

# CITY OF ALBUQUERQUE

*Planning Department*  
Alan Varela, Director



*Mayor Timothy M. Keller*

March 18, 2022

Megan Palmer, P.E.  
Barghausen Consulting Engineers, Inc.  
18215 72<sup>nd</sup> Avenue South  
Kent, WA 98032

RE: **Costco**  
**500 Eubank Blvd. SE**  
**Grading and Drainage Plan - Approved**  
**Engineers Stamp Date 12/1/2021 (L21D073)**

Ms. Palmer,

Based upon the information provided in your submittal received 3/3/22, this plan will not require any further review by Hydrology as the amount of paving being disturbed and replaced are below our threshold requiring review and is approved for Grading Permit and Administrative Amendment.

PO Box 1293

Albuquerque

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

NM 87103

Sincerely,

www.cabq.gov

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





# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** Eubank Blvd ADA **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** NA

**City Address:** 500 Eubank Blvd SE

**Applicant:** Barghausen Consulting Engineers, Inc. **Contact:** Megan Palmer

**Address:** 18215 72nd Avenue South, Kent, WA 98032

**Phone#:** 425-656-1072 **Fax#:** 425-251-8782 **E-mail:** mpalmer@barghausen.com

**Other Contact:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ PLAT (# of lots) \_\_\_\_\_ RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE

IS THIS A RESUBMITTAL? \_\_\_\_\_ Yes ☒ No

**DEPARTMENT** \_\_\_\_\_ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

Check all that Apply:

### TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
- ☐ PAD CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN
- ☒ GRADING PLAN
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE MASTER PLAN
- ☐ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- ☐ ELEVATION CERTIFICATE
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ TRAFFIC IMPACT STUDY (TIS)
- ☐ STREET LIGHT LAYOUT
- ☐ OTHER (SPECIFY) \_\_\_\_\_
- ☐ PRE-DESIGN MEETING?

### TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ SITE PLAN FOR O APPROVAL
- ☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
- ☐ FOUNDATION PERMIT APPROVAL
- ☒ GRADING PERMIT APPROVAL
- ☐ SO-19 APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ GRADING/ PAD CERTIFICATION
- ☐ WORK ORDER APPROVAL
- ☐ CLOMR/LOMR
- ☐ FLOODPLAIN DEVELOPMENT PERMIT
- ☐ OTHER (SPECIFY) \_\_\_\_\_

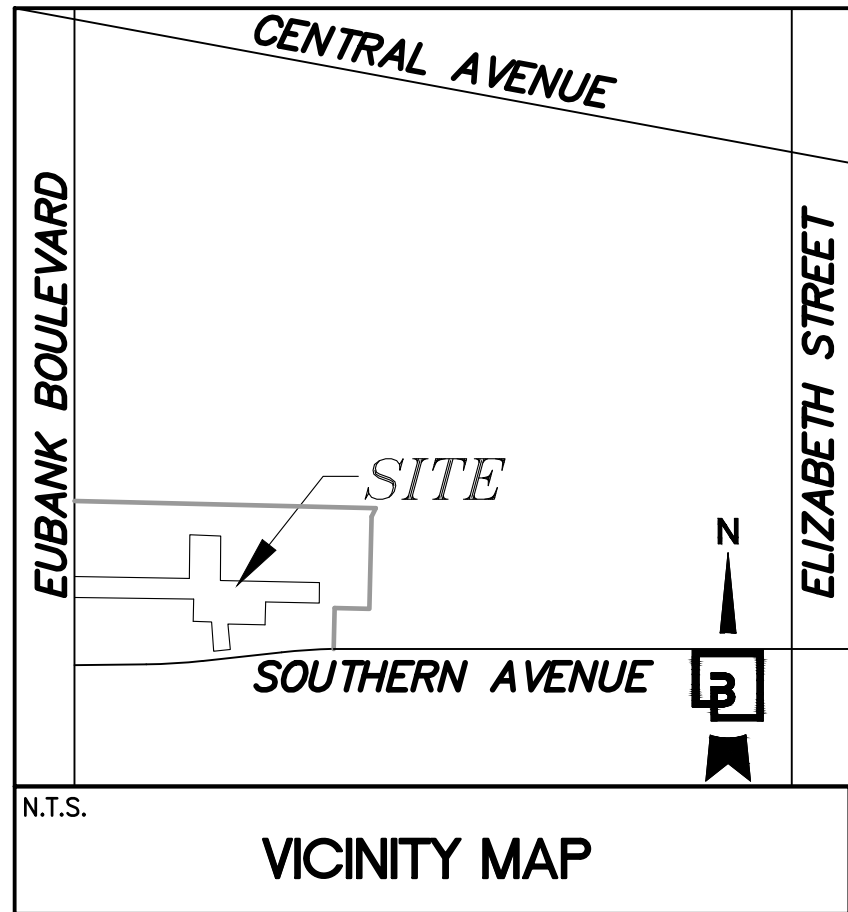
**DATE SUBMITTED:** \_\_\_\_\_ **By:** \_\_\_\_\_

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_





GENERAL SITE DEVELOPMENT NOTES:

1. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
2. CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
6. INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
7. PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MINIMUM ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
8. THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS, ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.
12. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC.
13. CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS, INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.

MONUMENT PROTECTION NOTE:

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM ANY JURISDICTIONS HAVING AUTHORITY FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY. UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.



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Or 1-800-892-0123

BASIS OF ELEVATIONS:

4" CITY OF ALBUQUERQUE BRASS DISK, STAMPED "ACS BM 5-K20", EPOXYED TO THE TOP OF CONCRETE CURB LOCATED IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF MOON STREET AND CENTRAL AVENUE NE, HAVING AN ELEVATION OF 5429.99' NAVD 88.

BASIS OF BEARINGS:

NAD 83, NEW MEXICO STATE PLANE CENTRAL ZONE AS MEASURED USING CITY OF ALBUQUERQUE BENCHMARKS 5\_K20 AND 13\_K20.

FEMA FLOODPLAIN:

THE SUBJECT SITE IS LOCATED WITHIN ZONE X (FEMA FIRM NO. 35001C0359G, DATED SEPTEMBER 26, 2008 AND FEMA FIRM NO. 35001C0358H, DATED AUGUST 16, 2012).

SITE PLAN NOTE:

A SITE PLAN PREPARED BY MG2 HAS BEEN PROVIDED TO BARGHAUSEN CONSULTING ENGINEERS, INC. BARGHAUSEN CONSULTING ENGINEERS, INC. HAS NOT VERIFIED THAT THE SITE PLAN IS COMPLIANT WITH ALL CITY OR COSTCO STANDARDS.

# COSTCO WHOLESALE

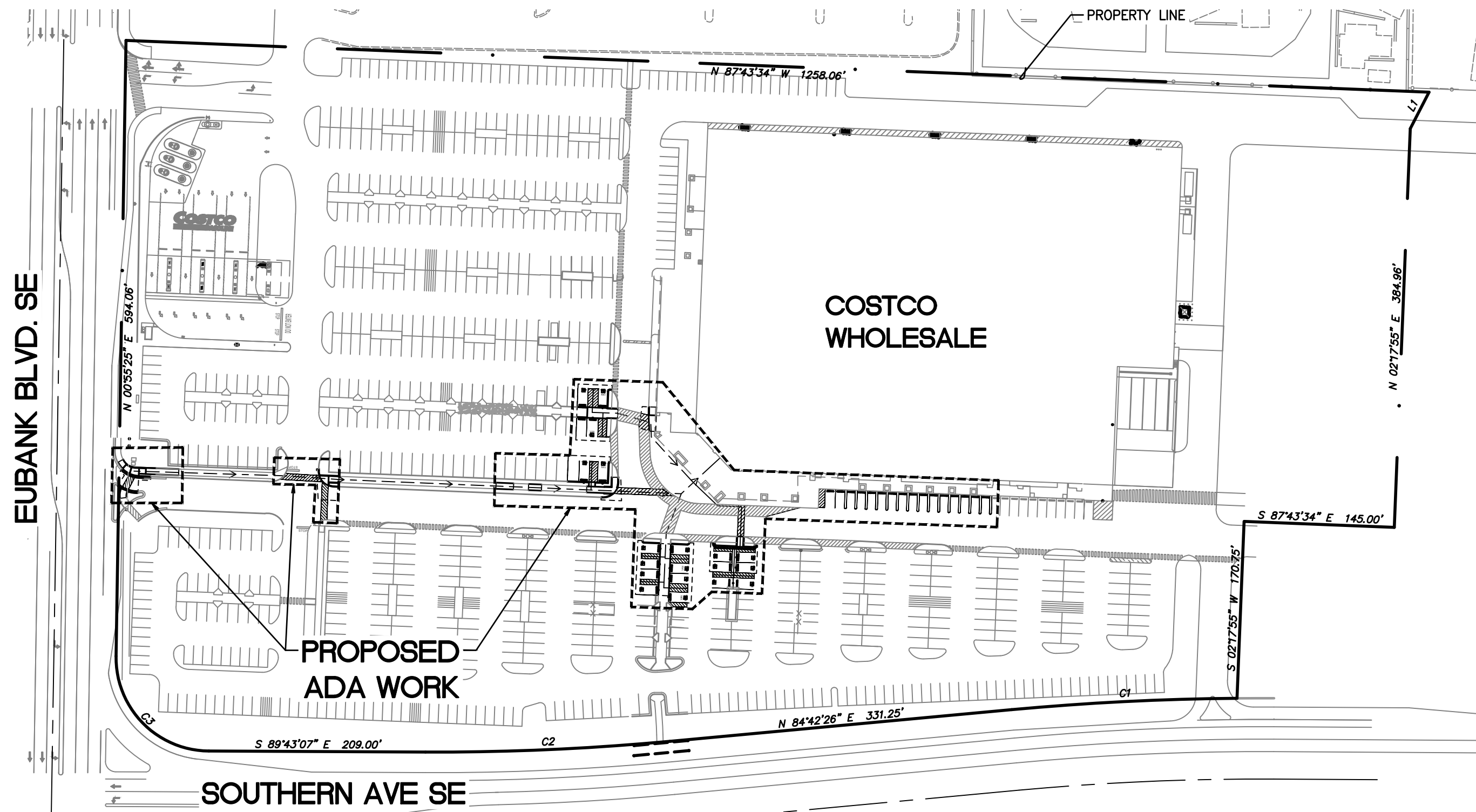
## COVER SHEET

### ADA SITE IMPROVEMENTS

#### 500 EUBANK BLVD. SE

#### ALBUQUERQUE, NM 87123

#### COSTCO WAREHOUSE #667



LEGEND

	EXISTING CONCRETE		PROPOSED CONCRETE
	EXISTING CURB		PROPOSED FULL-DEPTH ASPHALT
	EXISTING EDGE OF PAVEMENT		PROPOSED HEAVY DUTY FULL-DEPTH ASPHALT
	EXISTING CANOPY DRIPLINE		
	EXISTING STORM DRAIN		PROPOSED BARRIER CURB
	EXISTING WATER LINE		ACCESSIBLE PATH OF TRAVEL
	EXISTING STORM DRAIN MANHOLE		SAWCUT LINE
	EXISTING CATCH BASIN		PROPOSED SPOT GRADE
	EXISTING LOT LIGHT		PROPOSED GRADE LABEL
	EXISTING STORM CLEANOUT		MATCH EXISTING GRADE
	EXISTING SIGN		PROPOSED TOP OF CURB/ TOP OF PAVEMENT
	EXISTING TELECOM LINE		
	EXISTING SANITARY SEWER		EXISTING MINOR CONTOUR
	EXISTING POWER		EXISTING MAJOR CONTOUR
	EXISTING TREE		PROPOSED MAJOR CONTOUR
	EXISTING TRANSFORMER		PROPOSED MINOR CONTOUR
	EXISTING FIRE HYDRANT		

