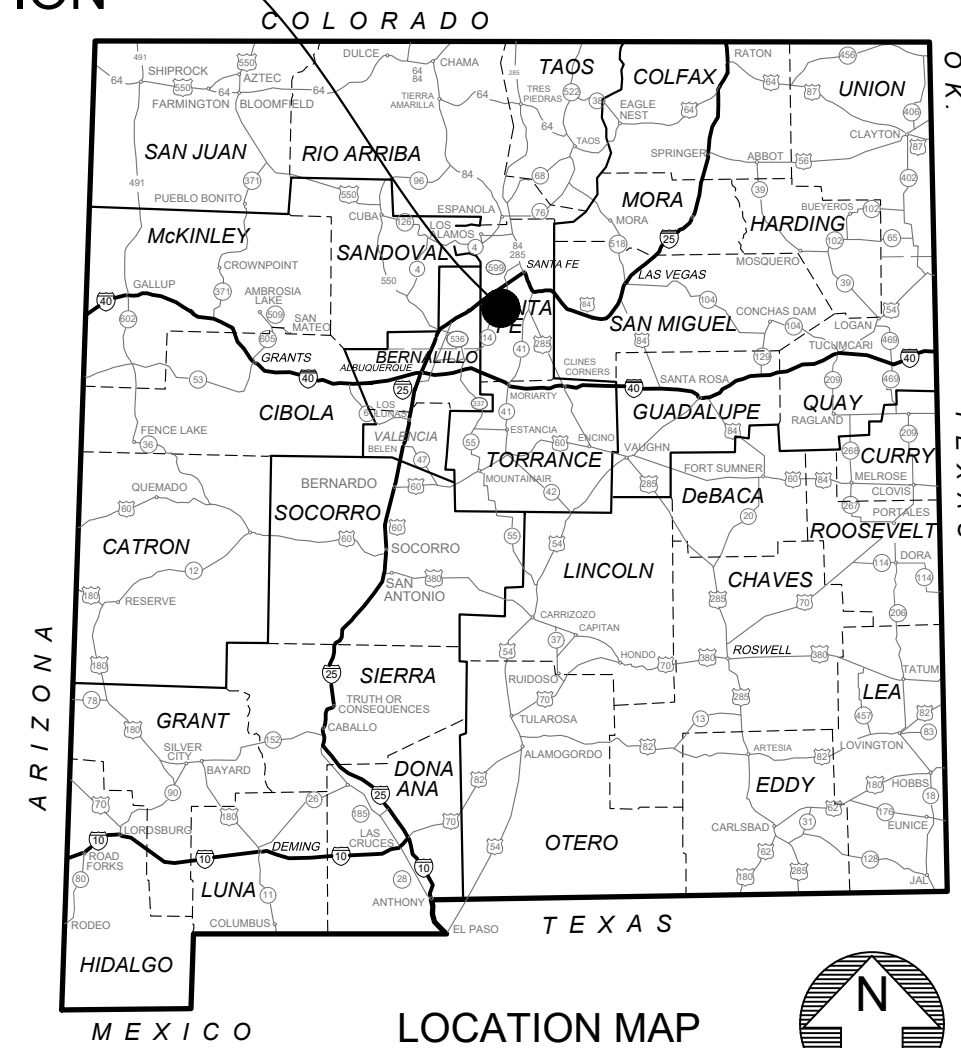


MADRID STORMWATER AND EROSION CONTROL PROJECT

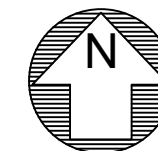
NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT

ABANDONED MINE LANDS PROGRAM

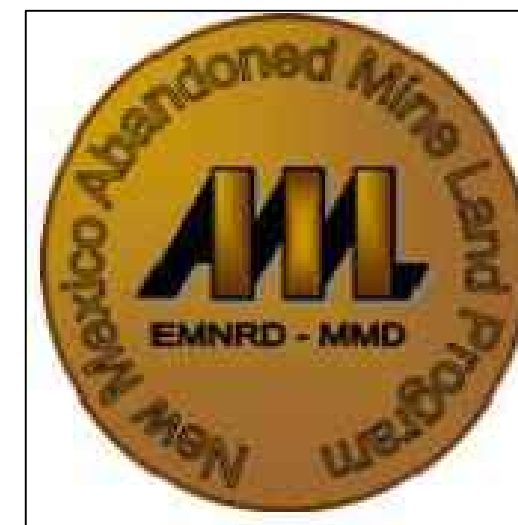
PROJECT LOCATION



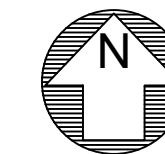
LOCATION MAP NOT TO SCALE



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VICINITY MAP
1" = 5000'



SHEET INDEX

NUMBER	NAME	TITLE	NUMBER	NAME	TITLE	NUMBER	NAME	TITLE	NUMBER	NAME	TITLE
1	G001	COVER	25	C007	ICEHOUSE UPPER INTERCEPTOR PLAN AND PROFILE	49	C201	LOCATION MAP	73	C601	STANDARD DRAWINGS (1 OF 4)
2	G002	GENERAL NOTES	26	C008	BRIDGE STREET PLAN AND PROFILE	50	C202	GENERAL SITE PLAN	74	C602	STANDARD DRAWINGS (2 OF 4)
3	G003	KEY MAP	27	C009	BRIDGE STREET STORM DRAIN PLAN AND PROFILE	51	C203	PROTECTIONS AND REMOVALS PLAN	75	C603	STANDARD DRAWINGS (3 OF 4)
4	G004	ICEHOUSE ROAD/MADRID ARROYO AREA SITE LAYOUT	28	C010	FIREHOUSE LANE PLAN AND PROFILE (1 OF 2)	52	C204	MADRID ARROYO GRADING PLAN	76	C604	STANDARD DRAWINGS (4 OF 4)
5	G005	FIREHOUSE LANE AREA SITE LAYOUT	29	C011	FIREHOUSE LANE PLAN AND PROFILE (2 OF 2)	53	C205	WATER UTILITIES PLAN			
6	G006	MATERIAL SCHEDULES	30	C012	FIREHOUSE INTERCEPTOR PLAN AND PROFILE	54	C206	TRAFFIC CONTROL PLAN			
7	G007	DESIGN/UTILITY CONFLICTS ICEHOUSE ROAD AREA (1 OF 2)	31	C013	MISSING LINK CHANNEL PLAN AND PROFILE	55	C207	ARROYO AND TRAIL PROFILES			
8	G008	DESIGN/UTILITY CONFLICTS ICEHOUSE ROAD AREA (2 OF 2)	32	C014	DOMINGUEZ ROAD CHANNEL PLAN AND PROFILE	56	C208	SITE PLAN AND GRADING PLAN, CAVE ROAD ARROYO CROSSING			
9	G009	DESIGN/UTILITY CONFLICTS FIREHOUSE LANE AREA (1 OF 2)	33	C015	RED DOG ROAD INTERCEPTOR PLAN AND PROFILE (1 OF 2)	57	C209	CONCRETE BOX CULVERT DETAILS			
10	G010	DESIGN/UTILITY CONFLICTS FIREHOUSE LANE AREA (2 OF 2)	34	C016	RED DOG ROAD INTERCEPTOR PLAN AND PROFILE (2 OF 2)	58	C210	CONCRETE BOX CULVERT DETAILS			
11	G011	GEOTECHNICAL SOIL BORINGS LOCATION MAP	35	C101	BETHLEHEM HILL ARROYO CROSS SECTIONS	59	C211	CONCRETE BOX CULVERT DETAILS			
12	G012	STORM WATER CONTROLS DETAILS (1 OF 2)	36	C102	BETHLEHEM HILL ROAD CROSS SECTIONS	60	C212	CAVE ROAD CROSSING DETAILS			
13	G013	STORM WATER CONTROLS DETAILS (1 OF 2)	37	C103	ICEHOUSE CHANNEL CROSS SECTIONS	61	C213	ARROYO GRADE CONTROL STRUCTURE DETAILS			
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16	G016	ICEHOUSE CHANNEL DETAILS	40	C106	ICEHOUSE LOWER INTERCEPTOR CROSS SECTIONS	64	C216	PEDESTRIAN BRIDGE DETAILS			
17	G017	BETHLEHEM POND DETAILS	41	C107	ICEHOUSE UPPER INTERCEPTOR CROSS SECTIONS	65	C217	TYPICAL SECTIONS: ROAD, TRAIL, ARROYO			
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19	C001	BETHLEHEM HILL ARROYO PLAN AND PROFILE	43	C109	FIREHOUSE LANE CROSS SECTIONS (1 OF 2)	67	C219	NE ARROYO IMPROVEMENTS, SITE PLAN			
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21	C003	ICEHOUSE CHANNEL PLAN AND PROFILE	45	C111	FIREHOUSE INTERCEPTOR CROSS SECTIONS	69	C221	NE ARROYO IMPROVEMENTS, GRADE CONTROL STRUCTURE			
22	C004	ICEHOUSE ROAD PLAN AND PROFILE	46	C112	MISSING LINK CHANNEL CROSS SECTIONS	70	C222	PHASE 1 SITE PLAN, SOIL GRADING AND CONTRACTOR STAGING AREA			
23	C005	ICEHOUSE ROAD EXTENSION PLAN AND PROFILE	47	C113	DOMINGUEZ ROAD CHANNEL CROSS SECTIONS	71	C223	PHASE 2 SITE PLAN, SOIL GRADING AND CONTRACTOR STAGING AREA			
24	C006	ICEHOUSE LOWER INTERCEPTOR PLAN AND PROFILE	48	C114	RED DOG ROAD INTERCEPTOR CROSS SECTIONS	72	C224	SOIL DISPOSAL AREA CONSTRUCTION DETAILS			

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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

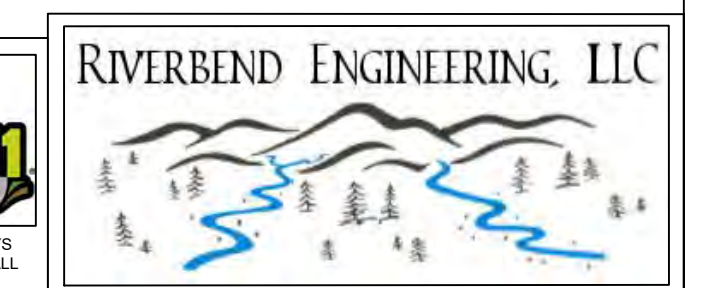
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

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GENERAL NOTES

- THE TECHNICAL SPECIFICATIONS PROVIDED IN THE PROJECT MANUAL (APPENDIX B) AND PROVISIONS THERETO SHALL GOVERN CONSTRUCTION OF THIS PROJECT EXCEPT AS OTHERWISE SHOWN. THE NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION, ARE REFERENCED IN THE DESIGN AND APPLY TO ALL WORK PERFORMED IN THE NM-14 RIGHT OF WAY. NMDOT "STANDARD DRAWINGS" MAY BE FOUND AT THE FOLLOWING INTERNET ADDRESS:
<https://www.dot.nm.gov/infrastructure/plans-specifications-estimates-pse-bureau/standards/>
 NMDOT "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION" MAY BE FOUND AT THE FOLLOWING INTERNET ADDRESS:
<https://www.dot.nm.gov/infrastructure/plans-specifications-estimates-pse-bureau/standards/>
- WHEN COORDINATES AND ELEVATIONS ARE SHOWN HEREIN, THEY REFER TO NAD83 NEW MEXICO STATE PLANES CENTRAL ZONE AND NAVD 88, U.S. FEET.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THE DRAWINGS (SEE SHEET G-010) WERE DETERMINED BY SUBSURFACE UTILITY EXPLORATION IN 2022 BY T2 UTILITY ENGINEERS. THESE UTILITIES ARE APPROXIMATE AND NOT INDEPENDENTLY VERIFIED BY WESTON. OTHER UTILITIES MAY BE PRESENT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION AND EXERCISE DUE DILIGENCE AND CARE TO INVESTIGATE POTENTIAL UTILITIES. UTILITY LOCATION IS INCIDENTAL TO THE WORK AND NO ADDITIONAL PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE EARTHEN MATERIALS IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION APPROVED BY THE NEW MEXICO ENERGY, MINING, AND NATURAL RESOURCES DEPARTMENT. SOLID WASTE AND CONSTRUCTION DEMOLITION DEBRIS SHALL BE TRANSPORTED AND DISPOSED AT A NEW MEXICO PERMITTED LANDFILL FACILITY.
- UNLESS OTHERWISE STATED IN THIS PLAN SET, ALL SIDE SLOPES SHALL BE 3H:1V MAXIMUM, KEEPING SLOPES FLATTER WHEREVER POSSIBLE. NEW SLOPES AND GRADES SHALL TRANSITION SMOOTHLY TO EXISTING GRADES AND EXISTING STRUCTURES IN ALL CASES. THE CONTRACTOR SHALL TRANSITION (WARP) SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT OF WAY OR CONSTRUCTION LIMITS, OR TO AVOID EXISTING STRUCTURES.
- ALL QUANTITIES PROVIDED ON THE PLANS ARE APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR.

SURVEYING NOTES

- AERIAL IMAGERY AND TOPOGRAPHIC MAPPING COMPLETED BY TRI HYDRO CORPORATION WITH GROUND SURVEY DATA COLLECTED BY DENNIS ENGINEERING COMPANY IN FEBRUARY 2021. SUPPLEMENTAL SURVEYING IN SELECTED AREAS WAS PREPARED BY HIGH MESA CONSULTING GROUP IN FEBRUARY 2024.
- SURVEY DATA ARE IN THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (NAD83, CENTRAL ZONE) IN GROUND COORDINATES WITH A SCALE FACTOR OF 1.00029356794 AND NAVD88 VERTICAL DATUM.

TRAFFIC CONTROL

- CONTRACTOR SHALL PREPARE TRAFFIC CONTROL PLANS FOR NM-14 AND LOCAL ROADS. PREPARATION AND MAINTENANCE OF TRAFFIC CONTROL SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL BID ITEM.
- DIVERT TRAFFIC AROUND CONSTRUCTION ZONES UTILIZING LANE CLOSURES. DO NOT DIVERT TRAFFIC ON LOCAL ROADS. FOLLOW THE NMDOT STANDARD DRAWING 701-11-1/1 FOR LANE TRANSITION REQUIREMENTS
- CAVE ROAD IS MAINTAINED BY THE COUNTY OF SANTA FE. OBTAIN A TRAFFIC CONTROL PERMIT FROM THE SANTA FE COUNTY PUBLIC WORKS DEPARTMENT.
- AN NMDOT TRAFFIC CONTROL/ROADWAY WORK PERMIT IS REQUIRED FOR ALL WORK PERFORMED WITHIN THE NMDOT RIGHT OF WAY. PREPARE TRAFFIC CONTROL PLAN (TCP) ACCORDING TO NMDOT STANDARD DRAWINGS FOR HIGHWAY AND BRIDGE CONSTRUCTION (2019)

MITIGATION MEASURES NOTES

SOIL AND WATER

THE CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND OBTAIN REQUIRED NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE FOR CONSTRUCTION ACTIVITY FROM THE USEPA AS REQUIRED UNDER THE CLEAN WATER ACT. BEST MANAGEMENT PRACTICES (BMPs) SHALL BE USED TO PREVENT EROSION AND TRANSPORT OF SEDIMENT (SEE NMDOT STANDARD DRAWINGS 603-01-1/7 THROUGH 7/7). THE SWPPP SHALL INCLUDE THE PROPOSED CONSTRUCTION STAGING AREA AND TEMPORARY SANITARY FACILITIES. SHOW LOCATION OF ALL BMPs INCLUDING CHECK DAMS, SILT FENCES, INLET PROTECTION, STRAW SOCK, OR OTHER BEST MANAGEMENT PRACTICES (BMP) THAT ARE REQUIRED IN THE APPROVED SWPPP PER THE NMDOT NPDES MANUAL AT THE FOLLOWING INTERNET LOCATION:
<https://www.dot.nm.gov/wp-content/uploads/2024/01/NMDOT-NPDES-Manual-Rev-4-2023.pdf>
 STORMWATER MANAGEMENT AND STORMWATER DIVERSION DURING CONSTRUCTION SHALL BE PERFORMED BY THE CONTRACTOR. ALL WORK ASSOCIATED WITH STORMWATER MANAGEMENT AND STORMWATER DIVERSION DURING CONSTRUCTION SHALL BE INCLUDED IN SWPPP PLAN PREPARATION AND MAINTENANCE BID ITEM.

AT THE COMPLETION OF CONSTRUCTION, REVEGETATION AND RESTORATION OF DISTURBED AREAS WILL BE CONDUCTED. REVEGETATION SHALL INCLUDE MULCHING AND SEEDING OF EXPOSED AREAS WITH SPECIFIED SEED MIX PROVIDED IN THE TECHNICAL SPECIFICATIONS AND LANDSCAPING PLANS PROVIDED BY OTHERS.

UPON COMPLETION OF CONSTRUCTION, TEMPORARY EROSION AND SEDIMENT CONTROLS WILL BE REMOVED ONCE THE PROJECT AREA IS STABILIZED AS DETERMINED BY THE AML PROGRAM MANAGER.

IN THE EVENT OF AN UNEXPECTED RELEASE OF HAZARDOUS MATERIALS DURING CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE FOR REPORTING, CLEANUP, AND DISPOSAL OF ANY CONTAMINATED SOILS. CONTRACTOR SHALL BE REQUIRED TO REPORT SPILLS OF GASOLINE, SOLVENTS, AND OTHER CHEMICALS OF REPORTABLE QUANTITIES TO THE AML PROGRAM MANAGER.

AIR QUALITY

EXPOSED AND DISTURBED SOIL SURFACES SHALL BE WATERED AT A FREQUENCY SUFFICIENT TO AVOID FUGITIVE DUST. EARTHMOVING AND OTHER DUST-PRODUCING ACTIVITIES WILL BE SUSPENDED DURING PERIODS OF HIGH WINDS, WHEN DUST CONTROL EFFORTS ARE UNABLE TO PREVENT FUGITIVE DUST. STOCKPILES OF DEBRIS, SOIL, SAND, OR OTHER MATERIALS WILL BE WATERED OR COVERED. ANY MATERIALS TRANSPORTED ON-SITE BY TRUCK SHALL BE COVERED. SOIL DISTURBANCE WILL BE MINIMIZED AND NATIVE VEGETATION AND TOPSOIL WILL BE RETAINED WHERE POSSIBLE. CONSTRUCTION CONTRACTORS SHALL ENSURE THAT CONSTRUCTION EQUIPMENT AND VEHICLES USE APPROVED EMISSION CONTROL DEVICES AND LIMIT UNNECESSARY IDLING.

VEGETATION AND WILDLIFE

AS NEEDED, EXPOSED DISTURBED AREAS WITHIN THE PROJECT AREA SHALL BE REPLANTED WITH CERTIFIED WEED-FREE NATIVE VEGETATION AFTER CONSTRUCTION. TRENCHES SHALL BE BURIED CONCURRENTLY TO REDUCE TRAPPING SMALL MAMMALS AND REPTILES.

CULTURAL RESOURCES

IF CULTURAL MATERIALS OR HUMAN BURIALS ARE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, WORK IN THE AREA SHALL STOP, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE NM EMNRD PROJECT MANAGER AT 505-629-9677.

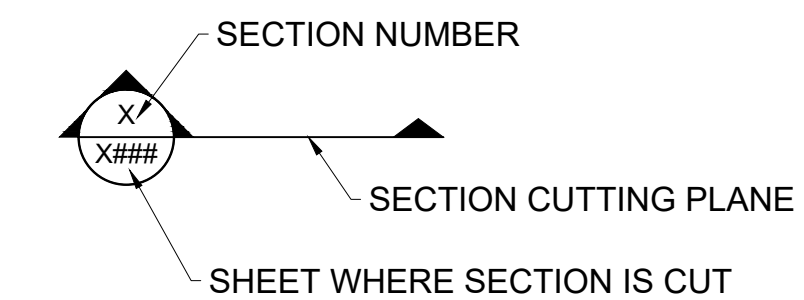
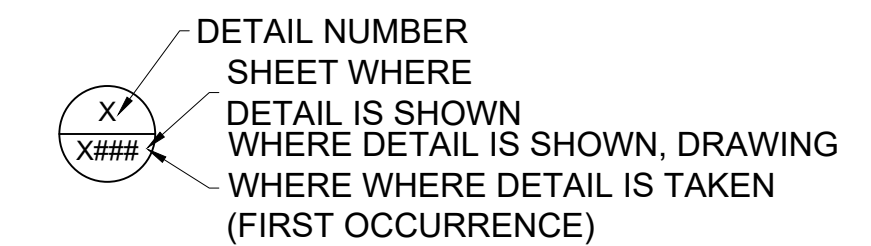
CONSTRUCTION ACTIVITIES

- CONTRACTOR LAYDOWN AREA AND VEHICLE PARKING AREAS WILL BE IDENTIFIED DURING PRE-CONSTRUCTION MEETING. CONSTRUCTION CONTRACTORS WILL BE REQUIRED TO LIMIT CONSTRUCTION EQUIPMENT AND VEHICLE USE TO DAYTIME HOURS. CONSTRUCTION CONTRACTORS SHALL BE REQUIRED TO ENSURE THAT CONSTRUCTION EQUIPMENT AND OTHER EQUIPMENT HAVE WORKING MUFFLERS AND OTHER NOISE CONTROL DEVICES.
- SOIL ACCUMULATED FROM EXCAVATION ACTIVITIES AND NOT USED IN THE WORK SHALL BE TRANSPORTED AND DISPOSED AT THE SOIL STOCKPILE LOCATED NORTH OF THE MADRID BALL PARK - A MAXIMUM DISTANCE OF ONE MILE. SEE DWG NO. C222

LEGEND

	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING FENCE
	PROPOSED RETAINING WALL
	PROJECT LIMITS
	BUILDING
	PROPOSED CULVERT
	ROCK OR RIPRAP
	CONCRETE
	GRAVEL SURFACING
	PLUNGE POOL

DETAIL AND SECTION REFERENCES



UTILITY CONTACT INFORMATION			
OWNER	UTILITY	CONTACT	PHONE
LUMEN (CENTURYLINK)	TELEPHONE/FIBER OPTIC	GARY NELSON	(505) 886-4678
MADRID COOP	WATER	REBECCA NAFFEY	(505) 438-1819
NMDOT	STORM DRAIN	ANTONIO GRIEGO	(505) 470-4967
PNM - DISTRIBUTION	ELECTRIC	ERIC WINKLER	(505) 473-3209



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VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

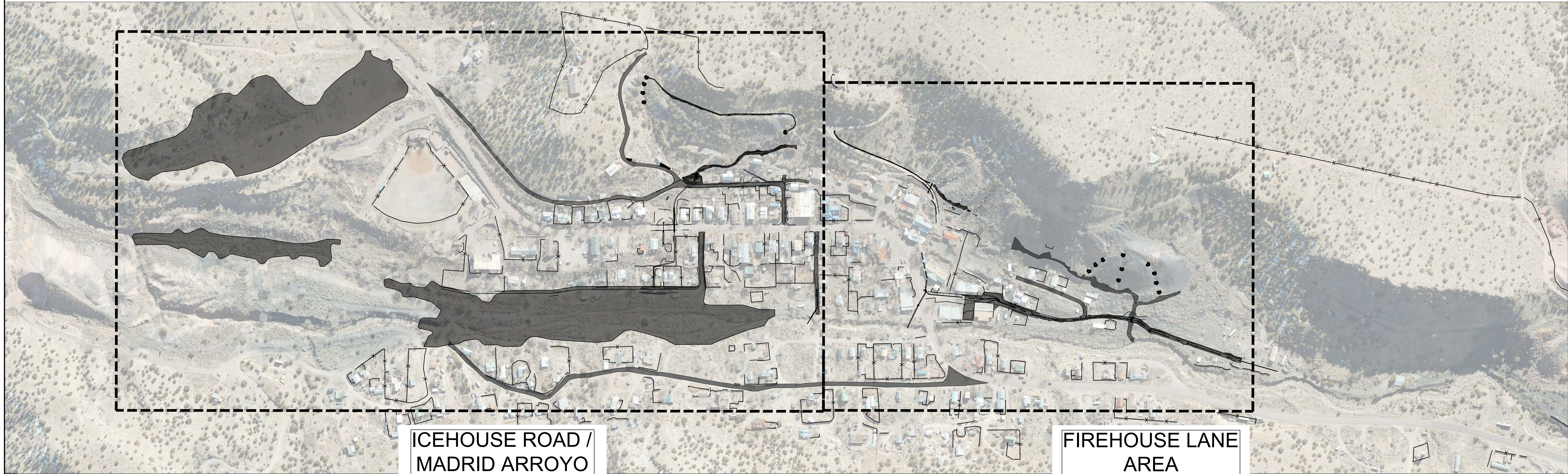
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GENERAL NOTES

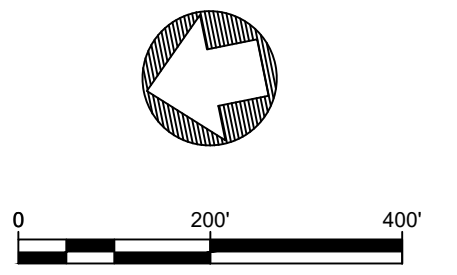
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**ICEHOUSE ROAD /
MADRID ARROYO
AREA**
SEE SHEET G004

**FIREHOUSE LANE
AREA**
SEE SHEET G005



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**VILLAGE OF MADRID, NM
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MADRID NEW MEXICO

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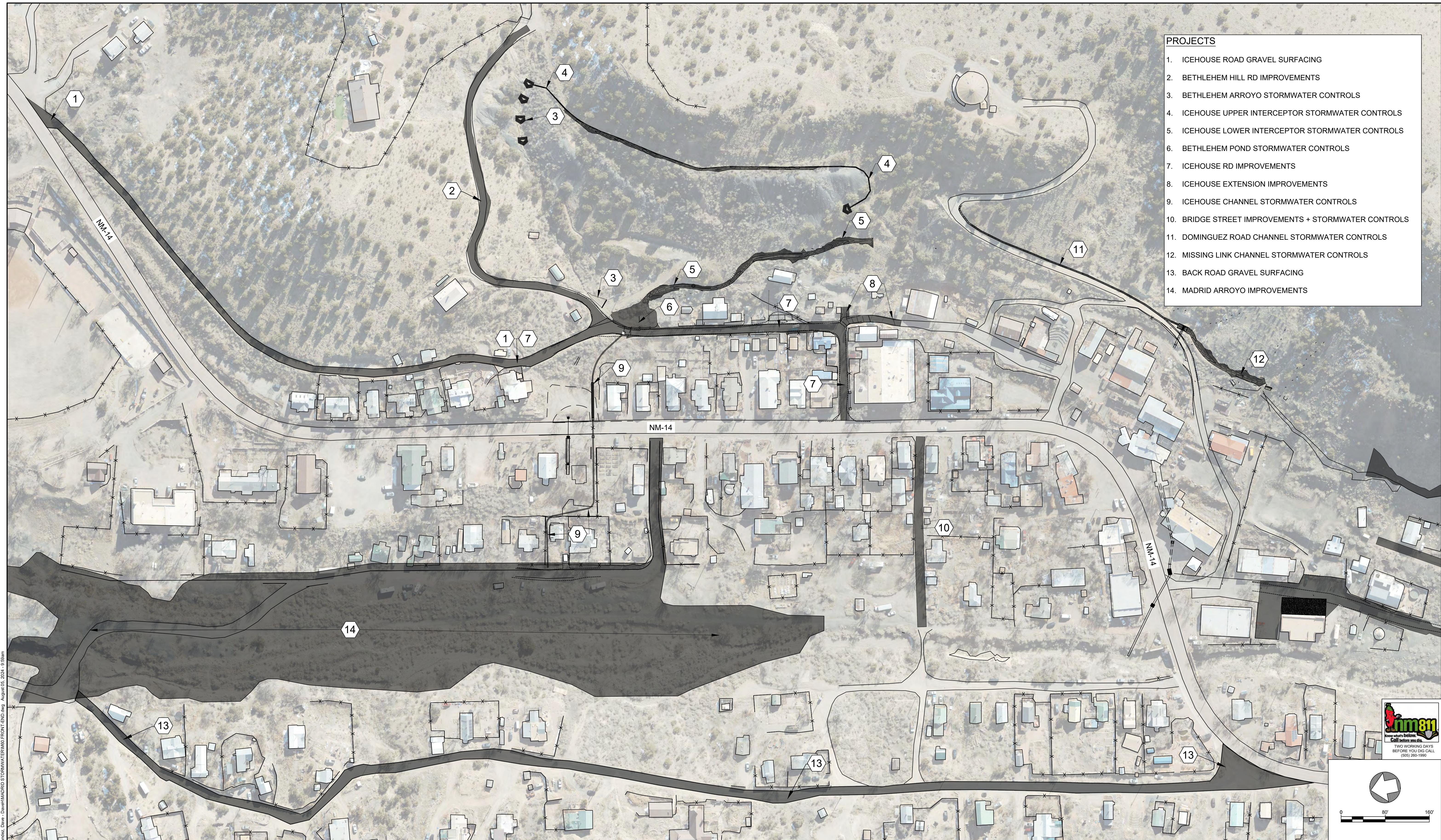
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KEY MAP

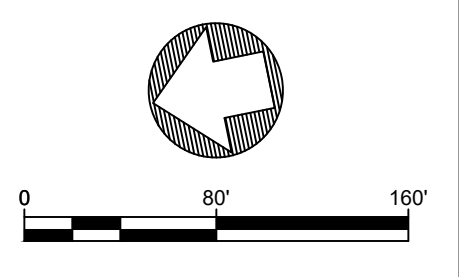
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- PROJECTS**
1. ICEHOUSE ROAD GRAVEL SURFACING
 2. BETHLEHEM HILL RD IMPROVEMENTS
 3. BETHLEHEM ARROYO STORMWATER CONTROLS
 4. ICEHOUSE UPPER INTERCEPTOR STORMWATER CONTROLS
 5. ICEHOUSE LOWER INTERCEPTOR STORMWATER CONTROLS
 6. BETHLEHEM POND STORMWATER CONTROLS
 7. ICEHOUSE RD IMPROVEMENTS
 8. ICEHOUSE EXTENSION IMPROVEMENTS
 9. ICEHOUSE CHANNEL STORMWATER CONTROLS
 10. BRIDGE STREET IMPROVEMENTS + STORMWATER CONTROLS
 11. DOMINGUEZ ROAD CHANNEL STORMWATER CONTROLS
 12. MISSING LINK CHANNEL STORMWATER CONTROLS
 13. BACK ROAD GRAVEL SURFACING
 14. MADRID ARROYO IMPROVEMENTS

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**VILLAGE OF MADRID, NM
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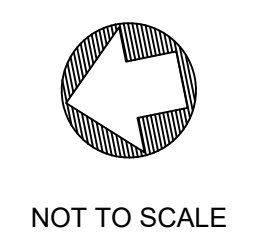
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**ICEHOUSE ROAD/MADRID ARROYO AREA
SITE LAYOUT**

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- PROJECTS**
1. DOMINGUEZ ROAD STORMWATER CONTROLS
 2. MISSING LINK STORMWATER CONTROLS
 3. RED DOG ROAD STORMWATER CONTROLS
 4. FIREHOUSE STORMWATER CONTROLS
 5. RED DOG ROAD GRAVEL SURFACING
 6. FIREHOUSE LANE IMPROVEMENTS
 7. BACK ROAD GRAVEL SURFACING



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FIREHOUSE LANE AREA SITE LAYOUT							
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LEGEND

UTILITY LINETYPES

- E — E — ELECTRIC LINE
- OHE — OHE — OVERHEAD ELECTRIC LINE
- T — T — TELEPHONE LINE
- OHT — OHT — OVERHEAD TELEPHONE LINE
- FOT — FOT — FIBER OPTIC TELEPHONE LINE
- SD — SD — STORM DRAINAGE LINE
- W — W — WATER LINE
- UNK — UNK — UNKNOWN UTILITY LINE

UTILITY SYMBOLS

- CAB — ELECTRIC CABINET
- J — ELECTRIC JUNCTION BOX
- E — ELECTRIC MANHOLE
- M — ELECTRIC METER
- T — ELECTRIC TRANSFORMER
- LIGHT - ARM
- CAB — TELEPHONE CABINET
- T — TELEPHONE MANHOLE
- RISER — TELEPHONE RISER
- CB — CATCH BASIN
- SD — STORM DRAIN MANHOLE
- FH — FIRE HYDRANT
- WM — WATER METER
- WV — WATER VALVE
- WW — WATER WELL
- UP — UTILITY POLE
- EC — EDGE OF CONCRETE
- GA — GUY ANCHOR

UTILITY CONFLICT SYMBOLS

- △ — END/ LOSS OF SIGNAL
- ∩ — LIMITS OF ASCE 38 INVESTIGATION
- X — CHANGE OF ASCE 38 QUALITY LEVEL
- └ — END OF UTILITY LINE
- ↳ — LINE LEADS TOWARD BUILDING/INTO PRIVATE PROPERTY
- COP-36"VCP-QLD (UTILITY OWNER)-(SIZE AND/OR TYPE)-(ASCE QUALITY LEVEL)
- POINT NO. EXISTING GROUND ELEVATION
- DEPTH TO TOP EXISTING UTILITY TYPE
- SUE POT HOLE LOCATION POINT
- AREA OF UTILITY VS. DESIGN CONFLICT
- DESIGN INTERFERES WITH WATER LINES. EXPLANATION OF CONFLICTS

0 30' 60'
HORIZONTAL

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**DESIGN/UTILITY CONFLICTS
ICEHOUSE ROAD AREA
(1 OF 2)**

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LEGEND

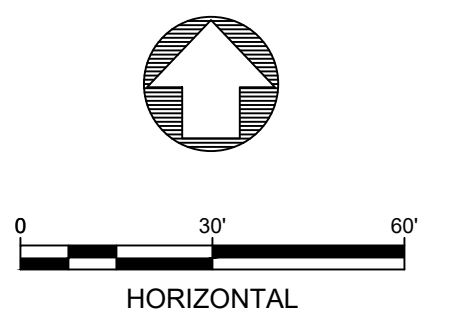
UTILITY LINETYPES	
E	ELECTRIC LINE
OHE	OVERHEAD ELECTRIC LINE
T	TELEPHONE LINE
OHT	OVERHEAD TELEPHONE LINE
FOT	FIBER OPTIC TELEPHONE LINE
SD	STORM DRAINAGE LINE
W	WATER LINE
UNK	UNKNOWN UTILITY LINE
---	ASCE 38 INVESTIGATION BOUNDARY LINE
Δ	END/ LOSS OF SIGNAL
S	LIMITS OF ASCE 38 INVESTIGATION
X	CHANGE OF ASCE 38 QUALITY LEVEL
L	END OF UTILITY LINE
▲	LINE LEADS TOWARD BUILDING/INTO PRIVATE PROPERTY
COP-36°VCP-QLD	(UTILITY OWNER)-(SIZE AND/OR TYPE)- (ASCE QUALITY LEVEL)

UTILITY SYMBOLS

⊠	ELECTRIC CABINET
⊞	ELECTRIC JUNCTION BOX
⊞	ELECTRIC MANHOLE
⊞	ELECTRIC METER
⊞	ELECTRIC TRANSFORMER
⊞	LIGHT - ARM
⊞	TELEPHONE CABINET
⊞	TELEPHONE MANHOLE
⊞	TELEPHONE RISER
⊞	CATCH BASIN
⊞	STORM DRAIN MANHOLE
⊞	FIRE HYDRANT
⊞	WATER METER
⊞	WATER VALVE
⊞	WATER WELL
⊞	UTILITY POLE
⊞	EDGE OF CONCRETE
⊞	GUY ANCHOR

UTILITY CONFLICT SYMBOLS

⊞	POINT NO. EXISTING GROUND ELEVATION
⊞	DEPTH TO TOP EXISTING UTILITY TYPE
⊞	SUE POTHOLE LOCATION POINT
☁	AREA OF UTILITY Vs. DESIGN CONFLICT
⊞	DESIGN INTERFERES WITH WATER LINES. EXPLANATION OF CONFLICTS



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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	DATE	CLIENT APPROVALS	DATE
NAH	AUG 24		
DES. ENG.	SLJ		AUG 24
PROJ. ENG.	RGE		AUG 24
PROJ. MGR.	TDB		AUG 24
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APPROVED			

**DESIGN/UTILITY CONFLICTS
ICEHOUSE ROAD AREA
(2 OF 2)**

DRAWN	RW	DATE	---	DWG. NO.	G008	REV. NO.	A
SCALE		W.O. NO.		SHT.	8	OF	76

15740.001.003



LEGEND

UTILITY LINETYPES

- E — ELECTRIC LINE
- OHE — OVERHEAD ELECTRIC LINE
- T — TELEPHONE LINE
- OHT — OVERHEAD TELEPHONE LINE
- FOT — FIBER OPTIC TELEPHONE LINE
- SD — STORM DRAINAGE LINE
- W — WATER LINE
- UNK — UNKNOWN UTILITY LINE
- ASCE 38 INVESTIGATION BOUNDARY LINE
- END/ LOSS OF SIGNAL
- LIMITS OF ASCE 38 INVESTIGATION
- CHANGE OF ASCE 38 QUALITY LEVEL
- END OF UTILITY LINE
- LINE LEADS TOWARD BUILDING/INTO PRIVATE PROPERTY (UTILITY OWNER)-(SIZE AND/OR TYPE)-(ASCE QUALITY LEVEL)

UTILITY SYMBOLS

- CAB — ELECTRIC CABINET
- J — ELECTRIC JUNCTION BOX
- E — ELECTRIC MANHOLE
- M — ELECTRIC METER
- T — ELECTRIC TRANSFORMER
- L — LIGHT - ARM
- CAB — TELEPHONE CABINET
- T — TELEPHONE MANHOLE
- R — TELEPHONE RISER
- CB — CATCH BASIN
- DM — STORM DRAIN MANHOLE
- FH — FIRE HYDRANT
- WM — WATER METER
- WV — WATER VALVE
- WW — WATER WELL
- UP — UTILITY POLE
- EC — EDGE OF CONCRETE
- GA — GUY ANCHOR

UTILITY CONFLICT SYMBOLS

- POINT NO. EXISTING GROUND ELEVATION
- DEPTH TO TOP EXISTING UTILITY TYPE
- SUE POTHOLE LOCATION POINT
- AREA OF UTILITY Vs. DESIGN CONFLICT
- DESIGN INTERFERES WITH COMM LINES.
- EXPLANATION OF CONFLICTS

COP-36*VCP-QLD

0 30' 60'
HORIZONTAL

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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

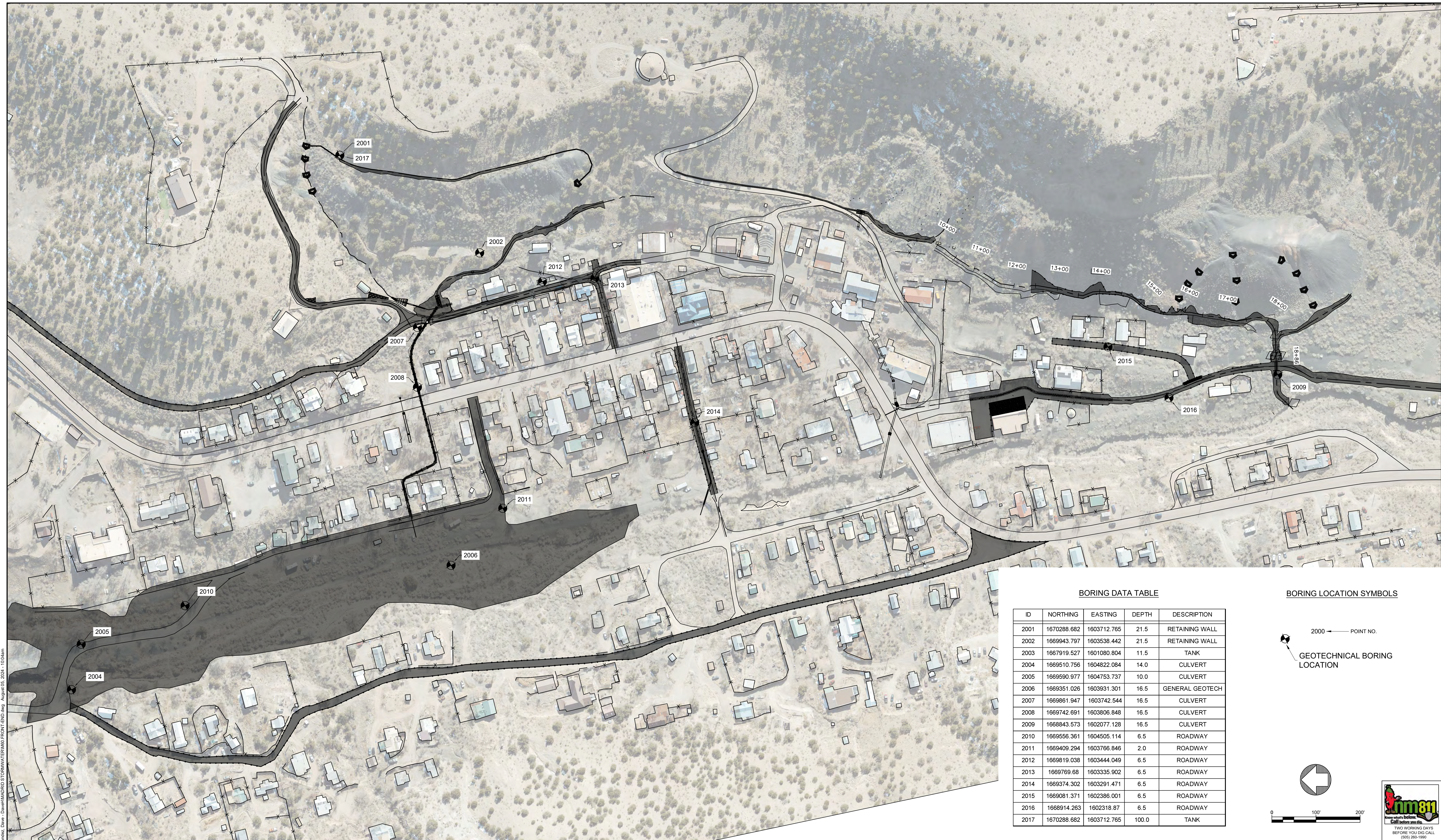
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PROJ. ENG. RGE	AUG 24		
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**DESIGN/UTILITY CONFLICTS
FIREHOUSE LANE AREA
(2 OF 2)**

DRAWN	RW	DATE	---	DWG. NO.	G010	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	10	OF	76

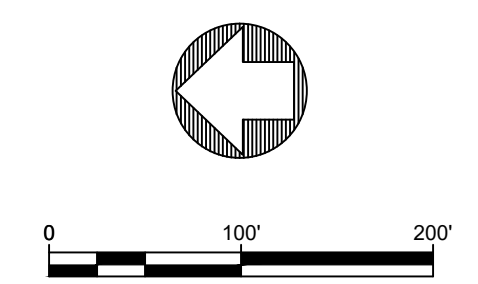
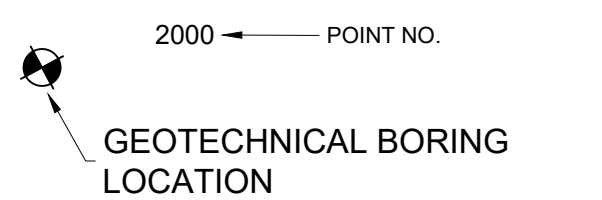
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BORING DATA TABLE

ID	NORTHING	EASTING	DEPTH	DESCRIPTION
2001	1670288.682	1603712.765	21.5	RETAINING WALL
2002	1669943.797	1603538.442	21.5	RETAINING WALL
2003	1667919.527	1601080.804	11.5	TANK
2004	1669510.756	1604822.084	14.0	CULVERT
2005	1669590.977	1604753.737	10.0	CULVERT
2006	1669351.026	1603931.301	16.5	GENERAL GEOTECH
2007	1669861.947	1603742.544	16.5	CULVERT
2008	1669742.691	1603806.848	16.5	CULVERT
2009	1668843.573	1602077.128	16.5	CULVERT
2010	1669556.361	1604505.114	6.5	ROADWAY
2011	1669409.294	1603766.846	2.0	ROADWAY
2012	1669819.038	1603444.049	6.5	ROADWAY
2013	1669769.68	1603335.902	6.5	ROADWAY
2014	1669374.302	1603291.471	6.5	ROADWAY
2015	1669081.371	1602386.001	6.5	ROADWAY
2016	1668914.263	1602318.87	6.5	ROADWAY
2017	1670288.682	1603712.765	100.0	TANK

BORING LOCATION SYMBOLS



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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

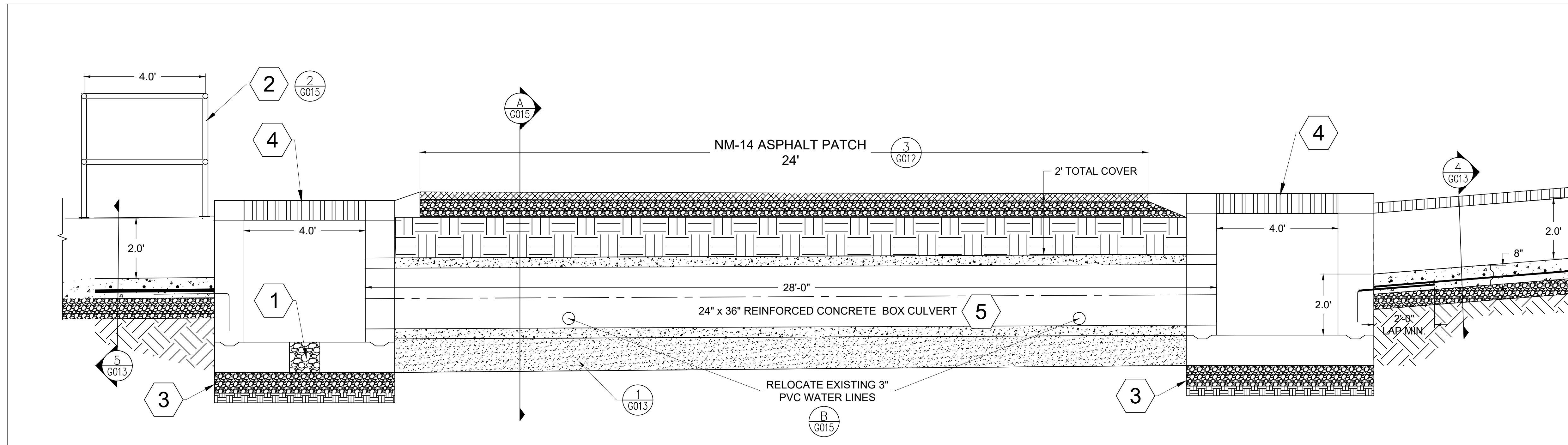
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	DATE	CLIENT APPROVALS	DATE
NAH	AUG 24		
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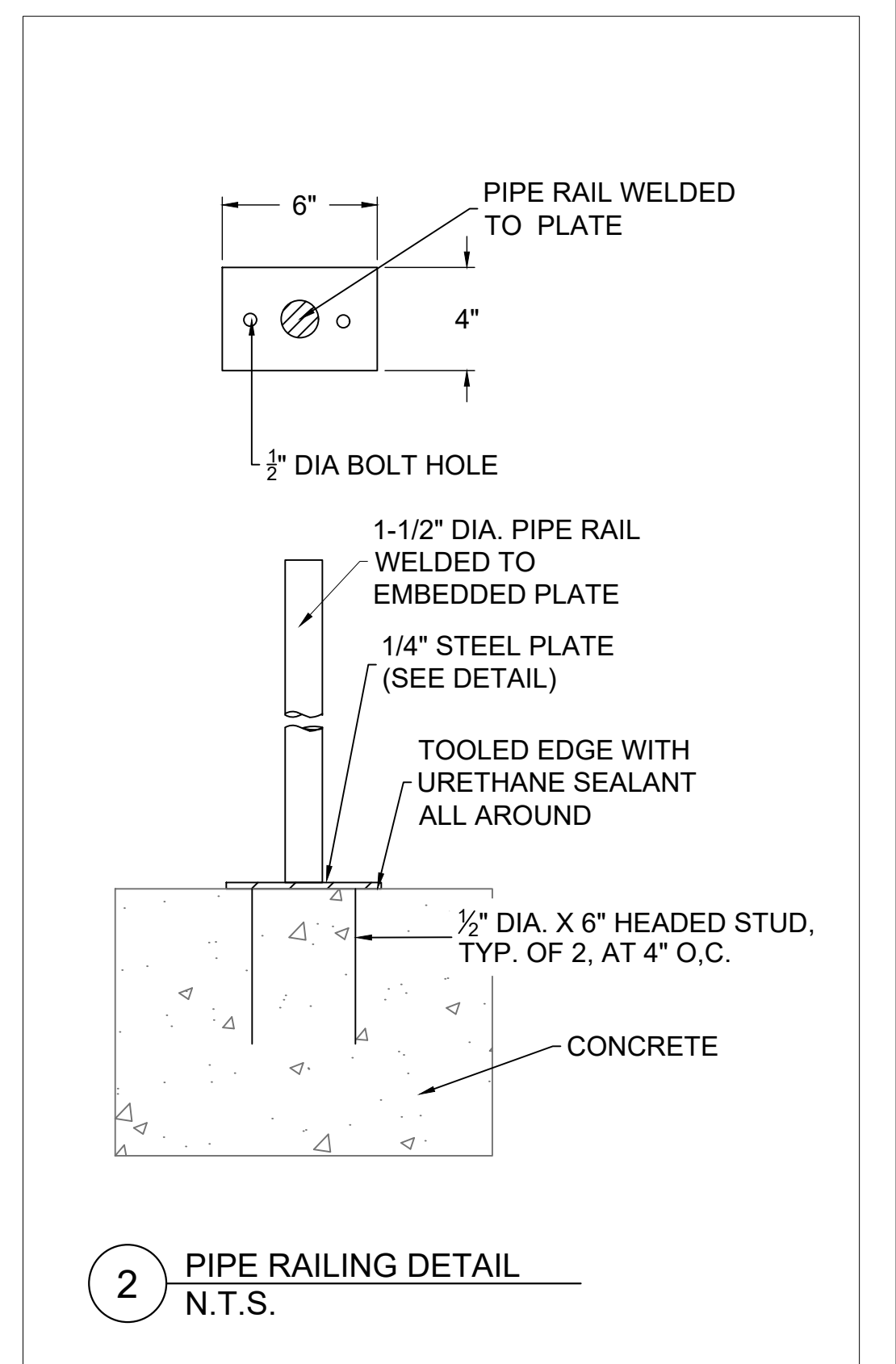
**GEOTECHNICAL SOIL BORINGS
LOCATION MAP**

DRAWN	RW	DATE	---	DWG. NO.	G011	REV. NO.	A
SCALE		W.O. NO.					
		15740.001.003		SHT	11	OF	76

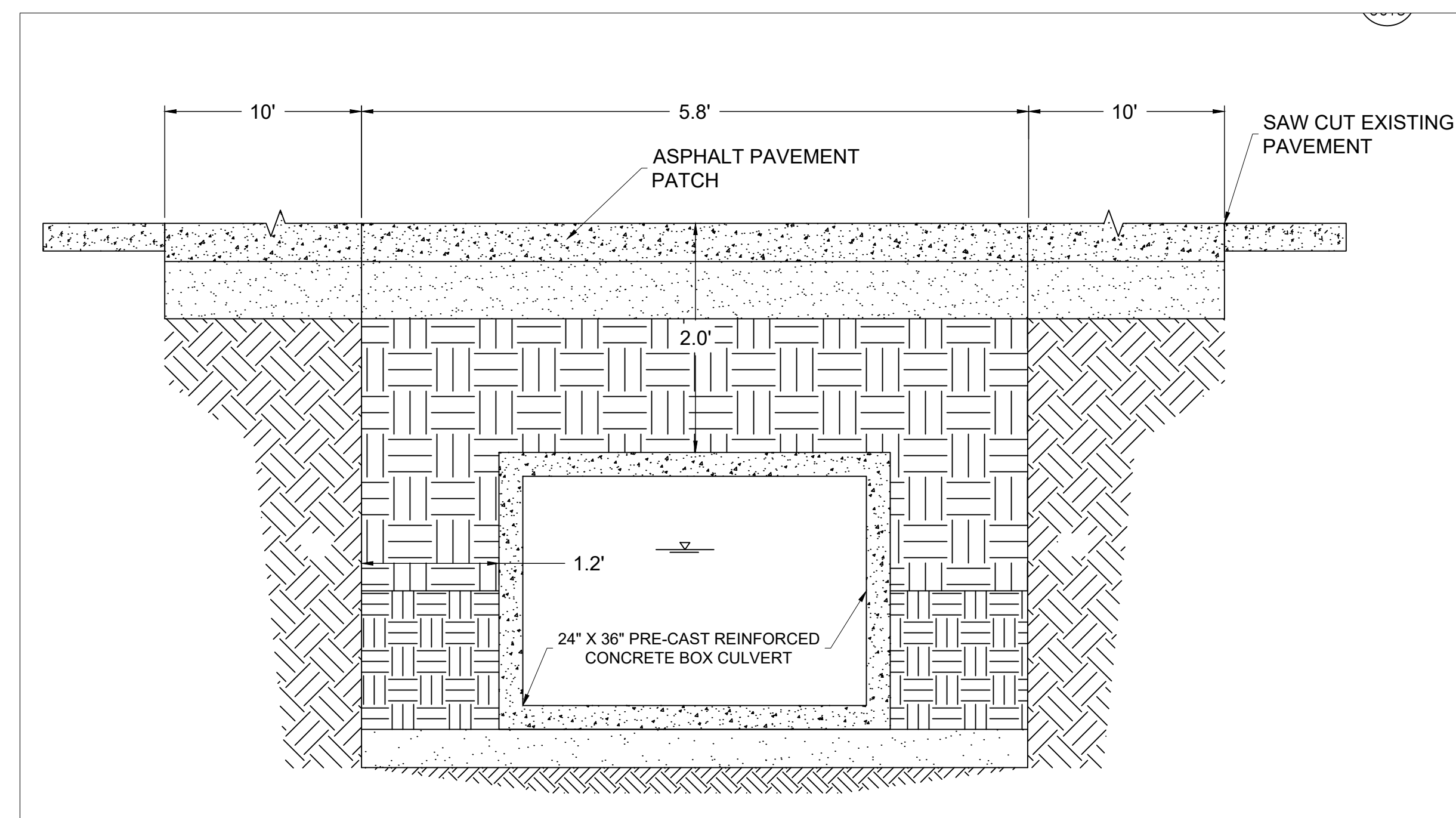


1 NM 14 CULVERT CROSSING PROFILE DETAIL

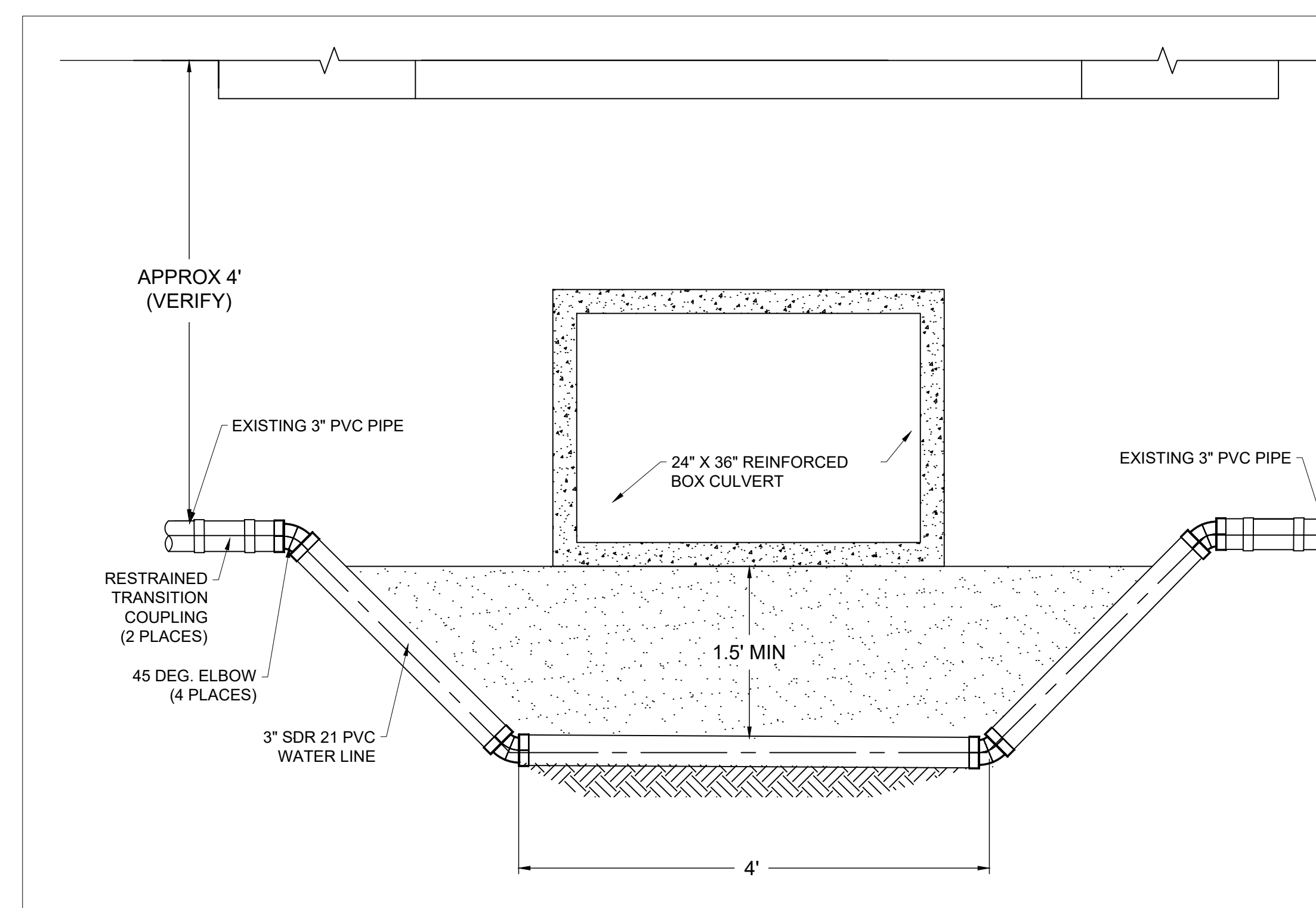
- ### KEYED NOTES
- 12" DIAMETER WEEP HOLE FILLED WITH PEA GRAVEL.
 - 48" HIGH 1-1/2" DIA. WELDED PIPE RAILING ACROSS CONCRETE CHANNEL. CONSTRUCT PER NMDOT STANDARD DRAWING 607-20.
 - PLACE ON 6" COMPACTED BASE COURSE ON COMPACTED SUBGRADE.
 - CONSTRUCT DROP INLET AND GRATE PER NMDOT STANDARD DRAWING SERIAL C-31. SEE DWG NO. C-603.
 - INSTALL BOX CULVERT PER NMDOT STANDARD DRAWING 511-60. SEE SHEET C603. FORM, REBAR AND POUR IN TWO SECTIONS TO FACILITATE SINGLE LANE CLOSURE ON NM-14.



2 PIPE RAILING DETAIL N.T.S.



A NM 14 CULVERT CROSSING SECTION DETAIL



B WATERLINE UNDERCROSSING SECTION DETAIL N.T.S.

