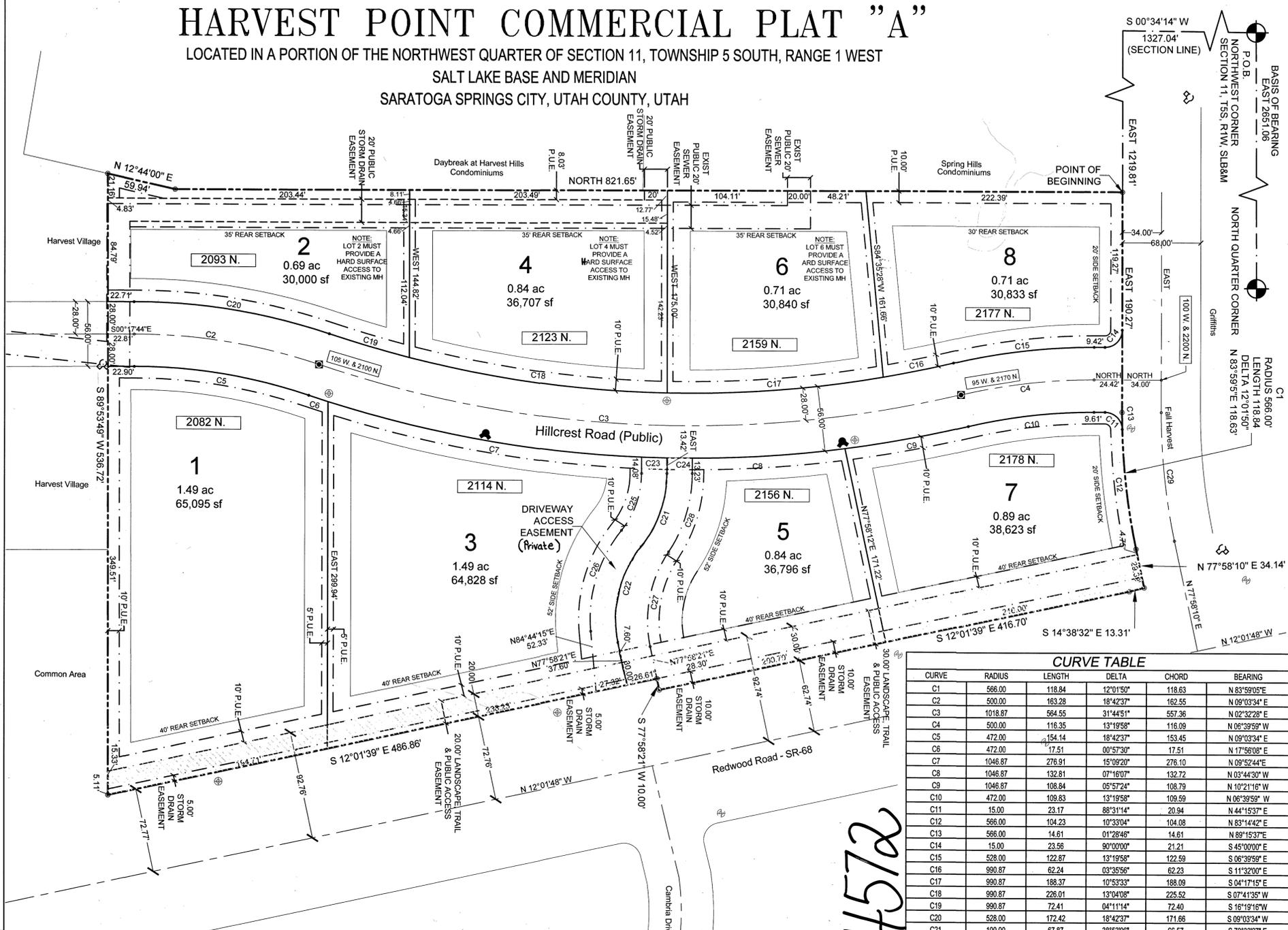


- NOTES:**
1. PLAT MUST BE RECORDED WITHIN 24 MONTHS OF FINAL PLAT APPROVAL BY CITY COUNCIL. FINAL PLAT APPROVAL WAS GRANTED ON THE 13TH DAY OF APRIL 2015.
 2. THE INSTALLATION OF ALL IMPROVEMENTS SHALL CONFORM TO ALL CITY RULES, ORDINANCES, REQUIREMENTS, STANDARDS, AND POLICIES REGARDING THE DEVELOPMENT OF THIS PROPERTY.
 3. PRIOR TO BUILDING PERMITS BEING ISSUED, SOIL TESTING STUDIES MAY BE REQUIRED ON EACH LOT AS DETERMINED BY THE CITY BUILDING OFFICIAL.
 4. PLAT MAY BE SUBJECT TO THE MASTER DEVELOPMENT AGREEMENT, DEVELOPMENT AGREEMENT, SUBDIVISION AGREEMENT, OR SITE PLAN AGREEMENT. SEE CITY RECORDER FOR MORE INFORMATION.
 5. BUILDING PERMITS WILL NOT BE ISSUED UNTIL ALL IMPROVEMENTS HAVE BEEN INSTALLED AND ACCEPTED BY THE CITY IN WRITING. ALL IMPROVEMENTS CURRENTLY MEET CITY STANDARDS; AND BONDS ARE POSTED BY THE CURRENT OWNER OF THE PROJECT PURSUANT TO CITY CODE.
 6. ALL BONDS AND BOND AGREEMENTS ARE BETWEEN THE CITY, DEVELOPER/OWNER, AND FINANCIAL INSTITUTION. NO OTHER PARTY, INCLUDING UNIT OR LOT OWNERS, SHALL BE DEEMED A THIRD-PARTY BENEFICIARY OR HAVE ANY RIGHTS INCLUDING THE RIGHT TO BRING ANY ACTION UNDER ANY BOND OR BOND AGREEMENT.
 7. THE OWNER OF THIS SUBDIVISION AND ANY SUCCESSORS AND ASSIGNS ARE RESPONSIBLE FOR ENSURING THAT IMPACT AND CONNECTION FEES ARE PAID AND WATER RIGHTS ARE SECURED FOR EACH INDIVIDUAL LOT. NO BUILDING PERMITS SHALL BE ISSUED FOR ANY LOT IN THIS SUBDIVISION UNTIL ALL IMPACT AND CONNECTION FEES, AT THE RATES IN EFFECT WHEN APPLYING FOR BUILDING PERMIT, ARE PAID IN FULL AND WATER RIGHTS SECURED AS SPECIFIED BY CURRENT CITY ORDINANCES AND FEE SCHEDULES.
 8. ALL OPEN SPACE AND TRAIL IMPROVEMENTS LOCATED HEREIN ARE TO BE INSTALLED BY A HOMEOWNERS ASSOCIATION UNLESS SPECIFIED OTHERWISE ON EACH IMPROVEMENT.
 9. ANY REFERENCE HEREIN TO OWNERS, DEVELOPERS, OR CONTRACTORS SHALL APPLY TO SUCCESSORS, AGENTS, AND ASSIGNS.
 10. NO DIRECT LOT ACCESS PERMITTED ALONG REDWOOD ROAD AND FALL HARVEST DRIVE.
 11. LOTS 2, 4, 6, & 8 ARE RESTRICTED TO A MAXIMUM STORM WATER RELEASE RATE OF 0.68 CFS/AC. LOTS 1, 3, 5, & 7 ARE RESTRICTED TO A MAXIMUM STORM WATER RELEASE RATE OF 0.20 CFS/AC.
 12. ALL LOTS MUST PROVIDE OIL/WATER SEPARATOR BEFORE DISCHARGE.
 13. DRIVEWAY ACCESS EASEMENT FOR THE BENEFIT AND USE OF THE OWNERS OF ALL LOTS. DRIVEWAY ACCESS TO BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
 14. PARKSTRIPS AND REDWOOD ROAD FRONTAGE IMPROVEMENTS TO BE MAINTAINED BY INDIVIDUAL LOT OWNERS.
 15. SHALLOW SEWER DEPTHS! CONTRACTOR SHALL VERIFY SEWER DEPTHS BEFORE EXCAVATING BASEMENTS. BUILDINGS WITH BASEMENT MAY NOT HAVE SERVICE AVAILABLE FOR BASEMENT.

HARVEST POINT COMMERCIAL PLAT "A"

LOCATED IN A PORTION OF THE NORTHWEST QUARTER OF SECTION 11, TOWNSHIP 5 SOUTH, RANGE 1 WEST

SALT LAKE BASE AND MERIDIAN
SARATOGA SPRINGS CITY, UTAH COUNTY, UTAH



SURVEYOR'S CERTIFICATE

I, Tracy Burham, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT I HOLD A LICENSE, CERTIFICATE NO. 6418780, IN ACCORDANCE WITH THE PROFESSIONAL ENGINEERS AND LAND SURVEYORS LICENSING ACT FOUND IN TITLE 58, CHAPTER 22 OF THE UTAH CODE. I FURTHER CERTIFY THAT BY AUTHORITY OF THE OWNERS, I HAVE MADE A SURVEY OF THE TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW, HAVE SUBDIVIDED SAID TRACT OF LAND INTO LOTS, STREETS, AND EASEMENTS, HAVE COMPLETED A SURVEY OF THE PROPERTY DESCRIBED ON THIS PLAT IN ACCORDANCE WITH UTAH CODE SECTION 17-23-17, HAVE VERIFIED ALL MEASUREMENTS, AND HAVE PLACED MONUMENTS AS REPRESENTED ON THE PLAT. I FURTHER CERTIFY THAT EVERY EXISTING RIGHT-OF-WAY AND EASEMENT GRANT OF RECORD FOR UNDERGROUND FACILITIES, AS DEFINED IN UTAH CODE SECTION 54-8A-2, AND FOR OTHER UTILITY FACILITIES, AS CURATELY DESCRIBED ON THIS PLAT, AND THAT THIS PLAT IS TRUE AND CORRECT. I ALSO CERTIFY THAT I HAVE FILED, OR WILL FILE WITHIN 90 DAYS OF THE RECORDATION OF THIS PLAT, A MAP OF THE SURVEY I HAVE COMPLETED WITH THE UTAH COUNTY SURVEYOR.

BOUNDARY DESCRIPTION

A PARCEL OF LAND SITUATED IN THE NORTHWEST QUARTER OF SECTION 11, TOWNSHIP 5 SOUTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN, SAID PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH IS S00°34'14" W 1327.04 FEET AND EAST 1219.81 FEET FROM THE NORTHWEST CORNER OF SECTION 11, T5S, R1W, S188M, SAID POINT BEING ALONG THE SOUTH RIGHT-OF-WAY LINE OF FALL HARVEST DRIVE;

RUNNING THENCE EASTERLY ALONG SAID LINE THE FOLLOWING THREE (3) COURSES: EAST 190.27 FEET, ALONG THE ARC OF A 566.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 118.84 FEET (CENTRAL ANGLE 12°01'50" AND CHORD BEARS N83°59'05" E 118.63 FEET) AND N77°58'10" E 34.14 FEET TO A POINT ALONG THE WEST RIGHT-OF-WAY LINE OF REDWOOD ROAD, THENCE SOUTHERLY ALONG SAID LINE THE FOLLOWING FOUR (4) COURSES: S14°38'32" E 13.31 FEET, S12°01'39" E 416.70 FEET, S77°58'21" W 10.00 FEET AND S12°01'39" E 486.86 FEET TO THE NORTH BOUNDARY LINE OF HARVEST VILLAGE, THENCE WESTERLY ALONG SAID BOUNDARY LINE S89°53'49" W 536.72 FEET TO A POINT ALONG THE EASTERLY BOUNDARY LINES OF DAYBREAK AT HARVEST HILLS SUBDIVISION AND SPRING HILLS CREEK CONDOMINIUMS THE FOLLOWING TWO (2) COURSES: N12°44'00" E 59.94 FEET AND NORTH 821.65 FEET TO THE POINT OF BEGINNING.

CONTAINS: 8.81 ACRES # OF LOTS: 8

BASIS OF BEARING: SECTION LINE BETWEEN THE NORTHWEST CORNER AND THE NORTH QUARTER CORNER OF SECTION 11 T5S, R2W, S188M BEARING EAST 2651.06 FEET

DATE: Dec 18, 2014 SURVEYOR'S NAME: Tracy Burham
LICENSE NO.: 6418780

OWNER'S DEDICATION

KNOW ALL MEN BY THESE PRESENTS THAT Andrew Callister & Tracy Burham THE UNDERSIGNED OWNER(S) OF THE ABOVE DESCRIBED TRACT OF LAND HAVING CAUSED THE SAME TO BE SUBDIVIDED INTO LOTS AND STREETS TO BE HEREAFTER KNOWN AS

HARVEST POINT COMMERCIAL PLAT "A"

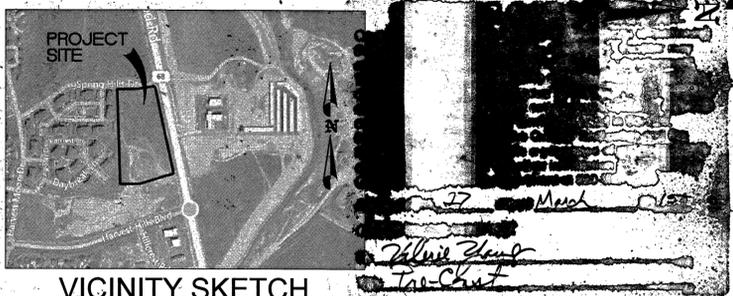
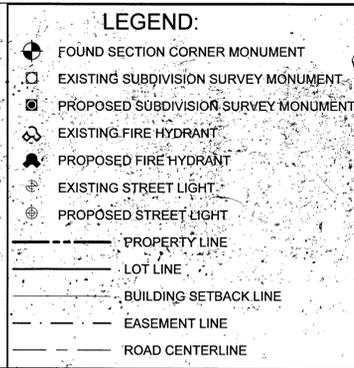
DO HEREBY DEDICATE FOR PERPETUAL USE OF THE PUBLIC AND/OR CITY ALL PARCELS OF LAND, EASEMENTS, RIGHT-OF-WAY, AND PUBLIC AMENITIES SHOWN ON THIS PLAT AS INTENDED FOR PUBLIC AND/OR CITY USE. THE OWNER(S) VOLUNTARILY DEFEND, INDEMNIFY, AND SAVE HARMLESS THE CITY AGAINST ANY EASEMENTS OR OTHER ENCUMBRANCE ON A DEDICATED STREET WHICH WILL INTERFERE WITH THE CITY'S USE, MAINTENANCE AND OPERATION OF THE STREET. THE OWNER(S) VOLUNTARILY DEFEND, INDEMNIFY, AND HOLD HARMLESS THE CITY FROM ANY DAMAGE CLAIMED BY PERSONS WITHIN OR WITHOUT THIS SUBDIVISION TO HAVE BEEN CAUSED BY ALTERATIONS OF THE GROUND SURFACE, VEGETATION, DRAINAGE, OR SURFACE OR SUB-SURFACE WATER FLOWS WITHIN THIS SUBDIVISION OR BY ESTABLISHMENT OR CONSTRUCTION OF THE ROADS WITHIN THIS SUBDIVISION.

