



Timothy M. Keller, Mayor

January 30, 2018

John Jacquez, P.E.
Miller Engineering Consultants, Inc
3500 Comanche NE Bldg. F
Albuquerque, NM, 87107

**RE: Sundance Construction – Beverly Hills
Grading and Drainage Plan
Engineer’s Stamp Date: 01/24/18
Hydrology File: B18D023**

Dear Mr. Jacquez:

PO Box 1293

Based upon the information provided in your submittal received 01/24/18, the Grading and Drainage Plan **is not** approved for Building Permit. The following comments need to be addressed for approval of the above referenced project:

Albuquerque

1. Sheet C-100. Please provide the weir calculations for the curb cuts.
2. Sheet C-101. Key Note 7 states approximate location of property line. All property lines and existing topographic survey information must be accurate and not approximated. At the northwest corner, it appears that the adjacent pond is on this property. Please submit a surveyed property. If the property lines are properly surveyed, then delete the word approximate location of property line from Key Note 7.
3. Sheet C-101. Please provide a written agreement from Lot 28 property Owner stating that grading can be conducted on their property for the benefit of Lot 29. If an agreement cannot be obtained, then the swale to divert off-site drainage to Beverly Hills will have to be within the project’s boundary.
4. Sheet C-101. Please add the flowline information at the start of the diversion swale at the east side of the property.

NM 87103

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CITY OF ALBUQUERQUE



Timothy M. Keller, Mayor

5. Sheet C-101. Key Note 22. This pond is just pointing to an open area. Is there supposed to be a first flush pond here?? It appears that all first flush volume is included in the pond to the southwest corner of the property.
6. Sheet C-101, Section A-A. Please show the property line and dimension of the wall from the property line.
7. Sheet C-101, Section A-A. Per DPM Ch. 22.5.B, grading and construction of retaining walls at or near the property line must demonstrate that the adjacent property is not damaged or its use constrained. Any such encroachment by the wall or grading must be accompanied by written permission of both landowners. Therefore the wall may have to be moved away so that the footer does not impede the adjacent property.
8. Sheet C-101. Please show the half street, storm drain, and inlet which is to be constructed with the work order. Please add a note that all work within Beverly Hills Ave will be part of Work Order #722084.
9. Sheet C-501. Where is the typical pond section detail used? If not needed, then please just delete.

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Please provide a Private Facility Drainage Covenant per Chapter 17 of the DPM for first flush pond prior to Certificate of Occupancy.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: SUNDANCE CONSTRUCTION BEVERLY HILLS AVE. NE Building Permit #: _____ City Drainage #: _____

DRB#: 1011397 EPC#: _____ Work Order#: _____

Legal Description: LOT 29, BLOCK 4, ALBUQUERQUE ACRES UNIT B

City Address: BEVERLY HILLS AVE. NE, ALBUQUERQUE, NM (BETWEEN SAN MATEO & I-25)

Engineering Firm: MILLER ENGINEERING CONSULTANTS, INC Contact: _____

Address: 3500 COMANCHE NE, BLDG. F. ALBUQUERQUE, NM 87107 JOHN JACQUEZ

Phone#: 505-888-7500 Fax#: 505-888-3800 E-mail: JJACQUEZ@MECNM.COM

Owner: _____ Contact: _____

Address: _____ E-mail: _____

Phone#: _____ Fax#: _____

Architect: VICILLI ASSOCIATES Contact: DANIEL BARBEN

Address: 4977 IRVING NW, SUITE A, ALBUQUERQUE, NM 87114

Phone#: 505-890-5030 Fax#: 505-890-5031 E-mail: DANIEL@VA-ARCHITECTS.COM

Other Contact: _____ Contact: _____

Address: _____ E-mail: _____

Phone#: _____ Fax#: _____

Check all that Apply:

- DEPARTMENT:
- HYDROLOGY/ DRAINAGE
 - TRAFFIC/ TRANSPORTATION
 - MS4/ EROSION & SEDIMENT CONTROL

- CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
- BUILDING PERMIT APPROVAL
 - CERTIFICATE OF OCCUPANCY

- TYPE OF SUBMITTAL:
- ENGINEER/ ARCHITECT CERTIFICATION
 - CONCEPTUAL G & D PLAN
 - GRADING PLAN
 - DRAINAGE MASTER PLAN
 - DRAINAGE REPORT
 - CLOMR/LOMR
 - TRAFFIC CIRCULATION LAYOUT (TCL)
 - TRAFFIC IMPACT STUDY (TIS)
 - EROSION & SEDIMENT CONTROL PLAN (ESC)
 - OTHER (SPECIFY) _____

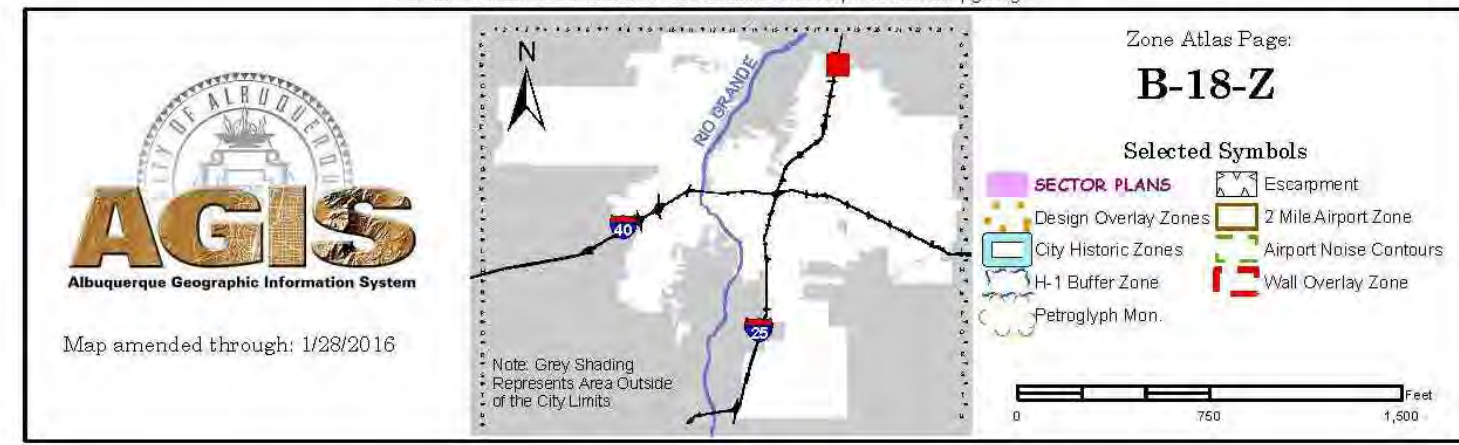
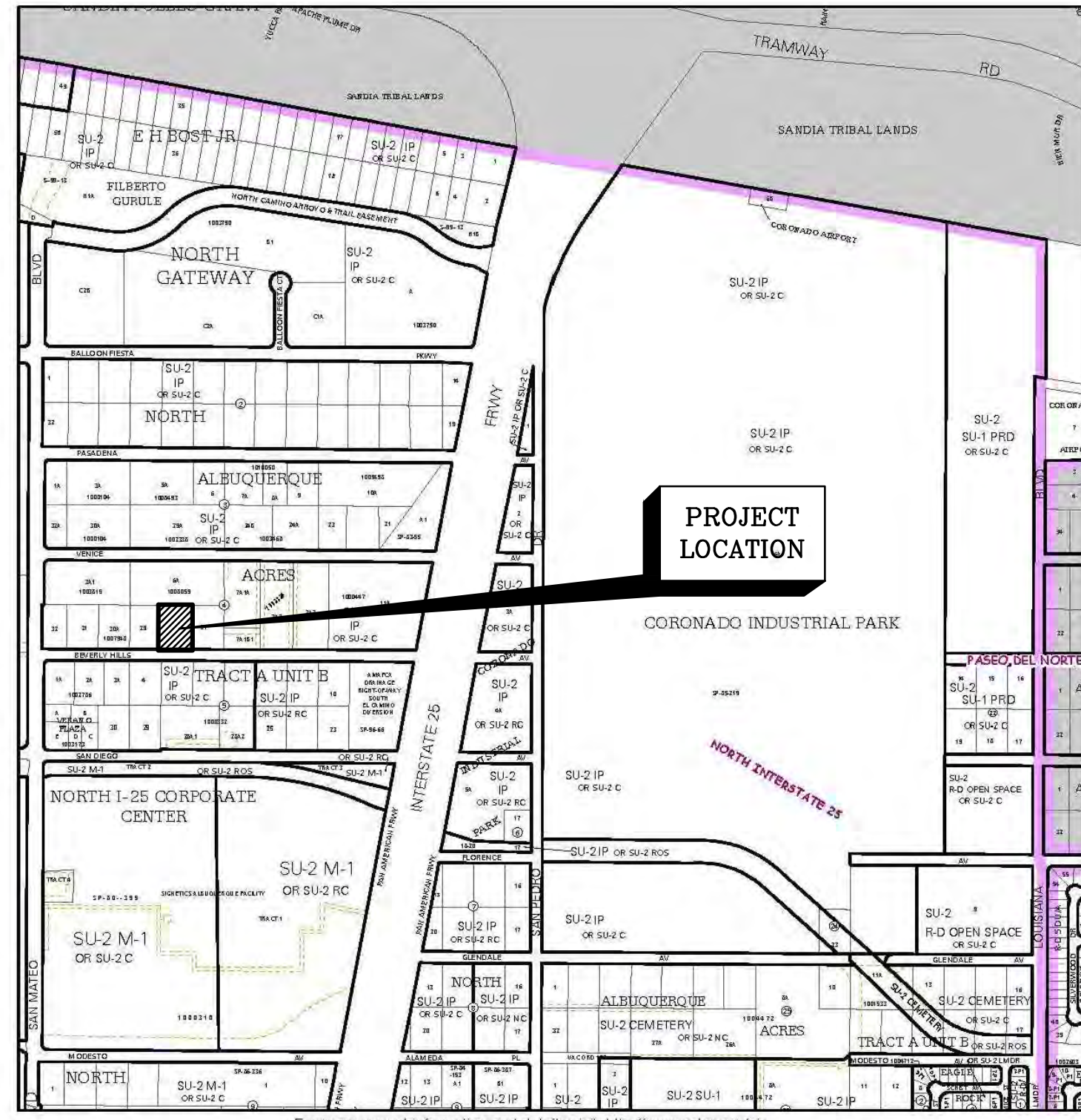
- PRELIMINARY PLAT APPROVAL
- SITE PLAN FOR SUB'D APPROVAL
- SITE PLAN FOR BLDG. PERMIT APPROVAL
- FINAL PLAT APPROVAL
- SIA/ RELEASE OF FINANCIAL GUARANTEE
- FOUNDATION PERMIT APPROVAL
- GRADING PERMIT APPROVAL
- SO-19 APPROVAL
- PAVING PERMIT APPROVAL
- GRADING/ PAD CERTIFICATION
- WORK ORDER APPROVAL
- CLOMR/LOMR

IS THIS A RESUBMITTAL?: Yes No

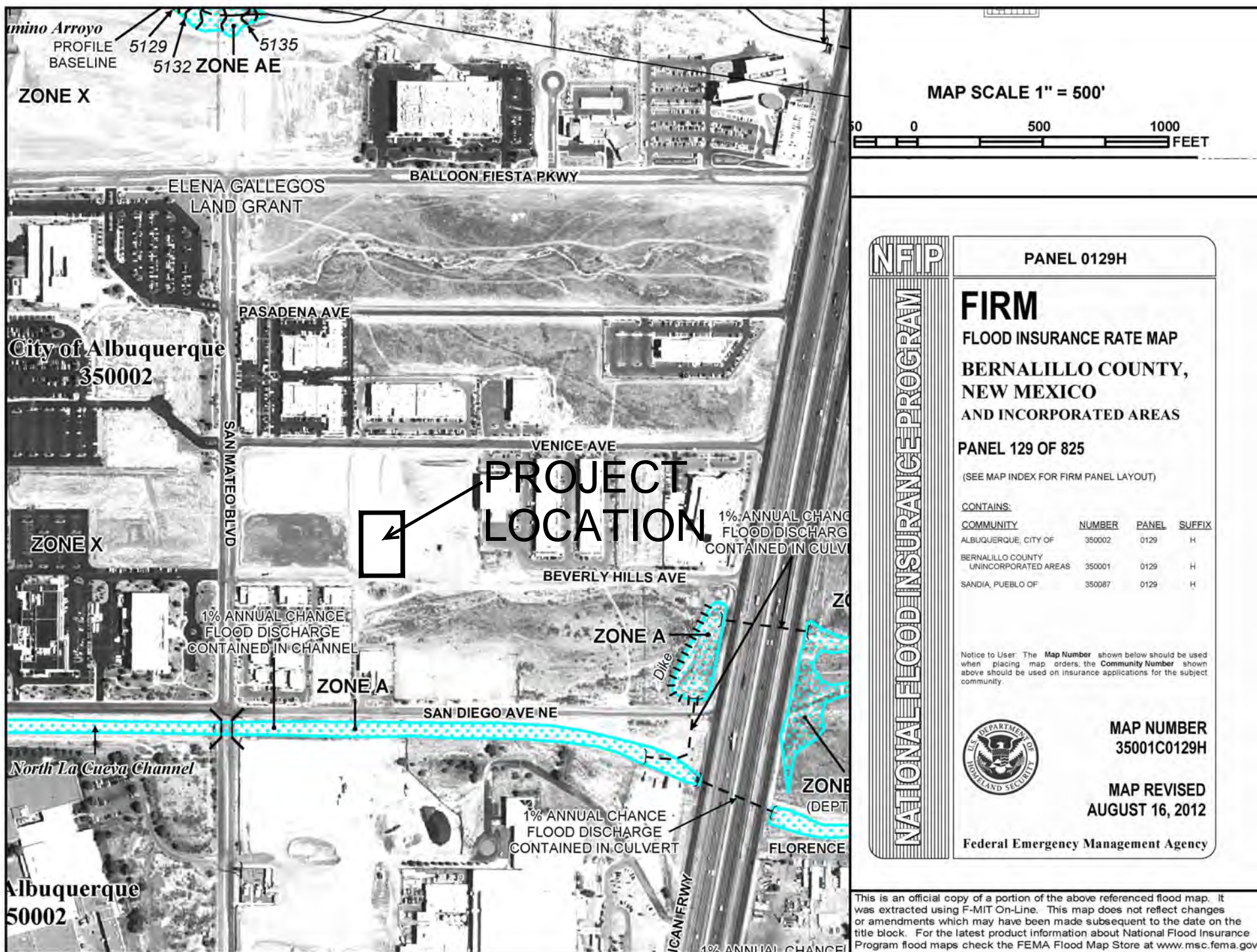
DATE SUBMITTED: 1/24/18 By: 

PRE-DESIGN MEETING _____ OTHER (SPECIFY) HAVE ~~PRE~~ Appr Concept Plan from DRB

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____



B1 VICINITY MAP
ZONE ATLAS MAP B-18-Z



A1 FLOOD ZONE MAP
FLOOD ZONE MAP: FMS5001C0129H

SITE LOCATION

BEVERLY HILLS IS LOCATED AT 5401 BEVERLY HILLS N.E. IN ALBUQUERQUE, NEW MEXICO. THE UNDEVELOPED PROPERTY IS BOUNDED ON THE SOUTH AND EAST BY UNDEVELOPED LOTS AND BORDERED ON THE NORTH, AND WEST BY COMMERCIAL BUILDINGS.