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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

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NM-14 CULVERT CROSSING DETAILS

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		15740.001.003		SHT.	15	OF	76

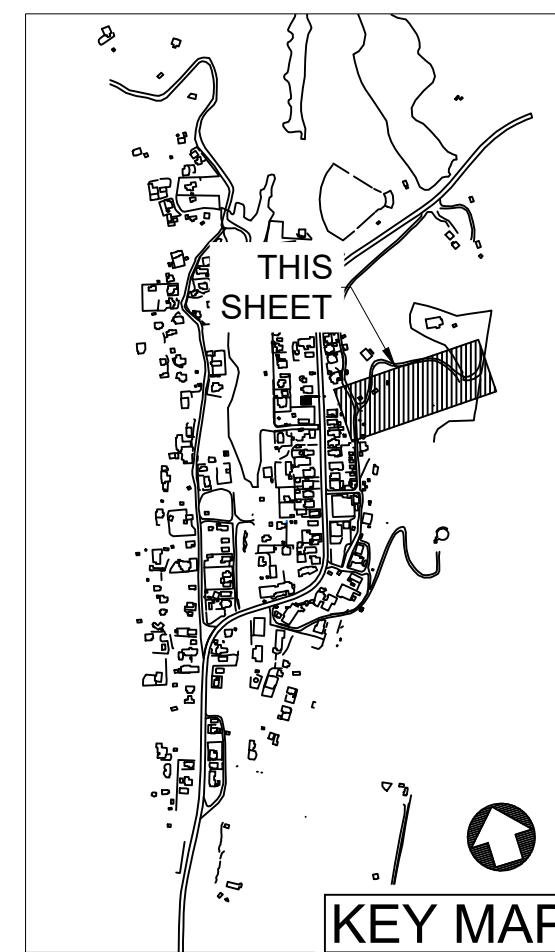
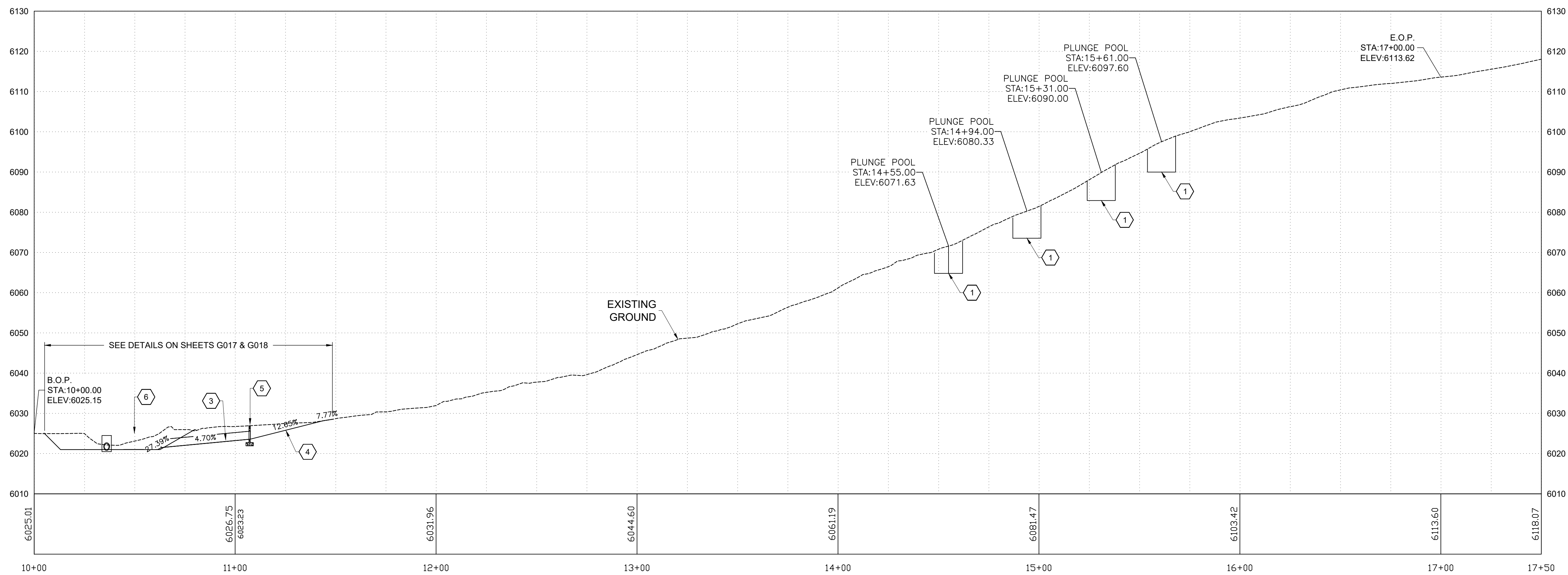
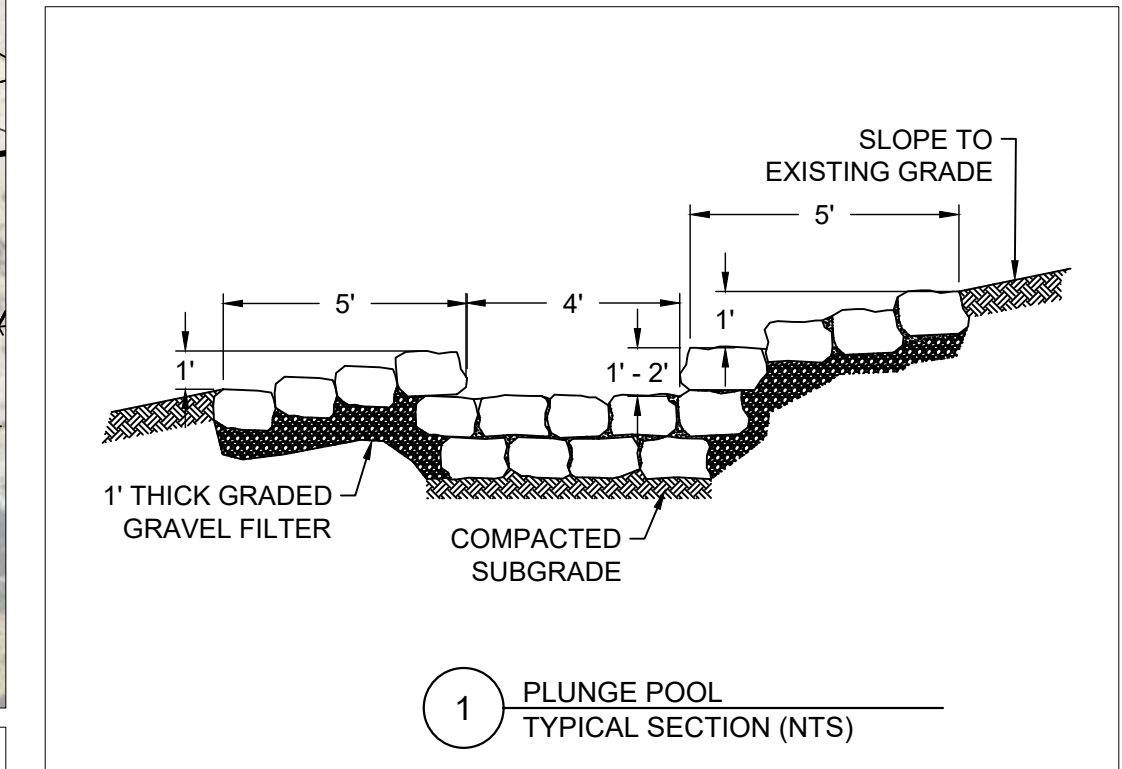




KEYED NOTES

1. PLUNGE POOL. SEE DETAIL 1 THIS SHEET FOR TYPICAL DETAIL.
2. SEE BETHLEHEM HILL ARROYO CROSS SECTIONS ON SHEET C101
3. 24-INCH CMP CULVERT.
4. DIVERSION CHANNEL
5. CONCRETE HEADWALL
6. BETHLEHEM POND

CONSTRUCTION NOTES



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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

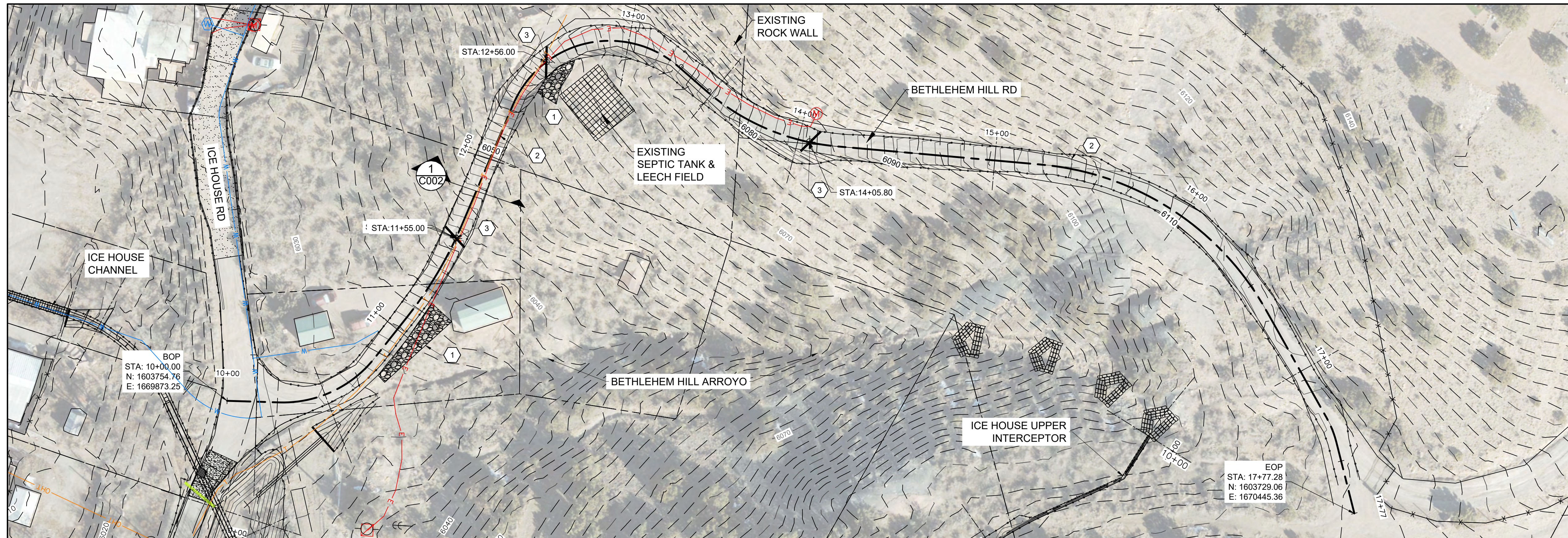
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ALBUQUERQUE NEW MEXICO

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DES. ENG.	SLJ		AUG 24
PROJ. ENG.	RGE		AUG 24
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**ICE HOUSE ROAD/MADRID ARROYO AREA
BETHLEHEM HILL ARROYO
PLAN AND PROFILE**

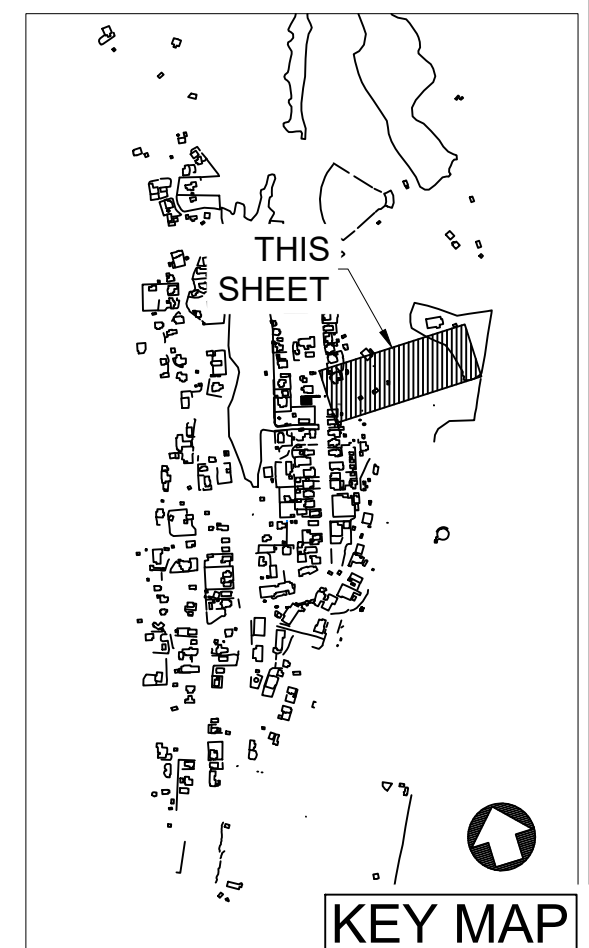
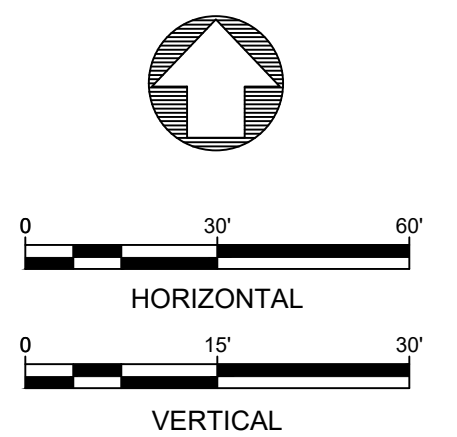
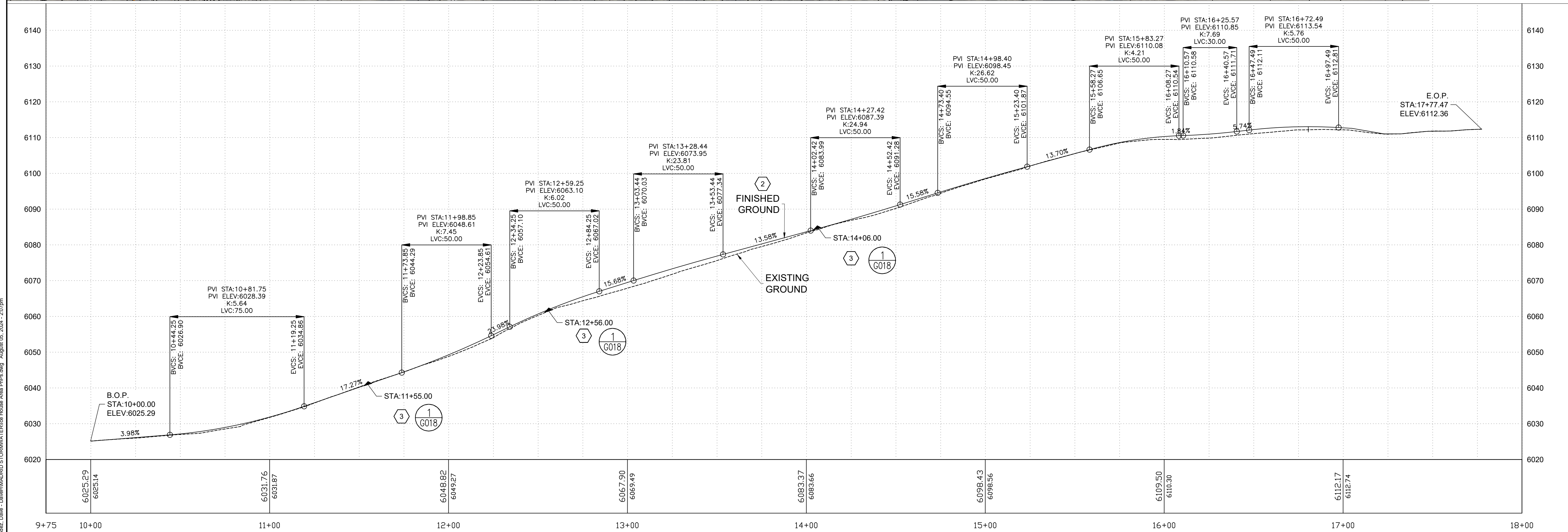
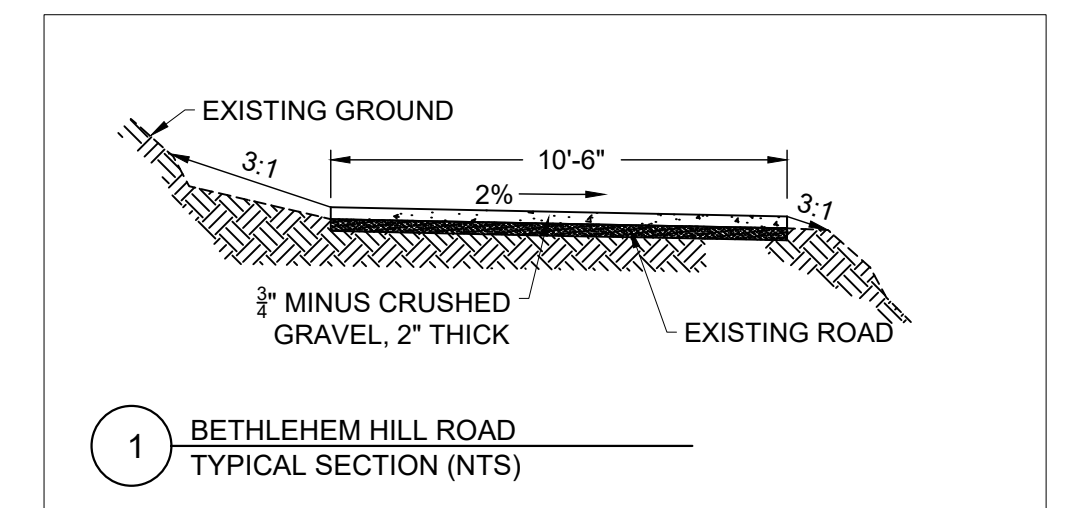
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SCALE		W.O. NO.					
		15740.001.003		SHT	19	OF	76



KEYED NOTES

- FILL EROSION SCOUR WITH 6" MINUS ROCK/GRAVEL MIXTURE.
- CROSS SLOPE ROAD GRADING. 1
C002
- INSTALL ROLLING DIP. 1
G018

CONSTRUCTION NOTES



NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

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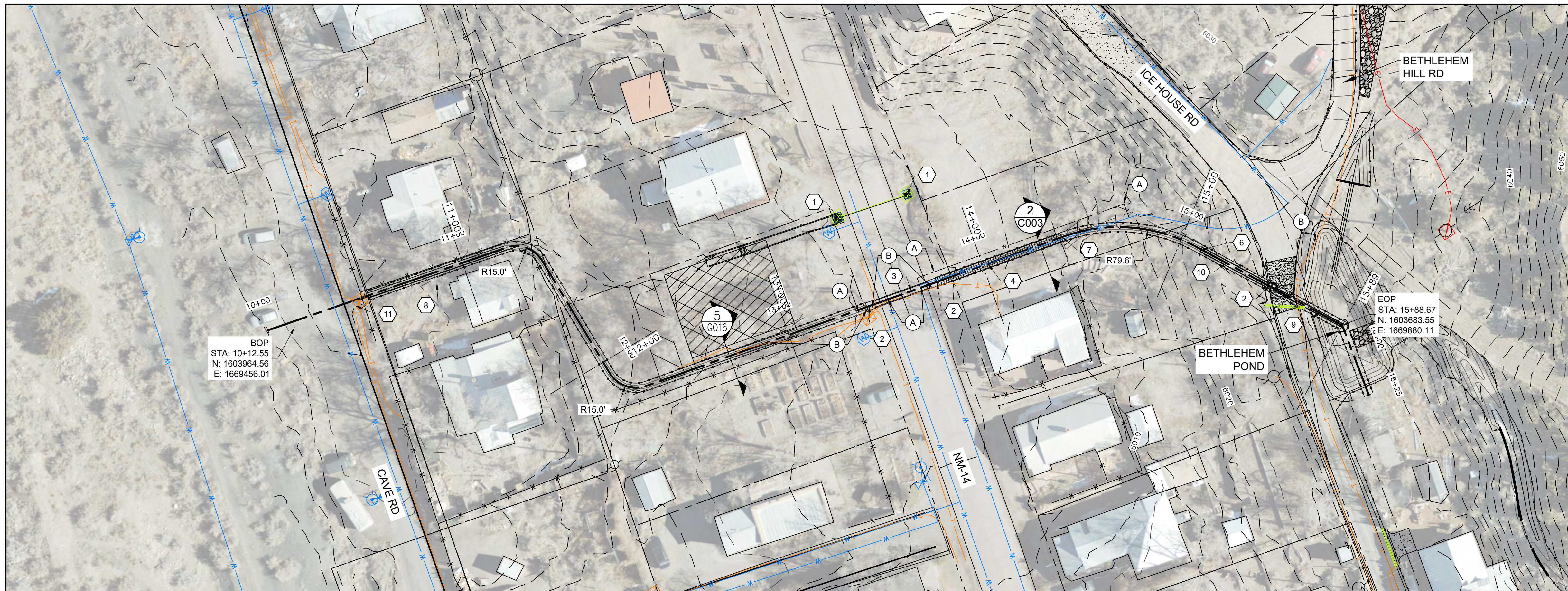
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PROJ. ENG.	RGE	AUG 24	
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**ICE HOUSE ROAD/MADRID ARROYO AREA
BETHLEHEM HILL ROAD
PLAN AND PROFILE**

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SCALE		W.O. NO.					
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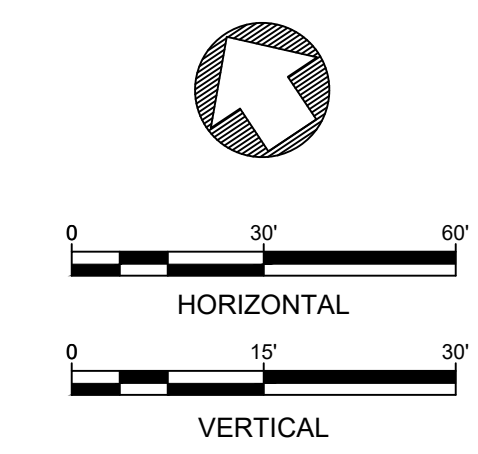
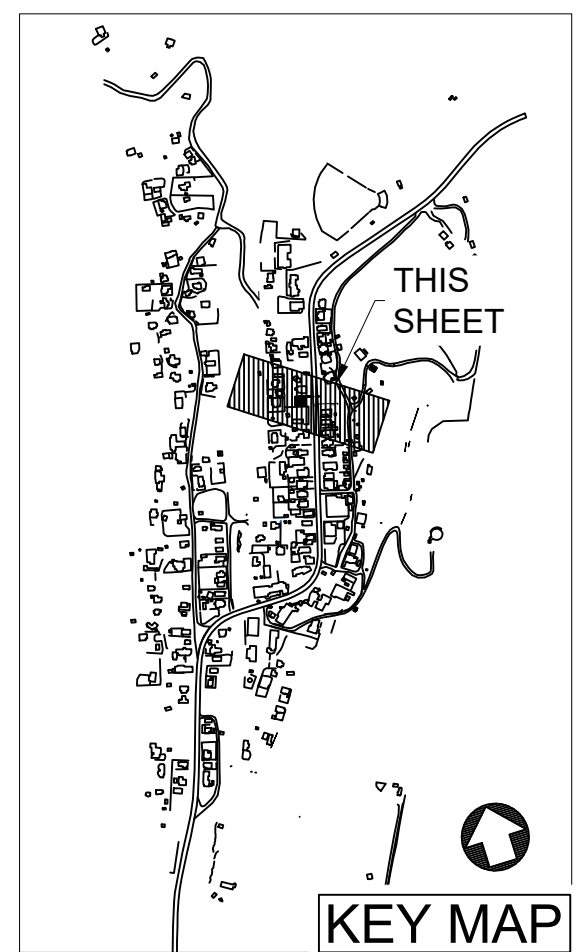
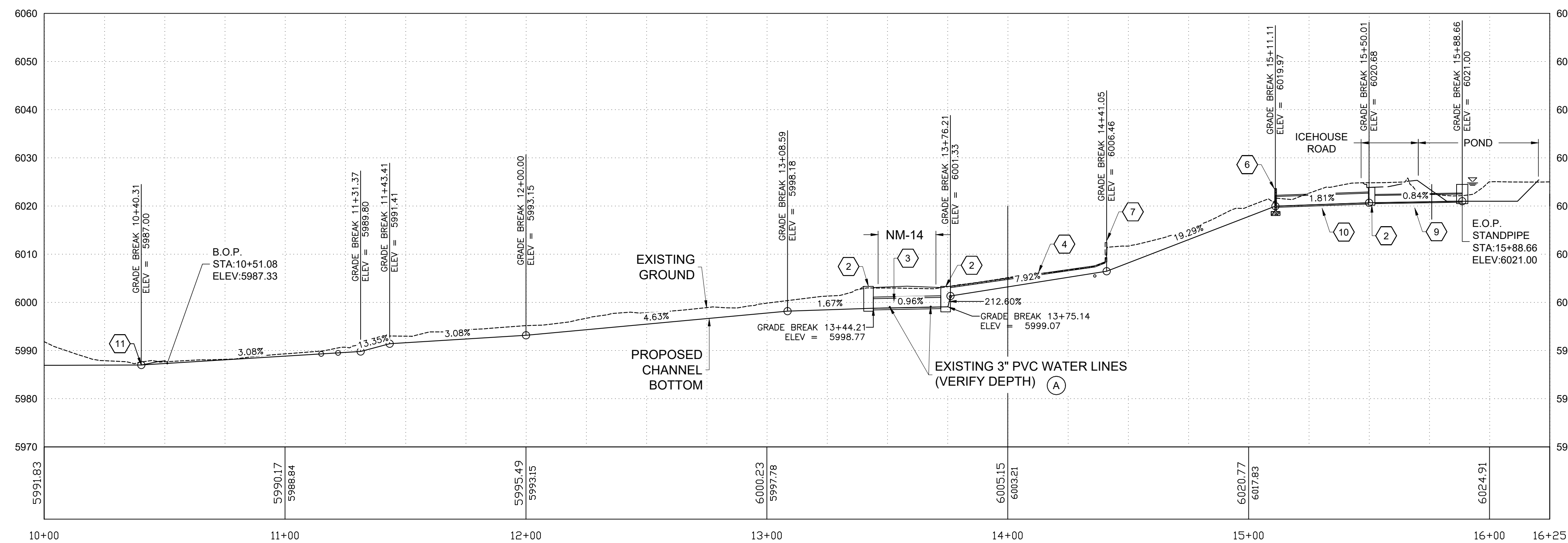
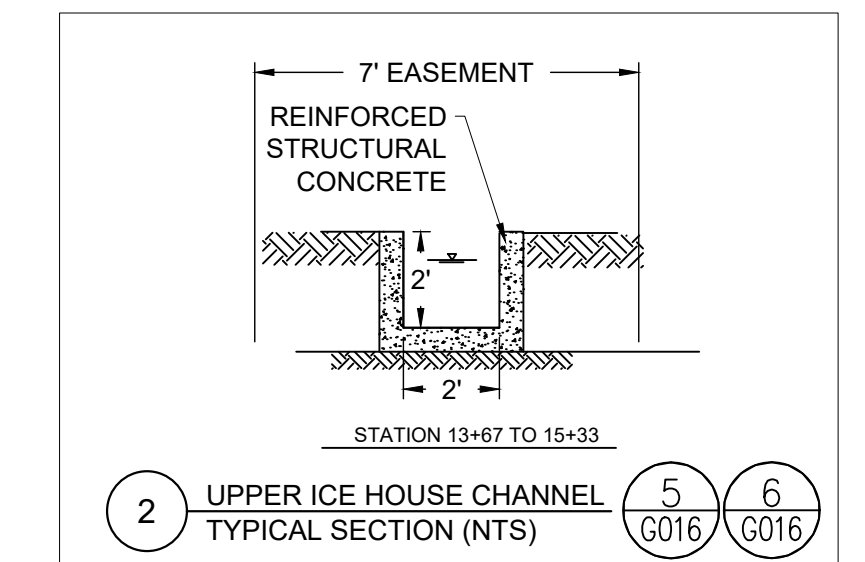
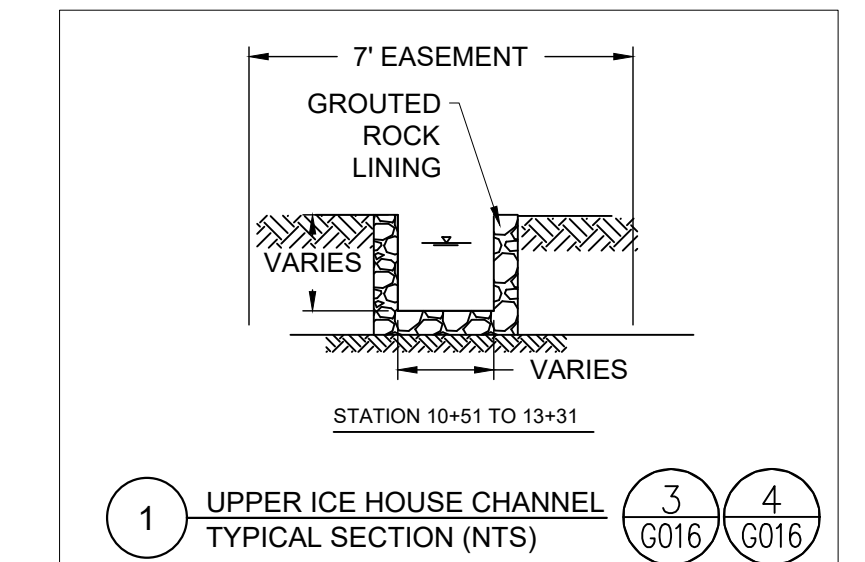


KEYED NOTES

1. REMOVE EXISTING DROP INLETS AND FILL TO GRADE.
2. PROPOSED DROP INLET (2) (G016)
3. REINFORCED CONCRETE BOX CULVERT CROSSING UNDER NM-14. (1) (G015)
4. CONCRETE CHANNEL WITH TRAFFIC RATED GRATE.
5. 24" CORRUGATED METAL PIPE CULVERT.
6. REINFORCED CONCRETE HEADWALL. (1) (G016)
7. REMOVE EXISTING ROCK WALL.
8. EXISTING SEPTIC TANK CLEANOUTS
9. 18" CORRUGATED METAL PIPE
10. 24" REINFORCED CONCRETE PIPE
11. CROSS ROAD SWALE. (SEE SHEET C218)

CONSTRUCTION NOTES

- A. RELOCATE EXISTING 3" WATERLINE WITH NEW 3" DR 25 PVC C900 PIPE. FURNISH AND INSTALL TAPPING SADDLE AND ALL FITTINGS.
- B. RELOCATE EXISTING TELEPHONE LINE (BY OTHERS).



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VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

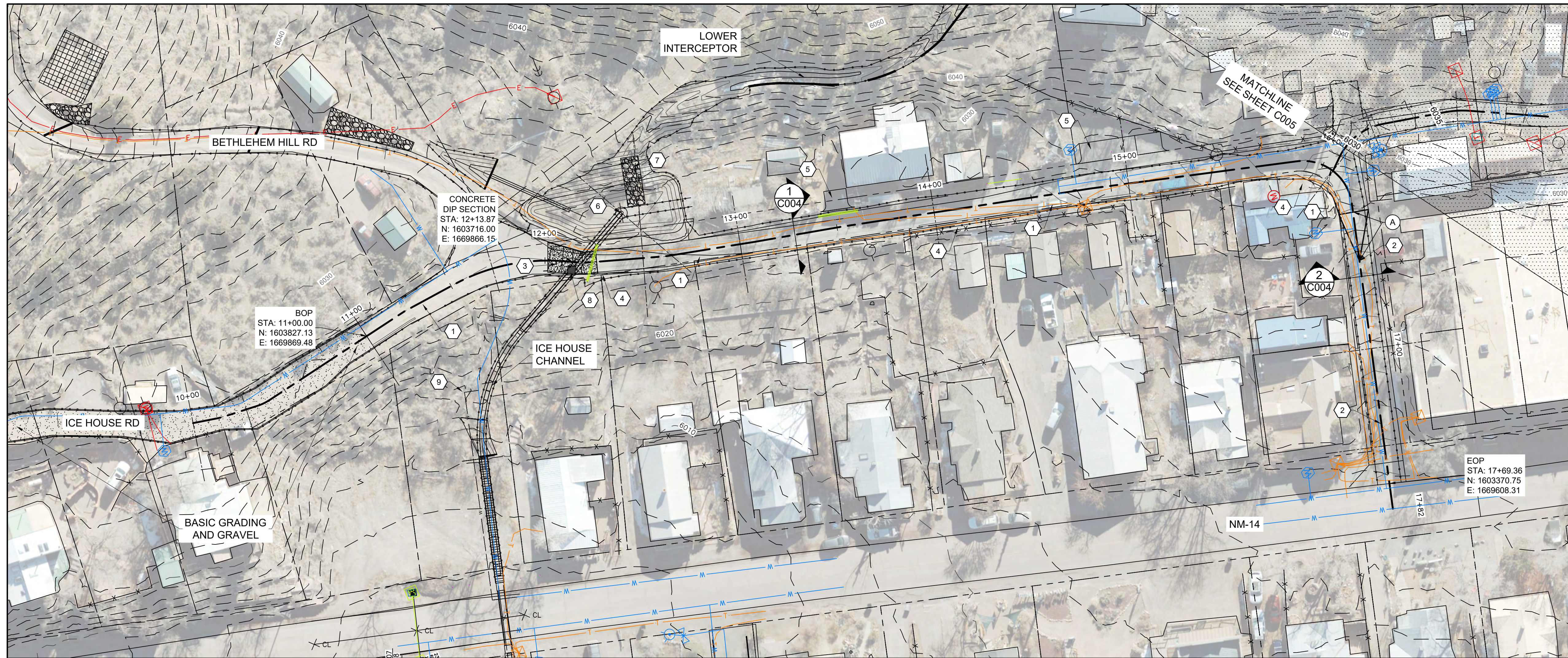
WESTON SOLUTIONS

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ICE HOUSE ROAD/MADRID ARROYO AREA
ICE HOUSE CHANNEL
PLAN AND PROFILE

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SCALE		W.O. NO.	15740.001.003	SHT	21	OF	76

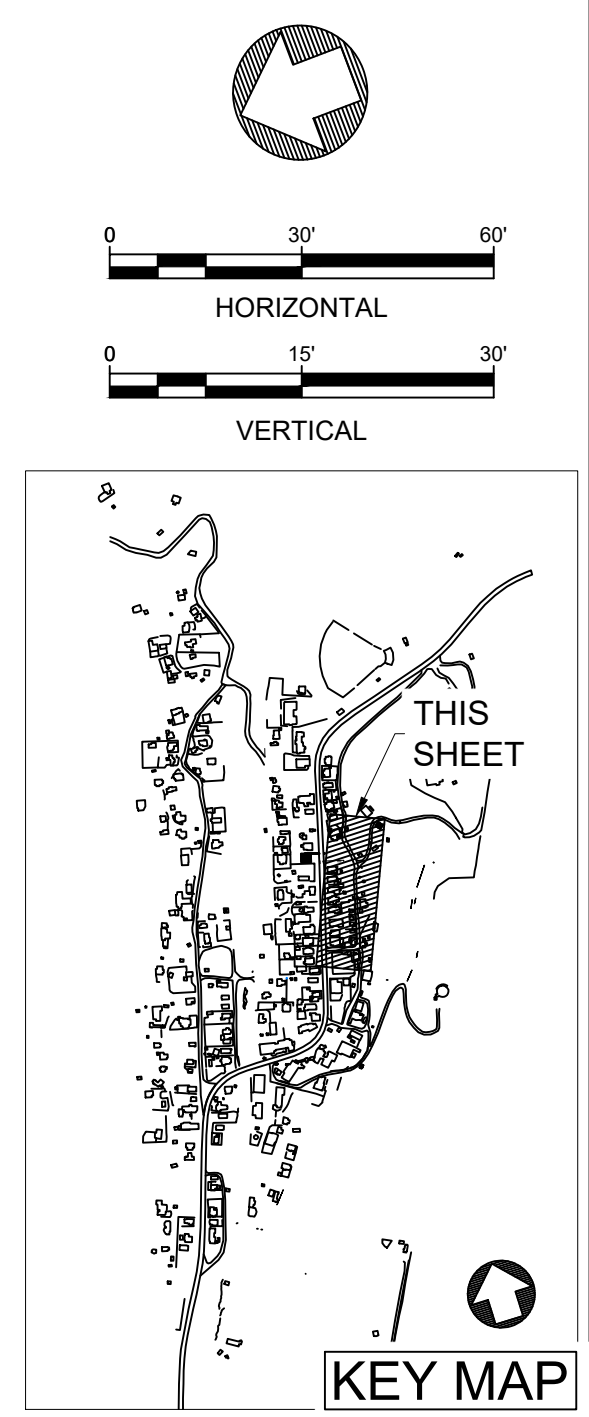
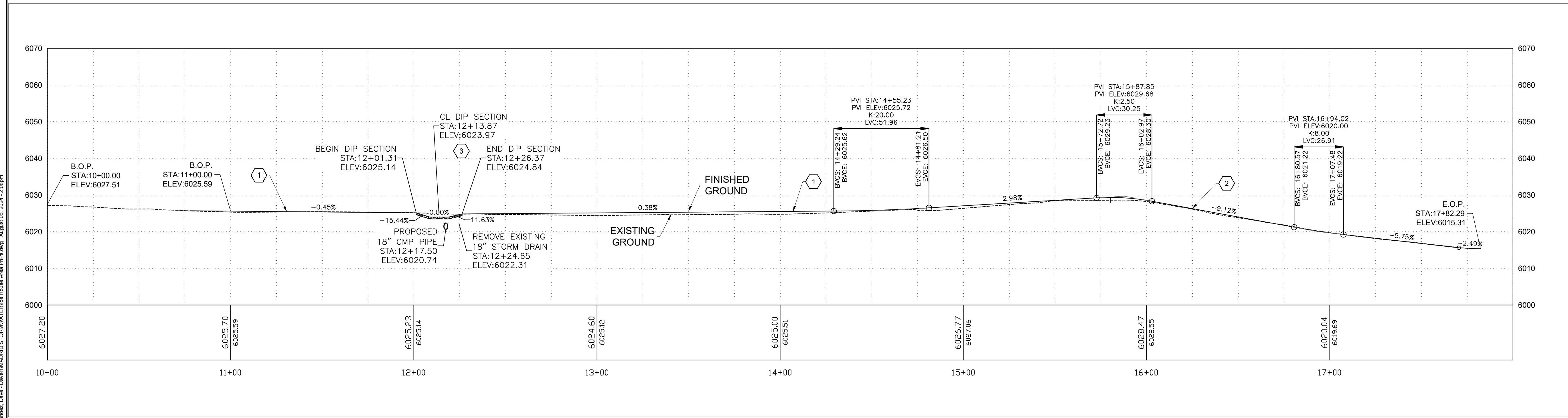
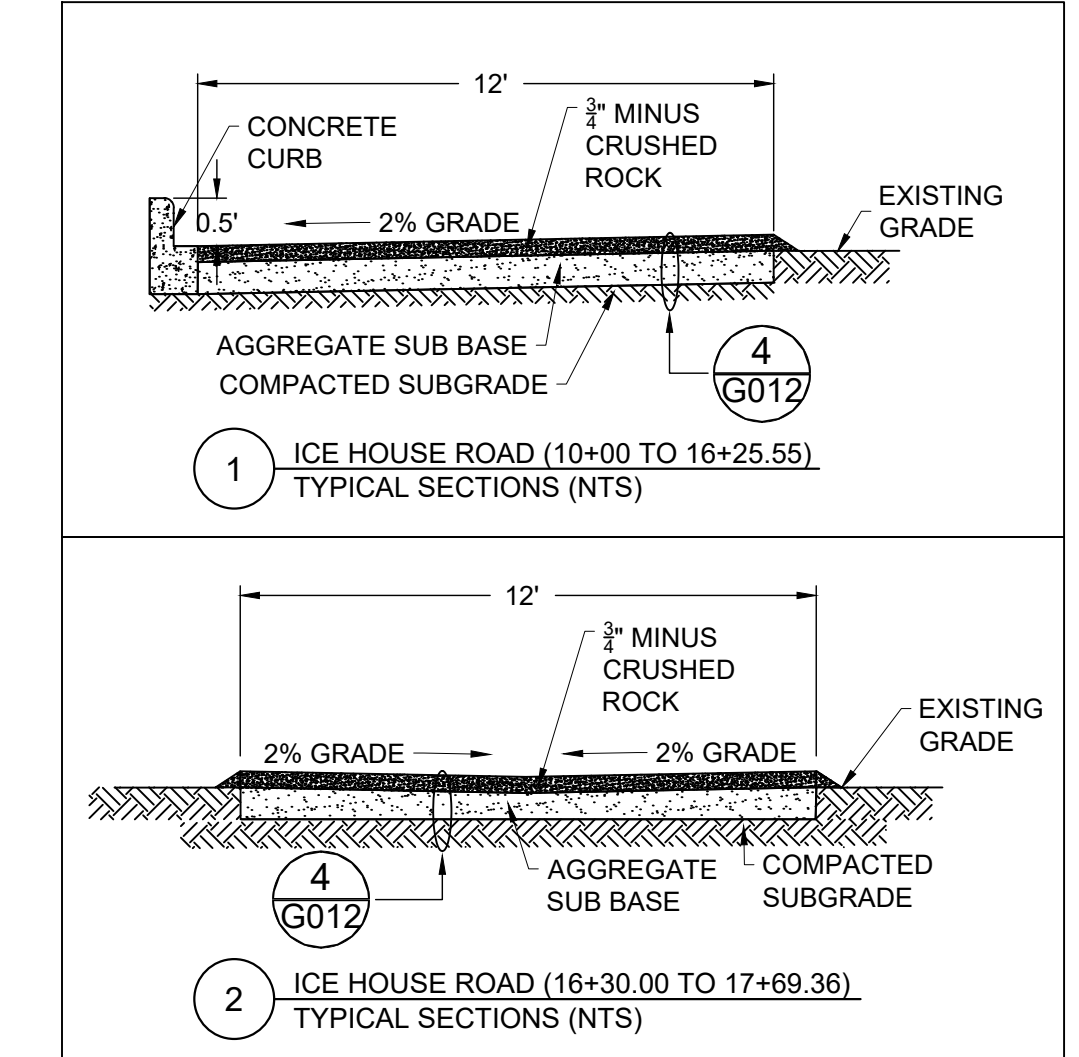


KEYED NOTES

1. ICE HOUSE ROAD CROSS SLOPE ROADWAY.
2. ICE HOUSE ROAD INVERTED CROWN ROAD.
3. ICE HOUSE ROAD CONCRETE DIP SECTION. (5) G012
4. CONCRETE CURB AND GUTTER. (7) G012
5. RESIDENTIAL DRIVE ENTRANCE. APPLY GRAVEL SURFACING FROM EDGE OF ROAD TO EXISTING GRADE.
6. BETHLEHEM POND STANDPIPE. (4) G017
7. BETHLEHEM POND RUNDOWN. (5) G017
8. CURB INLET (1,2) C601
9. RELOCATE WATERLINE ALONG THIS ALIGNMENT

CONSTRUCTION NOTES

- A. ICE HOUSE ROAD STATIONS 16+30.00 TO 16+55.00 TRANSITION FROM CROSS SLOPED TO INVERTED CROWN ROAD.



NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

WESTON SOLUTIONS

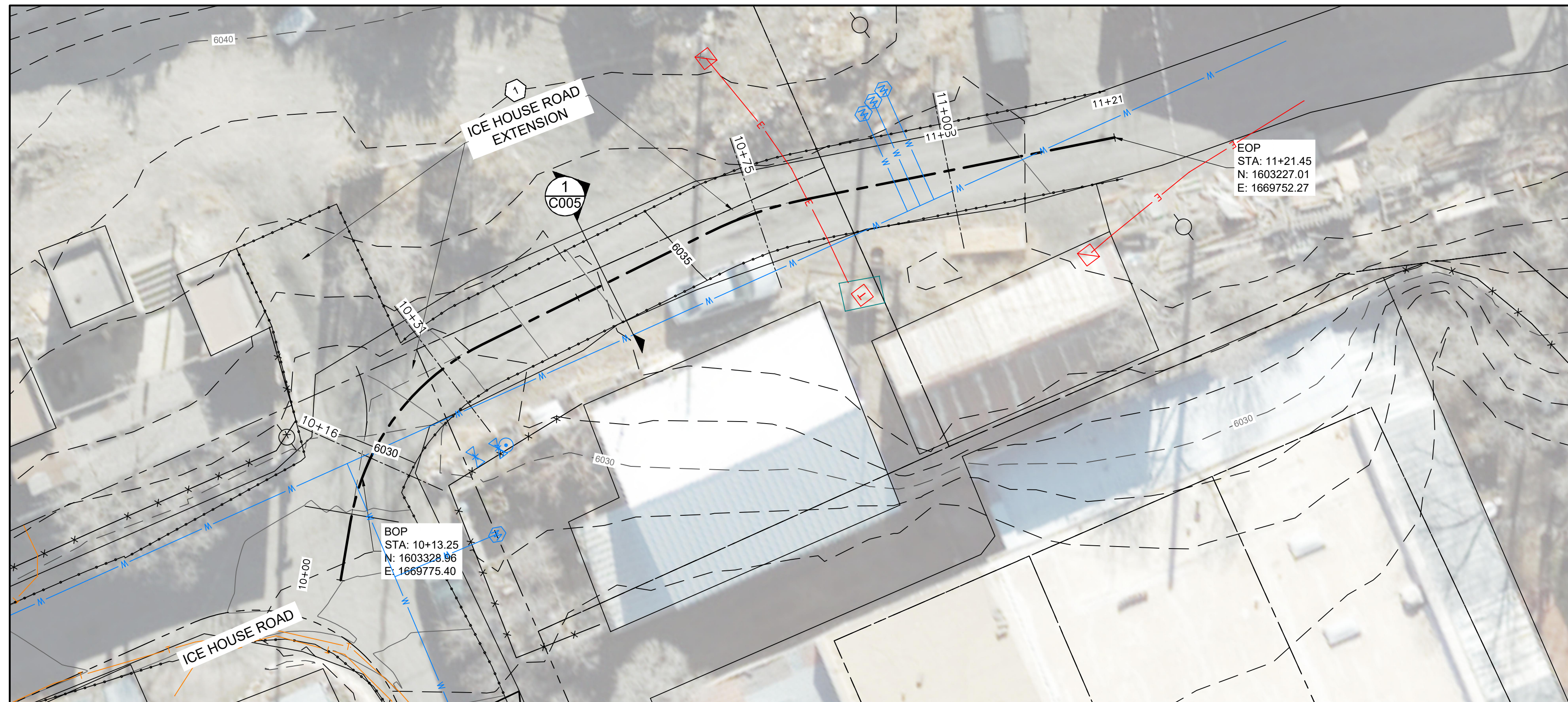
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**ICE HOUSE ROAD/MADRID ARROYO AREA
ICE HOUSE ROAD
PLAN AND PROFILE**

DRAWN	RW	DATE	---	DWG. NO.	C004	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT	22	OF	76

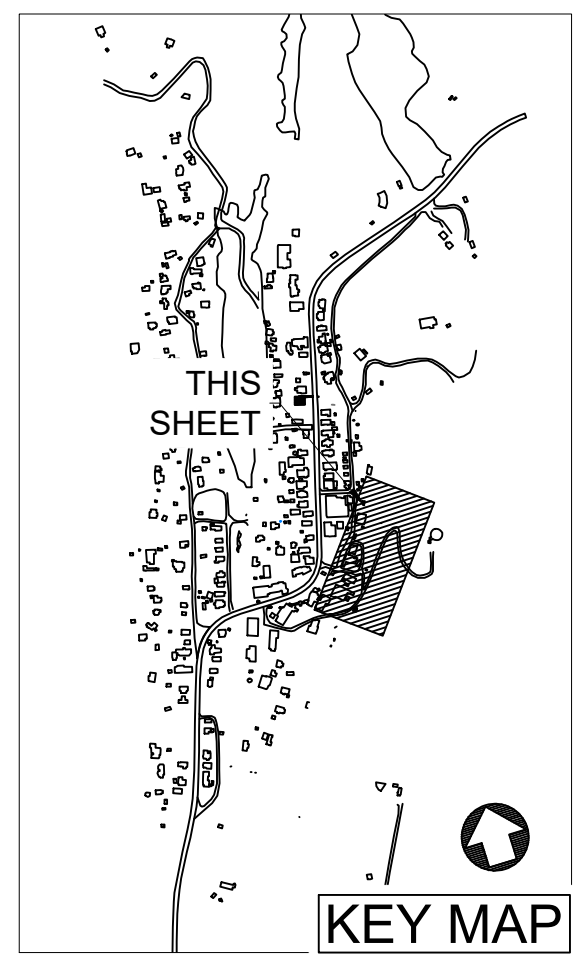
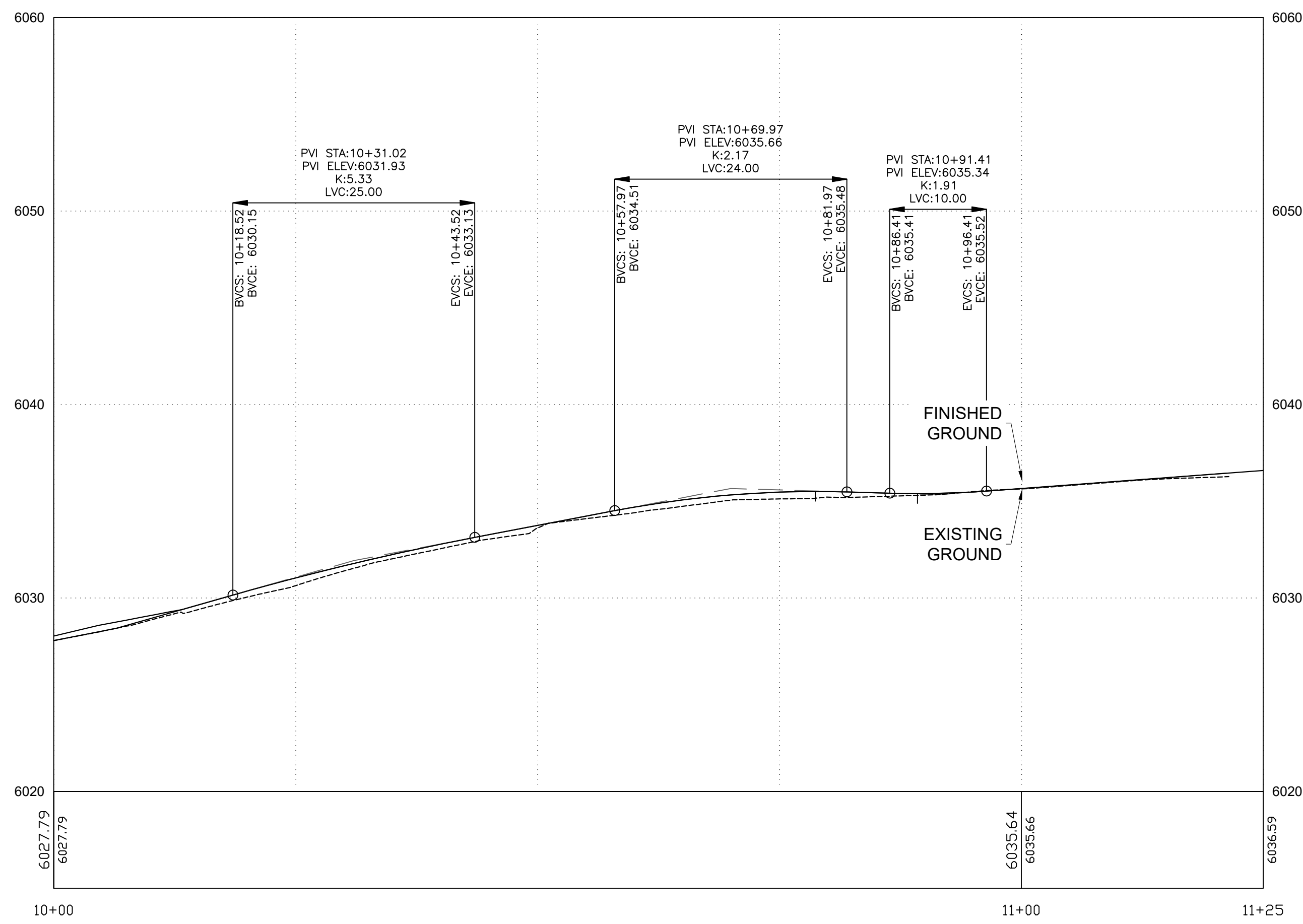
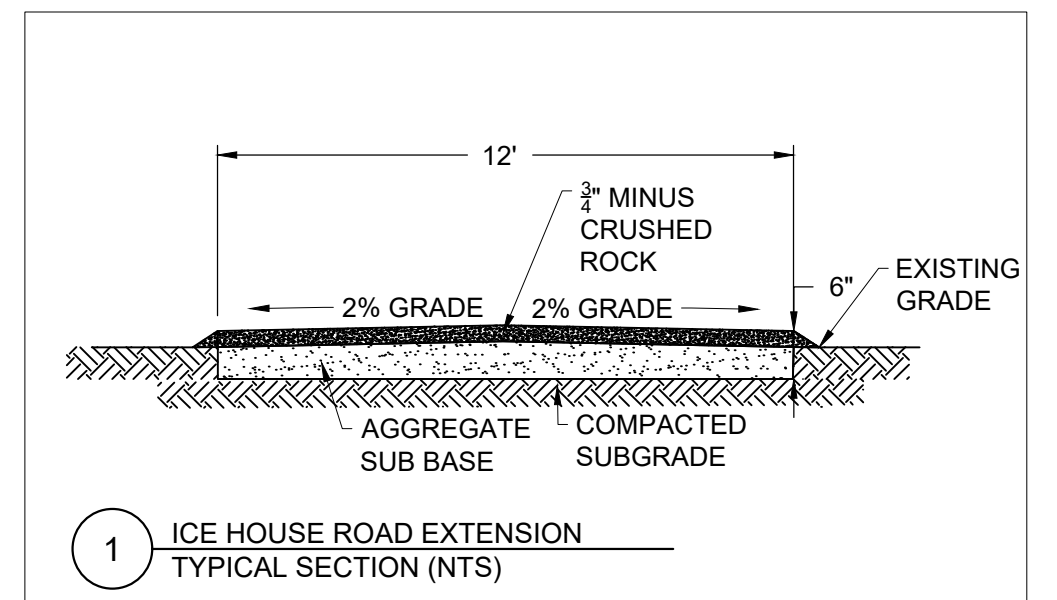
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KEYED NOTES

- 1. CROWNED ROAD.

CONSTRUCTION NOTES



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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

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DES. ENG.	SLJ	DATE	AUG 24		
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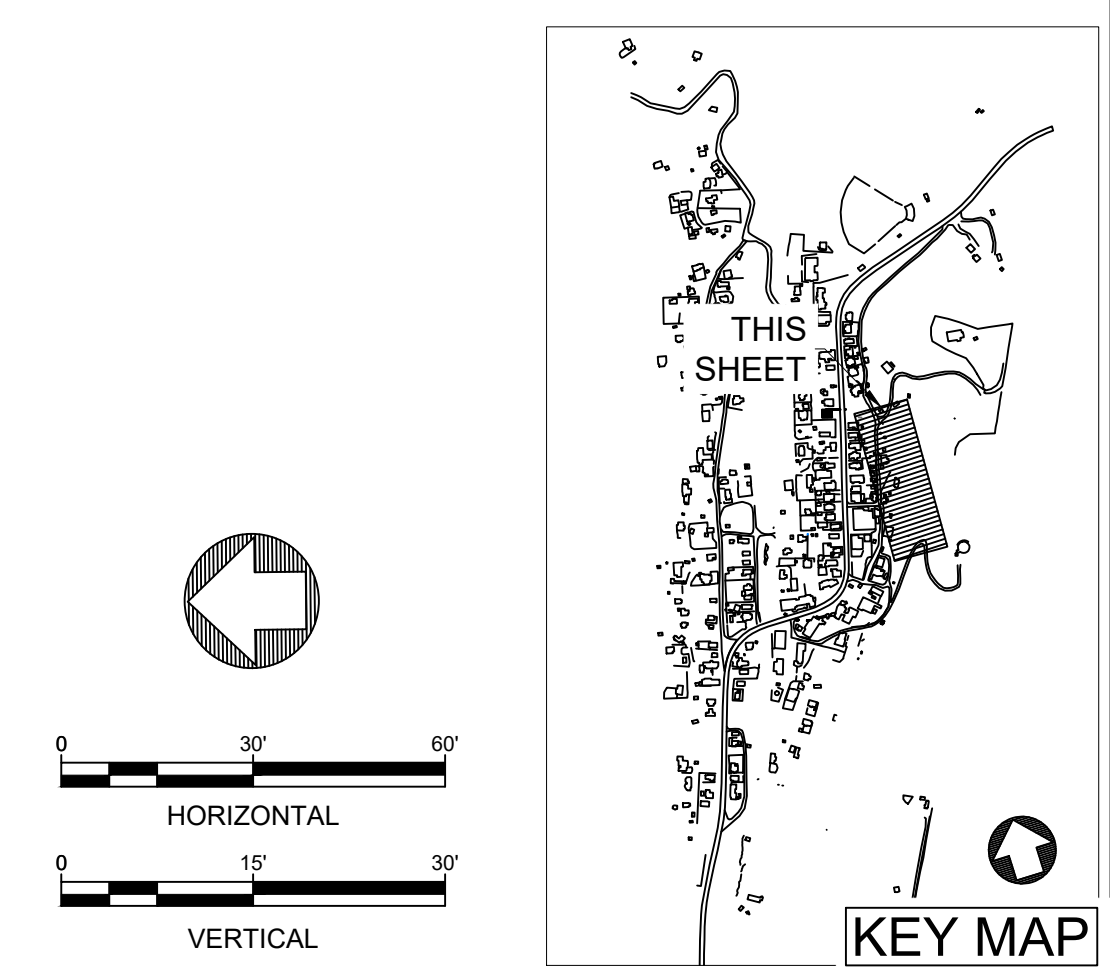
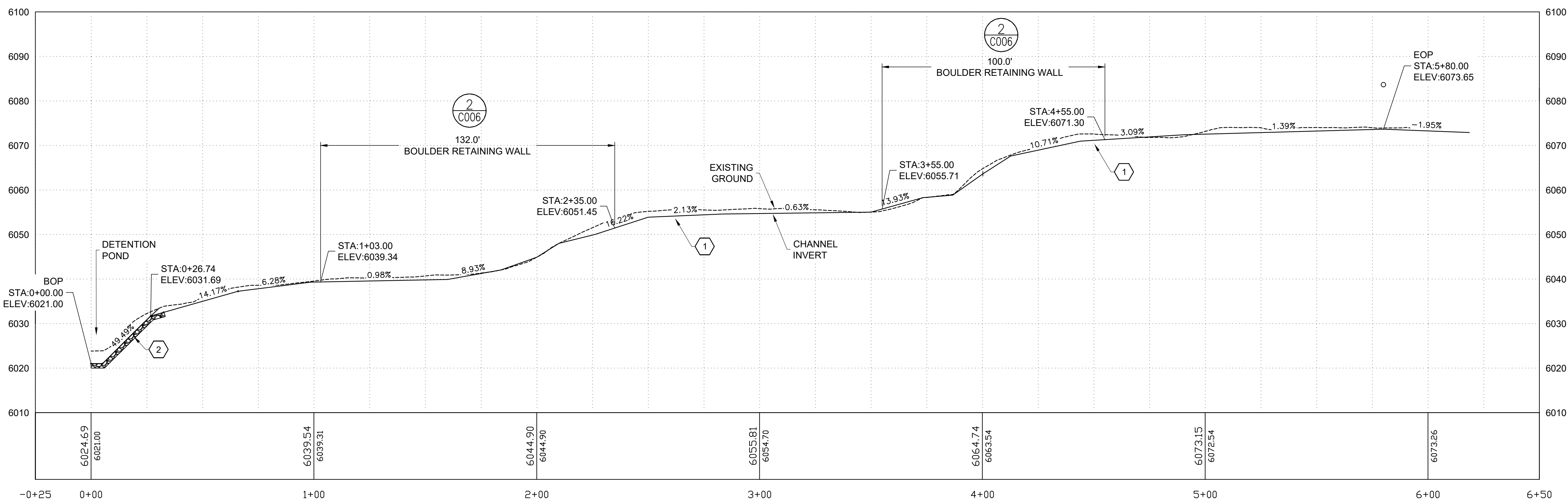
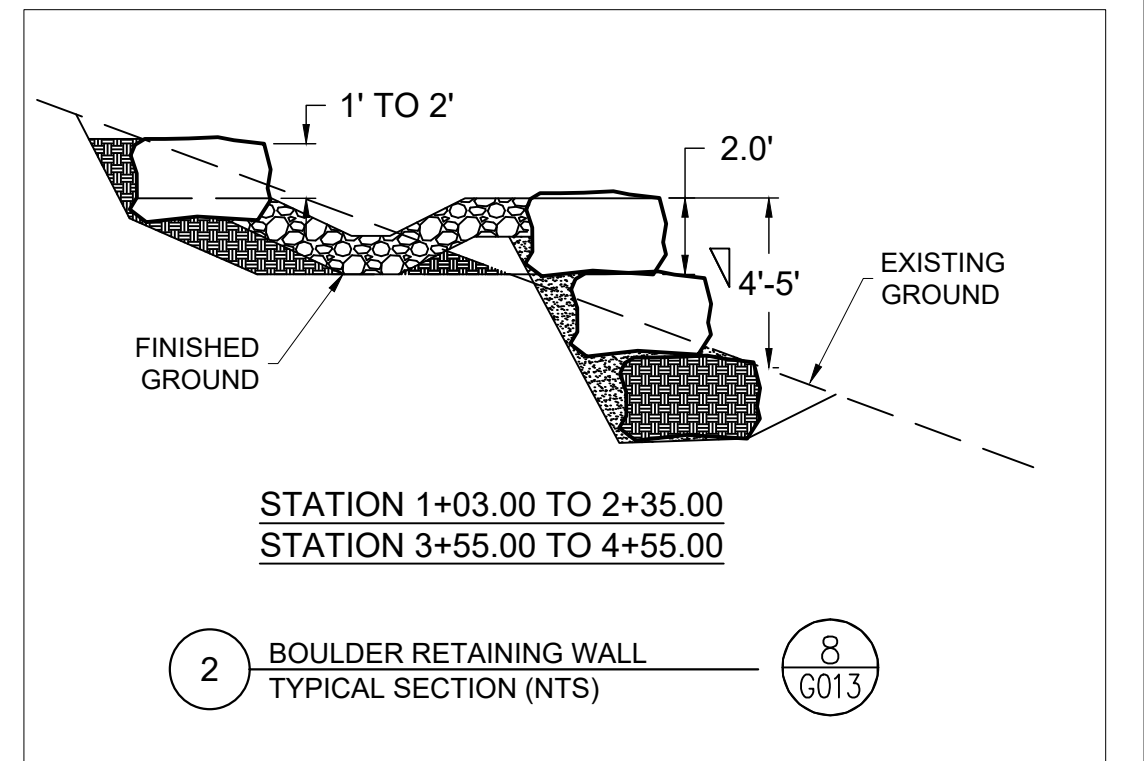
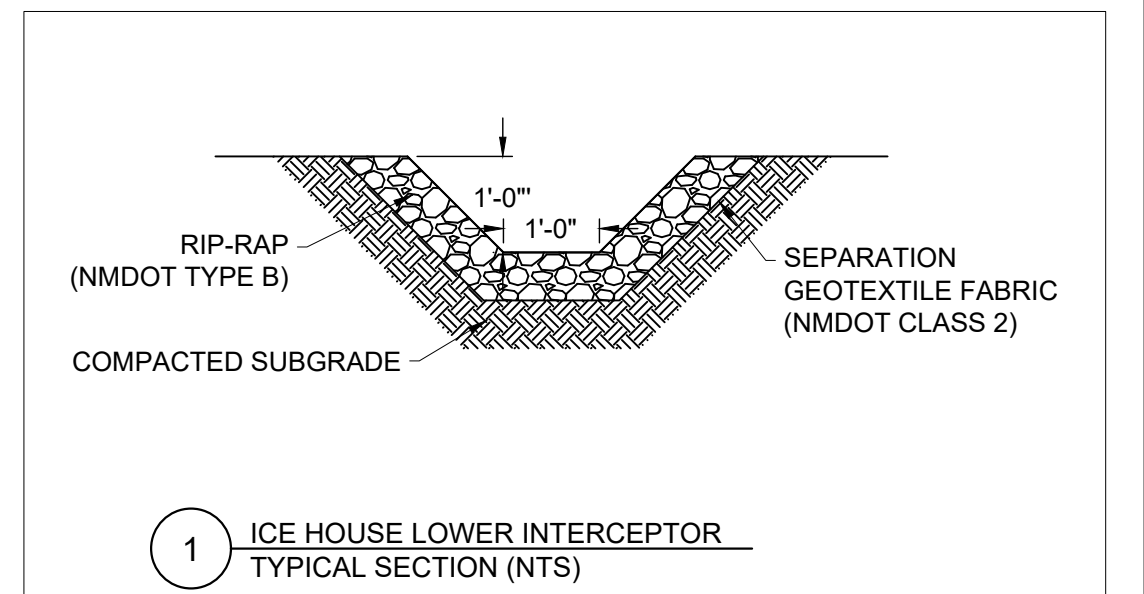
**ICE HOUSE ROAD/MADRID ARROYO AREA
ICE HOUSE ROAD EXTENSION
PLAN AND PROFILE**

DRAWN	RW	DATE	---	DWG. NO.	C005	REV. NO.	A
SCALE		W.O. NO.					
		15740.001.003		SHT	23	OF	76



KEYED NOTES

1. RIPRAP LINED TRAPEZOIDAL CHANNEL 1 FT DEEP, 1 FT WIDE, WITH 2:1 SIDE SLOPES.
2. RIPRAP RUNDOWN.



C:\Users\mweston\OneDrive\Documents\Projects\Madrid\StormWater\IceHouse Area P&P.dwg August 05, 2024 - 2:15pm

NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

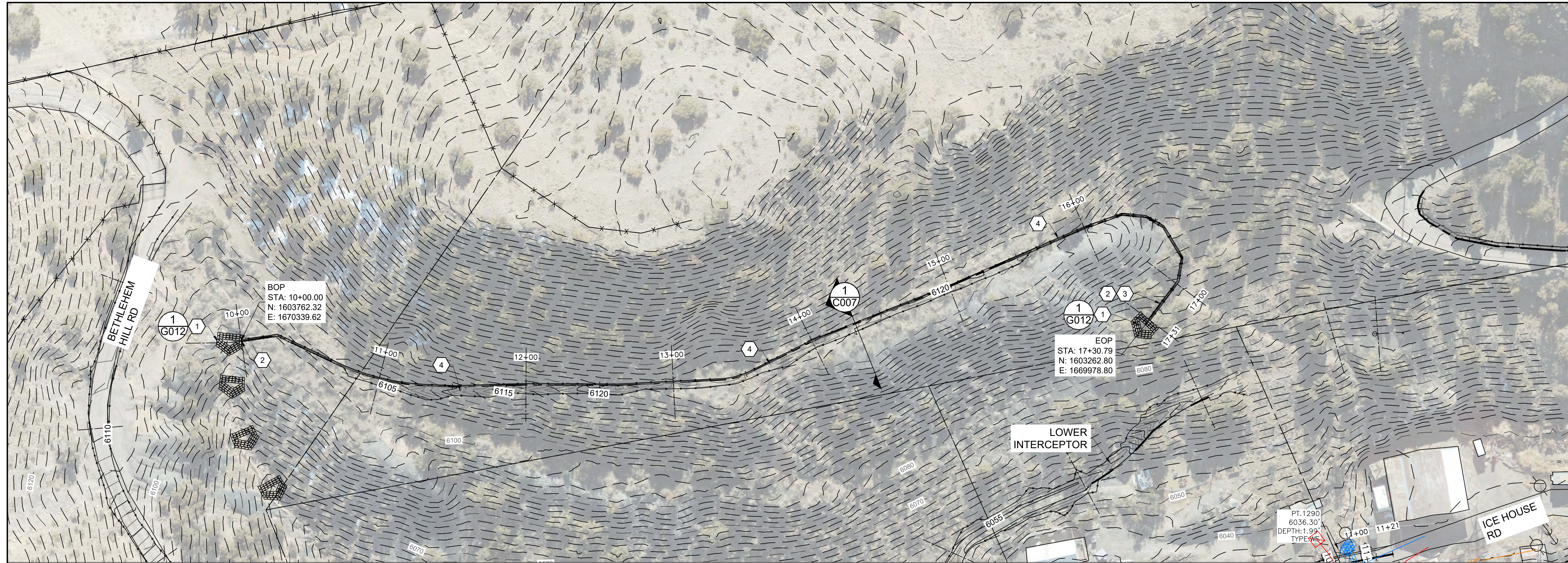
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	CLIENT APPROVALS	DATE
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PROJ. ENG.	RGE	AUG 24		
PROJ. MGR.	TDB	AUG 24		
APPROVED				
APPROVED				

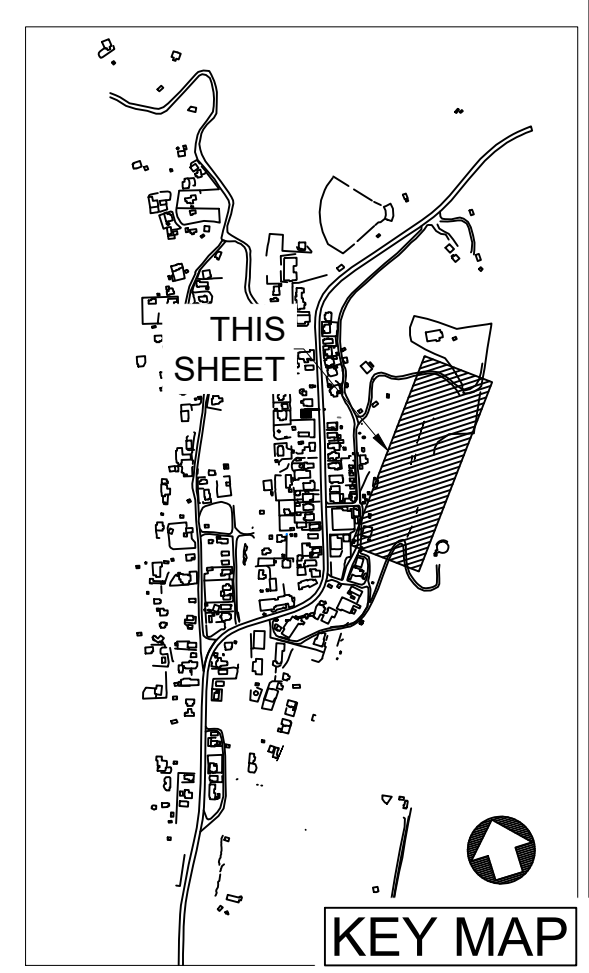
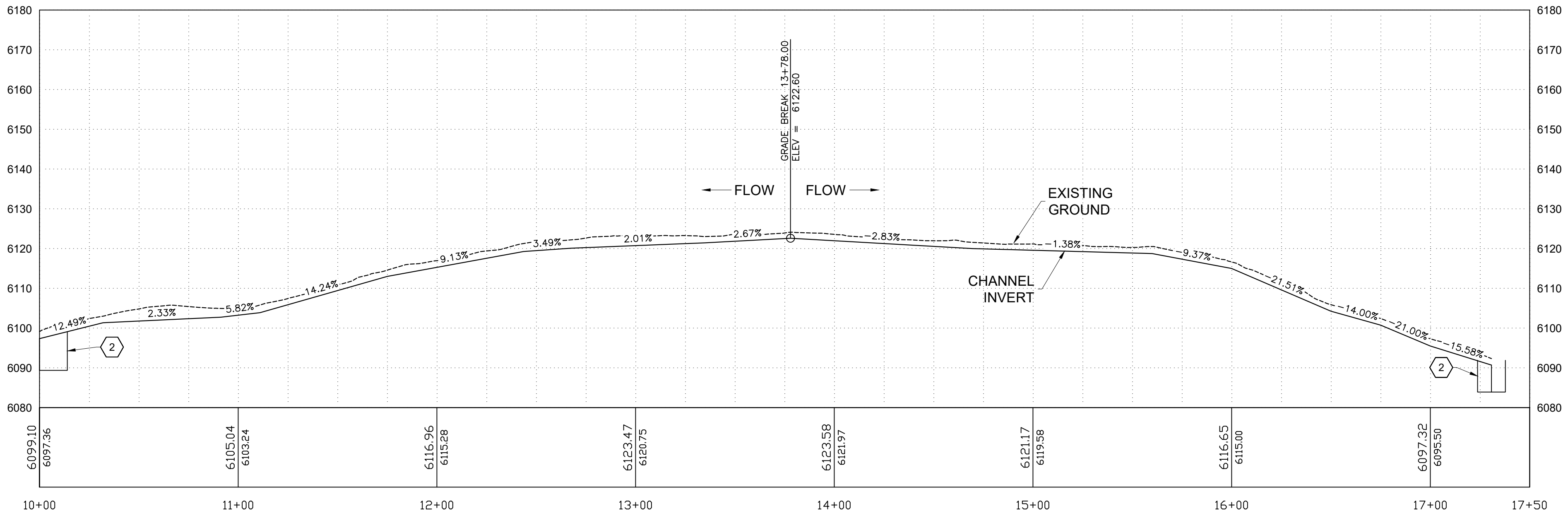
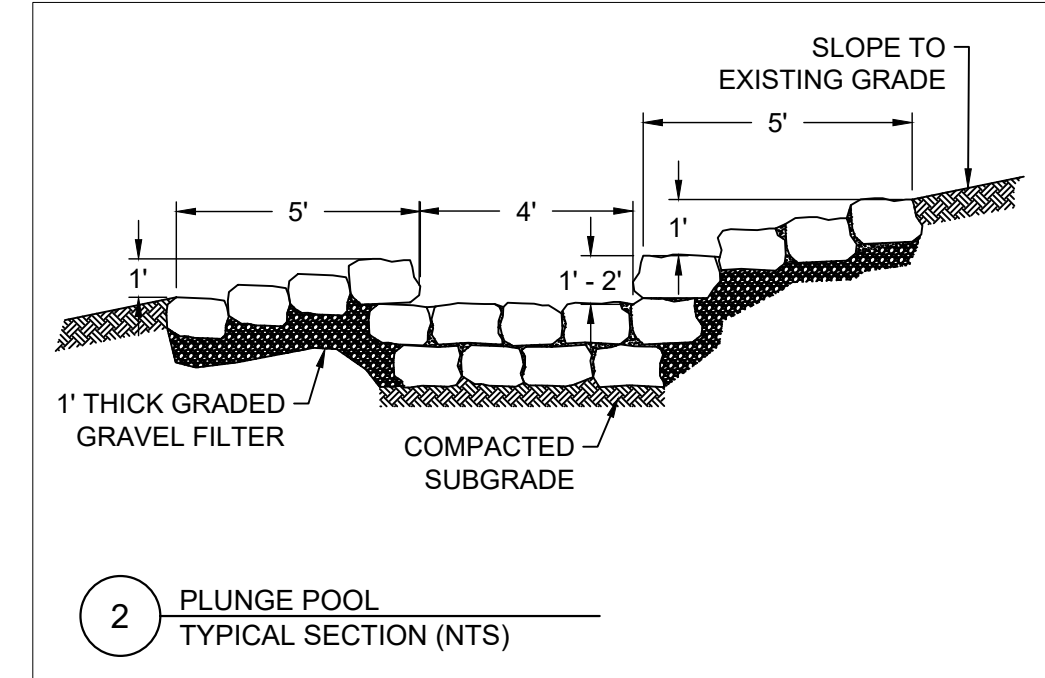
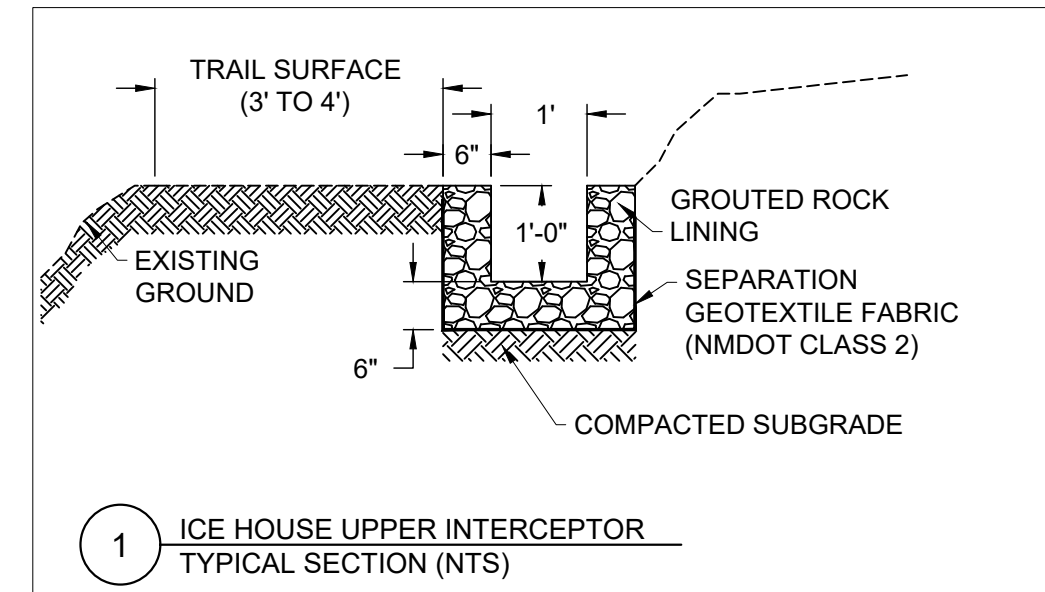
**ICE HOUSE ROAD/MADRID ARROYO AREA
ICE HOUSE LOWER INTERCEPTOR
PLAN AND PROFILE**

