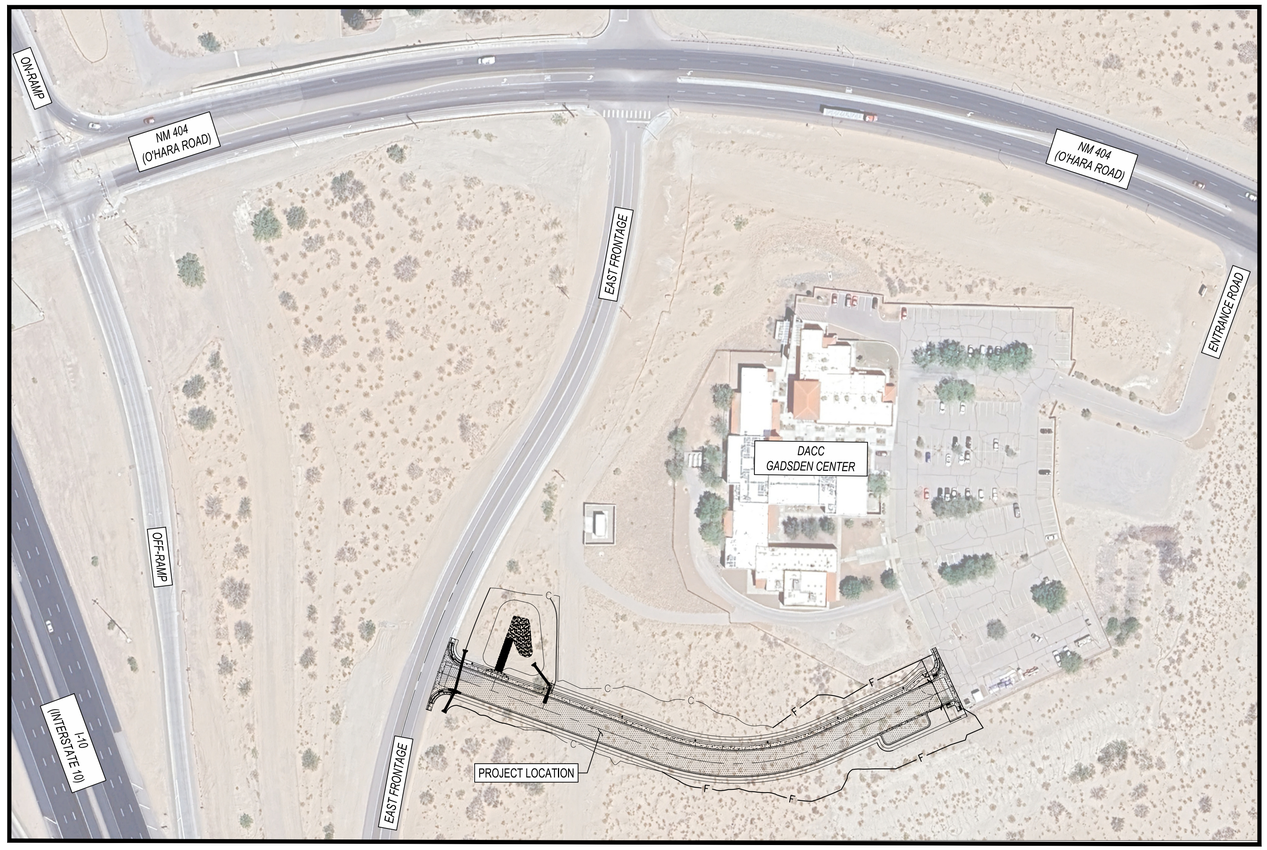
CONSTRUCTION PLANS
FOR
GADSDEN CAMPUS ENTRANCE ROAD

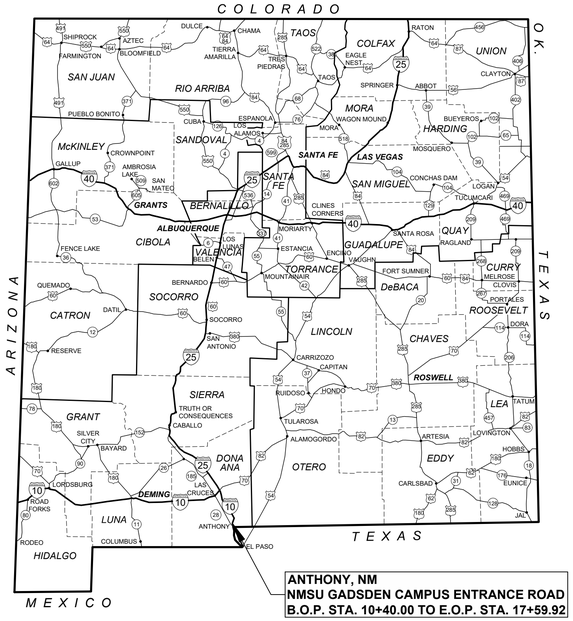
NEW MEXICO STATE UNIVERSITY

APRIL 2026

CLIENT BID/PROJECT # 5426 **BHI PROJECT #20260232**



VICINITY MAP



LOCATION MAP

Know what's below. Call before you dig.

ENGINEERS STAMP & SIGNATURE

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
COVER SHEET

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	1-1	1	51

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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
SERIES 1	
1-1	COVER SHEET
1-2	INDEX OF SHEETS
1-3	SUMMARY OF QUANTITIES
1-4	GENERAL NOTES
	SUBTOTAL = 4
SERIES 2	
2-1	PROPOSED TYPICAL SECTIONS
2-2	SURFACING SCHEDULE
2-3 TO 2-4	MISCELLANEOUS QUANTITIES
2-5 TO 2-6	MISCELLANEOUS DETAILS
2-7 TO 2-8	DEMOLITION PLAN
2-9	EROSION AND SEDIMENT CONTROL PLAN
2-10	GATE SECTION VIEW
	SUBTOTAL = 10
SERIES 3	
3-1	HORIZONTAL CONTROL PLAN
3-2 TO 3-3	ROADWAY PLAN AND PROFILE
3-4 TO 3-5	INTERSECTION PLAN VIEW
	SUBTOTAL = 5
SERIES 6	
6-1	TRAFFIC CONTROL NOTES AND QUANTITIES
6-2	TRAFFIC CONTROL PLAN
	SUBTOTAL = 2
SERIES 7	
7-1	PERMANENT SIGNING & STRIPING PLAN
	SUBTOTAL = 1
SERIES 8	
8-1	ELECTRICAL GENERAL NOTES
8-2	ELECTRICAL SYMBOLS LEGEND
8-3	ELECTRICAL SITE PLAN
8-4	ELECTRICAL DETAILS 1
8-5	ELECTRICAL DETAILS 2
8-6	POWER ONE LINE DIAGRAM
8-7	ELECTRICAL PHOTOS
	SUBTOTAL = 7
SERIES 10	
10-1	CULVERT PLAN VIEW
10-2	STORM DRAIN PLAN & PROFILE
10-3	POND GRADING SHEET
10-4	POND CROSS SECTIONS
	SUBTOTAL = 4
SERIES 11	
11-1	EXISTING UTILITIES
	SUBTOTAL = 1
SERIES 12	
12-1 TO 12-13	NMDOT STANDARD DRAWINGS
	SUBTOTAL = 13
SERIES 14	
14-1 TO 14-4	ROADWAY CROSS SECTIONS
	SUBTOTAL = 4
	PROJECT SHEET TOTAL = 51

INDEX OF NMDOT STANDARD DRAWINGS

SHEET NO.	DRAWING NO.	DESCRIPTION
SERIES 12		
12-1	607-04-1/1	STANDARD CHAIN LINK FENCE AND GATES
12-2	607-08	CABLE AND POST CHAIN LINK FENCE
12-3	609-01-1/1	SIDEWALK CURB AND GUTTER
12-4	623-04-1/1	MEDIAN DROP INLET VALLEY TYPE MODIFICATION DETAILS TYPE I, TYPE II, TYPE III
12-5	623-10-1/5	TRANSVERSE DROP INLET NOTES AND DETAILS
12-6	623-10-2/5	TRANSVERSE DROP INLET TYPE I
12-7	623-10-3/5	TRANSVERSE DROP INLET TYPE II
12-8	623-10-4/5	TRANSVERSE DROP INLET TYPE III
12-9	623-10-5/5	TRANSVERSE DROP INLET TYPE IV
12-10	623-14-1/3	DROP INLET FOR TYPE "B" CURB
12-11	623-14-2/3	DROP INLET FOR TYPE "B" CURBS GRATES, FRAMES, NOSE PLATES AND CENTER SUPPORT BEAMS
12-12	623-14-3/3	DROP INLET FOR TYPE "B" CURBS GRATES, FRAMES, NOSE PLATES AND CENTER SUPPORT BEAMS

INDEX OF APWA STANDARD DRAWINGS

SHEET NO.	DRAWING NO.	DESCRIPTION
SERIES 12		
12-13	2420	PAVING CONCRETE VALLEY GUTTER

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REVISIONS

NO.	DATE

DESIGN

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
INDEX OF SHEETS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	1-2	2	51

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SUMMARY OF QUANTITIES

			ROADWAY		DRAINAGE		ELECTRICAL & LIGHTING		PERMANENT SIGNING & STRIPING		ADDITIVE ALTERNATE		PROJECT TOTAL	
ITEM NO.	DESCRIPTION	BID UNIT	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
201000	CLEARING AND GRUBBING	LS	1										1	
203000	UNCLASSIFIED EXCAVATION	C.Y.	6,000										6,000	
207000	SUBGRADE PREPARATION 10"	S.Y.	2,630										2,630	
303160	BASE COURSE 6"	S.Y.	2,630										2,630	
408100	PRIME COAT MATERIAL	TON	5										5	
416107	MINOR PAVING TYPE I, HMA SP-IV	S.Y.	2,630										2,630	
570024	24" CULVERT PIPE	L.F.			140								140	
570025	24" CULVERT PIPE END SECTION	EACH			3								3	
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1										1	
602060	RIPRAP CLASS G	S.Y.	1,220								555		1,775	
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	LS	1										1	
607026	CHAIN LINK FENCE 6'	L.F.	62										62	
608004	CONCRETE SIDEWALK 4"	S.Y.	460										460	
609424	CONCRETE VERTICAL CURB AND GUTTER TYPE B 6" X 24"	L.F.	1,520										1,520	
609628	CONCRETE VALLEY GUTTER 6" X 28"	L.F.	70										70	
609650	CONCRETE VALLEY GUTTER 6" X 72"	L.F.	160										160	
618000	TRAFFIC CONTROL MANAGEMENT	LS	1										1	
621000	MOBILIZATION	LS	1										1	
623051	MODIFIED MEDIAN DROP INLET TYPE I (VALLEY/RURAL) H=6'1" TO 9 '0"	EACH			1								1	
623311	CURB DROP INLET TYPE I-B, 0' TO 4'	EACH			1								1	
623514	TRANSVERSE DROP INLET TYPE IV, OVER 8'	EACH			1								1	
663049	PRECONSTRUCTION UTILITY SURVEY	LS	1										1	
667500	REMOVABLE 6" STEEL BOLLARD	EACH	7										7	
701000	PANEL SIGNS	S.F.							50				50	
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	L.F.							100				100	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	LS	1										1	
704000	RETROREFLECTORIZED PAINTED MARKINGS 4"	L.F.							6,000				6,000	
704005	RETROREFLECTORIZED PAINTED MARKINGS 24"	L.F.							280				280	
704715	HOT THERMOPLASTIC PAVEMENT MARKING COMBINATION (THRU AND RIGHT) ARROW	EACH							1				1	
704716	HOT THERMOPLASTIC PAVEMENT MARKING COMBINATION (THRU AND LEFT) ARROW	EACH							1				1	
704719	HOT THERMOPLASTIC PAVEMENT MARKING THRU ARROW	EACH							1				1	
704721	HOT THERMOPLASTIC PAVEMENT MARKING WORD (STOP)	EACH							1				1	
704730	HOT THERMOPLASTIC MARKING LANE SYMBOL	EACH							1				1	
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	LS	1										1	
802000	POST CONSTRUCTION PLANS	LS	1										1	
STS 0001	UTILITY ALLOWANCE	LS	1										1	
STS 002	ELECTRICAL WORK IN ELECTRICAL ROOM	LS					1						1	
STS 003	ELECTRICAL WORK AT GATE OPERATORS	LS					1						1	
STS 004	3/4" PVC CONDUIT	LF					475						475	
STS 005	3/4" PVC CONDUIT	LF					775						775	
STS 006	#6 AWG CONDUCTOR	LF					3,150						3,150	
STS 007	#10 AWG CONDUCTOR	LF					3,050						3,050	
STS 008	TRENCH AND BURY	LF					900						900	
STS 009	24"X24"X12" PULL BOX	EACH					3						3	
STS 010	LIGHT FIXTURES	EACH					7						7	
STS 011	SITE ACCESS GATE AND ELECTRIC OPERATORS	LS					1						1	

ENGINEER'S SEAL

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REVISIONS

NO.	DATE

DESIGN

DESIGNED BY

CHECKED BY

DRAWN BY

Bohannan Huston
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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
SUMMARY OF QUANTITIES

BHI PROJECT NO. 20260232 | DWG NO. 1-3 | SHEET 3 OF 51

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GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT CONSTRUCTION PLANS, SPECIFICATIONS AND THE LATEST EDITION OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

3. NO MODIFICATIONS TO THESE PLANS SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF THE OWNER, ENGINEER AND ALL APPROVAL SIGNATORIES. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR TECHNIQUES OR FOR THE PROSECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR OTHER PERSONS PERFORMING ANY WORK, AS SHOWN IN THE PROJECT CONTRACT DOCUMENTS.

6. THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE EMERGENCY CONTACT PERSON, AND SHALL PROVIDE TELEPHONE NUMBERS WHERE THIS PERSON CAN BE CONTACTED AT ANY TIME. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER.

7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL JURISDICTIONAL AUTHORITIES PRIOR TO START OF CONSTRUCTION, AND SHALL BE AVAILABLE FOR REVIEW UPON REQUEST BY OWNER.

8. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY, HEALTH, AND ENVIRONMENTAL PROTECTION.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ACTIVITIES ASSOCIATED WITH THE PROTECTION, PRESERVATION, AND MAINTENANCE OF EXISTING FACILITIES NOT TO BE DEMOLISHED, UTILITIES, FENCES, AND ADJACENT STRUCTURES DURING THE CONSTRUCTION PHASE OF THIS PROJECT.

10. EXISTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR THAT ARE NOT SHOWN ON THE PLANS OR WITHIN THE CONTRACT DOCUMENTS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

11. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING GEOMETRIC CONDITIONS WITHIN THE LIMITS OF THE PROPOSED CONSTRUCTION. ANY DEVIATIONS FROM THE INFORMATION PROVIDED HEREIN, SHOULD BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE.

12. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE LOCAL DUST ORDINANCE DURING ALL ACTIVITIES ASSOCIATED WITH THIS CONSTRUCTION.

13. THE CONTRACTOR SHALL ONLY UTILIZE THE DESIGNATED STAGING AREAS FOR STORAGE OF ALL EQUIPMENT AND MATERIALS. THE OWNER ASSUMES NO RESPONSIBILITY OR LIABILITY FOR CONTRACTOR'S EQUIPMENT AND MATERIAL IN THE STAGING AREA. SECURITY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IF NO STAGING AREA IS DESIGNATED ON THESE PLANS, AN OFF-SITE STAGING AREA SHALL BE PROVIDED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE, OR THE CONTRACTOR MAY NEGOTIATE WITH THE OWNER TO USE AN ON-SITE AREA.

14. FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL VERTICAL AND HORIZONTAL CONTROLS ON THE CONSTRUCTION DOCUMENTS, ARE SHOWN APPROXIMATE AND IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION PROVIDED BY VARIOUS OWNERS OF THE FACILITIES, AND SUPPLEMENTED BY VISUAL SURFACE INFORMATION WHERE APPROPRIATE. ACCURACY, LOCATION, AND COMPLETENESS OF THIS INFORMATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE VERIFIED, BY ANY MEANS NECESSARY, PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IMMEDIATELY.

15. THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE CONSTRUCTION LIMITS, DEDICATED EASEMENTS, AND/OR PERMITTED PUBLIC RIGHTS-OF-WAY TO PRESERVE EXISTING VEGETATION, LANDSCAPING, AND PRIVATE PROPERTY. APPROVAL OF THESE PLANS DOES NOT GIVE OR IMPLY ANY PERMISSION TO TRESPASS OR WORK OUTSIDE OF THESE AREAS. PERMISSION MUST BE GRANTED IN WRITING BY THE OWNER OF THAT PROPERTY.

16. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO KEEP THE JOB SITE FREE FROM TRASH ON A DAILY BASIS, AND ALL MATERIALS WILL BE NEATLY ORGANIZED. TRASH AND/OR NON-USED MATERIALS SHALL NOT BE BURIED ON-SITE.

17. CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING BY A LICENSED PROFESSIONAL SURVEYOR UTILIZING THE APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE CONSTRUCTION PLANS SHALL BE REFLECTED IN THE CONTRACTOR'S AS-BUILT RECORD DRAWINGS.

18. MAINTENANCE OF RECORD DRAWINGS: THE CONTRACTOR SHALL MAINTAIN AN UP-TO-DATE SET OF RECORD DRAWINGS FOR THE PROJECT. THESE PLANS SHALL BE UPDATED AT LEAST EVERY TWO WEEKS AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT REPRESENTATIVE FOR COMPLETENESS AT LEAST ONCE A MONTH. CONTRACTOR SHALL SUBMIT ACCURATE, DETAILED AND COMPLETE "AS-BUILT" RECORD DRAWINGS OF THE FINAL CONSTRUCTION TO OWNER UPON COMPLETION OF THE WORK, PRIOR TO FINAL PAYMENT. RECORD DRAWINGS SHALL SPECIFICALLY IDENTIFY THE STATIONING OF EVERY SERVICE CONNECTION AND THE DISTANCE FROM THE SERVICE TEE TO THE CLOSEST MANHOLE.

19. THE CONTRACTOR AND MANUFACTURER ARE RESPONSIBLE FOR THE TESTING OF THE SYSTEM PRIOR TO ACCEPTANCE BY THE OWNER. TESTING SHALL BE PERFORMED TO DEMONSTRATE THE FUNCTIONALITY OF THE SYSTEM. THE COST OF THE TESTING SHALL BE INCIDENTAL TO THE CONTRACT. REFER TO SPECIFICATION SECTION 01650 FOR START-UP TRAINING REQUIREMENTS.

20. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY MEASURES REQUIRED TO PROTECT COMPLETED & ONGOING WORK, ADJACENT STRUCTURES AND EQUIPMENT DURING CONSTRUCTION.

21. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE DISPOSAL OF ALL WASTE MATERIALS

GENERAL CONSTRUCTION NOTES - (CONT.)

GENERATED DURING THE CONSTRUCTION OF THE PROJECT. THE WASTE SITE SHALL BE A PERMITTED SOLID WASTE DISPOSAL SITE AND ALL COSTS INCURRED IN OBTAINING ACCESS TO THE SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

22. CONTRACTOR SHALL VERIFY SURVEY CONTROL PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ALL PROJECT BENCHMARKS SHALL BE PROTECTED WHENEVER POSSIBLE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE ANY MONUMENTS DAMAGED OR OBLITERATED AS A RESULT OF CONSTRUCTION ACTIVITIES. RESTORATION OF BENCHMARKS AND MONUMENTS SHALL BE DONE BY A LICENSED PROFESSIONAL SURVEYOR.

23. ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE OWNER AND/ OR ENGINEER AND / OR ALL WORK AND MATERIALS NOT IN COMPLIANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

24. CONTRACTOR TO NOTIFY THE OWNER AND ENGINEER A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF WORK.

25. ANY WORK PERFORMED IN A DRAINAGE CHANNEL, FLOODPLAIN, OR OTHER STORM WATER RUNOFF FACILITY MUST BE PROTECTED BY MEANS OF TEMPORARY PONDING AND/OR DIVERSION OF STORM FLOWS UNTIL SUCH WORK HAS BEEN ACCEPTED BY THE ENGINEER.

26. WATER FOR CONSTRUCTION IS AVAILABLE FROM THE LOCAL WATER UTILITY COMPANY AT STANDARD INDUSTRIAL RATES TO THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ALL PIPING, CONNECTIONS, BACKFLOW PREVENTION DEVICES, AND METER NECESSARY TO OBTAIN WATER FROM A CONNECTION. CONTRACTOR TO COORDINATE WITH WATER UTILITY TO DETERMINE LOCATIONS OF TAP.

27. ALL MATERIALS TESTING FOR THE PURPOSE OF ACCEPTANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS BY AN INDEPENDENT CERTIFIED TESTING LABORATORY UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH FAILED TESTS AND RETESTS

ROADWAY/TRAFFIC NOTES

1. UNLESS OTHERWISE PROVIDED AS PART OF THE CONSTRUCTION PLANS, A COMPLETE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY AN ENGINEER, LICENSED IN THE STATE OF NEW MEXICO, WHEN ANY PORTION OF THE WORK IS IN THE PUBLIC RIGHT-OF-WAY. ALL CONSTRUCTION SIGNING, BARRICADING AND CHANNELIZATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD), LATEST EDITION. THE PLAN SHALL BE SUBMITTED TO DONA ANA COUNTY ENGINEERING DEPARTMENT FOR APPROVAL AT LEAST 14 DAYS PRIOR TO THE DESIRED START OF CONSTRUCTION. THE CONTRACTOR SHALL NOT IMPLEMENT THE TRAFFIC CONTROL PLAN UNTIL APPROVAL OF THE PLAN HAS BEEN RECEIVED. AN APPROVED COPY OF THE TRAFFIC CONTROL PLAN MUST BE PROVIDED TO THE ENGINEER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONSTRUCTION SIGNS, BARRICADES, ETC. UNTIL COMPLETION OF CONTRACT AND, SHALL HAVE PERSONNEL AVAILABLE AT ALL TIMES, UNTIL THE PROJECT IS COMPLETE, TO REPAIR, REPLACE SIGNS, BARRICADES, ETC. NO ADDITIONAL PAYMENT WILL BY MADE BY OWNER.

3. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS AND TAKE WHATEVER MEASURES ARE NECESSARY TO ENSURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN, MUD AND DUST-FREE CONDITION AT ALL TIMES.

4. THE CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES SO AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS, OWNER STAFF, OR OTHER CONTRACTORS ON SITE. 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.

5. PAVEMENT MARKINGS AND STRIPING SHALL CONFORM TO SECTION 704 OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (LATEST EDITION) AND DIVISION 704 OF THE NMDOT'S STANDARD DRAWINGS.

6. RESIDENTIAL DRIVEWAY CULVERTS AND PARALLEL CULVERTS ALONG ROADWAYS ARE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. IF CULVERTS REQUIRE REMOVAL AND/OR REPLACEMENT THE CULVERTS SHALL BE INSTALLED TO MATCH EXISTING INVERT ELEVATIONS.

7. PRIOR TO REMOVAL OF ANY PAVEMENT, A FIELD SURVEY MUST BE COMPLETED THAT MEETS OR EXCEEDS THE REQUIREMENTS OF SPECIFICATION 01 71 23.

GRADING NOTES:

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON PLANS.

2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON PLANS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," COMPLETED AS PART OF THE PROJECT AS SPECIFIED.

4. EARTH SLOPES ON ALL FINISHED SURFACES (INCLUDING BORROW AND WASTE AREAS) SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.

5. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE AS SHOWN ON THE PLANS OR OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

6. FINAL PAVING AND ROADWAY GRADES SHALL BE +/- 0.05' FROM PLAN TOP OF ELEVATIONS. CONCRETE ELEVATIONS SHALL BE +/- 0.02' FROM ELEVATIONS SHOWN ON PLANS.

7. ALL PROPOSED CONTOURS REFLECT FINISHED SURFACE ELEVATIONS.

8. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

GENERAL UTILITY NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO UTILITIES AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING AND CLEANING. ANY WORK NOT ACCEPTED BY THE ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.

2. ALL RESIDENTIAL SEWER SERVICE WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED OF HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE IAPMO UNIFORM PLUMBING CODE, LATEST EDITION.

3. UTILITY LINES SHALL BE INSTALLED PRIOR TO FINISH GRADING, SURFACING, PAVEMENT, CURB AND GUTTER, AND/OR SIDEWALK, AS APPLICABLE.

4. ROUGH GRADING OF SITE (±0.5') SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.

5. CONTRACTOR SHALL VERIFY INVERTS AND LOCATIONS OF EXISTING WATER/SAS LINES PRIOR TO BEGINNING WORK. ALL CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO BEGINNING WORK.

6. TRACER TAPE SHALL BE INSTALLED ABOVE ALL UNDERGROUND PIPE LINES.

7. ALL MAIN LINE UTILITIES TO HAVE TRACING WIRE (EXCEPT GRAVITY SEWER LINES).

8. CONTRACTOR TO PROVIDE FITTINGS AS NECESSARY TO MAINTAIN ALIGNMENT TO THE BEST EXTENT POSSIBLE.

9. ADJUSTMENT OF VALVE BOXES AND MANHOLE RIMS ASSOCIATED WITH NEW PAVING SHALL BE CONSIDERED INCIDENTAL TO THE WORK.

10. ALL UTILITY OUTAGES MUST BE PRE-APPROVED AND SCHEDULED WITH THE UTILITY OWNER AND THE RESIDENT PROJECT REPRESENTATIVE OR ENGINEER.

WATER UTILITY NOTES:

1. NEW PIPING CONNECTIONS MADE TO EXISTING ASBESTOS CEMENT (AC) PIPES WILL BE MADE IN ACCORDANCE WITH THE ASBESTOS NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR CATEGORY II NON FRIABLE ASBESTOS CEMENT MATERIAL (ACM).

2. ALL UTILITY OUTAGES MUST BE PRE-APPROVED AND SCHEDULED WITH THE UTILITY OWNER AND THE RESIDENT PROJECT REPRESENTATIVE OR ENGINEER.

3. ALL NEW WATER PIPELINE SHALL BE PRESSURE TESTED PER SPECIFICATIONS AND AWWA STANDARDS. PRESSURE TESTING SHALL BE CONSIDERED INCIDENTAL TO THE WORK.

4. ALL NEW WATER PIPELINE, WATER STORAGE TANKS AND RESERVOIRS, AND APPURTENANCES SHALL BE DISINFECTED PER SPECIFICATIONS AND AWWA STANDARDS. DISINFECTION SHALL BE CONSIDERED INCIDENTAL TO THE WORK

EROSION CONTROL / ENVIRONMENTAL PROTECTION STORM WATER POLLUTION PREVENTION PLAN:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL NECESSARY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, OBTAINING AN NPDES PERMIT PRIOR TO CONSTRUCTION, FILLING OUT THE NOTICE OF INTENT (NOI) APPLICATION, AND FILLING OUT THE NOTICE OF TERMINATION (NOT) APPLICATION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE IMPLEMENTATION OF AND INSPECTION REPORTS FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL SUBMIT THE SWPPP WITH THE PROPOSED CONSTRUCTION STAGING AREA AND TEMPORARY SANITARY FACILITIES CLEARLY SHOWN TO THE ENGINEER FOR APPROVAL. ANY CHECK DAMS, SILT FENCES, OR OTHER BEST MANAGEMENT PRACTICES (BMPS) THAT ARE REQUIRED IN THE APPROVED SWPPP SHALL BE INCLUDED IN AND ARE INCIDENTAL TO THE PROJECT COST.

2. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED SWPPP ON-SITE AT ALL TIMES, AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN.

3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM THE REGULATORY AGENCIES.

4. THE CONTRACTOR SHALL EITHER PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR INSTALL BMPS IDENTIFIED IN THE APPROVED SWPPP TO PREVENT DISCHARGE OF EXCAVATED MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY DURING A RAIN OR WIND EVENT.

5. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO OTHER PROPERTY BY INSTALLING BMPS IDENTIFIED IN THE APPROVED SWPPP AT THE PROPERTY LINES.

6. THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING BMPS IDENTIFIED IN THE APPROVED SWPPP IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS AS SPECIFIED IN THE SWPPP.

7. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.

8. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 21 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS.

9. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED TO HAUL OR DISPOSE OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES, AND ARCHAEOLOGICAL RESOURCES.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE TEAM AT 505-827-9329.

11. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

12. WHERE STORM INLETS ARE SUSCEPTIBLE TO INFLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE PROVIDED ON THEIR UPSTREAM SIDE UTILIZING BMPS IDENTIFIED IN THE APPROVED SWPPP.

13. THE CONTRACTOR SHALL IMPLEMENT THE APPROVED SWPPP AND ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.

CONTACT INFORMATION FOR:

NEW MEXICO STATE UNIVERSITY
EVARISTO GIRON 575.646.3392

BOHANNAN HUSTON, INC.
ERIC HAMILTON, PE, CFM 575.532.8670

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

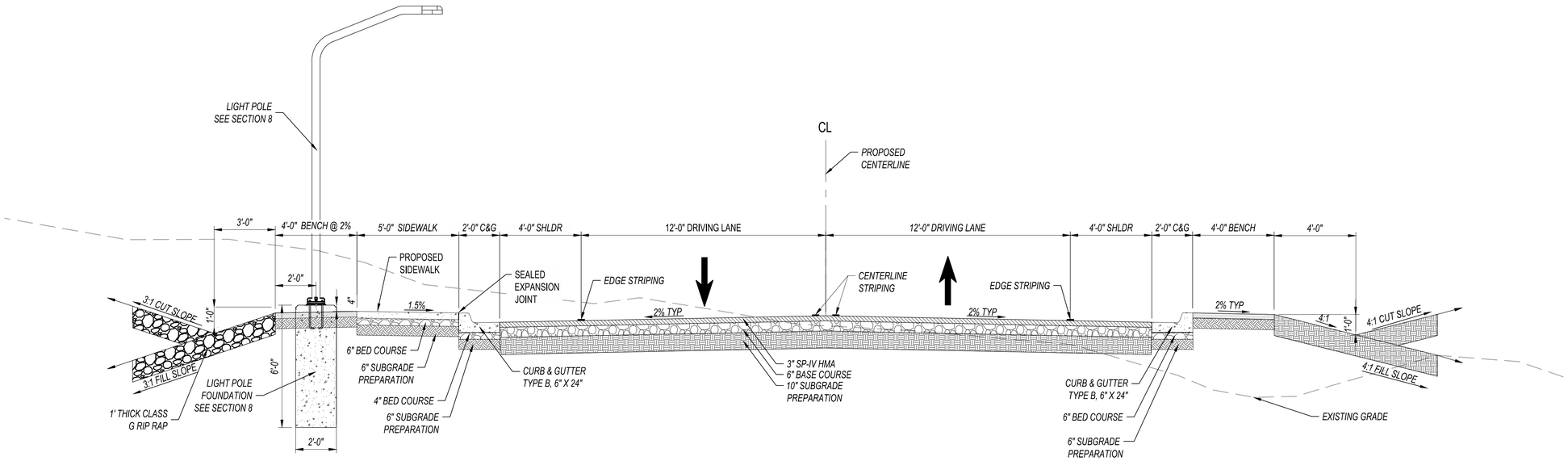
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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
GENERAL NOTES

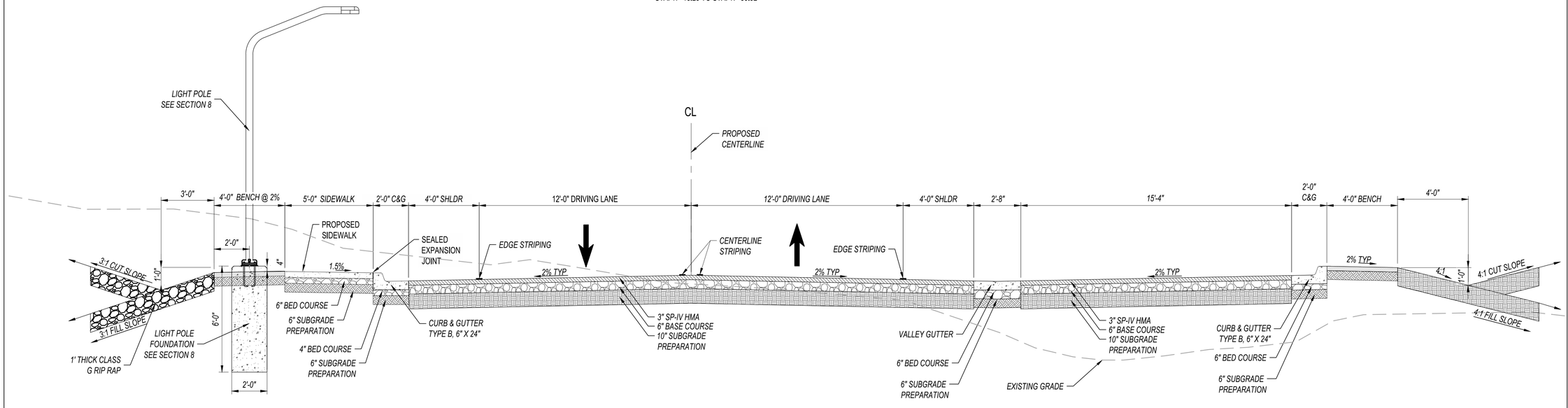
BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	1-4	4	51

Thu, 16-Apr-2026 - 1:29:pm, Plotted by: ARAMSEY
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1 PROPOSED TYPICAL SECTION

SCALE: NOT TO SCALE
STA: 10+40.00 TO STA: 16+42.53
STA: 17+16.29 TO STA: 17+59.92



2 PROPOSED TYPICAL SECTION

SCALE: NOT TO SCALE
STA: 16+42.53' TO STA:17+16.29'

DESIGN CRITERIA

HORIZONTAL							VERTICAL			CLEAR ZONE
ROUTE	STATION	DESIGN SPEED	POSTED SPEED	WORK ZONE SPEED	Rmin	emax	MAX GRADE	K-SAG	K-CREST	
PROPOSED ACCESS RD.	11+40 - 17+60 (BOP)	25 MPH	20 MPH		144 FT.	6%	6%	26	19	7 FT.
PROPOSED ACCESS RD. (STOP CONDITION)	10+40 (BOP) - 11+40	15 MPH	20 MPH		39 FT.	6%	6%	10	3	7 FT.

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

REVISIONS

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
PROPOSED TYPICAL SECTIONS

BHI PROJECT NO. 20260232
DWG NO. 2-1
SHEET 5 OF 51

Thu, 16-Apr-2026 - 1:27 pm, Plotted by: ARAMSEY
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SURFACING SCHEDULE

STATION	TO	STATION	DESCRIPTION	AREA (SF)	LENGTH (L.F.)	303160 BASE COURSE AVG. WIDTH (L.F.)	AVG. DEPTH (IN.)	AREA (S.Y.)	* TON	207000 SUBGRADE PREPARATION 10" AVG. WIDTH (L.F.)	AVG. DEPTH (IN.)	AREA (S.Y.)	* PG 70-22 + ASPHALT MATERIAL TON	407000 ASPHALT MATERIAL FOR TACK COAT AVG. WIDTH (L.F.)	TON	408100 PRIME COAT MATERIAL AVG. WIDTH (L.F.)	* TON	416107 MINOR PAVING TYPE I, HMA SP-IV AVG. WIDTH (L.F.)	DEPTH (IN.)	AREA (S.Y.)	* TON
GADSDEN CAMPUS ENTRANCE ROAD																					
10+46.00	-	17+53.92	GADSDEN CAMPUS ENTRANCE ROAD - (2) 12' LANES (2) 4' SHOULDERS		707.92	32.00	6	2,517.05	765.60	32.00	10	2,517.05	20.38	111.66	2.93	32.00	4.72	32.00	3	2,517.05	415.94
16+67.18	-	17+30.94	GADSDEN CAMPUS ENTRANCE ROAD - TURNAROUND / TEMP. PARKING		63.76	15.33	6	108.60	33.03	15.33	10	108.60	0.88	111.66	0.26	16.00	0.21	15.33	3	108.60	17.95
			PROJECT TOTAL					2,625.65	683.79			2,625.65	20.38		2.61		4.22			2,625.65	371.49
			PROJECT USE					**2,630**				**2,630**			**3**		**5**			**2,630**	

* FOR CONTRACTOR INFORMATION ONLY.

ESTIMATED SURFACING FACTORS

ITEM	PG 70-22 % BY WT. OF TOTAL MIX	SEC. 407 GALLONS PER S.Y.	SEC. 408 GALLONS PER S.Y.	UNIT WEIGHT LBS. PER C.Y.	HYDRATED LIME % BY WT. OF TOTAL MIX	GALLONS PER TON
OPEN GRADED FRICTION COURSE				3081 **	1.0% **	
HMA SP-IV COMPLETE	4.9% **			3966 **	1.0% **	
ASPHALT MATERIAL FOR TACK COAT		0.08 **				240
PRIME COAT MATERIAL			0.45 **			240
BASE COURSE				3650 **		
CEMENT TREATED SUBGRADE 6"				3400 **		
FOG SEAL		0.12 **				240

FOR CONTRACTOR INFORMATION ONLY.

** FOR ESTIMATING PURPOSES ONLY, ACTUAL WEIGHTS OR PERCENT SHALL BE DETERMINED BY APPROVED MIX DESIGN.

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
SURFACING SCHEDULE

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	2-2	6	51

Thu, 16-Apr-2026 - 1:28 pm, Plotted by: ARAMSEY
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CONSTRUCTION ENGINEERING & LUMP SUM ITEMS

ITEM NO.	DESCRIPTION	PROJECT USE
201000	CLEARING AND GRUBBING	LS
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	LS
618000	TRAFFIC CONTROL MANAGEMENT	LS
621000	MOBILIZATION	LS
663049	PRECONSTRUCTION UTILITY SURVEY	LS
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	LS
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	LS
802000	POST CONSTRUCTION PLANS	LS
STS 0001	UTILITY ALLOWANCE	ALLOW

EARTHWORK

STATION	TO	STATION	203000 UNCLASSIFIED EXCAVATION	EMBANKMENT	EXCESS EXCAVATION	203100 BORROW	REMARKS
			C.Y.	C.Y.	C.Y.	C.Y.	
GADSDEN CAMPUS ENTRANCE ROAD							
10+40.00	-	17+61.07	5,986	2,645	3,341	0	TOTAL SITE INC. CHANNEL AND ROADWAYS
		SUBTOTAL	5,986			0	
		PROJECT TOTAL	5,986			0	
		PROJECT USE	**6,000**			**0**	

NOTES:

1. NO SEPARATE PAYMENT WILL BE MADE FOR DOUBLE HANDLING OF EXCESS MATERIAL USED AS EMBANKMENT.
2. A POSITIVE NET VOLUME = MATERIAL AVAILABLE ON SITE FOR EMBANKMENT.
3. A NEGATIVE NET VOLUME = BORROW MATERIAL IS REQUIRED. NEGATIVE NET VOLUME IS DESIGNATED BY PARENTHESIS ( ).

SUMMARY OF REMOVALS

DESCRIPTION	L.F.	EACH	S.Y
ASPHALT PAVEMENT			300
CURB AND GUTTER	158		
CONCRETE SIDEWLAK			68
3 STRAND WIRE FENCE	50		
6' TALL CHAIN LINK FENCE	90		
ADA HAND RAILING	180		

REMOVAL OF STRUCTURES AND OBSTRUCTIONS (LS) — ITEM NO. 601000

STATION	TO	STATION	LOCATION	LENGTH (L.F.)	EACH	AREA (S.Y.)	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD							
10+36.67	-	11+02.44	VARIES			200	ASPHALT PAVEMENT
10+52.52	-	11+02.44	LT.	68.00			CURB AND GUTTER
10+54.46	-	10+76.81	LT.			21	CONCRETE SIDEWALK
12+01.83			VARIES	50.00			3 STRAND WIRE FENCE
17+28.34			VARIES	90.00			6' TALL CHAIN LINK FENCE
17+30.09			VARIES	90.00			ADA HAND RAILING
17+30.09			VARIES			47	CONCRETE SIDEWALK
17+34.31			VARIES	90.00			ADA HAND RAILING
17+34.31			VARIES	90.00			CURB AND GUTTER
17+34.75	-	17+44.75	VARIES			100	ASPHALT PAVEMENT

NOTES:

1. FOR CONTRACTOR USE ONLY.
2. LENGTH MAY NOT MATCH STATIONING DUE TO CURVES AND TAPERS.

STRUCTURE QUANTITIES — ITEM NO. 623XXX

STATION	TO	STATION	LOCATION	OFFSET	EACH	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD						
10+69.11			RT.	17.33'	1.00	623331 - CURB DROP INLET TYPE I-B, OVER 4'
11+86.01			LT.	17.33'	1.00	623514 - TRANSVERSE DROP INLET TYPE IV, OVER 8'
11+86.01			LT.	31.00'	1.00	623051 - MODIFIED MEDIAN DROP INLET TYPE I (VALLEY/RURAL) H=6'1" TO 9 '0"
				PROJECT TOTAL	3.00	
				PROJECT USE	**3**	

NOTES:

1. LENGTH MAY NOT MATCH STATIONING DUE TO CURVES AND TAPERS.

24" CULVERT PIPE — ITEM NO. 570024

STATION	TO	STATION	LOCATION	OFFSET	L.F.	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD						
10+64.50			LT. & RT.	VARIES	87.00	
11+55.36	-	11+86.00	LT.	VARIES	51.00	
				PROJECT TOTAL	138.00	
				PROJECT USE	**140**	

NOTES:

1. LENGTH MAY NOT MATCH STATIONING DUE TO CURVES AND TAPERS.

24" CULVERT PIPE END SECTION — ITEM NO. 570025

STATION	TO	STATION	LOCATION	OFFSET	EACH	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD						
10+64.50			LT.	38.62'	1.00	ADDITIVE ALTERNATIVE
10+64.90			RT.	47.57'	1.00	ADDITIVE ALTERNATIVE
11+55.36			LT.	51.69	1.00	ADDITIVE ALTERNATIVE
				PROJECT TOTAL	3.00	
				PROJECT USE	**3**	

NOTES:

1. LENGTH MAY NOT MATCH STATIONING DUE TO CURVES AND TAPERS.

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

DESIGN

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
MISCELLANEOUS QUANTITIES

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	2-3	7	51

Thu, 16-Apr-2026 - 1:28:pm, Plotted by: ARAMSEY
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CONCRETE VALLEY GUTTER 6" X 28"

ITEM NO. 609628

ALIGNMENT	STATION	TO	STATION	LOCATION	LENGTH (L.F.)	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD	16+65.58	-	17+32.59	RT.	67.01	TURNAROUND
				PROJECT TOTAL	67.01	
				PROJECT USE	**70**	

NOTES:

1. LENGTH MAY NOT REFERENCE STATIONING DUE TO CURVES.
2. MEASUREMENT FOR PAYEMENT IS TAKEN ALONG THE FLOWLINE(S) OF THE GUTTER

CONCRETE VALLEY GUTTER 6" X 72"

ITEM NO. 609650

ALIGNMENT	STATION	TO	STATION	LOCATION	LENGTH (L.F.)	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD	10+40.02	-	10+46.02	VARIES	83.00	FRONTAGE ROAD INTERSECTION
GADSDEN CAMPUS ENTRANCE ROAD	17+59.09	-	17+59.12	VARIES	69.00	PARKING LOT INTERSECTION
				PROJECT TOTAL	152.00	
				PROJECT USE	**160**	

NOTES:

1. LENGTH MAY NOT REFERENCE STATIONING DUE TO CURVES.
2. MEASUREMENT FOR PAYEMENT IS TAKEN ALONG THE FLOWLINE(S) OF THE GUTTER

CONCRETE VERTICAL CURB AND GUTTER TYPE B 6" X 24"

ITEM NO. 609424

STATION	TO	STATION	LOCATION	LENGTH (L.F.)	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD					
10+42.87	-	17+57.98	RT.	792.00	BUILD NEW VERTICAL CURB AND GUTTER
10+41.94	-	10+99.02	LT.	79.00	BUILD NEW VERTICAL CURB AND GUTTER
11+30.02	-	17+58.87	LT.	640.00	BUILD NEW VERTICAL CURB AND GUTTER
			PROJECT TOTAL	1511.00	
			PROJECT USE	**1520**	

NOTES:

1. LENGTH MAY NOT REFERENCE STATIONING DUE TO CURVES.

CONCRETE SIDEWALK 4"

ITEM NO. 608004

STATION	TO	STATION	LOCATION	LENGTH (L.F.)	WIDTH (L.F.)	AREA (S.Y.)	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD							
10+42.61	-	10+99.02	LT.	56.41	5	43.00	
10+43.54	-	10+66.05	RT.	22.51	5	27.00	
11+30.02	-	17+57.87	LT.	627.85	5	351.00	
17+37.94	-	17+57.34	RT.	70.00	13	30.00	INCLUDE FENCE CONCRETE
					PROJECT TOTAL	451.00	
					PROJECT USE	**460**	

DRIVEPAD 6"

ITEM NO. 608106

DP NO.	STATION	TO	STATION	LOCATION	AREA (S.Y.)	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD						
DP-1	10+99.02	-	11+30.02	LT.	35.39	
				PROJECT TOTAL	35.39	
				PROJECT USE	**40**	

CHAIN LINK FENCE 6'

ITEM NO. 607026

STATION	TO	STATION	LOCATION	OFFSET	L.F.	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD						
17+37.34			LT.	VARIES	25.00	ACCESS CONTROL FENCE (TIE TO EXIST. FENCE)
17+37.40	-	17+51.93	RT.	VARIES	65.00	ACCESS CONTROL FENCE (TIE TO EXIST. FENCE)
				PROJECT TOTAL	90.00	
				PROJECT USE	**90**	

NOTES:

1. LENGTH MAY NOT MATCH STATIONING DUE TO CURVES AND TAPERS.

RIPRAP CLASS G

ITEM NO. 602060

STATION	TO	STATION	LOCATION	AREA (S.Y.)	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD					
10+51.00	-	10+79.00	LT	105.00	CULVERT INVERT PROTECTION
10+48.70	-	10+79.50	RT	90.00	CULVERT OUTLET PROTECTION
10+82.00	-	11+90.00	LT	925.00	POND
10+48.70	-	17+42.00	LT	1,100.00	TIE SLOPES, POND, SWALES
			PROJECT TOTAL (BASE BID)	2,220.00	
			PROJECT USE (BASE BID)	**2,220**	
10+48.70	-	17+42.00	RT	183.00	TIE SLOPES
10+48.70	-	17+42.00	LT	370.00	TIE SLOPES
			PROJECT TOTAL (ADDITIVE ALTERNATE)	553.00	
			PROJECT USE (ADDITIVE ALTERNATE)	**555**	

1. ADD SPECIAL NOTES HERE IF NEEDED...

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

DESIGN

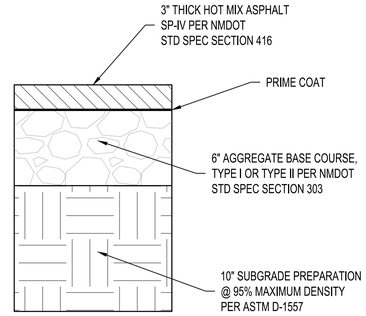
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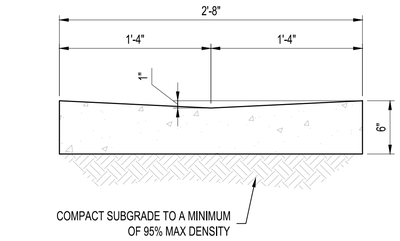
NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
MISCELLANEOUS QUANTITIES

BHI PROJECT NO. 20260232 | DWG NO. 2-4 | SHEET 8 OF 51

Thu, 16-Apr-2026 - 1:28:pm, Plotted by: ARAMSEY
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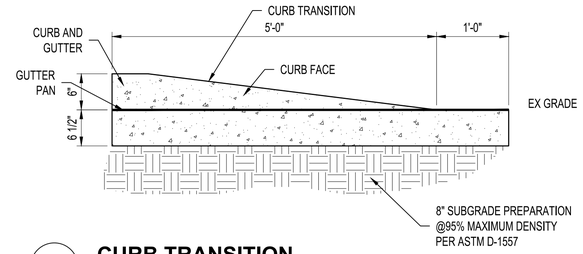


1 ROAD ASPHALT PAVEMENT SECTION
NTS

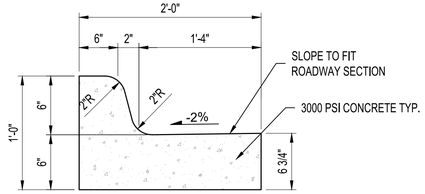


NOTE: CONCRETE FOR ALL VALLEY GUTTERS WILL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI IN 24 HOURS

2 CONCRETE VALLEY GUTTER
NTS

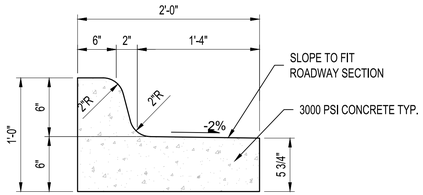


3 CURB TRANSITION
NTS



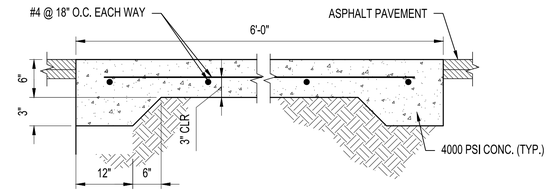
NOTE:
- CLASS A OR F CONCRETE, 3000 PSI AS PER NMDOT SPECIFICATIONS SECTION 609
- 6" MINIMUM SUBGRADE PREPARATION @ 95% MAXIMUM DENSITY PER ASTM D-1557. PROVIDE BEDDING MATERIAL BETWEEN CURB & GUTTER AND SUBGRADE PREPARATION AS PER NMDOT SECTION 609. SUBGRADE PREPARATION AND BEDDING MATERIAL ARE INCIDENTAL TO CURB & GUTTER PLACEMENT.

