

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 28, 2025

Sarah Hinkle
Barghausen Consulting Engineers LLC
18215 72ND AVENUE SOUTH,
KENT, WA 98032

RE: Costco Wholesale Fuel Expansion
9955 Coors Bypass Blvd. NW
Permanent CO – Accepted
Engineer's Certification Date: 05/27/2025
Engineer's Stamp Date: 08/09/2024
Hydrology File: B13D003

Dear Ms. Hinkle:

PO Box 1293

Based on the Certification received 5/27/2025 and site visit on 5/28/2025, this letter serves as an approval from the Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

NM 87103

Sincerely,

www.cabq.gov

Anthony Montoya, Jr., P.E.
Senior Engineer, Hydrology
Planning Department, Development Review Services



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title: Costco Fuel Facility Expansion Hydrology File # HydroTrans #: B13D003

Legal Description: _____

City Address, UPC, OR Parcel: 9955 Coors Bypass Blvd NW, Albuquerque NM 87114

Applicant/Agent: Sarah Hinkle Contact: Louis Gannon
Address: 18215 72nd Ave S. Kent, WA 98032 Phone: (360) 930-1204
Email: shinkle@barghausen.com

Applicant/Owner: Costco Wholesale Contact: Therese Garcia
Address: 730 Lake Drive Issaquah, WA 98027 Phone: (425) 416-5158
Email: theresegarcia@costco.com

TYPE OF DEVELOPMENT: ☐ Plat (# of lots) _____ ☐ Single Family Home
☒ All other Developments

RE-SUBMITTAL: ☐ YES ☒ NO

DEPARTMENT: ☐ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

Check all that apply under Both the Type of Submittal and the Type of Approval Sought:

TYPE OF SUBMITTAL:

- ☒ Engineering / Architect Certification
- ☐ Conceptual Grading & Drainage Plan
- ☐ Grading & Drainage Plan, and/or Drainage Report
- ☐ Drainage Report (Work Order)
- ☐ Drainage Master Plan
- ☐ Conditional Letter of Map Revision (CLOMR)
- ☐ Letter of Map Revision (LOMR)
- ☐ Floodplain Development Permit
- ☐ Traffic Circulation Layout (TCL) – Administrative
- ☐ Traffic Circulation Layout (TCL) – DFT Approval
- ☐ Traffic Impact Study (TIS)
- ☐ Street Light Layout
- ☐ OTHER (SPECIFY) _____

TYPE OF APPROVAL SOUGHT:

- ☐ Pad Certification
- ☐ Building Permit
- ☐ Grading Permit
- ☐ Paving Permit
- ☐ SO-19 Permit
- ☐ Foundation Permit
- ☐ Certificate of Occupancy - ☐ Temp ☒ Perm
- ☐ Preliminary / Final Plat
- ☐ Site Plan for Building Permit - DFT
- ☐ Work Order (DRC)
- ☐ Release of Financial Guarantee (ROFG)
- ☐ CLOMR / LOMR
- ☐ Conceptual TCL - DFT
- ☐ OTHER (SPECIFY) _____

DATE SUBMITTED: 05/20/2025




BARGHAUSEN
A DIVISION OF CORE STATES GROUP

**CORE
STATES**

DRAINAGE CERTIFICATION

I, HAL P. GRUBB, NMPE 25249, OF THE FIRM BARGHAUSEN CONSULTING ENGINEERS, LLC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED MARCH 2, 2023. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY HAL P. GRUBB, NMPE 25249, OF THE FIRM BARGHAUSEN CONSULTING ENGINEERS, LLC. LOUIS GANNON, A REPRESENTATIVE OF HAL P. GRUBB, FURTHER CERTIFIES HE HAS PERSONALLY VISITED THE PROJECT SITE ON MAY 19, 2025, AND HAS DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINAL CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THE PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

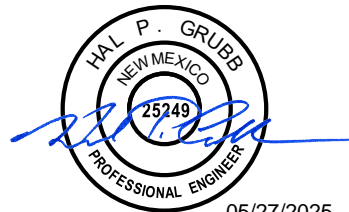


Signature of Engineer or Architect

ENGINEER'S OR ARCHITECT'S STAMP

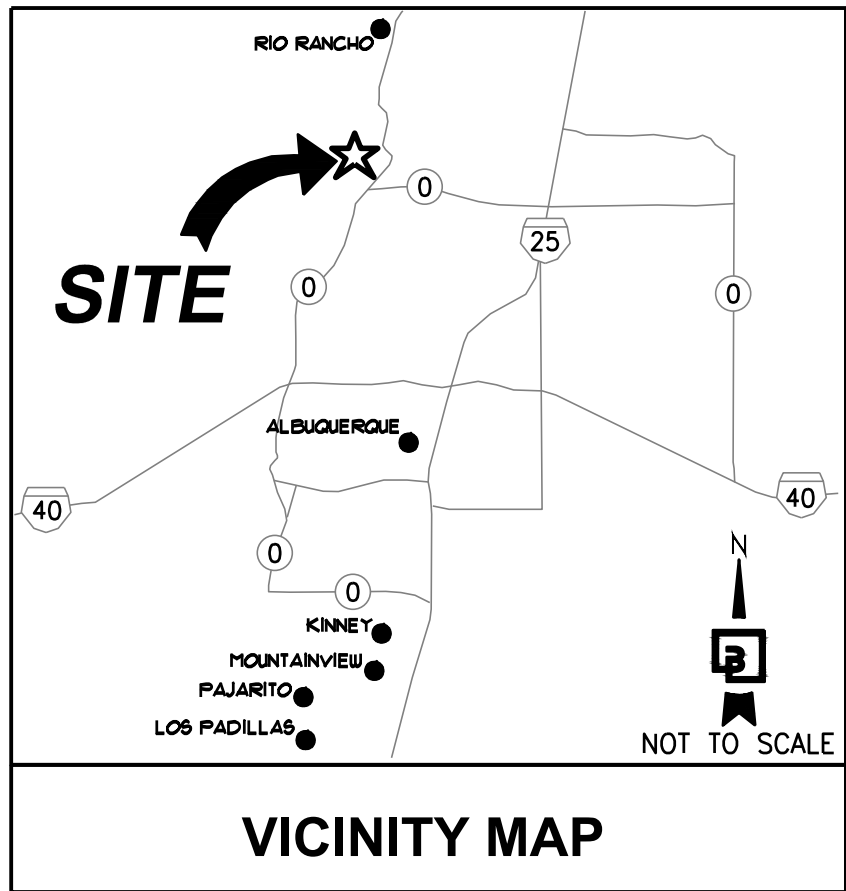
05/27/2025

Date



05/27/2025

THIS CERTIFICATION MUST BE SUBMITTED ON COMPANY LETTERHEAD, WITH AN ORIGINAL STAMP AND SIGNATURE OR ON THE APPROVED SITE PLAN, TCL, OR AA.



COSTCO WHOLESALE

RECORD DRAWINGS COVER SHEET

COSTCO WHOLESALE FUEL EXPANSION

9955 COORS BYPASS BLVD NW

ALBUQUERQUE, NM 87114

COSTCO WHOLESALE LOCATION #1016

GENERAL SITE DEVELOPMENT NOTES:

- THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING 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, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
- 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
- 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). THE CONTRACTOR SHALL PROVIDE ONE WEEK MINIMUM ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
- THE CONTRACTOR SHALL BE 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 SHALL BE RESPONSIBLE FOR DETERMINING THE "AS-BUILT" 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.
- 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.
- 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.
- 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.
- THE 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.
- THE 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.

GENERAL CONTRACTOR

JONES COVEY GROUP INC.
9595 LUCAS RANCH RD., #100
RANCHO CUCAMONGA, CA 91730
PHONE: (888) 972-7581

RECORD DRAWING

THESE RECORD DRAWINGS ARE SUBMITTED FOR REVIEW ON A TRUE COPY OF THE CITY-APPROVED CONSTRUCTION PLANS SIGNED FOR APPROVAL ON 03/02/2023.

BY: HAL P. GRUBB, P.E. DATE: 05/20/2025

INFORMATION SHOWN ON THESE DRAWINGS WAS PROVIDED BY THE GENERAL CONTRACTOR VIA EMAIL ON 05/12/25. JONES COVEY TAKES FULL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS OF THE AS-BUILT INFORMATION PROVIDED.

PROJECT TEAM:

OWNER

COSTCO WHOLESALE
730 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 PALMER

SURVEYOR

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

ARCHITECT

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

LANDSCAPE ARCHITECT

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

GEOTECHNICAL ENGINEER

KLEINFELDER, INC.
5880 DISTRICT BOULEVARD
BAKERSFIELD, CA 93313
PHONE: (661) 831-2155
CONTACT: BRIAN E. CRYSTAL, P.E., G.E.

EXISTING TOPOGRAPHY/SURVEY NOTE:

A TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY SUPERIOR SERVICES, INC. DATED FEBRUARY 9, 2022, 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.

CAUTION:

POTENTIAL UTILITY CONFLICT. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND NEW UTILITIES PRIOR TO CONSTRUCTION. SEE UTILITY CONFLICT NOTE. THE EXISTING WATER, STORM, AND SANITARY SEWER SERVICE SHOWN IS APPROXIMATE, BASED ON FIELD SURVEYS AND "AS-BUILT" RECORDS. THE GENERAL CONTRACTOR SHALL "POTHOLE" THE EXISTING UTILITIES TO VERIFY THE DIAMETER AND LOCATION (INCL. ELEVATIONS) PRIOR TO CONSTRUCTION. ANY DISCREPANCIES IN THE LOCATION OF THE EXISTING PIPE OR INCOMPATIBILITY OF THE DESIGN SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS REPRESENTATIVE, AND BARGHAUSEN CONSULTING ENGINEERS, INC. (425-251-6222).

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.

LEGEND

	EXISTING CONCRETE		PROPOSED HEAVY-DUTY ASPHALT
	PROPERTY LINE		LIGHT DUTY PROPOSED ASPHALT
	EXISTING CURB AND GUTTER		PROPOSED SLURRY SEAL
	EXISTING BARRIER CURB		PROPOSED CONCRETE
	EXISTING EDGE OF PAVEMENT		PROPOSED CURB AND GUTTER
	EXISTING CANOPY DRIPLINE		PROPOSED BARRIER CURB
	EXISTING STORM DRAIN		ACCESSIBLE PATH OF TRAVEL
	EXISTING WATER LINE		SAWCUT LINE
	EXISTING CATCH BASIN		PROPOSED STORM PIPE
	EXISTING TELECOM LINE		PROPOSED CATCH BASIN
	EXISTING SANITARY SEWER		PROPOSED CLEANOUT
			PROPOSED SPOT GRADE
			PROPOSED GRADING SLOPE
			PROPOSED TOP OF PUMP ISLAND
			MATCH EXISTING GRADE
			PROPOSED TOP OF PAVEMENT/ TOP OF CURB
			LOW POINT/FLOW LINE/HIGH POINT

CIVIL SHEET INDEX:

- C1.0 - RECORD DRAWINGS COVER SHEET
- C2.0 - RECORD DRAWINGS DEMOLITION AND EROSION CONTROL PLAN
- C2.1 - RECORD DRAWINGS TESC NOTES AND DETAILS
- C3.0 - RECORD DRAWINGS SITE AND HORIZONTAL CONTROL PLAN
- C4.0 - RECORD DRAWINGS GRADING PLAN
- C5.0 - RECORD DRAWINGS STORMWATER PLAN
- C6.0 - RECORD DRAWINGS DRAINAGE AND UTILITY PLAN
- C7.0 - RECORD DRAWINGS DETAILS
- C7.1 - RECORD DRAWINGS DETAILS

BASIS OF BEARINGS:

THE BASIS OF BEARING IS NAD 83, NEW MEXICO STATE PLANE CENTRAL ZONE, AS MEASURED USING CITY OF ALBUQUERQUE BENCHMARKS 6-B13 & 8-B13.

SURVEY BENCHMARK:

CITY OF ALBUQUERQUE BENCH: 6-B13

DESCRIPTION/LOCATION: 1.75-INCH CITY OF ALBUQUERQUE ALUMINUM DISK, STAMPED "ACS BM 6-B13", EPOXYED TO THE TOP OF CONCRETE BRIDGE SLEEPER SLAB, LOCATED IN THE SOUTHEASTERLY QUADRANT OF EAGLE RANCH ROAD NW AND THE CALABACILLAS ARROYO.

ELEV. = 5068.38 FEET

(DATUM) NAVD 88

LEGAL DESCRIPTION:

PARCEL 1:

TRACT N-1-B-2-C, AS SHOWN ON THE PLAT OF TRACTS N-1-B-2-A, N-1-B-2-B AND N-1-B-2-C, SEVEN BAR RANCH, IN THE CITY OF ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON JULY 2, 2007, IN PLAY BOOK 2007C, PAGE 175, AS DOCUMENT NO. 2007096536

PARCEL 2:

NON-EXCLUSIVE RIGHTS OF EASEMENT FOR VEHICULAR AND PEDESTRIAN INGRESS AND EGRESS, UNDER AND IN ACCORD WITH THE CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT, FILED JULY 11, 2007, RECORDED AS DOCUMENT NO. 2007099402, AND FIRST AMENDMENT TO CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT, FILED AUGUST 13, 2012, RECORDED AS DOCUMENT NO. 2012081955, RECORDS OF BERNALILLO COUNTY, NEW MEXICO, TO THE EXTENT OF AND ONLY FOR THE DURATION AS PROVIDED FOR THEREIN.

PROJECT DATA:

PROJECT ADDRESS: 9955 COORS BYPASS BLVD NW, ALBUQUERQUE, NM 87114
JURISDICTION: CITY OF ALBUQUERQUE
APN: 101-306-527-435-21
ZONING: NR-C

PROJECT AREA SUMMARY:

IMPERVIOUS: 13,080 SF
PERVIOUS: 1,739 SF
TOTAL DISTURBANCE = 14,819 SF

GRADING QUANTITIES:

TOTAL CUT (CY) = 32
TOTAL FILL (CY) = 5

TOTAL EXPORT (CY) = 27

EARTHWORK QUANTITIES ARE APPROXIMATE AND HIGHLY DEPENDANT ON SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHOULD PERFORM INDEPENDENT ESTIMATE FOR BIDDING.

SOILS REPORT NOTES:

- THE FOLLOWING SOILS REPORT FOR THE SITE SHALL BE CONSIDERED PART OF THESE CONSTRUCTION DOCUMENTS:

GEOTECHNICAL RECOMMENDATIONS
PROPOSED FUEL FACILITY EXPANSION
COSTCO WHOLESALE FUEL FACILITY CW#21-0451
KLEINFELDER PROJECT NO. 1016
9955 COORS BYPASS BOULEVARD NORTHWEST, ALBUQUERQUE, NM, 87114
DATED FEBRUARY 7, 2022

SOIL INVESTIGATION AS PERFORMED BY:
KLEINFELDER, INC.
999 LAKE DRIVE
ISSAQUAH, WA, 98356
PHONE: (949) 727-4466

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB, AND PAVING CONSTRUCTION.
- ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN CONSULTING ENGINEERS, INC.

- A REPRESENTATIVE OF THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS DOCUMENTING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATION OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL MAKE ALL PROVISIONS FOR SOILS INSPECTIONS AS RECOMMENDED WITHIN THE SOILS REPORT. AT A MINIMUM, THIS INCLUDES THE OBSERVATION OF THE FOLLOWING BY A SOILS ENGINEER:

- OVER-EXCAVATION RECOMMENDATIONS
- PLACEMENT OF STRUCTURAL FILL MATERIAL BENEATH PAVEMENT
- SUBGRADE PREPARATION OF CANOPY FOOTINGS

- THE CONTRACTOR SHALL QUALIFY ANY LIMITATIONS TO SOILS INSPECTIONS WITHIN BID PROPOSAL.

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.

