

AUTOZONE - SANTAQUIN #6112

50 WEST MAIN STREET
SANTAQUIN, UTAH 84655

DECEMBER 29TH, 2022

NO.	REVISIONS	BY	DATE

CIVIL ENGINEERING + SURVEYING
CIR
 10718 SOUTH BECKSTEAD LANE, STE. 102
 SOUTH JORDAN, UT 84095 - 801-949-6296
 DESIGNER:

AUTOZONE - SANTAQUIN #6112
 50 WEST MAIN STREET, SANTAQUIN, UT 84655
 COVER SHEET

LEGEND	
---	PROPERTY LINE
---	EASEMENT LINE
-4240.0	PROPOSED GRADE CONTOURS
-4240.0	EXISTING GRADE CONTOURS
---	EXISTING CURB
---	PROPOSED CURB AND GUTTER
---	PROPOSED CURB WALL
---	REVERSE PAN CURB & GUTTER
---	EXISTING SEWER
SS	PROPOSED SEWER
---	EXISTING WATER
W	PROPOSED WATER
---	EXISTING FIRE LINE
F	PROPOSED FIRE LINE
---	EXISTING STORM DRAIN
SD	PROPOSED STORM DRAIN
---	EXISTING ROOF DRAIN
RD	PROPOSED ROOF DRAIN
---	EXISTING GAS
G	PROPOSED GAS
---	EXISTING OVERHEAD POWER
OHP	EXISTING UNDERGROUND POWER
---	EXISTING UNDERGROUND POWER
UGP	PROPOSED UNDERGROUND POWER
---	EXISTING TELEPHONE LINE
T	PROPOSED TELEPHONE LINE
---	EXISTING FIBER OPTIC LINE
FO	PROPOSED FIBER OPTIC LINE
[Pattern]	PROPOSED CONCRETE
[Pattern]	PROPOSED ASPHALT
[Pattern]	PROPOSED LANDSCAPING
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	EXISTING STREET LIGHT
[Symbol]	PROPOSED STREET LIGHT
[Symbol]	PROPOSED PARKING LOT LIGHT
[Symbol]	EXISTING WATER METER
[Symbol]	EXISTING WATER VALVE
[Symbol]	EXISTING GATE VALVE
[Symbol]	EXISTING OVERHEAD POWER POLE
TBC	TOP BACK CONCRETE
FF	FINISHED FLOOR
HW	HIGH WATER
TOG	TOP OF GRATE
TOL	TOP OF LID
IE	INVERT ELEVATION
EX	EXISTING
NG	NATURAL GROUND
TA	TOP OF ASPHALT
TC	TOP OF CONCRETE
EC	EDGE OF CONCRETE
EA	EDGE OF ASPHALT
TOW	TOP OF WALL
TG	TOP OF GRAVEL
TL	TOP OF LANDSCAPING
TS	TOP OF SIDEWALK
PROP	PROPOSED
[Symbol]	TBC CALLOUT UNLESS OTHERWISE DESIGNATED



VICINITY MAP
NOT TO SCALE

SHEET INDEX

- CV COVER SHEET
- GN GENERAL NOTES
- C1.0 SITE PLAN
- C2.0 GRADING & DRAINAGE PLAN
- C3.0 UTILITY PLAN
- C4.0 DETAIL SHEET
- C5.0 DETAIL SHEET
- C6.0 EROSION CONTROL PLAN (SWPPP)
- C6.1 EROSION CONTROL DETAIL SHEET

<p>CIVIL ENGINEER:</p> <p>CIR CIVIL ENGINEERING + SURVEYING</p> <p>10718 SOUTH BECKSTEAD LANE, STE. 102 SOUTH JORDAN, UT 84095 - PH: 801-949-6296</p>	<p>OWNER:</p> <p>AUTOZONE DEVELOPMENT CORP</p> <p>123 SOUTH FRONT STREET MEMPHIS, TN 38103 CONTACT PERSON: MITCH BRAMLITT PH: (901) 495-8714</p>
<p>AUTOZONE DEVELOPMENT CORP</p> <p>123 SOUTH FRONT STREET MEMPHIS, TN 38103 CONTACT PERSON: MITCH BRAMLITT PH: (901) 495-8714</p>	

SHEET NO.	CV
PROJECT ID	E22-140
DATE	12/29/22
FILE NAME	PRJ-SQA
SCALE	

- UDOT NOTES:**
- UDOT reserves the right, at its option, to install a raised median island or restrict the access to a right-in or rightout at any time.
 - Work on the UDOT right-of-way is seasonally restricted from October 15 to April 15.
 - ROW Work:** Work is not allowed on the right-of-way during the AM/PM peak traffic hours (6:00 -9:00 AM and 3:30 -6:00 PM). Additional work restrictions or modifications may be imposed at the time of the encroachment permit.
 - Replace all pavement markings in kind (tape with tape and paint with paint). Install all point lines with permanent paint application per UDOT specification 02765. Paint must have at least 6 months life as determined by UDOT's Permits Officer.
 - All new pavement words, arrows and symbols marking within the right-of-way shall be pre-formed thermo plastic. All letters, arrows, and symbols shall conform with the 'Standard Alphabet for Highway Signs and Pavement Markings' adopted by the Federal Highway Administration.
 - All signs installed on the UDOT right-of-way must be high intensity grade (Type XI sheeting) with a B3 slip base. Install all signs per UDOT SN series Standard Drawings.
 - Before commencing work on the State highway, the general contractor is required to obtain an encroachment permit from the applicable Region's Permits Office before working within the State right-of-way.
 - No road cuts allowed on this job.
 - For all utility taps (road cuts), use flowable fill per UDOT's current mix design (50-150 psi) UDOT spec. 03575.
 - All utilities within the paved surface must be bored.
 - For excavations outside of the roadway, back fill with UDOT approved granular borrow and road base. Compaction per UDOT spec. 2056 and 2721.
 - Owner, developer, and/or the contractor is required to hire an independent company for all testing within the UDOT right-of-way.
 - Owner, developer, and the contractor are responsible for any damage to the UDOT right-of-way that may be directly or indirectly caused by the development activity.
 - Traffic signal installation or modification requires a separate warranty bond once the work has been completed and accepted. The permittee is responsible for hiring an independent inspection company to perform inspection services for all signal work completed. For a list of the UDOT approved contractors and consultants contact the appropriate Regions Traffic Signals Engineer.
 - Partial concrete panel replacement is not allowed. When panels are removed, the entire panel is required to be replaced per UDOT standards, specifications, and standard drawings.
 - Double saw cut the concrete to prevent the spalling of other concrete panels and to avoid over cuts. Over cuts and spalls will require full panel replacement. REFERENCES
 - Utah Administrative Code R930-6 (Access Management) For a complete version of the Department's standards and guidelines regarding access permits please refer to Utah Administrative Code R930-6, www.udot.utah.gov/go/AccessManagement.
 - AASHTO, A Policy on Geometric Design of Highways and Streets ('Green Book'), bookstore.transportation.org.
 - AASHTO, Roadside Design Guide, bookstore.transportation.org.
 - Utah, Manual on Uniform Traffic Control Devices (UMUTCD), www.udot.utah.gov.
 - All above ground features including utilities (poles, fire hydrants, boxes, etc.) must be relocated out of the AASHTO clear zone or a minimum of 18" behind curb.

Santaquin City Resolution 03-04-2016
A RESOLUTION MODIFYING THE SANTAQUIN CITY ROAD CONSTRUCTION STANDARDS

WHEREAS, Santaquin City is a fourth class city within the State of Utah and has the responsibility of maintaining its roads and underground infrastructure; and

WHEREAS, Santaquin City has varying ground composition, structure, and collapsible soils prevalent throughout the community;

WHEREAS, Santaquin City has experienced a significant number of trench/roadway failures mostly due to the aforementioned inconsistencies of the native soils which has created a public health and safety issue with regard to roadway and infrastructure failures; and

WHEREAS, in addition the risk of life, the cost of the aforementioned trench failures has created an undo and unnecessary financial burden born by the citizens of Santaquin;

NOW THEREFORE, be it resolved by the Santaquin City Council to require the Import of Engineered Structural Backfill Material (Type A-1-a as defined by the American Association of State Highway and Transportation Officials [AASHTO] Soil Classification System) for all excavated trench work and roadway construction within city right of way unless alternative materials are evaluated and approved by the Santaquin City Engineer and Public Works Director.