EXISTING ON SITE CONDITIONS

THE SITE IS UNDEVELOPED WITH NOT MUCH VEGETATION JUST DISTURBED SOIL. THE SITE DOES NOT HAVE ANY ACCESS POINTS OR DRIVEWAYS CURRENTLY. BEVERLY HILLS IS UNIMPROVED ON THE SOUTH FRONTAGE OF THE SITE. THERE IS A DIRT ROAD ON THE SOUTH FRONTAGE. THE SITE GENERALLY SLOPES FROM THE EAST TO THE WEST TOWARD NORTHEAST AND SOUTHEAST PROPERTY CORNERS. THERE IS AN EXISTING BERM IN THE NORTHEAST CORNER TOWARDS THE NORTHWEST CORNER OF THE PROPERTY. THERE ARE NO DRAINAGE STRUCTURES ON THE PROPERTY. STORM WATER FLOWS TOWARDS THE NORTHWEST CORNER OF THE PROPERTY VIA SURFACE FLOW. THE PROPERTY HAS ONE DRAINAGE BASIN, WHICH IS IDENTIFIED AS BASIN "A", IN THE HYDROLOGY CALCULATIONS TABLES ON THIS SHEET. THIS REPORT PROVIDES INFORMATION FOR EXISTING HYDROLOGY CONDITIONS AND PROPOSED CONDITIONS HYDROLOGY. THE DRAINAGE DATA ON THIS PAGE SUMMARIZES THE EXISTING PEAK DISCHARGE AND RUNOFF VOLUME FOR BASIN A.

PROPOSED CONDITIONS

THE PROPOSED DEVELOPMENT OF THE SITE WILL CONSIST OF A 25,700 SQUARE FOOT BUILDING, ASSOCIATED CONCRETE FLATWORK, SIDEWALKS, ASPHALT PARKING LOT, AND LANDSCAPING. THE PROPOSED GRADING AND DRAINAGE PLAN CONTAINS THE SITE INTO ONE DRAINAGE BASIN, BASIN "A". THIS DRAINAGE BASIN SURFACE FLOWS INTO BEVERLY HILLS N.E. VIA SURFACE FLOW. THE ACCESS ROAD ALONG THE SOUTH BASIN TO WATER HARVEST AREAS AT THE SOUTHWEST AND SOUTHWEST CORNERS, THEN DISCHARGES THRU A SIDEWALK CULVERT INTO THE PROPOSED BEVERLY HILLS ROADWAY TOWARDS A CURB CUT AND RIP RAP RUNDOWN TO THE SIDE OF PROPERTY. THE DRAINAGE DATA ON THIS PAGE SUMMARIZES THE PROPOSED PEAK DISCHARGE AND RUNOFF VOLUME FOR ALL THREE BASINS.

OFFSITE FLOWS

THERE IS AN UNDEVELOPED LOT LOCATED EAST OF SITE AND SOUTHERN EDGE OF THE PROPERTY. THE FLOWS FROM THIS SITE ARE BEING DIVERTED VIA EARTHEN SWALE TO SOUTH INTO BEVERLY HILLS RIGHT OF WAY, THUS NOT AFFECTING OUR SITE.

CONCLUSION

RUNOFF VOLUME AND FLOW RATE INCREASED AS A RESULT OF CHANGES IN LAND TREATMENTS FOR THE PROPERTY. EXISTING CONDITIONS HAD ONE DRAINAGE BASIN, BASIN "A". AS A WHOLE, THE PROPERTY'S RUNOFF VOLUME AND PEAK DISCHARGE VALUES INCREASED. THE RUNOFF VOLUME INCREASED FROM 0.008 ACRE-FEET TO 0.173 ACRE-FEET, AS A WHOLE. THE PEAK DISCHARGE INCREASED FROM 2.6 CUBIC FEET PER SECOND TO 4.0 CUBIC FEET PER SECOND, AS A WHOLE.

THE PROPOSED GRADING IMPROVEMENTS WILL INCLUDE DRAINAGE SWALES, CURB AND GUTTER, AND CURB CUTS ALLOWING STORMWATER INTO AND OUT OF THE PROPOSED WATER HARVESTING AREAS. THE WATER HARVESTING AREAS WILL BE USED TO MANAGE THE FIRST FLUSH AS REQUIRED BY THE RECENT CITY OF ALBUQUERQUE DRAINAGE ORDINANCE CHANGES. THE VOLUME OF THE FIRST FLUSH FOR BASIN "B" (0.44-0.1 INCHES * 27500) = 780 CUBIC FEET. THE WATER HARVEST 1 VOLUME = 988 CUBIC FEET. THEREFORE, WATER HARVEST POND VOLUME = 988 CUBIC FEET > 780 CUBIC FEET. THEREFORE, THE FIRST FLUSH IS CONTAINED. ALL POSSIBLE IMPERVIOUS AREAS WILL BE DISCHARGED THROUGH THE PROPOSED WATER HARVEST AREA.

GENERAL NOTES:

- EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS WAS PROVIDED BY TERRA LAND SURVEYS LLC. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- ALBUQUERQUE GEODETIC REFERENCE SYSTEM STATIONS (AGRS) USED:
 - A. AGRS STATION "14-J22" DATA
FOUND STANDARD ALUMINUM DISK
NAD 83 NEW MEXICO CENTRAL ZONE STATE PLANE COORDINATES
NORTHING: 1,487,017.69 US FEET EASTING: 1,561,191.23 US FEET
ELEV. = 5,576.441 US FEET
COMBINED GROUND TO GRID FACTOR = 0.999644295
DELTA ALPHA = (-) 0'09'08.03"
 - B. AGRS STATION "10-K21" DATA
FOUND STANDARD ALUMINUM DISK
NAD 83 NEW MEXICO CENTRAL ZONE STATE PLANE COORDINATES
NORTHING: 1,485,161.27 US FEET EASTING: 1,561,095.89 US FEET
ELEV. = 5,557.514 US FEET
COMBINED GROUND TO GRID FACTOR = 0.999645218
DELTA ALPHA = (-) 0'09'08.58"
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
- CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY OF ALBUQUERQUE, PRIOR TO ANY GRADING OR CONSTRUCTION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- ALL EMBANKMENTS SHALL BE PLACED AND COMPACTED IN LIFTS OF MAXIMUM OF 8". THE EMBANKMENTS SHALL BE WETTED AND COMPACTED TO 95% OPTIMUM DENSITY PER ASTM D1557 AND 95% UNDER ALL STRUCTURES INCLUDING DRIVEWAYS AND PARKING LOTS.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
- THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- THE SUBJECT PROPERTY (AS SHOWN HEREON) APPEARS TO LIE WITHIN ZONE "X" (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.) IN ACCORDANCE WITH THE NATIONAL FLOOD INSURANCE PROGRAM RATE MAP NO. 35001C 0129H, EFFECTIVE DATE 9-26-2008.
- ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE STORM DRAINAGE REGULATIONS. ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE "GRADING AND DRAINAGE DESIGN REQUIREMENTS AND POLICIES FOR LAND DEVELOPMENT."
- THE OWNER, CONTRACTOR AND/OR BUILDER SHALL COMPLY WITH ALL APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL TAKE ALL APPROPRIATE AND REASONABLE MEASURES TO PREVENT SEDIMENT OR POLLUTANT LADEN STORM WATER FROM EXITING THE SITE DURING CONSTRUCTION. STORMWATER MAY BE DISCHARGED IN A MANNER, WHICH COMPLIES WITH THE APPROVED GRADING AND DRAINAGE PLAN.
- THE CONTRACTOR SHALL TAKE ALL APPROPRIATE MEASURES TO PREVENT THE MOVEMENT OF CONSTRUCTION RELATED SEDIMENT, DUST, MUD, POLLUTANTS, DEBRIS, WASTE, ETC FROM THE SITE BY WIND, STORM FLOW OR ANY OTHER METHOD EXCLUDING THE INTENTIONAL, LEGAL TRANSPORTATION OF SAME IN A MANNER ACCEPTABLE BY THE CITY.
- THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE AREAS SHOWN AS "SLOPE LIMITS" ON THE GRADING AND DRAINAGE PLAN.

WATER HARVEST VOLUMES

WATER HARVEST WEST AREA				
Pond Rating Table				
Side Slope 2:1				
Depth (ft)	Area (sq ft)	Volume (ac-ft)	Cum Volume (ac-ft)	
62.5	791	0.018	0.000	0.000
63	968	0.022	0.010	0.010
63.5	1149	0.026	0.012	0.022

DRAINAGE DATA

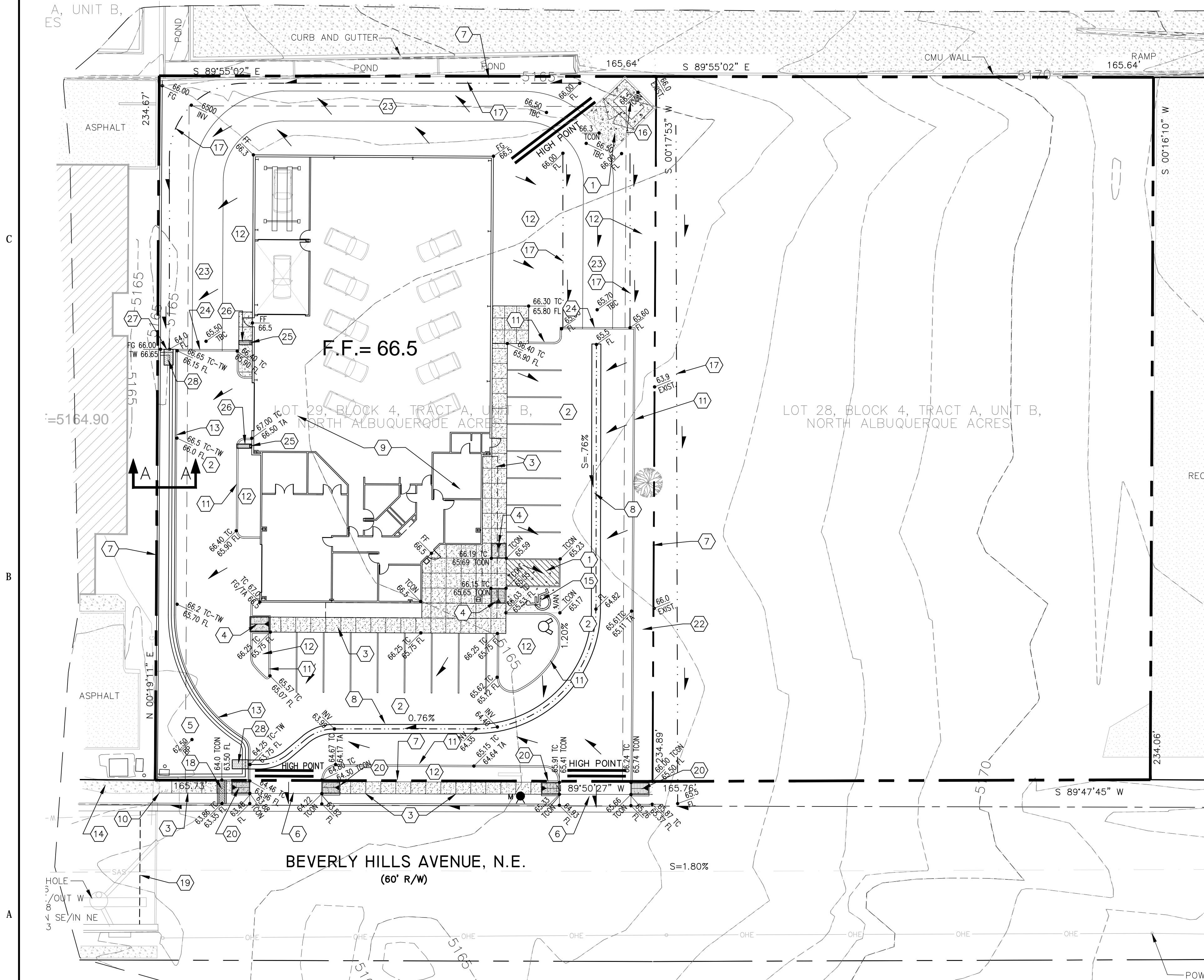
Basin	Basin Area (Ac)	Percipitation Zone 3 - 100-year Storm P(360) = 2.6 in P(1440) = 3.1 in							
		Land Treatment Factors				Ew (in)	V(100-6) (af)	V(100-24) (af)	Q(100) (cfs)
		A	B	C	D				
Existing Conditions									
A	0.89	0.30	0.00	0.59	0.00	1.08	0.080	0.080	2.60
Total	0.89								2.60
Proposed Conditions									
A	0.89	0.00	0.00	0.30	0.59	2.00	0.148	0.173	4.00
Total	0.89								4.00

Basin	Basin Area (Ac)	Percipitation Zone 3 - 10-year Storm P(360) = 1.73 in P(1440) = 2.07 in							
		Land Treatment Factors				Ew (in)	V(10-6) (af)	V(10-24) (af)	Q(10) (cfs)
		A	B	C	D				
Existing Conditions									
A	0.89	0.30	0.00	0.59	0.00	0.48	0.035	0.035	1.35
Total	0.89								1.35
Proposed Conditions									
A	0.89	0.00	0.00	0.30	0.59	1.20	0.089	0.106	2.60
Total	0.89								2.60