PROJECT TEAM:

OWNER

COSTCO WHOLESALE  
999 LAKE DRIVE  
ISSAQUAH, WA 98027

CIVIL ENGINEER

BARGHAUSEN CONSULTING ENGINEERS, INC.  
18215 72ND AVE. S.  
KENT, WA 98032  
PHONE: (425) 251-6222  
FAX: (425) 251-8782  
CONTACT: MEGAN E.S. PALMER

SURVEYOR

SUPERIOR SURVEYING SERVICES, INC.  
2122 W. LONE CACTUS DRIVE, SUITE 11  
PHOENIX, AZ 85027  
PHONE: (623) 869-0223  
FAX: (623) 869-0726  
CONTACT: RANDY DELBRIDGE

ARCHITECT

MG2  
1101 SECOND AVENUE, SUITE 100  
SEATTLE, WA 98101  
PHONE: (206) 962-6500  
FAX: (206) 962-6499  
CONTACT: ALISON MCCLELLAN

SHEET INDEX

- C1.0 - COVER SHEET
- C1.1 - STANDARD NOTES
- C1.2 - EXISTING CONDITIONS MAP
- C1.3 - EXISTING CONDITIONS MAP
- C1.4 - EXISTING CONDITIONS MAP
- C2.0 - TESC AND DEMOLITION PLAN
- C3.0 - SITE PLAN
- C4.0 - GRADING PLAN
- C5.0 - CONSTRUCTION DETAILS

GRADING AND DRAINAGE NARRATIVE:

THE SITE IS CURRENTLY DEVELOPED WITH AN EXISTING COSTCO WAREHOUSE, FUEL FACILITY, PARKING, STORMWATER FACILITIES, AND LANDSCAPING. STORMWATER RUNOFF FROM THE DISTURBED AREA IS DETAINED ON-SITE IN PARKING LOT PONDS AND THEN CONVEYED THROUGH A CLOSED CONVEYANCE SYSTEM TO THE STORM SYSTEM IN EUBANK BOULEVARD. THE EXISTING STORM SYSTEM WAS DESIGNED IN THE ORIGINAL WAREHOUSE SITE PLAN DATED FEBRUARY 15, 2000. EXISTING GRADES WITHIN THE PAVED AREAS ARE RELATIVELY FLAT WITH SLOPES RANGING FROM 0.5 TO 4 PERCENT.

THE PROPOSED IMPROVEMENTS TO THE COSTCO PARKING LOT INCLUDE RELOCATING AND REPAVING ADA STALLS AND REPAVING RAMPS, AND SIDEWALKS WITHIN THE DESIGNATED PATH OF ACCESSIBILITY TO UPGRADE THE PARKING LOT TO LATEST ADA STANDARDS. ADDITIONAL PARKING LOT RELATED SITE IMPROVEMENTS INCLUDE REMOVING AND REPLACING TREES PER THE CITY OF ALBUQUERQUE STANDARDS.

THE PROPOSED IMPROVEMENTS WILL RESULT IN A MINOR NET INCREASE OF 160 SQUARE FEET OF IMPERVIOUS AREA ON THE SITE TO ACCOMMODATE FOR ADA STANDARDS, GIVEN THE LIMITED SCOPE AND NEGLIGIBLE IMPACT TO THE NET IMPERVIOUS AREA, THE IMPROVEMENTS ARE NOT ANTICIPATED TO NEGATIVELY IMPACT THE EXISTING STORM SYSTEM.

THE SUBJECT SITE IS NOT LOCATED WITHIN A FLOOD ZONE PER FEMA FIRM NO. 35001C0138H DATED AUGUST 16, 2012.

EXISTING TOPOGRAPHY/SURVEY INFORMATION NOTE:

A TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY SUPERIOR SURVEY SERVICES, INC. DATED JULY 2, 2020, HAS BEEN PROVIDED AS THE EXISTING CONDITIONS MAP TO BARGHAUSEN CONSULTING ENGINEERS, INC. BARGHAUSEN CONSULTING ENGINEERS, INC. HAS NOT VERIFIED THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED. THE SITE DESIGN HAS BEEN BASED ON THE ABOVE-NOTED SURVEYS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN CONSULTING ENGINEERS, INC.

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POT-HOLES THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POT-HOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

Job Number  
**10987**

Sheet  
**C1.0**

Date  
**9**

For

**Barghausen Consulting Engineers, Inc.**  
18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222  
**barghausen.com**

COSTCO WHOLESALE  
999 LAKE DRIVE  
ISSAQUAH, WA 98027

**COVER SHEET**  
500 EUBANK BLVD. SE  
ALBUQUERQUE, NM 87123  
COSTCO WAREHOUSE #667





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# STANDARD NOTES

## ADA SITE IMPROVEMENTS

### 500 EUBANK BLVD SE

### ALBUQUERQUE, NM 87123

### COSTCO WAREHOUSE #667

#### CITY OF ALBUQUERQUE GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE #9, REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS."
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR PUBLIC EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS ISSUED BY THE CITY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROTECTION OF PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650, SUBPART "P".
- AN EXCAVATION / CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER (OR CITY PROJECT MANAGER) NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS/HER OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATION SECTION 4.4.
- FOR CIP PROJECTS: SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO DMD, CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE DMD, CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRIADAGE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS. PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL ASSIST THE ENGINEER / INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND APPURTENANCES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS-BUILT" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES OR APPURTENANCES UNTIL ALL DATA HAVE BEEN RECORDED.
- CONTRACTOR SHALL ASSUME FINANCIAL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, SIGNAGE, CURB & GUTTER, A.D.A. RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE, PER THE STANDARD SPECIFICATIONS, ANY SUCH DAMAGE.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY AND OTHER JURISDICTIONAL AUTHORITIES WHERE APPLICABLE.

#### WATER AND SEWER:

- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. EXISTING VALVES AND MANHOLES SHALL NOT BE BURIED OR PAVED OVER; RIMS SHALL BE ADJUSTED TO MATCH NEW GRADE PER C.O.A. STANDARD DRAWINGS 2460 AND 2461.
- MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND FLANGE ELEVATIONS SHOWN ARE APPROX-MATE. CONTRACTOR SHALL FIELD-VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
- THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER-PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY FOURTEEN (14) DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ON LINE AT: [http://abcwa.org/WATER\\_SHUT\\_OFF\\_AND\\_TURN\\_ON\\_PROCEEDURES.ASPX](http://abcwa.org/WATER_SHUT_OFF_AND_TURN_ON_PROCEEDURES.ASPX)
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND / OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. CONTRACTOR SHALL COORDINATE RELOCATION OF UTILITY LINES WITH AFFECTED UTILITY COMPANIES AS REQUIRED.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECT-ORIZED PAVEMENT MARKING BY CONTRACTOR AT THE SAME LOCATION AS EXISTING OR AS INDICATED ON THIS PLAN SET.
- REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
- ANY DAMAGE TO THE EXISTING CURB & GUTTER, PAVEMENT, SIDEWALKS, STRIPING, OR SIGNAGE DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.

#### TRANSPORTATION:

- CURB & GUTTER, SIDEWALKS, AND DRIVEPADS SHALL MATCH THE LINE AND GRADE OF ABUTTING EXISTING AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
- THE SUBGRADE PREPARATION SHALL EXTEND ONE (1) FOOT BEYOND THE FREE EDGE OF NEW CURB & GUTTER AND SIDEWALK.
- CONTRACTOR SHALL TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE TWO FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50, OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
- AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-CUT EDGES SHALL BE STRAIGHT AND CLEAN, AND LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN WHEEL PATHS. PATCHES SHALL BE REGULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLOVER OF ASPHALT OR TACK COAT. CARE MUST BE TAKEN TO AVOID DAMAGING THE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENT; IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.
- CONTRACTOR WILL ENSURE THE ASPHALT HAS A SMOOTH, UNIFORM EDGE WHEN REMOVING AND REPLACING CURB & GUTTER. IF THE ASPHALT EDGE IS NOT SMOOTH AND UNIFORM, CONTRACTOR SHALL SAW-CUT AND REPLACE A ONE-FOOT STRIP OF ASPHALT ALONG THE FULL SECTION BEING REPLACED, REFER TO C.O.A. STANDARD DRAWING No. 2465 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.
- TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE TRANSIT DEPARTMENT OF ANY IMPACT THE PROJECT WILL HAVE ON THE TRANSIT SYSTEM, SUCH AS CAUSING A DETOUR OR THE CLOSURE OR RELOCATION OF A BUS STOP. THE CONTACT PERSON IS DOUGLAS COFF, OFFICE PHONE 724-3137, CELL PHONE 206-0151, OR E-MAIL: [DOOFC@CABQ.GOV](mailto:DOOFC@CABQ.GOV)

#### OTHER COMMON NOTES:

- RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATION. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF THE PIPE. RCP JOINTS SHALL NOT BE GROUDED UNLESS DIRECTED BY THE ENGINEER WITH CITY APPROVAL.
- CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL DETERMINE IN ADVANCE OF CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, GUYS, ETC., ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTIONS TO CONSTRUCTION OPERATIONS ARE PRESENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PNM WILL PROVIDE, AT NO COST TO THE CITY OR THE CONTRACTOR, THE NECESSARY PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY. LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION BEGINS.
- THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. CONTRACTOR SHALL FIELD-VERIFY THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS/HER FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES.
- CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITIES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO STORM SEWER, WATER LINE, AND/OR SEWER LINE COSTS.
- CONTRACTOR SHALL SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES, COMMUNICATION CABLES, AND CABLE-TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE SHALL BE SUPPORTED AT A MAXIMUM SPACING OF FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE ANY NECESSARY PAYMENT TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES, OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- ALL FINAL BACKFILL FOR TRENCHES WITHIN THE COA RIGHT-OF-WAY SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING No. 2465.
- CONTRACTOR SHALL PROMPTLY CLEAN UP ANY EXCAVATED MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS TO PREVENT ANY EXCAVATED MATERIAL BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPT-ABLE MANNER AT A LOCATION ACCEPTABLE TO THE PROJECT MANAGER. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.
- CONTRACTOR SHALL CONDUCT ALL WORK IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC. WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED, AND RE-SET BY THE CONTRACTOR.
- IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PRE-HISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER SHALL NOTIFY THE COUNTY OFFICE OF THE MEDICAL EXAMINER AT 272-3053. IF THE MEDICAL EXAMINER DETERMINES THAT HUMAN REMAINS ARE NOT PRESENT, THE CONSTRUCTION ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT 827-8320.
- IF OBJECTS OF HISTORICAL, ARCHEOLOGICAL, PALEONTOLOGICAL, OR OTHER OBJECTS OF ANTIQUITY ARE ENCOUNTERED, CONTRACTOR SHALL CEASE OPERATIONS AND IMMEDIATELY NOTIFY OWNER AND PROJECT ENGINEER.