Title:

RECORD DRAWINGS COVER SHEET
9955 COORS BYPASS BLVD NW
ALBUQUERQUE, NM 87114
COSTCO WAREHOUSE #1016

COSTCO WHOLESALE
COSTCO WHOLESALE
730 LAKE DRIVE
ISSAQUAH, WA 98027

For:



Scale:

Horizontal
1" = 100'

Vertical
N/A

Designed

Drawn

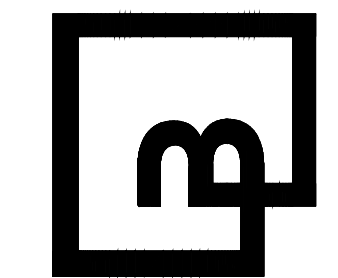
Checked

Approved

Date

03/01/24

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



Job Number

12735

Sheet

C1.0 of 9



Know what's below.
Call before you dig.
Dial 811
Or 1-800-321-2537

FEMA FLOODPLAIN:

THE SUBJECT SITE IS LOCATED WITHIN ZONE X (FEMA FIRM NO 35001C0108G DATED SEPTEMBER 26, 2008), AND THIS PROJECT WILL NOT BE SUBJECT TO ANY FLOOD CONTROL REQUIREMENTS

SITE PLAN NOTE:

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

COSTCO WHOLESALE FACILITY #1016

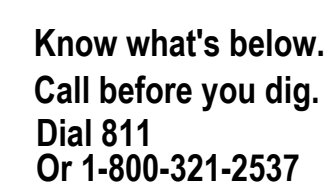


1. CONTRACTOR TO INSTALL COMPOST FILTER SLOP, SILT FENCE OR OTHER APPROVED PERIMETER PROTECTION AT ALL PERIMETER LOCATIONS OF PROJECT SITE AS REQUIRED TO PREVENT SILT-LADEN RUNOFF FROM LEAVING SITE, AND AS DIRECTED BY INSPECTOR OF AUTHORITY HAVING JURISDICTION. SEE DETAIL ON SHEET C2.1.
2. AT DOWNSTREAM RECEIVING STORM INLET - CONTRACTOR TO INSTALL STORM INLET PROTECTION AT ALL AREA 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 ON SHEET C2.1.
3. LIMITS OF DISTURBANCE

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-HOLING 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 CROSSESS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. IF 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
12735

Sheet
C2.0 of **9**



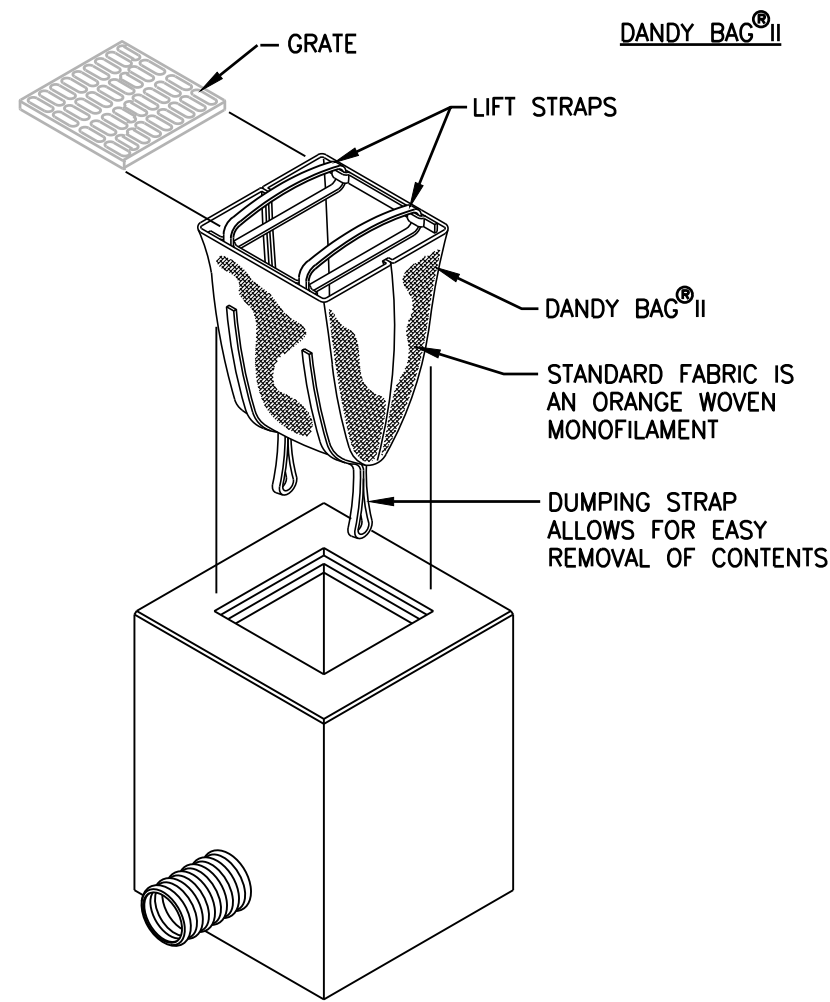
RECORD DRAWINGS TESC NOTES AND DETAILS

COSTCO WHOLESALE FUEL EXPANSION

9955 COORS BYPASS BLVD NW

ALBUQUERQUE, NM 87114

COSTCO WHOLESALE FACILITY #1016



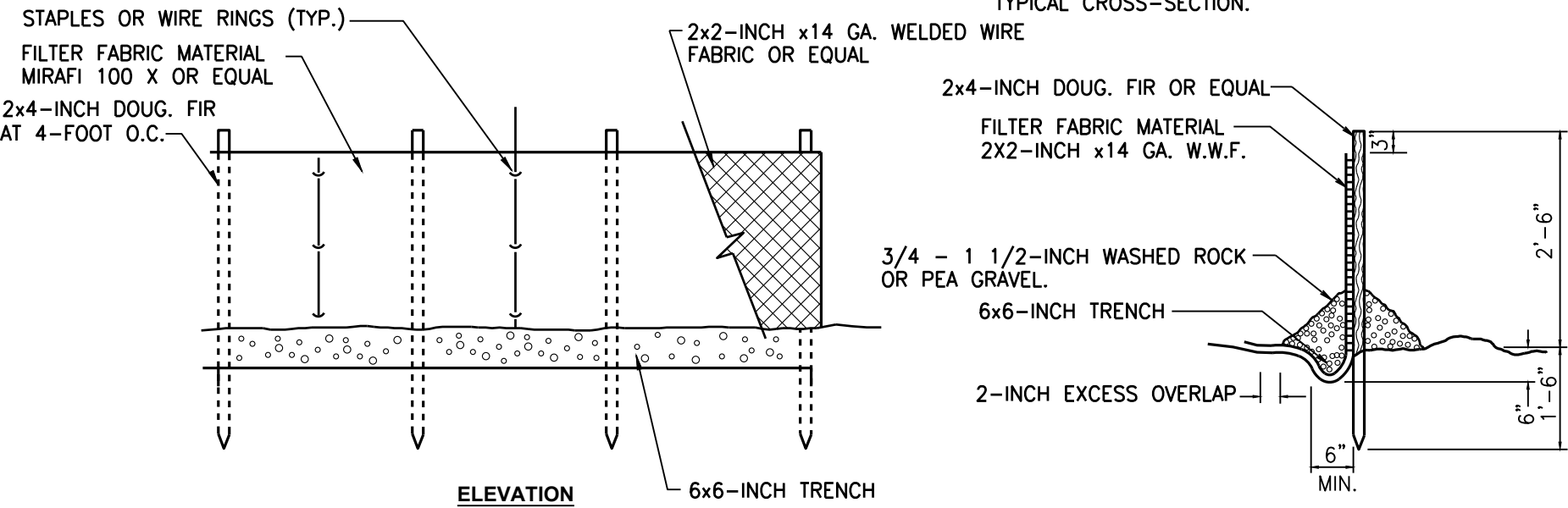
CATCH BASIN FILTER BAG

SCALE: N.T.S

DANDY BAG® II
INSTALLATION AND MAINTENANCE GUIDELINES:

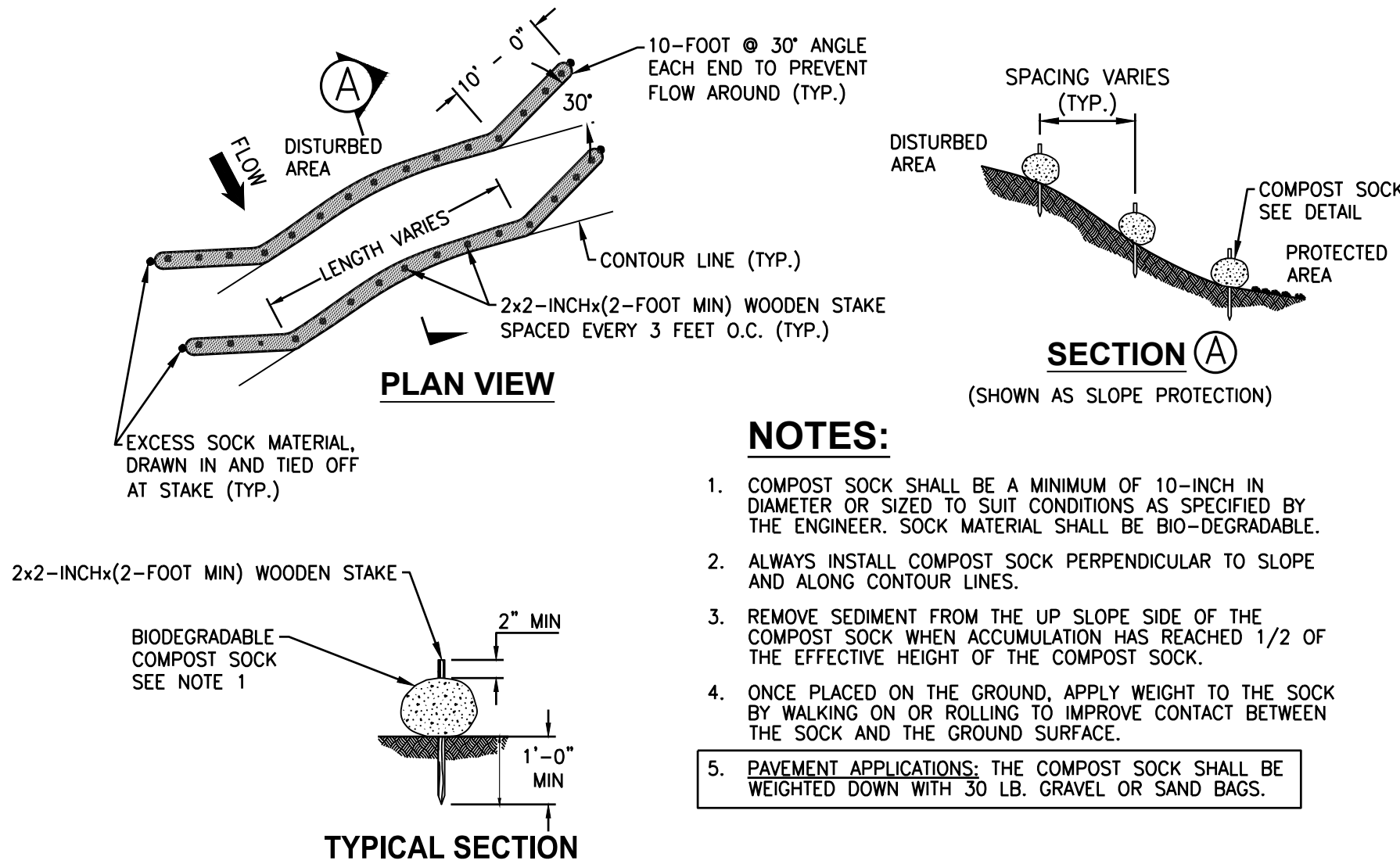
INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG® II SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY BAG® II. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS, REPLACE ABSORBENT WHEN NEAR SATURATION.



FILTER FABRIC FENCE DETAIL

SCALE: N.T.S



NOTES:

- COMPOST SOCK SHALL BE A MINIMUM OF 10-INCH IN DIAMETER OR SIZED TO SUIT CONDITIONS AS SPECIFIED BY THE ENGINEER. SOCK MATERIAL SHALL BE BIO-DEGRADABLE.
- ALWAYS INSTALL COMPOST SOCK PERPENDICULAR TO SLOPE AND ALONG CONTOUR LINES.
- REMOVE SEDIMENT FROM THE UP SLOPE SIDE OF THE COMPOST SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE COMPOST SOCK.
- ONCE PLACED ON THE GROUND, APPLY WEIGHT TO THE SOCK BY WALKING ON OR ROLLING TO IMPROVE CONTACT BETWEEN THE SOCK AND THE GROUND SURFACE.
- PAVEMENT APPLICATIONS: THE COMPOST SOCK SHALL BE WEIGHTED DOWN WITH 30 LB. GRAVEL OR SAND BAGS.

COMPOST FILTER SOCK DETAIL

SCALE: N.T.S

EROSION CONTROL NOTES:

- ALL NECESSARY EQUIPMENT AND MATERIALS SHALL BE AVAILABLE ON SITE TO FACILITATE RAPID INSTALLATION OF EROSION AND SEDIMENT CONTROL BMPs WHEN RAIN IS IMMINENT.
- 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.
- 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.
- ADEQUATE EROSION AND SEDIMENT CONTROL AND PERMETER PROTECTION BEST MANAGEMENT PRACTICE MEASURES MUST BE INSTALLED AND MAINTAINED.

CONSTRUCTION SEQUENCE:

- SCHEDULE AND ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE AUTHORITY HAVING JURISDICTION, IF REQUIRED.
- INSTALL CATCH BASIN PROTECTION AS INDICATED ON THE APPROVED PLANS.
- REMOVE EXISTING ASPHALT AND/OR CONCRETE PAVEMENT AND CURB AS INDICATED ON THE DEMOLITION PLAN.
- INSTALL STORM DRAINAGE IMPROVEMENTS AS INDICATED ON THE APPROVED PLANS.
- INSTALL FUELING CANOPY AND ASSOCIATED IMPROVEMENTS AS INDICATED ON THE APPROVED PLANS.
- INSTALL SITE PAVING AND CONCRETE CURBING.
- INSTALL SITE LANDSCAPING AND IRRIGATION AS INDICATED ON THE APPROVED PLANS.
- EROSION CONTROL MEASURES TO BE MAINTAINED IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND MANUFACTURERS RECOMMENDATIONS THROUGH THE DURATION OF THE SITE DEVELOPMENT.
- UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROVED BY THE AUTHORITY HAVING JURISDICTION.

MAINTENANCE NOTES:

- MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
 - REPAIR DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION AT THE END OF EACH WORKING DAY.
 - SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
 - SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
 - SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1 FOOT.
 - SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
 - RILLS AND GULLIES MUST BE REPAIRED.
- SAND BAG INLET PROTECTION SHALL BE CLEANED OUT WHENEVER SEDIMENT DEPTH IS ONE HALF THE HEIGHT OF ONE SAND BAG.

EROSION AND SEDIMENT CONTROL MEASURES:

- THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 1 TO APRIL 30. FACILITIES ARE TO BE OPERABLE PRIOR TO SEPTEMBER 15 OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDED SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES. DURING THE NON-RAINY SEASON BEST MANAGEMENT PRACTICES (BMPs) MUST BE IMPLEMENTED DURING CONSTRUCTION WHICH INCLUDES, BUT IS NOT LIMITED TO: STABILIZED CONSTRUCTION ENTRANCE, TIRE WASH AREA AND INLET PROTECTION.
- THIS PLAN COVERS ONLY THE FIRST WINTER FOLLOWING GRADING WITH ASSUMED SITE CONDITIONS AS SHOWN ON THE EROSION CONTROL PLAN. PRIOR TO SEPTEMBER 15, THE COMPLETION OF SITE IMPROVEMENT SHALL BE EVALUATED AND REVISIONS MADE TO THIS PLAN AS NECESSARY WITH THE APPROVAL OF THE CITY ENGINEER. PLANS ARE TO BE RESUBMITTED FOR CITY APPROVAL PRIOR TO SEPTEMBER 1 OF EACH SUBSEQUENT YEAR UNTIL SITE IMPROVEMENTS ARE ACCEPTED BY THE CITY.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. ALL CONSTRUCTION TRAFFIC ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE WAYS. (ALSO INCLUDE THIS NOTE ON GRADING PLANS.)
- CONTRACTOR SHALL MAINTAIN STABILIZED ENTRANCE AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED DAILY AND AS REQUIRED BY THE CITY.
- IF HYDROSEEDING IS NOT USED OR IS NOT EFFECTIVE BY 09/23, THEN OTHER IMMEDIATE METHODS SHALL BE IMPLEMENTED, SUCH AS EROSION CONTROL BLANKETS, OR A THREE-STEP APPLICATION OF 1) SEED, MULCH, FERTILIZER 2) BLOWN STRAW 3) TACKIFIER AND MULCH.
- INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT.
- LOTS WITH HOUSES UNDER CONSTRUCTION WILL NOT BE HYDROSEEDDED. EROSION PROTECTION FOR EACH LOT WITH A HOUSE UNDER CONSTRUCTION SHALL CONFORM TO THE TYPICAL LOT EROSION CONTROL DETAIL SHOWN ON THIS SHEET.
- THIS EROSION AND SEDIMENT CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS, VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. NOTIFY THE CITY REPRESENTATIVE OF ANY FIELD CHANGES.