DRAWN	RW	DATE	---	DWG. NO.	C006	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT	24	OF	76



KEYED NOTES

1. PLUNGE POOL. (2) (C007)
2. DIRECT CHANNEL OUTLET INTO PLUNGE POOL.
3. RIPRAP RUNDOWN APRON WITH NMDOT TYPE B RIPRAP.
4. GRouted-ROCK LINED CHANNEL. (1) (C007)



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A	5/10/24	100% DRAFT- ISSUED FOR REVIEW					
NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

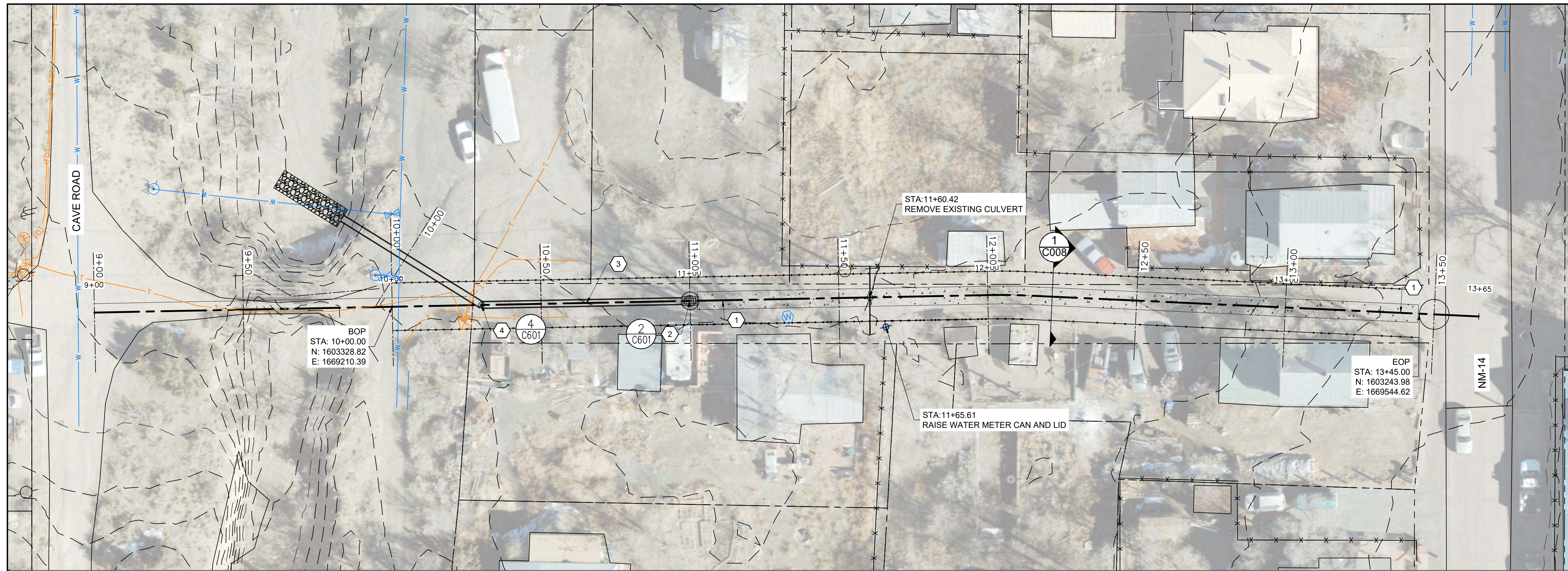
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ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	AUG 24	CLIENT APPROVALS	DATE
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PROJ. MGR.	TDB	DATE	AUG 24		
APPROVED					
APPROVED					

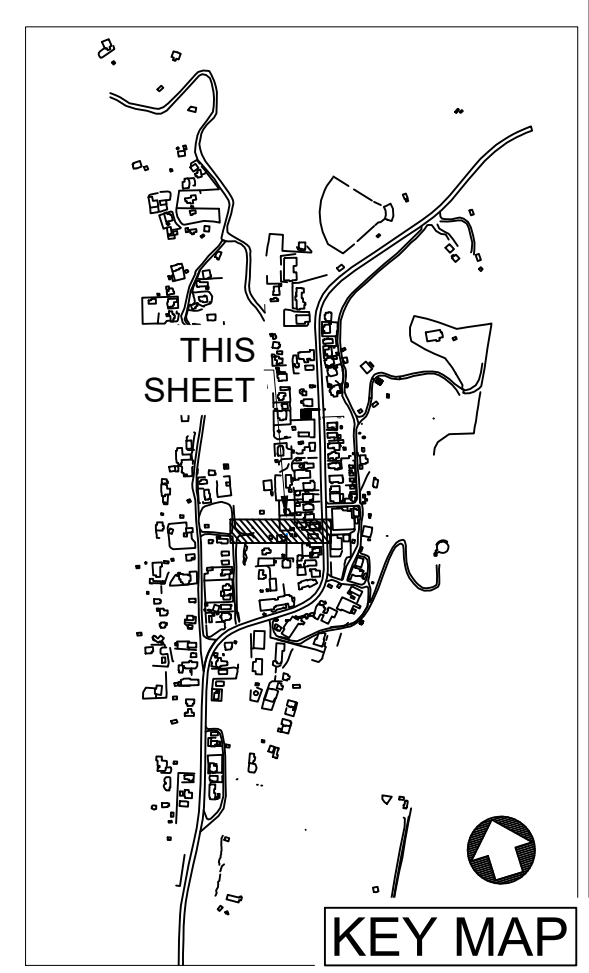
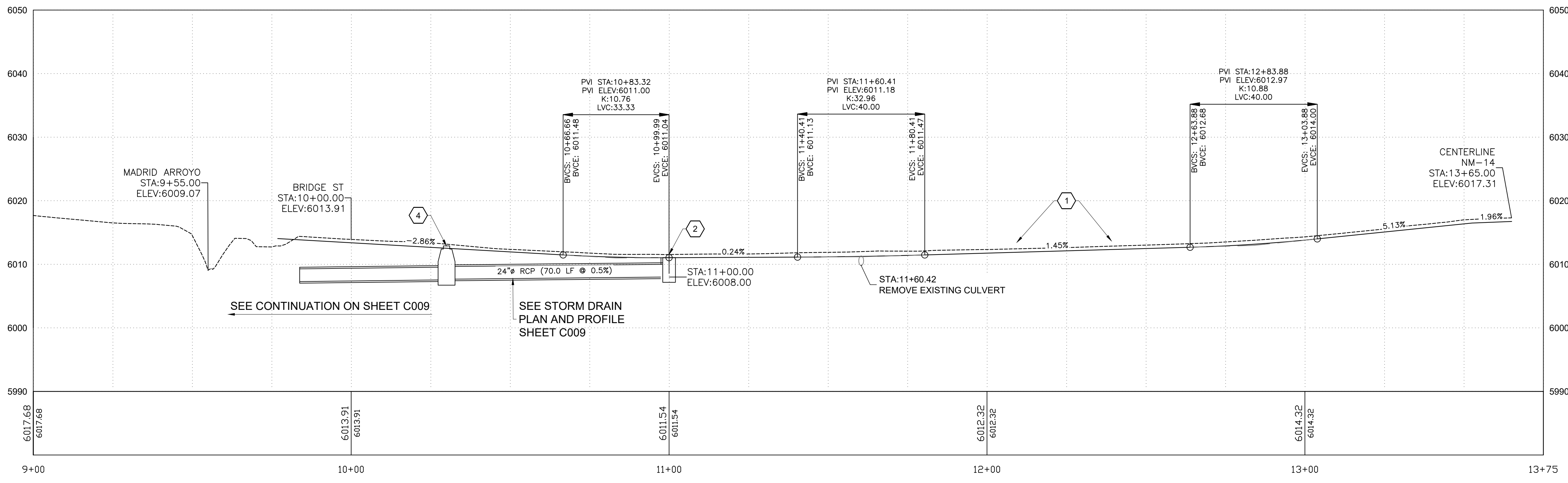
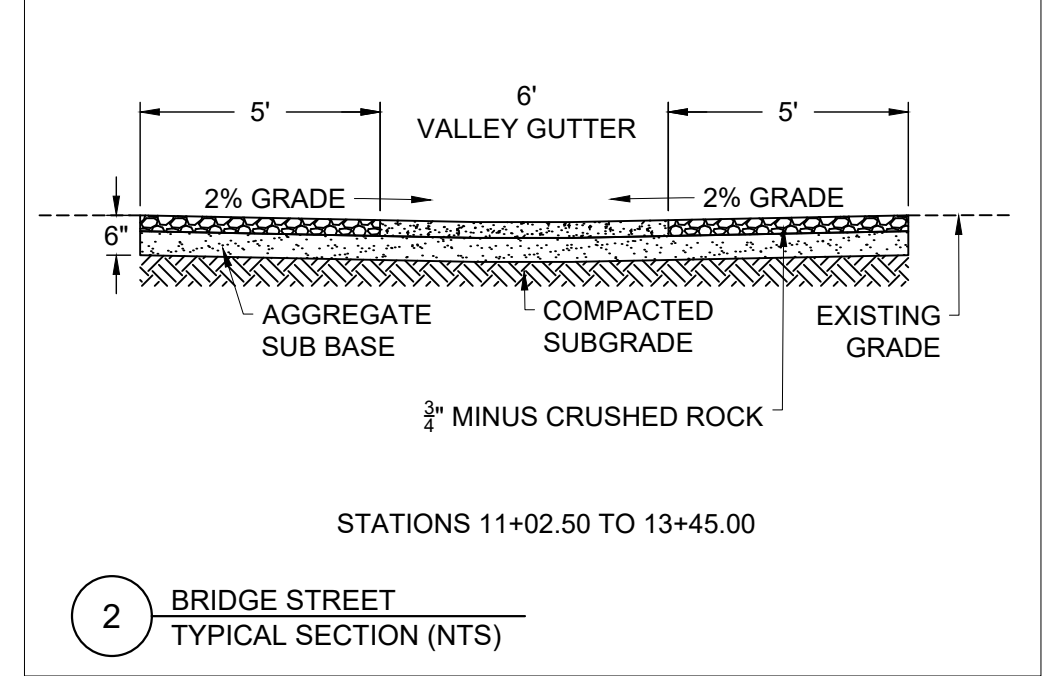
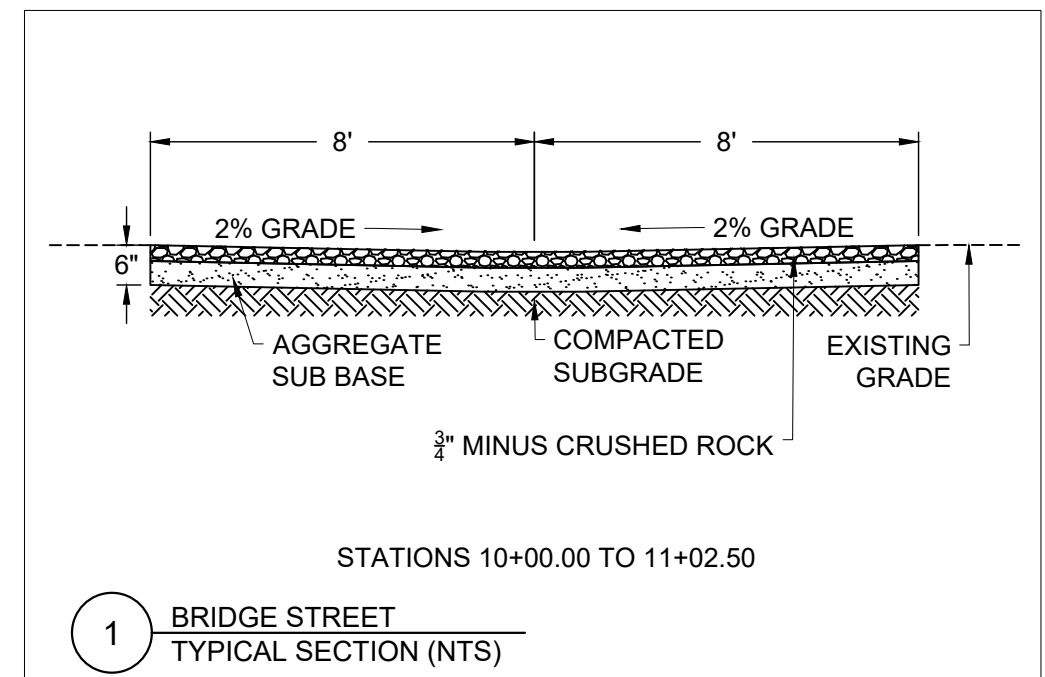
**ICE HOUSE ROAD/MADRID ARROYO AREA
ICE HOUSE UPPER INTERCEPTOR
PLAN AND PROFILE**

DRAWN	RW	DATE	---	DWG. NO.	C007	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT	25	OF	76



KEYED NOTES

1. 6' WIDE VALLEY GUTTER. SEE DETAIL 5 ON SHEET G012.
2. DROP INLET - CATCH BASIN
3. 24" RCP STORM DRAIN
4. 48" DIAMETER MANHOLE



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	AUG 24	CLIENT APPROVALS	DATE
DES. ENG.	SLJ	DATE	AUG 24		
PROJ. ENG.	RGE	DATE	AUG 24		
PROJ. MGR.	TDB	DATE	AUG 24		
APPROVED					
APPROVED					

**ICE HOUSE ROAD/MADRID ARROYO AREA
BRIDGE STREET
PLAN AND PROFILE**

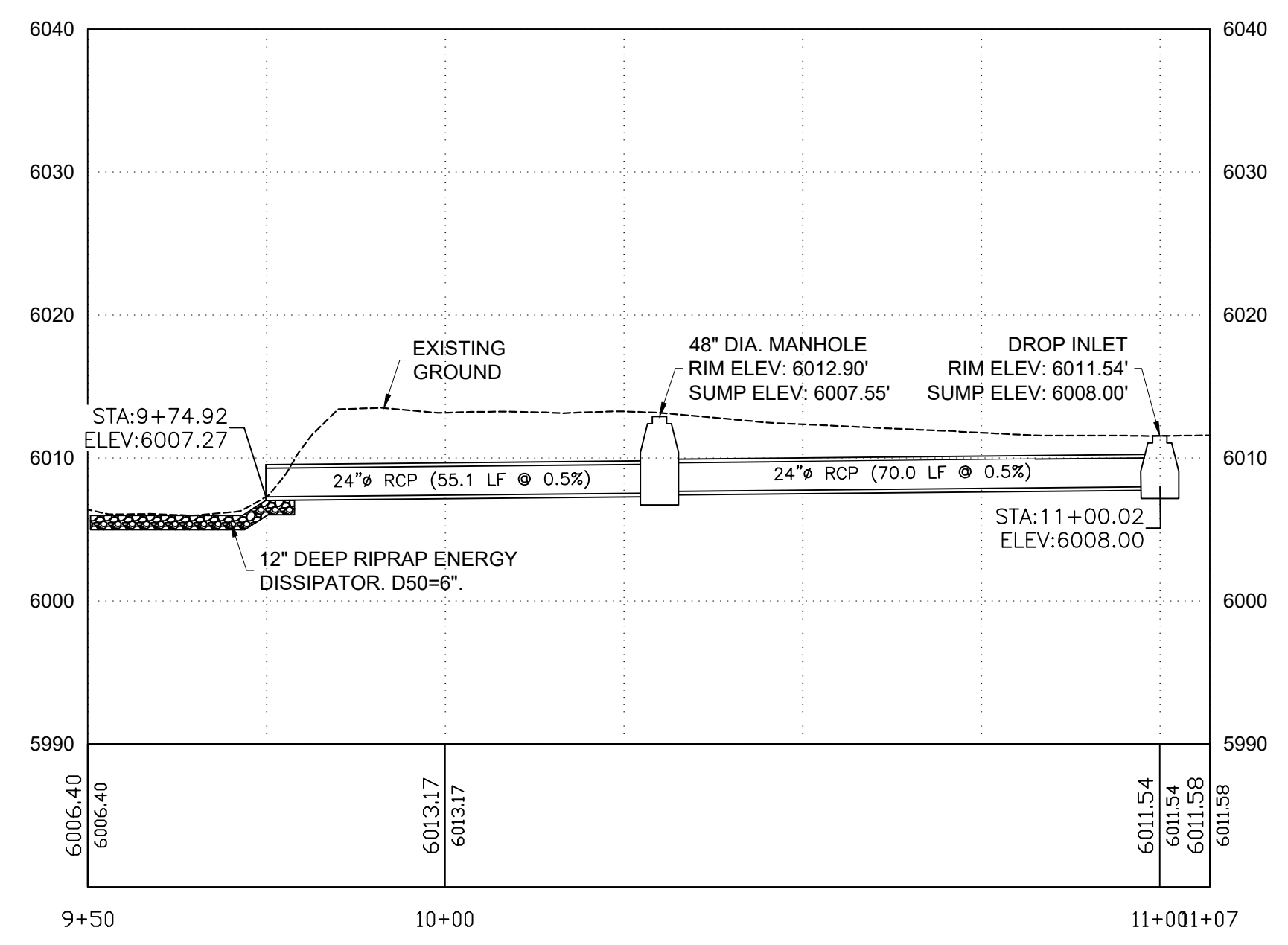
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SCALE		W.O. NO.					
		15740.001.003		SHT	26	OF	76

KEYED NOTES

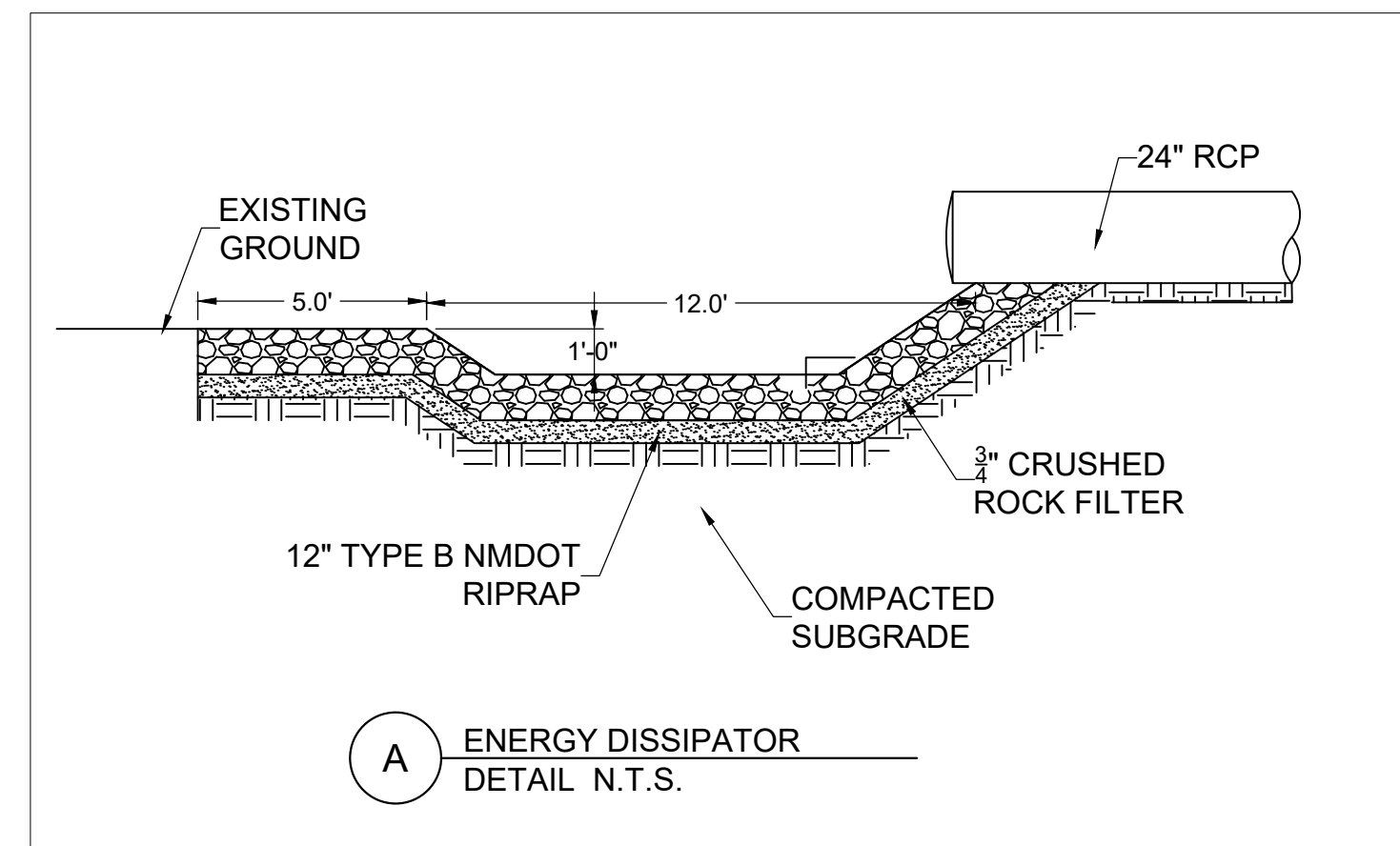
1. DROP INLET - CATCH BASIN.
2. 24" RCP STORM DRAIN.
3. 48" DIAMETER MANHOLE.



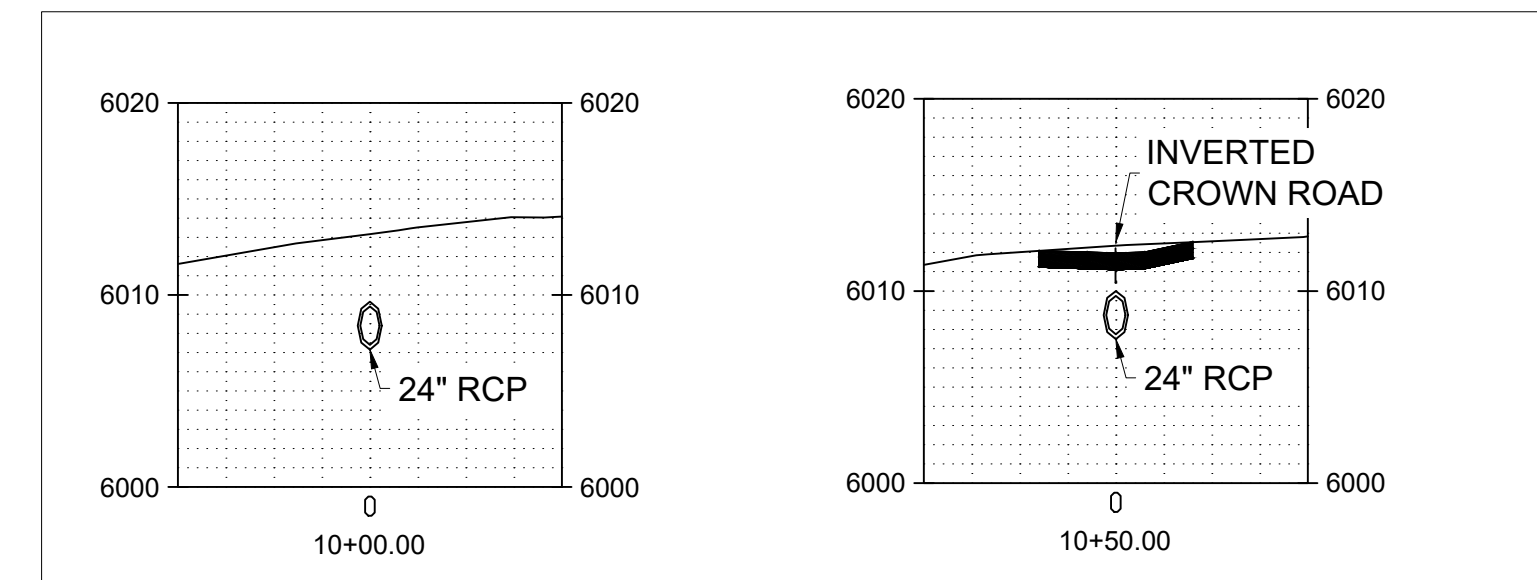
**1 BRIDGE ST. STORM DRAIN
PLAN VIEW**



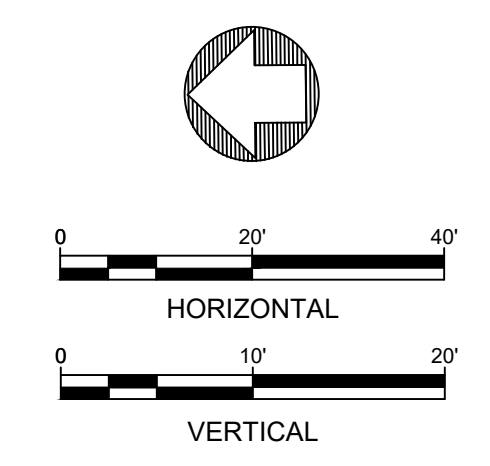
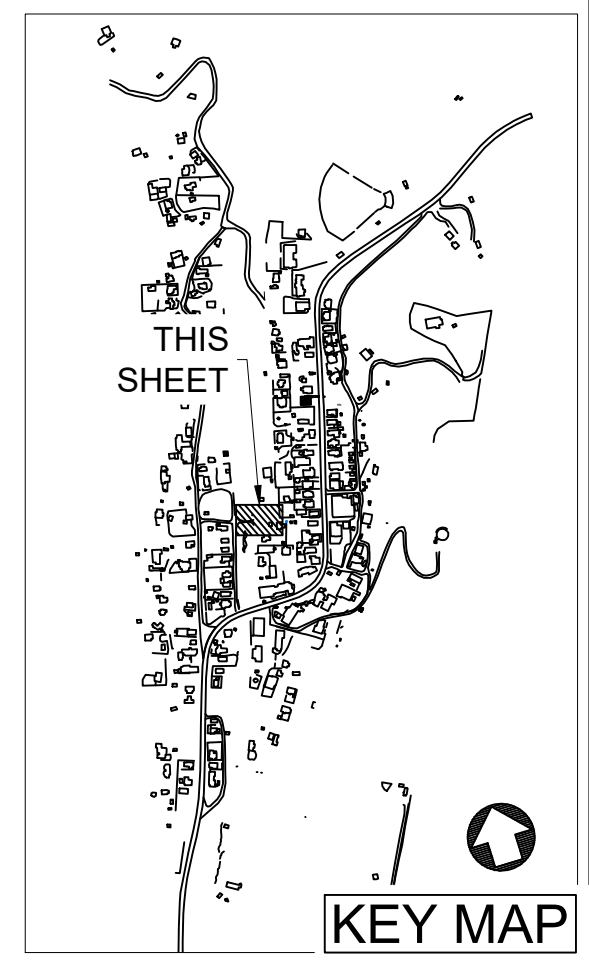
**2 BRIDGE ST. STORM DRAIN
PROFILE VIEW**



**A ENERGY DISSIPATOR
DETAIL N.T.S.**



**3 BRIDGE ST. STORM DRAIN
CROSS-SECTIONS**



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A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

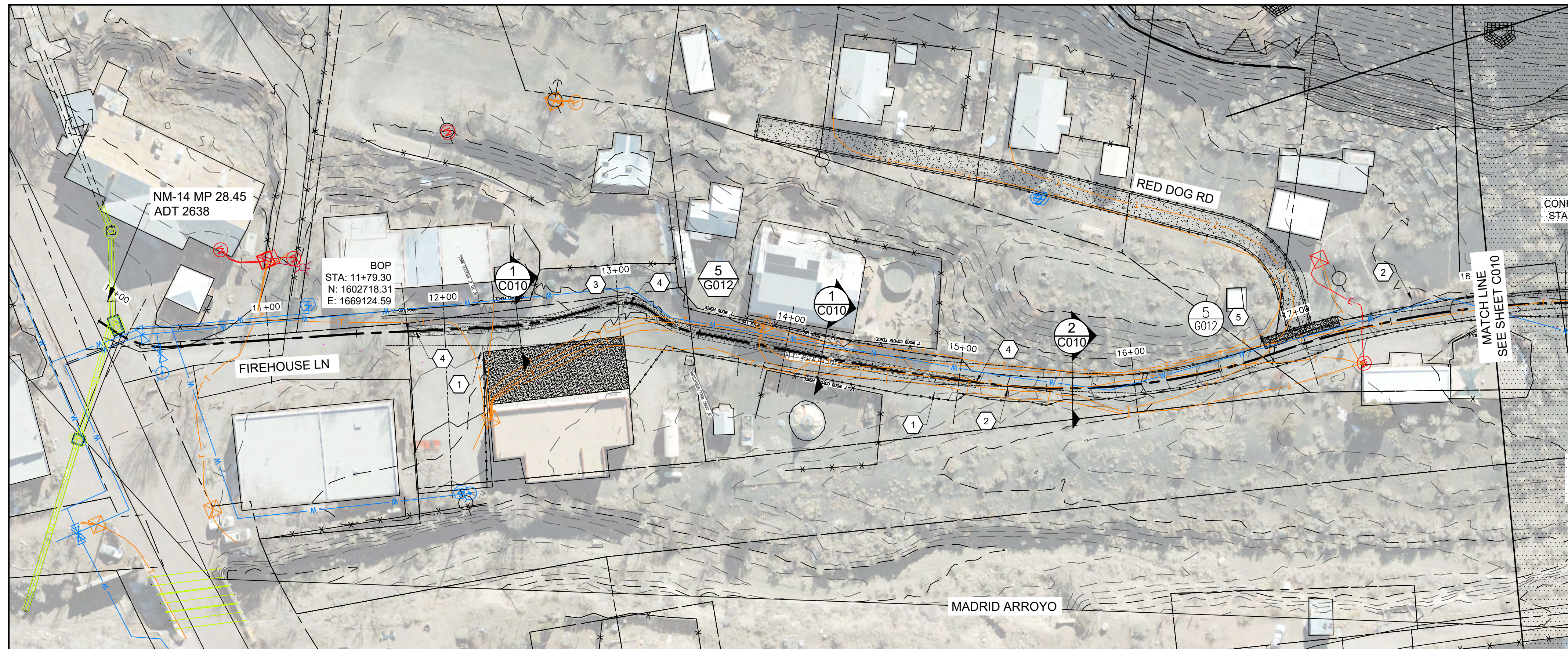
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

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NAH	AUG 24		
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APPROVED			

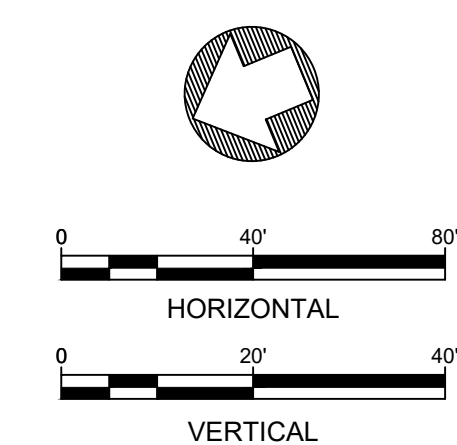
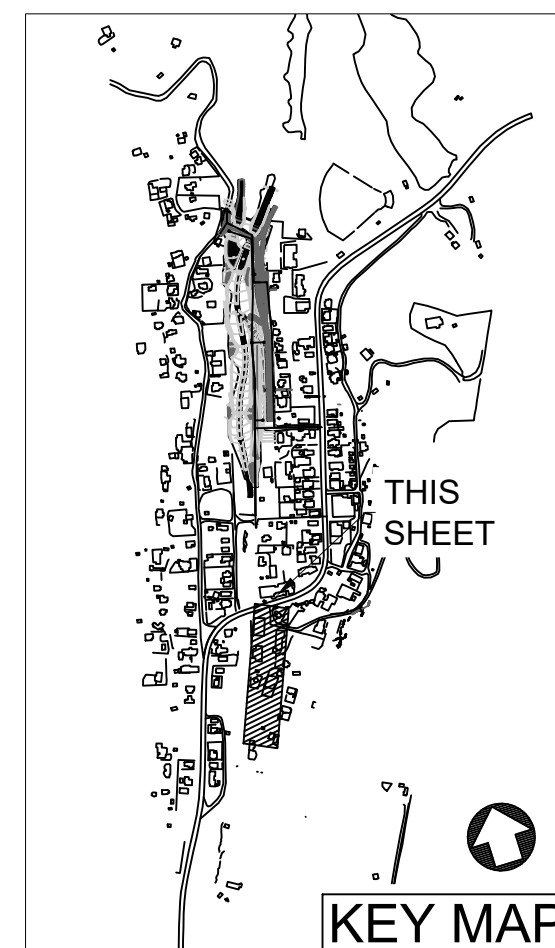
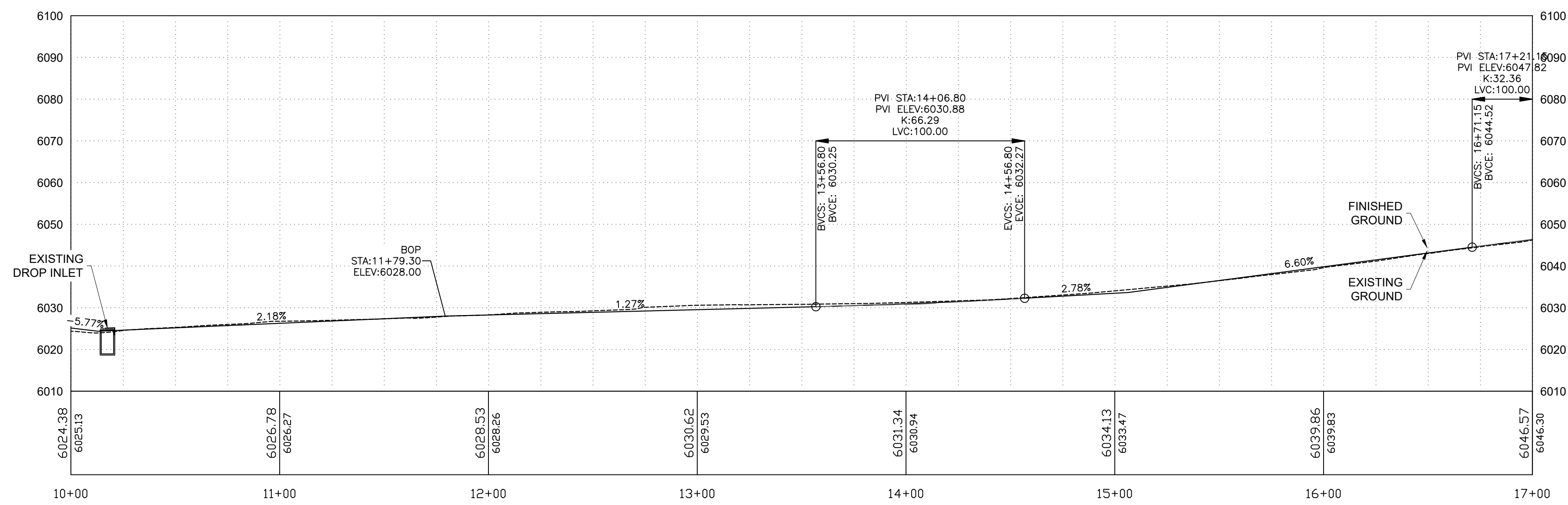
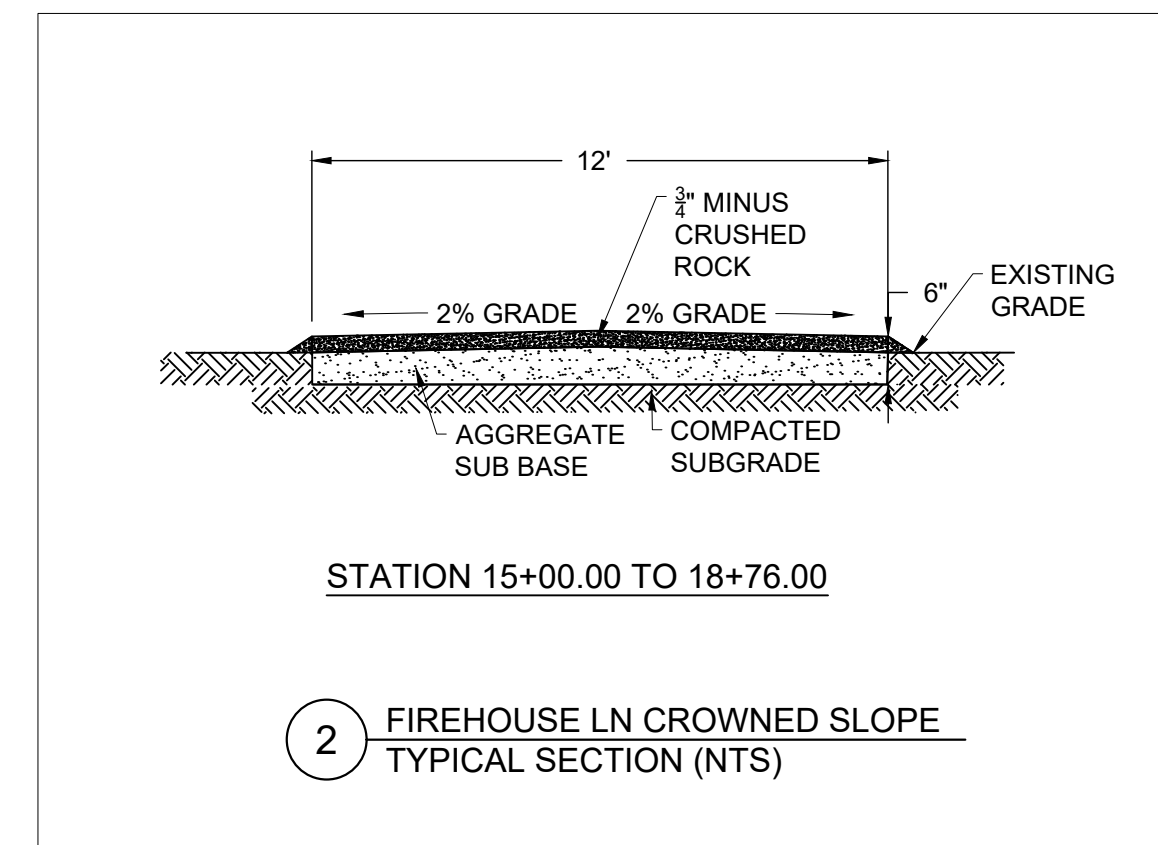
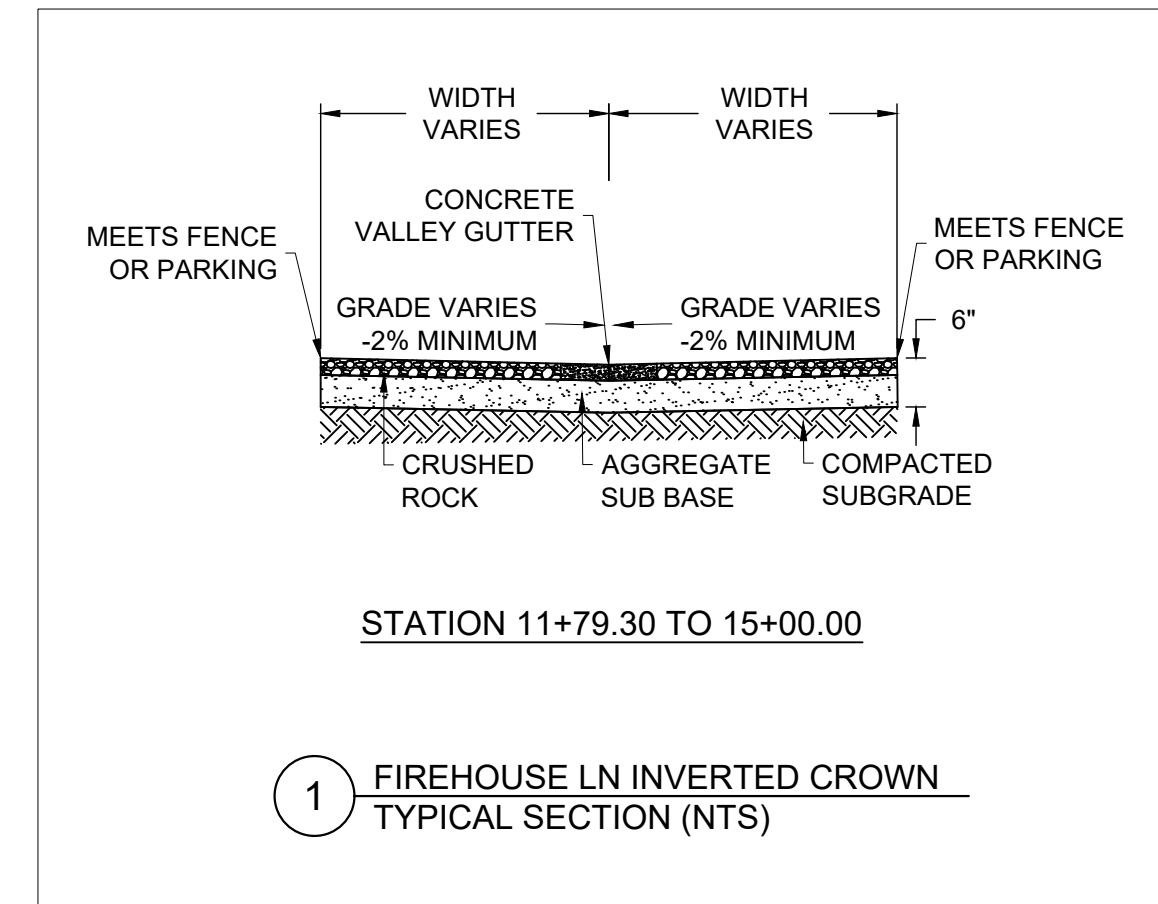
**ICE HOUSE ROAD/MADRID ARROYO AREA
BRIDGE STREET STORM DRAIN
PLAN AND PROFILE**

DRAWN	RW	DATE	---	DWG. NO.	C009	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	27	OF	76



KEYED NOTES

1. 24-FOOT WIDE CROSS-SLOPED GRAVEL ROAD.
2. 12-FOOT WIDE CROSS-SLOPED GRAVEL ROAD WITH V-DITCH 1 FOOT DEEP, 2:1 SIDE SLOPES, AND ROCK ARMORED.
3. DRIVE TURNOUT.
4. 2-FOOT WIDE CONCRETE VALLEY GUTTER
5. BUILD TYPICAL CONCRETE VALLEY GUTTER AT INTERSECTION OF FIREHOUSE LANE AND RED DOG ROAD. SEE DETAIL 6 ON SHEET G012.



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

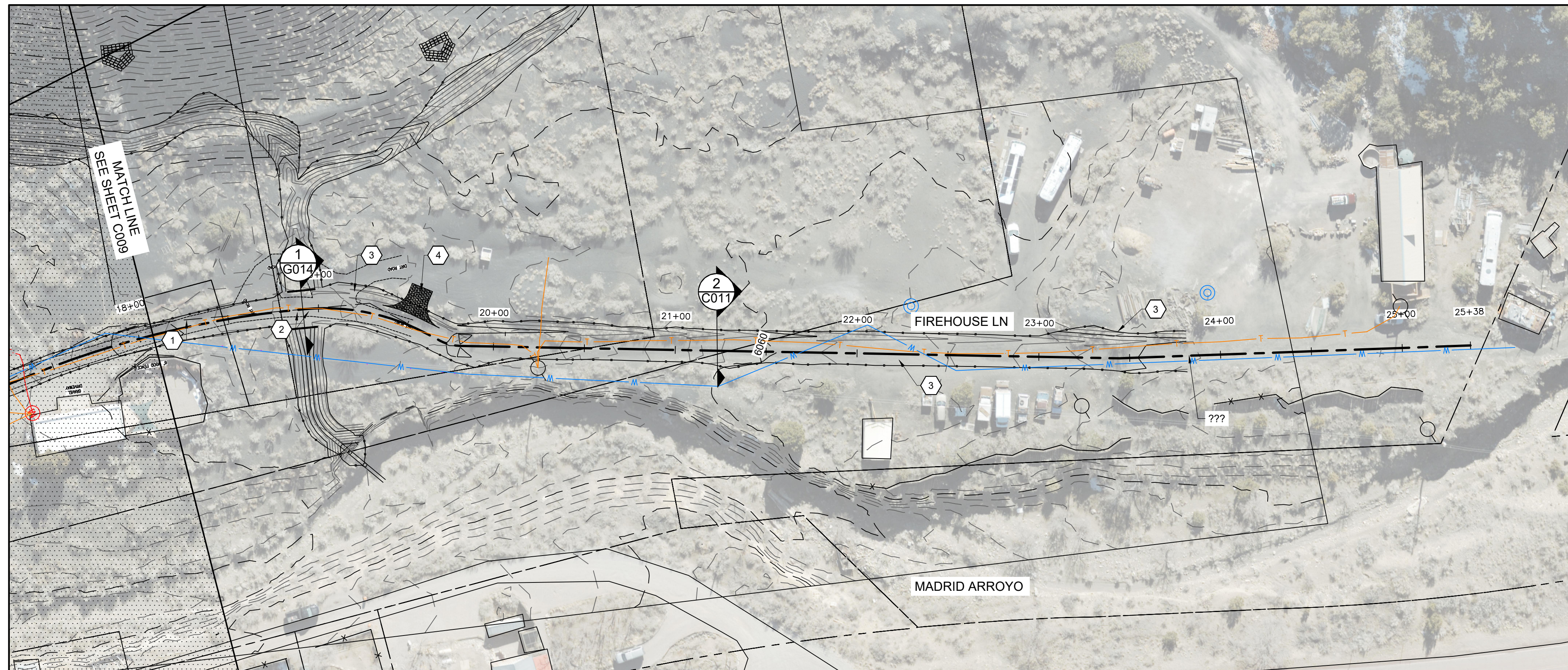
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	DATE	CLIENT APPROVALS	DATE
NAH	AUG 24		
DES. ENG.	SLJ		
PROJ. ENG.	RGE		
PROJ. MGR.	TDB		
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APPROVED			

**FIREHOUSE LANE AREA
FIREHOUSE LANE
PLAN AND PROFILE (1 OF 2)**

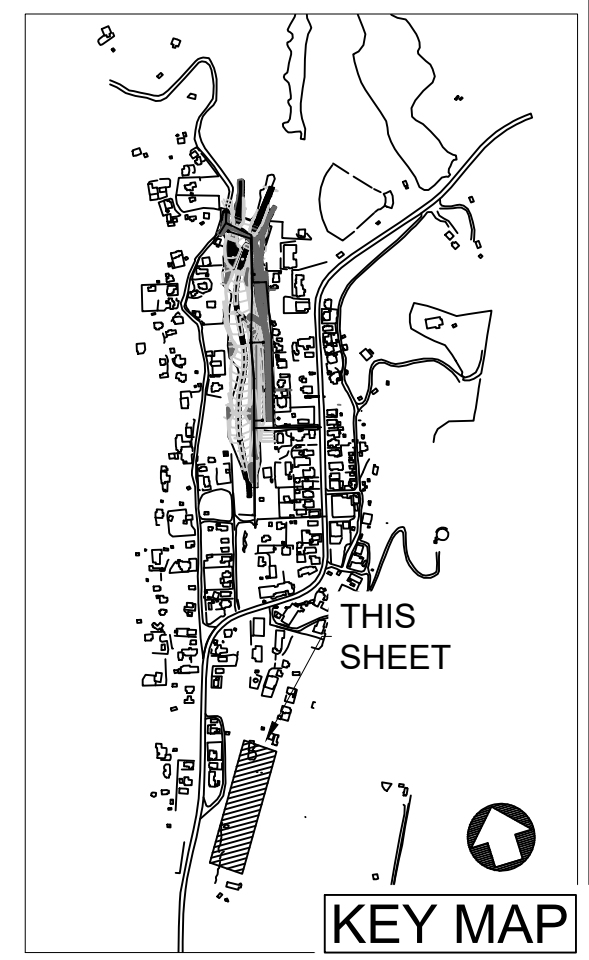
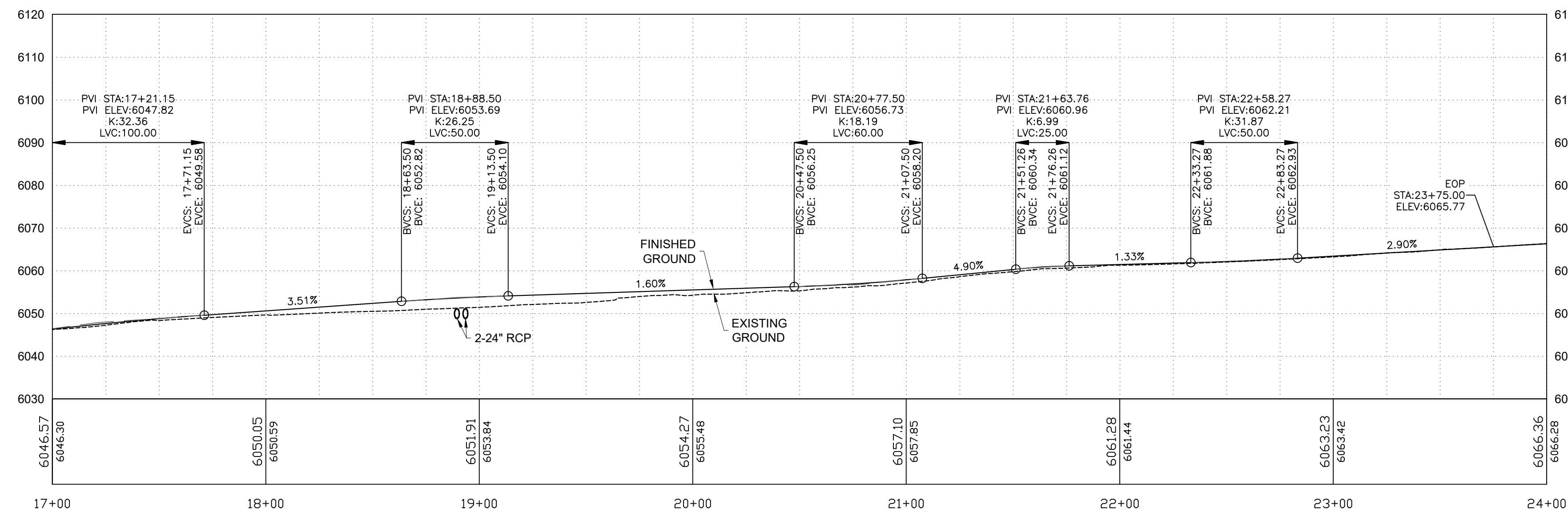
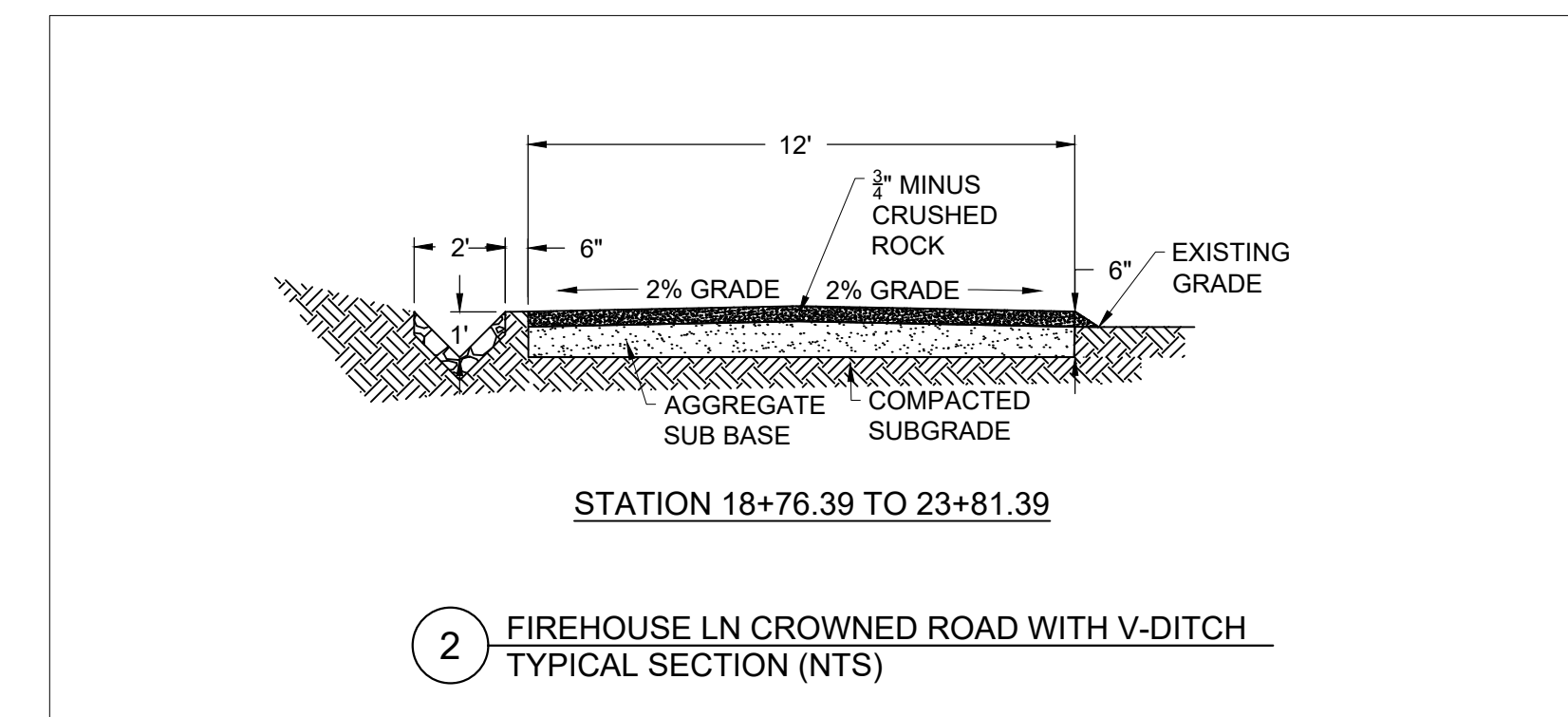
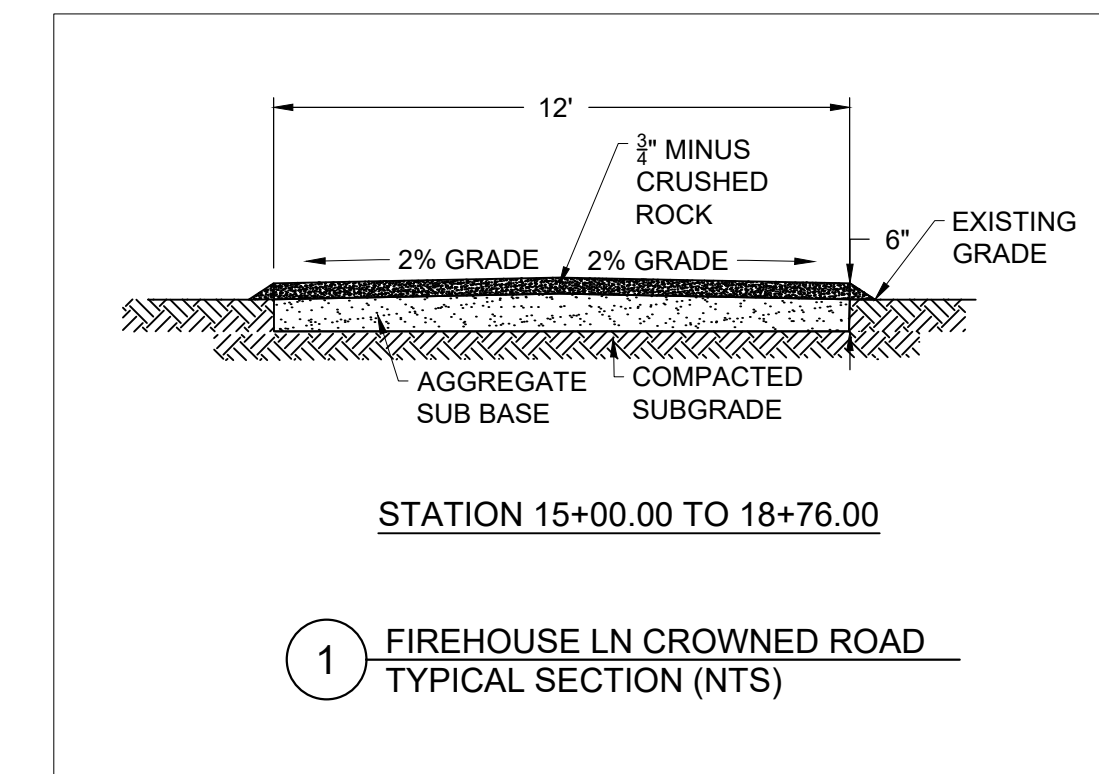
DRAWN	RW	DATE	---	DWG. NO.	C010	REV. NO.	A
SCALE		W.O. NO.					
				15740.001.003	SHT	28	OF 76



KEYED NOTES

- 12-FOOT WIDE CROSS-SLOPED GRAVEL ROAD WITH V-DITCH 1 FOOT DEEP, 2:1 SIDE SLOPES, AND ROCK ARMORED.
- TWO 24-INCH REINFORCED CONCRETE PIPES AND HEADWALLS.
- 12-FOOT WIDE CROWNED GRAVEL ROAD WITH TRAPEZOID CHANNEL 2-FOOT DEEP, 2-FOOT BOTTOM WIDTH, 2:1 SIDE SLOPES, AND ARMORED WITH ROCK.
- 12'-FOOT WIDE DRIVE PAD WITH 18-INCH CMP CULVERT AND END SECTIONS PLACED ALONG THE FLOW LINE.