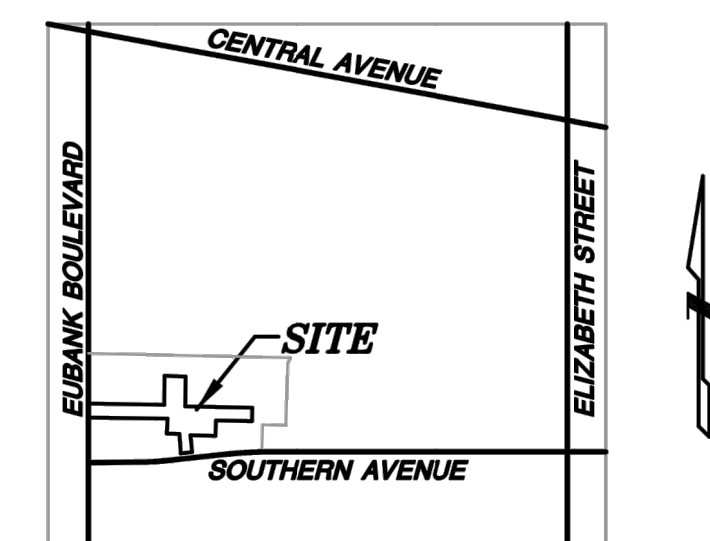
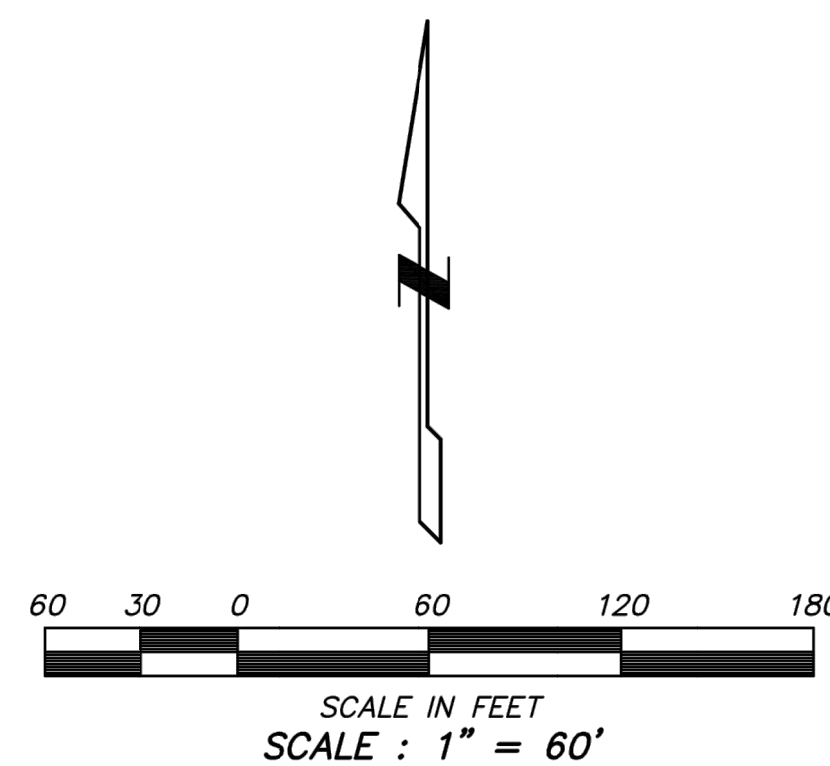
#### UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

Job Number <b>10987</b>		Sheet <b>C11</b>		of <b>9</b>	
Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 <a href="http://barghausen.com">barghausen.com</a>				For 	
Scale: Horizontal N/A Vertical N/A		Designed LHM Drawn LHM Checked MESF Approved JHFS Date 10/20/20		The: <b>STANDARD NOTES</b> <b>500 EUBANK BLVD. SE</b> <b>ALBUQUERQUE, NM 87123</b> <b>COSTCO WAREHOUSE #667</b>	
10987		10987		10987	



**OF A PORTION OF THE NORTHWEST QUARTER OF SECTION 28,  
TOWNSHIP 10 NORTH, RANGE 4 EAST OF THE NEW MEXICO  
PRINCIPAL BASE AND MERIDIAN, BERNALILLO COUNTY,  
NEW MEXICO**



***VICINITY MAP***  
***NOT TO SCALE***

OWNER

A.P.N.: 102105606037420201  
OWNER: COSTCO WHOLESALE CORPORATION PROPERTY TAX DEPT 667  
DEED: 2020-012853 020720 B.C.R.

**NOTES**

- 1) This survey has been prepared without the benefit of a title report, and is subject to all easements of record.
- 2) The basis of bearing is NAD 83, New Mexico State Plane Central Zone as measured using City of Albuquerque benchmarks 5\_K20 and 13\_K20.
- 3) The Benchmark used for this survey is the 4" City of Albuquerque brass disk, stamped "ACS BM 5-K20", expoxied to the top of concrete curb located in the northeast quadrant of the intersection of Moon Street and Central Avenue NE, having an elevation of 5429.99' NAVD 88.
- 4) The number of striped parking spaces on the subject property are as follows:  
Regular: 804  
Handicapped: 20  
Total: 824
- 5) According to FEMA Flood Insurance Rate Map, Map Number 35001C0359G, dated September 26, 2008, and Map Number 35001C0359H, dated August 12, 2012, the subject property is located in Zone X, Zone X defined as "Areas determined to be outside the 0.2% annual chance floodplain".
- 6) The Surveyor has not obtained any information relating to, and has no knowledge of any proposed right of ways, easements, or dedications that any municipality, individual or governmental agency may require.
- 7) Use of the information contained in this instrument for other than the specific purpose for which it was intended is forbidden unless expressly permitted in writing in advance by Superior Surveying Services, Inc. Superior Surveying Services, Inc. shall have no liability for any such unauthorized use of this information without their written consent.

## CERTIFICATION

I, Randy S. Delbridge, hereby certify that I am a registered land surveyor in the State of New Mexico and that the survey shown hereon was completed under my direct supervision during the month of July, 2020, and is true and correct to the best of my knowledge and belief and the monuments shown actually exist.

Randy S. Delbridge  
R.L.S. #42137



EXPIRES 12/31/20

LINE	BEARING	DISTANCE
11	S 27°13'23" W	39.54'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	2578.00'	217.66'	217.60'	S 87°06'48" W	4°50'15"
C2	2422.00'	236.00'	235.91'	N 87°29'03" E	5°34'59"
C3	90.00'	142.38'	127.99'	S 44°23'51" E	90°38'30"

### LEGEND

- BOUNDARY LINE  
 --- CENTER LINE OR MONUMENT LINE  
 ⊗ INDICATES BOUNDARY CORNER  
 NOTHING FOUND OR SET  
 (UNLESS OTHERWISE NOTED)

REVISIONS	DESCRIPTION
-----------	-------------

DATE \_\_\_\_\_

TOPOGRAPHIC SURVEY  
500 EUBANK BOULEVARD SE  
ALBUQUERQUE, NM 87123

2122 W. Lone Cactus Drive, Suite 11  
Phoenix, AZ 85027  
623-869-0223 (office) 623-869-0726 (fax)  
www.superiorsurveying.com  
info@superiorsurveying.com



**SUPERIOR**  
SURVEYING SERVICES, INC.

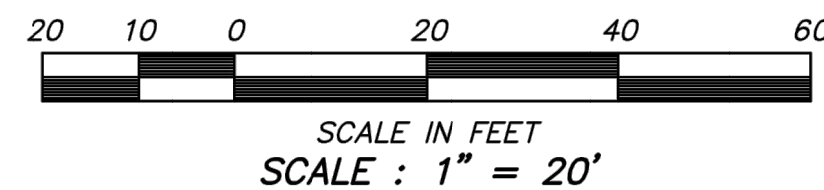
DWN: CB      CHK: DK

DATE: 7/2/2020

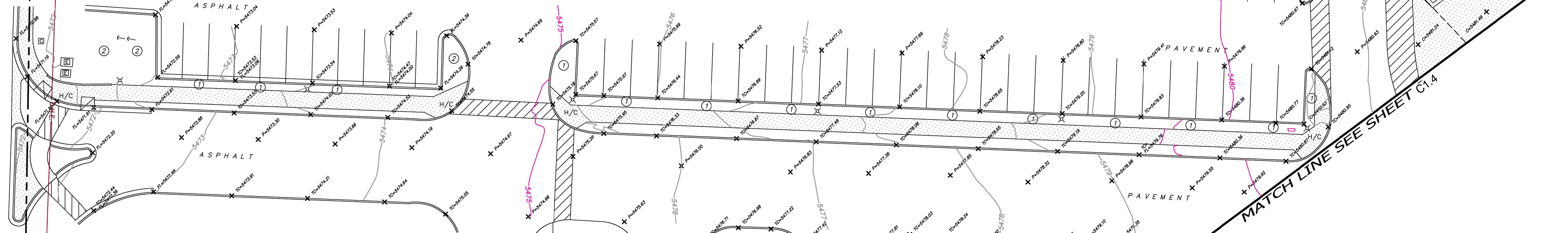
**JOB: 202006033**



100



TREE TABLE		
TREE NO.	TREE TYPE	SIZE
①	TREE	0.5'Ø
②	TREE	1.0'Ø
③	TREE	2.0'Ø



# LEGEND

---	BOUNDARY LINE
---	GROUND LINE OR MONUMENT LINE
⊗	INDICATES DRAINAGE CORNER
	NOTHING FOLLOWED OR SET
	(UNLESS OTHERWISE NOTED)
▬▬▬▬	CONCRETE SURFACE
	24 INCH VERTICAL CURB & GUTTER
	18 INCH CONCRETE CURB
—	EDGE
—	OVERHEAD ELECTRIC LINE
HHH	BIKE RACK
□	COMMUNICATION JUNCTION BOX
←	DRAIN GUY
□	ELECTRIC BOX
□	FIRE HYDRANT
□	GUARD POST OR GATE POST
⌈	HANDICAPPED SPACE
⌈	METAL GRADE (RECTANGULAR)
X	LIGHT POLE
⌈	LANDSCAPE LIGHT
○	MANHOLE
H/C	PEDESTRIAN ACCESS RAMP
⊗	SEWER CLEAN OUT
⊗	STORM DRAIN MANHOLE
⊗	SEWER MANHOLE
—	STREET SIGN
FL	FLOW LINE
FF	FINISHED FLOOR
TC	TOP OF CURB
NG	NATURAL GROUND
P	PAVEMENT
C	CONCRETE
RIM	TOP OF RIM
INV	INVERT ELEVATION

[illegible]

**SUPERIOR**  
SURVEYING SERVICES, INC.

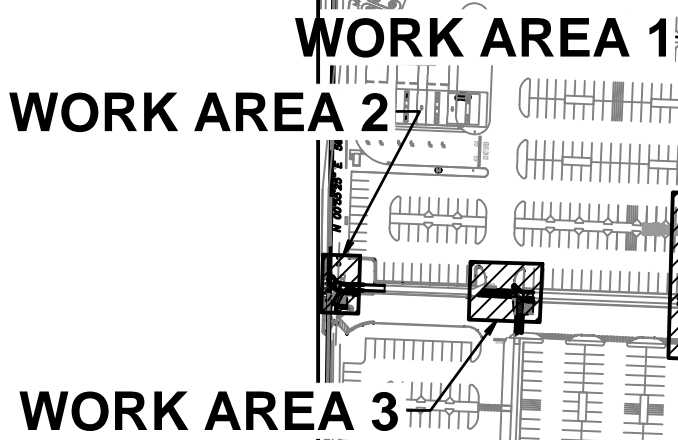
DWN: CB CHK: DK  
C1.3 OF 7  
DATE: 7/2/2020  
JOB: 202006033







