



Midway

PLANNING COMMISSION MEETING STAFF REPORT

DATE OF MEETING: April 12, 2022
NAME OF PROJECT: Bonner Meadows
NAME OF APPLICANT: Colton Chronister
OWNER OF RECORD: Johnsons Landing LLC
AGENDA ITEM: Preliminary Approval
LOCATION OF ITEM: 100 East 100 South
ZONING DESIGNATION: R-1-9

ITEM: 5

Colton Chronister, agent for Johnsons Landing LLC, is requesting preliminary approval of Bonner Meadows. The proposal is for an 18-lot subdivision on 5.99 acres in the R-1-9 zone. The property is located at approximately 100 East 100 South.

BACKGROUND:

This request is for final approval of Bonner Meadows, a large-scale subdivision on 5.99 acres that will contain 18 lots. Most of the proposed lots in the subdivision will obtain frontage along new roads built within the subdivision (100 South and 180 East) and four lots will front the existing 100 East. The property is in the R-1-9 zones which allows single-family dwellings and duplex dwellings (duplex lots require more frontage, acreage, and water rights than single-family lots). None of the lots qualify as duplex lots. If the applicant wants to propose duplexes, they will be required to provide more water for the additional water connections and all duplex lots will be required to meet the 100'-110' requirement for frontage.

This R-1-9 zone does not require open space, so no open space has been included in the proposal. The parcel is located close to Main Street where many services are located. It is also close to the Midway Elementary School and a church. The property has historically been used for agriculture. The sidewalks in the development are 5' wide and park strips are 8' wide. The new sidewalks will greatly help the movement of pedestrians, especially the school children in the area. Children currently use 200 East to access school which does not have a sidewalk. With the proposed development, children will now be able to use the new 5' sidewalks which will allow a safer walk to school. The developer has included an 8' trail that will run from the end of the cul-de-sac to 185 South, which will become school property.

The General plan describes the R-1-9 zone as the following:

The R-1-9 zone (9,000 sf lot) provides a residential environment within the City which is characterized by smaller lots and somewhat denser residential environment than is characteristic of the R-1-11 Zone. Nevertheless, this zone is characterized by spacious yards and other residential amenities adequate to maintain desirable residential conditions. The principal uses permitted in this zone shall be one and two-family dwellings and certain other public facilities needed to promote and maintain stable residential neighborhoods. This zone should be planned with an emphasis on walkability.

LAND USE SUMMARY:

- 5.99-acres
- R-1-9 zoning
- Proposal contains eighteen single family building lots (no duplex lots)
- Access to lots is provided by 100 East and new roads 100 South and 180 East
- There are no known sensitive lands on the property
- The lots will connect to the Midway Sanitation District sewer, Midway City's culinary water line, and Midway Irrigation Company's secondary waterline

ANALYSIS:

Pending Ordinances – The Midway City Council adopted three pending ordinances in February, all of which could impact this proposal. The pending ordinances relate to the standard subdivision ordinance (section 16.16), the outdoor lighting ordinance (section 5.02.080), and the creation of a moderate-income housing code (future title

15). These pending ordinances were passed before the moratorium expired, meaning that any new land use applications, including this proposal, would need to comply with whatever requirements are adopted in the previously mentioned sections. This could require adjustments to the proposed development if approvals for the development come before either new code is adopted or before the city council votes to rescind the ordinances.

Access/Roads – Access will be from 100 South, 100 East and 180 East. The proposed 100 South will access 200 East north of lot 17 of the Timpanogos View Estates where the City owns a 60' wide area that was deeded to the City for a future road when the Timpanogos View Estates plat was recorded in August of 1973.

The new cul-de-sac complies with the maximum cul-de-sac length of 1,300' and maximum lot count on a cul-de-sac of eleven.

The applicant will be required to improve all existing roads abutting the development to match to a city standard half width.

Single-family dwellings – Only single-family dwellings will be allowed on the eighteen lots, even though the R-1-9 zone does allow duplexes. The reason no duplexes are allowed is because none of the lots comply with the code requirements for duplexes because first, all the lots have only 0.8-acre feet of water which is enough for one culinary connection, second all the lots do not have both the required frontage and acreage for duplexes. A note should be included on the plat advising future lot owners of the limitation.

Sidewalks and connectivity – The developer will install 5' sidewalks throughout the development and along existing street frontages that are contiguous with the development. The new sidewalks will greatly help the movement of pedestrians, especially school children, in the area. Many children use 200 East to access the school which does not have sidewalk. Now children will be able to use the new 5' sidewalks in the proposal which will allow a safer walk to school. The developer has included an 8' asphalt trail that will run from the end of the cul-de-sac to 185 South, which will become school property.

City and School District agreement of 185 South – The City and the Wasatch School District agreed to a property exchange in 2017 that allowed for the construction of Michie Lane (300 South). The agreement was that the school district would deed Michie Lane to the city to allow for construction of the road if the City, at a future date, would deed 185 South to the school district. The catalyst for deeding 185 South was determined to be when 100 South is built which, is part of the proposed Bonner Meadows subdivision. Basically, the City agreed to vacate one road if two new roads were in service. The deeding of 185 to the school district will allow the school to have flexibility regarding future plans for Midway Elementary and its surrounding property. Once 100 South is built and deeded to the City then the City will need to

follow the process, as outlined in the State code, to vacate the road and then deed it to the school district.

Geotechnical Study – A Geotechnical Study has been submitted to the City and can be viewed at the Planning Office.

Sensitive Lands – The applicant has not identified any sensitive lands that are part of the proposed development.

Culinary Water Connection – The lots will connect to existing city culinary water lines located in the area.

Sewer Connection – The lots will connect to existing Midway Sanitation District sewer lines located in the area.

Fire Flow - A fire hydrant will need to be located within 500' of any future dwellings, measured by the route of a fire hose from the fire hydrant to the future home site.

Secondary Water Connection – The lots will connect to Midway Irrigation Company's secondary water system which is already servicing the property. Secondary water meters are required for each lateral. The applicant will be required to provide a will-serve letter from the Midway Irrigation Company before having the item added to a City Council agenda.

Traffic study – A traffic study is required for this proposal since there are more than 15 lots proposed. The applicant will need to provide this previous to being approved by the planning commission.

100 East construction – One of the main routes to access Midway Elementary is 100 East. Buses, vehicles carrying students, and pedestrians and students all access the school along this route. Staff feels it is very important that construction for 100 East takes place in the summer before school begins for safety concerns. The other roads in the subdivision (100 South and 180 East) do not present the same safety issues that 100 East presents since they are new roads and therefore should not have the same construction timing restriction. It is recommended that a condition of approval is that any construction on 100 East takes place before school starts in the fall.

Storm Water – Storm water runoff will be captured and retained onsite in a pond located on lot 11. The applicant will need to ensure that the storm drain easement on lot 11 is clearly marked on the plat. The city will maintain the right to access the pond for future emergency access. The plat will need to include a note requiring the owner of lot 11 to provide a 10' (minimum) access gate if a fence or some other type of barrier or obstruction is proposed to be erected on the lot inhibiting access over the access easement. Before deeding the road to the school district, the applicant will

need to work with the city to ensure that there is an access easement over the road allowing for future access to the pond on the rear of lot 11.

WATER BOARD RECOMMENDATION:

This item was reviewed by the Water Board on February 6, 2017. The board recommended that 17.6-acre feet of water are tendered to the City before the plat is recorded. This calculation is based on single-family dwellings constructed on each lot.

POSSIBLE FINDINGS:

- The proposal does meet the intent of the General Plan for the R-1-9 zoning district
- The proposal does comply with the land use requirements of the R-1-9 zoning district
- The sidewalks crossing the property and connecting to neighboring roads and existing sidewalks will benefit the community by allowing safe pedestrian access.
- The proposal will need to comply with all requirements resulting from the three pending ordinances for the following sections: section 16.16 (PUDS and Standard Subdivisions), section 5.02.080 (Outdoor Lighting and Glare), and future title 15 (Moderate Income Housing)
- Any failure to submit a proposed final plan and final approval submittal package within one year of the approval of the Preliminary Plan by the City Council shall terminate all proceedings and render the Preliminary Plan null and void.

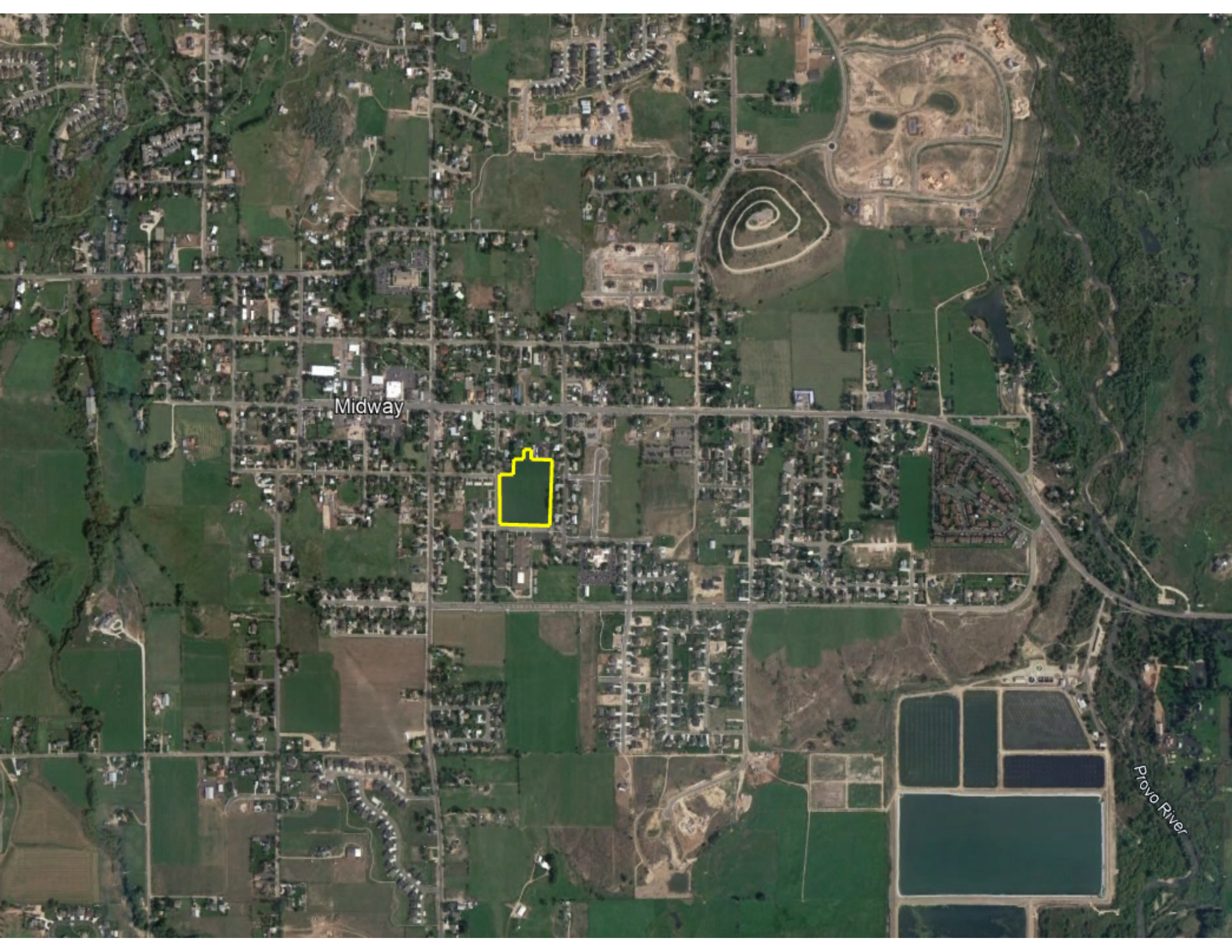
ALTERNATIVE ACTIONS:

1. Approval (conditional). This action can be taken if the City Council finds that conditions placed on the approval can resolve any outstanding issues.
 - a. Accept staff report
 - b. List accepted findings
 - c. Place condition(s)
2. Continuance. This action can be taken if the City Council finds that there are unresolved issues.