4 CURB & GUTTER 2% PAN IN
SCALE: NOT TO SCALE

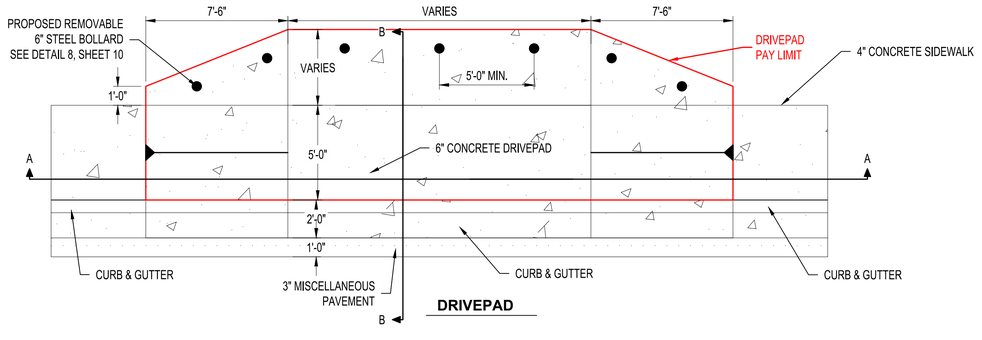


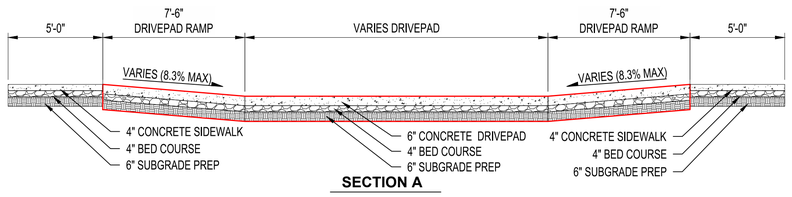
NOTE:
- CLASS A OR F CONCRETE, 3000 PSI AS PER NMDOT SPECIFICATIONS SECTION 609
- 6" MINIMUM SUBGRADE PREPARATION @ 95% MAXIMUM DENSITY PER ASTM D-1557. PROVIDE BEDDING MATERIAL BETWEEN CURB & GUTTER AND SUBGRADE PREPARATION AS PER NMDOT SECTION 609. SUBGRADE PREPARATION AND BEDDING MATERIAL ARE INCIDENTAL TO CURB & GUTTER PLACEMENT.

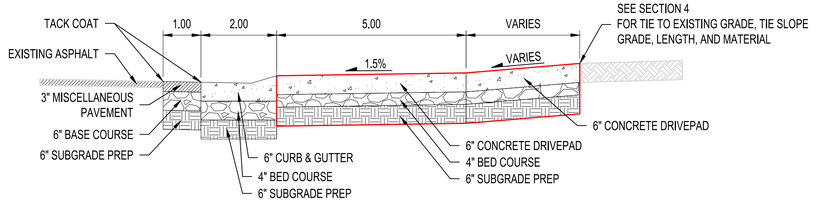
5 CURB & GUTTER 2% PAN OUT
SCALE: NOT TO SCALE



6 CONCRETE CROSSWALK
SCALE: NOT TO SCALE







7 DRIVEPAD DETAIL
NOTE: TACK COAT IS CONSIDERED INCIDENTAL TO THE CONTRACT.
NO ADDITIONAL PAYMENT WILL BE MADE.

NTS

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

REVISIONS

NO.	DATE

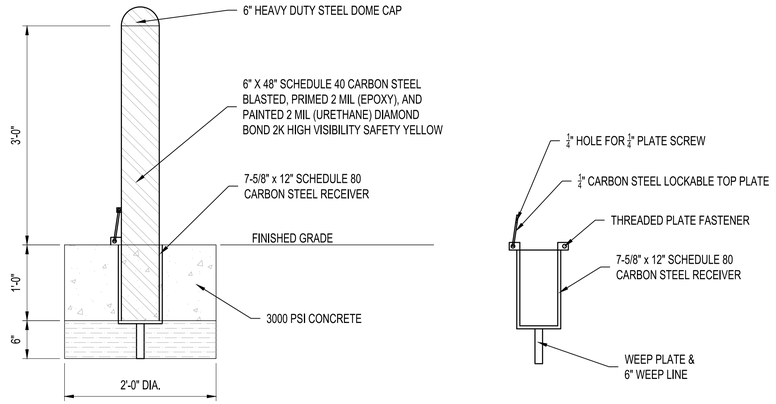
DESIGN — DESIGNED BY | CHECKED BY | DRAWN BY

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
MISCELLANEOUS DETAILS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	2-5	9	51

Thu, 16-Apr-2026 - 1:28 pm, Plotted by: ARAMSEY
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8 REMOVABLE HEAVY DUTY 6" X 36" STEEL BOLLARD

SCALE: NOT TO SCALE

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

DESIGN

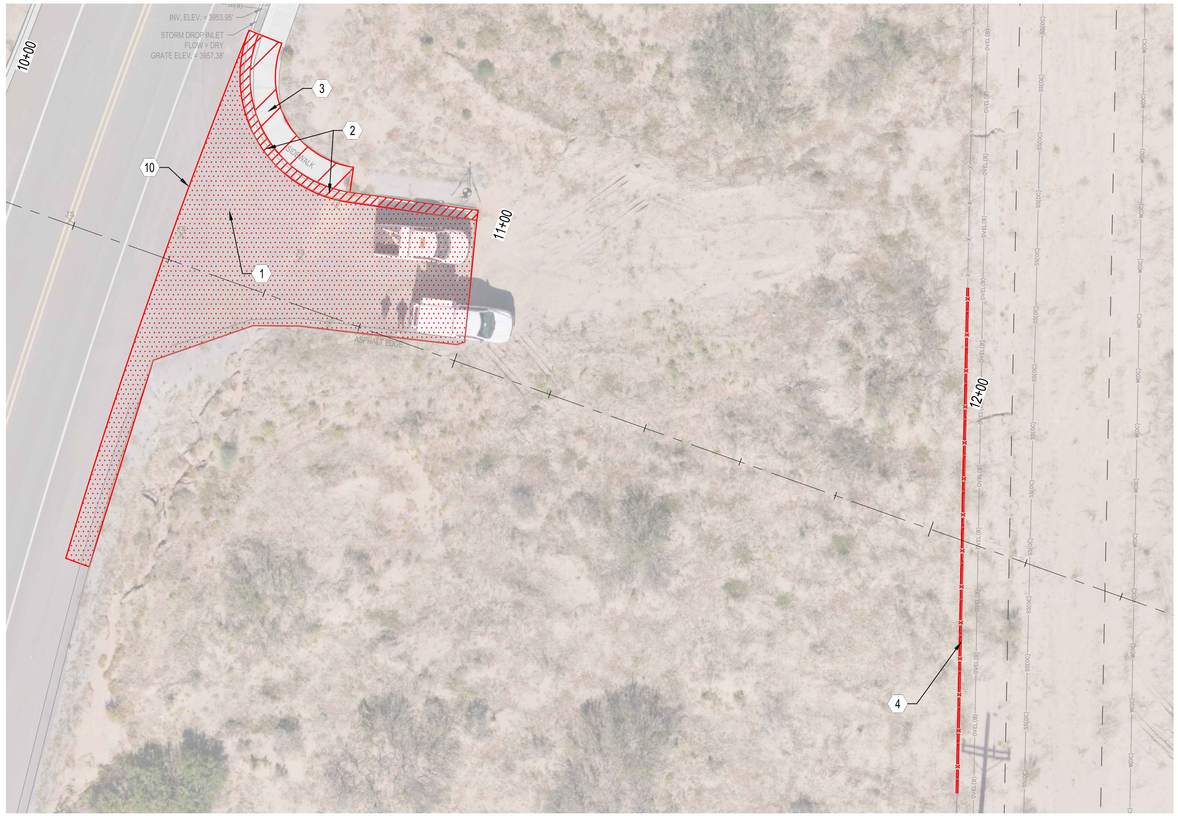
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GADSDEN CAMPUS ENTRANCE ROAD
MISCELLANEOUS DETAILS

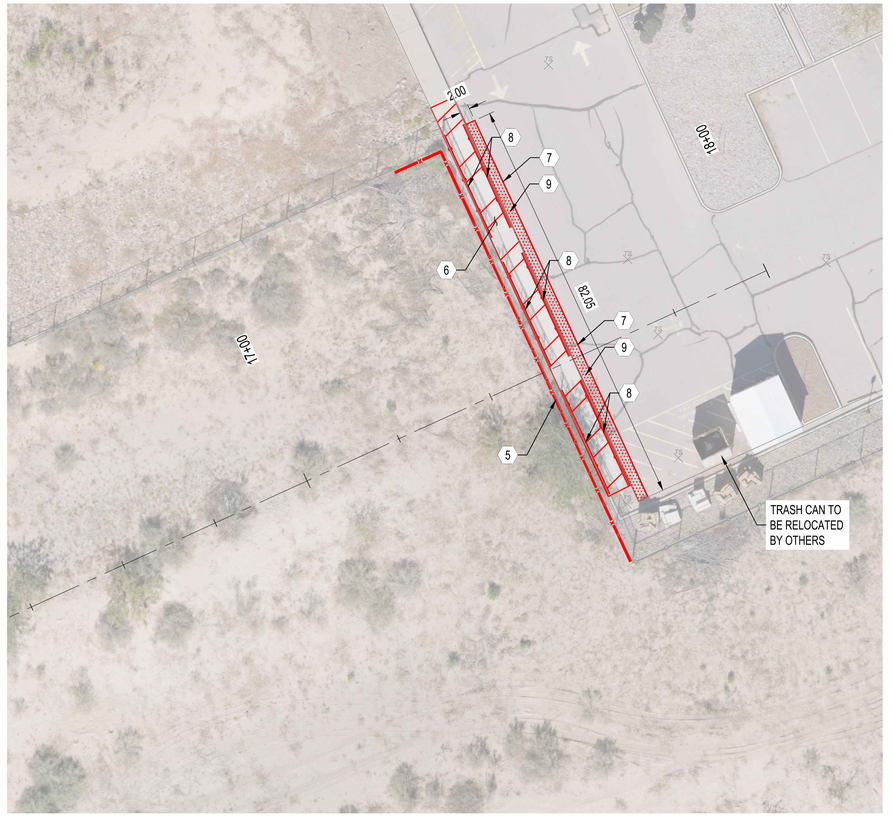
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Thu, 16-Apr-2026 - 1:28 pm, Plotted by: ARAMSEY
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DEMOLITION PLAN

HORIZONTAL SCALE: 1" = 15'



DEMOLITION PLAN

HORIZONTAL SCALE: 1" = 15'

GENERAL NOTES:

1. ALL STATIONING REFERS TO THE CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MONITORING COVER, AND MAINTAINING SERVICE ON ALL EXISTING BURIED UTILITIES, POWERPOLES, PEDESTALS, AND GUY WIRES THROUGHOUT THE DURATION OF THE PROJECT. AND DAMAGE OCCURING DURING EARTHWORK AND EXCAVATING SHALL BE REPLACE IN-KIND AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL NEAT LINE SAW CUT EXISTING PAVEMENT AND CURB & GUTTER AT THE DEMOLITION LIMITS. SAW CUTS ARE INCIDENTAL TO THE REMOVAL OF STRUCTURES AND OBSTRUCTIONS BID ITEM NO. 601000.

LEGEND

- EXISTING CURB & GUTTER REMOVAL
- EXISTING CONCRETE SIDEWALK / DRIVEPAD REMOVAL
- EXISTING PAVEMENT REMOVAL

XX CONSTRUCTION KEY NOTES:

1. REMOVE AND DISPOSE OF 260 SQ. YD. OF EXISTING ASPHALT PAVEMENT.
2. REMOVE AND DISPOSE OF 68 LF OF EXISTING CURB AND GUTTER.
3. REMOVE AND DISPOSE OF 21 SQ. YD. OF EXISTING CONCRETE SIDEWALK.
4. REMOVE AND DISPOSE OF 100 LF OF EXISTING 3 STRAND WIRE FENCE.
5. REMOVE AND STRAND OF 90 LF OF EXISTING 6' TALL CHAIN LINK FENCE.
6. REMOVE AND DISPOSE OF 47 SQ. YD. OF EXISTING RAISED CONCRETE SIDEWALK.
7. SAW CUT NEAT LINE.
8. REMOVE AND DISPOSED OF APPROXIMATELY 138 LF OF EXISTING ADA HAND RAILING.
9. REMOVE AND DISPOSE OF 20 SQ. YD. OF EXISTING ASPHALT PAVEMENT. CONTRACTOR TO LEAVE ASPHALT DURING CONSTRUCTION ACTIVITIES. ANY EXTRA ASPHALT REMOVED BEYOND SAW CUT WILL BE REPLACED IN KIND.

N

15 7.5 0 15

1"=15'

HORIZONTAL SCALE: 1" = 15'

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

REVISIONS

NO.	DATE

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
DEMOLITION PLAN

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	2-7	10	51

Thu, 16-Apr-2026 - 1:28 pm, Plotted by: ARAMSEY
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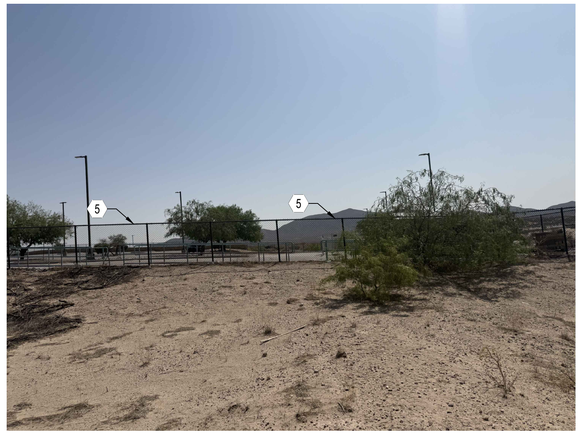


PHOTO NO. 2



PHOTO NO. 3

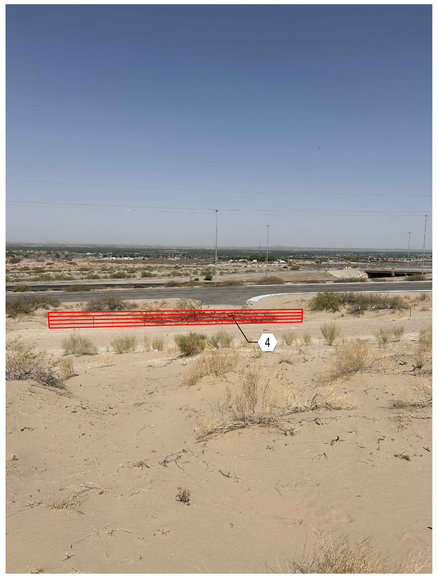


PHOTO NO. 4

XX CONSTRUCTION KEY NOTES:

1. REMOVE AND DISPOSE OF 260 SQ. YD. OF EXISTING ASPHALT PAVEMENT.
2. REMOVE AND DISPOSE OF 68 LF OF EXISTING CURB AND GUTTER.
3. REMOVE AND DISPOSE OF 21 SQ. YD. OF EXISTING CONCRETE SIDEWALK.
4. REMOVE AND DISPOSE OF 100 LF OF EXISTING 3 STRAND WIRE FENCE.
5. REMOVE AND STRAND OF 90 LF OF EXISTING 6' TALL CHAIN LINK FENCE.
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7. SAW CUT NEAT LINE.
8. REMOVE AND DISPOSED OF APPROXIMATELY 138 LF OF EXISTING ADA HAND RAILING.
9. REMOVE AND DISPOSE OF 20 SQ. YD. OF EXISTING ASPHALT PAVEMENT. CONTRACTOR TO LEAVE ASPHALT DURING CONSTRUCTION ACTIVITIES. ANY EXTRA ASPHALT REMOVED BEYOND SAW CUT WILL BE REPLACED IN KIND.

LEGEND

- EXISTING CURB & GUTTER REMOVAL
- EXISTING CONCRETE SIDEWALK / DRIVEPAD REMOVAL
- EXISTING PAVEMENT REMOVAL

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ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

REVISIONS

NO.	DATE

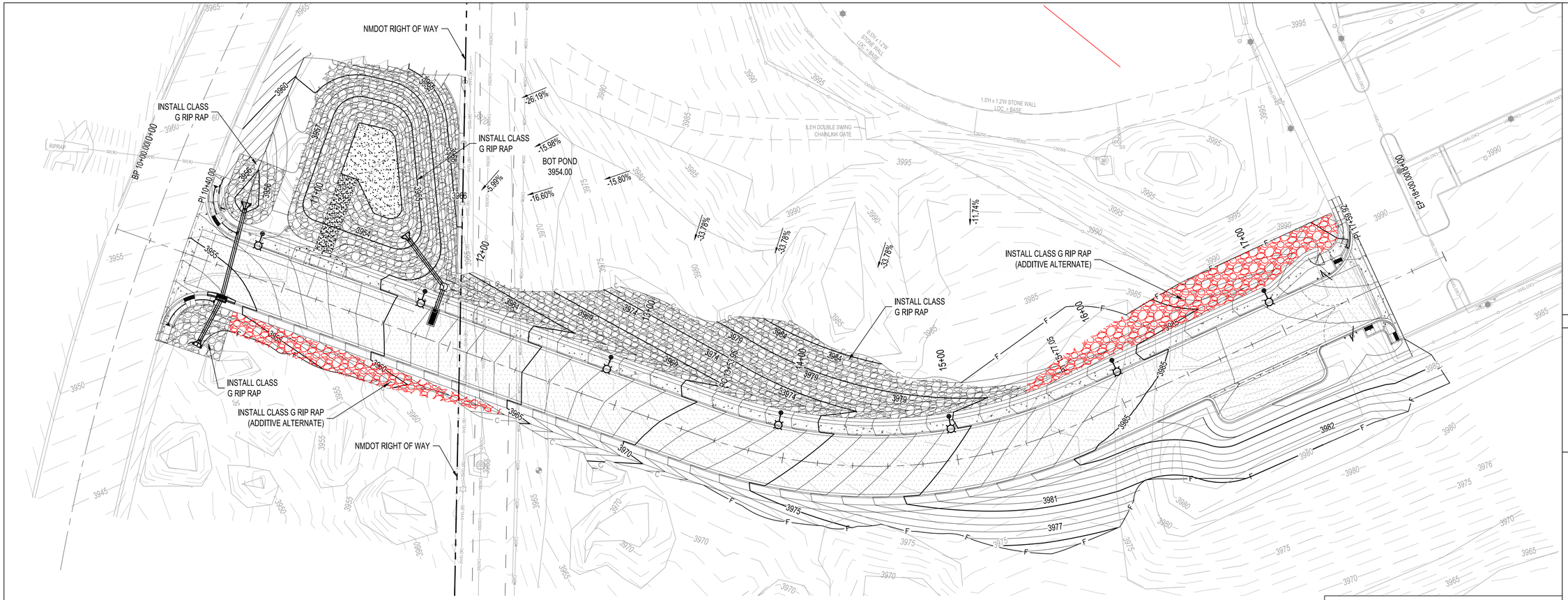
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GADSDEN CAMPUS ENTRANCE ROAD
DEMOLITION PLAN

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	2-8	11	51

Thu, 16-Apr-2026 - 1:28 pm, Plotted by: ARAMSEY
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1 EROSION AND SEDIMENT CONTROL PLAN

SCALE:1" = 30' HORIZONTAL

GENERAL NOTES:

1. FOR PERMANENT DRAINAGE PLANS SEE SERIES 10.
2. CUT AND FILL LIMITS DEFINE AREA OF DISTURBANCE.
3. SEE ESTIMATED EROSION CONTROL QUANTITIES SERIES 2 FOR MATERIAL, QUANTITIES, AND BID ITEM NUMBER.
4. SEE SERIES 2 FOR TYPICAL ROADWAY SECTIONS INCLUDING ROADSIDE DITCH CONFIGURATION, UNLESS OTHERWISE NOTED IN PLAN.

LEGEND

- INLET PROTECTION
- CLASS G RIPRAP
- CLASS G RIPRAP (ADDITIVE ALTERNATIVE)
- F — FILL SLOPE LIMITS
- C — CUT SLOPE LIMITS

N

30 15 0 30

1"=30'

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

DESIGN

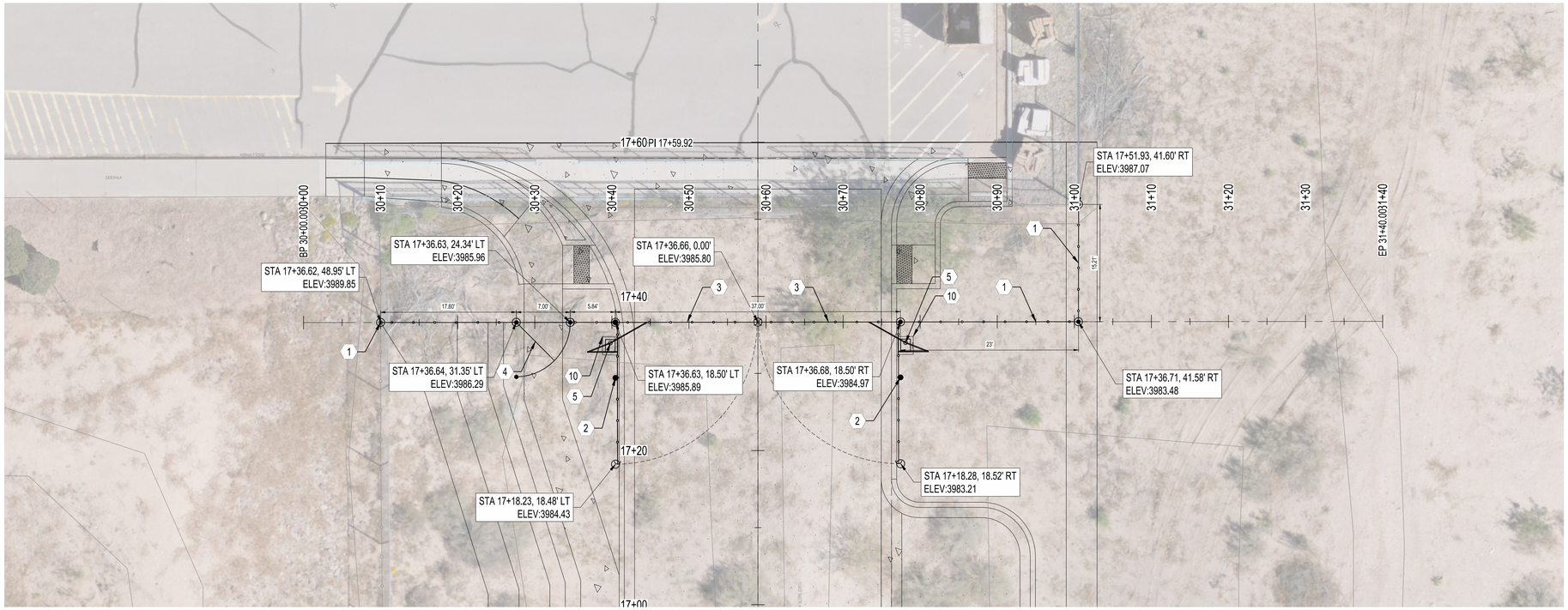
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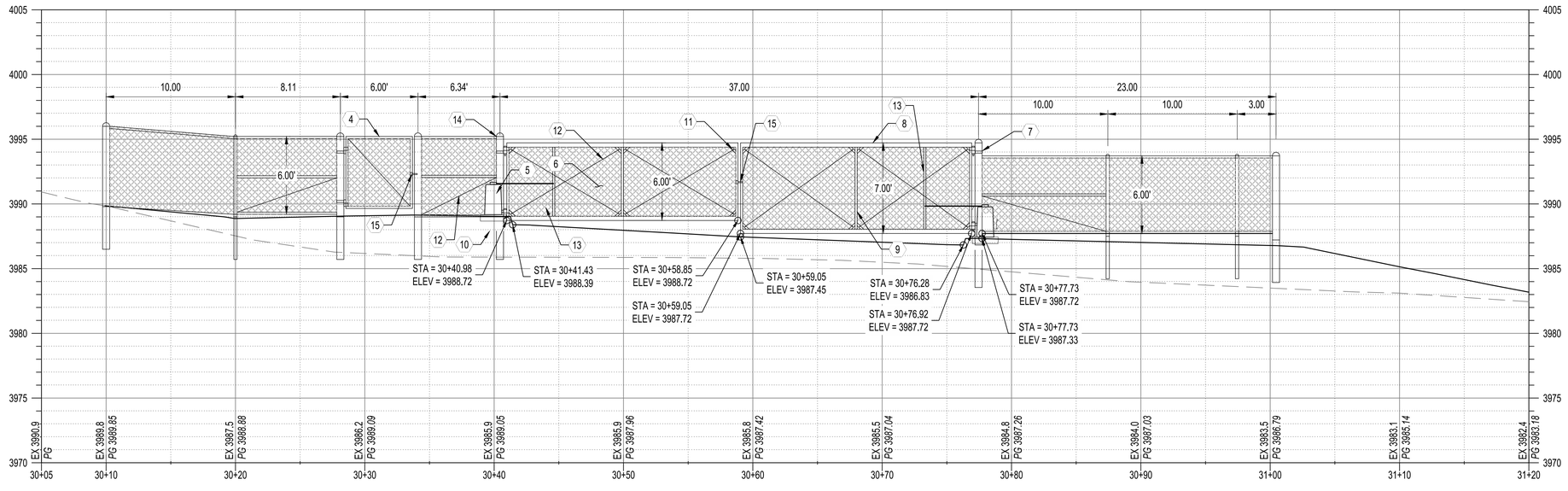
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GADSDEN CAMPUS ENTRANCE ROAD
EROSION AND SEDIMENT CONTROL PLAN

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	2-9	12	51

Thu, 16-Apr-2026 - 1:28:pm, Plotted by: ARAMSEY
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1 ACCESS RD FENCE GATE PLAN VIEW
SCALE:1" = 5' HORIZONTAL



1 ACCESS RD FENCE GATE PROFILE VIEW
SCALE:1" = 5' VERTICAL

XX CONSTRUCTION KEY NOTES

1. INSTALL 6' TALL STANDARD CHAIN LINK FENCE, PER NMDOT DETAIL 607- 04- 1/1 & 607- 08 (SEE SERIES 12).
2. INSTALL 6" CONCRETE BOLLARS, SEE SECTION 2 FOR DETAILS
3. INSTALL (2) LEAF SWING GATES, AS PER PROFILE, THIS DRAWING.
4. INSTALL SINGLE WALK GATE, 6FT. TALL WITH OFF-SET 180 DEGREE HINGES AS PER SHEET C-XXX.
5. INSTALL GATE AUTOMATIC OPENER, SEE SECTION 8 FOR ELECTRICAL LAYOUT.
6. CHAIN LINK FABRIC, TYP.
7. 6"X2" BOLT-ON 180 DEGREE HINGE, TYP.
8. 2"X4"X3/16" HSS STEEL TUBE HORIZONTAL GATE FRAMING WELDED TO VERTICAL MEMBERS, TYP.
9. 2"X2"X3/16" HSS STEEL TUBE VERTICAL GATE FRAMING WELDED TO HORIZONTAL MEMBERS, TYP.
10. 2'-0"x3'-0"x6" CONCRETE PAD WITH #4 AT 6" ON CENTER EACH WAY, 3" CLEAR COVER BOTTOM. VERIFY PLAN DIMENSIONS WITH OPENER MANUFACTURER.
11. 3/16" STEEL GUSSET WELDED TO FRAME.
12. 3/16" DIAMETER CABLE TRUSSING WITH TURNBUCKLE, TYP.
13. 2"X2"X3/16" HSS STEEL TUBE VERTICAL FRAMING FOR AUTOMATIC GATE ARM ATTACHMENT. VERIFY HORIZONTAL LOCATION WITH GATE OPENER MANUFACTURER.
14. 6" DIAMETER GATE POST, TYP.
15. GATE LATCH.

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

N

5 10 0 5
1" = 5'

HORIZONTAL SCALE: 1" = 5'

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NO.	DATE

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
GATE SECTION VIEW

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	2-10	13	51

Thu, 16-Apr-2026 - 1:28 pm, Plotted by: ARAMSEY
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Bohannan Huston

Introduction:

The control points listed herein were established during a design survey for the NMSU 5426 Gadsden Campus Entrance Road Project. This control report contains a description of each control point set for this project, as well as the coordinate system parameters. This control is intended to be used for construction staking.

Project Control Process Flowchart:

See attachment

Project Control Specifications:

Units:	US Survey Foot
Horizontal Datum:	NAD_83(2011)(EPOCH:2010.0000)
Vertical Datum:	NAVD88
Geoid Model:	GEOID18
Projection:	Transverse Mercator
State Plane and/or UTM Zone:	New Mexico Central Zone (3002)
Basis of Bearing:	Grid Bearings
Project Combined Factor:	0.99971553894
Modification Method Used:	Scaled State Plane coordinates about origin (0,0) no truncation
Field Methodology:	Trimble RTX Post-Processing & RTK Solution
Equipment Used:	Trimble GPS Equipment (R10-2 and R12i Dual Frequency Receivers)
Control Set Date:	September 29, 2025
Observation (Check):	September 29, 2025
Adjustment/ Publication Date:	October 9, 2025

I, Dean Christmas, New Mexico Professional Surveyor No. 23788, do hereby certify that this Control Survey Report was prepared by me or under my direct supervision based on an actual survey on the ground as described herein; that I am responsible for this survey; and that the survey and report meets the minimum standards for surveying in New Mexico as defined by NMAC 12.8.2.7.B(9) – Control Surveying.

October 9, 2025
Date

Dean Christmas, PS
For and on Behalf of
Bohannan Huston, Inc.
Courtyard I / 7500 Jefferson St. NE
Albuquerque, NM 87109-4335
(505).823.1000

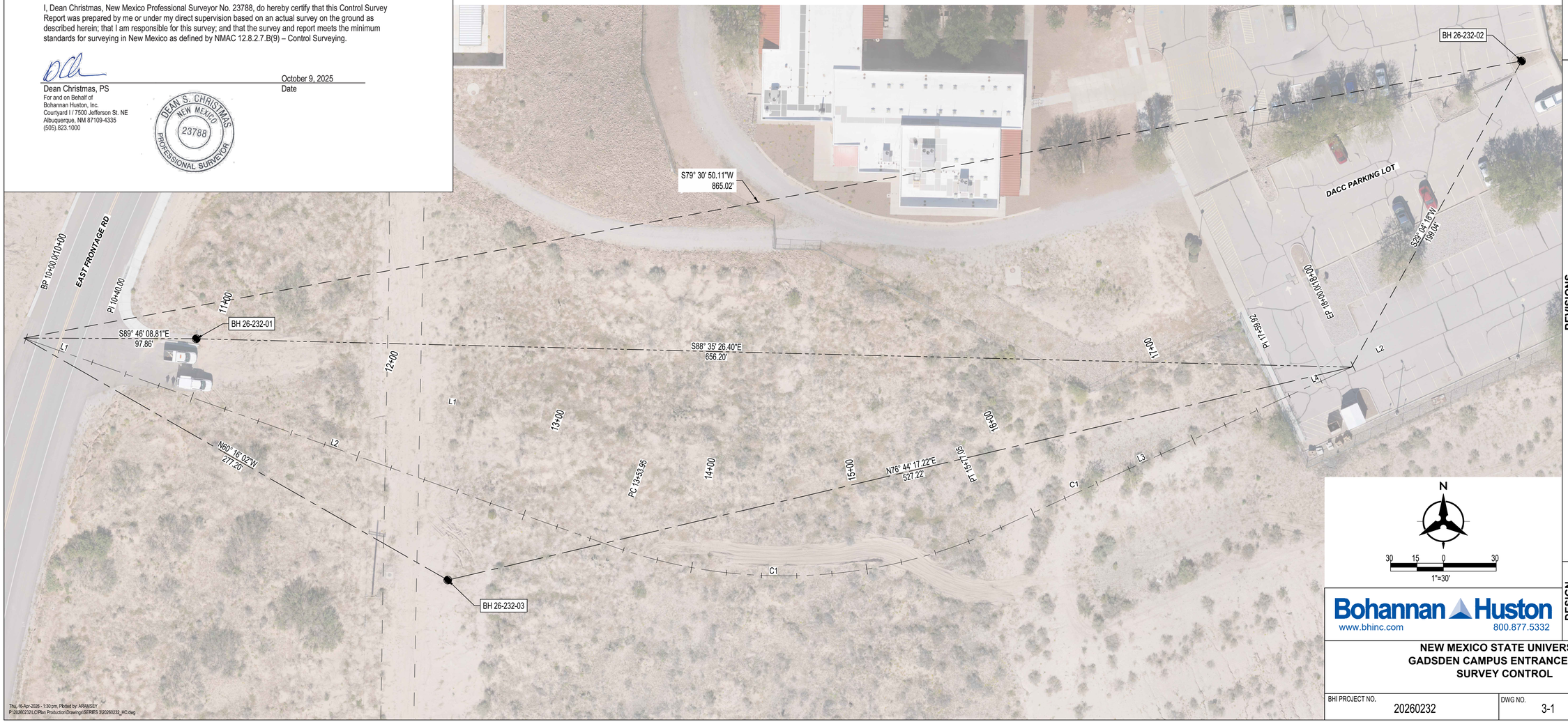
DEAN S. CHRISTMAS NEW MEXICO 23788 PROFESSIONAL SURVEYOR

LINE & CURVE TABLE

NUMBER	P.I. STATION	DELTA	RADIUS	LENGTH	LINE/CHORD DIRECTION
L1				40.000'	S 70° 30' 25.25" E
L2				315.090'	S 70° 30' 25.25" E
C1	14+72.49	44.00°	290.000'	223.107'	N 87° 27' 11.33" E
L3				182.870'	N 65° 24' 47.90" E
L4				38.933'	N 65° 24' 47.90" E

PROJECT CONTROL DATA

POINT #	NORTHING	EASTING	ELEVATION	ELEVATION
BH 26-232-01	372,446.872	1,536,698.950	3,956.565	——— - - - ———
BH 26-232-02	372,604.698	1,537,451.665	3,995.726	- - - - - - - -
BH 26-232-03	372,309.789	1,536,841.794	3,966.282	——— – ———



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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
SURVEY CONTROL

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	3-1	14	51

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

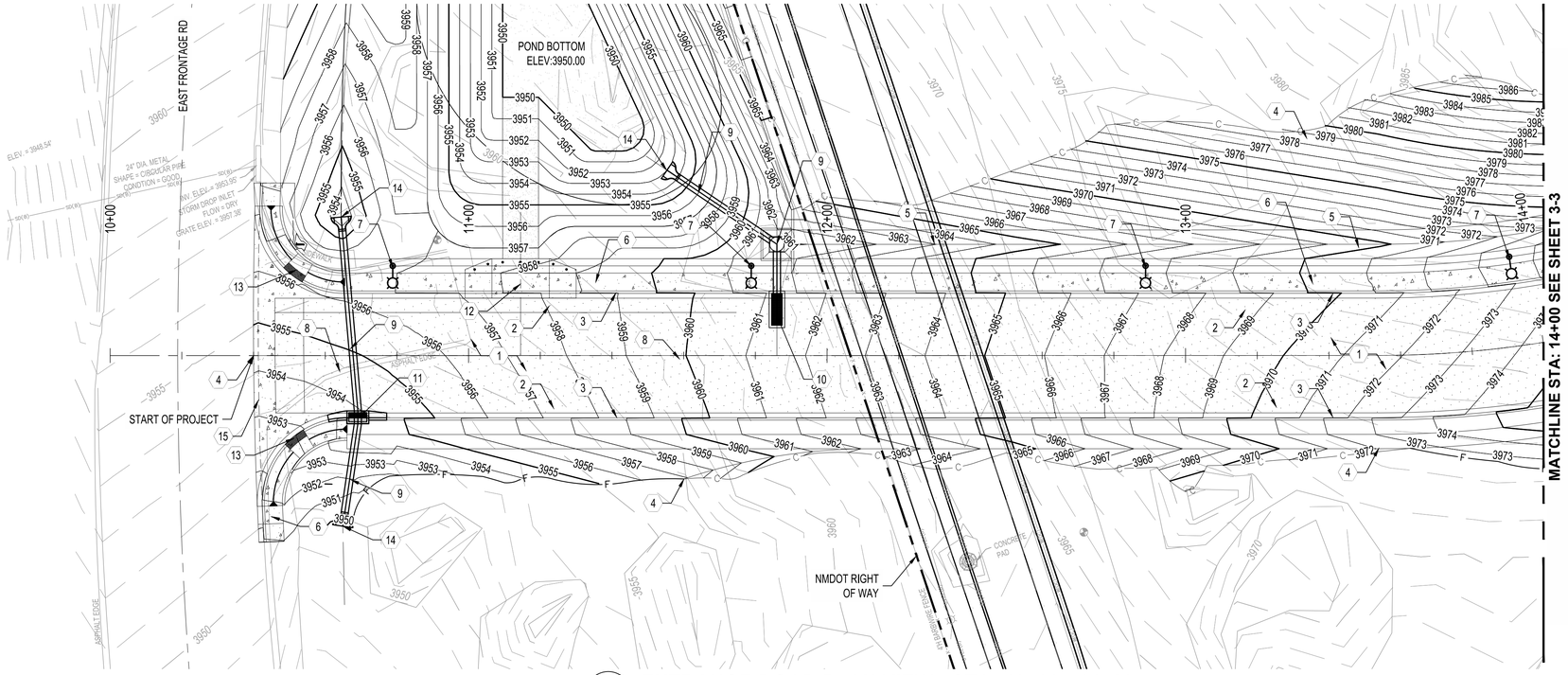
REVISIONS

NO.	DATE

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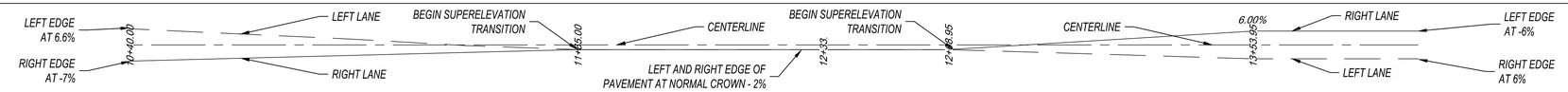
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CHECKED BY
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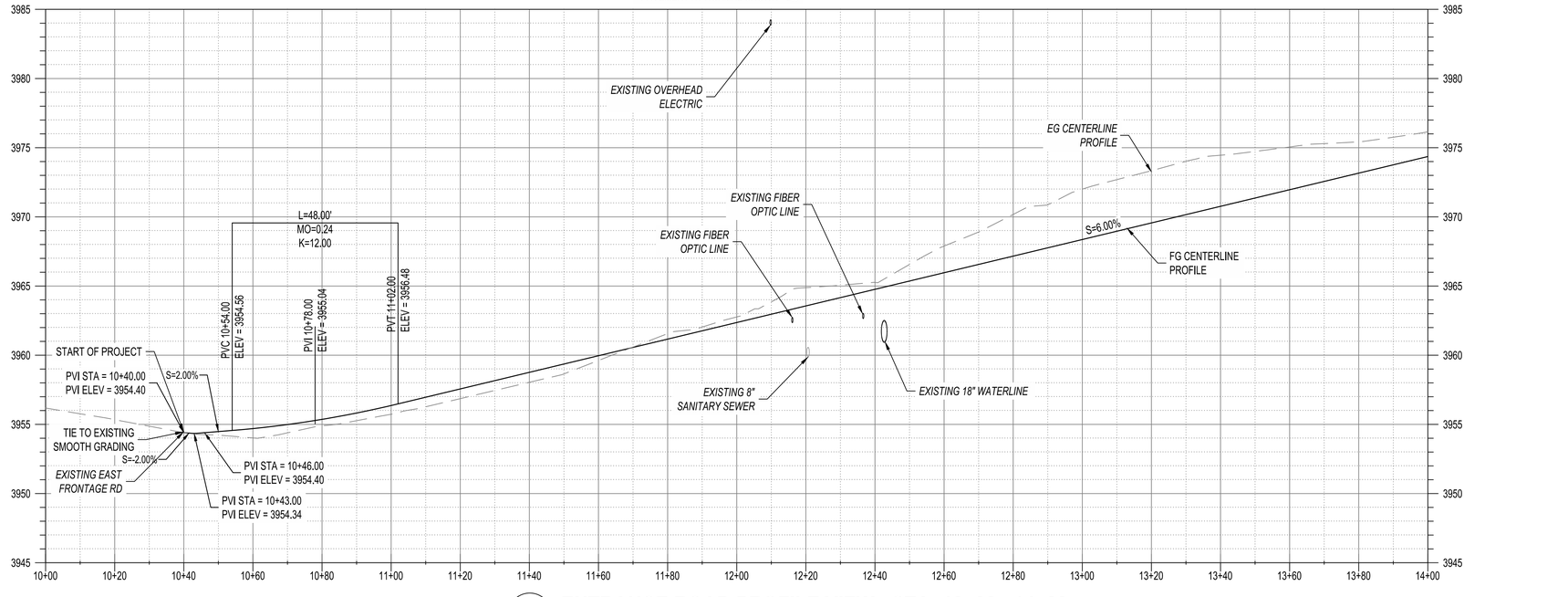
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1 ENTRANCE ROAD PLAN VIEW - STA: 10+00 - 14+00

SCALE:1" = 20' HORIZONTAL





1 ENTRANCE ROAD PROFILE VIEW - STA: 10+00 - 14+00

SCALE:1" = 20' HORIZONTAL SCALE: 1" = 5' VERTICAL

XX CONSTRUCTION KEY NOTES

1. BUILD ROADWAY SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
2. BUILD 4' WIDE SHOULDER, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
3. BUILD 6" X 24" TYPE B CURB AND GUTTER.
4. MATCH EXISTING GRADE.
5. BUILD 8' WIDE SWALE, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
6. BUILD 5' WIDE SIDEWALK, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
7. INSTALL LIGHT FIXTURES, SEE SECTION 8 FOR NOTES & DETAILS.
8. INSTALL 24" DIAMETER CMP CULVERT, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
9. INSTALL (1) CURB DROP INLET TYPE I - B. SEE NMDOT STANDARD DRAWING 623-14-1/3, 623-14-2/3, & 623-14-3/3.
10. INSTALL (1) TRANSVERSE DROP INLET TYPE IV. SEE NMDOT STANDARD DRAWING 623-10-1/5, 623-10-2/5, 623-10-3/5, 623-10-4/5, & 623-10-5/5.
11. INSTALL (1) MODIFIED MEDIAN DROP INLET, TYPE I (VALLEY/ RURAL). SEE NMDOT STANDARD DRAWING 623-04-1/1.
12. INSTALL 16' DRIVEPAD ENTRANCE TO POND PER NMDOT SECTION 608 (SEE SERIES 12) AND MISCELLANEOUS DETAILS (SEE SHEET 2-5, & 2-6).
13. INSTALL ADA CURB RAMP WITH DETECTABLE WARNING SURFACE PER NMDOT SECTION 608 (SEE SERIES 12) AND INTERSECTION DRAWINGS (SEE SHEET 3-5 - 3-6).
14. INSTALL 24" DIAMETER CMP CULVERT END SECTIONS, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
15. INSTALL 6' PAVING CONCRETE VALLEY GUTTER. SEE SECTION 12, NM APWA DETAIL, DWG. 2420.

