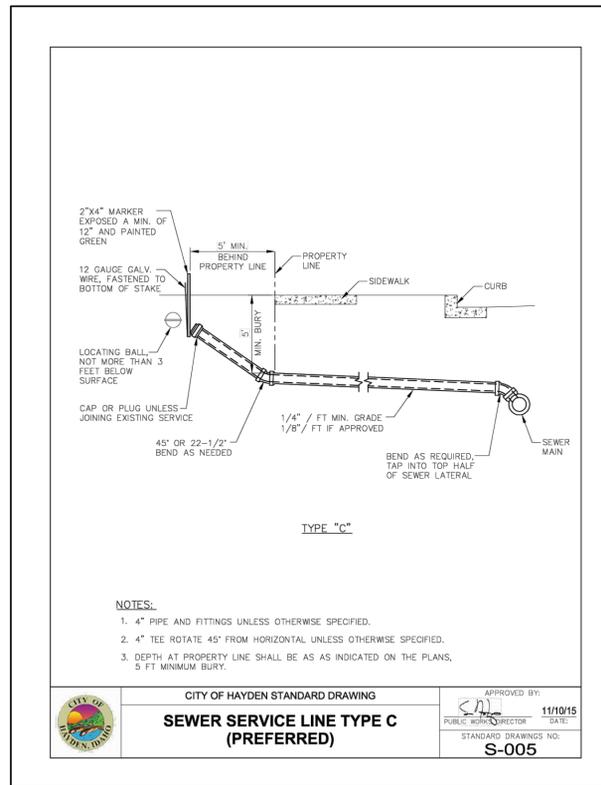


NOTES:

1. ALL PIPE TO BE ASTM 3034 SDR35.
2. WHEN LOCATED WITHIN A PAVED AREA, CLEAN OUT RING SHALL BE CONSTRUCTED WITH A THICKENED COLLAR AS PER STANDARD DRAWING S-002.

CITY OF HAYDEN STANDARD DRAWING
SEWER CLEAN-OUT
APPROVED BY: [Signature] DATE: 11/10/15
PUBLIC WORKS DIRECTOR
STANDARD DRAWINGS NO. S-007

2 CITY OF HAYDEN STANDARD DETAIL No. S-007 NOT TO SCALE

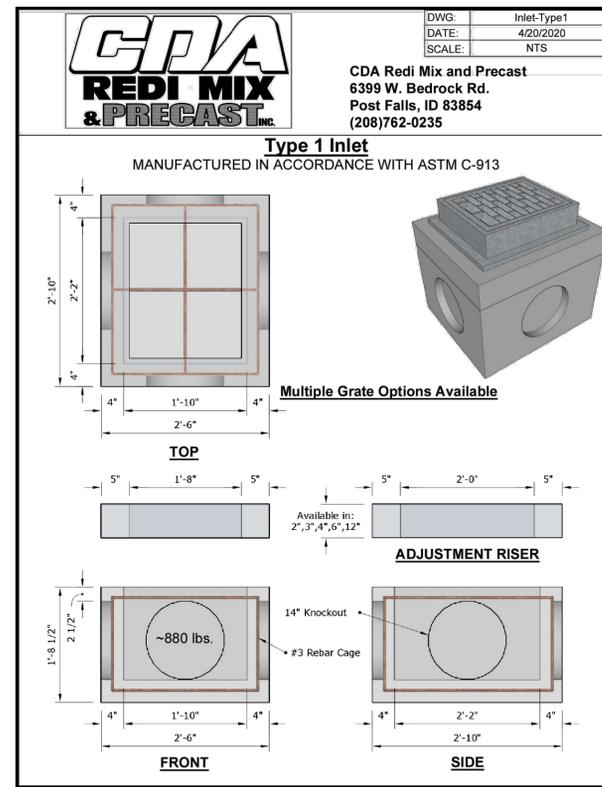


NOTES:

1. 4" PIPE AND FITTINGS UNLESS OTHERWISE SPECIFIED.
2. 4" TEE ROTATE 45° FROM HORIZONTAL UNLESS OTHERWISE SPECIFIED.
3. DEPTH AT PROPERTY LINE SHALL BE AS INDICATED ON THE PLANS, 5 FT MINIMUM BURY.

CITY OF HAYDEN STANDARD DRAWING
SEWER SERVICE LINE TYPE C (PREFERRED)
APPROVED BY: [Signature] DATE: 11/10/15
PUBLIC WORKS DIRECTOR
STANDARD DRAWINGS NO. S-005