- a. Accept staff report
 - b. List accepted findings
 - c. Reasons for continuance
 - i. Unresolved issues that must be addressed
 - d. Date when the item will be heard again
3. Recommendation of Denial. This action can be taken if the City Council finds that the request does not meet the intent of the ordinance.
- a. Accept staff report
 - b. List accepted findings
 - c. Reasons for denial

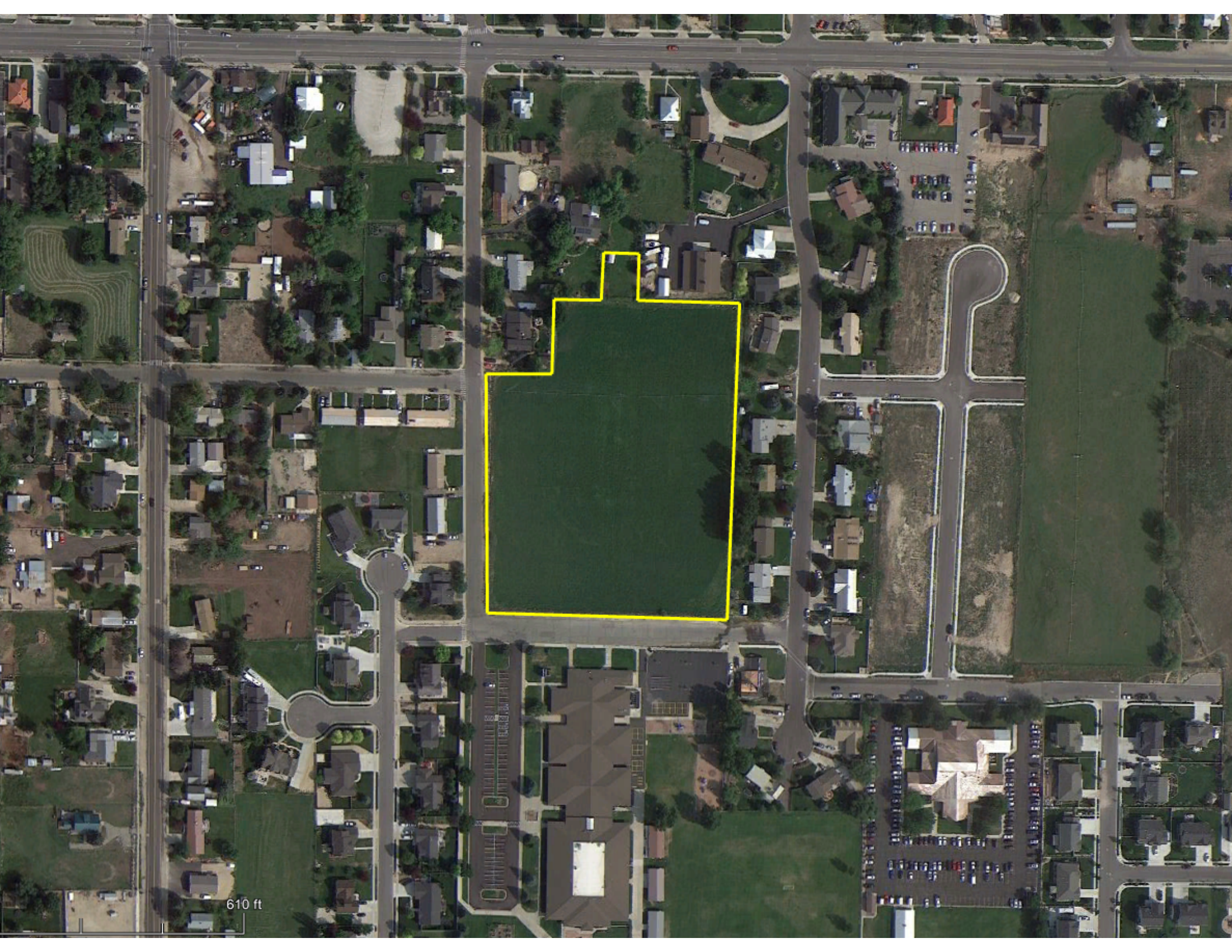
PROPOSED CONDITIONS:

- 1. Any construction on 100 East takes place before school starts in the fall.
- 2. Updated Water Board Recommendation before being added to a City Council agenda.
- 3. Will-serve letter from Midway Irrigation before being added to a city council agenda.
- 4. The applicant must provide a traffic study before being approved by the planning commission.

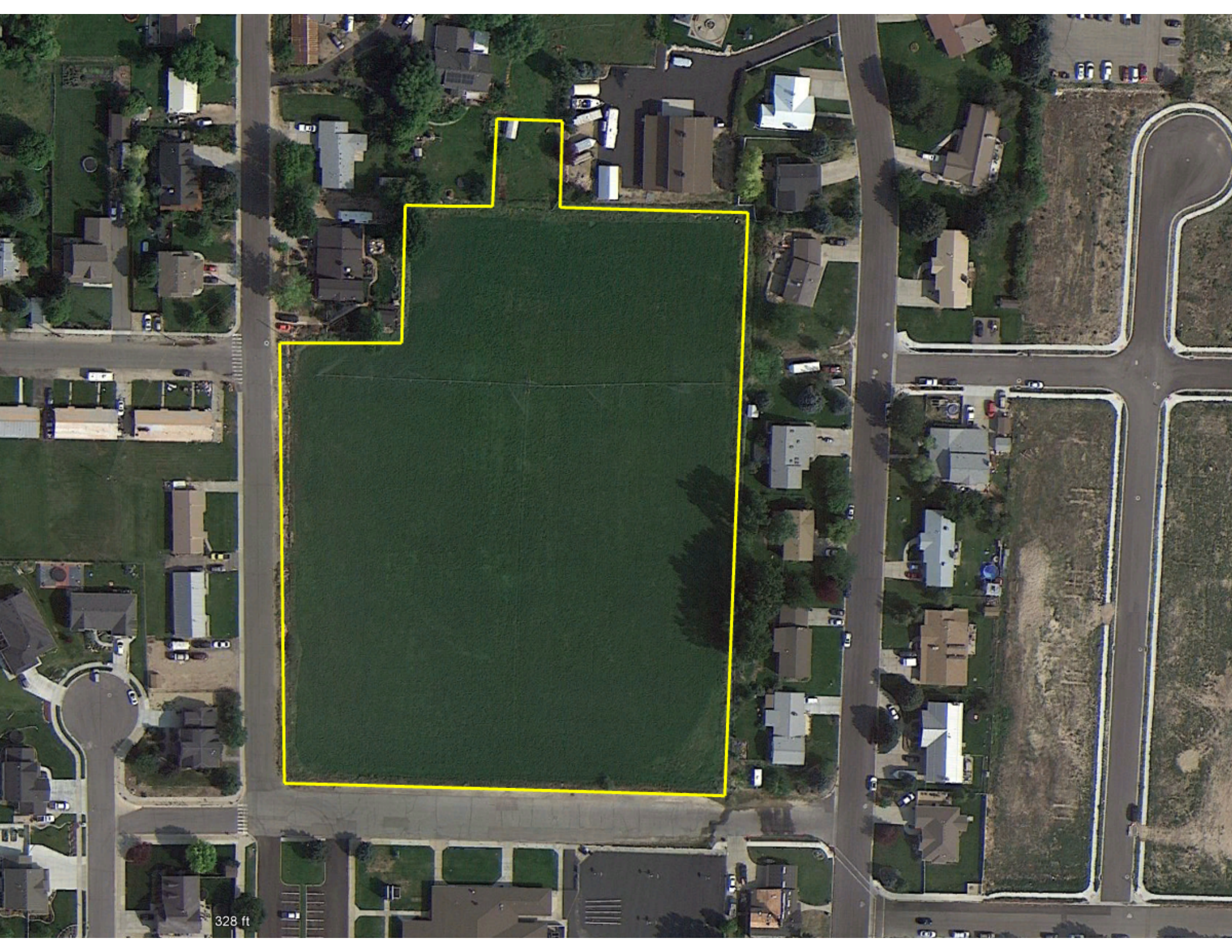


Midway

Provo River



610 ft



328 ft

April 12, 2022

Midway City
Attn: Michael Henke
75 North 100 West
Midway, Utah 84049

Subject: Bonner Meadows – Preliminary Review

Dear Michael:

Horrocks Engineers recently reviewed the above development plans for Preliminary Approval. The proposed development is located between the blocks of 100 South and 185 South and 100 East and 200 East. The entire development is 5.99 acres and contains 18 lots. The following comments should be addressed.

General Comments

- The roads, culinary water, and storm drain systems within this development will be public infrastructure and maintained by Midway City.

Water

- The proposed development will be served from the Gerber Mahogany pressure zone.
- The proposed development will connect to the existing 12” culinary water line in 100 East and the existing 8” culinary water line in 200 East.
- 8” water lines will be installed within the development. The proposed culinary water system will provide adequate fire flows.
- The development will need to install an 8” water line in 100 East from 100 South to 185 South.

Roads

- A new road is proposed to be installed on 100 South from 100 East to 200 East. All new roads will have a cross section of 26’ of asphalt, modified curb & gutter, an 8’ park-strips and 5’ sidewalks.
- Due to the roadway dedication on Michie Lane, Midway City will be dedicating 185 South from 100 East to the eastern property line of the Midway Elementary to the Wasatch School District.

