

highlighted with colored, textured paving.

Building Heights: Maximum building height is 40 feet.

888.456.5849

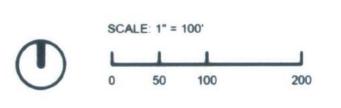
ktgy.com



Senior Resource Group 500 Stephens Avenue Solana Beach, CA 92075

HARPER ROAD SENIOR LIVING ALBUQUERQUE, NM # 2017-0235

(BK C26, PG 3)



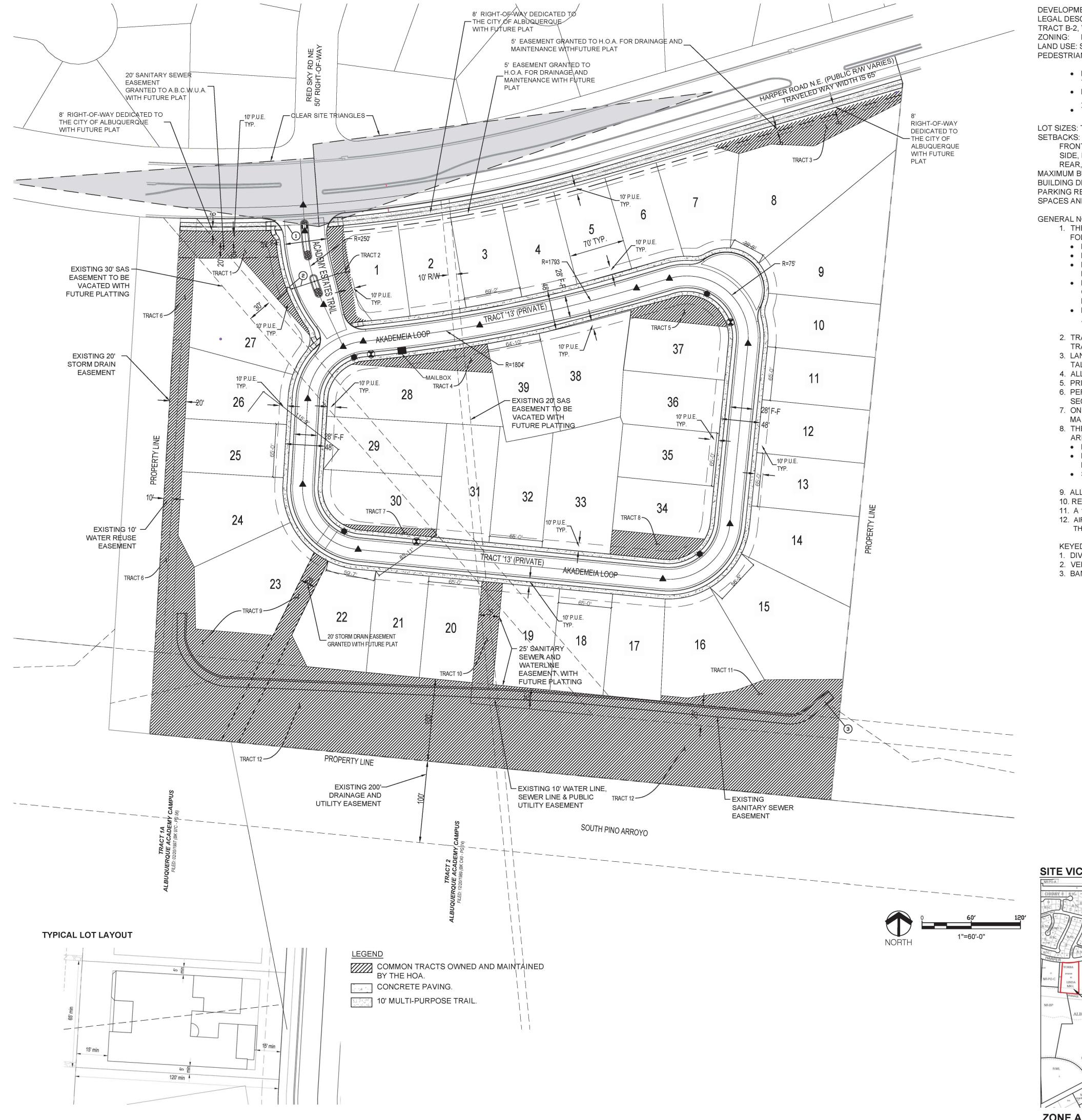
1 MAJOR AMENDMENT 2.16.2023

FOR SUBDIVISION

REMOVE TRACT A-2 FROM THIS SITE PLAN

Chairperson, Planning Department

*Environmental Health Department, if necessary



LEGAL DESCRIPTION: TRACT A-2 PLAT OF TRACTS A-1 AND A-2 HOFFMANTOWN BAPTIST CHURCH SITE (A REPLAT OF TRACT A, HOFFMANTOWN BAPTIST CHURCH SITE AND TRACT B-2, YORBA LINDA SUBDIVISION) CONTAINING 14.0710 ACRES.

ZONING: R1-C

LAND USE: SINGLE-FAMILY DETACHED PEDESTRIAN AND VEHICULAR ACCESS:

- PRIMARY VEHICULAR ACCESS IS FROM HARPER ROAD NE, AN EXISTING URBAN COLLECTOR. THE SUBDIVISION SHALL BE GATED, AND THE NEW ROADWAY SERVING THE SUBDIVISION SHALL BE PRIVATELY OWNED AND MAINTAINED BY A HOMEOWNERS' ASSOCIATION.
- PEDESTRIAN ACCESS WILL BE PRIVATE, GATED ACCESS FROM HARPER ROAD NE. 5 FOOT SIDEWALKS TO BE PROVIDED WITHIN THE SUBDIVISION. A 10 FOOT
- ASPHALT TRAIL TO BE PROVIDED ALONG HARPER ROAD.
- TRANSIT ACCESS IS PROVIDED ON WYOMING BOULEVARD (ROUTE 98 & 31) AND VENTANA STREET (ROUTE 2).

LOT SIZES: THE MINIMUM LOT SIZE IN HOFFMANTOWN ESTATES IS 7,000 SQUARE FEET WITH A MINIMUM LOT WIDTH OF 65 FEET.

FRONT, MINIMUM: 15 FEET

SIDE, MINIMUM: 5 FEET; STREET SIDE OF CORNER LOTS: MINIMUM 10 FEET

REAR, MINIMUM: 15 FEET

MAXIMUM BUILDING HEIGHT ALLOWED: 26 FEET

BUILDING DESIGN: SINGLE-FAMILY SHALL COMPLY WITH THE BUILDING DESIGN REQUIREMENTS OF IDO SECTION 14-16-5-11(C) LOW-DENSITY RESIDENTIAL DEVELOPMENT PARKING REQUIREMENTS: DWELLING UNIT IN HOFFMANTOWN ESTATES WILL CONTAIN 3+ BEDROOMS, EACH DWELLING UNITS WILL CONTAIN 4 PARKING SPACES: 2 GARAGE SPACES AND 2 DRIVEWAY SPACES.

GENERAL NOTES

- 1. THE PROJECT SHALL COMPLY WITH APPLICABLE PROVISIONS OF IDO-14-16-5-2 SITE DESIGN AND SENSITIVE LANDS AND THE DPM UNLESS A WAIVER APPLIES. THE
- FOLLOWING WAIVERS WERE APPROVED BY THE DEVELOPMENT REVIEW BOARD ON DECEMBER 7, 2022, AND THE ENVIRONMENTAL PLANNING COMMISSION: DPM SECTION 7-4(E) - PEDESTRIAN FACILITIES - WAIVER TO ALLOW A SIDEWALK ON ONE SIDE OF THE STREET AT THE PRIVATE ENTRYWAYS TO THE SUBDIVISION.
- DPM SECTION 7-2(C) TEMPORARY SIDEWALK DEFERRAL WAIVER TO DEFER THE INSTALLATION OF SIDEWALKS UNTIL EACH HOME CONSTRUCTION IS COMPLETED • DPM SECTION 7-4(A)(3) CONNECTIVITY - WAIVER TO ALLOW TWO BLOCKS WITHIN THE HOFFMANTOWN ESTATES SUBDIVISION TO EXCEED 600 FEET, THE MAXIMUM
- BLOCK LENGTH FOR A LOCAL STREET. AKADEMIA LOOP, THE PRIMARY LOCAL STREET WITHIN THE SUBDIVISION, IS 1,565 IN LENGTH • DPM SECTION 7-4(I)(2) STANDARD CENTERLINE RADIUS FOR A LOCAL ACCESS STREET OF 75 FEET WITH APPROVAL OF THE TRAFFIC ENGINEER. WAIVER TO THE CENTERLINE RADIUS AT FOUR CORNERS OF THE LOW-SPEED, PRIVATE THOROUGHFARE OF AKADEMIA LOOP, WHERE THE ROAD IS 90 DEGREES OR NEAR 90
- IDO SECTION 5-4(F)(2)(B) RESIDENTIAL LOTS SHALL AVOID LAYOUTS WHERE THE REAR LOT LINE IS ADJACENT TO A COLLECTOR OR ARTERIAL STREET. WAIVER TO ALLOW FOR THE SEVEN LOTS ON THE NORTH SIDE OF THE SUBDIVISION WITH REAR YARD LOT LINES ADJACENT TO HARPER ROAD, AN URBAN MINOR ARTERIAL.
- 2. TRACTS 1-13 WILL BE OWNED AND MAINTAINED BY THE HOMEOWNER'S ASSOCIATION. TRACTS 1-11 FOR BEAUTIFICATION PURPOSES; TRACT 12 FOR THE ARROYO; TRACT 13 FOR VEHICULAR AND PEDESTRIAN ACCESS.
- 3. LANDSCAPING AND SIGNAGE WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS. THEREFORE, SIGNS, WALLS, TREES, AND SHRUBBERY BETWEEN 3 AND 8 FEET TALL (AS MEASURED FROM THE GUTTER PAN) WILL NOT BE ACCEPTABLE IN THE AREA.
- 4. ALL INTERNAL SIDEWALKS SHALL BE 5' IN WIDTH.
- 5. PRIVATE ROADWAY IMPROVEMENTS SHALL BE BUILT BY CITY WORK ORDER.
- 6. PERIMETER WALLS SHALL COMPLY WITH IDO SECTIONS 5-7 (E) (3) WALL DESIGN. WHERE ADJACENT TO THE SOUTH PINO ARROYO, WALLS SHALL COMPLY WITH IDO SECTION 5-7 (3) (4).
- 7. ON SITE TRANSFORMERS SHALL HAVE A 5-FOOT CLEAR AREA ON THE SIDES AND REAR AND A 10-FOOT CLEAR AREA IN FRONT TO ALLOW FOR ACCESS AND
- 8. THE SITE PLAN SHALL COMPLY WITH IDO 14-16-5-2(i)(4) SITE DESIGN AND SENSITIVE LANDS LANDSCAPING ADJACENT TO ARROYOS, AND THE FACILITY PLAN FOR ARROYOS - LANDSCAPING & OPEN SPACE:
- DISTURBED AREAS SHALL BE RESEEDED AND/OR PLANTED WITH LOW-WATER, LOW-MAINTENANCE, NATIVE, OR NATURALIZED PLANT MATERIALS [14-16-5-2(i)(4)(B)].
- LANDSCAPING ON LOTS ABUTTING ARROYOS SHALL BE PURSUANT TO 14-16-5(C)(4) REQUIRED PLANT MATERIALS AND SITE AMENITIES [14-16-5-6(C)(4) REQUIRED PLANT MATERIALS AND SITE AMENITIES [14-16-5-2(I)(4)(B)]
- SEE LANDSCAPE PLAN FOR LANDSCAPING ADJACENT TO ARROYO.