CONSTRUCTION NOTES



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

WESTON SOLUTIONS

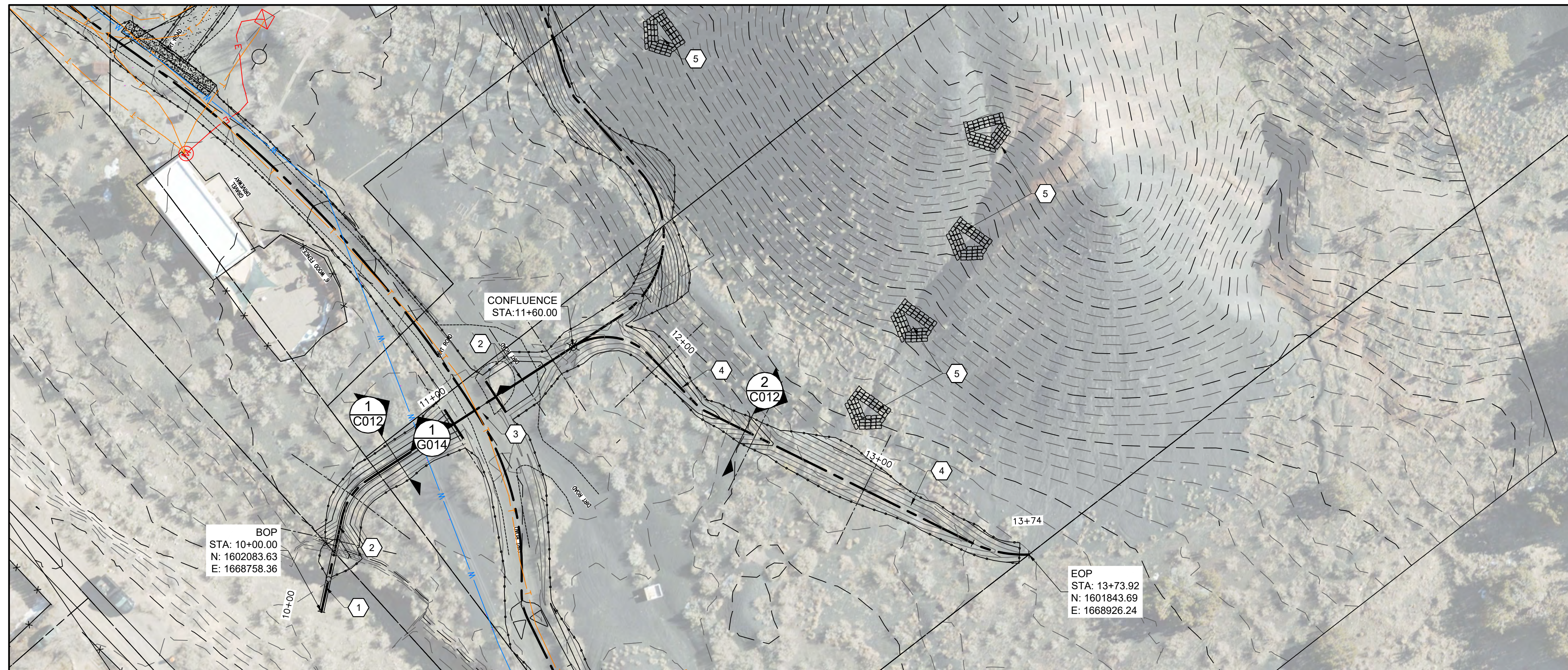
ALBUQUERQUE NEW MEXICO

CHECKED	DATE	CLIENT APPROVALS	DATE
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DES. ENG.	SLJ		AUG 24
PROJ. ENG.	RGE		AUG 24
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APPROVED			
APPROVED			

**FIREHOUSE LANE AREA
FIREHOUSE LANE
PLAN AND PROFILE (2 OF 2)**

DRAWN	RW	DATE	---	DWG. NO.	C011	REV. NO.	A
SCALE		W.O. NO.				SHT	29 OF 76

15740.001.003

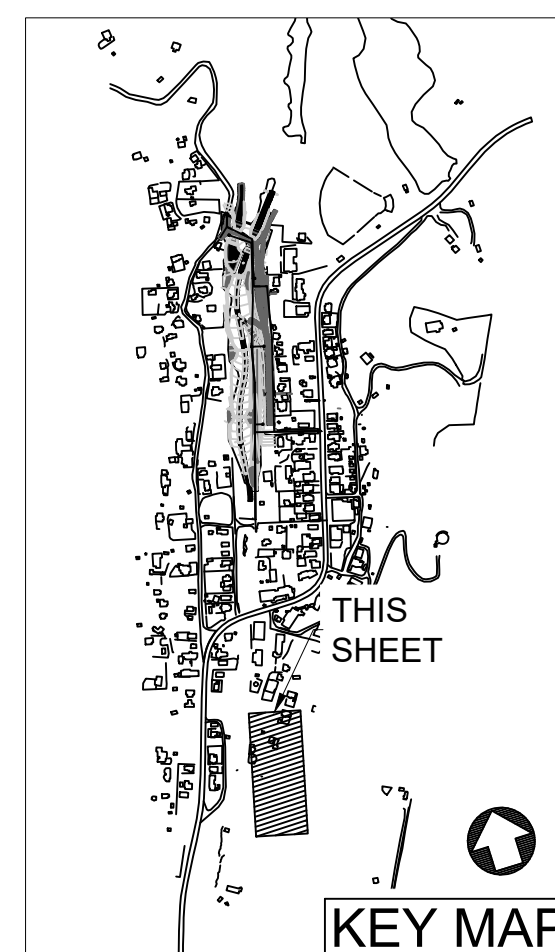
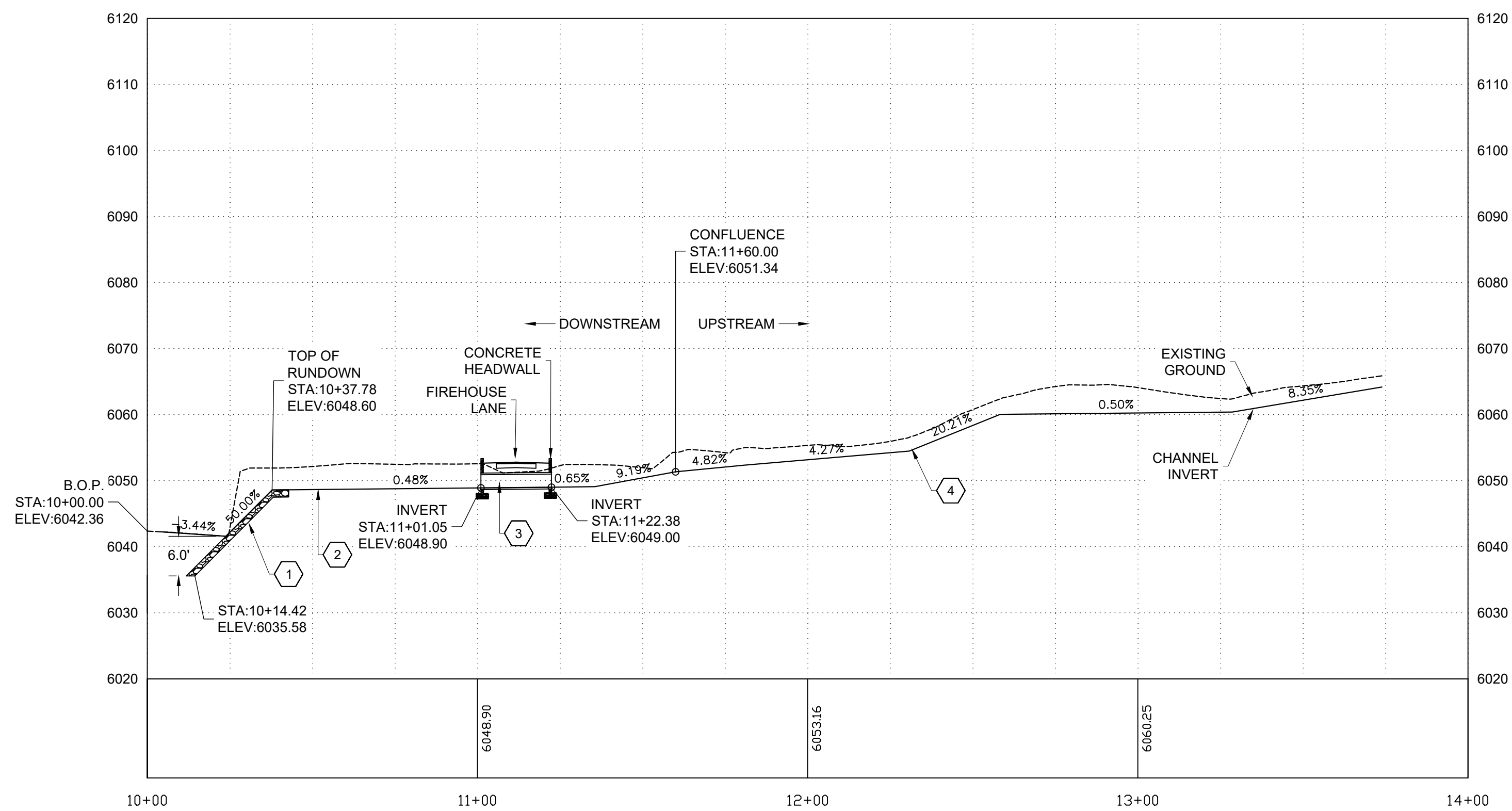
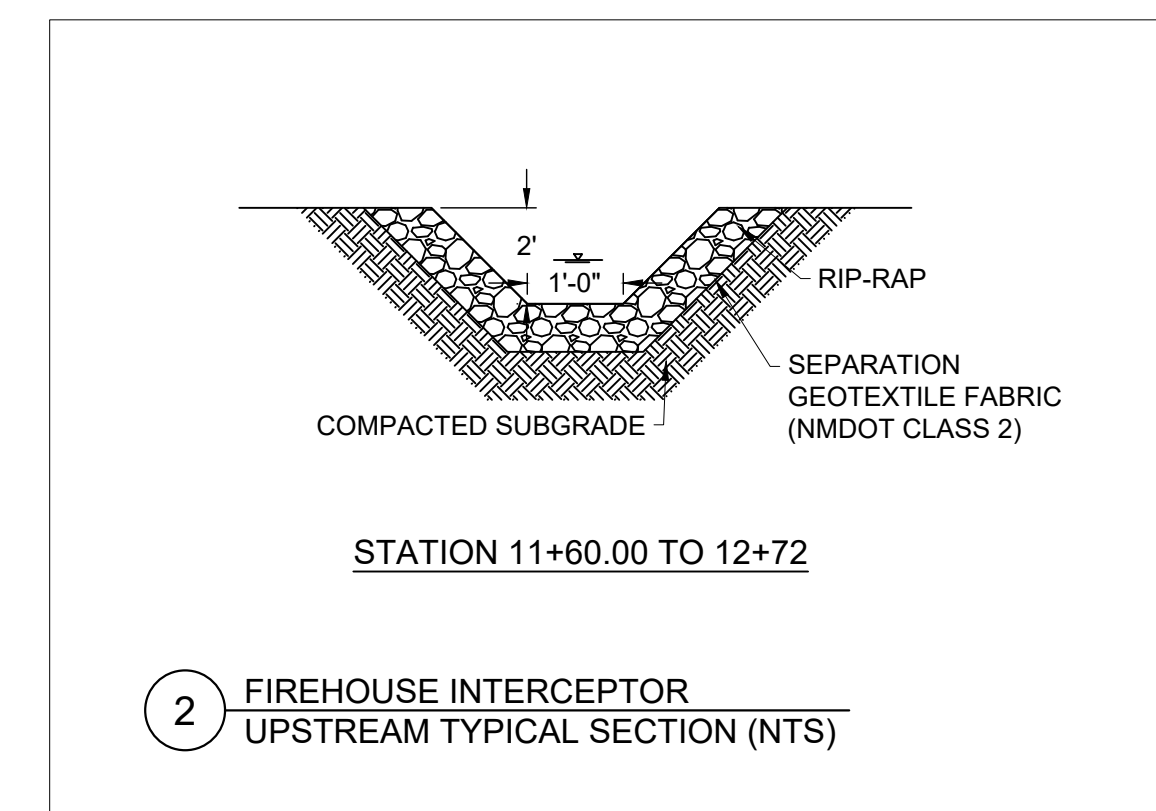
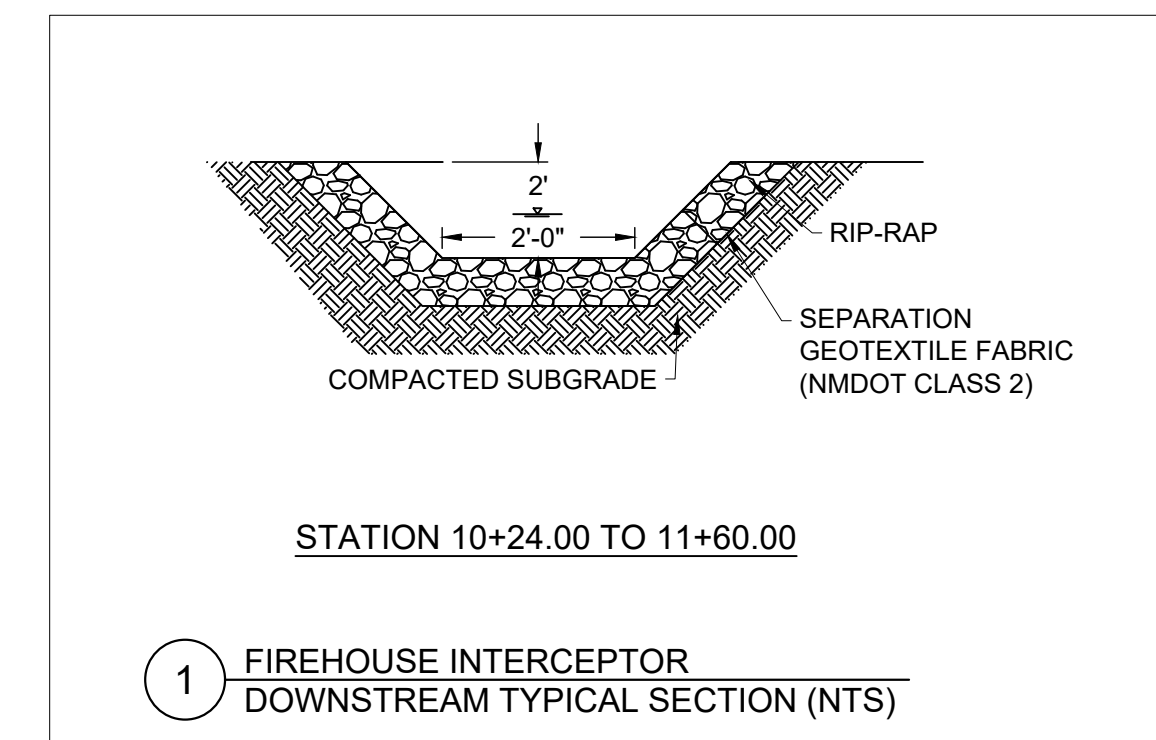


KEYED NOTES

1. GROUDED RIP RAP RUNDOWN.
2. TRAPEZOIDAL CHANNEL 2-FOOT DEEP, 2-FOOT BOTTOM WIDTH, 2:1 SIDE SLOPES, AND ARMORED WITH NMDOT TYPE B RIPRAP. SEE DETAIL ON DWG G007.
3. TWO 24-INCH REINFORCED CONCRETE PIPES AND HEADWALLS.
4. TRAPEZOIDAL CHANNEL 2 FOOT DEEP, 1-FOOT BOTTOM WIDTH, 2:1 SIDE SLOPES AND ARMORED WITH NMDOT TYPE B RIPRAP. SEE SHEET G007 FOR TYPICAL SECTION.
5. PLUNGE POOL (TYP). 1
G012

CONSTRUCTION NOTES

- A. FIREHOUSE UPPER INTERCEPTOR IS TRAPEZOIDAL 2 FT DEEP AND 1 FT WIDE, WITH 2:1 SIDE SLOPES.



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

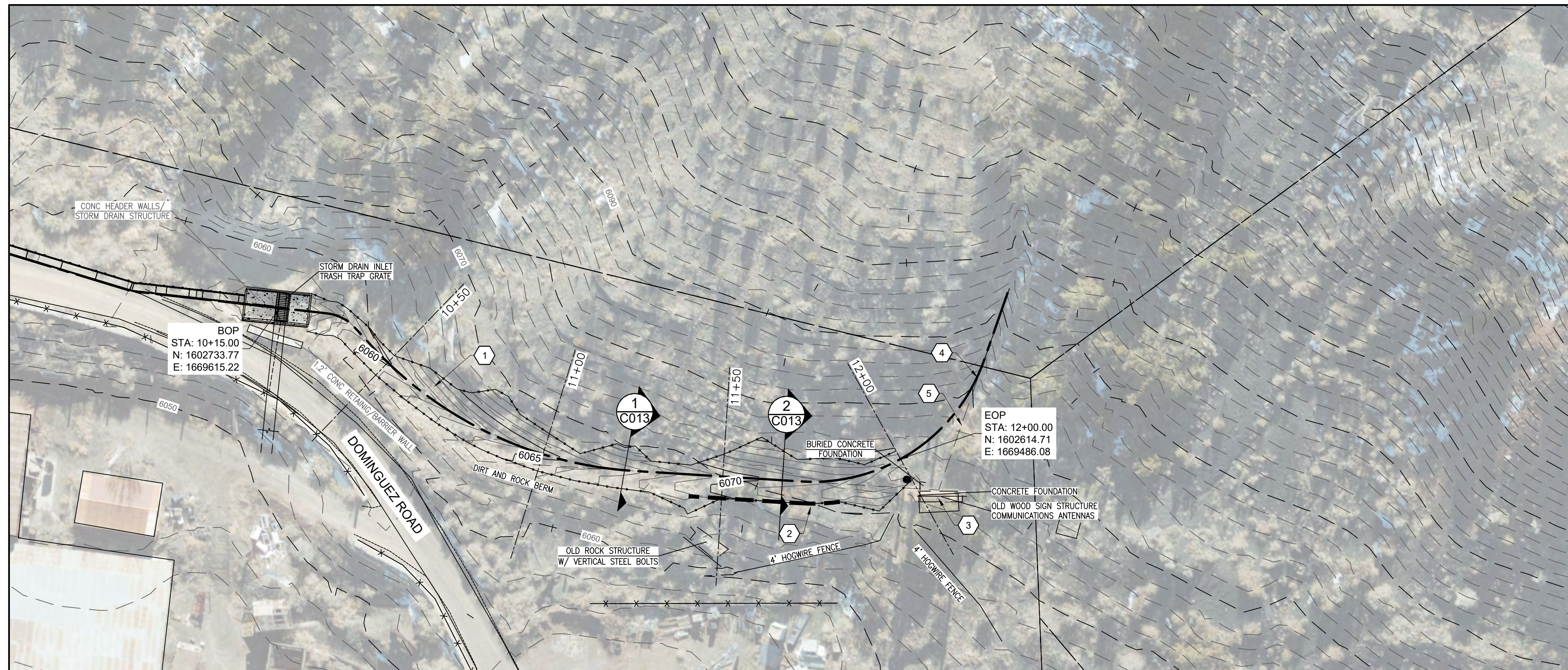
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	DATE	CLIENT APPROVALS	DATE
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DES. ENG.	SLJ		AUG 24
PROJ. ENG.	RGE		AUG 24
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**FIREHOUSE LANE AREA
FIREHOUSE INTERCEPTOR
PLAN AND PROFILE**

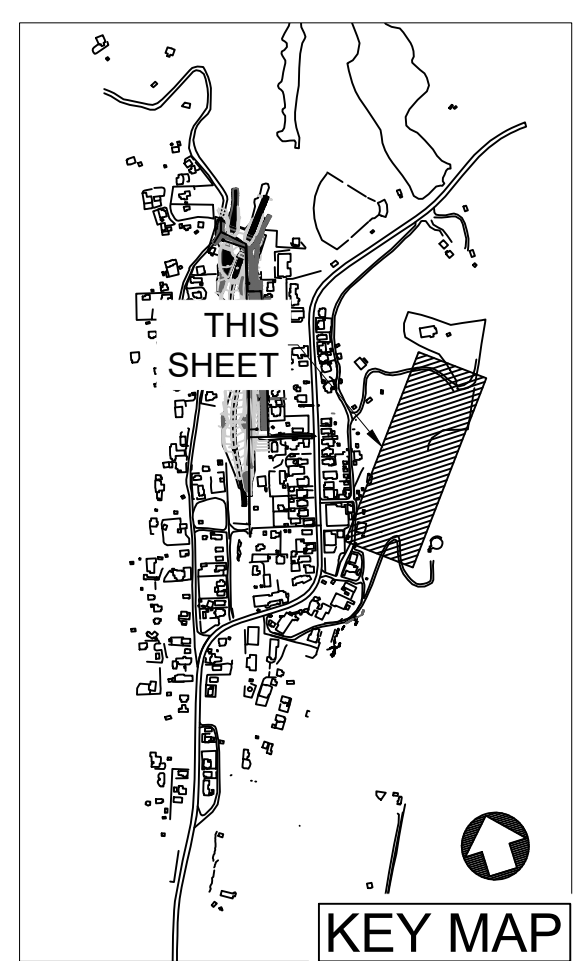
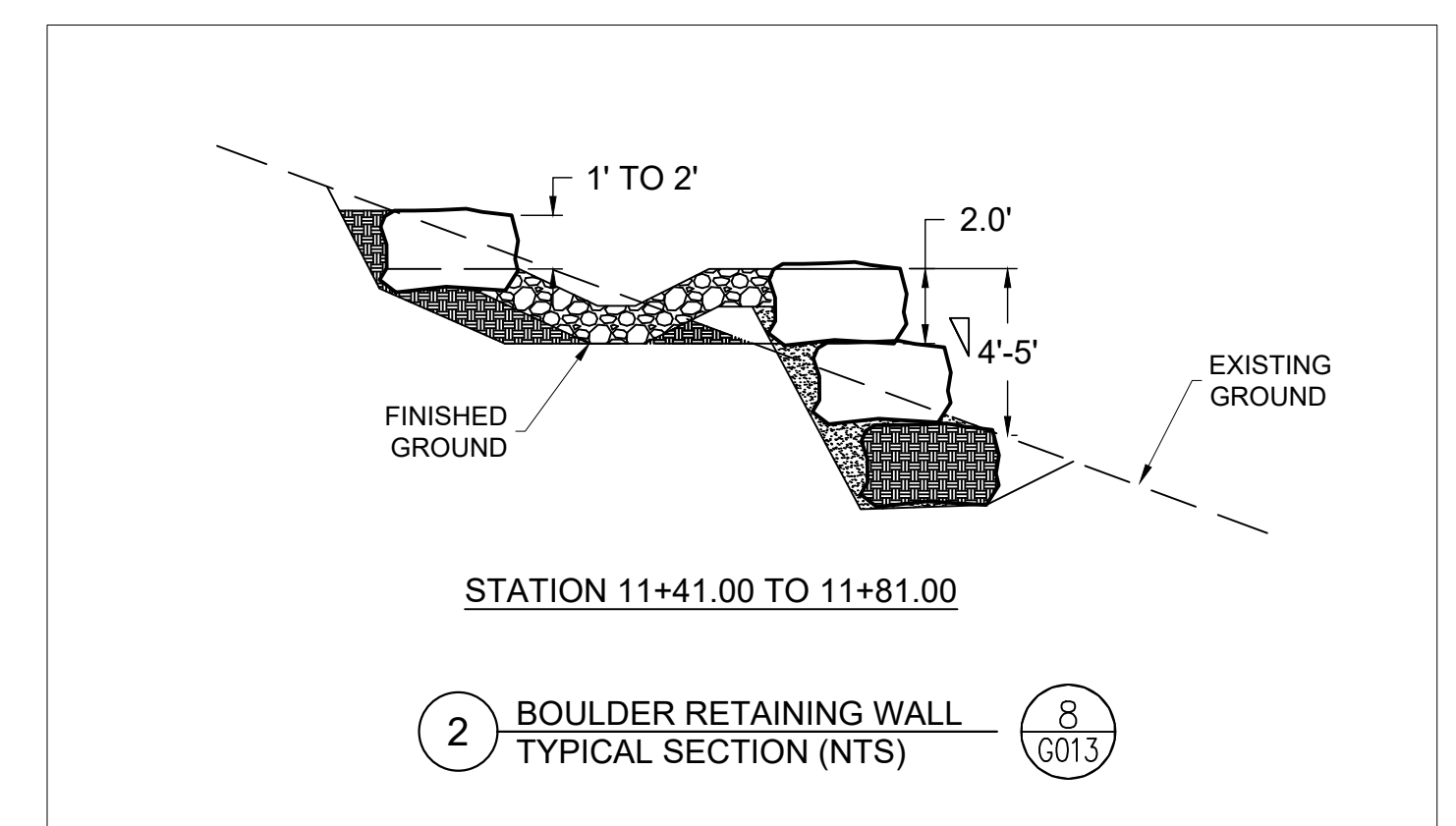
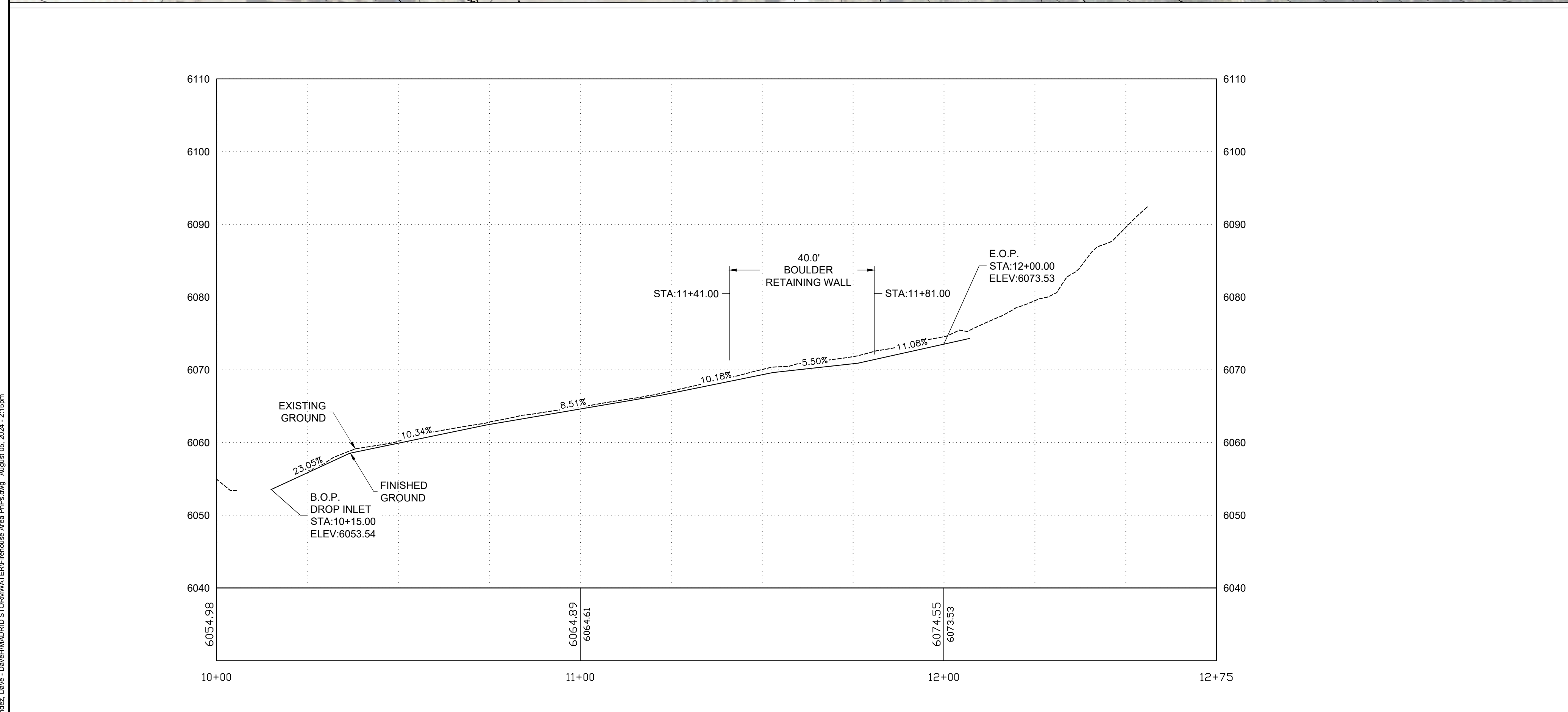
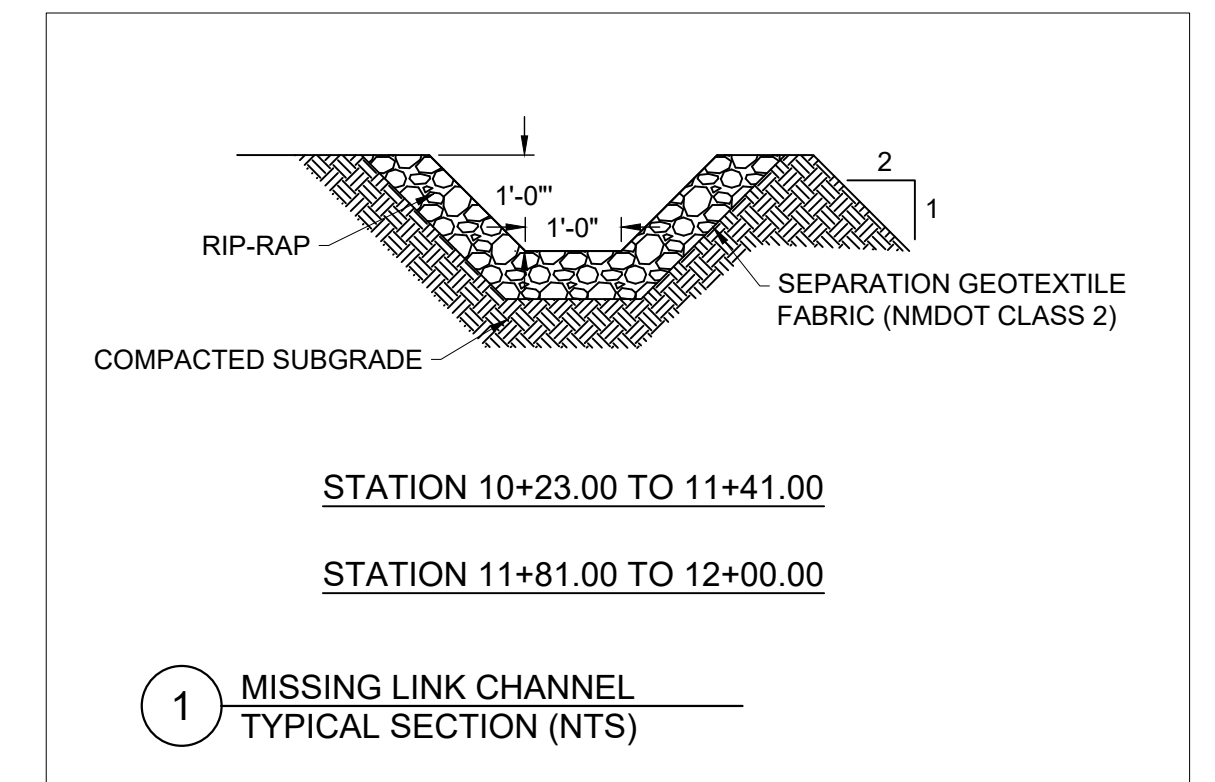
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SCALE		W.O. NO.					
				15740.001.003	SHT	30	OF 76



KEYED NOTES

1. TRAPEZOID CHANNEL.
2. BOULDER RETAINING WALL.
3. EXISTING POWER POLES (ABANDONED)
4. EXISTING ROCK DROP STRUCTURE
5. EXISTING PLUNGE POOL

CONSTRUCTION NOTES



NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

WESTON SOLUTIONS

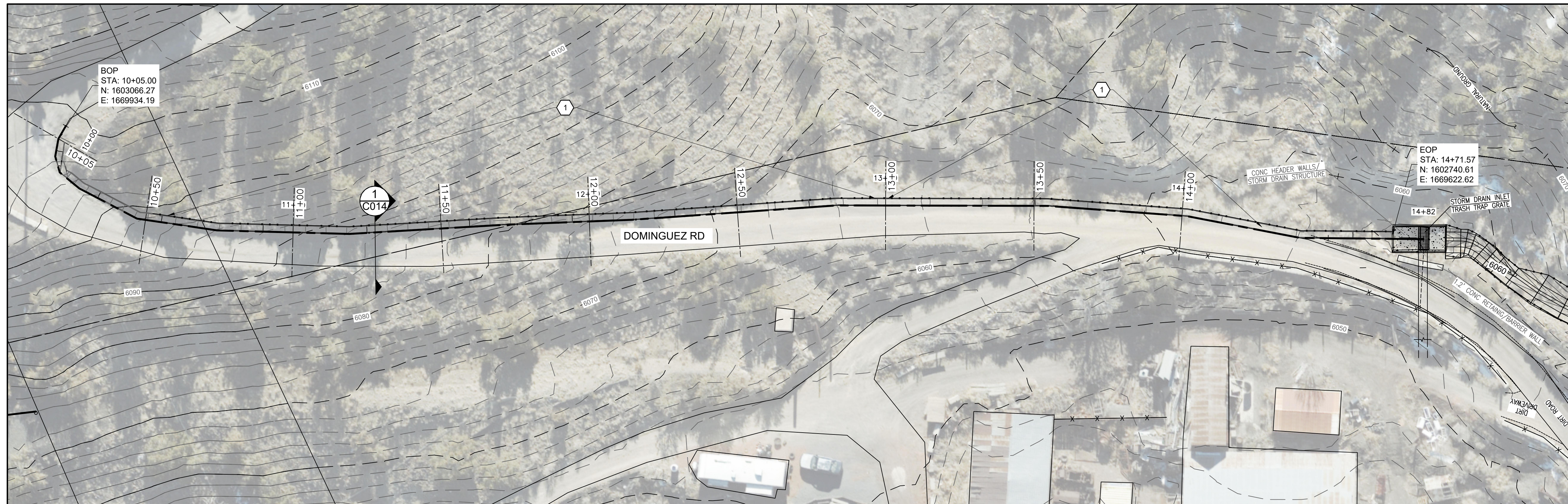
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PROJ. MGR. TDB	AUG 24		
APPROVED			
APPROVED			

**FIREHOUSE LANE AREA
MISSING LINK CHANNEL
PLAN AND PROFILE**

DRAWN	RW	DATE	---	DWG. NO.	C013	REV. NO.	A
SCALE		W.O. NO.					
		15740.001.003		SHT	31	OF	76

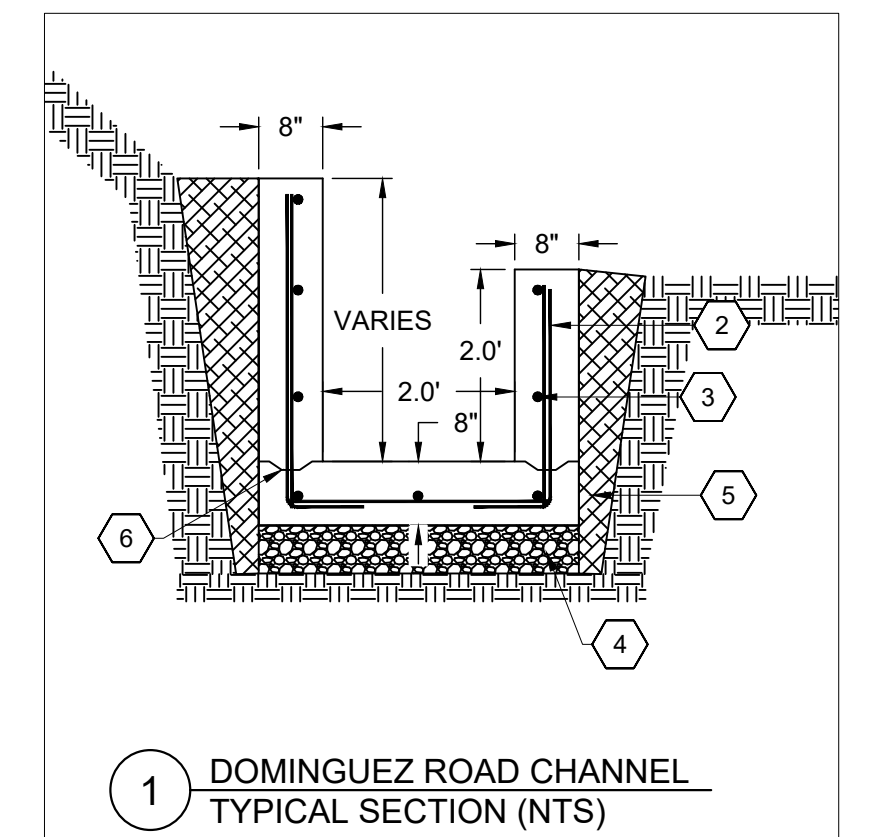
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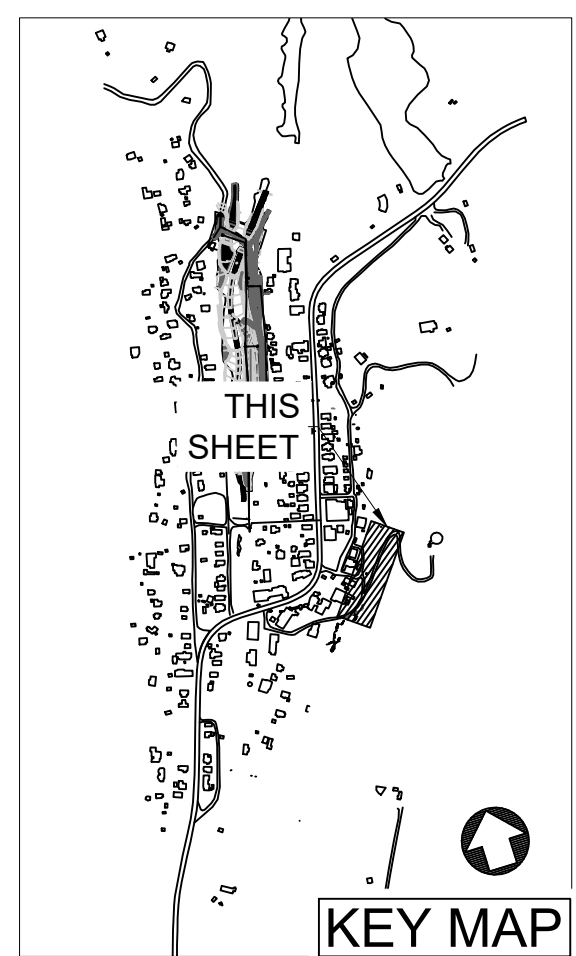
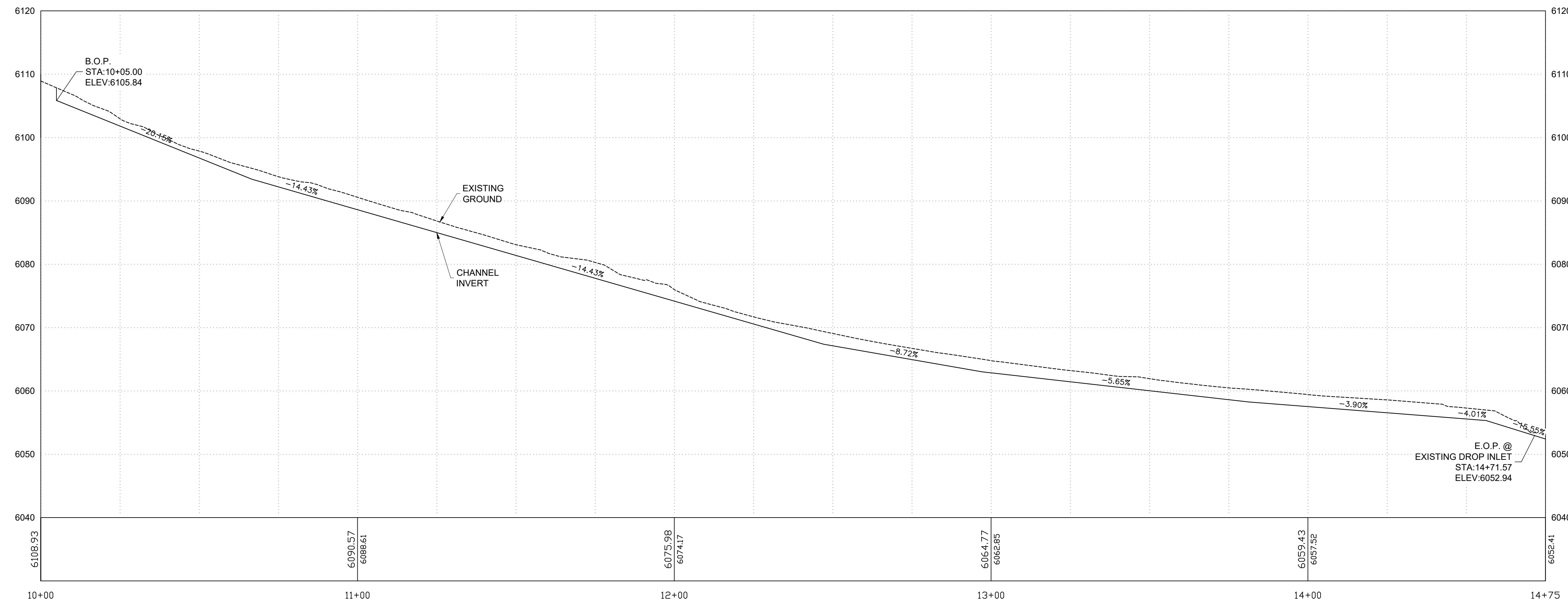
KEYED NOTES

1. 2'x2' RECTANGULAR CONCRETE DITCH
2. #5 BARS 15" O.C.
3. #7 BARS 15" O.C.
4. PLACE ON 6" COMPACTED BASE COURSE
5. COMPACTED BACKFILL
6. COLD KEY JOINT 1/4" WIDE X 2" DEEP TOOLED OR SAWCUT JOINT. SEAL WITH NP-1 SEALANT

CONSTRUCTION NOTES



1 DOMINGUEZ ROAD CHANNEL
TYPICAL SECTION (NTS)



KEY MAP

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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

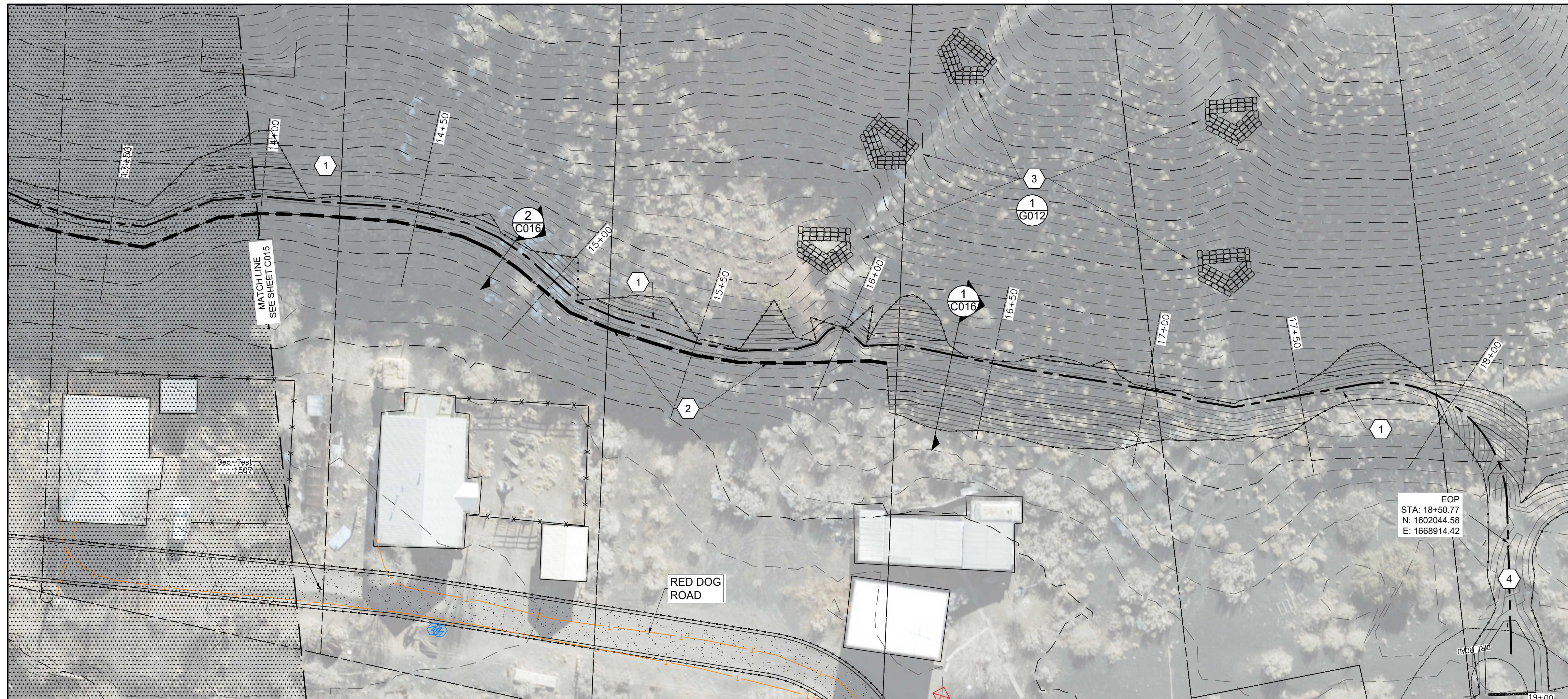
WESTON SOLUTIONS

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CHECKED	DATE	CLIENT APPROVALS	DATE
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DES. ENG.	SLJ		AUG 24
PROJ. ENG.	RGE		AUG 24
PROJ. MGR.	TDB		AUG 24
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APPROVED			

**FIREHOUSE LANE AREA
DOMINGUEZ ROAD CHANNEL
PLAN AND PROFILE**

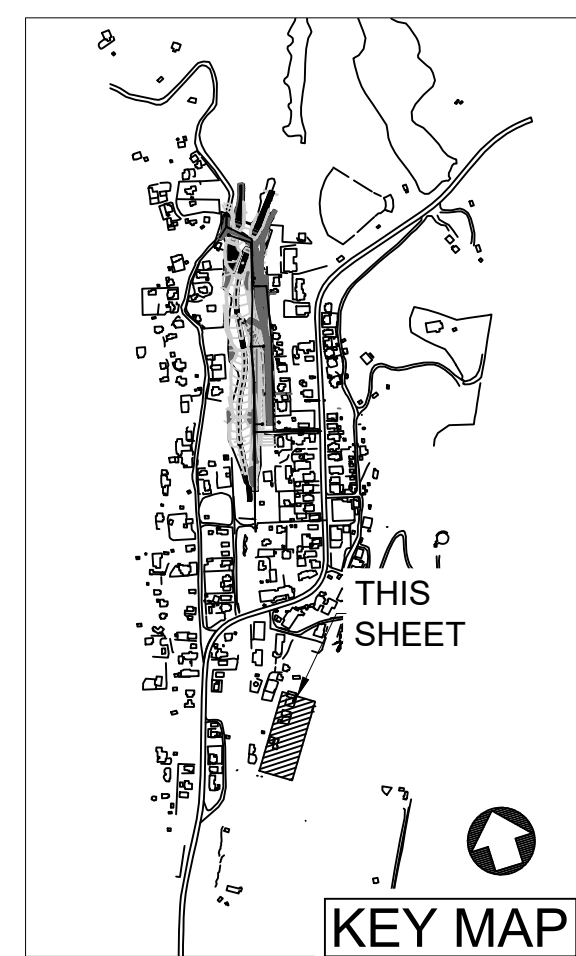
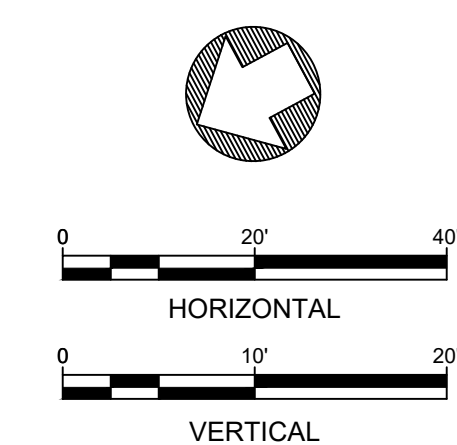
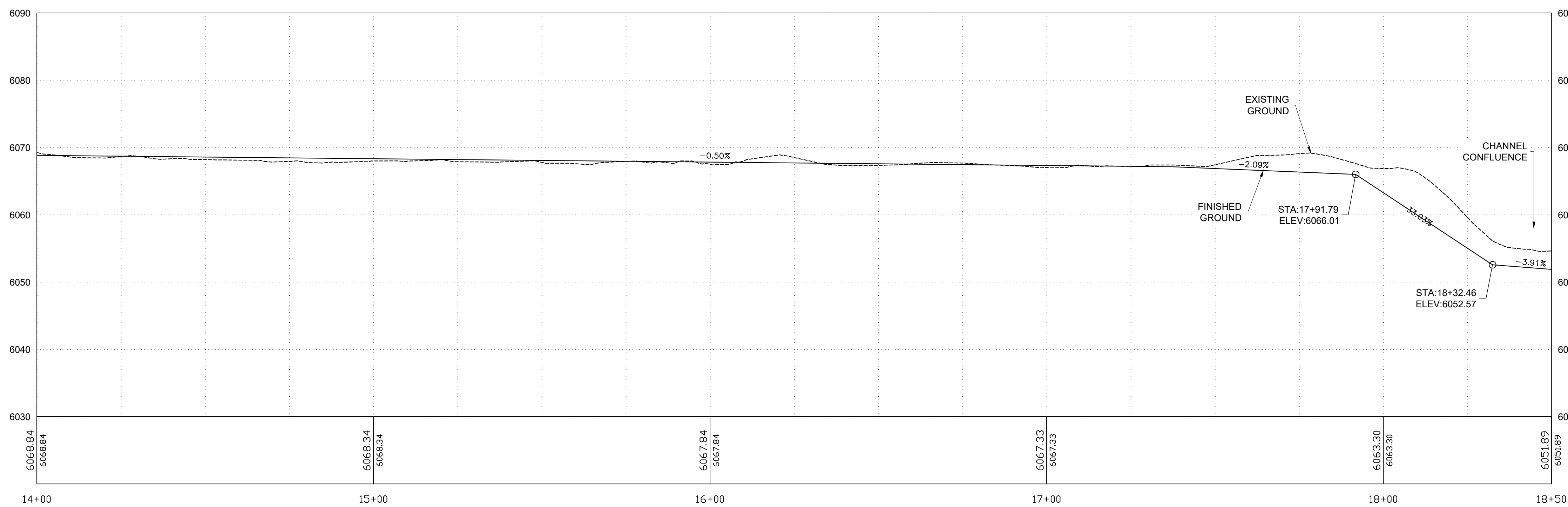
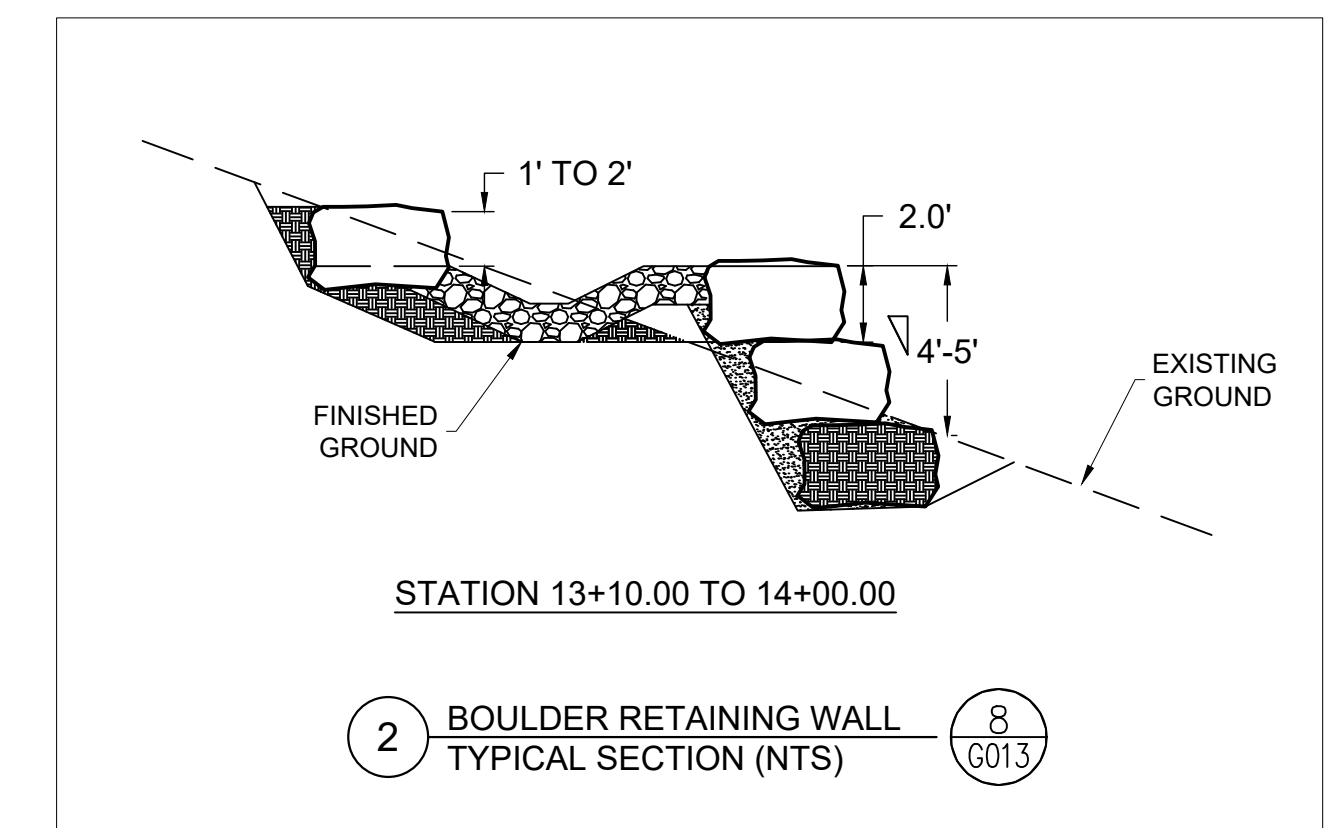
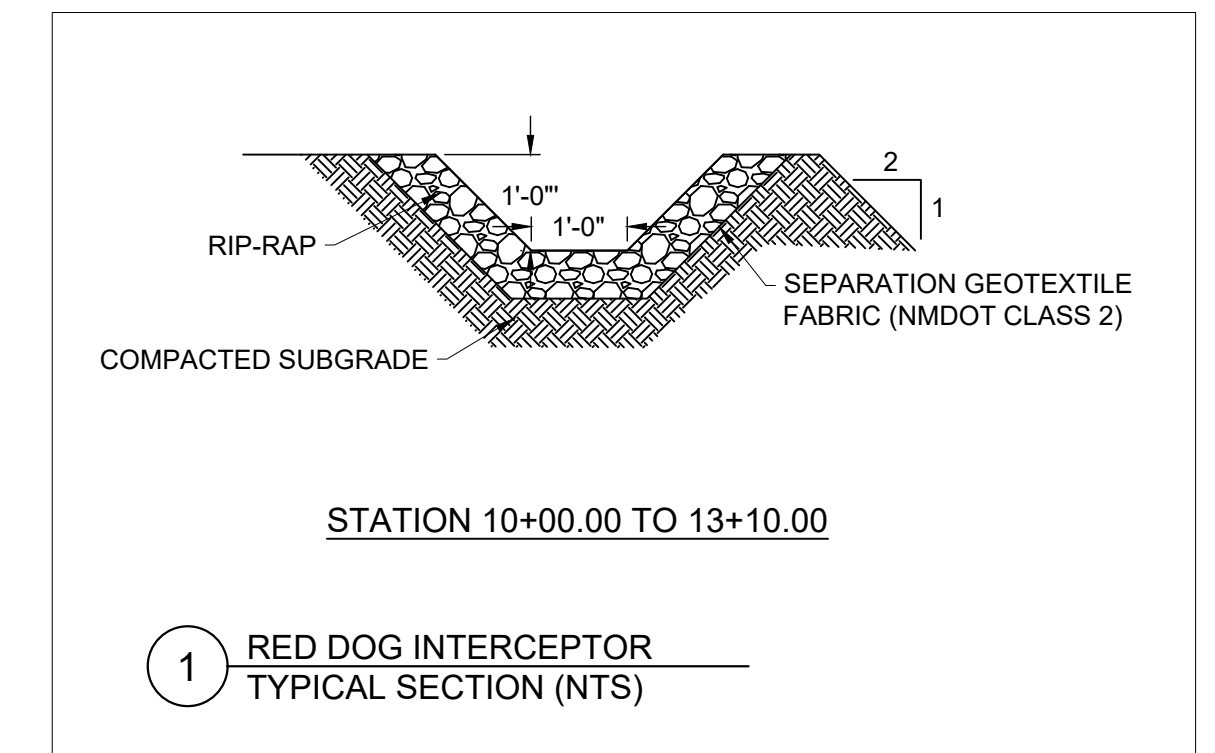
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SCALE		W.O. NO.	15740.001.003	SHT	32	OF	76



KEYED NOTES

1. TRAPEZOIDAL CHANNEL 1 FT DEEP, 1 FT WIDE, 2:1 SIDE SLOPES.
2. BOULDER RETAINING WALL.
3. PLUNGE POOL.
4. CONFLUENCE CHANNEL

CONSTRUCTION NOTES



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

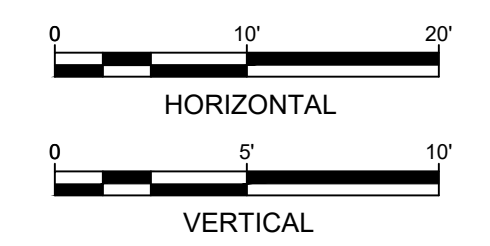
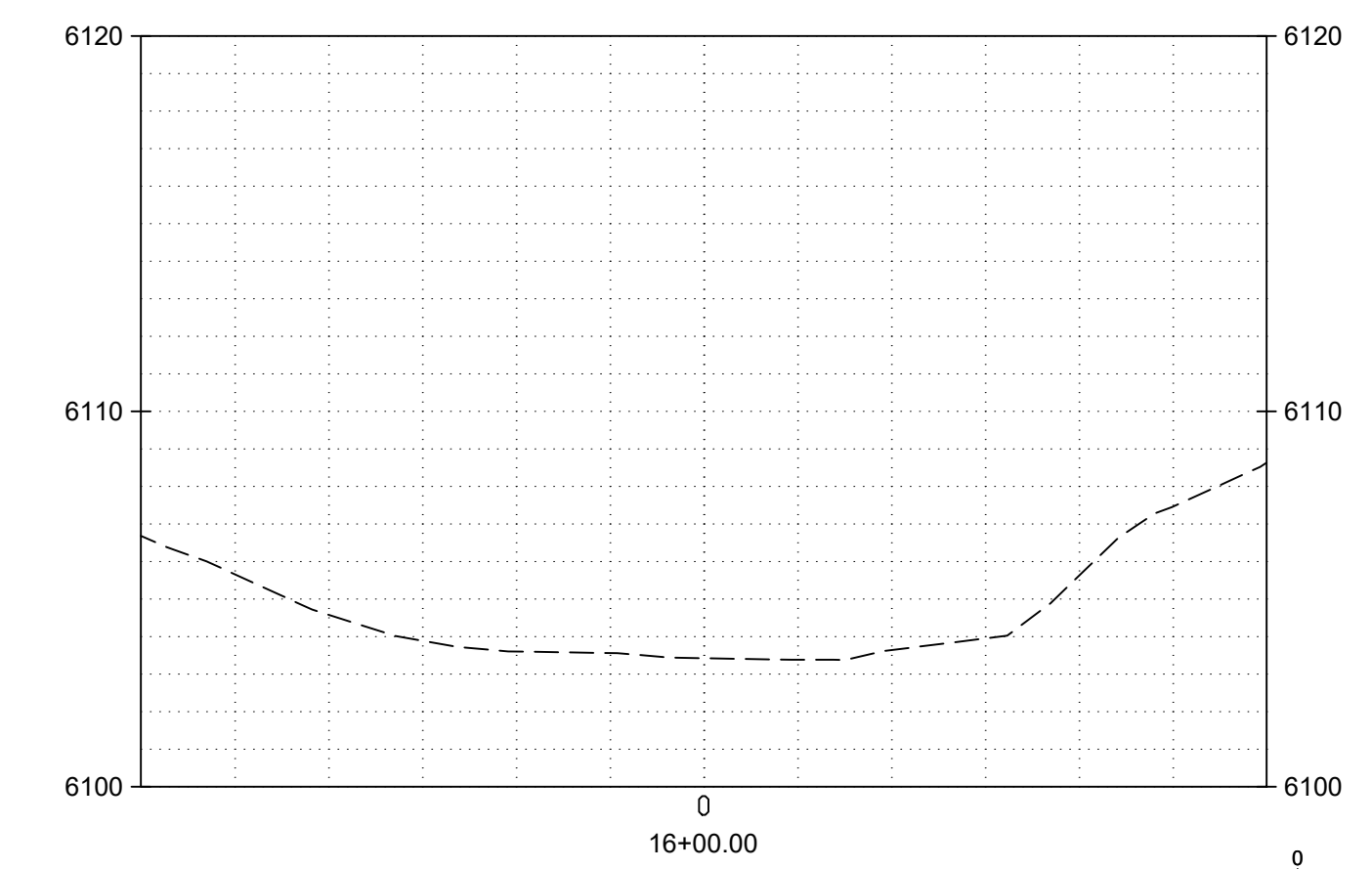
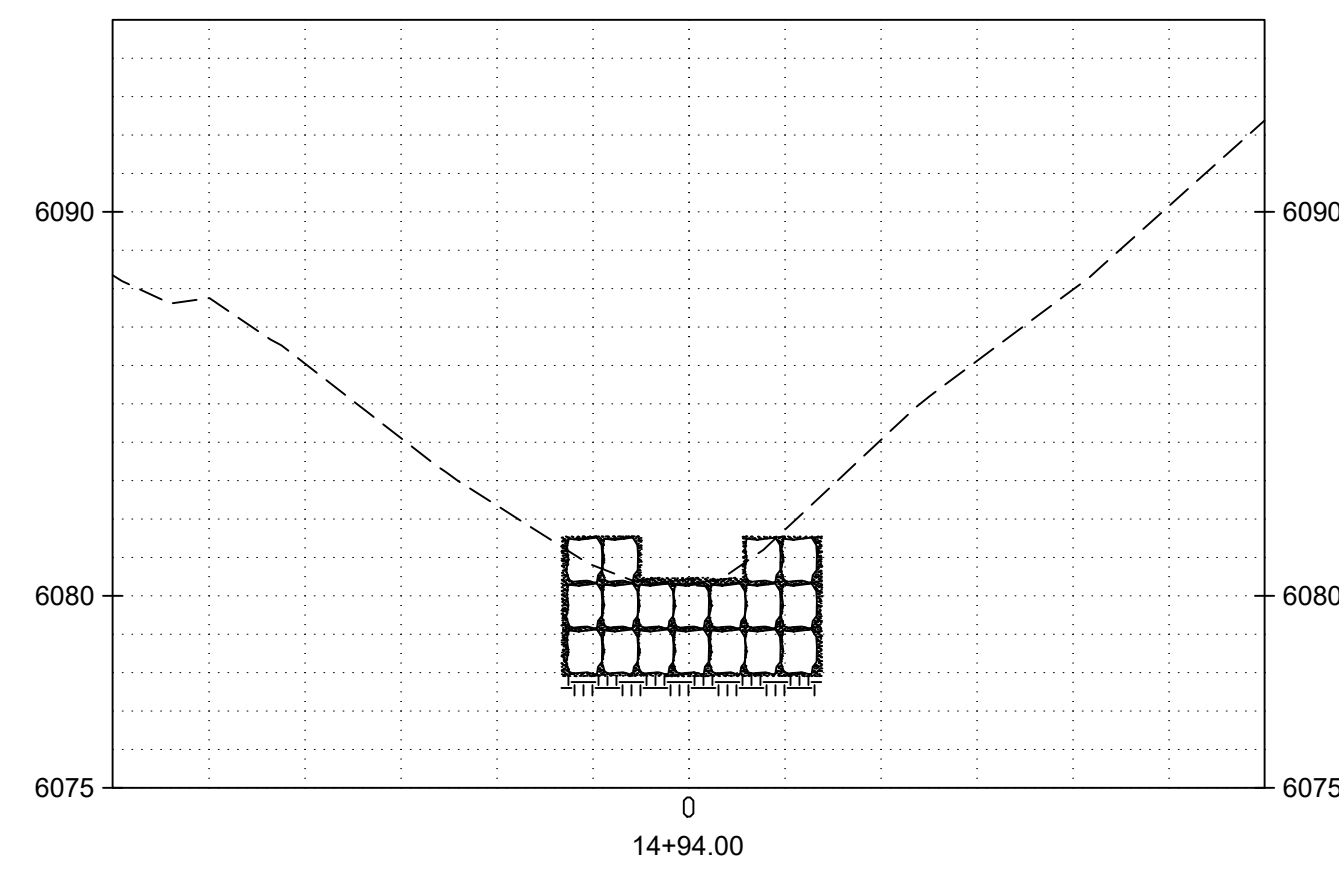
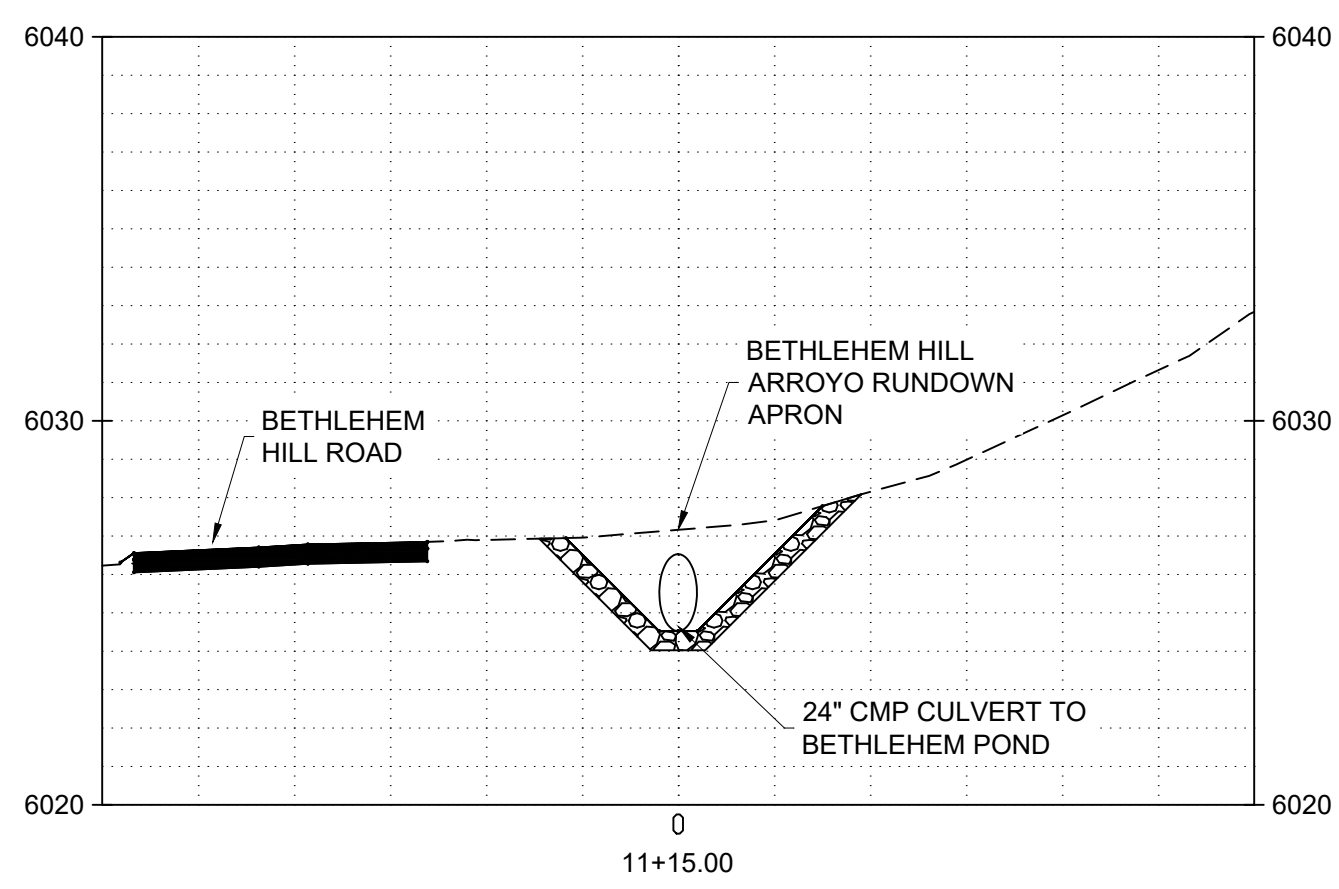
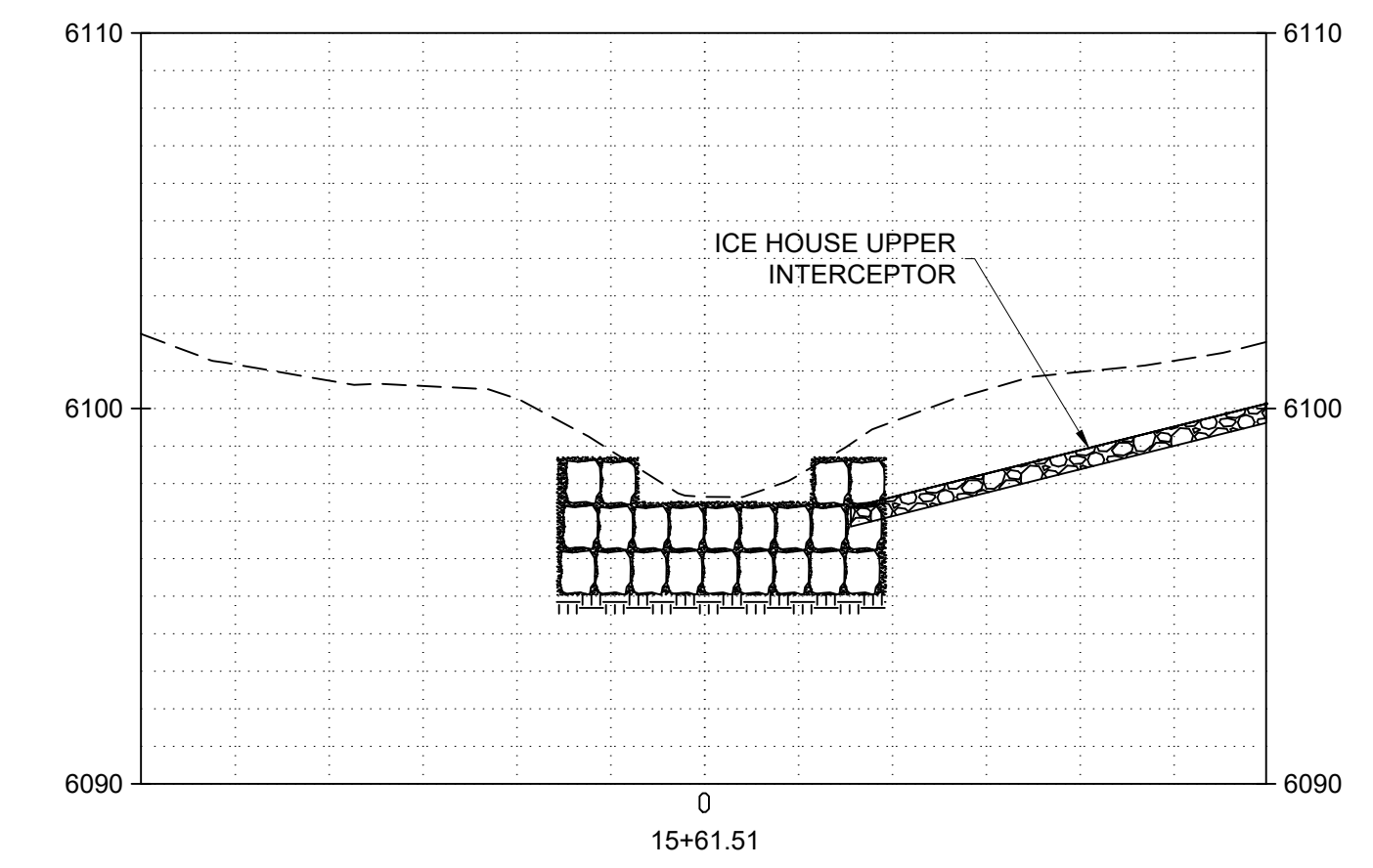
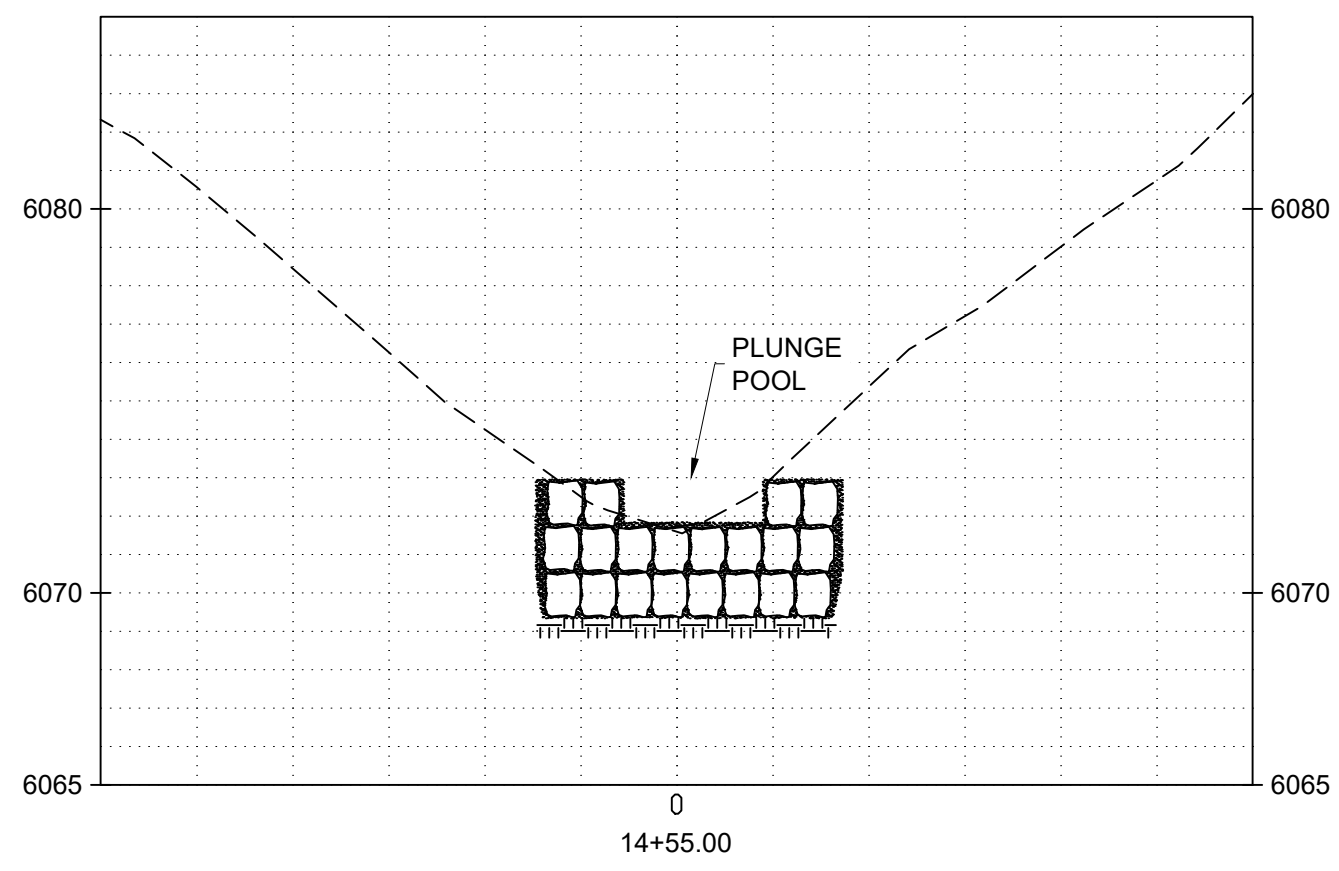
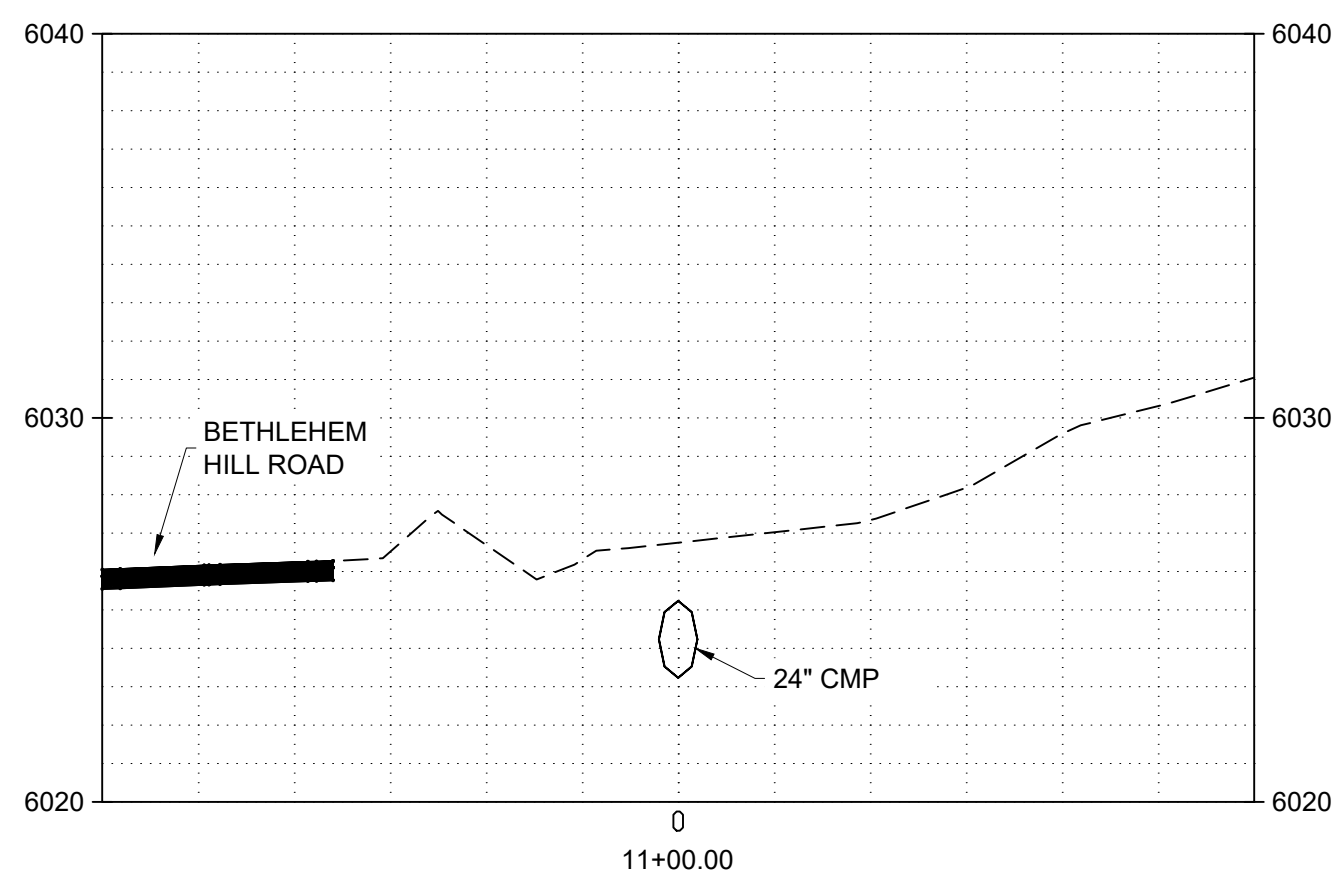
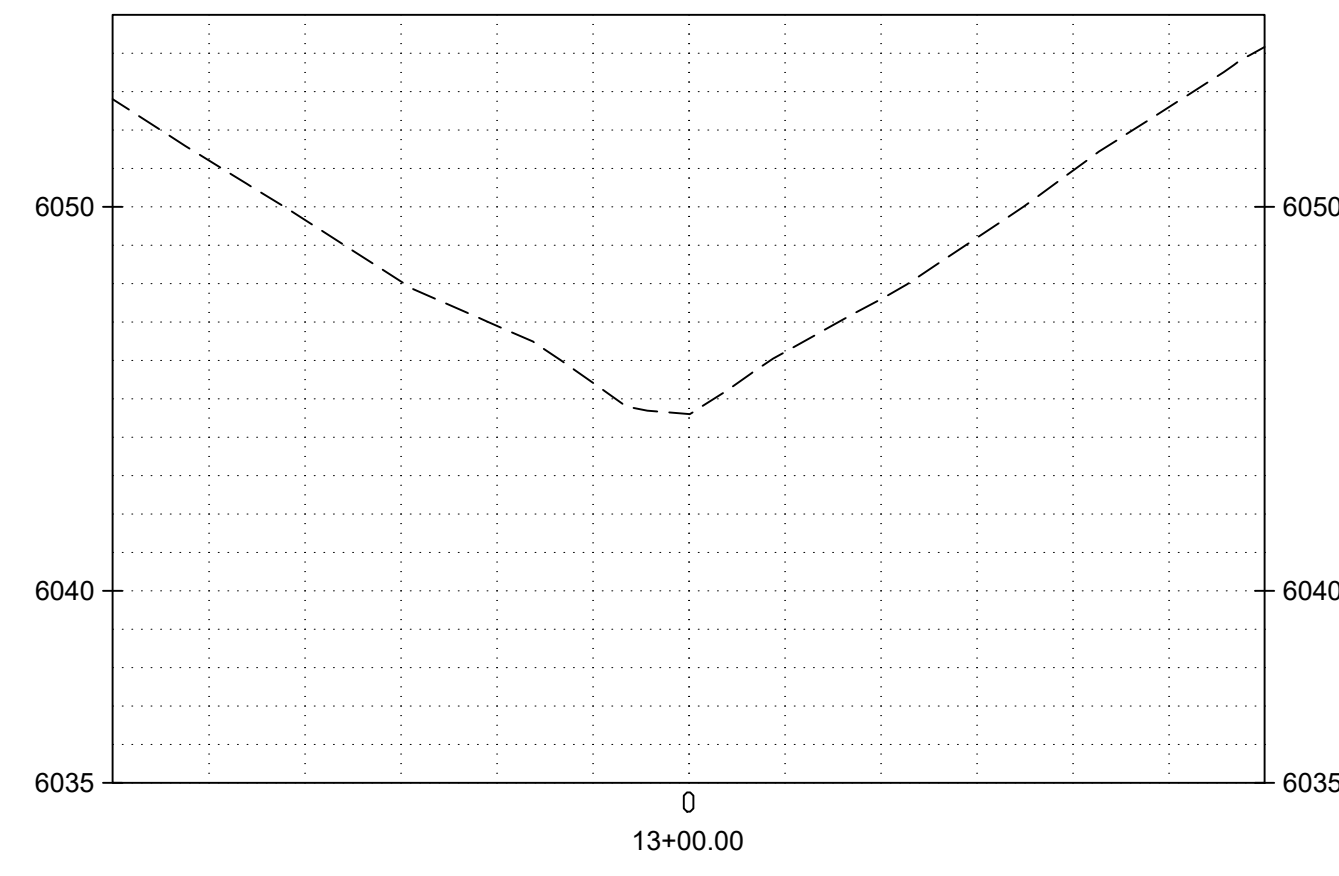
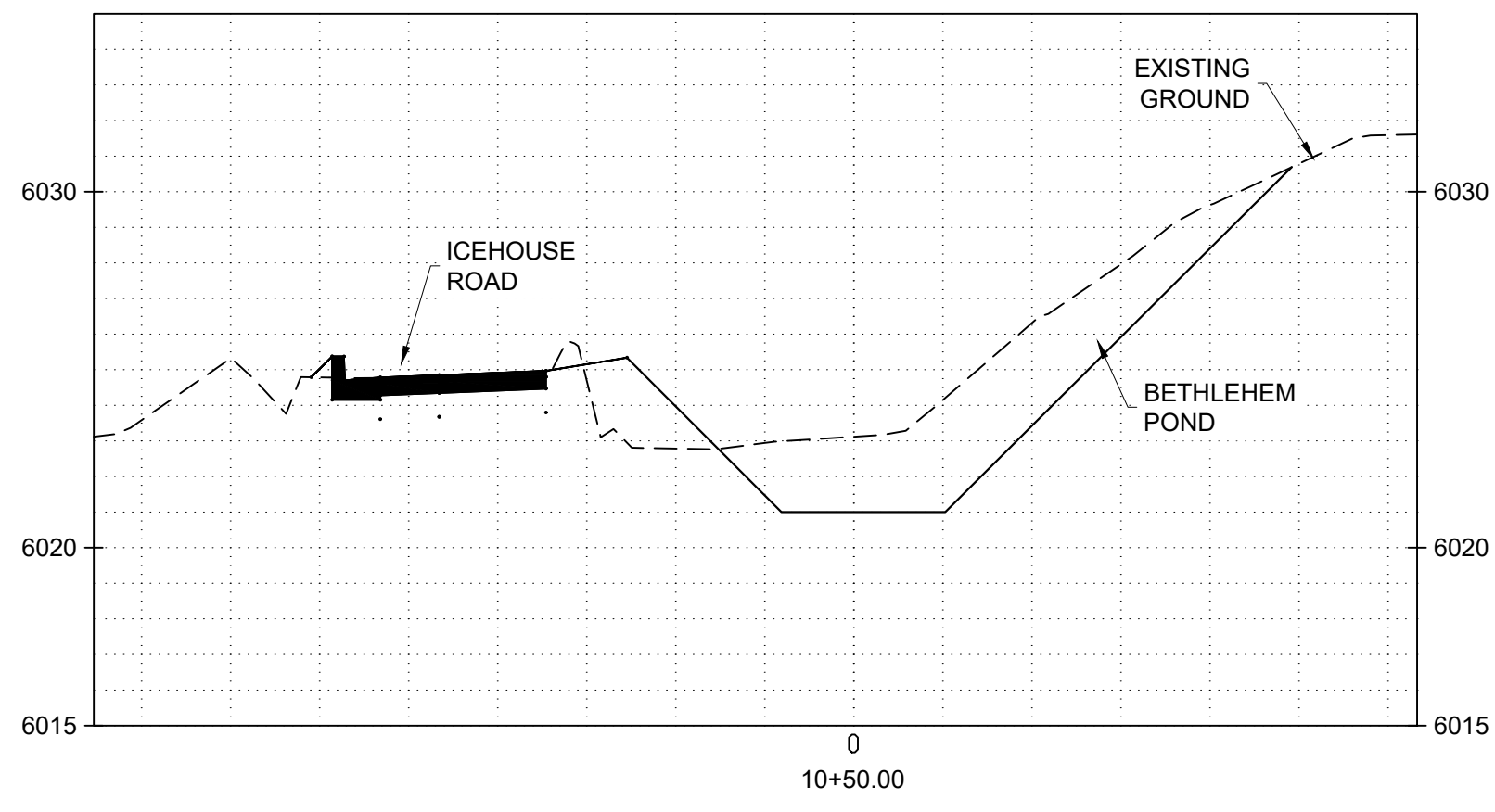
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