Storm Drain

- The storm water within the proposed development will be public and will be collected and dispersed through the use of catch basins, sumps, and retention basins.
- For maintenance a utility easement within 185 South needs to be provided to maintain access to the storm drain pond and sumps.

Irrigation

- The proposed development will connect to an existing irrigation in 100 East and 200 East and install services with meters according to Midway Irrigation Company



- standards.
- There is an existing drainage ditch that will need to be piped through the subdivision. Work with Mike Kohler for location and pipe material allowed.

Trails

- There will be an 8' trail connecting the cul-de-sac to 185 South.

Please feel free to call our office with any questions.

Sincerely,
HORROCKS ENGINEERS

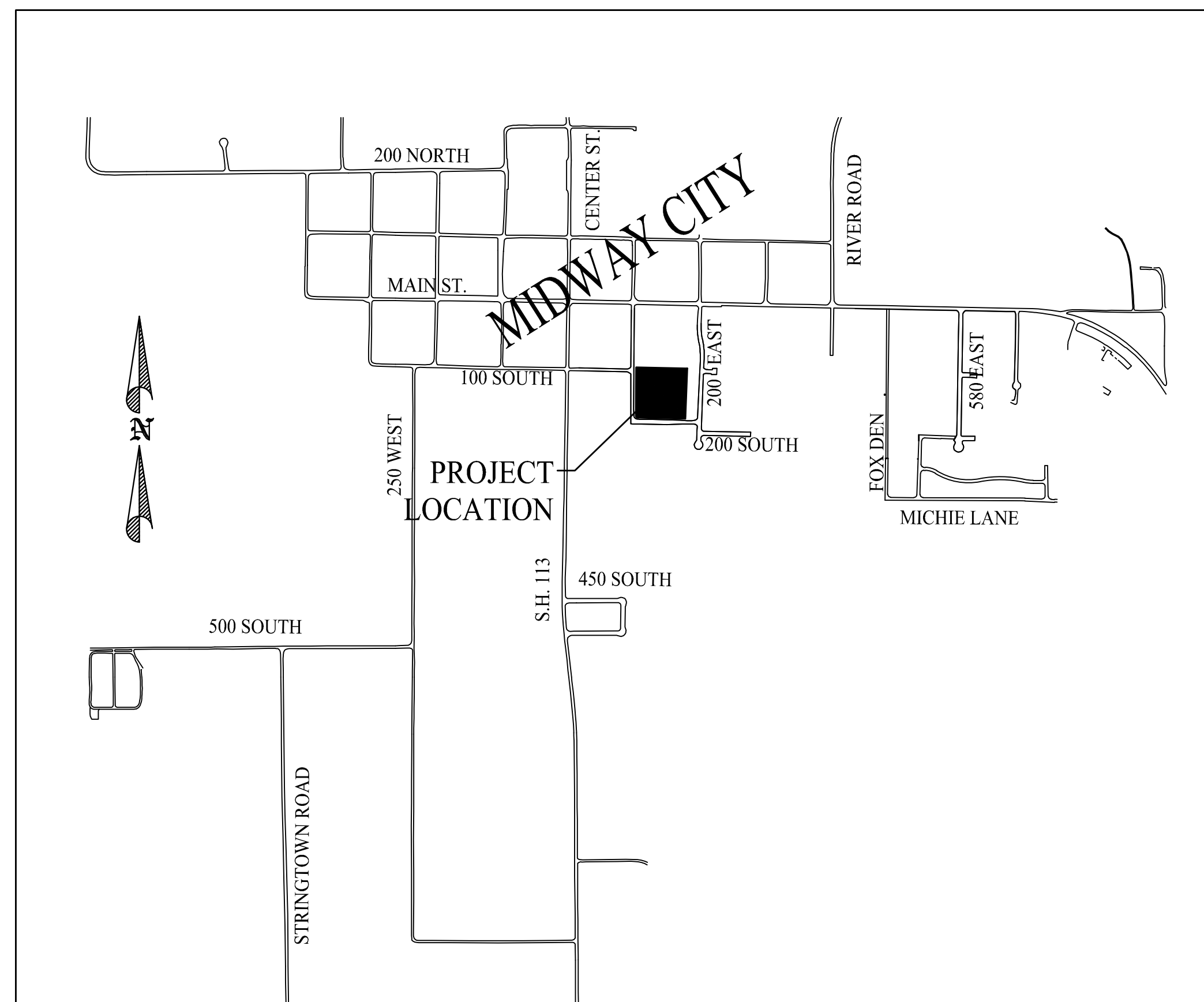


Wesley Johnson, P.E.
Midway City Engineer

cc: Berg Engineering

BONNER MEADOWS

PRELIMINARY PLANS



MIDWAY CITY
VICINITY MAP

SHEET INDEX

1. PRELIMINARY PLAN
2. 100 SOUTH ROAD PLAN & PROFILE
3. 180 EAST ROAD PLAN & PROFILE
4. 100 EAST AND 185 SOUTH ROAD WIDENING PLAN
5. PRELIMINARY UTILITY PLAN
6. PRELIMINARY STORM DRAIN PLAN

BONNER MEADOWS PRELIMINARY PLANS - 9 MARCH 2022

THIS DOCUMENT IS RELEASED
FOR REVIEW ONLY. IT IS NOT
INTENDED FOR CONSTRUCTION
UNLESS SIGNED AND SEALED.

PAUL D. BERG P.E.
SERIAL NO. 295595
DATE: 09 MAR 2022

C.W. URBAN
BONNER MEADOWS

COVER SHEET



DESIGN BY: PDB	DATE: 09 MAR 2022	SHEET
DRAWN BY: PDB	REV:	0

BOUNDARY DESCRIPTION

BEGINNING AT A POINT WHICH IS EAST 511.90 FEET AND NORTH 752.39 FEET FROM THE SOUTHWEST QUARTER CORNER OF SECTION 35, TOWNSHIP 3 SOUTH, RANGE 4 EAST, SALT LAKE BASE AND MERIDIAN;

THENCE NORTH 00°05'57" EAST 440.20 FEET;
 THENCE SOUTH 89°07'04" EAST 462.47 FEET;
 THENCE SOUTH 02°14'09" WEST 460.00 FEET;
 THENCE NORTH 88°27'53" WEST 430.78 FEET;
 THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT 23.19 FEET (CENTRAL ANGLE OF 88°33'50" AND CHORD OF NORTH 44°10'58" WEST 20.95 FEET) TO THE POINT OF BEGINNING.

CONTAINING: 4.77 ACRES

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD	BEARING
C1	23.19'	15.00'	88°33'50"	20.95'	N 44°10'58" W
C2	23.77'	15.00'	90°46'59"	21.36'	N 45°29'25" E
C3	23.90'	15.00'	91°17'35"	21.45'	S 43°28'16" E
C5	33.36'	17.00'	112°25'09"	28.26'	S 58°23'06" W
C6	48.76'	58.00'	48°09'54"	47.33'	N 89°29'17" W
C7	56.73'	58.00'	56°02'12"	54.49'	S 38°24'40" W
C8	60.00'	58.00'	59°16'15"	57.36'	S 19°14'33" E
C9	60.00'	58.00'	59°16'19"	57.36'	S 78°30'50" E
C10	43.55'	58.00'	43°01'14"	42.53'	N 50°20'24" E
C11	8.71'	17.00'	29°20'43"	8.61'	N 43°30'08" E
C12	7.73'	100.00'	04°25'54"	7.73'	N 55°57'33" E
C13	90.00'	100.00'	51°34'04"	7.73'	N 27°57'34" E
C14	23.22'	15.00'	88°42'25"	20.97'	N 46°31'44" E
C15	114.92'	72.00'	91°26'59"	103.10'	S 47°54'01" W

PARCEL: 00-0006-5172

ZONING: R-1-9

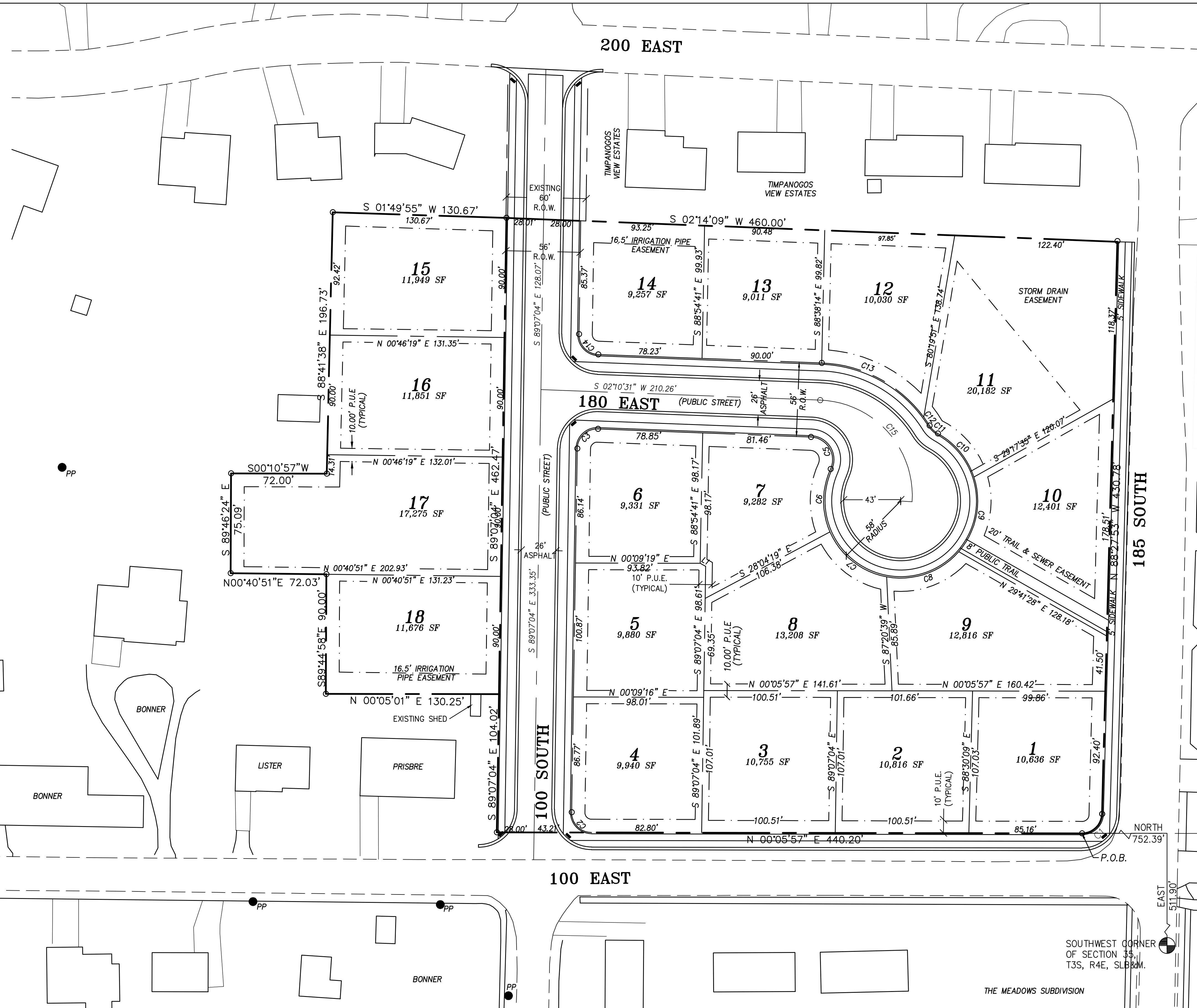
SINGLE FAMILY HOMES ARE PROPOSED FOR ALL LOTS WITHIN THE SUBDIVISION.