IN WITNESS WHEREOF, I HAVE HERETO SET THIS 18TH DAY OF APRIL, A.D. 2015

Andrew Callister FOR PREMIUM OIL COMPANY
Tracy Burham FOR ATC INVESTMENTS LLC

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	CHORD	BEARING
C1	566.00	118.84	12°01'50"	118.63	N 83°59'05" E
C2	500.00	163.28	18°42'37"	162.55	N 09°03'34" E
C3	1018.87	564.55	31°44'51"	557.36	N 02°32'28" E
C4	500.00	116.35	13°19'58"	116.09	N 06°39'59" W
C5	472.00	154.14	18°42'37"	153.45	N 09°03'34" E
C6	472.00	17.51	00°57'30"	17.51	N 17°56'08" E
C7	1046.87	276.91	15°09'20"	276.10	N 09°52'44" E
C8	1046.87	132.81	07°16'07"	132.72	N 03°44'30" W
C9	1046.87	108.84	05°57'24"	108.79	N 10°21'16" W
C10	472.00	109.83	13°19'58"	109.59	N 06°39'59" W
C11	15.00	23.17	88°31'14"	20.94	N 44°15'37" E
C12	566.00	104.23	10°33'04"	104.08	N 83°14'42" E
C13	566.00	14.61	01°28'46"	14.61	N 89°15'37" E
C14	15.00	23.56	90°00'00"	21.21	S 45°00'00" E
C15	528.00	122.87	13°19'58"	122.59	S 06°39'59" E
C16	990.87	62.24	03°35'56"	62.23	S 11°32'00" E
C17	990.87	188.37	10°53'33"	188.09	S 04°17'15" E
C18	990.87	226.01	13°04'08"	225.52	S 07°41'35" W
C19	990.87	72.41	04°11'14"	72.40	S 16°19'16" W
C20	528.00	172.42	18°42'37"	171.66	S 09°03'34" W
C21	100.00	67.87	38°53'06"	66.57	S 70°33'27" E
C22	100.00	88.86	50°54'45"	85.96	S 76°34'17" E
C23	1046.87	22.01	01°12'17"	22.00	N 01°41'56" E
C24	1046.87	22.00	01°12'15"	22.00	N 00°29'17" E
C25	78.00	52.94	38°53'06"	51.93	S 70°33'27" E
C26	122.00	94.00	44°08'51"	91.70	S 73°11'20" E
C27	108.00	86.09	45°40'19"	83.83	N 79°11'29" W
C28	122.00	71.64	33°38'40"	70.61	N 73°10'40" W
C29	532.00	111.70	12°01'50"	111.50	N 83°59'05" E



State of Utah, County of Utah
 I, Tracy Burham, Notary Public, do hereby certify that Brian Nichols and Tracy Burham who being duly sworn did say each for himself that they are the managers of Nickols Enterprises LLC and ATC Investments LLC and on behalf of said limited liability companies by authority of its articles of organization and each duly acknowledged to me that said limited liability companies executed the same.
 My Commission expires 7/27/18
 Notary Public

BY SIGNING THIS PLAT THE FOLLOWING UTILITY COMPANIES ARE APPROVING THE (A) BOUNDARY, COURSE, DIMENSIONS, AND INTENDED USE OF THE RIGHT-OF-WAY AND EASEMENT GRANTS OF RECORD, (B) LOCATION OF EXISTING UNDERGROUND AND UTILITY FACILITIES, (C) CONDITIONS OR RESTRICTIONS GOVERNING THE LOCATION OF THE FACILITIES WITH THE RIGHT-OF-WAY, AND EASEMENT GRANTS OF RECORD, AND UTILITY FACILITIES WITHIN THE SUBDIVISION. "APPROVING" SHALL HAVE THE MEANING IN UTAH CODE SECTION 10-9a-603(4)(c)(ii).

QUESTAR GAS COMPANY
APPROVED THIS 27 DAY OF March, A.D. 2015
Valerie Hurd Pro-Cust

ROCKY MOUNTAIN POWER
APPROVED THIS 13 DAY OF March, A.D. 2015
Wade Stubb

COMCAST CABLE TELEVISION
APPROVED THIS 27 DAY OF March, A.D. 2015
Wade Stubb

CENTURY LINK
APPROVED THIS 17 DAY OF 2015, A.D. 2015
Wade Stubb

CORPORATE ACKNOWLEDGMENT

STATE OF UTAH } S.S.
 COUNTY OF UTAH } APRIL

ON THE 18TH DAY OF April, A.D. 2015, PERSONALLY APPEARED BEFORE ME, Tracy Burham, AND WHO BEING BY ME DULY SWORN DID SAY EACH FOR HIMSELF, THAT HE, THE SAID Andrew Callister, THE PRESIDENT AND HE THE SAID Tracy Burham IS THE SECRETARY OF Premium Oil Company CORPORATION, AND THAT THE WITHIN AND FOREGOING INSTRUMENT WAS SIGNED IN BEHALF OF SAID CORPORATION BY AUTHORITY OF A RESOLUTION OF ITS BOARD OF DIRECTORS AND SAID Andrew Callister AND Tracy Burham EACH DULY ACKNOWLEDGE TO ME THAT SAID CORPORATION EXECUTED THE SAME AND THAT THE SEAL AFFIXED IS THE SEAL OF SAID CORPORATION.

MY COMMISSION EXPIRES 7/27/18
Tracy Burham a notary public duly commissioned in Utah NOTARY PUBLIC RESIDING AT (SEE SEAL BELOW)

ACCEPTANCE BY LEGISLATIVE BODY

THE CITY COUNCIL OF THE CITY OF SARATOGA SPRINGS, COUNTY OF UTAH, APPROVES THIS SUBDIVISION SUBJECT TO THE CONDITIONS AND RESTRICTIONS STATED HEREON, AND HEREBY ACCEPTS THE DEDICATION OF ALL STREETS, EASEMENTS, AND OTHER PARCELS OF LAND INTENDED FOR PUBLIC PURPOSE OF THE PERPETUAL USE OF THE PUBLIC.

THIS 20 DAY OF April, A.D. 15.

CITY MAYOR: David Smith ATTEST: David Smith CITY RECORDER (SEE SEAL BELOW)

DT: 33524-2015-4-14572
 JEFFERY SMITH
 UTAH COUNTY RECORDER
 RECORDED FOR SARATOGA SPRINGS CITY

PLAT "A"
HARVEST POINT COMMERCIAL

LOCATED IN A PORTION OF THE NORTHWEST QUARTER OF SECTION 11 TOWNSHIP 5 SOUTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN SARATOGA SPRINGS CITY, UTAH COUNTY, STATE OF UTAH

SCALE: 1" = 50 FEET

SURVEYOR'S SEAL: Tracy Burham
 CITY ENGINEER SEAL: Jeremy D. Lapin
 CLERK-RECORDER SEAL: Jeffery Smith

AZTEC ENGINEERING
 491 N 450 W OREM, UT 84057

FIRE CHIEF APPROVAL
 APPROVED BY THE FIRE CHIEF ON THIS DAY OF April, A.D. 2015
Chris L. Cooper FIRE CHIEF

PLANNING COMMISSION REVIEW
 REVIEWED BY THE PLANNING COMMISSION ON THIS DAY OF April, A.D. 2015
Michael Smith VICE CHAIRMAN, PLANNING COMMISSION

SARATOGA SPRINGS ENGINEER APPROVAL
 APPROVAL BY THE CITY ENGINEER ON THIS DAY OF April, A.D. 2015
Sharon CITY ENGINEER

SARATOGA SPRINGS ATTORNEY
 APPROVAL BY SARATOGA SPRINGS ATTORNEY ON THIS DAY OF April, A.D. 2015
Sharon SARATOGA SPRINGS ATTORNEY

LEHI CITY POST OFFICE
 APPROVED BY POST OFFICE REPRESENTATIVE ON THIS DAY OF April, A.D. 2015
Sharon LEHI CITY POST OFFICE REPRESENTATIVE

11-5-11-269

CONTACT LIST

CIVIL ENGINEER
BERG CIVIL ENGINEERING (801) 492-1277

SARATOGA SPRINGS PLANNING DEPT. (801) 766-9793
SARATOGA SPRINGS ENGINEERING DEPT. (801) 766-6506

UTILITIES
POWER: ROCKY MOUNTAIN POWER (DENNIS PATTEN) (801) 756-1341
TELEPHONE: QWEST (DARREN KELLER) (801) 356-6975
CABLE: COMCAST (HEIDI HAWKEY) (801) 401-3023
GAS: QUESTAR (GAYLAN SORENSON) (801) 370-6577



CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	CHORD	BEARING
C1	100.00	67.87	38°53'6"	66.57	S 70°33'27" E
C2	100.00	88.86	50°54'45"	85.96	S 76°36'17" E
C3	1046.87	298.91	16°21'35"	297.90	N 9°16'36" E

NOTES

- CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING MANHOLES AND OTHER UTILITIES BEFORE STAKING OR CONSTRUCTING ANY NEW SEWER LINES.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING STORM DRAIN STRUCTURES AND OTHER UTILITIES BEFORE STAKING OR CONSTRUCTING ANY NEW STORM DRAIN LINES.
- ALL CONSTRUCTION SHALL COMPLY TO THE STANDARD TECHNICAL SPECIFICATIONS AND DRAWINGS FOR THE CITY OF SARATOGA SPRINGS, UTAH.
- EXISTING UTILITIES HAVE BEEN NOTED TO THE BEST OF ENGINEERS KNOWLEDGE, HOWEVER IT IS OWNER'S AND CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITIES IN FIELD AND NOTIFY CITY ENGINEER AND CITY IF DISCREPANCIES EXIST PRIOR TO CONTINUING ANY CONSTRUCTION.
- POST-APPROVAL ALTERATIONS TO LIGHTING PLANS OR INTENDED SUBSTITUTIONS FOR APPROVED LIGHTING EQUIPMENT SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.
- THE CITY RESERVES THE RIGHT TO CONDUCT POST-INSTALLATION INSPECTIONS TO VERIFY COMPLIANCE WITH THE CITY'S REQUIREMENTS AND APPROVED LIGHTING PLAN COMMITMENTS, AND IF DEEMED APPROPRIATE BY THE CITY, TO REQUIRE REMEDIAL ACTION AT NO EXPENSE TO THE CITY.
- ALL EXTERIOR LIGHTING SHALL MEET IESNA FULL-CUTOFF CRITERIA
- ONLY SLOPES GREATER THAN 30% ON-SITE ARE PART OF EXISTING SEDIMENTATION POND THAT IS TO BE REGRADED TO 4:1 SLOPES.
- NO WETLANDS ON-SITE.
- NO FLOOD PLAINS ON-SITE.

LEGEND

	SECTION CORNER MONUMENT
	SUBDIVISION SURVEY MONUMENT [ST-29/CI/F]
	PROPOSED FIRE HYDRANT [DW-4/CI/B]
	EXISTING FIRE HYDRANT
	PROPERTY LINE
	LOT LINE
	EASEMENT LINE

PARKING CALCULATIONS

BUILDING 1	5,000 SF PER FLOOR	
REQUIRED PARKING RATIO		
MAIN	@ 5/1000 SF	25
BASEMENT	@ 1/1000 SF	5
TOTAL		30
BUILDING 2	4,000 SF PER FLOOR	
REQUIRED PARKING RATIO		
MAIN	@ 4/1000 SF	20
BASEMENT	@ 1/1000 SF	4
TOTAL		24
TOTAL REQUIRED PARKING		54
PROVIDED PARKING		70

DATA TABLE

(1) TOTAL DEVELOPMENT:	64,828 SF	1.49 AC (100%)
(2) TOTAL IMPERVIOUS AREA:	34,987 SF	0.80 AC. (54%)
(3) TOTAL LOT BUILDING AREA:	9,000 SF	0.21 AC. (14%)
(4) TOTAL LANDSCAPE AREA:	20,841 SF	0.48 AC. (32%)
(5) TOTAL ROW AREA:	0 SF	0.00 AC. (0%)
(6) TOTAL SENSITIVE LANDS:	0 SF	0.00 AC. (0%)
(7) % OF BUILDABLE LAND	64,828 SF	1.49 AC (100%)
(8) TOTAL LOTS:	1	
(9) # OF SURFACE PARKING	70 SPACES	
(10) # OF GARAGE SPACES	0 SPACES	
(11) NET DENSITY	N/A	

BOUNDARY DESCRIPTION

Lot 3, PLAT "A", HARVEST POINT COMMERCIAL, according to the official plat thereof on file in the office of the Recorder, Utah County, Utah, recorded on April 22, 2015 as Entry No. 33526:2015.