9. ALL STREET LIGHT FIXTURES AND SITE LIGHTING SHALL BE IN COMPLIANCE WITH IDO SECTION 5-8 OUTDOOR AND SITE LIGHTING.

10. RETAINING WALLS ALONG HARPER ROAD WILL BE TIERED AND NO HIGHER THAN 8 FOOT

- 11. A 10 FOOT ASPHALT TRAIL AND STREET TREES SHALL BE PROVIDED ALONG THE HARPER ROAD FRONTAGE (SEE SHEETS 3 & 4 FOR HARPER CROSS SECTIONS)
- 12. AIR RELEASE VALVE AND SURGE VALVE ARE NOT REQUIRED AND HAVE BEEN COORDINATED THROUGH THE DRC PROCESS. THE EXISTING WATER AND SEWER UTILITIES LOCATED IN THE EXISTING UTILITY EASEMENT SHOWN SHALL BE ABANDONED OR REMOVED AS REQUIRED THROUGH THE DRC PROCESS AND SHALL BE COORDINATE WITH ABCWUA.

KEYED NOTES:

- 1. DIVIDED ENTRY WITH 52' INGRESS AND EGRESS LANES
- 2. VEHICULAR GATE AND PEDESTRIAN GATE 3. BANK PROTECTION - SEE GRADING AND DRAINAGE PLAN SHEETS

PROJECT NUMBER: PR-2018-001560 Application Number: SI-2023-00554

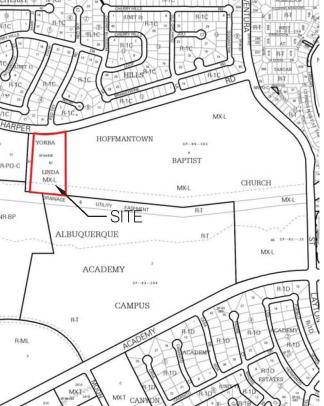
This plan is consistent with the specific Site Development Plan approved by the Environmental Planning Commission (EPC) dated December 7, 2022 and the Findings and Conditions in the Official Notification of Decision are satisfied.

Is an Infrastructure List required? () Yes () No If yes, then a set of approved DRC plans with a work order is required for any construction within Public Right-of-Way or for construction of public improvements.

DFT SITE DEVELOPMENT PLAN APPROVAL

Einest armijo	Apr 5, 2023 Date
Traffic Engineering, Transportation Division	Apr 6, 2023 Date
ABCWUA Muy Somufelot	Apr 5, 2023 Date
Parks and Recreation Department	Apr 6, 2023 Date
Hydrology Jeff Palman Apr 5, 2023, 15:24 MDT) Code Enforcement	Apr 5, 2023 Date
N/A	Date
*Environmental Heath Department (conditional)	
	Date
Solid Waste Management	Apr 7, 2023
Planning Department	

SITE VICINITY



THE ESTATES AT ACADEMY **SITE PLAN - EPC**



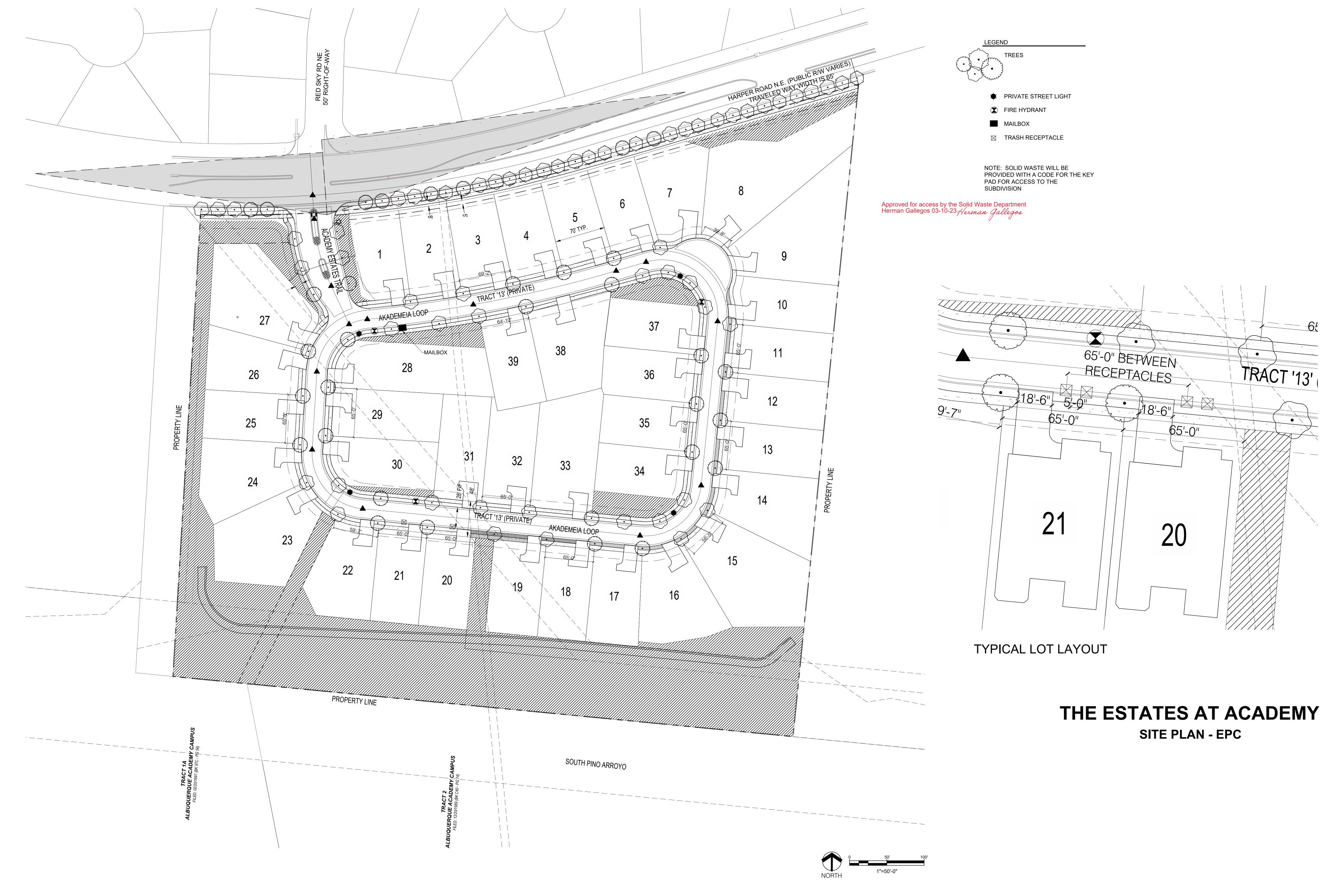
PREPARED FOR: PULTE GROUP 7601 JEFFERSON ST. NE, STE. 320 ALBUQUERQUE, NM 87109

PREPARED BY: CONSENSUS PLANNING, INC. 302 EIGHTH STREET NW ALBUQUERQUE, NM 87102

BOHANNAN HUSTON 7500 JEFFERSON NE ALBUQUERQUE, NM

ZONE ATLAS PAGE E-20-Z

DATE: 03/13/2023



TYPICAL ELEVATIONS

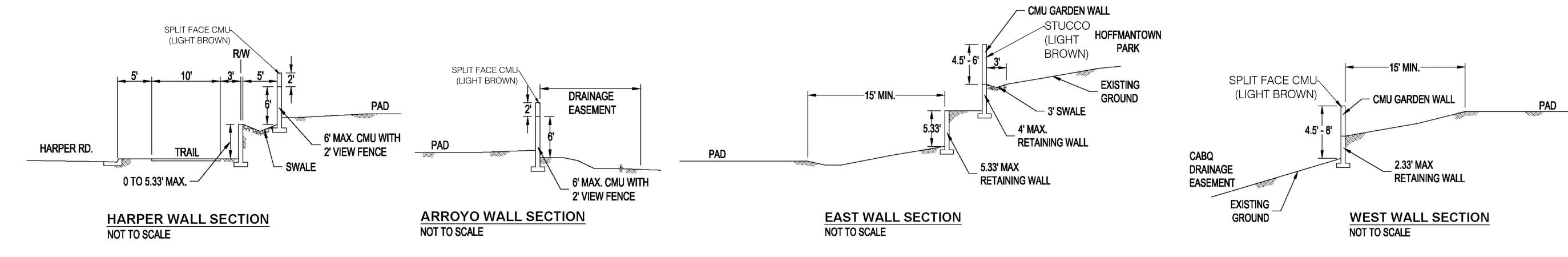




TYPICAL ELEVATIONS

- 1. THE DWELLING UNITS MAY BE 1 OR 2 STORIES. THE MAXIMUM HIEGHT SHALL BE 26
- FEET PER IDO TABLE 2-3-3 R-1 ZONE DISTRICT DIMENSIONAL STANDARDS SUMMARY.
- PRIMARY FINISH MATERIALS SHALL BE STUCCO. STONE MAY BE USED AS AN ACCENT MATERIAL.
- ROOFS MAY BE FLAT, PITCHED, OR A COMBINATION.
- WINDOWS SHALL BE RECESSED NOT LESS THAN 2 INCHES AND / OR SHALL BE SURROUNDED BY A WINDOW CASING NOT LESS THAN 2 INCHES WIDE, PER IDO SECTION 5-11(C)(2).
- 5. FOR ANY SIDE-ACCESS GARAGE, ANY STREET FACING FACADE OF THE GARAGE SHALL BE ARTICULATED TO RESEMBLE THE FACADE OF THE PRIMARY BUILDING AND SHALL INCLUDE AT LEAST 5 FEET OF WINDOWS ALONG THE LENTH OF THE STREET-FACING FACADE OF THE GARAGE, PER IDO SECTION 5-11(C)(3)(a).

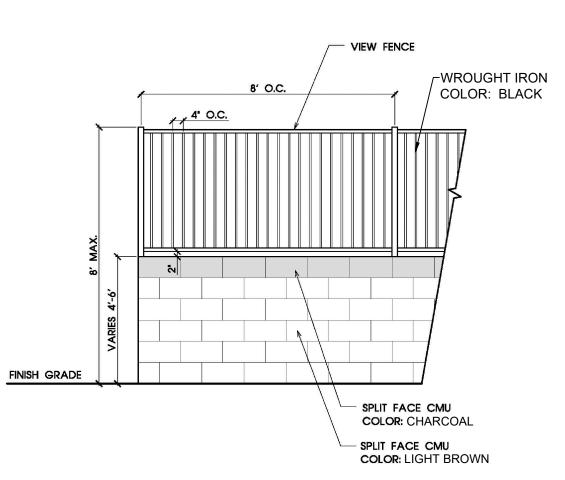
RETAINING WALLS



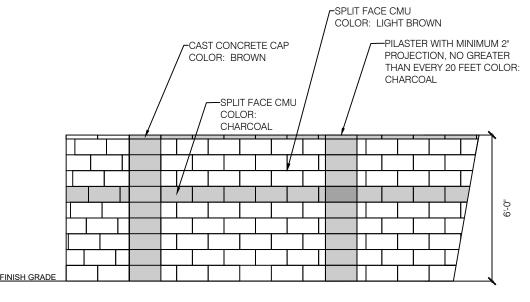
NOTE:

RETAINING WALL HEIGHT SHALL BE IN ACCORDANCE WITH 5-7 (F) RETAINING WALL STANDARDS.