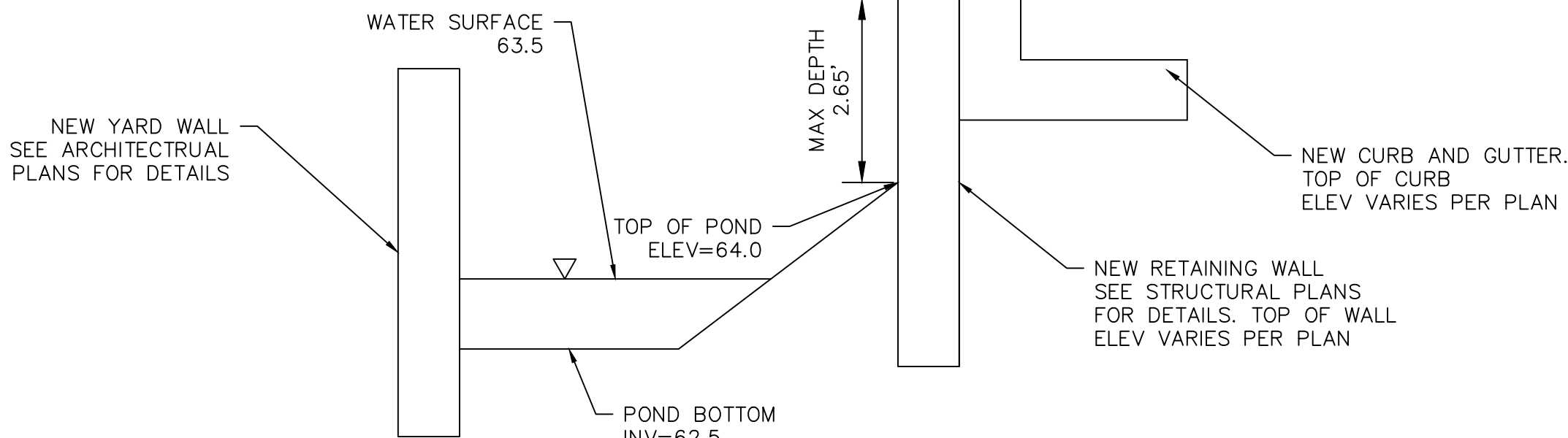
**SUNDANCE CONSTRUCTION
BEVERLY HILLS AVE NE
SUNDANCE CONSTRUCTION**

date: JANUARY 24, 2018
drawn by: V&A
checked by: RRV
file name: G & D Plan_101817
revisions:

C-100



SECTION AA



LEGEND:

• 38.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)	=====	GRADE BREAK-HIGH POINT
• MATCH (95.19)	MATCH EXISTING ELEVATIONS	---	SWALE
TC ON	TOP OF CONCRETE	---	SD
FL	FLOW LINE, CURB	---	5895
INV	INVERT	---	5895
FG	FINISH GRADE	---	PROPOSED MAJOR CONTOUR
TBC	TOP OF BASE COURSE	---	PROPOSED MINOR CONTOUR
TC	TOP OF CURB	---	EXISTING MAJOR CONTOUR
TG	TOP OF GRATE	---	EXISTING MINOR CONTOUR
TA	TOP OF ASPHALT	---	TOP OF CUT SLOPE

GRADING AND DRAINAGE NARRATIVE

THE EXISTING PROPERTY FOR BEVERLY HILLS IS LOCATED AT 5401 BEVERLY HILLS AVE. N.E. THE SITE IS ACCESSED FROM THE SOUTH SIDE FROM BEVERLY HILLS AVE. N.E. THE SITE CONSISTS OF A VACANT LOT WITH NO DEVELOPMENT. THERE IS AN EXISTING ROADWAY (BEVERLY HILLS AVE.) ON THE SOUTH SIDE. THERE IS AN EXISTING COMMERCIAL DEVELOPMENT TO THE NORTH AND WEST SIDE. THERE IS AN ADJACENT VACANT LOT LOCATED ON THE EAST SIDE OF THE PROPERTY. THE LAND IS GENERALLY FLAT AND SLOPES FROM THE NORTHEAST TO THE SOUTHWEST. THERE ARE EXISTING FLOWS COMING FROM THE VACANT LOT LOCATED EAST OF THE PROPERTY. THESE FLOWS FLOW ONTO THE PROPERTY. THE PROPOSED BUILDING WILL BE CONSTRUCTED NEAR THE CENTER OF THE SITE WITH AN ASPHALT PARKING LOT LOCATED ON THE EAST AND THE SOUTH OF THE PROPOSED BUILDING.

THE PROPOSED GRADING IMPROVEMENTS WILL INCLUDE STANDARD CURB AND GUTTER, WITH CURB CUTS AND RUNDOWNS ALLOWING STORMWATER INTO PROPOSED WATER HARVESTING AREAS. THESE WATER HARVESTING AREAS WILL BE USED TO MANAGE THE 90TH PERCENTILE STORM EVENTS (REQUIRED VOLUME = (0.33 IN. * 25,811 SF)/12 = 710 CF, 0.016 AC-FT. THE PROPOSED WATER HARVEST AREAS VOLUME IS APPROXIMATELY 0.022 AC-FT. WHICH IS GREATER THAN 0.016 AC-FT. AS REQUIRED BY THE RECENT CITY OF ALBUQUERQUE DRAINAGE ORDINANCE CHANGES. ALL ROOF DRAINAGE AND PROPOSED ASPHALT PARKING AREAS WILL DISCHARGE INTO WATER HARVEST AREAS LOCATED AT THE EAST AND WEST SIDES OF THE PROJECT SITE.

THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A FEMA DESIGNATED FLOOD ZONE AS PER FEMA MAPS.

KEYED NOTES:

- 1 NEW HEAVY DUTY CONCRETE PAVEMENT SECTION. SEE SECTION DETAILS ON ARCHITECTURAL PLANS AND IN THE GEOTECHNICAL REPORT.
- 2 NEW HEAVY DUTY HOT MIX ASPHALT PAVEMENT SECTION. SEE SECTION DETAILS ON SHEET C-501.
- 3 NEW CONCRETE SIDEWALK AS PER COA STANDARD DWG 2430 (FOR WORK IN CITY R/W) AND ARCHITECTURAL PLANS FOR ONSITE SIDEWALK. CONTRACTOR SHALL SUBMIT A JOINT PATTERN TO THE PROJECT ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- 4 NEW TYPE A HANDICAP RAMP, SEE DETAIL ON SHEET C-503.
- 5 NEW WATER HARVEST AREA 1. TOP=64.00, INV=62.50, EMERGENCY SPILLWAY SIDEWALK CULVERT INV=63.5. SEE DETAIL ON SHEET C-501.
- 6 NEW CONCRETE DRIVEPAD. AS PER NMDOT DETAIL 2-B ON SHEET C-502.
- 7 APPROXIMATE LOCATION OF PROPERTY LINE. NEW PERIMETER YARD WALL. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 8 NEW CONCRETE VALLEY GUTTER. SEE COA STANDARD DWG 2420.
- 9 NEW BUILDING. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 10 SAWCUT EXISTING SIDEWALK TO NEAREST CONSTRUCTION JOINT AND MATCH WITH NEW CONCRETE SIDEWALK.
- 11 NEW CONCRETE HEADER CURB. SEE SHEET C-501 FOR DETAILS.
- 12 LANDSCAPE AREA. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 13 NEW RETAINING WALL AND CURB AND GUTTER SEE SECTION A-A. SEE SHEET C-501 FOR CURB AND GUTTER DETAIL. SEE STRUCTURAL PLANS FOR RETAINING WALL DETAIL.
- 14 EXISTING SIDEWALK TO REMAIN.
- 15 NEW HANDICAP PARKING WITH PARKING BUMPER, PAINTED MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE MUTCD. CONTRACTOR SHALL SUBMIT A PAVEMENT MARKING LAYOUT TO PROJECT ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- 16 NEW TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS FOR DETAILS.
- 17 NEW EARTHEN SWALE. SEE DETAIL SHEET C-501.
- 18 NEW SIDEWALK CULVERT 1 AND NEW EMERGENCY SPILLWAY AS PER COA STANDARD DWG 2236. INV(IN)= 63.50 INV(OUT)=EXISTING.
- 19 MATCH NEW ASPHALT WITH TOP OF EXISTING ASPHALT. CONTRACTOR TO FIELD VERIFY ELEVATION PRIOR TO CONSTRUCTION.
- 20 NEW TYPE B HANDICAP RAMP, SEE DETAIL SHEET C-502.
- 21 NEW SIDEWALK CULVERT 2 AND NEW EMERGENCY SPILLWAY AS PER COA STANDARD DWG 2236. INV(IN)= 65.50 INV(OUT)=EXISTING.
- 22 NEW WATER HARVEST AREA 2. TOP=66.00, INV=65.50, EMERGENCY SPILLWAY SIDEWALK CULVERT INV=63.5. SEE DETAIL ON SHEET C-501.
- 23 NEW BASE COURSE PAVEMENT SECTION. SEE DETAIL SHEET C-501.
- 24 NEW FLUSH CURB. SEE DETAIL SHEET C-501.
- 25 NEW ROOF DRAIN. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 26 NEW SIDEWALK CULVERT PER COA STANDARD DWG 2236. COORDINATE WITH ROOFING CONTRACTOR TO MANUFACTURE COVER WITH OPENING FOR DOWNSPOUT AT BUILDING.
- 27 PLACE 2' CUT IN RETAINING WALL FOR SWALE TO ENTER POND.
- 28 PLACE RIP RAP RUNDOWN.



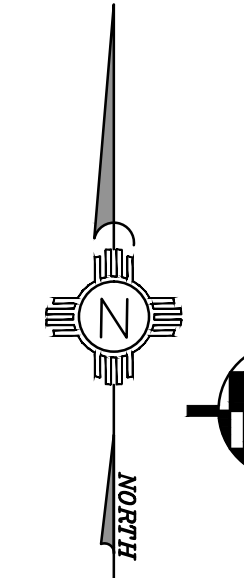
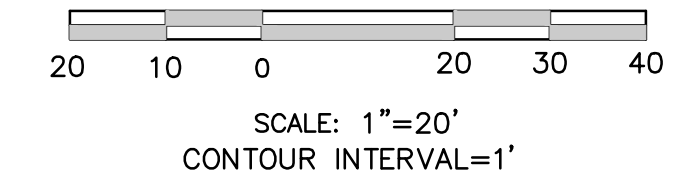
SUNDANCE CONSTRUCTION
BEVERLY HILLS AVE NE
SUNDANCE CONSTRUCTION

date: JANUARY 24, 2018
drawn by: VEA
checked by: RRV
file name: G & D_101817.dwg
revisions:

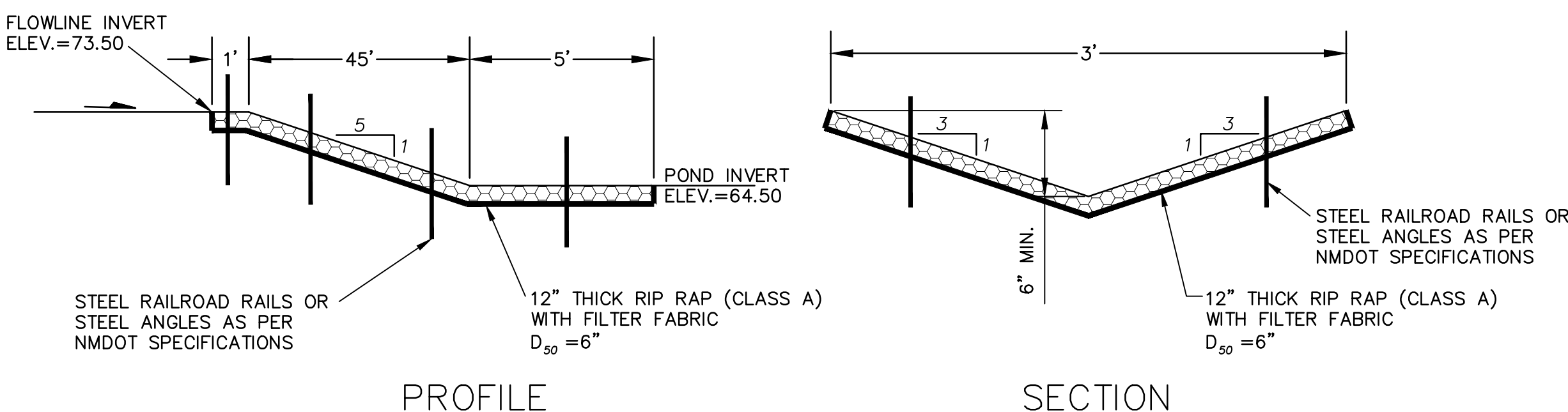
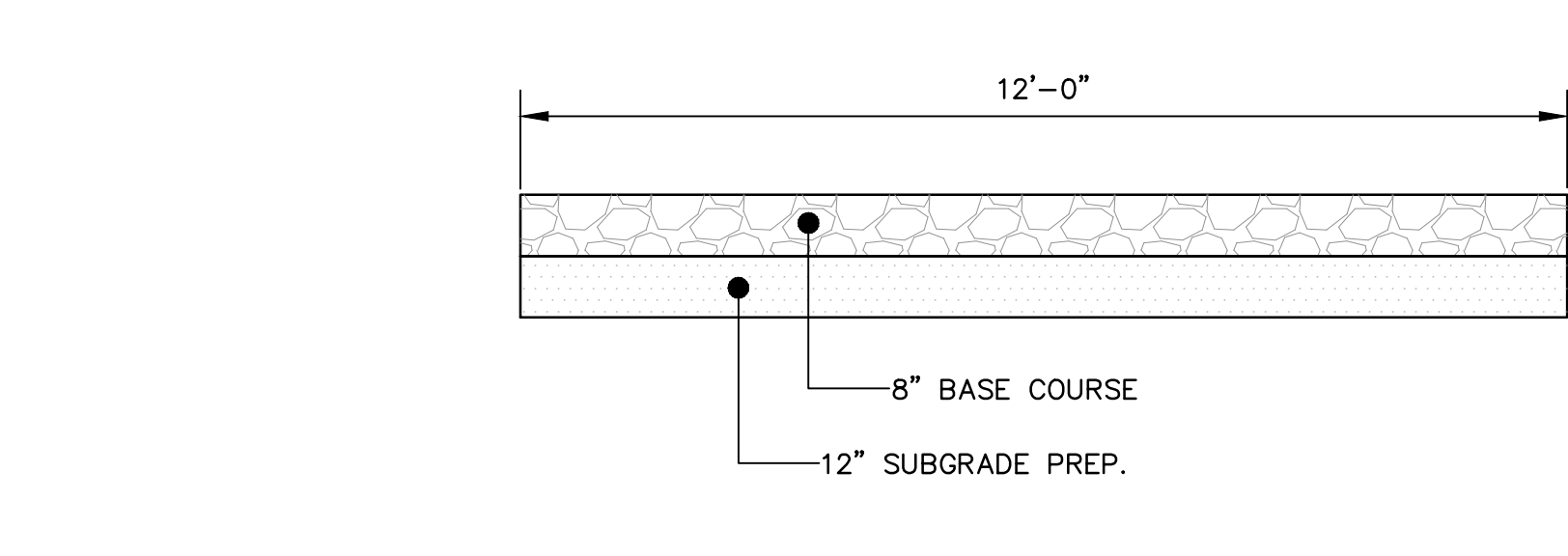
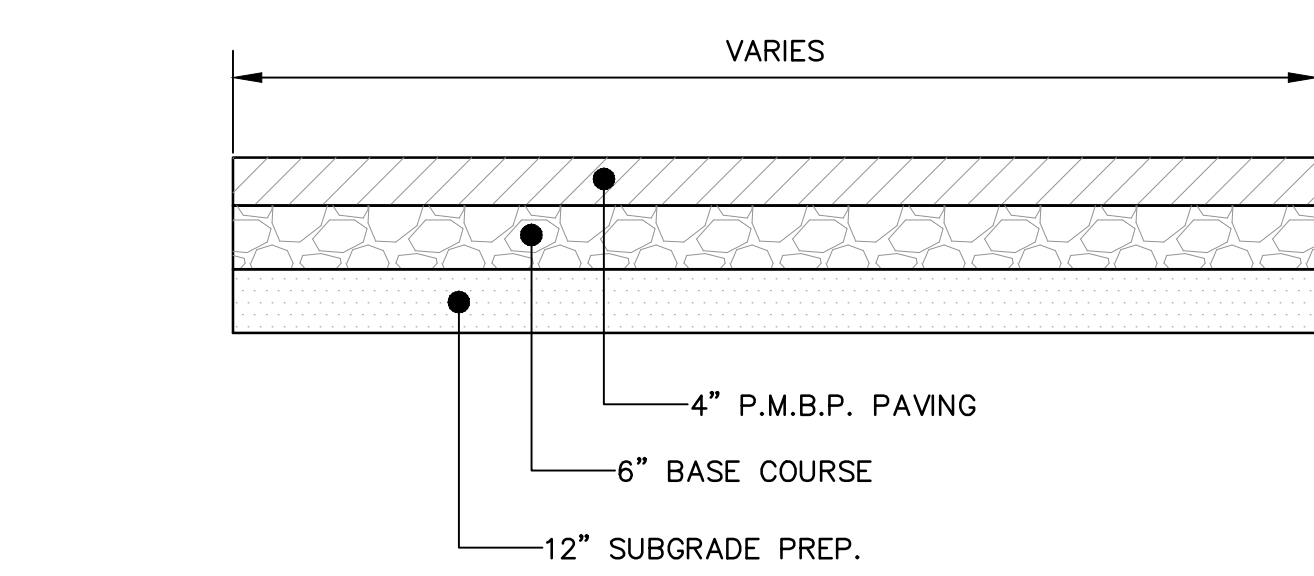
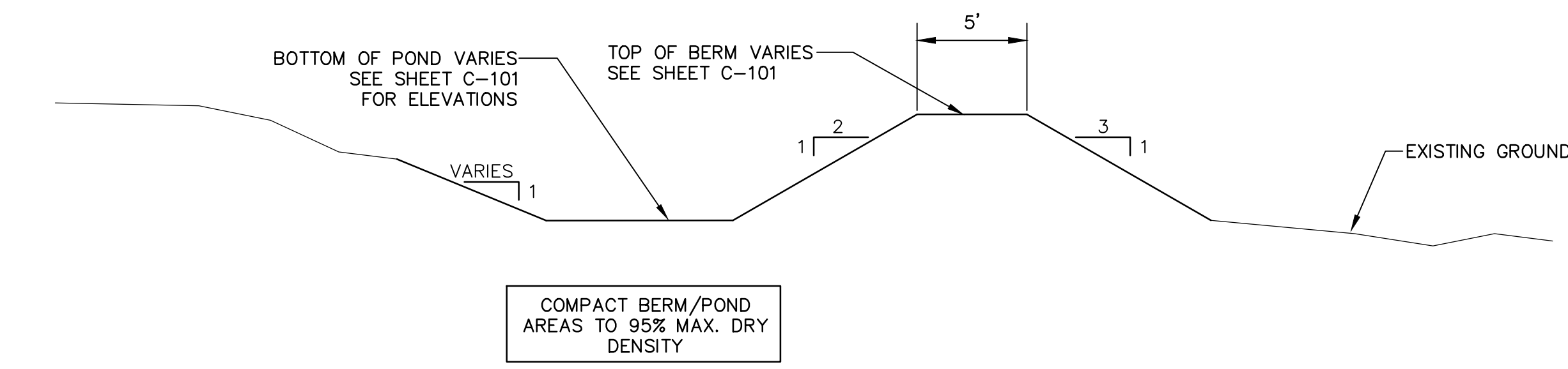
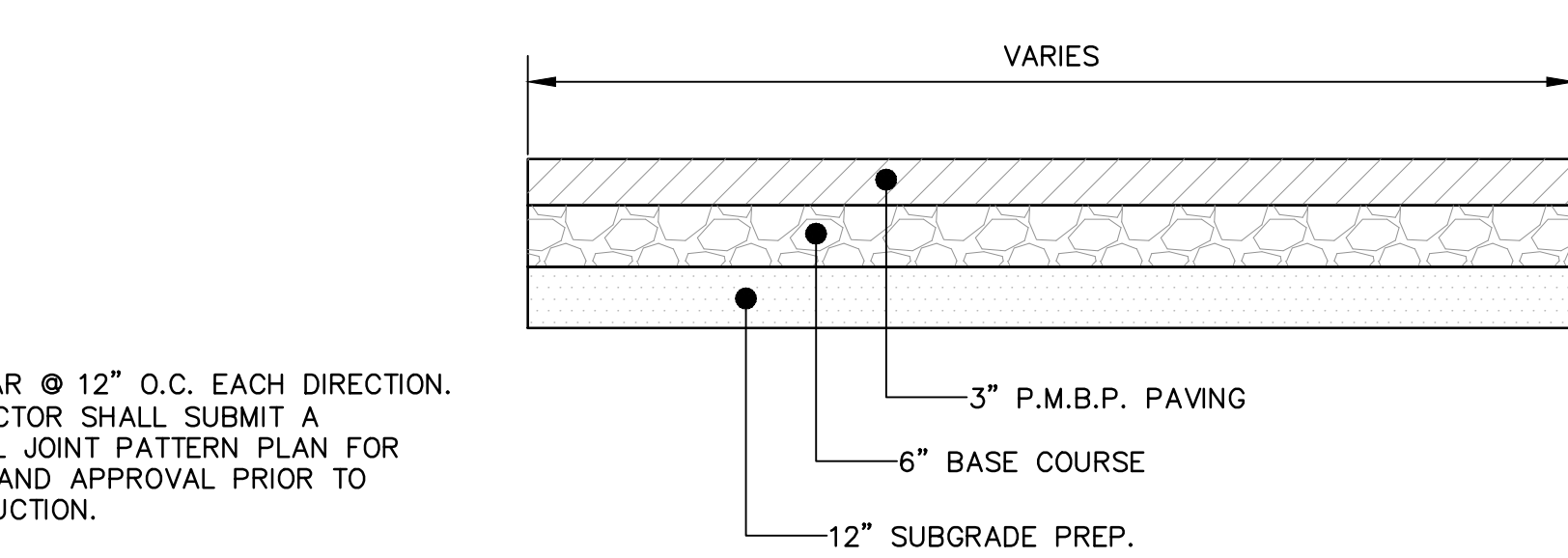
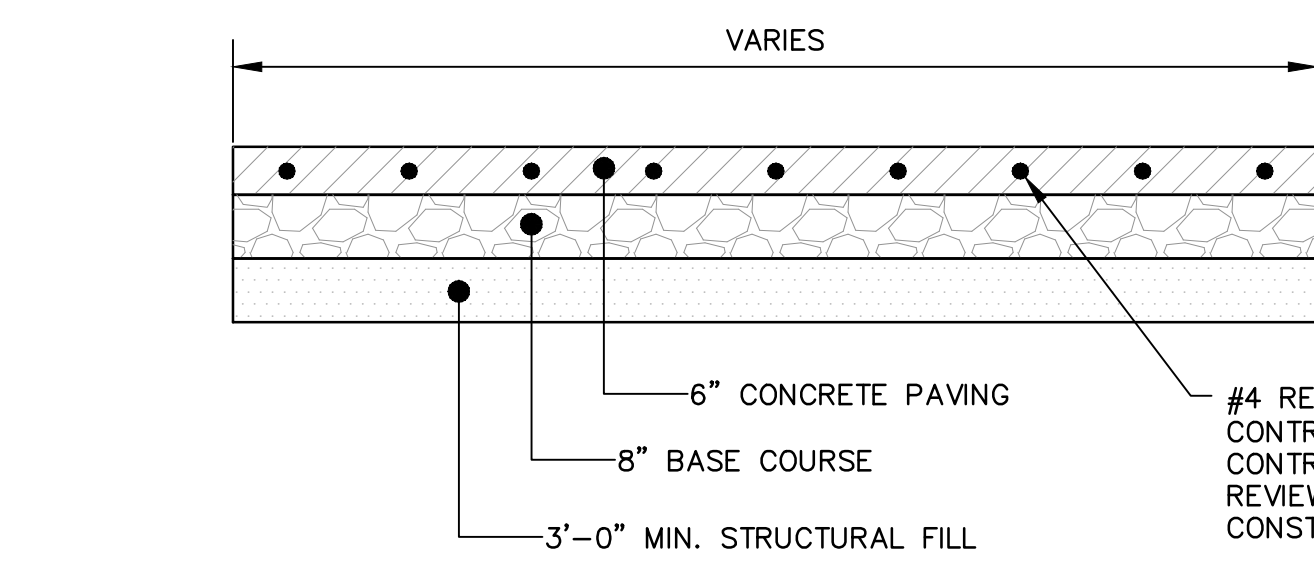
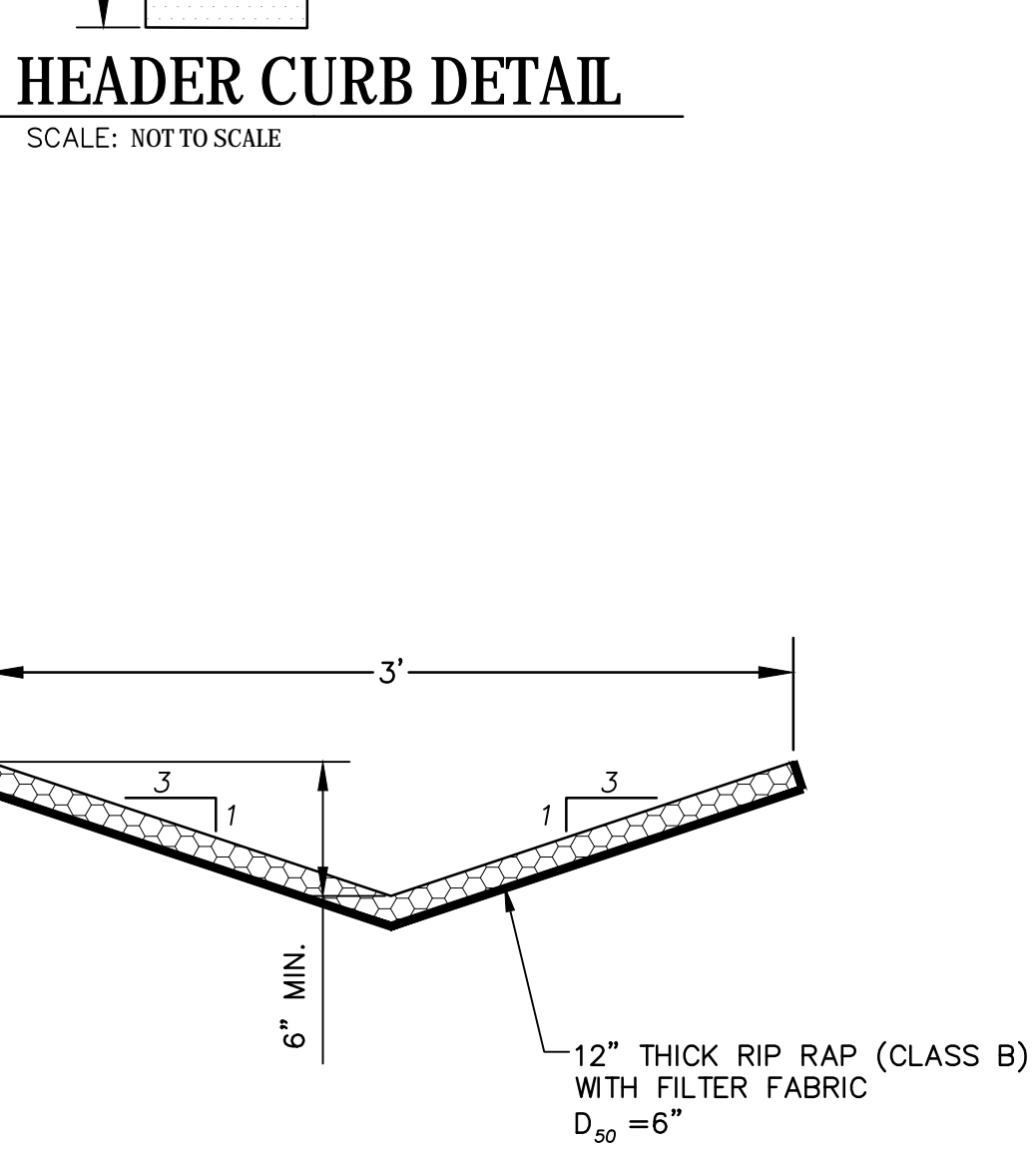
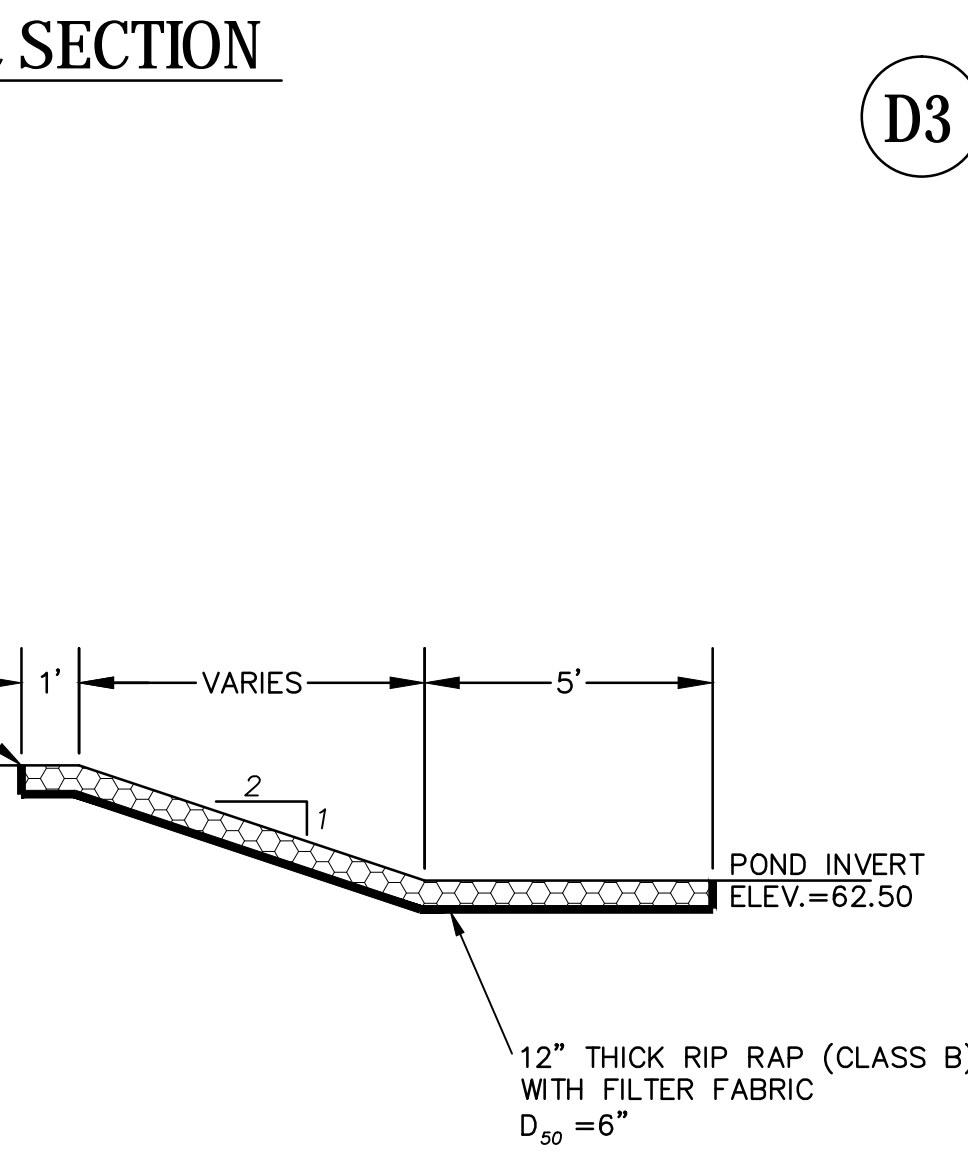