Furthermore, due to a countervailing public interest to protect life and property from the risk of damages caused by traveling along roadways with failures, and to avoid the costs of damaged infrastructure (e.g. water lines, irrigation lines, sewer lines, roadways, etc.) from failures, the Santaquin City Council requires the import of said material (or an approved alternative) for all current (i.e. all construction work from the passage of this resolution forward) and future roadway construction and trench work.

ADOPTED AND PASSED by the City Council of Santaquin City, Utah, this 30th day of March, 2016.

SANTAQUIN CITY
 Incorporated January 4, 1932

SANTAQUIN CITY
 Kirk F. Hunsaker, Mayor

Attest
 Susan B. Farnsworth, City Recorder

NO.	REVISIONS	BY	DATE

CIVIL ENGINEERING + SURVEYING

CIR

10718 SOUTH BECKSTEAD LANE, STE. 102
 SOUTH JORDAN, UT 84095 -
 DESIGNER: PROJECT ENGINEER:

AUTOZONE - SANTAQUIN #6112
 50 WEST MAIN STREET, SANTAQUIN, UT 84655

GENERAL NOTES

SHEET NO.	GN
PROJECT ID	E22-140
DATE:	12/29/22
FILE NAME:	PRJ-SQA
SCALE:	

44-183-002
BACHELOR PROPERTY
LOT 2
KELLY'S GROVE SUBDIVISION
MAP NO. 11516
66 W 100 NORTH

09-071-0005
ORENSHAW PROPERTY
WARRANTY DEED
ENTRY NO. 81087-2022
68 N CENTER ST

09-071-0013
ARGONAUT INVESTMENT
PROPERTY
WARRANTY DEED
ENTRY NO. 12160-2014

09-071-0009
SERRANO PROPERTY
WARRANTY DEED
ENTRY NO. 18017-2020
57 N CENTER

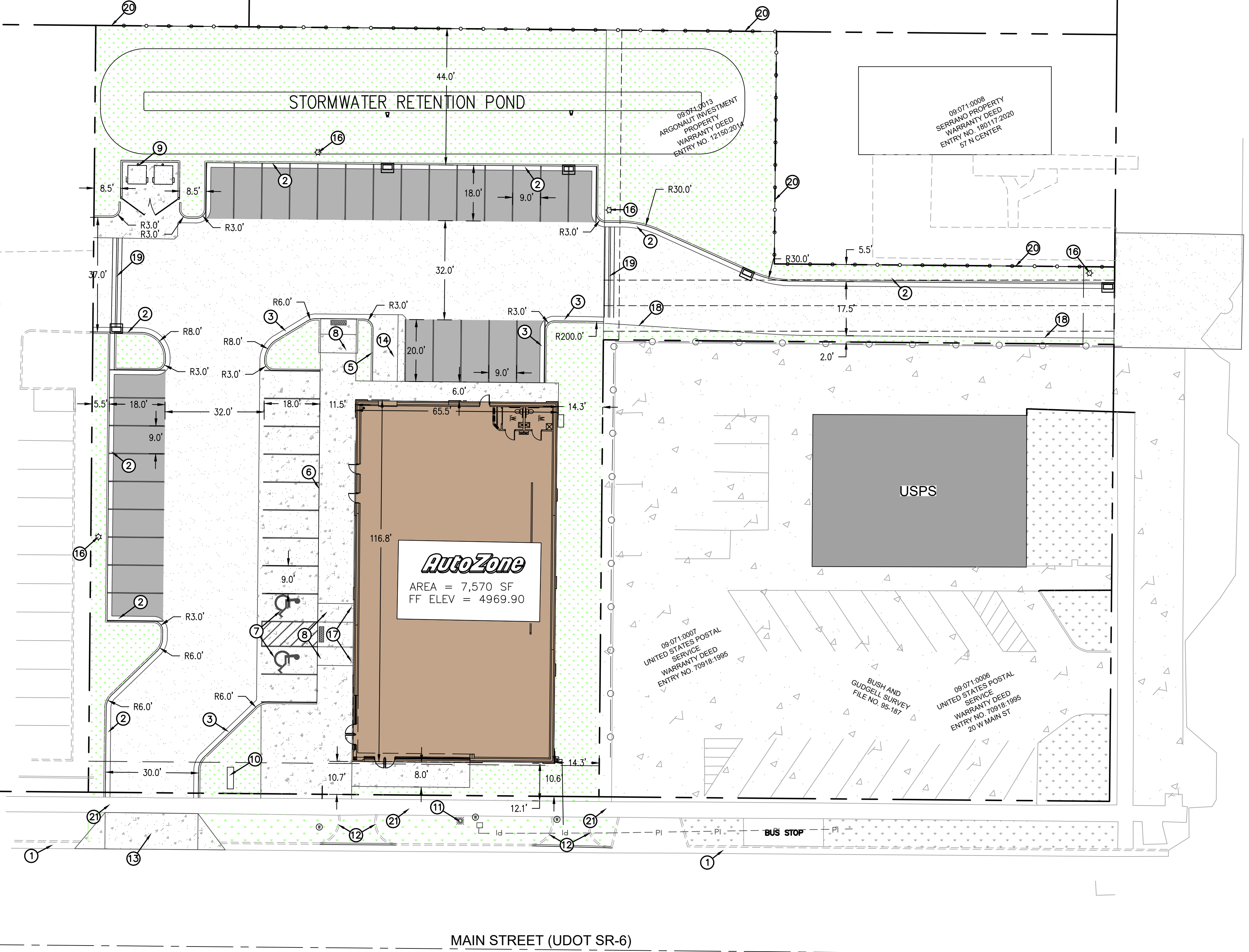
09-071-0009
SANTAQUIN 94 LLC
SPECIAL WARRANTY DEED
ENTRY NO. 168722-2020
94 W MAIN ST

YARA 3D
SURVEY NO. 22-089

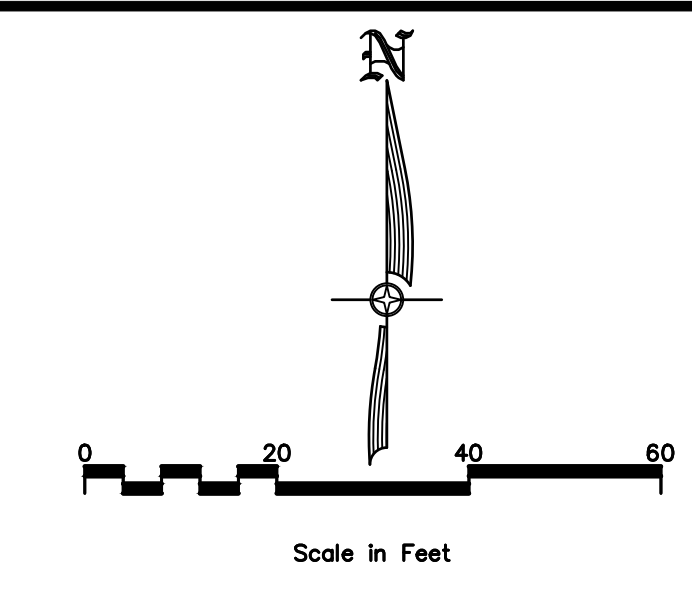
09-071-0007
UNITED STATES POSTAL
SERVICE
WARRANTY DEED
ENTRY NO. 70918-1995

BUSH AND
GIBBELL SURVEY
FILE NO. 95-167

09-071-0006
UNITED STATES POSTAL
SERVICE
WARRANTY DEED
ENTRY NO. 70918-1995
20 W MAIN ST



MAIN STREET (UDOT SR-6)
(99' WIDTH, PUBLIC RIGHT OF WAY)



LEGEND

	PROPOSED CONCRETE
	PROPOSED ASPHALT
	PROPOSED LIGHT ASPHALT
	PROPOSED LANDSCAPING

LOT AREAS:

	SQ. FT.	ACRES
LOT	49,039 SQ. FT.	1.13 ACRES
BUILDING FOOTPRINT	7,564 SQ. FT.	0.17 ACRES
ASPHALT	17,007 SQ. FT.	0.39 ACRES
CONCRETE	7,822 SQ. FT.	0.17 ACRES
LANDSCAPING	16,786 SQ. FT.	0.39 ACRES

NOTE:
1. ALL AREA CALCULATIONS ARE APPROXIMATE AND CAN CHANGE DUE TO CONSTRUCTION TOLERANCES.

