

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

May 18, 2020

Scott McGee, PE
Scott M. McGee PE, LLC
9700 Tanoan Dr. NE
Albuquerque, NM 87111

RE: **Albuquerque School of Excellence
6316 Tesuque NW
Grading and Drainage Plan
Engineers Stamp Date 5/15/2020 (E10D077)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 5/18/2020, this plan is approved for Grading.

PO Box 1293

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

Albuquerque

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.

NM 87103

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained with the approved G&D plan and Pad Certification. Also, if a swimming pool is to be placed the grading and drainage plan will change and will need to be resubmitted.

www.cabq.gov

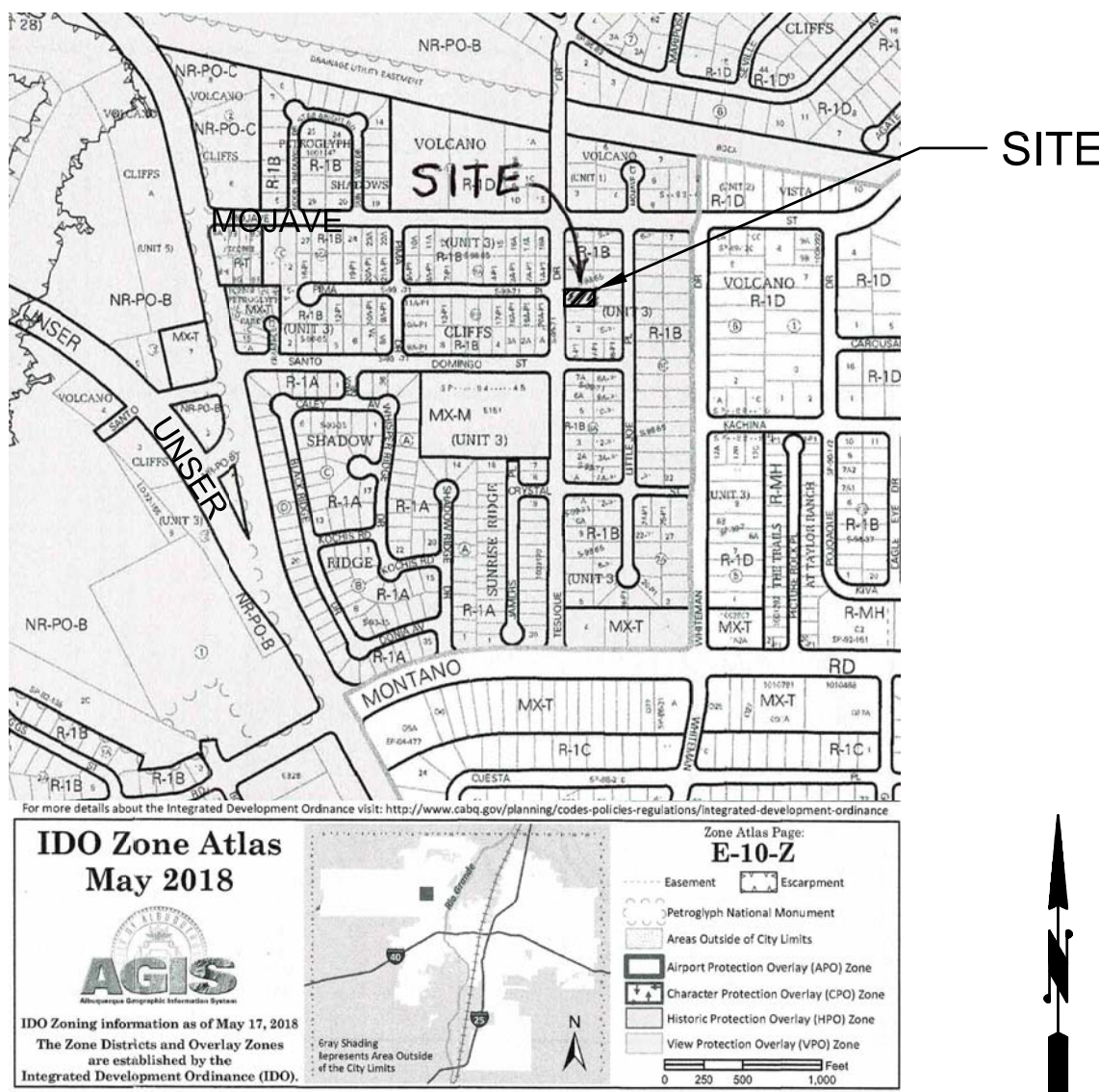
Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

Sincerely,

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

RR/EA
C: File



VICINITY MAP E-10

LEGEND

- EXISTING CONTOUR
- NEW CONTOUR
- FF=5181.00 PROPOSED BUILDING FINISH FLOOR ELEV
- NEW SPOT ELEVATION
- NEW CONSTRUCTION
- RD ROOF DRAIN
- TC TOP OF CURB