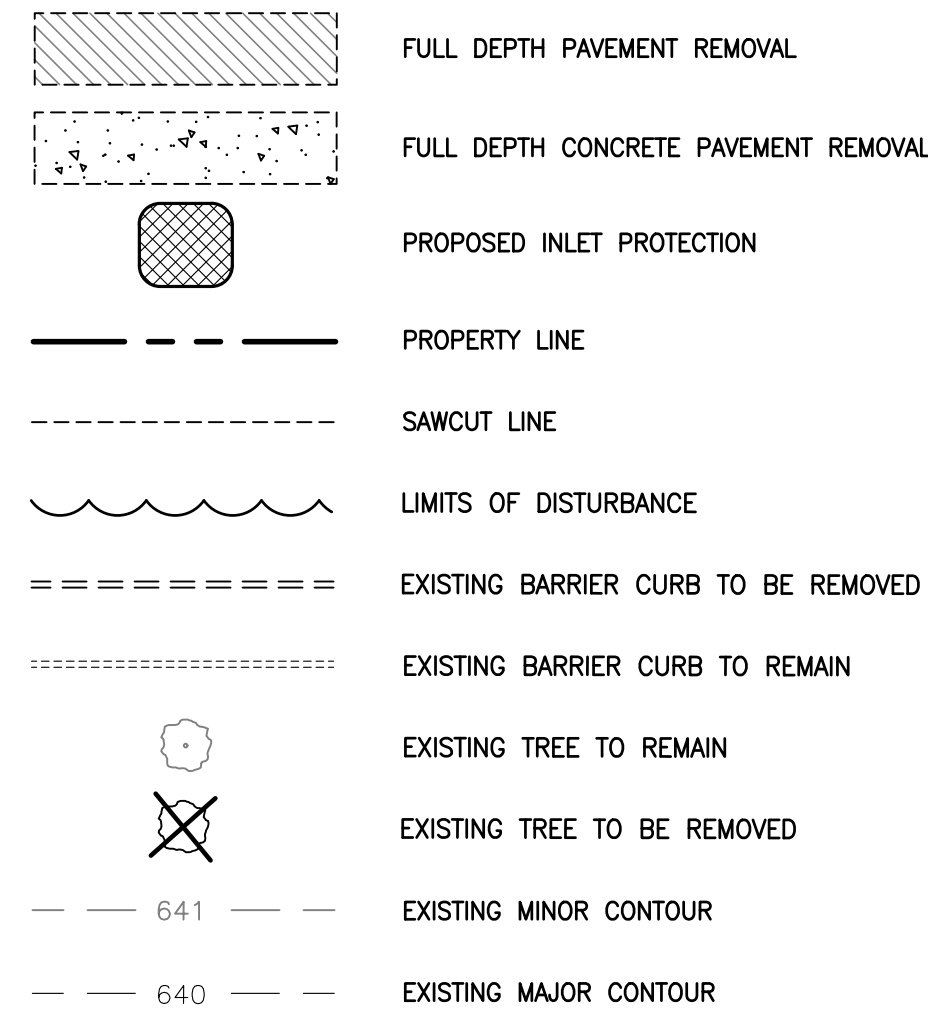
ADA SITE IMPROVEMENTS  
500 EUBANK BLVD. SE  
ALBUQUERQUE, NM 87123  
COSTCO WAREHOUSE #667



	2	12/1/21	LRH	MESP	HPG	RESPONSE TO COMMENTS
	1	8/31/21	LRH	MESP	HPG	LAND USE SUBMITTAL/ BID RELEASE
	No.	Date	By	Ckd.	Appr.	Revision

TESC AND DEMOLITION PLAN  
500 EUBANK BLVD. SE  
ALBUQUERQUE, NM 87123  
COSTCO WAREHOUSE #667

### TESC LEGEND



## # DEMOLITION CALLOUTS:

1. EXISTING PAINT MARKING TO BE REMOVED. CONTRACTOR TO SANDBLAST PAVEMENT TO REMOVE EXISTING PAINT STRIPING.
2. EXISTING WHEEL STOP TO BE REMOVED AND DISPOSED OF OFF-SITE.
3. EXISTING SIGN TO BE REMOVED AND DISPOSED OF OFF-SITE.
4. EXISTING BARRIER CURB TO BE REMOVED AND DISPOSED OF OFF-SITE.
5. EXISTING CURB AND GUTTER TO BE REMOVED AND DISPOSED OF OFF-SITE.
6. EXISTING PAVEMENT TO BE REMOVED AND DISPOSED OF OFF-SITE.
7. EXISTING CONCRETE PAVEMENT TO BE REMOVED AND DISPOSED OF OFF-SITE.
8. EXISTING LANDSCAPING DISTURBED DURING CONSTRUCTION TO BE REPLACED IN KIND.
9. PROPOSED SUMP (TYP.) WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT. PROVIDE LAJ POINT PER DETAIL ON SHEET C5.0.
10. EXISTING TREE TO BE REMOVED AND DISPOSED OF OFF-SITE.
11. EXISTING LANDSCAPE TO BE REMOVED AND DISPOSED OFF-SITE

 **EROSION/SEDIMENT**  
**CONTROL CALLOUTS:**

1. APPROXIMATE LIMITS OF DISTURBANCE.

**INLET PROTECTION NOTE:**

CONTRACTOR TO INSTALL STORM DRAIN INLET PROTECTION AT ALL  
DOWNSTREAM RECEIVING STORM INLET LOCATIONS AS REQUIRED TO  
PREVENT SILT-LADEN WATER FROM ENTERING STORM DRAINAGE SYSTEM,  
AND AS DIRECTED BY INSPECTOR OF AUTHORITY HAVING JURISDICTION.  
SEE DETAIL THIS SHEET

**TREE PROTECTION NOTE:**

EXISTING TREES TO REMAIN WITHIN LIMITS OF DISTURBANCE ARE TO BE PROTECTED IN PLACE AS NECESSARY AND PER ANY APPLICABLE LOCAL JURISDICTIONAL STANDARDS. TREES DAMAGED DURING CONSTRUCTION MUST BE REPLACED IN KIND.

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. POTHOLES FOR THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE # 811 AND THEN POTHOLES ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

**EROSION CONTROL NOTES:**

1. ALL NECESSARY EQUIPMENT AND MATERIALS SHALL BE AVAILABLE ON SITE TO FACILITATE RAPID INSTALLATION OF EROSION AND SEDIMENT CONTROL BMPs WHEN RAIN IS IMMINENT.
2. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AFTER EACH RUN-OFF PRODUCING RAINFALL.
3. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE AUTHORITY HAVING JURISDICTION DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.
4. ADEQUATE EROSION AND SEDIMENT CONTROL AND PERIMETER PROTECTION BEST MANAGEMENT PRACTICE MEASURES MUST BE INSTALLED AND MAINTAINED.

## HAULING/SILTATION CONTROL NOTES:

1. PUBLIC STREETS ARE TO BE KEPT CLEAN OF DIRT AND DEBRIS GENERATED BY WORK. CLEANUP SHALL BE BY SWEEPING AND/OR OTHER APPROVED METHODS ON A DAILY BASIS.
2. CONTRACTOR SHALL PROVIDE SILT BAGS OR OTHER SILTATION CONTROL MEASURES ON EXISTING CATCH BASIN(S) IN PROXIMITY OF WORK WHICH HAVE THE POTENTIAL TO RECEIVE ANY RUNOFF FROM THE WORK AREA OR LOCATIONS THAT MAY BE DESIGNATED BY THE AUTHORITY HAVING JURISDICTION DURING THE COURSE OF THE WORK.
3. EFFORTS SHALL BE MADE DURING CONSTRUCTION ACTIVITIES TO STABILIZE ALL DISTURBED AREAS AS QUICKLY AS POSSIBLE TO MINIMIZE EROSION.
4. ITEMS FOR DEMOLITION ARE DEPICTED PER DESIGN DRAWINGS. CONTRACTOR TO VERIFY AND LOCATE ANY ITEMS FOR DEMOLITION PRIOR TO START OF CONSTRUCTION AND NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. IMMEDIATELY OF ANY DISCREPANCIES.
5. CONTRACTOR TO REVIEW AS-BUILT DRAWINGS IN PROJECT AREA AND REMOVE AND/OR RELOCATE ANY SITE UTILITIES IN PROJECT AREA THAT IMPACT

## DUST CONTROL NOTES:

1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
2. WATER OR COVER STOCKPILES OF DEBRIS, SOIL, SAND OR OTHER MATERIALS THAT CAN BE BLOWN BY THE WIND.
3. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
4. SWEEP DAILY (PREFERABLY WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
5. SWEEP STREETS DAILY (PREFERABLY WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED OUT ADJACENT PUBLIC STREETS.



Know what's below.  
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**UTILITY NOTE:**

ALL UNDERGROUND UTILITIES AND SERVICES TO  
REMAIN UNDISTURBED UNLESS OTHERWISE SHOWN.  
ALL RIMS AND/OR LIDS WITHIN REPLACED ASPHALT  
OR CONCRETE TO BE ADJUSTED TO FINISHED GRADE.

**SITE PLAN NOTE:**

PRIOR TO SAWCUTTING ANY ASPHALT/CONCRETE OR COMMENCING WITH ANY DEMOLITION ACTIVITY, COORDINATE AND VERIFY EXTENT OF NECESSARY DEMOLITION WITH GRADING AND SITE PLAN. IT MAY BE NECESSARY TO REMOVE MORE PAVEMENT/CURBING THAN IS SHOWN TO MEET ADA REQUIREMENTS.