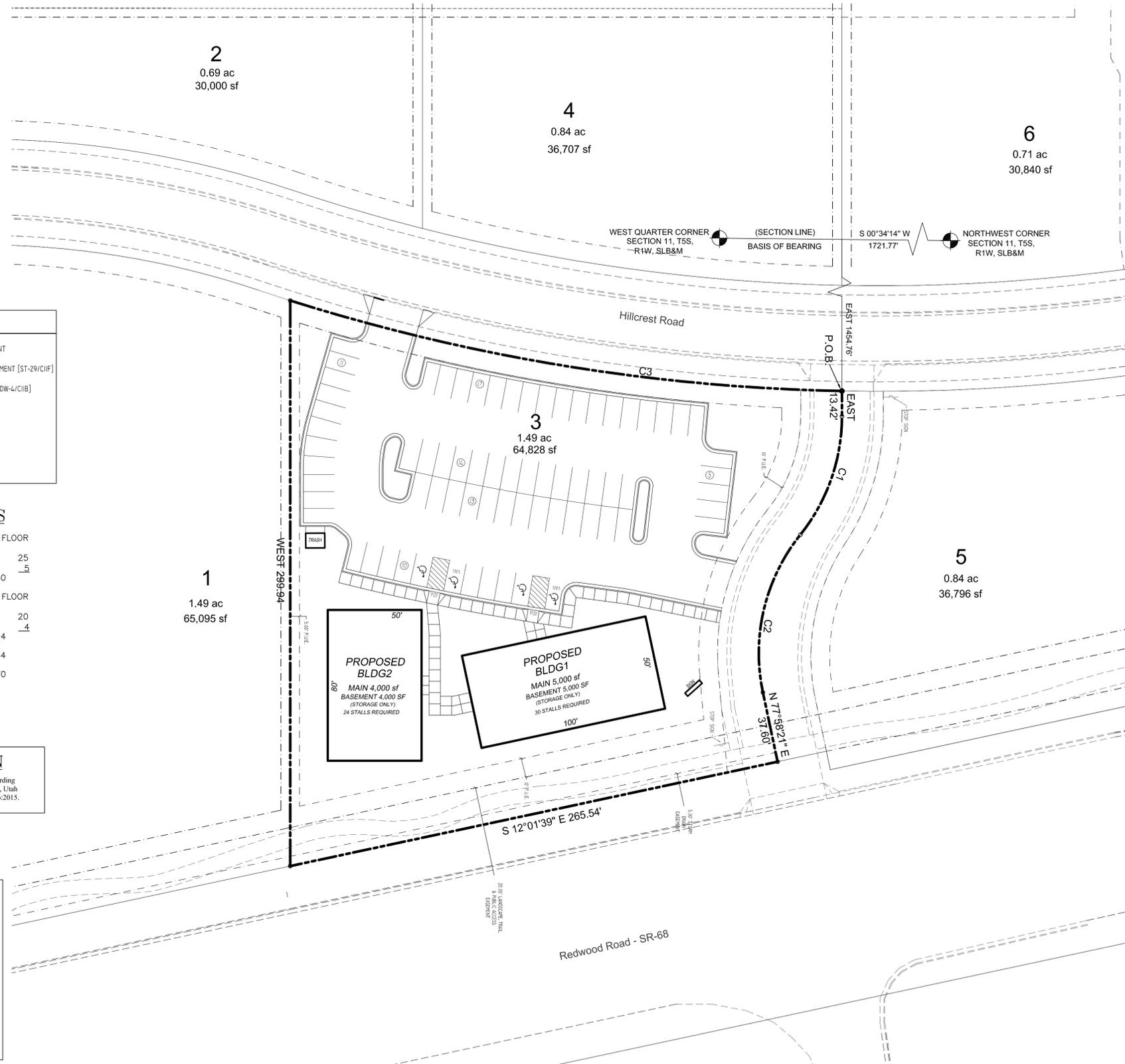
VICINITY MAP



SHEET INDEX

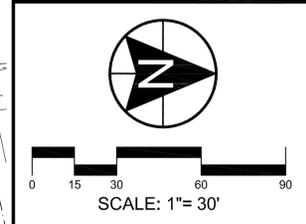
C1	RECORDED PLAT
C2	COVER SHEET
C3	ALTA SURVEY / ROS
C4	OVERALL SITE PLAN
C5	DEMOLITION PLAN
C6	GRADING & DRAINAGE PLAN
C7	OVERALL UTILITY PLAN
C8	STORM DRAIN PLAN & PROFILE
C9	CONSTRUCTION DETAILS
ADS 1-6	UNDERGROUND STORAGE DETAILS
LSI-LS4	LANDSCAPE PLANS
E1	LIGHTING PLAN

**HARVEST POINT COMMERCIAL PLAT "A"
LOT 3 - SITE PLAN**



DEVELOPMENT
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DEVELOPER
NORTHSTAR BUILDERS
1059 E. 900 S. SUITE 201
SALT LAKE CITY, UT 84105
(801) 755-9504



REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

ACTION	DATE
SITE PLAN	10/9/2018

PROJECT
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DESCRIPTION
**SITE PLANS
COVER SHEET**

SHEET NAME	SHEET NUMBER
COVER	C2

NW COR SEC 11
T5S, R1W, SLB&M
FOUND MONUMENT

W 1/4 COR SEC 11
T5S, R1W, SLB&M
FOUND MONUMENT

BASIS OF BEARING
S 0°34'14" W 1721.77'

EAST 1454.76'

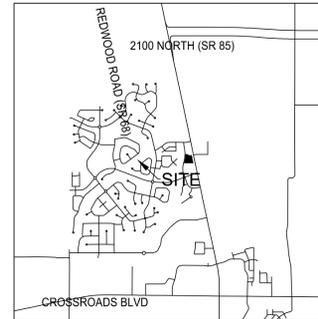
WEST 299.94'

CHAN
41:802:0005

LOT 3
1.49 ACRES
64,828 sq ft

NICHOLS
41:802:0001

VICINITY MAP



Cambria Drive

Redwood Road - SR-88

COMMITMENT FOR TITLE INSURANCE

A COMMITMENT FOR TITLE INSURANCE # 105621-TOF, ISSUED BY COTTONWOOD TITLE INSURANCE AGENCY, INC., DATED AUGUST 22, 2018.

SCHEDULE A:

- ITEM 1-4 SURVEYOR MAKES NO COMMENT.
- ITEM 5 SEE LEGAL DESCRIPTION.

SCHEDULE B-I:

ALL ITEMS - SURVEYOR MAKES NO COMMENT.

SCHEDULE B-II:

- ITEM 1 TAXES - SURVEYOR MAKES NO COMMENT.
- ITEM 2 LAND INSPECTION - SEE MAP FOR LOCATED IMPROVEMENTS.
- ITEM 3 NON-RECORDED EASEMENTS - NONE FOUND.
- ITEM 4 ENCROACHMENTS - NONE FOUND.
- ITEM 5 MINING CLAIMS / WATER RIGHTS - SURVEYOR MAKES NO COMMENT.
- ITEM 6 LIENS - SURVEYOR MAKES NO COMMENT.
- ITEM 7 POST COMMITMENT TITLE ISSUES - SURVEYOR MAKES NO COMMENT.
- ITEM 8 UTILITY CHARGES - SURVEYOR MAKES NO COMMENT.
- ITEM 9 TAXES - SURVEYOR MAKES NO COMMENT.
- ITEM 10 SPECIAL SERVICE DISTRICT - SURVEYOR MAKES NO COMMENT.
- ITEM 12 WATER RIGHTS - SURVEYOR MAKES NO COMMENT.
- ITEM 13 PLATTED EASEMENTS, NOTES - SEE MAP FOR EASEMENT LOCATIONS. SEE RECORDED PLAT FOR DEVELOPMENT NOTES (CITY REQUIREMENTS).
- ITEM 14 EASEMENT 42265:2014 - DOES NOT IMPACT PARCEL. SEE MAP FOR LOCATION.
- ITEM 15 EASEMENT 42266:2014 - ALONG EASTERLY 10' PUE. SEE MAP FOR LOCATION.
- ITEM 17 RIGHTS OF TENANTS - SURVEYOR MAKES NO COMMENT.

ALTA / NSPS TABLE "A"

1. **MONUMENTS PLACED** NAILS PLACED IN ASPHALT ALONG NORTHERLY BOUNDARY. PLUGS TO BE PLACED IN CURB ON EXTENSION OF PROPERTY LINE ALONG SOUTHERLY BOUNDARY.
 2. **ADDRESS** 2114 NORTH HILLCREST ROAD
 3. **FLOOD ZONE CLASSIFICATION** FEMA FIRM PANEL 4955170105B REVISED JULY 17, 2002. ZONE X - OUTSIDE 500-YEAR FLOODPLAIN
 4. **GROSS LAND AREA** TOTAL AREA = 1.49 ACRES
 5. **VERTICAL RELIEF** GROUND SURVEY, NW COR. SEC. 11 = 4748.60'
 - 6a. **CURRENT ZONING CLASSIFICATION** RC - REGIONAL COMMERCIAL
 - 7a. **EXTERIOR DIMENSIONS OF ALL BUILDINGS** NO BUILDINGS ON SITE.
 8. **SUBSTANTIAL VISIBLE IMPROVEMENTS** NONE FOUND.
 9. **PARKING AREAS** NO PARKING AREAS ON SITE.
 11. **LOCATION OF UTILITIES, VISIBLE & MARKED** SEE MAP AND FOLLOWING NOTE.
 13. **NAMES OF ADJOINING OWNERS** SEE MAP
 14. **NEAREST STREET INTERSECTION** SEE MAP FOR DISTANCES.
 16. **OBSERVED EVIDENCE OF RECENT CONSTRUCTION** NONE FOUND
 17. **STREET CONSTRUCTION/CHANGES IN ALIGNMENT** NONE FOUND
 18. **WETLAND DELINEATION BY AUTHORITIES** NONE FOUND
- * ITEM 11 - UTILITIES WERE LOCATED BASED ON VISIBLE STRUCTURES AND CONSTRUCTION DRAWINGS. NO GUARANTEE IS GIVEN THAT ADDITIONAL UTILITIES DO NOT EXIST ON THE SITE WHICH ARE NOT VISIBLE OR MARKED ON THE GROUND. IT IS RECOMMENDED THAT BLUESTAKES BE CALLED PRIOR TO ANY EXCAVATION.

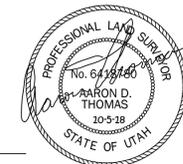
LEGAL DESCRIPTION

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SURVEYOR'S CERTIFICATION

To Premium Oil Company; Cottonwood Title Insurance Agency, Inc.; and Fidelity National Title Insurance Company:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 5, 6a, 7a, 8, 9, 11, 13, 14, 16, 17, and 18 of Table A thereof. The field work was completed in October 2018.



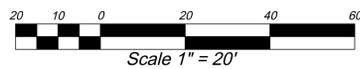
10-5-18
DATE AARON D. THOMAS - PLS NO. 6418780

PLAT LEGEND

---	PARCEL BOUNDARIES
---	NEIGHBOR LINES
---	EASEMENT LINE
---	CENTERLINE ROAD
---	CONCRETE
---	SANITARY SEWER
---	STORM DRAIN
---	WATER LINE
---	POWER LINE
---	GAS LINE
---	CONTOUR LINE

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	CHORD	BEARING
C1	100.00	67.87	38°53'6"	66.57	S 70°33'27" E
C2	100.00	88.86	50°54'45"	85.96	S 76°34'17" E
C3	1046.87	298.91	16°21'35"	297.90	N 9°16'36" E
C4	1046.87	22.01	1°12'17"	22.01	S 1°41'57" W
C5	78.00	52.94	38°53'6"	51.93	S 70°33'27" E
C6	122.00	94.00	44°8'51"	91.70	S 73°11'20" E
C7	1046.87	22.00	1°12'15"	22.00	N 0°29'41" E
C8	122.00	71.64	33°38'40"	70.61	S 73°10'40" E
C9	108.00	86.09	45°40'19"	83.83	S 79°11'29" E



PROJECT NAME HARVEST POINT COMMERCIAL PLAT "A", LOT 3
ADDRESS +/- 2114 NORTH HILLCREST ROAD
CITY: SARATOGA SPRINGS COUNTY: UTAH STATE: UTAH

SURVEYOR: AZTEC ENGINEERING INC.
491 N. 450 W.
OREM, UT. 84057
(801) 224-7308

CIVIL ENGINEER: BERG
CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland UT 84003
office (801) 492-1277
cell (801) 616-1677

