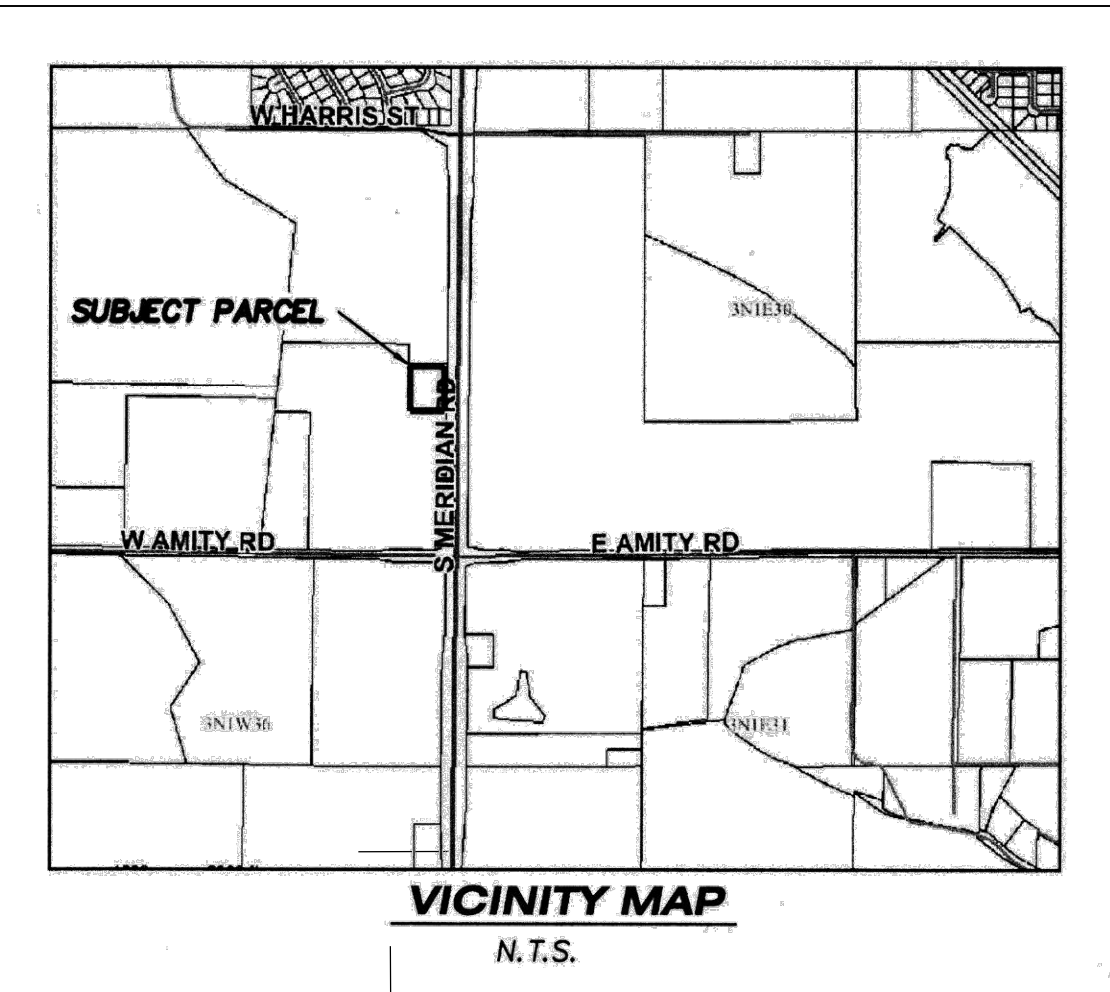


LEGEND

- FOUND 1/2" REBAR "AS NOTED"
- FOUND 5/8" REBAR "AS NOTED"
- FOUND ALUMINUM CAP
- MAIL BOX
- ↑ SIGN POST
- ⊗ POST/ BOLLARD
- ⊠ IRRIGATION CONTROL BOX
- ⊠ IRRIGATION CONTROL VALVE
- PIPE INVERT
- TOP OF PIPE
- WATER SPIGOT
- WATER MANHOLE
- ⊠ TELEPHONE RISER
- ⊠ ELECTRICAL BOX
- LIGHT POLE
- POWER POLE
- PROPERTY BOUNDARY (LOT)
- SECTION LINE
- RIGHT OF WAY LINE
- EP — EP EXISTING EDGE OF PAVEMENT
- W — W EXISTING WATER LINE
- X — X EXISTING FENCE
- POW — POW EXISTING POWER LINE
- GB — GB EXISTING GRADE BREAK
- T — T PHONE LINE
- TOE — TOE TOE OF BANK
- — SIDWALK
- TOP — TOP TOP OF BANK
- ~ ~ ~ TREE DRIP LINE



ELEVATIONS

GENERAL NOTES

1. TOTAL PARCEL AREA: +/- 1.59 ACRES
2. CURRENT ZONE: RUT
3. PROPOSED ZONE LO
4. IMPACT AREA: CITY OF MERIDIAN
5. EXISTING BUILDING SHALL REMAIN +/- 8740 SF
6. EXISTING LANDSCAPE BUFFER ALONG MERIDIAN ROAD TO REMAIN
7. SITE LIGHTING: 6 EXISTING FRONT-EVE MOUNTED, DOWNWARD FACING CANNED FLOOD LIGHTS ON MOTION SENSORS WILL REMAIN. SAID LIGHTING COMPILES WITH ACC 8-4H-6D & LIGHT DOES NOT TRESPASS ONTO ADJACENT PARCELS.
8. SIGN PLAN: BUSINESS SIGN NOT REQUESTED AT THIS TIME. AT A LATER DATE, SAID SIGN SHALL BE INCLUDED WITH THE APPROPRIATE BUILDING PERMIT.
9. OVERLAY DISTRICT: NONE
10. PARKING REQUIRED: 14 STALLS
11. PARKING PROVIDED: 39 STALLS (INCLUDING 1 HANDICAPPED STALL), 9'W x 20'L
12. SITE ACCESS: EXISTING MERIDIAN ROAD APPROACH TO BE UTILIZED UNTIL ADJACENT LAND DEVELOPS AND PROVIDES FOR NEW APPROACH PER ITD AND CITY REQUIREMENTS.
13. OWNER AGREES TO ANNEX INTO THE CITY OF MERIDIAN WHEN THE SUBJECT PARCEL IS ELIGIBLE FOR ANNEXATION.
14. SEWER: EXISTING SEPTIC TO BE UTILIZED UNTIL CITY SEWER IS ADJACENT TO THE PARCEL. OWNER SHALL FILE AN ACCESSORY USE APPLICATION TO THE CENTRAL DISTRICT HEALTH DEPARTMENT.
15. POTABLE WATER: EXISTING DOMESTIC WELL TO BE UTILIZED UNTIL CITY WATER IS ADJACENT TO THE PARCEL.
16. PAVING MATERIAL SHALL CONSIST OF 4" MIN OF 3/4" CRUSHED AGGREGATE WITH 2.5" MIN OF RECYCLED ASPHALT SURFACE.
17. THE EXISTING LANDSCAPING IS SERVED WITH A PRESSURIZED SYSTEM VIA THE EXISTING WELL.
18. A MINIMUM OF 1 BICYCLE PARKING PLACE WITH WHEEL RACK SHALL BE PROVIDED.
19. A LOADING ZONE SHALL BE PROVIDED.
20. FLOOD LIGHTS INDICATED ON SIDE AND REAR OF BUILDING.
21. CAN LIGHTS INDICATED BY FRONT DOORS.
22. POST LIGHTS INDICATED AT ENTRANCE OF PROPERTY.