**STAGING AREA NOTE:**

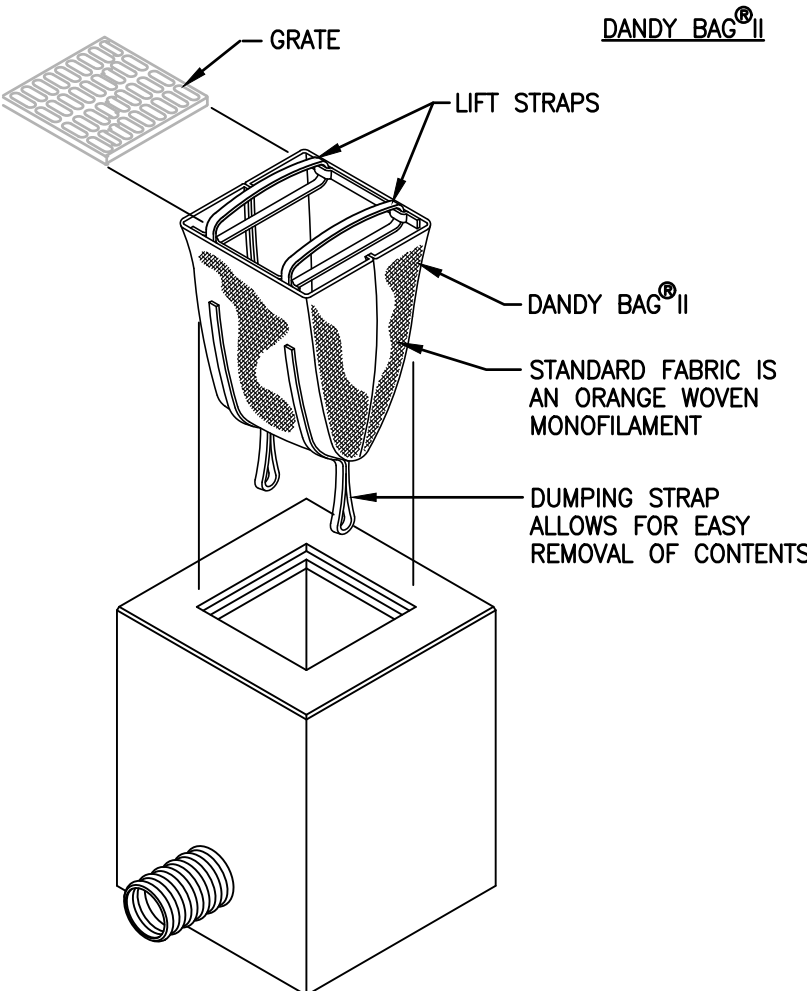
CONTRACTOR TO COORDINATE WITH ARCHITECT, COSTCO  
CONSTRUCTION PROJECT MANAGER AND WAREHOUSE  
MANAGER TO DETERMINE APPROPRIATE STAGING AREA.  
STAGING AREA TO COMPLY WITH COSTCO PROPERTY

DEMOLITION NOTES:

1. CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE VARIOUS UTILITY COMPANIES ON REQUESTING DISCONNECTIONS, REMOVALS AND/OR RELOCATION OF EXISTING SERVICE.
2. CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS AND CONSTRUCTION APPROVALS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
3. CONTRACTOR SHALL REPLACE ALL EXISTING CURB, PAVEMENT AND/OR LANDSCAPING DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY.
4. CONTRACTOR SHALL, PRIOR TO CONSTRUCTION OR REMOVAL OF IMPROVEMENTS, FIELD VERIFY AND CONFIRM UTILITIES OF DEMOLITION AS WELL AS EXISTING UTILITIES AND IMPROVEMENTS TO REMAIN.

## INLET PROTECTION

NOT TO SCALE



## INLET PROTECTION

NOT TO SCALE

Job Number

10097

10907

Sheet

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○  
○

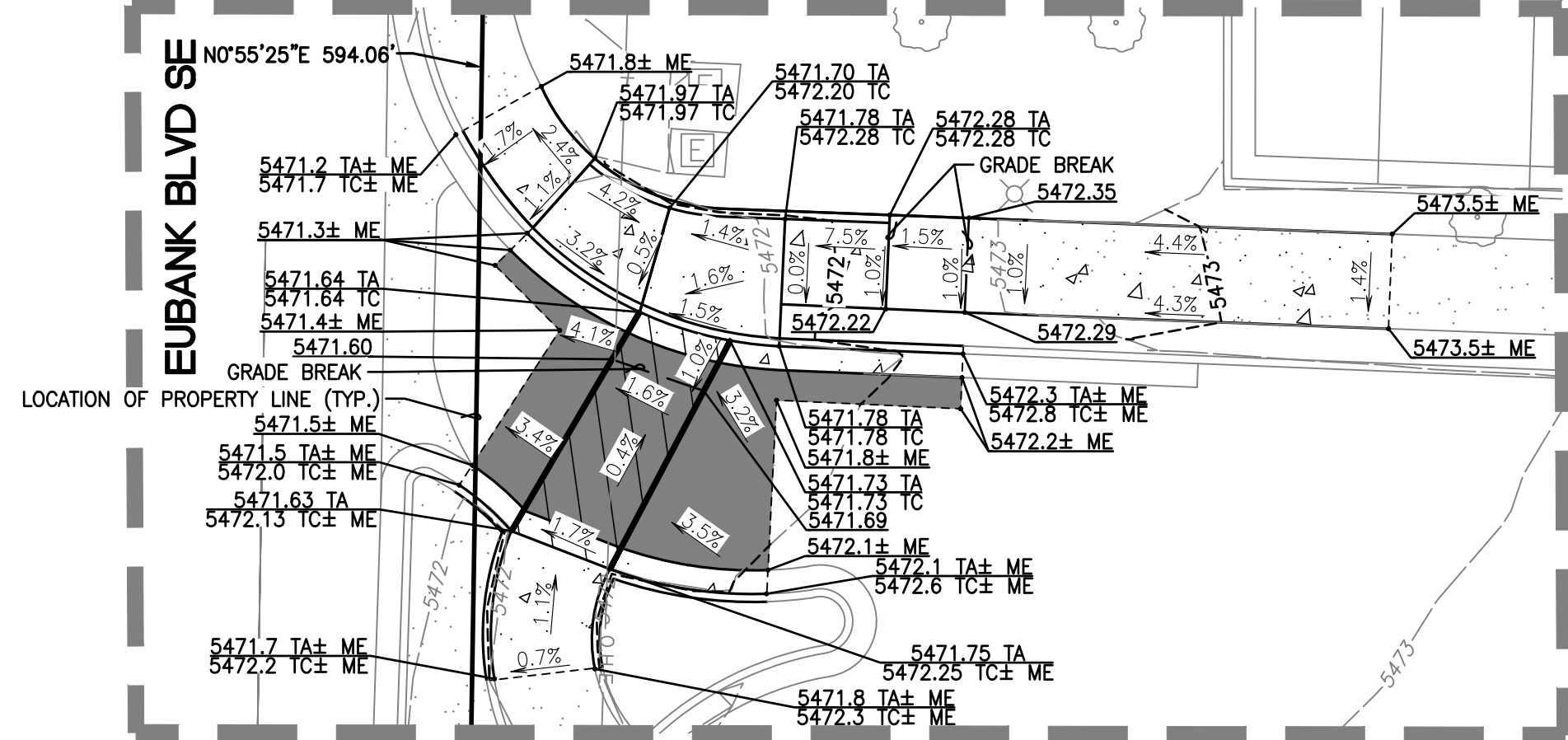
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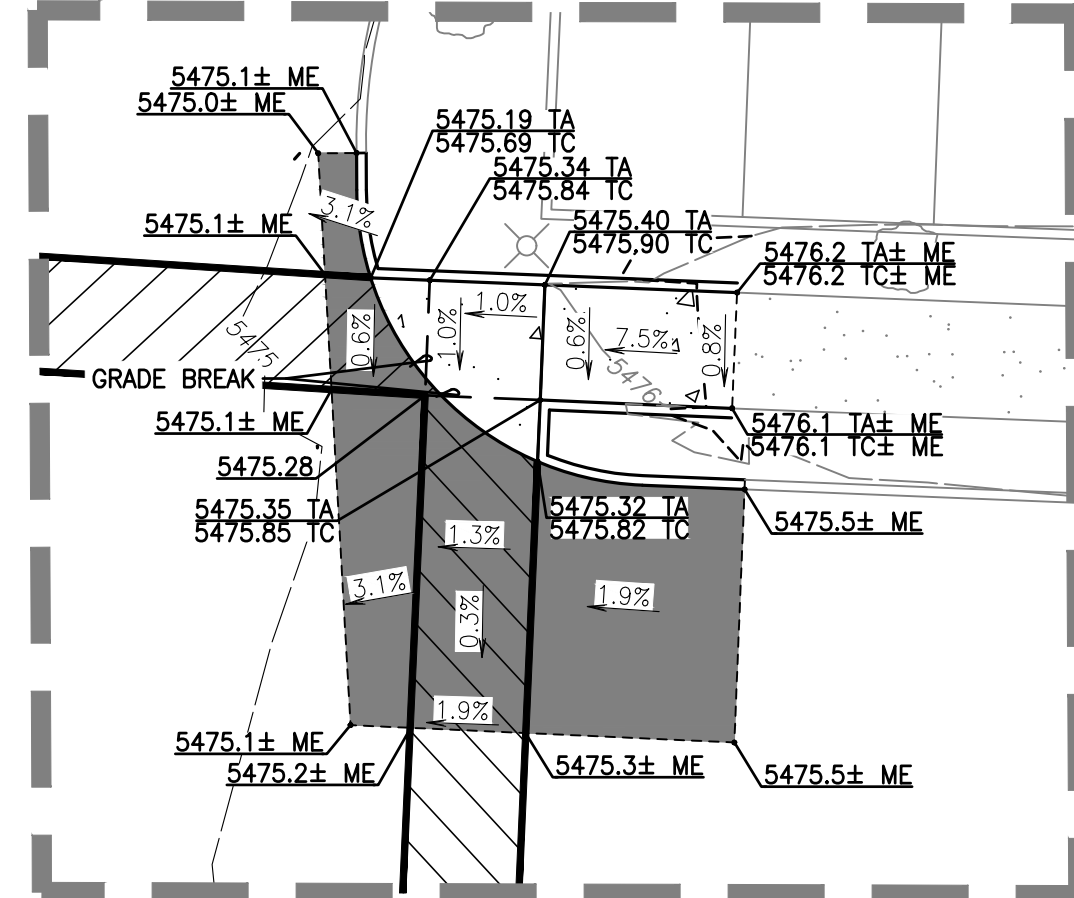








**GRADING PLAN**  
**ADA SITE IMPROVEMENTS**  
**500 EUBANK BLVD. SE**  
**ALBUQUERQUE, NM 87123**  
**COSTCO WAREHOUSE #667**



The plan view shows a road segment with several stations labeled along its length:

- Station 5479.0+ ME**: Located at the left end of the first dashed rectangle.
- Station 5479.3+ ME**: Located at the right end of the first dashed rectangle.
- Station 5478.9+ ME**: Located below the first dashed rectangle.
- Station 5479.2+ ME**: Located between the first and second dashed rectangles.
- Station 5479.6+ ME**: Located at the right end of the second dashed rectangle.
- Station 5479.7+ ME**: Located at the right end of the third dashed rectangle.
- Station 5479.8+ ME**: Located at the far right end of the section.

Cross-slopes are indicated by triangles and percentages:

- A triangle with "2%" points down from the top line to the bottom line.
- A triangle with "1.4%" points up from the bottom line to the top line.
- A triangle with "3%" points up from the bottom line to the top line.
- A triangle with "2%" points down from the top line to the bottom line.
- A triangle with "1.5%" points up from the bottom line to the top line.

Dashed rectangles represent specific areas or structures across the road. A dimension line labeled "5479" indicates a distance along the road axis.