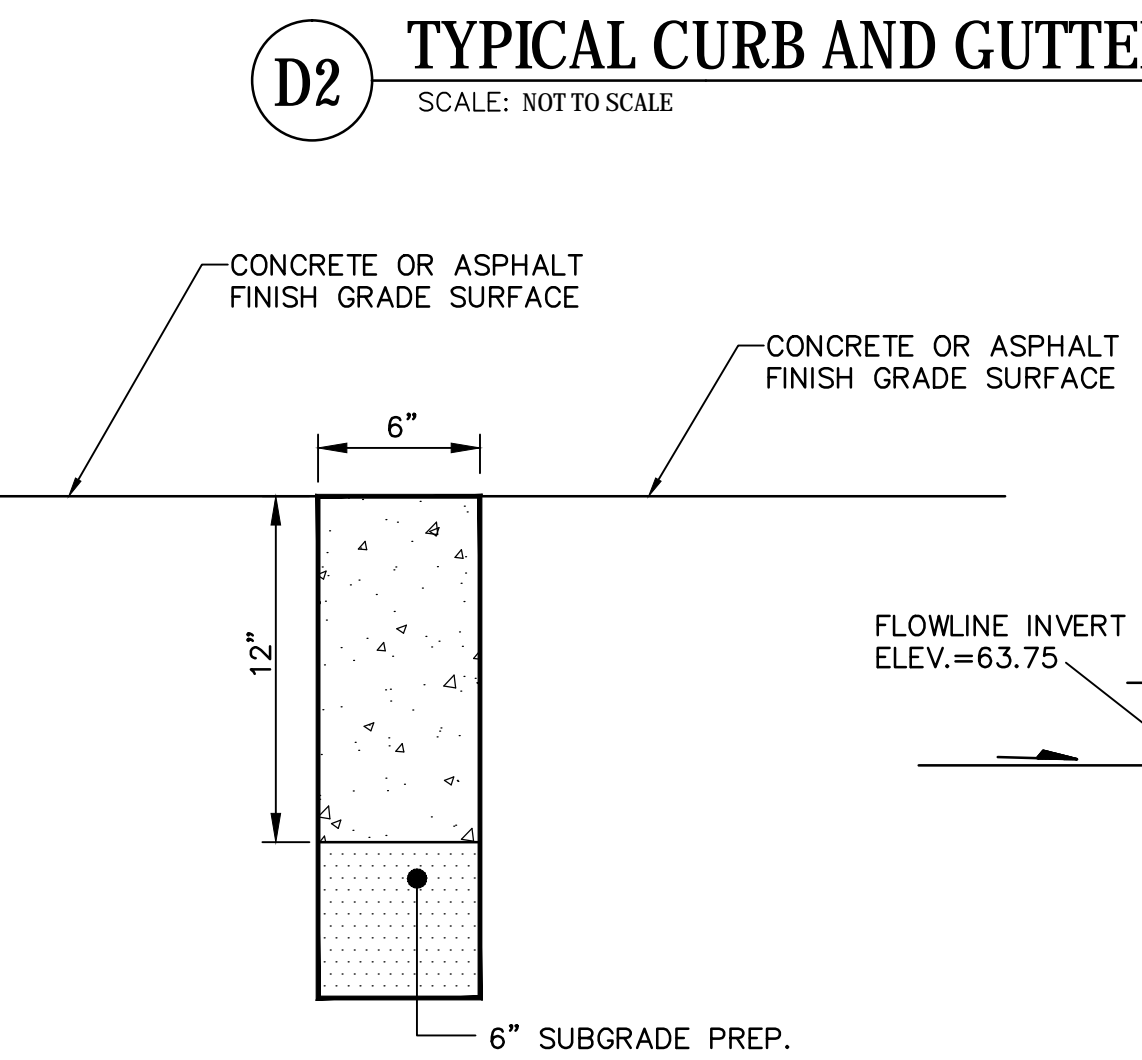
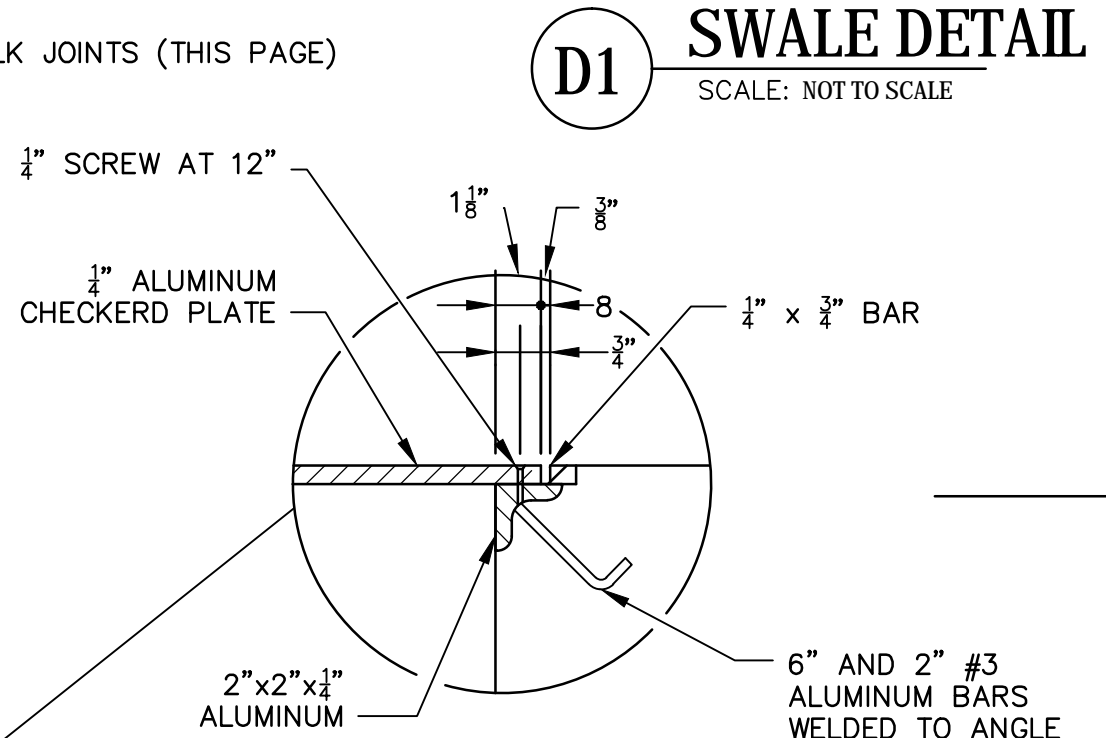
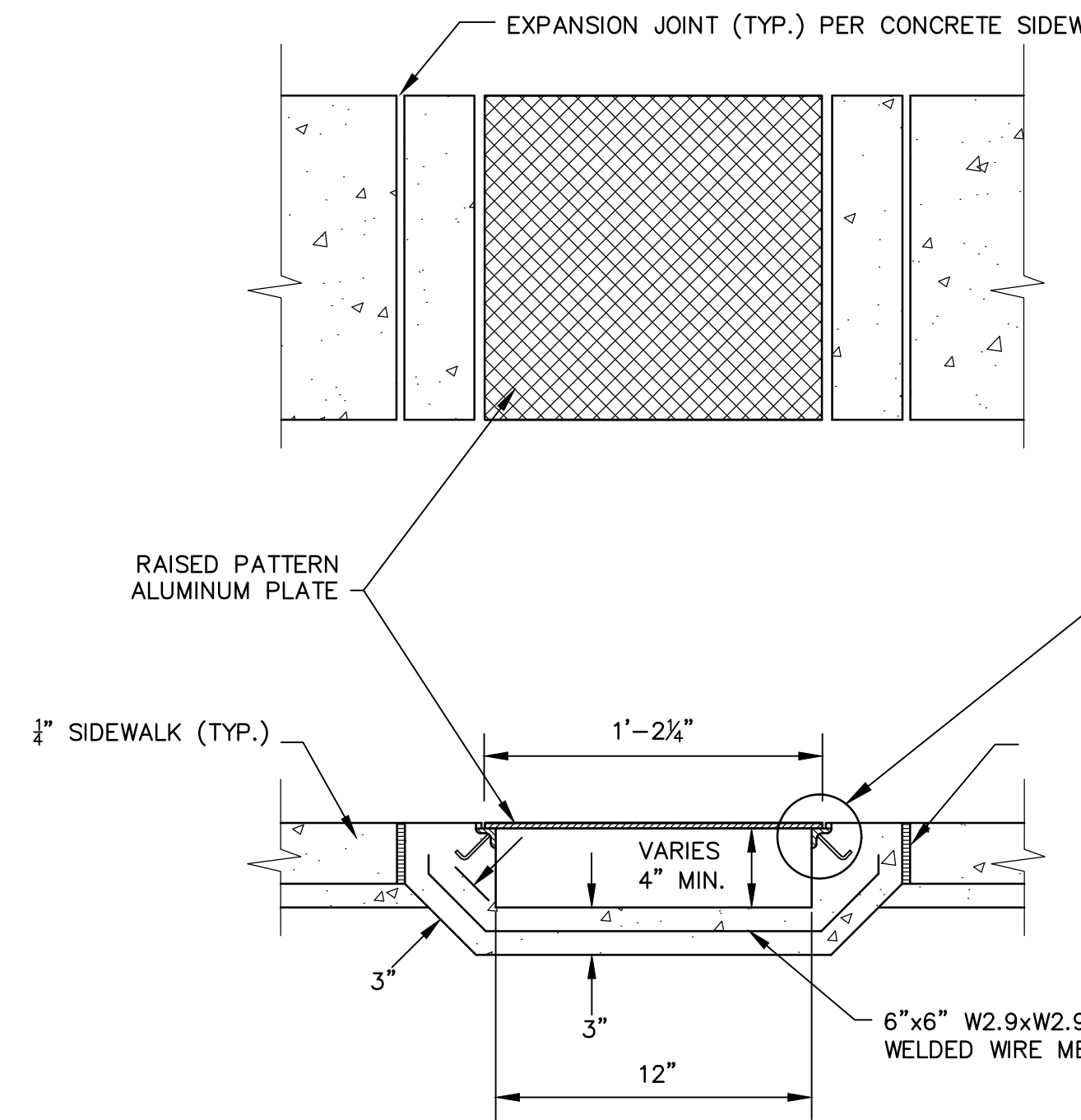
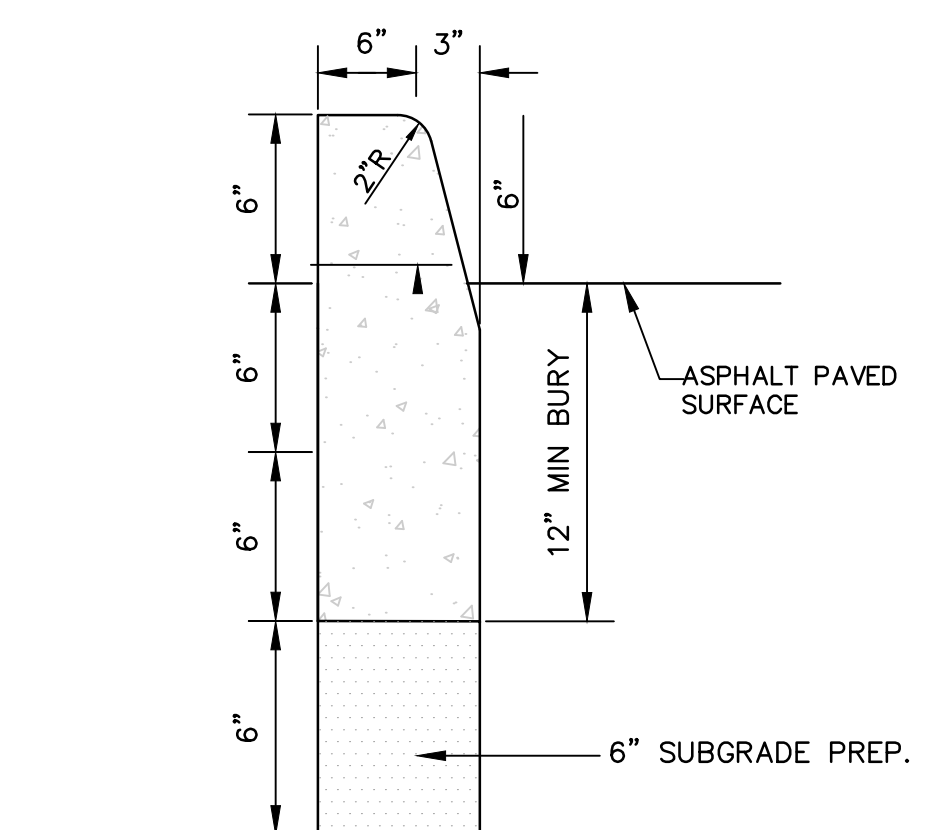
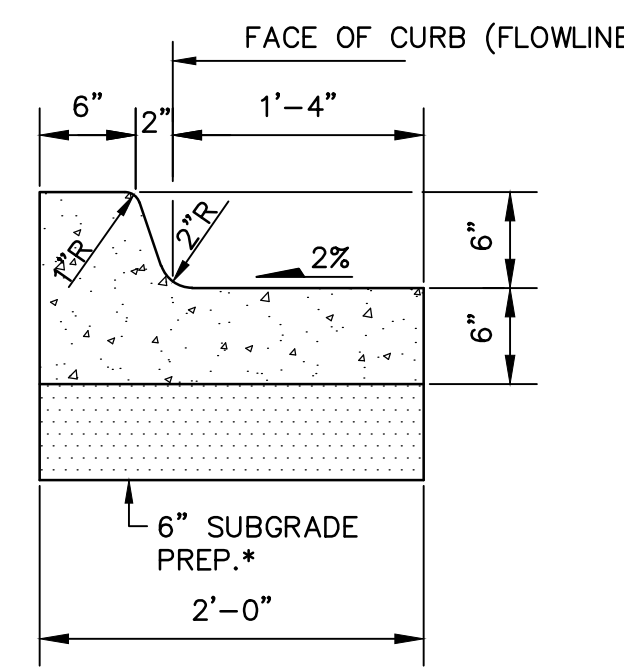
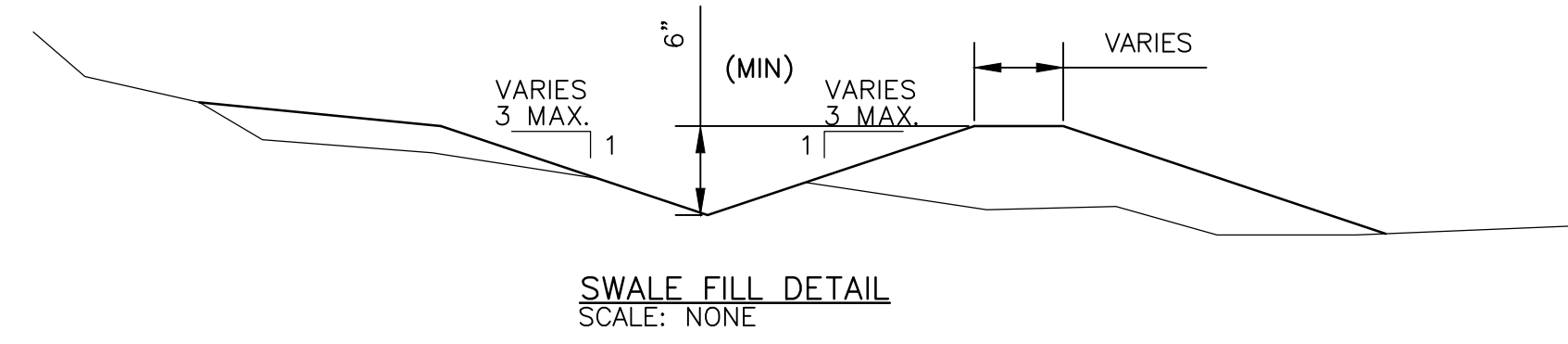
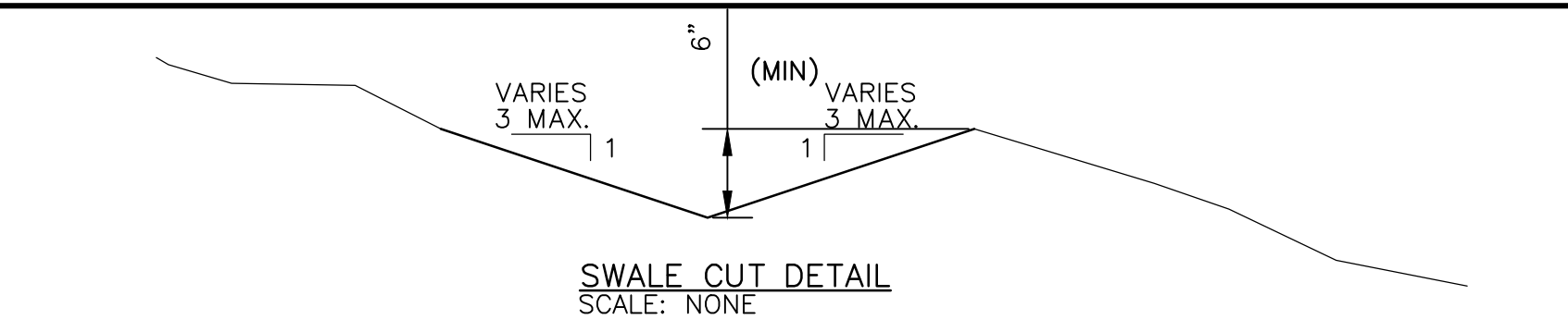
C-101