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Phone (208) 955-8126

MASTER SITE PLAN
 ADVENTURE CHURCH
 4495 S MERIDIAN ROAD
 AD COUNTY MERIDIAN IDAHO
 MUSSELL CONSTRUCTION

NO.	DATE	BY	DESCRIPTION

FILE NUMBER:
202993

DESIGNED BY:
C. KENYON

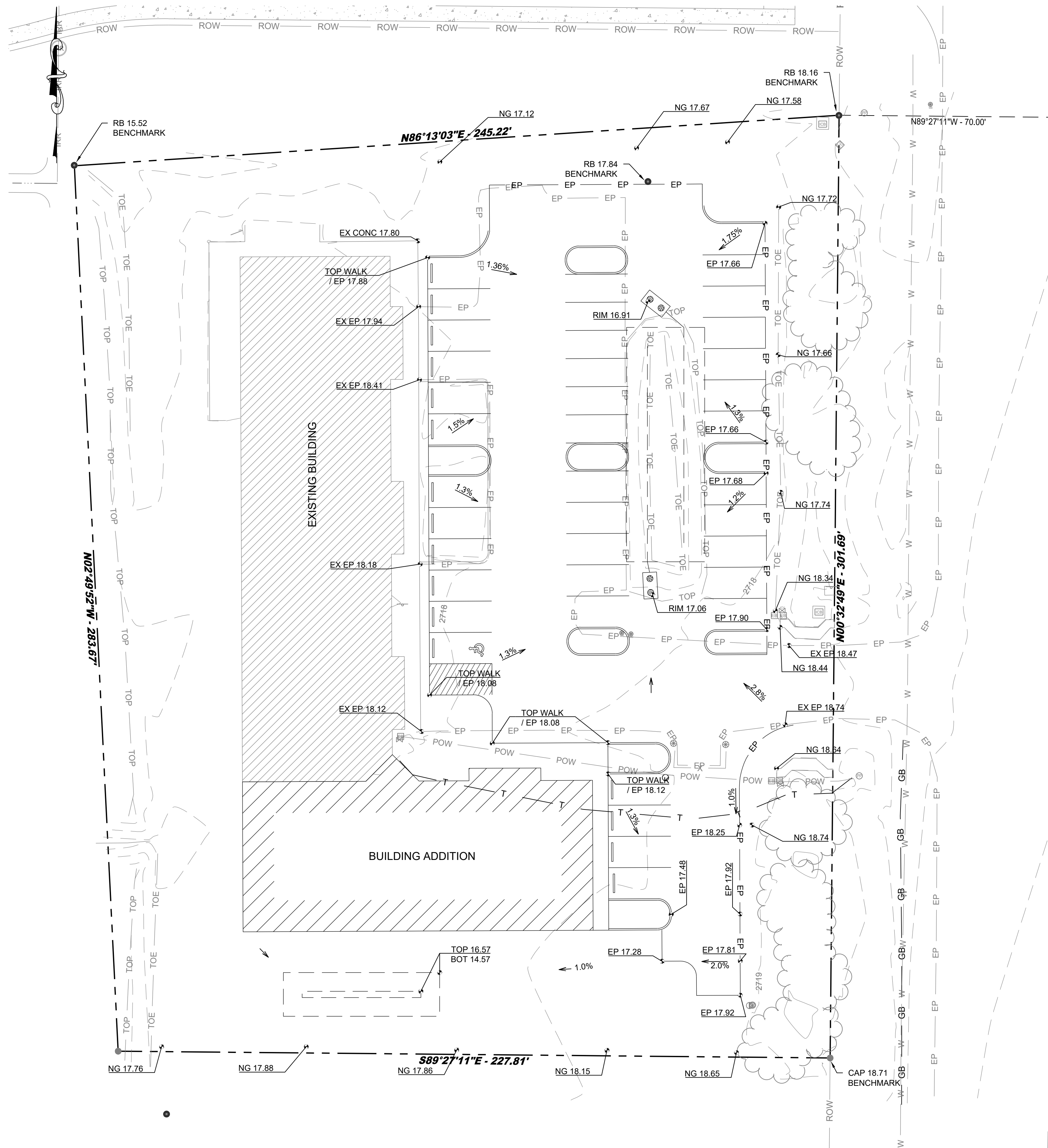
DRAWN BY:
C. KENYON

DATE

SHEET NUMBER:
CS-101

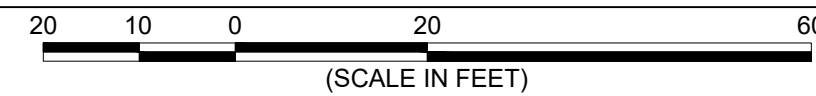
1 OF 4

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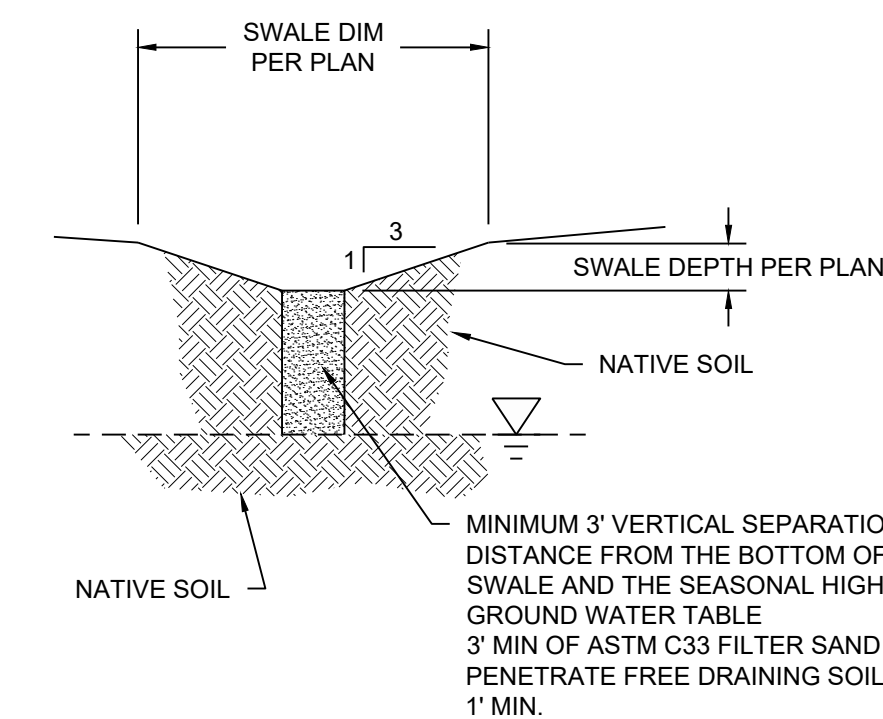
GRADING AND DRAINAGE PLAN