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

N

20 10 0 20
1"=20'

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

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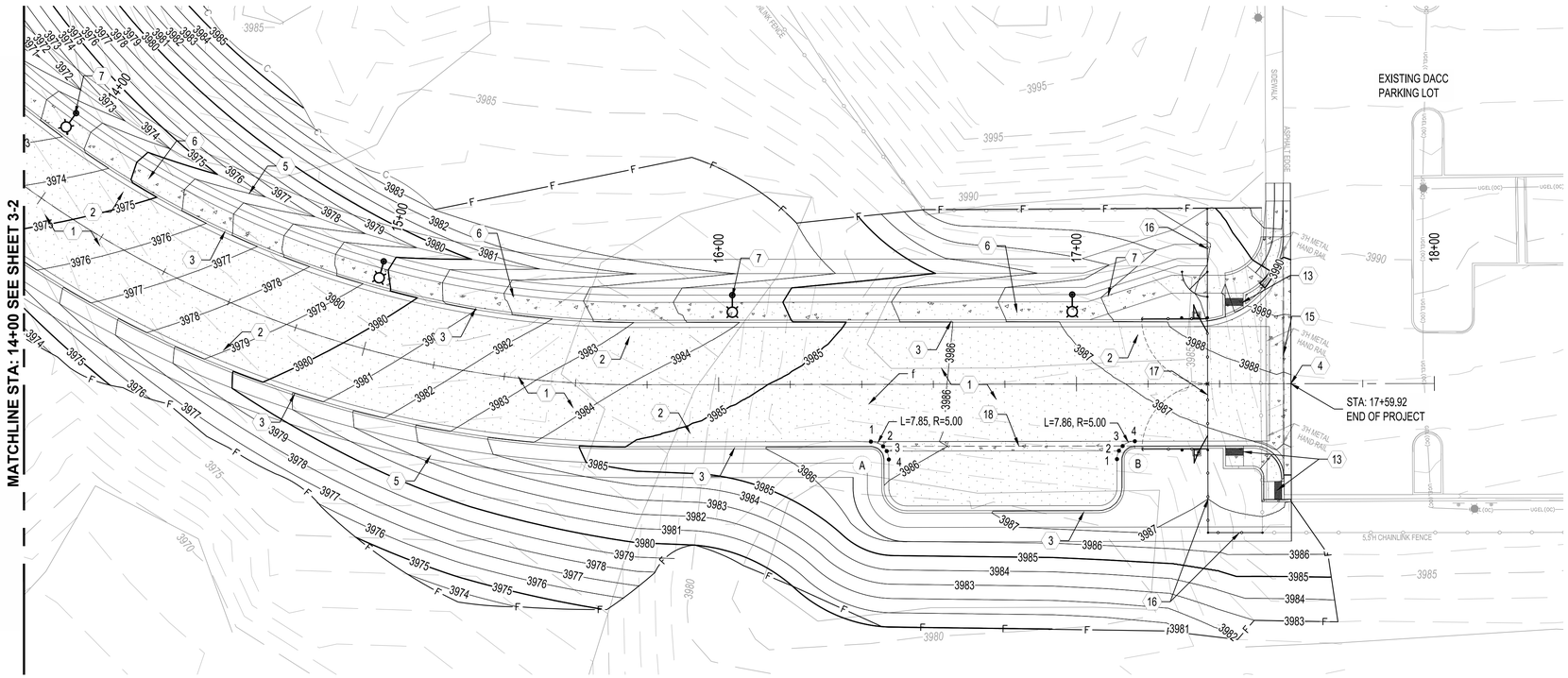
NO.	DATE

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GADSDEN CAMPUS ENTRANCE ROAD
ROADWAY PLAN & PROFILE

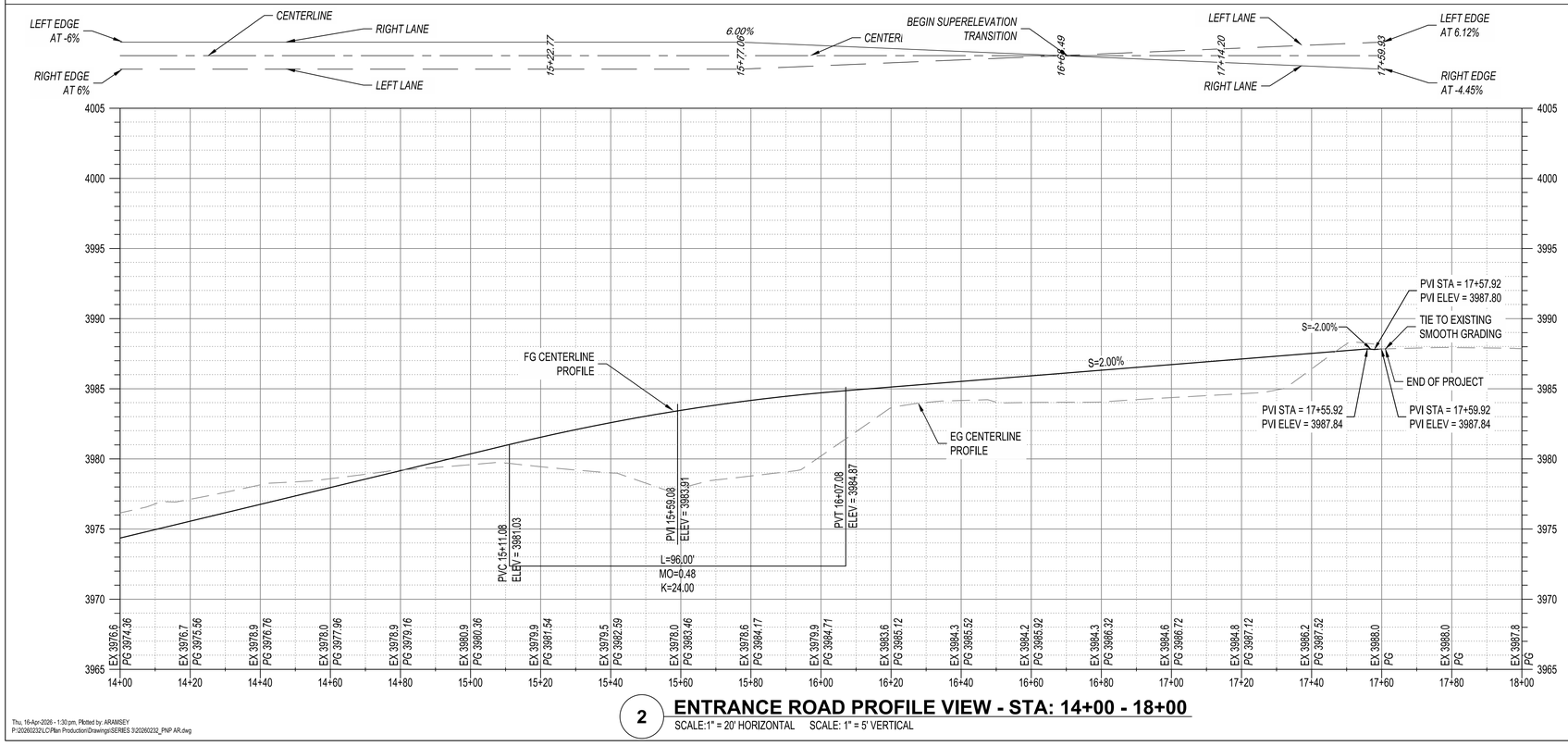
BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	3-2	15	51

Thu, 16-Apr-2026 - 1:30 pm, Plotted by: ARAMSEY
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2 ENTRANCE ROAD PLAN VIEW - STA: 14+00 - 18+00

SCALE:1" = 20' HORIZONTAL



2 ENTRANCE ROAD PROFILE VIEW - STA: 14+00 - 18+00

SCALE:1" = 20' HORIZONTAL SCALE: 1" = 5' VERTICAL

Thu, 16-Apr-2026 - 1:30:pm, Plotted by: ARAMSEY
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XX CONSTRUCTION KEY NOTES

1. BUILD ROADWAY SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
2. BUILD 4' WIDE SHOULDER, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
3. BUILD 6" X 24" TYPE B CURB AND GUTTER.
4. MATCH EXISTING GRADE.
5. BUILD 8' WIDE SWALE, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
6. BUILD 5' WIDE SIDEWALK, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
7. INSTALL LIGHT FIXTURES, SEE SECTION 8 FOR NOTES & DETAILS.
8. INSTALL 24" DIAMETER CMP CULVERT, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
9. INSTALL (1) CURB DROP INLET TYPE I - B. SEE NMDOT STANDARD DRAWING 623-14-1/3, 623-14-2/3, & 623-14-3/3.
10. INSTALL (1) TRANSVERSE DROP INLET TYPE IV. SEE NMDOT STANDARD DRAWING 623-10-1/5, 623-10-2/5, 623-10-3/5, 623-10-4/5, & 623-10-5/5.
11. INSTALL (1) MODIFIED MEDIAN DROP INLET, TYPE I (VALLEY/ RURAL). SEE NMDOT STANDARD DRAWING 623-04-1/1.
12. INSTALL 16' DRIVEPAD ENTRANCE TO POND PER NMDOT SECTION 608 (SEE SERIES 12) AND MISCELLANEOUS DETAILS (SEE SHEET 2-5).
13. INSTALL ADA CURB RAMP WITH DETECTABLE WARNING SURFACE PER NMDOT SECTION 608 (SEE SERIES 12) AND INTERSECTION DRAWINGS (SEE SHEET 3-5 - 3-6).
14. INSTALL 24" DIAMETER CMP CULVERT END SECTIONS, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
15. INSTALL 6' PAVING CONCRETE VALLEY GUTTER. SEE SECTION 12, NM APWA DETAIL, DWG. 2420.
16. INSTALL 6' TALL STANDARD CHAIN LINK FENCE, PER NMDOT DETAIL 607- 04- 1/1 & 607- 08 (SEE SERIES 12).
17. INSTALL (2) 18' LONG AUTOMATIC GATE, SEE SHEET 2-10 FOR PLAN AND PROFILE AND 8-3 & 8-4 FOR ELECTRICAL DETAILS AND DESCRIPTION.
18. INSTALL 30" CONCRETE VALLEY GUTTER, PER NMDOT DETAIL

A POINT TABLE DESCRIPTION

NUMBER	STATION	OFFSET	ELEVATION
1	16+42.53	16.00' RT	3985.78
2	16+45.92	17.33' RT	3985.79
3	16+46.95	18.66' RT	3985.83
4	16+47.53	21.00' RT	3985.88

B POINT TABLE DESCRIPTION

NUMBER	STATION	OFFSET	ELEVATION
1	16+42.53	16.00' RT	3985.78
2	16+45.92	17.33' RT	3985.79
3	16+46.95	18.66' RT	3985.83
4	16+47.53	21.00' RT	3985.88

20 10 0 20
1"=20'

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

609- 01- 1/1 (SEE SERIES 12)

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

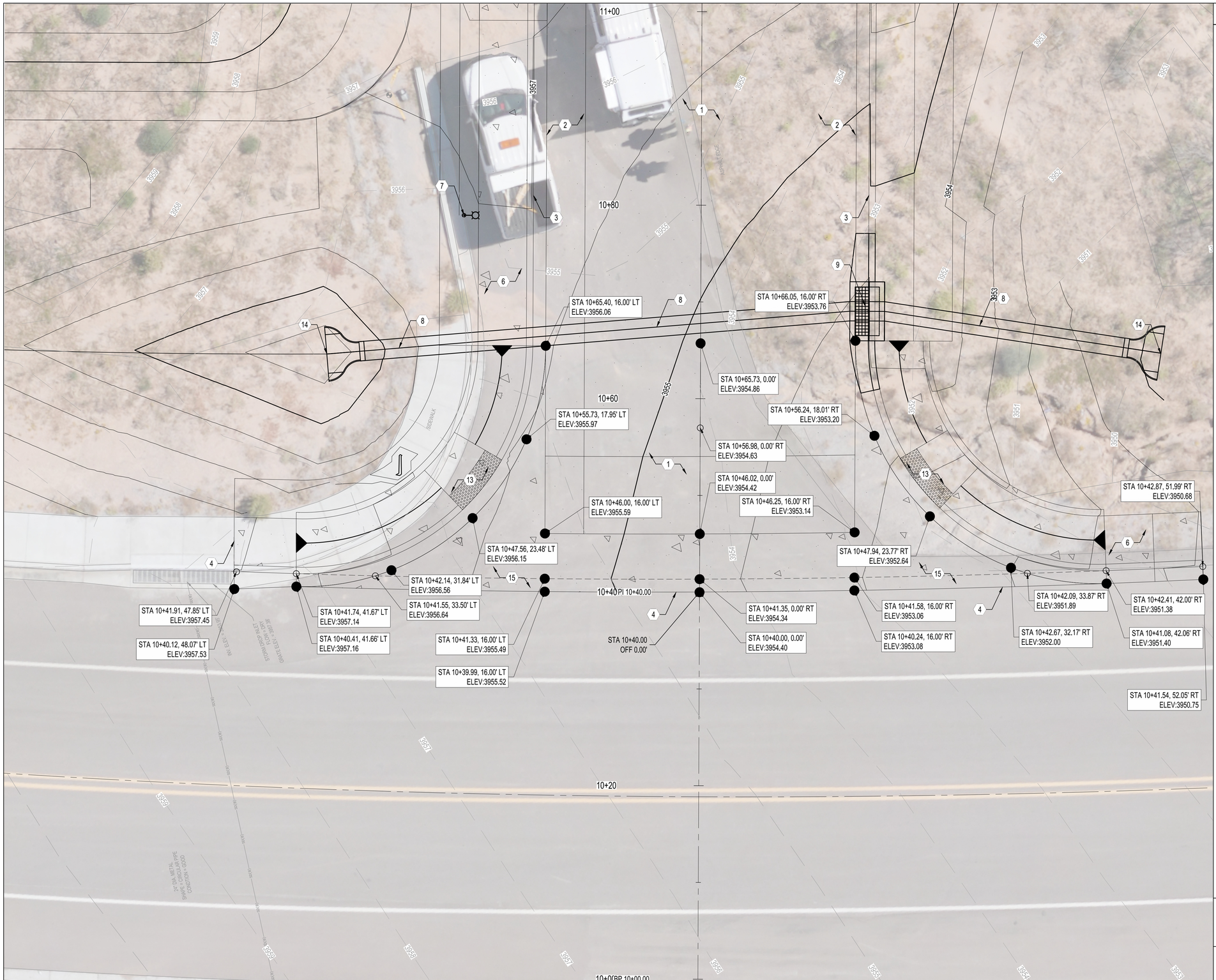
NO.	DATE

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
ROADWAY PLAN & PROFILE

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	3-3	16	51



XX CONSTRUCTION KEY NOTES

1. BUILD ROADWAY SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
2. BUILD 4' WIDE SHOULDER, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
3. BUILD 6" X 24" TYPE B CURB AND GUTTER.
4. MATCH EXISTING GRADE.
5. BUILD 8' WIDE SWALE, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
6. BUILD 5' WIDE SIDEWALK, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
7. INSTALL LIGHT FIXTURES, SEE SECTION 8 FOR NOTES & DETAILS.
8. INSTALL 24" DIAMETER CMP CULVERT, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
9. INSTALL (1) CURB DROP INLET TYPE I - B. SEE NMDOT STANDARD DRAWING 623-14-1/3, 623-14-2/3, & 623-14-3/3.
10. INSTALL (1) TRANSVERSE DROP INLET TYPE IV. SEE NMDOT STANDARD DRAWING 623-10-1/5, 623-10-2/5, 623-10-3/5, 623-10-4/5, & 623-10-5/5.
11. INSTALL (1) MODIFIED MEDIAN DROP INLET, TYPE I (VALLEY/ RURAL). SEE NMDOT STANDARD DRAWING 623-04-1/1.
12. INSTALL 16' DRIVEPAD ENTRANCE TO POND PER NMDOT SECTION 608 (SEE SERIES 12) AND MISCELLANEOUS DETAILS (SEE SHEET 2-5).
13. INSTALL ADA CURB RAMP WITH DETECTABLE WARNING SURFACE PER NMDOT SECTION 608 (SEE SERIES 12) AND INTERSECTION DRAWINGS (SEE SHEET 3-5 - 3-6).
14. INSTALL 24" DIAMETER CMP CULVERT END SECTIONS, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
15. INSTALL 6' PAVING CONCRETE VALLEY GUTTER. SEE SECTION 12, NM APWA DETAIL, DWG. 2420.
16. INSTALL 6' TALL STANDARD CHAIN LINK FENCE, PER NMDOT DETAIL 607- 04- 1/1 & 607- 08 (SEE SERIES 12).
17. INSTALL 36' LONG AUTOMATIC GATE, SEE SECTION 6 FOR DETAILS AND DESCRIPTION.
18. INSTALL 30" CONCRETE VALLEY GUTTER, PER NMDOT DETAIL 609- 01- 1/1 (SEE SERIES 12)

N

5 10 0 5

1" = 5'

HORIZONTAL SCALE: 1" = 5'

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

DESIGN

DESIGNED BY

CHECKED BY

DRAWN BY

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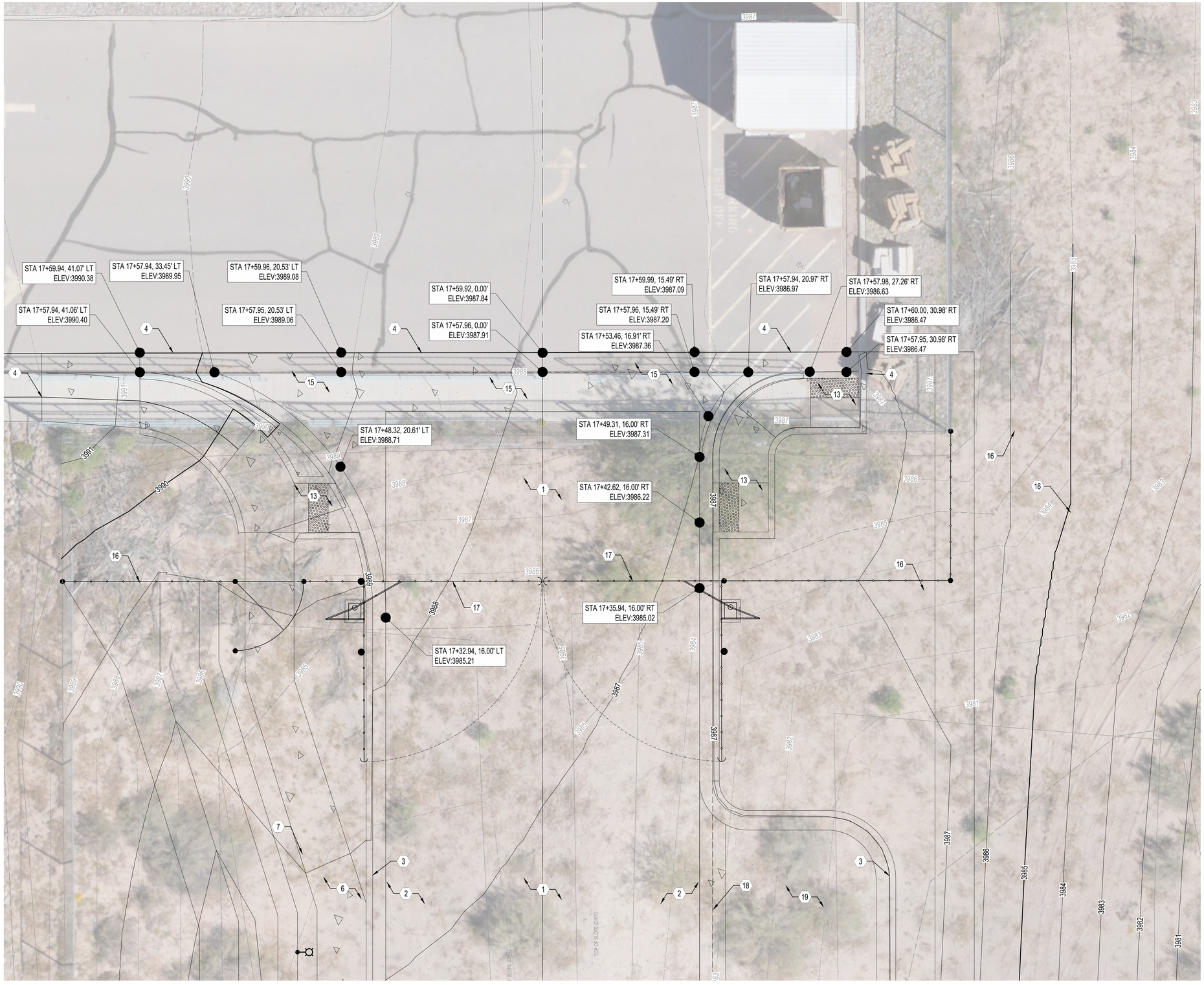
NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
INTERSECTION PLAN VIEW

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	3-4	17	51

1 ACCESS RD PLAN VIEW - STA: 10+40.00 - 10+66.05

SCALE:1" = 5' HORIZONTAL

Thu, 16-Apr-2026 - 1:31:pm, Plotted by: ARAMSEY
P:\20260232\LC\Plan Production\Drawings\SERIES 3\20260232_INT-PLAN.dwg



1 ACCESS RD PLAN VIEW - STA: 17+35.94 - 17+59.92

SCALE:1" = 5' HORIZONTAL

XX CONSTRUCTION KEY NOTES

1. BUILD ROADWAY SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
2. BUILD 4' WIDE SHOULDER, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
3. BUILD 6" X 24" TYPE B CURB AND GUTTER.
4. MATCH EXISTING GRADE.
5. BUILD 8' WIDE SWALE, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
6. BUILD 5' WIDE SIDEWALK, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
7. INSTALL LIGHT FIXTURES, SEE SECTION 8 FOR NOTES & DETAILS.
8. INSTALL 24" DIAMETER CMP CULVERT, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
9. INSTALL (1) CURB DROP INLET TYPE I - B. SEE NMDOT STANDARD DRAWING 623-14-1/3, 623-14-2/3, & 623-14-3/3.
10. INSTALL (1) TRANSVERSE DROP INLET TYPE IV. SEE NMDOT STANDARD DRAWING 623-10-1/5, 623-10-2/5, 623-10-3/5, 623-10-4/5, & 623-10-5/5.
11. INSTALL (1) MODIFIED MEDIAN DROP INLET, TYPE I (VALLEY/ RURAL). SEE NMDOT STANDARD DRAWING 623-04-1/1.
12. INSTALL 16' DRIVEPAD ENTRANCE TO POND PER NMDOT SECTION 608 (SEE SERIES 12) AND MISCELLANEOUS DETAILS (SEE SHEET 2-5).
13. INSTALL ADA CURB RAMP WITH DETECTABLE WARNING SURFACE PER NMDOT SECTION 608 (SEE SERIES 12) AND INTERSECTION DRAWINGS (SEE SHEET 3-5 - 3-6).
14. INSTALL 24" DIAMETER CMP CULVERT END SECTIONS, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
15. INSTALL 6' PAVING CONCRETE VALLEY GUTTER. SEE SECTION 12, NM APWA DETAIL, DWG. 2420.
16. INSTALL 6' TALL STANDARD CHAIN LINK FENCE, PER NMDOT DETAIL 607- 04- 1/1 & 607- 08 (SEE SERIES 12).
17. INSTALL 36' LONG AUTOMATIC GATE, SEE SECTION 6 FOR DETAILS AND DESCRIPTION.
18. INSTALL 30" CONCRETE VALLEY GUTTER, PER NMDOT DETAIL 609- 01- 1/1 (SEE SERIES 12)
19. BUILD ROADWAY SEE TYPICAL SECTION 2, SHEET 2-1 (5 OF 35)

N

5 10 0 5

1" = 5'

HORIZONTAL SCALE: 1" = 5'

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

DESIGN

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CHECKED BY

DRAWN BY

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
INTERSECTION PLAN VIEW

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	3-5	18	51

Thu, 16-Apr-2026 - 1:31:pm, Plotted by: ARAMSEY
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TRAFFIC CONTROL PLAN (TCP):

THE TRAFFIC CONTROL PLAN REPRESENTS A SUGGESTED METHOD FOR TRAFFIC CONTROL DURING CONSTRUCTION. ADJUSTMENTS TO THE DETAILS OF THESE TRAFFIC CONTROL PLANS AND REQUIREMENTS MAY BE NECESSARY DUE TO CONSTRUCTION ACTIVITIES, AS DIRECTED BY THE PROJECT MANAGER. ANY ADDITIONAL TRAFFIC CONTROL PROPOSED WILL BE PAID FOR USING THE BID UNIT PRICES. IF THE CONTRACTOR ELECTS TO DEVIATE FROM THE TRAFFIC CONTROL PLANS, THEN THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION. THE PLAN MUST BE SIGNED AND SEALED BY A NEW MEXICO LICENSED PROFESSIONAL ENGINEER. NO MEASUREMENT OR DIRECT PAYMENT WILL BE MADE FOR DEVELOPING THE PLAN, EXTRA COSTS ASSOCIATED WITH THE PLAN, OR ADDITIONAL DEVICES ASSOCIATED WITH THE PLAN, THE COST BEING CONSIDERED AS INCLUDED IN THE PRICE OF THE CONTRACT ITEMS. THE CONTRACTOR SHALL SUBMIT ANY PROPOSED CHANGES IN THE TRAFFIC CONTROL PLAN TWO WEEKS PRIOR TO THE PRECONSTRUCTION CONFERENCE. CONSTRUCTION SHALL NOT BEGIN UNLESS THE TRAFFIC CONTROL PLAN HAS BEEN APPROVED BY THE DISTRICT TRAFFIC ENGINEER.

NOTE:

WHEN USING THIS TRAFFIC CONTROL PLAN SET THE WORD "PRIORITY" IS INTENDED TO SUGGEST THE LOCATION OR AREA OF THE WORK. THE WORD "PHASE" IS INTENDED TO REFER TO THE TRAFFIC CONTROL LAYOUT DESIGNATING ALL BUT NOT LIMITED TO THE SAFETY DEVICES, WORKZONES AND THE LOCATION OF TRAVELING PUBLIC LANES DURING CONSTRUCTION OF THIS PROJECT.

SEQUENCE OF CONSTRUCTION

PHASE 1

GADSDEN CAMPUS ENTRANCE ROAD

1. CONSTRUCT GADSDEN CAMPUS ENTRANCE ROAD IMPROVEMENTS FROM B.O.P TO E.O.P.
2. MAINTAIN TEMPORARY CONSTRUCTION SIGNING THROUGHOUT THE DURATION OF THE PROJECT.

CONSTRUCTION SIGNING & DEVICES

SIGN CODE & CHANNELIZATION DEVICES	702810														
	CONSTRUCTION SIGNING				STEEL POSTS AND BASE POSTS FOR CONSTRUCTION SIGNING (MOUNTING REQUIREMENTS)								CHANNELIZATION DEVICES		MULT-DIRECTIONAL SLIP BASE POSTS FOR CONSTRUCTION SIGNING
					POST LENGTH					BASE POST (3.5 L.F.)		PORTABLE SIGN SUPPORT	BARRICADE TYPE III 8'	CHANNELIZATION DEVICES TYPE DRUM	
	WIDTH OF SIGN	HEIGHT OF SIGN	NO. OF SIGNS	TOTAL SIGN AREA	LEFT	CENTER	RIGHT	NO.	TOTAL	NO.	TOTAL				
	IN.	IN.	EACH	S.F.	L.F.	L.F.	L.F.	EACH	L.F.	EACH	L.F.	EACH	EACH	EACH	EACH
GADSDEN CAMPUS ENTRANCE ROAD															
TYPE III-8' BARRICADES													4	20	
R11-2-48 (ROAD CLOSED)	60	48	4	80.0	MOUNT TO BARRICADE				0.0		0.0				
W20-1-30 (ROAD WORK AHEAD)	36	36	2	18.0		10.0		2	20.0	2	7.0				
W20-1-36 (ROAD CLOSED AHEAD)	36	36	2	18.0		10.0		2	20.0	2	7.0				
SUBTOTAL				**116.0**					**40.0**		**14.0**	**0**	**4**	**20**	
PROJECT TOTAL				116.0					40.0		14.0	0.0	4.0	20.0	0.0
PROJECT USE				**120**					**40**		**20**	**0**	**4**	**20**	**0**

NOTES:

1. FOR CONTRACTOR INFORMATION ONLY.

CONSTRUCTION SIGNING SUMMARY OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNITS	PROJECT TOTAL	PROJECT USE
701000	PANEL SIGNS	S.F.	116.00	**120**
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	L.F.	54.00	**60**
702238	BARRICADE, TYPE III-8'	EACH	4.00	**4**

NOTES:

1. ADD SPECIAL NOTES HERE IF NEEDED...

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

DESIGN

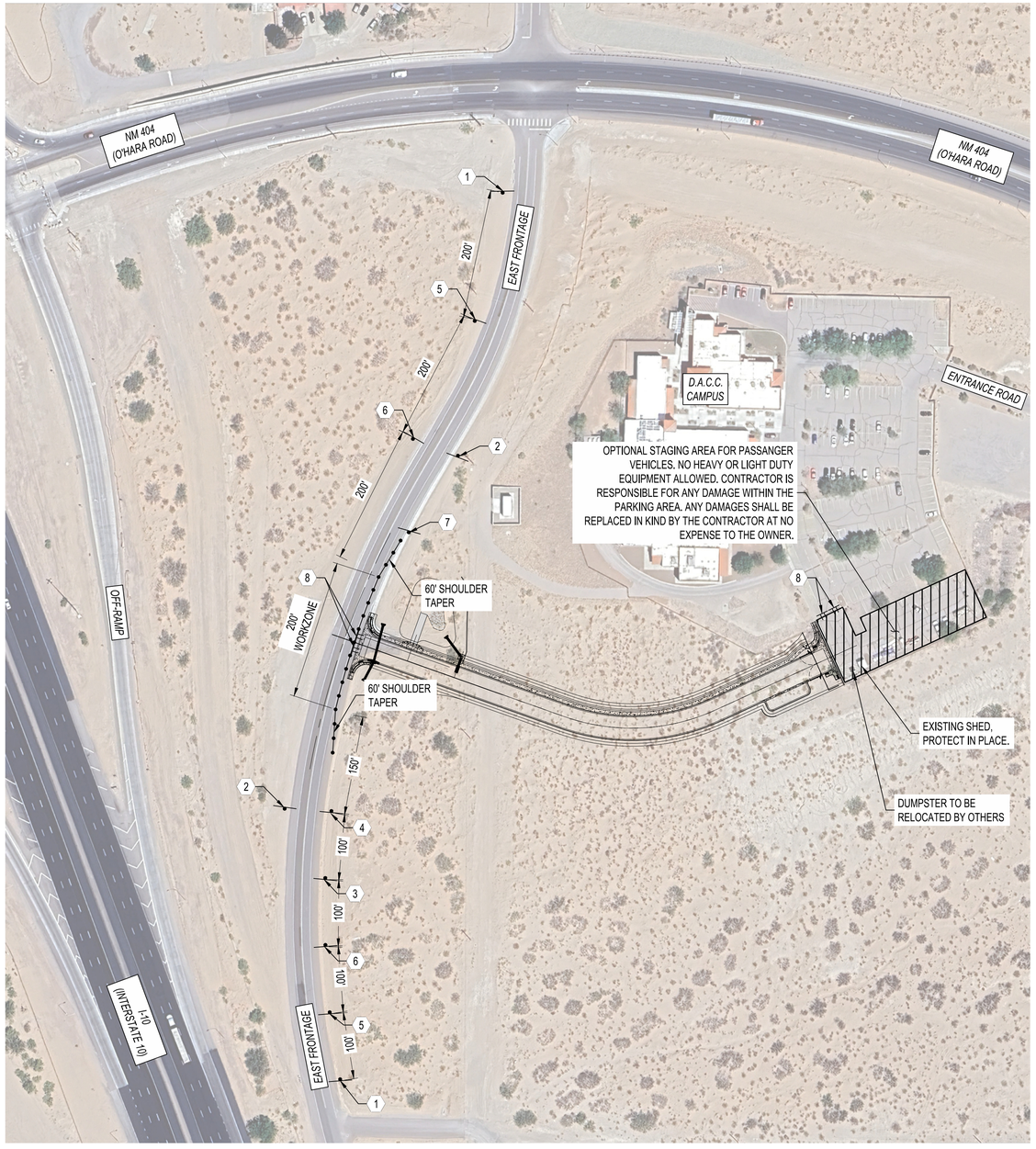
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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
TRAFFIC CONTROL NOTES AND QUANTITIES

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	6-1	19	51

Thu, 16-Apr-2026 - 1:32 pm, Plotted by: ARAMSEY
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1 TRAFFIC CONTROL PLAN

SCALE: 1" = 100"

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
2. TRAFFIC CONTROL PLAN LAYOUT IS BASED ON A POSTED SPEED LIMIT OF 35 MPH.
3. TRAFFIC CONTROL SIGNS SHALL BE MOUNTED AND PLACED IN ACCORDANCE MUTCD STANDARDS. THE MINIMUM HEIGHT MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE GROUND SURFACE IS 4 FEET. THE MINIMUM DISTANCE MEASURED HORIZONTALLY FROM THE EDGE OF PAVEMENT SHOULDER TO THE EDGE OF SIGN CLOSEST TO THE ROADWAY IS 6 FEET.

XX KEY NOTES

1 — 36" × 36" — ROAD WORK AHEAD — W20-1-36 B/O

2 — 36" × 18" — END ROAD WORK — G20-2-36 B/O

3 — 36" × 36" — RIGHT SHOULDER CLOSED AHEAD — W21-5bR-36 B/O

4 — 36" × 36" — RIGHT SHOULDER CLOSED — W21-5aR-36 B/O

5 — 36" × 36" — SPEED LIMIT 20 — W3-5-36 B/O

6 — 30" × 36" — SPEED LIMIT 20 — R2-1-30 B/W

7 — 26" × 24" — SIDEWALK CLOSED — R9-9-24 B/W — 45" — B-1R-24 W/O

8 — 96" × 48" — ROAD CLOSED — R11-2-48 B/W — 60" — B-1R-96 W/O

LEGEND

- TEMPORARY TRAFFIC CONTROL SIGN
- TRAFFIC CONTROL BARRICADE
- CHANNELIZATION DRUMS WITH WARNING LIGHTS/ FLASHERS SPACED AT 20'

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

REVISIONS

NO.	DATE

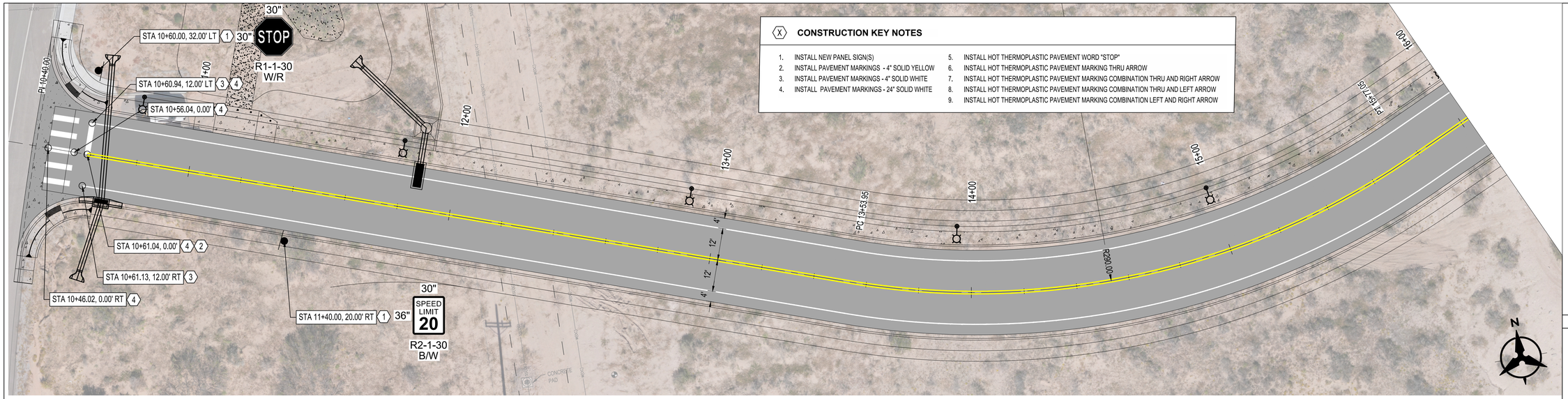
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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
TRAFFIC CONTROL PLAN

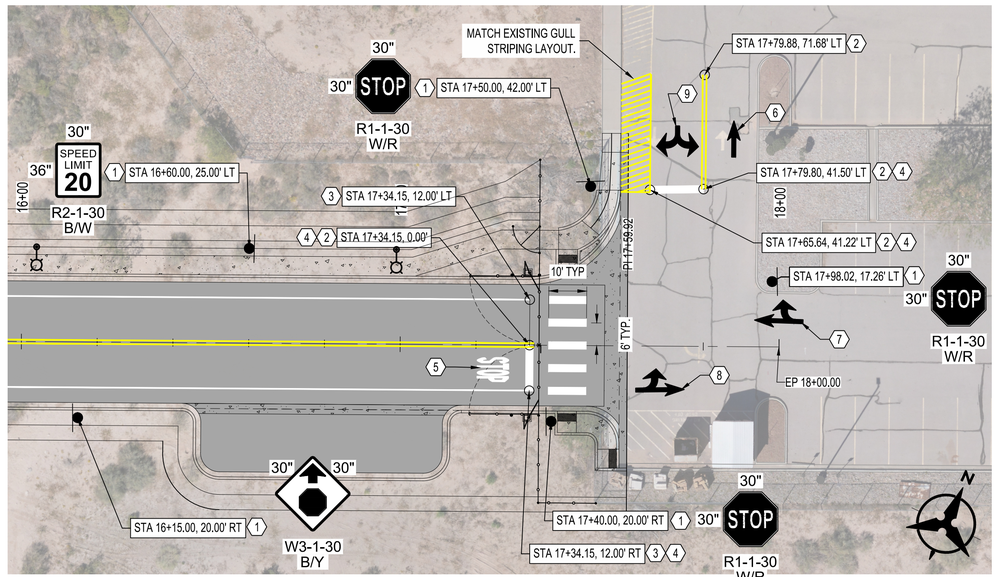
BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	6-2	20	51

Thu, 16-Apr-2026 - 1:32:pm, Plotted by: ARAMSEY
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1 PLAN VIEW - STA: 10+40.00 - 16+00.00

SCALE:1" = 20' HORIZONTAL



2 PLAN VIEW - STA: 16+400.00 - 18+00.00

SCALE:1" = 20' HORIZONTAL

PERMANENT STRIPING QUANTITIES

ITEM NUMBER	STATION	TO	STATION	DESCRIPTION	UNITS	SUBTOTAL	PROJECT TOTAL	REMARKS
GADSDEN CAMPUS ENTRANCE ROAD								
704000	10+61.00	-	17+30.00	RETROREFLECTORIZED PAINTED MARKINGS 4" (DOUBLE YELLOW)	L.F.	669.00	2,676.00	CENTERLINE
704000	10+61.00	-	17+35.00	RETROREFLECTORIZED PAINTED MARKINGS 4" (SOLID WHITE)	L.F.	674.00	1,348.00	EDGE (LEFT)
704000	10+61.00	-	17+30.00	RETROREFLECTORIZED PAINTED MARKINGS 4" (SOLID WHITE)	L.F.	669.00	1,338.00	EDGE (RIGHT)
704000		17+79.80		RETROREFLECTORIZED PAINTED MARKINGS 4" (DOUBLE YELLOW)	L.F.	60.00	120.00	CENTERLINE OF PARKING LOT
704000		VARIES		RETROREFLECTORIZED PAINTED MARKINGS 4" (SOLID YELLOW)	L.F.	210.00	420.00	MISC. GULL STRIPING
				GADSDEN CAMPUS ENTRANCE ROAD - 4" STRIPING PROJECT TOTAL			**5,902.00**	
				GADSDEN CAMPUS ENTRANCE ROAD - 4" STRIPING PROJECT USE			**6,000.00**	
704704	10+46.00	-	10+56.00	RETROREFLECTORIZED PAINTED MARKINGS 24" (SOLID WHITE)	L.F.	50.00	100.00	CROSSWALK
704704		10+61.00		RETROREFLECTORIZED PAINTED MARKINGS 24" (SOLID WHITE)	L.F.	12.00	24.00	STOP BAR
704704		17+30.00		RETROREFLECTORIZED PAINTED MARKINGS 24" (SOLID WHITE)	L.F.	12.00	24.00	STOP BAR
704704	17+35.00	-	17+45.00	RETROREFLECTORIZED PAINTED MARKINGS 24" (SOLID WHITE)	L.F.	50.00	100.00	CROSSWALK
704704	17+65.64	-	17+79.80	RETROREFLECTORIZED PAINTED MARKINGS 24" (SOLID WHITE)	L.F.	14.00	28.00	STOP BAR
				GADSDEN CAMPUS ENTRANCE ROAD - 24" STRIPING PROJECT TOTAL			**276.00**	
				GADSDEN CAMPUS ENTRANCE ROAD - 24" STRIPING PROJECT USE			**280.00**	
704721		17+25.00		HOT THERMOPLASTIC PAVEMENT MARKING WORD (STOP)	EACH	1.00	1.00	
704716		17+66.77		HOT THERMOPLASTIC PAVEMENT MARKING COMBINATION (THRU AND LEFT) ARROW	EACH	1.00	1.00	
704730		17+73.00		HOT THERMOPLASTIC PAVEMENT MARKING COMBINATION (LEFT AND RIGHT) ARROW	EACH	1.00	1.00	
704719		17+84.50		HOT THERMOPLASTIC PAVEMENT MARKING THRU ARROW	EACH	1.00	1.00	
704715		18+00.00		HOT THERMOPLASTIC PAVEMENT MARKING COMBINATION (THRU AND RIGHT) ARROW	EACH	1.00	1.00	

NOTES:

1. PAVEMENT MARKINGS WITH ONE STATION LOCATION REFERENCE THE CENTER OF THE MARKING
2. PROJECT TOTAL QUANTITY SHOWN IS FOR 2 COATS OF PAINT PER NMDOT STANDARD DRAWING 702-02-1/1.

PANEL SIGNS QUANTITIES

REF. SHEET	SIGN CODE	LOCATION	WIDTH OF SIGN	HEIGHT OF SIGN	701000 - PANEL SIGNS		701100 - STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS									701101	REMARKS
							MOUNTING REQUIREMENTS										
							POST LENGTH				SQUARE TUBING				BASE POST		MULTI-DIRECTIONAL SLIP BASE POST FOR ALUMINUM PANEL SIGNS	
					NO. OF SIGNS	TOTAL SIGN AREA	LEFT	CENTER	RIGHT	TOTAL	1.75" X 1.75"	2.00" X 2.00"	2.25" X 2.25"	2.50" X 2.50"	NO.	TOTAL		
			IN.	IN.	EACH	S.F.	L.F.	L.F.	L.F.	L.F.					EACH	L.F.	EACH	
GADSDEN CAMPUS ENTRANCE ROAD																		
7-1	R1-1-30	LT/RT	30	30	4	25.00		10.00		40.00			X		4	14.00		STOP
7-1	R2-1-30	LT/RT	30	36	2	15.00		10.00		20.00			X		2	7.00		SPEED LIMIT "20 MPH"
7-1	W3-1-30	RT	30	30	1	6.25		10.00		10.00			X		1	3.50		STOP AHEAD
					PROJECT TOTAL	46.25				70.00						24.50	0	
					PROJECT USE	**50**				**70**						**30**	**0**	

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

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NO.	DATE

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
PERMANENT SIGNING AND STRIPING PLAN

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	7-1	21	51

Thu, 16-Apr-2026 - 1:32 pm, Plotted by: ARAMSEY
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GENERAL ELECTRICAL NOTES:

1. IF ANY UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH LINES ARE SHOWN, THE LOCATION IS BASED ON INFORMATION PROVIDED BY THE UTILITY OR PIPELINE COMPANY, THE OWNER OR OTHERS, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

2. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF THE ELECTRICAL WORK. INFORMATION PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITIONS IS REQUIRED. REVIEW ALL ARCHITECTURAL AND STRUCTURAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN. THE ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE DATE OF BID OPENING. WHERE DISCREPANCIES OR CONFLICTS OCCUR, THE BID SHALL REFLECT THE MOST STRINGENT REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE AND CONFIRM MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS. USE ACTUAL DIMENSIONS.

3. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY AND CONFIRM THAT EQUIPMENT SUBMITTED SHALL FIT WITHIN THE ALLOTTED SPACE REQUIREMENTS SHOWN ON THE PLANS. IF ANY SPACE OR SIZE DISCREPANCIES ARE ANTICIPATED IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER PRIOR TO SUBMITTAL. ONCE THE SUBMITTALS HAVE BEEN APPROVED IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INSTALL THE EQUIPMENT WITHIN THE ALLOTTED SPACE AT NO ADDITIONAL COST TO THE OWNER.

4. PRIOR TO SUBMITTING A BID FOR ELECTRICAL WORK, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED CONSTRUCTION AND SHALL THOROUGHLY ACQUAINT HIMSELF WITH EXISTING UTILITIES AND WORKING CONDITIONS TO BE ENCOUNTERED, ETC. ALLOWANCE WILL NOT BE MADE FOR NON-COMPLIANCE WITH THIS CONDITION AFTER BIDDING.

5. THE WIRING DIAGRAMS, BLOCK DIAGRAMS, QUANTITY, SIZE OF WIRES, AND CONDUIT REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFIED.

6. CONDUCTORS IN CONDUIT IN DIRECT SOLAR EXPOSURE MUST BE DE-RATED USING A 140 DEGREE AMBIENT TEMPERATURE. THE CONTRACTOR IS RESPONSIBLE FOR REVISING CONDUCTOR SIZE BASED ON ACTUAL CONDUIT ROUTING.

7. ELECTRICAL DRAWINGS IDENTIFY UTILITY SERVICE REQUIREMENTS FOR POWER WITHIN AND UP TO FIVE FEET OUTSIDE THE STRUCTURE. UTILITY CONDUIT SYSTEMS PULL BOXES, AND OTHER STRUCTURES, WHERE SHOWN ON THE SITE PLAN INDICATE THE PREFERRED ROUTING. THE ELECTRICAL CONTRACTOR SHALL REFER TO UTILITY SERVICE DRAWINGS FOR ACTUAL UTILITY SERVICE REQUIREMENTS FOR THIS PROJECT. UTILITY SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED UTILITY SERVICE DRAWINGS.

8. PERFORM THE EXCAVATION, CUTTING, FITTING, REPAIRING AND FINISHING OF THE WORK NECESSARY FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT HOWEVER, NO CUTTING OF THE WORK OF OTHER TRADES OR OF ANY STRUCTURAL MEMBER SHALL BE DONE WITHOUT THE CONSENT OF THE ENGINEER.

9. PERFORM ALL EXCAVATION AND BACKFILLING REQUIRED FOR WORK PERFORMED UNDER THIS DIVISION OF THE SPECIFICATIONS. TRENCH BOTTOMS SHALL BE GRADED TRUE AND FREE FROM STONES OR SOFT SPOTS. USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OFF SITE MATERIALS ARE DEEMED NECESSARY BY THE ENGINEER. TRENCHING AND BACKFILLING FOR ELECTRICAL AND TELEPHONE UTILITY SERVICES TO BUILDING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS. PROVIDE MINIMUM 95% COMPACTION FOR BACKFILL.