A1 GRADING AND DRAINAGE PLAN

SCALE: 1" = 20'



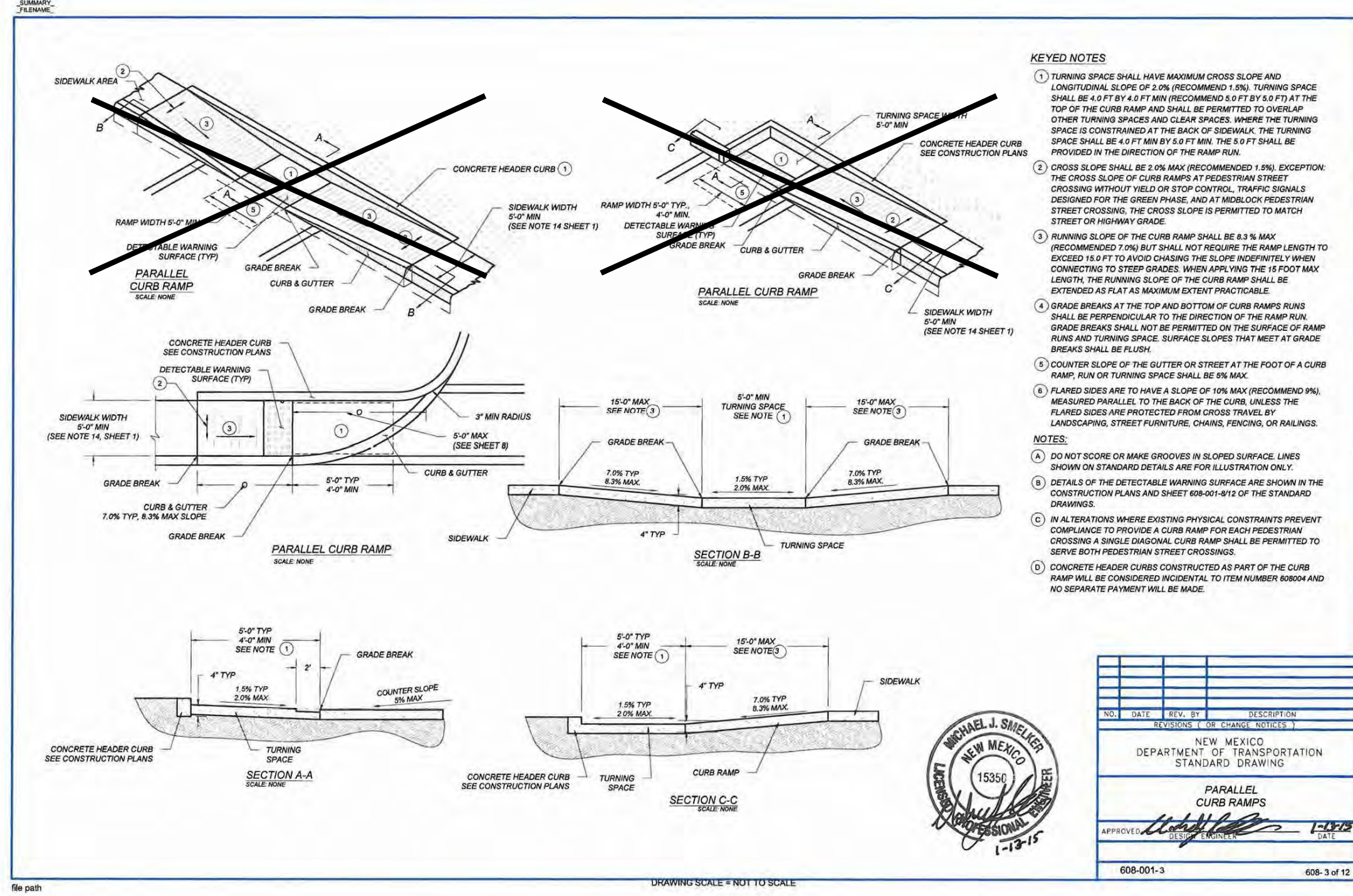
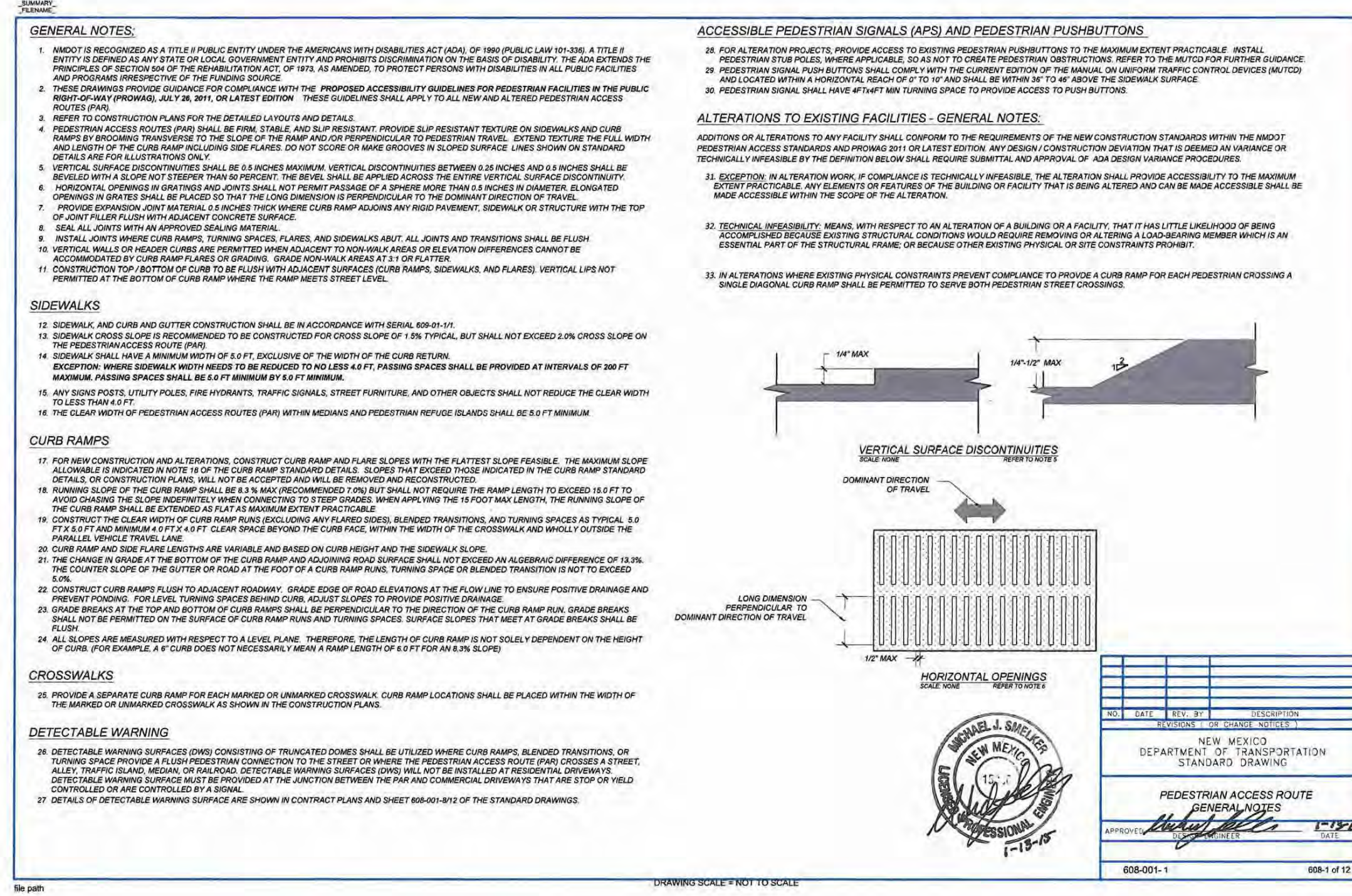
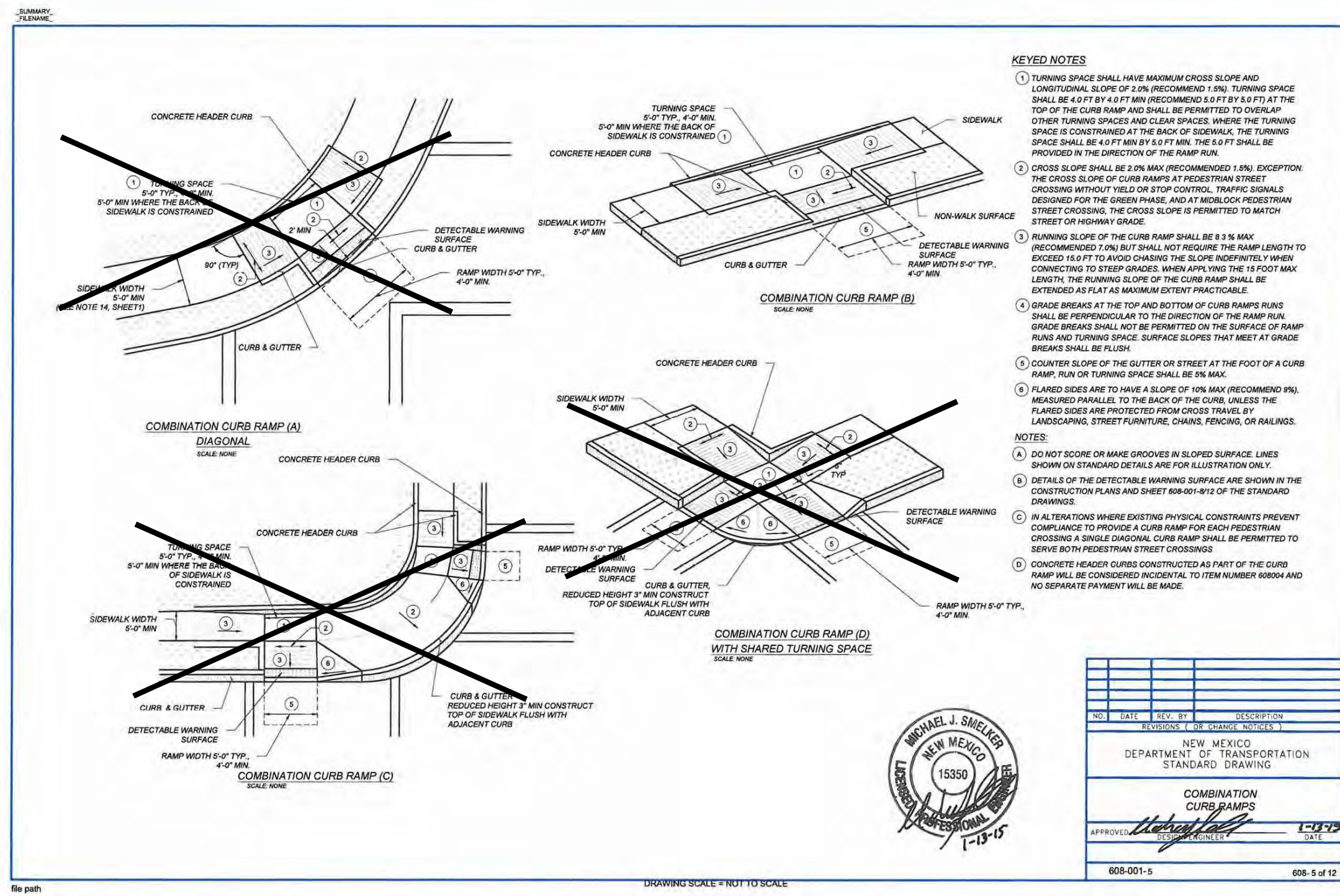
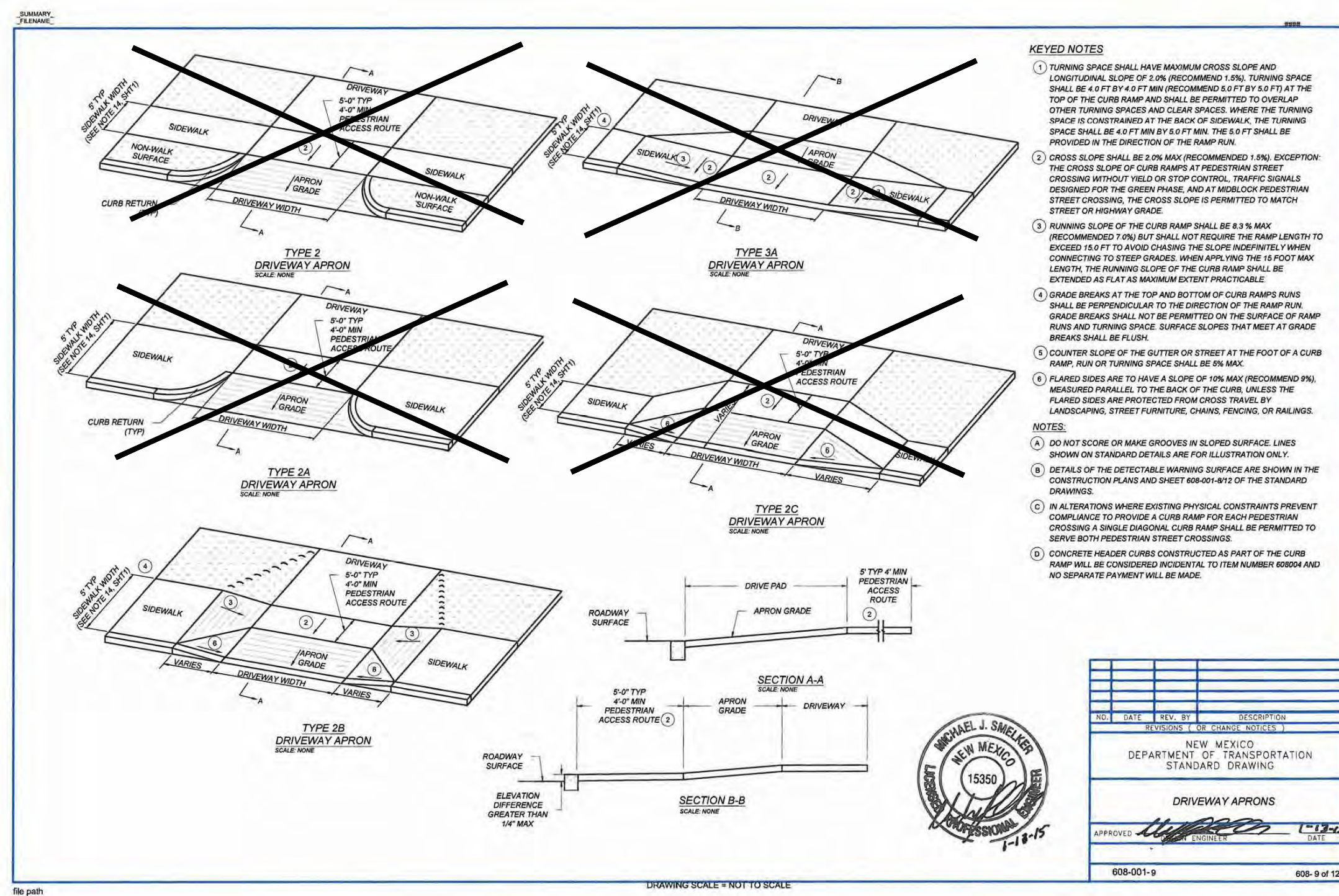
ME MILLER ENGINEERING CONSULTANTS
Engineers • Planners
3500 COMANCHE, NE
ALBUQUERQUE, NM 87110
(505) 888-7500
(505) 888-3800 (FAX)
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SUNDANCE CONSTRUCTION
BEVERLY HILLS AVENUE
SUNDANCE CONSTRUCTION