DEMOLITION NOTES:

- ALL PAVEMENTS, SLABS, GROUND COVER, UTILITIES, ETC., INSIDE DEMOLITION LIMITS SHALL BE REMOVED UNLESS OTHERWISE SHOWN ON THE PLANS.
- CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE VARIOUS UTILITY COMPANIES ON REQUESTING DISCONNECTIONS, REMOVALS AND/OR RELOCATION OF EXISTING SERVICE.
- CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS AND CONSTRUCTION APPROVALS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL REPLACE ALL EXISTING CURB, PAVEMENT AND/OR LANDSCAPING DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY.
- CONTRACTOR SHALL, PRIOR TO CONSTRUCTION OR REMOVAL OF IMPROVEMENTS, FIELD VERIFY AND CONFIRM LIMITS OF DEMOLITION AS WELL AS EXISTING UTILITIES AND IMPROVEMENTS TO REMAIN.

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.

HAULING/SILTATION CONTROL NOTES:

- 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.
- CONTRACTOR SHALL PROVIDE SILT BAGS OR OTHER SILTATION CONTROL MEASURES ON EXISTING CATCH BASIN(S) IN PROXIMITY OF WORK WHICH HAVE POTENTIAL TO RECEIVE SURFACE RUNOFF FROM THE WORK AREA OR ANY LOCATIONS THAT MAY BE DESIGNATED BY THE AUTHORITY HAVING JURISDICTION DURING THE COURSE OF THE WORK.
- EFFORTS SHALL BE MADE DURING CONSTRUCTION ACTIVITIES TO STABILIZE ALL DISTURBED AREAS AS QUICKLY AS POSSIBLE TO MINIMIZE EROSION.
- 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.
- CONTRACTOR TO REVIEW AS-BUILT DRAWINGS IN PROJECT AREA AND REMOVE AND/OR RELOCATE ANY SITE APPURTENANCES IN PROJECT AREA THAT IMPACT THE PROJECT.

DUST CONTROL NOTES:

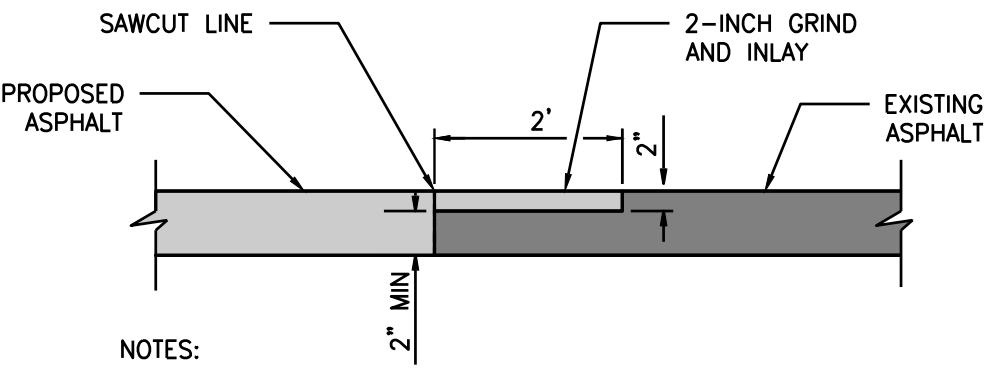
- WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
- WATER OR COVER STOCKPILES OF DEBRIS, SOIL, SAND OR OTHER MATERIALS THAT CAN BE BLOWN BY THE WIND.
- COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
- SWEEP DAILY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

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 MANAGEMENT STAGING REQUIREMENTS.

DEWATERING NOTE:

BASED UPON THE GEOTECHNICAL REPORT, DEWATERING MAY BE REQUIRED FOR PERCHED GROUNDWATER. THE GENERAL CONTRACTOR SHALL CONTACT THE AUTHORITY HAVING JURISDICTION OVER THIS PROJECT AND OBTAIN REQUIREMENTS FOR TREATMENT AND/OR DISCHARGE OF THE REMOVED GROUNDWATER.



NOTES:

- EXISTING DEPTH OF ASPHALT MUST BE AT LEAST 4-INCH 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.
- APPLY HOT RUBBER SEALANT COMPOUND ALONG JOINT PER ASTM D6690.

LAP JOINT

SCALE: NOT TO SCALE

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 POTHOLES 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.

1	06/20/25	LAG	JSI	MESP	RECORD DRAWINGS	Revision
No.	Date	By	Cd.	Appr.		

Title:

RECORD DRAWINGS TESC NOTES AND DETAILS
9955 COORS BYPASS BLVD NW
ALBUQUERQUE, NM 87114
COSTCO WAREHOUSE #1016

For:



Scale:

Horizontal N/A
Vertical N/A

Designed LAG

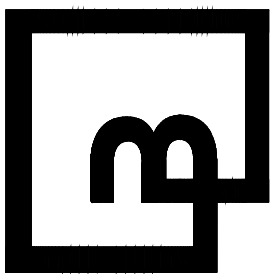
Drawn JSI

Checked MESP

Approved MESP

Date 03/01/24

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



Job Number
12735

Sheet

C2.1 of 9



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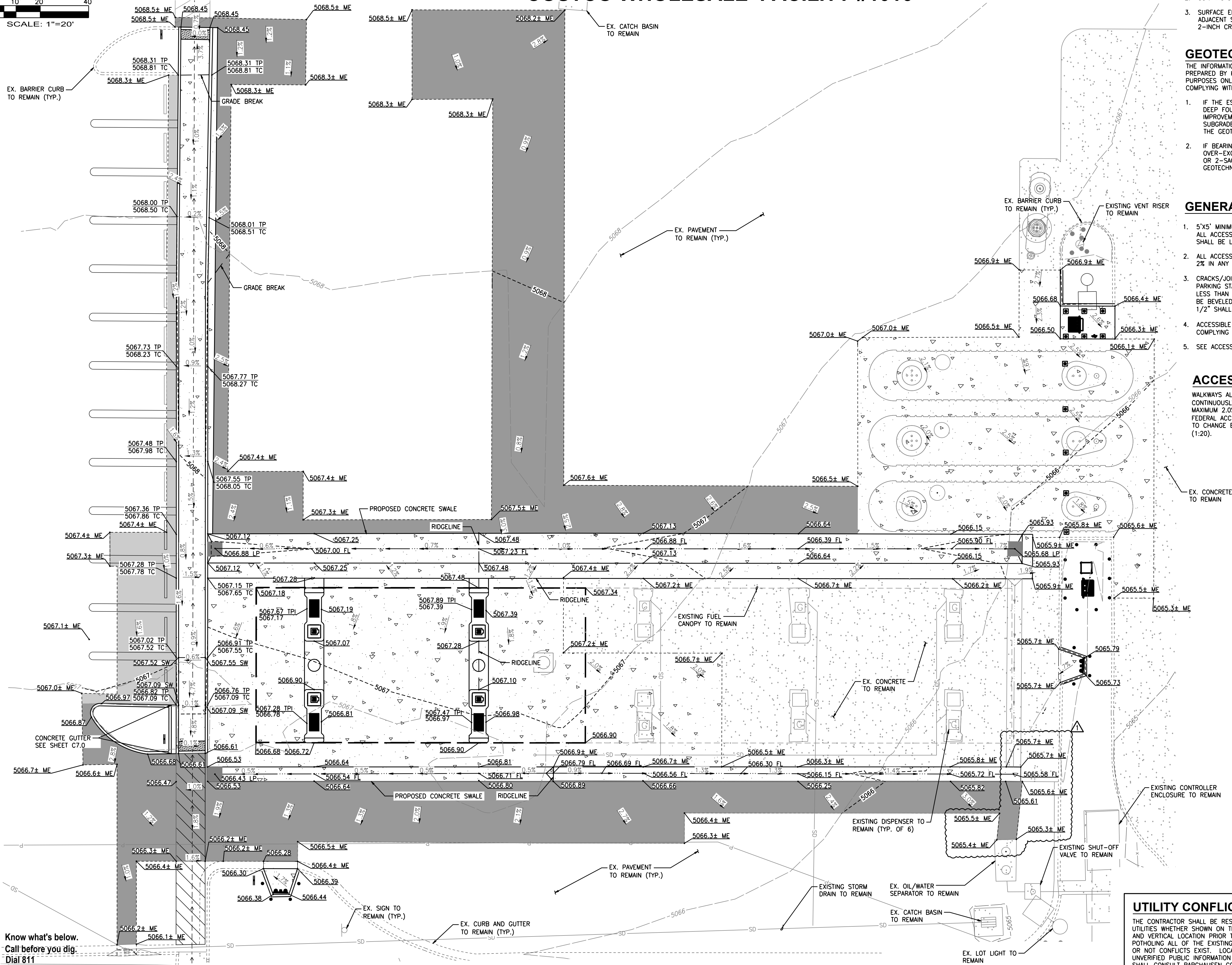
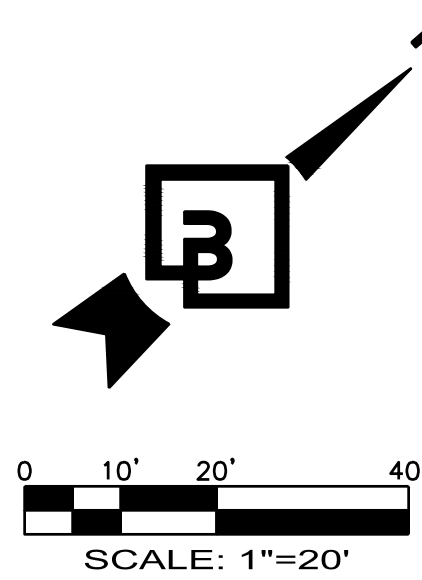
COSTCO WHOLESALE FACILITY #1016



1. PROPOSED 68-FOOT x 32-FOOT PUMP ISLAND CANOPY WITH (4) MULTI-PRODUCT DISPENSERS. SEE STRUCTURAL PLANS.
2. PROPOSED REINFORCED CONCRETE FUELING AREA DRIVE SLAB. SEE DETAIL ON SHEET C7.0.
3. NEW MULTI-PRODUCT DISPENSER AND PUMP ISLAND. SEE DETAIL ON SHEET C7.1.
4. PROPOSED REINFORCED CONCRETE DRIVE SLAB OVER TANKS. SEE DETAIL ON SHEET C7.0.
5. PROPOSED HEAVY DUTY ASPHALT PAVEMENT. SEE DETAIL ON SHEET C7.0.
6. PROPOSED LIGHT DUTY ASPHALT PAVEMENT. SEE DETAIL ON SHEET C7.0.
7. PROPOSED CONCRETE CURB AND GUTTER. SEE DETAIL ON SHEET C7.0.
8. PROPOSED CONCRETE BARRIER CURB. SEE DETAIL ON SHEET C7.0.
9. PROPOSED ARROW PAVEMENT MARKING. SEE ARCHITECTURAL PLANS.
10. PROPOSED LANE PAVEMENT PAINT STRIPING. SEE ARCHITECTURAL PLANS.
11. PROPOSED EMERGENCY SHUT-OFF SWITCH. PER SEPARATE PLAN AND PERMIT.
12. PROPOSED LOT LIGHT. SEE SEPARATE PLANS BY OTHERS.
13. PROPOSED ADA COMPLIANT CURB RAMP WITH TRUNCATED DOMES. SEE ARCHITECTURAL PLANS.
14. PROPOSED VST GREEN MACHINE. PER SEPARATE PLAN AND PERMIT.
15. PROPOSED DETECTABLE WARNING STRIP. SEE ARCHITECTURAL PLANS.
16. PROPOSED SIGNAGE. SEE ARCHITECTURAL PLANS.
17. PROPOSED BOLLARDS (TYP.). SEE ARCHITECTURAL PLANS.
18. PROPOSED SPEED BUMP. SEE ARCHITECTURAL PLANS.
19. PROPOSED 3-FOOT WIDE CONCRETE SWALE. SEE DETAIL ON SHEET C7.0.
20. PROPOSED OVERFILL ALARM. SEE TANK AND ELECTRICAL PLANS FOR FURTHER DETAILS.
21. PROPOSED 6-FOOT WIDE CONCRETE SWALE. SEE DETAIL ON SHEET C7.0.
22. PROPOSED PARKING STALL PAINT STRIPING. SEE ARCHITECTURAL PLANS.
23. PROPOSED WHEEL STOP (TYP.). SEE ARCHITECTURAL PLANS.
24. PROPOSED CROSSWALK PAINT STRIPING. SEE ARCHITECTURAL PLANS.
25. PROPOSED STOP BAR PAINT STRIPING. SEE ARCHITECTURAL PLANS.
26. PROPOSED SURFACE MOUNTED BOLLARDS. SEE ARCHITECTURAL PLANS.
27. PROPOSED TRANSITION SUMP. PER SEPARATE PLAN AND PERMIT.
28. PROPOSED TMS CABINET MOUNT. PER SEPARATE PLAN AND PERMIT.
29. PROPOSED VENT SUMP. PER SEPARATE PLAN AND PERMIT.
30. PROPOSED RAISED SIDEWALK. SEE DETAIL AND SECTION ON SHEET C7.0, AND ARCHITECTURAL PLANS.
31. PROPOSED CONCRETE GUTTER SWALE. SEE DETAIL ON SHEET C7.0.

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-HOLING 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 THE UTILITIES EXIST. LOCATIONS SHOWN ON THESE PLANS ARE BASED ON RECORD DRAWINGS AND 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.

RECORD DRAWINGS GRADING PLAN
COSTCO WHOLESALE FUEL EXPANSION
9955 COORS BYPASS BLVD NW
ALBUQUERQUE, NM 87114
COSTCO WHOLESALE FACILITY #1016



GRADING NOTES

- ALL SPOT ELEVATIONS SHOWN ARE TO FINISH SURFACE (TOP OF ASPHALT OR TOP OF CONCRETE PAVEMENT, NOT TOP OF CURB/SIDEWALK) UNLESS OTHERWISE NOTED.
TC = TOP OF CONCRETE SIDEWALK/CURB
TP = TOP OF PAVEMENT
ME = MATCH EXISTING ELEVATIONS
TPI = TOP OF DISPENSER ISLAND
FL = FLOW LINE
SW = SIDEWALK
- CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT ALL SAWCUT LOCATIONS.
- SURFACE ELEVATIONS SHOWN AT THE TANK LIDS ARE BASED ON THE ADJACENT SURFACE ELEVATION AND DO NOT INCLUDE THE ADDITIONAL 2-INCH GROWN REQUIRED AT EACH LID.

GEOTECHNICAL RECOMMENDATIONS

- THE INFORMATION BELOW IS TAKEN FROM THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY KLENFELDER, DATED FEBRUARY 8, 2022 AND IS FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING AND COMPLYING WITH ALL RECOMMENDATIONS OUTLINED IN THE GEOTECH REPORT.
- IF THE ESTIMATED SETTLEMENTS ARE NOT TOLERABLE, ITS IS RECOMMENDED THAT A DEEP FOUNDATION, SUCH AS DRILLED PILES, BE CONSIDERED OR GROUND IMPROVEMENT BE PERFORMED. IF SHALLOW FOUNDATIONS ARE USED THE EXPOSED SUBGRADE AT THE BOTTOM OF THE FOOTING EXCAVATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER FOR PRESENCE OF SUITABLE BEARING MATERIALS.
 - IF BEARING MATERIALS ARE UNSATISFACTORY, IT IS RECOMMENDED THE AREA BE OVER-EXCAVATED AND REPLACED WITH STRUCTURAL FILL, STRUCTURAL CONCRETE, OR 2-SACK SAND-CEMENT SLURRY TO THE DEPTH DETERMINED BY THE GEOTECHNICAL ENGINEER.