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NAH	AUG 24		
DES. ENG.	SLJ		AUG 24
PROJ. ENG.	RGE		AUG 24
PROJ. MGR.	TDB		AUG 24
APPROVED			
APPROVED			

**FIREHOUSE LANE AREA
RED DOG ROAD INTERCEPTOR
PLAN AND PROFILE (2 OF 2)**

DRAWN	RW	DATE	---	DWG. NO.	C016	REV. NO.	A
SCALE		W.O. NO.					
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VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

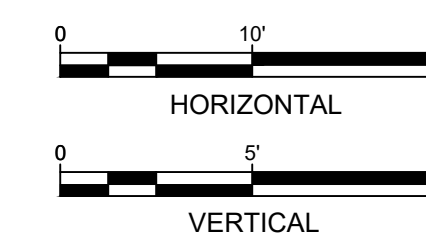
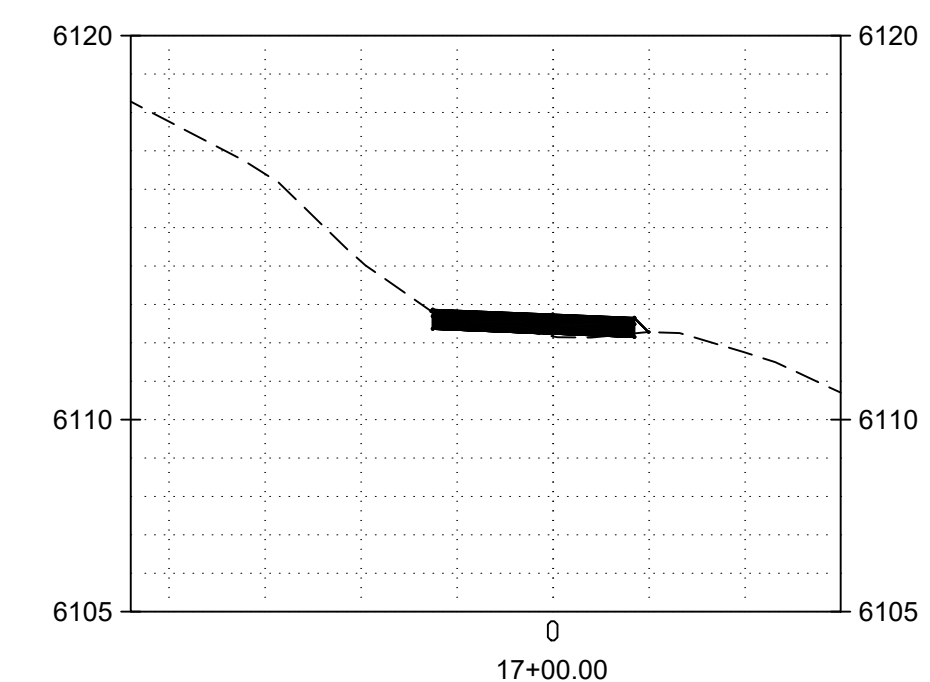
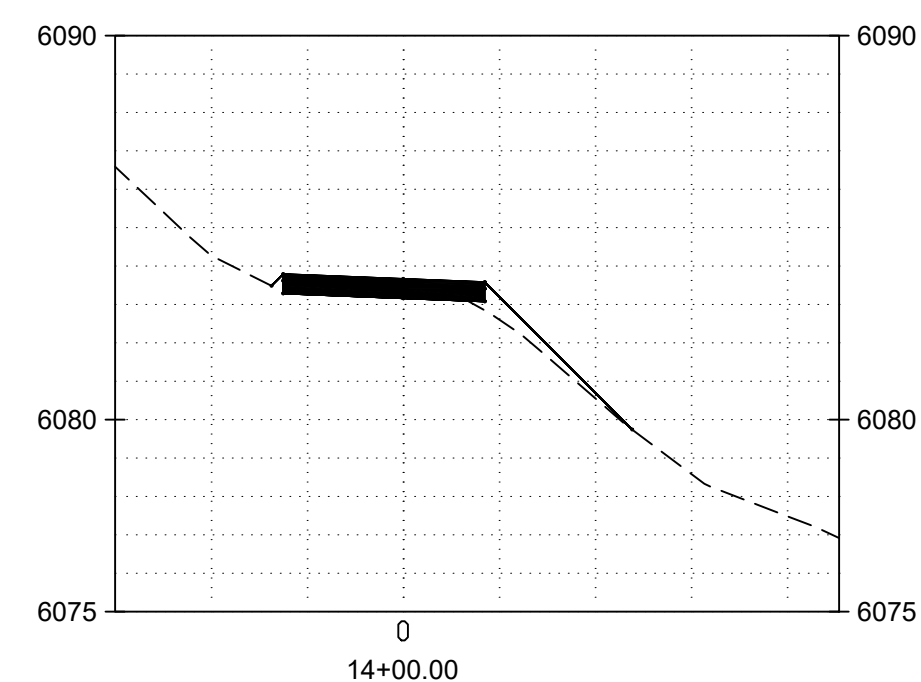
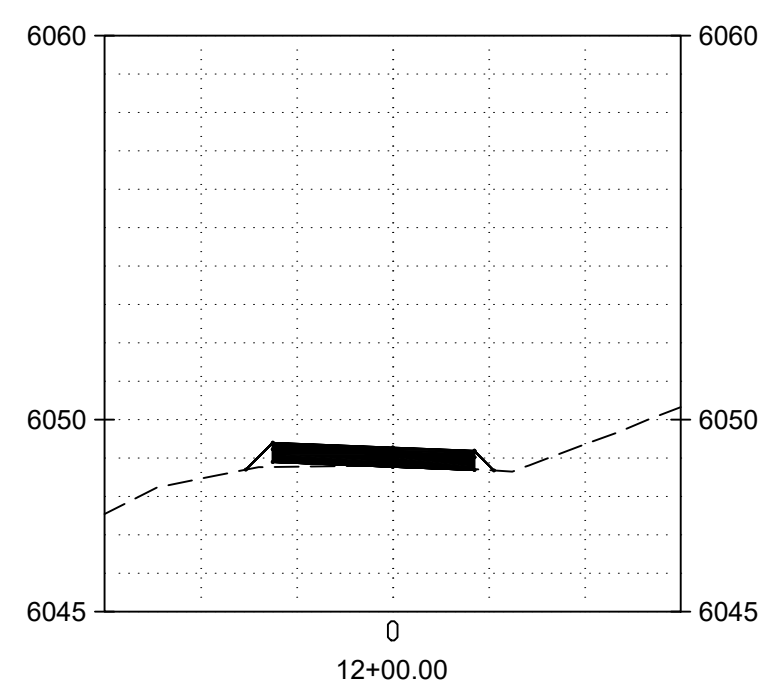
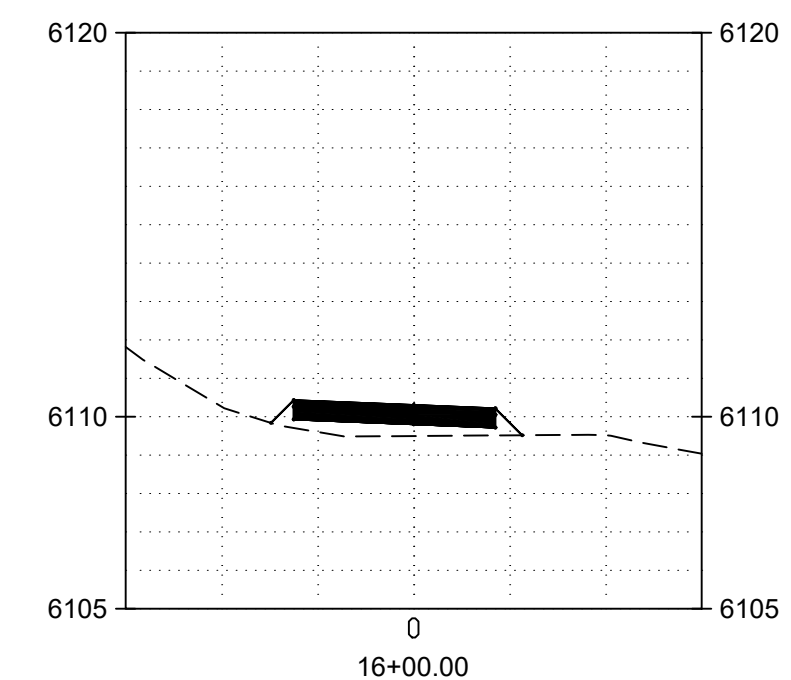
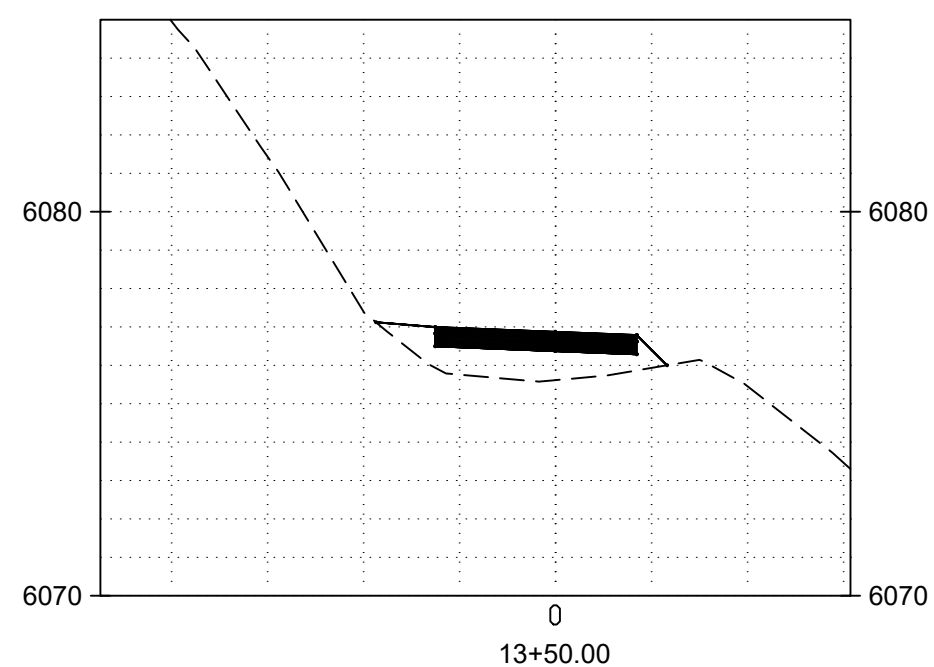
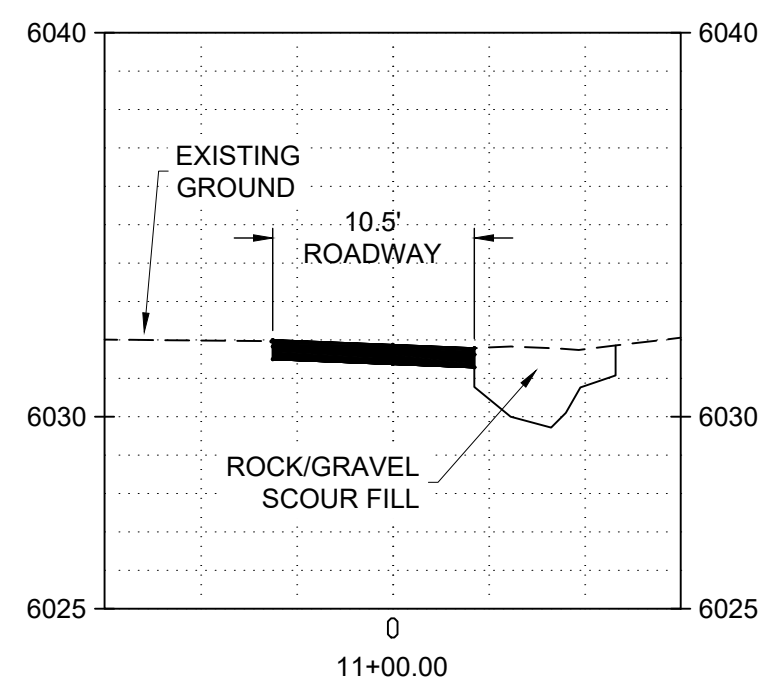
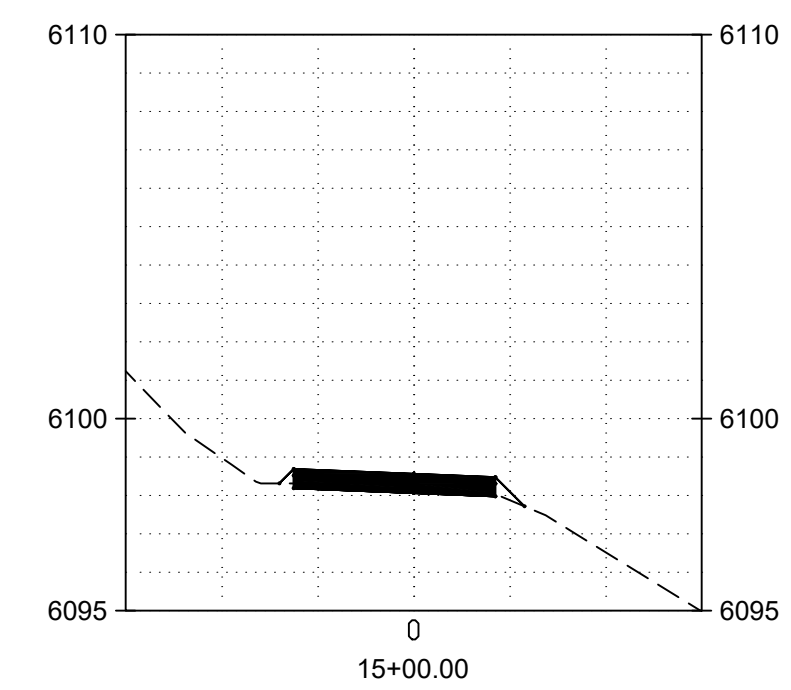
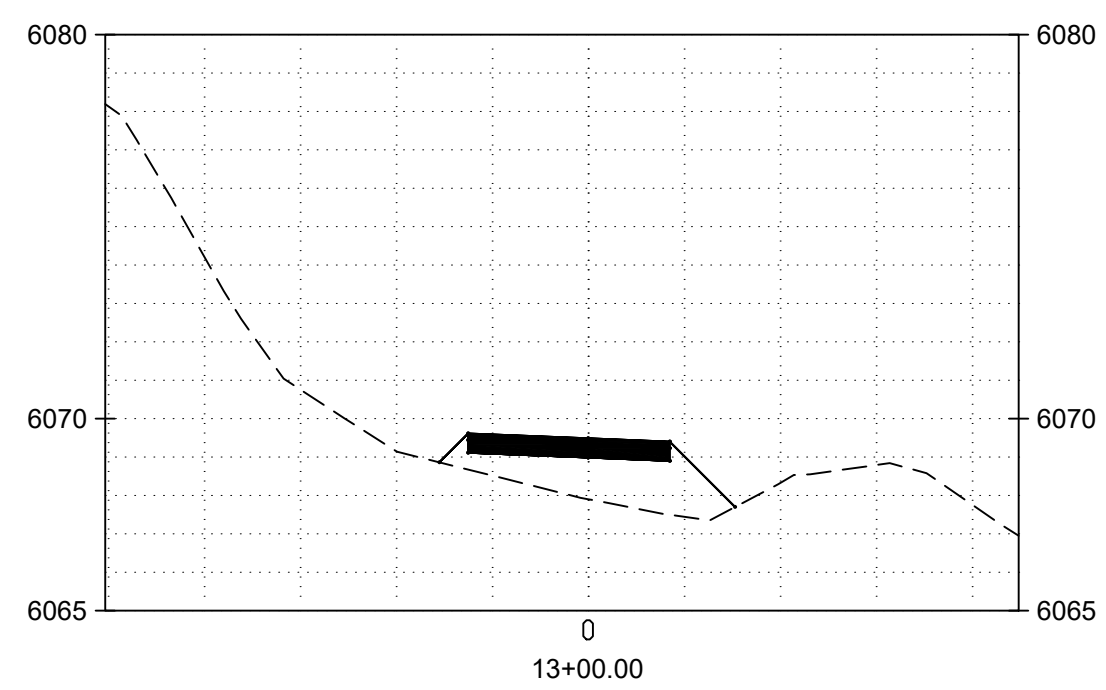
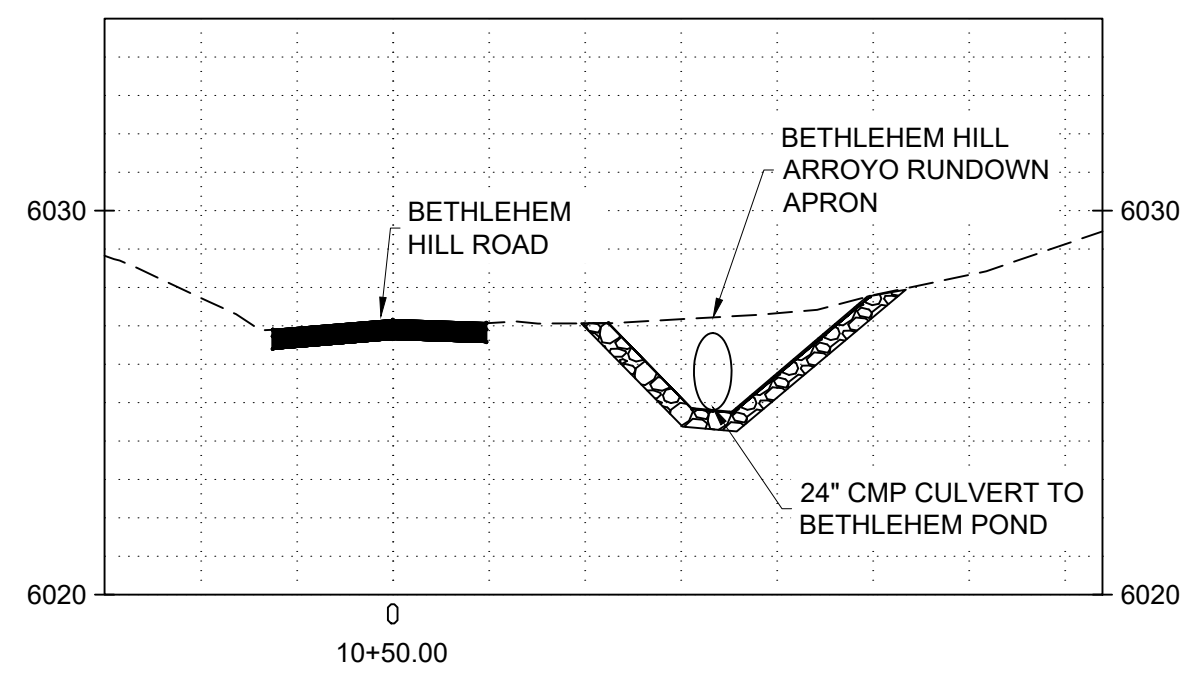
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DES. ENG.	SLJ	DATE	AUG 24		
PROJ. ENG.	RGE	DATE	AUG 24		
PROJ. MGR.	TDB	DATE	AUG 24		
APPROVED					
APPROVED					

ICE HOUSE ROAD
BETHLEHEM HILL ARROYO
CROSS SECTIONS

DRAWN	RW	DATE	---	DWG. NO.	C101	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	35	OF	76



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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

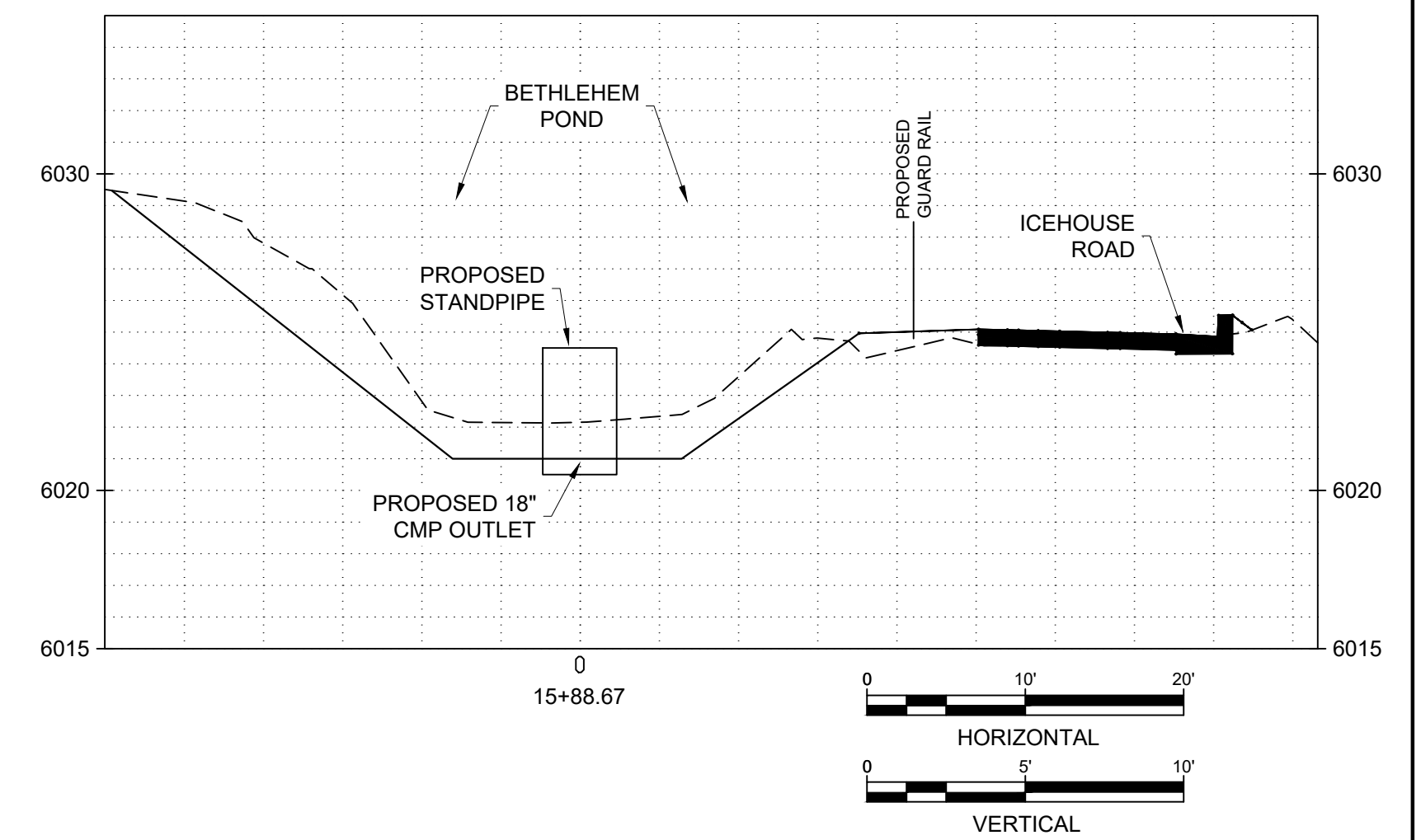
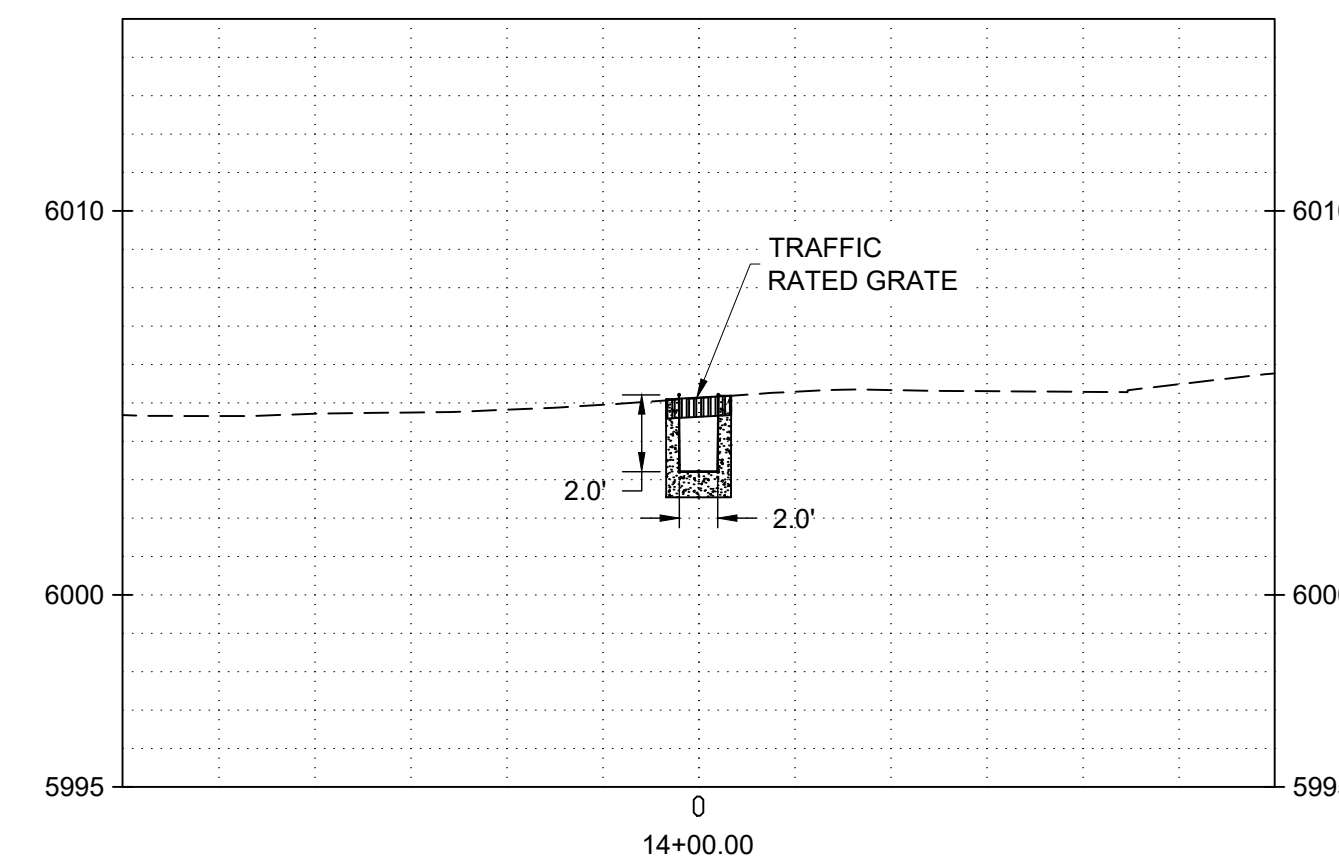
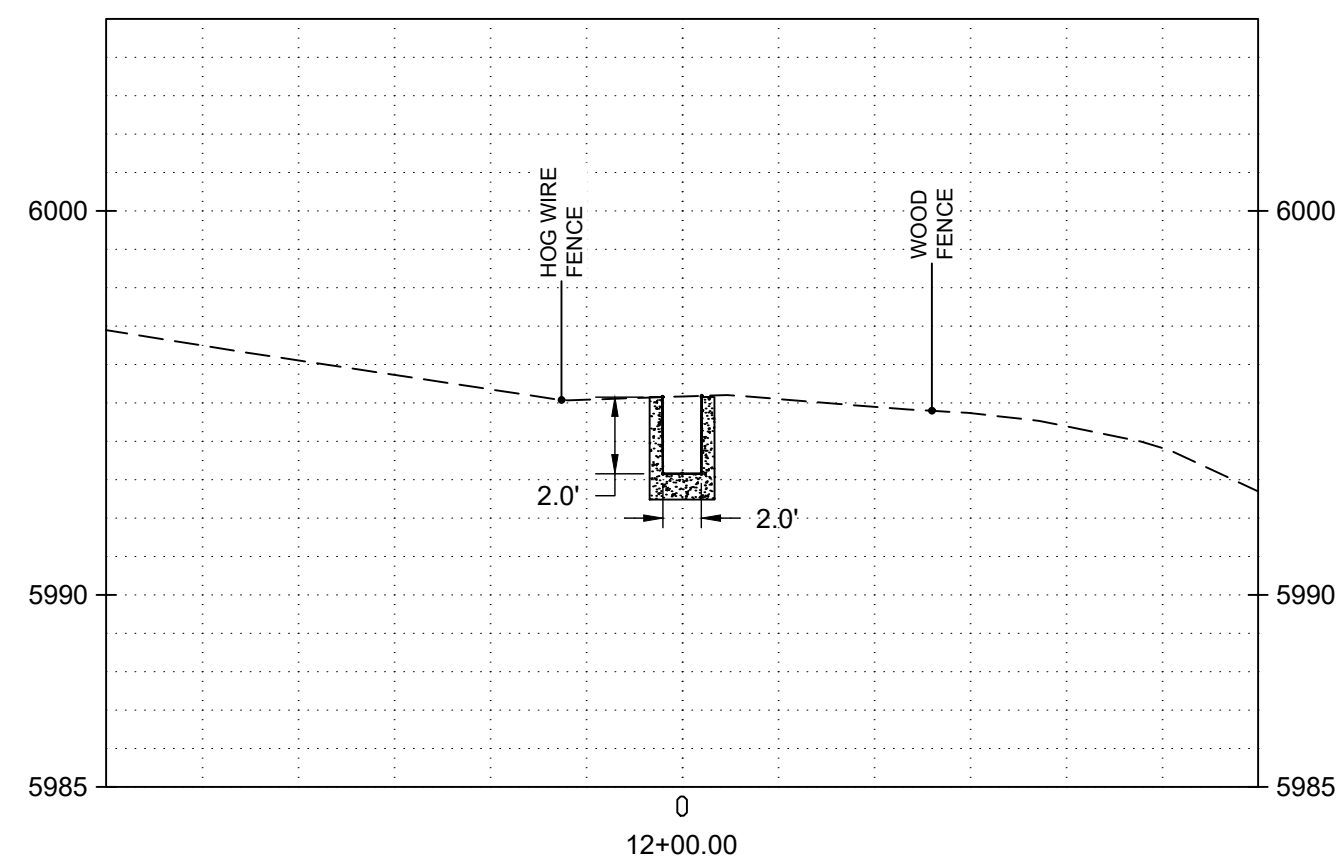
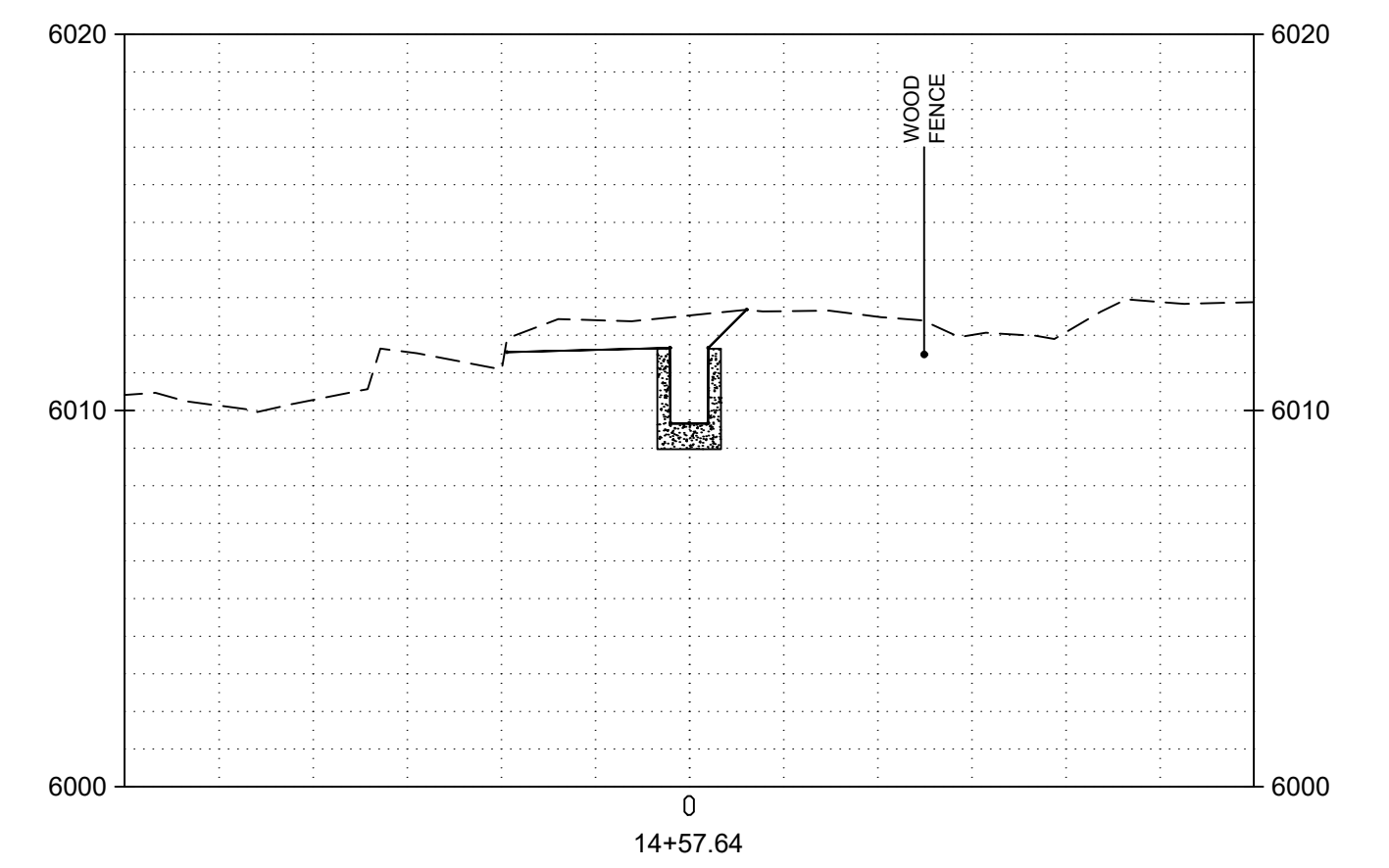
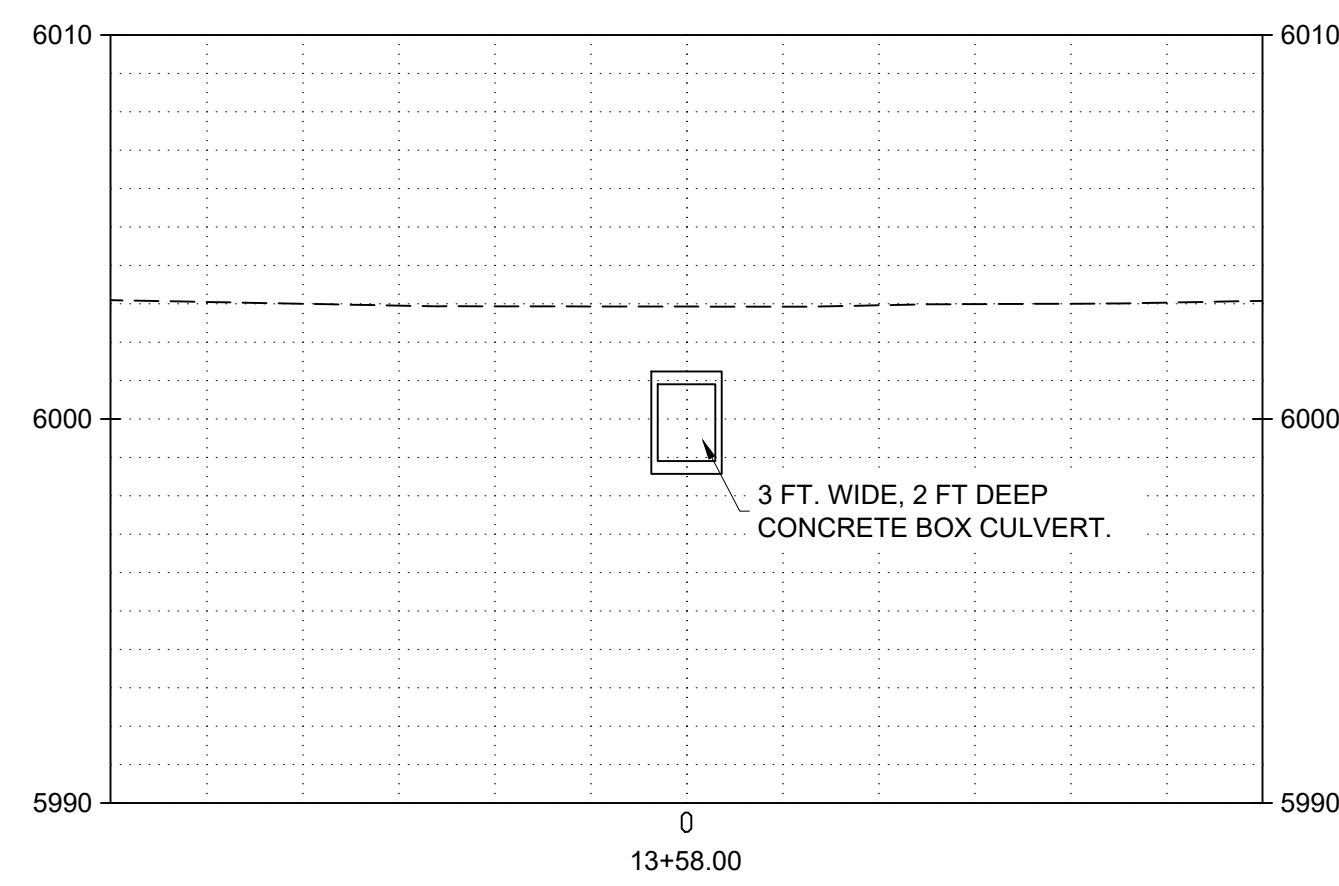
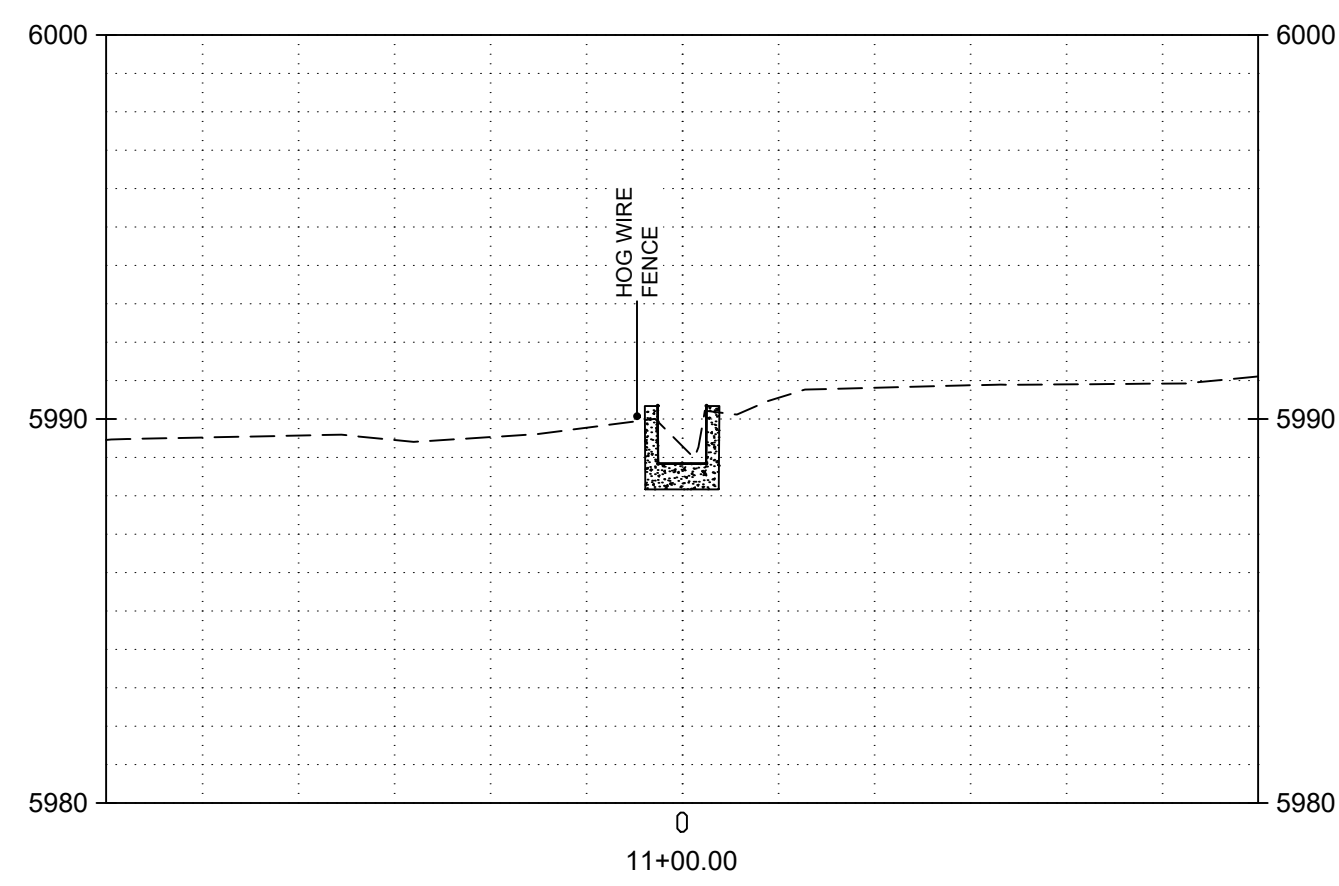
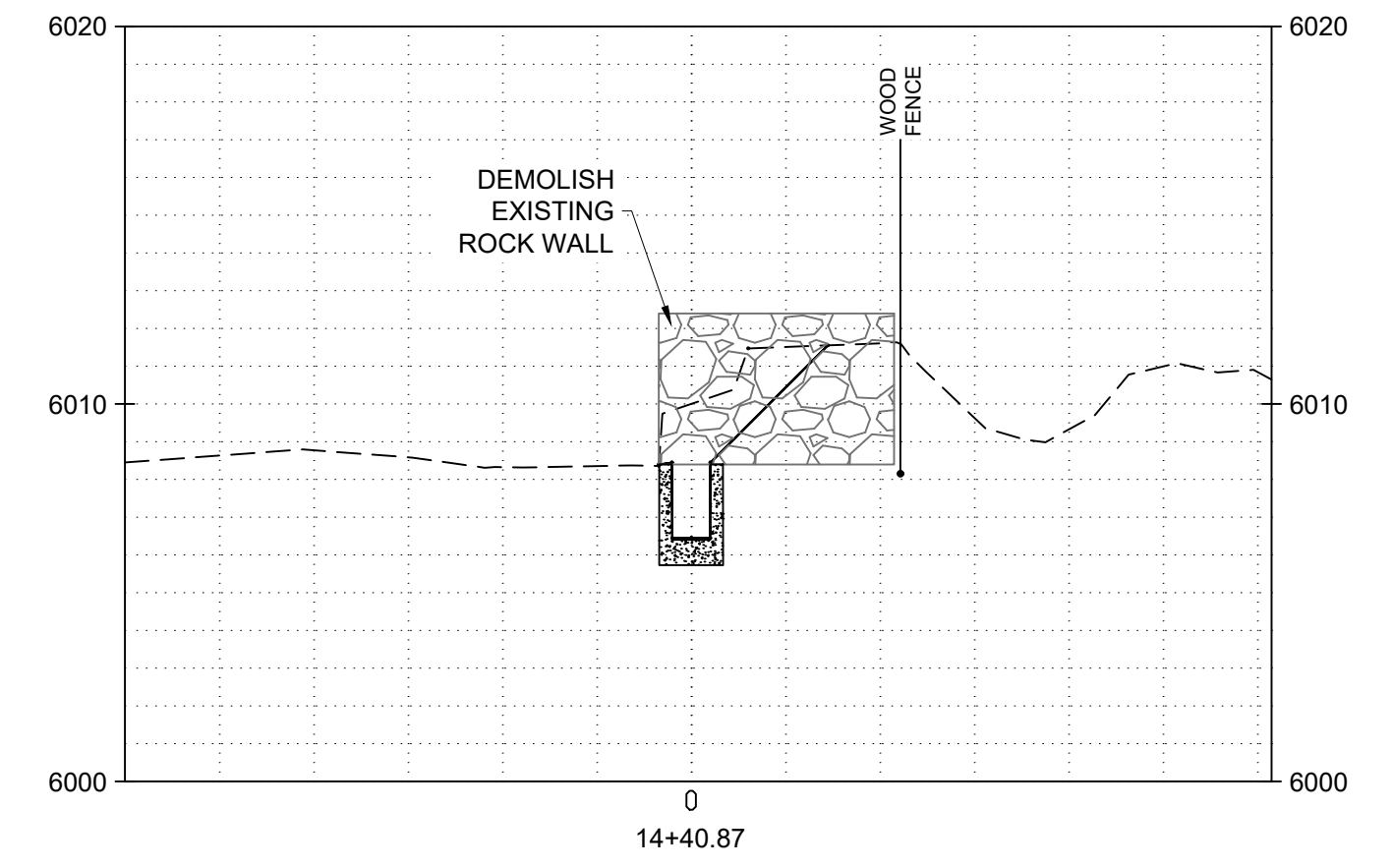
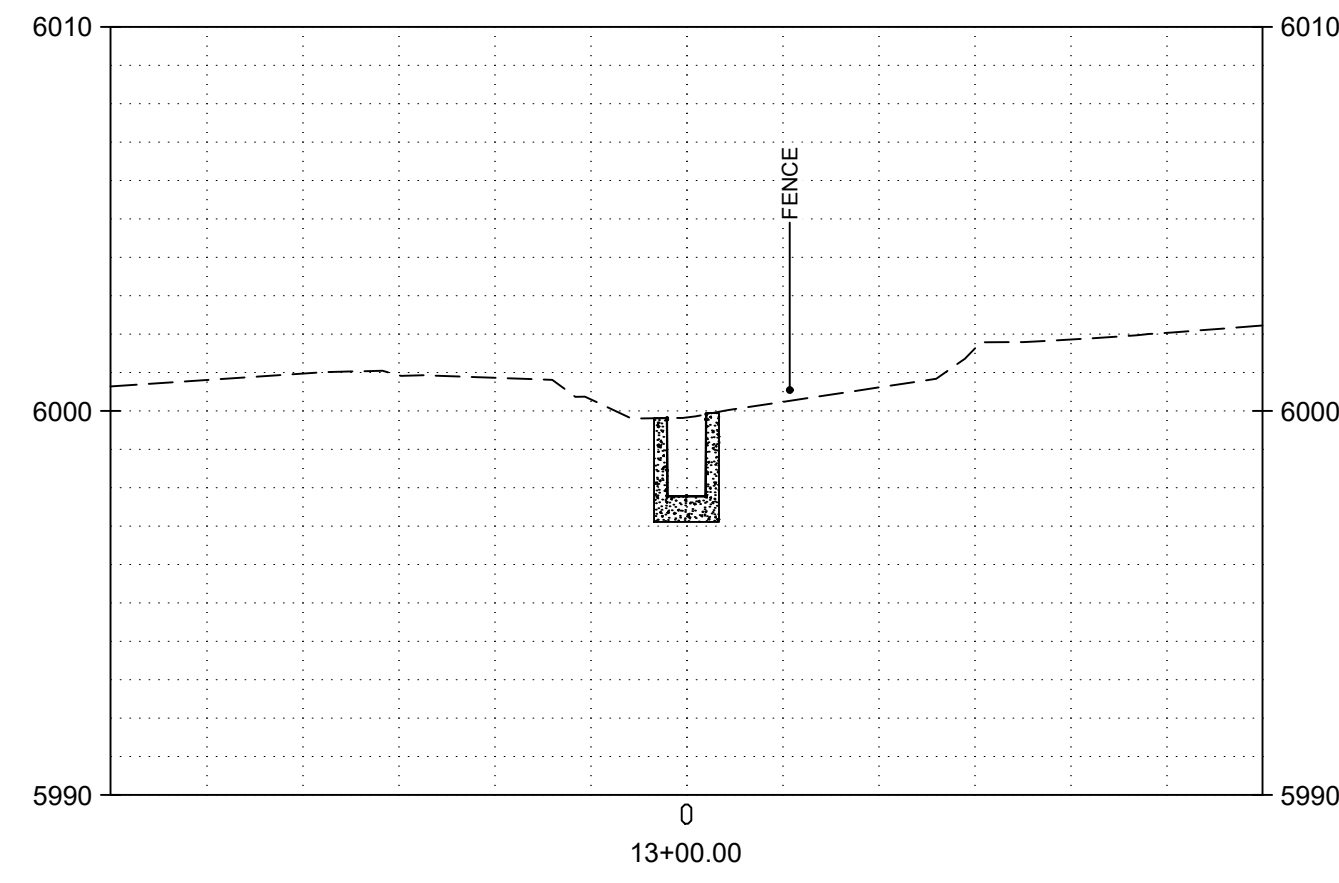
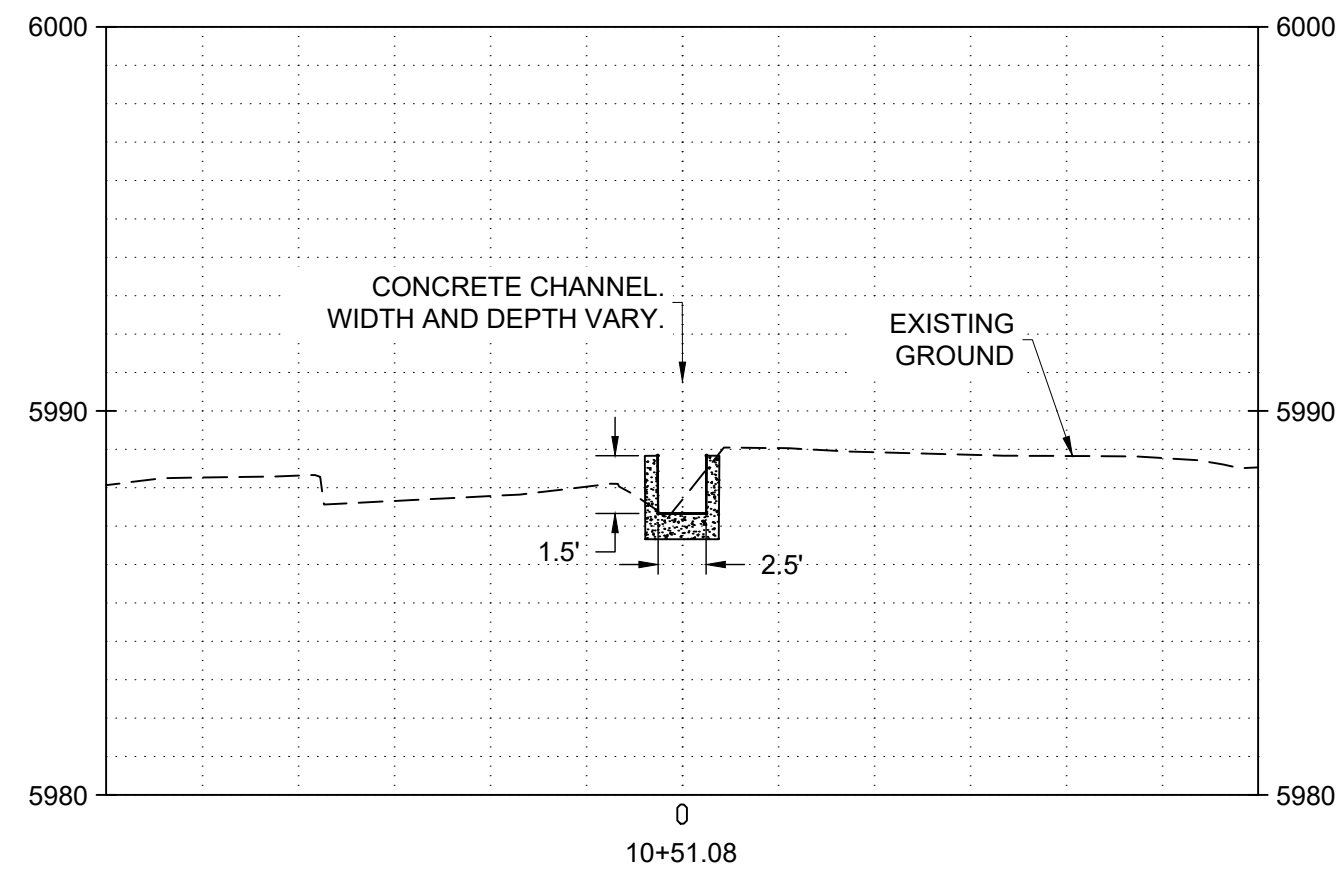
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DES. ENG.	SLJ	DATE	AUG 24		
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PROJ. MGR.	TDB	DATE	AUG 24		
APPROVED					
APPROVED					

**ICE HOUSE ROAD
BETHLEHEM HILL ROAD
CROSS SECTIONS**

DRAWN	RW	DATE	---	DWG. NO.	C102	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	36	OF	76