MAIN STREET

Title: 24 Village Wood, Owner: Mackenzie Properties, File Name: 01_Preliminary Planning, Plot Date: March 07, 2022, Plotted by: ngr



SCALE: 1"=40'
 SCALE 1"=80' FOR 11"x17" PLANS

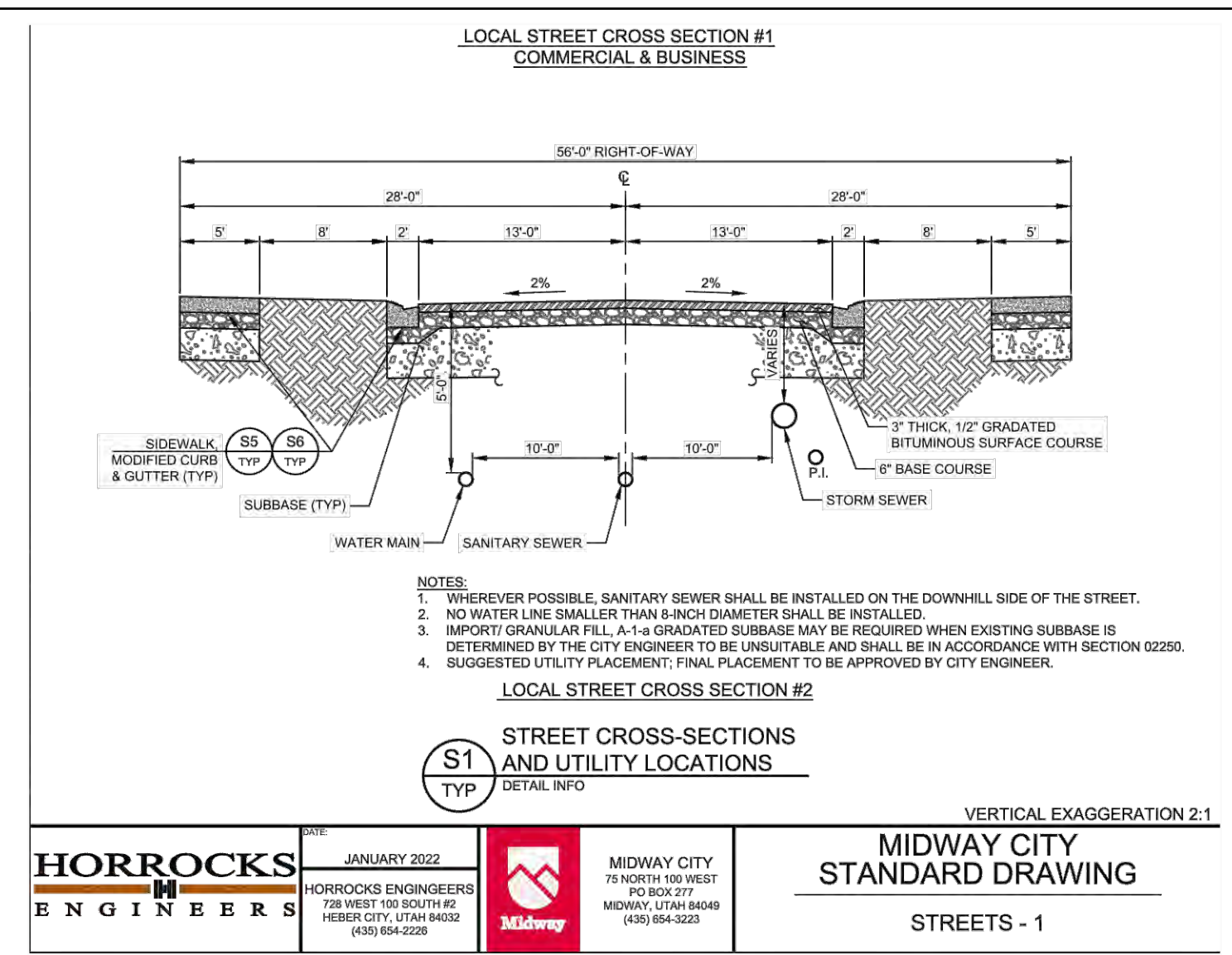
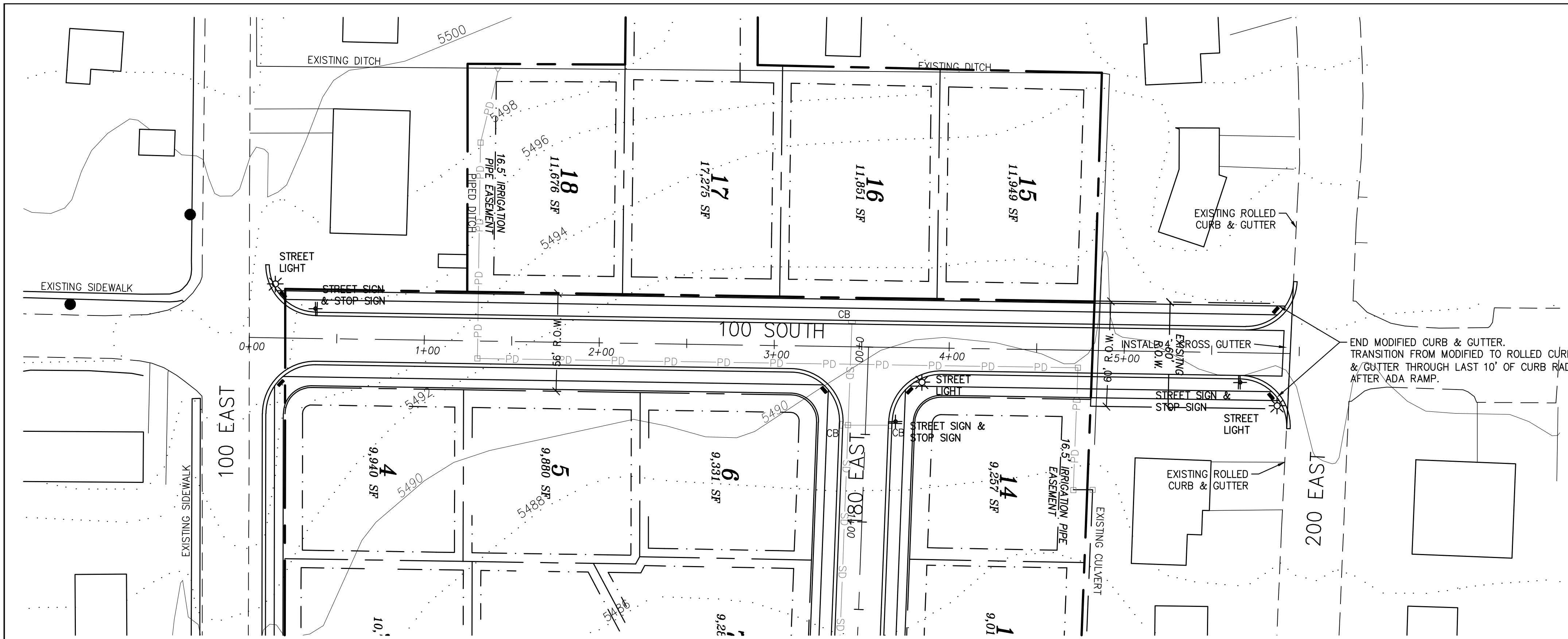


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 SERIAL NO. 295595
 DATE: 09 MAR 2022

C. W. URBAN
 BONNER MEADOWS
 PRELIMINARY SITE PLAN



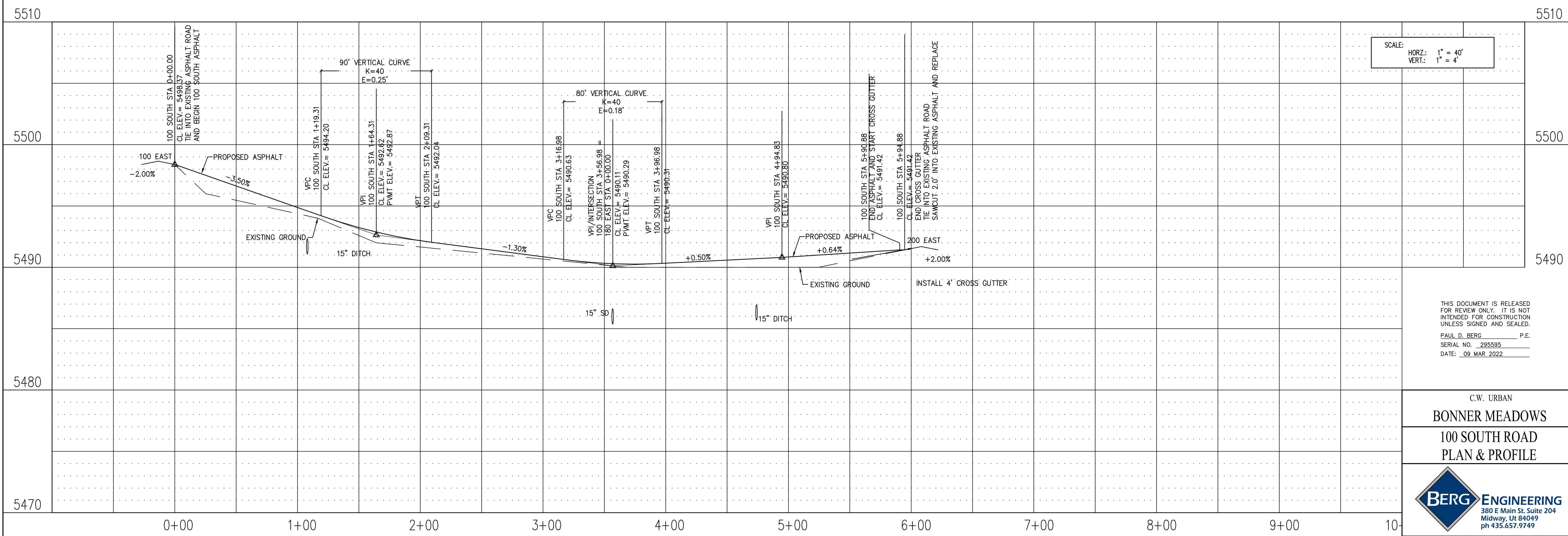
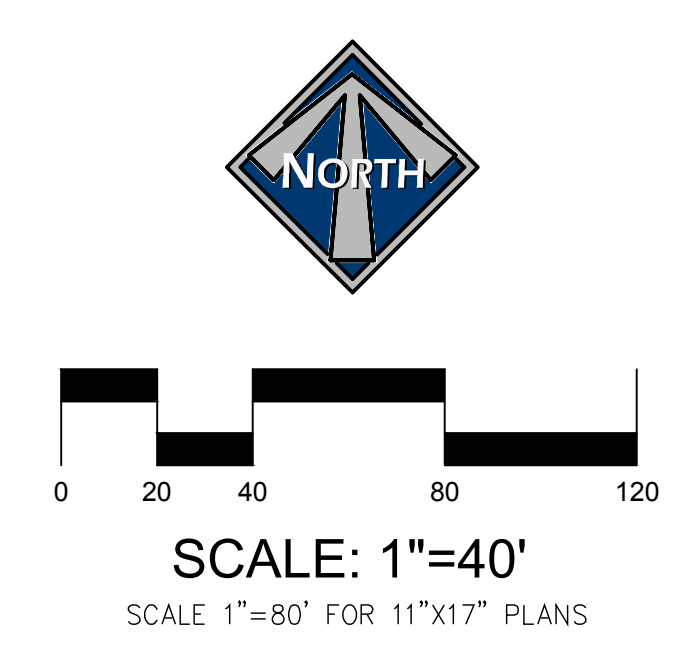
DESIGN BY: PDB DATE: 9 MAR 2022 SHEET 1
 DRAWN BY: PDB REV: 1