GENERAL ACCESSIBLTY NOTES:

- 5'X5' MINIMUM DIMENSION LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF ALL ACCESSIBLE RAMPS AND CHANGES IN ACCESSIBLE PATH DIRECTION. LANDINGS SHALL BE LESS THAN 2% SLOPE IN ANY DIRECTION.
- ALL ACCESSIBLE PARKING STALLS AND LOADING ZONES SHALL BE SLOPED LESS THAN 2% IN ANY DIRECTION.
- CRACKS/JOINTS GREATER THAN 1/2" WIDE IN ALL ACCESSIBLE PATHWAYS, RAMPS, PARKING STALLS, AND LOADING AREAS MUST BE FILLED. CHANGES IN LEVEL MUST BE LESS THAN 1/4" VERTICAL RISE. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.
- ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6" MUST PROVIDE HAND RAILS COMPLYING WITH FEDERAL ACCESSIBILITY STANDARDS.
- SEE ACCESSIBLE PATH OF TRAVEL NOTE THIS SHEET FOR FURTHER DETAILS.

ACCESSIBLE PATH OF TRAVEL NOTE:

WALKWAYS ALONG ACCESSIBLE ROUTES OF TRAVEL SHALL BE CONTINUOUSLY ACCESSIBLE, BE A MINIMUM OF 48" IN WIDTH, HAVE A MAXIMUM 2.0% CROSS SLOPE, AND SHALL HAVE RAMPS COMPLYING WITH FEDERAL ACCESSIBILITY STANDARDS (SECTION 405) WHERE NECESSARY TO CHANGE ELEVATION AT A LONGITUDINAL SLOPE NOT EXCEEDING 5% (1:20).

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 POTHOLES 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.

No.	Date	By	Chd.	Appr.	Revision
1	05/20/25	LAG	JSI	MESP	RECORD DRAWINGS

Title:

Costco
WHOLESALE
COSTCO WHOLESALE
730 LAKE DRIVE
ISSAQUAH, WA 98027

For:



Scale:

Horizontal

1"=20'

Vertical

N/A

Designed

LAG

Drawn

JSI

Checked

MESP

Approved

MESP

Date

03/01/24

Barghausen
Consulting Engineers, LLC.



Job Number

12735

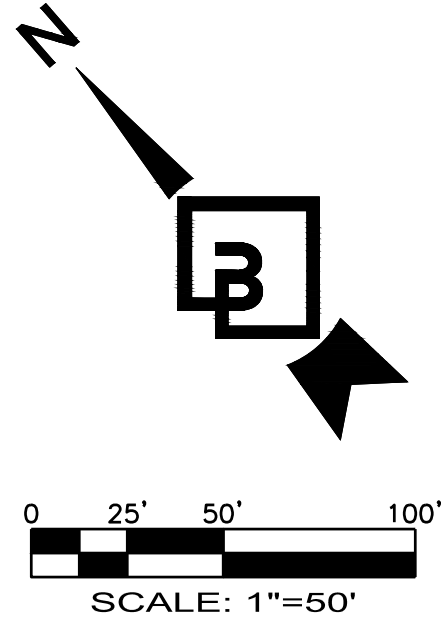
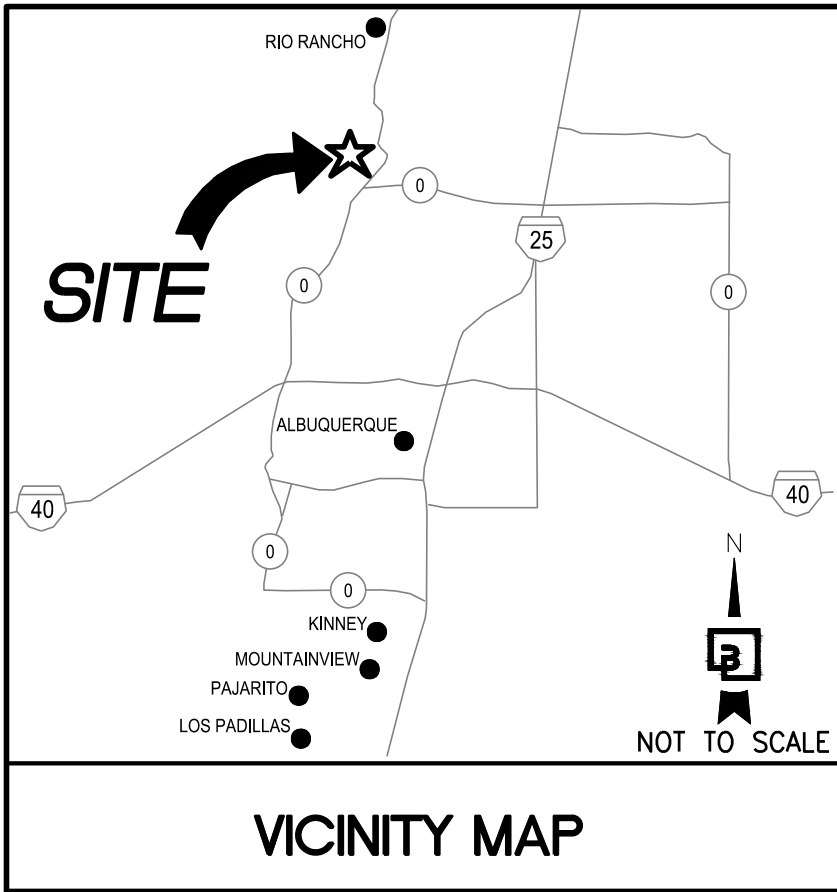
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RECORD DRAWINGS STORMWATER PLAN

COSTCO WHOLESALE FUEL EXPANSION 9955 COORS BYPASS BLVD NW ALBUQUERQUE, NM 87114 COSTCO WHOLESALE FACILITY #1016

Calculations-Costco Albuquerque III-9955 Coors Bypass Blvd NW
Based on City of Albuquerque DMP, Article 6-2 date June 26, 2020
100-Year, 6-hour Calculations-Precepition Zone 1

Area of disturbance: 614,392 SF = 14.10 ACRE

HISTORIC FLOWS:			DEVELOPED FLOWS:			Excess Percipitation:	
Area	Tretment SF	%	Area	Tretment S	%	E _A =	
Area A	0	0%	Area A	0	0%	E _A =	0.55
Area B	59,468	10%	Area B	57,850	9%	E _B =	0.73
Area C	0	0%	Area C	0	0%	E _C =	0.95
Area D	554,924	90%	Area D	556,542	91%	E _D =	2.24
Total Area	614,392	100%	Total Area	614,392	100%		

On-site Weighted Excess Precipitation (100-year, 6-hour storm)

Weighted E= $\frac{E_A A_A + E_B A_B + E_C A_C + E_D A_D}{A_A + A_B + A_C + A_D}$

Historic E	Developed E
2.09 in	2.10 in

On-site Volume of Runoff: V₃₆₀ = E x A / 12

Historic V ₃₆₀	Developed V ₃₆₀
107,203 CF	107,407 CF

On-site Peak Discharge Rate: Q_p=Q_{uA}A_A+Q_{uB}A_B+Q_{uC}A_C+Q_{uD}A_D/43,560

For Precipitation Zone: 1

Q _{uA}	Q _{uB}	Q _{uC}	Q _{uD}
1.54	2.16	2.87	4.12

Historic Q _p	Developed Q _p
55.43 CFS	55.51 CFS

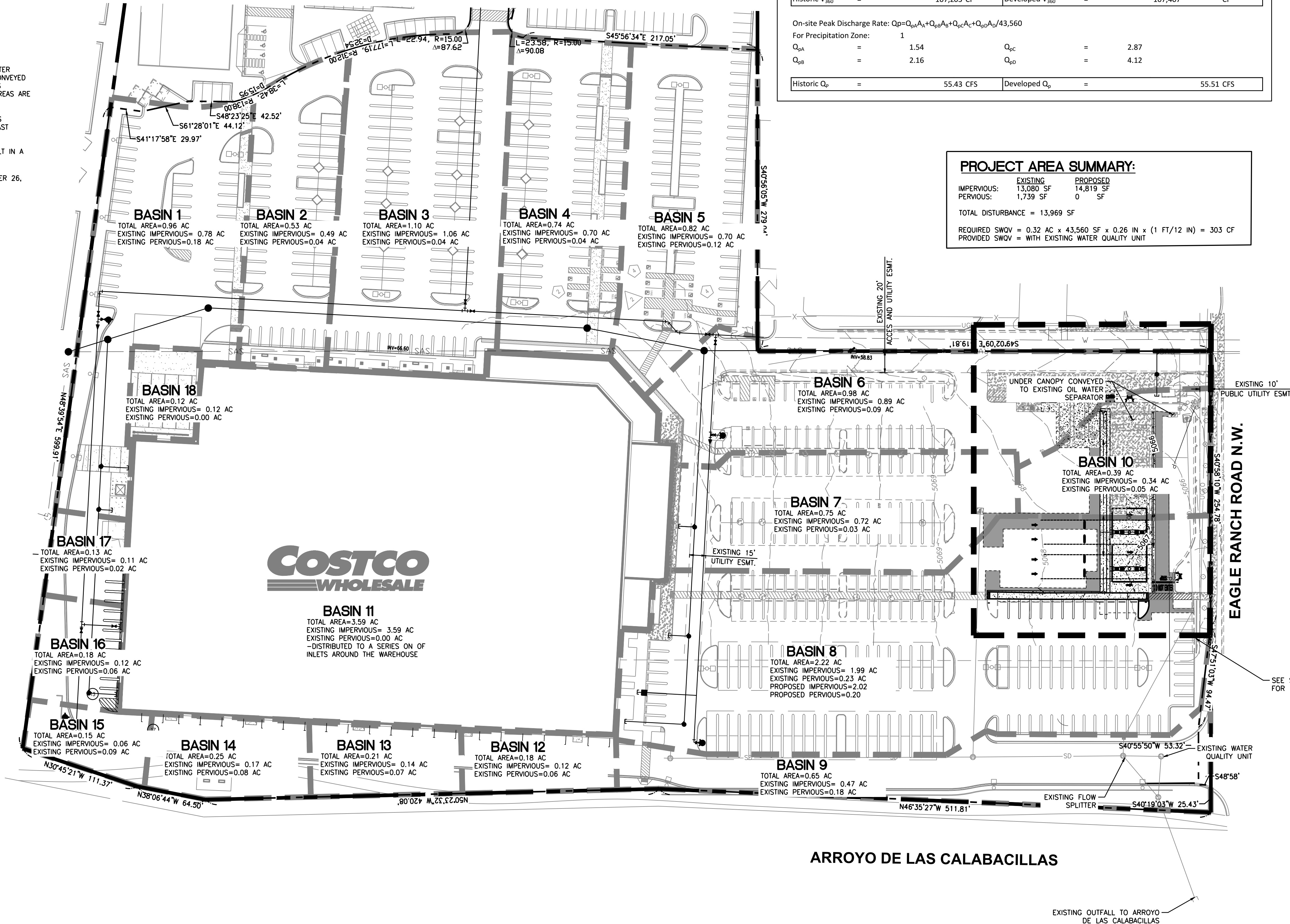
STORMWATER NARRATIVE:

THE SITE IS CURRENTLY DEVELOPED WITH AN EXISTING COSTCO WAREHOUSE, FUEL FACILITY, PARKING, STORMWATER FACILITIES, AND LANDSCAPING. STORMWATER RUNOFF IS TREATED ON-SITE IN WATER QUALITY UNIT AND THEN CONVEYED THROUGH A CLOSED CONVEYANCE SYSTEM TO ARROYO DE LAS CALABACILLAS. THE EXISTING STORM SYSTEM WAS DESIGNED IN THE ORIGINAL WAREHOUSE PLAN DATED AUGUST 17, 2007. EXISTING GRADES WITHIN THE PAVED AREAS ARE RELATIVELY FLAT WITH SLOPES RANGING FROM 0.5 TO 5 PERCENT.

THE PROPOSED IMPROVEMENTS TO THE COSTCO PARKING LOT ARE LARGELY IN BASIN 8 OF THE EXISTING SITE'S CONVEYANCE SYSTEM. THE SITE IS CURRENTLY TREATED BY AN EXISTING WATER QUALITY UNIT LOCATED SOUTHEAST CORNER OF THE SITE PRIOR TO BEING ROUTE TO THE ARROYO DE LAS CALABACILLAS.

THE IMPROVEMENTS INCLUDE EXPANSION THE EXITING FUEL FACILITY. THE PROPOSED IMPROVEMENTS WILL RESULT IN A MINIMAL INCREASE IN IMPERVIOUS AREA. THE PROJECT PROPOSES LESS THAN 10,000 SF OF DISTURBED AREA.

THE SUBJECT SITE IS NOT LOCATED WITHIN A FLOOD ZONE PER FEMA FIRM NO. 35001C0108G DATED SEPTEMBER 26, 2008.



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Or 1-800-321-2537

Revision

No.	Date	By	CS	Appr.	MESP	LAG	JSI	RECORD DRAWINGS
1	06/20/25							

Title:

RECORD DRAWINGS STORMWATER PLAN
9955 COORS BYPASS BLVD NW
ALBUQUERQUE, NM 87114
COSTCO WAREHOUSE #1016

For:

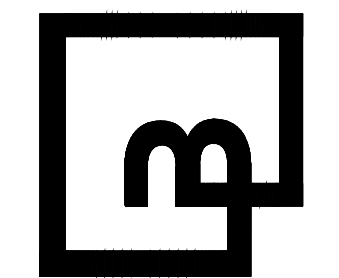
Costco WHOLESALE
COSTCO WHOLESALE
730 LAKE DRIVE
ISSAQUAH, WA 98027



Scale: Horizontal 1"=50' Vertical N/A

Designed	Drawn	Checked	Approved	Date
LAG	JSI	MESP	MESP	03/01/24

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



Job Number 12735
Sheet C5.0 of 9

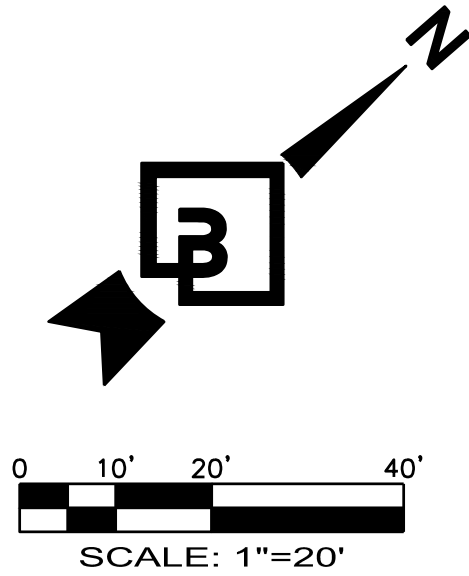
RECORD DRAWINGS DRAINAGE AND UTILITY PLAN

COSTCO WHOLESALE FUEL EXPANSION

9955 COORS BYPASS BLVD NW

ALBUQUERQUE, NM 87114

COSTCO WHOLESALE FACILITY #1016



STORM STRUCTURE NOTES:

1. CONNECT PROPOSED ROOF DRAINS FROM INTERIOR OF COLUMN. SEE ARCHITECTURAL PLANS FOR ROOF DRAIN DETAILS.

MATERIALS NOTE:

1. ALL STORM DRAIN LINES SHALL BE PVC SDR-35 UNLESS OTHERWISE NOTED OR 2 FEET DEPTH OF COVER OVER PIPE CANNOT BE ACHIEVED. IF 2 FEET DEPTH OF COVER CANNOT BE ACHIEVED, DUCTILE IRON PIPE SHALL BE USED. DRAIN PIPING LABELED DI SHALL BE CLASS 52 DUCTILE IRON PIPE. ALL STORM DRAIN PIPES SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CITY STANDARDS.