date: JANUARY 24, 2018
drawn by: V&A
checked by: RRV
file name: G & D_101817.dwg
revisions:

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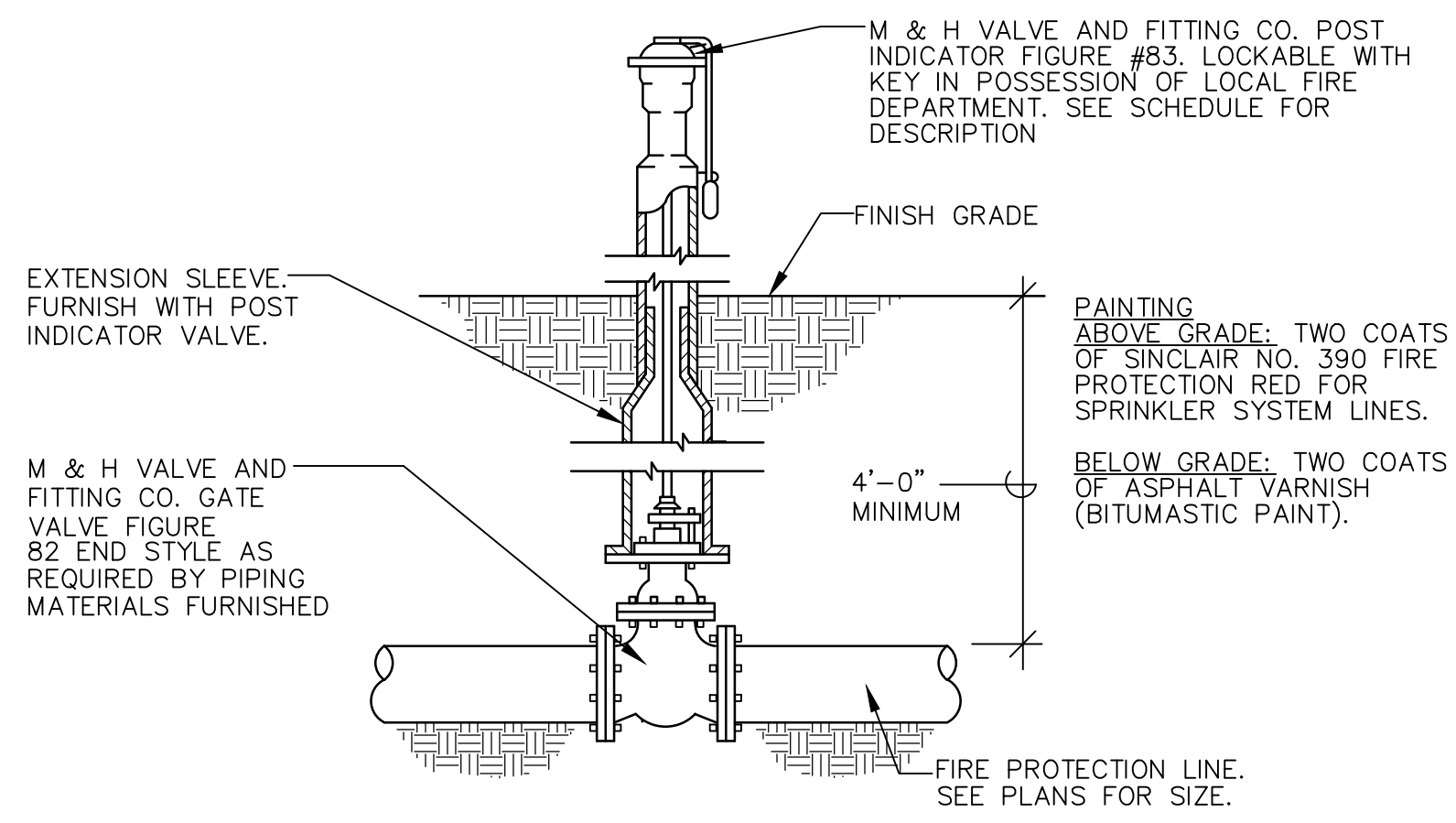


2-B MISCELLANEOUS DETAILS
SCALE: NONE

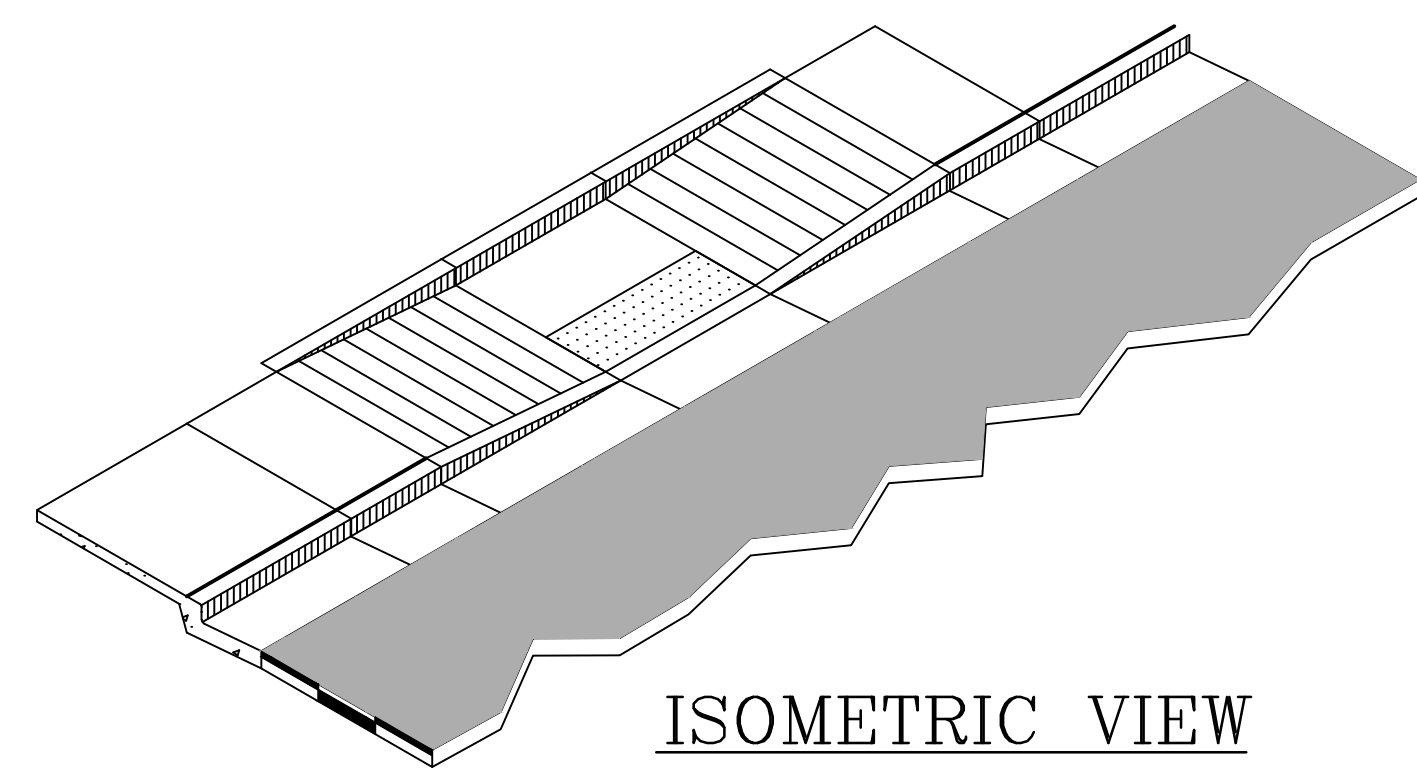
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drawn by: WEA
checked by: RRV
file name: G & D_101817.dwg
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C-502