1:20 (22x34 FULL SIZE)



LEGEND

- FOUND 1/2" REBAR "AS NOTED"
- FOUND 5/8" REBAR "AS NOTED"
- FOUND ALUMINUM CAP
- MAIL BOX
- ⊕ SIGN POST
- ⊕ POST/ BOLLARD
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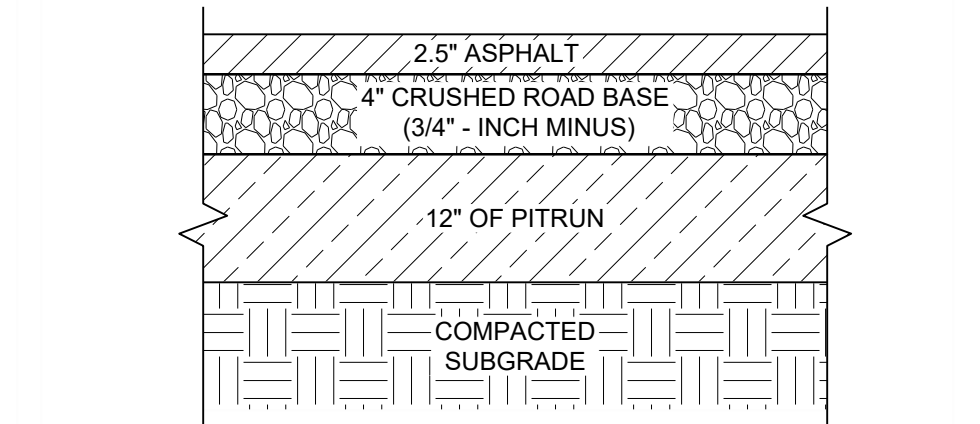
A2 DETAIL
NTS

GENERAL NOTES

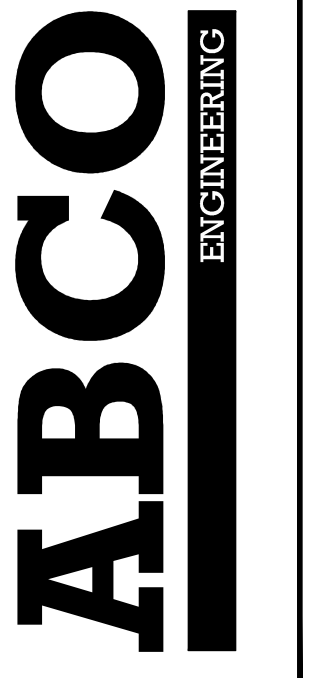
1. THE TOPOGRAPHIC SURVEY WAS PERFORMED BY TIMBERLINE LAND SURVEYING, DECEMBER 2020.
2. ELEVATIONS ON PLAN HAVE BEEN TRUNCATED BY 2700 FEET.
3. MAXIMUM SLOPE TO BE 2.5:1.
4. IT IS ASSUMED THERE WILL BE NO RUNOFF FROM ADJACENT PROPERTIES ENTERING THE DRAINAGE FACILITIES.
5. ALL CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ISPWC (IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION).
6. THE CONTRACTOR SHALL CONSTRUCT ALL NEW FACILITIES BOTH INSIDE AND OUTSIDE OF BUILDINGS TO MEET OR EXCEED ADA STANDARDS.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS ON SITE. THE CONTRACTOR SHALL FIELD VERIFY ELEVATIONS OF EXISTING MATCH POINTS PRIOR TO CONSTRUCTION. ANY CHANGES WHICH DEVIATE FROM THESE PLANS MUST BE APPROVED PRIOR TO CONSTRUCTING.
8. ONLY APPROVED PLAN SETS SHALL BE USED BY THE PROJECT CONTRACTOR AND SHALL BE KEPT ON SITE AT ALL TIMES.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK NECESSARY FOR FINAL ACCEPTANCE OF WORK FROM OWNER OR ANY OTHER GOVERNING AGENCY INCLUDING BUT NOT LIMITED TO AS-BUILT DRAWINGS, INSPECTIONS, TESTING REPORTS, AND CERTIFICATIONS.
10. CONTRACTOR SHALL OBTAIN ALL APPLICABLE CONSTRUCTION PERMITS. THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY PERMITS AND FEES.
11. THE COST OF VARIOUS FENCE, GUARD RAIL, LANDSCAPING, IRRIGATION SYSTEM, MAILBOX, SIGN, ETC. REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THIS PROJECT.
12. ALL ASPHALT MATCH LINES FOR PAVEMENT REPAIR OR REPLACEMENT SHALL BE PARALLEL TO THE CENTERLINE OF THE STREET AND INCLUDE ANY AREA DAMAGED BY EQUIPMENT DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL PROVIDE OR MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
14. 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.
15. THE CROSS SLOPE OF ALL SIDEWALKS SHALL NOT EXCEED 2% (1.75% IS TARGET).

ABBREVIATIONS

BENCH MARK	BM
EDGE OF PAVEMENT	EP
ELEVATION	EL
EXISTING	EX
FINISH GRADE	FG
NATURAL GROUND	NG
GRADE BREAK	GB
INVERT	INV
MATCH	MA
RADIUS	R
REBAR	RB
RIM OF FEATURE	RIM
TOP OF CONCRETE	TC
TOP OF ASPHALT	TA
WATER METER	WM



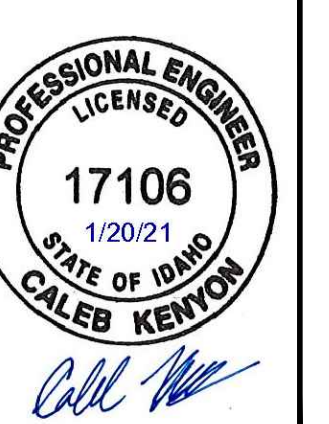
A1 PAVEMENT SECTION
NTS



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GRADING AND DRAINAGE PLAN
ADVENTURE CHURCH
4495 S MERIDIAN ROAD
AD COUNTY MERIDIAN IDAHO
MUSSELL CONSTRUCTION