STORM DRAIN GENERAL NOTES:

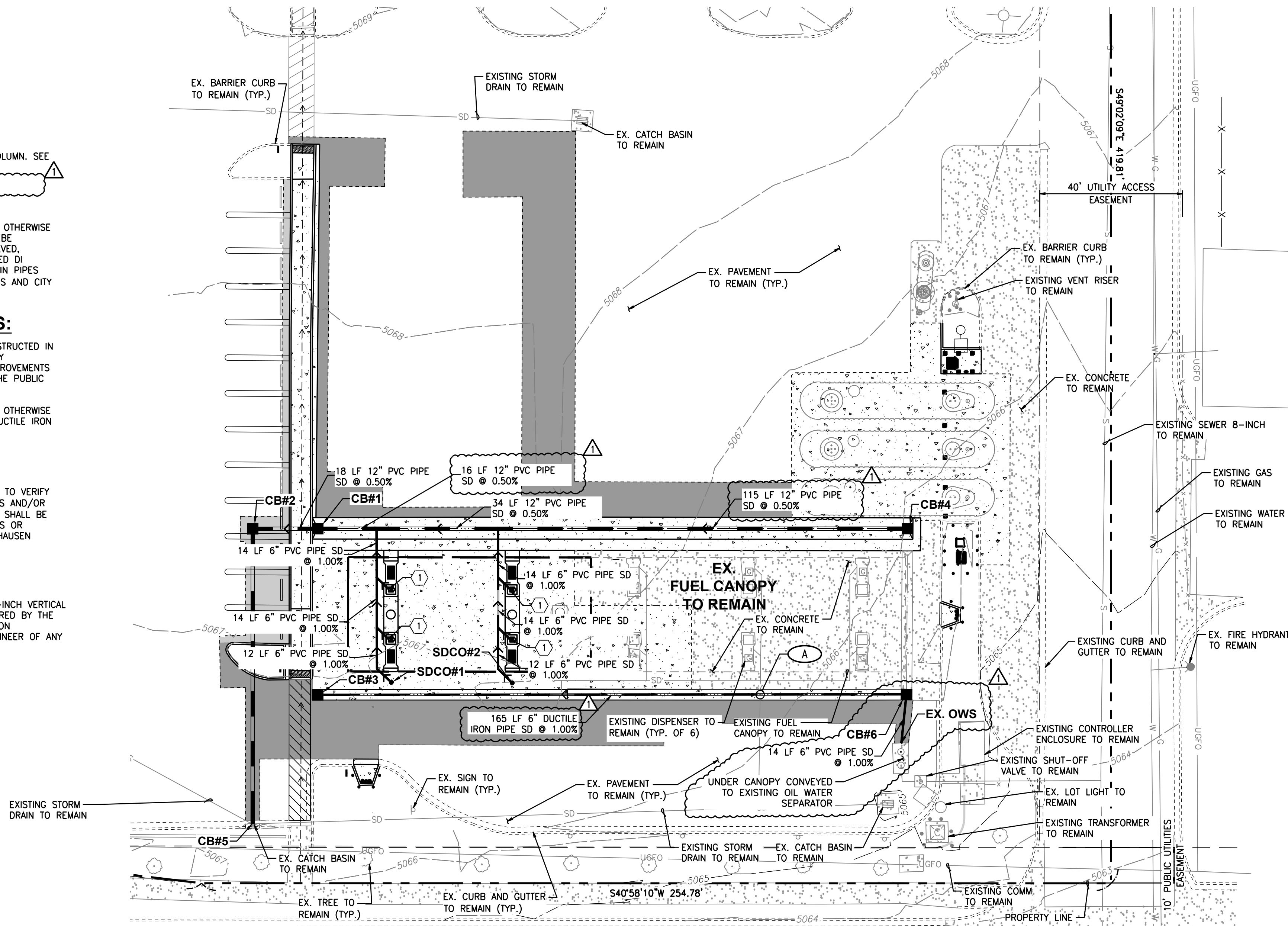
1. ALL GRADING AND PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE CURRENT CITY ORDINANCE AND STANDARD PLANS. THE GRADING AND IMPROVEMENTS ARE SUBJECT TO THE OBSERVATION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT.
2. ALL STORM DRAIN LINES SHALL BE PVC SDR-35 UNLESS OTHERWISE NOTED. DRAIN PIPING LABELED DI SHALL BE CLASS 52 DUCTILE IRON PIPE. ALL STORM DRAIN PIPES SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CITY STANDARDS.

A UTILITY POTHOLES NOTE:

THE CIRCLED LOCATIONS ARE REQUIRED TO BE POTHOLED TO VERIFY VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITIES AND/OR POTENTIAL CONFLICTS WITH EXISTING UTILITIES. POTHOLES SHALL BE PERFORMED PRIOR TO INSTALLING ANY PROPOSED UTILITIES OR STRUCTURAL FEATURES. CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. OF ANY CONFLICTS.

UTILITY CROSSING NOTE:

CONTRACTOR SHALL MAINTAIN MINIMUM SEPARATION OF 6-INCH VERTICAL SEPARATION BETWEEN UTILITIES UNLESS OTHERWISE REQUIRED BY THE CITY OF ALBUQUERQUE. CONTRACTOR TO VERIFY SEPARATION REQUIREMENTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.



STORM STRUCTURES	
CB#1, JENSEN PRECAST CB W/ COSTCO STANDARD GRATE, SEE DETAIL ON SHEET C7.1 RIM=5066.87 IE=5061.82 (12" NE) IE=5061.82 (12" SW)	
CB#2, JENSEN PRECAST CB W/ COSTCO STANDARD GRATE, SEE DETAIL ON SHEET C7.1 RIM=5067.37 IE=5061.73 (12" NE) IE=5061.73 (12" SE)	
CB#3, JENSEN PRECAST CB W/ COSTCO STANDARD GRATE, SEE DETAIL ON SHEET C7.1 RIM=5068.43 IE=5064.75 (6" NE)	
CB#4, JENSEN PRECAST CB W/ COSTCO STANDARD GRATE, SEE DETAIL ON SHEET C7.1 RIM=5065.68 IE=5062.68 (12" SW)	
CB#5, EX. CATCH BASIN RIM=5065.92 IE=5061.32 (12" NW) IE=5061.32 (18" NE)	
CB#6, W/ COSTCO STANDARD GRATE SEE DETAIL ON SHEET C7.1 RIM=5065.58 IE=5063.10 (6" SW) IE=5063.10 (6" SE)	
EX. OWS, RIM=5063.53 IE=5062.96 (6" NW)	
SDCO#1, W/ SOLID TRAFFIC RATED LID RIM=5066.66 IE=5062.39 (6" W)	
SDCO#2, W/ SOLID TRAFFIC RATED LID RIM=5066.84 IE=5063.20 (6" W)	

NOTE: ALL STRUCTURES TO BE TRAFFIC RATED SOLID LID UNLESS OTHERWISE NOTED

***OWS I.E. PROVIDED BY CONTRACTOR

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 POTHOLES 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.

Revision

1 06/20/25 LAG MSJP Apr. RECORD DRAWINGS

Title:

RECORD DRAWINGS
DRAINAGE AND UTILITY PLAN
9955 COORS BYPASS BLVD NW
ALBUQUERQUE, NM 87114
COSTCO WAREHOUSE #1016

Costco
WHOLESALE
COSTCO WHOLESALE
730 LAKE DRIVE
ISSAQUAH, WA 98027

For:

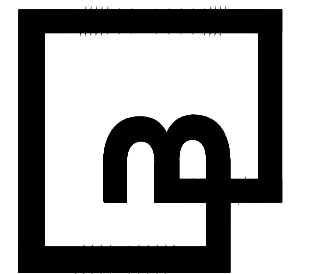


Scale:

Horizontal 1"=20'
Vertical N/A

Designed LAG
Drawn JSI
Checked MSJP
Approved MSJP
Date 03/01/24

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



Job Number
12735

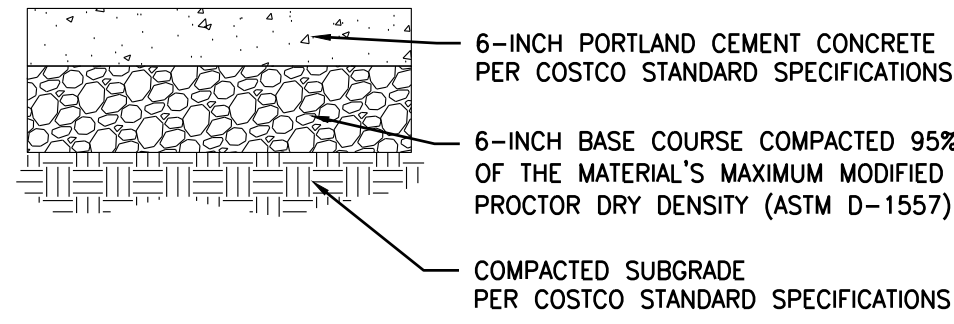
Sheet

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Know what's below.
Call before you dig.
Dial 811
Or 1-800-321-2537

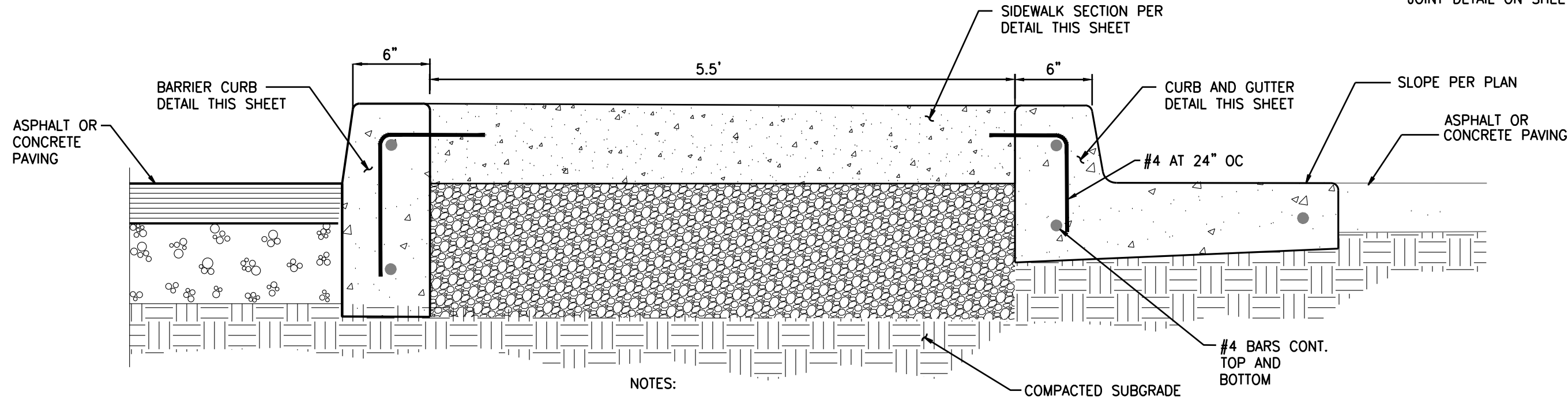
RECORD DRAWINGS DETAILS
COSTCO WHOLESALE FUEL EXPANSION
9955 COORS BYPASS BLVD NW
ALBUQUERQUE, NM 87114
COSTCO WHOLESALE FACILITY #1016



CONCRETE SIDEWALK SECTION

NOT TO SCALE

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



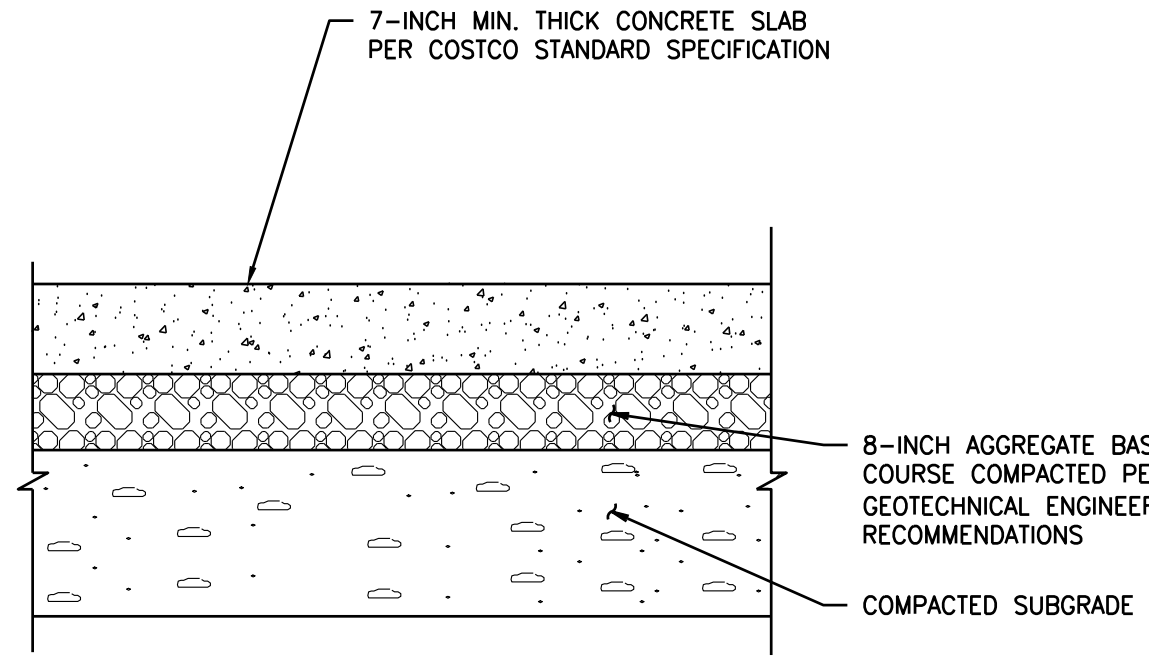
NOTES:

1. EXPANSION JOINT AT 50 FOOT INTERVALS.
2. CONCRETE SHALL BE TYPE 1 OR 2.

RAISED SIDEWALK CURB AND GUTTER

NOT TO SCALE

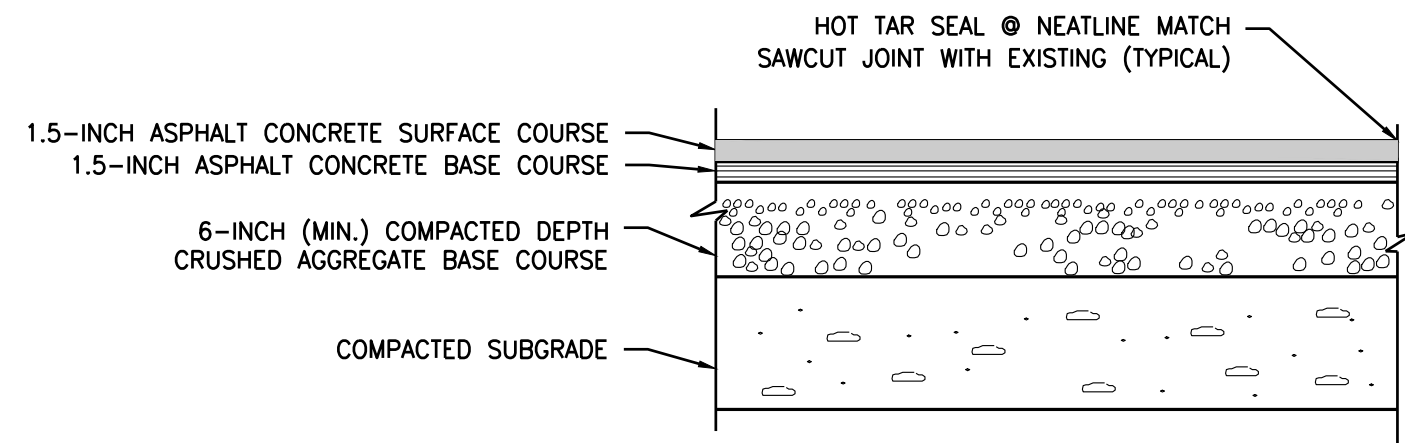
NOTE: PREPARATION OF SUBGRADE SHALL BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATION.