ALTA / NSPS LAND TITLE SURVEY

LOCATED IN THE NORTHWEST QUARTER OF SECTION 11,
TOWNSHIP 5 SOUTH, RANGE 1 WEST, SLB&M

SHEET 1 OF 1

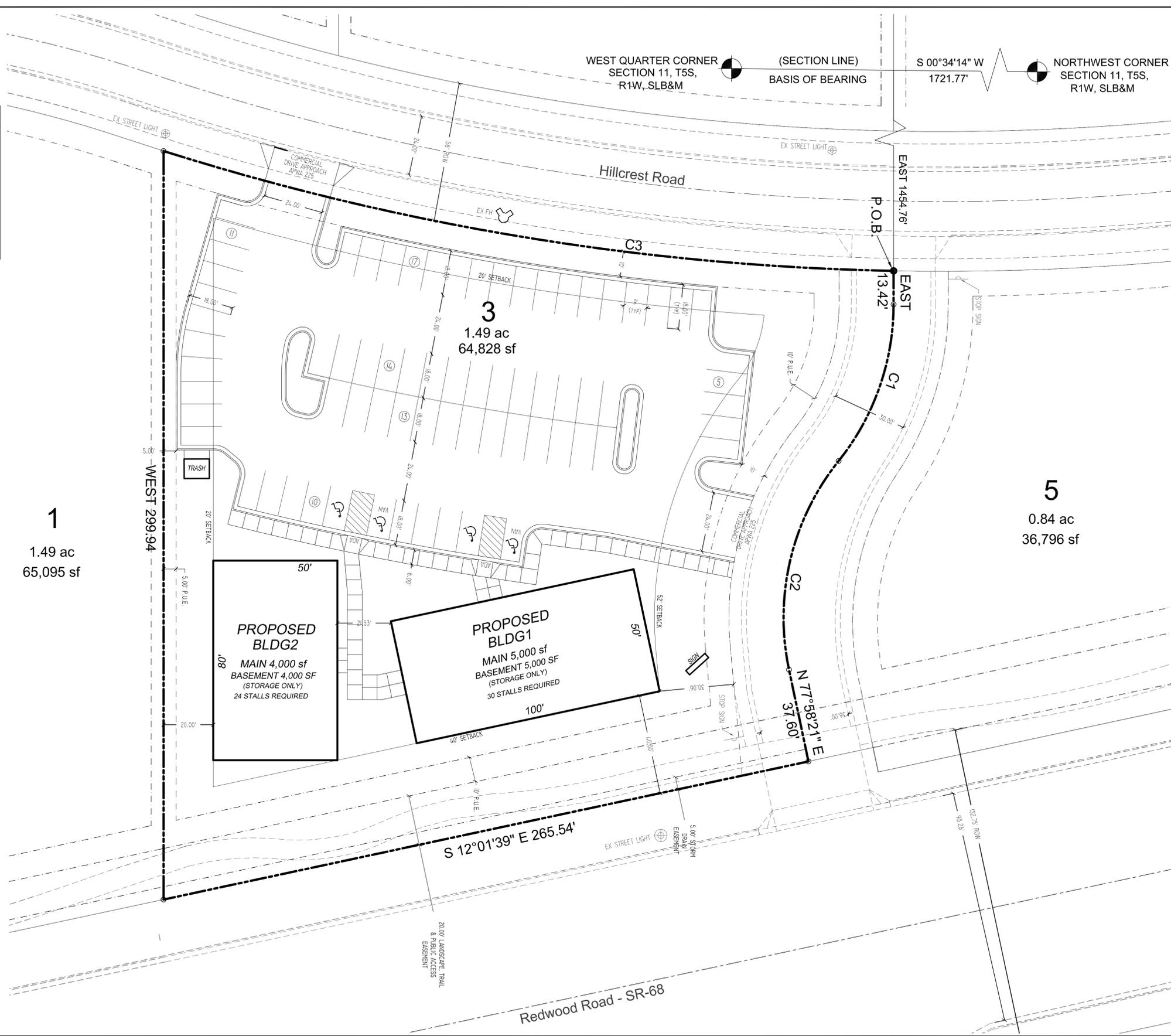
DATE: OCT. 5, 2018
SCALE: 1"=20'
DRAFTED BY: A.D.T.

ENCROACHMENT PERMIT

A RIGHT-OF-WAY ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE CITY OF SARATOGA SPRINGS PRIOR TO DOING ANY WORK IN THE EXISTING RIGHT-OF-WAY.
CONTACT MARK EDWARDS AT (801) 766-9793 EXTENSION 118

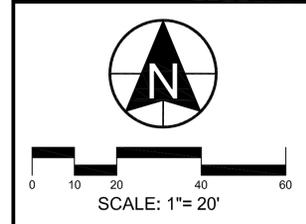
LEGEND	
	SECTION CORNER MONUMENT
	SUBDIVISION SURVEY MONUMENT [ST-29/CIF]
	PROPOSED FIRE HYDRANT [DW-4/CIB]
	EXISTING FIRE HYDRANT
	PROPERTY LINE
	LOT LINE
	EASEMENT LINE

DATA TABLE	
ITEM	QUANTITY
SITE IMPROVEMENTS	
PAVEMENT	24,187 SF
U.T.B.C.	25,626 SF
GRANULAR BORROW	25,626 SF
CURB & GUTTER	880 LF
SIDEWALK	3,500 SF
DRIVE APPROACH	2 EA
ADA RAMPS	2 EA
MONUMENTS	0 EA
STREET SIGN	0 EA
STREET LIGHT	0 EA



DEVELOPMENT
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DEVELOPER
NORTHSTAR BUILDERS
1059 E. 900 S.
SUITE 201
SALT LAKE CITY,
UT 84105
(801) 755-9504



BERG CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		

ACTION	DATE
SITE PLAN	10/9/2018

PROJECT
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DESCRIPTION
SITE PLANS
OVERALL SITE PLAN

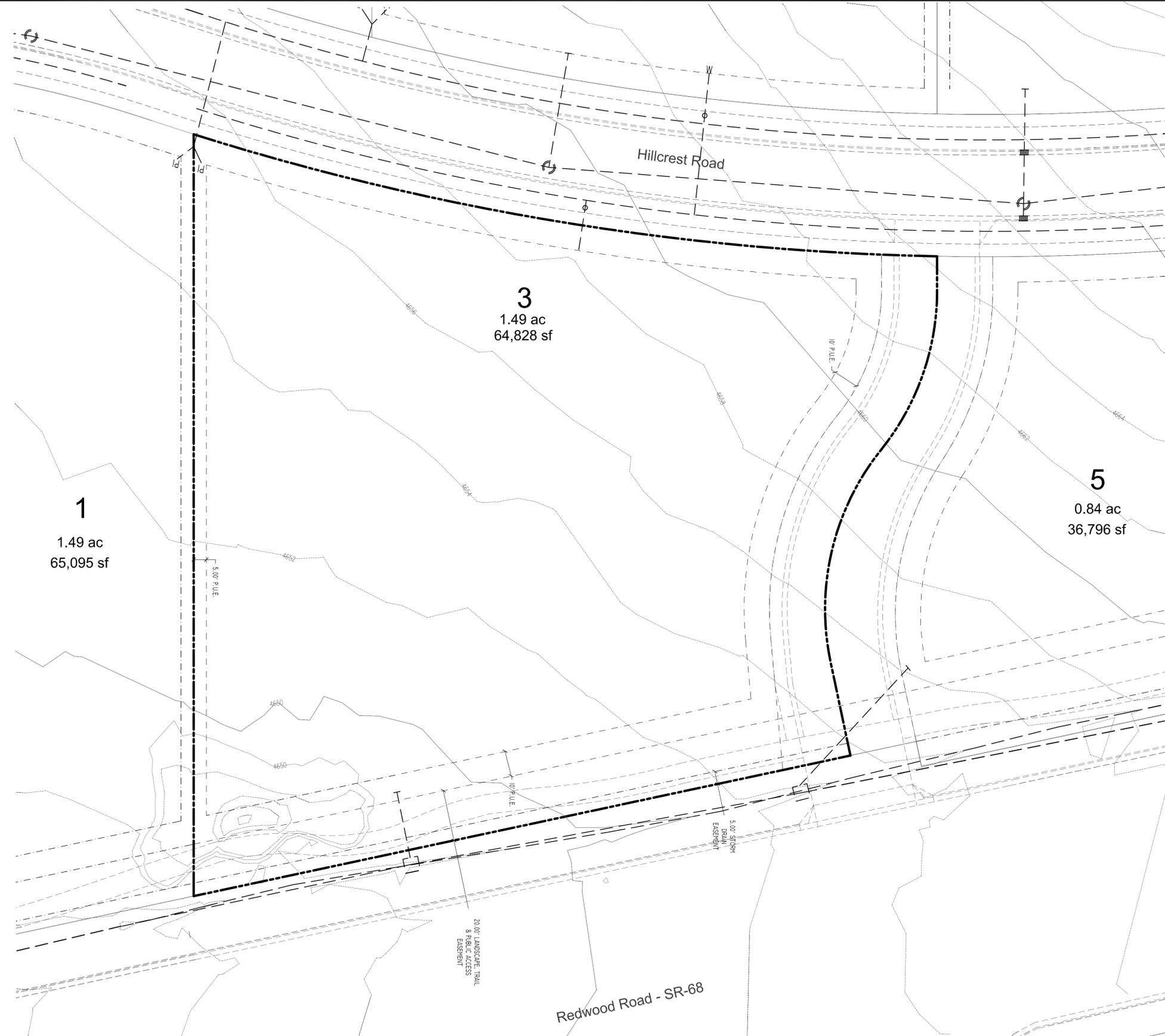
SHEET NAME	SHEET NUMBER
SITE	C4

AVOID CUTTING UNDERGROUND UTILITIES:
Call Djs
BEFORE YOU
1-800-662-4111

NOTICE!
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES SHOWN OR NOT SHOWN ON THE PLANS.

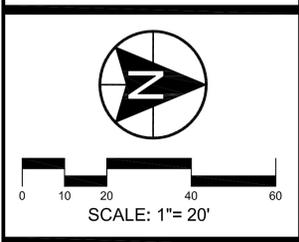
SENSITIVE LANDS

- 1) NO AREAS CLASSIFIED AS 100-YR FLOOD
- 2) NO AREAS CLASSIFIED AS NATURAL DRAINAGE
- 3) NO AREAS CLASSIFIED AS WATER BODIES
- 4) NO AREAS CLASSIFIED AS RIVERS WETLANDS
- 5) NO AREAS CLASSIFIED AS SLOPES GREATER THAN 30%



DEVELOPMENT
**HARVEST
 POINT
 COMMERCIAL
 PLAT "A"
 LOT 3**

DEVELOPER
**NORTHSTAR
 BUILDERS**
 1059 E. 900 S.
 SUITE 201
 SALT LAKE CITY,
 UT 84105
 (801) 755-9504



BERG
 CIVIL ENGINEERING
 11038 N Highland Blvd Suite 400
 Highland Ut, 84003
 office (801) 492-1277
 cell (801) 616-1677

REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
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7			

ACTION	DATE
SITE PLAN	10/9/2018

PROJECT
**HARVEST POINT
 COMMERCIAL
 PLAT "A"
 LOT 3**

DESCRIPTION
SITE PLANS
 EXISTING &
 DEMOLITION PLAN

SHEET NAME	SHEET NUMBER
DEMO PLAN	C5

CUT/FILL TABLE		
ZONE	CUT (CY)	FILL (CY)
TOTAL	8	450
NET IMPORT		442
NET EXPORT		

DATA TABLE	
ITEM	QUANTITY
STORM DRAINAGE	
BOX	1 EA
CATCH BASIN	3 EA
UNDERGROUND SYSTEM	1 EA
15" RCP PIPE	318 LF
UNISCREEN	1 EA

AVOID CUTTING UNDERGROUND UTILITIES. CALL BEFORE YOU DIG. 1-800-862-4111

NOTICE! THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

STORM DRAIN NARRATIVE

PREVIOUS MASTER PLAN STORM DRAIN CALCULATIONS WERE PERFORMED AS PART OF THE SPRINGS AT HARVEST HILLS CONDOMINIUMS. THE FINDINGS ARE SUMMARIZED HERE AND ARE SHOWN ON THE PLANS

ALL LOTS ARE RESTRICTED TO A MAXIMUM STORM WATER RELEASE RATE AS SHOWN IN DISCHARGE TABLE

ALL LOTS MUST PROVIDE OIL/WATER SEPARATOR BEFORE DISCHARGE

DISCHARGE TABLE

PARCEL	ALLOWABLE DISCHARGE
3	0.30 CFS 0.20 CFS/AC

GRADING NOTES

- BENCHMARK ELEVATION: SOUTHWEST CORNER OF SECTION II, TOWNSHIP 5 SOUTH, RANGE 1 WEST, SLB8M = 4623.27 FEET
- FLOOD ZONE CLASSIFICATION FEMA FIRM PANEL 4955170105B REVISED JULY 17, 2002. ZONE X - OUTSIDE 500-YEAR FLOODPLAIN

GRADING LEGEND

	PROPERTY LINE
	LOT LINE
	EASEMENT LINE
	EXISTING STORM DRAIN
	PROPOSED STORM DRAIN (RCP) [SD-1/C/D]
	CATCH BASIN (#) [SD-2/C/D]
	4x4 CONCRETE BOX W/ GRATE
	STORM DRAIN MANHOLE (5' DIA) [SS-2/C/D]
	PROPOSED FINAL GRADING
	TOP BACK OF CURB (GRADE)

DRAINAGE CERTIFICATION

I HEREBY CERTIFY THAT THIS DESIGN FOR THE ONSITE DRAINAGE OF THIS DEVELOPMENT WAS PREPARED BY ME (OR UNDER MY DIRECT SUPERVISION) IN ACCORDANCE WITH THE PROVISIONS OF THE CITY OF SARATOGA SPRINGS' STANDARD SPECIFICATIONS AND DRAWINGS, AND WAS DESIGNED TO COMPLY WITH THE PROVISIONS THEREOF. I UNDERSTAND THAT THE CITY ASSUMES NO RESPONSIBILITY OR LIABILITY WHATSOEVER FOR THIS DESIGN.