NO.	DATE	BY	DESCRIPTION

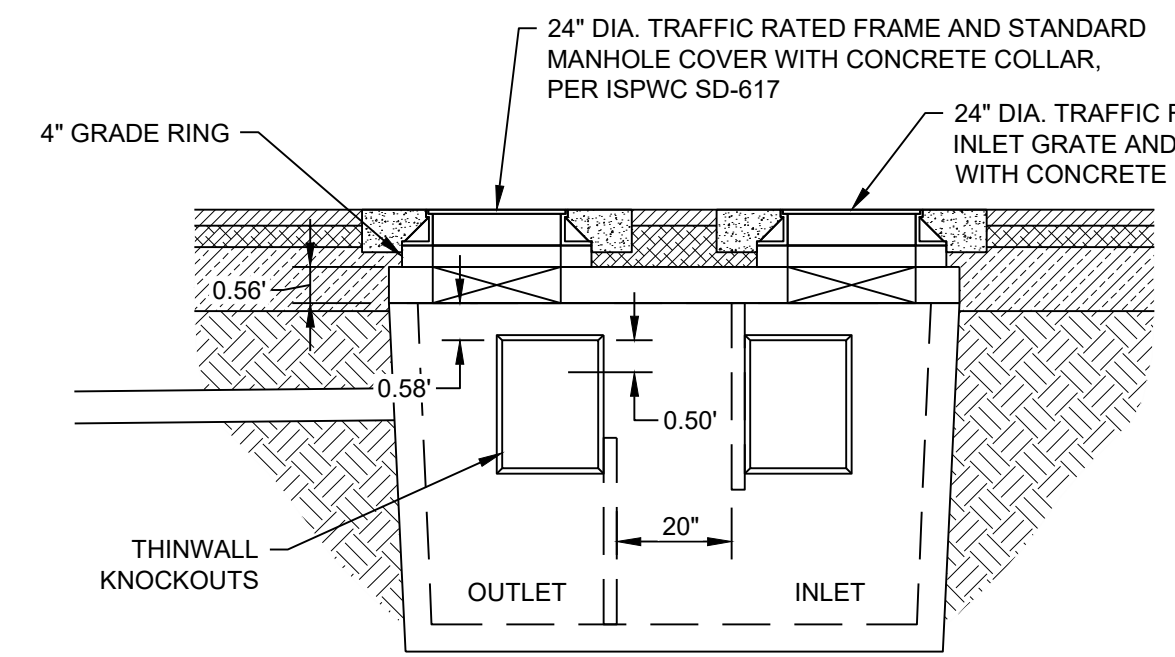
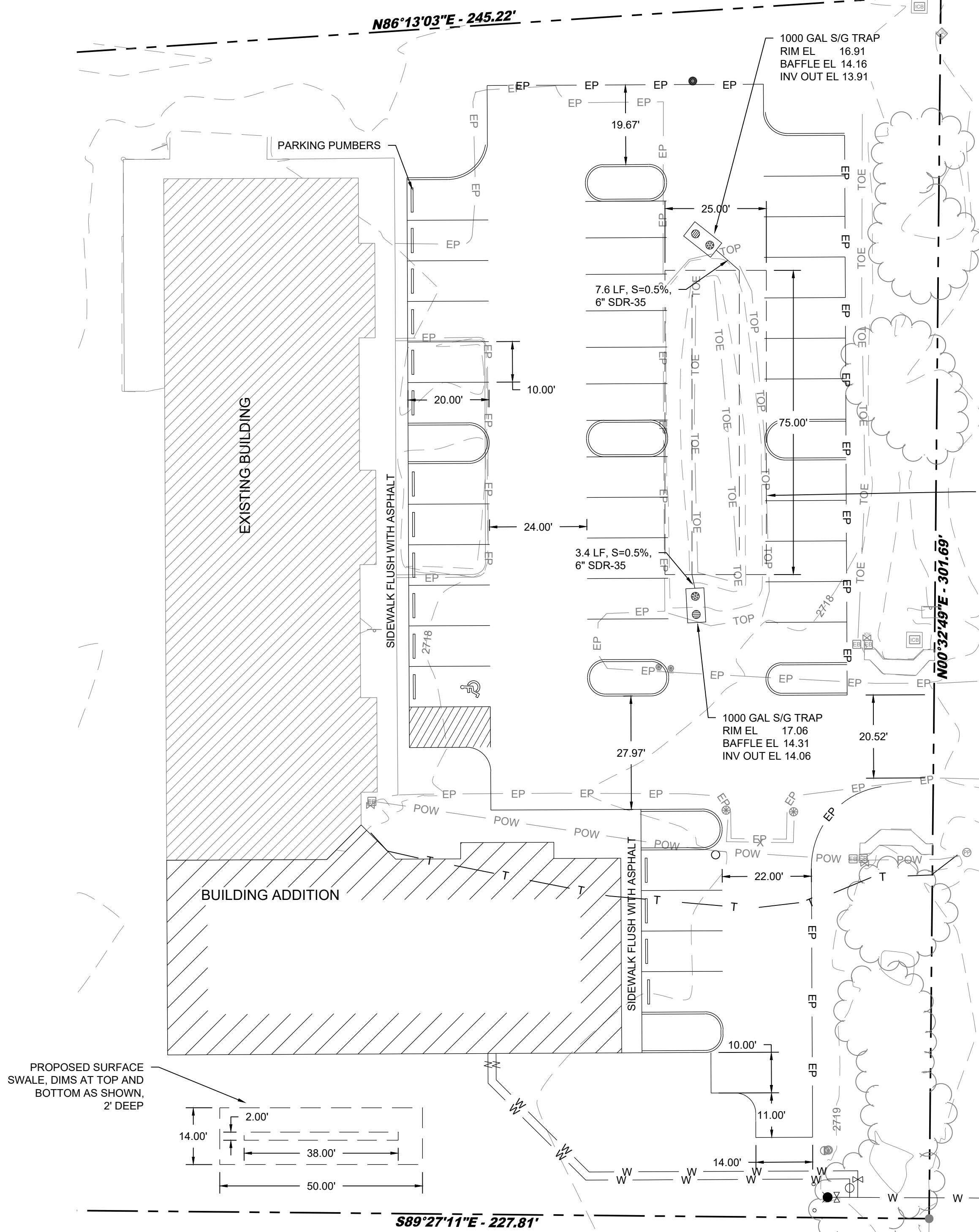