DRAINAGE ANALYSIS

LEGAL: Lot 4, Block 8B Volcano Cliffs Subdivision Unit 3, Albuquerque, NM
ADDRESS: 6316 Tesuque Drive NW
AREA: 0.1767 acres (7,697 sf)

FLOOD HAZARD: From FEMA Panel 35001C0112G (9/26/08), this site is shown as being within Zone 'X' an area of minimal flood hazard which is located outside the 0.2% annual chance floodplain

EXISTING CONDITIONS: The undeveloped site is a relatively flat residential lot bounded by existing houses to the south and east and a vacant lot to the north. Tesuque Drive is a paved public street running along the west side of the site.

OFFSITE FLOW: No offsite flows enter the site.

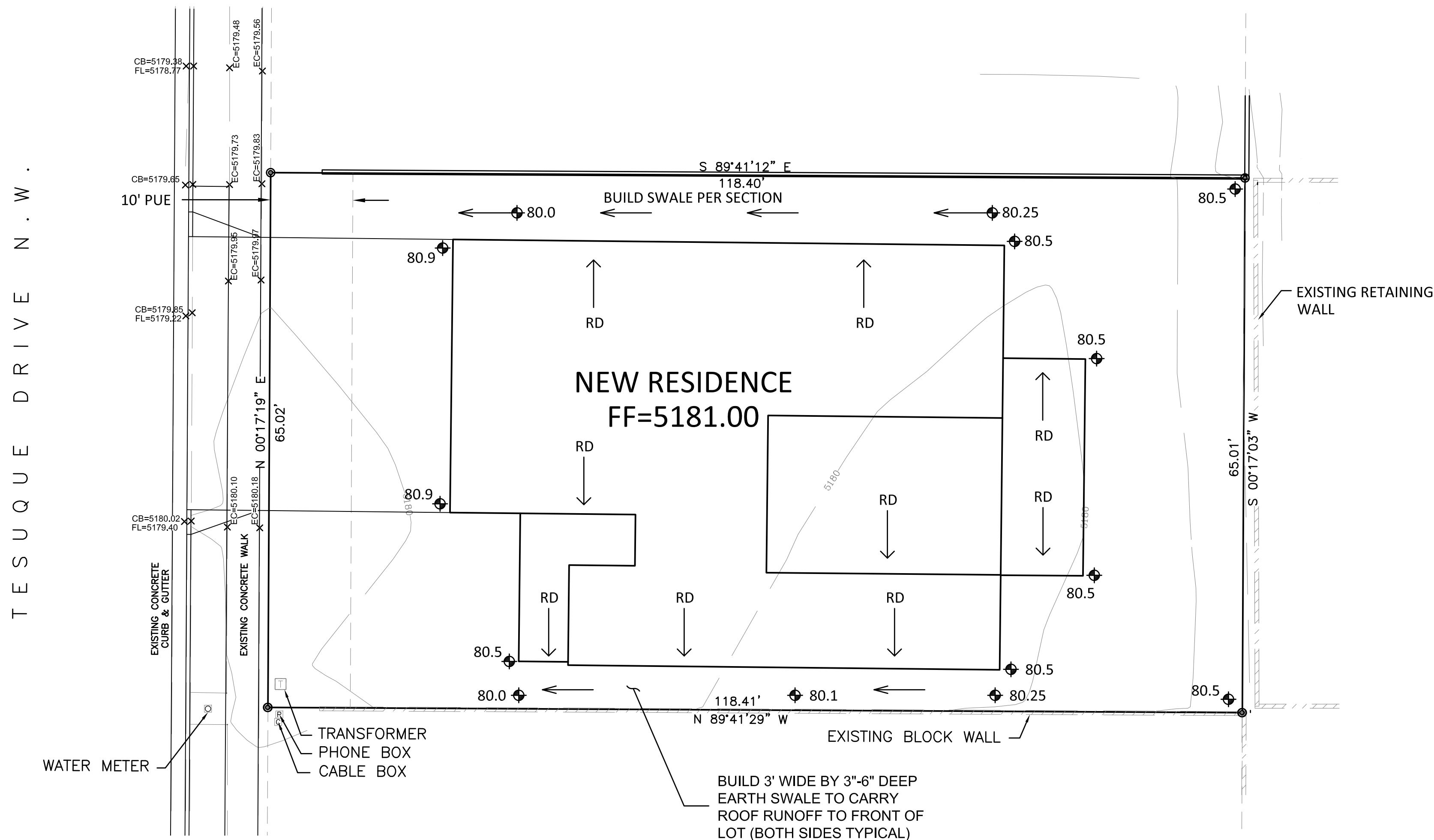
PROPOSED IMPROVEMENTS: The proposed improvements include a residence and associated landscaping. A concrete drive is proposed between the street and the building. Developed roof runoff will be directed to the west with roof drains located as shown on the building.