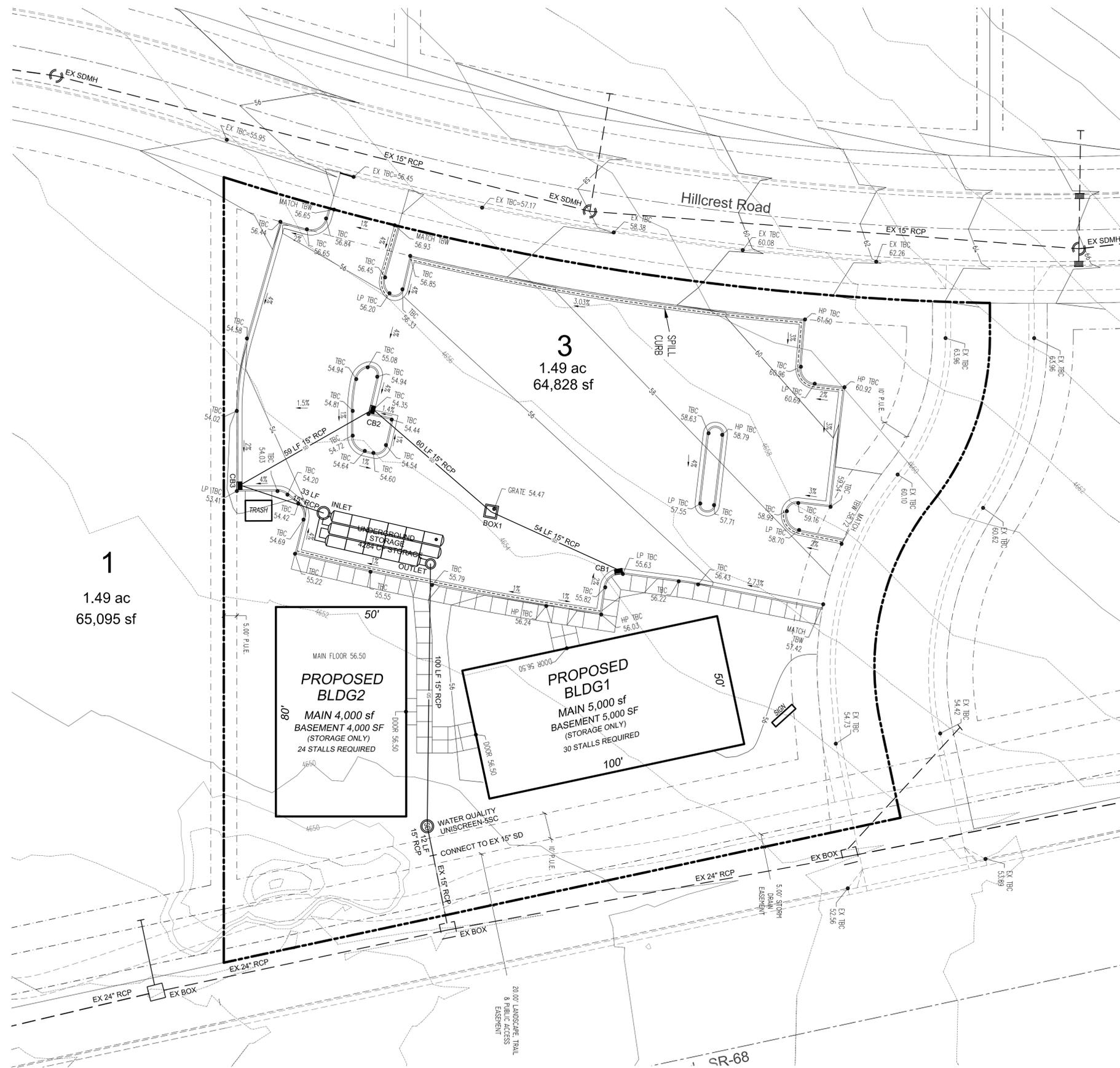
(SEE PE SEAL / SIGNATURE / DATE)

GRADING PERMIT

A GRADING PERMIT MUST BE OBTAINED FROM THE CITY OF SARATOGA SPRINGS PRIOR TO DISTURBING ANY VEGETATION OR MOVING ANY SOIL. CONTACT MARK EDWARDS AT (801) 766-9793 EXTENSION 118

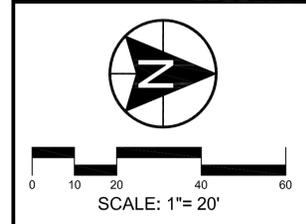
ENCROACHMENT PERMIT

A RIGHT-OF-WAY ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE CITY OF SARATOGA SPRINGS PRIOR TO DOING ANY WORK IN THE EXISTING RIGHT-OF-WAY. CONTACT MARK EDWARDS AT (801) 766-9793 EXTENSION 118



DEVELOPMENT
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DEVELOPER
NORTHSTAR BUILDERS
1059 E. 900 S. SUITE 201
SALT LAKE CITY, UT 84105
(801) 755-9504



BERG CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland Ut, 84003
office (801) 492-1277
cell (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		

ACTION	DATE
SITE PLAN	10/9/2018

PROJECT
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DESCRIPTION
**SITE PLANS
OVERALL GRADING & DRAINAGE PLAN**

SHEET NAME	SHEET NUMBER
DRAINAGE PLAN	C6

ENCROACHMENT PERMIT

A RIGHT-OF-WAY ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE CITY OF SARATOGA SPRINGS PRIOR TO DOING ANY WORK IN THE RIGHT-OF-WAY.
CONTACT MARK EDWARDS AT (801) 766-9793, EXTENSION 118

LEGEND

	EXISTING WATER LINE
	PROPOSED WATER LINE (PVC AWWA C900 CLASS 200) [DW-1/CIIB]
	PROPOSED WATER LATERAL [DW-5/CIIB]
	EXISTING PRESSURIZED IRRIGATION LINE
	PROPOSED PRESSURIZED IRRIGATION LINE (PVC AWWA C900 CLASS 200 (PURPLE)) [PI-1/CIIC]
	PROPOSED SECONDARY WATER LATERAL [PI-3, PI-5A, PI-5B/CIIC]
	EXISTING SANITARY SEWER LINE
	PROPOSED SANITARY SEWER LINE (DR-35 D-3034 PVC) [SS-1/CIID]
	PROPOSED SANITARY SEWER LATERAL [SS-3/CIID]
	EXISTING STORM DRAIN
	PROPOSED STORM DRAIN (RCP) [SD-1/CIID]
	PROPOSED FIRE HYDRANT [DW-4/CIIB]
	SURVEY MONUMENT [ST-29/CIIF]

AVOID CUTTING UNDERGROUND UTILITIES:
Call Before You Dig
1-800-662-4111

NOTICE!
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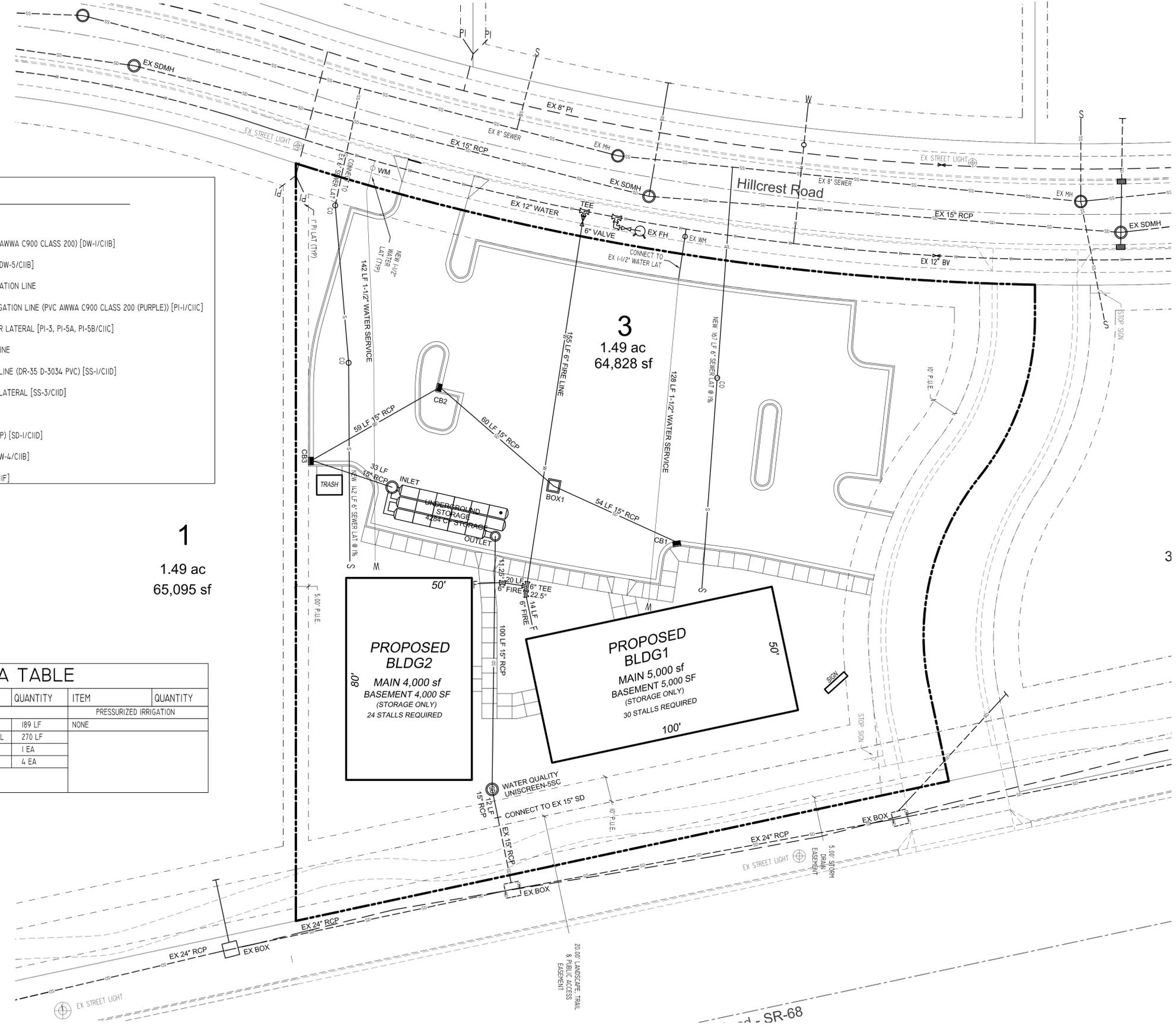
DATA TABLE

ITEM	QUANTITY	ITEM	QUANTITY	ITEM	QUANTITY
SEWER		WATER		PRESSURIZED IRRIGATION	
6" LATERAL	309 LF	6" FIRE LINE	189 LF	NONE	
		1-1/2" WATER LATERAL	270 LF		
		6" VALVE	1 EA		
		6" TEES / BENDS	4 EA		

1
1.49 ac
65,095 sf

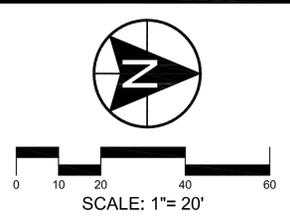
PROPOSED BLDG2
MAIN 4,000 sf
BASEMENT 4,000 SF (STORAGE ONLY)
24 STALLS REQUIRED

PROPOSED BLDG1
MAIN 5,000 sf
BASEMENT 5,000 SF (STORAGE ONLY)
30 STALLS REQUIRED



DEVELOPMENT
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DEVELOPER
NORTHSTAR BUILDERS
1059 E. 900 S.
SUITE 201
SALT LAKE CITY, UT 84105
(801) 755-9504



BERG CIVIL ENGINEERING
11038 N Highland Blvd Suite 400
Highland UT, 84403
office (801) 492-1277
cell (801) 616-1677

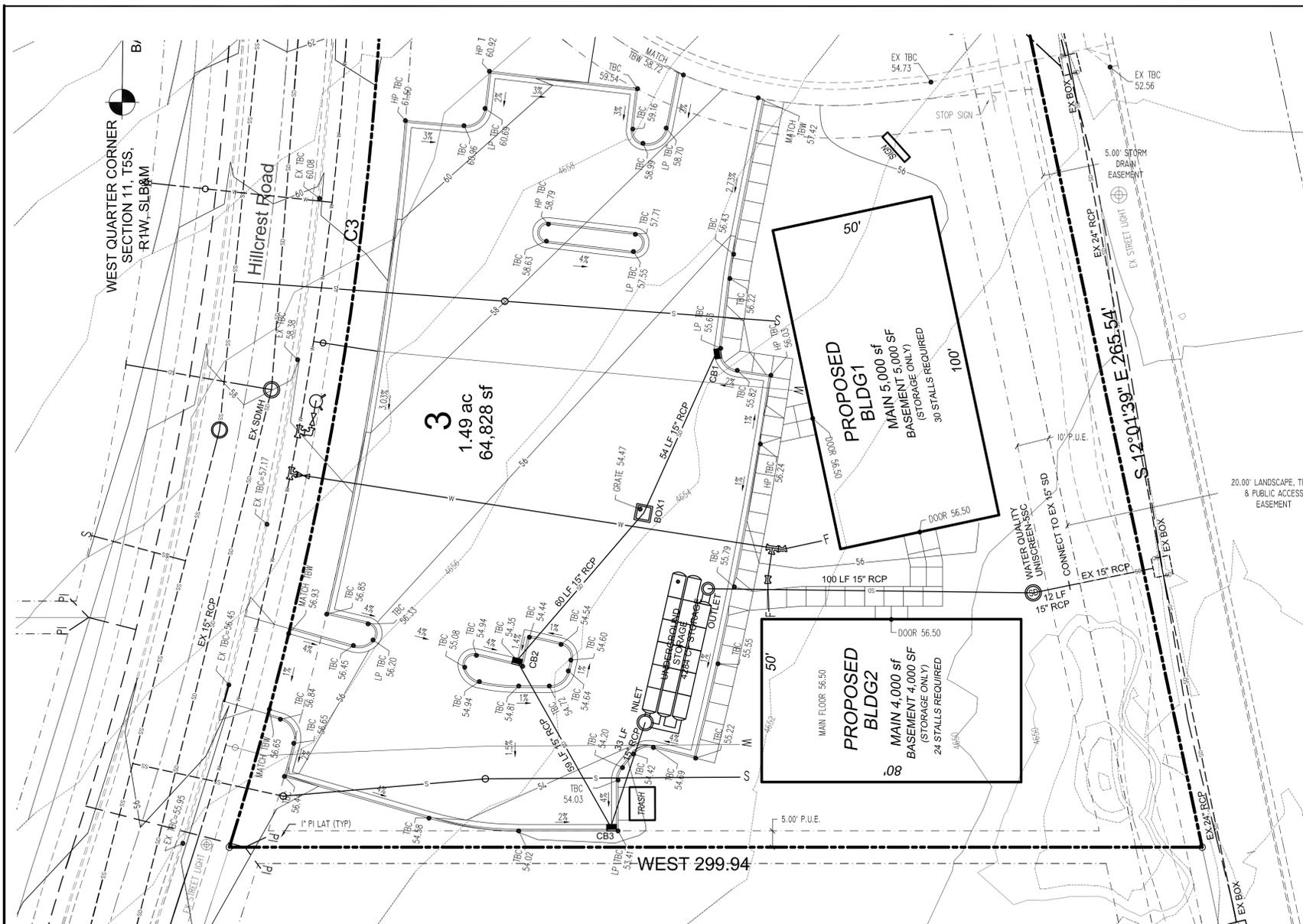
REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
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ACTION	DATE
SITE PLAN	10/9/2018