FILE NUMBER:
202993
DESIGNED BY:
C. KENYON
DRAWN BY:
C. KENYON
DATE
January 2021

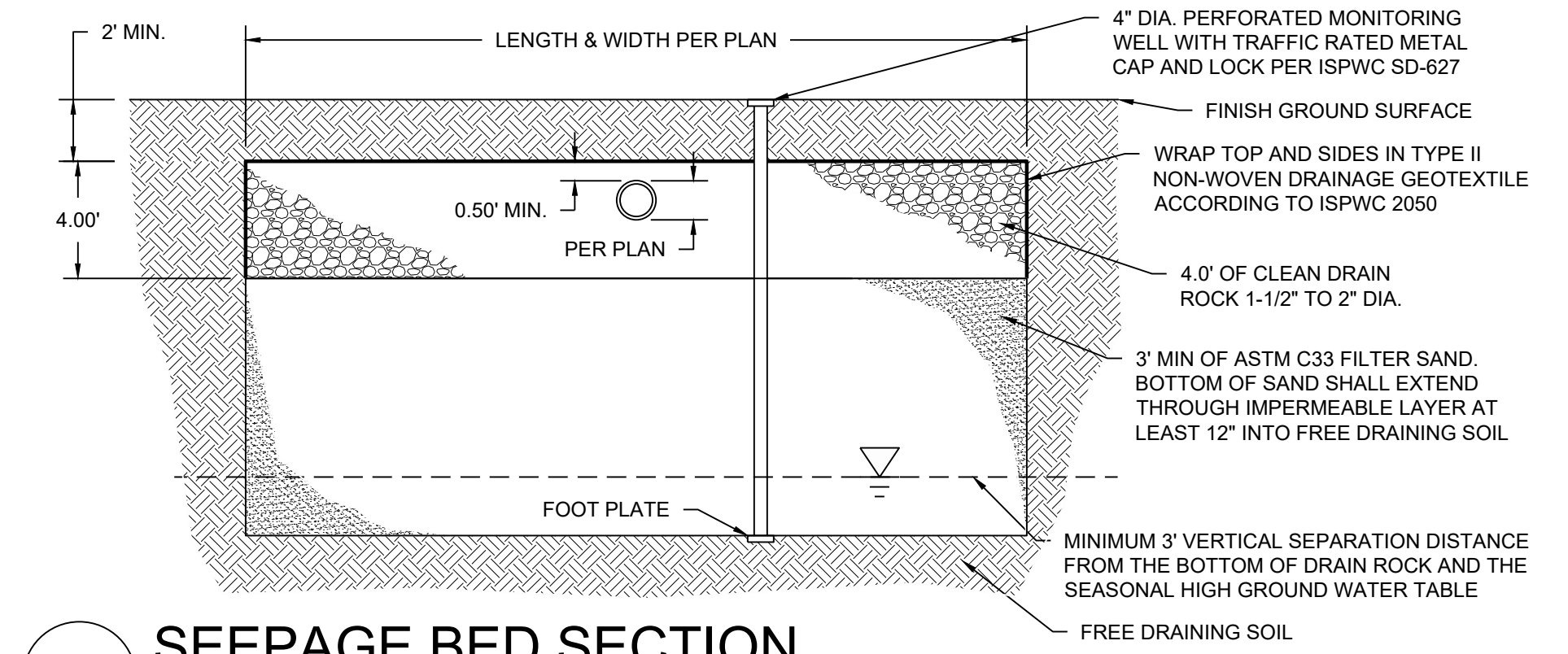
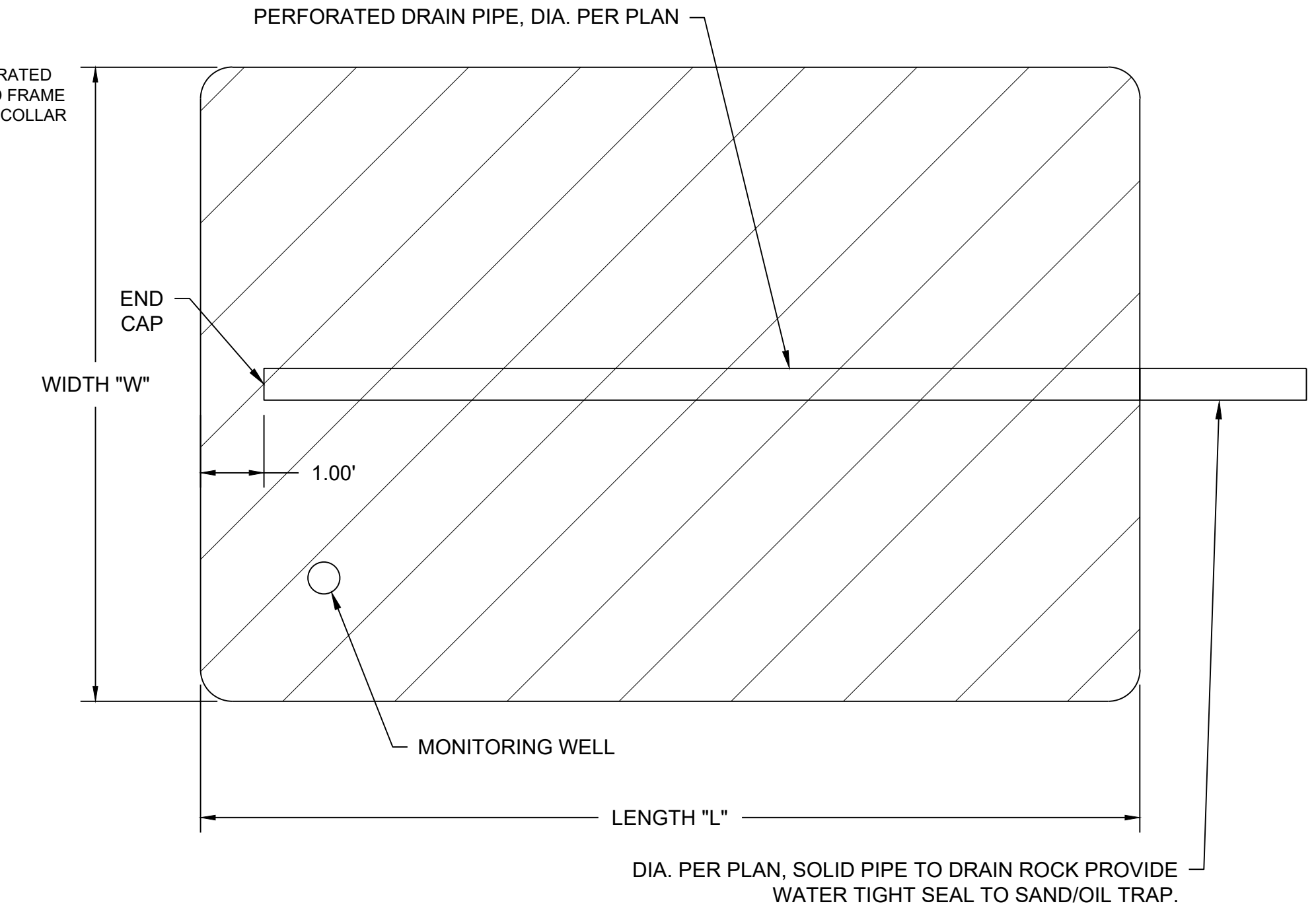
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CS-102