LOT LANDSCAPING AREAS:

	SQ. FT.	CITY REQ'D
TOTAL LANDSCAPING	16,786 SQ. FT.	(10% REQUIRED: 34.23% PROVIDED)

NOTE:
1. PARKING AREA DOES NOT INCLUDE TRUCK MANEUVERING AREA OR LANDSCAPED BUFFER AS DIMENSIONED.
2. LANDSCAPED AREAS DO NOT INCLUDE HARD SURFACE AREAS (WALKWAYS, BIKE RACKS, CURB & GUTTERS).
3. ALL AREA CALCULATIONS ARE APPROXIMATE AND CAN CHANGE DUE TO CONSTRUCTION TOLERANCES.

LOT PARKING REQUIREMENTS:

	SQ. FT.	CITY REQ'D
RETAIL	7,564 SQ. FT.	38 (51/1000)
TOTAL REQUIRED:		38
TOTAL PROVIDED:		38
ACCESSIBLE SPACES		2 (2 REQ'D 26 TO 50)
BICYCLE SPACES		2 (1 REQ'D 3 PER 25,000 SQ. FT.)

NOTES:
1. ALL AREA CALCULATIONS ARE APPROXIMATE AND CAN CHANGE DUE TO CONSTRUCTION TOLERANCES.

- SITE PLAN NOTES:**
- 1 EXISTING CURB & GUTTER
 - 2 PROPOSED 24" CURB & GUTTER. SEE DETAIL 1/C4.
 - 3 PROPOSED 24" REV PAN CURB & GUTTER. SEE DETAIL 3/C4.
 - 4 PROVIDE SMOOTH TRANSITION FROM CURB & GUTTER TO REV. PAN CURB & GUTTER.
 - 5 PROPOSED 6" CURB WALL. SEE DETAIL 2/C4.
 - 6 PROPOSED THICKENED EDGE SIDEWALK. SEE DETAIL 6/C4.
 - 7 ALL HANDICAP STALLS SHALL HAVE SLOPES OF LESS THAN 2% IN ALL DIRECTIONS.
 - 8 ADA RAMP ARE TO BE INSTALLED PER CITY AND ADA STANDARDS AND SPECIFICATIONS. SEE DETAIL 4/C4 & 5/C4.
 - 9 PROPOSED TRASH ENCLOSURE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
 - 10 PROPOSED MONUMENT SIGN
 - 11 EXISTING STREET LIGHT. PROTECT IN PLACE
 - 12 REMOVE EXISTING DRIVE APPROACH
 - 13 INSTALL DRIVE APPROACH PER UDOT STANDARD DRAWING NO. GW-3B
 - 14 INSTALL CONCRETE RAMP FOR LOADING/UNLOADING INTO OVERHEAD DOOR
 - 15 INSTALL BOLLARD (TYP. ALL - SEE DETAIL)
 - 16 PARKING LOT LIGHT
 - 17 INSTALL ADA PARKING SIGN. SEE DETAIL
 - 18 PROPOSED EDGE OF ASPHALT WITH 2' OF LANDSCAPE ROCK
 - 19 PROPOSED SPEED BUMP. SEE DETAIL C4.0
 - 20 PROPOSED 6FT TALL CHAIN LINK FENCE WITH PRIVACY SLATS.
 - 21 REMOVE AND REPLACE 5FT WIDE SIDEWALK

NO.	REVISIONS	BY	DATE

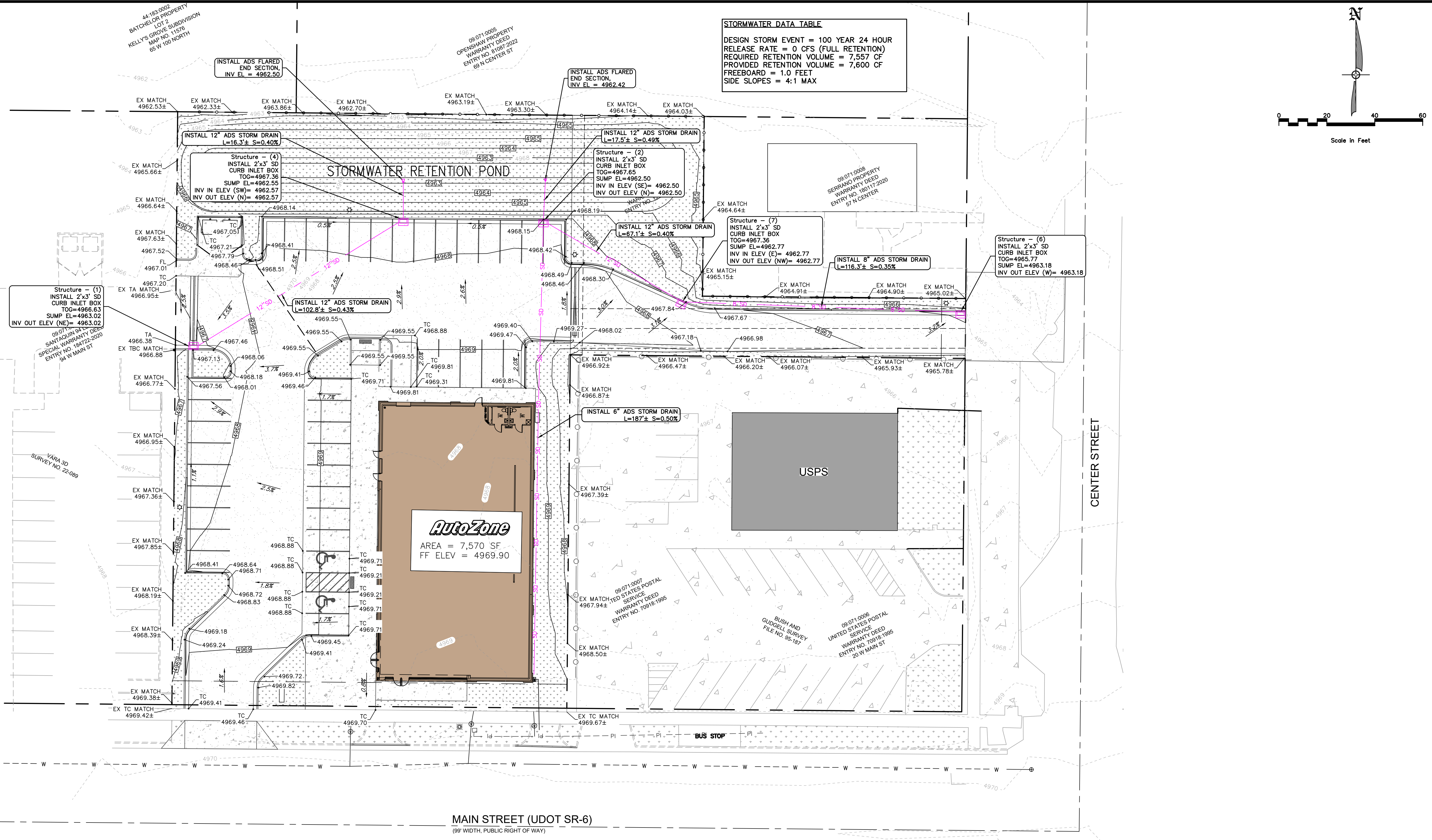
CIVIL ENGINEERING + SURVEYING

CIR

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SOUTH JORDAN, UT 84095 - 801-949-6296
DESIGNER:

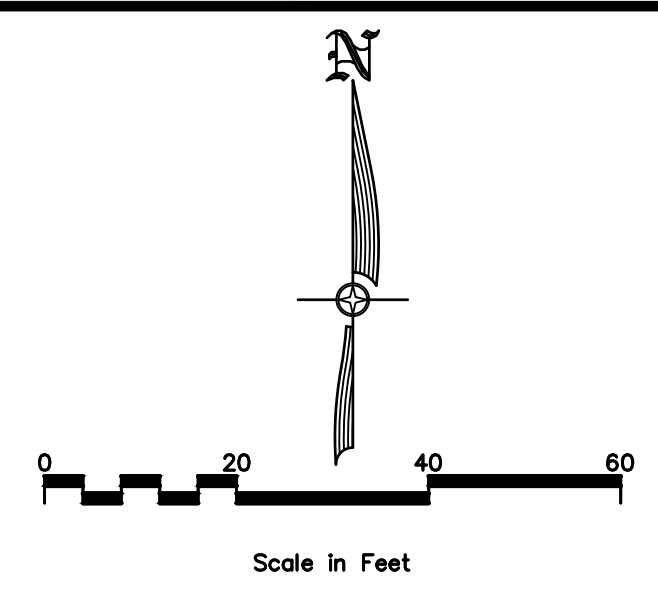
AUTOZONE - SANTAQUIN #6112
50 WEST MAIN STREET, SANTAQUIN, UT 84655
SITE PLAN

SHEET NO.	C1.0
PROJECT ID	E22-140
DATE:	12/29/22
FILE NAME:	PRJ-SQA
SCALE:	1"=20'



STORMWATER DATA TABLE

DESIGN STORM EVENT = 100 YEAR 24 HOUR
 RELEASE RATE = 0 CFS (FULL RETENTION)
 REQUIRED RETENTION VOLUME = 7,557 CF
 PROVIDED RETENTION VOLUME = 7,600 CF
 FREEBOARD = 1.0 FEET
 SIDE SLOPES = 4:1 MAX



NO.	REVISIONS	BY	DATE

DESIGNER: PROJECT ENGINEER:

CIVIL ENGINEERING + SURVEYING

CIR

10718 SOUTH BECKSTEAD LANE, STE. 102
 SOUTH JORDAN, UT 84095 - 801-948-5296

AUTOZONE - SANTAQUIN #6112
 50 WEST MAIN STREET, SANTAQUIN, UT 84655

GRADING & DRAINAGE PLAN

SHEET NO.
C2.0

PROJECT ID: E22-140
 DATE: 12/29/22
 FILE NAME: PRJ-SQA
 SCALE: 1"=20'

AutoZone
 AREA = 7,570 SF
 FF ELEV = 4969.90

USPS

MAIN STREET (UDOT SR-6)
 (99' WIDTH, PUBLIC RIGHT OF WAY)

CENTER STREET

Structure - (1)
 INSTALL 2"x3" SD
 CURB INLET BOX
 TOG=4966.83
 SUMP EL=4963.02
 INV OUT ELEV (NE)= 4963.02

Structure - (4)
 INSTALL 2"x3" SD
 CURB INLET BOX
 TOG=4967.36
 SUMP EL=4962.55
 INV IN ELEV (SW)= 4962.57
 INV OUT ELEV (N)= 4962.57

INSTALL ADS FLARED
 END SECTION,
 INV EL = 4962.42

Structure - (2)
 INSTALL 2"x3" SD
 CURB INLET BOX
 TOG=4967.65
 SUMP EL=4962.50
 INV IN ELEV (SE)= 4962.50
 INV OUT ELEV (W)= 4962.50

Structure - (7)
 INSTALL 2"x3" SD
 CURB INLET BOX
 TOG=4967.36
 SUMP EL=4962.77
 INV IN ELEV (E)= 4962.77
 INV OUT ELEV (NW)= 4962.77

Structure - (6)
 INSTALL 2"x3" SD
 CURB INLET BOX
 TOG=4965.77
 SUMP EL=4963.18
 INV OUT ELEV (W)= 4963.18

INSTALL 6" ADS STORM DRAIN
 L=187'± S=0.50%

INSTALL 12" ADS STORM DRAIN
 L=102.8'± S=0.43%

INSTALL 12" ADS STORM DRAIN
 L=67.1'± S=0.40%

INSTALL 8" ADS STORM DRAIN
 L=116.3'± S=0.35%

INSTALL 12" ADS STORM DRAIN
 L=16.3'± S=0.40%

VARA 3D
 SURVEY NO. 22-089

09-07-07
 SANTAQUIN 94
 SPECIAL WARRANTY DEED
 ENTRY NO. 104722-2020
 94 W MAIN ST

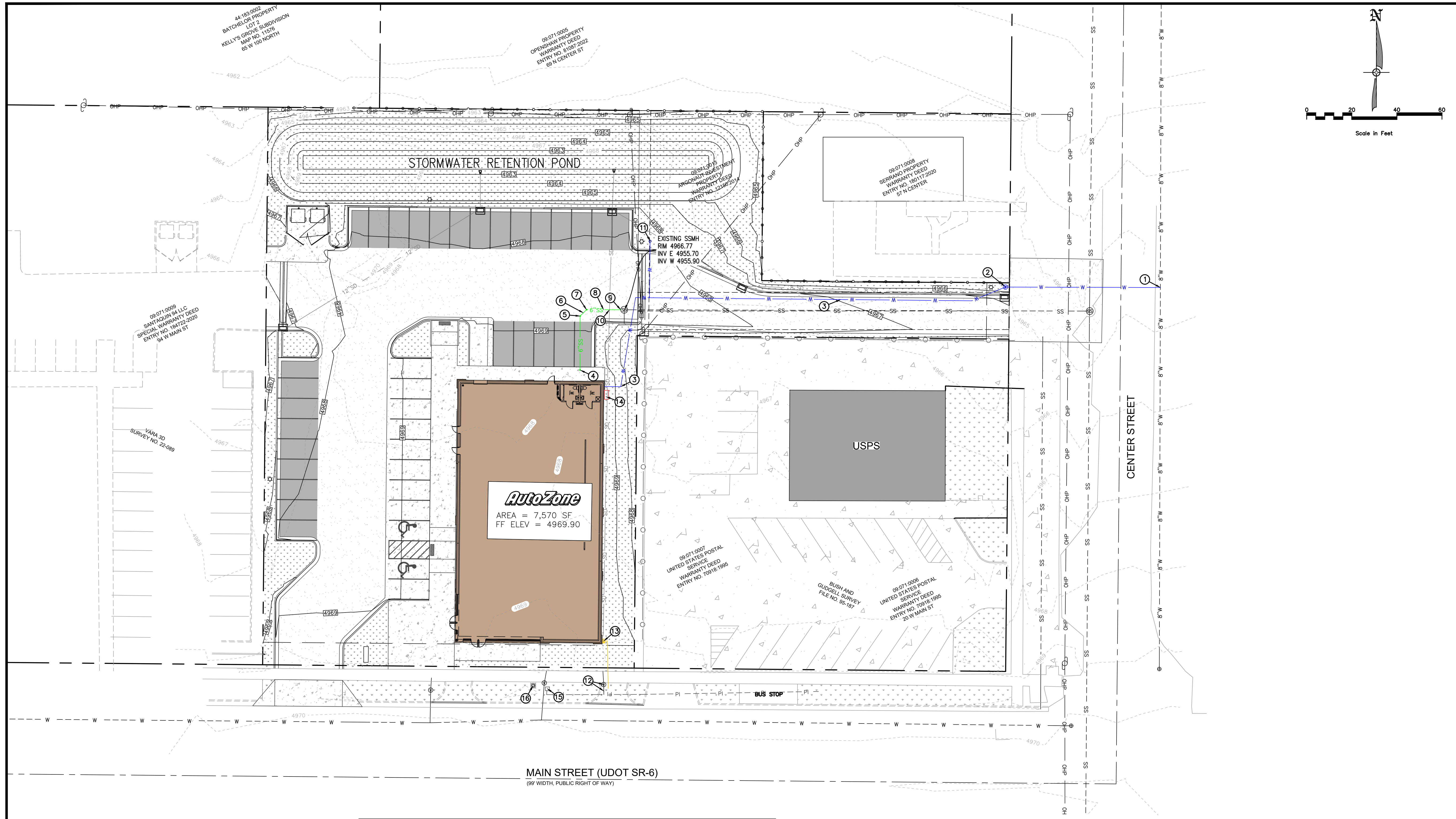
09-07-07
 SERRANO PROPERTY
 WARRANTY DEED
 ENTRY NO. 8017-2020
 57 N CENTER