PRIVACY WALL WITH VIEW FENCE



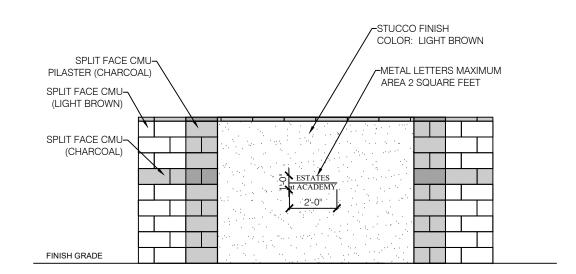
PERIMETER WALL



WALL NOTES:

- 1. ALL WALLS SHALL MEET THE STANDARDS CONTAINED IN THE IDO SECTION 5-7: WALLS AND FENCES RELATIVE TO HEIGHT, LOCATION, ARTICULATION AND ALIGNMENT, AND MATERIALS AND DESIGN.
- 2. A CONTINUOUS OVERHANG CAP WILL PROJECT A MINIMUM OF 2 INCHES FROM THE PUBLIC SIDE OF THE WALL.
- 3. PILASTERS SHALL BE PROVIDED AT INTERVALS OF NO GREATER THAN 20 FEET.

WALL SIGN



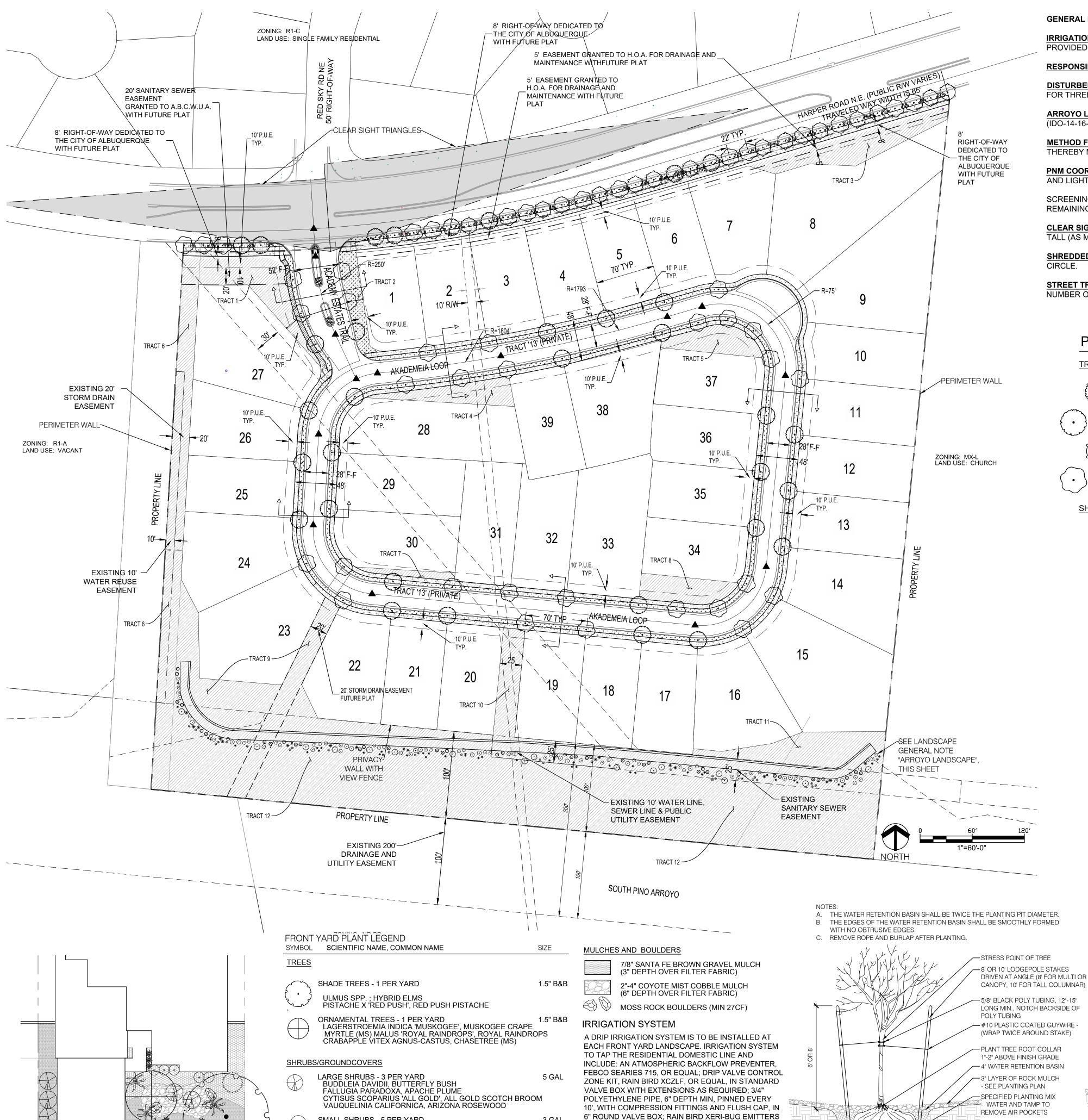
THE ESTATES AT ACADEMY DETAILS - EPC

PREPARED FOR:
PULTE GROUP
7601 JEFFERSON ST. NE, STE. 320
ALBUQUERQUE, NM 87109



PREPARED BY: CONSENSUS PLANNING, INC. 302 EIGHTH STREET NW ALBUQUERQUE, NM 87102

BOHANNAN HUSTON 7500 JEFFERSON NE ALBUQUERQUE, NM



GENERAL LANDSCAPE NOTES

IRRIGATION: IRRIGATION SYSTEM STANDARDS OUTLINED IN THE WATER CONSERVATION LANDSCAPING AND WATER WASTE ORDINANCE SHALL BE STRICTLY ADHERED TO. THE TREES WILL BE PROVIDED WITH (6) 2 GPH EMITTERS AND SHRUBS/ GROUNDCOVERS WILL BE PROVIDED WITH (2) 1 GPH EMITTERS.

RESPONSIBILITY OF MAINTENANCE: MAINTENANCE OF ALL PLANTING AND IRRIGATION, INCLUDING THOSE WITHIN THE PUBLIC R.O.W., SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER

DISTURBED AREAS: DISTURBED AREAS SHALL BE RESEEDED OR PLANTED WITH LOW-WATER, LOW MAINTENANCE, NATIVE, OR NATURALIZED PLANT MATERIALS AND MAINTAINED BY THE HOA FOR THREE (3) YEARS.

ARROYO LANDSCAPE: LANDSCAPE ADJACENT TO THE ARROYO SHALL CONSIST OF LOW MAINTENANCE, NATIVE PLANTS CHOSEN FROM THE ALBUQUERQUE PLANT PALETTE (IDO-14-16-5-6(C)(4)(C) AND IN THE FACILITY PLAN FOR ARROYOS.

METHOD FOR COMPLYING WITH WATER CONSERVATION ORDINANCE: THE PLANT PALETTE IS PREDOMINANTLY COMPRISED OF PLANTS WITH LOW TO MEDIUM WATER USE REQUIREMENTS, THEREBY MINIMIZING IRRIGATION NEEDS WHILE ENSURING THE VIABILITY OF THE PLANTS.

PNM COORDINATION: COORDINATION WITH PNM'S NEW SERVICE DELIVERY DEPARTMENT IS NECESSARY REGARDING PROPOSED TREE LOCATION AND HEIGHT, SIGN LOCATION AND HEIGHT, AND LIGHTING HEIGHT IN ORDER TO ENSURE SUFFICIENT SAFETY CLEARANCES.

SCREENING WILL BE DESIGNED TO ALLOW FOR ACCESS TO ELECTRIC UTILITIES. IT IS NECESSARY TO PROVIDE ADEQUATE CLEARANCE OF TEN FEET IN FRONT AND AT LEAST 5 FEET ON THE REMAINING THREE SIDES SURROUNDING ALL GROUND-MOUNTED EQUIPMENT FOR SAFE OPERATION, MAINTENANCE AND REPAIR PURPOSES.

CLEAR SIGHT DISTANCE: LANDSCAPING AND SIGNAGE WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS. THEREFORE, SIGNS, WALLS, TREES, AND SHRUBBERY BETWEEN 3 AND 8 FEET TALL (AS MEASURED FROM THE GUTTER PAN) WILL NOT BE ACCEPTABLE IN THE AREA.

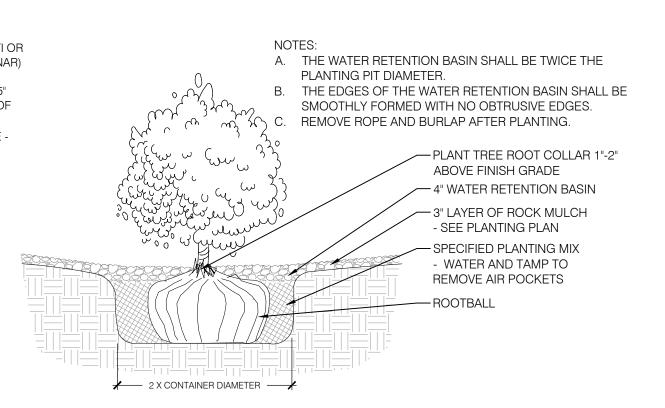
SHREDDED BARK MULCH AT TREES: SHREDDED BARK MULCH WILL BE PROVIDED BENEATH THE ENTIRE TREE CANOPY FOR ALL NEW TREES IN LANDSCAPE AREAS. PROVIDE 3' DIAMETER

STREET TREES: STREET TREE REQUIREMENTS ARE BASED ON AN AVERAGE SPACING OF 22' O.C. / HARPER ROAD NE STREET FRONTAGE = 900' NUMBER OF TREES REQUIRED: 36 / NUMBER OF TREES PROVIDED: 36