LEGEND
 SD PROPOSED STORM DRAIN
 PD PROPOSED PIPED DITCH

BLUE STAKE NOTE:
 LOCATION OF EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE AND MAY BE INCOMPLETE. CONTRACTOR IS RESPONSIBLE FOR BLUE STAKING OF UTILITIES.

SIDEWALK/TRAIL NOTE:
 ADA RAMP ARE REQUIRED AT ALL ROAD INTERSECTIONS.



SCALE:
 HORZ.: 1" = 40'
 VERT.: 1" = 4'

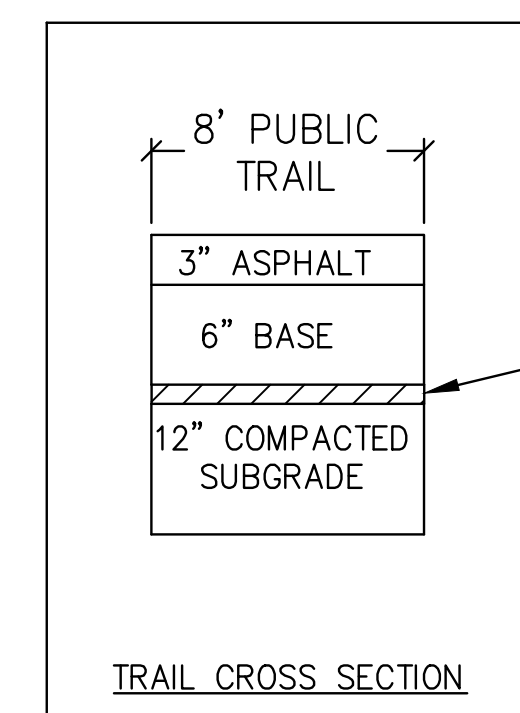
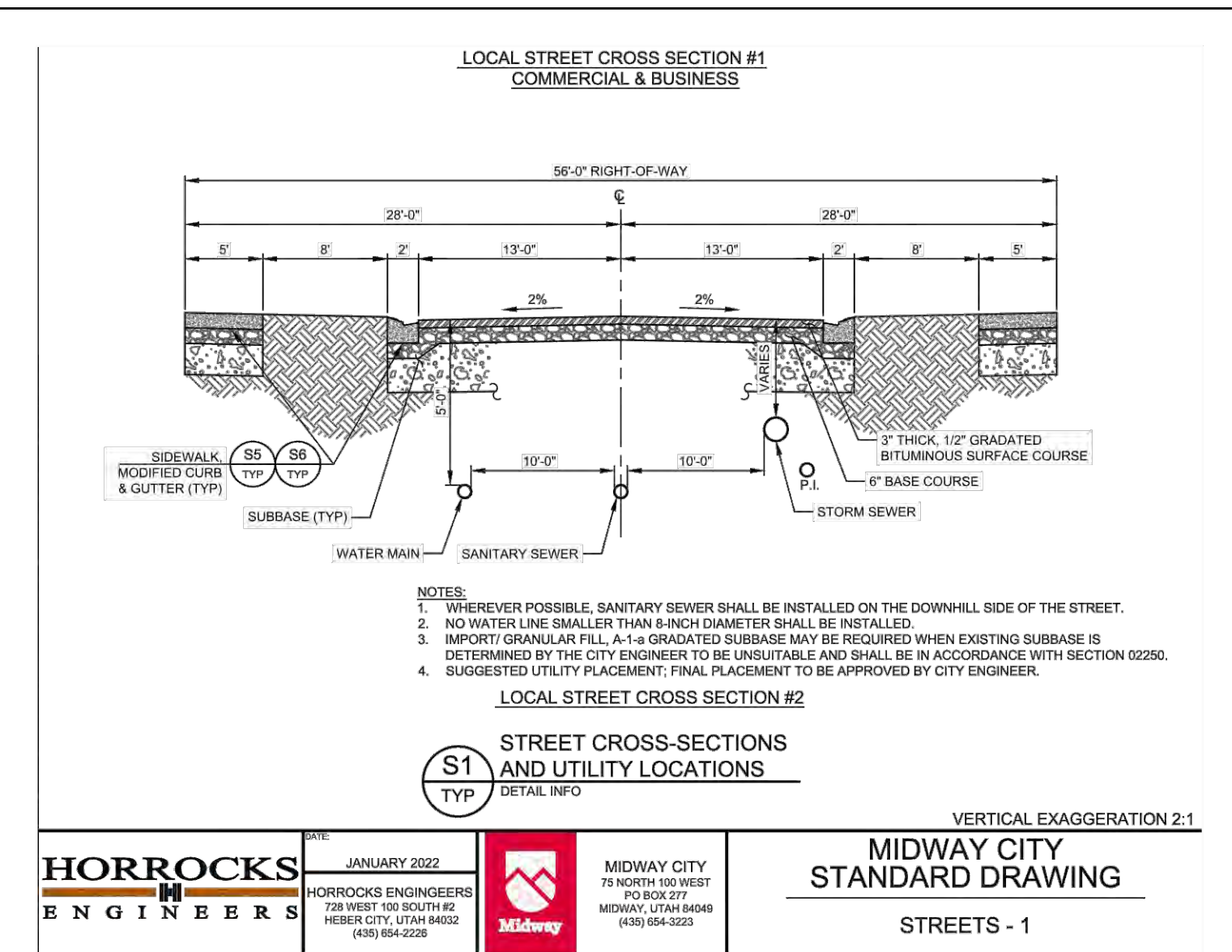
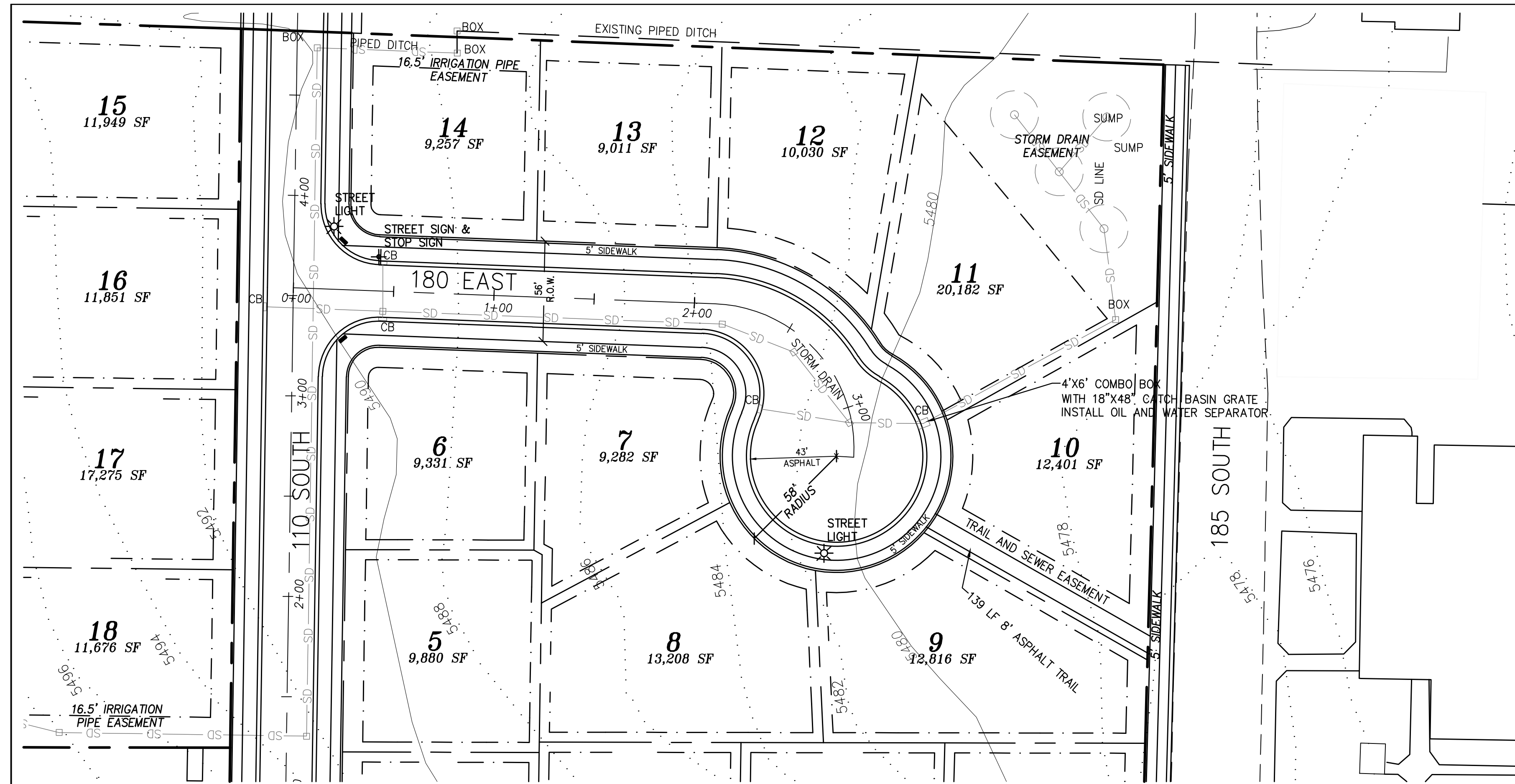
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 SERIAL NO. 295595
 DATE: 09 MAR 2022