09-07-07
 UNITED STATES POSTAL
 SERVICE
 WARRANTY DEED
 ENTRY NO. 70918-1995
 20 W MAIN ST

09-07-07
 UNITED STATES POSTAL
 SERVICE
 WARRANTY DEED
 ENTRY NO. 70918-1995
 20 W MAIN ST

BUSH AND
 GURBELL SURVEY
 FILE NO. 85-167

09-07-07
 UNITED STATES POSTAL
 SERVICE
 WARRANTY DEED
 ENTRY NO. 70918-1995
 20 W MAIN ST



UTILITY KEY NOTES:

- ① CONNECT 1-1/2" CULINARY WATER LATERAL TO EXISTING WATER LINE.
- ② INSTALL 1-1/2" WATER METER AND VAULT.
- ③ INSTALL 1-1/2" CULINARY WATER LATERAL TO PROPOSED BUILDING. END PIPE 5' FROM BUILDING AND SEE MECHANICAL PLANS FOR CONTINUATION INTO BUILDING.
- ④ INSTALL 24"± OF 6" PVC SEWER PIPE. S=20.9%. END PIPE 5' FROM BUILDING, I.E.=64.90, AND SEE MECHANICAL PLANS FOR CONTINUATION INTO BUILDING.
- ⑤ INSTALL 6" CLEANOUT WYE. I.E.=59.86, TOL=MATCH TOP OF PAVEMENT ELEVATION.
- ⑥ INSTALL 4"± OF 6" PVC SEWER PIPE. S=20.9%.
- ⑦ INSTALL 6" CLEANOUT WYE. I.E.=59.03, TOL=MATCH TOP OF PAVEMENT ELEVATION.
- ⑧ INSTALL 15'± OF 6" PVC SEWER PIPE. S=20.9%.
- ⑨ CONNECT TO EXISTING MANHOLE I.E. 55.90,
- ⑩ I.E.(12" SD)=4962.89
TOP(6" SS)=4957.44
SEPARATION=5.45'

- ① INSTALL FREEZELESS YARD HYDRANT.
- ② INSTALL/RELOCATE IRRIGATION WATER METER.
- ③ INSTALL GAS METER (PER UTILITY PROVIDER REQUIREMENTS).
- ④ INSTALL POWER METER (PER UTILITY PROVIDER REQUIREMENTS).
- ⑤ RELOCATE EXISTING IRRIGATION BOX
- ⑥ RELOCATE EXISTING LIGHT POLE (PER UDOT REQS)

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SOUTH JORDAN, UT 84095 - 801-949-5296
DESIGNER:

AUTOZONE - SANTAQUIN #6112
50 WEST MAIN STREET, SANTAQUIN, UT 84655

UTILITY PLAN

SHEET NO.
C3.0

PROJECT ID: E22-140
DATE: 12/29/22
FILE NAME: PRJ-SQA
SCALE: 1"=20'

1 24" CURB & GUTTER

2 6" CURB WALL

3 24" REVERSE PAN CURB & GUTTER

4 ASPHALT PAVING SECTION

Paving Area	A	B	C	D
Regular Duty	1.5"	1.5"	6"	12"
Heavy Duty	2"	2"	8"	12"

5 CONCRETE PAVING SECTION

Concrete Section	A	B	C
Regular Duty - Parking	5"	6"	see note
Heavy Duty - Loading/Dumpster	7"	6"	see note
Heavy Duty - Approaches	7"	6"	see note

6 HANDICAP PARKING DETAIL

7 INT'L BARRIER FREE SYMBOL

8 DUMPSTER LAYOUT

9 DUMPSTER SECTION MASONRY

10 HANDICAP PARKING RAMP

11 GATE LATCH / BOLT DETAILS

12 TYPICAL HANDICAP SIGN

13 BIKE RACK DETAIL

14 BOLLARD LAYOUT PLAN - 7N2

15 PIPE GUARD @ LOADING DOOR

16 TYPICAL BOLLARD SECTION

17 DOWNSPOUT DETAIL

18 CONCRETE SPLASH BLOCK

19 CONCRETE ACCESSIBLE RAMP

20 STOP SIGN DETAIL

21 TYPICAL PAVEMENT MARKINGS

22 TYPICAL WALK SECTION

23 TYPICAL EXPANSION JOINT

24 TYPICAL CONTROL JOINT

25 FROST DEPTH

26 WHEEL STOP DETAIL

27 WALK AT DOORS FROST DEPTH 24"+

28 CONCRETE SIDEWALK

44-183-0002
BACHELOR PROPERTY
LOT 2
KELLY'S GROVE SUBDIVISION
MAP NO. 15176
66 W 100 NORTH

09-071-0005
ORENSHAW PROPERTY
WARRANTY DEED
ENTRY NO. 81087-2022
68 N CENTER ST

09-071-0009
ARGONAL INVESTMENT
PROPERTY DEED
WARRANTY DEED
ENTRY NO. 12180-2014

09-071-0009
SERRANO PROPERTY
WARRANTY DEED
ENTRY NO. 18017-2020
57 N CENTER

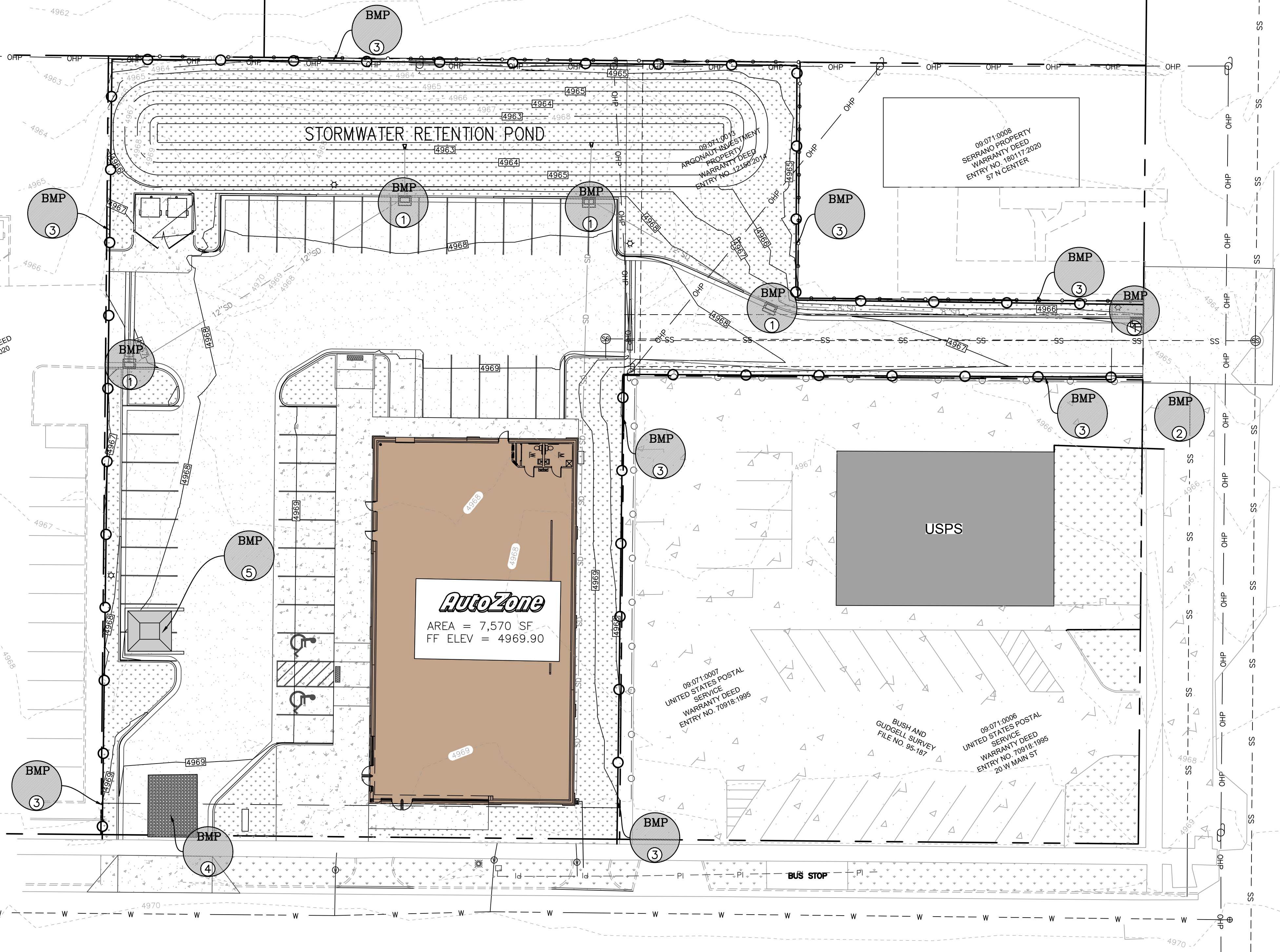
09-071-0009
SANTAQUIN 94 LLC
SPECIAL WARRANTY DEED
ENTRY NO. 16472-2020
94 W MAIN ST