PLANT SCHEDULE

TREES	<u>QTY</u>	BOTANICAL / COMMON NAME	INSTALL SIZE	MATURE WIDTH	WTER USE
£~~~~	8	Pistacia chinensis / Chinese Pistache	2" Cal. B&B	35` x 25`	Medium
\odot	25	Pyrus calleryana 'Autumn Blaze' / Autumn Blaze Callery Pear	2" Cal. B&B	35` x 25`	Medium
	14	Ulmus carpinifolia x parvifolia 'Frontier' / Frontier Elm	2" Cal. B&B	35` x 25`	Medium
\bigcirc	43	Ulmus davidiana japonica 'JFS-Bieberich' / Emerald Sunshine® Elm	2" Cal. B&B	25` X 25`	Medium
SHRUBS	<u>QTY</u>	BOTANICAL / COMMON NAME	INSTALL SIZE	MATURE SIZE	WATER USE
	35	Achillea millefolium 'Paprika' / Paprika Common Yarrow	1 gal.	2` x 2`	Medium
MANUALITY OF THE PROPERTY OF T	36	Artemisia filifolia / Sand Sagebrush	5 gal.	3 `x 5`	Low
en of	16	Atriplex canescens / Fourwing Saltbush	5 gal.	6, x 8,	Low
· · · · · · · · · · · · · · · · · · ·	70	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	5 gal.	3` x 2`	Medium
\odot	33	Caryopteris x clandonensis 'Dark Knight' / Dark Knight Bluebeard	5 gal.	3 `x 5`	Low
\odot	17	Chrysothamnus nauseosus / Rubber Rabbitbrush	5 gal.	5` x 5`	Low
*	29	Dasylirion wheeleri / Grey Desert Spoon	5 gal.	5` x 4`	Low
\odot	15	Ericameria Iaricifolia 'Aguirre' / Aguirre Turpentine Bush	5 gal.	3` x 4`	Low
\bigcirc	14	Fallugia paradoxa / Apache Plume	5` Ht.	4` x 5`	Low
	90	Nepeta x faassenii 'Walker's Low' / Walker's Low Catmint	1 gal.	1` x 2`	Low
*	28	Penstemon pseudospectabilis / Desert Beardtongue	1 gal.	3` x 3`	Low
\bigcirc	14	Purshia mexicana / Mexican Cliffrose	5 gal.	6` x 6`	Low
*	39	Yucca glauca / Soapweed	5 gal.	3, x 3,	Low

SCALE: N.T.S.



THE ESTATES AT ACADEMY LANDSCAPE PLAN

PREPARED FOR: PULTE GROUP 7601 JEFFERSON ST. NE, STE. 320 ALBUQUERQUE, NM 87109



PREPARED BY: CONSENSUS PLANNING, INC 302 EIGHTH STREET NW ALBUQUERQUE, NM 87102

BOHANNAN HUSTON 7500 JEFFERSON NE ALBUQUERQUE, NM 87109

DATE: 02/20/2023 SHEET 3 OF 12

SHRUB PLANTING

TYPICAL FRONT YARD LANDSCAPE SANTOLINA CHAMAECYPARISSUS, LAVENDER COTTON

- 70' TYPICAL LOT

SMALL SHRUBS - 5 PER YARD

GROUND COVERS - 3 PER YARD

ACCENTS/GRASSES - 9 PER YARD

DASYLIRON WHEELERI, DESERT SPOON

LAVANDULA ANGUSTIFOLIA, ENGLISH LAVENDER

RHUS AROMATICA 'GRO-LOW', PROSTRATE SUMAC

RHAPHIOLEPIS INDICA 'MONTO', PRINCESS INDIAN HAWTHORN ROSA 'KNOCK OUT', KNOCK OUT ROSE

ROSMARINUS OFFICINALIS 'PROSTRATA', PROSTRATE ROSEMARY

CALAMOGROSTIS A. 'KARL FOERSTER', KARL FOERSTER GRASS

TREE PLANTING SHRUBS AND 12 GALLONS OF WATER AT TREES PER MISCANTHUS SINENSIS 'YAKU JIMA', DWARF MAIDEN GRASS SALVIA NEMOROSA, MAY NIGHT SALVIA CYCLE. SCALE: N.T.S.

EQUAL, INSTALLED ON WALL IN GARAGE.

WITH 1/4" DISTRIBUTION TUBING PINNED AT EACH

CONTROLLER, 4-STATION, RAIN BIRD ESP-RXZ, OR

MATERIALS TO ACHIEVE 2 GALLONS OF WATER AT

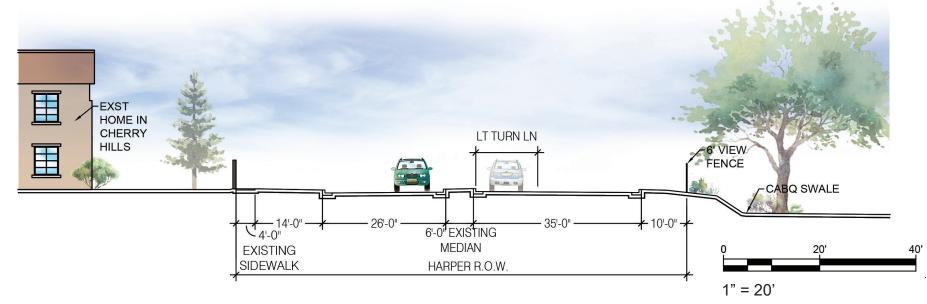
GPH EMITTERS (2/SHRUB) AND XB-20 - 2 GPH EMITTERS (6/TREE), OR EQUAL; IRRIGATION