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION

**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

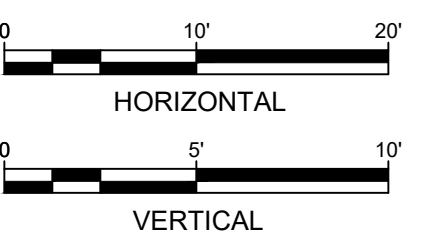
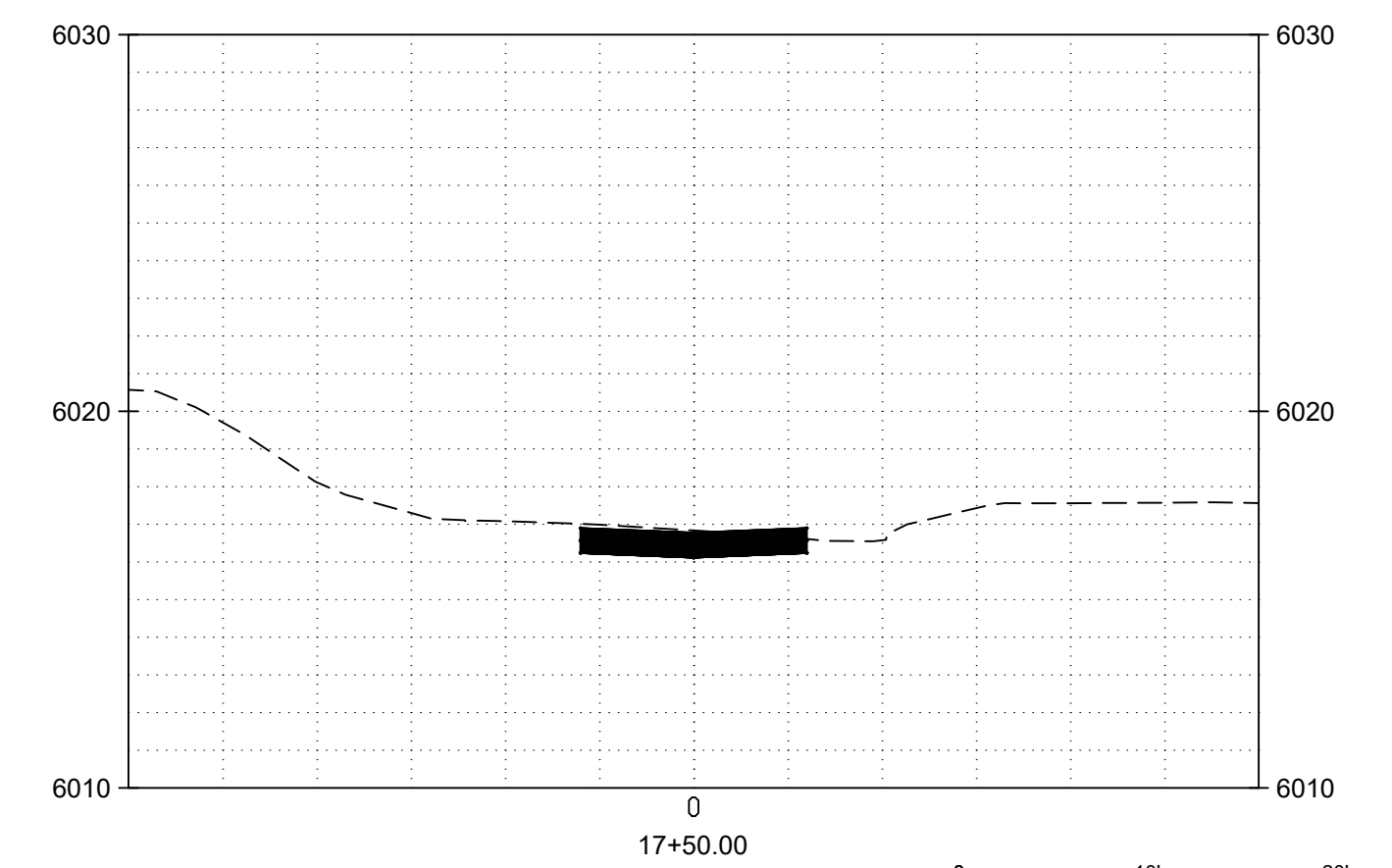
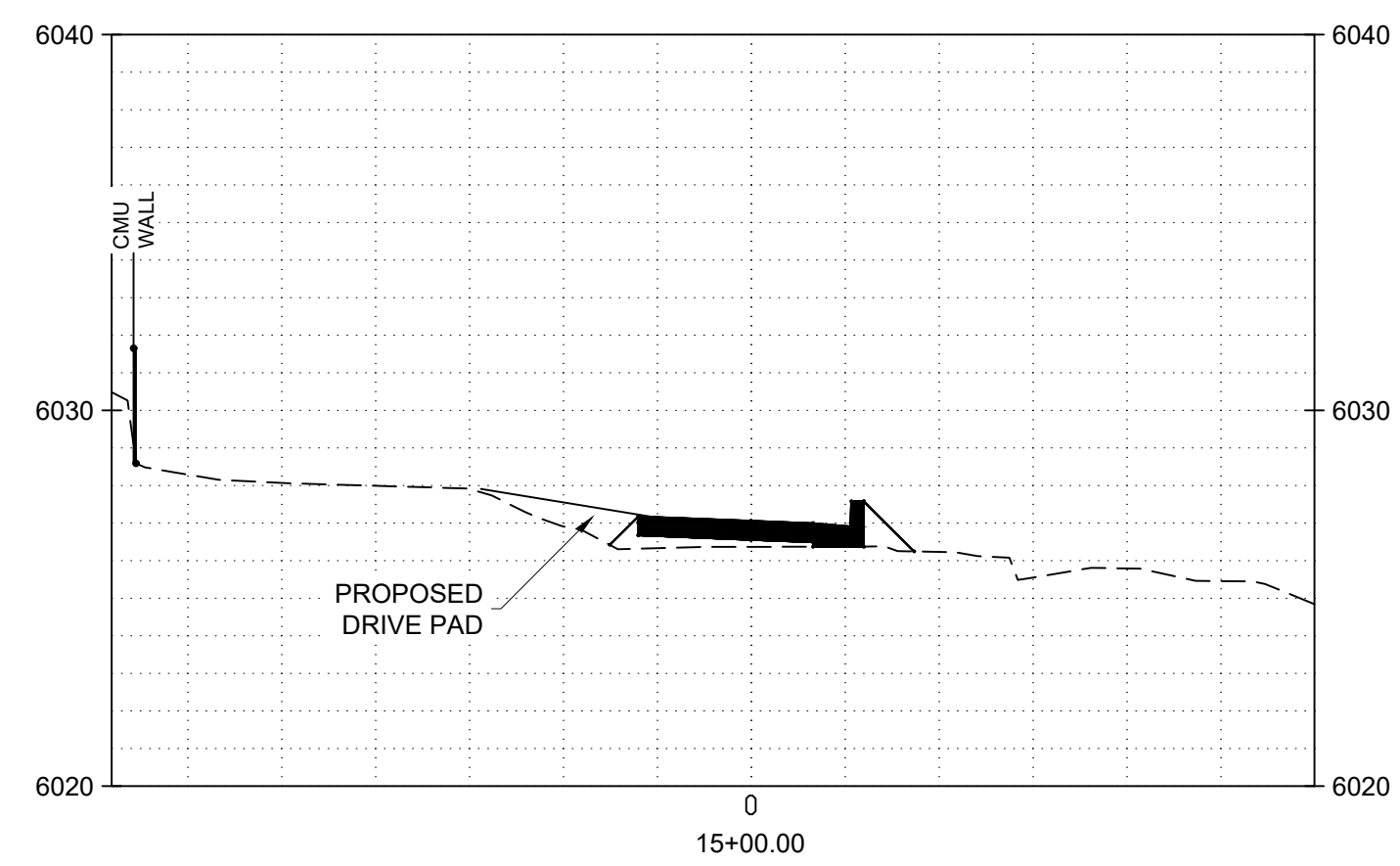
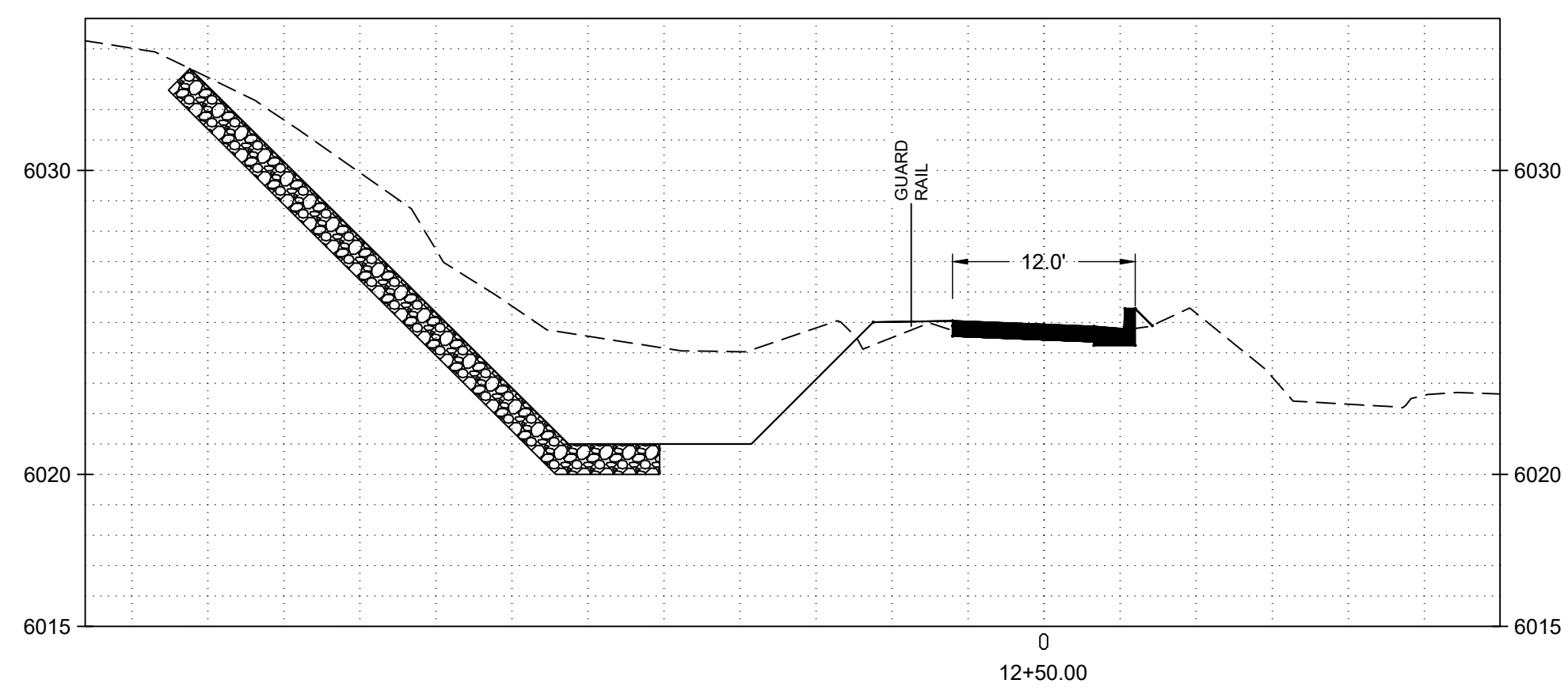
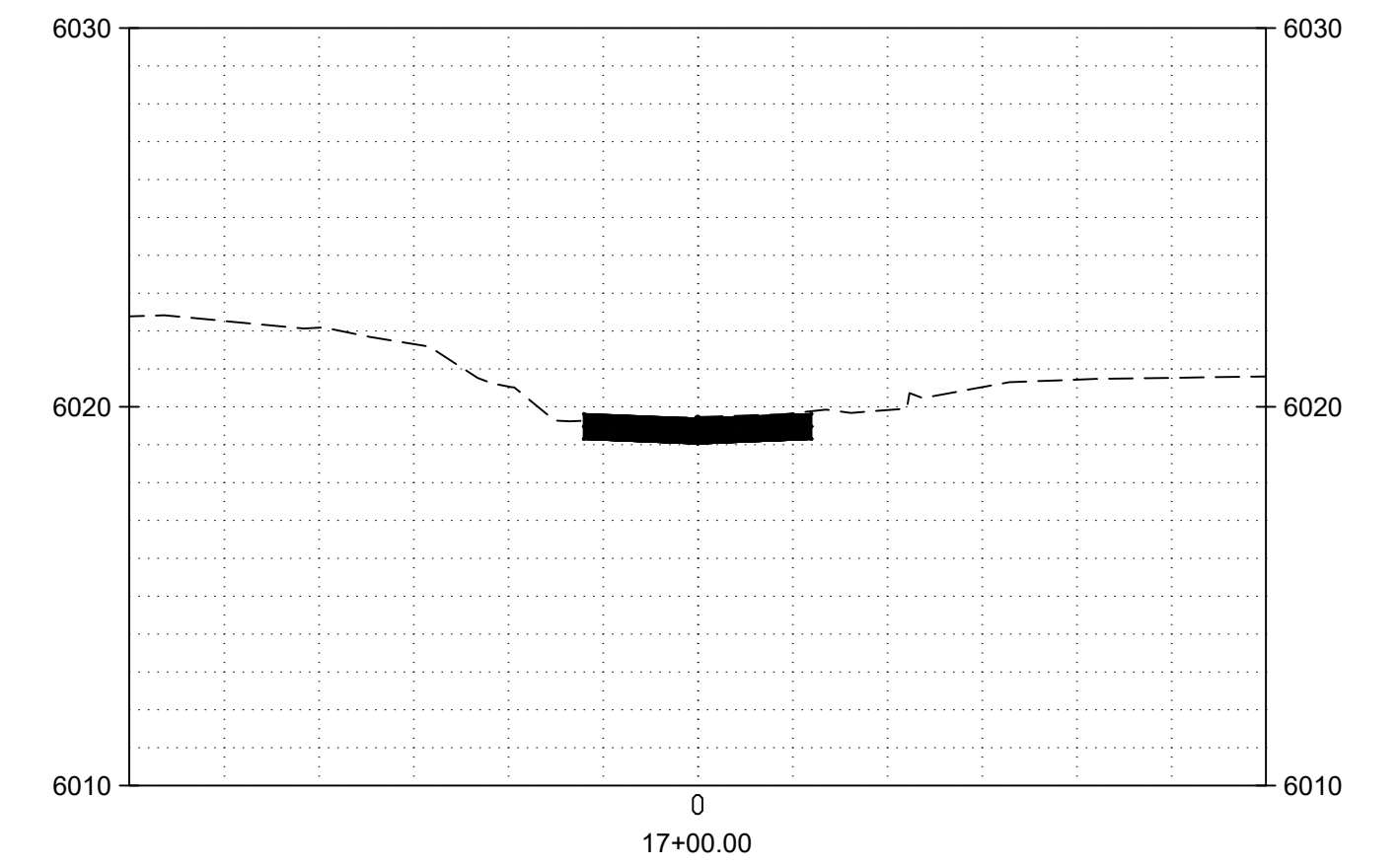
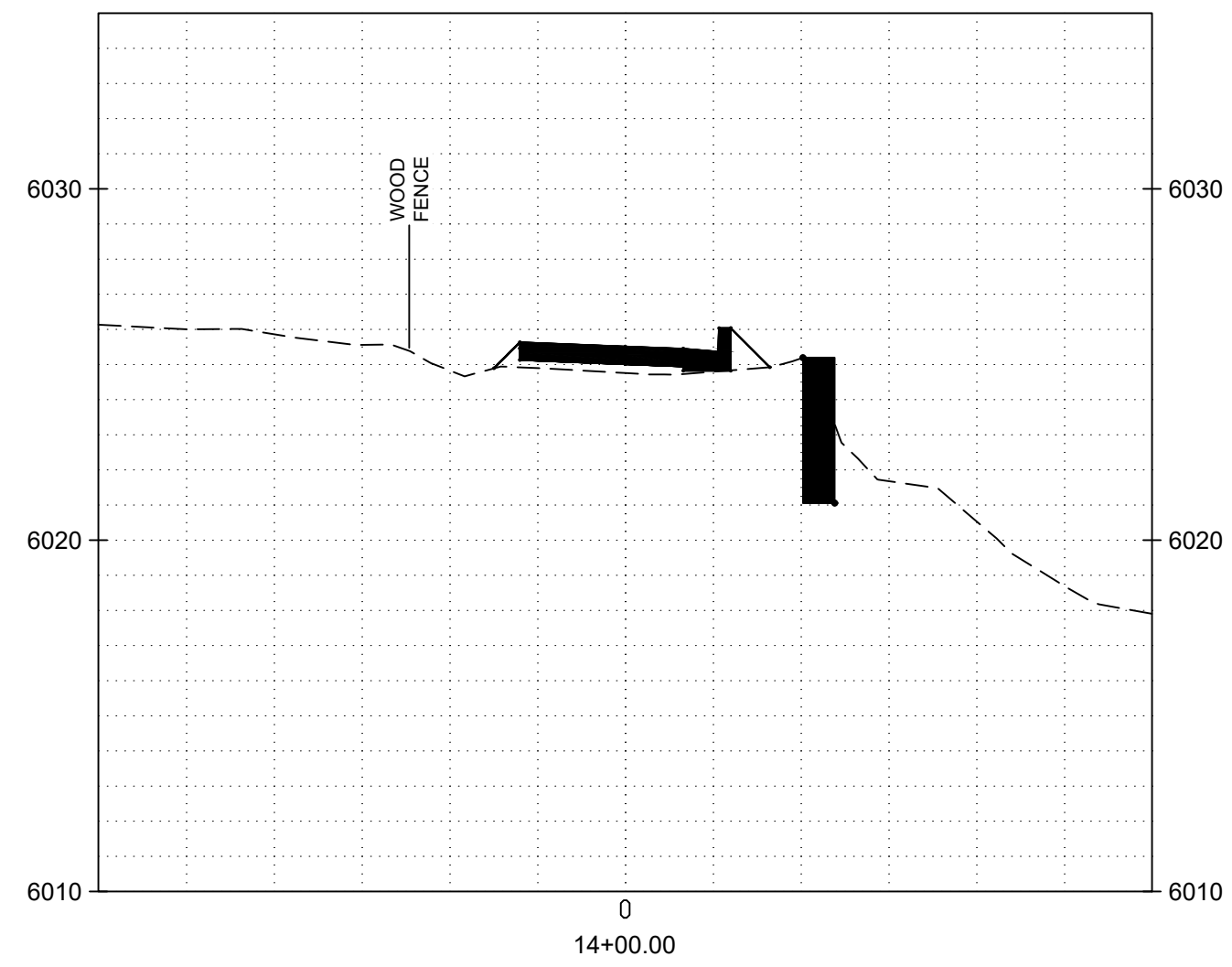
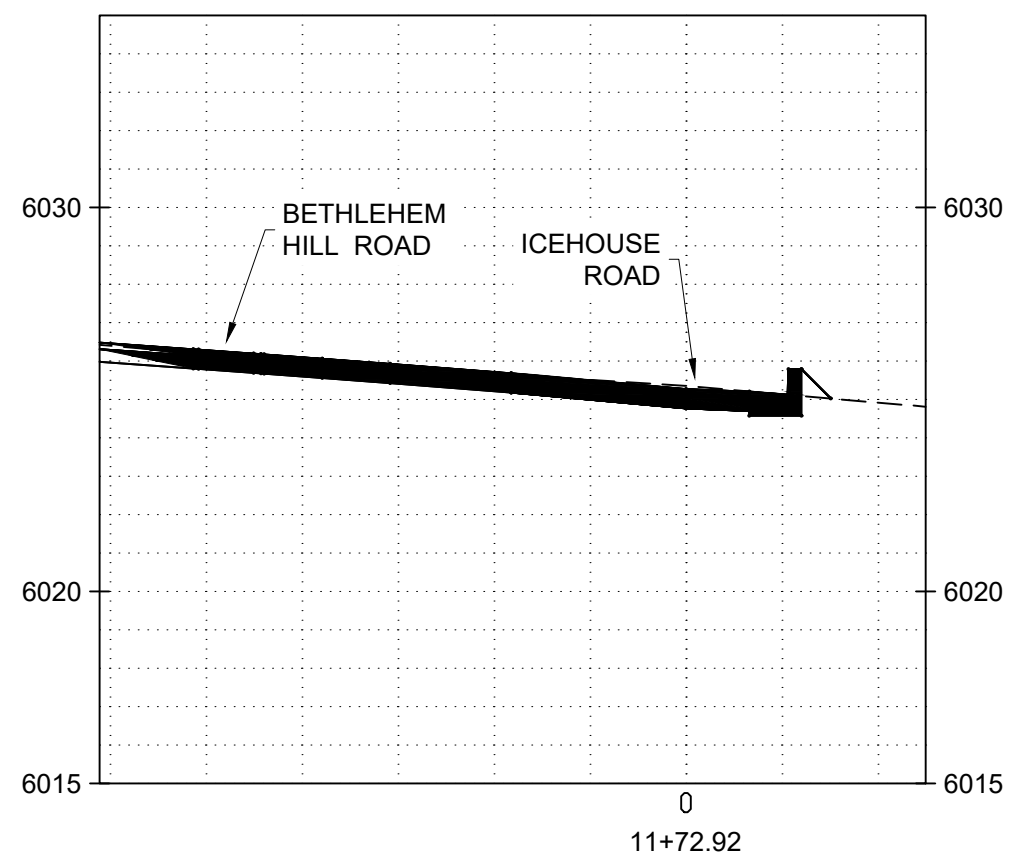
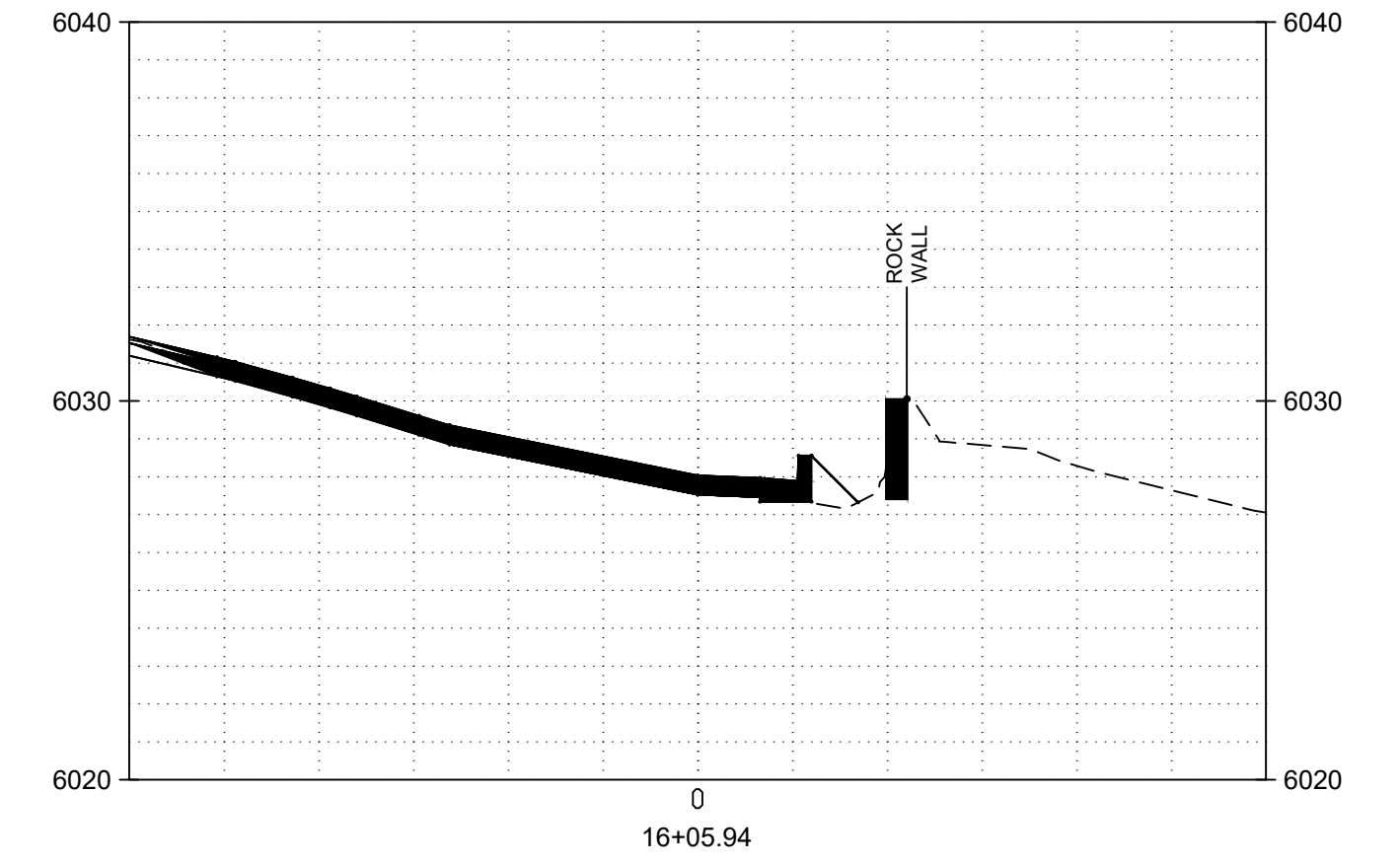
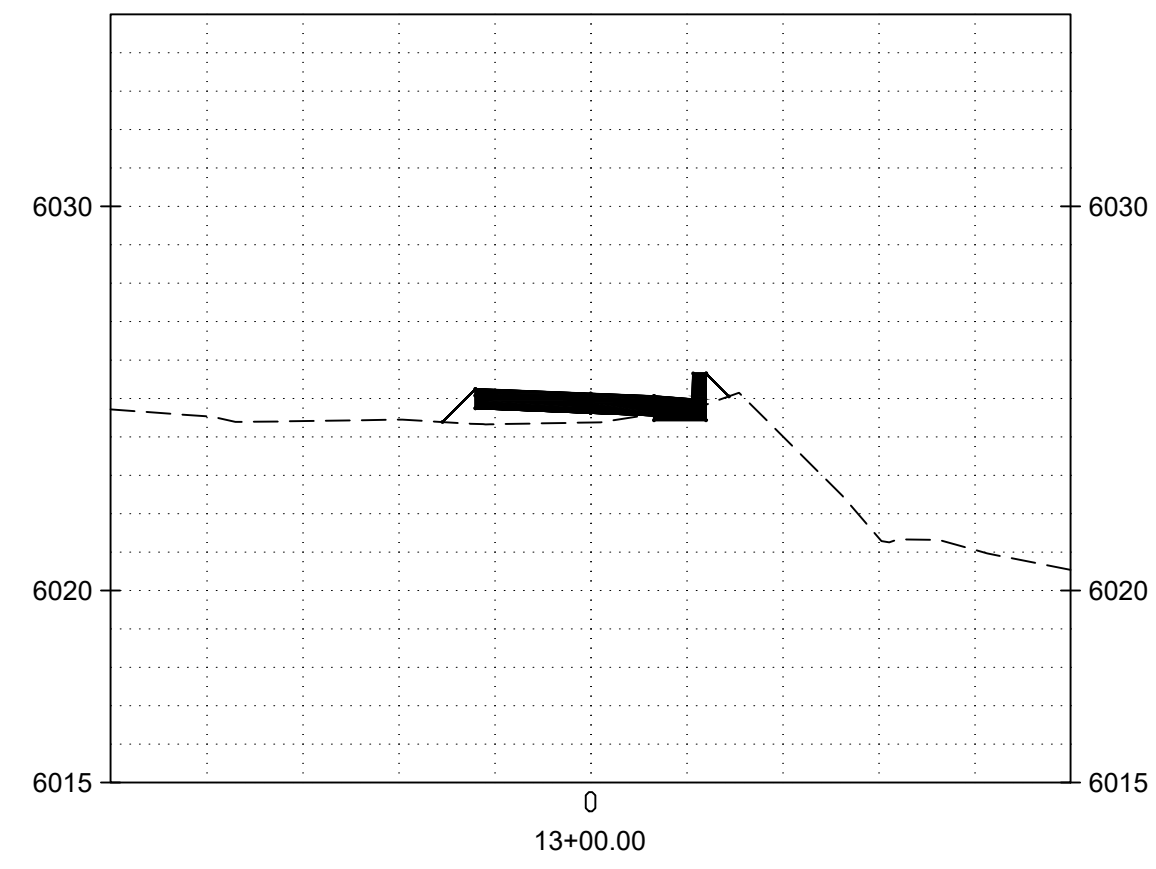
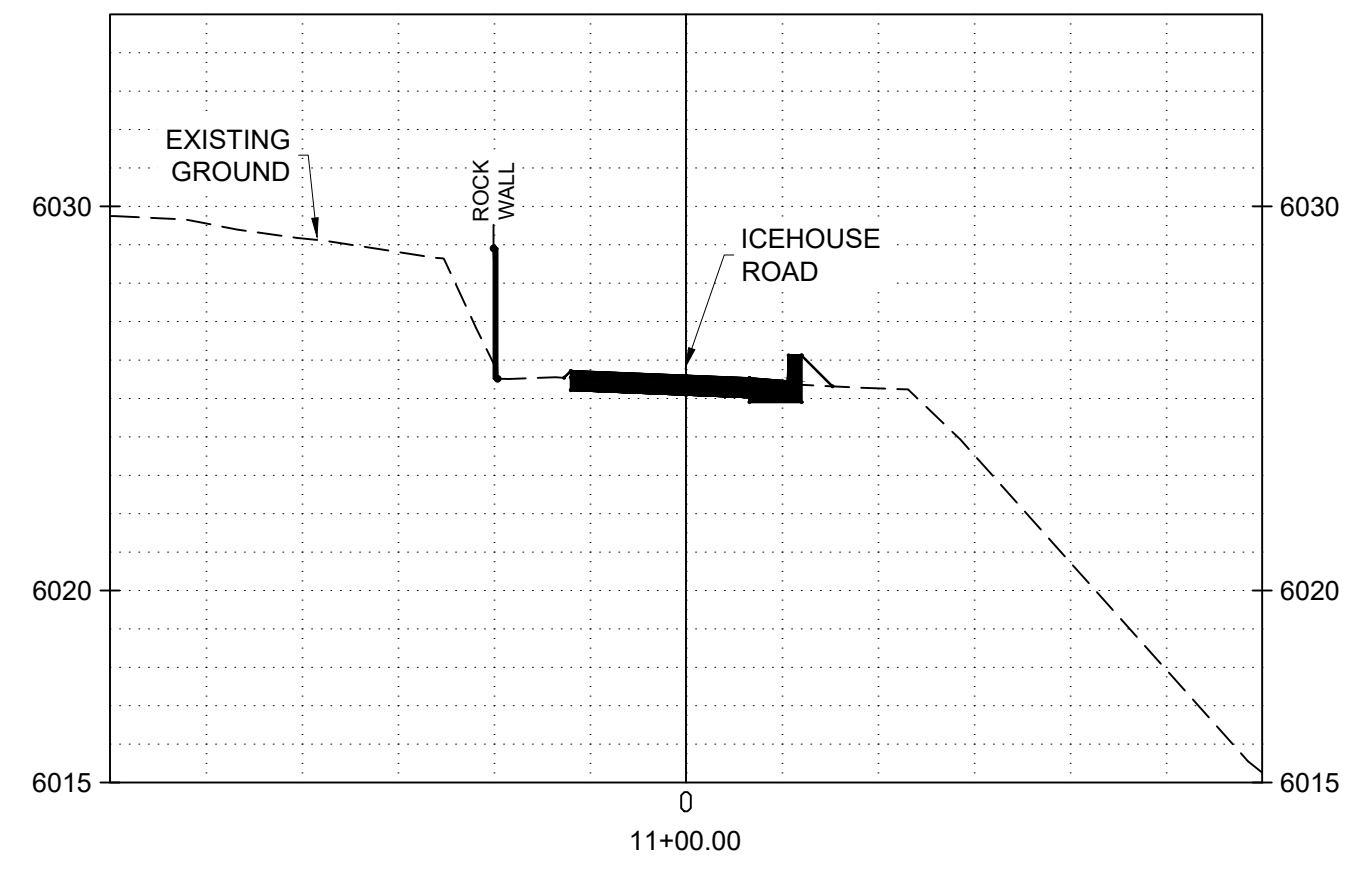
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DES. ENG.	SLJ	DATE	AUG 24		
PROJ. ENG.	RGE	DATE	AUG 24		
PROJ. MGR.	TDB	DATE	AUG 24		
APPROVED					
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**ICE HOUSE ROAD
ICE HOUSE CHANNEL
CROSS SECTIONS**

DRAWN	RW	DATE	---	DWG. NO.	C103	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	37	OF	76



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**VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT**

MADRID NEW MEXICO

WESTON SOLUTIONS

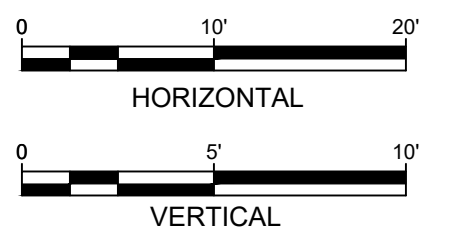
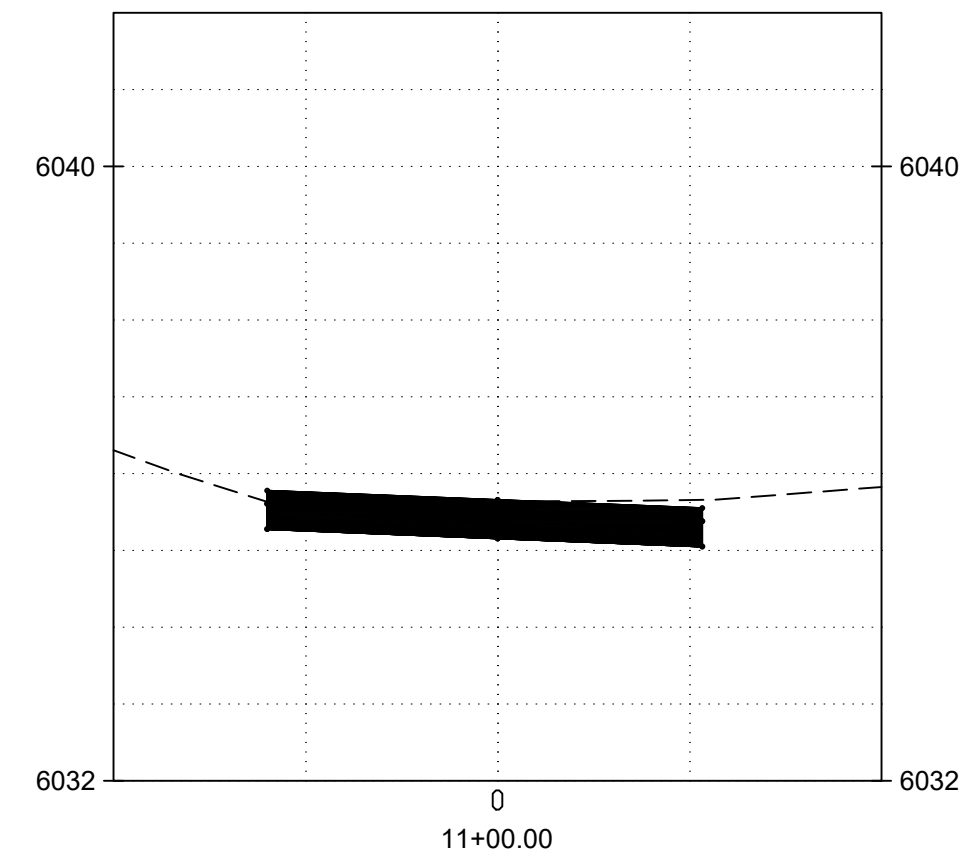
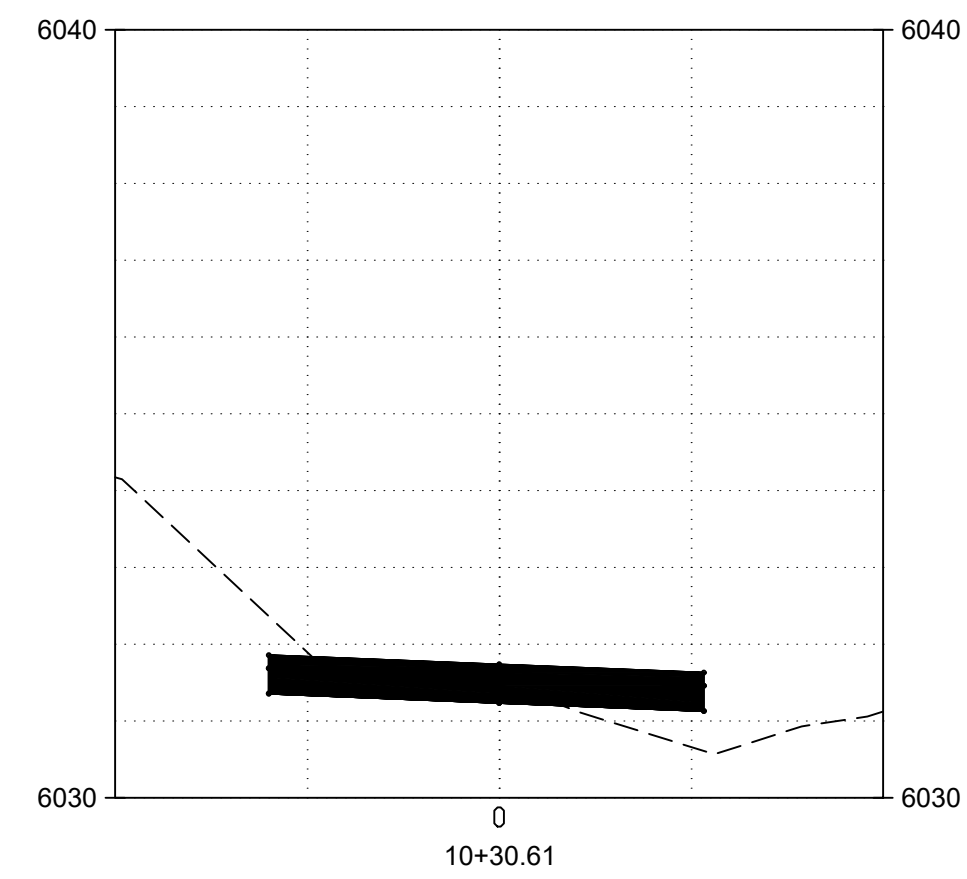
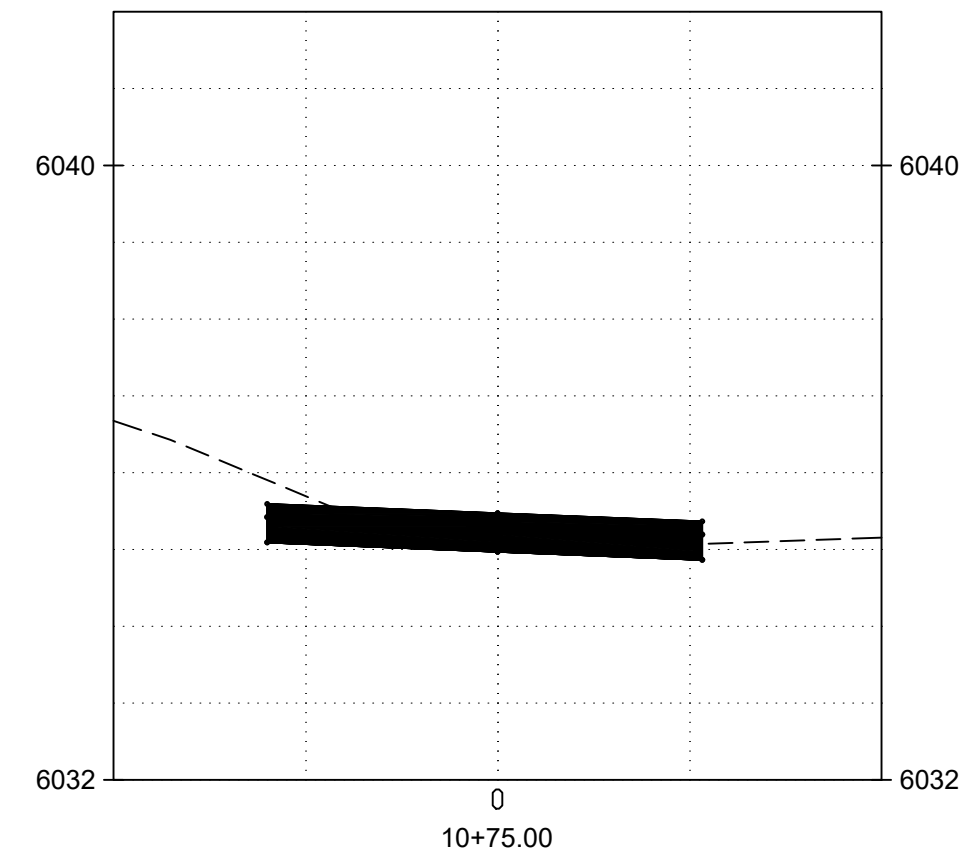
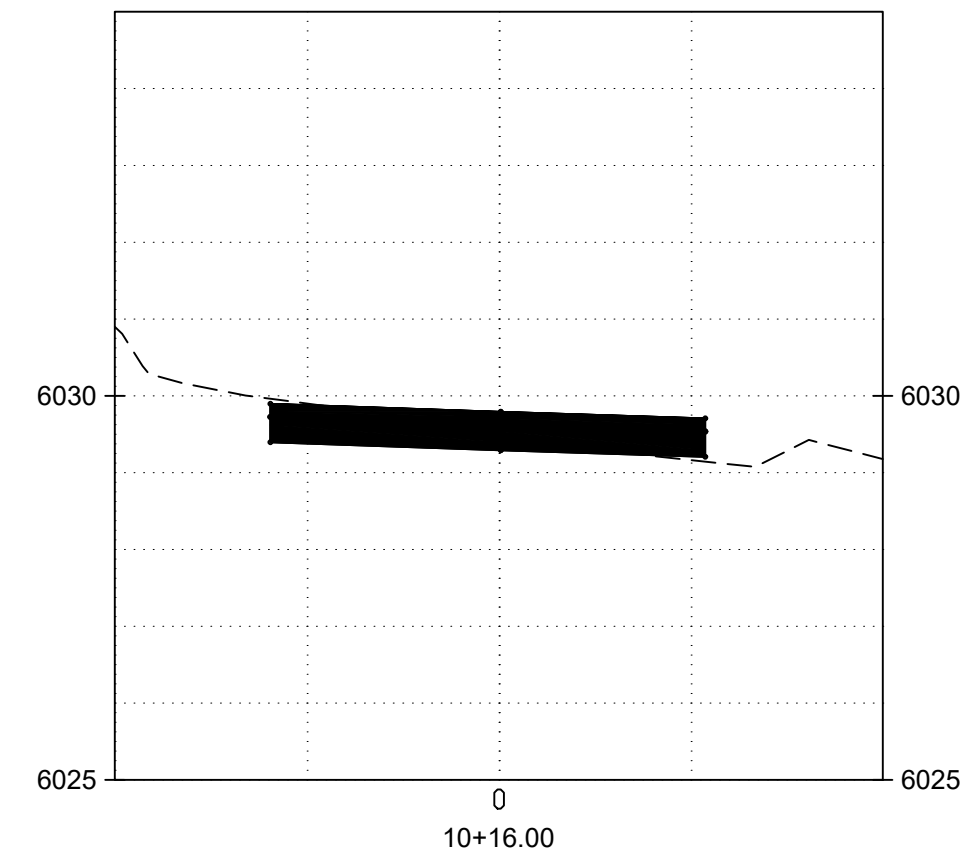
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DES. ENG.	SLJ	DATE	AUG 24		
PROJ. ENG.	RGE	DATE	AUG 24		
PROJ. MGR.	TDB	DATE	AUG 24		
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**ICE HOUSE ROAD
ICE HOUSE ROAD
CROSS SECTIONS**

DRAWN	RW	DATE	---	DWG. NO.	C104	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	38	OF	76

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VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

WESTON SOLUTIONS

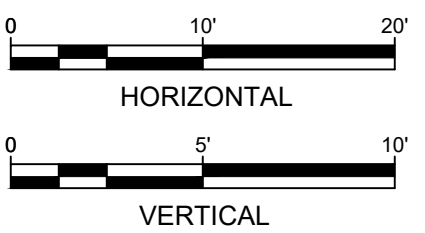
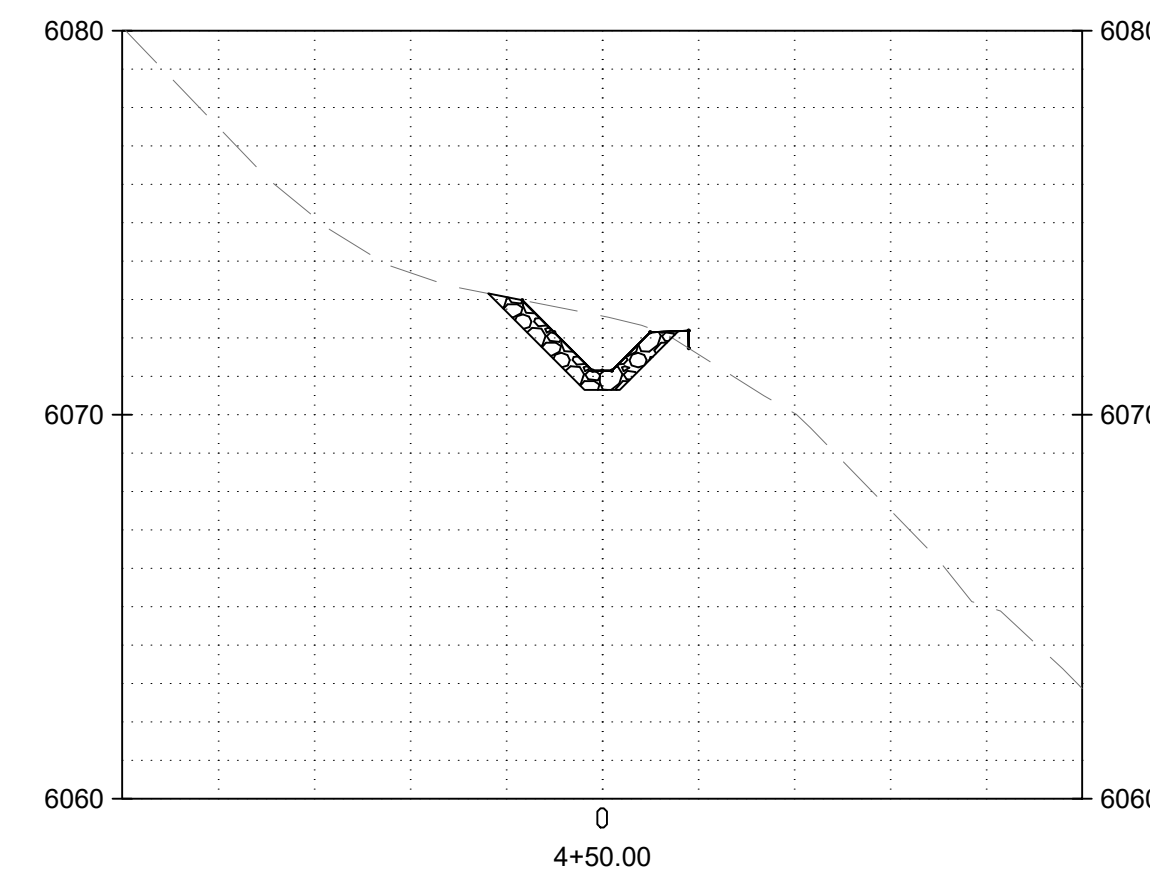
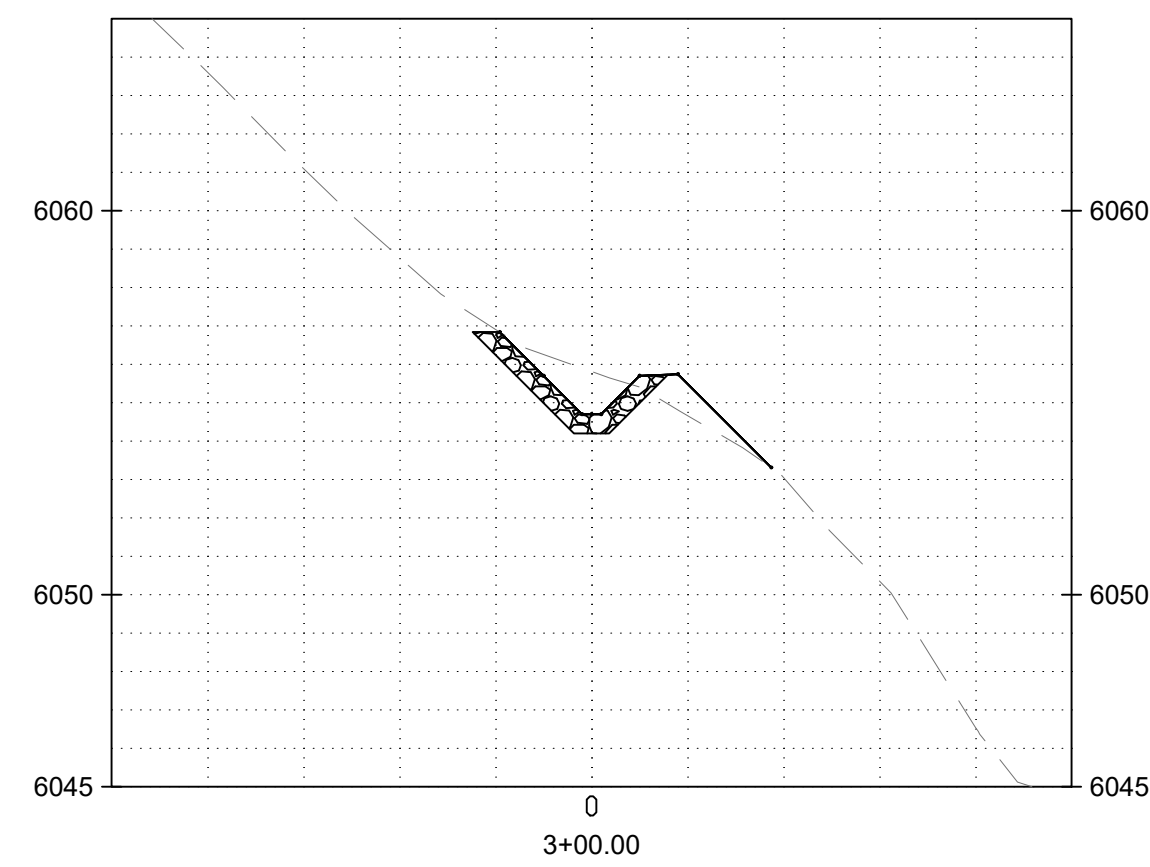
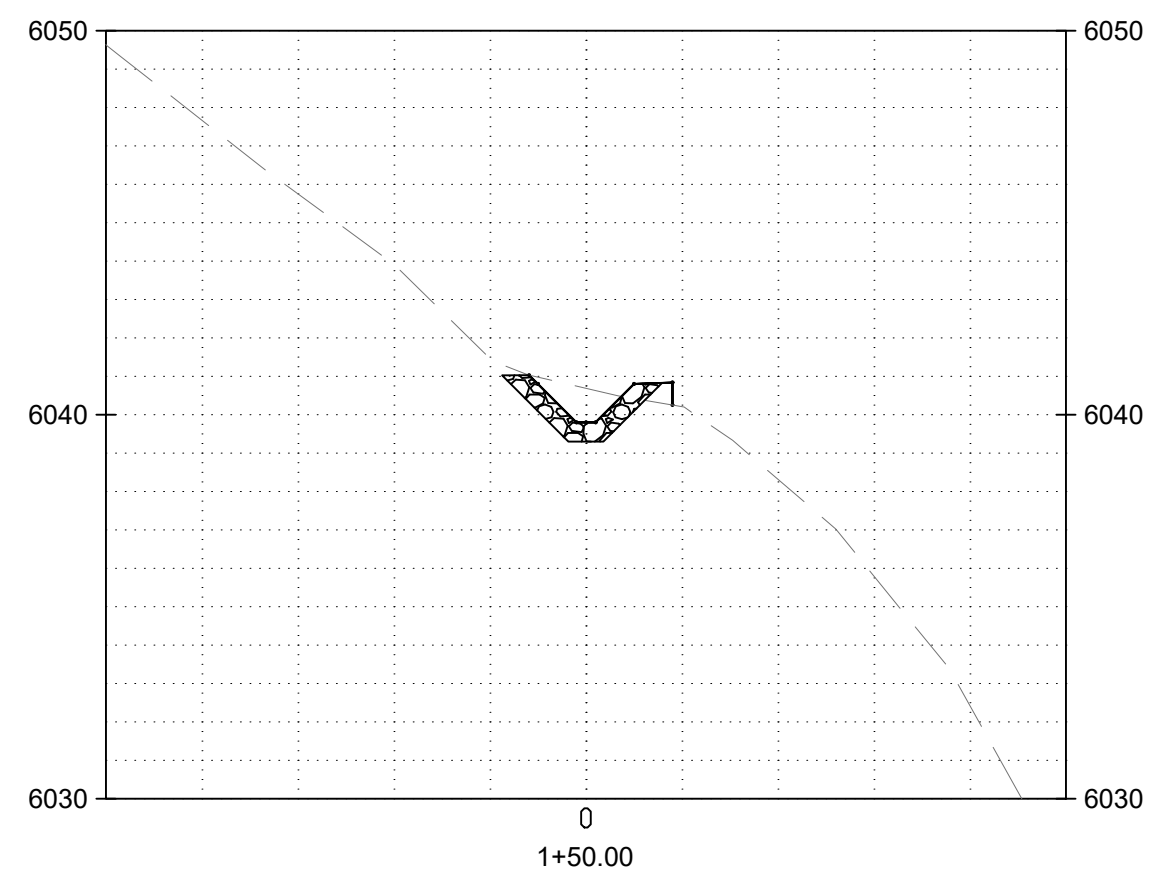
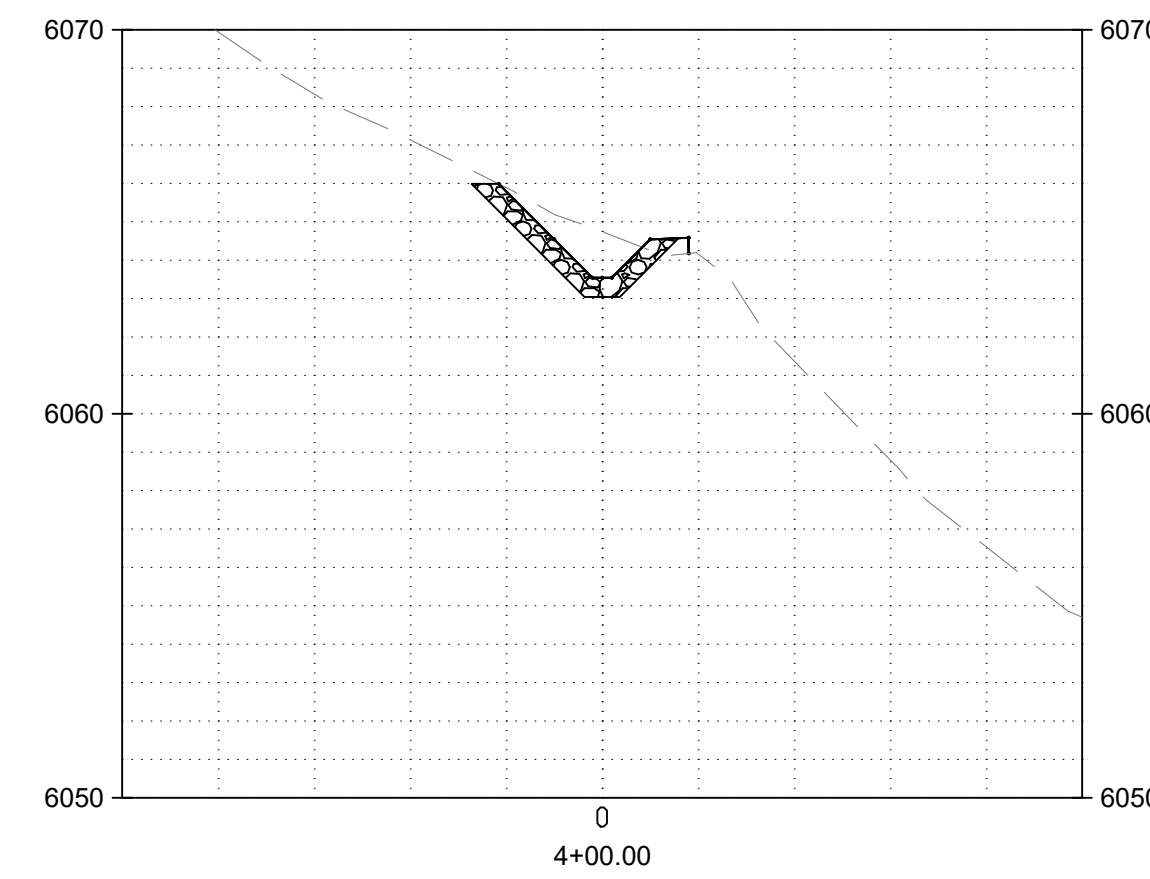
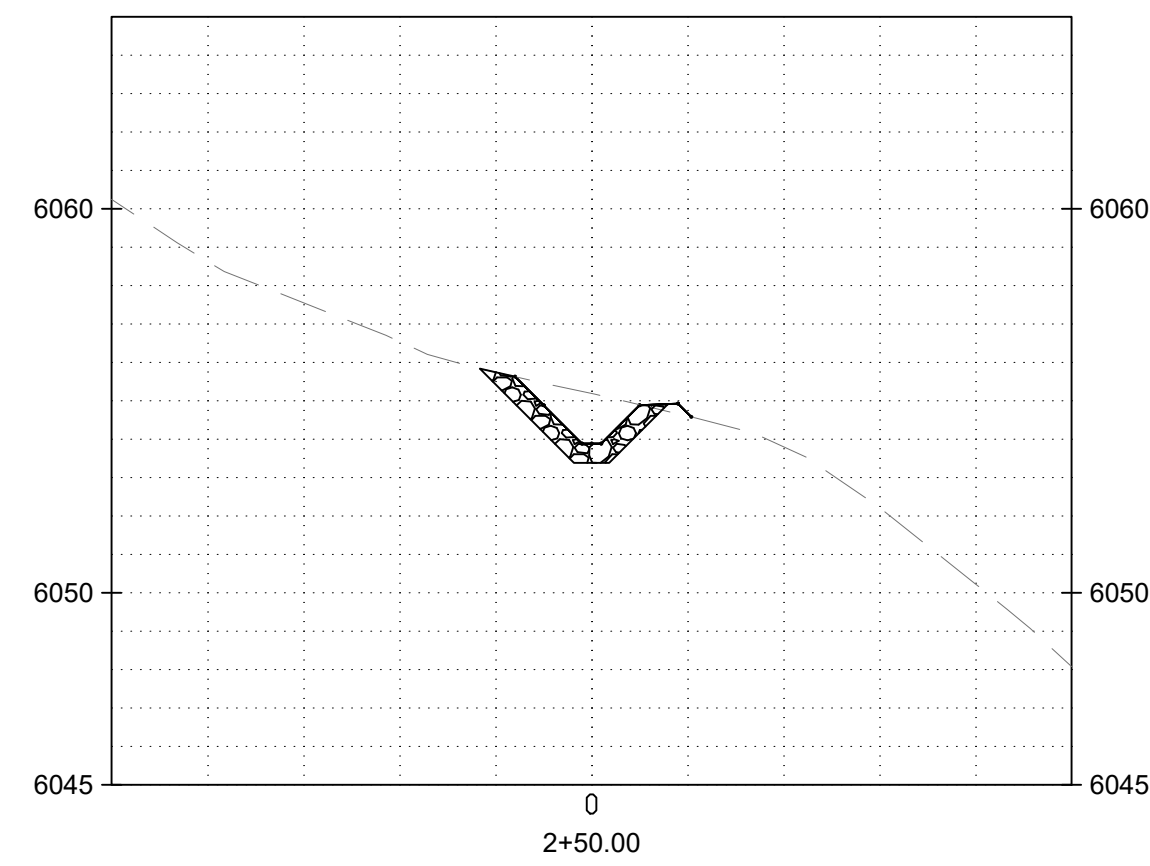
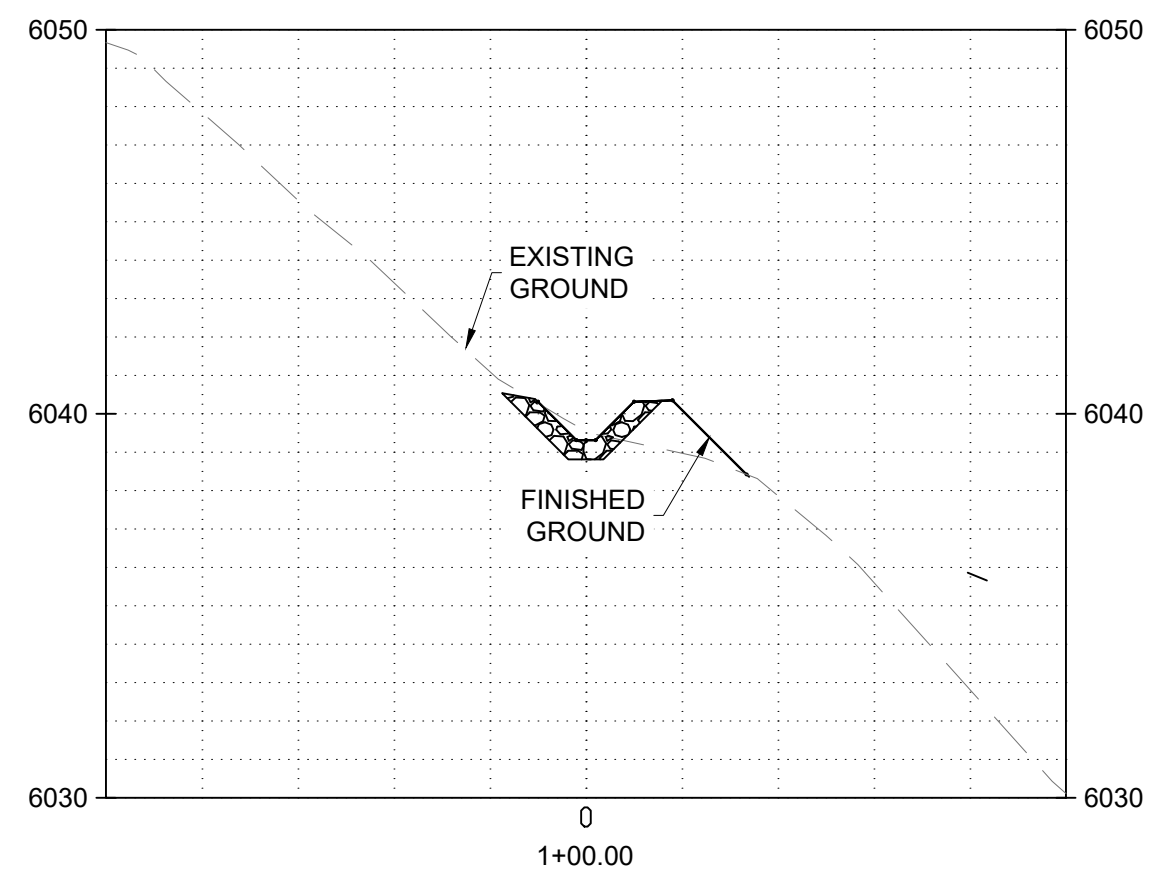
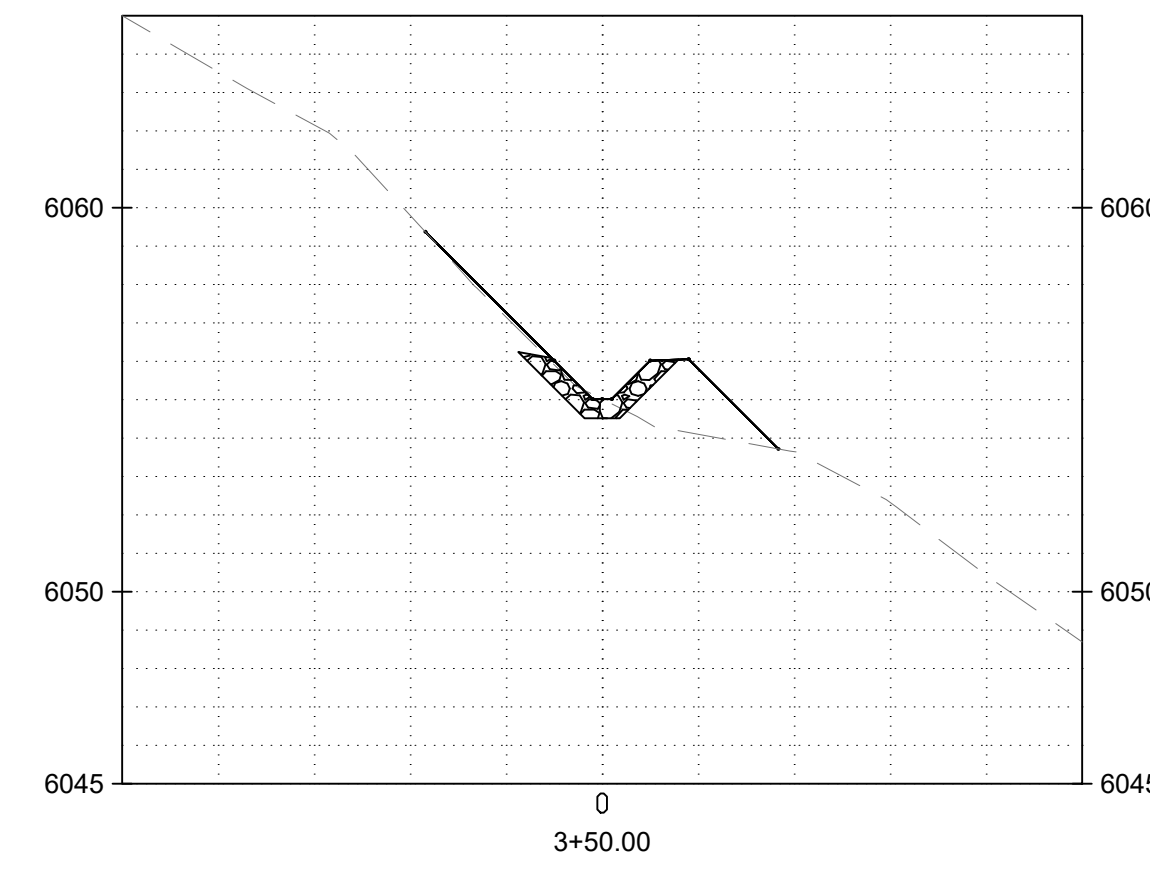
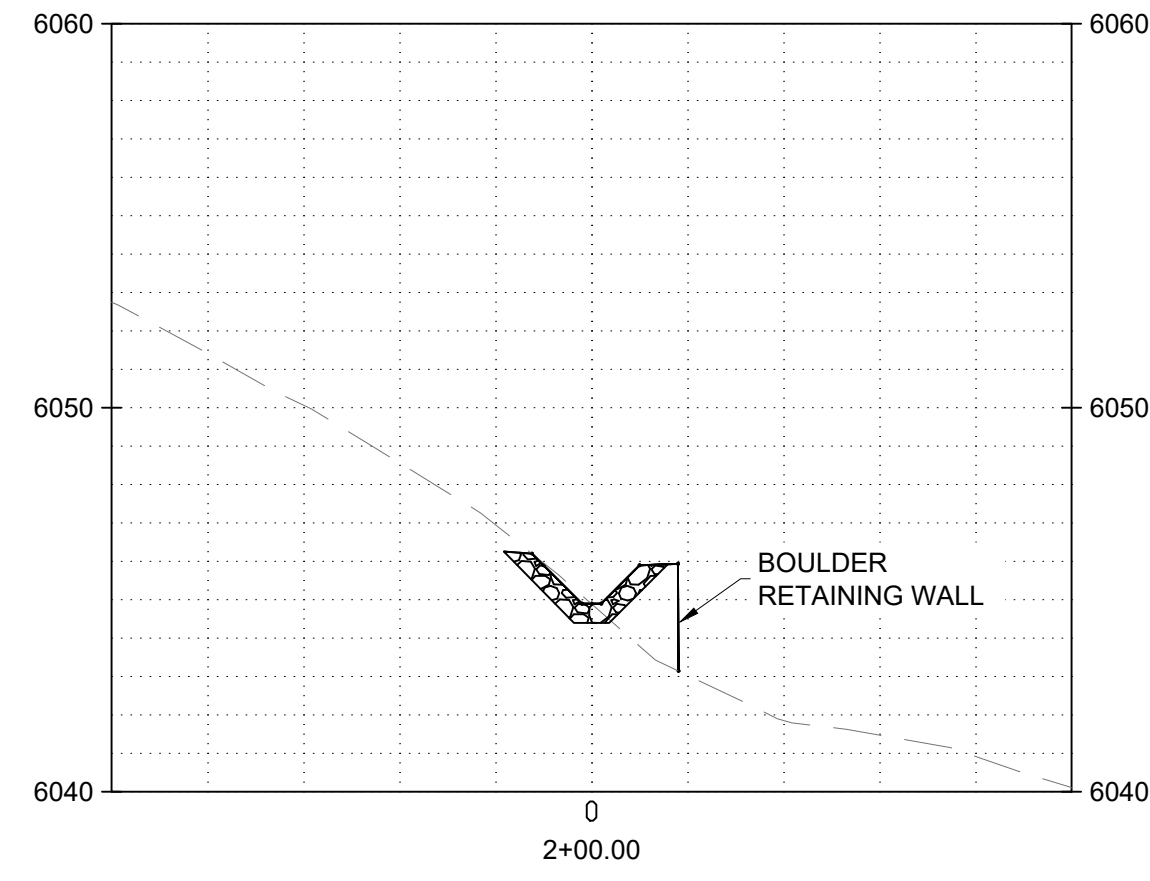
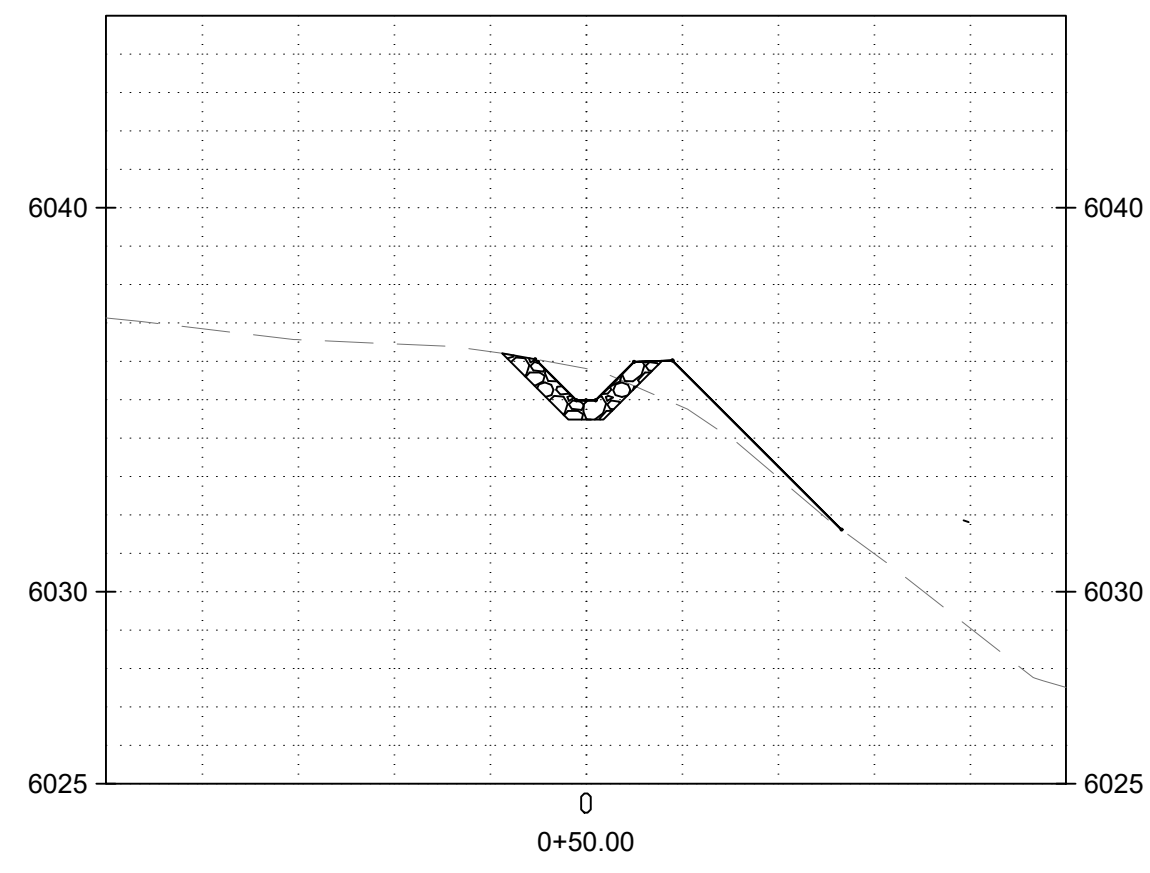
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ICE HOUSE ROAD
ICE HOUSE ROAD EXTENSION
CROSS SECTIONS