YARA 3D
SURVEY NO. 22-089

09-071-0007
UNITED STATES POSTAL
SERVICE
WARRANTY DEED
ENTRY NO. 70918-1995

BUSH AND
GIBBELL SURVEY
FILE NO. 95-167

09-071-0006
UNITED STATES POSTAL
SERVICE
WARRANTY DEED
ENTRY NO. 70918-1995
20 W MAIN ST



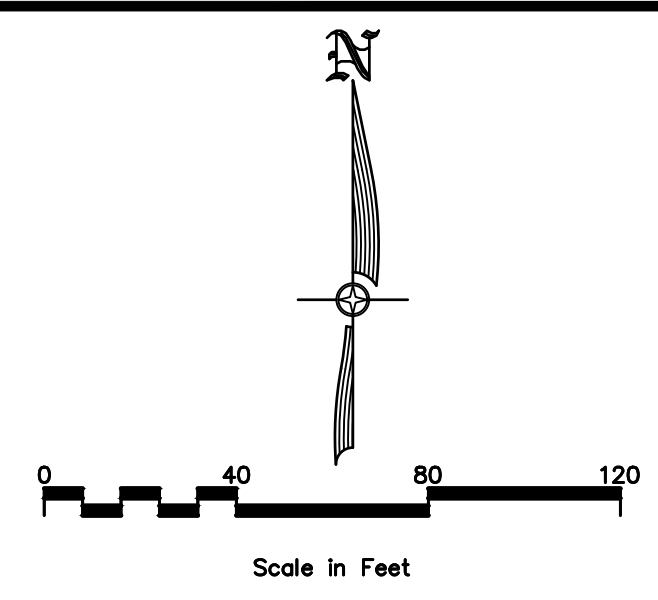
AutoZone
AREA = 7,570 SF
FF ELEV = 4969.90

USPS

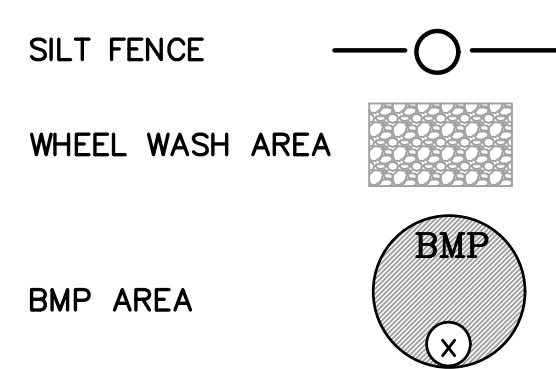
STORMWATER RETENTION POND

CENTER STREET

MAIN STREET (UDOT SR-6)
(99' WIDTH, PUBLIC RIGHT OF WAY)



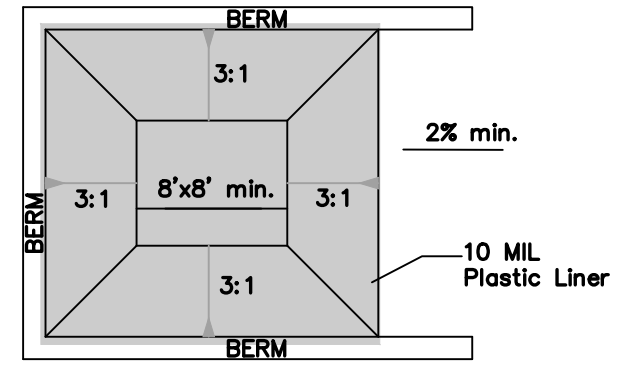
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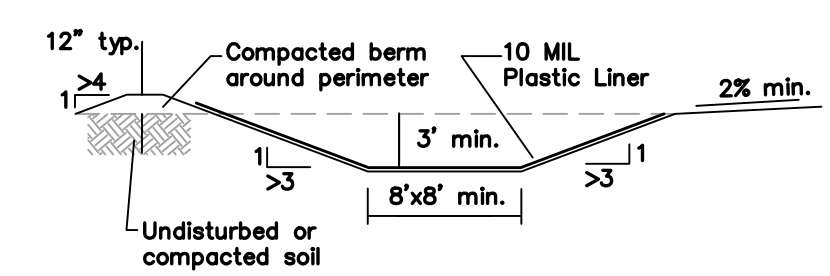
BMP CALLOUTS

- PLACE A SILT FENCE AROUND THE PERIMETER OF THE INLET, ONCE PAVEMENT AND/OR CURB HAS BEEN INSTALLED PLACE GRAVEL BAGS AROUND THE INLET. GRAVEL BAGS TO BE USED ON PAVED OR CONCRETE SURFACES AND SILT FENCE TO BE USED ON UNIMPROVED SURFACES.
NOTE: IN HIGH TRAFFIC AREAS CONTRACTOR TO USE INSERT FILTER FABRIC. IF INLET HAS CURB OPENING, THE FILTER FABRIC IS TO BE EXTENDED UP TO COVER THE CURB OPENING AND GRAVEL BAGS PLACED IN CUTTER AT EACH SIDE OF OPENING TO KEEP FILTER FABRIC SNUG AGAINST CURB WALL.
- PLACE GRAVEL BAGS AS NECESSARY TO PREVENT SEDIMENT FROM DRAINING INTO EXISTING CATCH BASINS. *SEE NOTE IN CALLOUT 1.*
- INSTALL TYPICAL SILT FENCE, SILT FENCE TO BE INSTALLED PERPENDICULAR TO STORM WATER FLOW. INSTALLATION TO BE DONE SO AS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
NOTE: CONTRACTOR TO USE VEGETATIVE BUFFER AND OR CUT BACK INSTEAD OF SILT FENCE WHERE POSSIBLE.
- CONTRACTOR TO INSTALL A MINIMUM OF 6" DEEP GRAVEL (3" TO 6") OF SUFFICIENT SIZE (MINIMUM OF 50' IN LENGTH AND 20' WIDE) AS TO PROVIDE A WHEEL WASH AREA TO PREVENT THE TRACKING OF MUD OFFSITE. THE LOCATION OF WHEEL WASH MAY VARY FROM LOCATION SHOWN ON PLANS SO AS TO PROVIDE THE BEST PROTECTION AGAINST TRACKING MUD OFFSITE. CONTRACTOR TO MAINTAIN AND CLEAN WHEEL WASH AREA AS NEEDED TO PREVENT THE TRACKING OF MUD OFFSITE.
- CONTRACTOR TO INSTALL CONCRETE WASHOUT AREA. THE LOCATION MAY VARY FROM LOCATION SHOWN ON PLANS.

- WASHOUT AREA TO BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
- CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8', SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER AND THE PIT SHALL BE AT LEAST 3' DEEP.
- BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
- USE EXCAVATED MATERIAL FOR BERM CONSTRUCTION.
- INSTALL 10 MIL PLASTIC LINER OVER THE ENTIRE PIT AREA.