C.W. URBAN
BONNER MEADOWS
100 SOUTH ROAD
PLAN & PROFILE

380 E Main St. Suite 204
 Midway, UT 84049
 ph 435.657.9749

DESIGN BY: PDB DATE: 9 MAR 2022
 DRAWN BY: PDB REV: SHEET 2

Path: N:\Midway\Bonner Meadows\Drawings\100 South Road.dwg | plot date: March 07, 2022 | plotted by: roger



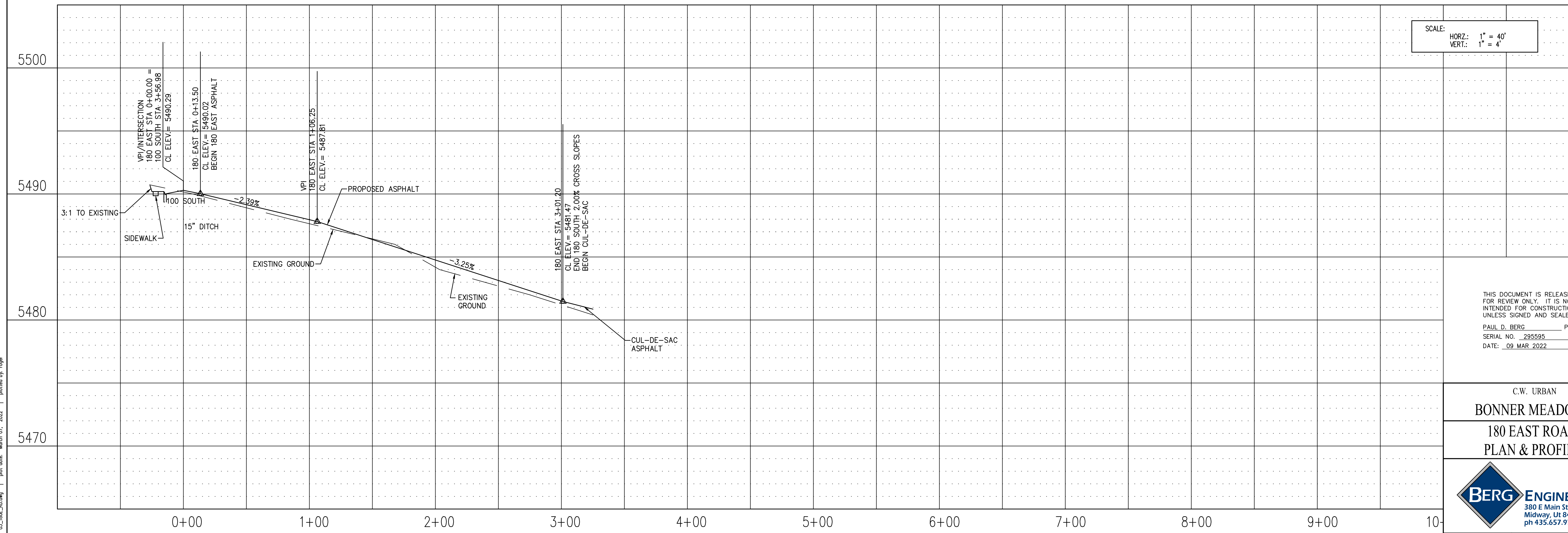
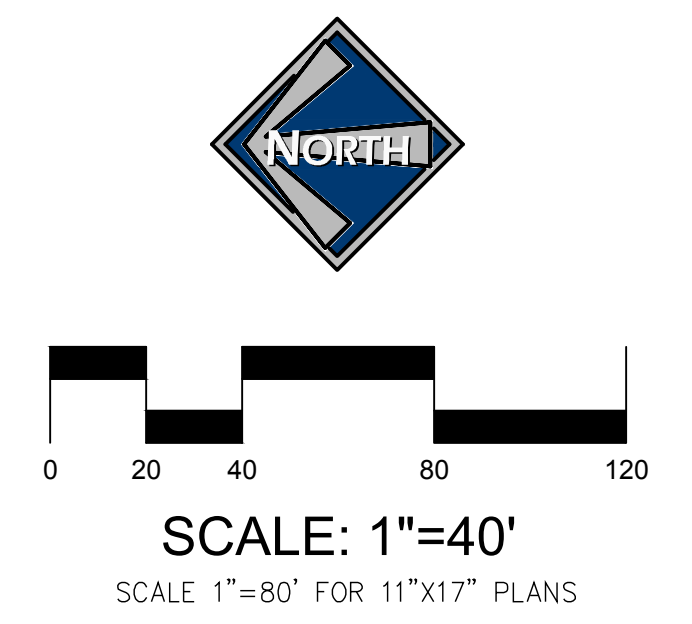
LEGEND

SD — PROPOSED STORM DRAIN
PD — PROPOSED PIPED DITCH

BLUE STAKE NOTE:
LOCATION OF EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE AND MAY BE INCOMPLETE. CONTRACTOR IS RESPONSIBLE FOR BLUE STAKING OF UTILITIES.

SIDEWALK/TRAIL NOTE:
ADA RAMPS ARE REQUIRED AT ALL ROAD INTERSECTIONS.

ADA RAMP



SCALE:
HORZ.: 1" = 40'
VERT.: 1" = 4'

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DATE: 09 MAR 2022

C.W. URBAN
BONNER MEADOWS
180 EAST ROAD
PLAN & PROFILE

BERG ENGINEERING
380 E Main St. Suite 204
Midway, UT 84049
ph 435.657.9749

DESIGN BY: PDB
DRAWN BY: PDB

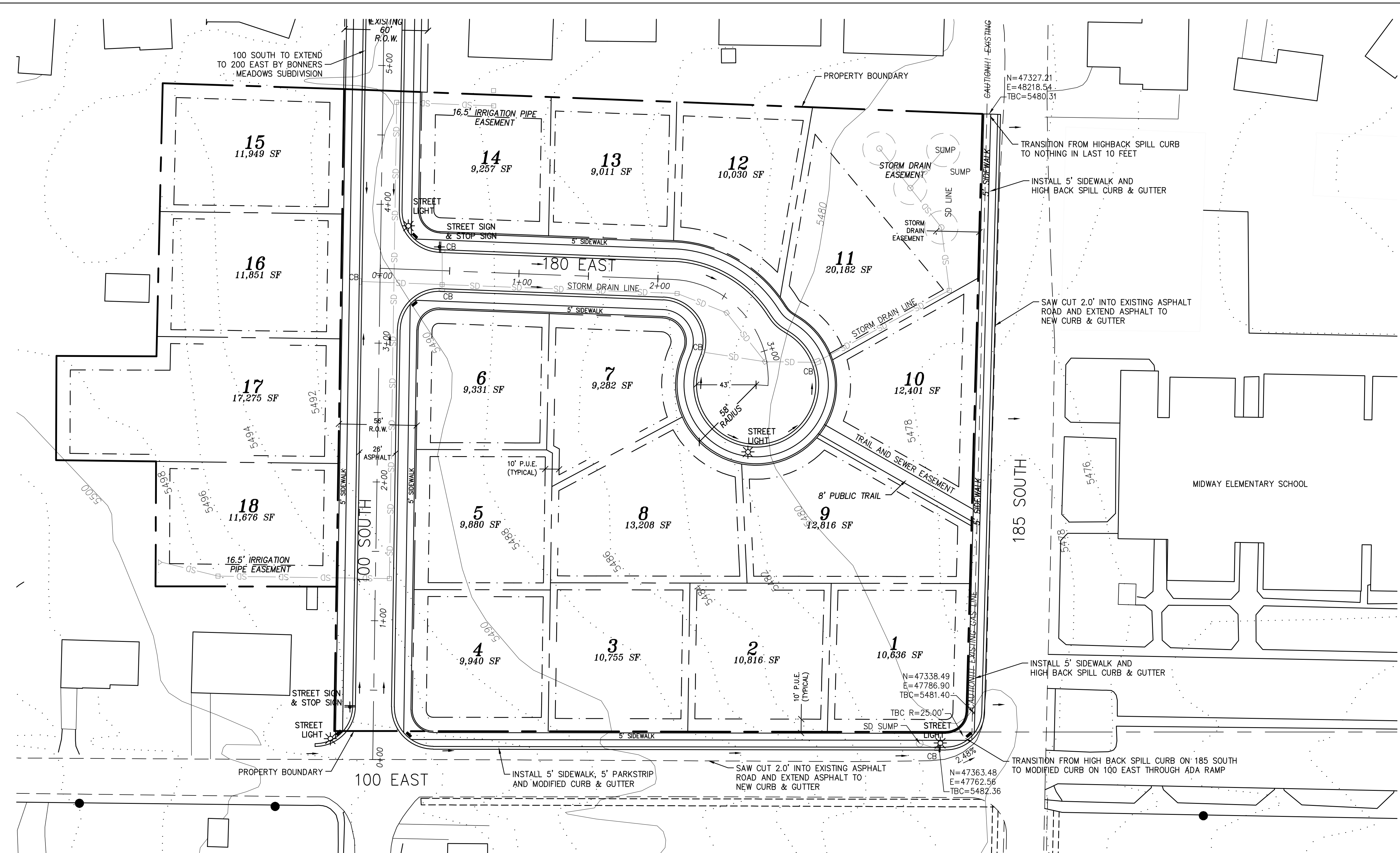
DATE: 9 MAR 2022
REV:

SHEET
3

Plot: N:\Midway\Bonn Meadows\Plan\180 East\180 East.dwg | plot date: March 07, 2022 | plotted by: roger