10. ALL CONDUCTORS AND DEVICES TO HAVE A PROPER GROUNDING SYSTEM INSTALLED PER NEC 250. ALL FEEDER AND BRANCH CONDUITS ARE TO BE CONSTRUCTED WITH A PROPERLY COORDINATED GROUND CONDUCTOR SIZED FOR EACH BRANCH CIRCUIT.

11. ALL CONDUIT INSTALLATIONS TO HAVE 24" MIN. BURY. CONDUIT ROAD CROSSINGS TO HAVE CONCRETE ENCASEMENT WHERE SHOWN ON THE PLAN LAYOUTS. ALL CONDUITS TO HAVE 6" METALLIC ELECTRIC WARNING TAPE INSTALLED 12" BELOW FINISHED GRADE.

12. NO CONDUIT SMALLER THAN 3/4" PIPE NOR WIRE SMALLER THAN NO. 12 A.W.G. SHALL BE USED UNLESS OTHERWISE NOTED.

13. CONDUIT INSTALLATIONS SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BEAMS AND WALLS.

14. CONDUITS SHALL BE TERMINATED SO AS TO PERMIT NEAT CONNECTIONS TO ENCLOSURES AND OTHER EQUIPMENT.

15. ALL 90 DEGREE ELBOWS IN DIRECT BURIED OR CONCRETE ENCASED UNDERGROUND CONDUIT DUCTBANK SYSTEM SHALL BE PVC COATED GALVANIZED RIGID STEEL.

16. COVER METALLIC CONDUIT IN CONTACT WITH EARTH OR FILL, WITH POLYETHYLENE TAPE SPIRAL WRAPPED, 1/2" LAPPED TO PROVIDE DOUBLE THICKNESS. TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUIT AND DUCTS NOT UNDER BUILDINGS AND FEEDER DUCTS SHALL BE INSTALLED PER NEC 300.5, EXCEPT THAT THE BENDS IN CONDUIT LARGER THAN 1" IN DIAMETER SHALL BE MADE WITH GALVANIZED STEEL CONDUIT TREATED AS NOTED ABOVE. MAKE JOINTS WITH COMPOUND TO BE WATERTIGHT.

17. ALL CONDUIT VERTICAL RISERS THROUGH FLOOR SLABS AND EARTH SHALL BE IN WRAPPED RIGID STEEL OR PVC COATED GALVANIZED RIGID STEEL.

18. ALL CONDUIT AND FITTINGS IN NEMA 4X HAZARDOUS AREAS INDICATED ON THE DRAWINGS SHALL BE PVC JACKETED RIGID METALLIC TYPE.

19. ALL CONDUITS ENTERING NEMA 4X OR NEMA 3R BOXES, CONTROL STATIONS OR OTHER EQUIPMENT RATED NEMA 4X SHALL BE TERMINATED AT THE BOX WITH A MEYERS HUB OR EQUAL.

20. ALL EMPTY CONDUIT SYSTEMS SHALL HAVE A 210 POUND TEST PULL CORD INSTALLED TO FACILITATE INSTALLATION OF FUTURE WIRE.

21. FLEXIBLE METALLIC AND NON-METALLIC CONDUIT SYSTEMS SHALL HAVE A CODE SIZED COPPER GROUND CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED.

22. ALL RECEPTACLE AND LIGHTING CONDUITS SHALL BE INSTALLED WITHIN BUILDING WALLS. ALL RECEPTACLE AND LIGHT SWITCH BOXES SHALL BE RECESSED INTO WALL SPACE AND FLUSH MOUNTED WITH WALL PLATES, UNLESS OTHERWISE INDICATED.

23. LIGHTING FIXTURES SHALL BE MOUNTED ACCORDING TO THE MOUNTING HEIGHT GIVEN ON THE DRAWINGS. THE MOUNTING HEIGHT SHALL BE MEASURED FROM THE BOTTOM OF THE LIGHTING FIXTURE TO FINISHED GRADE OR FINISHED FLOOR.

24. EXTERIOR LIGHTING SHALL COMPLY WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT OUTDOOR LIGHTING ORDINANCE IN THAT ALL FIXTURES WILL BE FULL CUT-OFF AND HAVE LESS THAN SEVENTY (70) LUMENS PER SQUARE FOOT AT GROUND LEVEL UNLESS INDICATED OTHERWISE.

25. ALL CONDUIT INFRASTRUCTURE AND FOUNDATIONS TO BE INSTALLED FOR UTILITY EQUIPMENT SHALL BE INSPECTED AND APPROVED BY UTILITY CONSTRUCTION PERSONNEL PRIOR TO BACKFILL OF ANY MATERIALS.

26. ALL EQUIPMENT INSTALLED IN CLASSIFIED (HAZARDOUS) AREAS PER NFPA 820 SHALL COMPLY WITH NFPA ARTICLE 501.

27. UPON COMPLETION OF THE WORK UNDER THESE DRAWINGS AND SPECIFICATIONS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE SET OF MARKED-UP ELECTRICAL DRAWINGS SHOWING THE "AS-BUILT" CONDITION OF THE WORK. BOND PRINTS OF THE DRAWINGS REQUIRED WILL BE FURNISHED BY THE OWNER, FOR THIS PURPOSE.

28. VERIFY AND TEST ALL POWER , INSTRUMENTATION, AND CONTROL EQUIPMENT FOR PROPER OPERATION PER 26 05 00.

GENERAL GROUNDING NOTES:

1. PLAN LAYOUT DOES NOT SHOW INDIVIDUAL FEEDER OR INDIVIDUAL BRANCH CIRCUIT GROUNDING WITHIN CONDUITS FOR CLARITY.

2. GROUNDING SHALL COMPLY WITH REQUIREMENTS OF NEC ARTICLE 250. ALL EXPOSED NON-CURRENT-CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, METALLIC RACEWAY SYSTEMS, METALLIC CABLE ARMOR, GROUNDING CONDUCTOR OF NONMETALLIC SHEATHED CABLES, GROUNDING CONDUCTOR IN NONMETALLIC RACEWAYS, AND GROUNDED CONDUCTORS OF THE WIRING SYSTEM SHALL BE GROUNDED.

3. THE GROUNDED CONDUCTOR (NEUTRAL) OF THE WIRING SYSTEM SHALL BE CONNECTED TO THE SYSTEM GROUNDING CONDUCTOR AT A SINGLE PLACE IN EACH SYSTEM BY REMOVABLE BONDING JUMPERS, SIZED ACCORDING TO THE APPLICABLE PROVISIONS OF THE NEC. THE GROUNDED CONDUCTOR (NEUTRAL) TO THE GROUNDING CONDUCTOR CONNECTION SHALL BE LOCATED IN THE ENCLOSURE FOR THE SYSTEM'S OVERCURRENT PROTECTION OR WHERE OTHERWISE INDICATED ON THE PLANS OR SPECIFICATIONS.

4. GROUND BUS SEPARATE FROM THE NEUTRAL BUS SHALL BE PROVIDED IN ALL PANELBOARDS. GROUND BUS SHALL BE RE-TORQUED (CHECKED) PRIOR TO ENERGIZING EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.

5. GROUND BUSES AND NEUTRAL BUSES IN ALL PANELBOARDS AND THOSE PROVIDED IN ANY EQUIPMENT SHALL BE ISOLATED EXCEPT WHERE REQUIRED TO BE CONNECTED AS SPECIFIED ABOVE FOR THE SERVICE ENTRANCE AND IN TRANSFORMER TERMINAL COMPARTMENTS.

6. WHEN INDICATED ON THE DRAWINGS, EQUIPMENT GROUNDING CONDUCTORS SHALL BE EXTENDED FROM THE GROUND BUS IN THE DISTRIBUTION EQUIPMENT TO THE RECEPTACLE, FIXTURE OR DEVICE LUGS WHERE THEY ARE PROVIDED. WHEN NOT PROVIDED, THEY SHALL BE CONNECTED TO EQUIPMENT ENCLOSURES. THE CONNECTIONS SHALL BE ARRANGED SUCH THAT REMOVAL OF THE RECEPTACLE, THE EQUIPMENT GROUND CONDUCTORS, OR THE GROUND JUMPERS FROM GROUND BUSING SHALL NOT AFFECT THE GROUND SYSTEM.

7. RACEWAYS MAY NOT BE USED AS A GROUNDING CONDUCTOR FOR POWER AND LIGHTING CIRCUITS. EVERY CONDUIT SUPPLYING POWER AND LIGHTING CIRCUITS SHALL HAVE A SEPARATE CODE SIZED GREEN GROUND WIRE INSTALLED IN THE CONDUIT TO ENSURE A CONTINUOUS GROUNDING PATH.

8. IN LOCATIONS NOT READILY ACCESSIBLE OR BELOW GRADE, MAKE CONNECTIONS BY EXOTHERMIC WELD PROCESS.

9. IN READILY ACCESSIBLE LOCATIONS, CONNECTIONS SHALL BE MADE WITH APPROVED BOLTED BRONZE MECHANICAL GROUNDING CONNECTIONS OR APPROVED IRREVERSIBLE HIGH-COMPRESSION CONNECTIONS.

10. GROUNDING CONDUCTORS LAID DIRECTLY UNDERGROUND SHALL BE LAID SLACK AND BE OF SUFFICIENT STRENGTH TO ALLOW FOR FUTURE EARTH MOVEMENT AND SETTLEMENT.

11. WHEN CONNECTING GROUNDED CONDUCTORS TO CONCRETE FOUNDATION REINFORCING STEEL BAR, CONNECT ONLY TO THE BAR AT THE BOTTOM AND OUTER EDGE OF THE BUILDING FOOTERS.

12. ALL GROUNDING CONDUCTORS SHALL BE INSTALLED WITHOUT SHARP BENDS (MIN. 8" RADIUS) OR KINKS.

LIGHTING NOTES:

1. LOCATIONS OF CONDUIT, FOUNDATIONS, PULL BOXES, AND CONTROL CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES AND TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK TO ENSURE THAT ALL EQUIPMENT ONCE PLACED WILL NOT VIOLATE ADA REQUIREMENTS. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT OF WAY

2. ROADWAY LIGHTING ON THIS PROJECT SHALL CONSIST OF 240 VOLTS FOR CONVENTIONAL ROADWAY LIGHTING.

3. EACH CIRCUIT FOR ROADWAY LIGHTING AND HIGH MAST LIGHTING SHALL BE INSTALLED IN SEPARATE CONDUITS UNLESS APPROVED OTHERWISE.

4. ALL ROADWAY LUMINARIES AND TYPE V STANDARDS WHICH ARE REMOVED SHALL BE SALVAGED AND DELIVERED TO THE NMDOT ANTHONY YARD BY THE CONTRACTOR.

5. EACH TIME A ROADWAY LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH THE FOLLOWING REPRESENTATIVES:
   EL PASO ELECTRIC
   NMDOT PROJECT MANAGER

6. ALL LIGHTING CONTROL CABINETS SHALL INCLUDE PHOTO ELECTRIC CELLS.

7. THE CONTRACTOR SHALL FURNISH AND INSTALL TYPE V POLES, 190 WATT LED BUG RATING B3-V0-G3 AND TYPE III DISTRIBUTION FULL CUTOFF FLAT GLASS LUMINARIES AND TYPE VI POLES, 645 WATT LED BUG RATING B5-U0-G5 AND TYPE V DISTRIBUTION FULL CUTOFF FLAT GLASS LUMINARIES TO CONFORM WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT.

8. THE CONTRACTOR SHALL ARRANGE A NIGHT INSPECTION OF THE LIGHTING SYSTEM WITH THE PROJECT MANAGER, AND THE NMDOT TO ENSURE COMPLIANCE WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT AND PROPER LEVELING OF LUMINARIES HEADS.

9. CONVENTIONAL ROADWAY LIGHTING (240 V) IS TO BE SERVED BY A METER PEDESTAL LOCATED NEAR THE INTERSECTION OF SUNLAND PARK DRIVE AND MCNUTT ROAD.

10. LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN VERTICAL CLEARANCE AND HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. THE LOCAL POWER COMPANY WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

DESIGN

DESIGNED BY | CHECKED BY | DRAWN BY

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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
ELECTRICAL GENERAL NOTES

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	8-1	22	51

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ABBREVIATIONS

A	AMPS, AMPERES
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AT	AMP TRIP
ATO	AUTOMATIC THROWOVER SYSTEM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CCTV	CLOSED CIRCUIT TV
CKT	CIRCUIT
CLF	CURRENT LIMITING FUSE
CO	CONDUIT ONLY
CU	COPPER
DC	DIRECT CURRENT
DIA	DIAMETER
DMM	DIGITAL MULTIMETER
DS	DIGESTED SLUDGE
EPEC	EL PASO ELECTRIC COMPANY
FA	FIRE ALARM
FLA	FULL LOAD AMPS
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPS
KW	KILOWATT
KWH	KILOWATT HOUR
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MIN	MINIMUM
MVA	MEGAVOLT AMPS
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
NEU	NEUTRAL
NIC	NOT IN CONTRACT
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN
PA	PUBLIC ADDRESS
PC	PHOTOCELL
PH	PHASE
RSC	RIGID STEEL CONDUIT
RMC	RIGID METALLIC CONDUIT
RVSS	REDUCED VOLTAGE SOFT STARTER
SS	SURGE SUPPRESSION
SPD	SURGE PROTECTION DEVICE
TWSH	TWISTED SHIELDED (SINGLE PAIR UNLESS INDICATED MULTIPAIR)
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFER	TRANSFER
XP	EXPLOSION PROOF

FIRE ALARM

- SD — SMOKE DETECTOR
- HD — HEAT DETECTOR
- DD — DUCT SMOKE DETECTOR
- F — FIRE ALARM HORN (WEATHER PROOF ENCLOSURE), INSTALL AS INDICATED
- F — FIRE ALARM PULL STATION, WALL MOUNTED AT 44" AFF, 4" SQUARE BOX AND 1 GANG RING
- H / F — COMBINED FIRE ALARM HORN/STROBE SIGNAL AT 80" AFF, 4" DEEP BOX
- FASP — FIRE ALARM SYSTEM PANEL
- FS — FIRE SPRINKLER VALVE FLOW SWITCH
- TS — FIRE SPRINKLER VALVE TAMPER SWITCH

DEVICES

- DUPLEX RECEPTACLE
  - EP - EXPLOSION PROOF
  - GFI - GRD FAULT INTERRUPTER
  - WP - WEATHERPROOF
- DOUBLE DUPLEX RECEPTACLE
- SPECIAL RECEPTACLE
- WALL MOUNTED SINGLE RECEPTACLE
- FLOOR MOUNTED DUPLEX RECEPTACLE
- CEILING MOUNTED DUPLEX RECEPTACLE
- MULTI-OUTLET ASSEMBLY, TYPE AS NOTED
- J — CODE SIZE J-BOX
- J — WALL MOUNTED CODE SIZE J-BOX
- P — CODE SIZED PULL BOX
- F — FUSIBLE DISCONNECT SWITCH
- NON-FUSIBLE DISCONNECT SWITCH
- CB — ENCLOSED CIRCUIT BREAKER
- TC — TIMECLOCK
- PUSH BUTTON
- CLOCK OUTLET
- MOTOR STARTER
- COMBINATION MOTOR STARTER/DISCONNECT SWITCH
- MOTOR CONNECTION
  - "5" DENOTES HORSEPOWER
  - "F" DENOTES HORSEPOWER IS FRACTIONAL
  - SEE MECH. SCHEDULE FOR H.P. SIZE
- $a — SINGLE POLE SWITCH, "a" INDICATES CONTROL CIRCUIT DESTINATION
- $a3 — THREE-WAY SWITCH, "a" INDICATES CONTROL CIRCUIT DESTINATION
- $3 — THREE-WAY SINGLE POLE SWITCH
- $4 — FOUR-WAY SINGLE POLE SWITCH
- $P — SINGLE POLE SWITCH W/INTEGRAL PILOT LIGHT
- $K — KEY OPERATED SINGLE POLE SWITCH
- $M — MANUAL MOTOR STARTER SWITCH WITHOUT THERMAL OVERLOADS
- $T — MANUAL MOTOR STARTER SWITCH W/THERMAL OVERLOAD PROTECTION
- $#D — DIMMER SWITCH-# DENOTES WATTAGE RATING
- $WP — WEATHER PROOF SINGLE POLE SWITCH
- ⊗ — MISCELLANEOUS INSTRUMENT

LIGHTING

- 2x4 CEILING FIXTURE TYPE:
  - A FIXTURE TYPE
  - a SWITCH DESIGNATION
- 1x4 CEILING FIXTURE
- UNSWITCHED EMERGENCY LIGHTING FIXTURE
- PENDANT MOUNTED CEILING FIXTURE
- STRIP SURFACE CEILING FIXTURE
- CEILING FIXTURE
- WALL MOUNTED FIXTURE
- CEILING MOUNTED EXIT LIGHT
- CEILING MOUNTED DOUBLE EXIT LIGHT
- CEILING MOUNTED SINGLE EXIT LIGHT
- WALL MOUNTED DOUBLE EXIT LIGHT
- WALL MOUNTED SINGLE EXIT LIGHT
- COMBINATION EMERGENCY BATTERY PACK/EXIT LIGHT FIXTURE
- EMERGENCY BATTERY PACK LIGHT FIXTURE
- POLE-MOUNTED AREA CUT-OFF LIGHT FIXTURE
- DOUBLE HEAD POLE-MOUNTED AREA CUT-OFF LIGHT FIXTURE
- DOUBLE HEAD POLE-MOUNTED DIRECTABLE FLOOD LIGHT FIXTURE
- PHOTOELECTRIC CELL

DISTRIBUTION

- 100A / 3P — CIRCUIT BREAKER
  - 100A - TRIP RATING
  - 3P - NUMBER OF POLES
- E / 1200AF / 800AT — LOW VOLTAGE AIR CIRCUIT BREAKER
  - E - INDICATES ELECTRICAL
  - M - INDICATES MECHANICAL
  - 1200AF - FRAME RATING
  - 800AT - TRIP RATING
- 1200AF / 800AT — DRAWOUT CIRCUIT BREAKER
- 480V / 50 KVA / 120/240V — TRANSFORMER
  - 480V - PRIMARY VOLTAGE
  - 50KVA - RATING
  - 120/240V - SECONDARY VOLTAGE
- K13 — SHIELDED TRANSFORMER
  - K13 DENOTES K-RATING
- 300:5 (2) — CURRENT TRANSFORMER
  - 300:5 - INDICATES CT RATIO
  - (2) - INDICATES QUANTITY
- 2 — POTENTIAL TRANSFORMER
  - NUMBER "2" DENOTES QUANTITY
- NEMA #, HEAVY DUTY, ###V, ###A, DISCONNECT SWITCH (DS) — SINGLE THROW DISCONNECT
- NEMA #, HEAVY DUTY, ###V, ###A, FUSE DISCONNECT SWITCH (DS) ###A — FUSIBLE DISCONNECT SWITCH
- FUSE
- GROUND CONNECTION
- NEMA #, HEAVY DUTY, ###V, ###A, MANUAL TRANSFER SWITCH (MTS) — TRANSFER SWITCH
- MOTOR CONTROL UNIT (MCU-#) — FULL VOLTAGE NON REVERSING MOTOR STARTER (FVNR) OR (SSSS) SOLID STATE SOFT START
  - 1- DENOTES NEMA SIZE
- MOTOR CONTROL UNIT (MCU-#) VFD — VARIABLE FREQUENCY DRIVE (VFD)
- PF — PASSIVE HARMONIC FILTER

- M — MOTOR CONNECTION
- PUMP # (P-#) # HP, #A
- SURGE ARRESTER
- SPD — SURGE PROTECTION DEVICE
- RECEPTACLE — DUPLEX RECEPTACLE
- LIGHTS — FIXTURE
- LINE 1
- XFMR - ###V ## KVA ###/###V — TRANSFORMER PANEL
  - ###A / #P
  - ###A / #P
- PANEL - ###/###V (SEE PANEL SCHEDULE FOR LOADS)

CONDUIT AND CONDUCTORS

- DP12 — HOMERUN TO INDICATED PANEL DP, NUMBER INDICATES CIRCUIT.
- EXISTING CONDUIT
- FUTURE CONDUIT
- EXISTING CONDUIT TO BE REMOVED
- NEW CONDUIT ROUTED UNDERGROUND OR CONCEALED
- NEW CONDUIT ROUTED ABOVE GROUND OR EXPOSED
- NEW GROUND COUNTERPOISE SYSTEM CONDUCTOR
- NEW LIGHTNING PROTECTION SYSTEM ROOF CONDUCTOR
- NEW LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR
- FLEXIBLE CONDUIT
- CONDUIT TURNED DOWN
- CONDUIT TURNED UP
- CONDUIT CAPPED
- CABLE TRAY
- AERIAL TERMINAL
- GROUND ROD
- EXOTHERMIC CONNECTION
- CONNECTION POINT
- HOMERUN ARROW
- CONTINUATION POINT

PLC INPUT / OUTPUT DEVICES

- NORMALLY CLOSED CONTROL OUTPUT
- NORMALLY OPEN CONTROL OUTPUT
- AI — ANALOG INPUT 4-20MA UNLESS NOTED
- PO — PULSE OUTPUT PULSE TRAIN UNLESS NOTED
- AO — ANALOG OUTPUT 4-20MA UNLESS NOTED
- DI

CONTROLS

- CIRCUIT BREAKER
- CONNECTION CIRCLE
- RELAY, CONTACTOR, OR TIME CLOCK COIL, NORMALLY CLOSED
- RELAY, CONTACTOR, OR TIME CLOCK COIL, NORMALLY CLOSED
- RELAY, CONTACTOR, OR TIME CLOCK COIL, NORMALLY OPEN
- TIME DELAY CLOSE AFTER DE-ENERGIZE
- TIME DELAY OPEN AFTER DE-ENERGIZE
- FIELD DEVICE TERMINATION
- DISCONNECT SWITCH, NORMALLY CLOSED
- DISCONNECT SWITCH, NORMALLY OPEN
- TIME DELAY CLOSE ON ENERGIZE
- TIME DELAY OPEN ON ENERGIZE
- FUSE
- GROUND
- M — CONTRACTOR MECHANICAL INTERLOCK
- GENERIC INSTRUMENT
- INDICATOR LAMP
- MOTOR
- MOTOR STARTER OVERLOAD RELAY ELEMENT
- RESISTOR
- FLOW SWITCH, NORMALLY CLOSED
- FLOW SWITCH, NORMALLY OPEN
- LEVEL SWITCH, NORMALLY CLOSED
- LEVEL SWITCH, NORMALLY OPEN
- MAINTAINED SELECTOR SWITCH, CLOSED
- MAINTAINED RED MUSHROOM HEAD PUSHBUTTON SWITCH, NORMALLY CLOSED
- MAINTAINED RED MUSHROOM HEAD PUSHBUTTON SWITCH, NORMALLY OPEN
- MAINTAINED SELECTOR SWITCH, OPEN
- MAINTAINED SELECTOR SWITCH, CLOSED, OFF POSITION
- MAINTAINED SELECTOR SWITCH, OPEN, OFF POSITION
- POSITION SWITCH, CLOSED
- POSITION SWITCH, OPEN
- MOMENTARY PUSHBUTTON SWITCH, NORMALLY CLOSED
- MOMENTARY PUSHBUTTON SWITCH, NORMALLY OPEN
- MOTOR THERMAL SWITCH, SELF-RESETTING, NORMALLY CLOSED
- PRESSURE SWITCH, NORMALLY CLOSED
- PRESSURE SWITCH, NORMALLY OPEN
- TEMPERATURE SWITCH, CLOSED
- TEMPERATURE SWITCH, OPEN
- TRANSFORMER

CONDUIT TAGS AND DESCRIPTIONS

- ### — CONDUIT NUMBER (CONDUIT TAG)
- XX-### — INSTRUMENT DESIGNATION (INSTRUMENT TAG)
- ? — KEYED NOTE (SQUARE POINT TABLE)
- TEXT WITH LEADER (BHNCS FULL)

SPECIAL SYSTEMS

- TELEPHONE OUTLET-EXTEND 3/4" CONDUIT TO BACKBOARD. MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
- WTELEPHONE OUTLET-MOUNT AT 48" AFF UNLESS NOTED
- FLOOR MOUNTED TELEPHONE OUTLET
- DATA OUTLET-EXTEND 3/4" CONDUIT TO BACKBOARD. MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
- COMMUNICATIONS OUTLET-MOUNT AT 18" AFF UNLESS NOTED
- COMMUNICATIONS OUTLET-FLOOR MOUNTED
- S — SPEAKER, CEILING MOUNTED
- S — SPEAKER, WALL MOUNTED
- SWP — SPEAKER, WALL MOUNTED, WEATHERPROOF
- TV — TELEVISION OUTLET, MOUNT AT 84" AFF UNLESS NOTED OTHERWISE
- B — BELL
- H — HORN
- CAMERA
- CR — CARD READER
- DS — DOOR STRIKE
- DC — DOOR CONTACTS
- KP — KEY PAD
- SK — KEYED SWITCH FOR ARMING/DISARMING SECURITY SYSTEM
- MD — MOTION DETECTOR-360° CEILING MOUNTED
- MD — MOTION DETECTOR-180° WALL MOUNTED
- S — SIREN FOR SECURITY SYSTEM

EQUIPMENT

- FLUSH MOUNTED CIRCUIT BREAKER PANELBOARD
- SURFACE MOUNTED CIRCUIT BREAKER PANELBOARD
- ELECTRICAL ENCLOSURE
- NEMA 4X — ALL PANELS, STARTERS, DISCONNECTS, WIRING DEVICES ETC. WITHIN THE ROOM/ SPACE NOTED TO HAVE ENCLOSURES WITH NEMA TYPE # ENCLOSURES (EXCEPT AS SPECIFICALLY NOTED)

SITE PLAN EQUIPMENT

- EXISTING OVERHEAD POWER POLE
- NEW OVERHEAD POWER POLE
- DUCTBANK ACCESS MANHOLE

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION 04/16/2026

REVISIONS

NO.	DATE

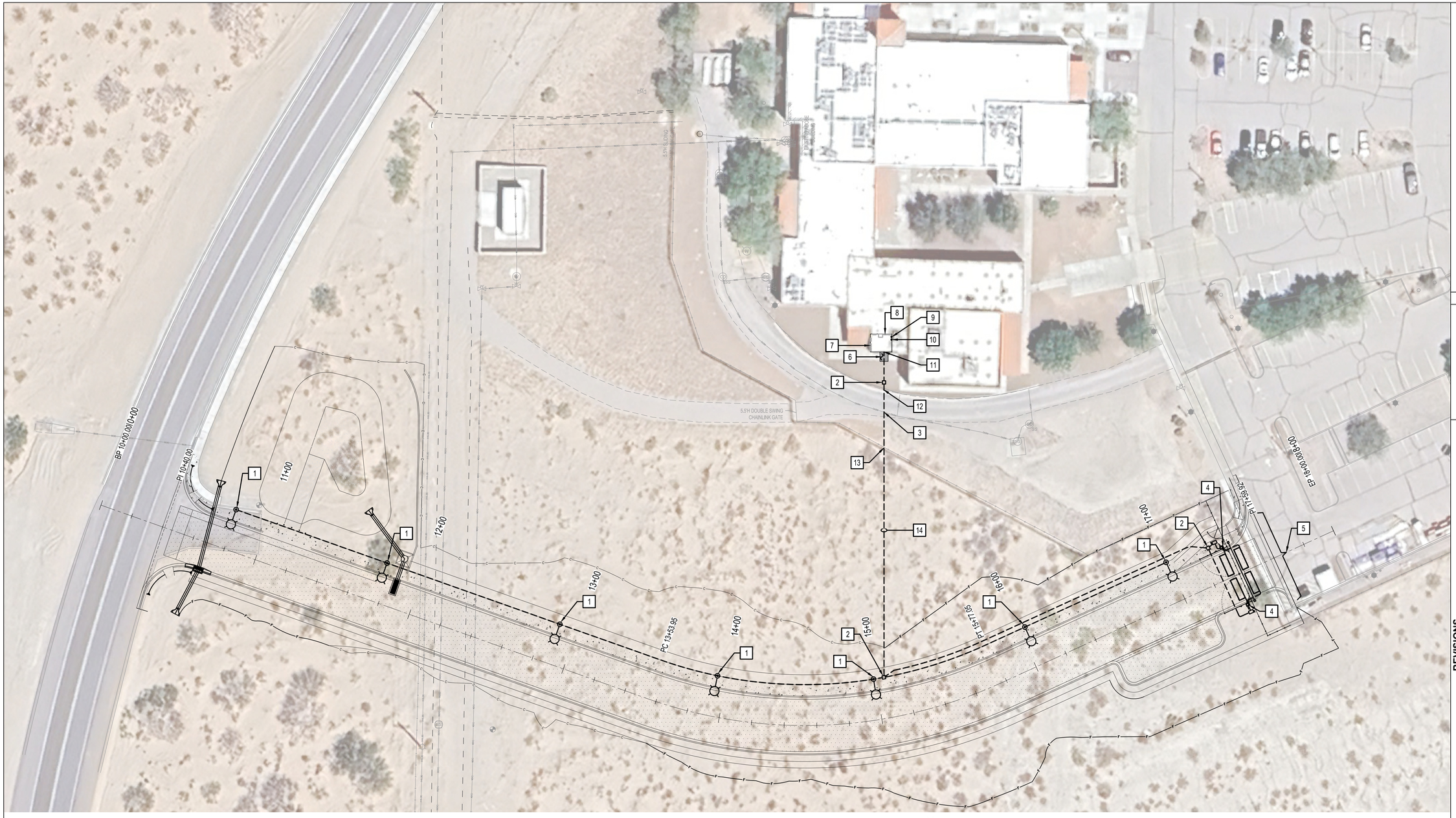
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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
ELECTRICAL SYMBOLS LEGEND

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	8-2	23	51

Thu, 16-Apr-2026 - 1:33:pm, Plotted by: ARAMSEY
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GENERAL NOTES

1. FOR CONDUIT TRENCHING AND INSTALLATION SEE DRAWING 8-5, DETAIL 1.
2. FOR CONDUIT STUB UP REQUIREMENT SEE DRAWING 8-5, DETAIL 3.
3. FOR CONDUIT AND CONDUCTOR SIZING, SEE DRAWING 8-6, POWER ONE LINE DIAGRAM.

KEYED NOTES

1. FOR LIGHT POLE BASE INSTALLATION SEE DRAWING 8-4, DETAIL 3, TYPICAL.
2. FOR PULL BOX INSTALLATION SEE DRAWING 8-5, DETAIL 2, TYPICAL.
3. MAINTAIN 1'-0" MINIMUM SEPARATION FROM EDGE OF SEWER LINE TO EDGE OF CONDUIT.
4. SECURITY GATE OPERATOR.
5. FOR SECURITY GATE INSTALLATION SEE DRAWING 8-4, DETAIL 2.
6. REMOVE EXISTING SECTION OF CONCRETE FROM EXPANSION JOINT TO EXPANSION JOINT FOR CONDUIT TRENCH AND BURY IN THIS AREA.
7. EXISTING 277/480V PANEL.
8. EXISTING 120/208V PANEL.
9. TIME CLOCK.
10. 277V LIGHTING CONTACTOR.
11. FOR CONDUIT WALL PENETRATION SEE DRAWING 8-5, DETAIL 5.
12. ROUTE CONDUIT MINIMUM 1'-0" BELOW WALL FOUNDATION TO AVOID INTERFERING WITH WALL/FOUNDATION. ADJUST DEPTH OF CONDUIT AT UNDERGROUND PULL BOX AS NECESSARY TO ACCOMMODATE WALL/FOUNDATION.
13. TUNNEL BENEATH EXISTING CHAN LINK FENCE.
14. TYPICAL OF 3 CONDUITS. SEE DRAWING 8-6, POWER ONE LINE DIAGRAM FOR CONDUIT/CONDUCTOR SIZING.

1 ELECTRICAL SITE PLAN
SCALE:1" = 30'

30 15 0 30
1"=30'

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ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

REVISIONS

NO.	DATE

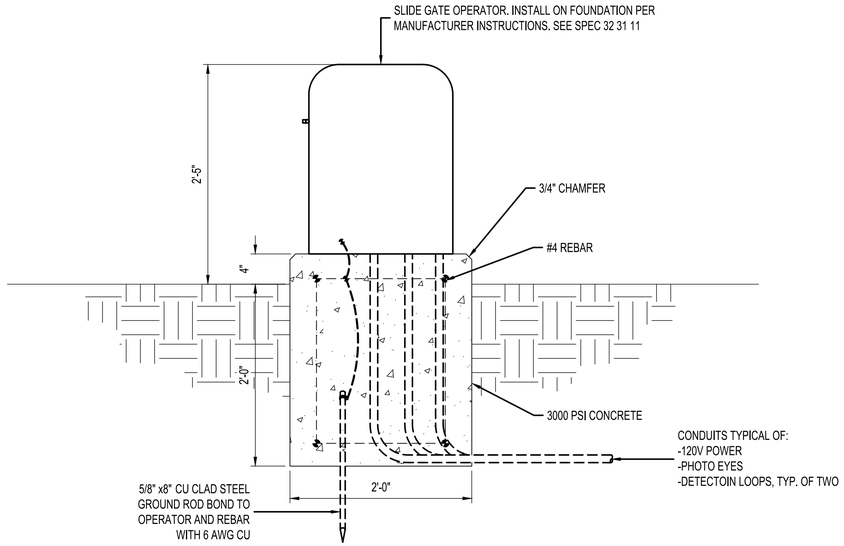
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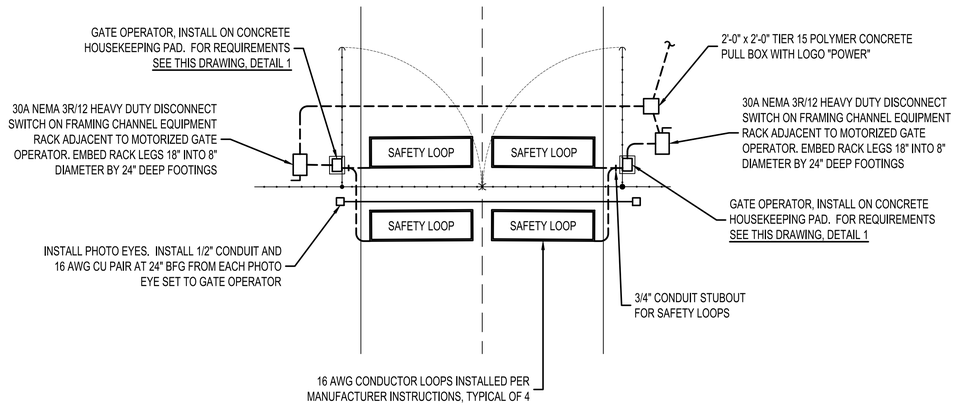
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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
ELECTRICAL SITE PLAN

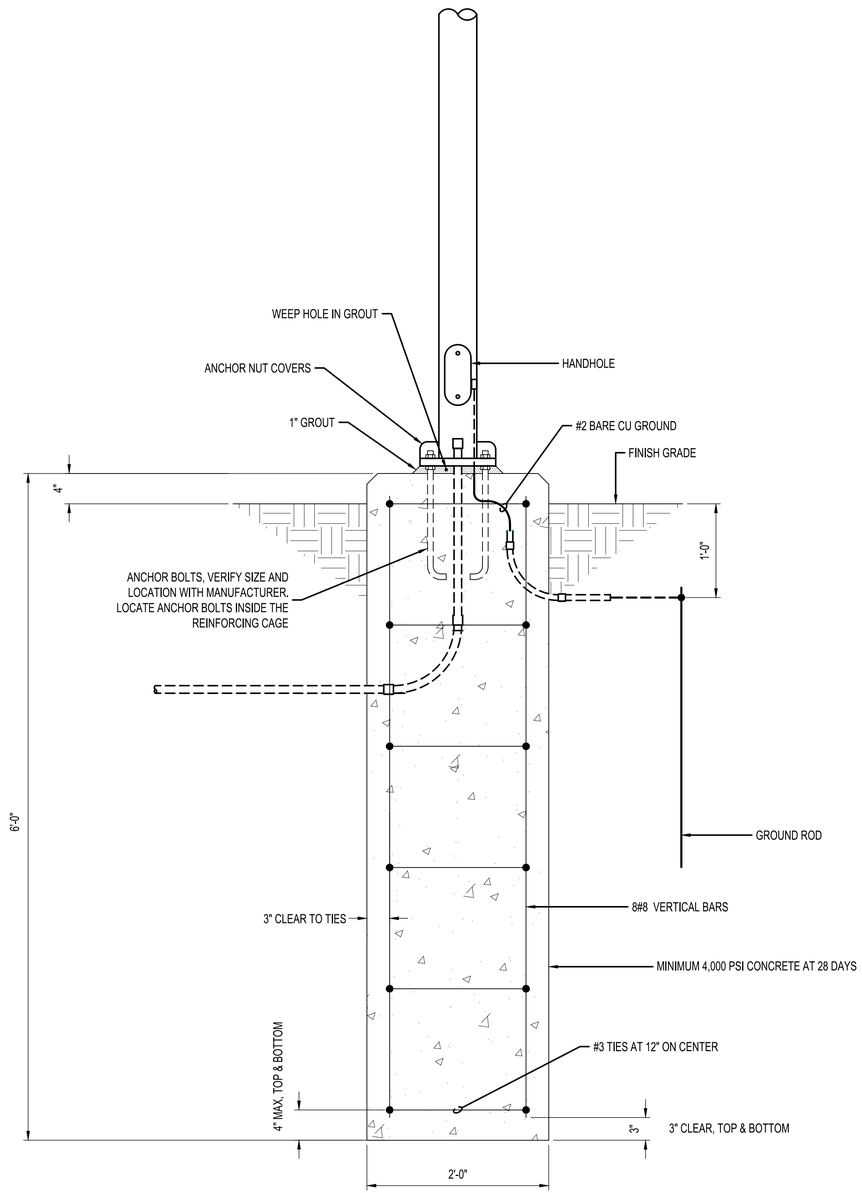
BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	8-3	24	51



1 GATE OPERATOR DETAIL
SCALE: NOT TO SCALE



2 SECURITY GATE DETAIL
SCALE: NOT TO SCALE



3 LIGHT POLE BASE DETAIL
SCALE: NOT TO SCALE

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REVISIONS

NO.	DATE

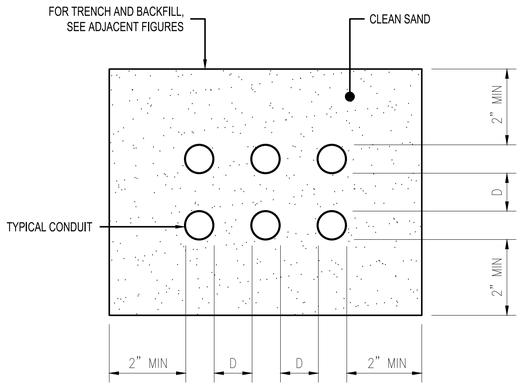
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GADSDEN CAMPUS ENTRANCE ROAD
ELECTRICAL DETAILS - 1

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	8-4	25	51

Thu, 16-Apr-2026 - 1:33:pm, Plotted by: ARAMSEY
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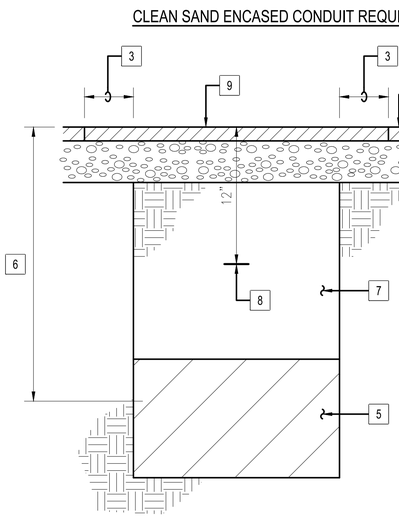
D = 3" FOR 2" AND LARGER CONDUITS OR
2" FOR 1-1/2" AND SMALLER CONDUITS

NOTE: DETAIL SHOWN FOR SIX CONDUITS, BUT APPLICABLE TO INSTALLATIONS WITH ANY NUMBER OF CONDUITS. USE MANUFACTURED CONDUIT SPACERS FOR PLACEMENT OF CONDUITS.

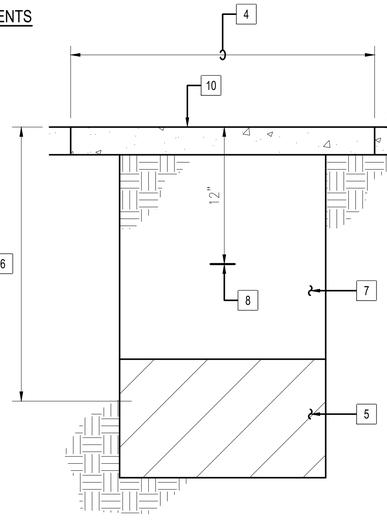
KEYED NOTES

1. EXISTING ASPHALT.
2. EXISTING CONCRETE.
3. SAWCUT AND REMOVE EXISTING ASPHALT (MINIMUM 6" BEYOND EDGE OF TRENCH).
4. SAWCUT AND REMOVE EXISTING CONCRETE FROM EXPANSION JOINT TO EXPANSION JOINT.
5. CLEAN SAND ENCASED CONDUIT IN TRENCH.
6. INSTALL TOP OF CONDUIT MINIMUM 24" BELOW FINISH GRADE FOR CIRCUITS 600V AND LESS; UNLESS OTHERWISE NOTED.
7. COMPACT BACKFILL TO 95% MAXIMUM DENSITY PER ASTM D 1557.
8. RED DETECTABLE WARNING TAPE.
9. REPLACE WITH MINIMUM 2" OR EQUAL TO EXISTING (WHICHEVER IS GREATER) CLASS B ASPHALT OVER 6" AGGREGATE BASE COURSE.
10. REPLACE WITH 4" 3000 PSI CONCRETE.

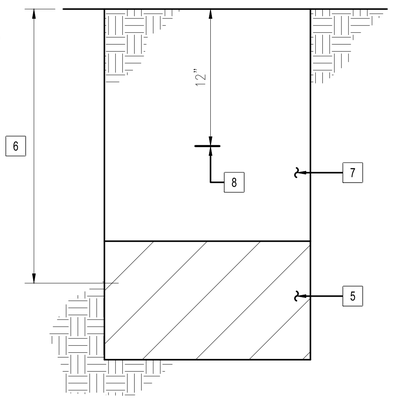
CLEAN SAND ENCASED CONDUIT REQUIREMENTS



TRENCH UNDER ASPHALT



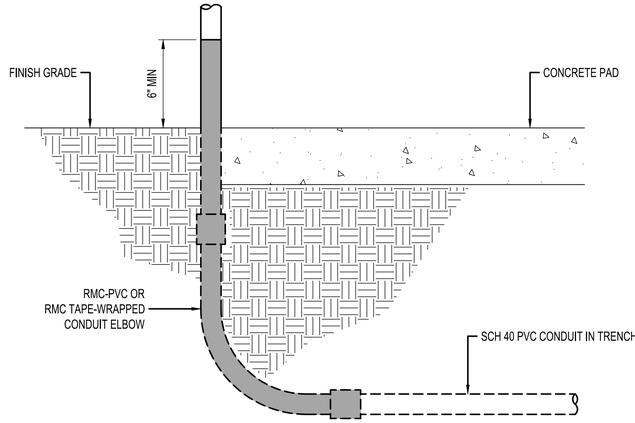
TRENCH UNDER CONCRETE



TRENCH UNDER NATURAL GROUND

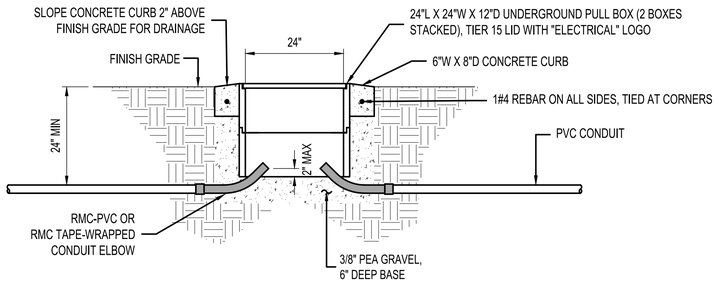
1 CONDUIT IN TRENCH DETAIL

SCALE: NOT TO SCALE



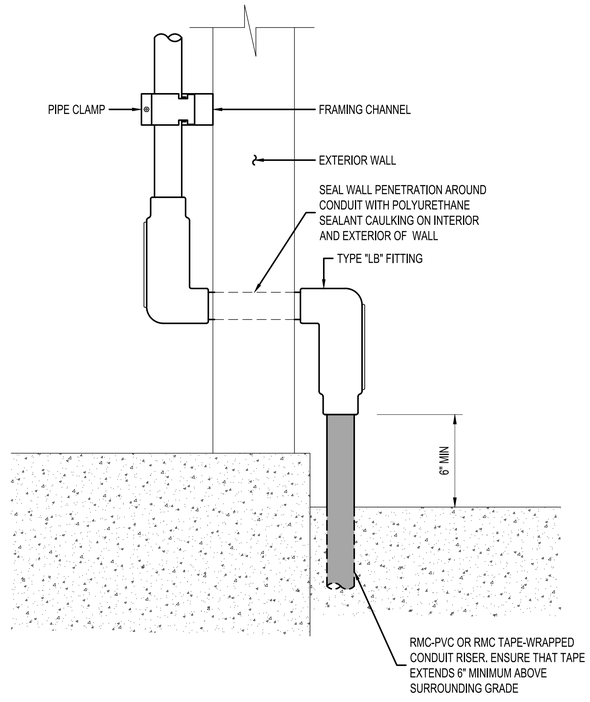
3 CONDUIT RISER DETAIL

SCALE: NOT TO SCALE



2 UNDERGROUND PULL BOX DETAIL

SCALE: NOT TO SCALE



4 WALL PENETRATION DETAIL

SCALE: NOT TO SCALE

ENGINEER'S SEAL

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04/16/2026

REVISIONS

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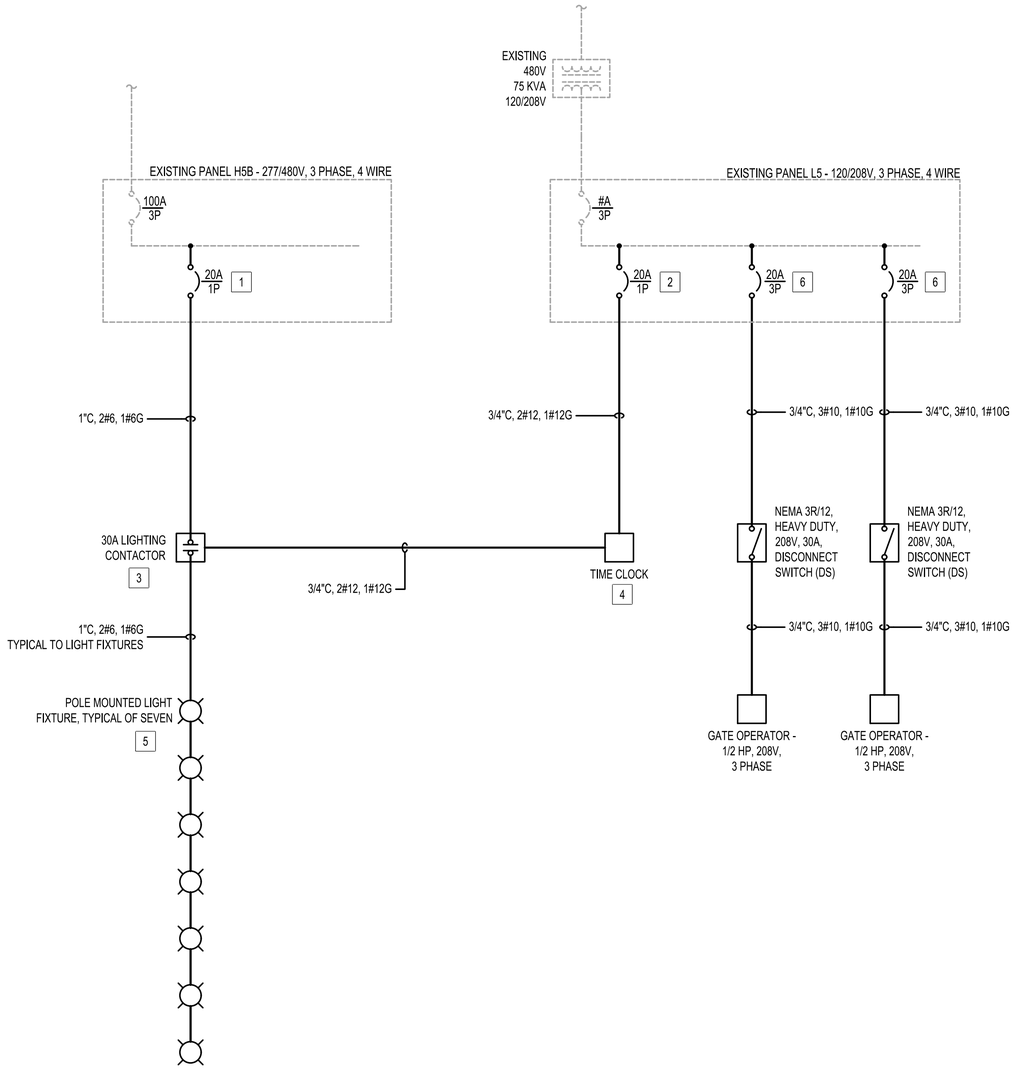
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NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
ELECTRICAL DETAILS - 2

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	8-5	26	51

Thu, 16-Apr-2026 - 1:33:pm, Plotted by: ARAMSEY
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1 POWER ONE LINE DIAGRAM

SCALE: NOT TO SCALE

KEYED NOTES

1. INSTALL CIRCUIT BREAKER IN PANEL H5B TO SERVE NEW LIGHTING CIRCUIT, SQUARE D TYPE EDB14020 OR ENGINEER APPROVED EQUAL. UPDATE PANEL LEDGER WITH NEW LOAD.
2. INSTALL CIRCUIT BREAKER IN PANEL L5 TO SERVE LIGHTING CONTROL TIME CLOCK. UPDATE PANEL LEDGER WITH NEW LOAD.
3. LIGHTING CONTACTOR, 480V, 30A, NEMA 1 ENCLOSURE WITH H-O-A SWITCH, MECHANICALLY HELD, MANUFACTURER'S REFERENCE SCHNEIDER ELECTRIC CLASS 8903 WITH TYPE S CONTACTOR OR ENGINEER APPROVED EQUAL.
4. 7-DAY ASTRONOMIC TIME CLOCK, MANUFACTURER'S REFERENCE INTERMATIC MODEL #ET8105C, NO SUBSTITUTIONS, CONFIGURE PER OWNER DIRECTION.
5. TYPE 2 ROADWAY LIGHT FIXTURE, COLOR TEMP 5000K, ON 30' POLE WITH BREAKAWAY BOLTS, MANUFACTURER'S REFERENCE SOLAIS GL1-3H-2RM-750-277V-10-2PH-OZ-COLOR-HT AND 30' POLE AMERICAN LITE POLE SNS-30-50-7-AB-COLOR-D19-BCS, NO SUBSTITUTIONS.
6. INSTALL CIRCUIT BREAKER IN PANEL L5 TO SERVE GATE OPERATOR. UPDATE PANEL LEDGER WITH NEW LOAD.