PLAN VIEW



PROFILE VIEW

CONCRETE WASHOUT AREA

NO.	REVISIONS	BY	DATE

CIVIL ENGINEERING + SURVEYING
CIR
10718 SOUTH BECKSTEAD LANE, STE. 102
SOUTH JORDAN, UT 84095 - 801-949-6296
DESIGNER: PROJECT ENGINEER:

AUTOZONE - SANTAQUIN #6112
50 WEST MAIN STREET, SANTAQUIN, UT 84655
EROSION CONTROL PLAN (SWPPP)

SHEET NO. **C6.0**

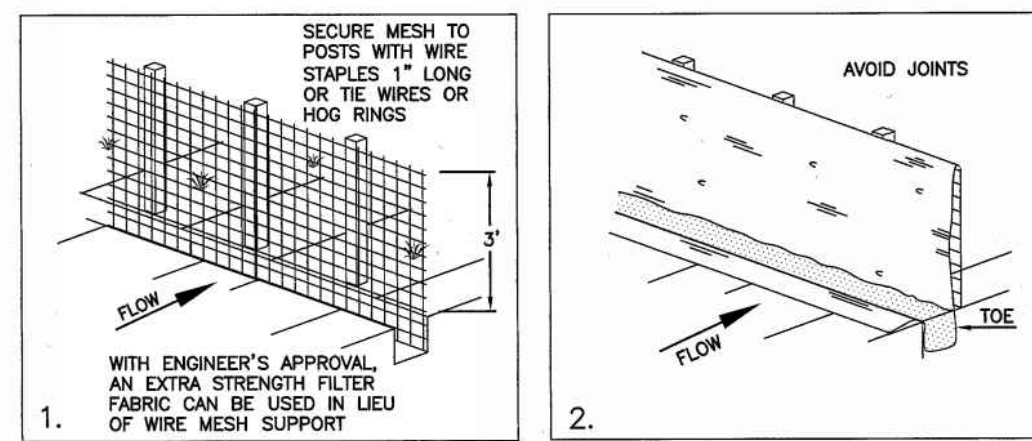
PROJECT ID: E22-140	DATE: 12/29/22
FILE NAME: PRJ-SQA	SCALE: 1"=20'

Silt fence

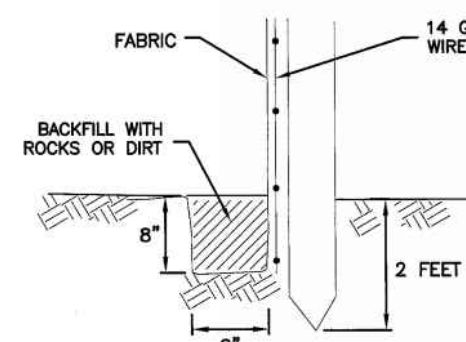
- 1. GENERAL
A. Description: A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and entrenched.
B. Application: To intercept sediment from disturbed areas of limited extent.
C. Perimeter Control: Place barrier at down gradient limits of disturbance.
D. Sediment Barrier: Place barrier at toe of slope or soil stockpile.
E. Protection of Existing Waterways: Place barrier at top of stream bank.
F. Inlet Protection.
2. PRODUCTS
A. Fabric: Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester, or polyethylene yarn.
B. Burlap: 10 ounces per square yard of fabric.
C. Posts: Either 2" x 4" diameter wood, or 1.33 pounds per linear foot steel with a minimum length of 5 feet, or steel posts with projections for fastening wire to them.
3. EXECUTION
A. Cut the fabric on site to desired width, unroll, and drape over the barrier.
B. When attaching two silt fences together, place the end post of the second fence inside the end post of the first fence.
C. When used to control sediments from a steep slope, place silt fences away from the toe of the slope for increased holding capacity.
D. Maintenance: 1) Inspect immediately after each rainfall and at least daily during prolonged rainfall. 2) Should the fabric on a silt fence or filter barrier decompose or become ineffective before the end of the expected usable life and the barrier still be necessary, replace the fabric promptly. 3) Remove sediment deposits after each storm event. 4) Re-anchor fence as necessary to prevent shortcutting. 5) Inspect for runoff bypassing ends of barriers or undercutting barriers.

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NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



INSTALLATION SEQUENCE



TOE DETAIL

Silt fence

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February 2006

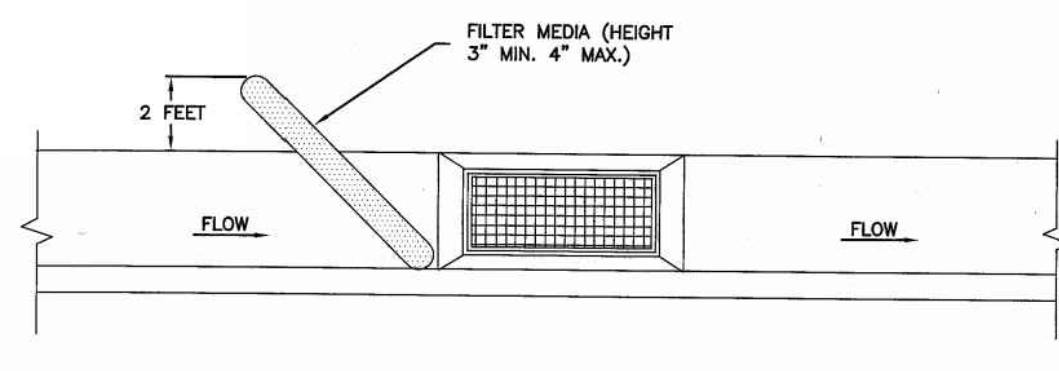
Plan 122

Inlet protection - gravel sock

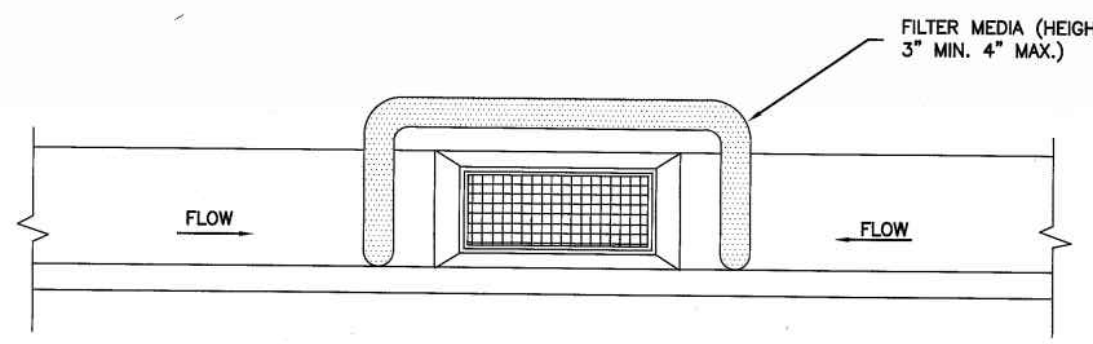
- 1. GENERAL
A. Description: Placement of gravel sock on grade.
1) Upstream of, or in front of storm drain inlets to filter or pond water runoff.
2) At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
2. PRODUCTS (Not used)
3. EXECUTION
A. On-grade inlet protection: 1) Provide on-grade inlet protection when completely blocking a storm drain inlet box would result in forcing water further downstream would cause flooding or other undesirable results. 2) Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations. 3) Install filter media just upstream of the inlet box. 4) Filter media shall butt tightly against the face of the curb and angle at approximately a 45-degree angle away from the curb to trap runoff between the media and the curb. 5) Excessive flows will flow either over or around the filter media and into the inlet box. 6) Expect ponding behind the filter media.
B. Drop inlet protection: 1) Use drop inlet protection at low points in the curb and when diverting flows further downstream will not cause undesirable results. 2) Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations. 3) Install filter media around the entire perimeter of the inlet grate. 4) Filter media shall butt tightly against the face of the curb on both sides of the inlet grate. 5) Excessive flows will either flow around the media or over the top and into the inlet box. 6) Expect ponding around the inlet box.
C. Maintenance: 1) Inspect inlet protection after every large storm event and at a minimum of once monthly. 2) Remove sediment accumulated when it reaches 2-inches in depth. 3) Replace filter medium when damage has occurred or when medium is no longer functioning as intended.