THE IRRIGATION SYSTEM TO BE INSTALLED TO

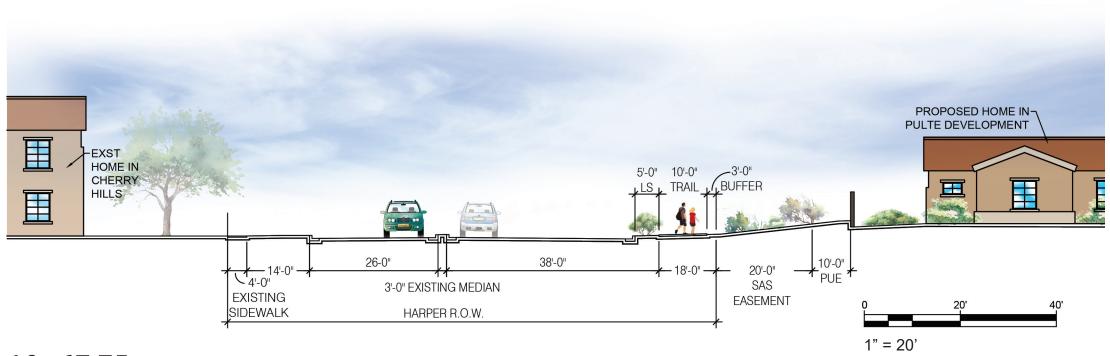
ADEQUATELY IRRIGATE ALL PROPOSED PLANT

TREE AND SHRUB; DRIP EMITTERS, RAIN BIRD XB-10 - 1

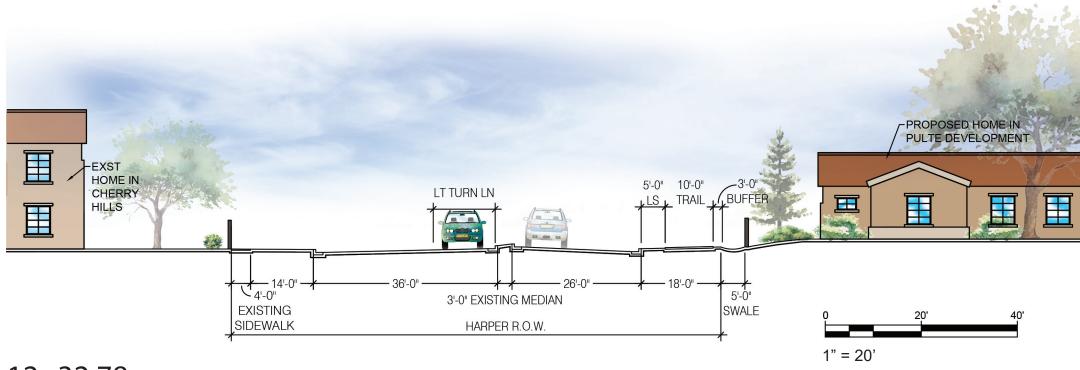
2 X CONTAINER DIAMETER -



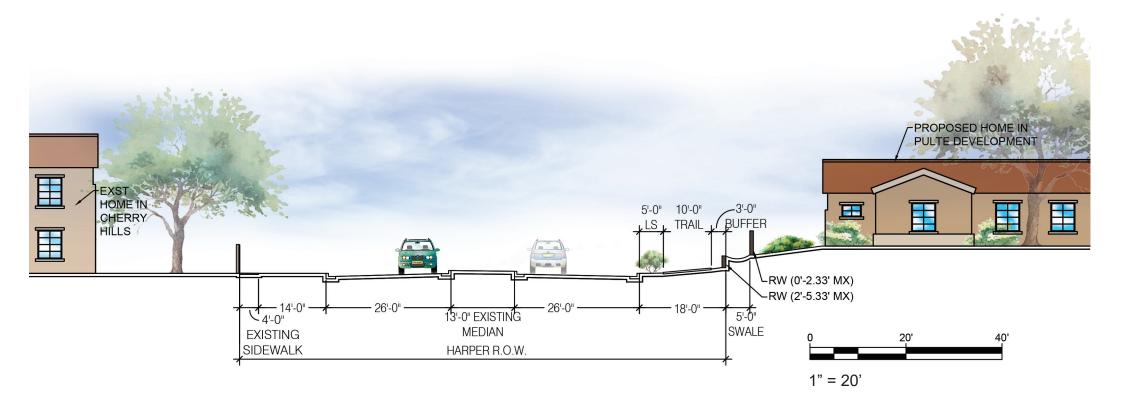
9+87.27

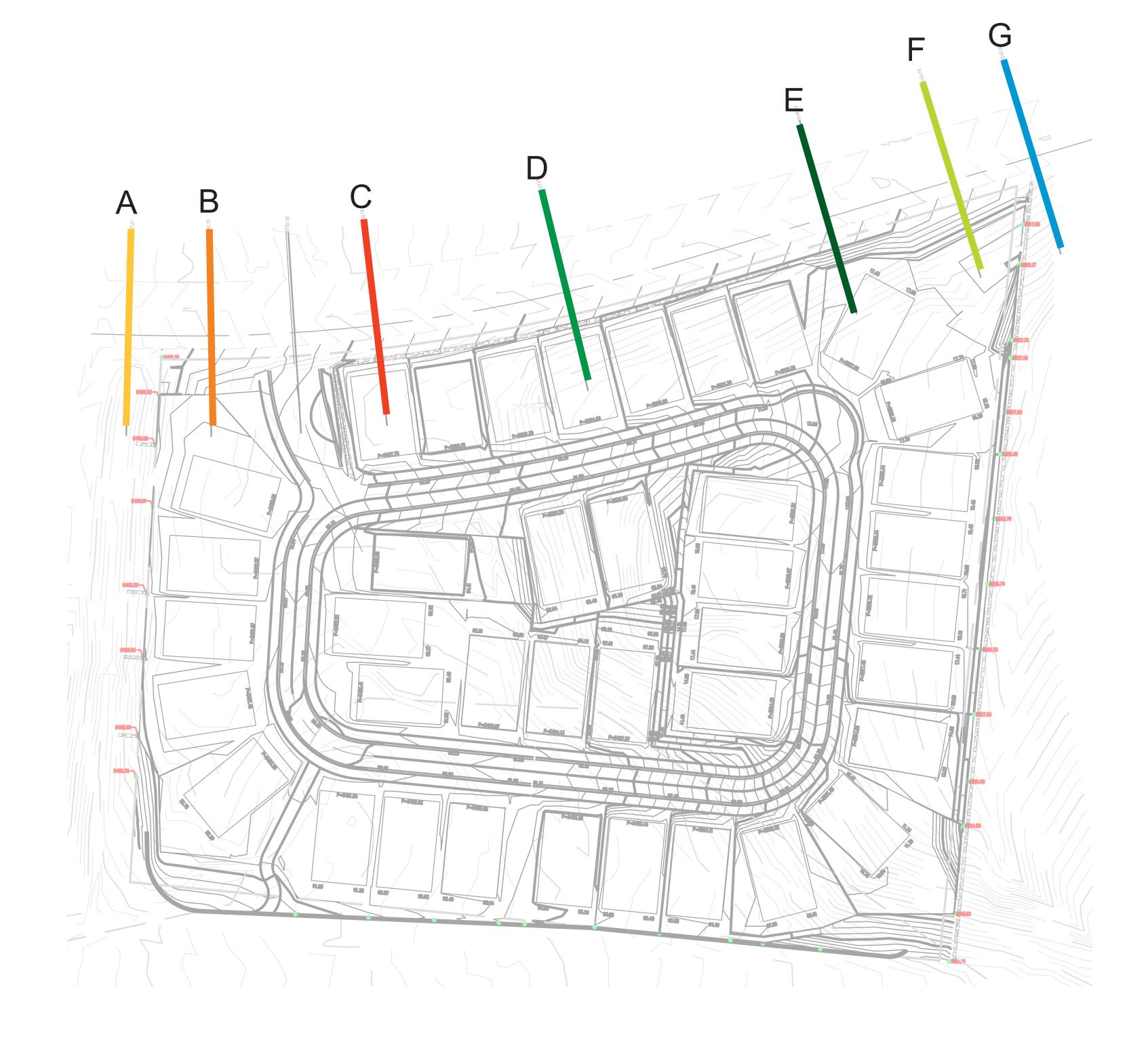


B 10+67.75



12+32.78





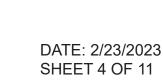
THE ESTATES AT ACADEMY

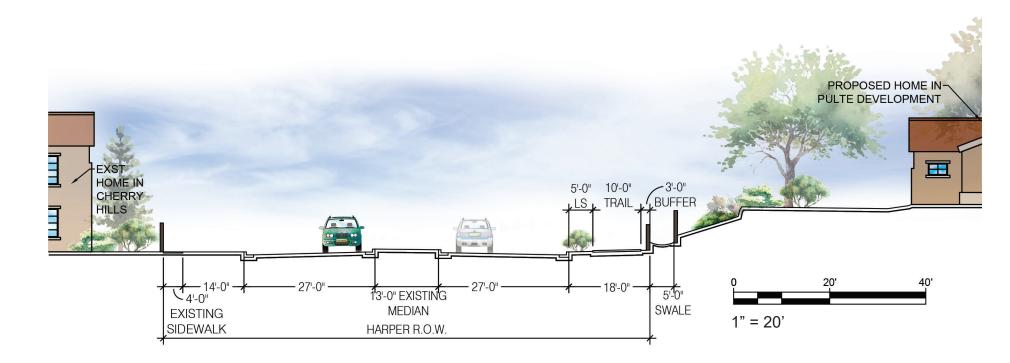
HARPER CROSS SECTIONS

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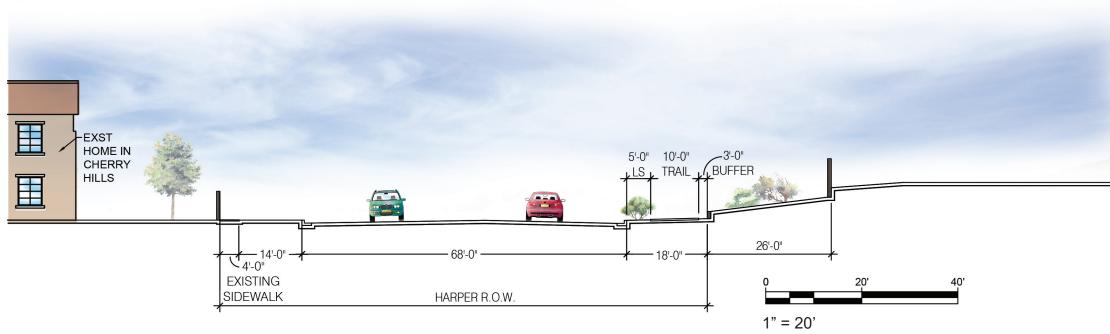
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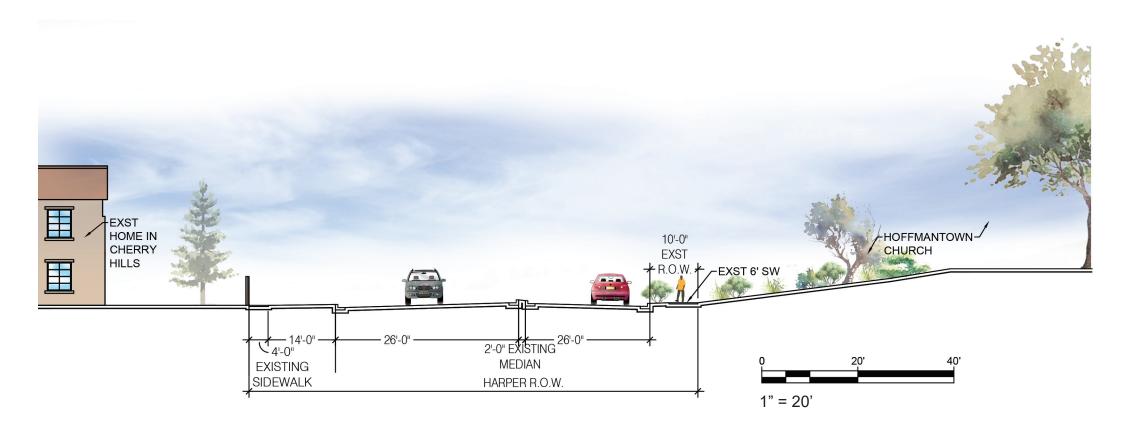