DRAWN	RW	DATE	----	DWG. NO.	C105	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	39	OF	76

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VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

WESTON SOLUTIONS

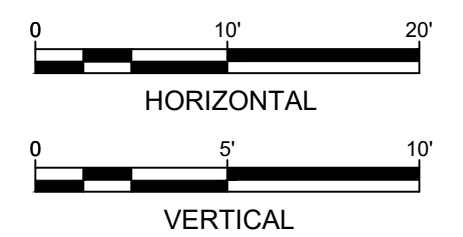
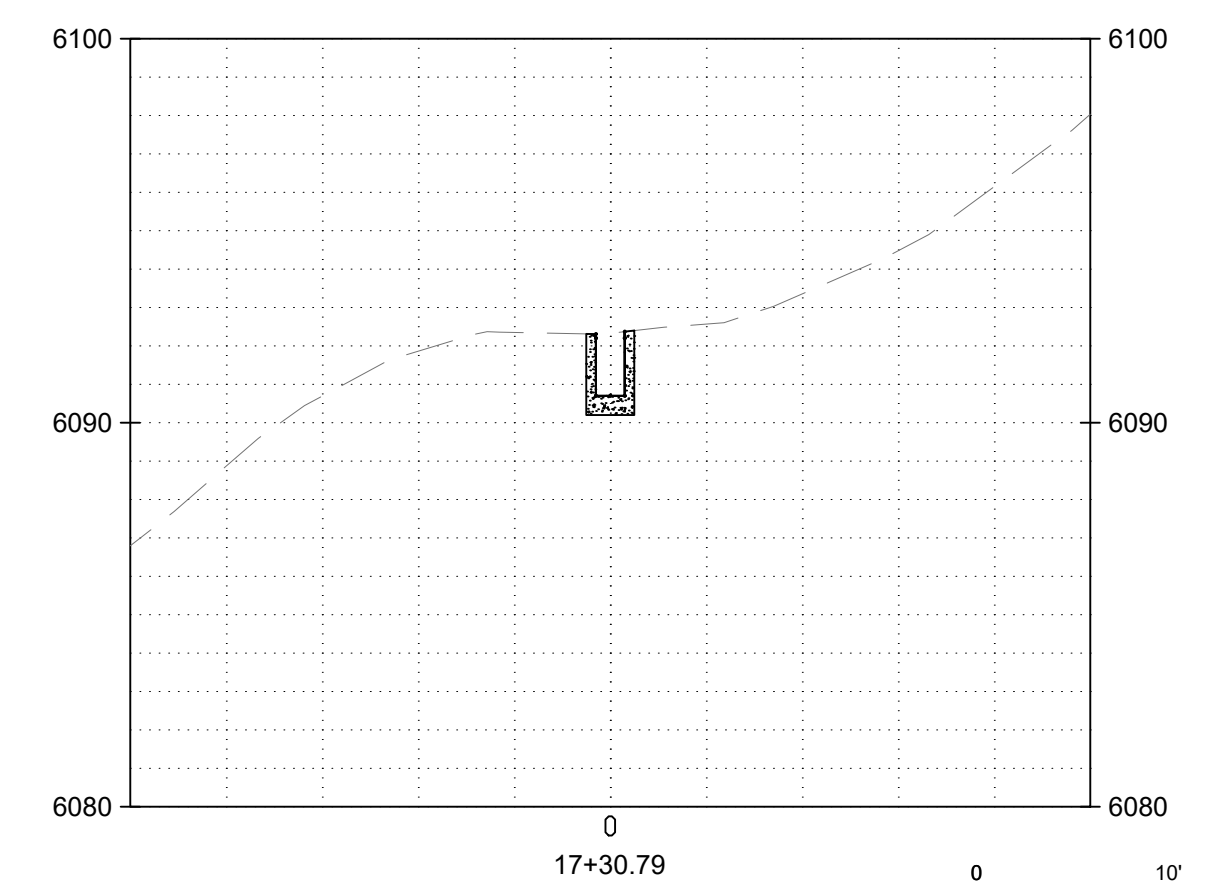
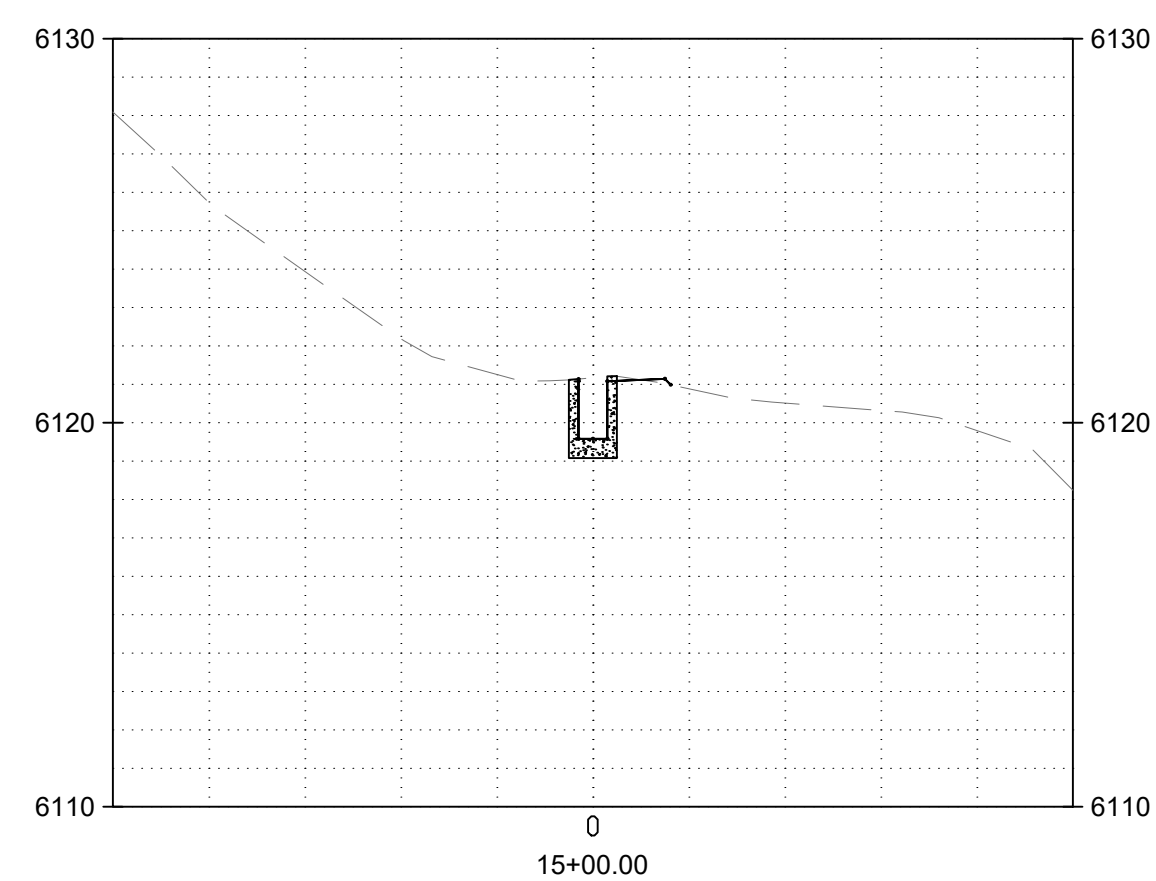
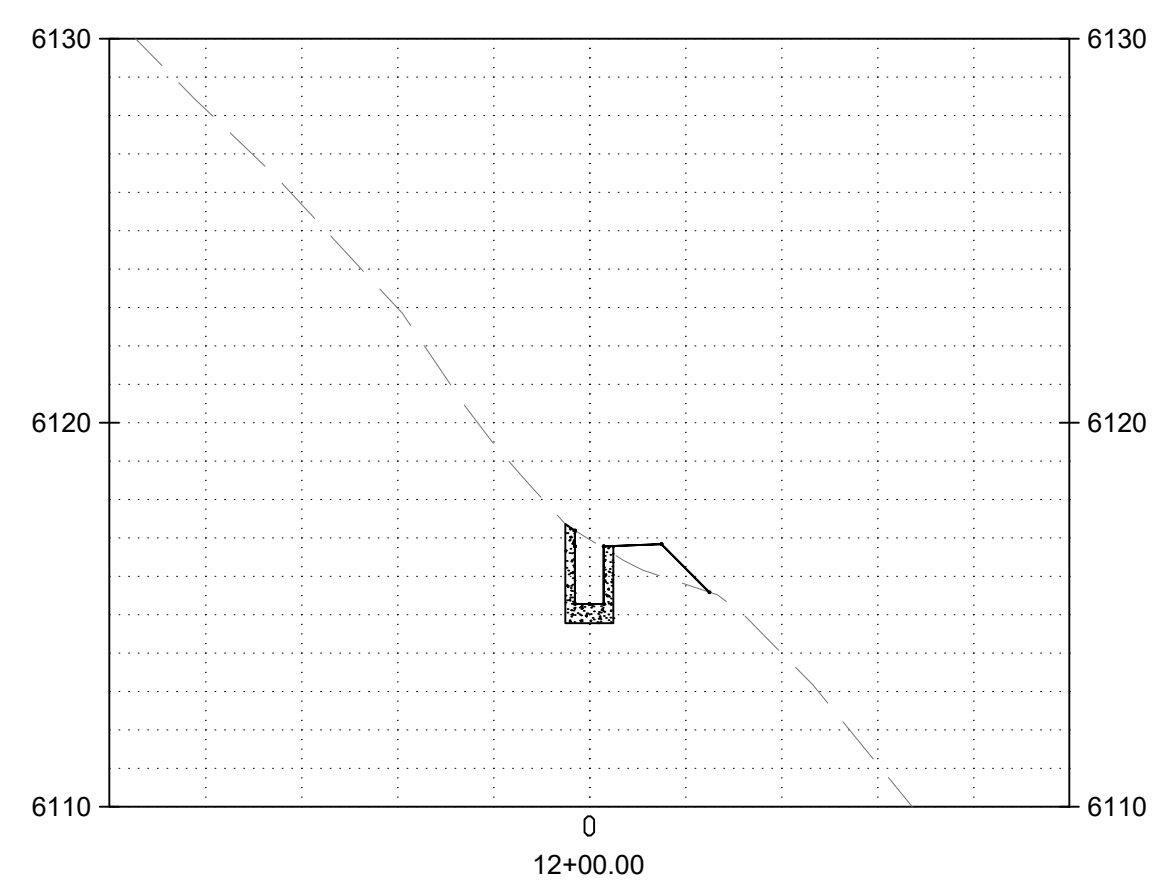
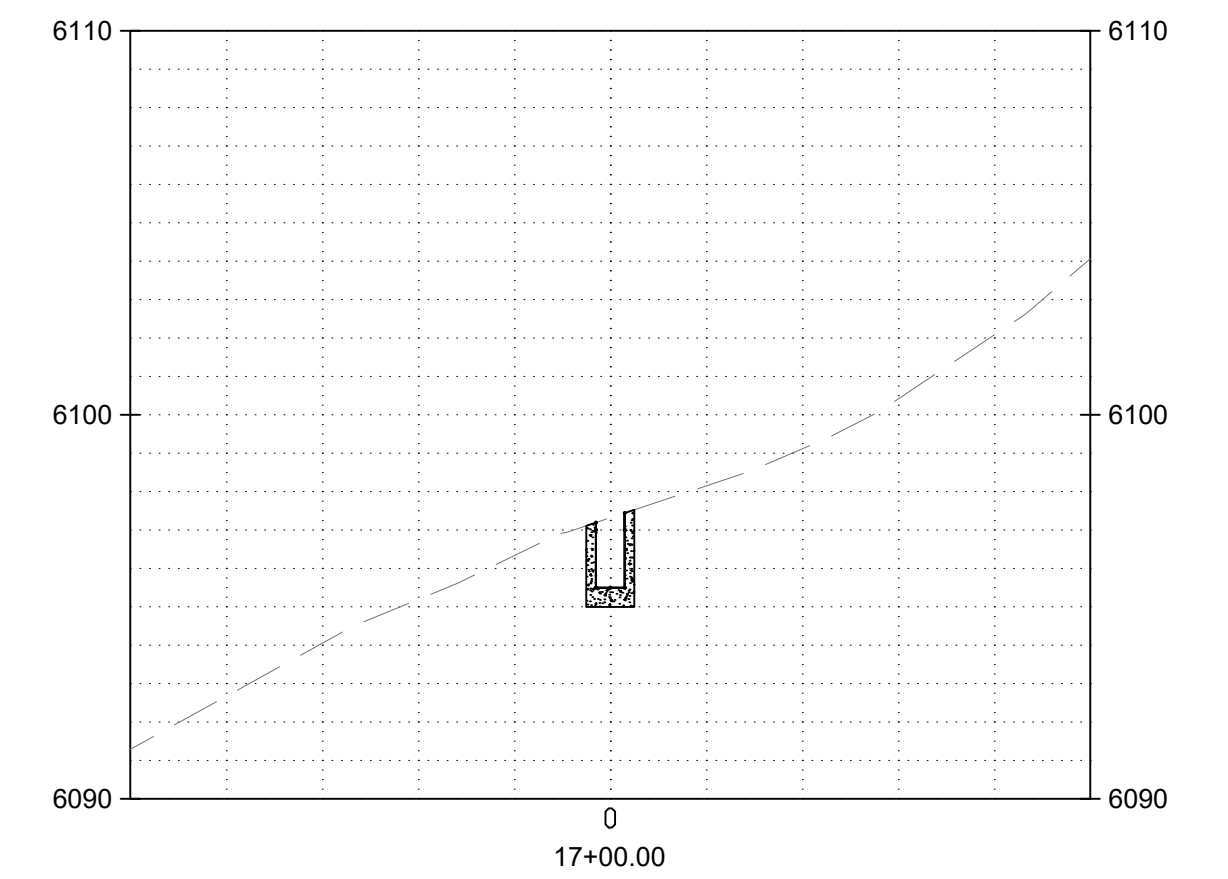
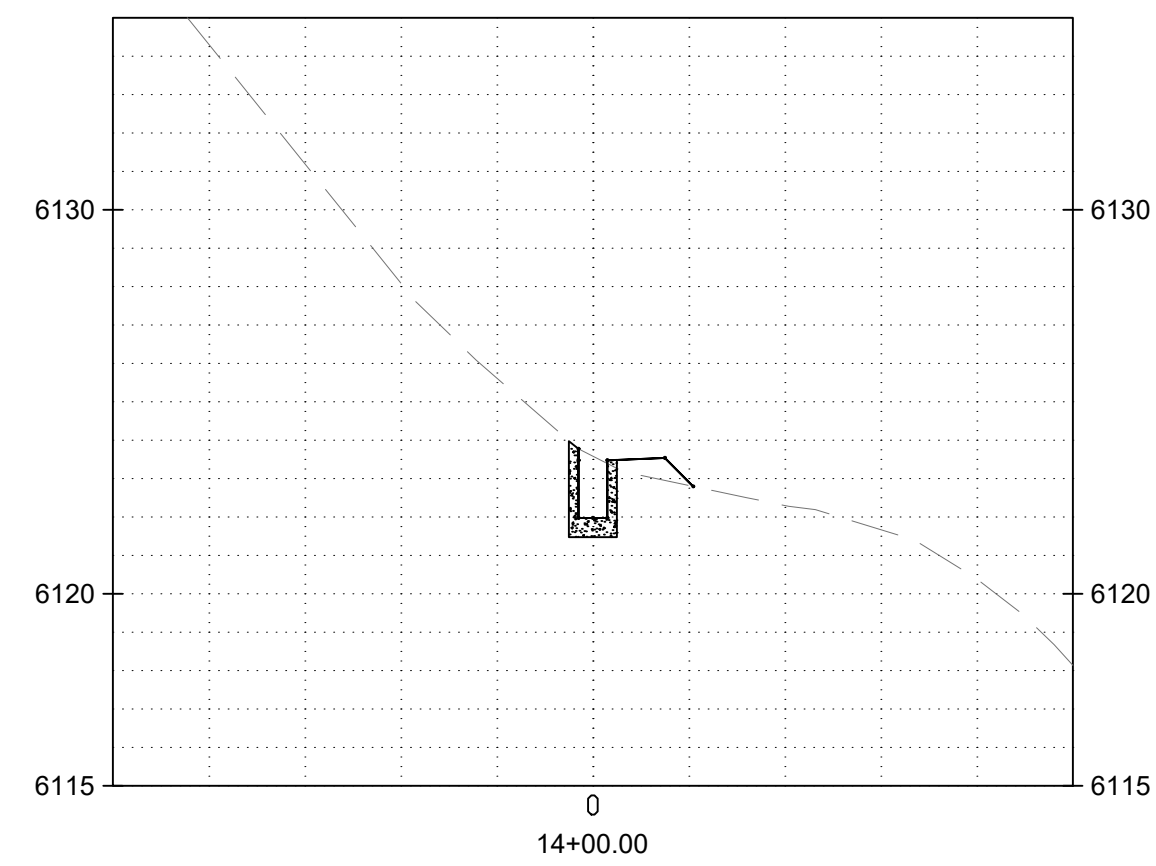
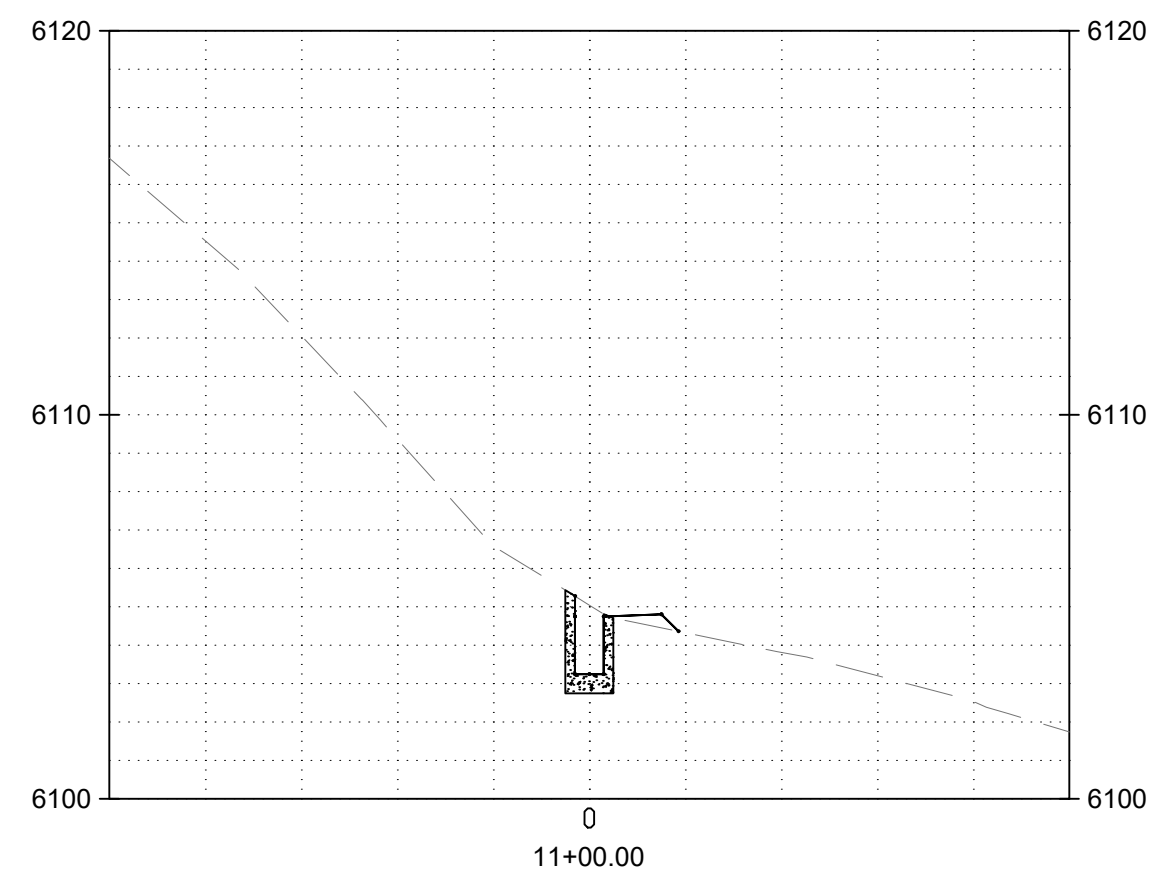
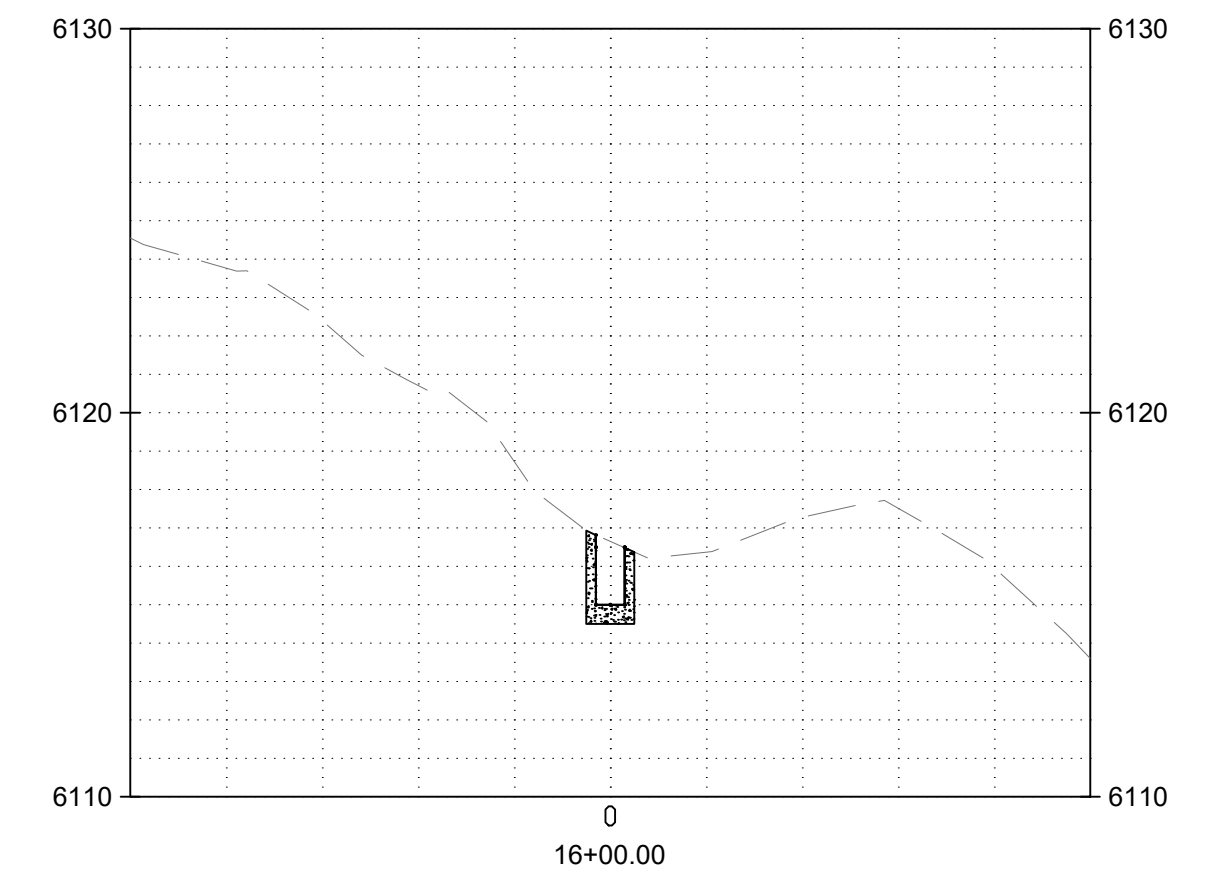
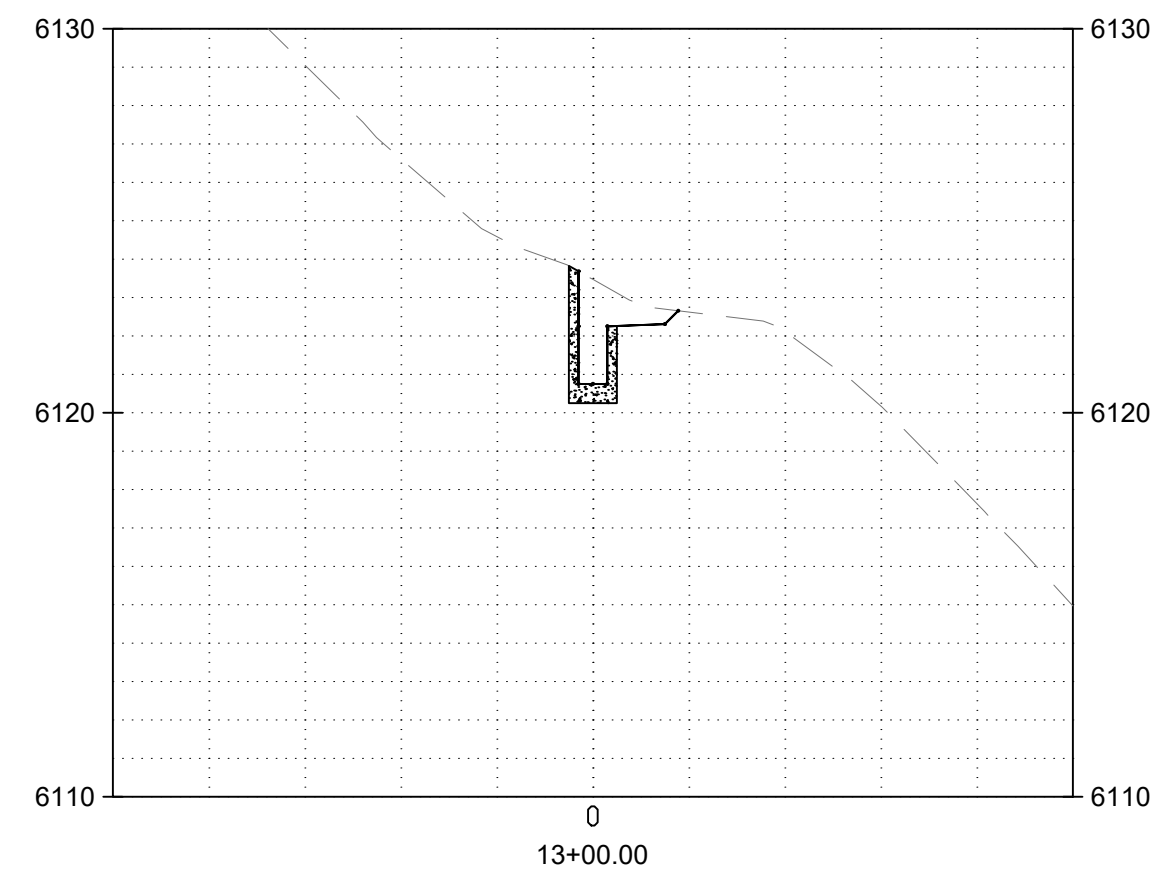
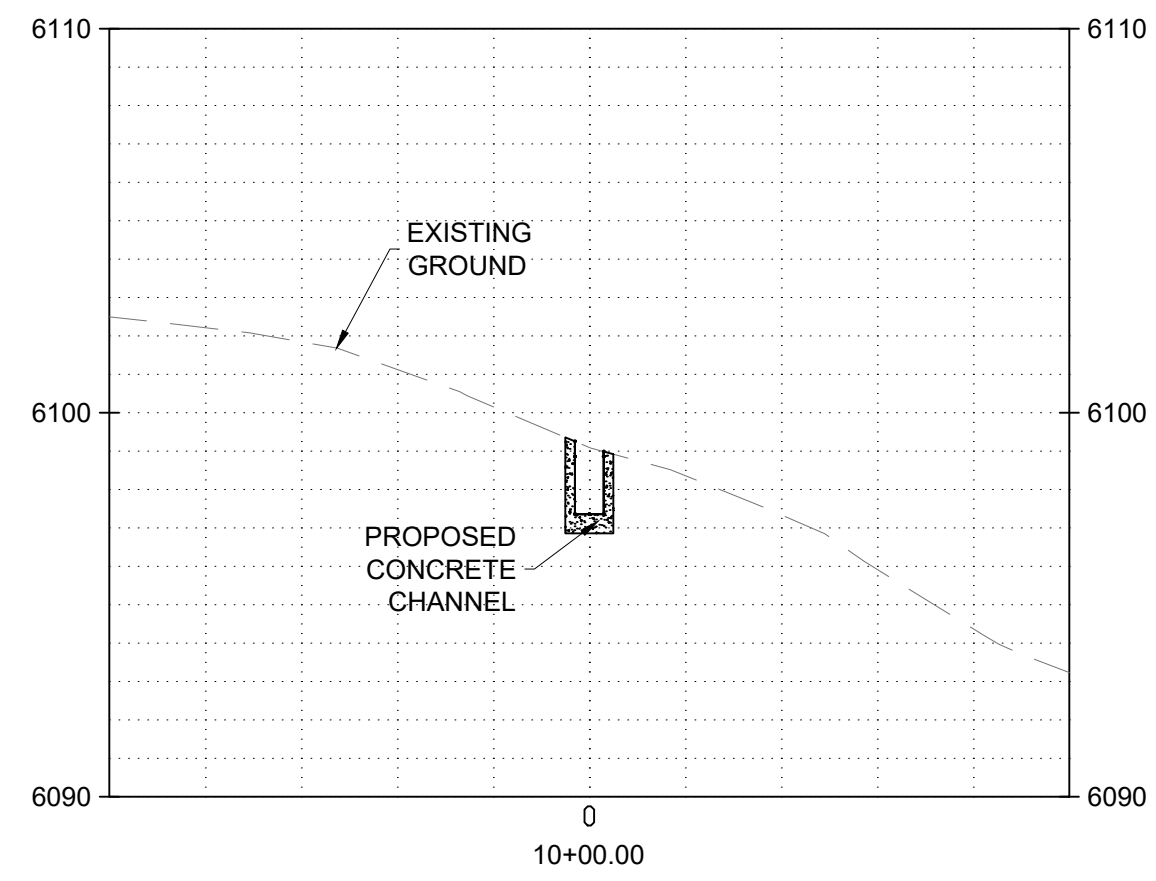
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DES. ENG.	SLJ	AUG 24		
PROJ. ENG.	RGE	AUG 24		
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ICE HOUSE ROAD
ICE HOUSE LOWER INTERCEPTOR
CROSS SECTIONS

DRAWN	RW	DATE	---	DWG. NO.	C106	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	40	OF	76

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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
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VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

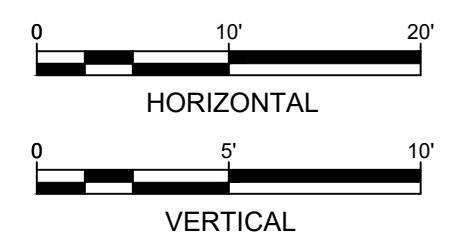
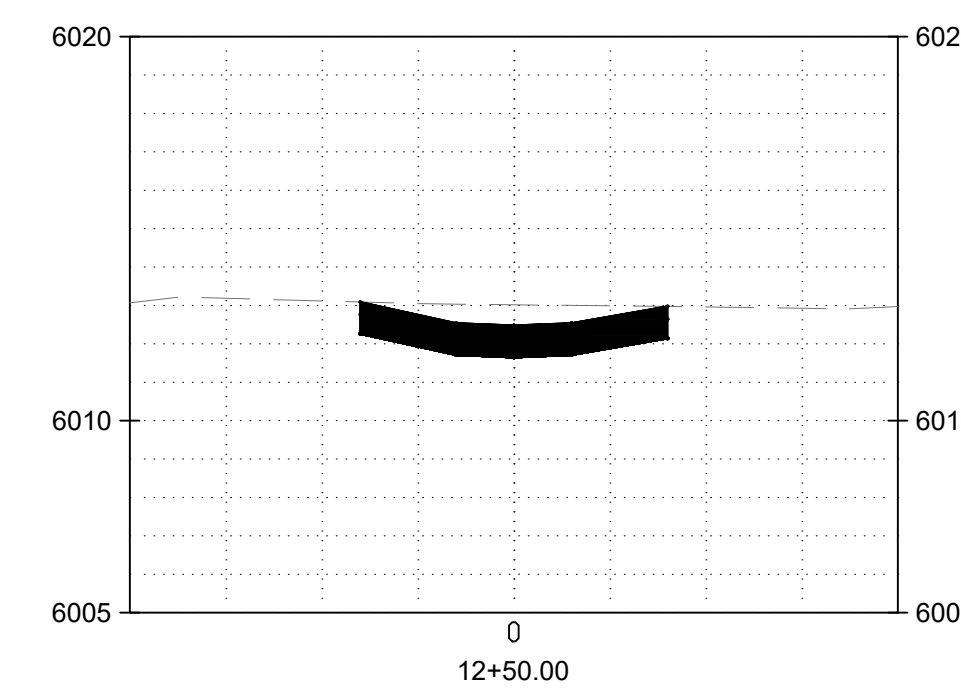
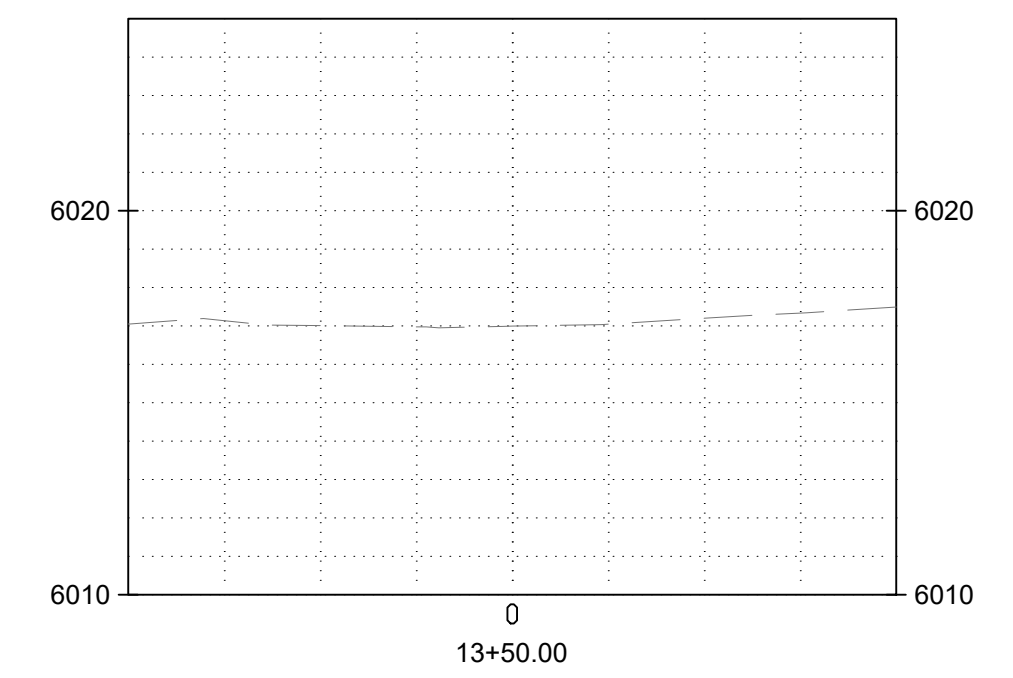
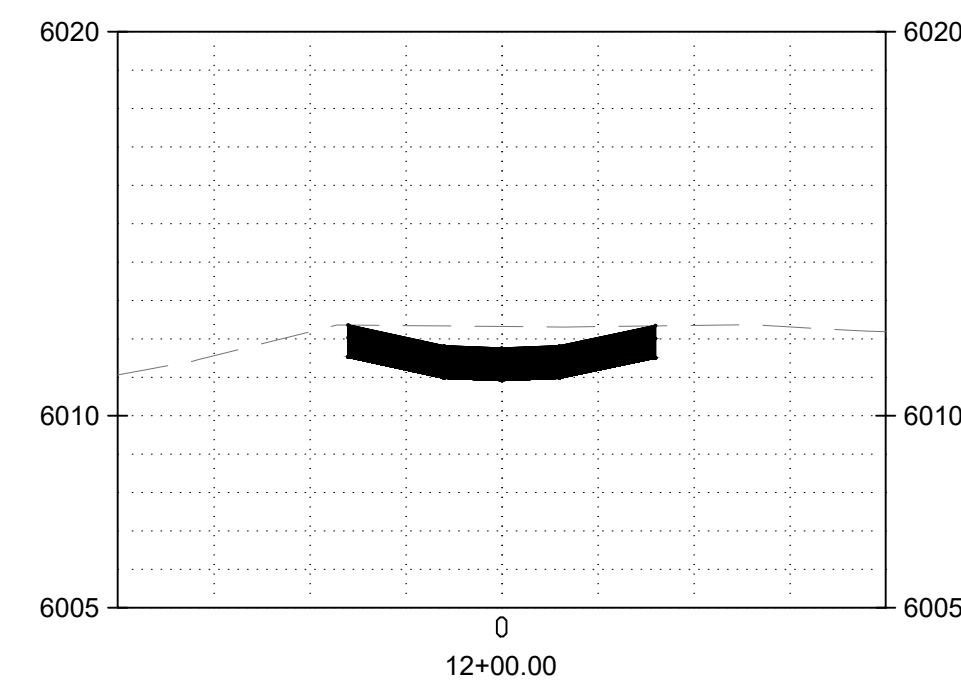
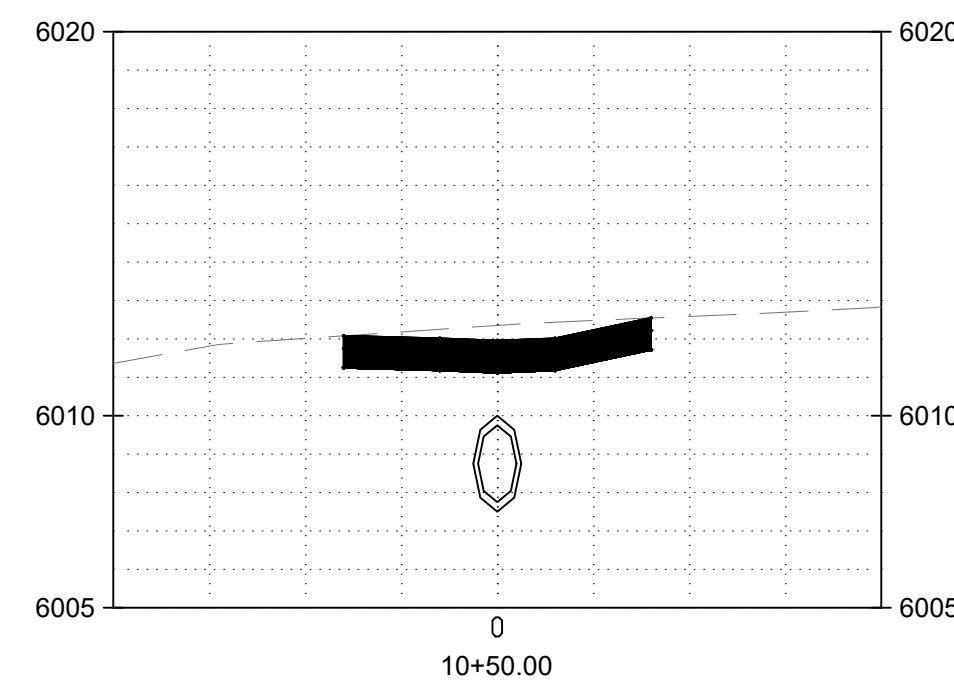
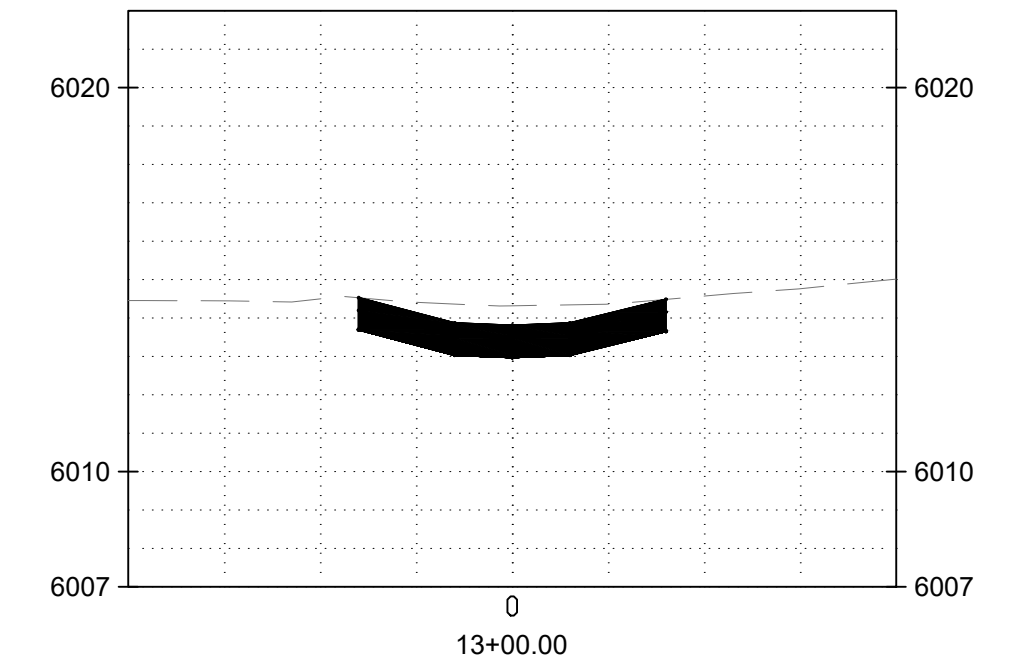
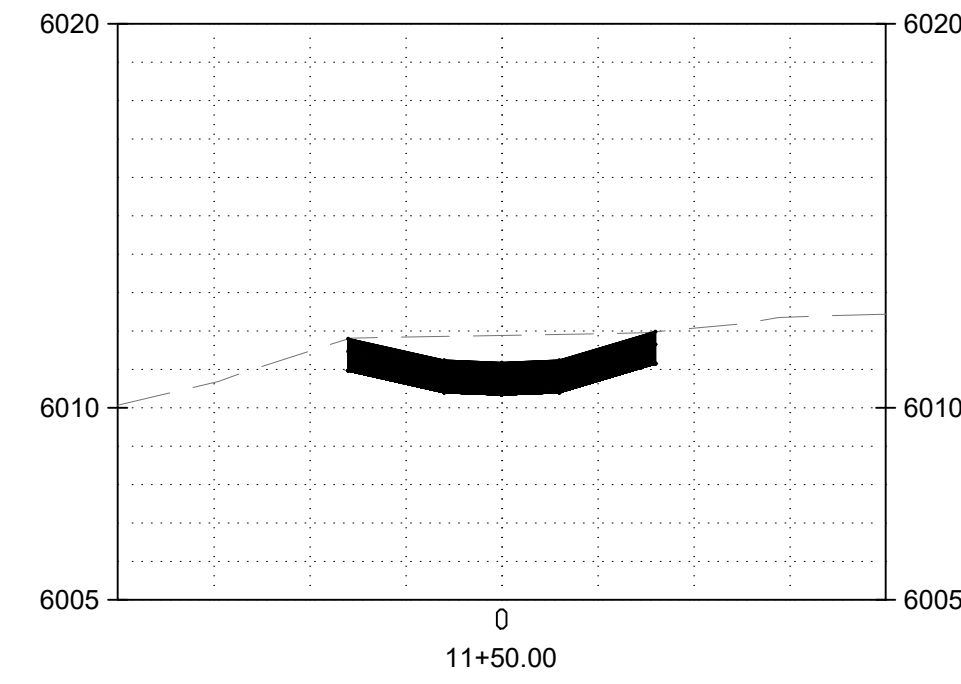
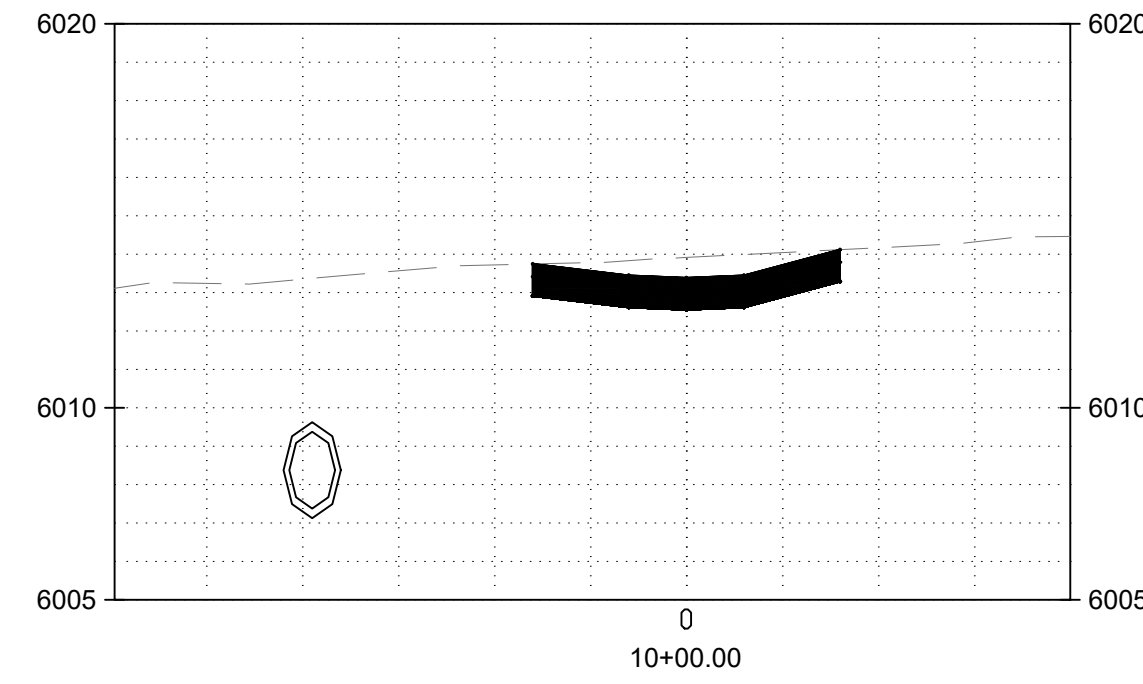
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	AUG 24	CLIENT APPROVALS	DATE
DES. ENG.	SLJ	DATE	AUG 24		
PROJ. ENG.	RGE	DATE	AUG 24		
PROJ. MGR.	TDB	DATE	AUG 24		
APPROVED					
APPROVED					

ICE HOUSE ROAD
ICE HOUSE UPPER INTERCEPTOR
CROSS SECTIONS

DRAWN	RW	DATE	---	DWG. NO.	C107	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	41	OF	76



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NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION
A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

WESTON SOLUTIONS

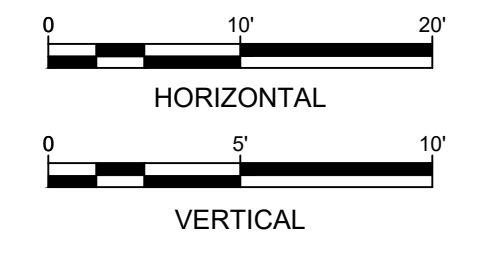
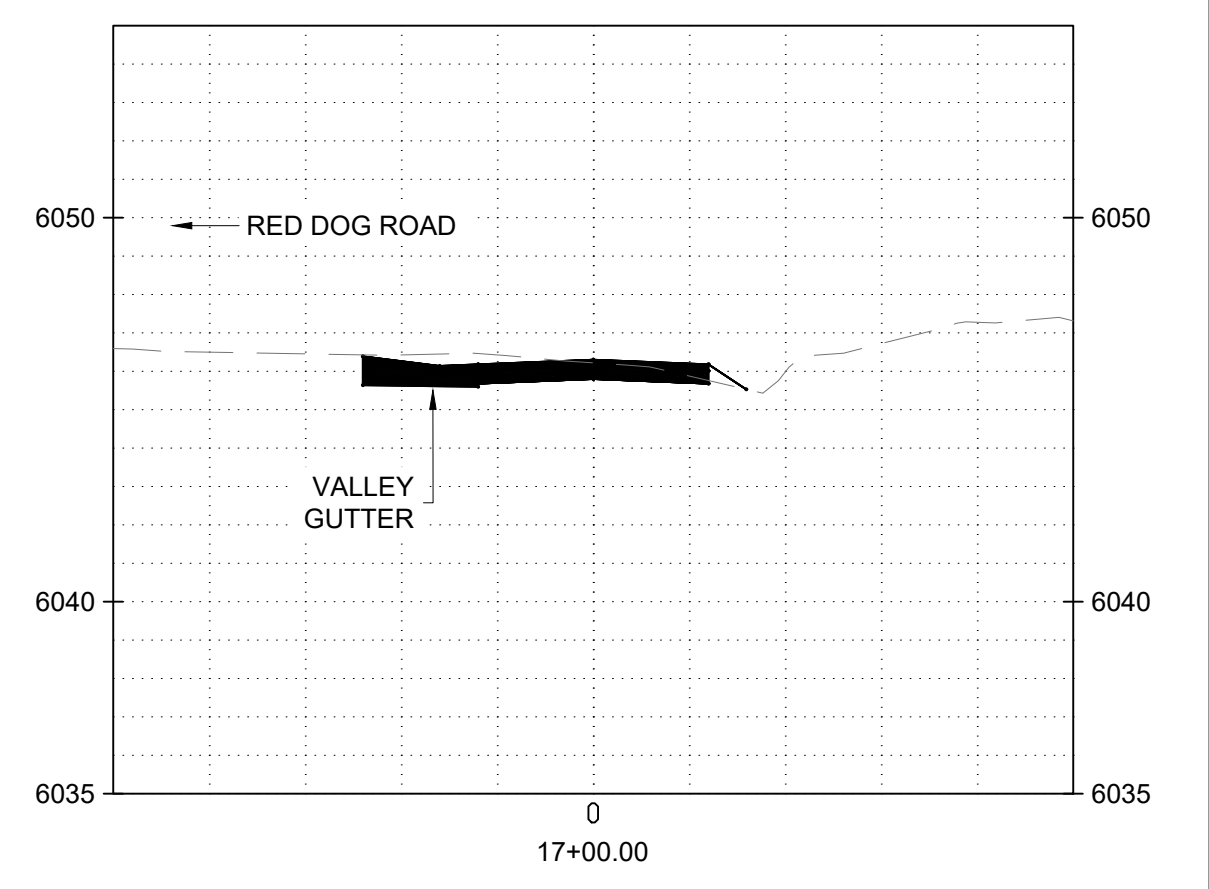
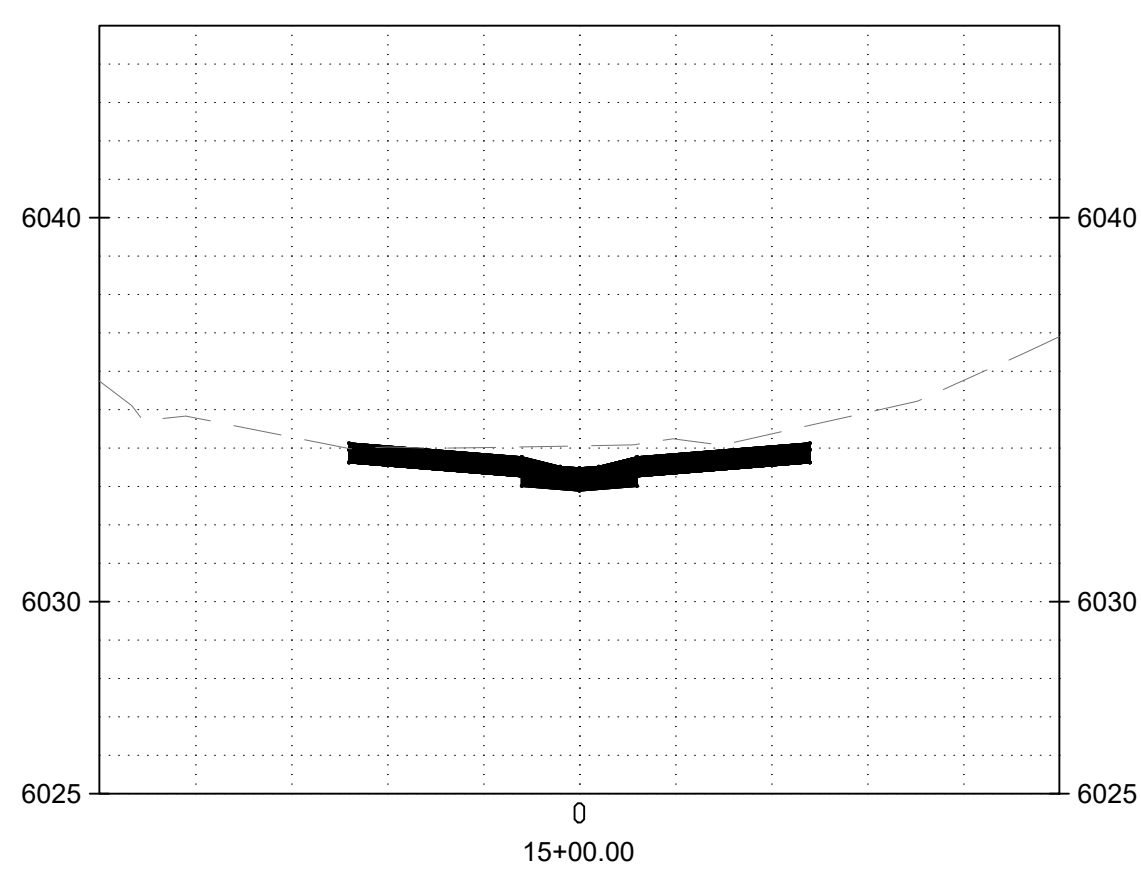
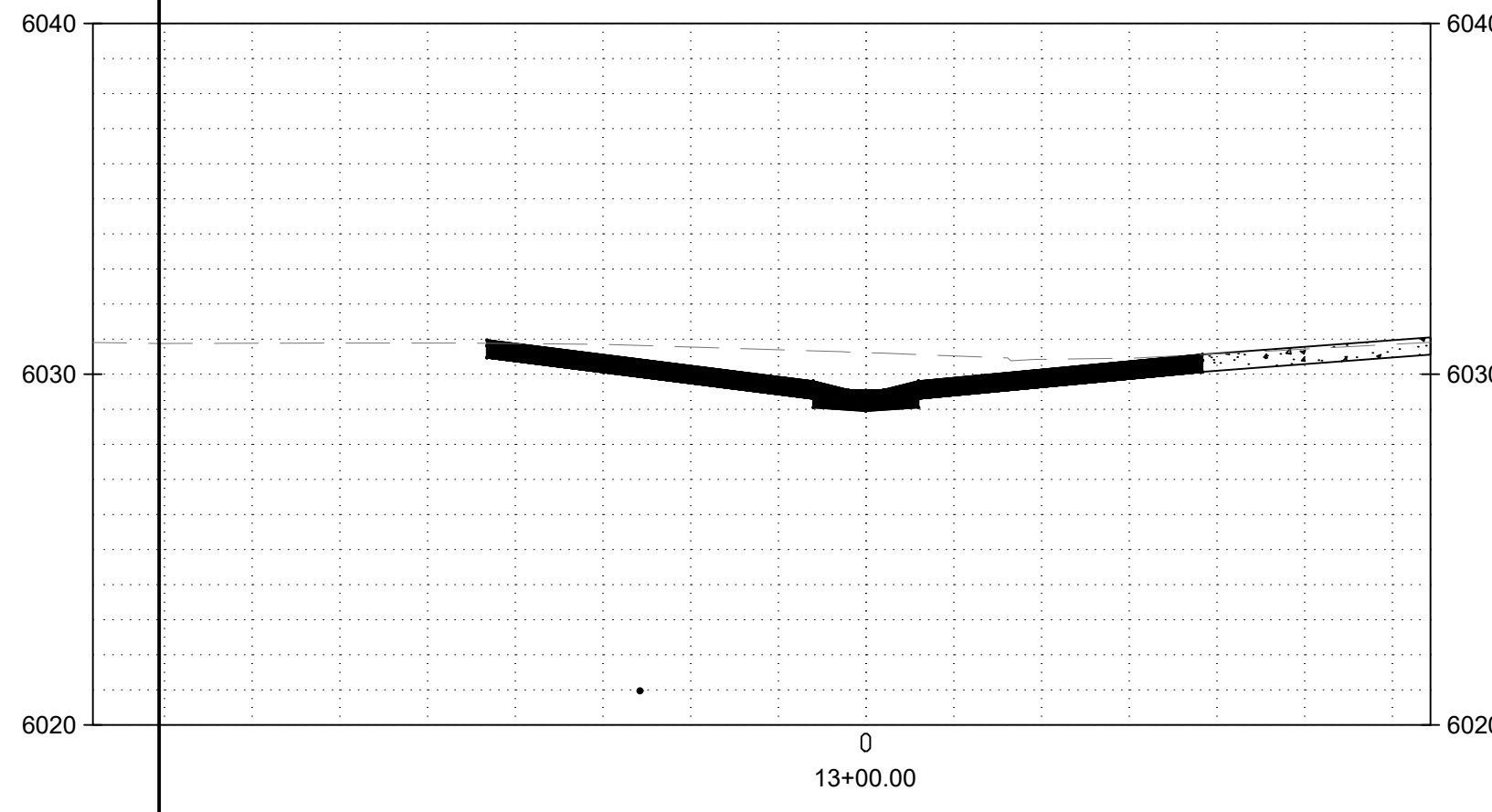
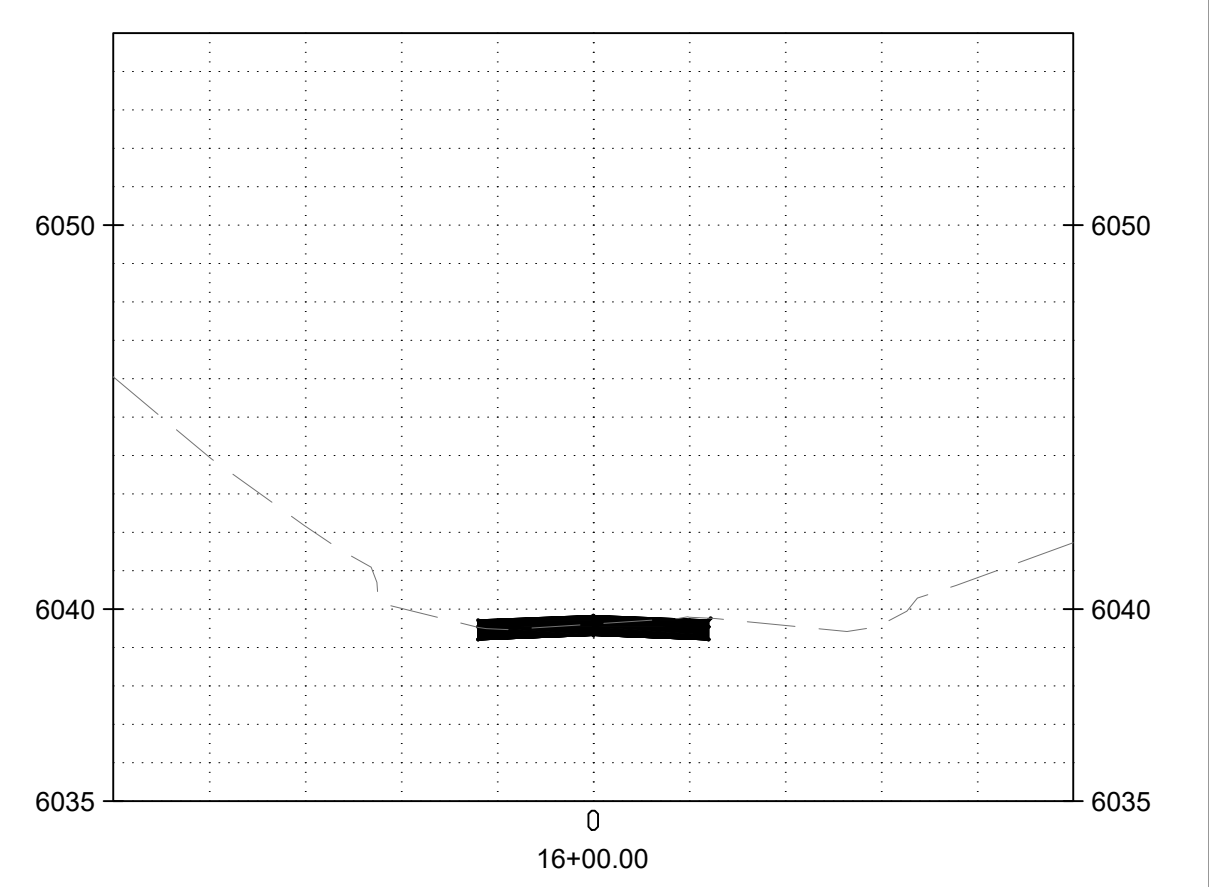
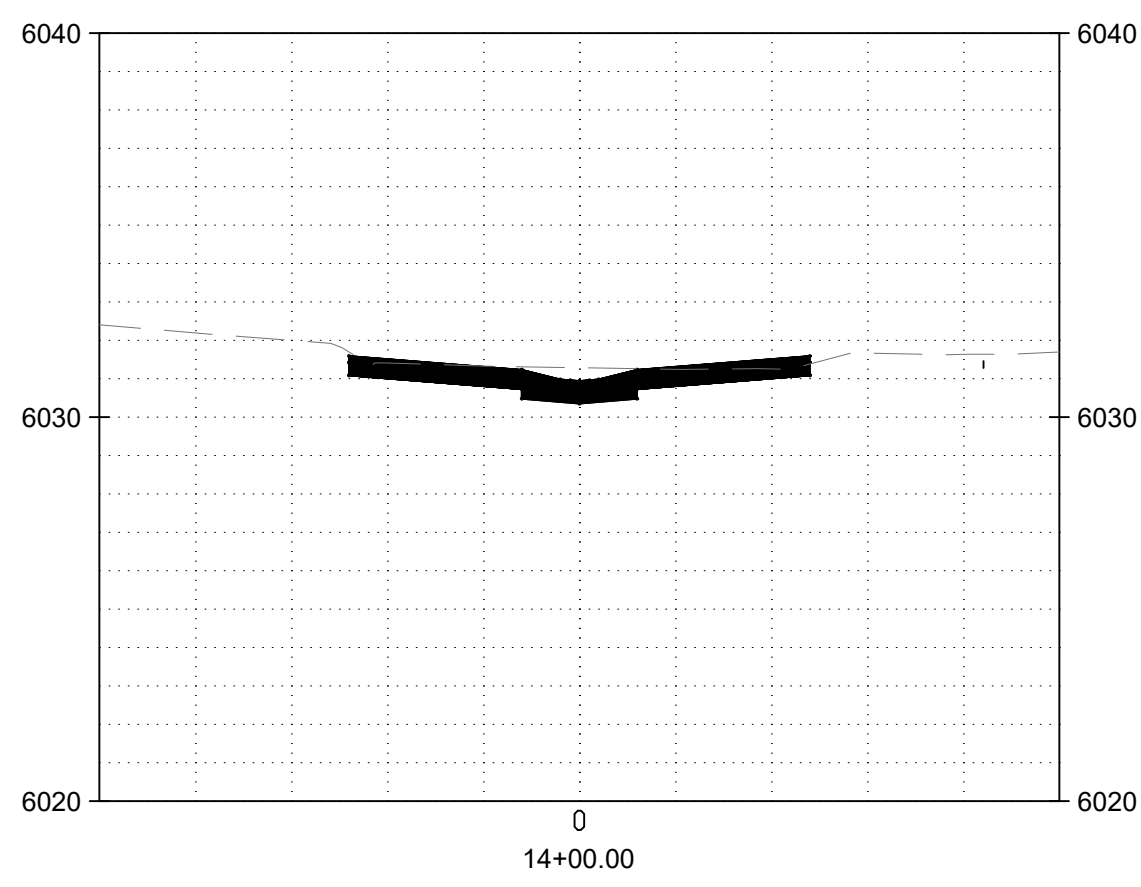
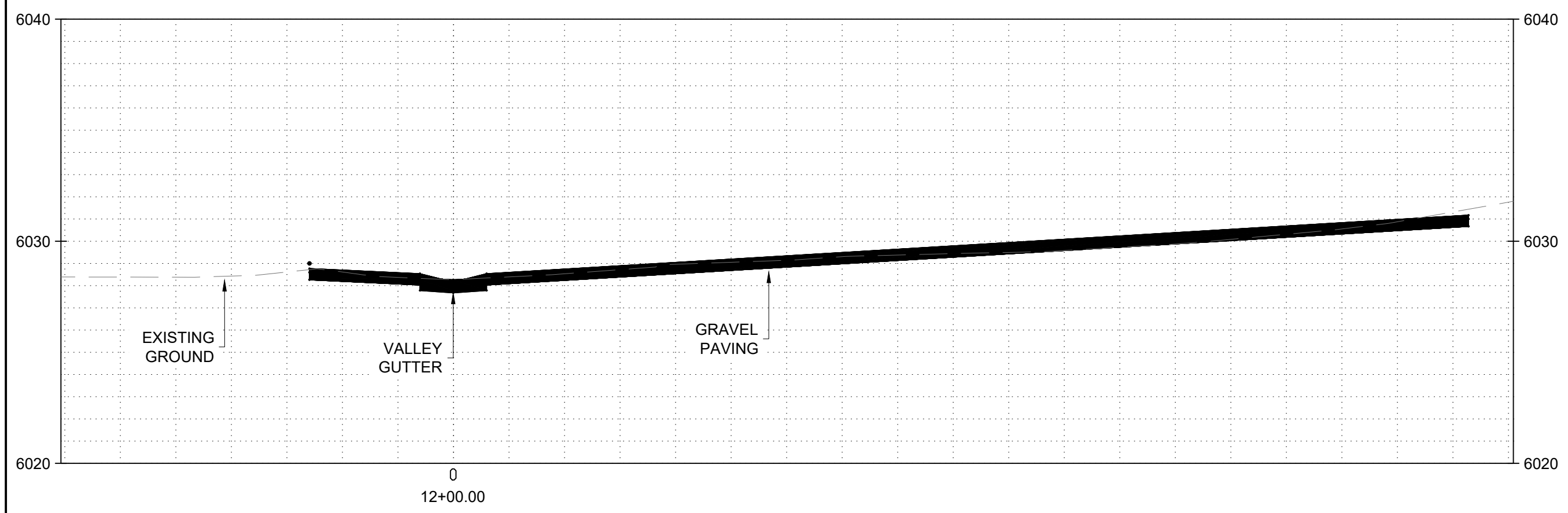
ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	CLIENT APPROVALS	DATE
DES. ENG.	SLJ	AUG 24		
PROJ. ENG.	RGE	AUG 24		
PROJ. MGR.	TDB	AUG 24		
APPROVED				
APPROVED				