HEAVY DUTY CONCRETE SECTION

NOT TO SCALE

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



NOTES:

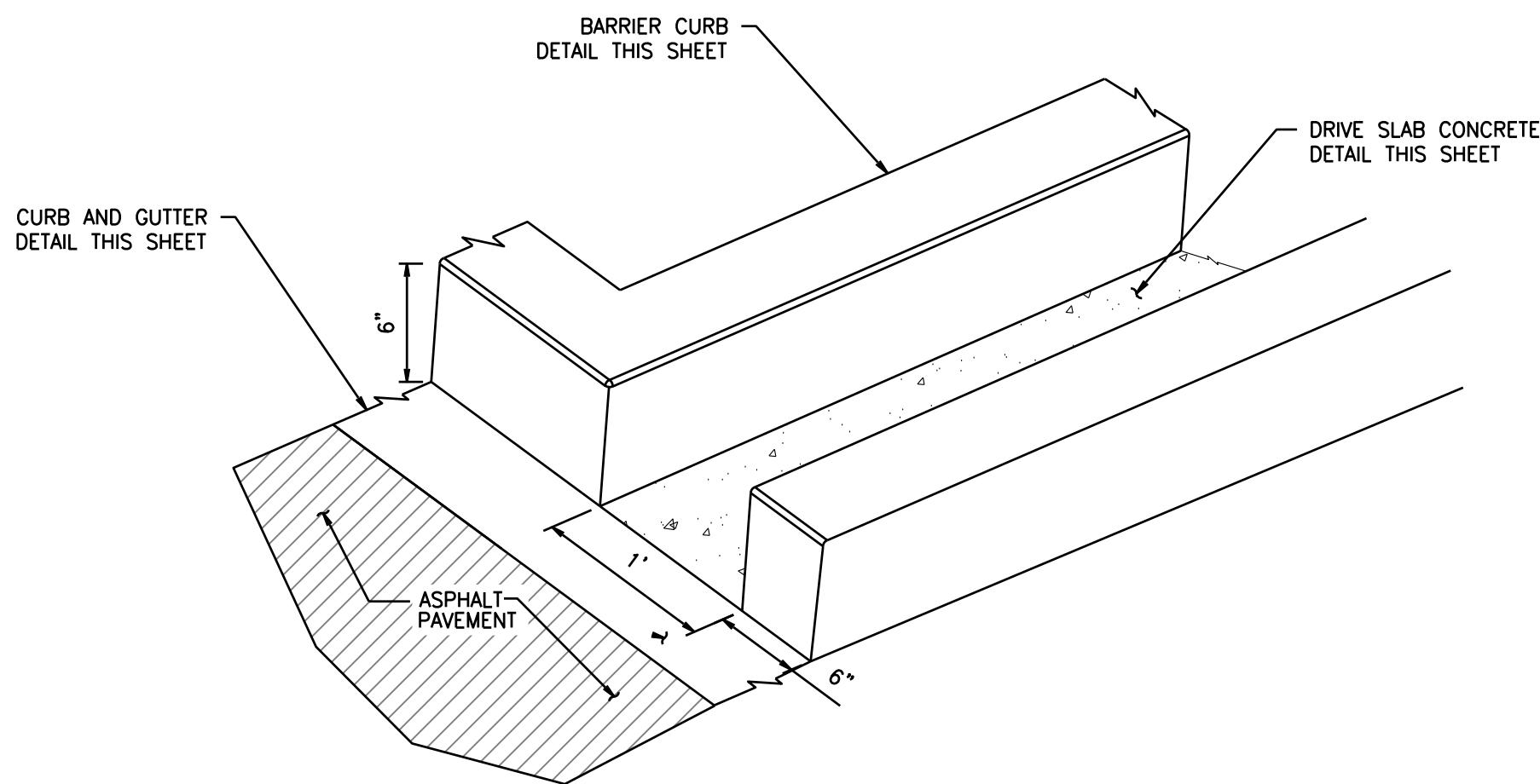
1. A.C. PAVEMENT MATERIAL (HMA, CONCRETE AGGREGATE, ETC.) SUBMITTALS SHALL BE SUBMITTED TO AND APPROVED BY SOILS ENGINEER.
2. PREPARATION OF SUBGRADE SHALL BE PER PROCEDURES OUTLINED IN THE SOILS REPORT.
3. PG BINDER OF 64-16 PER SOIL REPORT.
4. CONTRACTOR SHALL INCLUDE A LUMP SUM FOR ASPHALT SURFACE 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.
5. FOR BASE COURSE LIFTS OF 1.5-INCH THICKNESS, DO NOT USE 3/4-INCH NOMINAL MIX PER COSTCO STANDARD SPECIFICATIONS.

ASPHALT PAVEMENT SECTION (LIGHT)

NOT TO SCALE

REINFORCED DRIVE SLAB OVER TANKS

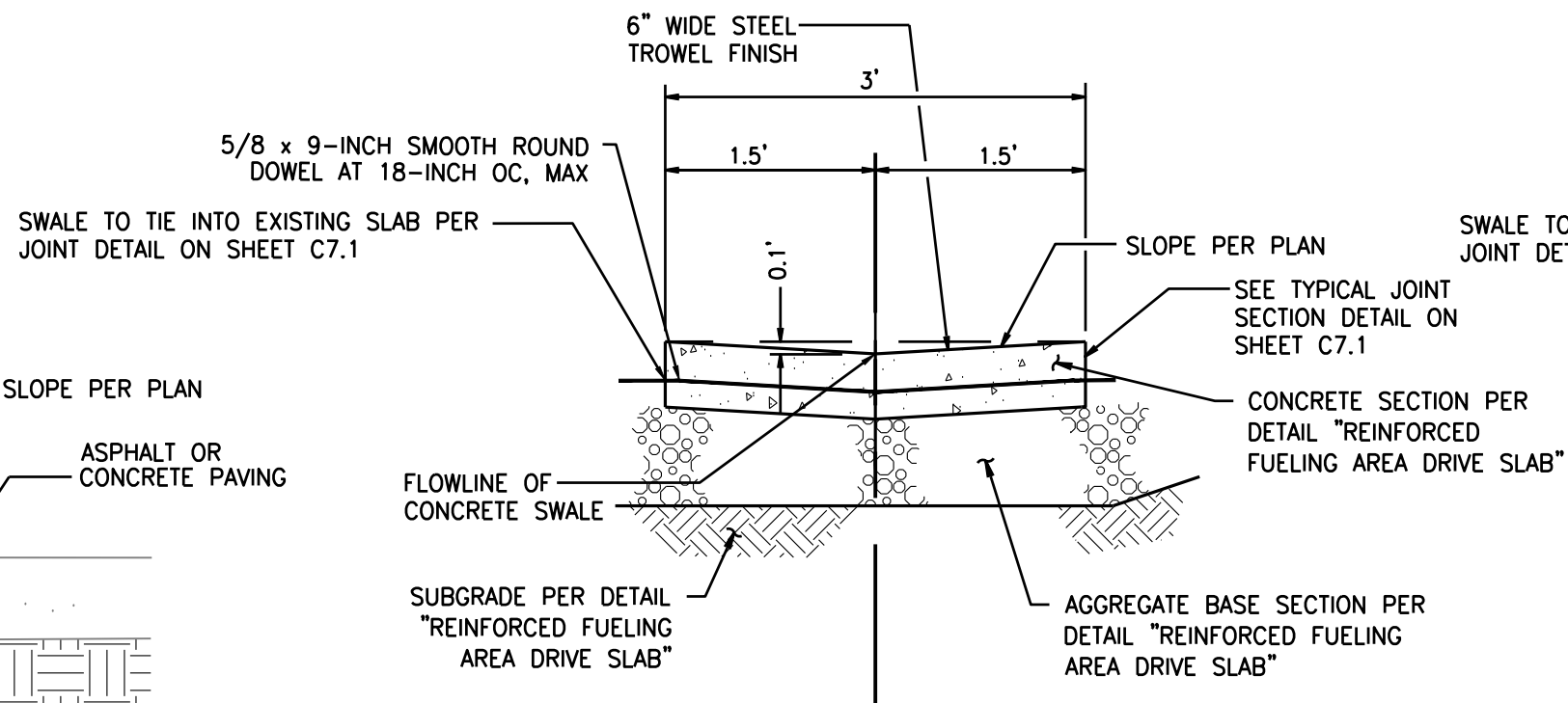
NOT TO SCALE



CEMENT CONCRETE GUTTER SWALE

NOT TO SCALE

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

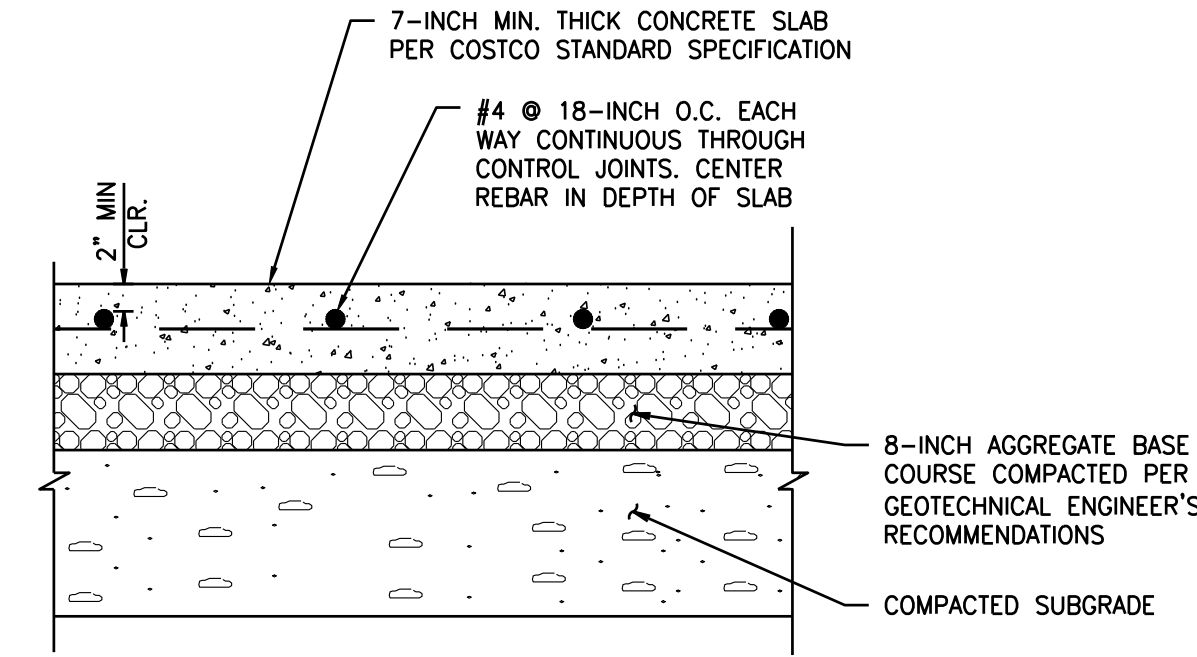


NOTE:

1. GENERAL CONTRACTOR SHALL REFERENCE GEOTECHNICAL REPORT FOR PAVEMENT, AGGREGATE, OVER-EXCAVATION, AND SUBGRADE REQUIREMENTS.

3-FT CONCRETE SWALE

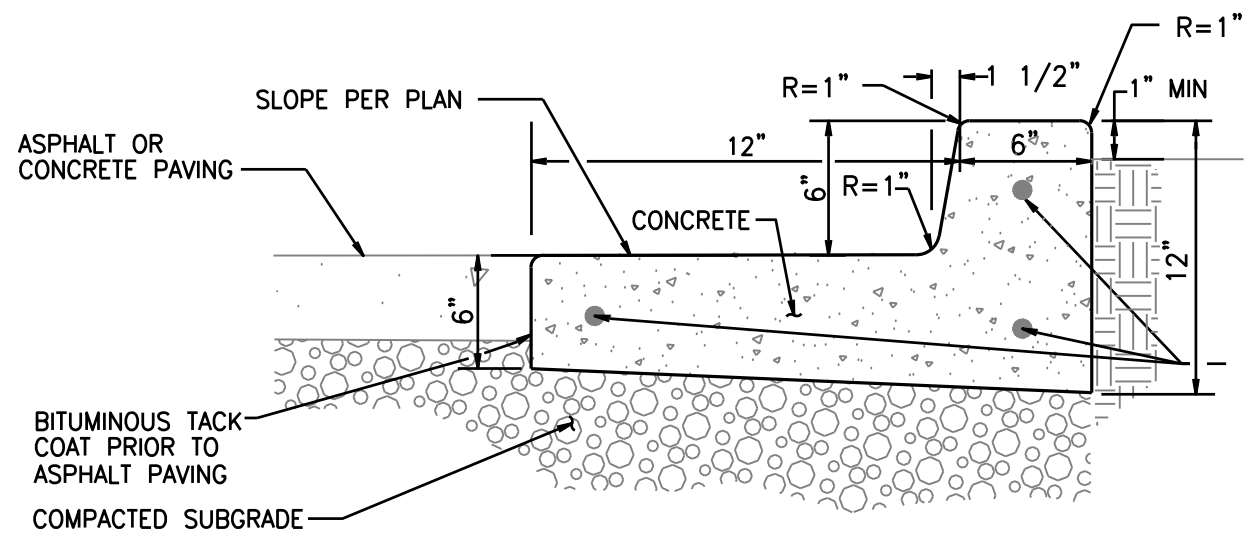
NOT TO SCALE



REINFORCED FUELING AREA DRIVE SLAB (HEAVY)

NOT TO SCALE

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



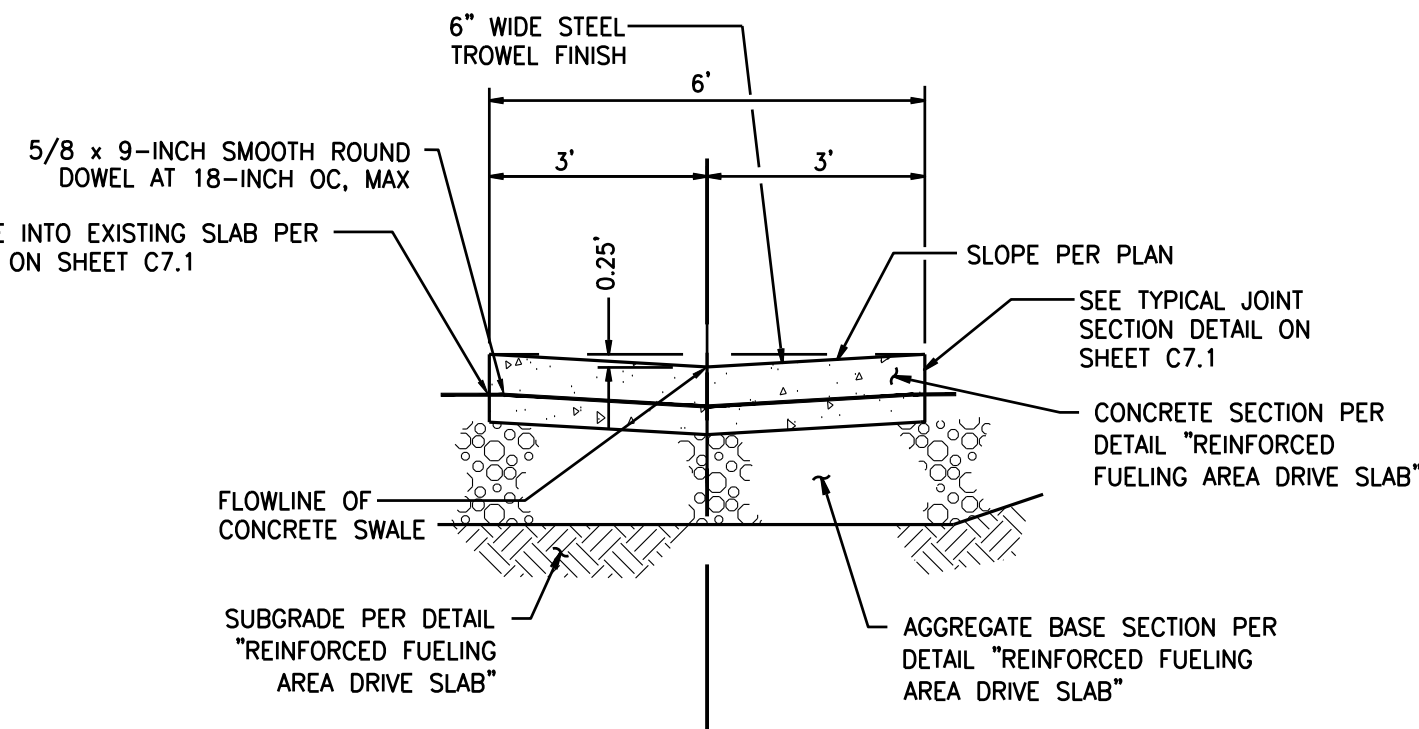
NOTES:

1. EXPANSION JOINT AT 50 FOOT INTERVALS.
2. CONCRETE SHALL BE TYPE 1 OR 2.

CEMENT CONCRETE CURB AND GUTTER

NOT TO SCALE

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

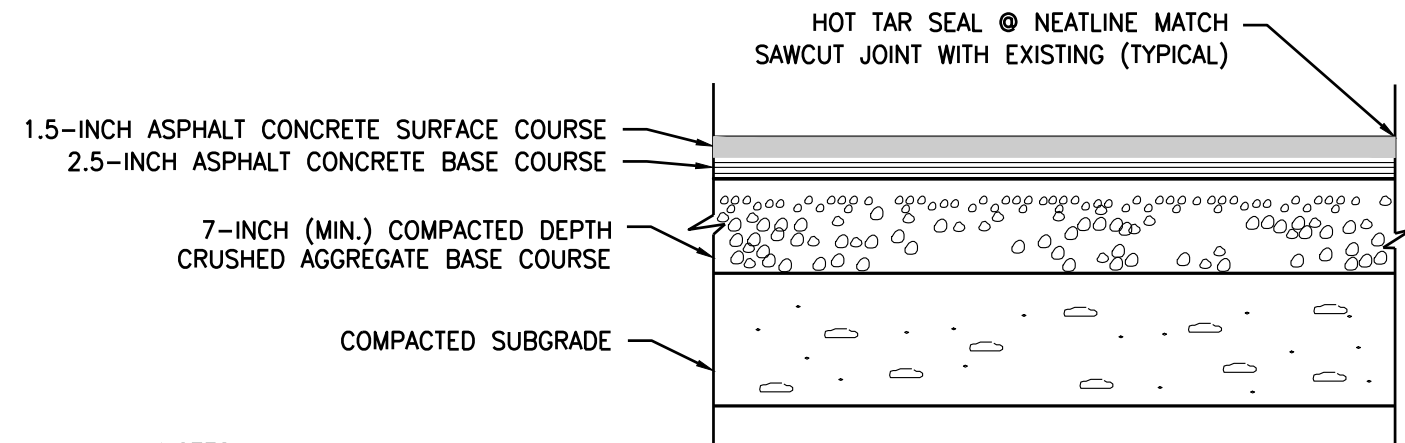


NOTE:

1. GENERAL CONTRACTOR SHALL REFERENCE GEOTECHNICAL REPORT FOR PAVEMENT, AGGREGATE, OVER-EXCAVATION, AND SUBGRADE REQUIREMENTS.

6-FT CONCRETE SWALE

NOT TO SCALE

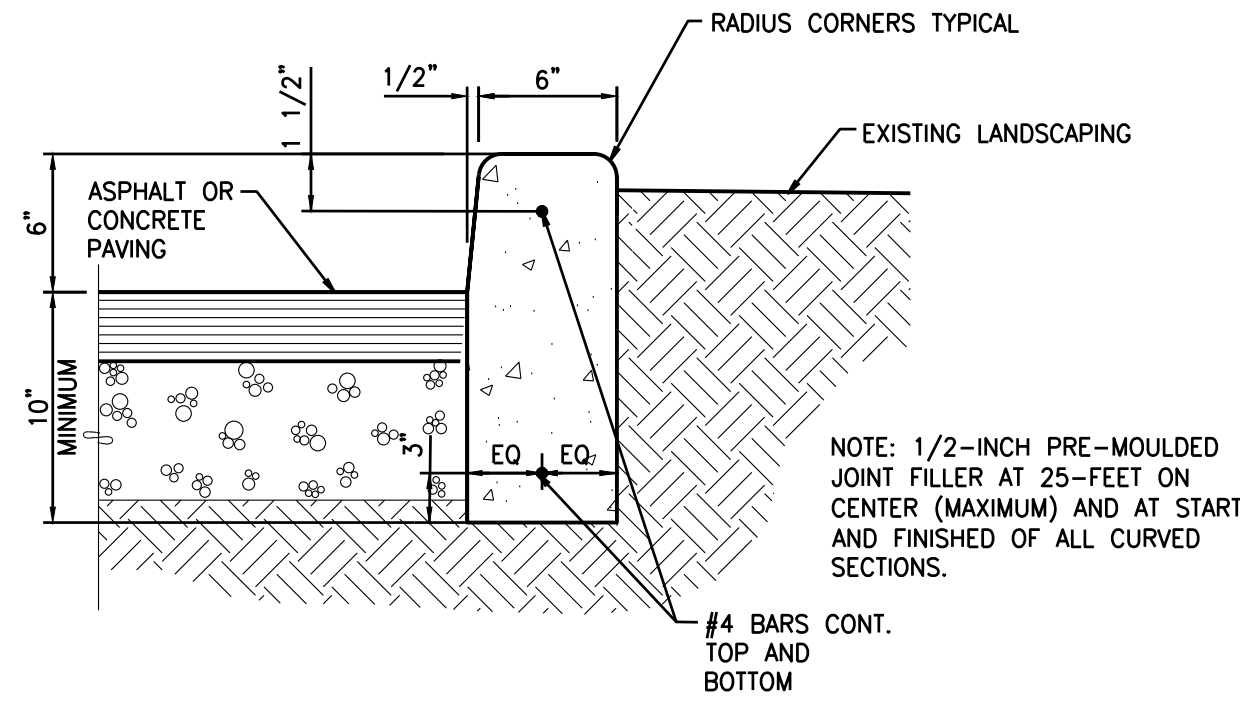


NOTES:

1. A.C. PAVEMENT MATERIAL (HMA, CONCRETE AGGREGATE, ETC.) SUBMITTALS SHALL BE SUBMITTED TO AND APPROVED BY SOILS ENGINEER.
2. PREPARATION OF SUBGRADE SHALL BE PER PROCEDURES OUTLINED IN THE SOILS REPORT.
3. PG BINDER OF 64-16 PER SOIL REPORT.
4. 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.
5. FOR BASE COURSE LIFTS OF 1.5-INCH THICKNESS, DO NOT USE 3/4-INCH NOMINAL MIX PER COSTCO STANDARD SPECIFICATIONS.

ASPHALT PAVEMENT SECTION (HEAVY)

NOT TO SCALE



NOTES:

1. PROVIDE WEAKENED PLAIN JOINT EVERY 10-FOOT, EXPANSION JOINT EVERY 50-FOOT 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

NOT TO SCALE

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

Revision

1 05/20/2025 LAG JSI MESP Apr. No. Date By Ctd. Appr.

Costco Wholesale
COSTCO WHOLESALE
730 LAKE DRIVE
ISSAQUAH, WA 98027

For:



Scale:

Horizontal N/A

Vertical N/A

Designed LAG

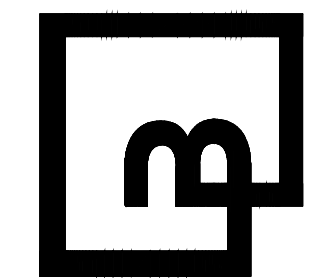
Drawn JSI

Checked MESP

Approved MESP

Date 03/01/24

Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
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Job Number

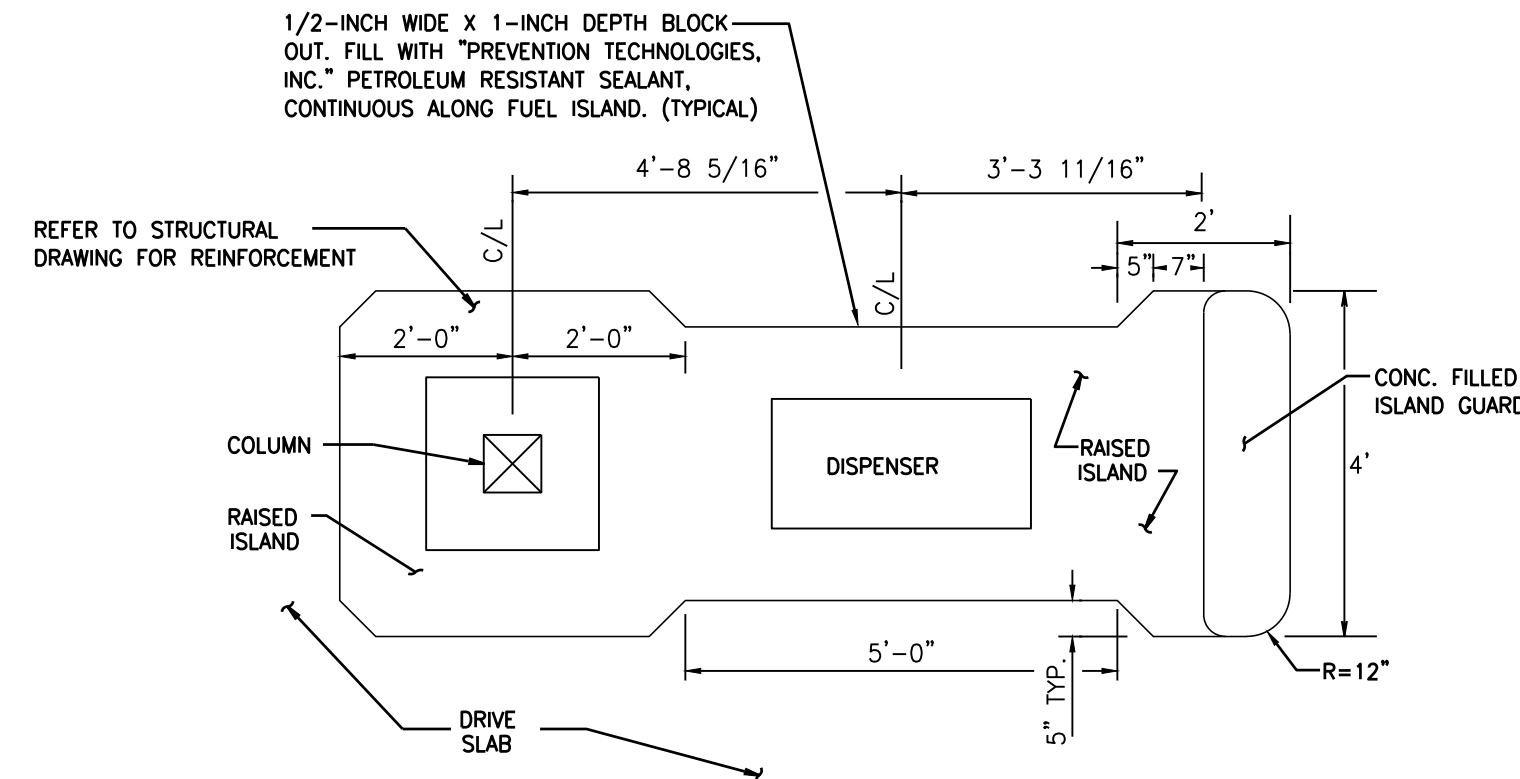
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RECORD DRAWINGS DETAILS
COSTCO WHOLESALE FUEL EXPANSION
9955 COORS BYPASS BLVD NW
ALBUQUERQUE, NM 87114
COSTCO WHOLESALE FACILITY #1016

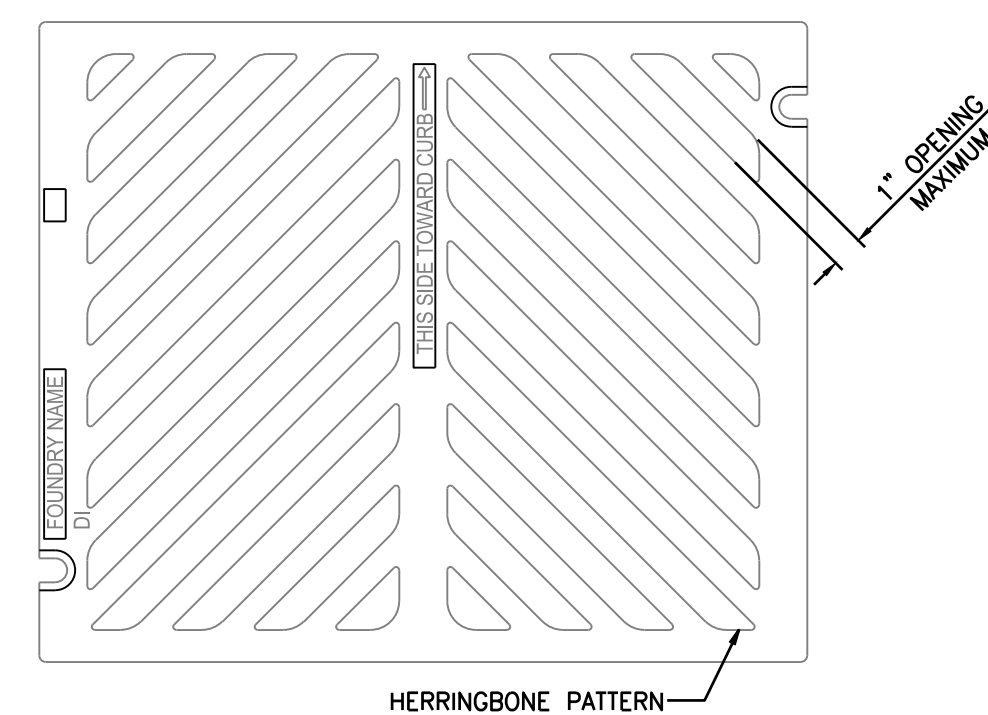


NOTES:

1. THE HIGHEST OPERABLE PART OF EACH PRIMARY OR ALTERNATE CARD READER SHALL BE NO MORE THAN 54-INCH (1372 mm) MEASURED FROM THE BASE OF THE FUEL DISPENSER, WHERE CARD READERS ARE LOCATED ON FREE STANDING PUMPS. THE CARD READER FUNCTION SHALL BE NO MORE THAN 48-INCH (1219 mm) ABOVE AN ACCESSIBLE PATH OF TRAVEL.
2. AN ACCESSIBLE PATH OF TRAVEL SHALL BE PROVIDED TO THE BASE OF ALL FUEL DISPENSERS REQUIRED TO MEET THE PROVISIONS OF THIS SECTION. SUCH FUEL DISPENSERS SHALL BE MOUNTED ON THE ACCESSIBLE LEVEL AREA.
3. AN ACCESSIBLE LEVEL AREA SHALL BE PROVIDED WHICH IS MINIMALLY 30-INCH BY 48-INCH (762 mm BY 1219 mm) LEVEL AND CLEAR. THIS AREA SHALL BE PROVIDED WITHIN 10-INCH (254 mm) IN PLAIN VIEW OF THE FACE OF CONTROLS AND SHALL NOT BE OBSTRUCTED BY ANY FEATURES, EXCEPT PUMP NOZZLES AND HOSES, WITH THE LONG SIDE OF THIS SPACE PARALLEL TO AND CENTERED [PLUS OR MINUS 9-INCH (229 mm)] WITH THE FACE OF THE CARD-READER CONTROLS.