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

REVISIONS

NO.	DATE

DESIGN

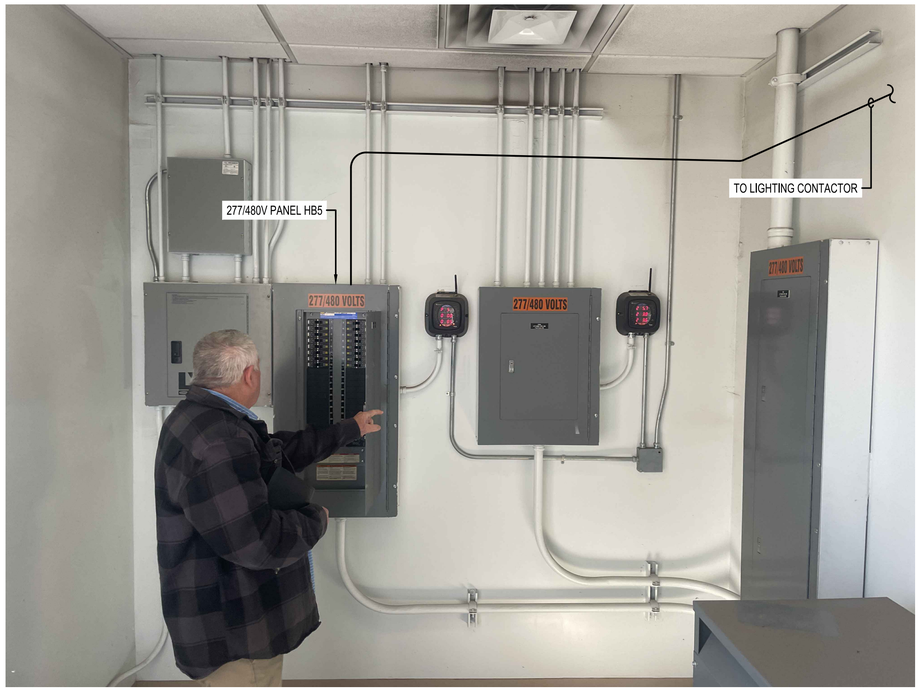
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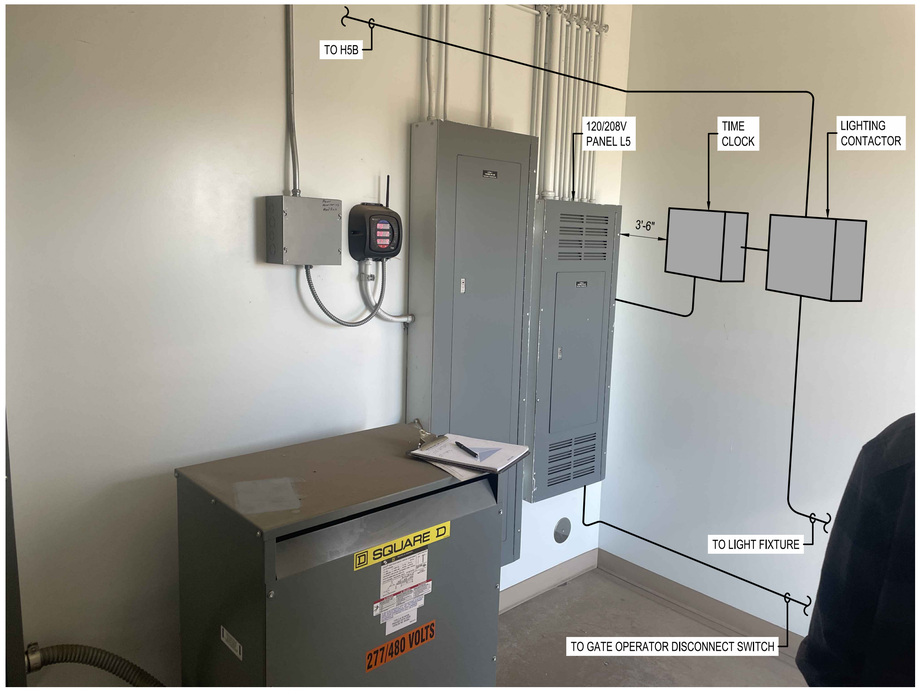
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GADSDEN CAMPUS ENTRANCE ROAD
POWER ONE LINE DIAGRAM

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	8-6	27	51

Thu, 16-Apr-2026 - 1:33:pm, Plotted by: ARAMSEY
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1 **PHOTO 1**



2 **PHOTO 2**

ENGINEER'S SEAL

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REVISIONS

NO.	DATE

DESIGN

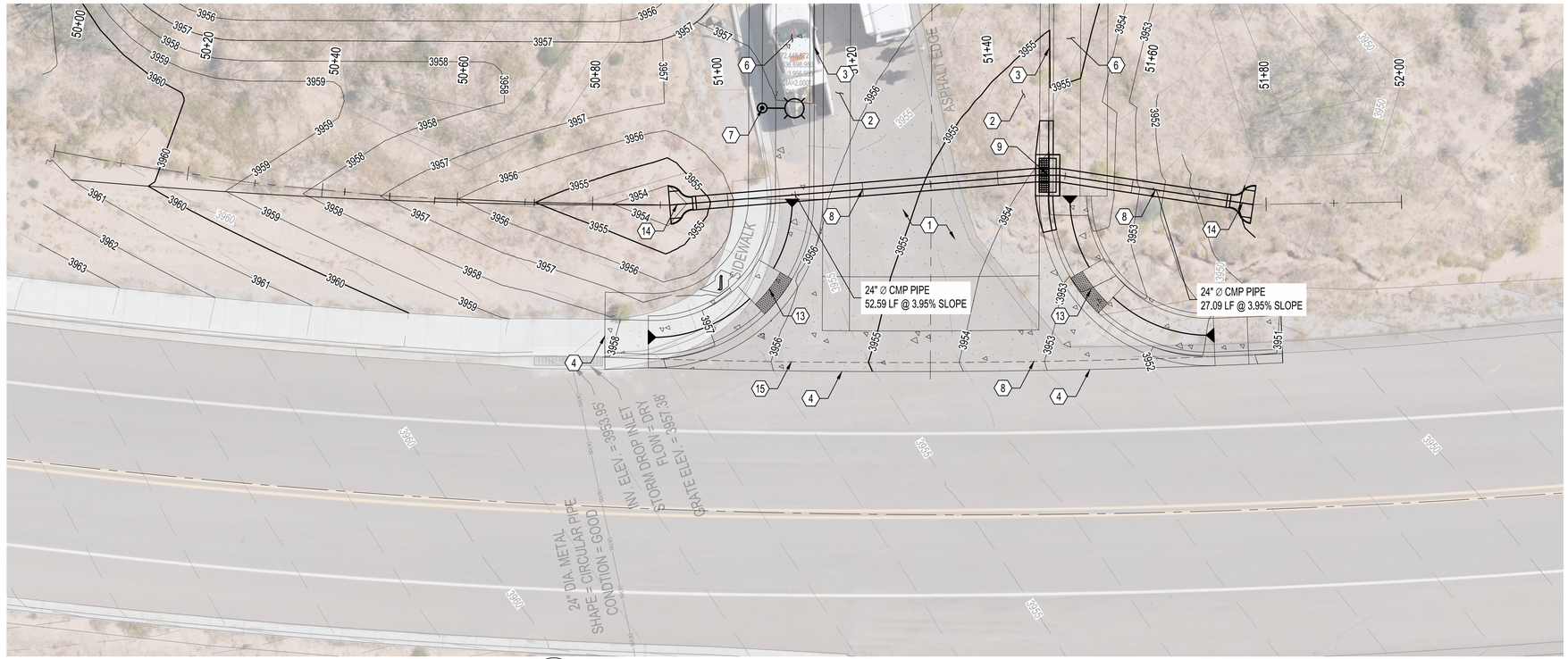
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GADSDEN CAMPUS ENTRANCE ROAD
ELECTRICAL PHOTOS

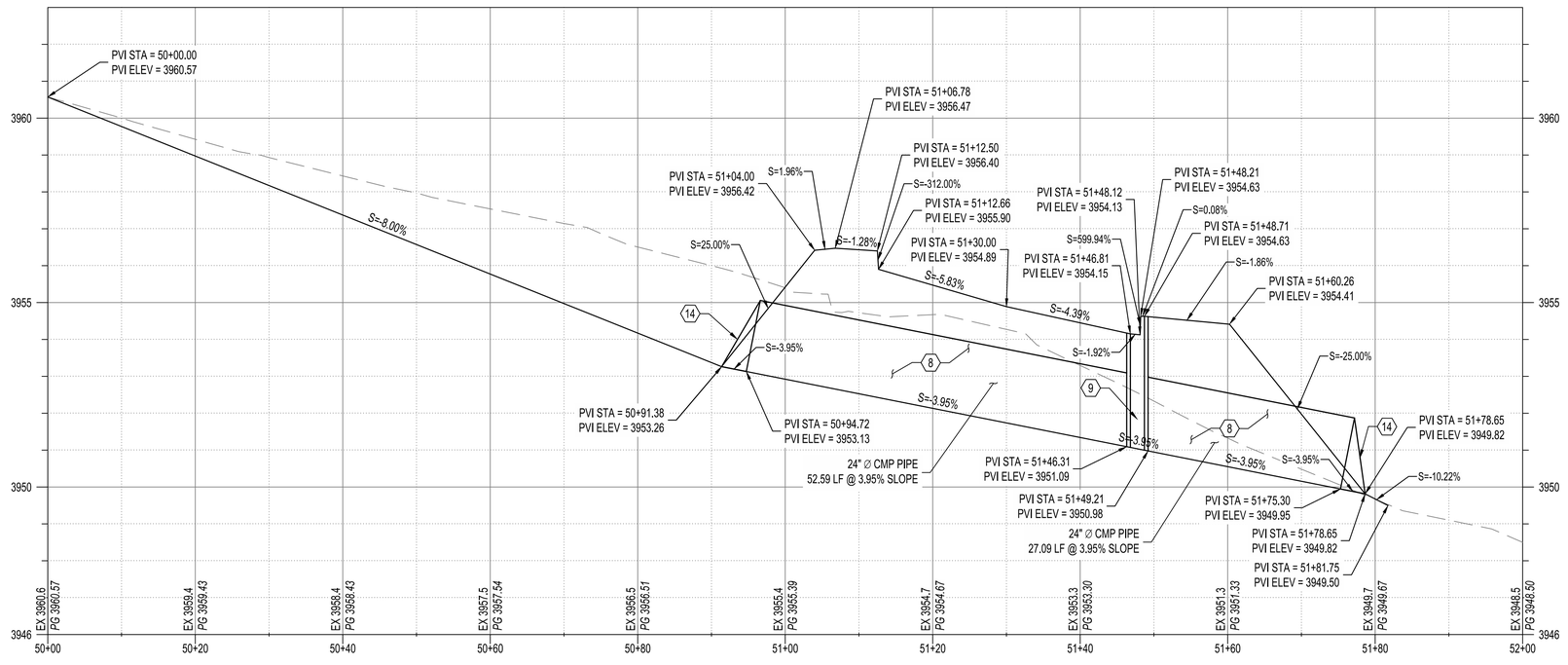
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20260232	8-7	28	51

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1 CULVERT PLAN VIEW - STA: 50+00 - 51+90

SCALE:1" = 10' HORIZONTAL



1 CULVERT PROFILE VIEW - STA: 50+00 - 51+90

SCALE:1" = 2' HORIZONTAL

CONSTRUCTION KEY NOTES

1. BUILD ROADWAY SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
2. BUILD 4' WIDE SHOULDER, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
3. BUILD 6" X 24" TYPE B CURB AND GUTTER.
4. MATCH EXISTING GRADE.
5. BUILD 8' WIDE SWALE, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
6. BUILD 5' WIDE SIDEWALK, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
7. INSTALL LIGHT FIXTURES, SEE SECTION 8 FOR NOTES & DETAILS.
8. INSTALL 24" DIAMETER CMP CULVERT, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
9. INSTALL (1) CURB DROP INLET TYPE **I** - B. SEE NMDOT STANDARD DRAWING 623-14-1/3, 623-14-2/3, & 623-14-3/3.
10. INSTALL (1) TRANSVERSE DROP INLET TYPE IV. SEE NMDOT STANDARD DRAWING 623-10-1/5, 623-10-2/5, 623-10-3/5, 623-10-4/5, & 623-10-5/5.
11. INSTALL (1) MODIFIED MEDIAN DROP INLET, TYPE **I** (VALLEY/ RURAL). SEE NMDOT STANDARD DRAWING 623-04-1/1.
12. INSTALL 16' DRIVEPAD ENTRANCE TO POND PER NMDOT SECTION 608 (SEE SERIES 12) AND MISCELLANEOUS DETAILS (SEE SHEET 2-5).
13. INSTALL ADA CURB RAMP WITH DETECTABLE WARNING SURFACE PER NMDOT SECTION 608 (SEE SERIES 12) AND INTERSECTION DRAWINGS (SEE SHEET 3-5 - 3-6).
14. INSTALL 24" DIAMETER CMP CULVERT END SECTIONS, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
15. INSTALL 6' PAVING CONCRETE VALLEY GUTTER. SEE SECTION 12, NM APWA DETAIL, DWG. 2420.

ENGINEER'S SEAL

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04/16/2026

10 5 0 10
1" = 10'

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

REVISIONS

NO.	DATE

DESIGN

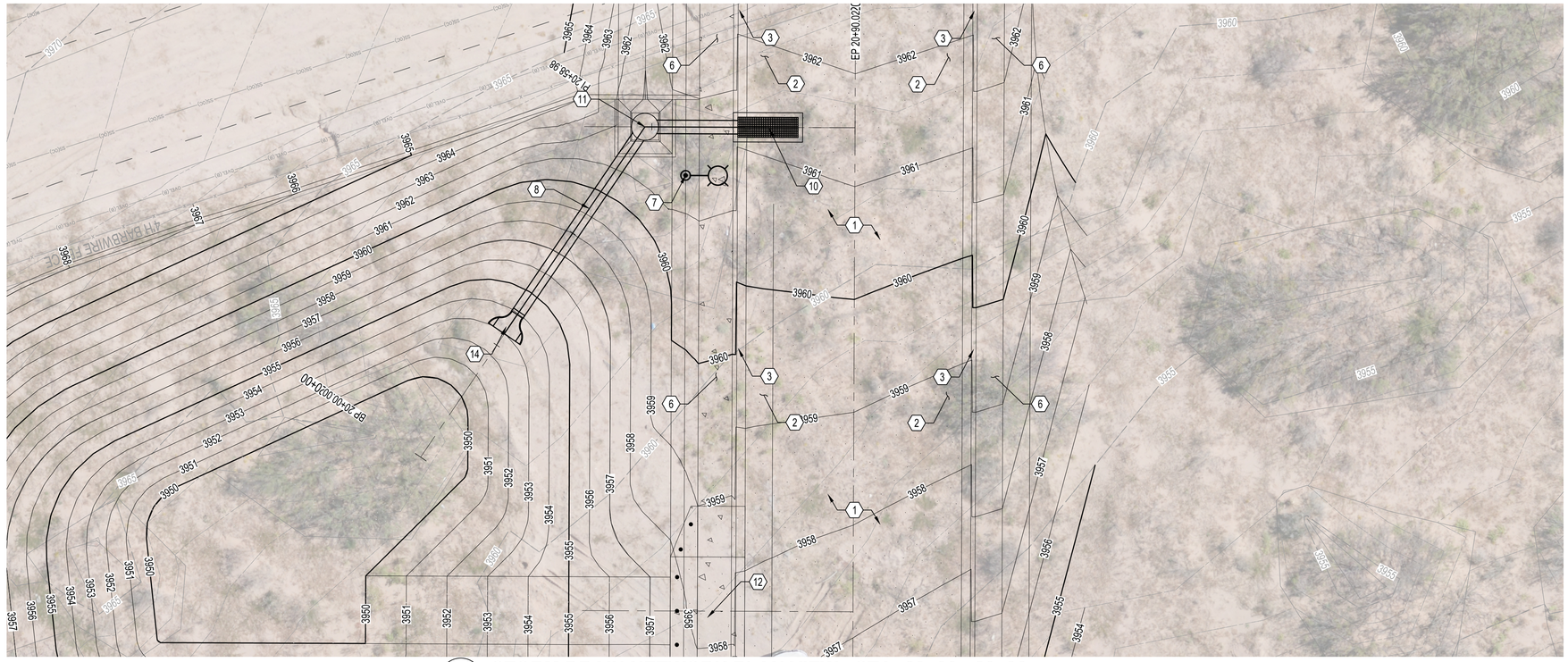
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GADSDEN CAMPUS ENTRANCE ROAD
CULVERT PLAN VIEW

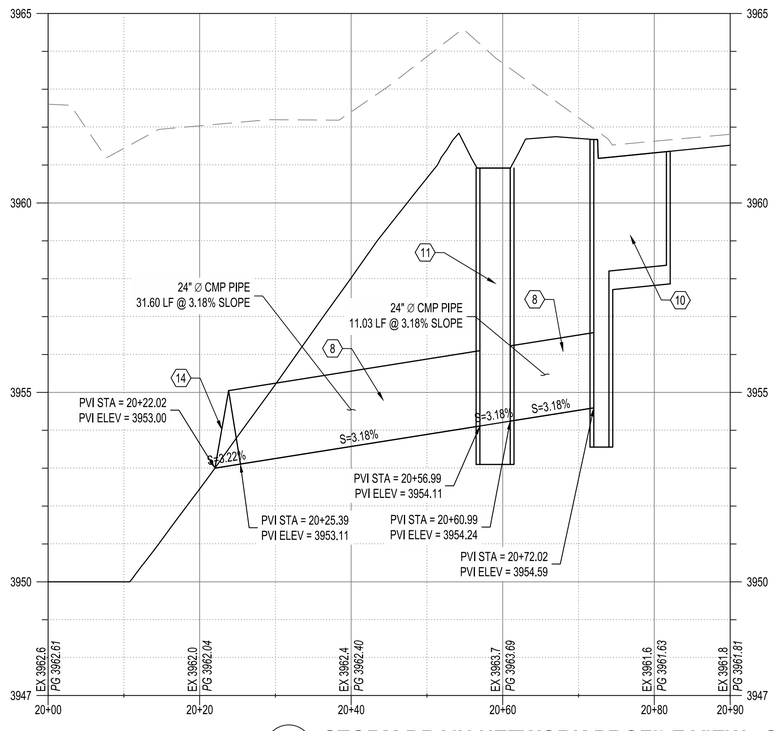
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20260232	10-1	28	51

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1 STORM DRAIN NETWORK PLAN VIEW - STA: 20+00 - 20+90

SCALE:1" = 10' HORIZONTAL



1 STORM DRAIN NETWORK PROFILE VIEW - STA: 20+00 - 20+90

SCALE:1" = 2' VERTICAL

CONSTRUCTION KEY NOTES

1. BUILD ROADWAY SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
2. BUILD 4' WIDE SHOULDER, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
3. BUILD 6" X 24" TYPE B CURB AND GUTTER.
4. MATCH EXISTING GRADE.
5. BUILD 8' WIDE SWALE, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
6. BUILD 5' WIDE SIDEWALK, SEE TYPICAL SECTION 1, SHEET 2-1 (5 OF 35).
7. INSTALL LIGHT FIXTURES, SEE SECTION 8 FOR NOTES & DETAILS.
8. INSTALL 24" DIAMETER CMP CULVERT, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
9. INSTALL (1) CURB DROP INLET TYPE I - B. SEE NMDOT STANDARD DRAWING 623-14-1/3, 623-14-2/3, & 623-14-3/3.
10. INSTALL (1) TRANSVERSE DROP INLET TYPE IV. SEE NMDOT STANDARD DRAWING 623-10-1/5, 623-10-2/5, 623-10-3/5, 623-10-4/5, & 623-10-5/5.
11. INSTALL (1) MODIFIED MEDIAN DROP INLET, TYPE I (VALLEY/ RURAL). SEE NMDOT STANDARD DRAWING 623-04-1/1.
12. INSTALL 16' DRIVEPAD ENTRANCE TO POND PER NMDOT SECTION 608 (SEE SERIES 12) AND MISCELLANEOUS DETAILS (SEE SHEET 2-5).
13. INSTALL ADA CURB RAMP WITH DETECTABLE WARNING SURFACE PER NMDOT SECTION 608 (SEE SERIES 12) AND INTERSECTION DRAWINGS (SEE SHEET 3-5 - 3-6).
14. INSTALL 24" DIAMETER CMP CULVERT END SECTIONS, SEE SECTION 10 FOR PLAN AND PROFILE. SEE SECTION 12 FOR NMDOT DETAILS.
15. INSTALL 6' PAVING CONCRETE VALLEY GUTTER. SEE SECTION 12, NM APWA DETAIL, DWG. 2420.

ENGINEER'S SEAL

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10 5 0 10
1" = 10'

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

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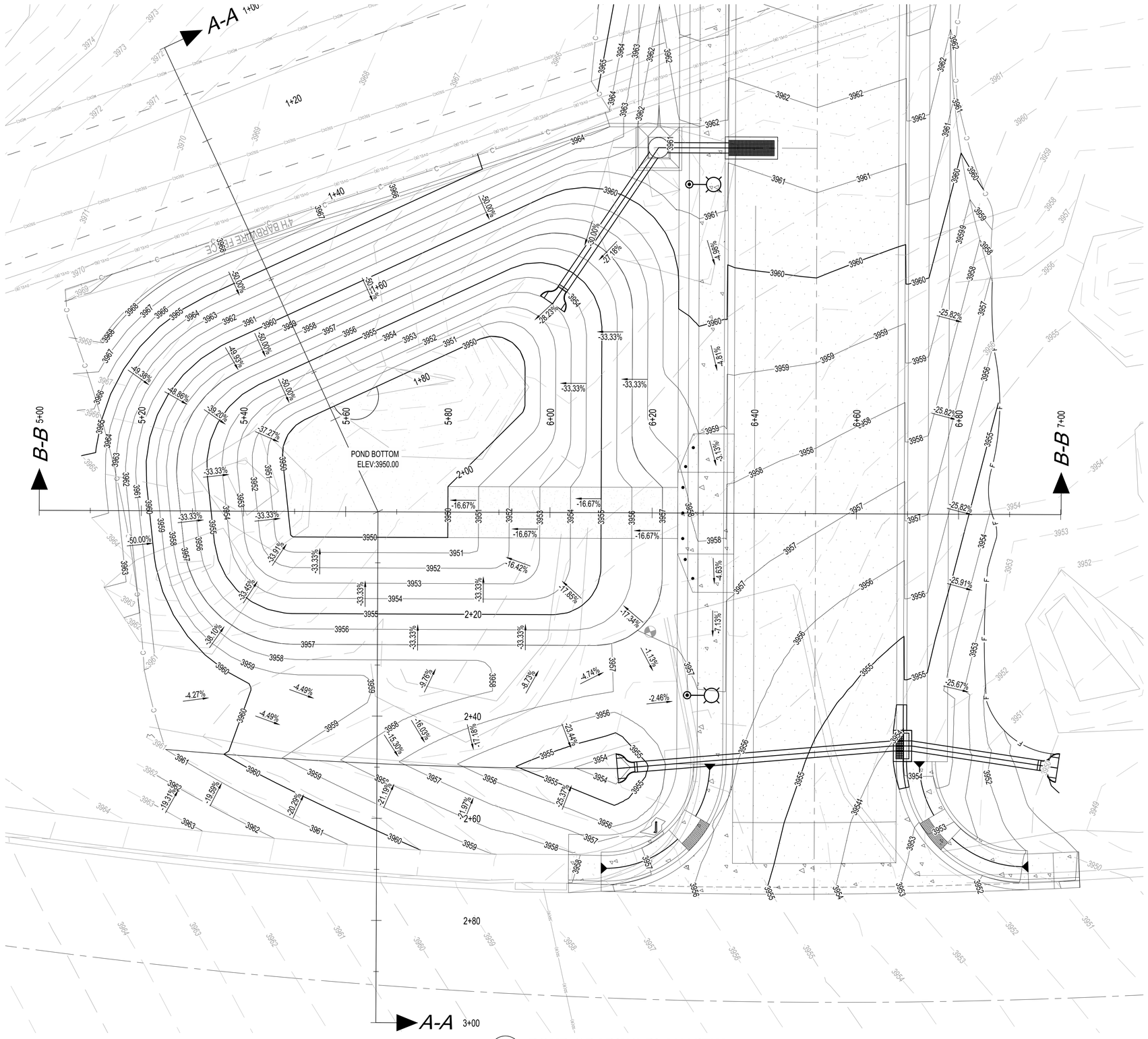
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GADSDEN CAMPUS ENTRANCE ROAD
CULVERT PLAN VIEW

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	10-2	29	51

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1 **POND GRADING PLAN VIEW**
SCALE:1" = 10' HORIZONTAL

XX CONSTRUCTION KEY NOTES

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

10 5 0 10
1" = 10'

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'

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REVISIONS

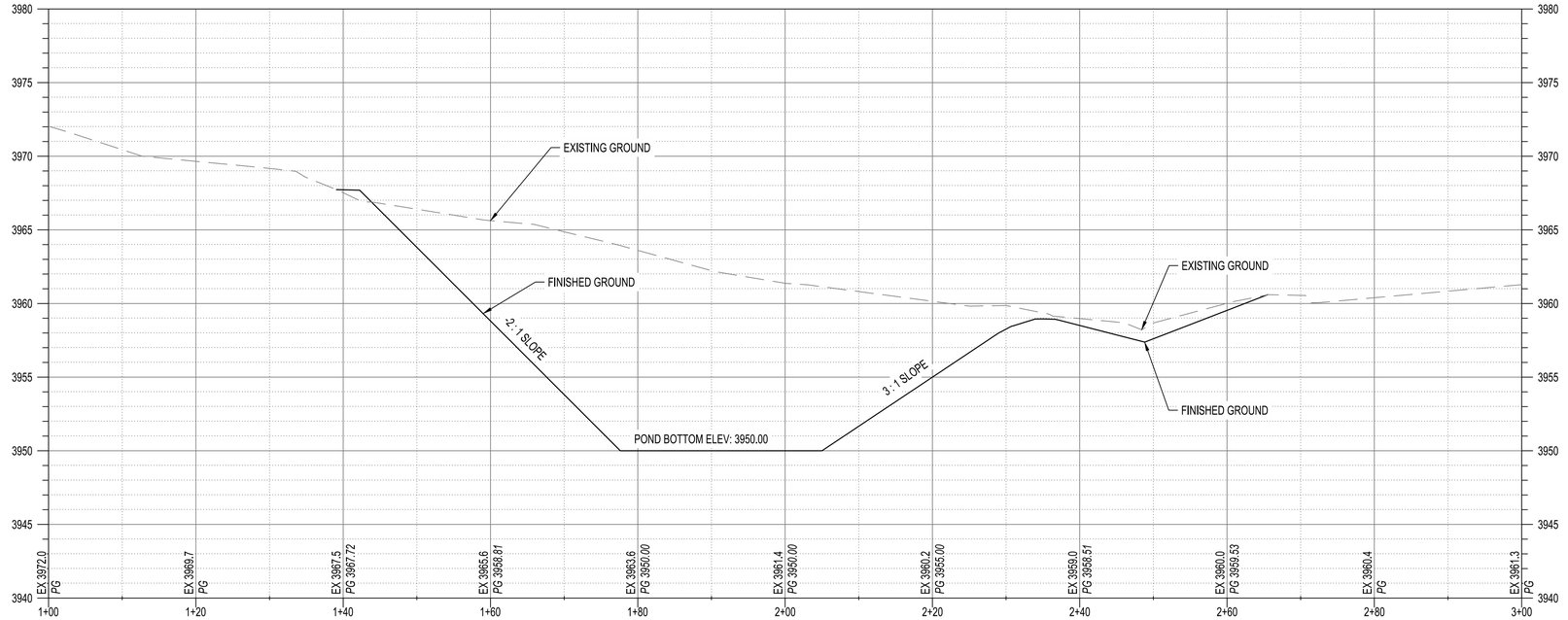
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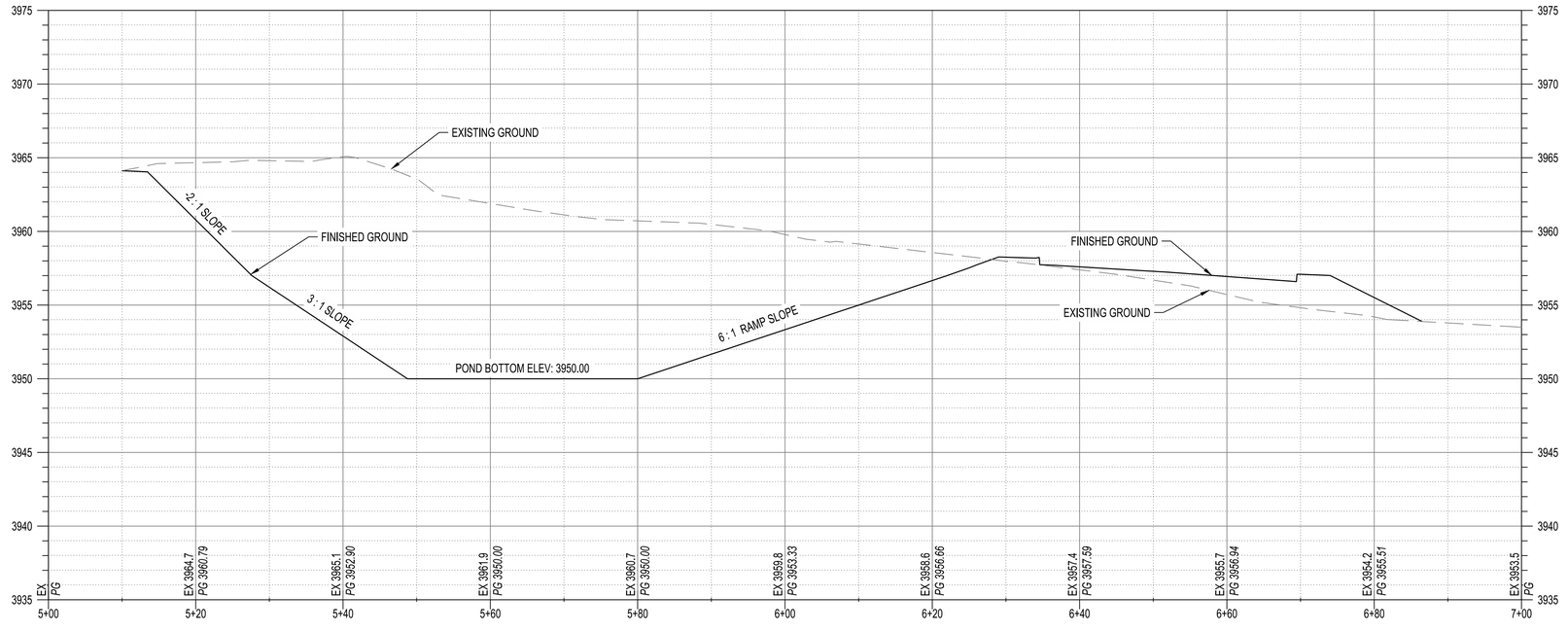
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GADSDEN CAMPUS ENTRANCE ROAD
POND GRADING SHEET

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	10-3	30	51

Thu, 16-Apr-2026 - 1:35:pm, Plotted by: ARAMSEY
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1 CROSS SECTION A - A
SCALE:1" = 10' HORIZONTAL
1" = 5' VERTICAL



2 CROSS SECTION B - B
SCALE:1" = 10' HORIZONTAL
1" = 5' VERTICAL

ENGINEER'S SEAL

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04/16/2026

REVISIONS

NO.	DATE

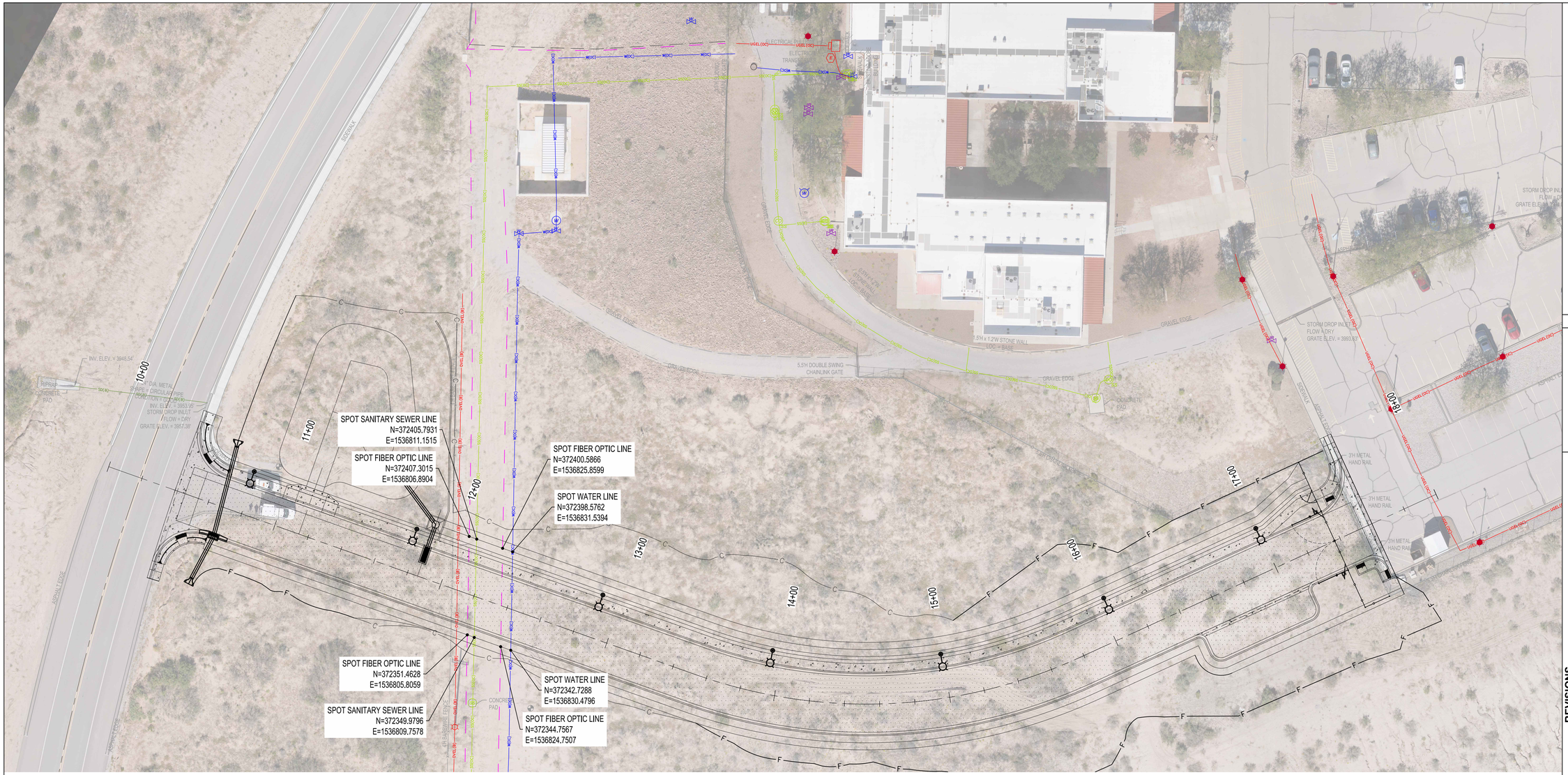
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GADSDEN CAMPUS ENTRANCE ROAD
POND CROSS SECTIONS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	10-4	31	51

Thu, 16-Apr-2026 - 1:35:pm, Plotted by: ARAMSEY
P:\20260232\LC\Plan Production\Drawings\SERIES 10\20260232_POND.dwg



Legend

Existing Surveyed Features

- UGEL(OC) — ELECTRICAL LINE UNDERGROUND SUE ONE CALL DESIGNATION
- OVEL(B) — ELECTRICAL LINE OVERHEAD SUE LEVEL B
- UGEL(B) — ELECTRICAL LINE UNDERGROUND SUE LEVEL B
- ELECTRICAL PULL BOX
- ELECTRICAL TRANSFORMER
- E — ELECTRICAL METER
- ELECTRICAL POLE
- IRRIGATION VALVE
- LIGHTING POLE
- SS(OC) — SANITARY SEWER LINE SUE ONE CALL DESIGNATION
- SS(B) — SANITARY SEWER LINE SUE LEVEL B
- CO SS — SANITARY SEWER CLEANOUT
- SS — SANITARY SEWER MANHOLE
- SD(B) — STORM DRAIN LINE SUE LEVEL B
- W(OC) — WATER LINE SUE ONE CALL DESIGNATION
- W — WATER HYDRANT
- W — WATER MANHOLE
- WATER VALVE

1 UTILITY LOCATION PLAN VIEW - STA: 10+40 - 17+61.07

SCALE:1" = 30' HORIZONTAL

N

Thu, 16-Apr-2026 - 1:35:pm, Plotted by: ARAMSEY
P:\20260232\LC\Plan Production\Drawings\SERIES 11\20260232_EX_UTIL.dwg

ENGINEER'S SEAL

95% NOT FOR CONSTRUCTION
04/16/2026

REVISIONS

NO.	DATE

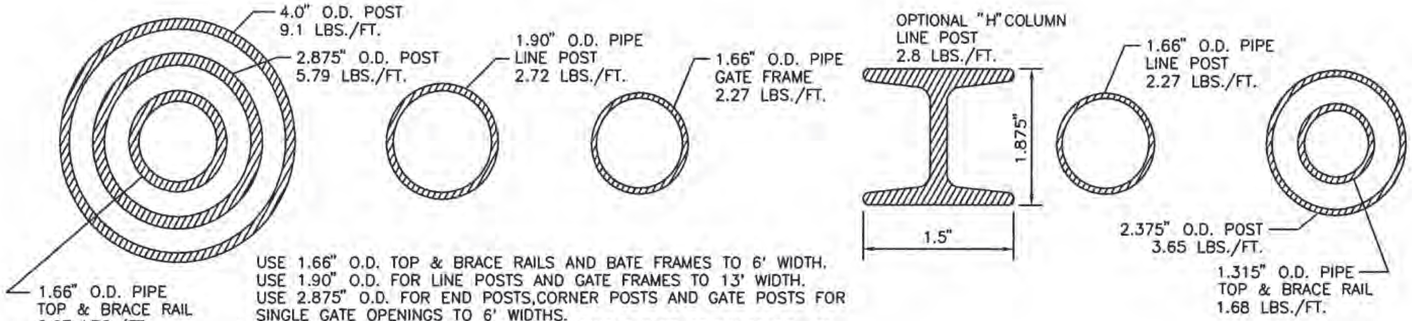
DESIGN

DESIGNED BY | CHECKED BY | DRAWN BY

Bohannan Huston
www.bhinc.com 800.877.5332

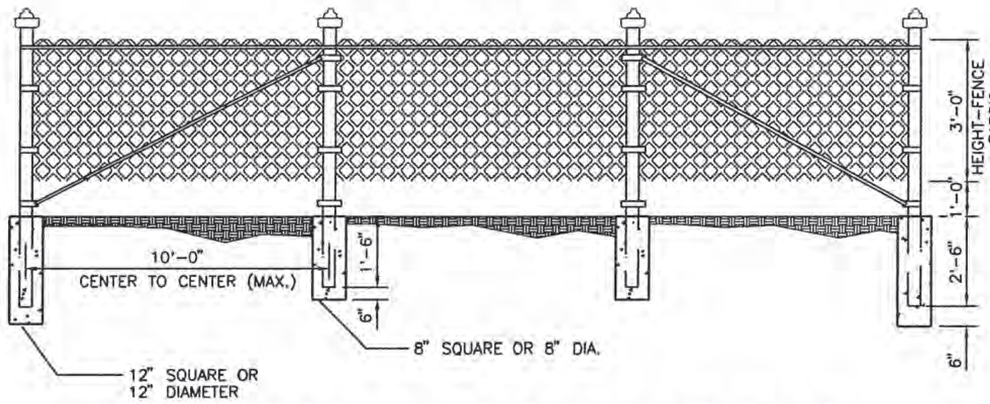
NEW MEXICO STATE UNIVERSITY
GADSDEN CAMPUS ENTRANCE ROAD
EXISTING UTILITIES

BHI PROJECT NO.	DWG NO.	SHEET	OF
20260232	11-1	32	51



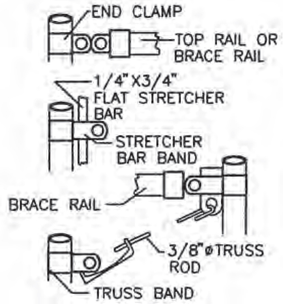
GENERAL NOTES

1. TUBLAR POSTS, BRACES AND TOP RAILS SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION F 1083.
2. CHAIN LINK FABRIC SHALL CONFORM TO AASHTO DESIGNATION M-181.
3. ALL CONCRETE TO BE CLASS "A".
4. KNUCKLED SALVAGE SHALL BE USED.
5. DIAMETER (O.D.) SHOWN HEREON ARE NOMINAL SIZES AS ESTABLISHED BY THE AMERICAN STANDARDS ASSOCIATION.

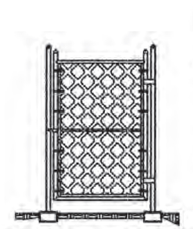


CHAIN LINK 4' ACCESS CONTROL FENCE

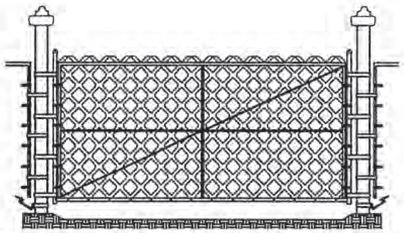
TOP RAIL USE 1.315" O.D.
FOR LINE POSTS USE 1.66" O.D.
FOR END POSTS USE 2.375" O.D.