PROJECT
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DESCRIPTION
**SITE PLANS
OVERALL UTILITY PLAN**

SHEET NAME	SHEET NUMBER
UTILITY PLAN	C7



UNISCREEN ONLINE SYSTEM / ADAPT TO SITE LAYOUT

UNISCREEN MODEL #	D (ft.)	S (ft.)	AREA (sq. ft.)	PIPE DIA. (in.)	TREATMENT FLOW (cfs)	PEAK FLOW (cfs)
5SC	5	3.5	0.4	12-18	0-3	7
6SC	6	3.5	4-10	18-24	3-7	18
7SC	7	4.5	10-12	24-30	7-10	25
8SC	8	4.5	12-15	30-36	10-13	35
10SC	10	5.5	15-20	36-42	13-18	45
12SC	12	5.5	20-25	42-48	18-22	60

CALL: 1-800-809-2801

DESIGN FEATURES OF UNISCREEN STORMWATER TREATMENT CHAMBER:

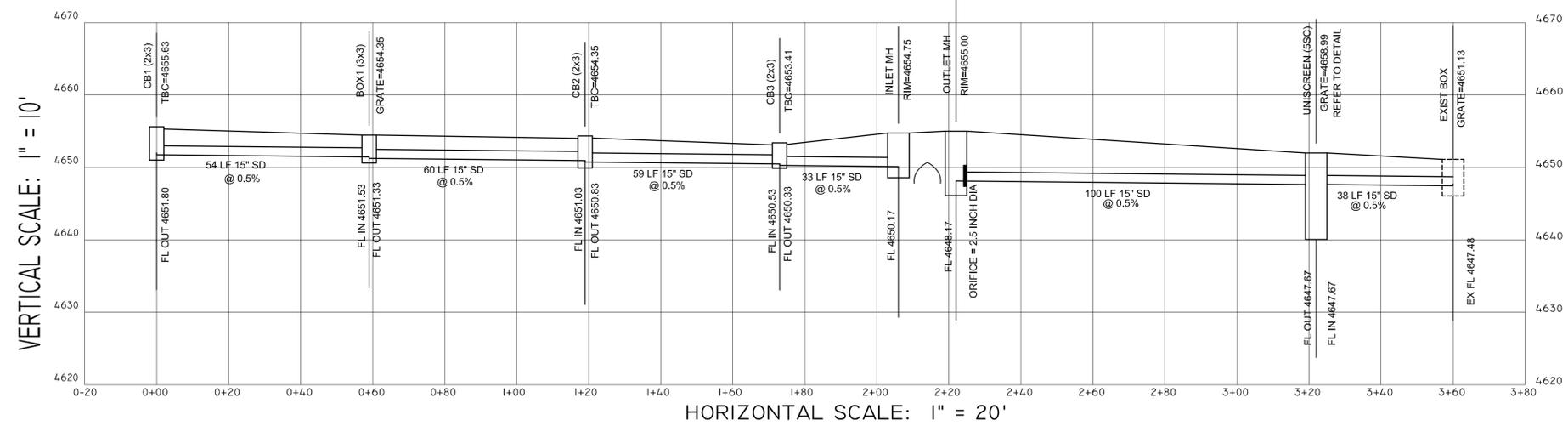
- FLOW DIFFUSER OPEN AREA TYPICALLY 5-10 TIMES FLOW AREA OF OUTLET PIPE.
- DESIGN FLOW HEAD LOSS FOR FLOW DIFFUSER MODULES TYPICALLY LESS THAN 0.25 FT.
- INLET AND OUTLET PIPES CAN BE OFFSET TO MEET SITE CONDITIONS.
- FLOW OF SUSPENDED SOLIDS SPECIFIED BY ENV 21.
- FOR APPROVED SCREENING, SPECIFY OPENING DIMENSION OF 1/8" (400 MICRON).
- SITE SPECIFIC PRODUCT DATA DRAWINGS/PREPARED BY ENVIRONMENT 21, LLC.

TREATMENT NOTES:

- CFE (VERTICAL PARTICLE BED) REPRESENTS AN ESTIMATE OF THE SMALLEST REMOVED PARTICLE THAT CAN BE REMOVED AT 80% EFFICIENCY.
- STORMWATER FLOWING IN THE INLET PIPE CONSIDERED BEHIND STATIONING THAT PROVIDES APPROVED REMOVAL OF SOLIDS.
- STORMWATER FLOWING IN THE INLET PIPE CONSIDERED FLOATABLES STATIONING THAT PROVIDES APPROVED REMOVAL OF FLOATING POLLUTANTS (OILS ORGANIC DEBRIS).

UNISCREEN MODEL #	SCREEN AREA (S.F.)
5SC	35
6SC	51
7SC	59
8SC	68
10SC	99
12SC	119

GENERAL NOTES:
 MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C478 SPEC. FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
 DESIGN LOADING: AASHTO HS20-44
 PROPRIETARY INFORMATION: PATENTS PENDING - ALL RIGHTS TO ENVIRONMENT 21, LLC.



DEVELOPMENT

HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DEVELOPER

NORTHSTAR BUILDERS

1059 E. 900 S. SUITE 201 SALT LAKE CITY, UT 84105 (801) 755-9504

SCALE: 1" = 30'

BERG CIVIL ENGINEERING
 11038 N Highland Blvd Suite 400 Highland Ut, 84003 office (801) 492-1277 cell (801) 616-1677

NO.	DATE	DESCRIPTION	SEAL
1			
2			
3			
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6			

ACTION	DATE
SITE PLAN	10/9/2018

PROJECT

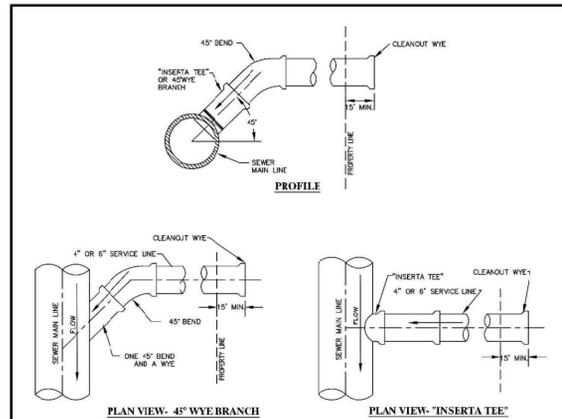
HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DESCRIPTION

SITE PLANS

STORM DRAIN PLAN & PROFILE

SHEET NAME	SHEET NUMBER
PLAN & PROFILE	C8

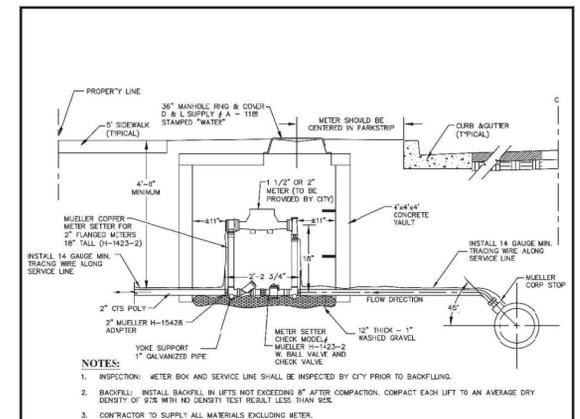


- NOTES:**
1. ALL RESIDENTIAL SERVICES SHALL BE 4" DIAMETER. NON-RESIDENTIAL SHALL BE 6" DIAMETER UNLESS DIRECTED OTHERWISE AND SHALL BE EXTENDED FROM MAIN LINES TO PROPERTY LINES.
 2. EVERY RESIDENTIAL UNIT SHALL HAVE A SEPARATE SEWER LATERAL.
 3. MINIMUM GRADE SHALL BE 2% FOR SERVICE LINES.
 4. ALL 30° BENDS AT CONNECTION TO MAIN MUST BE CONSTRUCTED WITH ONE 45° BEND AND A WYE.
 5. DIRECT NOSE ON IS ALLOWED WHEN CONNECTING TO EXISTING MAIN LINE. USE RUBBER BOOT AS FOR CITY WITH STAINLESS STEEL STRAPS, IF REQUIRED. SURE CUT EXISTING PIPE, DO NOT BREAK OUT WITH A HAMMER.
 6. NOTIFY CITY 24 HOURS IN ADVANCE OF ANY CONNECTION. EVERY CONNECTION TO BE INSPECTED BY CITY.
 7. CONNECTION TO USERS TO BE DONE BY OTHERS.
 8. CAST IRON WYS ARE REQUIRED FOR ALL NON-RESIDENTIAL CONNECTIONS.

SEWER SERVICE CONNECTION

DATE: AUGUST 2017	REVISIONS:
DRAWING NO: SS-3	NO. 1
DESIGNED BY: ETC	DATE: 10/9/2018
CHECKED BY: SARATOGA SPRINGS CITY	PROJECT: HARVEST POINT COMMERCIAL PLAT "A" LOT 3

STANDARD DETAILS: **SS-3**

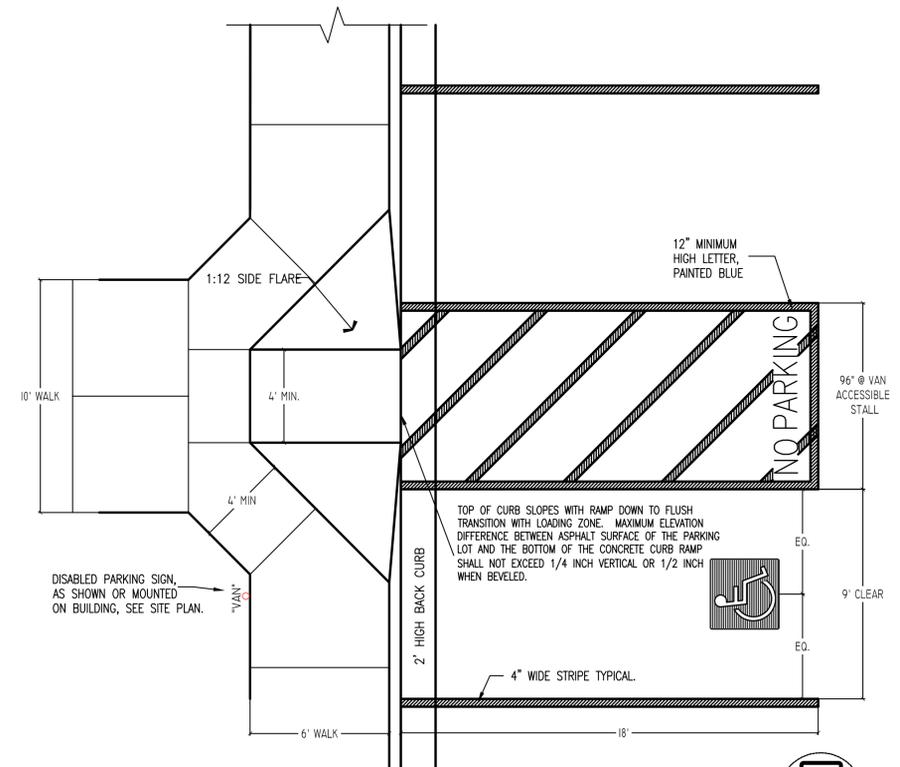


- NOTES:**
1. INSPECTION: METER BOX AND SERVICE LINE SHALL BE INSPECTED BY CITY PRIOR TO BACKFILLING.
 2. BACKFILL: INSTALL BACKFILL IN LIFTS NOT EXCEEDING 4" AFTER COMPACTION. COMPACT EACH LIFT TO AN AVERAGE DRY DENSITY OF 95% WITH NO DENSITY TEST RESULTS LESS THAN 90%.
 3. CONTRACTOR TO SUPPLY ALL MATERIALS EXCLUDING METER.
 4. METER BOXES SHALL BE A 4"x4"x4" CONCRETE VAULT.
 5. PIPE: INSTALL MINIMUM 2" CTS POLY PIPE FROM MAIN TO METER AND FROM METER TO BUILDING. INSTALL TRACING WIRE FROM MAIN LINE TO METER.
 6. PLACEMENT: ALL METERS ARE TO BE INSTALLED IN THE PARK STRIP, MUST BE PLACED NEAR THE MIDPOINT OF THE LOT, AND MUST NOT BE LOCATED IN A DRIVEWAY OR IN A SIDEWALK.
 7. METER SETTER TO BE MUELLER H-1423-2, OR ACCEPTABLE EQUAL. INSTALL CORRECT SIZE METAL PIPE TO STABILIZE SETTER.
 8. PIPE SPLICES SHALL BE MADE USING A COMPRESSION FITTING; MUELLER 110 COMPRESSION CONNECTOR (MUELLER H-154C3) W/ STAINLESS STEEL INSERTS.
 9. WATER SERVICES SHALL BE STUBBED TO A POINT APPROXIMATELY 1 (ONE) FOOT BEYOND UTILITY EASEMENT.
 10. IN TRAFFIC AREAS, BOXES SHOULD BE ABLE TO SUPPORT 40-20 LOADINGS (NOTE: TYPICALLY WATER METERS ARE NOT ALLOWED IN TRAFFIC AREAS.)
 11. METER LID TO BE 1" ABOVE THE LINE GRADE OF WALK/CURB.
 12. 1 1/2"-HIGH METER INSTALLATION TO BE SIMILAR; USING 1 1/2"-HIGH METER, PIPE, FITTINGS AND SETTER.