**KEY MAP**

NOT TO SCALE

Grading Area 1

Grading Area 2

Grading Area 3

Grading Area 4

Grading Area 5

- Job Number  
**10987**

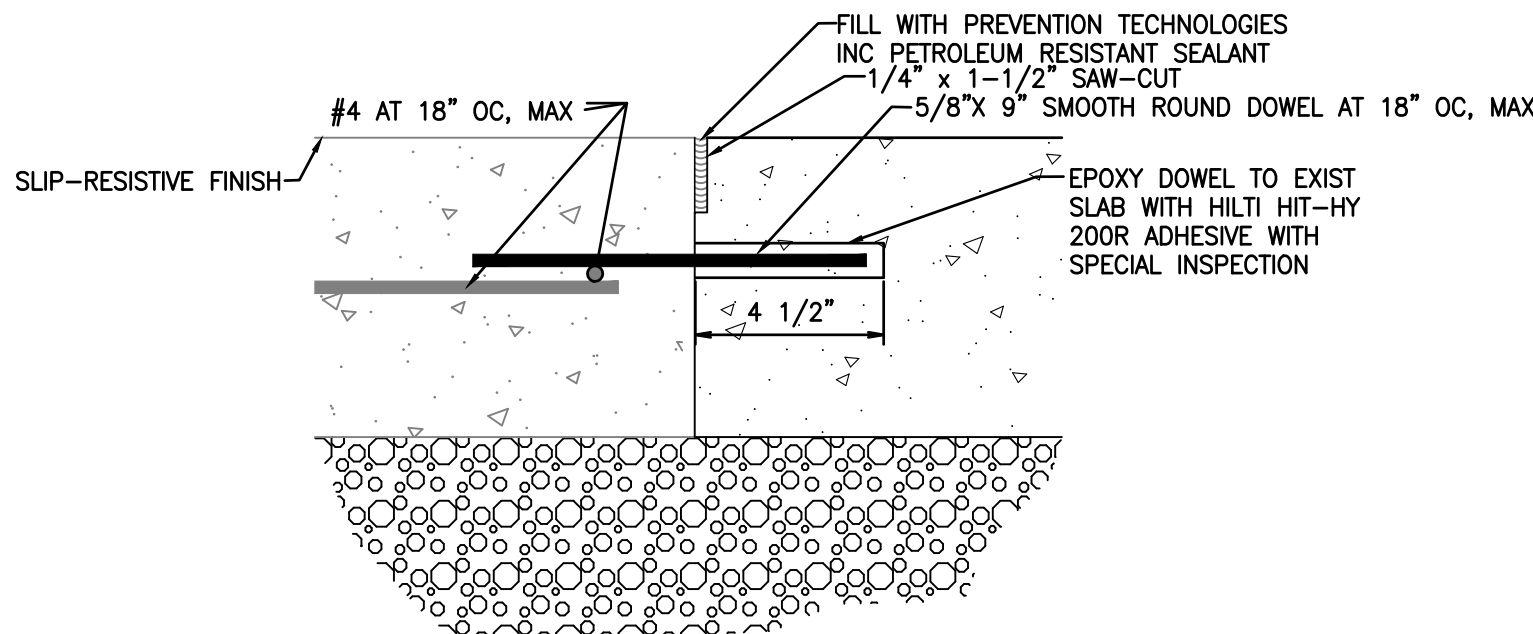
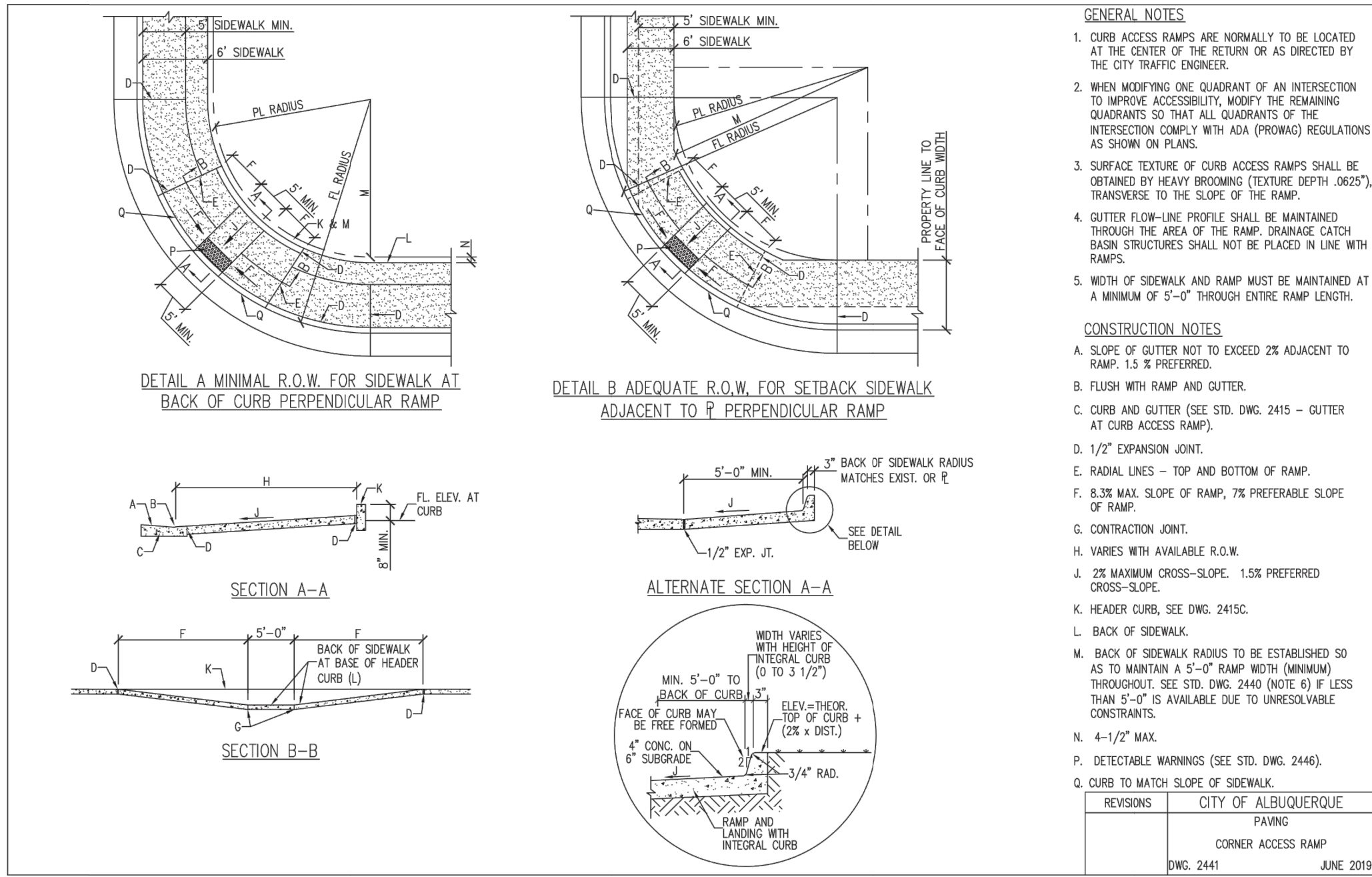
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Sheet  
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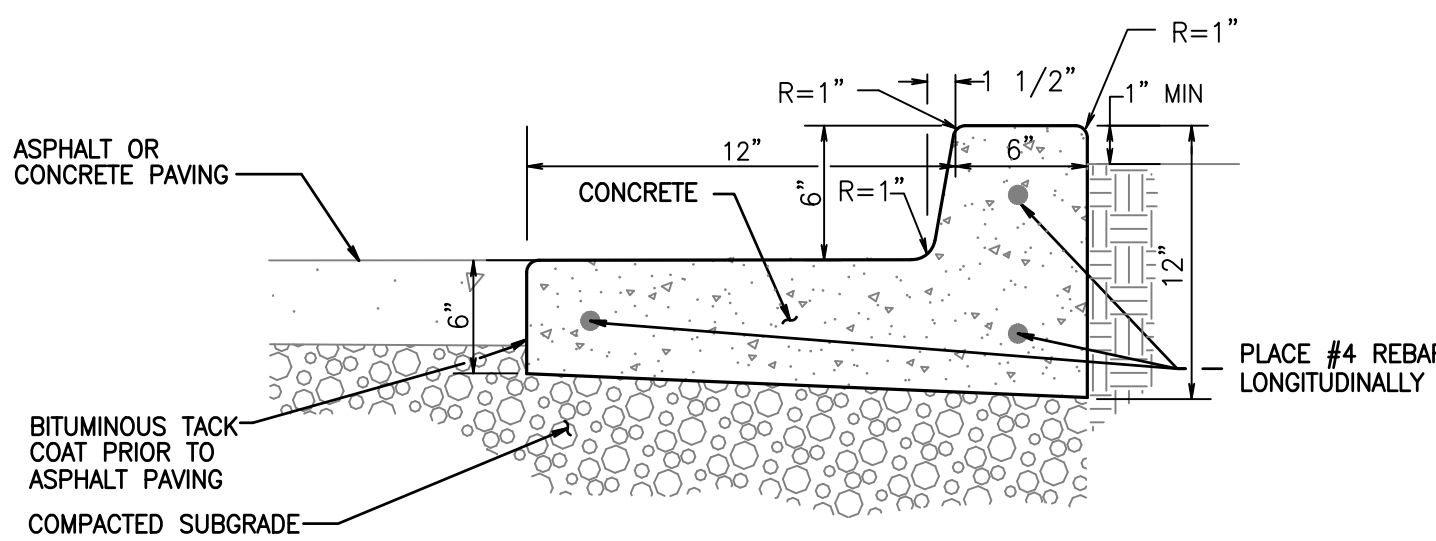


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### CONSTRUCTION JOINT (CJ) NEW TO EXISTING SLAB DETAIL

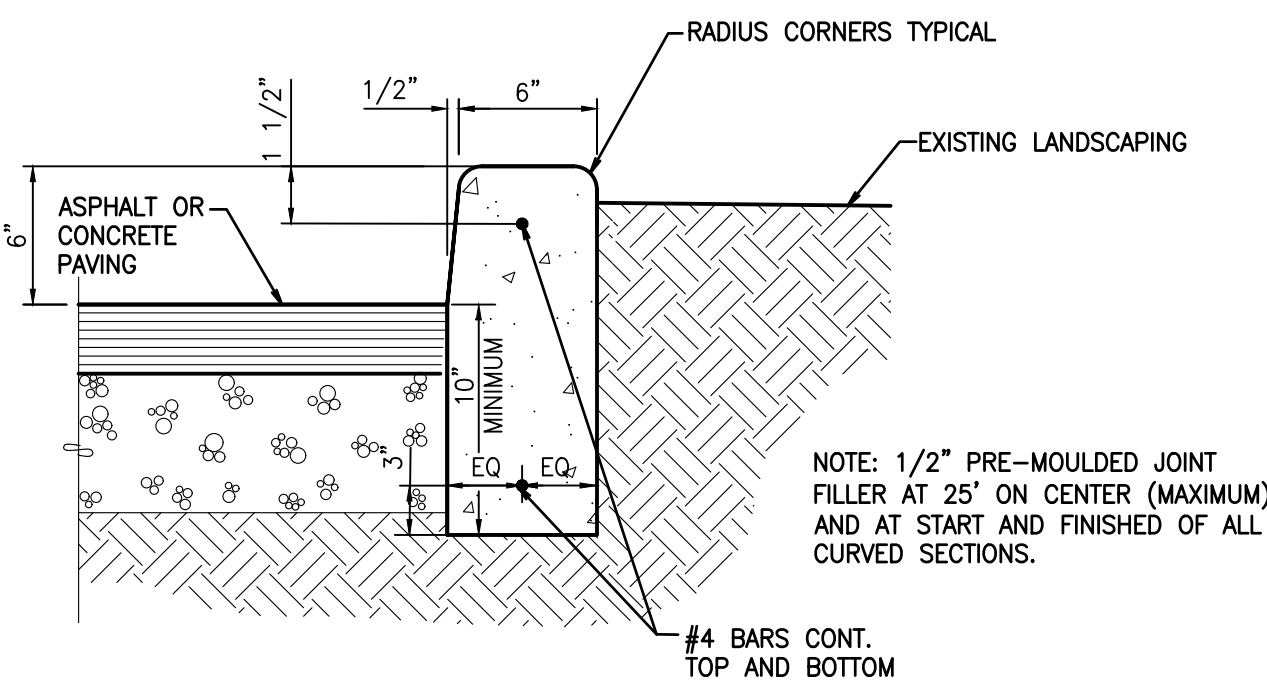
SCALE: NOT TO SCALE



### CEMENT CONCRETE CURB AND GUTTER

SCALE: NOT TO SCALE

NOTE: PREPARATION OF SUBGRADE SHALL BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATION.