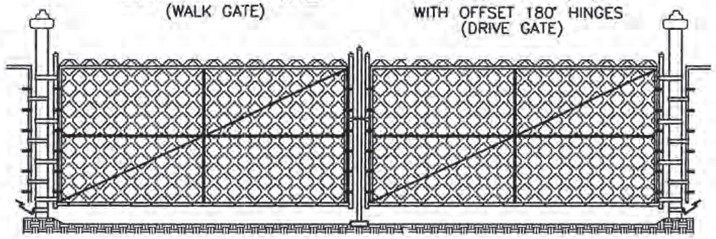
END AND GATE POST CONNECTIONS



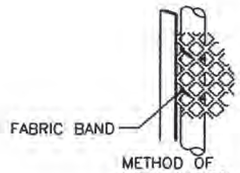
SINGLE GATE
(WALK GATE)



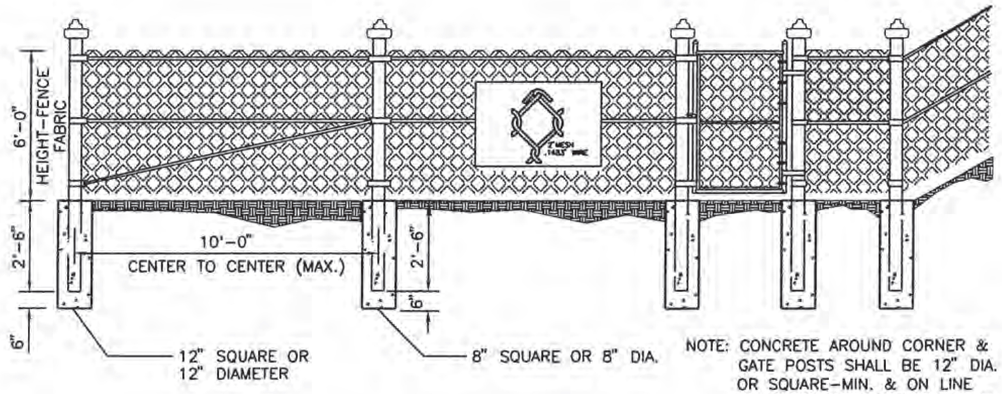
SINGLE GATE
WITH OFFSET 180° HINGES
(DRIVE GATE)



DOUBLE GATE
WITH OFFSET 180° HINGES
(DRIVE GATE)

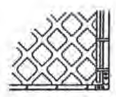


METHOD OF TYING FABRIC TO LINE POST

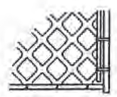


NOTE: CONCRETE AROUND CORNER & GATE POSTS SHALL BE 12" DIA. OR SQUARE-MIN. & ON LINE POSTS 8" DIA. OR SQUARE MIN.

6' CHAIN LINK FENCE WITH GATE

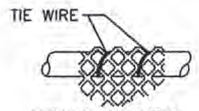


FITTED GATE CORNER



WELDED GATE CORNER

OPTIONAL GATE CORNER TYPES



METHOD OF TYING FABRIC TO TOP & BRACE RAILS AND LINE POSTS

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

STANDARD CHAIN LINK FENCES AND GATES

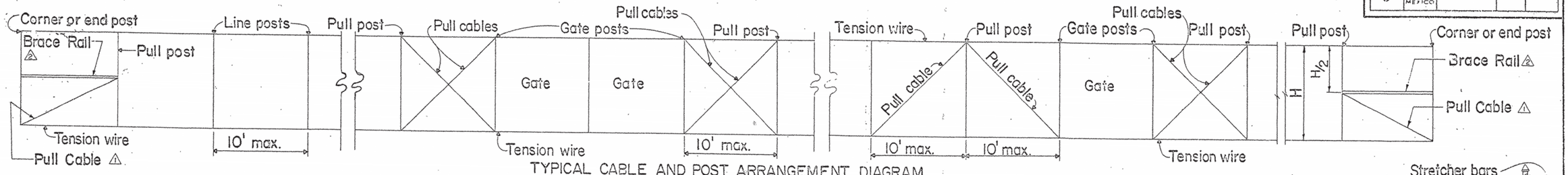
APPROVED _____ DESIGN ENGINEER 11/23/04 DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

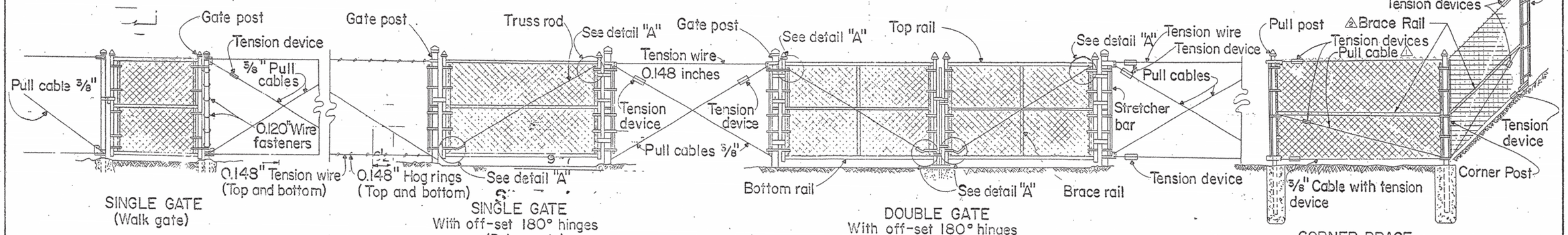
607-04-1/1 SHEET 1 OF 1

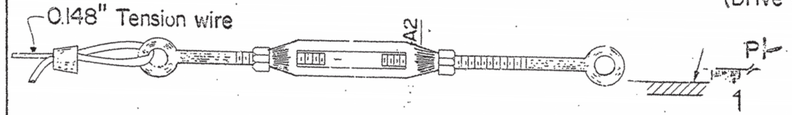
DWG NO.	SHEET	OF
12-1	33	51

FHWA Region No.	STATE		SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

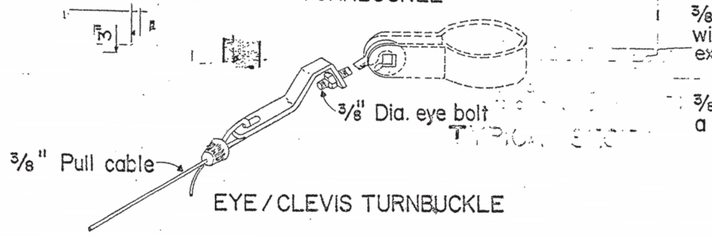


TYPICAL CABLE AND POST ARRANGEMENT DIAGRAM

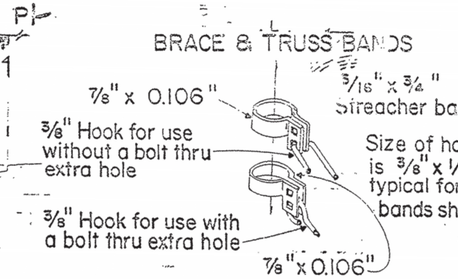




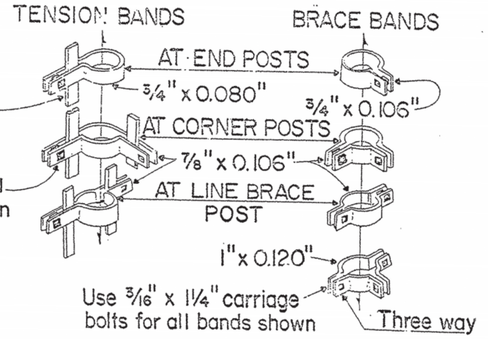
3/8" EYE & EYE/TURNBUCKLE

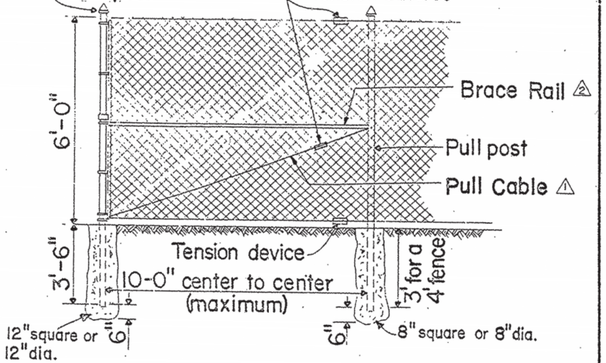


EYE/CLEVIS TURNBUCKLE



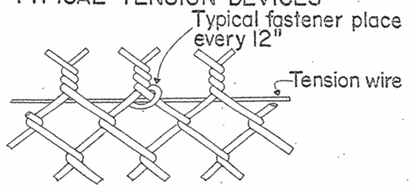
Note: BANDS TO BE RECTANGULAR FOR H-BEAM POSTS.



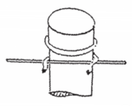


FOOTING DETAIL FOR 4' & 6' FENCE

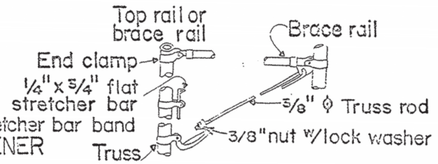
TYPICAL TENSION DEVICES



FABRIC & TENSION WIRE DETAIL (TOP AND BOTTOM)



0.148" WIRE FASTENER (TOP AND BOTTOM OF POST)



DETAIL "A" GATES

GATES CHAIN LINK — TUBULAR

SINGLE	DOUBLE	SIZE	LBS./FT.	POST DEPTH	DESCRIPTION
		1¼" O.D.	2.27 lbs/ft		Top and brace rails and gate frames to 6' width
		1½" O.D.	2.72 lbs/ft		Gate frames to 13' width
Up to 6'		2½" O.D.	5.79 lbs/ft	3'-0"	Gate posts for single gate openings to 6' width
Up to 6'	Up to 12'	3" O.D.	7.58 lbs/ft	3'-0"	Gate posts for single and double gate openings
Up to 6'	Up to 12'	3½" O.D.	9.10 lbs/ft	3'-0"	Gate posts for single and double gate openings
Over 6' to 13'	Over 12' to 26'	4" O.D.	10.29 lbs/ft	3'-0"	Gate posts for single and double gate openings
Over 13' to 18'	Over 26' to 36'	6 5/8" O.D.	19.95 lbs/ft	3'-6"	Gate posts for single and double gate openings
Over 18'	Over 36'	8 5/8" O.D.	23.61 lbs/ft	4'-0"	Gate posts for single and double gate openings

CHAIN LINK FENCE — TUBULAR

SIZE	DEC. EQUIV.	LBS/FT.		DESCRIPTION
1¼	1.660 O.D.	2.27		Top and brace rails
1½	1.900 O.D.	2.72		Line posts
2½	2.875 O.D.	5.79		End and corner posts
3	3.500 O.D.	7.58		End and corner posts
3½	4.000 O.D.	9.11		End and corner posts
H	1.875"x1.625"	2.72		Line posts

No.	DESCRIPTION	DATE	BY
2	ADDED BRACE RAIL, SERIAL Nº	3-30-81	AJS
1	LOCATION OF PULL CABLE	3-30-81	AJS

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE HIGHWAY DEPARTMENT

CABLE AND POST CHAIN LINK FENCE

LAYOUT AND UP DATE BY: R.D.R.
DRAFTED BY: F.R.B.
CHECKED BY: A.R. Jr.

APPROVAL RECOMMENDED - HWY DESIGN ENGINEER Emilio D. Duran 10-4-79 DATE

APPROVED DIRECTOR PROJ. DEVELOPMENT DIVISION Will Sams 10-9-79 DATE

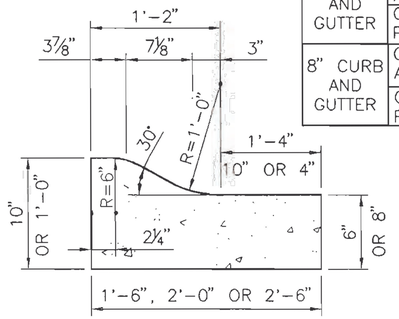
⚠ SERIAL BCL-001-02

THIS SERIAL REVISED: 3-30-81

Sheet 607-08

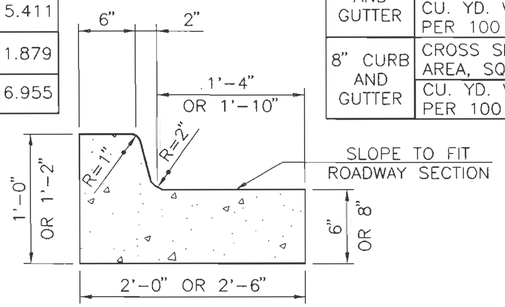
DWG NO.	SHEET	OF
12-2	34	51

		1'–6"	2'–0"	2'–6"
6" CURB AND GUTTER	CROSS SECTION AREA, SQ. FT.	0.961	1.211	1.461
	CU. YD. VOLUME PER 100 LIN. FT.	3.559	4.485	5.411
8" CURB AND GUTTER	CROSS SECTION AREA, SQ. FT.	1.211	1.544	1.879
	CU. YD. VOLUME PER 100 LIN. FT.	4.485	5.719	6.955



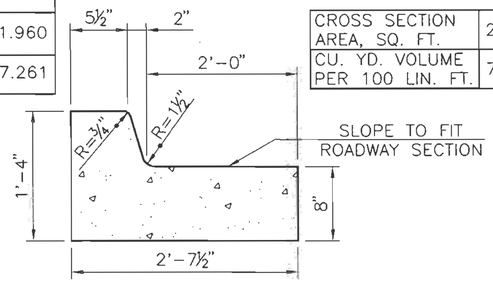
CONCRETE MOUNTABLE CURB AND GUTTER TYPE "A"

		2'–0"	2'–6"
6" CURB AND GUTTER	CROSS SECTION AREA, SQ. FT.	1.294	1.544
	CU. YD. VOLUME PER 100 LIN. FT.	4.791	5.717
8" CURB AND GUTTER	CROSS SECTION AREA, SQ. FT.	1.627	1.960
	CU. YD. VOLUME PER 100 LIN. FT.	6.026	7.261



CONCRETE BARRIER CURB AND GUTTER TYPE "B"

CROSS SECTION AREA, SQ. FT.	2.113
CU. YD. VOLUME PER 100 LIN. FT.	7.824

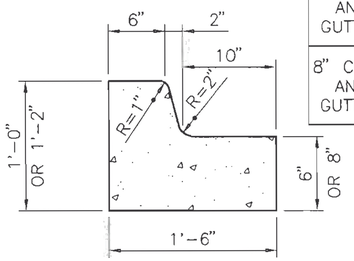


CONCRETE BARRIER CURB AND GUTTER TYPE "C"

GENERAL NOTES

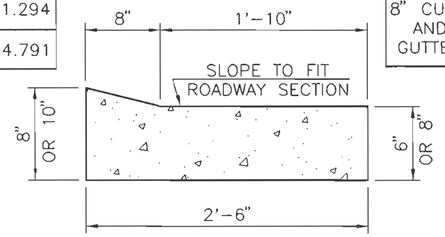
1. CONCRETE SHALL BE STRUCTURAL CONCRETE CLASS "A."
2. END OF DAYS POUR, 30 MINUTE INTERRUPTIONS, COLD JOINTS AND DROP INLETS SHALL DETERMINE THE LOCATION OF A CONSTRUCTION JOINT AND A 3/4" PREMOLDED BITUMINOUS JOINT IS REQUIRED.
3. PLACE TRANSVERSE CONTRACTION JOINTS AT 5'–0" INTERVALS AND AT THE END OF RADIUS POINTS OR ISLAND NOSES.
4. BED COURSE MATERIAL ON WHICH SIDEWALK IS TO BE PLACED SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T 99, METHOD C.
5. EXCAVATION AND PREMOLDED BITUMINOUS EXPANSION JOINTS TO BE INCLUDED IN THE UNIT PRICE BID FOR SIDEWALKS.
6. THE SILICONE SEALED JOINTS SHALL BE SEALED IN ACCORDANCE WITH SECTION 452 OF THE STANDARD SPECIFICATIONS.
7. FOR SLIP–FORMED CURB AND GUTTER, FURNISH 1" SEALED EXPANSION JOINTS AT 90' INTERVALS, AND TRANSVERSE CONSTRUCTION JOINTS AT 5' INTERVALS.
8. FOR SIDEWALKS AND NON–SLIP FORMED CURB AND GUTTER, FURNISH 3/4" SEALED EXPANSION JOINTS AT 30' INTERVALS, AND TRANSVERSE CONTRACTION JOINTS AT 5' INTERVALS.

CROSS SECTION AREA, SQ. FT.	1.044
CU. YD. VOLUME PER 100 LIN. FT.	3.866
CROSS SECTION AREA, SQ. FT.	1.294
CU. YD. VOLUME PER 100 LIN. FT.	4.791



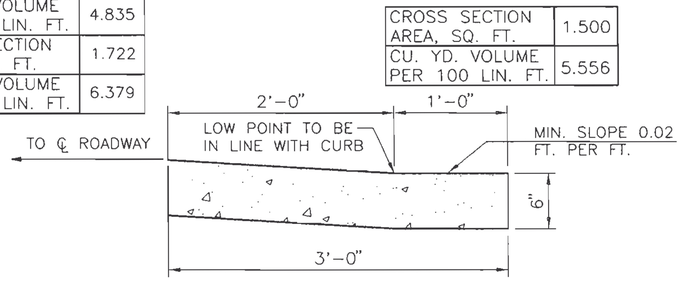
CONCRETE BARRIER CURB AND GUTTER TYPE "D"

CROSS SECTION AREA, SQ. FT.	1.306
CU. YD. VOLUME PER 100 LIN. FT.	4.835
CROSS SECTION AREA, SQ. FT.	1.722
CU. YD. VOLUME PER 100 LIN. FT.	6.379

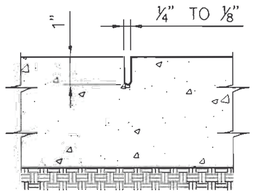


CONCRETE LAYDOWN CURB TYPE "E"

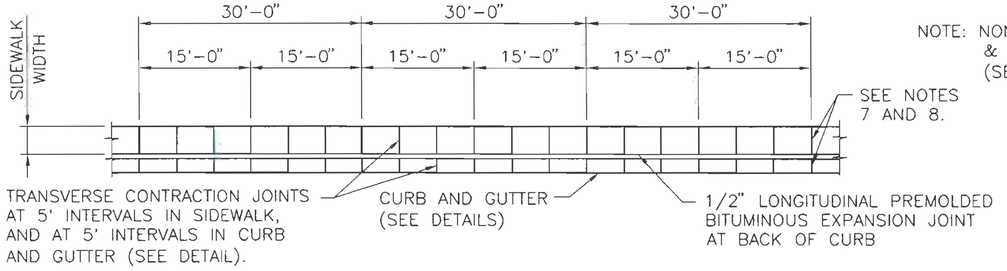
CROSS SECTION AREA, SQ. FT.	1.500
CU. YD. VOLUME PER 100 LIN. FT.	5.556



CONCRETE VALLEY GUTTER

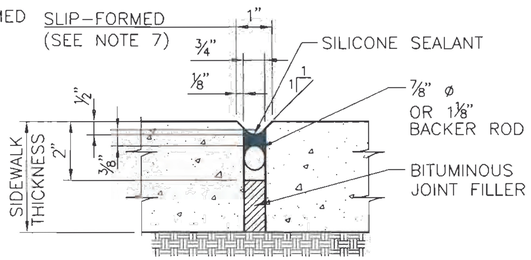


TRANSVERSE CONTRACTION JOINT

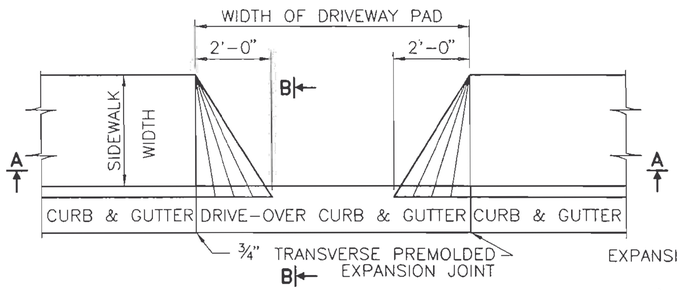


PLAN CURB AND GUTTER AND SIDEWALK

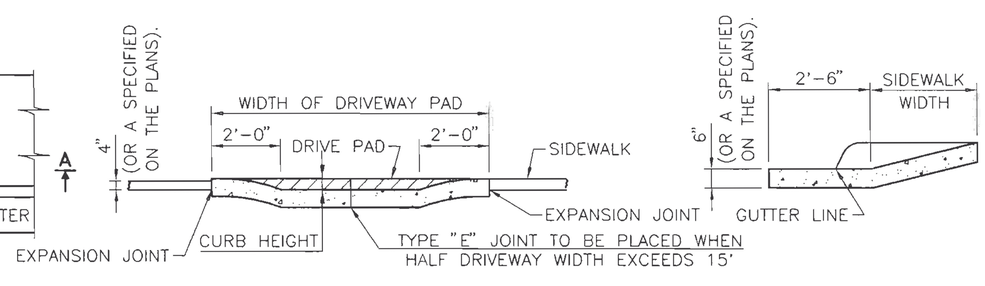
NOTE: NON–SLIP FORMED & SIDEWALKS (SEE NOTE 8)



SEALED EXPANSION JOINT



PLAN DRIVE PAD



1 SECTION A–A

SECTION B–B

RAY M. TRUJILLO NEW MEXICO 10314 REGISTERED PROFESSIONAL ENGINEER 11/16/09

NO.	DATE	REV.BY	DESCRIPTION
1	9/9/09	YML	ADDED DETAILS

REVISIONS (OR CHANGE NOTICES)

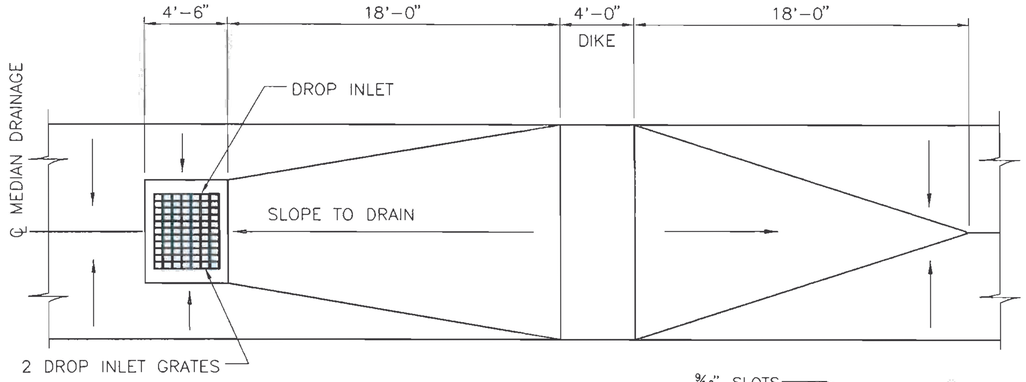
NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

SIDEWALK
CURB AND GUTTER

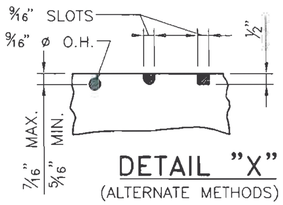
DESIGNED BY ____ DRAWN BY SKL CHECKED BY YML

609–01–1/1 1 of 1

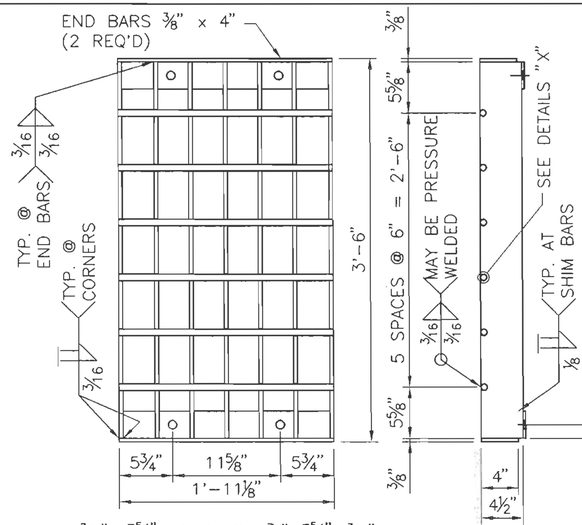
DWG NO.	SHEET	OF
12-3	35	51

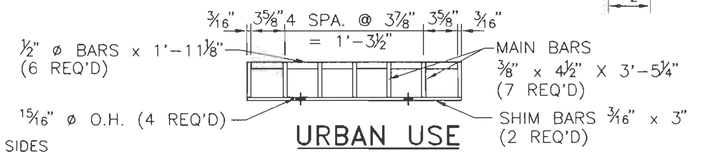


PART PLAN

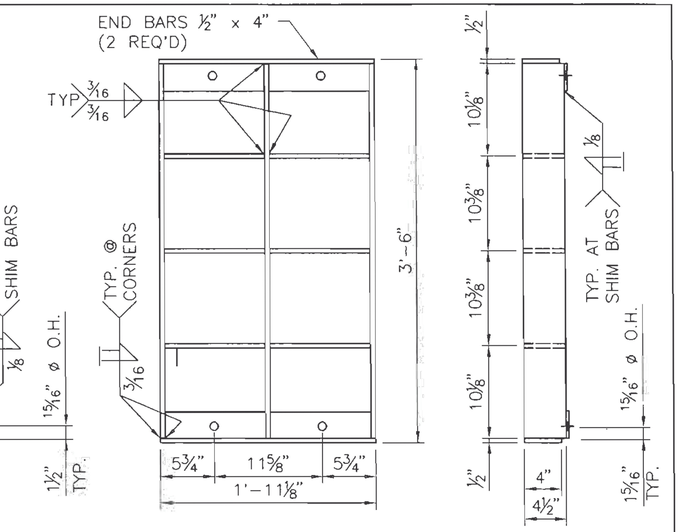


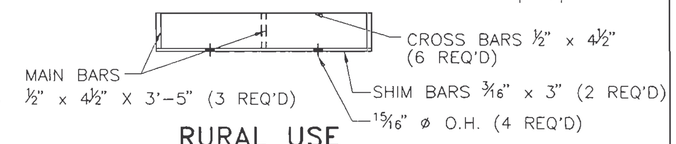
DETAIL "X"
(ALTERNATE METHODS)



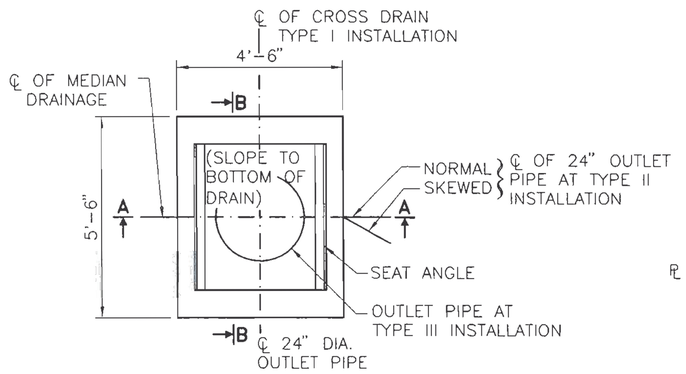


URBAN USE
2 GRATES REQUIRED PER DROP INLET

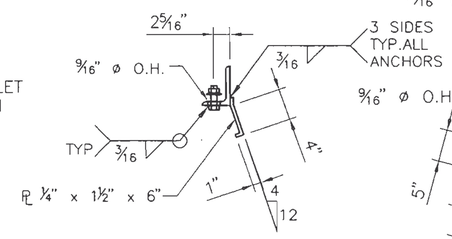




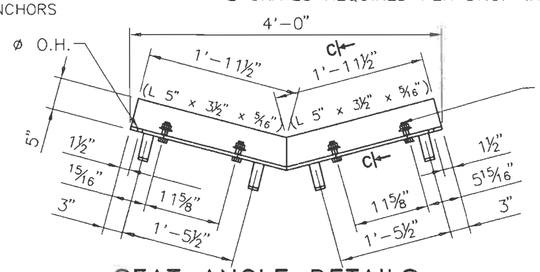
RURAL USE
2 GRATES REQUIRED PER DROP INLET



PLAN

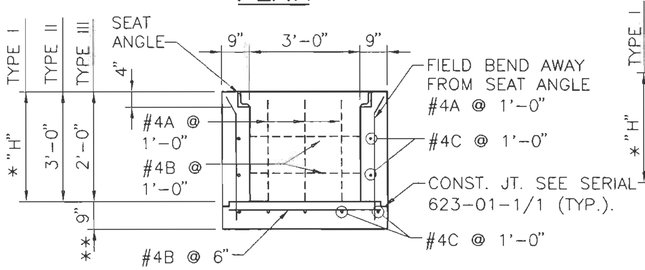


SECTION C–C

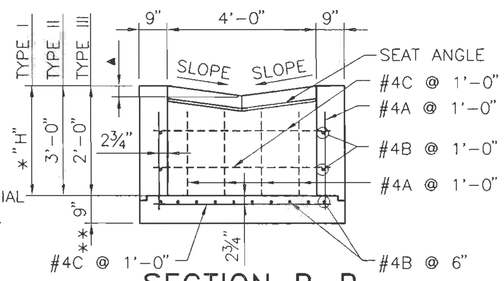


5/8" ø x 2 1/2" LONG M.B. w/ NUT & WASHER. (TO SECURE GRATE IN PLACE)

SEAT ANGLE DETAILS
2 REQUIRED PER DROP INLET



SECTION A–A



SECTION B–B

* "H" = DIA. OF PIPE + 1'-0" MINIMUM, AND 15'-0" MAXIMUM.

▲ DIMENSIONS DEPEND ON SLOPE. SEE TABLE FOR DATA.

** AVERAGE BOTTOM THICKNESS USE 8 1/2" AT OUTLET AND 9 1/2" AT HIGH SIDE.

NOTE: SEE ROADWAY PLANS FOR SLOPE INFORMATION. WHEN SLOPES ARE NOT SYMMETRICAL, THE SLOPE OF THE DROP INLET AND THE SEAT ANGLES MAY BE CONSTRUCTED TO MATCH THE DIFFERENT SLOPE. ONE HALF OF THE CONCRETE QUANTITY SHOWN FOR EACH OF THE APPROPRIATE SLOPES SHALL BE USED TO ADJUST CONCRETE QUANTITIES.

GRATING DETAILS

NOTE: THE STANDARD GRATING DETAIL SHALL BE USED IN ALL CASES UNLESS CALLED OUT ON THE PLANS.

NOTE: MEDIAN DROP INLETS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE UNIT PRICE BID PER EACH.

NOTE: SERIAL 623-01-1/1, 623-02-1/1 AND 623-03-1/1 MUST ACCOMPANY THIS SHEET.

ESTIMATED QUANTITIES
(FOR CONTRACTOR'S INFORMATION ONLY, NOT A BID ITEM)

REQUIRED SLOPE	▲	ADD'L CONCRETE	ADD'L REBAR
3:1 SLOPE	11"	0.32 CU.YDS.	10 LBS.
4:1 SLOPE	8 1/2 "	0.24 CU.YDS.	10 LBS.
5:1 SLOPE	6 5/8 "	0.19 CU.YDS.	10 LBS.
6:1 SLOPE	5 1/2 "	0.16 CU.YDS.	10 LBS.
7:1 SLOPE	4 3/4 "	0.14 CU.YDS.	5 LBS.
8:1 SLOPE	4 1/8 "	0.12 CU.YDS.	5 LBS.
STRUCTURAL STEEL		380 LBS. (URBAN)	80 LBS. (RURAL)

NOTES:
1. LENGTH OF THE VERTICAL REINFORCING BARS SHALL BE INCREASED BY THE DIMENSION ▲ SHOWN AND FIELD CUT OR BENT AS REQUIRED TO FIT SLOPE.
2. PROVIDE 2 ADDITIONAL "C" BARS WHEN DIMENSION ▲ EXCEEDS 5 1/2".
3. STRUCTURAL STEEL QUANTITY SHOWN SHOULD BE USED IN LIEU OF THAT SHOWN ON SERIAL 623-01-1/1.



NO.	DATE	REV.BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

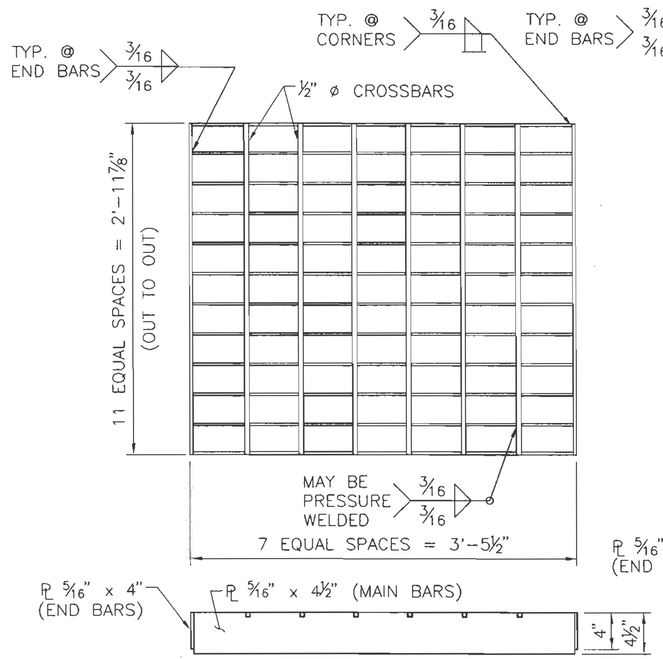
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

MEDIAN DROP INLET VALLEY TYPE MODIFICATION DETAILS TYPE I, TYPE II, TYPE III

DESIGNED BY____ DRAWN BY SKL CHECKED BY YML/TM

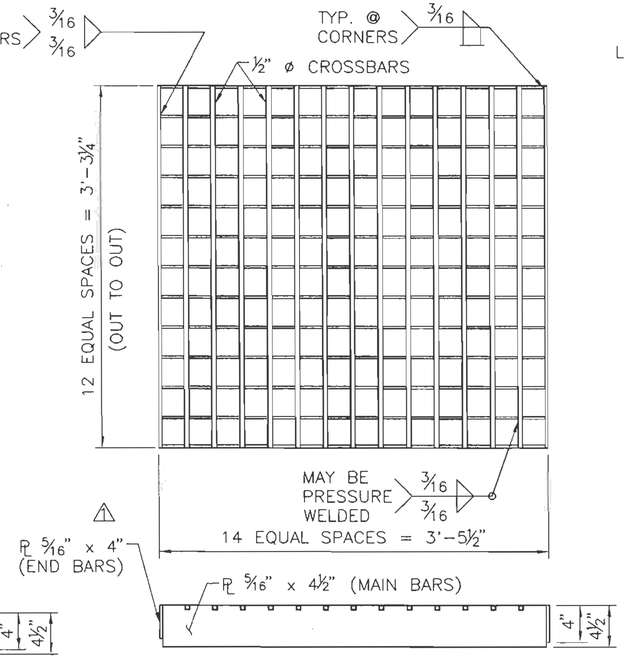
623-04-1/1 1 of 1

DWG NO.	SHEET	OF
12-4	36	51



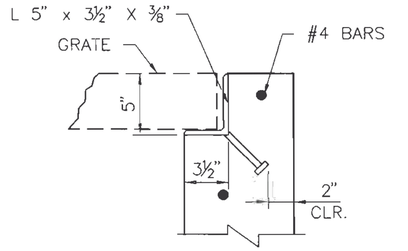
GRATINGS – TYPE "A" (AS REQ'D)

NOTE: ESTIMATED WEIGHT OF ONE GRATING TYPE "A" = 226 lbs.

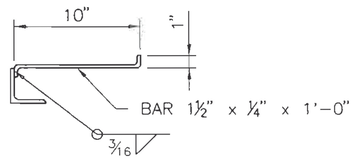


GRATINGS – TYPE "B" (ONE REQ'D AT CURB)

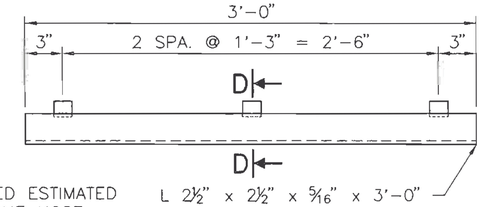
NOTE: ESTIMATED WEIGHT OF ONE GRATING TYPE "B" = 240 lbs.



SECTION C–C

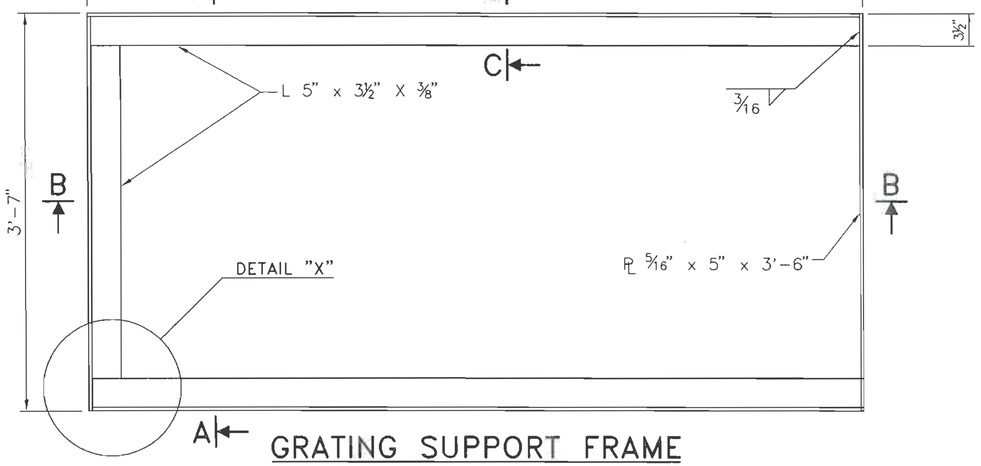


SECTION D–D

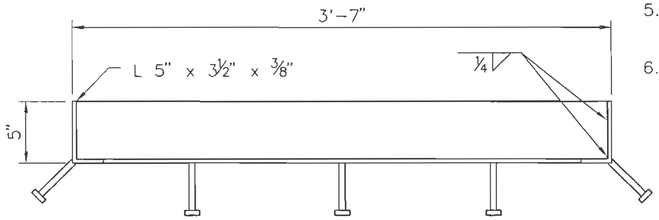


NOTE: ONE REQUIRED ESTIMATED WEIGHT OF ONE NOSE ANGLE = 16 LBS.

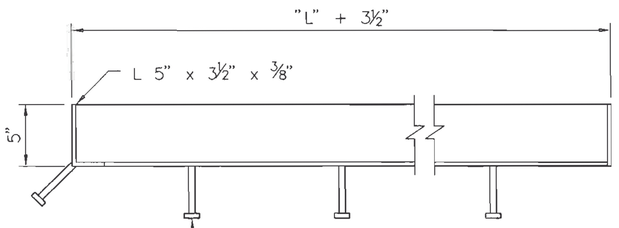
NOSE ANGLE



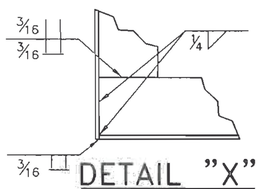
GRATING SUPPORT FRAME



SECTION A–A



SECTION B–B



DETAIL "X"



GENERAL NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.
2. ALL CONCRETE SHALL BE CLASS "A." CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.
3. PREFORMED BITUMINOUS JOINT FILLERS SHALL CONFORM TO AASHTO SPECIFICATION M 213. COST OF ALL JOINT FILLERS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE.
4. ALL REINFORCING BARS SHALL CONFORM TO AASHTO SPECIFICATION M 31. GRADE 60, DEFORMED. ALL DIMENSIONS REFER TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED.
5. STRUCTURAL STEEL SHALL BE CARBON STEEL CONFORMING TO AASHTO SPECIFICATION M 183. SHOP PLANS MUST BE APPROVED BY THE BRIDGE ENGINEER PRIOR TO THE START OF FABRICATION.
6. SEE ROADWAY PLANS FOR LOCATION OF DROP INLET, NUMBER, SIZE, FLOW LINE ELEVATIONS OF PIPE DRAINS, "H" AND "L" DIMENSIONS, PIPE SKEW ANGLE, SUPER ELEVATION AND NUMBER OF EACH TYPE OF GRATINGS.
7. ALL STRUCTURAL STEEL SHALL BE GIVEN A PROTECTIVE COATING IN CONFORMANCE WITH THE REQUIREMENTS OF SECTION 545 OF THE STANDARD SPECIFICATIONS.

INSTRUCTIONS

1. LENGTH OF DROP INLET "L", IS DETERMINED BY DRAINAGE CONSIDERATIONS. THIS STANDARD COVERS DROP INLETS FROM 9'–0" TO 24'–0" IN 3'–0" INCREMENTS.
2. DETERMINE THE FOLLOWING FROM ROADWAY PLANS:
   A. NUMBER, SIZE, AND SKEW ANGLE OF PIPES.
   B. DIMENSION "H" FROM FLOWLINE OF GUTTER TO BOTTOM OF SUMP.
3. SELECT DROP INLET BEST SUITED FOR THE CONDITION, IN GENERAL DESIGNS ARE FOR:
   TYPE I – LATERAL DRAIN PIPE.
   TYPE II – VERTICAL DRAIN PIPE INTO DEEPER PIPE OR CBC.
   TYPE III – TRANSVERSE DRAIN PIPE ACROSS ROADWAY.
   TYPE IV – PIPE DRAINING BEHIND CURB.
4. CALCULATE STRUCTURAL STEEL WEIGHT BY ADDING TOGETHER WEIGHTS OF NOSE ANGLE, GRATING SUPPORT FRAMES AND GRATING.
5. CALCULATE STRUCTURAL CONCRETE AND REINFORCING BAR WEIGHTS FROM THE TABLES ON EACH OF THE DROP INLET TYPE SHEETS.
6. IN THE ESTIMATED STRUCTURE QUANTITY SCHEDULE OF THE ROAD PLANS NOTE "L", "H" AND THE NUMBER OF EACH TYPE OF GRATING.

NO.	DATE	REV.BY	DESCRIPTION
1	7/3/09	YML	REVISED NOTE FROM 3 1/2" TO 4".

REVISIONS (OR CHANGE NOTICES)

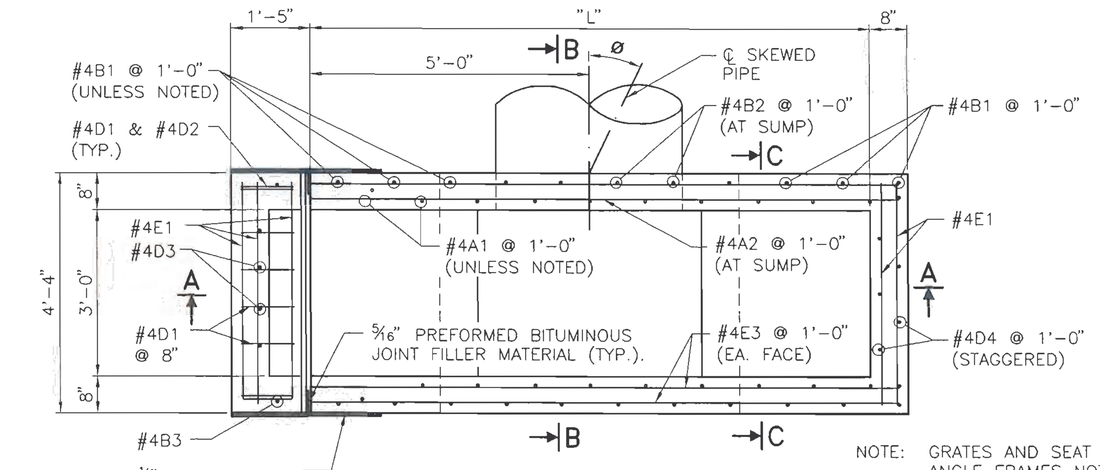
NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

TRANSVERSE DROP INLET
NOTES AND DETAILS

DESIGNED BY ____ DRAWN BY SKL CHECKED BY YML/TM

623-10-1/5 1 of 5

DWG NO.	SHEET	OF
12-5	37	51



PLAN

NOTE: GRATES AND SEAT ANGLE FRAMES NOT SHOWN.

NOTE: PIPES MAY PENETRATE ANY SIDES OF THE SUMP.

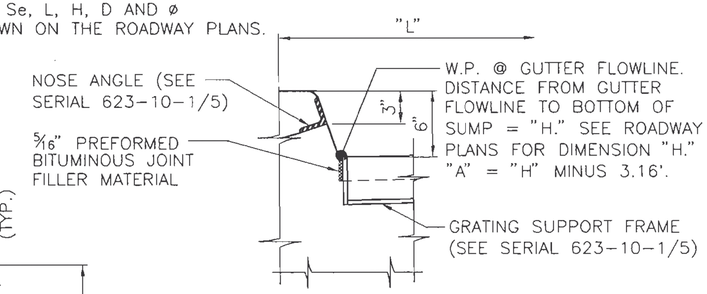
NOTE: WHEN CURB IS USED ON BOTH SIDES OF ROADWAY, USE CURB DETAILS AT TRANSVERSE DROP INLET LEFT.

NOTE: FIELD CUT AND BEND REBAR AS REQUIRED TO CLEAR PIPES. PLACE EXTRA #4E1 AND #4E6 ABOVE AND AROUND PIPE.

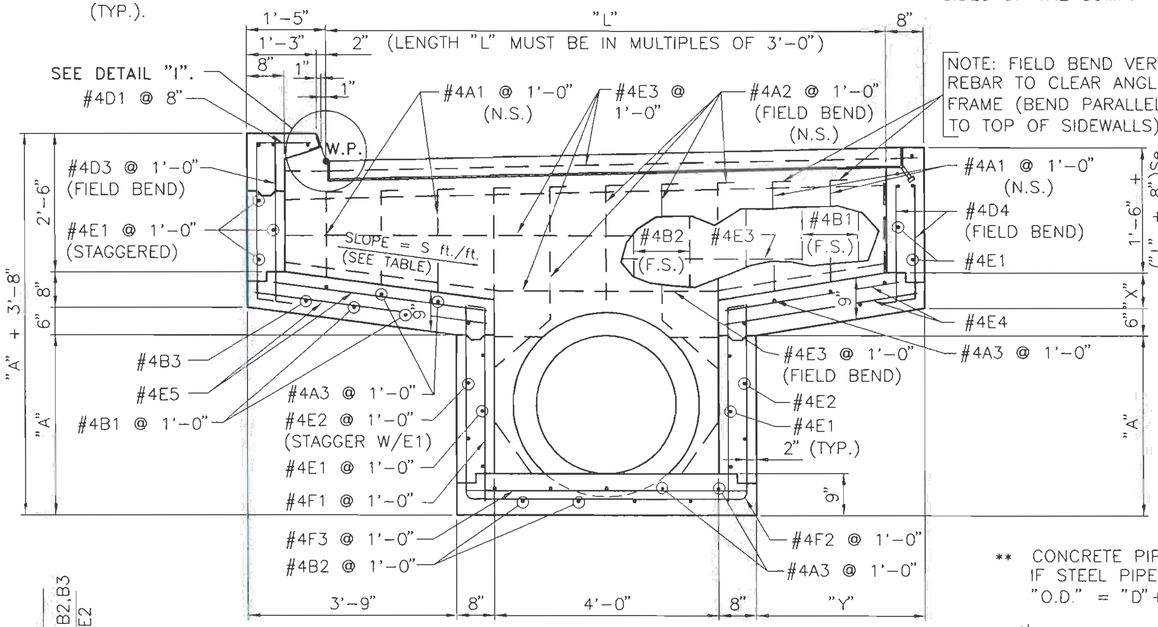
DIMENSIONS				No. OF BARS REQ'D.			LENGTH OF BARS		STRUCT. CONCRETE CLASS "A" (Cu.Yd.)	REINFORCING BARS (LBS.)
"L"	"Y"	"X"	"S" ft⁄ft.	A1	A3	B1	E3	E4		
9'-0"	2'-0"	7½"	.2500	10	10	6	10'-9"	2'-3"	2.93	338+17.4A+26.05N
12'-0"	5'-0"	8 3⁄16"	.10000	16	13	9	13'-9"	5'-3"	3.43	393+17.4A+26.05N
15'-0"	8'-0"	8½"	.06250	22	16	12	16'-9"	8'-3"	4.14	468+17.4A+26.05N
18'-0"	11'-0"	8⅝"	.04545	28	19	15	19'-9"	11'-3"	4.79	534+17.4A+26.05N
21'-0"	14'-0"	8¾"	.03571	34	22	18	22'-9"	14'-3"	5.25	600+17.4A+26.05N

TO THE CONCRETE QUANTITIES SHOWN IN THE ABOVE "TABLE":

1. ADD FOR SLOPE DUE TO SUPERELEVATION (Se ft./ft), OR CROWN; $Se(L^2+2.56\ L+0.36)\ /27$ = Cu.Yds. 3
2. ADD FOR SUMP DEPTH "A"; 10.44"A" /27=0.33 "A"= Cu.Yds.
3. DEDUCT FOR EACH PIPE; $\pi\ (O.D.)^2\ (1/4)(0.025)SEC\ \phi$ = Cu.Yds. WHERE ϕ = SKEW ANGLE OF PIPE. VALUES FOR Se, L, H, D AND ϕ ARE AS SHOWN ON THE ROADWAY PLANS.