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 PLOTTED BY: CALEB KENYON



1,000 GALLON SAND AND OIL TRAP
 B2
 NTS



B1 SEEPAGE BED SECTION
 NTS

ABC0
ENGINEERING

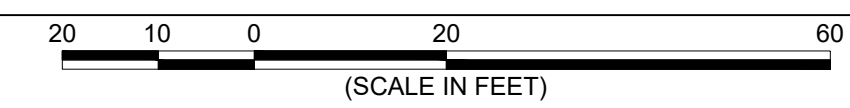
202993-Adventure Church Addition Stormwater Volume Calculation

Area 1 Seepage bed 1				Area 2 Seepage bed 2			
Total Area (sf)	52,432.00	Impervious Area (sf)	36,895.00	Total Area (sf)	17,656.00	Impervious Area (sf)	6,233.00
Impervious Area Coefficient	0.95	Pervious Area (sf)	15,537.00	Impervious Area Coefficient	0.95	Pervious Area (sf)	11,423.00
Pervious Area Coefficient	0.3	Rainfall (in)	1	Pervious Area Coefficient	0.3	Rainfall (in)	1
Volume of SW on site (cf)	388.43	Volume of SW on site (cf)	285.58	Volume of SW on site (cf)	285.58	Volume of SW on site (cf)	285.58
Volume of SW infiltrated (cf)	1,250.00	Volume of SW infiltrated (cf)	50.67	Volume of SW infiltrated (cf)	50.67	Volume of SW infiltrated (cf)	50.67
Total SW on site (cf)	2,059.28	Total SW on site (cf)	728.35	Total SW on site (cf)	728.35	Total SW on site (cf)	728.35

Storage	Location	Porosity (%)	Field 1			Storage Volume	Field 2			Storage Volume	
			Length (ft)	Width (ft)	Depth (ft)		Area Top (sqft)	Area Bot (sqft)	Area Avg (sqft)		
	Drain Rock Swale	0.3	75	25	4	2,250.0	700	76	388	2.0	776.0
	TOTAL	1				2,250.0					776.0

Infiltration 24 hr check		Soil Type		Sand and Gravel	
Infiltration Rate (in/hr)	8	Infiltrate Area (SF)	1,875.0	Depth to Infiltrate (in)	13.179
Time of Infiltration (Hr)	1.647	Infiltrate Area (SF)	76	Depth to Infiltrate (in)	115.003
Time of Infiltration (Hr)	14.375				

SITE PLAN
 1:20 (22x34 FULL SIZE)

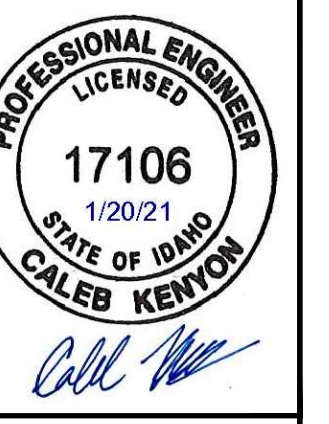


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SITE PLAN
 ADVENTURE CHURCH
 4495 S MERIDIAN ROAD
 AD COUNTY
 MERIDIAN IDAHO
 MUSSELL CONSTRUCTION

NO.	DATE	BY	DESCRIPTION



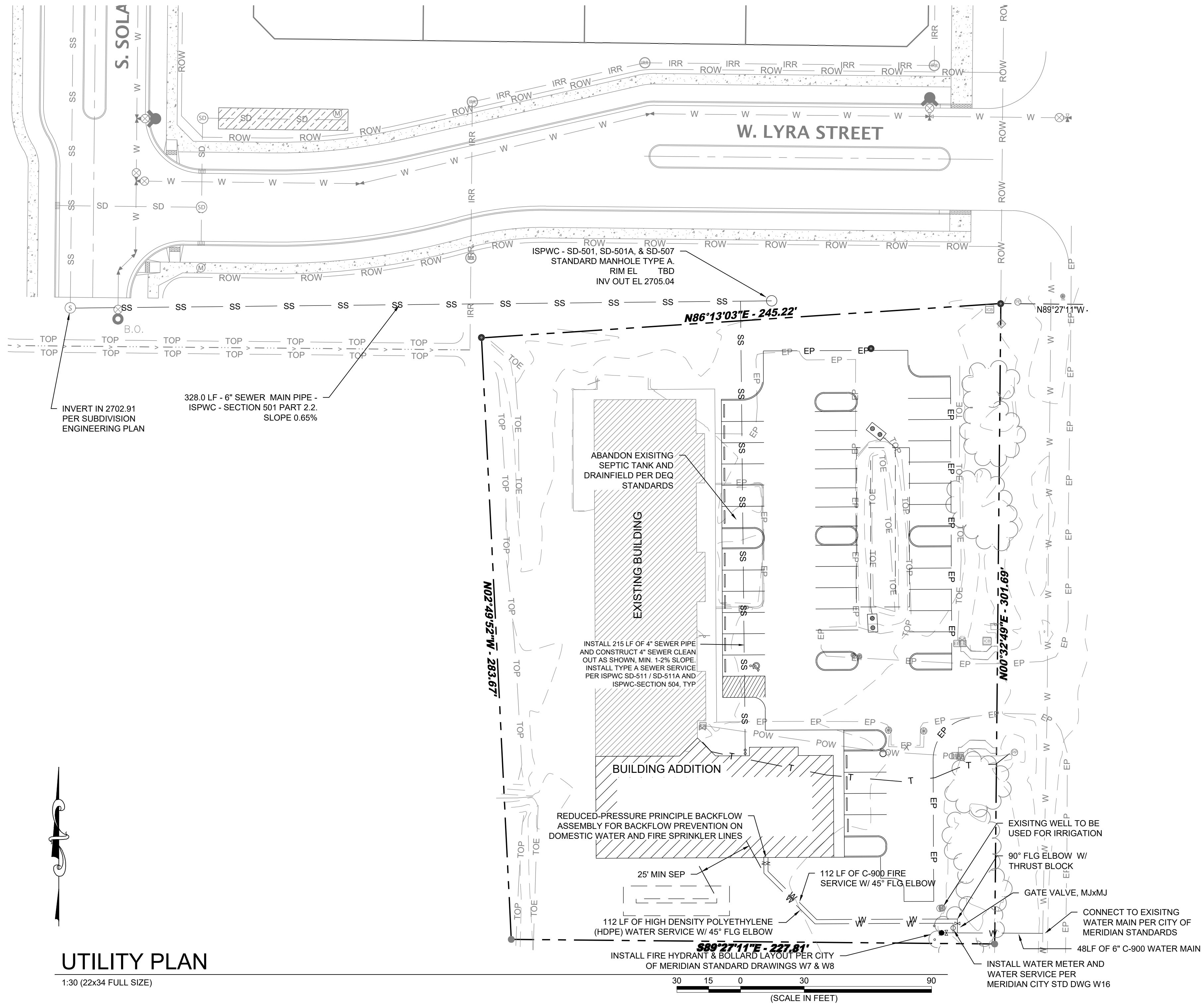
FILE NUMBER:
 202993

DESIGNED BY:
 C. KENYON
 DRAWN BY:
 C. KENYON
 DATE

SHEET NUMBER:

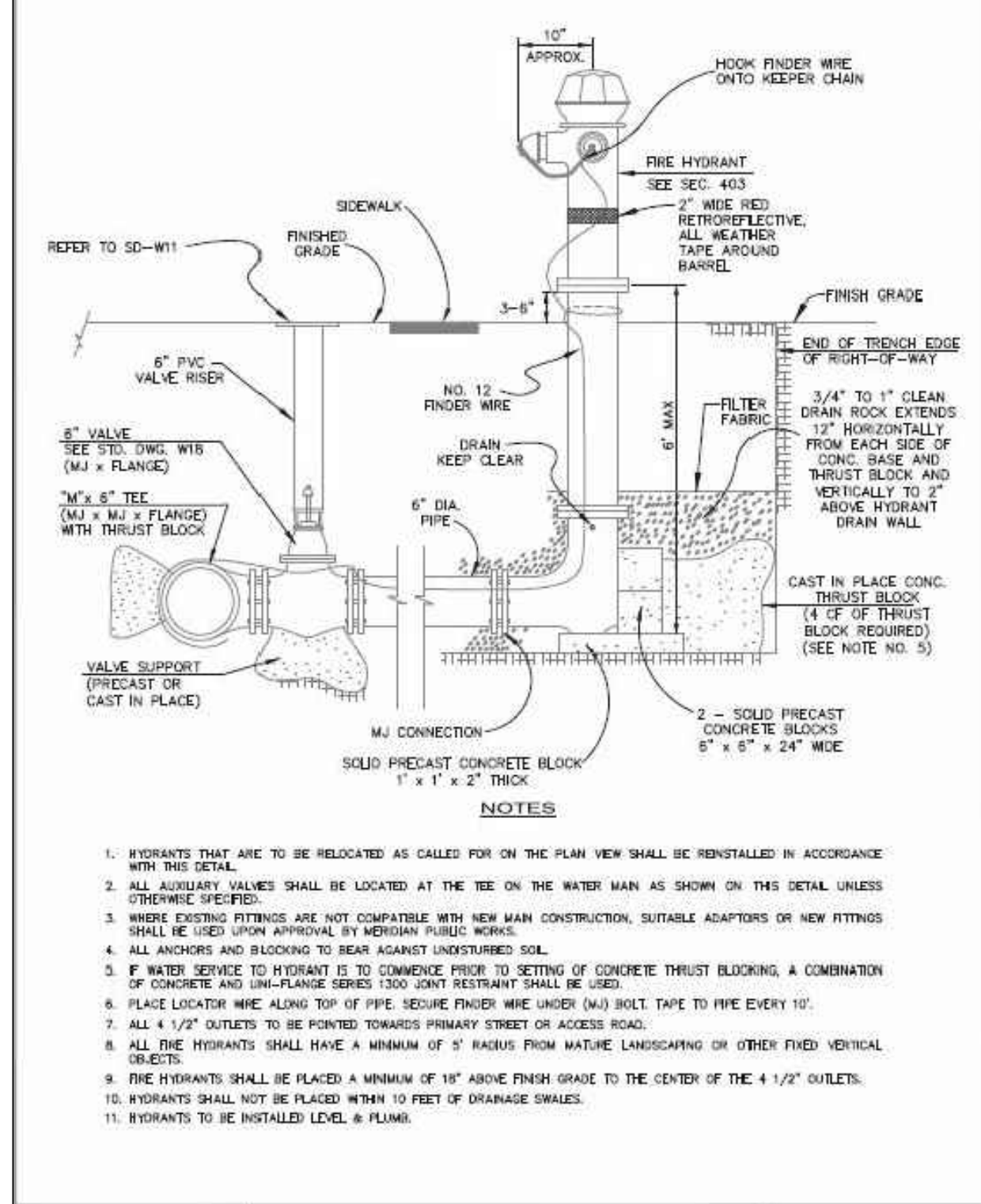
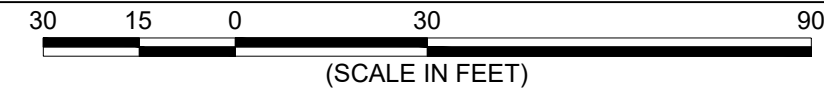
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PLOTTED BY: CALEB KENYON DATE PLOTTED: 1/20/2021 1:50:21 PM PATH: A:\ABCO ENGINEERING\JOBS LANDED\202993-ADVENTURE CHURCH ADDITION (MUSSELL)\00 ABCO CAD\202993-04 - CS-104.DWG



UTILITY PLAN

1:30 (22x34 FULL SIZE)