DRAINAGE APPROACH: The proposed drainage plan will direct flow to the west to discharge to the street. Runoff will be carried overland on proposed landscaping.

DRAINAGE CALCULATIONS: Based on hydrologic Zone 1
Existing land treatment: 100% compacted dirt land treatment 'C'
 $Q_{100} = (0.1767)(2.87) = 0.5 \text{ CFS}$

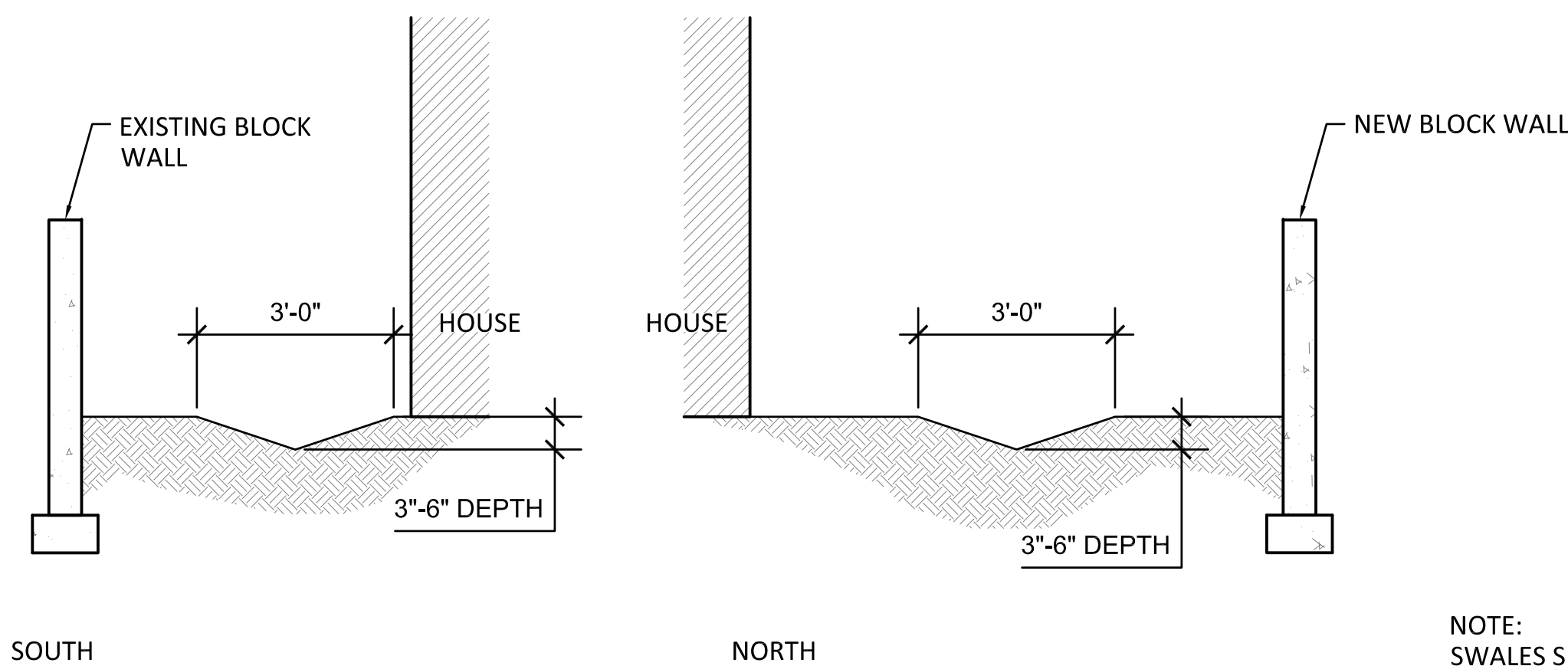
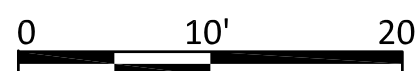
Proposed land treatment: 10% turf, 45% xeric and 45% impervious
 $Q = [(0.1)(1.29) + (0.45)(2.87) + (.45)(4.37)](0.1767) = 0.6 \text{ CFS}$

With the proposed development, this minor runoff is accounted for and the impact to downstream drainage facilities has already been addressed.



GRADING AND DRAINAGE PLAN

1" = 10'



NOTE:
SWALES SHALL HAVE 2"
DEPTH GRAVEL SURFACING

SIDEYARD SWALES

N.T.S.



Scott M McGee PE

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