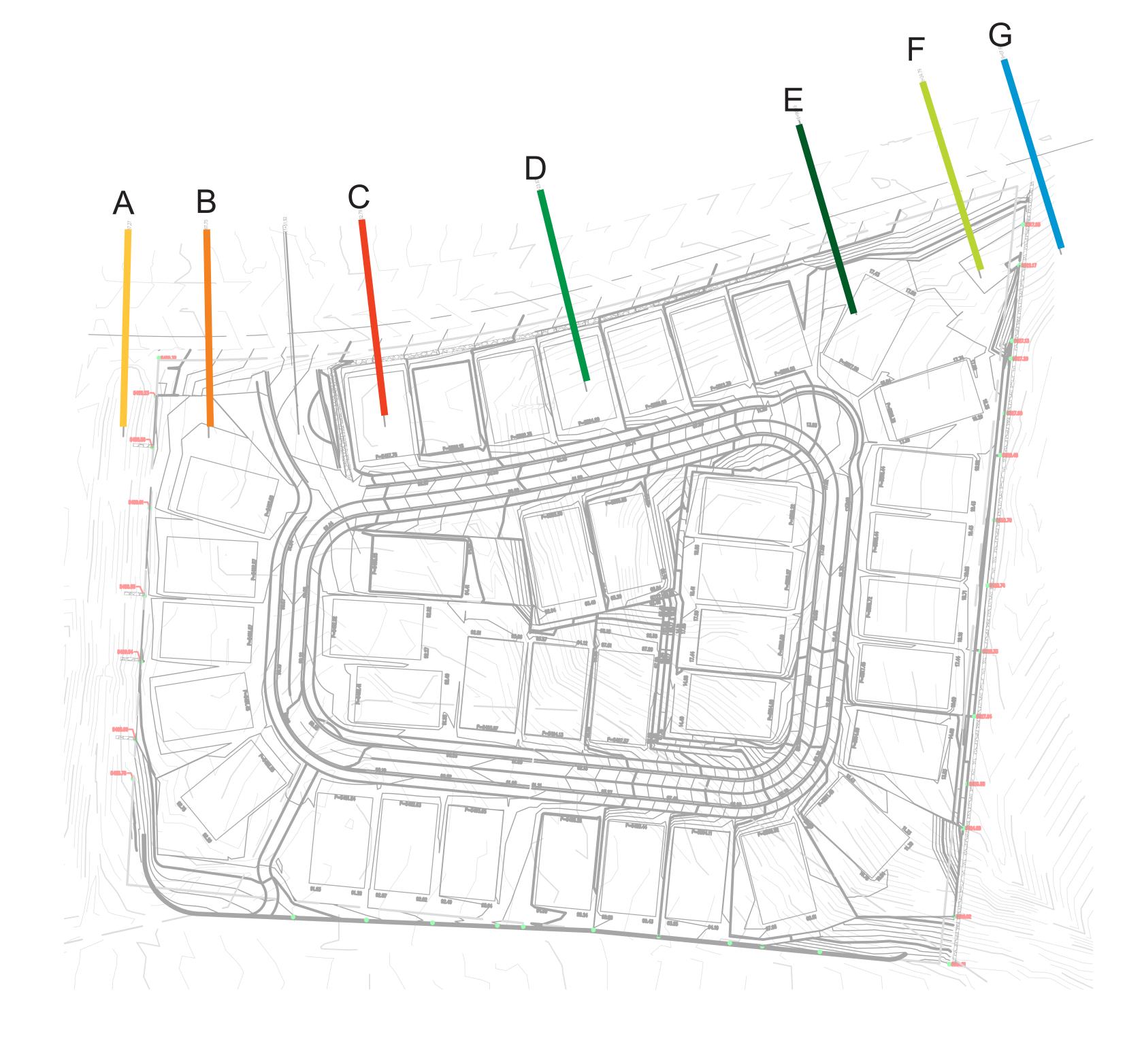


F 18+24.79





19+07.68



THE ESTATES AT ACADEMY

HARPER CROSS SECTIONS

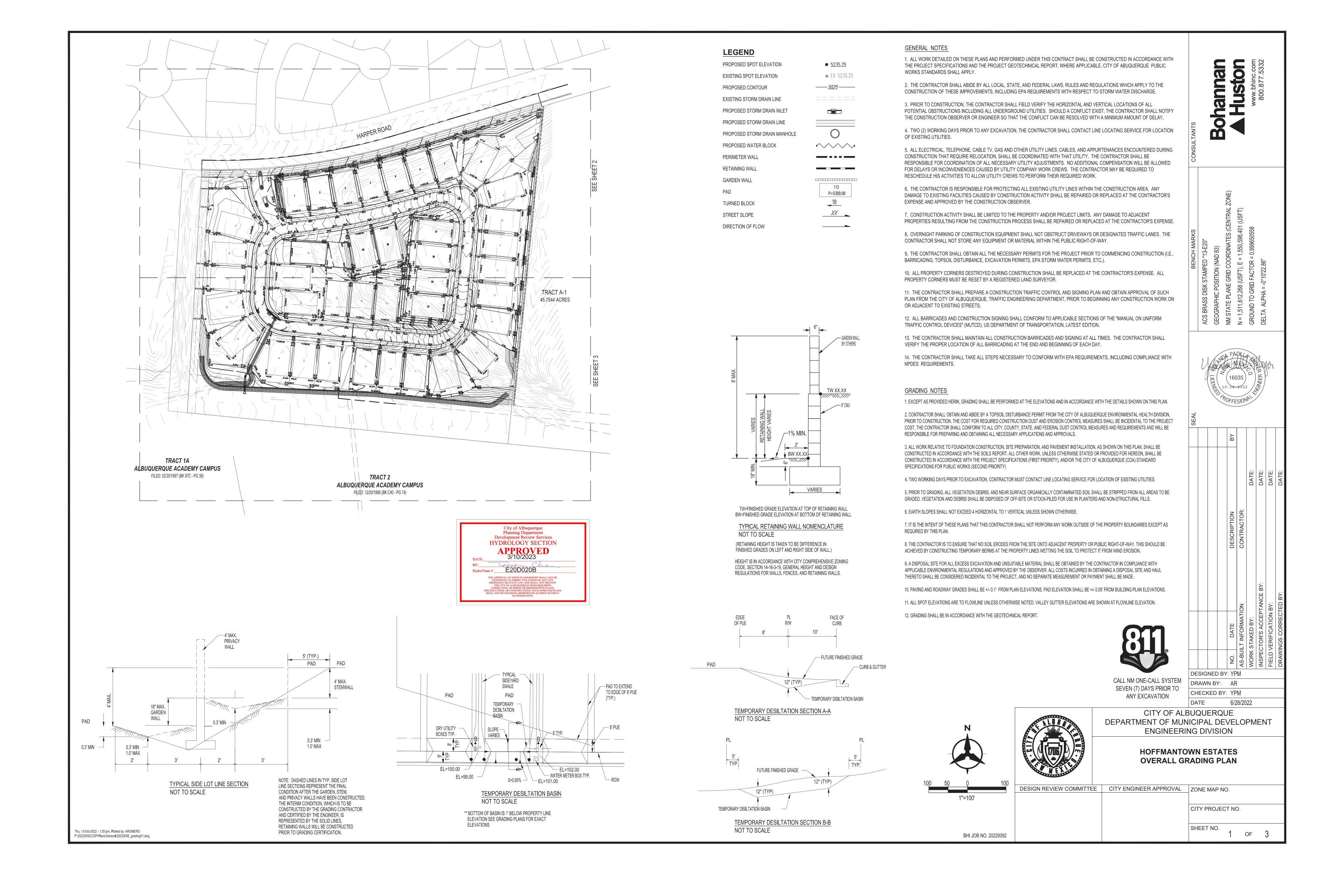
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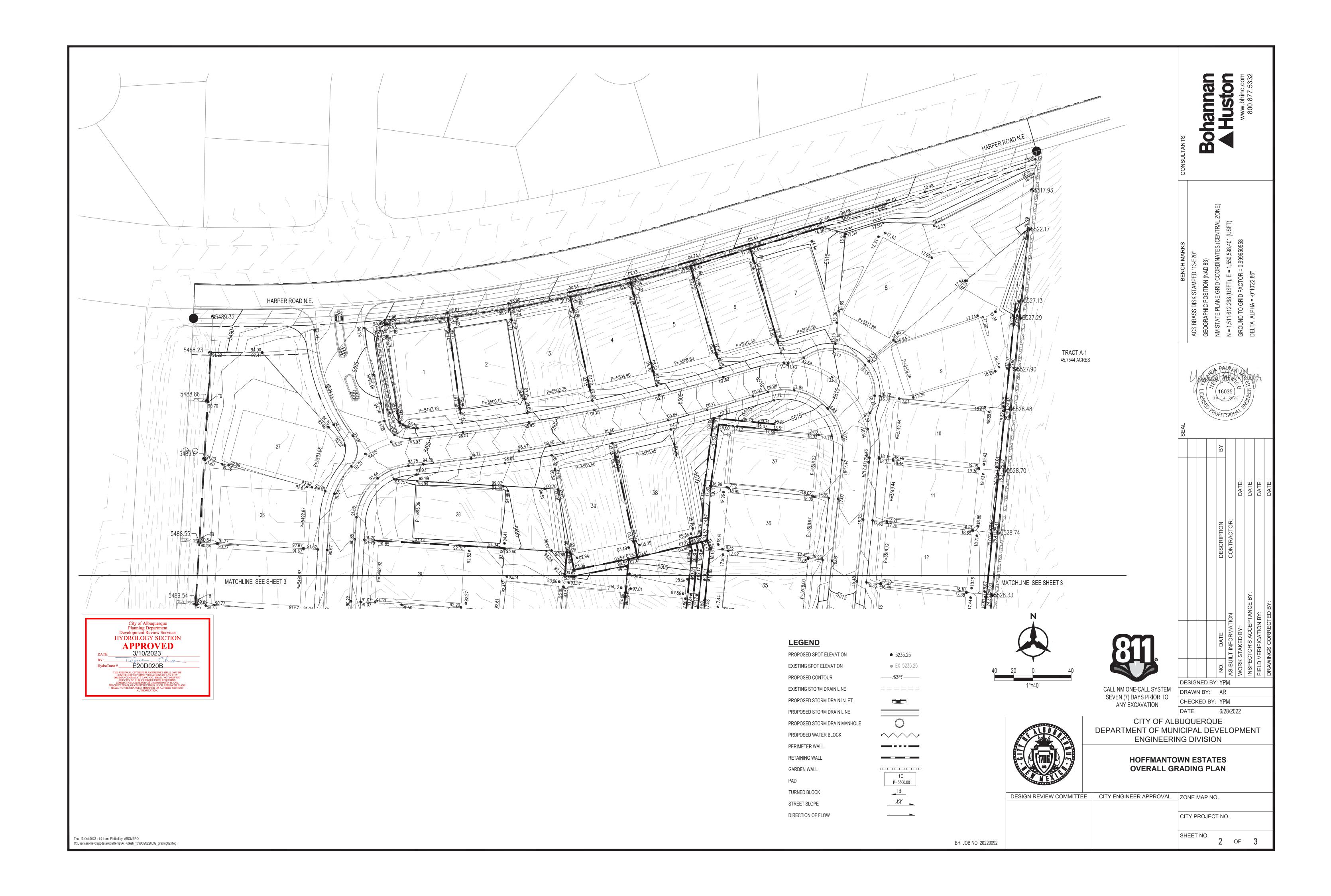


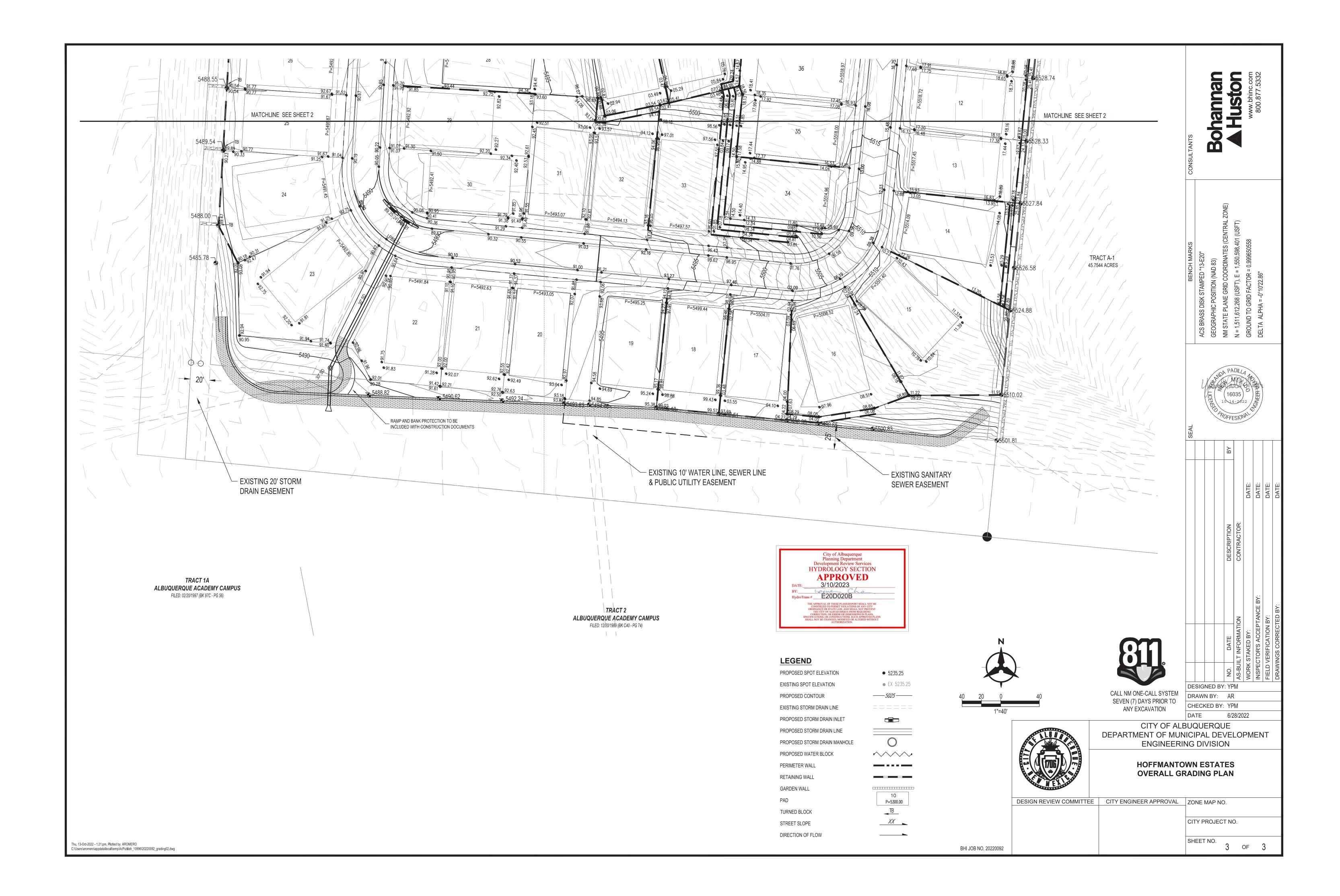
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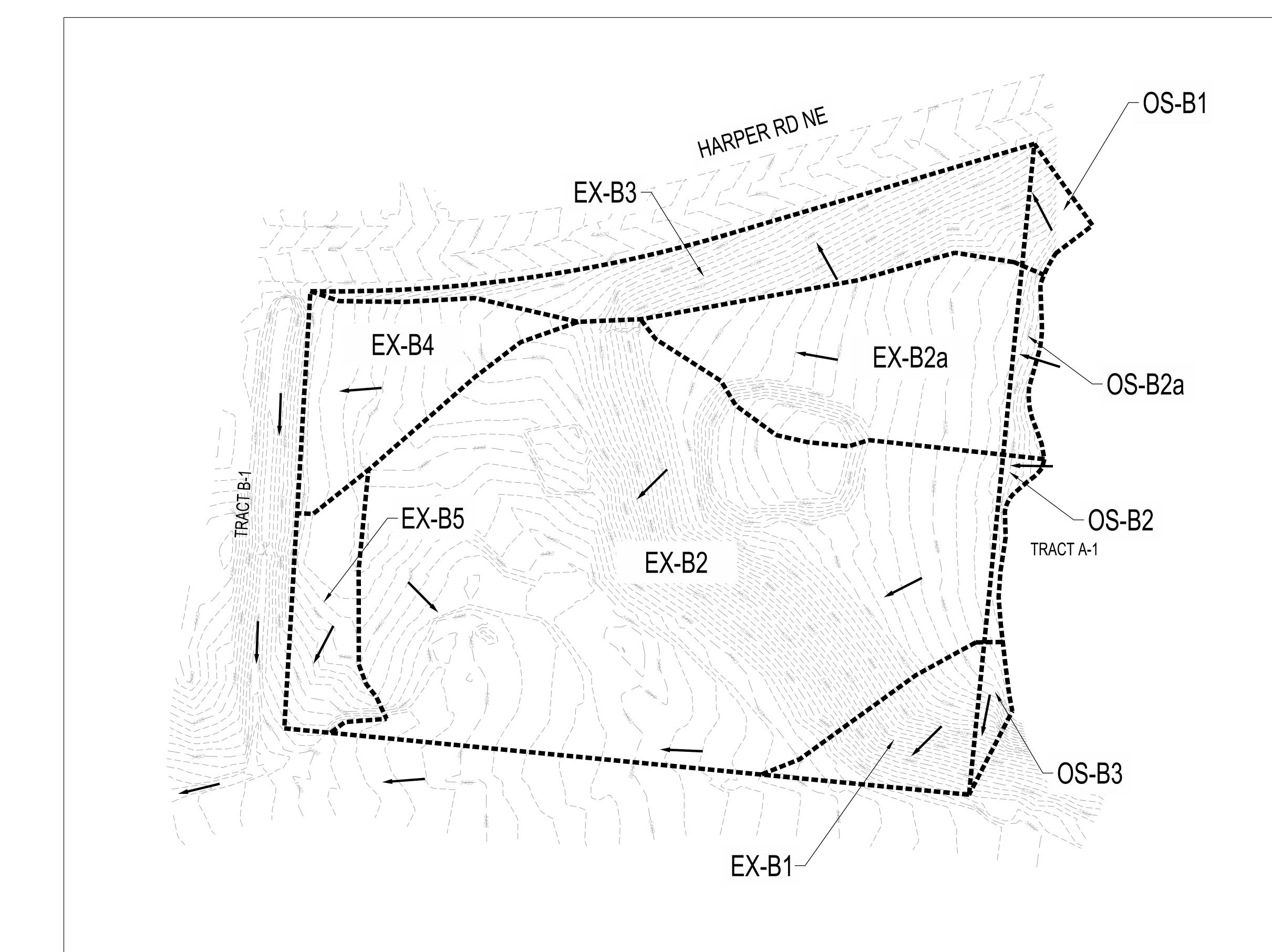
BOHANNAN HUSTON 7500 JEFFERSON STREET NE ALBUQUERQUE, NM 87109