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ON-GRADE INLET PROTECTION DETAIL



SUMP INLET PROTECTION DETAIL

Inlet protection - gravel sock

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September 2006

Plan 124

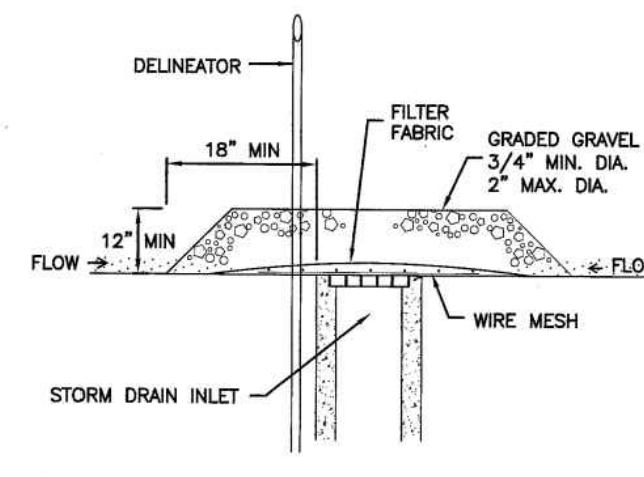
Sheet 1 of 3

Inlet protection - gravel

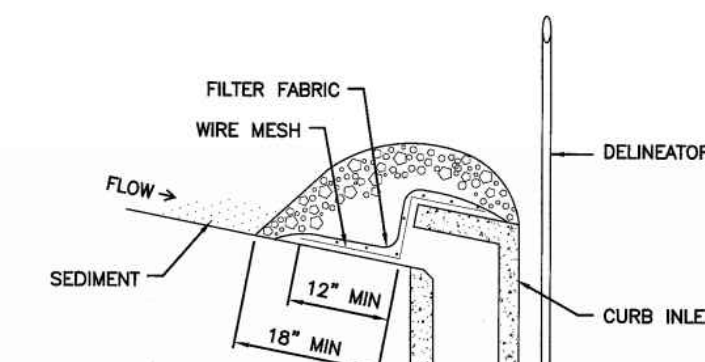
- 1. GENERAL
A. Description: Placement of gravel filter over storm drain inlet to filter water runoff.
B. Application: Used at inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
2. PRODUCT (Not used)
3. EXECUTION
A. Place 1/2-inch opening wire mesh over the inlet grate extending one foot past the grate in all directions.
B. Place filter fabric over the mesh. Select filter fabric based on soil type.
C. Place graded gravel (2-inch to 4-inch in size), to a minimum depth of 12-inches, forming a wall around the grate on all sides. Slope side slopes so that gravel does not spill over the grate.
D. The filter fabric immediately over the grate needs to remain exposed so that the grate can be visually inspected.
E. Place a delineator at the inlet grate so that the gravel surrounding it will not inadvertently be graded or moved and to protect the inlet from damage.
F. Maintenance: 1) Inspect inlet protection after every large storm event and at a minimum of once monthly. 2) Remove sediment accumulated when it reaches 4-inches in depth. 3) Replace filter fabric and clean or replace gravel if clogging is apparent.

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DROP INLET PROTECTION



CURB INLET PROTECTION

Inlet protection - gravel

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February 2006

Plan 124

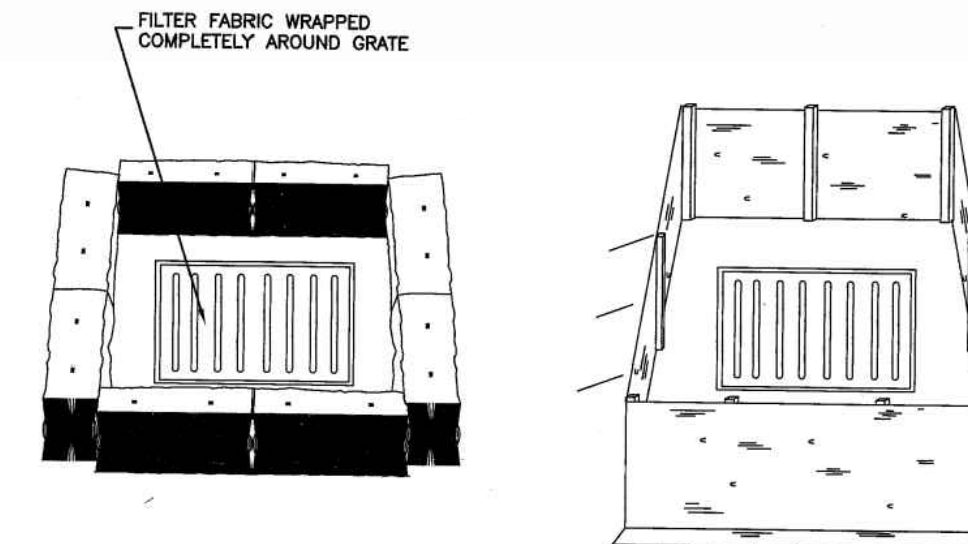
Sheet 2 of 3

Inlet protection - fence or straw bale

- 1. GENERAL
A. Description: A temporary sediment barrier around storm drain inlet.
B. Application: At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
2. PRODUCT (Not used)
3. EXECUTION
A. Installation and application criteria: 1) Provide up gradient sediment controls, such as silt fence during construction of inlet. 2) When construction of inlet is complete erect straw bale barrier, silt fence or other approved sediment barrier surrounding perimeter of inlet. 3) Install filter fabric completely around grate.
B. Maintenance: 1) Inspect inlet protection after every large storm event and at a minimum of once monthly. 2) Remove sediment accumulated when it reaches 4-inches in depth. 3) Repair or re-align barrier or fence as needed. 4) Look for bypassing or undercutting and re-compact soil around barrier or fence as required.

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NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



STRAW BALE BARRIER (PLAN No. 121)

SILT FENCE (PLAN No. 122)

Inlet protection - fence or straw bale

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February 2006

Plan 124

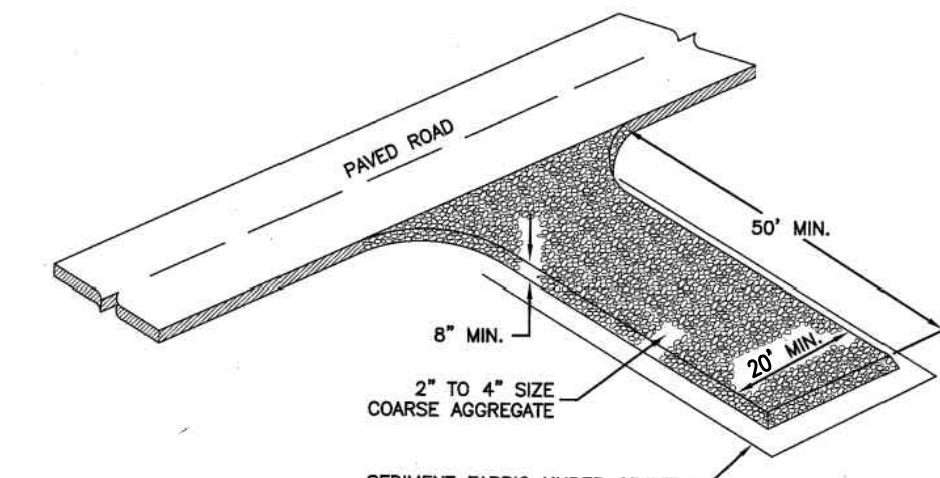
Sheet 3 of 3

Stabilized roadway entrance

- 1. GENERAL
A. Description: A temporary stabilized pad of gravel for controlling equipment and construction vehicle access to the site.
B. Application: At any site where vehicles and equipment enter the public right of way.
2. PRODUCT (Not used)
3. EXECUTION
A. Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
B. Compact subgrade.
C. Place filter fabric under stone if desired (recommended for entrance area that remains more than 3 months).
D. Maintenance: 1) Prevent tracking or flow of mud into the public right-of-way. 2) Periodic top dressing with 2-inch stone may be required, as conditions demand, and repair any structures used to trap sediments. 3) Inspect daily for loss of gravel or sediment buildup. 4) Inspect adjacent area for sediment deposit and install additional controls as necessary. 5) Expand stabilized area as required to accommodate activities.

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Stabilized roadway entrance

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February 2006

Plan 126

Table with columns for REVISIONS, NO, and DATE.

CIVIL ENGINEERING + SURVEYING logo and address: 10718 SOUTH BECKSTEAD LANE, STE. 102 SOUTH JORDAN, UT 84095 - 801-948-5296

AUTOZONE - SANTAQUIN #6112
50 WEST MAIN STREET, SANTAQUIN, UT 84655
EROSION CONTROL DETAIL SHEET

Table with project details: SHEET NO. C6.1, PROJECT ID E22-140, DATE 12/29/22, FILE NAME PRJ-SQA, SCALE.