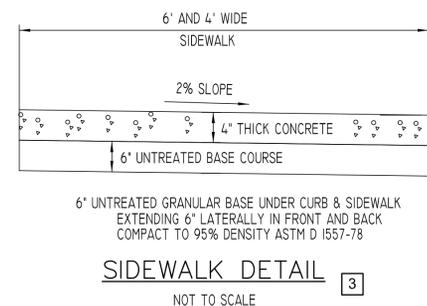
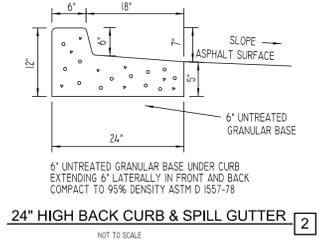
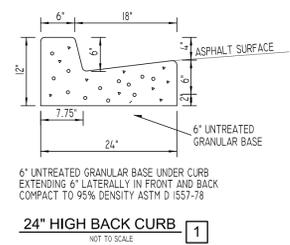
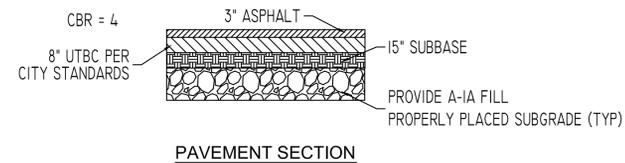
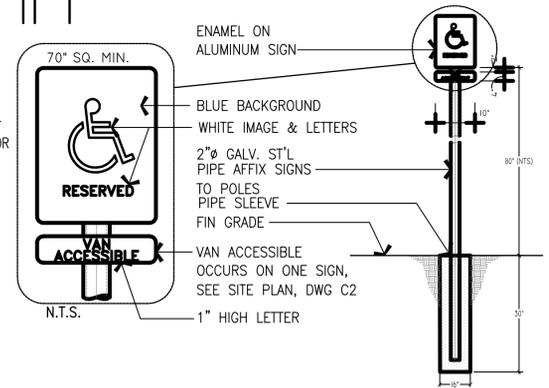
NON-RESIDENTIAL METER CONNECTION

DATE: AUGUST 2017	REVISIONS:
DRAWING NO: DW-6	NO. 1
DESIGNED BY: ETC	DATE: 10/9/2018
CHECKED BY: SARATOGA SPRINGS CITY	PROJECT: HARVEST POINT COMMERCIAL PLAT "A" LOT 3

STANDARD DETAILS: **DW-6**



NOTE :
REFLECTORIZED SIGN CONSTRUCTED OF PORCELAIN STEEL WITH BEADED TEXT OR EQUAL



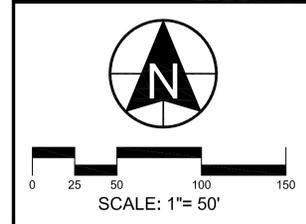
DEVELOPMENT

HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DEVELOPER

NORTHSTAR BUILDERS

1059 E. 900 S.
SUITE 201
SALT LAKE CITY, UT 84105
(801) 755-9504



BERG CIVIL ENGINEERING

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REVISIONS		SEAL
NO.	DATE	DESCRIPTION
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6		
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ACTION	DATE
SITE PLAN	10/9/2018

PROJECT

HARVEST POINT COMMERCIAL PLAT "A" LOT 3

DESCRIPTION

SITE PLANS

CONSTRUCTION DETAILS

SHEET NAME	SHEET NUMBER
DETAILS	C9



ADVANCED DRAINAGE SYSTEMS, INC.



HARVEST POINT COMMERCIAL LOT 3

SARATOGA SPRINGS

STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-3500 OR APPROVED EQUAL.
2. CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
5. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
7. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
 - a. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
 - b. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.
 - c. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
8. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

1. STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.

STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 9" (230 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm) MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
9. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING..
10. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER Tired LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

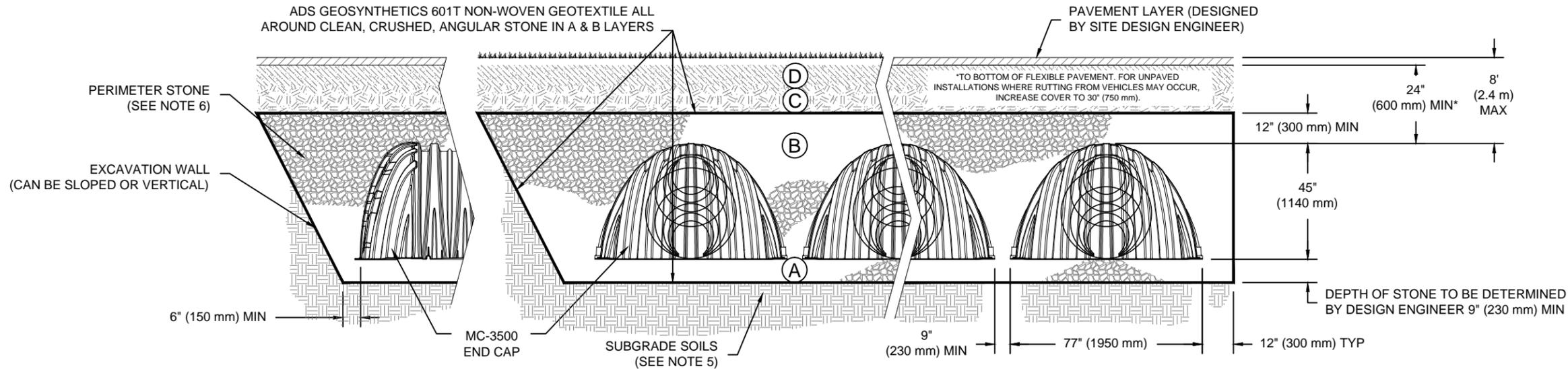
CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:

- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



NOTES:

- MC-3500 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE STORMTECH CHAMBERS FOR THIS PROJECT.
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

HARVEST POINT COMMERCIAL LOT 3

DESCRIPTION

SARATOGA SPRINGS

DRAWN: KB

DATE: 10/22/2018

PROJECT #: Tool

CHECKED: ---

REV

CHK

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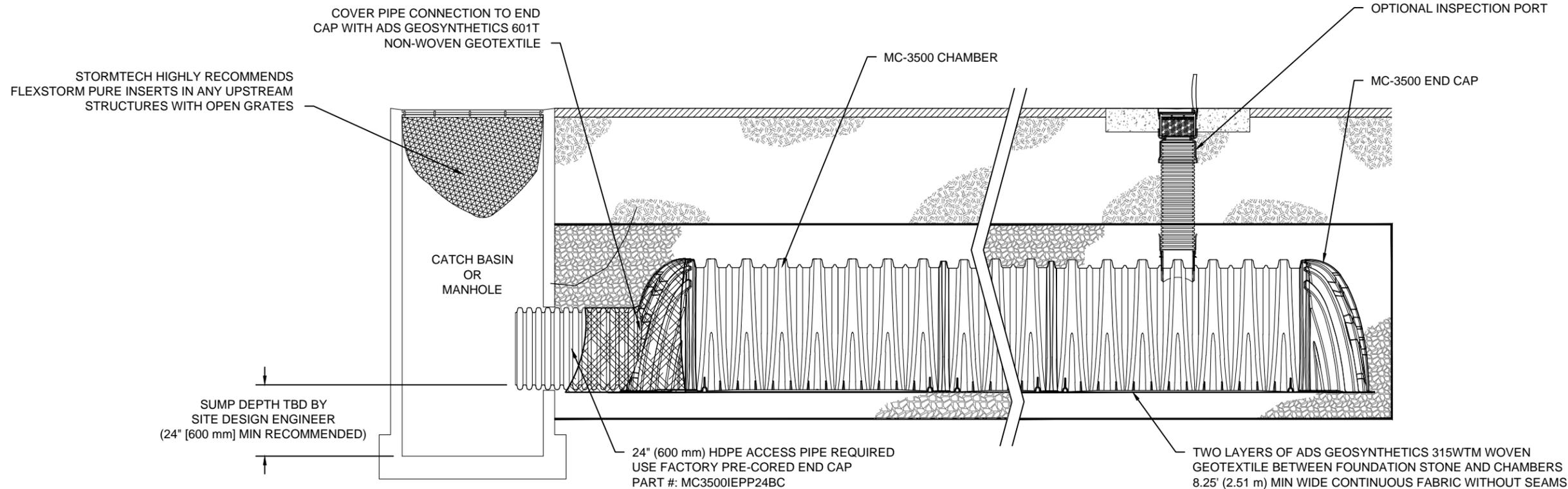
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THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

SHEET

3 OF 6



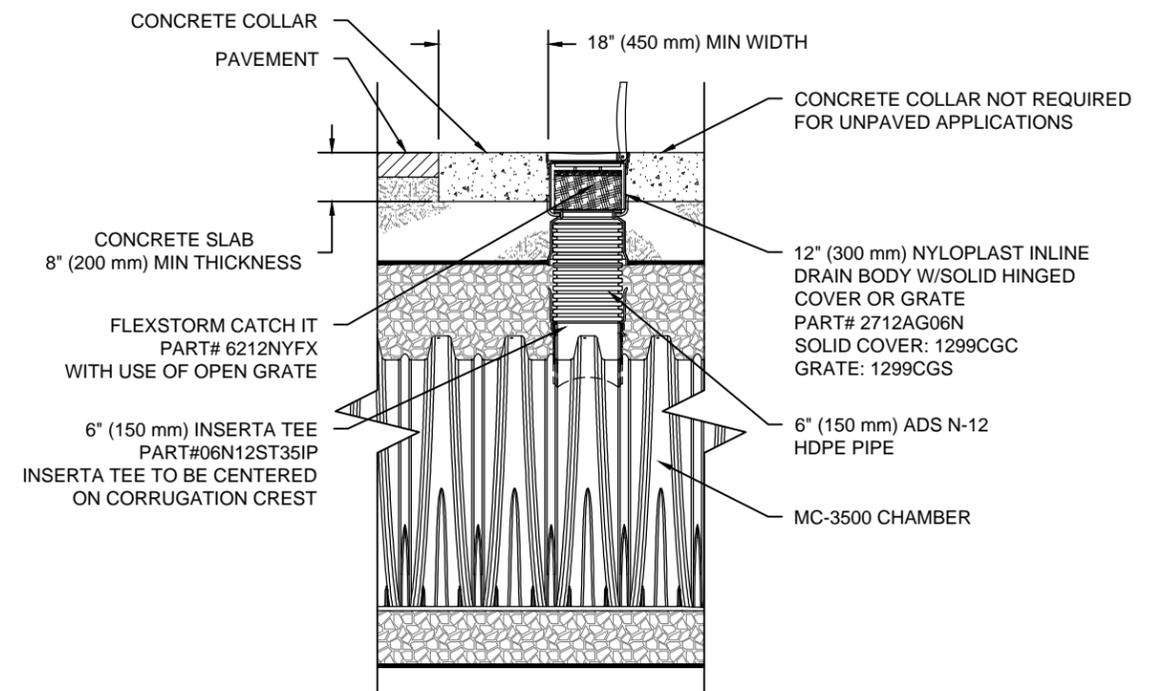
MC-3500 ISOLATOR ROW DETAIL
NTS

INSPECTION & MAINTENANCE

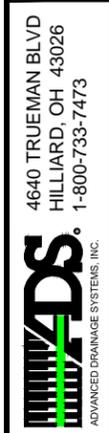
- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
 - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - B. ALL ISOLATOR ROWS
 - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
 - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
 - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
 - B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - C. VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



MC-3500 6" INSPECTION PORT DETAIL
NTS



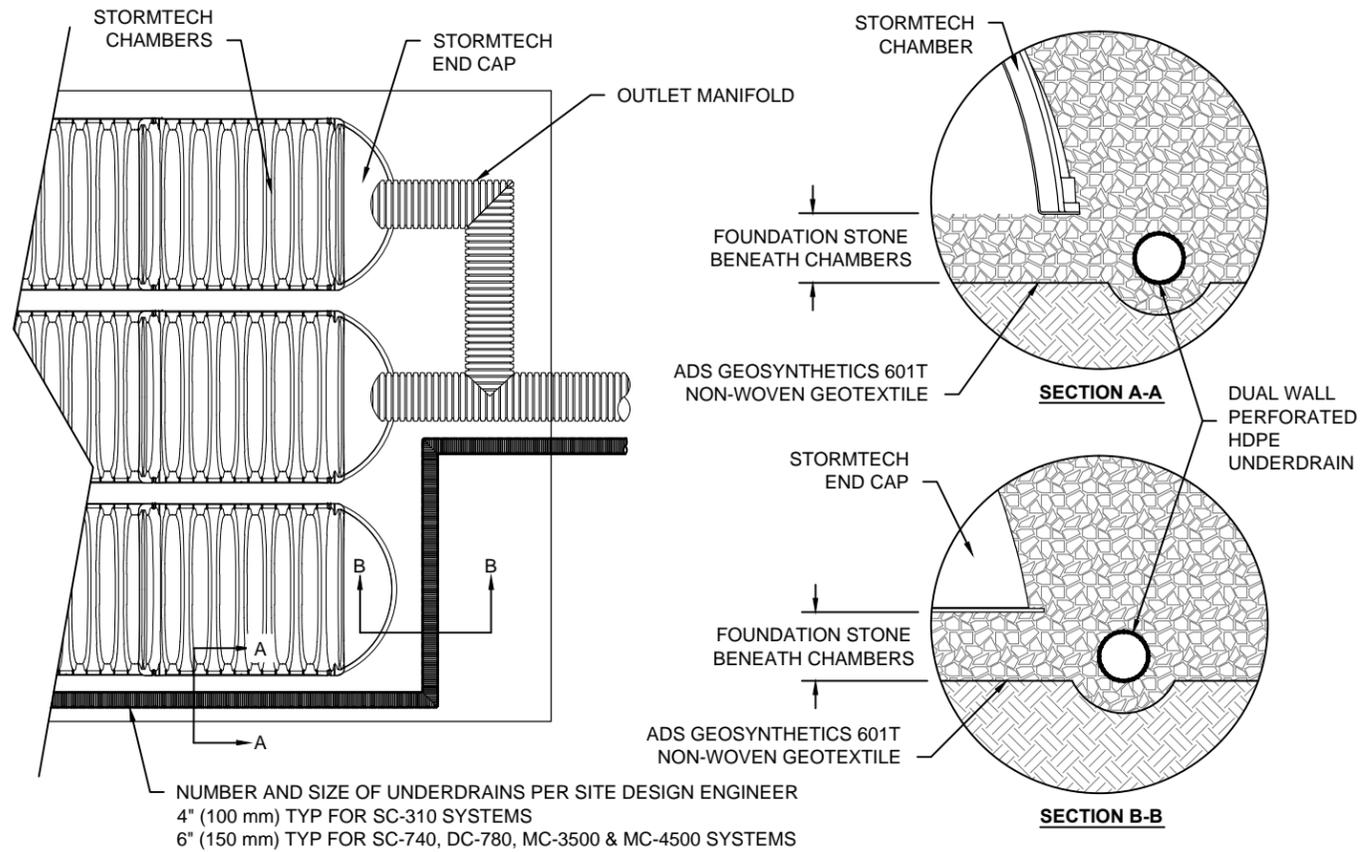
HARVEST POINT COMMERCIAL LOT 3	
SARATOGA SPRINGS	
DATE: 10/22/2018	DRAWN: KB
PROJECT #: Tool	CHECKED: ---