- NOTES:
1. PROVIDE WEAKENED PLAIN JOINT EVERY 10', EXPANSION JOINT EVERY 50' AND @ THE START AND FINISH OF ALL CURVED SECTIONS
  2. PAINT CURBS WHERE NOTED ON ARCH. SITE PLAN
  3. PREPARATION OF SUBGRADE SHALL BE PER COSTCO STANDARD SPECIFICATIONS PROCEDURES OR AS OUTLINED IN THE LATEST EDITION OF THE SOILS REPORT.
  4. CONCRETE SHALL BE TYPE II OR V AND SHALL BE 560-C-3250.

### CEMENT CONCRETE BARRIER CURB

SCALE: NOT TO SCALE

NOTE: PREPARATION OF SUBGRADE SHALL BE PER PROCEDURES OUTLINED IN THE SOILS REPORT PREPARED BY KLEINFELDER, INC. DATED MARCH 23, 2016.

## CONSTRUCTION DETAILS

### ADA SITE IMPROVEMENTS

#### 500 EUBANK BLVD. SE

#### ALBUQUERQUE, NM 87123

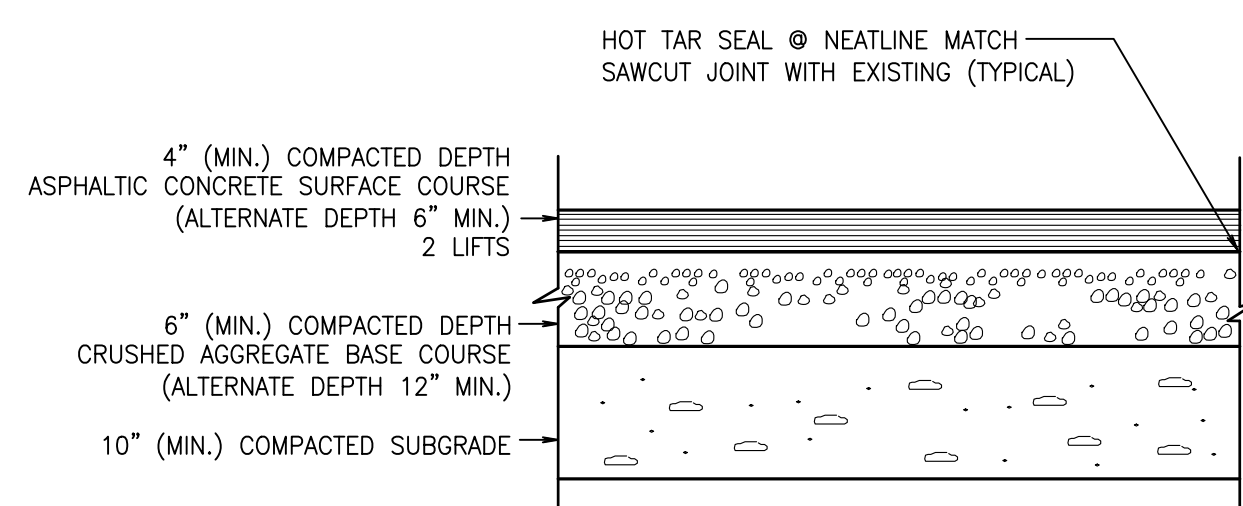
#### COSTCO WAREHOUSE #667

#### NOTES:

1. A.C. PAVEMENT SPECIFICATION SHALL BE APPROVED BY SOILS ENGINEER.
2. PREPARATION OF SUBGRADE SHALL BE PER PROCEDURES OUTLINED IN THE SOILS REPORT BY KLEINFELDER, INC. DATED MARCH 23, 2016..
3. CONTRACTOR SHALL INCLUDE A LUMP SUM FOR ASPHALT SURFACE SEAL COAT. CONTRACTOR SHALL INCLUDE APPLICATION METHOD AND RATE, PRODUCT SUBMITTAL AND A UNIT PRICE BID IN ACCORDANCE WITH PROJECT SPECIFICATIONS. CONTRACTOR SHALL PROVIDE A DUSTING OF SAND WHERE EXCESS EMULSION CAUSES ASPHALT PICK-UP OR SLIPPERY SURFACE. CONTRACTOR SHALL REMOVE EXISTING VEGETATION FROM ALL CRACKS, AND JOINTS, SAND BLAST OR AIR BLAST, APPLY WEED KILLER AND HOT TAR SEAL, PATCH AND REPAIR PAVEMENT FAILURES, ALL PRIOR TO APPLICATION OF SEAL COAT. FIELD VERIFY LIMITS OF SEAL COAT IN AREAS OF NEW STRIPING, PATCHES AND CONFIRM WITH PROJECT MANAGER PRIOR TO PREP. AND APPLICATION.
4. FOR BASE COURSE LIFTS OF 1.5" THICKNESS, DO NOT USE 3/4" NOMINAL MIX PER COSTCO STANDARD SPECIFICATIONS.

### ASPHALT PAVEMENT SECTION (LIGHT)

SCALE: NOT TO SCALE

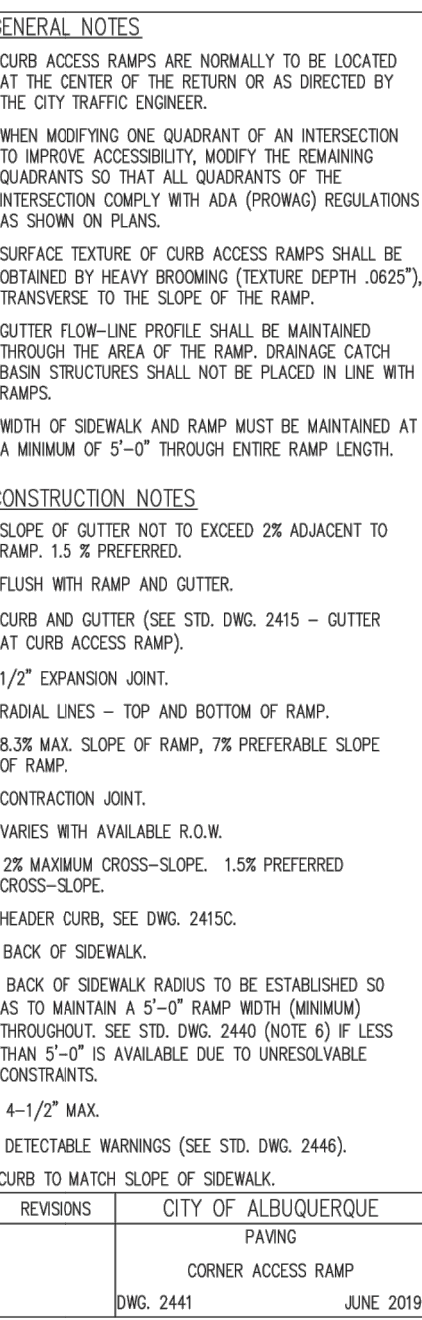


#### NOTES:

1. A.C. PAVEMENT SPECIFICATION SHALL BE APPROVED BY SOILS ENGINEER.
2. PREPARATION OF SUBGRADE SHALL BE PER PROCEDURES OUTLINED IN THE SOILS REPORT BY KLEINFELDER, INC. DATED MARCH 23, 2016..
3. CONTRACTOR SHALL INCLUDE A LUMP SUM FOR ASPHALT SURFACE SEAL COAT. CONTRACTOR SHALL INCLUDE APPLICATION METHOD AND RATE, PRODUCT SUBMITTAL AND A UNIT PRICE BID IN ACCORDANCE WITH PROJECT SPECIFICATIONS. CONTRACTOR SHALL PROVIDE A DUSTING OF SAND WHERE EXCESS EMULSION CAUSES ASPHALT PICK-UP OR SLIPPERY SURFACE. CONTRACTOR SHALL REMOVE EXISTING VEGETATION FROM ALL CRACKS, AND JOINTS, SAND BLAST OR AIR BLAST, APPLY WEED KILLER AND HOT TAR SEAL, PATCH AND REPAIR PAVEMENT FAILURES, ALL PRIOR TO APPLICATION OF SEAL COAT. FIELD VERIFY LIMITS OF SEAL COAT IN AREAS OF NEW STRIPING, PATCHES AND CONFIRM WITH PROJECT MANAGER PRIOR TO PREP. AND APPLICATION.
4. FOR BASE COURSE LIFTS OF 1.5" THICKNESS, DO NOT USE 3/4" NOMINAL MIX PER COSTCO STANDARD SPECIFICATIONS.

### ASPHALT PAVEMENT SECTION (HEAVY)

SCALE: NOT TO SCALE



PRUNE DAMAGED TWIGGS AFTER PLANTING  
PLACE IN VERT. POSITION: DOUBLE LEADERS WILL BE REJECTED

NOTE:  
KEEP ROOTBALL MOIST AND PROTECTED AT ALL TIMES. HOLD CROWN OF ROOTBALL AT OR JUST ABOVE FINISH GRADE.  
PROTECT TRUNK AND LIMBS FROM INJURY. BACKFILL TO BE SETTLED USING WATER ONLY - NO MECHANICAL COMPACTION.  
REMOVE ALL WRAP, TIES & CONTAINERS, REGARDLESS OF MATERIAL.

(2) LODGEPOLE STAKES, PLUMB WITH ELASTIC CHAIN-LOCK TYPE OR RUBBER GUYS TIED IN FIGURE EIGHT; REMOVE AFTER ONE GROWING SEASON

PROTECTIVE WRAPPING DURING SHIPMENT TO SITE AND INSTALLATION REMOVE AT COMPLETION OF PLANTING  
LAWN PLANTING; PROVIDE 3' @ "NO GRASS" TREE RING AND 2" DEEP MULCH LAYER IN WELL. HOLD BACK FROM TRUNK 8" TO 10"