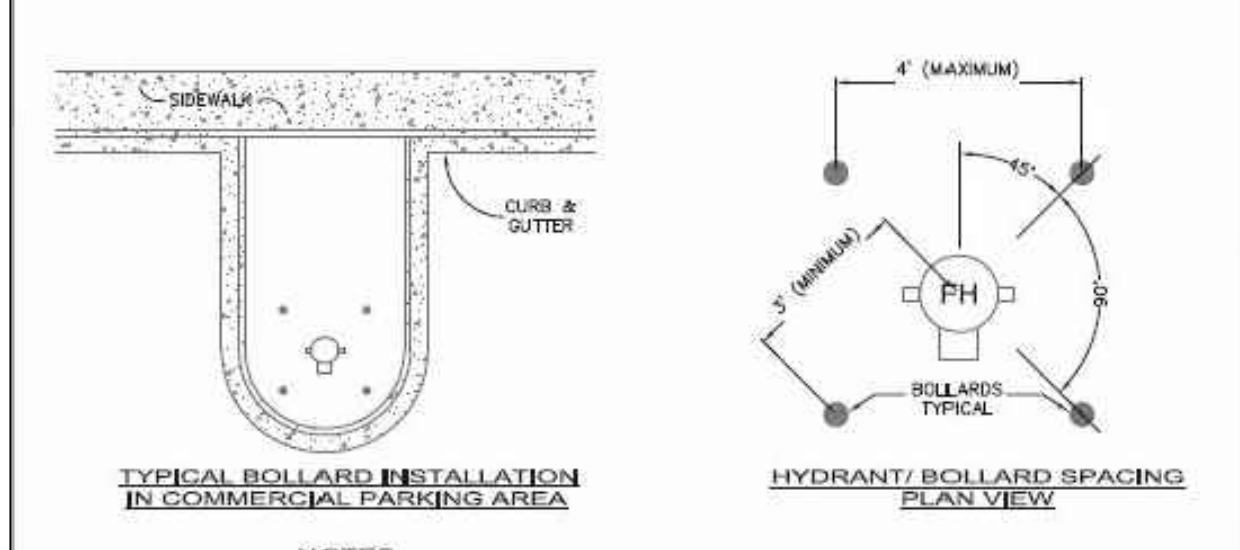
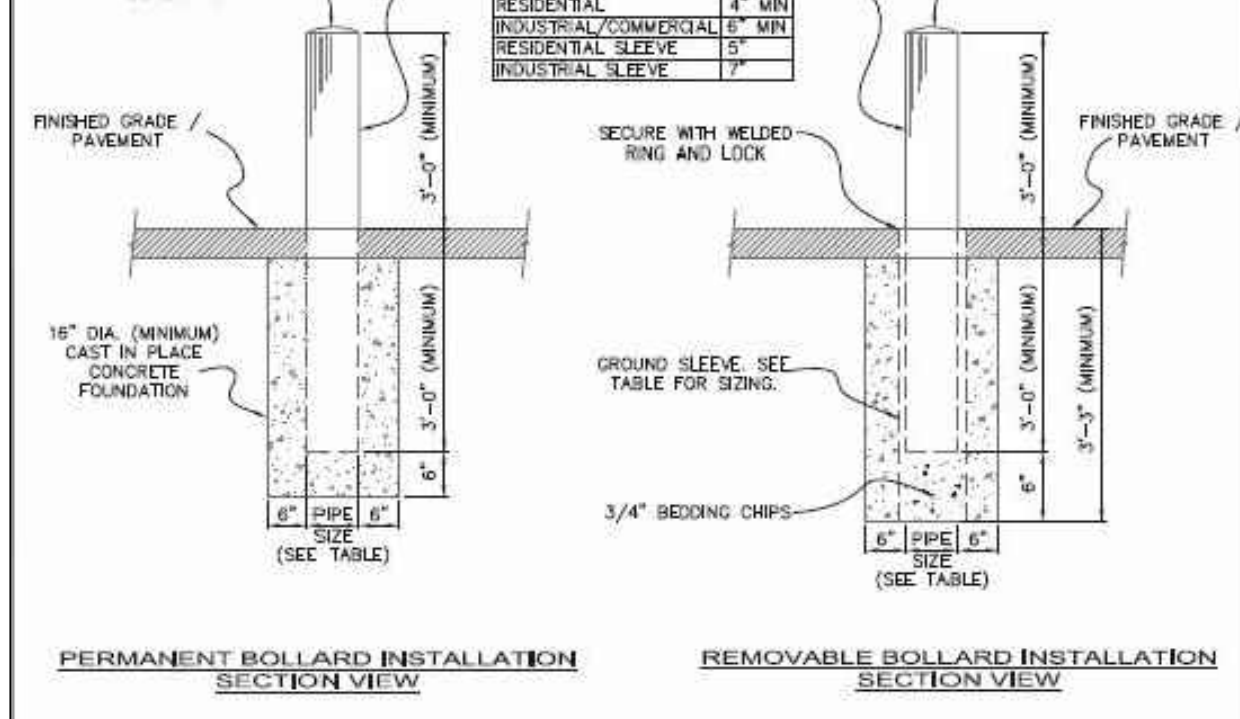
NOTES

- HYDRANTS THAT ARE TO BE RELOCATED AS CALLED FOR ON THE PLAN VIEW SHALL BE REINSTALLED IN ACCORDANCE WITH THIS DETAIL.
- ALL ARBITRARY VALVES SHALL BE LOCATED AT THE TEE ON THE WATER MAIN AS SHOWN ON THIS DETAIL UNLESS OTHERWISE SPECIFIED.
- WHERE EXISTING FITTINGS ARE NOT COMPATIBLE WITH NEW MAIN CONSTRUCTION, SUITABLE ADAPTORS OR NEW FITTINGS SHALL BE USED UPON APPROVAL BY MERIDIAN PUBLIC WORKS.
- ALL ANCHORS AND BLOCKING TO BEAR AGAINST UNDISTURBED SOIL.
- IF WATER SERVICE TO HYDRANT IS TO COMMENCE PRIOR TO SETTING OF CONCRETE THRUST BLOCKING, A COMBINATION OF CONCRETE AND LINE-FLANGE SERIES 300 JOINT RESTRAINT SHALL BE USED.
- PLACE LOCATOR WIRE ALONG TOP OF PIPE. SECURE FINDER WIRE UNDER (M) BOLT TAPE TO PIPE EVERY 10'.
- ALL 4 1/2" OUTLETS TO BE POINTED TOWARDS PRIMARY STREET OR ACCESS ROAD.
- ALL THE HYDRANTS SHALL HAVE A MINIMUM OF 5' RADIUS FROM MATURE LANDSCAPING OR OTHER FIXED VERTICAL OBJECTS.
- THE HYDRANTS SHALL BE PLACED A MINIMUM OF 18" ABOVE FINISH GRADE TO THE CENTER OF THE 4 1/2" OUTLET.
- HYDRANTS SHALL NOT BE PLACED WITHIN 10 FEET OF DRAINAGE GRADES.
- HYDRANTS TO BE INSTALLED LEVEL & PLUMB.

CITY OF MERIDIAN 2013 SUPPLEMENTAL SPECIFICATIONS TO THE BOARD STANDARDS FOR PUBLIC WORKS CONSTRUCTION

FIRE HYDRANT DETAIL

STANDARD DRAWING NO. **W7**



NOTES

- BOLLARDS SHALL MEET ALL REQUIREMENTS OF SECTION 312 (VEHICLE IMPACT PROTECTION) OF THE INTERNATIONAL FIRE CODE (CURRENTLY ADOPTED EDITION).
- VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATING FOR CONCRETE BOLLARD FOUNDATION.
- BOLLARDS SHALL BE PAINTED 'SAFETY' YELLOW.

CITY OF MERIDIAN 2013 SUPPLEMENTAL SPECIFICATIONS TO THE BOARD STANDARDS FOR PUBLIC WORKS CONSTRUCTION

FIRE HYDRANT BOLLARD

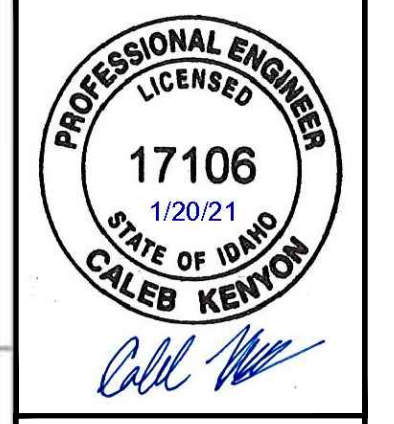
STANDARD DRAWING NO. **W8**

ABCO ENGINEERING

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UTILITY PLAN
ADVENTURE CHURCH
4495 S MERIDIAN ROAD
AD COUNTY MERIDIAN IDAHO
MUSSELL CONSTRUCTION

NO.	DATE	BY	DESCRIPTION



FILE NUMBER: 202993
DESIGNED BY: C. KENYON
DRAWN BY: C. KENYON
DATE

SHEET NUMBER:
CS-104
4 OF 4