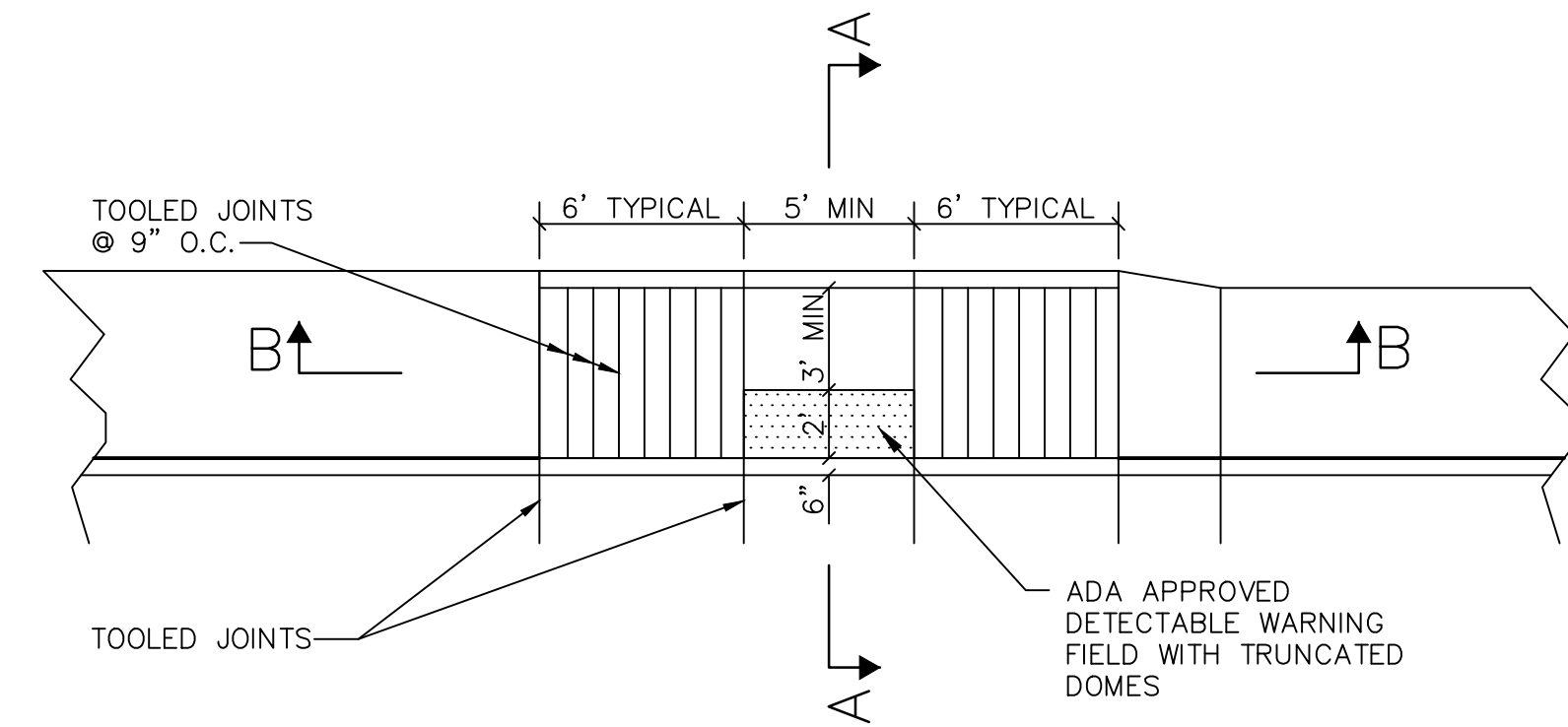




B1 POST INDICATOR VALVE DETAIL
SCALE: NOT TO SCALE

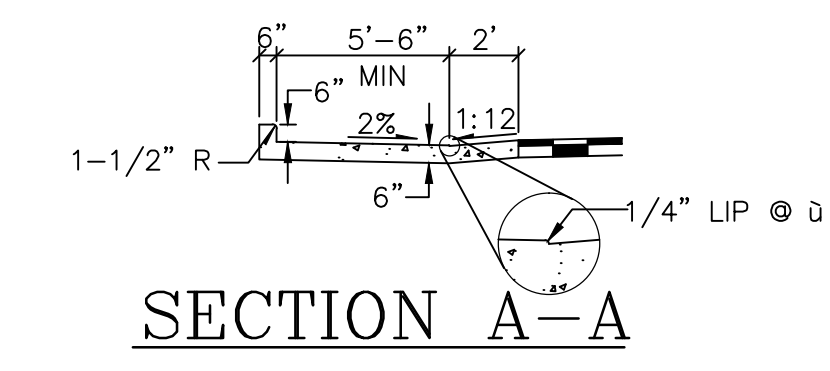


ISOMETRIC VIEW

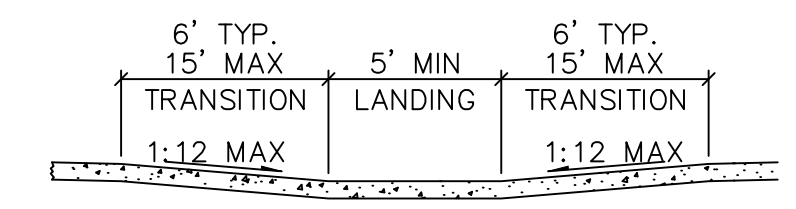


B2 TYPE A HANDICAP RAMP DETAIL
SCALE: NOT TO SCALE

- GENERAL NOTES**
1. AVOID PLACING DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
 2. RAMP SLOPES SHALL NOT BE STEEPER THAN 2%. THE TRANSITIONS SHALL HAVE A MAXIMUM SLOPE OF 1:12.
 3. DETECTABLE WARNINGS SHALL BE ARMOR-TILE TACTILE SYSTEMS, CAST-IN-PLACE SYSTEMS, BRICK RED OR APPROVED EQUAL. INSTALLATION SHALL BE DONE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



SECTION A-A

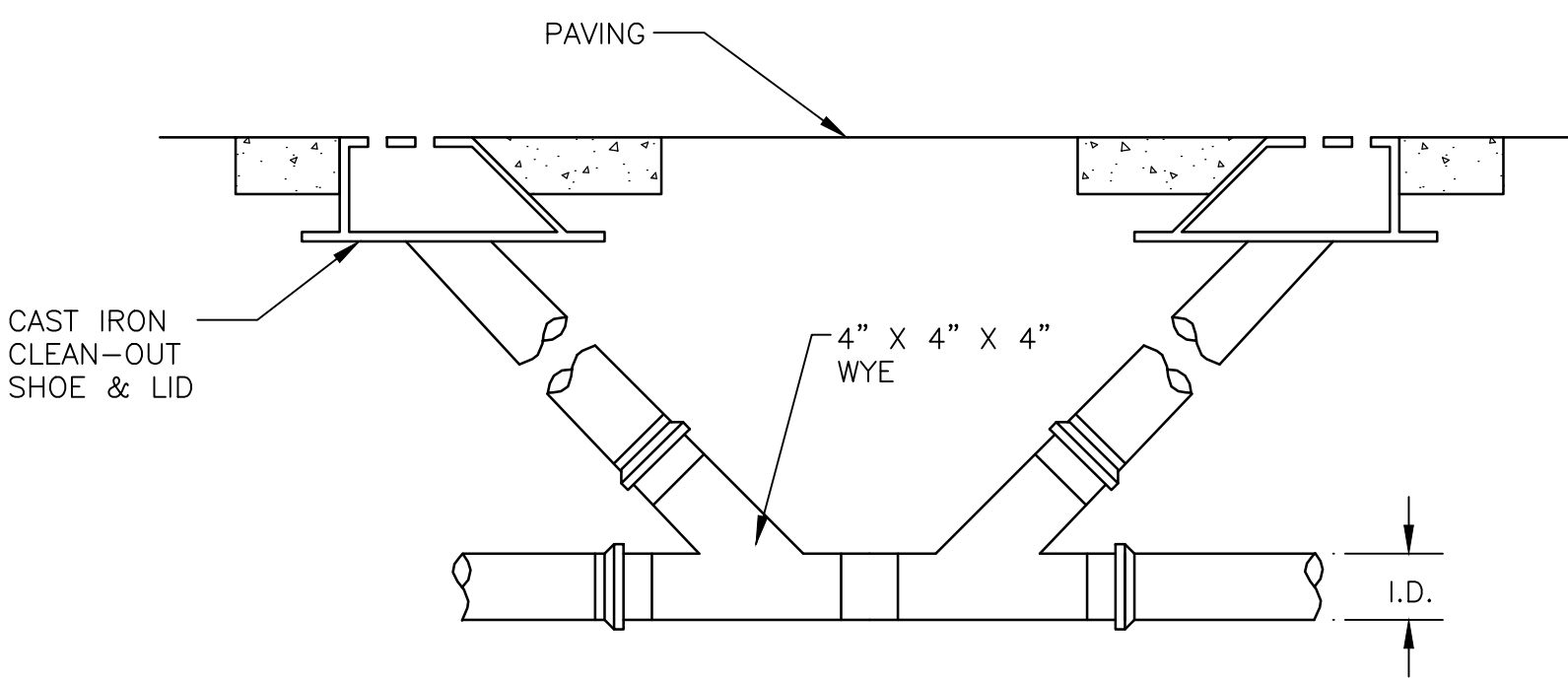


SECTION B-B

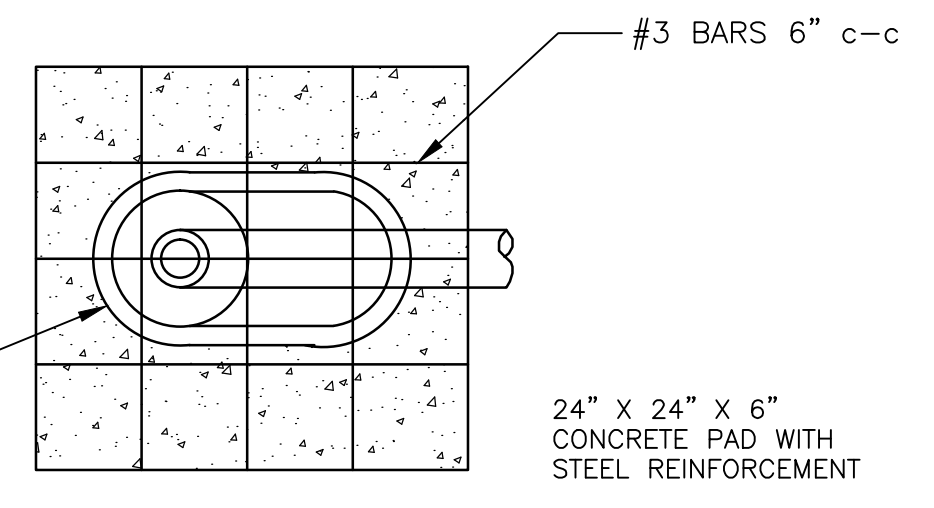


**SUNDANCE CONSTRUCTION
BEVERLY HILLS AVE NE
SUNDANCE CONSTRUCTION**

MISCELLANEOUS DETAILS

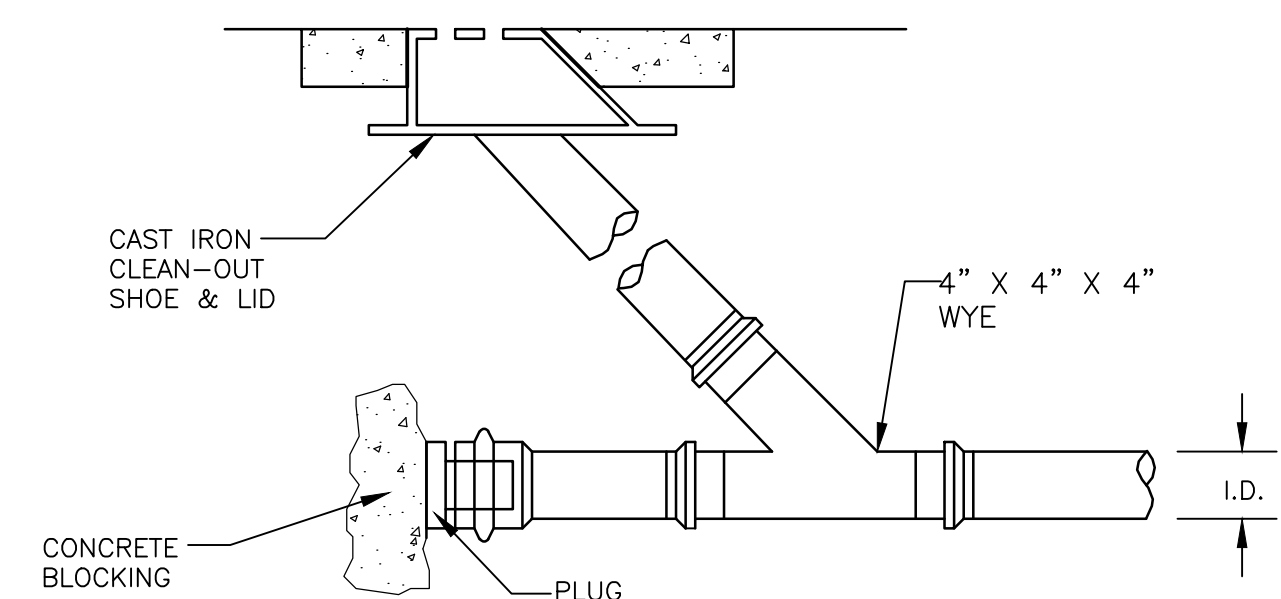


SIDE VIEW

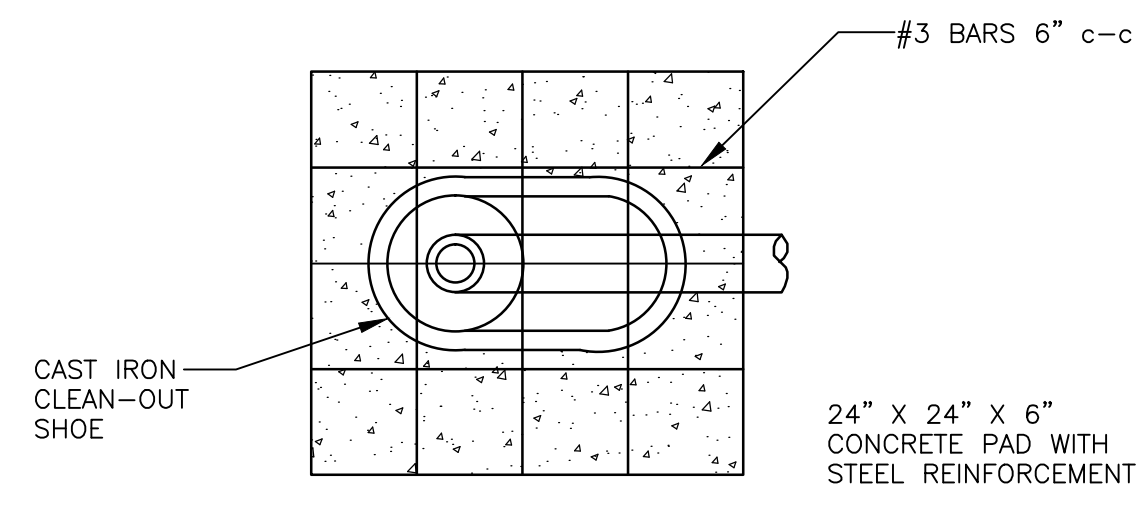


TOP VIEW

A1 TYPICAL DOUBLE SAS CLEAN-OUT
SCALE: NOT TO SCALE



SIDE VIEW

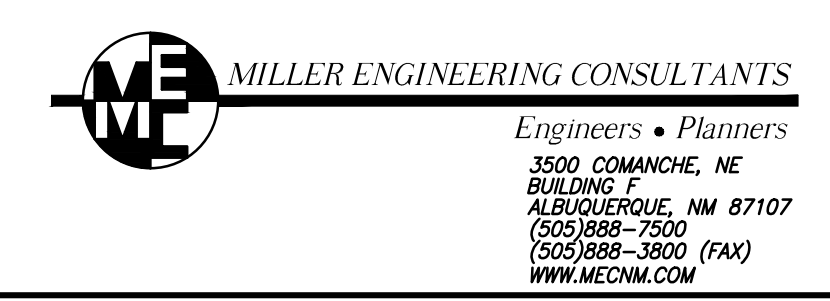


TOP VIEW

A2 TYPICAL SINGLE SAS CLEAN-OUT
SCALE: NOT TO SCALE

date: JANUARY 24, 2018
drawn by: V&A
checked by: RRV
file name: G & D_101817.dwg
revisions:

C-503



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