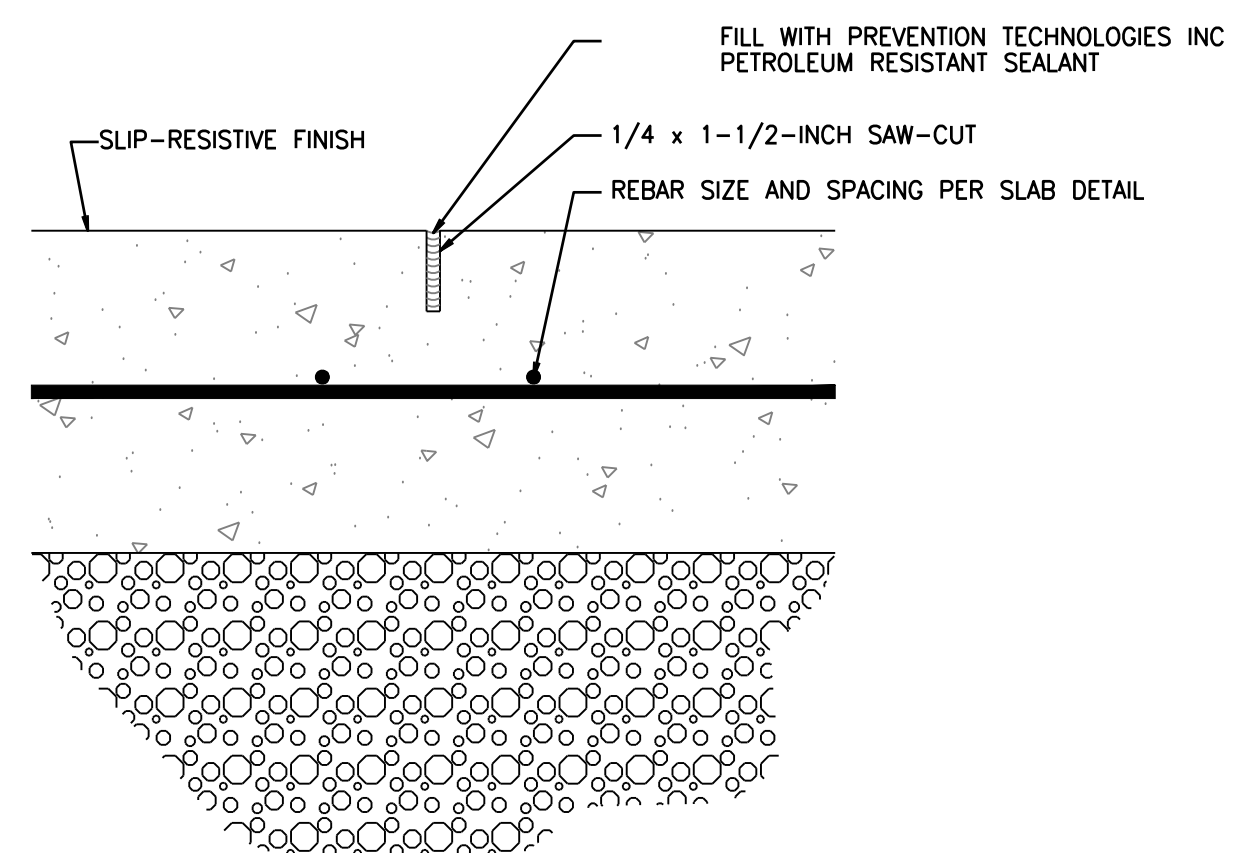
ISLAND PLAN

NOT TO SCALE



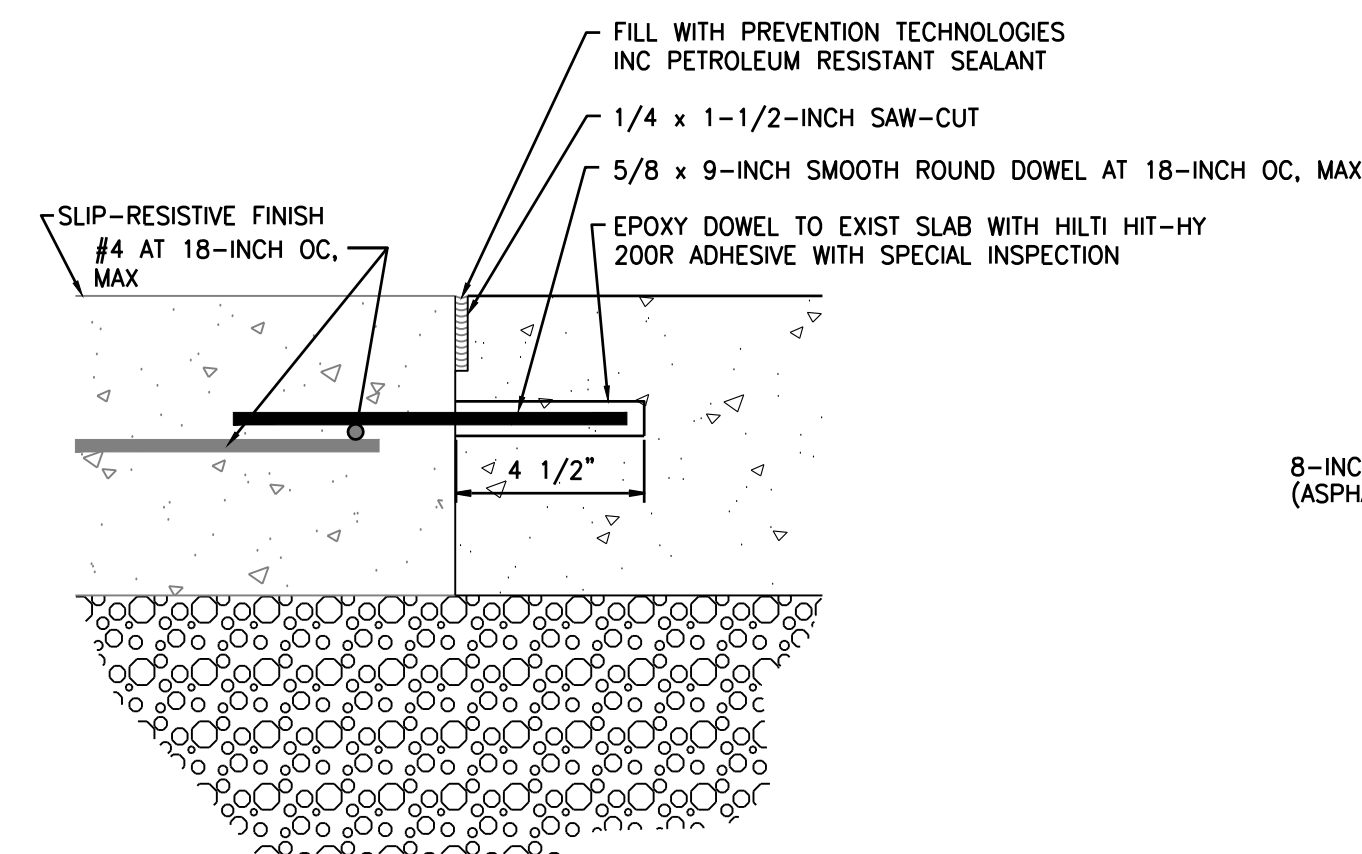
COSTCO STANDARD STORM DRAIN GRATE

NOT TO SCALE



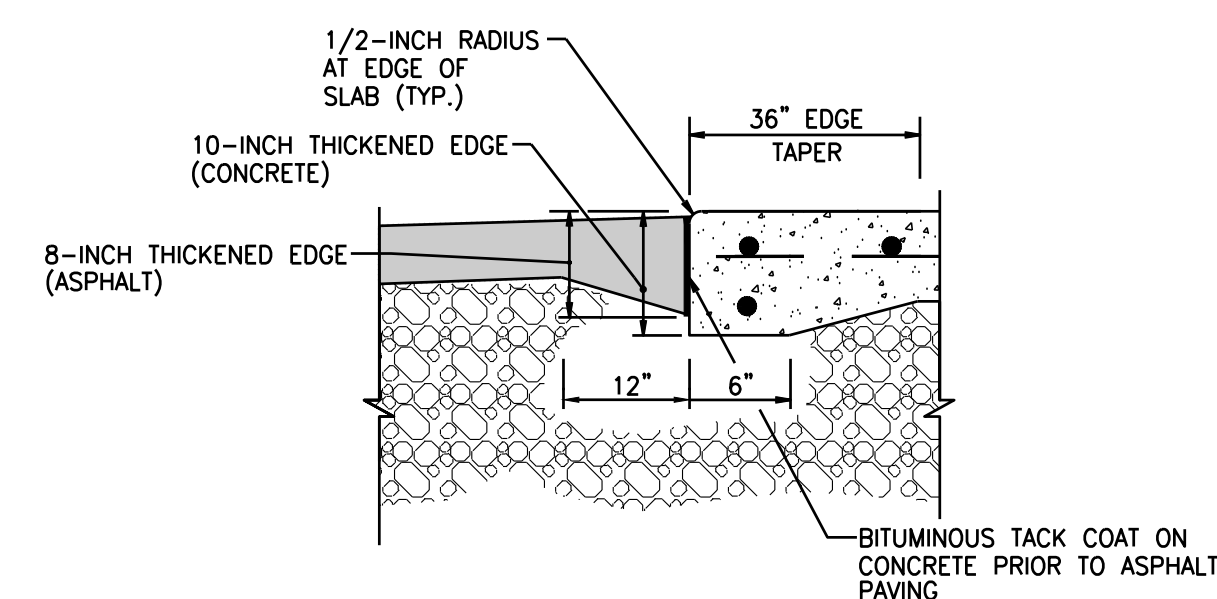
SAW-CUT SHRINKAGE JOINT

NOT TO SCALE



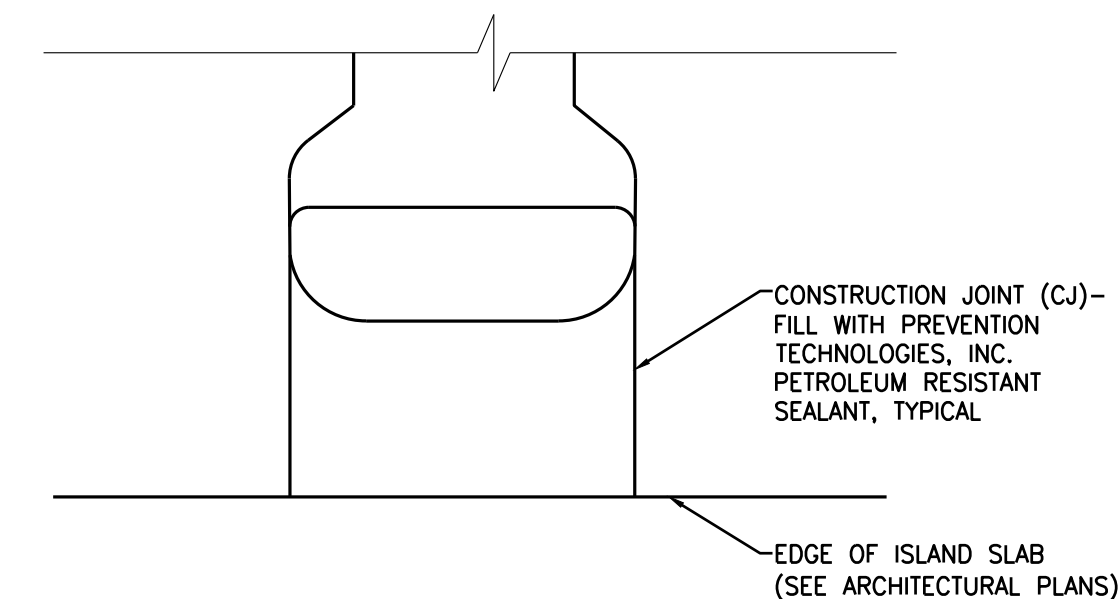
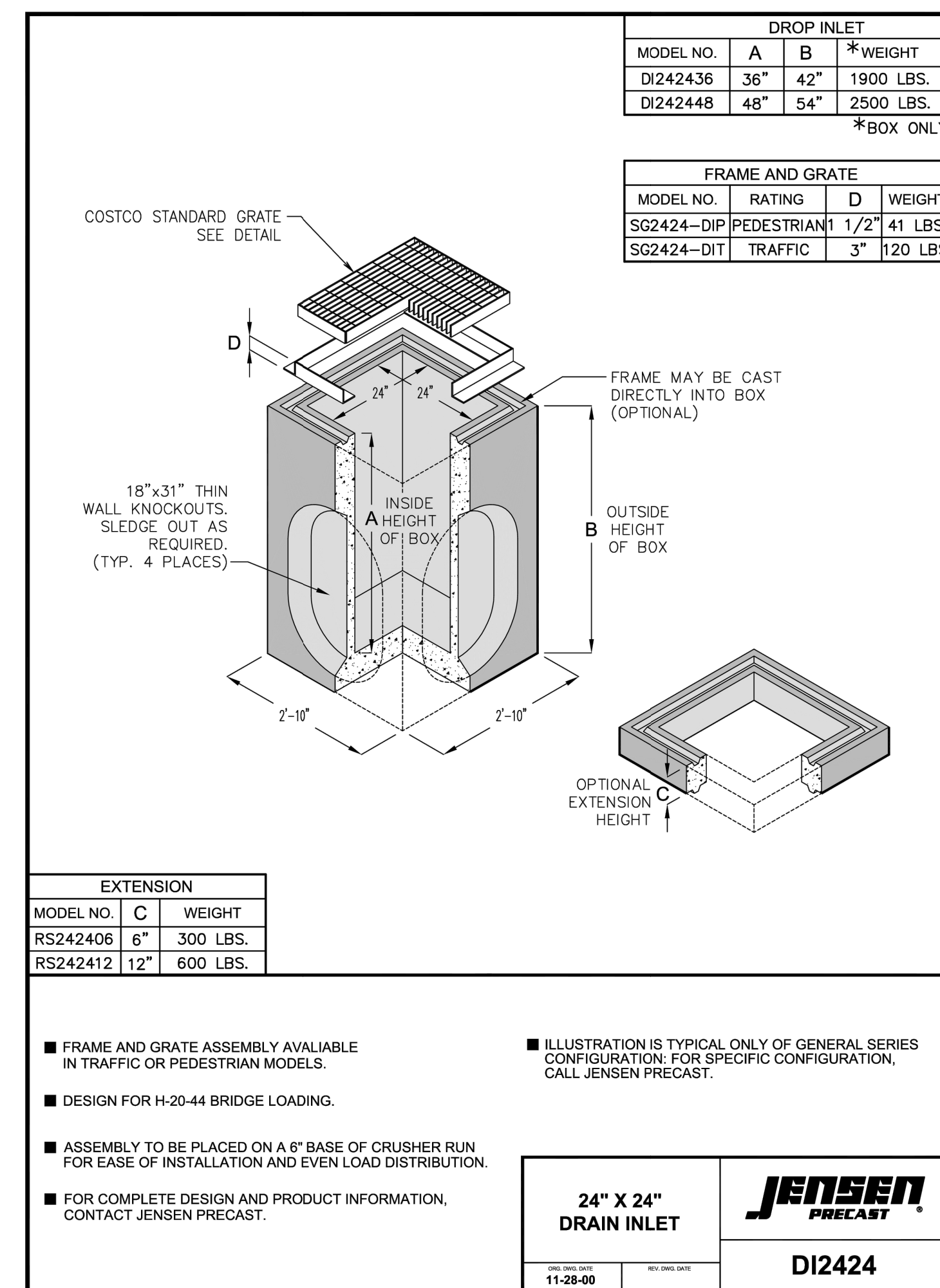
CONSTRUCTION JOINT (CJ) NEW TO EXISTING SLAB DETAIL

NOT TO SCALE



TYPICAL JOINT SECTION AT CONCRETE AND ASPHALT PAVEMENT

NOT TO SCALE



SLAB JOINT AT END ISLANDS

NOT TO SCALE

1	05/20/25	LAG	JSI	MESP	RECORD DRAWINGS
No.	Date	By	Ckd.	Appr.	Revision

Title:

RECORD DRAWINGS DETAILS
9955 COORS BYPASS BLVD NW
ALBUQUERQUE, NM 87114
COSTCO WAREHOUSE #1016

For:



Scale:

horizontal
N/A

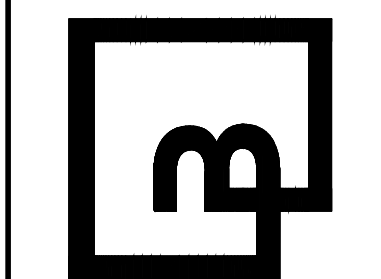
N/A

Designed LAG

Drawn JSI

Approved MESP
Date 03/01/24

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