FINISH GRADE

PREPARE PLANTING BED PER SPEC'S; AT MIN., LOOSEN AND MIX SOIL TO 18" OR DEPTH OF ROOTBALL AND 2 TIMES BALL DIAMETER

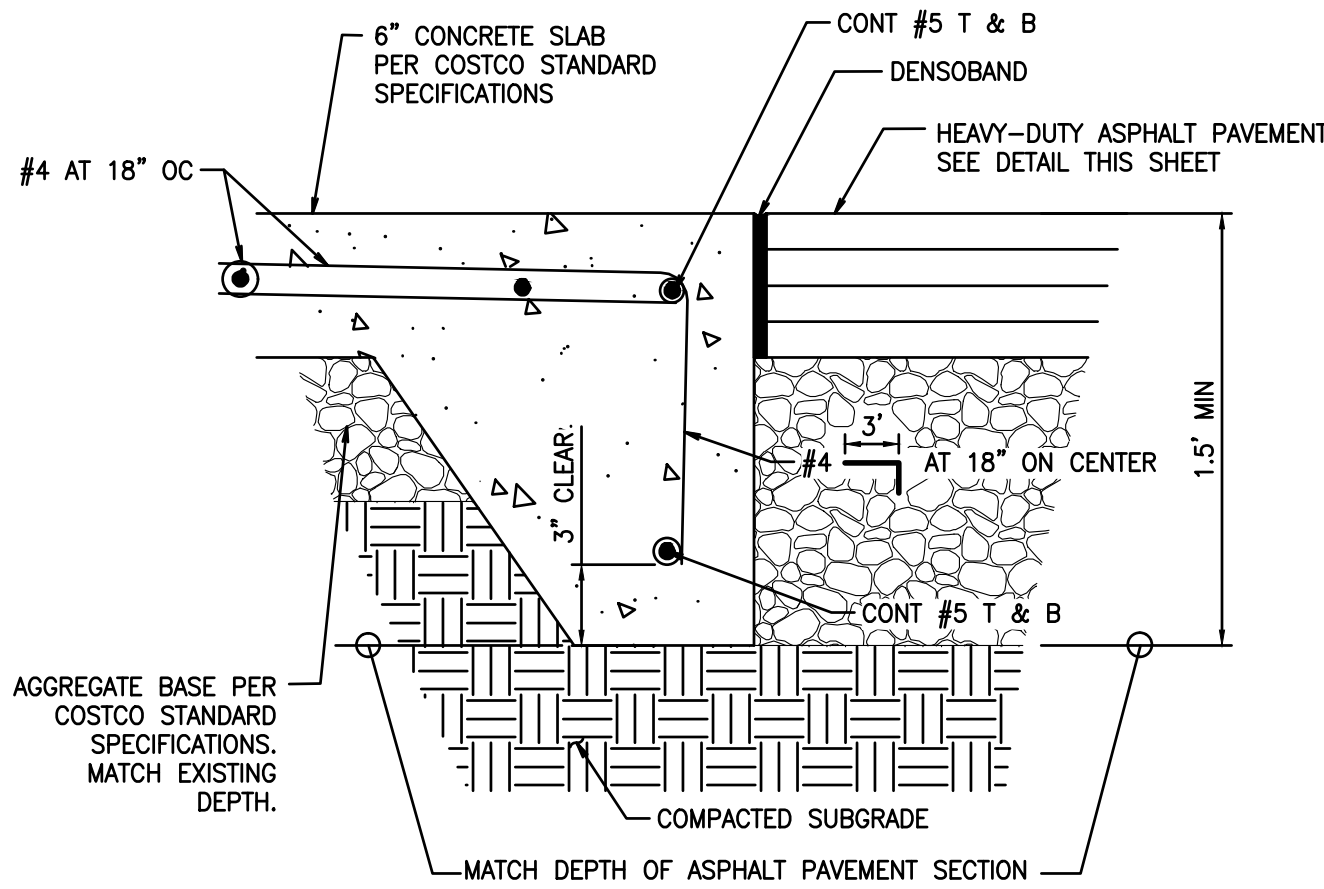
REMOVE ALL WRAP, TIES, AND CONTAINERS  
SCORE ROOTBALL AND WORK NURSERY SOIL AWAY FROM PERIMETER ROOTS

SET BALL ON UNDISTURBED BASE OR COMPACTED MOUND UNDER BALL

PENETRATION TO SUBBASE (+) 24"

### DECIDUOUS TREE PLANTING/STAKING DETAIL

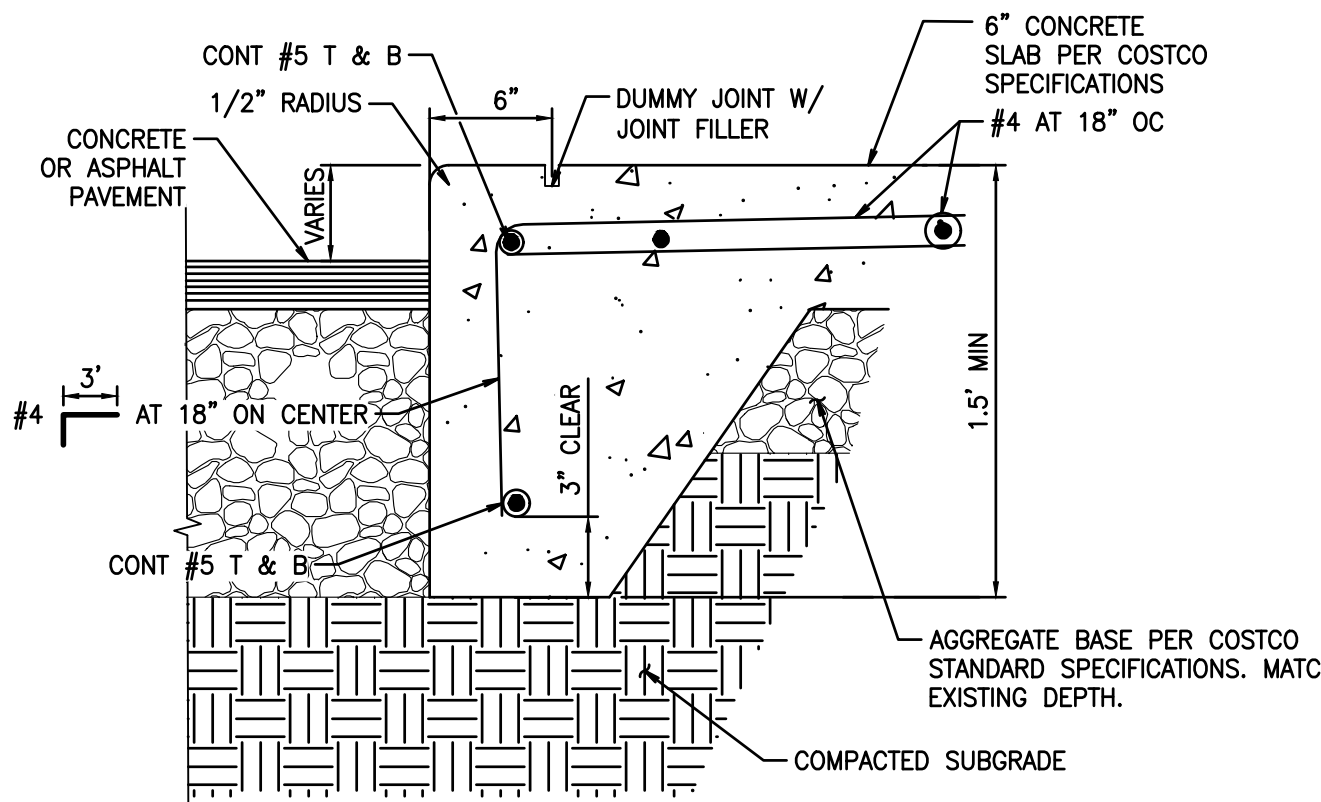
NOT TO SCALE



### FLUSH CURB REINFORCED CONCRETE SIDEWALK SECTION

SCALE: NOT TO SCALE

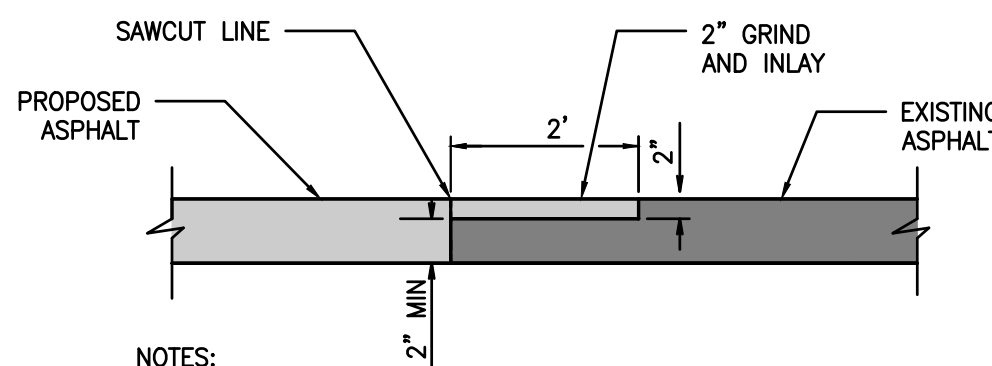
NOTE: PREPARATION OF SUBGRADE SHALL BE PER PROCEDURES OUTLINED IN THE SOILS REPORT PREPARED BY KLEINFELDER, INC. DATED MARCH 23, 2016.



### RAISED CURB REINFORCED CONCRETE SIDEWALK SECTION

SCALE: NOT TO SCALE

NOTE: PREPARATION OF SUBGRADE SHALL BE PER PROCEDURES OUTLINED IN THE SOILS REPORT PREPARED BY KLEINFELDER, INC. DATED MARCH 23, 2016.

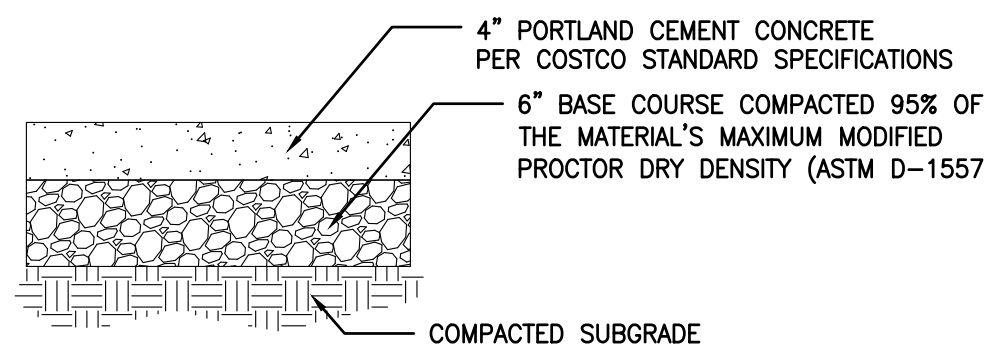


#### NOTES:

1. EXISTING DEPTH OF ASPHALT MUST BE AT LEAST 4" IN ORDER TO PROVIDE LAP JOINT. IF EXISTING DEPTH OF ASPHALT IS LESS THAN 4 INCHES, PROVIDE VERTICAL SAW CUT ONLY AND APPLY RUBBER SEALANT TO THE VERTICAL SURFACE.
2. APPLY HOT RUBBER SEALANT COMPOUND ALONG JOINT PER ASTM D6690.

### LAP JOINT

NOT TO SCALE



### CONCRETE SIDEWALK SECTION

SCALE: NOT TO SCALE

NOTE: PREPARATION OF SUBGRADE SHALL BE PER PROCEDURES OUTLINED IN THE SOILS REPORT PREPARED BY KLEINFELDER, INC. DATED MARCH 23, 2016.

#### UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

No.	Date	By	Appr.	Revision
2	12/1/21	LKH	MESH	HPS RESPONSE TO COMMENTS
1	9/1/21	LKH	MESH	HPS LAND USE SUBMITTAL/ BID RELEASE

**Title:**  
CONSTRUCTION DETAILS  
500 EUBANK BLVD. SE  
ALBUQUERQUE, NM 87123  
COSTCO WAREHOUSE #667

**For:**  
**Costco Wholesale**  
COSTCO WHOLESALE  
999 LAKE DRIVE  
ISSAQUAH, WA 98027

**Scale:**  
Horizontal N/A  
Vertical N/A

**Designed:** LKH  
**Drawn:** LKH  
**Checked:** MESH  
**Approved:** HPS  
**Date:** 10/20/20

**Barghausen Consulting Engineers, Inc.**  
18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222  
barghausen.com

**Job Number:** 10987  
**Sheet:** C50 of 9  
**Date:** 11/26/2021 11:14 AM  
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