DATE: 2/23/2023 SHEET 5 OF 11







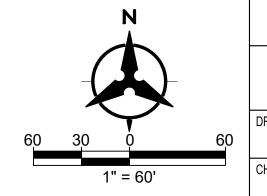




EXISTING BASIN BOUNDARY

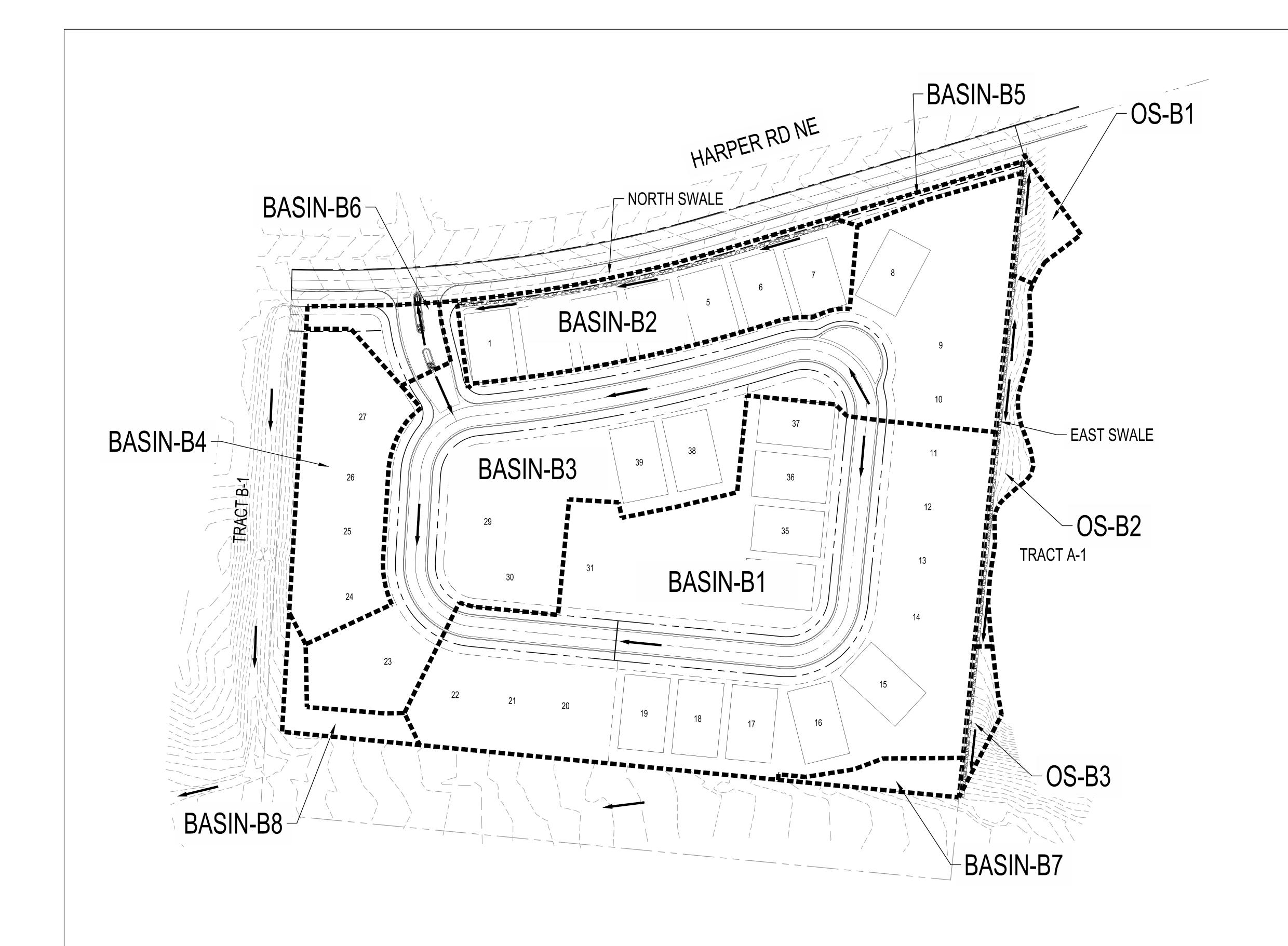
EXISTING CONDITIONS							
BASIN	AREA		% LAND TREATMENT			DISCHAR	GE (CFS)
I.D.	(AC)	Α	В	С	D	10 YR	100YR
EX-B1	0.5	10.0%	90.0%	0.0%	0.0%	0.5	1.3
EX-B2	6.9	80.0%	20.0%	0.0%	0.0%	4.2	13.6
EX-B2a	1.6	80.0%	20.0%	0.0%	0.0%	1.0	3.2
EX-B3	1.3	10.0%	90.0%	0.0%	0.0%	1.3	3.1
EX-B4	1.0	90.0%	10.0%	0.0%	0.0%	0.5	1.8
EX-B5	0.5	90.0%	10.0%	0.0%	0.0%	0.3	1.0
OS-B1	0.1	10.0%	90.0%	0.0%	0.0%	0.1	0.4
OS-B2	0.1	90.0%	10.0%	0.0%	0.0%	0.1	0.2
OS-B2a	0.2	90.0%	10.0%	0.0%	0.0%	0.1	0.3
OS-B3	0.1	10.0%	90.0%	0.0%	0.0%	0.1	0.3
TOTAL	12.4					8.3	25.2

EXISTING DRAINAGE PLAN



HOFFMANTOWN			
AWN BY:	DATE: 10/12/2022		
ECKED BY: YPM	BHI PROJECT NO. SHEET NO. 1		



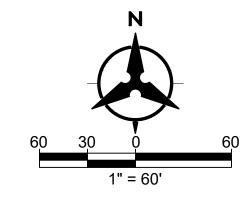




PROPOSED BASIN BOUNDARY

PROPOSED CONDITIONS								
BASIN	AREA	UNITS	% LAND TREATMENT			DISCHAR	GE (CFS)	
I.D.	(AC)	#	Α	В	С	D	10 YR	100YR
Basin B1	5.0	19	0.0%	31.0%	31.0%	38.0%	9.6	17.3
Basin B2	1.1	7	0.0%	31.0%	31.0%	38.0%	2.2	3.9
Basin B3	4.1	9	0.0%	31.0%	31.0%	38.0%	7.9	14.2
Basin B4	0.9	4	0.0%	31.0%	31.0%	38.0%	1.7	3.1
Basin B5	0.1	0	0.0%	50.0%	50.0%	0.0%	0.1	0.2
Basin B6	0.2	0	0.0%	25.0%	25.0%	50.0%	0.5	0.8
Basin B7	0.1	0	0.0%	50.0%	50.0%	0.0%	0.2	0.4
Basin B8	0.2	0	0.0%	50.0%	50.0%	0.0%	0.2	0.5
OS-B1	0.1	0	10.0%	90.0%	0.0%	0.0%	0.1	0.4
OS-B2	0.2	0	90.0%	10.0%	0.0%	0.0%	0.1	0.5
OS-B3	0.1	0	10.0%	90.0%	0.0%	0.0%	0.1	0.3
TOTAL	12.2	39					22.7	41.6

PROPOSED DRAINAGE PLAN



CHECKED BY:

HOFFMANTOWN			
	DATE: 08/31/2022		
	BHI PROJECT NO. 20220092	SHEET NO.	1



V. EXISTING CONDITIONS

Based on the existing topography, the site is broken into four offsite and six onsite basins. The existing basin and drainage patterns are shown graphically on the Existing Drainage Conditions Map in 'EXHIBIT B- Existing Conditions Basin Map'. The site consists of undeveloped land and currently drains from northeast to southwest towards the South Pino Arroyo located along the southern boundary of the site.

Offsite basins are designated as OS-B1, OS-B2, OS-B2a, OS-B3, and onsite basins are designated as EX-B1, EX-B2, EX-B2a, EX-B3, EX-B4, EX-B5 for this report. Offsite basin OS-B1 consists of steeper slopes and flows northwest toward Harper Rd. Basin EX-B3 is similar to OS-B1 and also flows northwest toward Harper Rd.