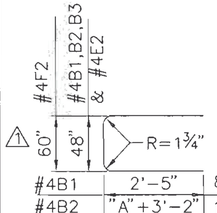


DETAIL "I"



NOTE: FIELD BEND VERT. REBAR TO CLEAR ANGLE FRAME (BEND PARALLEL TO TOP OF SIDEWALLS)

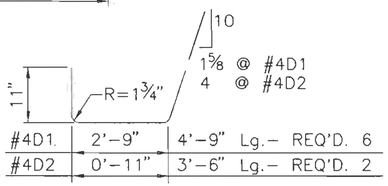
SECTION A-A 4



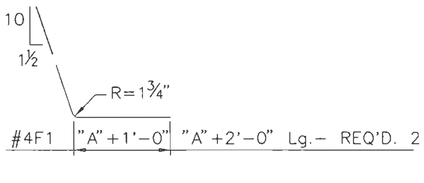
1 * SEE TABLE ABOVE

#4B1	2'-5"	8'-9" Lg.- REQ'D. *
#4B2	"A"+3'-2"	10'-3"+2A Lg.- REQ'D. 4
#4B3	2'-10"	9'-6" Lg.- REQ'D. 1
#4E2	3'-3"	10'-6" Lg.- REQ'D. 2+2N
#4F2	"A"+1'-0"	7'-6"+2A Lg.- REQ'D. 3

#4A1	2'-9"	REQ'D. *
#4A2	"A"+3'-2"	REQ'D. 10
#4A3	3'-6"	REQ'D. *
#4D3	2'-10"	REQ'D. 3
#4D4	3'-4"	REQ'D. 7
#4E1	4'-0"	REQ'D. 10+2N
#4E3	*	REQ'D. 10
#4E4	*	REQ'D. 7
#4E5	4'-0"	REQ'D. 7
#4E6	5'-0"	REQ'D. 2+2N
#4F3	5'-0"	REQ'D. 2

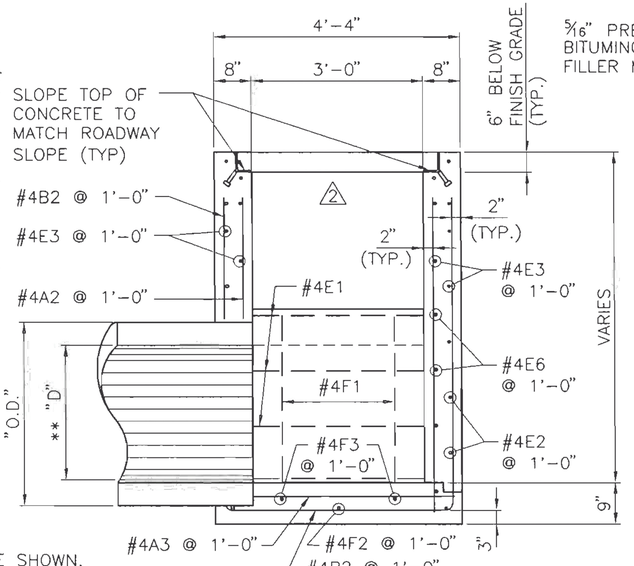


#4D1	2'-9"	4'-9" Lg.- REQ'D. 6
#4D2	0'-11"	3'-6" Lg.- REQ'D. 2

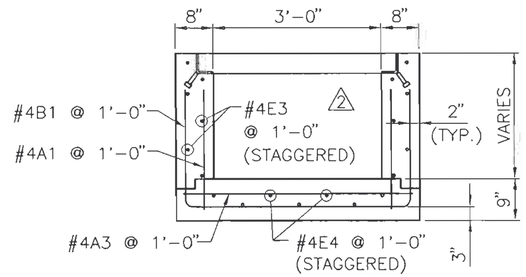


#4F1	"A"+1'-0"	"A"+2'-0" Lg.- REQ'D. 2

** CONCRETE PIPE SHOWN, IF STEEL PIPE IS USED "O.D." = "D"+1/2"



SECTION B-B



SECTION C-C

"N" IN REQ'D. No. OF BARS EQUALS THE NUMBER OF FEET IN DIMENSION "A."
FOR EXAMPLE:
IF "A" = 11 1/2" (i.e. $0 \le A < 1'-0"$), THEN N=0 AND REQ'D. 2 +2N = 2+2(0) = 2
IF "A" = 1'-11 1/2" (i.e. $1'-0" \le A < 2'-0"$), THEN N=1 AND REQ'D. 2 + 2N = 2+2(1) = 4.

REINFORCING STEEL REQUIRED FOR ONE STRUCTURE

NO.	DATE	REV.BY	DESCRIPTION
5	7/7/09	YML	REVISED THE NOTE & DETAIL.
4	7/7/09	YML	CLARIFIED STEEL BAR DESIGN. OF SECT A-A.
3	7/7/09	YML	CORRETED VOL. UNIT FROM YDS. TO CU.YDS.
2	7/7/09	YML	REVISED THE END VIEW OF WALL TOP.
1	7/7/09	YML	CORRECTED 66° TO 60°.

REVISIONS (OR CHANGE NOTICES)

RAY M. TRUJILLO NEW MEXICO 19534 REGISTERED PROFESSIONAL ENGINEER 10/10/09

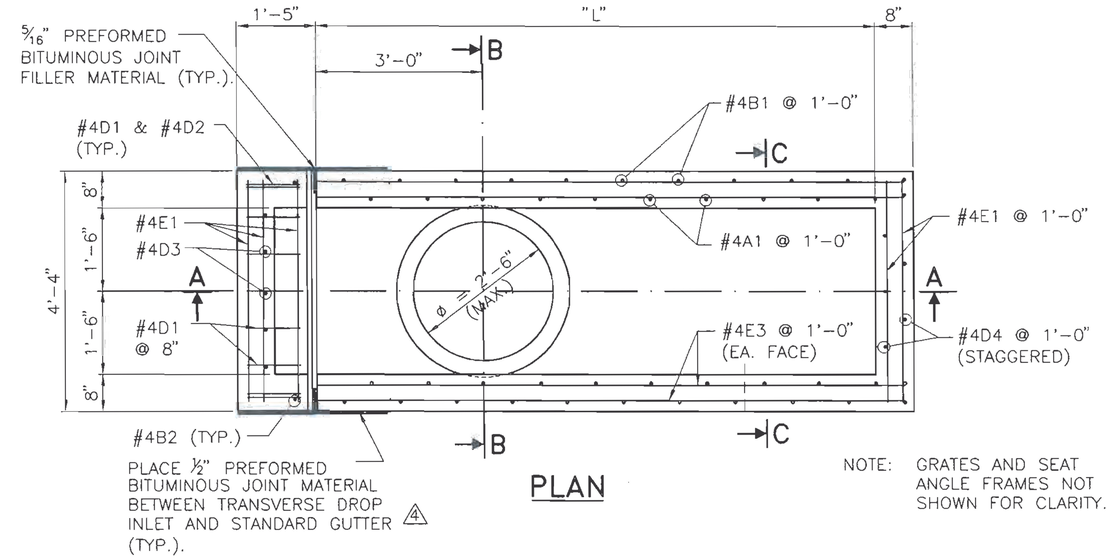
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

TRANSVERSE DROP INLET TYPE I

DESIGNED BY ____ DRAWN BY SKL CHECKED BY YML/TM

623-10-2/5 2 of 5

DWG NO.	SHEET	OF
12-6	38	51



PLAN

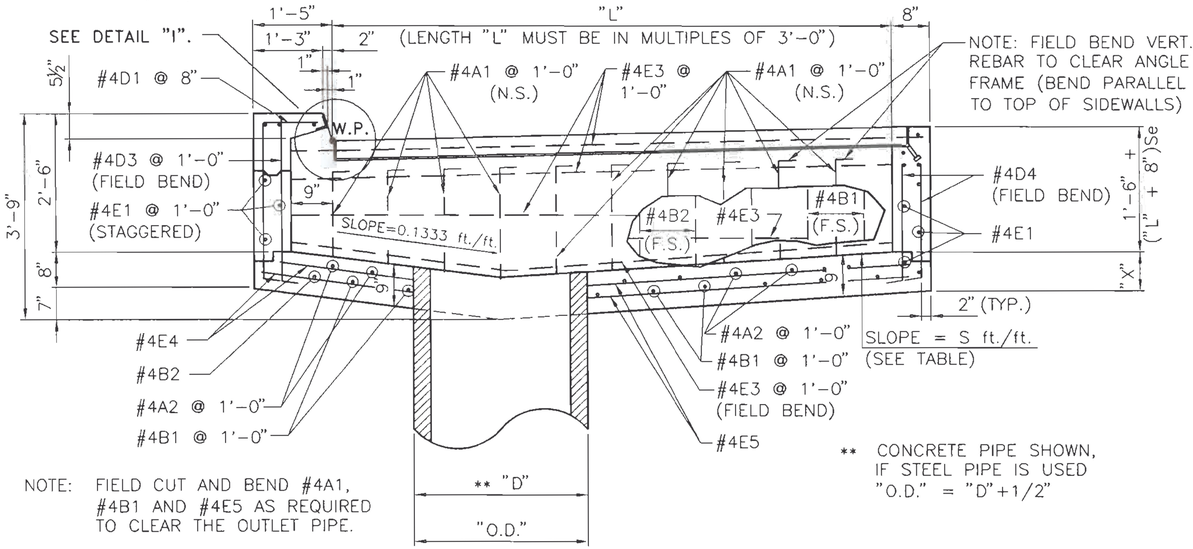
NOTE: GRATES AND SEAT ANGLE FRAMES NOT SHOWN FOR CLARITY.

NOTE: WHEN CURB IS USED ON BOTH SIDES OF ROADWAY USE CURB DETAILS AT TRANSVERSE DROP INLET LEFT.

DIMENSIONS				No. OF BARS REQ'D.			LENGTH OF BARS		STRUCT. CONCRETE CLASS "A" (Cu.Yd.)	REINFORCING BARS (LBS.)
"L"	"Y"	"X"	"S" ft/ft.	A1	A3	B1	E3	E4		
9'-0"	6'-0"	8½"	.08333	18	9	9	10'-9"	6'-9"	2.60	298
12'-0"	9'-0"	8 9/16"	.05556	24	12	12	13'-9"	9'-9"	3.18	362
15'-0"	12'-0"	8⅝"	.04167	30	15	15	16'-9"	12'-9"	3.75	430
18'-0"	15'-0"	8¾"	.03333	36	18	18	19'-9"	15'-9"	4.34	493
21'-0"	18'-0"	8 13/16"	.02778	42	21	21	22'-9"	18'-9"	4.92	562

TO THE CONCRETE QUANTITIES SHOWN IN THE ABOVE TABLE:

1. ADD FOR SLOPE DUE TO SUPERELEVATION (Se ft/ft.), OR CROWN; Se(L²+2.56 L+0.36) /27 = Cu.Yds. 2
2. DEDUCT FOR EACH PIPE; π (O.D.)² (1/4)(0.025) = Cu.Yds.
3. VALUES FOR Se, L, AND D ARE AS SHOWN ON THE ROADWAY PLANS.



NOTE: FIELD CUT AND BEND #4A1, #4B1 AND #4E5 AS REQUIRED TO CLEAR THE OUTLET PIPE.

** CONCRETE PIPE SHOWN, IF STEEL PIPE IS USED "O.D." = "D"+1/2"

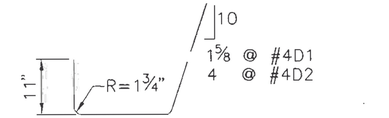
SECTION A-A 3



* SEE TABLE ABOVE

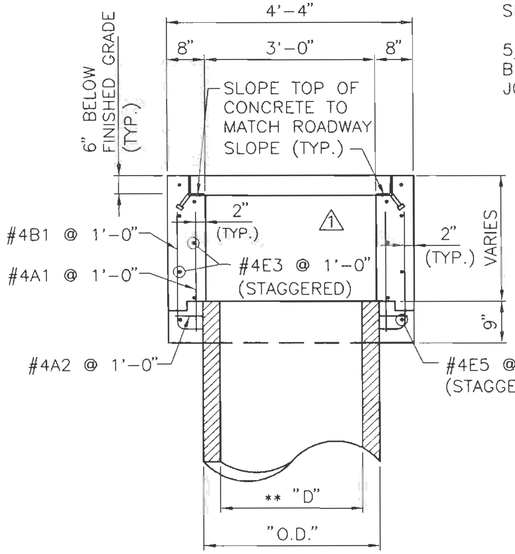
#4B1	2'-5"	8'-9" Lg. – REQ'D. *
#4B2	3'-0"	9'-9" Lg. – REQ'D. 1

#4A1	2'-9"	REQ'D. *
#4A2	3'-6"	REQ'D. *
#4D3	2'-10"	REQ'D. 3
#4D4	3'-6"	REQ'D. 7
#4E1	4'-0"	REQ'D. 12
#4E3	*	REQ'D. 10
#4E4	4'-6"	REQ'D. 5
#4E5	*	REQ'D. 5

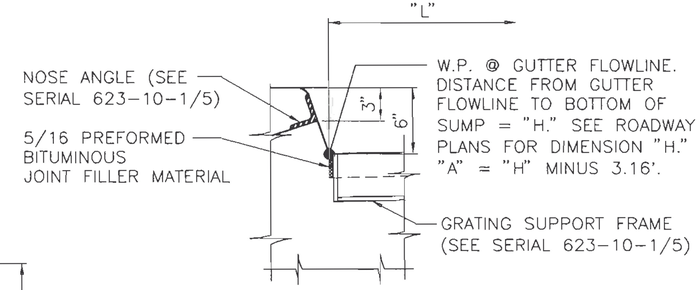


#4D1	2'-9"	4'-9" Lg.– REQ'D. 6
#4D2	0'-11"	3'-6" Lg.– REQ'D. 2

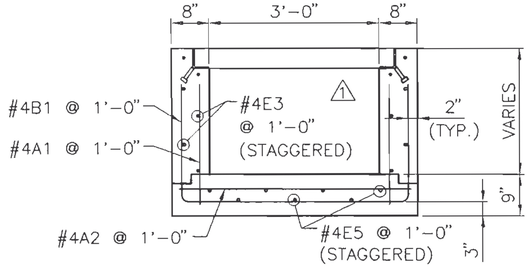
REINFORCING STEEL REQUIRED FOR ONE STRUCTURE



SECTION B-B



DETAIL "I"



SECTION C-C

NO.	DATE	REV.BY	DESCRIPTION
4	7/10/09	YML	REVISED THE NOTE & DETAIL
3	7/10/09	YML	CLARIFIED STEEL BARS DESGIN. OF SECT. A-A
2	7/10/09	YML	CORRECTED VOL. UNIT FROM YDS. TO CU.YDS.
1	7/10/09	YML	REVISED THE END VIEW OF WALL TOP.

REVISIONS (OR CHANGE NOTICES)

RAY M. TRUJILLO NEW MEXICO 13514 11/13/09 REGISTERED PROFESSIONAL ENGINEER

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

TRANSVERSE DROP INLET TYPE II

DESIGNED BY ____ DRAWN BY SKL CHECKED BY YML/TM

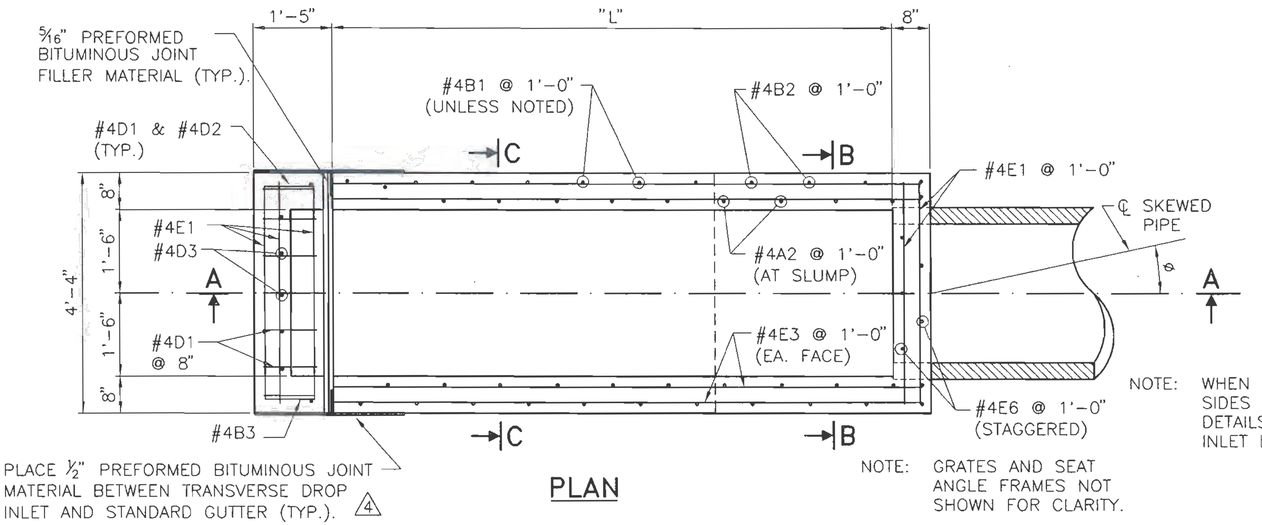
623-10-3/5 3 of 5

DWG NO. 12-7 SHEET 39 OF 51

DIMENSIONS				No. OF BARS REQ'D.			LENGTH OF BARS		STRUCT. CONCRETE CLASS "A" (Cu.yd.)	REINFORCING BARS (LBS.)
"L"	"Y"	"X"	"S" ft/ft.	A1	A3	B1	E3	E4		
9'-0"	7'-3"	8½"	.06897	14	10	6	10'-9"	7'-9"	2.94	364+18.7A+21.38N
12'-0"	10'-3"	8⅝"	.04875	20	13	9	13'-9"	10'-9"	3.52	434+18.7A+21.38N
15'-0"	13'-3"	8¾"	.03773	26	16	12	16'-9"	13'-9"	4.10	506+18.7A+21.38N
18'-0"	16'-3"	8¾"	.03077	32	19	15	19'-9"	16'-9"	4.68	576+18.7A+21.38N
21'-0"	19'-3"	8¾"	.02597	38	22	18	22'-9"	19'-9"	5.26	648+18.7A+21.38N

TO THE CONCRETE QUANTITIES SHOWN IN THE ABOVE TABLE:

1. ADD FOR SLOPE DUE TO SUPERELEVATION (Se ft./ft.), OR CROWN; $Se(L^2+2.56\ L+0.86)\ /27$ = Cu.Yds.
2. ADD FOR SUMP DEPTH "A"; 8.44 "A" /27 = 0.31 "A" = Cu.Yds. (2)
3. DEDUCT FOR EACH PIPE; $\pi\ (O.D.)^2\ (1/4)(0.025)Sec.\ \phi$ = Cu.Yds.
   WHERE ϕ = SKEW ANGLE OF PIPE.
   VALUES FOR Se, L, H, D, AND ϕ ARE AS SHOWN ON THE ROADWAY PLANS.

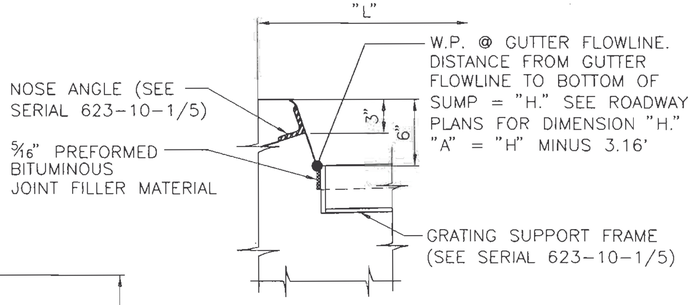


PLACE ½" PREFORMED BITUMINOUS JOINT MATERIAL BETWEEN TRANSVERSE DROP INLET AND STANDARD GUTTER (TYP.). (4)

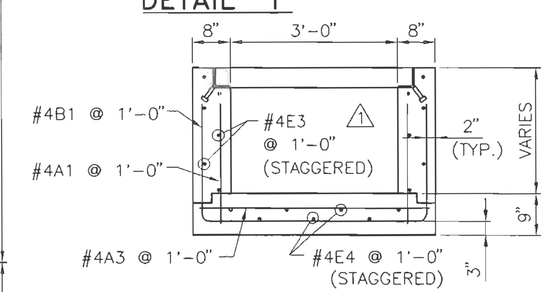
PLAN

NOTE: WHEN CURB IS USED ON BOTH SIDES OF ROADWAY USE CURB DETAILS AT TRANSVERSE DROP INLET LEFT.

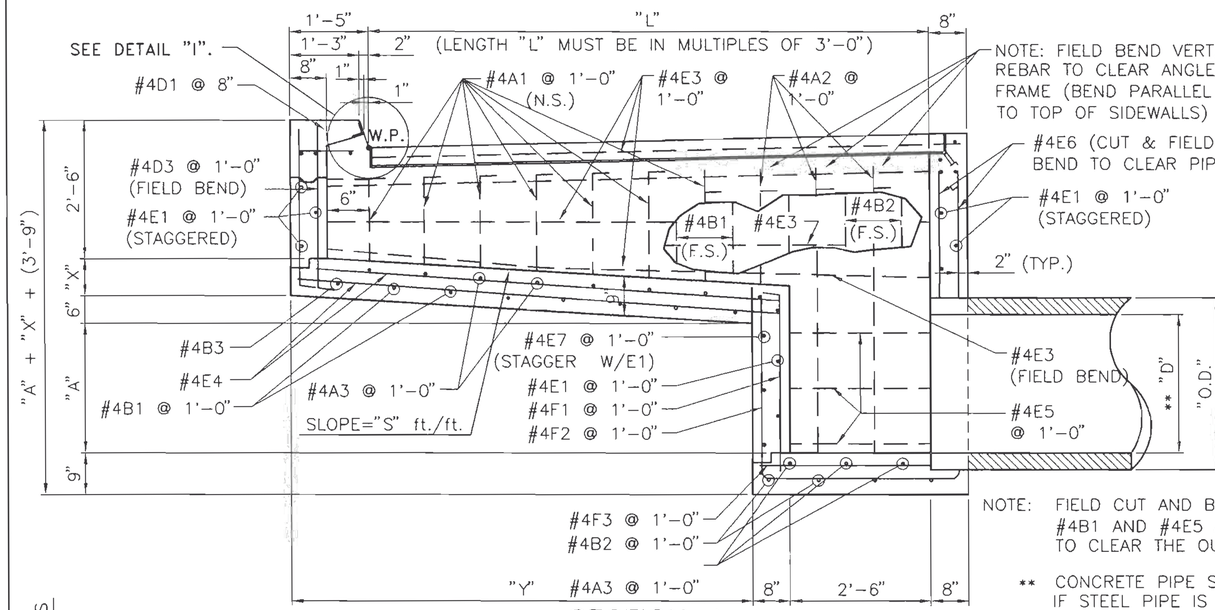
NOTE: GRATES AND SEAT ANGLE FRAMES NOT SHOWN FOR CLARITY.



DETAIL "I"



SECTION C-C



NOTE: FIELD CUT AND BEND #4A1, #4B1 AND #4E5 AS REQUIRED TO CLEAR THE OUTLET PIPE.

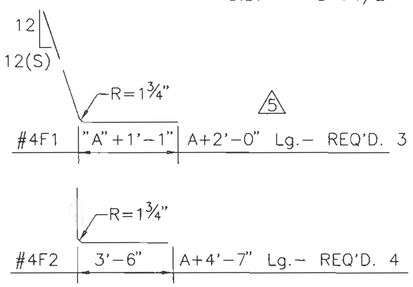
** CONCRETE PIPE SHOWN, IF STEEL PIPE IS USED "O.D." = "D"+1/2"

SECTION A-A (3)

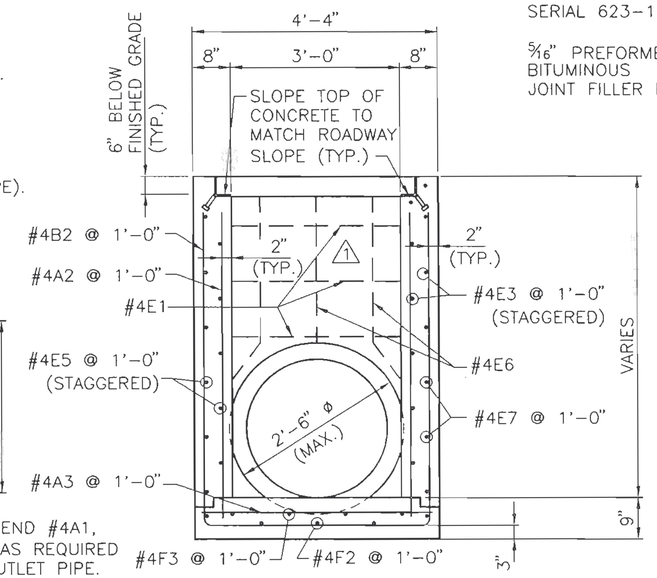


#4B1	2'-10"	9'-6" Lg. – REQ'D. *
#4B2	"A"+3'-7"	2A + 11'-0" Lg. – REQ'D. 4
#4B3	2'-10"	9'-8" Lg. – REQ'D. 1
#4E7	2'-3"	8'-6" Lg. – REQ'D. 2+2N

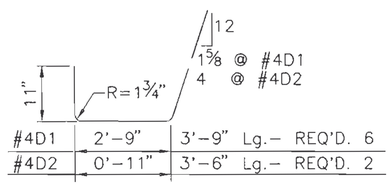
#4A1	2'-9"	REQ'D.
#4A2	"A"+3'-7"	REQ'D. *
#4A3	3'-6"	REQ'D.
#4D3	2'-10"	REQ'D. *
#4E1	4'-0"	REQ'D. 14+2N
#4E3	*	REQ'D. 10
#4E4	*	REQ'D. 7
#4E5	3'-6"	REQ'D. 2+2N
#4E6	"A"+3'-6"	REQ'D. 7
#4F3	3'-6"	REQ'D. 3



REINFORCING STEEL REQUIRED FOR ONE STRUCTURE



SECTION B-B



#4D1	2'-9"	3'-9" Lg.– REQ'D. 6
#4D2	0'-11"	3'-6" Lg.– REQ'D. 2

"N" IN REQ'D. No. OF BARS EQUALS THE NUMBER OF FEET IN DIMENSION "A." FOR EXAMPLE:
IF "A" = 11" (i.e. $0 \le A < 1'-0"$), THEN N=0 AND REQ'D. 2+2N = 2+2(0) = 2.
IF "A" = 23" (i.e. $1'-0" \le A < 2'-0"$), THEN N=1 AND REQ'D. 2+2N = 2+2(1) = 4.

RAY M. TRUJILLO NEW MEXICO 10311 REGISTERED PROFESSIONAL ENGINEER 11/13/09

NO.	DATE	REV.BY	DESCRIPTION
5	7/14/09	YML	REVISED A +0.63 TO A+2'-0"
4	7/14/09	YML	REVISED THE NOTE AND DETAIL.
3	7/14/09	YML	CLARIFIED STEEL BARS DESIGN. OF SECT. A-A
2	7/14/09	YML	CORRECTED VOL. UNIT FROM YDS. TO CU.YDS.
1	7/14/09	YML	REVISED THE END VIEW OF WALL TOP.

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

TRANSVERSE DROP INLET TYPE III

DESIGNED BY____ DRAWN BY SKL CHECKED BY YML/TM

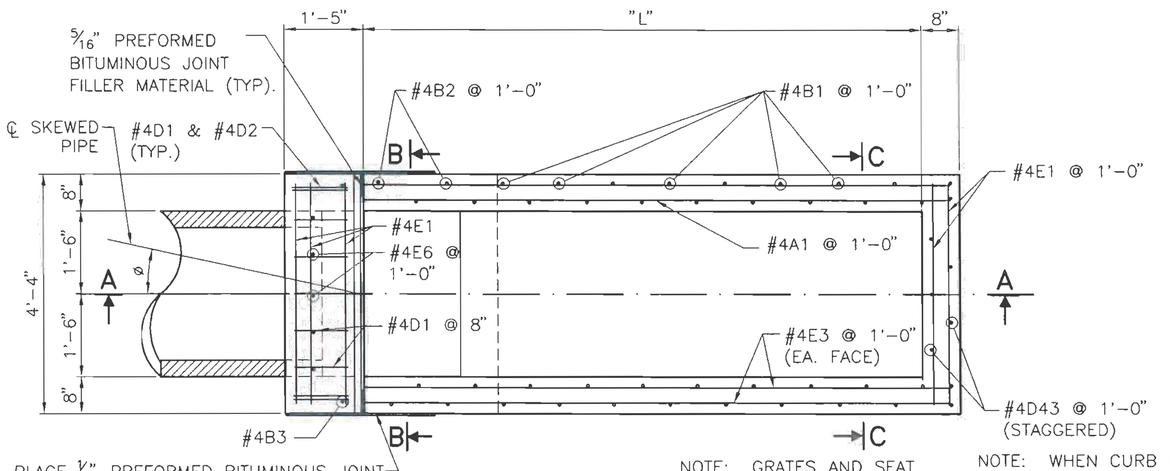
623-10-4/5 4 of 5

DWG NO. 12-8 | SHEET 40 OF 51

DIMENSIONS				No. OF BARS REQ'D.			LENGTH OF BARS		STRUCT. CONCRETE CLASS "A" (Cu.Yd.)	REINFORCING BARS (LBS.)
"L"	"Y"	"X"	"S" ft/ft.	A1	A3	B1	E3	E4		
9'-0"	7'-3"	8½"	.06897	14	10	6	10'-9"	7'-9"	2.94	356+19.37A+21.38N
12'-0"	10'-3"	8⅝"	.04875	20	13	10	13'-9"	10'-9"	3.52	424+19.37A+21.38N
15'-0"	13'-3"	8¾"	.03773	26	16	12	16'-9"	13'-9"	4.10	539+19.37A+21.38N
18'-0"	16'-3"	8¾"	.03077	32	19	16	19'-9"	16'-9"	4.68	562+19.37A+21.38N
21'-0"	19'-3"	8¾"	.02597	38	22	20	22'-9"	19'-9"	5.26	632+19.37A+21.38N

TO THE CONCRETE QUANTITIES SHOWN IN THE ABOVE TABLE:

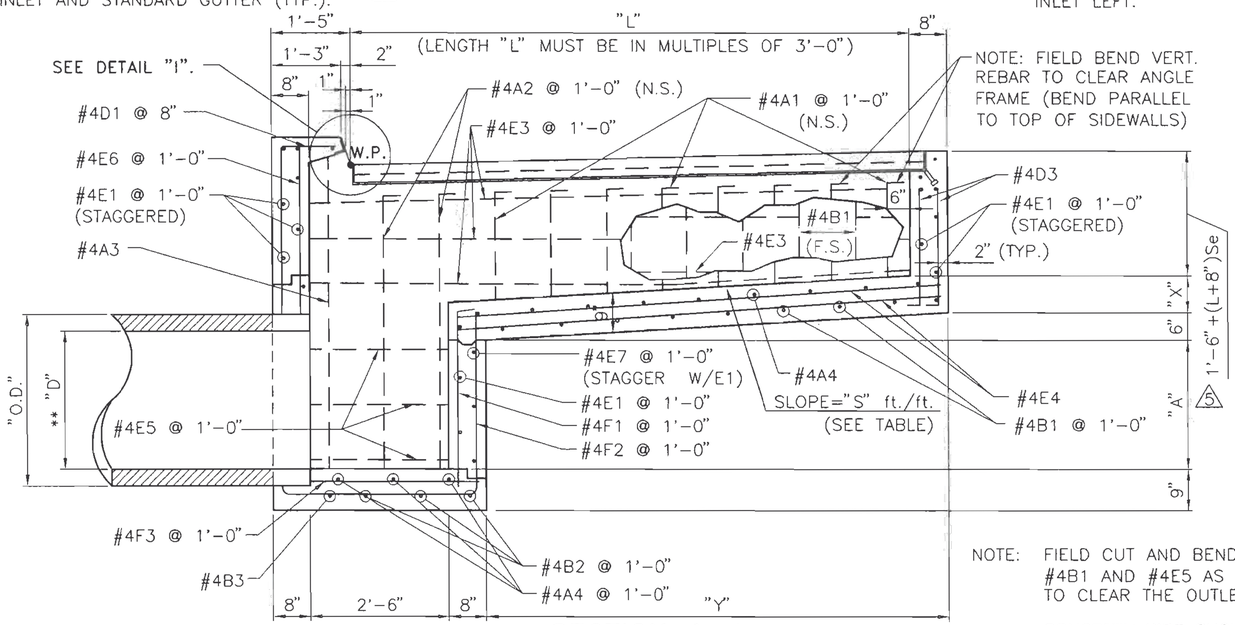
1. ADD FOR SLOPE DUE TO SUPERELEVATION (Se ft./ft.). OR CROWN; $Se(L^2+2.56\ L+0.86)\ /27$ = Cu.Yds.
2. ADD FOR SUMP DEPTH "A"; 8.44 "A" /27= 0.31 "A" = Cu.Yds.
3. DEDUCT FOR EACH PIPE; $\pi\ (O.D.)^2\ (1/4)(0.020)Sec\phi$ = Cu.Yds. 2
   WHERE ϕ = SKEW ANGLE OF PIPE.
   VALUES FOR Se, L, H, D, AND ϕ ARE AS SHOWN ON THE ROADWAY PLANS.



PLAN

NOTE: GRATES AND SEAT ANGLE FRAMES NOT SHOWN FOR CLARITY.

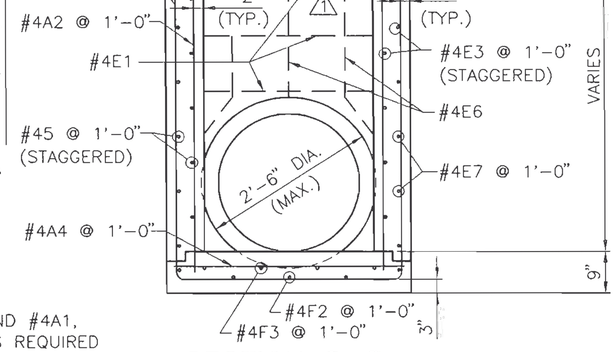
NOTE: WHEN CURB IS USED ON BOTH SIDES OF ROADWAY USE CURB DETAILS AT TRANSVERSE DROP INLET LEFT.



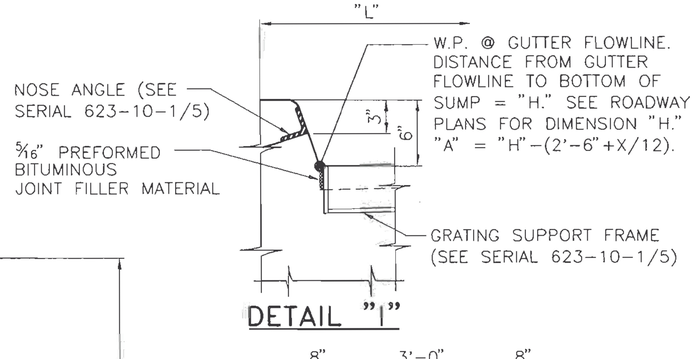
NOTE: FIELD CUT AND BEND #4A1, #4B1 AND #4E5 AS REQUIRED TO CLEAR THE OUTLET PIPE.

** CONCRETE PIPE SHOWN, IF STEEL PIPE IS USED "O.D." = "D"+1/2"

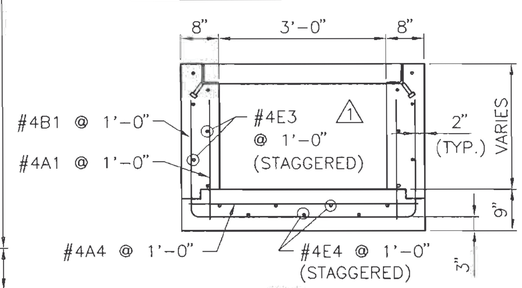
SECTION A-A 3



SECTION B-B



DETAIL "I"



SECTION C-C

NO.	DATE	REV.BY	DESCRIPTION
5	7/14/09	YML	CORRECTED 0.45 TO 1'-6"
4	7/14/09	YML	REVISED NOTE.
3	7/14/09	YML	CLARIFIED STEEL BARS DESIGN. OF SECT. A-A
2	7/14/09	YML	CORRECTED VOL. UNIT FROM YDS. TO CU.YDS.
1	7/14/09	YML	REVISED THE END VIEW OF WALL TOP.

REVISIONS (OR CHANGE NOTICES)

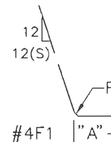
#4B-BARS & #4E7



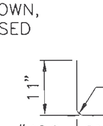
* SEE TABLE ABOVE

#4B1	2'-6"	9'-0" Lg. - REQ'D. *
#4B2	"A"+3'-2"	2A + 10'-3" Lg. - REQ'D. 3
#4B3	4'-0"	2A + 12'-0" Lg. - REQ'D. 1
#4E7	2'-3"	8'-6" Lg. - REQ'D. 2+2N

#4A1	2'-6"	REQ'D. *
#4A2	"A"+3'-2"	REQ'D. 4
#4A3	"A"+4'-1"	REQ'D. 2
#4A4	3'-6"	REQ'D. *
#4D3	2'-4"	REQ'D. 7
#4E1	4'-0"	REQ'D. 14+2N
#4E3	*	REQ'D. 12
#4E4	*	REQ'D. 5
#4E5	3'-6"	REQ'D. 2+2N
#4E6	"A"+4'-0"	REQ'D. 4
#4F3	3'-6"	REQ'D. 3



#4F1	"A"+1'-1"	A+2'-0" Lg.-REQ'D. 3
#4D1	"A"+4'-0"	A+4'-11" Lg.- REQ'D. 4
#4F2	3'-6"	A+4'-7" Lg. - REQ'D. 4



#4D2	0'-11"	3'-6" Lg.- REQ'D. 2

REINFORCING STEEL REQUIRED FOR ONE STRUCTURE

"N" IN REQ'D. No. OF BARS EQUALS THE NUMBER OF FEET IN DIMENSION "A." FOR EXAMPLE:
IF "A" = 11" (i.e. 0 ≤ A < 1'-0"), THEN N=0 AND REQ'D. 2+2N = 2+2(0) = 2
IF "A" = 23" (i.e. 1'-0" ≤ A < 2'-0"), THEN N=1 AND REQ'D. 2+2N = 2+2(1) = 4.



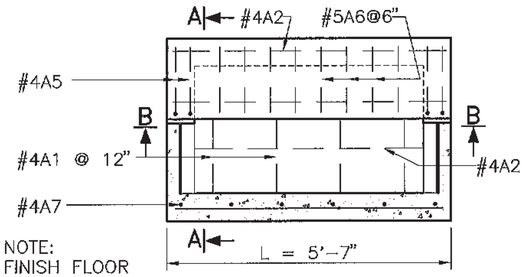
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

TRANSVERSE DROP INLET TYPE IV

DESIGNED BY____ DRAWN BY SKL CHECKED BY YML/TM

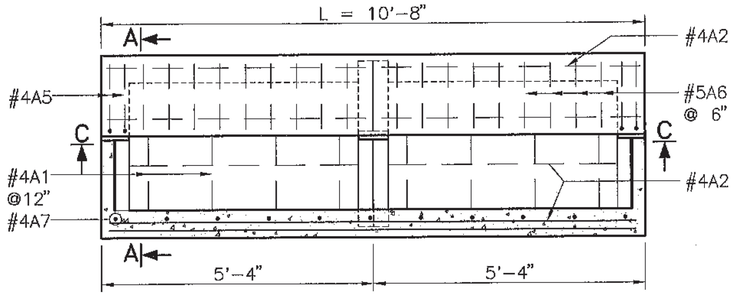
623-10-5/5 5 of 5

DWG NO. 12-9 | SHEET 41 OF 51

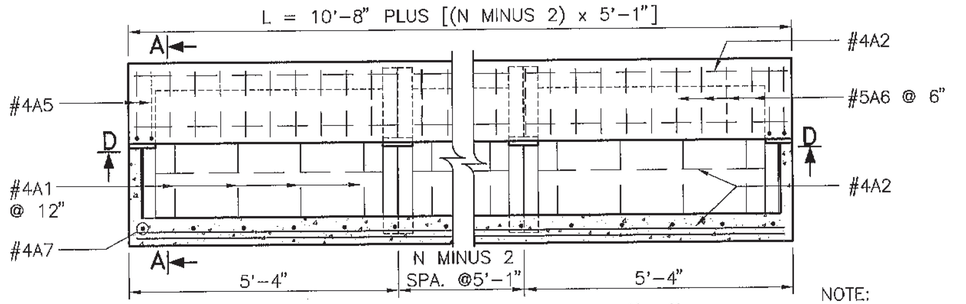


NOTE:
FINISH FLOOR
TO DRAIN
TO OUTLET PIPE.
SEE SKETCH.

PLAN TYPE I

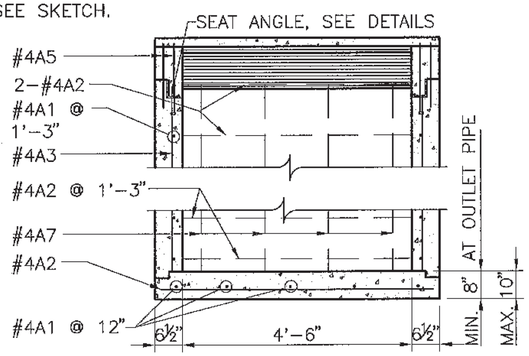


PLAN TYPE II

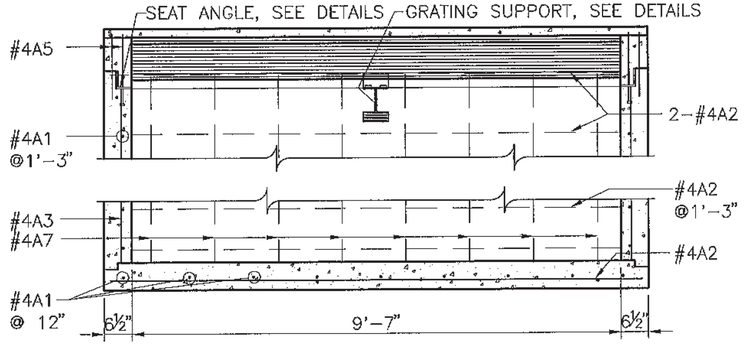


PLAN TYPE III TO TYPE "N"

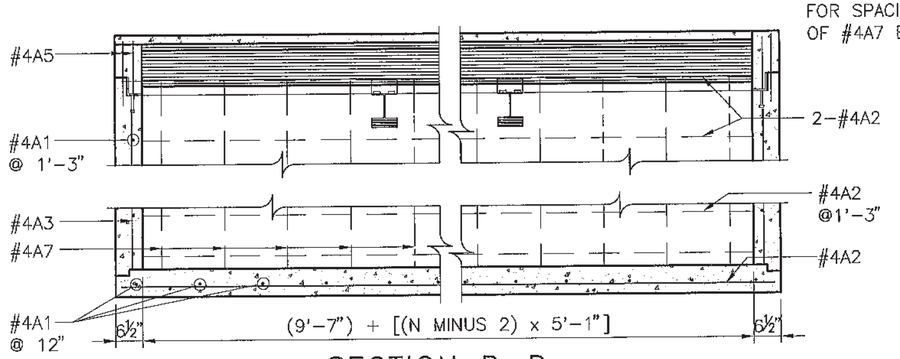
NOTE:
SEE REINFORCING
BAR SCHEDULE
FOR SPACING
OF #4A7 BARS.