REV	DRW	CHK	DESCRIPTION

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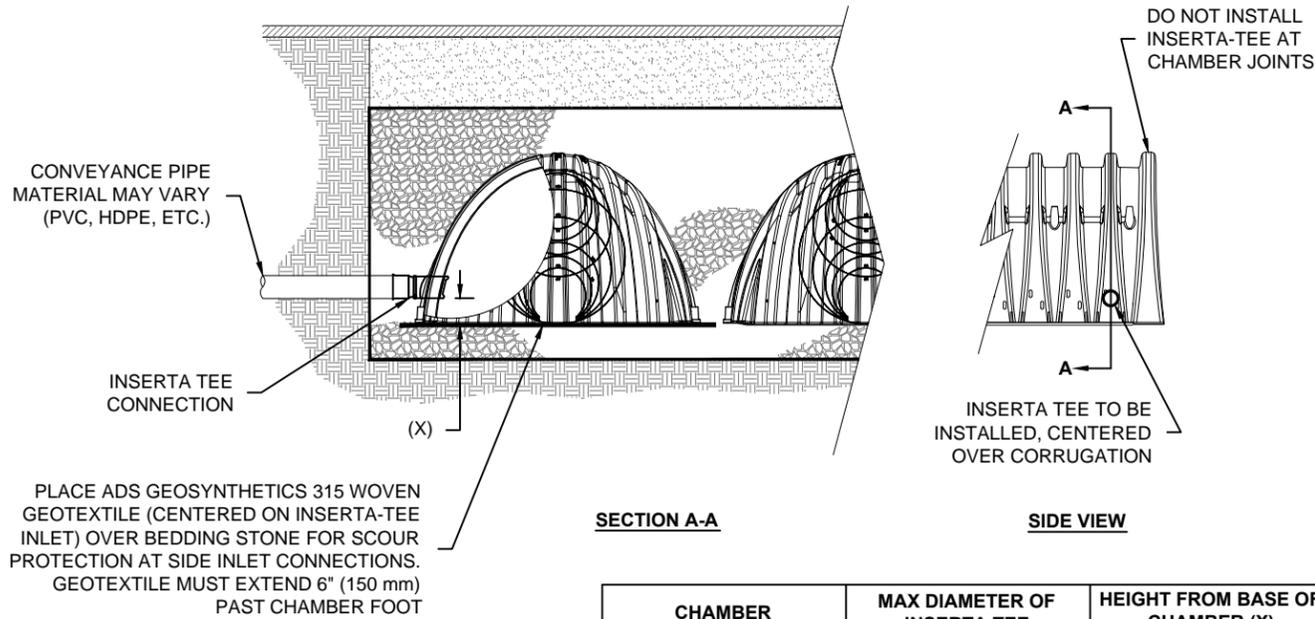
UNDERDRAIN DETAIL

NTS



INSERTA TEE DETAIL

NTS



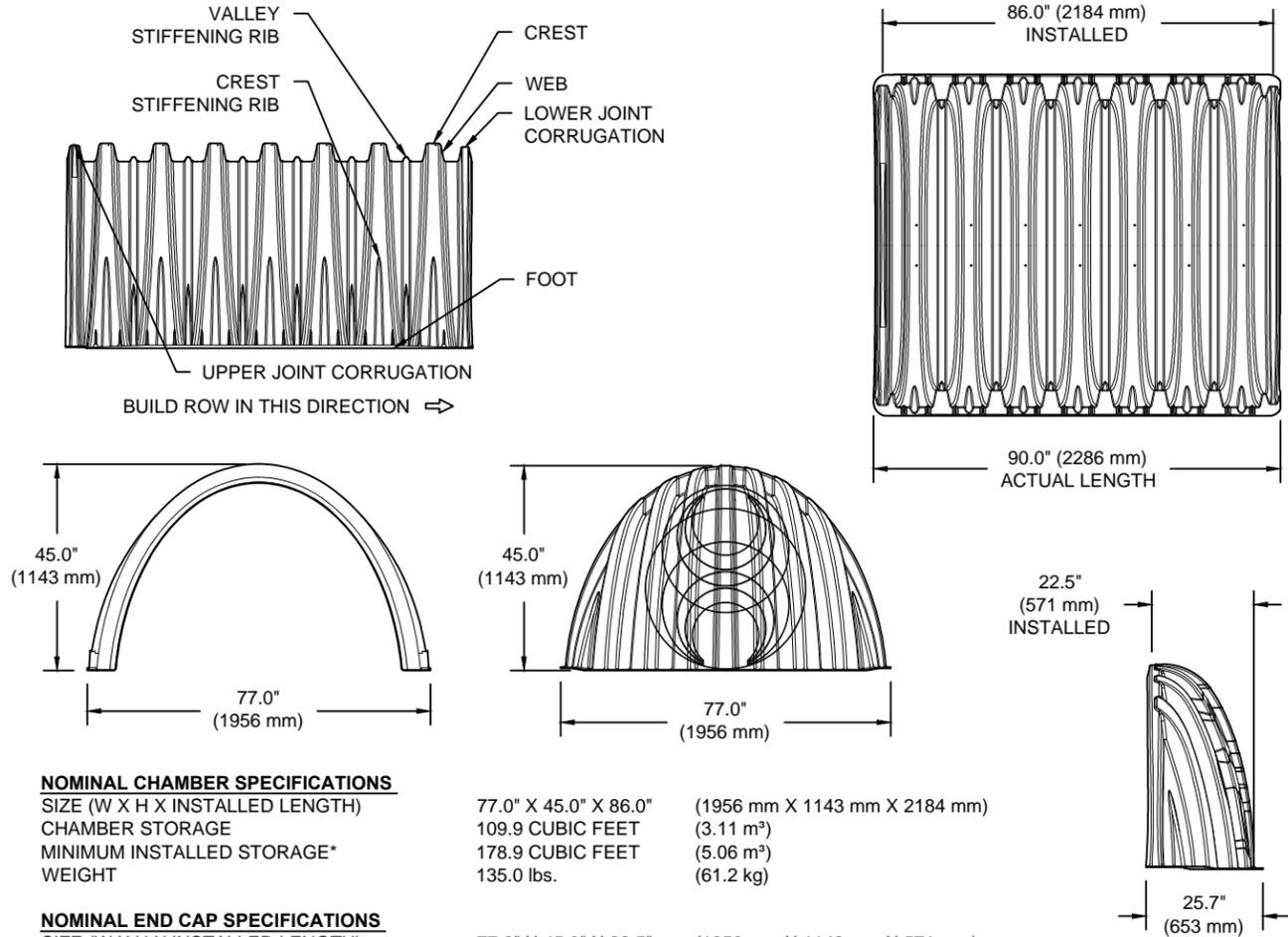
CHAMBER	MAX DIAMETER OF INSERTA TEE	HEIGHT FROM BASE OF CHAMBER (X)
SC-310	6" (150 mm)	4" (100 mm)
SC-740	10" (250 mm)	4" (100 mm)
DC-780	10" (250 mm)	4" (100 mm)
MC-3500	12" (300 mm)	6" (150 mm)
MC-4500	12" (300 mm)	8" (200 mm)

INSERTA TEE FITTINGS AVAILABLE FOR SDR 26, SDR 35, SCH 40 IPS GASKETED & SOLVENT WELD, N-12, HP STORM, C-900 OR DUCTILE IRON

NOTE:
PART NUMBERS WILL VARY BASED ON INLET PIPE MATERIALS. CONTACT STORMTECH FOR MORE INFORMATION.

MC-3500 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0"	(1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET	(3.11 m³)
MINIMUM INSTALLED STORAGE*	178.9 CUBIC FEET	(5.06 m³)
WEIGHT	135.0 lbs.	(61.2 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 22.5"	(1956 mm X 1143 mm X 571 mm)
END CAP STORAGE	14.9 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	46.0 CUBIC FEET	(1.30 m³)
WEIGHT	50.0 lbs.	(22.7 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION AND BETWEEN CHAMBERS, 12" (305 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	B	C
MC3500IEPP06T	6" (150 mm)	33.21" (844 mm)	---
MC3500IEPP06B		---	0.66" (17 mm)
MC3500IEPP08T	8" (200 mm)	31.16" (791 mm)	---
MC3500IEPP08B		---	0.81" (21 mm)
MC3500IEPP10T	10" (250 mm)	29.04" (738 mm)	---
MC3500IEPP10B		---	0.93" (24 mm)
MC3500IEPP12T	12" (300 mm)	26.36" (670 mm)	---
MC3500IEPP12B		---	1.35" (34 mm)
MC3500IEPP15T	15" (375 mm)	23.39" (594 mm)	---
MC3500IEPP15B		---	1.50" (38 mm)
MC3500IEPP18TC	18" (450 mm)	20.03" (509 mm)	---
MC3500IEPP18BC		---	1.77" (45 mm)
MC3500IEPP24TC	24" (600 mm)	14.48" (368 mm)	---
MC3500IEPP24BC		---	2.06" (52 mm)
MC3500IEPP30BC	30" (750 mm)	---	---

NOTE: ALL DIMENSIONS ARE NOMINAL

CUSTOM PRECURED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

HARVEST POINT COMMERCIAL LOT 3
SARATOGA SPRINGS

DATE: 10/22/2018
DRAWN: KB
PROJECT #: Tool
CHECKED: ---

DESCRIPTION
CHK
DRW
REV

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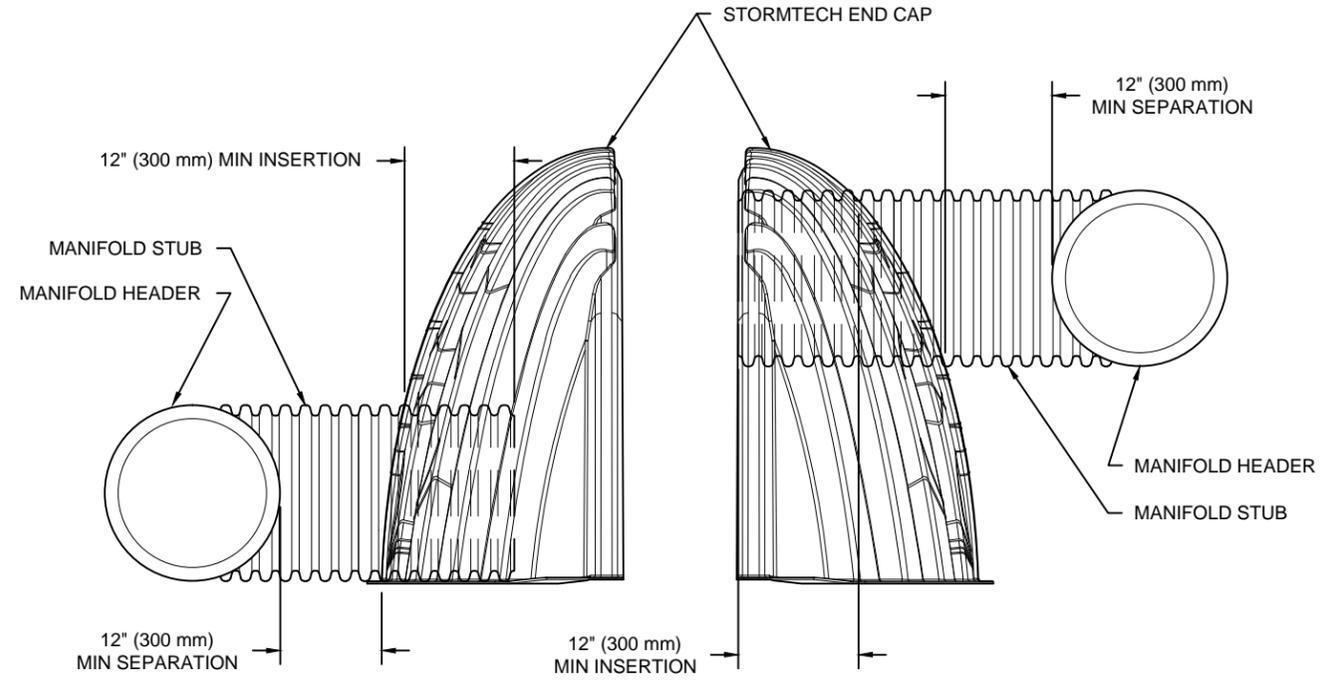
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SHEET
5 OF 6

MC-SERIES END CAP INSERTION DETAIL

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NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.



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