Offsite flow from basin OS-B2 enters the proposed site from the east and combines with onsite existing basin EX-B2. The existing slopes of basin EX-B2 ranges between 2% to 20% and drains southeast. The runoff ultimately enters the existing South Pino Arroyo.

Similarly, offsite flow from basin OS-B2a enters the proposed site from the east and combines with onsite existing basin EX-B2a. The runoff ultimately enters existing basin EX-B3 and flows northwest toward Harper Rd.

Offsite basin OS-B3 flows southwest and discharges to the South Pino Arroyo. Basin EX-B1 is similar to basin OS-B3 and consists of steeper slopes and also flows southwest toward the South Pino Arroyo.

Onsite existing basin EX-B4 is located at the northwest corner of the property and flows west. Runoff from this basin enters Tract B-1 and follows the natural topography that flows south and ultimately discharges to the existing South Pino Arroyo.

Onsite basin EX-B5 is located at southwest corner of the site. The runoff from this basin flows south and leaves the site from the southwest corner of the property boundary and ultimately discharges to the existing South Pino Arroyo.

Existing conditions for the proposed site show the total existing discharge is 16.4 cfs to the arroyo and 7.0 cfs at Harper Rd.

VI. DEVELOPED CONDITIONS

A. ALLOWABLE

In the proposed conditions, the site has free discharge of the developed flow to the South Pino Arroyo. However, the allowable discharge to Harper Rd from the proposed site is assumed to be the historic flow of 7.0 cfs leaving the site in existing undeveloped condition. Existing inlets on Harper Rd located west of the site boundary, collects the drainage from Harper Rd and discharges into the existing drainage swale on Tract B-1. The flow will then continue south to follow the existing runoff pattern and ultimately to the South Pino Arroyo

B. OFFSITE FLOW MANAGEMENT

As mentioned in the Existing Conditions, the total offsite flow of 0.5 cfs enters the proposed site on its eastern boundary. Ultimately, these flows will be mitigated by installing a lined swale along the eastern property line within the Hoffmantown Park tract. The swale will have a high point which is the same as existing condition and follow the existing drainage pattern which results in directing the entire runoff from OS-B1 and runoff of 0.23 cfs from OS-B2a north towards Harper Rd, and the remaining runoff from OS-B2a, runoff from OS-B2 and OS-B3 south towards the existing South Pino Arroyo. See 'APPENDIX D-Offsite Swale Calculations' for additional information.

C. ONSITE

Hoffmantown is a proposed gated-private single-family residential development with 39 single family residential lots on approximately 12 acres. The proposed development will occur in one phase. Using Section 6-1(A)(2) of the City's DPM, a land treatment was assigned to each onsite basin. Since the number of residential units per acre is less than 6, the percent D land treatment area was determined by "Single Family Residential" equation listed in City's DPM Table 6.2.10. The remaining area was split between land treatments B and C.

Developed flows are calculated for the 100 year – 6 hour storm event and are shown in 'APPENDIX A-Basin Analysis and Summary of Land Treatments'. The developed flows from the subdivision will be conveyed by the internal private streets and proposed private storm drain networks to the existing arroyo and will have free discharge. The private storm

drain system will utilize a stormwater quality inlet\manhole to collect any debris prior to discharging into the South Pino Arroyo. The Onsite Proposed Basin Map, EXHIBIT C, illustrates the basin locations and flow directions for the proposed development as well as the proposed street configurations for the subdivision.

In the developed condition, the entire subdivision is divided into eight onsite basins, Basin-B1 to Basin-B8. The proposed grading has two waterblocks, one at the northeast corner of the subdivision between Lots 10-11 and the other one at the middle of the entrance road to ensure the offsite flow from Harper Rd does not enter the subdivision and goes to the designated existing inlet located north of Tract B-1.

There is a proposed low point located south of Lot 30. The runoff from Basin-B1 flows southwest through the street network toward the low point.

Proposed Basin-B2 consists of lots that drain back towards the back boundary along Harper Rd. A 5' swale is proposed that is designed to carry the developed flow west and daylights west of Lot 1.

The runoff from Basin-B2 enters into Basin-B3. The combined runoff from these two basins flow to the proposed low point through the street network. Two inlets have been proposed in the sump condition to capture the entire developed flow from Basin-B1, Basin-B2, and Basin-B3, and free discharge to the existing South Pino Arroyo.

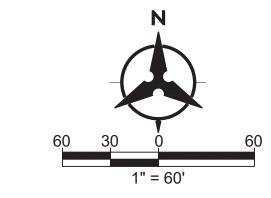
Basin-B4 consists of 4 lots that drain back to the west and free discharges to the existing drainage swale located in Tract B-1. Turnblocks and cobble rundowns have been proposed for safe discharge of the developed flow to the existing drainage swale.

Basin-B5 and Basin-B6 drain north to Harper Rd. The total runoff from these two basins is 1.0 cfs which is less than the historic flow of 3.5 cfs from the site. Therefore, the runoff from the developed site to the Harper Rd will have no negative impact to downstream infrastructure. The flow will ultimately be collected by existing inlets just west of our entrance road and discharge to the South Pino Arroyo via drainage swale located in Tract B-1.

Basin-B6 and Basin-B7 drain south. The runoff from these two basins will follow the existing terrain and free discharge to South Pino Arroyo.

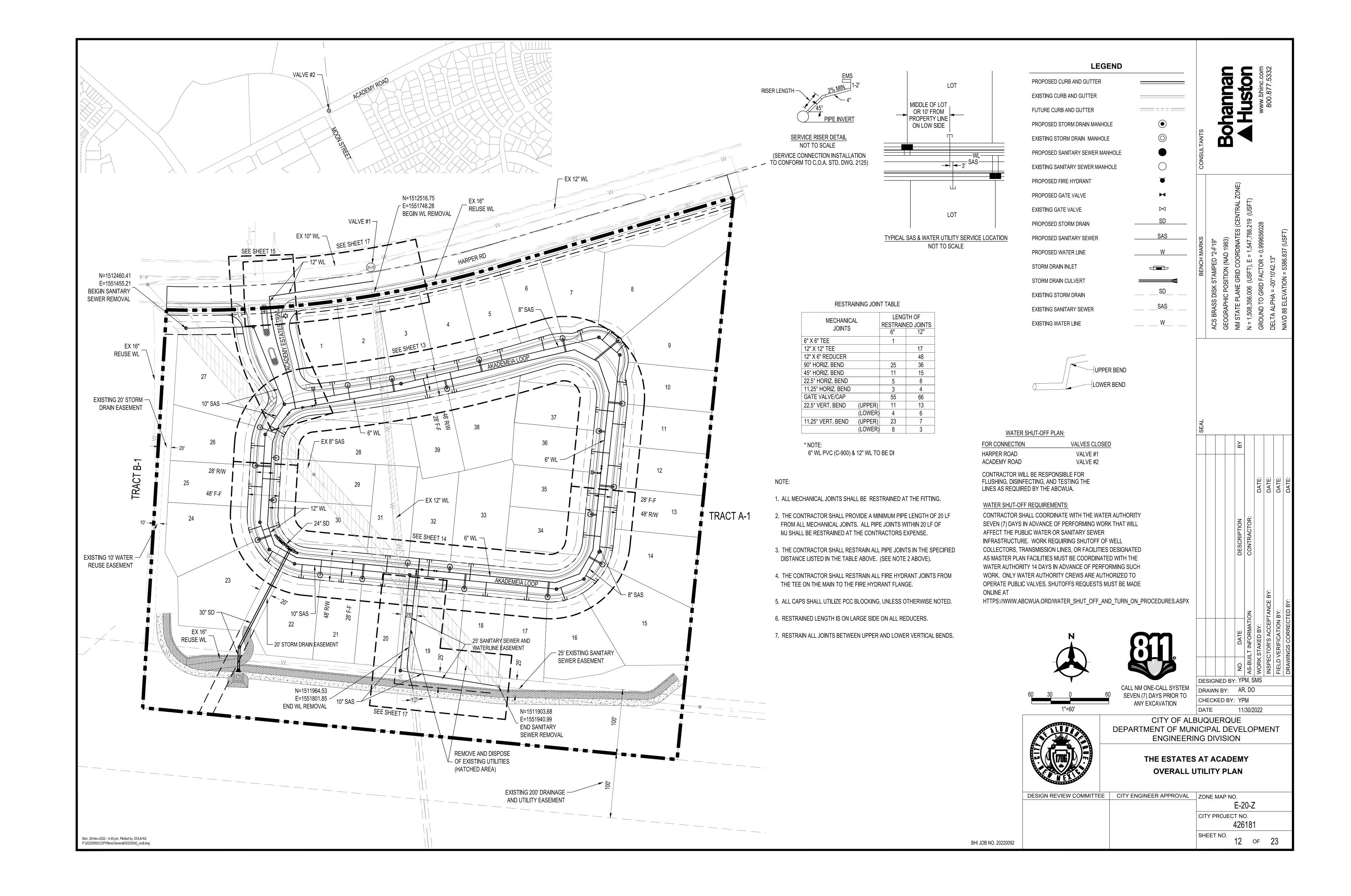
"EXHIBIT D- Inlet and Storm Drain Network Plan', shows the flow, street grade, water depth, flow captured, and type of each inlet and the size, slope, flow, and capacity of the storm drain system. All upstream flows were within the depth of flow in the street and does not exceed the curb height nor the energy grade line does not exceed at the right of way (ROW) of any street. At the downstream end, an inlet in sump condition that captures all the developed flows.

PROPOSED DRAINAGE PLAN



HOFFMANTOWN				
RAWN BY:	DATE: 08/31/2022			
HECKED BY: YPM	BHI PROJECT NO. 20220092 SHEET NO. 1			









PROPOSED CURB AND GUTTER	
EXISTING CURB AND GUTTER	
FUTURE CURB AND GUTTER	====
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PROPOSED FIRE HYDRANT	•
PROPOSED GATE VALVE	H
EXISTING GATE VALVE	\bowtie
PROPOSED STORM DRAIN	SD
PROPOSED SANITARY SEWER	SAS
PROPOSED WATER LINE	W
STORM DRAIN INLET	
STORM DRAIN CULVERT	
EXISTING STORM DRAIN	SD
EXISTING SANITARY SEWER	SAS

LEGEND



EXISTING WATER LINE

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Final Audit Report 2023-04-07

Created: 2023-04-05

By: Jay Rodenbeck (jrodenbeck@cabq.gov)

Status: Signed

Transaction ID: CBJCHBCAABAAuHktiVxXU0vqMbzc8PBbdTIXN1HoZ4AD

"PR-2018-001560_SI-2023-00554_Site_Plan_Approved_3-29-23 _Sheet_1" History

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Created: 2023-04-11

By: Jay Rodenbeck (jrodenbeck@cabq.gov)

Status: Signed

Transaction ID: CBJCHBCAABAAFVW9yCLya2M7x_32pH9cjErCW2alxZZ2

"PR-2018-001560_SI-2023-00554_Site_Plan_Approved_3-29-23 _Sheet_1" History

- Document created by Jay Rodenbeck (jrodenbeck@cabq.gov) 2023-04-11 9:31:04 PM GMT- IP address: 143.120.132.76
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