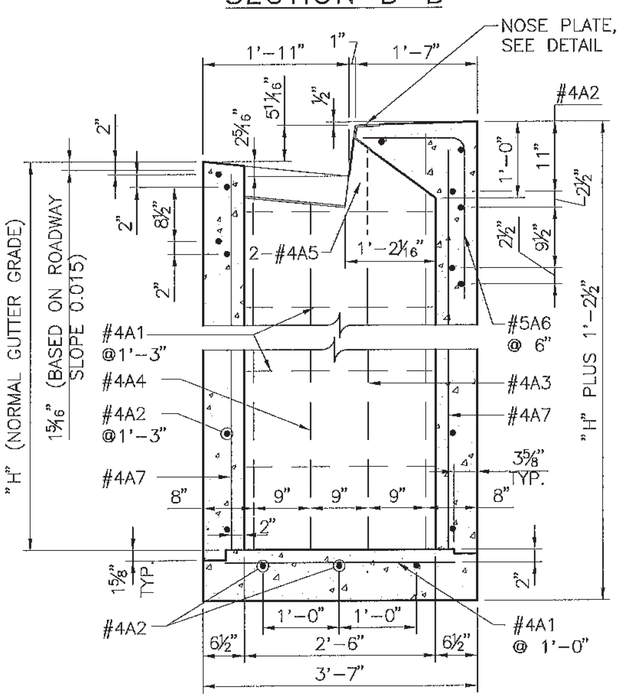
SECTION B-B



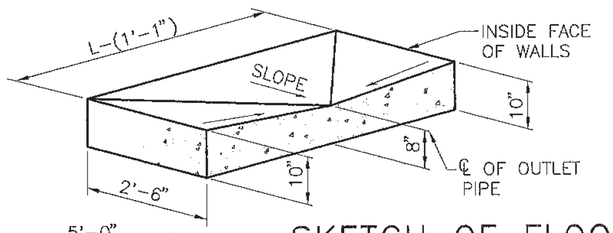
SECTION C-C



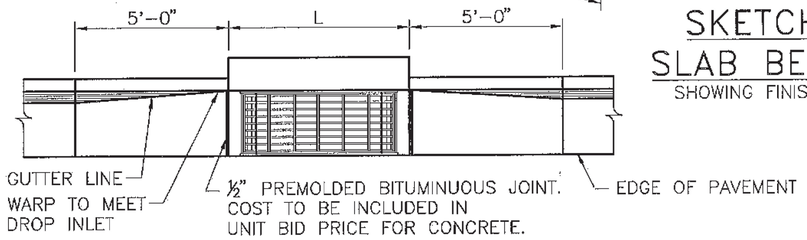
SECTION D-D



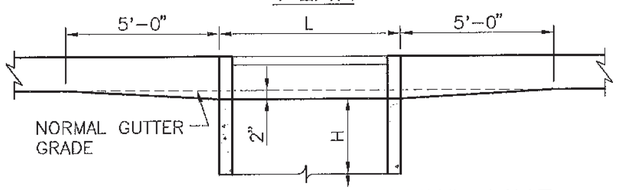
SECTION A-A
TYPICAL FOR ALL TYPES



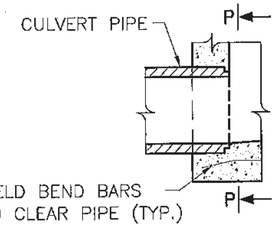
SKETCH OF FLOOR
SLAB BETWEEN WALLS
SHOWING FINISH TO DRAIN OUTLET PIPE



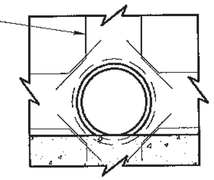
PLAN



SECTION ALONG GUTTER LINE
DETAIL FOR PLACING DROP INLET



TYPICAL SECTION
@ ℄ PIPE



PART
SECTION P-P

	DATE	BY	DESCRIPTION
1	1/23/12	YML	REVISED TO LRFD.

REVISIONS (OR CHANGE NOTICES)

TIMOTHY A. MARKS
NEW MEXICO
14072
REGISTERED PROFESSIONAL ENGINEER

1-10-13

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

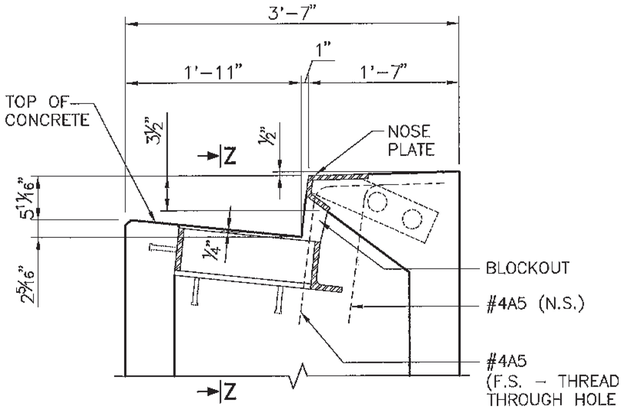
DROP INLET
FOR
TYPE "B" CURB

SERIAL 623-14-2/3 AND 623-14-3/3 MUST ACCOMPANY THIS SHEET.

DESIGNED BY: YML DRAWN BY: SKL CHECKED BY: YML/TM

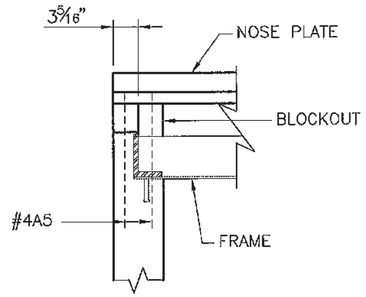
623-14-1/3 1 of 3

DWG NO. 12-10 | SHEET 42 OF 51



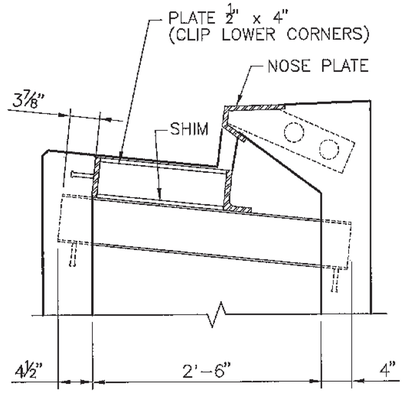
SECTION X–X

(SEE SHEET 3 OF 3)
(GRATE NOT SHOWN)



SECTION Z–Z

(GRATE NOT SHOWN)



SECTION Y–Y

(SEE SHEET 3 OF 3)
(GRATE NOT SHOWN)

ESTIMATED QUANTITIES

TYPE	N	L	CLASS "A" CONC. † CU. YDS.	REINFORCING BARS – LBS. H = 8'–0" OR LESS	REINFORCING BARS – LBS. H = 8'–1" TO 10'–0"	REINFORCING BARS – LBS. H = 10'–0" TO 11'–6"	STRUCTURAL STEEL – LBS.
I	1	5'–7"	0.324H+0.698	23.870 H + 94.779	25.206 H + 95.448	35.894 H + 100.790	570
II	2	10'–8"	0.528H+1.357	37.319 H + 180.150	41.327 H + 182.185	58.185 H + 190.838	1186
III	3	15'–9"	0.732H+2.017	50.768 H + 265.518	57.448 H + 268.858	81.496 H + 280.882	1796
IV	4	20'–10"	0.936H+2.676	64.217 H + 350.887	73.569 H + 354.563	104.297 H + 370.927	2412
V	5	25'–11"	1.140H+3.335	77.662 H + 436.258	89.690 H + 442.270	127.098 H + 460.974	3022
VI	6	31'–0"	1.344H+3.995	91.115 H + 521.716	105.811 H + 528.974	149.899 H + 551.018	3631

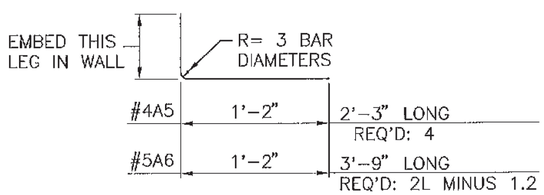
† SEE TABLE FOR PIPE DEDUCTION
N = NUMBER OF GRATINGS PLACED IN DROP INLET
H = NORMAL GUTTER ELEVATION TO FLOW LINE ELEVATION OF OUTLET PIPE. USE H IN FEET.

CLASS "A" CONCRETE DEDUCTIONS FOR ONE PIPE

SIZE	CONCRETE PIPE	METAL PIPE
18"	0.06 CU. YDS.	0.04 CU. YDS.
24"	0.10 CU. YDS.	0.06 CU. YDS.
30"	0.15 CU. YDS.	0.10 CU. YDS.
36"	0.21 CU. YDS.	0.14 CU. YDS.
42"	0.28 CU. YDS.	0.19 CU. YDS.

NOTE:
DEDUCTIONS NOTED ARE FOR PIPES NORMAL TO WALLS. FOR SKEWED PIPES, MULTIPLY DEDUCTIONS BY SECANT OF SKEW ANGLE. FOR SMALLER PIPES OTHER THAN THOSE SHOWN IN TABLE, ADJUST DEDUCTIONS ACCORDINGLY.

REINFORCING BAR SCHEDULE



#4A5	1'–2"	2'–3" LONG REQ'D: 4
#5A6	1'–2"	3'–9" LONG REQ'D: 2L MINUS 1.2

#4A1	3'–3"	REQ'D: L MINUS 0.60 PLUS 1.60H
#4A2	L MINUS 3"	REQ'D: 9 PLUS 1.60H
#4A3	H PLUS 10"	REQ'D: 4
#4A4	H	REQ'D: 4

"H"	SPACES	#4A7	REQUIRED
8'–0" OR LESS	10"	H PLUS 6"	12 N + 2
8'–1" TO 10'–0"	8"	H PLUS 6"	16 N
10'–1" TO 11'–6"	4½"	H PLUS 6"	26 N + 6

NOTE:
"H" AND "L" ARE IN FEET. FINISH BARS TO THE NEAREST WHOLE NUMBER OF BARS.

GENERAL NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (CURRENT EDITION), APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.
2. STRUCTURAL STEEL MATERIALS, WELDING, AND FABRICATION SHALL CONFORM TO SECTION 541 – STEEL STRUCTURES OF THE STANDARD SPECIFICATIONS.
3. ALL STRUCTURAL STEEL SHALL RECEIVE A PROTECTIVE COATING IN CONFORMANCE WITH SECTION 545 OF THE STANDARD SPECIFICATIONS.
4. ALL CONCRETE TO BE CLASS "A." CHAMFER ALL EXPOSED EDGES 3/4", UNLESS OTHERWISE NOTED.
5. ALL REINFORCING BARS SHALL CONFORM TO AASHTO M31, GRADE 60. DIMENSIONS REFER TO CENTERLINE OF BARS.
6. SEE ROADWAY PLANS FOR LOCATION OF DROP INLET, NUMBER, SIZE, AND FLOW LINE ELEVATIONS OF PIPE DRAINS, AND "H" DIMENSION.
7. OUTLET PIPES SHALL NOT BE SET AT END OF DROP INLET.

DESIGN DATA:

DESIGN IS IN ACCORDANCE WITH AASHTO LRFD SPECIFICATIONS 2010 FIFTH EDITION AND CURRENT INTERIMS.

DESIGN STRESSES: STRUCTURAL STEEL:
ASTM A–36
FY = 36 KSI

REINFORCED CONCRETE:
F'c = 3,000 PSI @ 28 DAYS
Fy = 60 ksi, GRADE 60

LIVE LOAD: HL–93

HORIZONTAL EARTH PRESSURE: 36 LBS./CU.FT. EQUIVILENT FLUID PRESSURE WITH 2' LIVE LOAD SURCHARGE

MAXIMUM: H = 11'–6"

TIMOTHY A. MARES
NEW MEXICO
14072
REGISTERED PROFESSIONAL ENGINEER
1-10-13

SERIALS 623–14–1/3 AND 623–14–3/3 MUST ACCOMPANY THIS SHEET.

	DATE	BY	DESCRIPTION
1	1/23/12	YML	REVISED TO LRFD.

REVISIONS (OR CHANGE NOTICES)

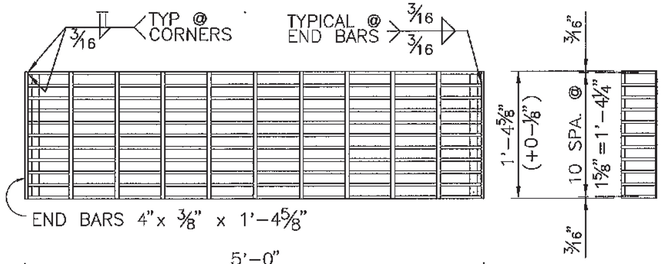
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

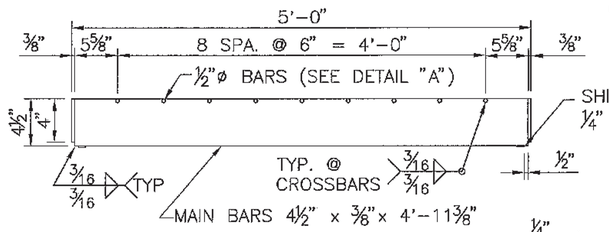
DROP INLET
FOR
TYPE "B" CURBS
GRATES, FRAMES, NOSE PLATES
AND CENTER SUPPORT BEAMS

DESIGNED BY: YML DRAWN BY: SKL CHECKED BY: YML/TM

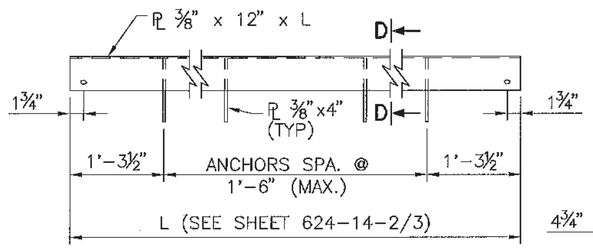
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DWG NO. 12-11 | SHEET 43 OF 51

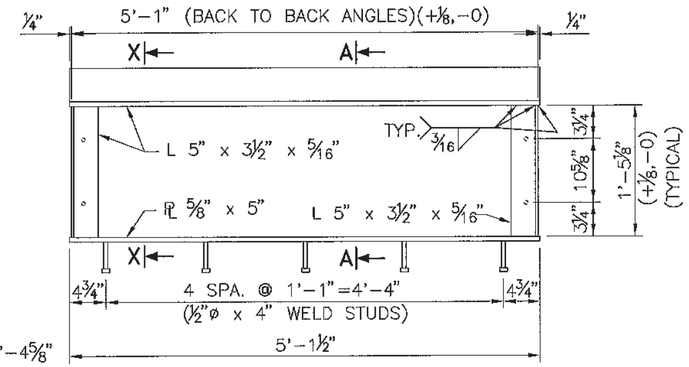




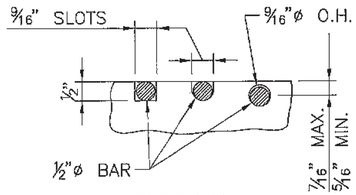
GRATING DETAILS



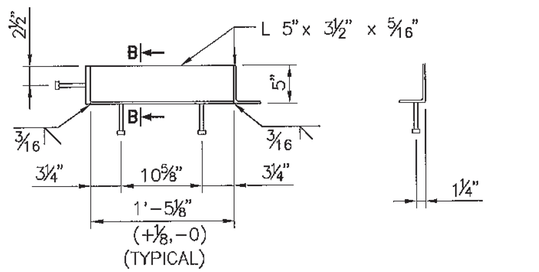
NOSE PLATE DETAIL



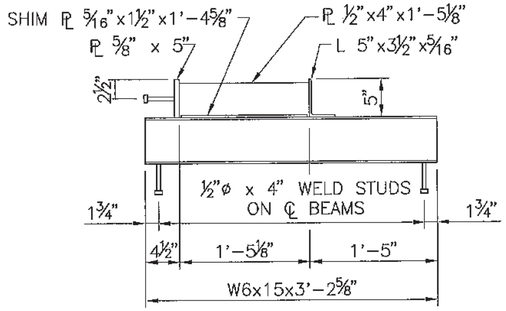
ANGLE FRAME DETAIL (TYPE 1)



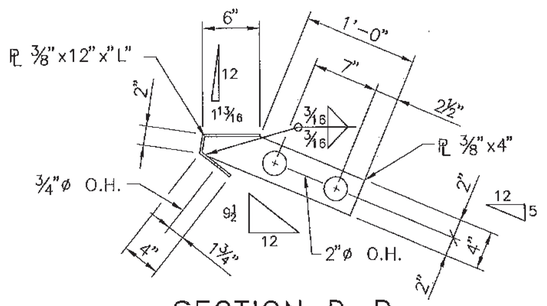
DETAIL A
(ALTERNATE METHODS)



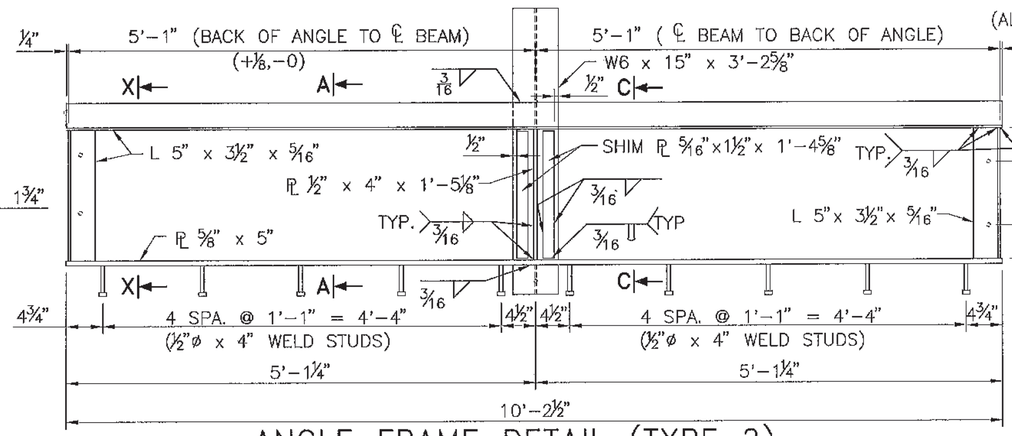
SECTION A-A SECTION B-B



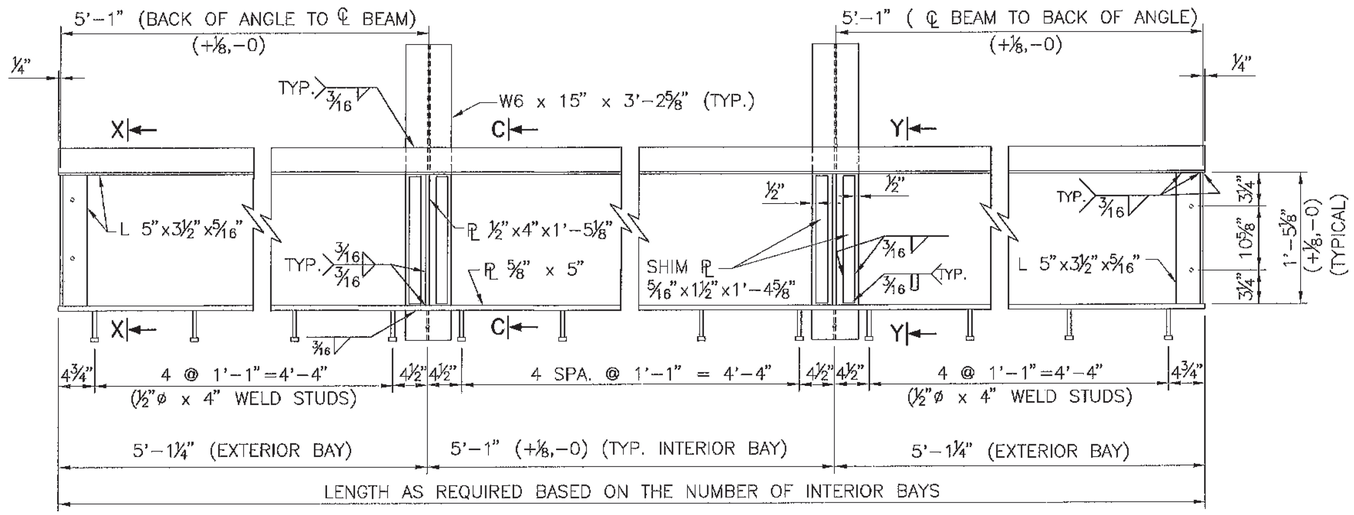
SECTION C-C



SECTION D-D
(GRATE NOT SHOWN)



ANGLE FRAME DETAIL (TYPE 2)



ANGLE FRAME DETAIL (TYPE N)

SERIALS 623-14-1/3 AND 623-14-2/3 MUST ACCOMPANY THIS SHEET.



	DATE	BY	DESCRIPTION
1	1/23/12	YML	REVISED TO LRFD.

REVISIONS (OR CHANGE NOTICES)

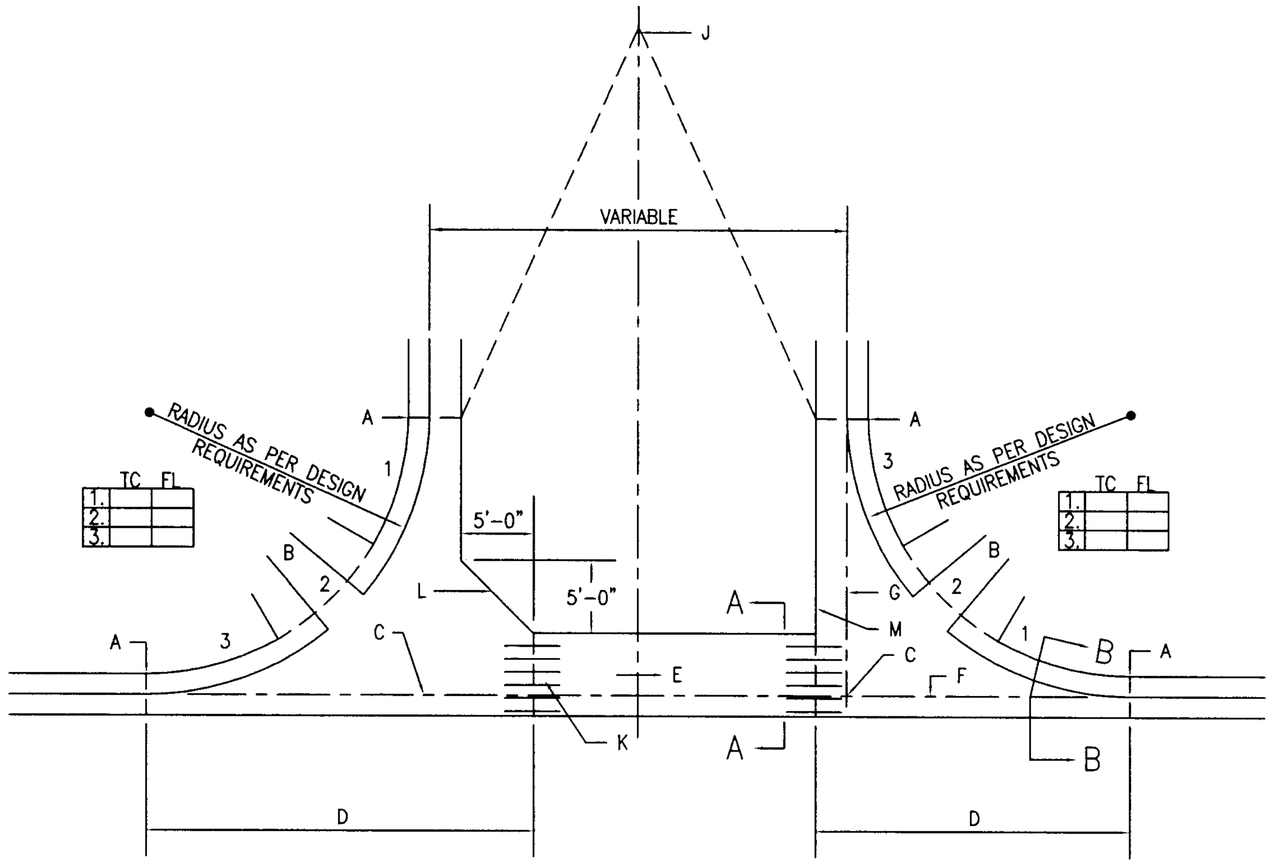
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

DROP INLET FOR TYPE "B" CURBS GRATES, FRAMES, NOSE PLATES AND CENTER SUPPORT BEAMS

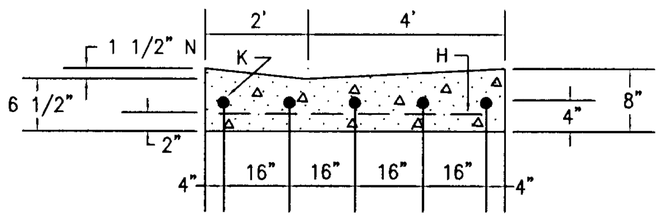
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623-14-3/3 3 of 3

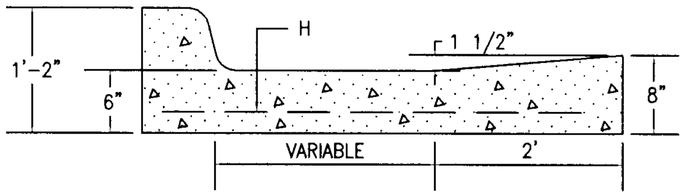
DWG NO.	SHEET	OF
12-12	44	51



PLAN



SECTION A–A



SECTION B–B

GENERAL NOTES:

1. DESIGN ELEVATIONS TO BE GIVEN AT EACH END OF THE CURB RETURN (TOP OF CURB ELEV.) AND AT INTERSECTIONS OF PROJECTED FLOWLINES (FLOWLINE ELEV.).
2. ON UPSTREAM AND DOWNSTREAM ENDS OF THE INTERSECTION, VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF RETURNS.
3. THE VALLEY GUTTER TO BE REINFORCED WITH 6" X 6" X NO. 6 GA. WIRE MESH.
4. INVERT OF VALLEY GUTTER TO EXTEND FROM FLOWLINE OF UPSTREAM CURB RETURN TO FLOWLINE OF DOWNSTREAM CURB RETURN.
5. CURB FLOWLINE AND TOP OF CURB ELEV. SHOWN IN THE BOX CORRESPOND TO QUARTERPOINTS INDICATED ON THE CURB RETURN IN THE CLOCKWISE DIRECTION.
6. – – – – DENOTES 1/2" EXPANSION JOINT.
7. FOR NEW CONSTRUCTION, VALLEY GUTTER SHALL BE CONSTRUCTED PRIOR TO ADJACENT PAVEMENT. ASPHALT CONC. SHALL BE INSTALLED MONOLITHICALLY TO MEET NEW VALLEY GUTTER.
8. PRIOR TO CONSTRUCTION OF NEW VALLEY GUTTER ON EXISTING ACCEPTED STREETS, PAVEMENT SHALL BE REMOVED AS SHOWEN ON PLANS.

CONSTRUCTION NOTES:

A. END OF CURB RETURN, SEE NOTE 1.

B. FOR RAMP DETAILS, SEE DWGS. 2418, 2440, 2441.

C. INTERSECTION OF FLOWLINES, SEE NOTE 1.

D. SURFACE AND CURB TO BE MONOLITHIC.

E. DIRECTION OF FLOW.

F. FLOWLINE.

G. PROJECTED FLOWLINE OF 1 1/2" INVERT, SEE NOTE 2.

H. 6" X 6" NO. 6 GA. WIRE MESH.

J. BEGIN CROWN WARP TO STRAIGHT SECTION WHERE SPECIFIED ON PLANS, OR INDICATED BY THE ENGR.

K. NO. 4 BARS 3'–0" LONG AT 16" O.C.

L. ALTERNATE A, WITH FILLET AS PER PLANS.

M. ALTERNATE B, NO FILLET AS PER PLANS.

N. THE 1 1/2" INVERT DEPTH MAY BE REDUCED TO IMPROVE RIDEABILITY WITH APPROVAL OF ENGINEER.

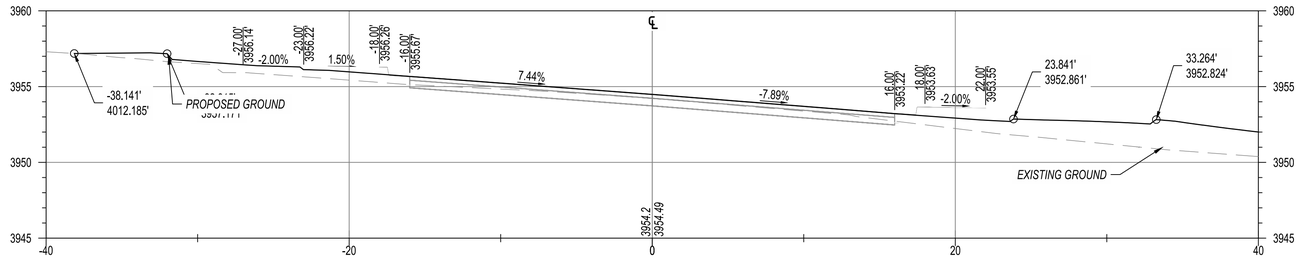
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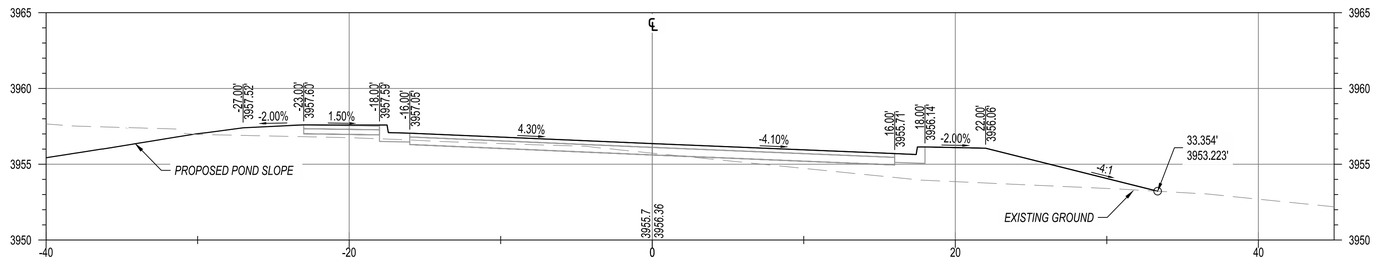
PAVING
CONCRETE VALLEY GUTTER

DWG. 2420

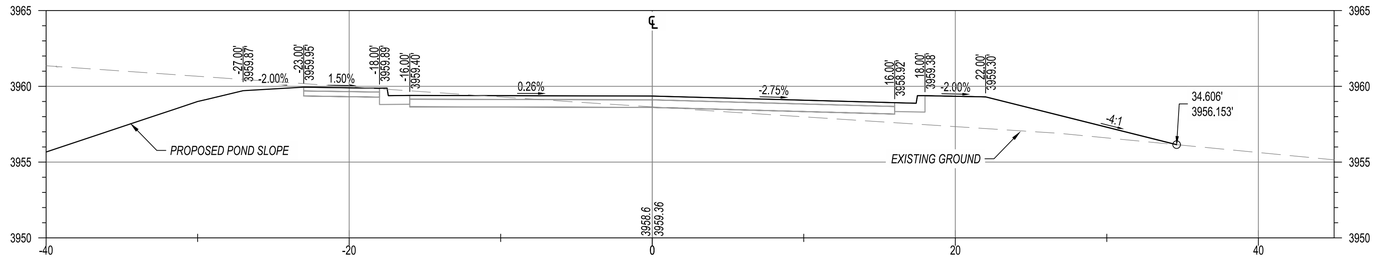
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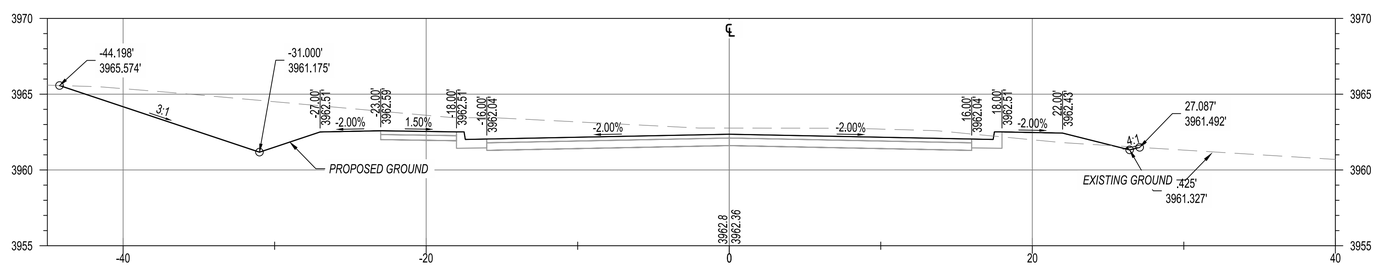
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ENGINEER'S SEAL

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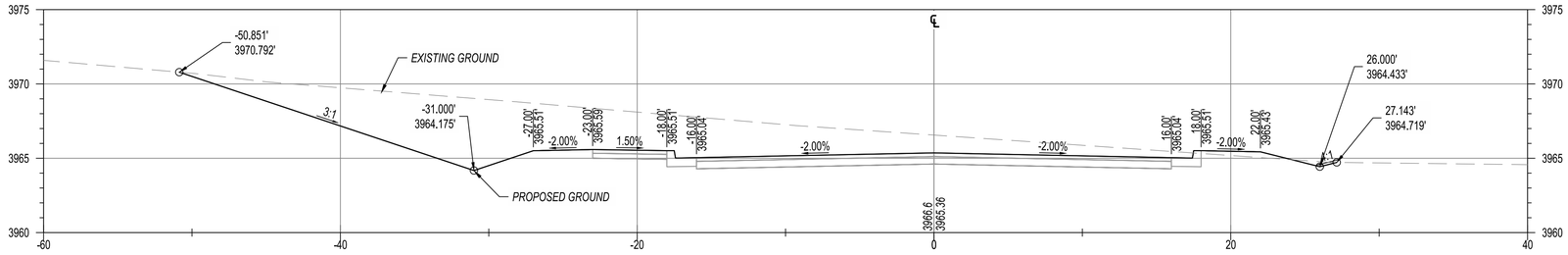
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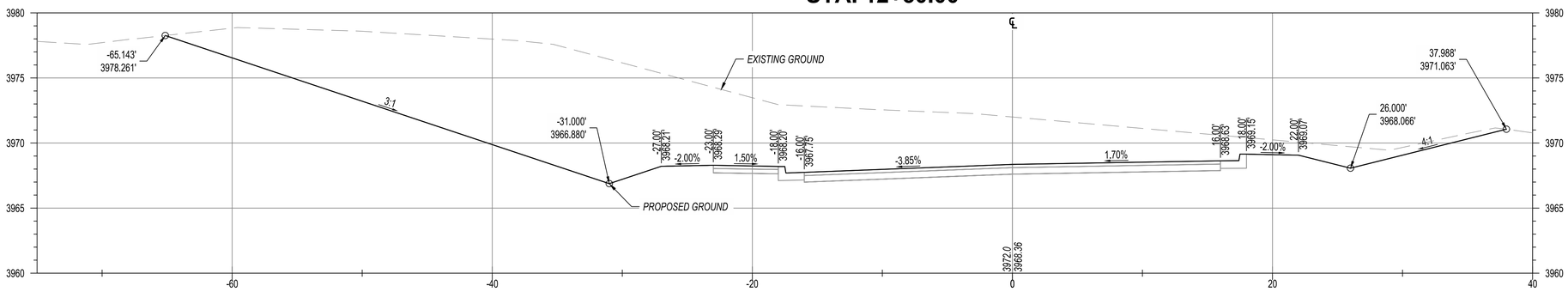
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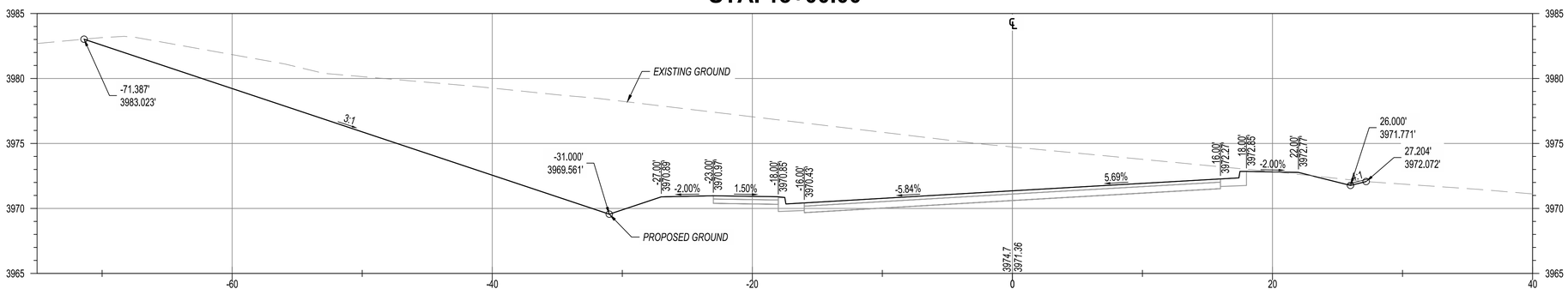
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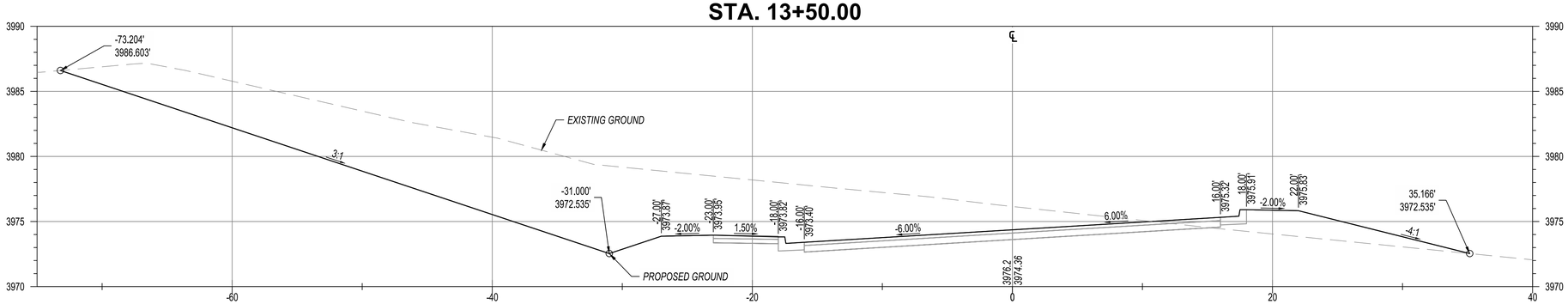
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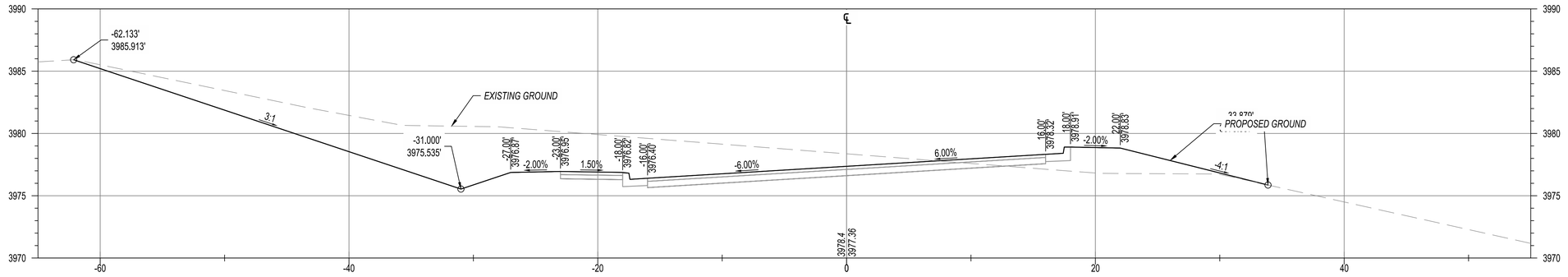
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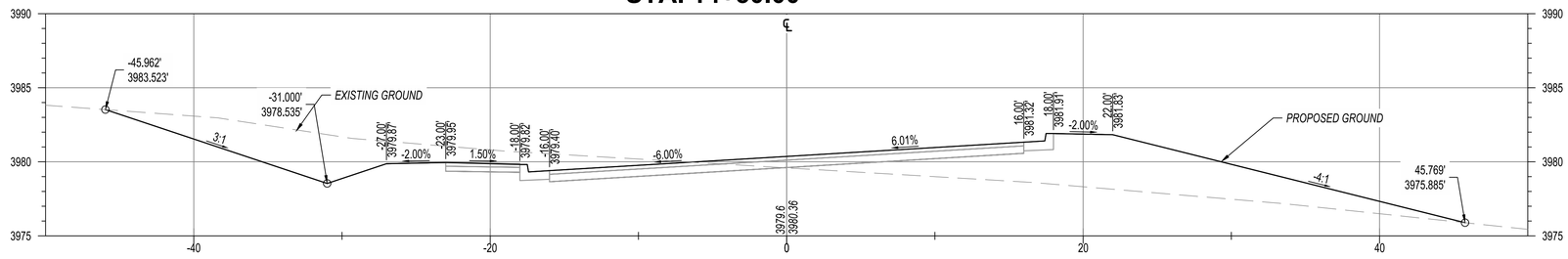
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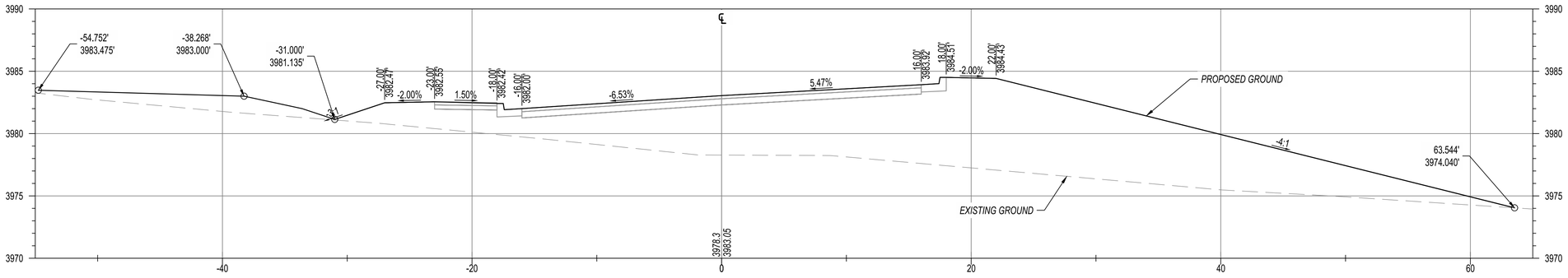
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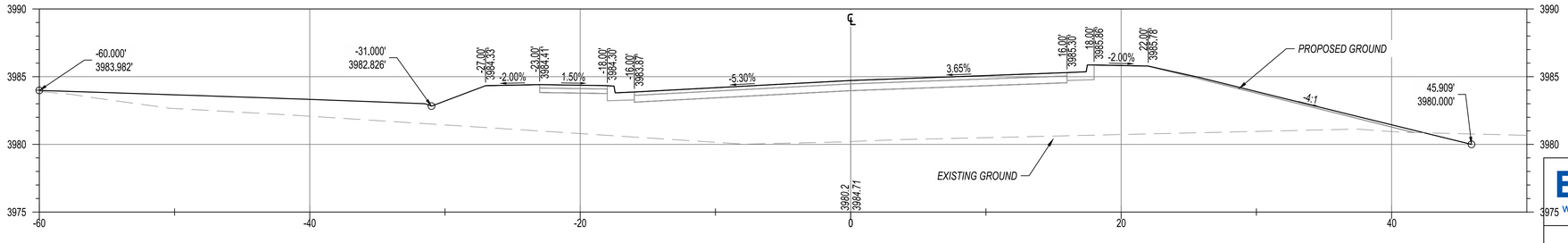
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DESIGN

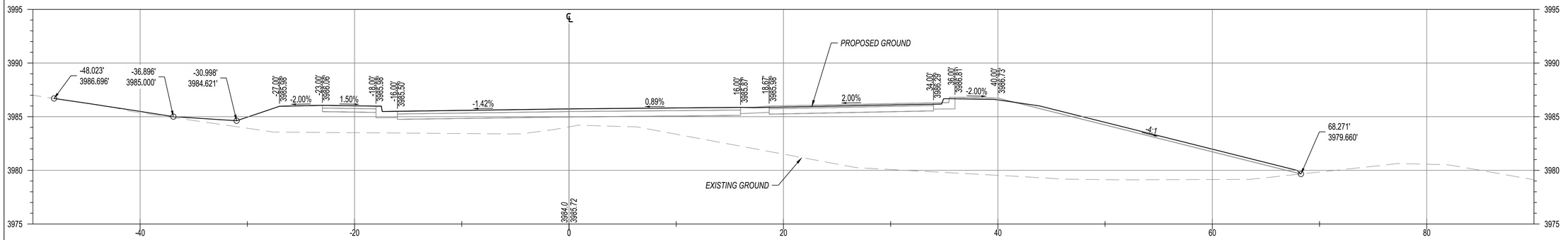
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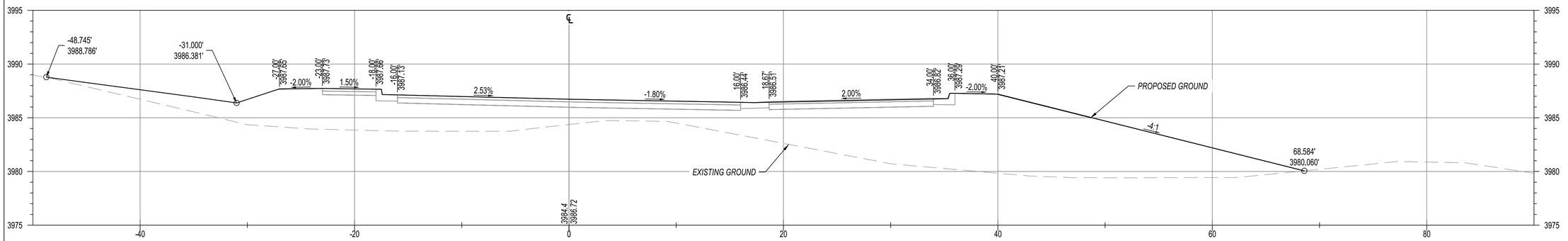
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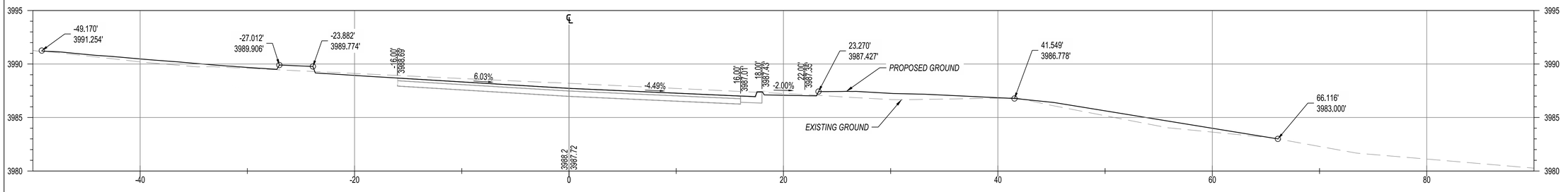
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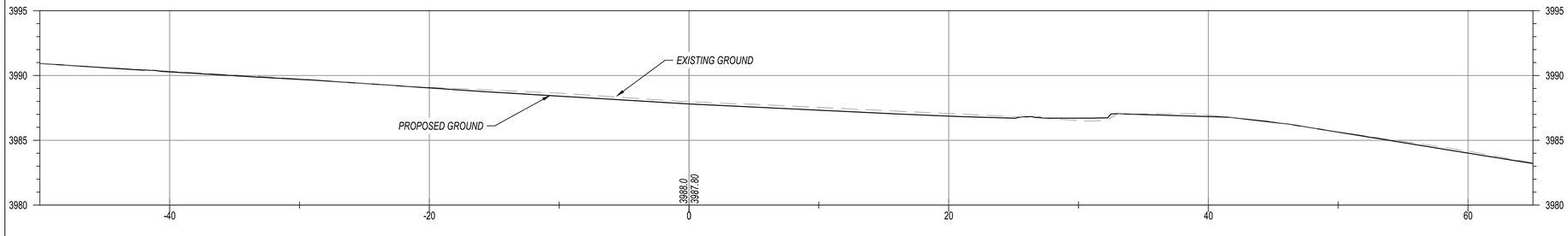
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