SCALE: 1"=40'
SCALE 1"=80' FOR 11"x17" PLANS



LEGEND

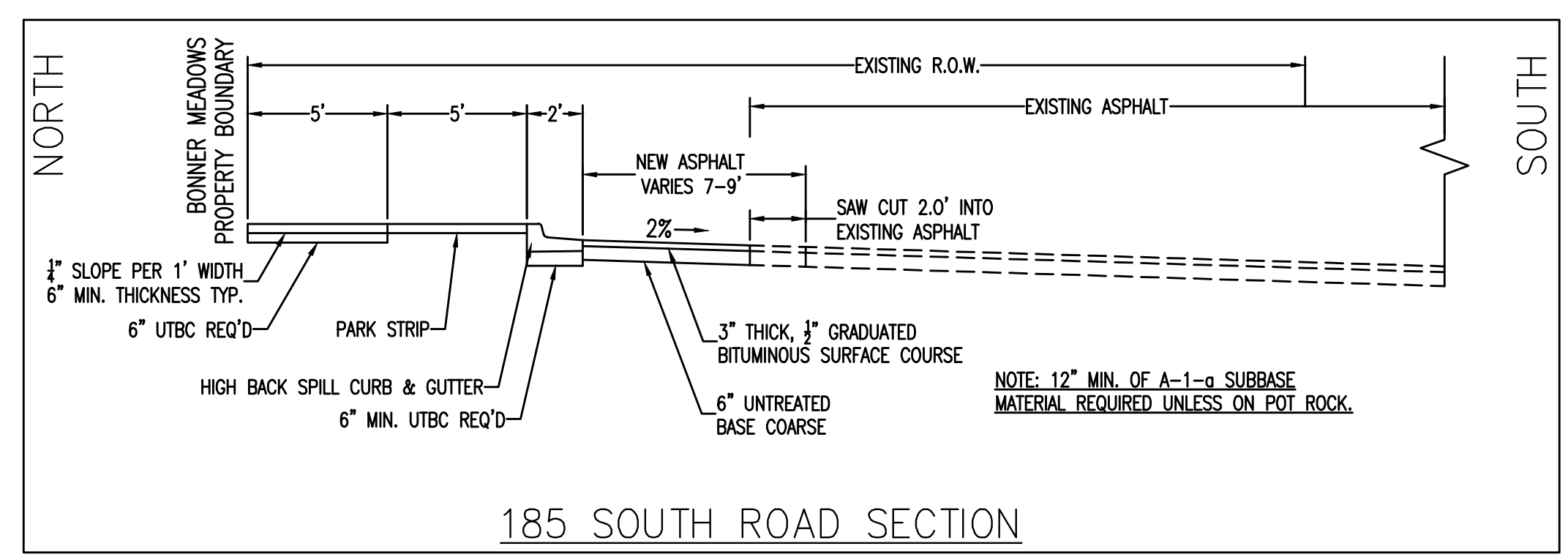
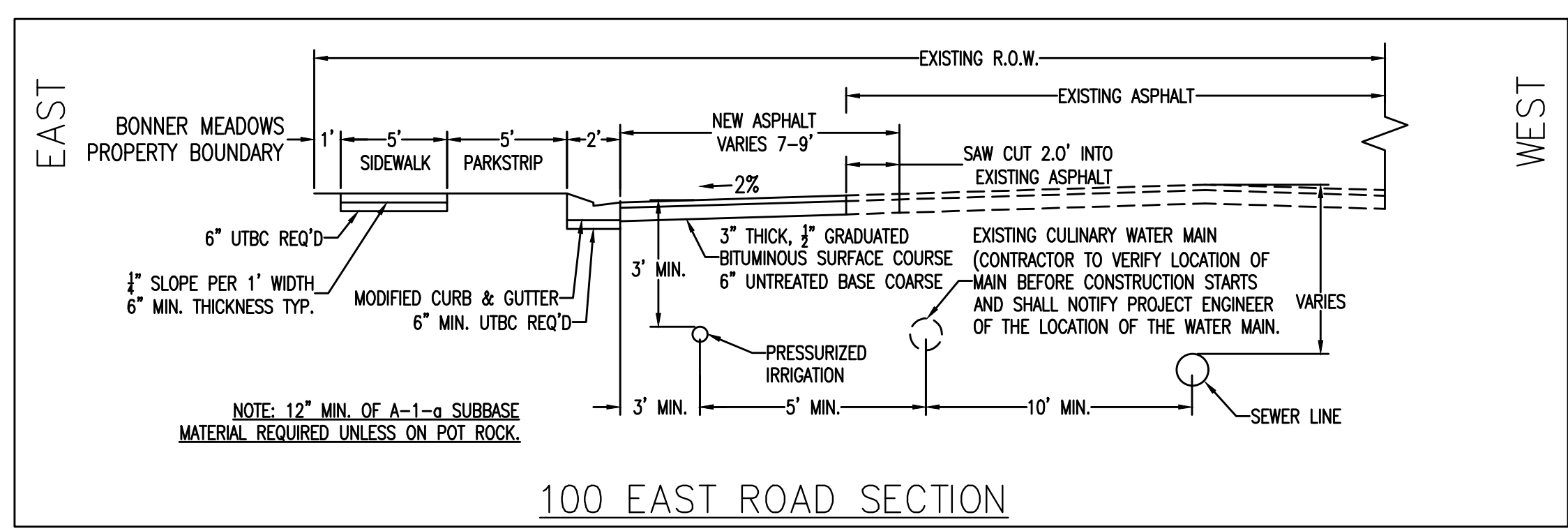
- SD PROPOSED STORM DRAIN
- PD PROPOSED PIPED DITCH

CONSTRUCTION NOTES:

- LOCATION OF EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE AND MAY BE INCOMPLETE. CONTRACTOR IS RESPONSIBLE FOR BLUE STAKING OF UTILITIES.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE CONSTRUCTION OF 100 EAST AND 185 SOUTH WITH MIDWAY CITY, MIDWAY ELEMENTARY SCHOOL, AND WASATCH SCHOOL DISTRICT BUS DEPARTMENT. 100 EAST AND 185 SOUTH SHALL NOT BE CLOSED OR HAVE TRAFFIC RESTRICTIONS WITHOUT THE APPROVAL OF THESE ENTITIES.

SIDEWALK NOTE:

ADA RAMPS ARE REQUIRED AT ALL ROAD INTERSECTIONS.



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C.W. URBAN
BONNER MEADOWS
 100 EAST AND 185 SOUTH
 ROAD WIDENING PLAN

380 E Main St. Suite 204
 Midway, UT 84049
 ph 435.657.9749

DESIGN BY: PDB	DATE: 9 MAR 2022	SHEET
DRAWN BY: PDB	REV:	4

Path: S:\Midway\Bonn Meadows\Drawings\100 East and 185 South\100 East and 185 South.dwg | plot date: March 07, 2022 | plotted by: roger

SANITARY SEWER SYSTEM NOTES:

1. ALL SEWER CONSTRUCTION TO BE TO MIDWAY SANITATION DISTRICT STANDARDS INCLUDING THE FOLLOWING:
 - ALL SEWER CLEANOUTS SHALL HAVE METAL LIDS
 - ALL SEWER MAIN LINES AND LATERAL SHALL BE INSTALLED WITH TRACER WIRE.
2. ALL LOTS SHALL HAVE A 4 INCH SEWER LATERAL.

CULINARY WATER SYSTEM NOTES:

1. ALL CULINARY WATER CONSTRUCTION TO MEET MIDWAY CITY STANDARDS.
2. ALL UNITS SHALL HAVE A 1" WATER SERVICE WITH A 1" METER.

PRESSURIZED IRRIGATION SYSTEM NOTES:

1. ALL PRESSURIZED IRRIGATION CONSTRUCTION TO MEET MIDWAY IRRIGATION COMPANY STANDARDS.
2. ALL PRESSURIZED IRRIGATION LINES SHALL BE C-900 PURPLE PIPE.
3. A 1" PRESSURIZED IRRIGATION SERVICE IS TO BE PROVIDED TO EACH LOT. ADJACENT LOTS MAY SHARE A 1-1/2" SERVICE THAT IS SPLIT INTO TWO 1" SERVICES AT THE PROPERTY LINE.

ALL SERVICES TO LOTS SHALL BE INSTALLED TO THE LIMIT OF PUBLIC UTILITY EASEMENT.

CONSTRUCTION NOTES:

1. LOCATION OF EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE AND MAY BE INCOMPLETE. CONTRACTOR IS RESPONSIBLE FOR BLUE STAKING OF UTILITIES.
2. CONTRACTOR IS RESPONSIBLE TO COORDINATE CONSTRUCTION OF 100 EAST AND 185 SOUTH WITH MIDWAY CITY, MIDWAY ELEMENTARY SCHOOL, AND WASATCH SCHOOL DISTRICT BUS DEPARTMENT. 100 EAST AND 185 SOUTH SHALL NOT BE CLOSED OR HAVE TRAFFIC RESTRICTIONS WITHOUT THE APPROVAL OF THESE ENTITIES.

WATER METER, FIRE HYDRANT, AND P.I. BOX LOCATION NOTE:

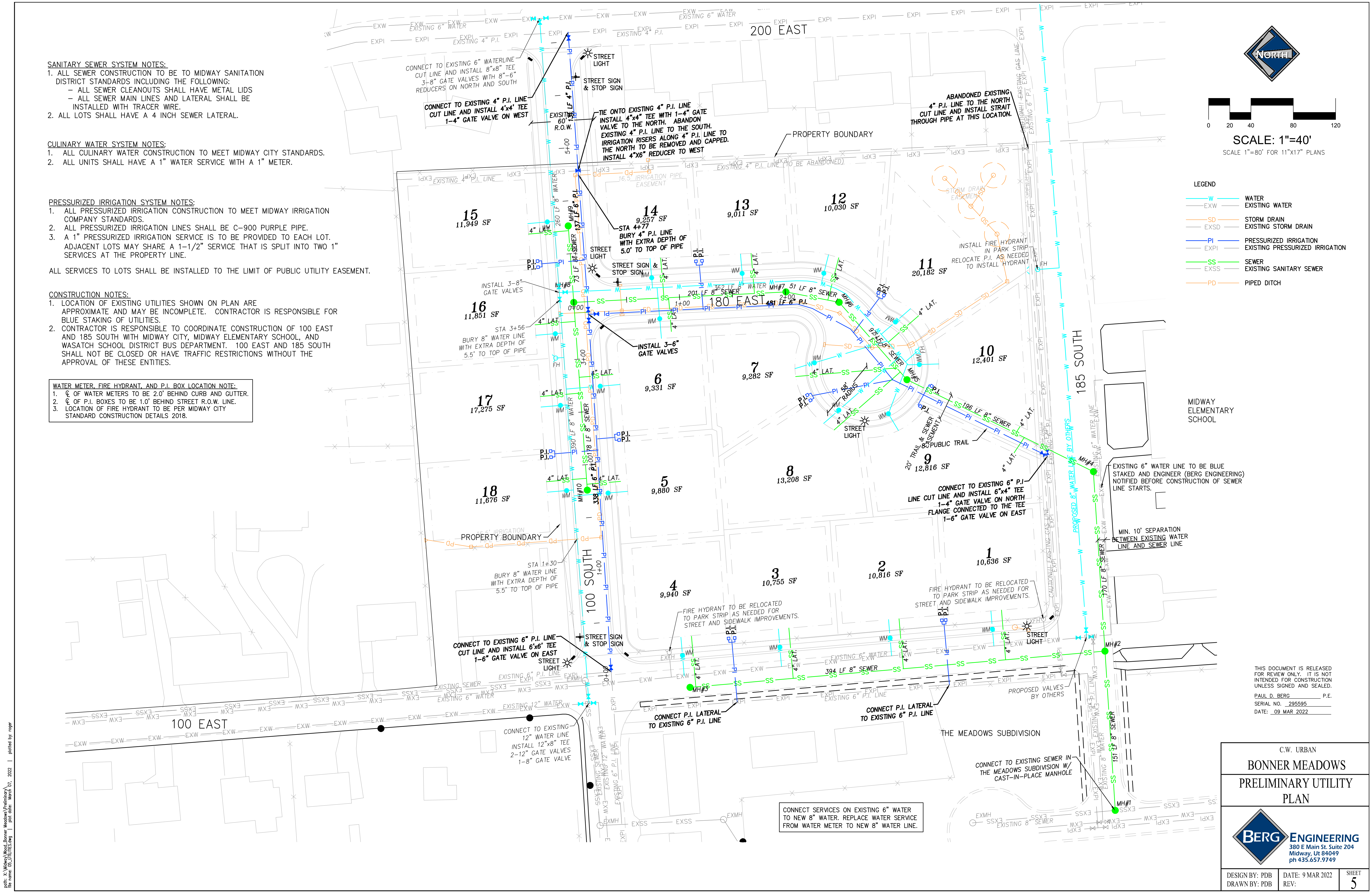
1. ☉ OF WATER METERS TO BE 2.0' BEHIND CURB AND GUTTER.
2. ☉ OF P.I. BOXES TO BE 1.0' BEHIND STREET R.O.W. LINE.
3. LOCATION OF FIRE HYDRANT TO BE PER MIDWAY CITY STANDARD CONSTRUCTION DETAILS 2018.