1 CITY OF HAYDEN STANDARD DETAIL No. S-005 NOT TO SCALE

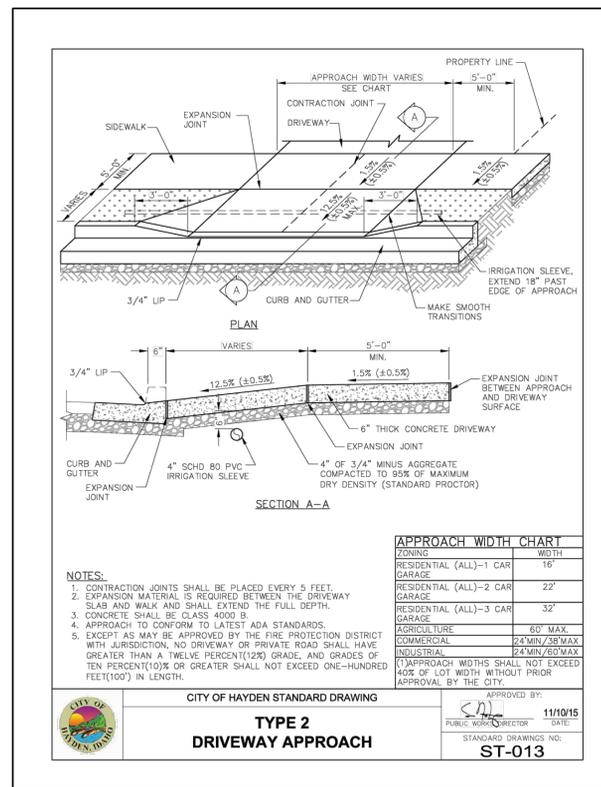


TOP

FRONT

SIDE

6 CDA REDI MIX & PRECAST INC. TYPE 1 INLET NOT TO SCALE



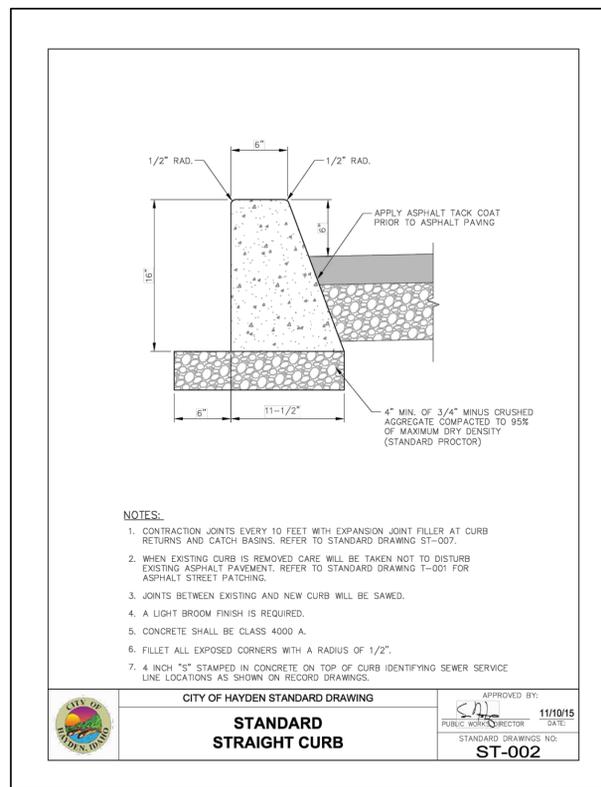
NOTES:

1. CONTRACTION JOINTS SHALL BE PLACED EVERY 5 FEET.
2. EXPANSION MATERIAL IS REQUIRED BETWEEN THE DRIVEWAY SLAB AND WALK AND SHALL EXTEND THE FULL DEPTH.
3. CONCRETE SHALL BE CLASS 4000 B.
4. APPROACH TO CONFORM TO LATEST ADA STANDARDS.
5. EXCEPT AS MAY BE APPROVED BY THE FIRE PROTECTION DISTRICT WITH JURISDICTION, NO DRIVEWAY OR PRIVATE ROAD SHALL HAVE GREATER THAN A TWELVE PERCENT (12%) GRADE, AND GRADES OF TEN PERCENT (10%) OR GREATER SHALL NOT EXCEED ONE HUNDRED FEET (100') IN LENGTH.

APPROACH WIDTH	CHONING WIDTH
RESIDENTIAL (ALL)-1 CAR GARAGE	16"
RESIDENTIAL (ALL)-2 CAR GARAGE	22"
RESIDENTIAL (ALL)-3 CAR GARAGE	32"
AGRICULTURE	60" MAX.
COMMERCIAL	24 MIN/58 MAX
INDUSTRIAL	24 MIN/60 MAX

CITY OF HAYDEN STANDARD DRAWING
TYPE 2 DRIVEWAY APPROACH
APPROVED BY: [Signature] DATE: 11/10/15
PUBLIC WORKS DIRECTOR
STANDARD DRAWINGS NO. ST-013

5 CITY OF HAYDEN STANDARD DETAIL No. ST-013 NOT TO SCALE



NOTES:

1. CONTRACTION JOINTS EVERY 10 FEET WITH EXPANSION JOINT FILLER AT CURB RETURNS AND CATCH BASINS. REFER TO STANDARD DRAWING ST-007.
2. WHEN EXISTING CURB IS REMOVED CARE WILL BE TAKEN NOT TO DISTURB EXISTING ASPHALT PAVEMENT. REFER TO STANDARD DRAWING T-001 FOR ASPHALT STREET PATCHING.
3. JOINTS BETWEEN EXISTING AND NEW CURB WILL BE SAWS.
4. A LIGHT BROOM FINISH IS REQUIRED.
5. CONCRETE SHALL BE CLASS 4000 A.
6. FILLET ALL EXPOSED CORNERS WITH A RADIUS OF 1/2".
7. A 1/2" X 1/2" STAMPED IN CONCRETE ON TOP OF CURB IDENTIFYING SEWER SERVICE LINE LOCATIONS AS SHOWN ON RECORD DRAWINGS.

CITY OF HAYDEN STANDARD DRAWING
STANDARD STRAIGHT CURB
APPROVED BY: [Signature] DATE: 11/10/15
PUBLIC WORKS DIRECTOR
STANDARD DRAWINGS NO. ST-002

4 CITY OF HAYDEN STANDARD DETAIL No. ST-002 NOT TO SCALE