SCALE: 1"=40'
SCALE 1"=80' FOR 11"x17" PLANS

LEGEND

- W — WATER
- EXW — EXISTING WATER
- SD — STORM DRAIN
- EXSD — EXISTING STORM DRAIN
- PI — PRESSURIZED IRRIGATION
- EXPI — EXISTING PRESSURIZED IRRIGATION
- SS — SEWER
- EXSS — EXISTING SANITARY SEWER
- PD — PIPED DITCH



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C.W. URBAN
BONNER MEADOWS
PRELIMINARY UTILITY
PLAN



DESIGN BY: PDB DATE: 9 MAR 2022 SHEET
DRAWN BY: PDB REV: 5

PLS: 18 Midway Meadows Bonner Meadows (Utilities) 11 plot date: March 07, 2022 | plotted by: nogr



SCALE: 1"=40'
SCALE 1"=80' FOR 11"x17" PLANS

Table 1 - 100 Year Storm Peak Runoff and Volume within Subdivision

Time Period (min)	Rainfall Intensity (in/hr)	Area (acres)	Developed Coefficient	Peak Runoff Rate (cfs)	Total Runoff Volume (cf)
15	4.08	6.15	0.40	10.04	9,033
30	2.76	6.15	0.40	6.79	12,221
60	1.71	6.15	0.40	4.21	15,144
120	0.96	6.15	0.40	2.36	17,004
180	0.65	6.15	0.40	1.60	17,269
360	0.35	6.15	0.40	0.86	18,598
720	0.21	6.15	0.40	0.52	22,317
1440	0.13	6.15	0.40	0.32	27,631

Table 2 - Retention Pond Design Calculations for 100 Year Storm

Time Period (min)	Total Runoff Volume (cf)	Soil Percolation Rate (inch/hour)	Sump Volume (cf)	Percolation from Sump (cf)	Storage Needed in Pond (cf)	Storage Needed in Pond (acre-ft)
15	9,033	2.0	5,432	126	3,475	0.08
30	12,221	2.0	5,432	292	6,537	0.15
60	15,144	2.0	5,432	504	9,208	0.21
120	17,004	2.0	5,432	1,008	10,564	0.24
180	17,269	2.0	5,432	1,512	10,325	0.24
360	18,598	2.0	5,432	3,024	10,142	0.23
720	22,317	2.0	5,432	6,048	10,837	0.25
1440	27,631	2.0	5,432	12,096	10,103	0.23

Table 3 - Retention Pond Storage Volume

Pond Elevation	Pond Depth (ft)	Pond Area (sf)	Pond Volume (cf)	Pond Volume (acre-ft)
5475.00	0.00	1,834	0	0.00
5476.00	1.00	2,994	2,414	0.06
5477.00	2.00	4,357	6,090	0.14
5478.00	3.00	5,884	11,210	0.26
5479.00	4.00	7,567	17,936	0.41

Notes:
Soil percolation rate of 2.0 inches per hour for Heber Valley Soils Survey.
A 7' sump has a volume of 1,358 cf and percolation rate through the sump of 0.035.

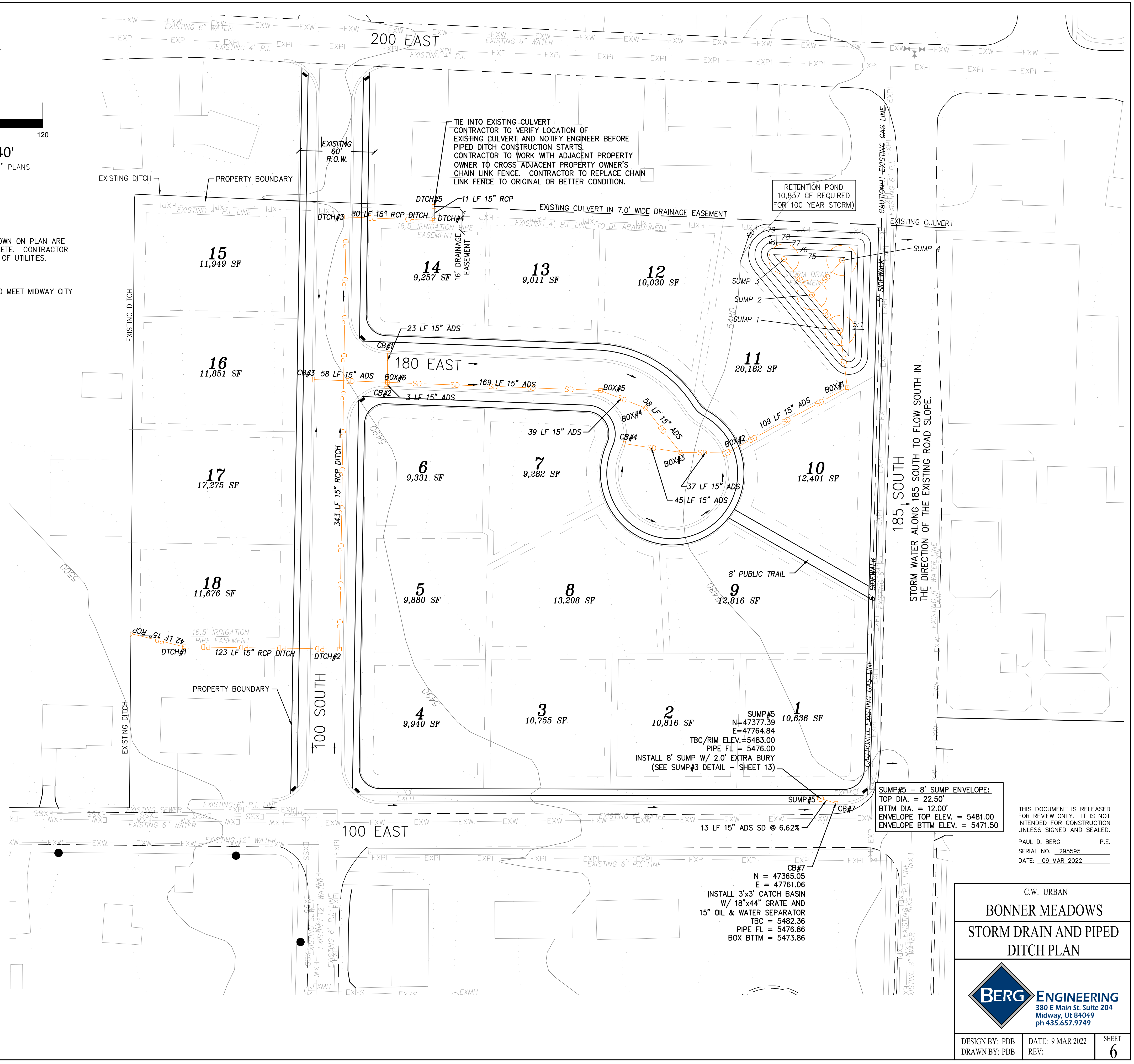
LEGEND

- W — WATER
- EXW — EXISTING WATER
- SD — STORM DRAIN
- EXSD — EXISTING STORM DRAIN
- PI — PRESSURIZED IRRIGATION
- EXP I — EXISTING PRESSURIZED IRRIGATION
- SS — SEWER
- EXSS — EXISTING SANITARY SEWER
- PD — PIPED DITCH

BLUE STAKE NOTE:
1. LOCATION OF EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE AND MAY BE INCOMPLETE. CONTRACTOR IS RESPONSIBLE FOR BLUE STAKING OF UTILITIES.

STORM DRAIN SYSTEM NOTE:
1. ALL STORM DRAIN CONSTRUCTION TO MEET MIDWAY CITY STANDARDS.

A 7' SUMP HAS A VOLUME OF 715 CF AND PERCOLATION RATE THROUGH THE SUMP OF 0.021.



SUMP#5 - 8' SUMP ENVELOPE:
TOP DIA. = 22.50'
BTM DIA. = 12.00'
ENVELOPE TOP ELEV. = 5481.00
ENVELOPE BTM ELEV. = 5471.50

N = 47365.05
E = 47761.06
INSTALL 3'x3' CATCH BASIN
W/ 18"x44" GRATE AND
15" OIL & WATER SEPARATOR
TBC = 5482.36
PIPE FL = 5476.86
BOX BTM = 5473.86

THIS DOCUMENT IS RELEASED FOR REVIEW ONLY. IT IS NOT INTENDED FOR CONSTRUCTION UNLESS SIGNED AND SEALED.
PAUL D. BERG P.E.
SERIAL NO. 295595
DATE: 09 MAR 2022

C.W. URBAN
BONNER MEADOWS
STORM DRAIN AND PIPED DITCH PLAN



DESIGN BY: PDB
DRAWN BY: PDB
DATE: 9 MAR 2022
REV:
SHEET 6