ICE HOUSE ROAD
BRIDGE ROAD
CROSS SECTIONS

DRAWN	RW	DATE	---	DWG. NO.	C108	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	42	OF	76

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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION

VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

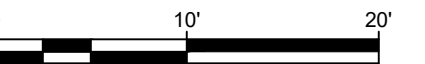
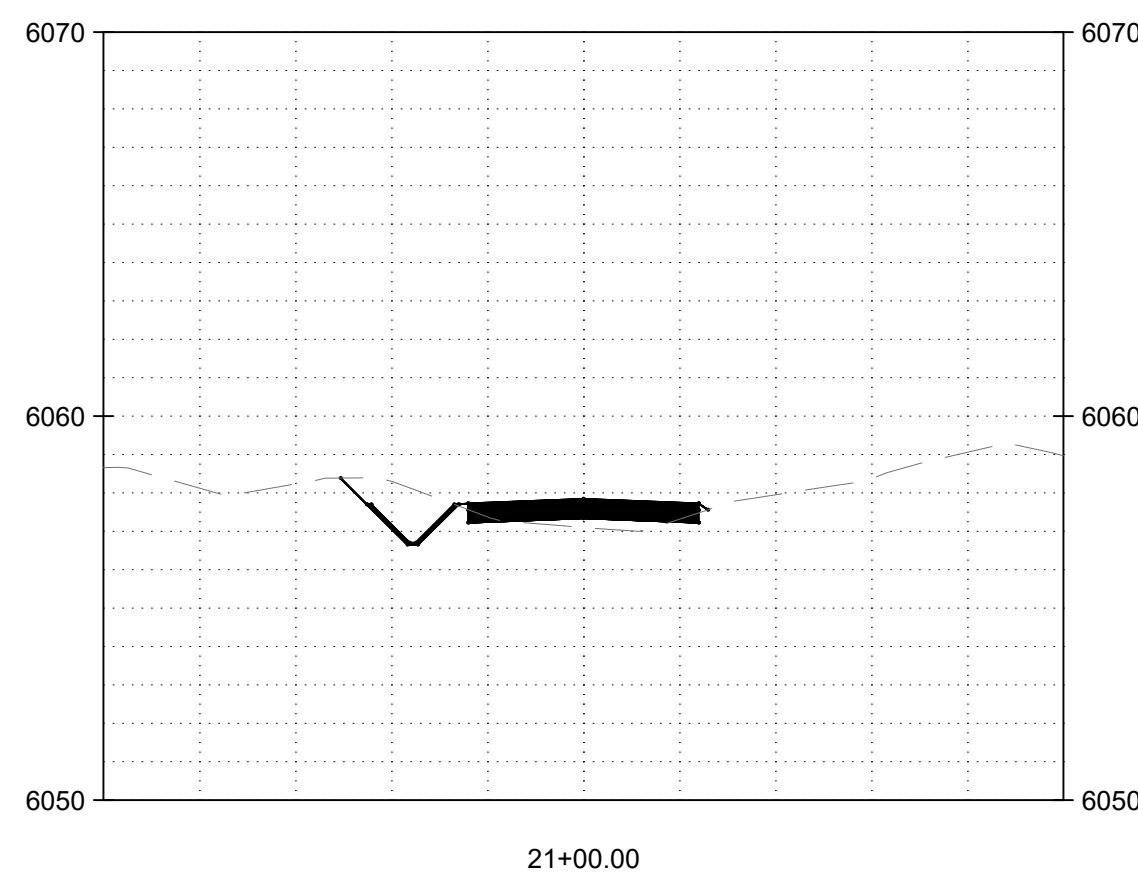
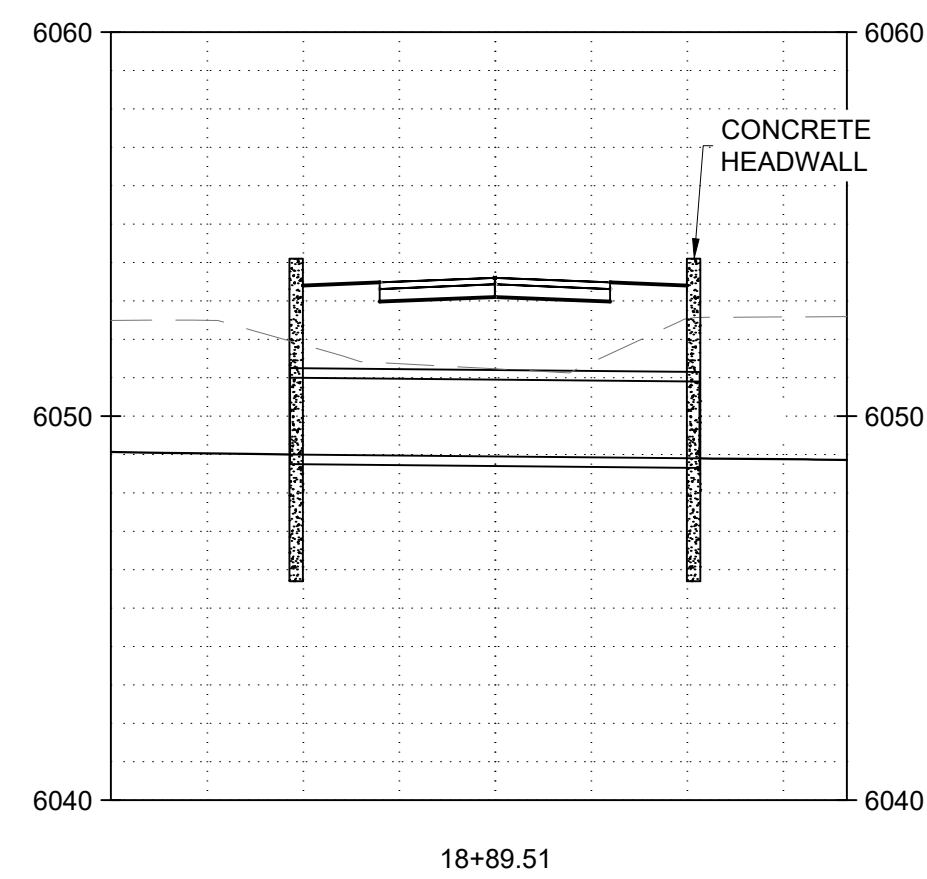
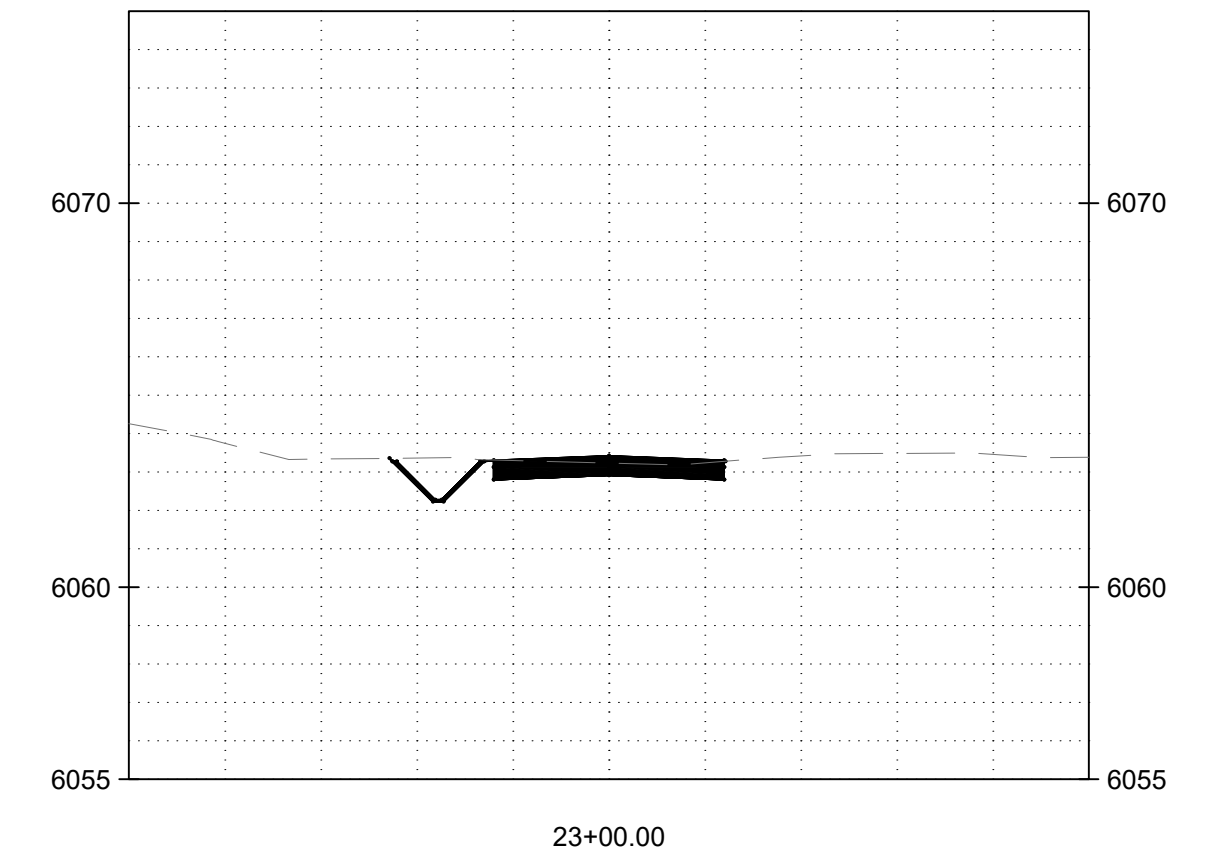
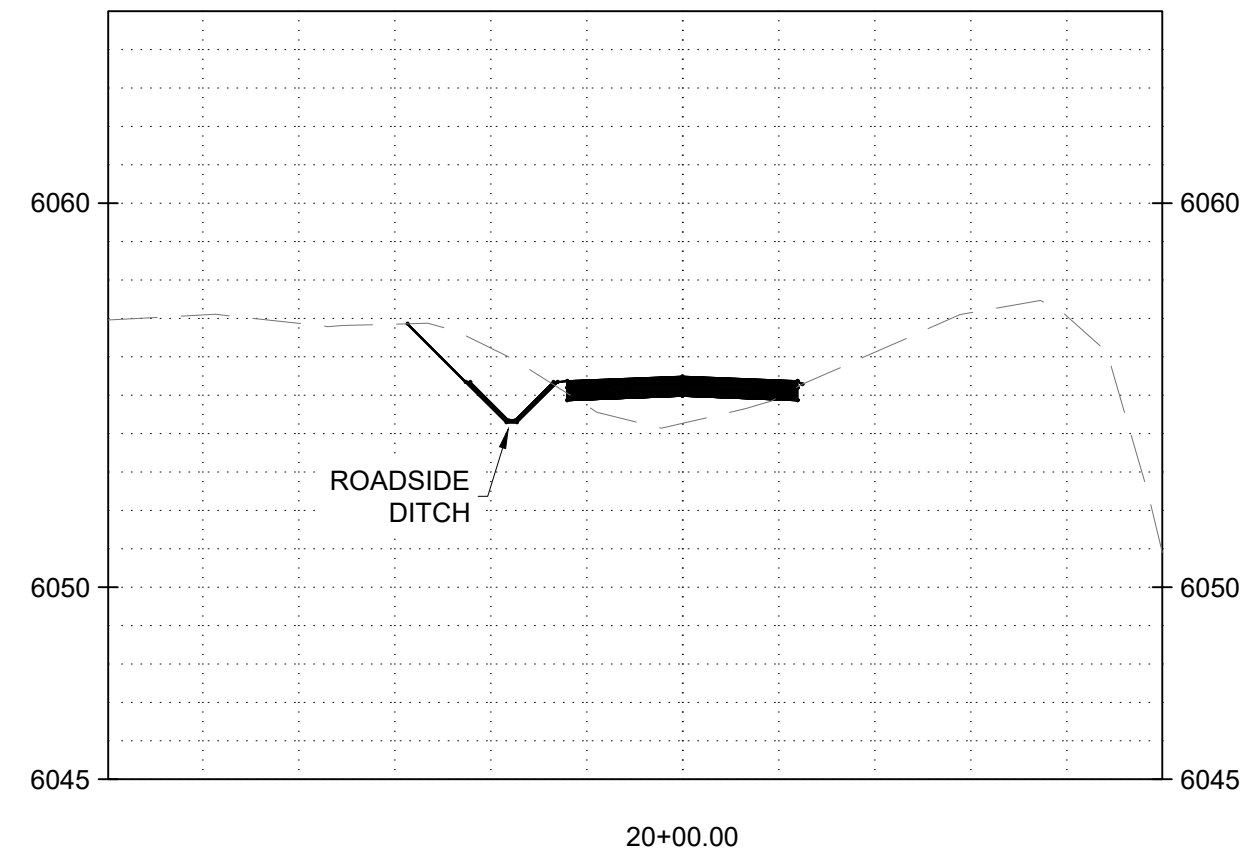
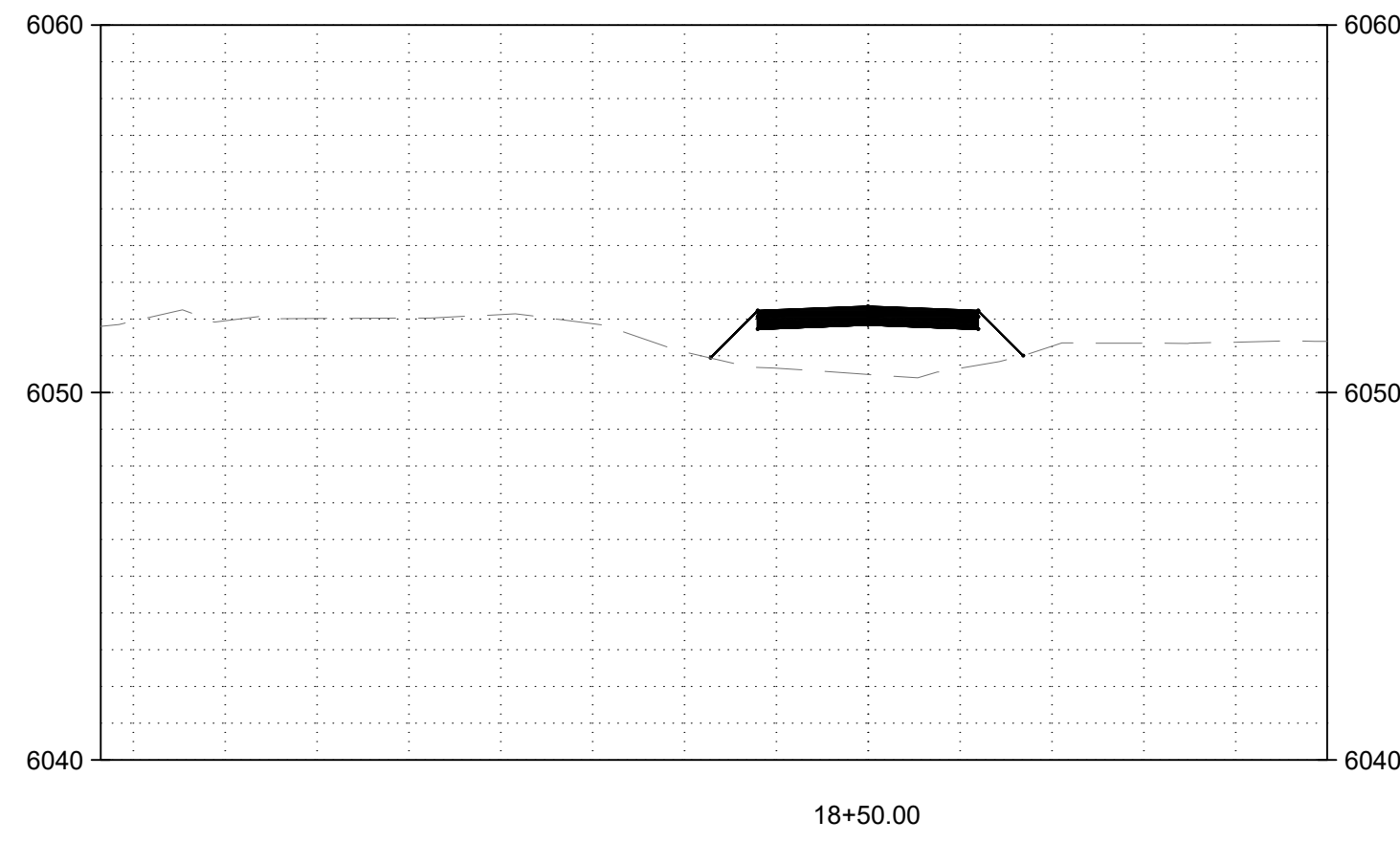
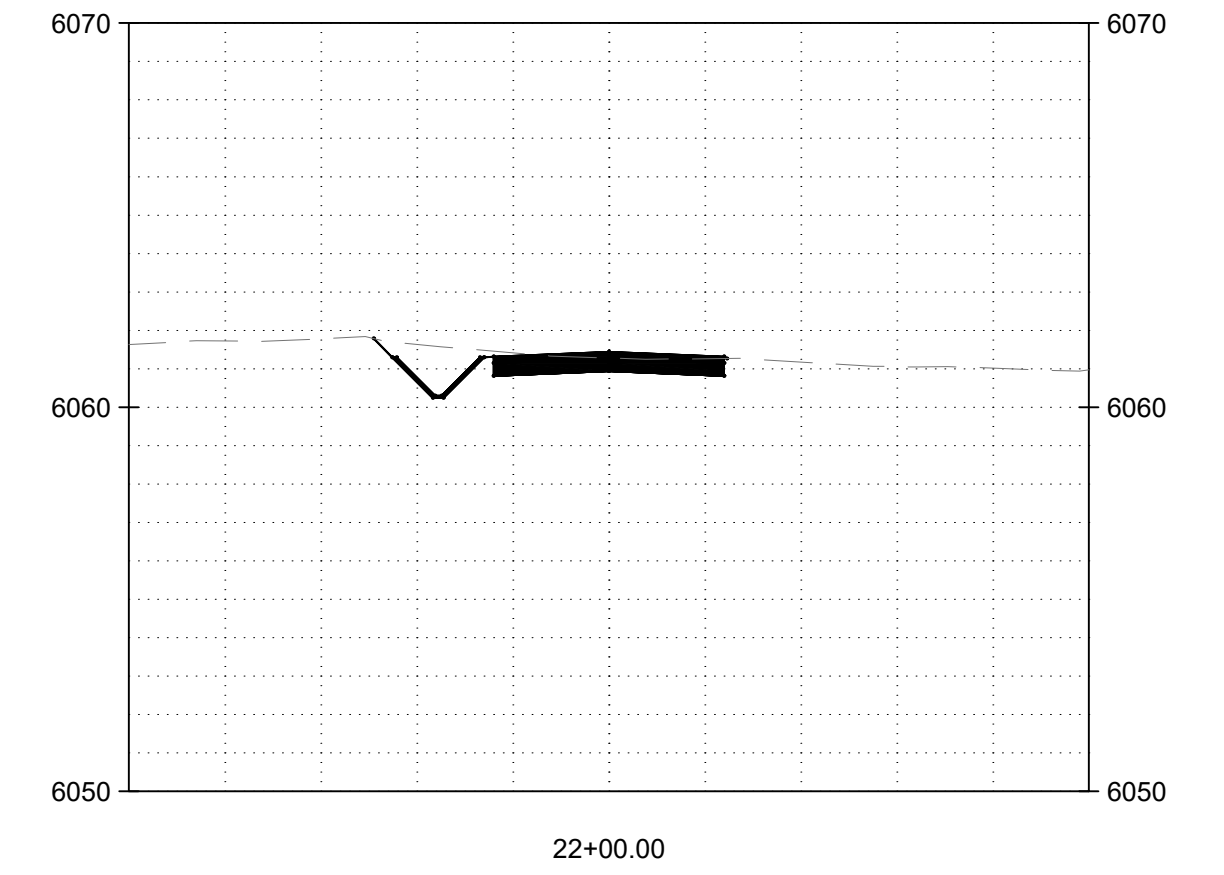
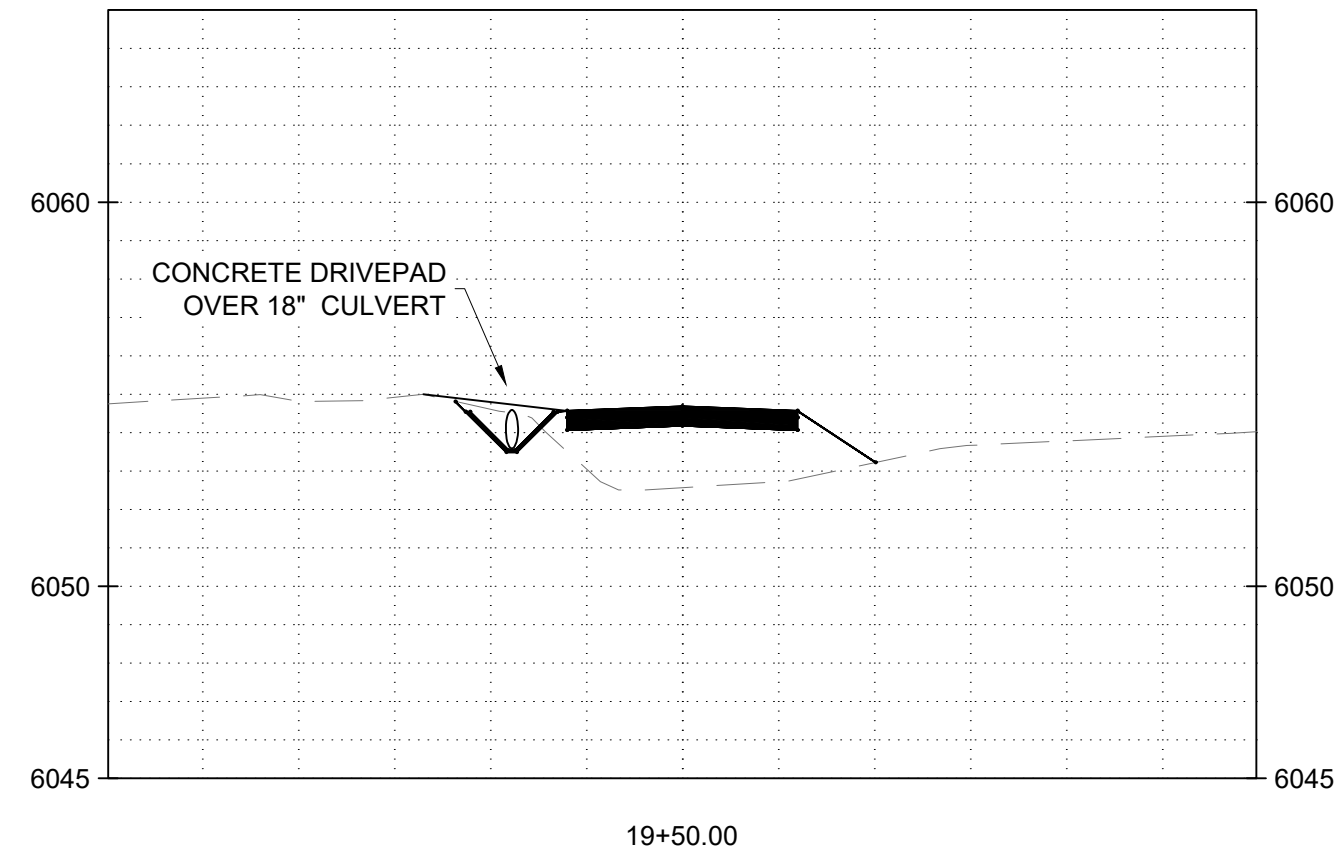
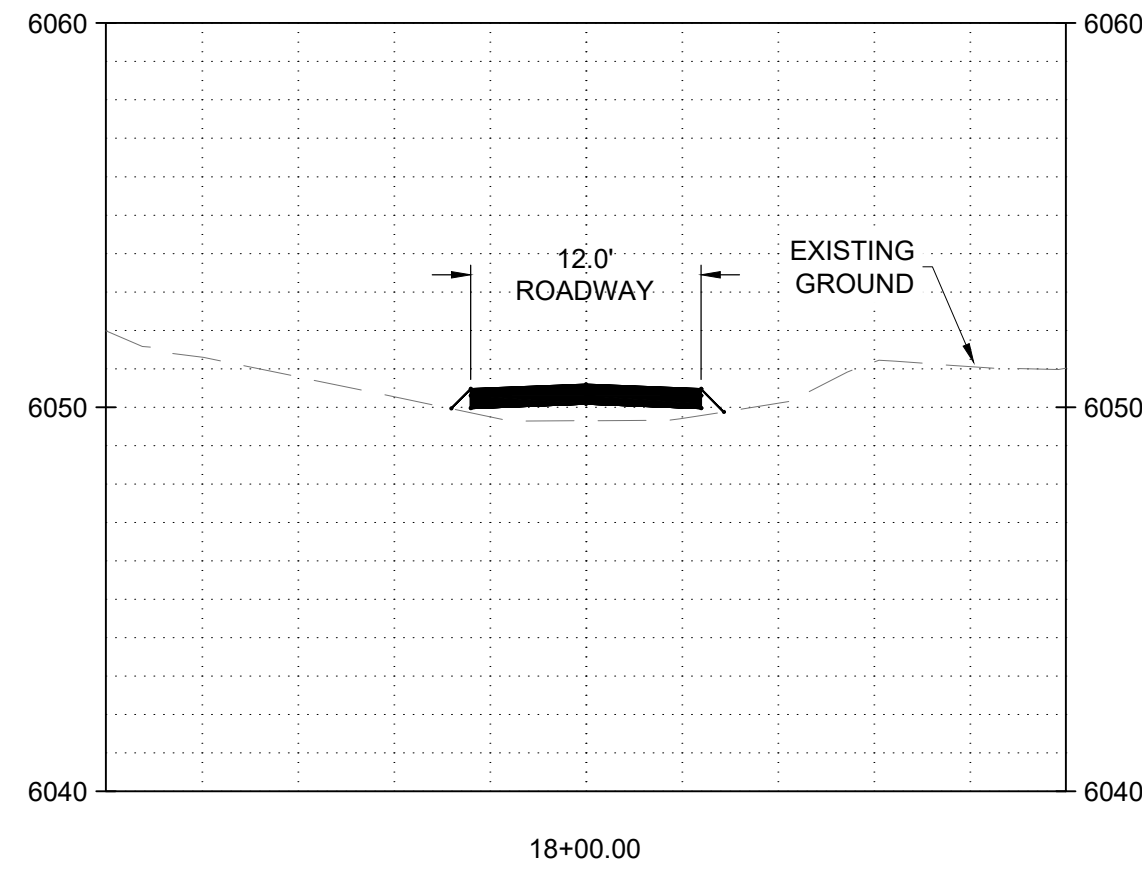
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	AUG 24	CLIENT APPROVALS	DATE
DES. ENG.	SLJ	AUG 24			
PROJ. ENG.	RGE	AUG 24			
PROJ. MGR.	TDB	AUG 24			
APPROVED					
APPROVED					

FIREHOUSE LANE AREA
FIREHOUSE LANE
CROSS SECTIONS (1 OF 2)

DRAWN	RW	DATE	---	DWG. NO.	C109	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	43	OF	76



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION

VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

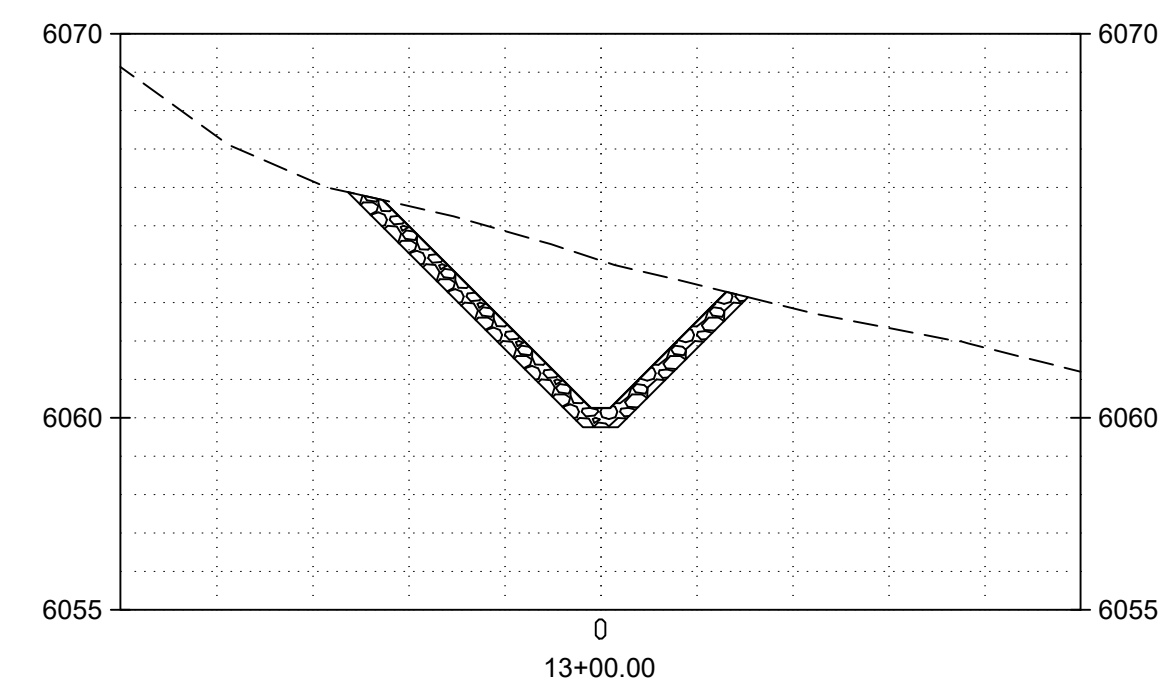
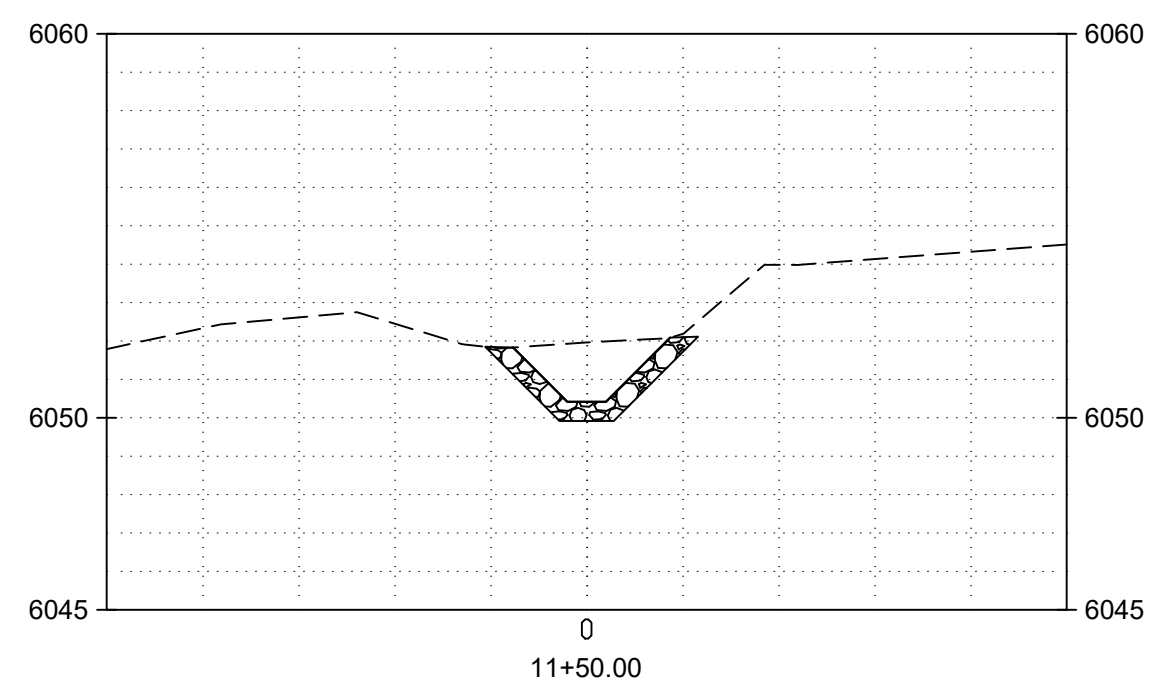
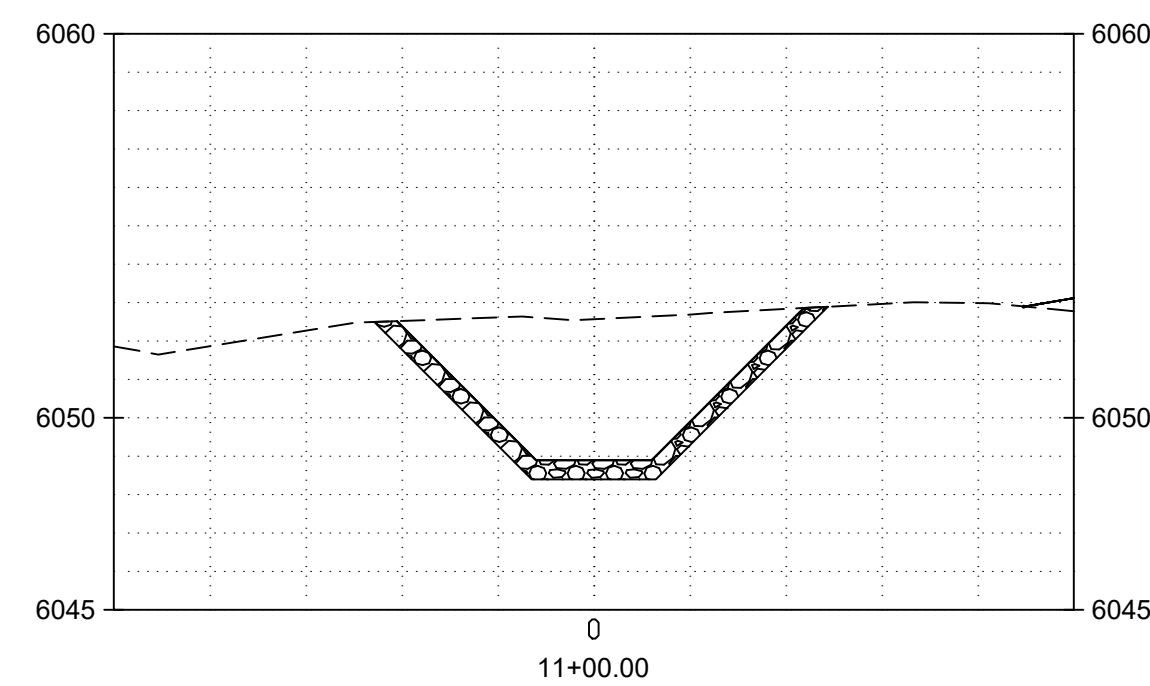
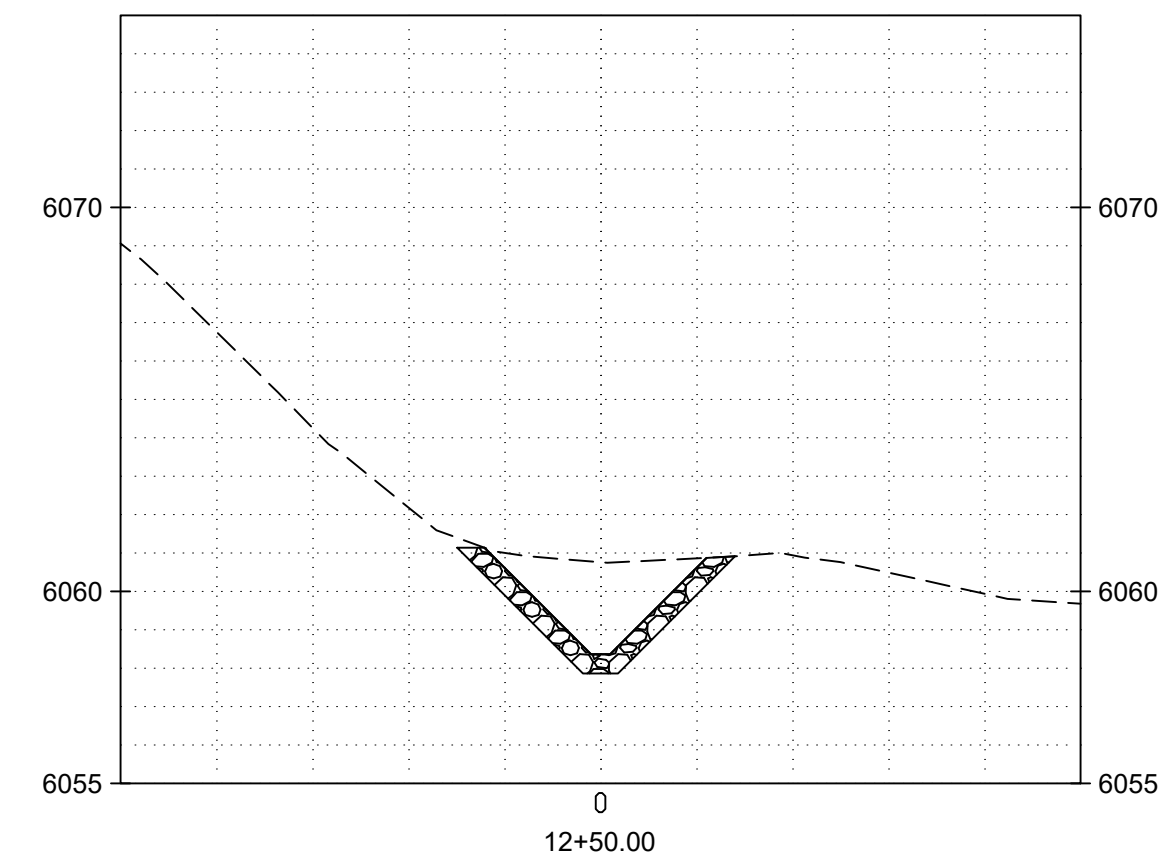
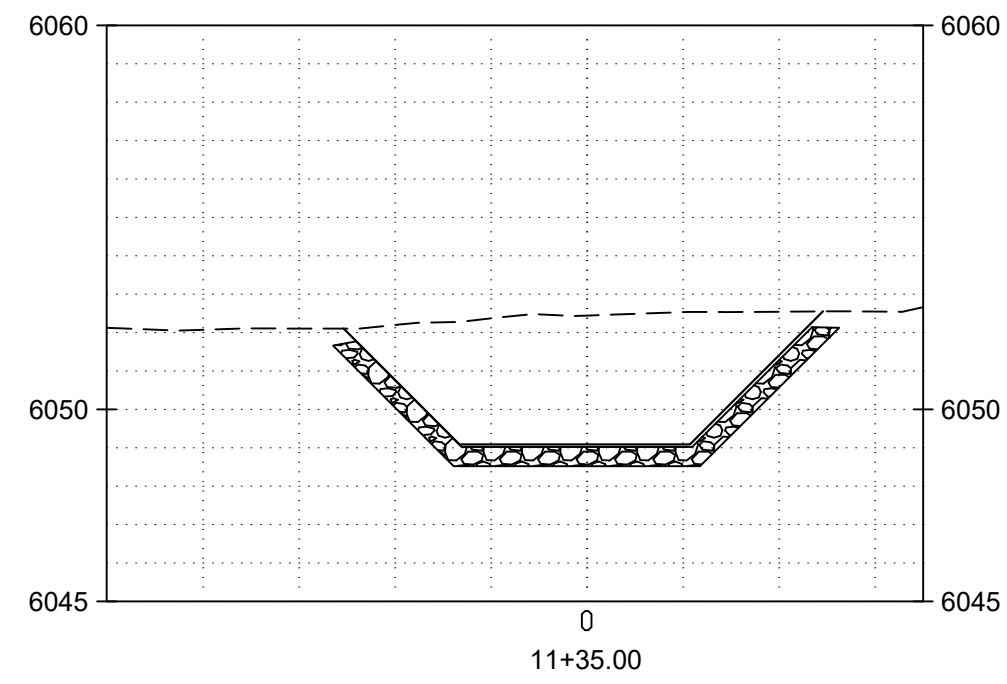
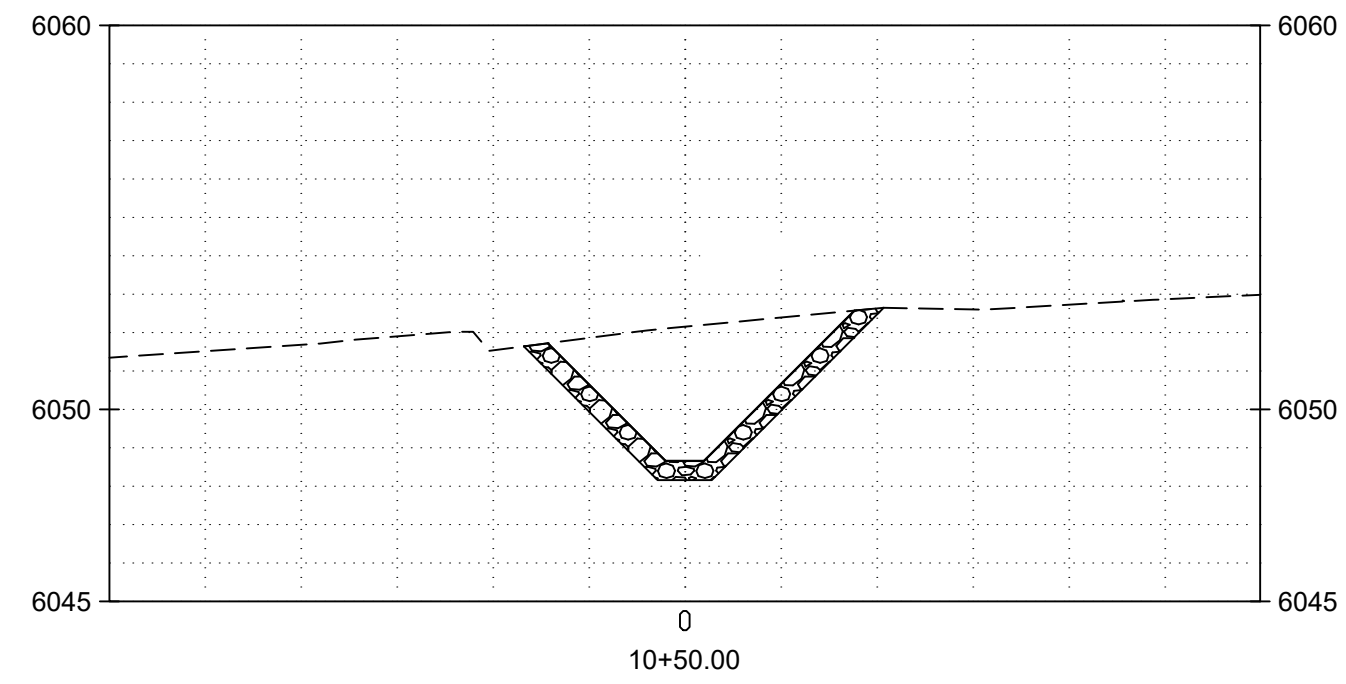
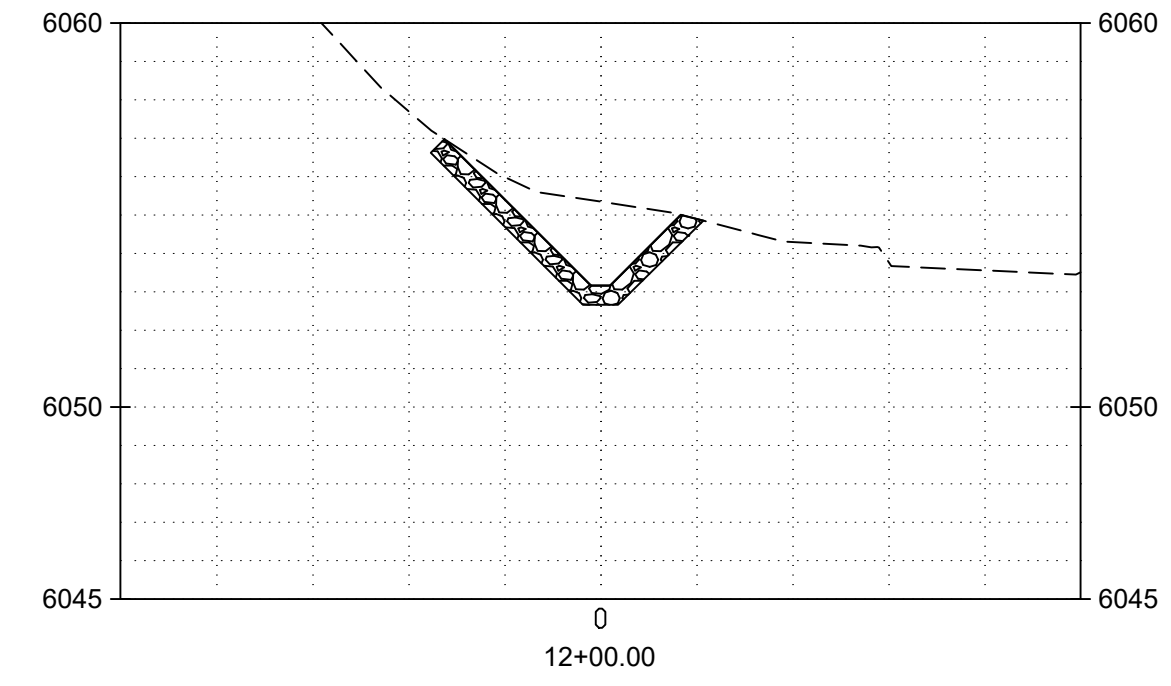
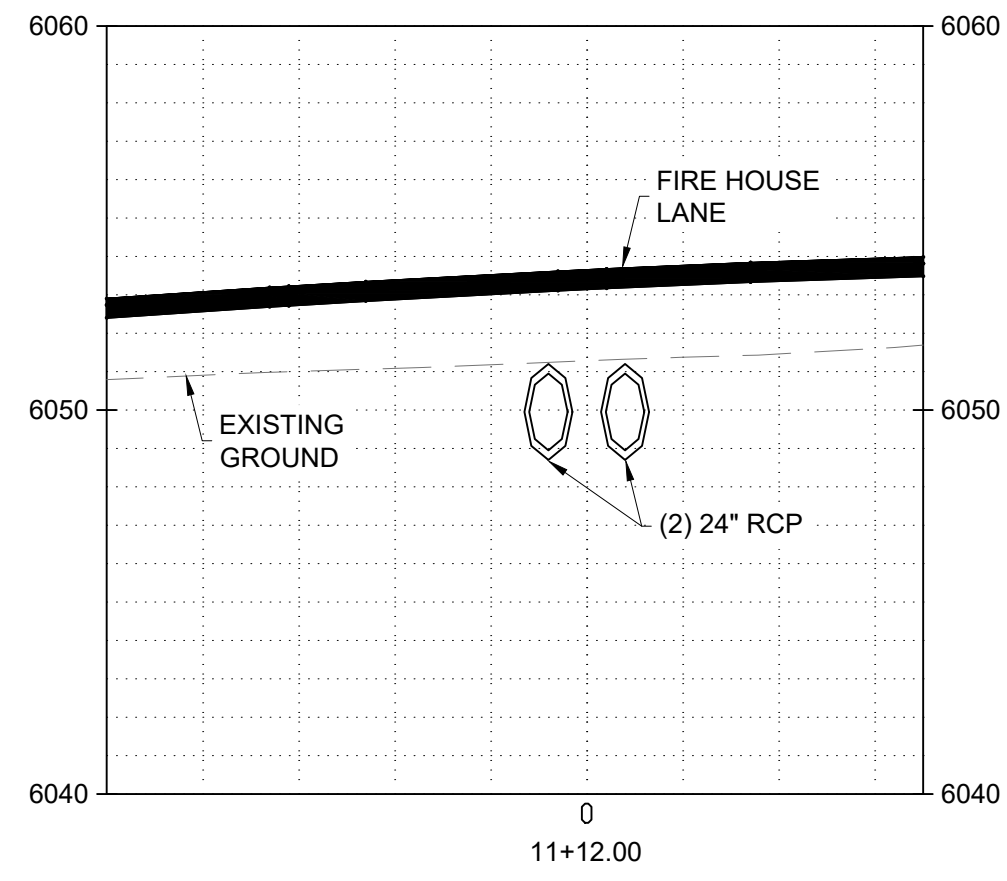
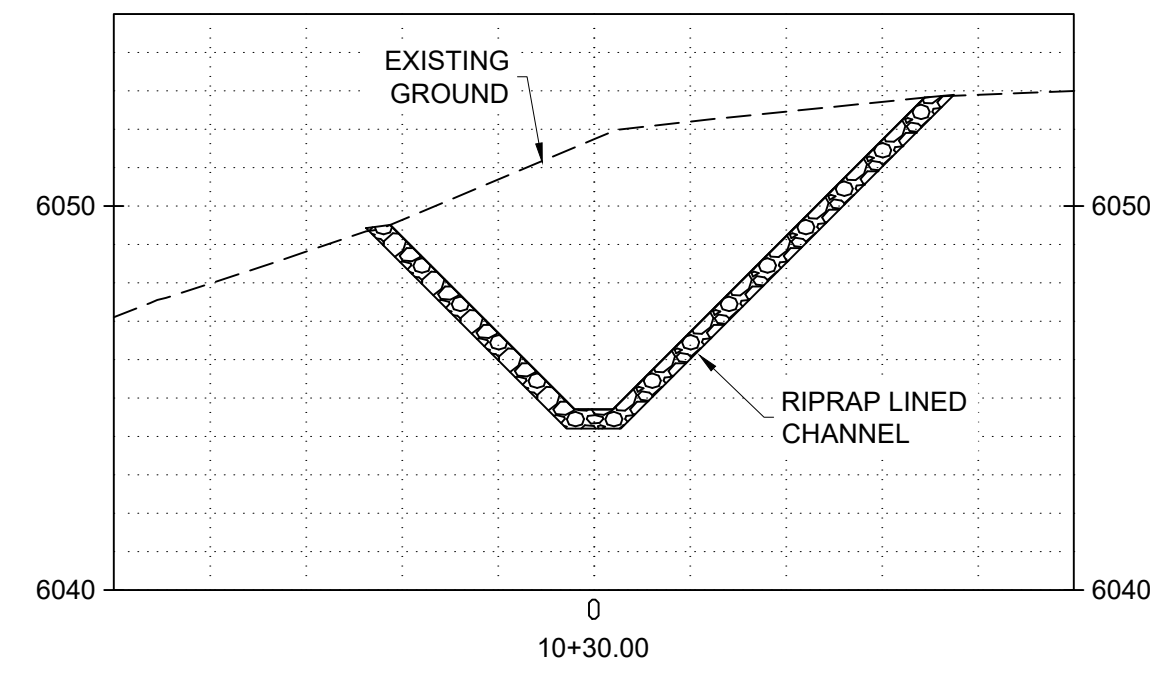
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	AUG 24	CLIENT APPROVALS	DATE
DES. ENG.	SLJ	AUG 24			
PROJ. ENG.	RGE	AUG 24			
PROJ. MGR.	TDB	AUG 24			
APPROVED					
APPROVED					

FIREHOUSE LANE AREA
FIREHOUSE LANE
CROSS SECTIONS (2 OF 2)

DRAWN	RW	DATE	---	DWG. NO.	C110	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	44	OF	76



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NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION

VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

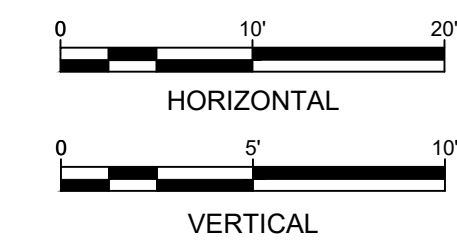
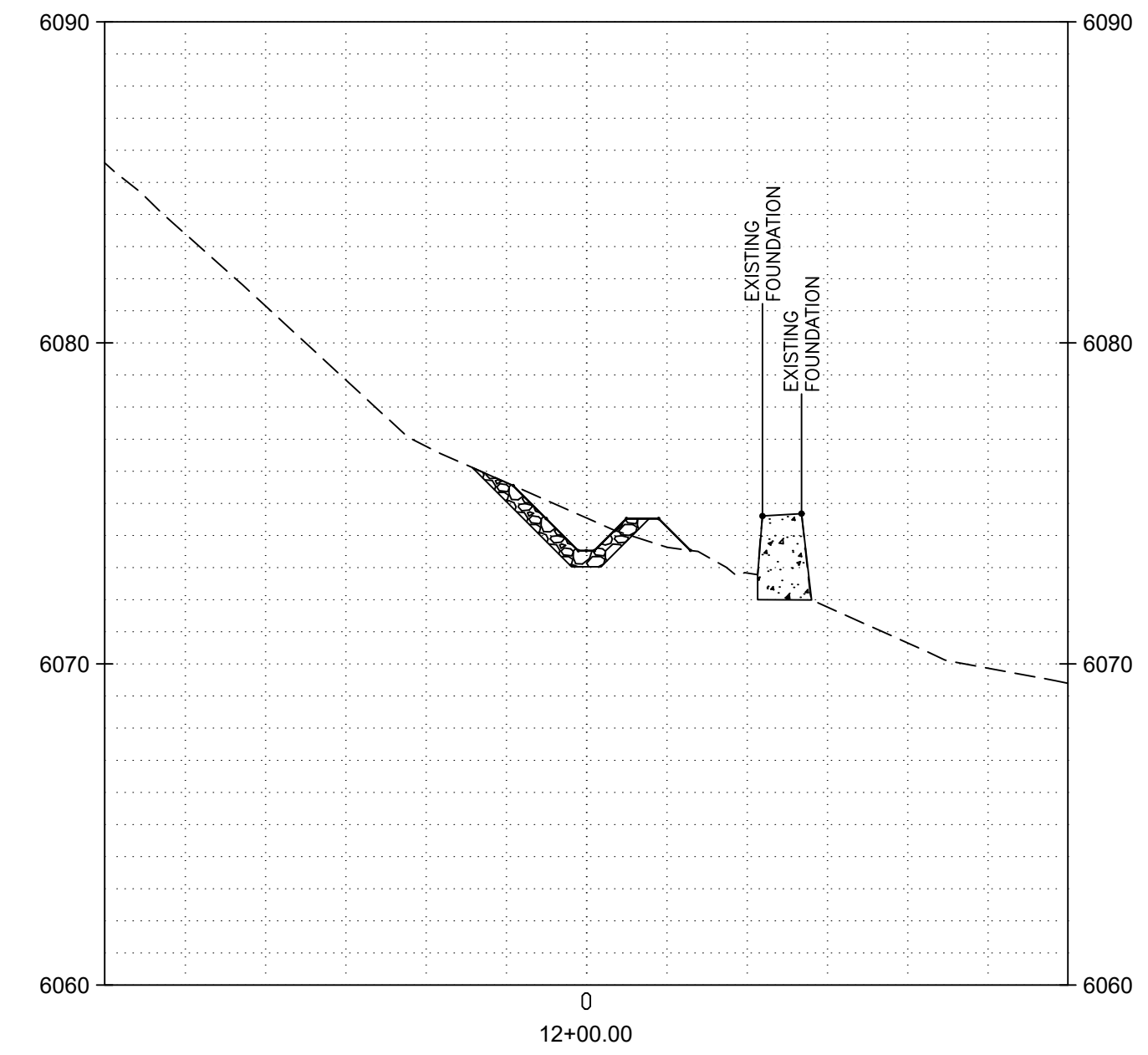
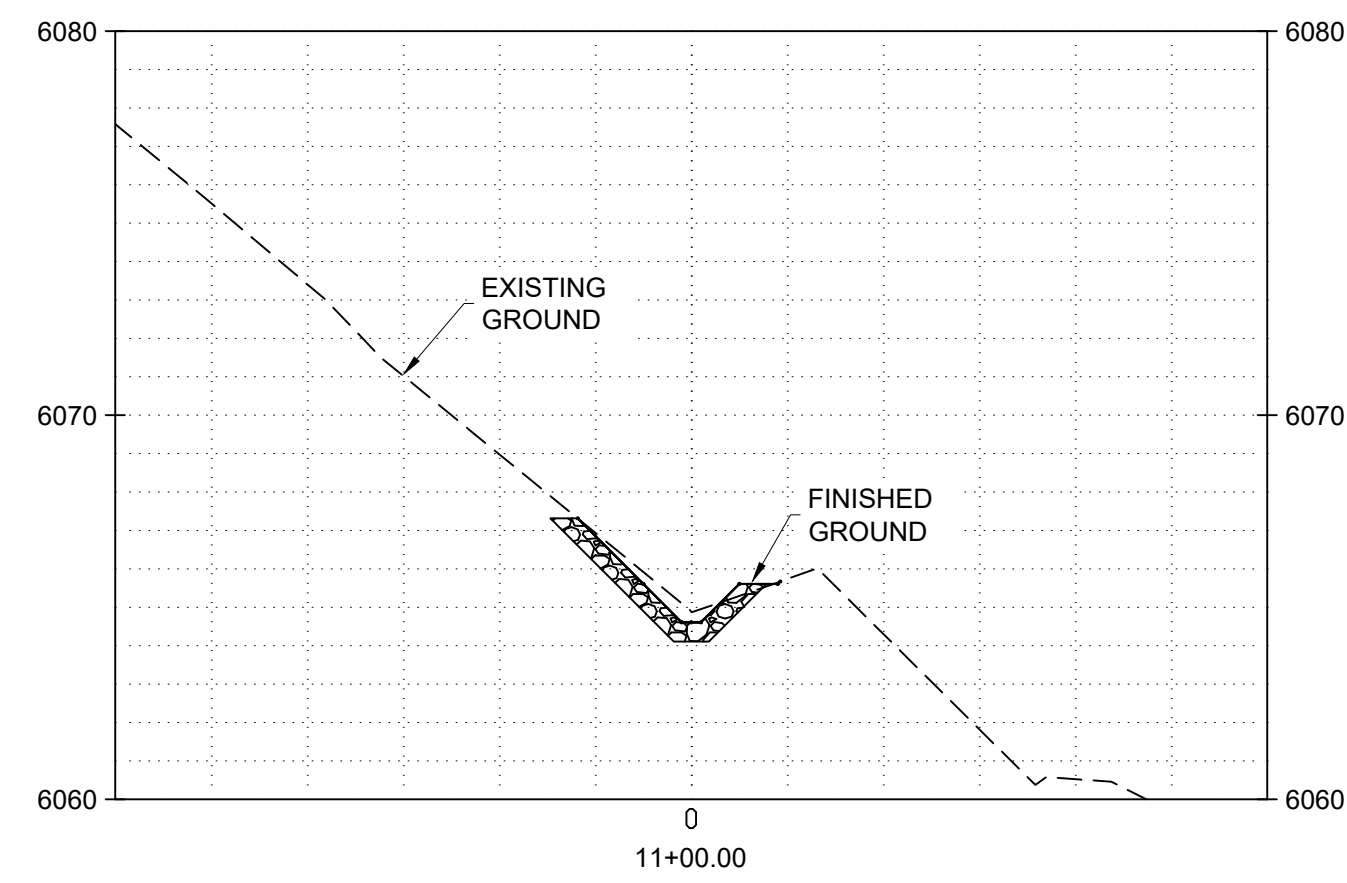
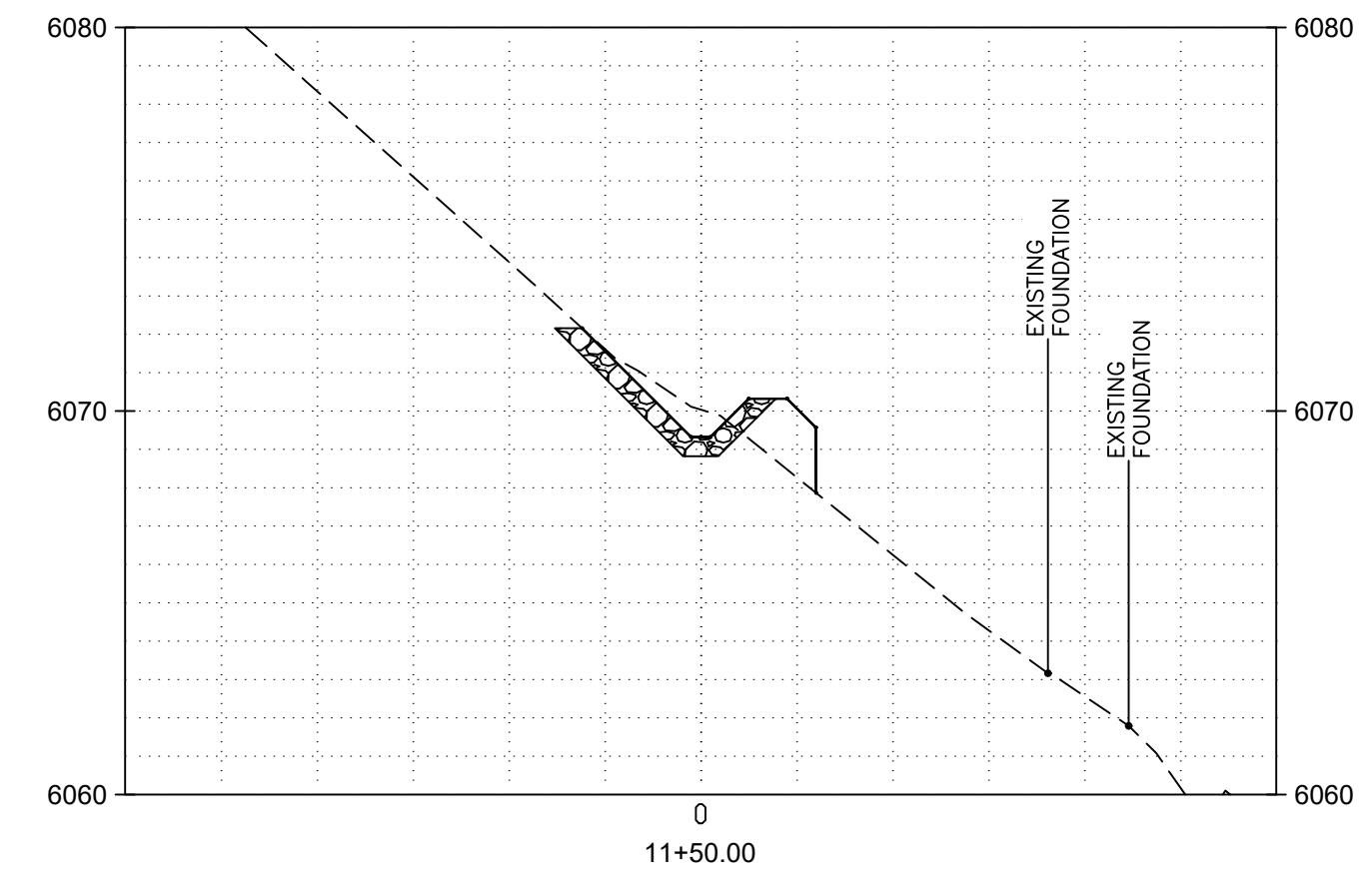
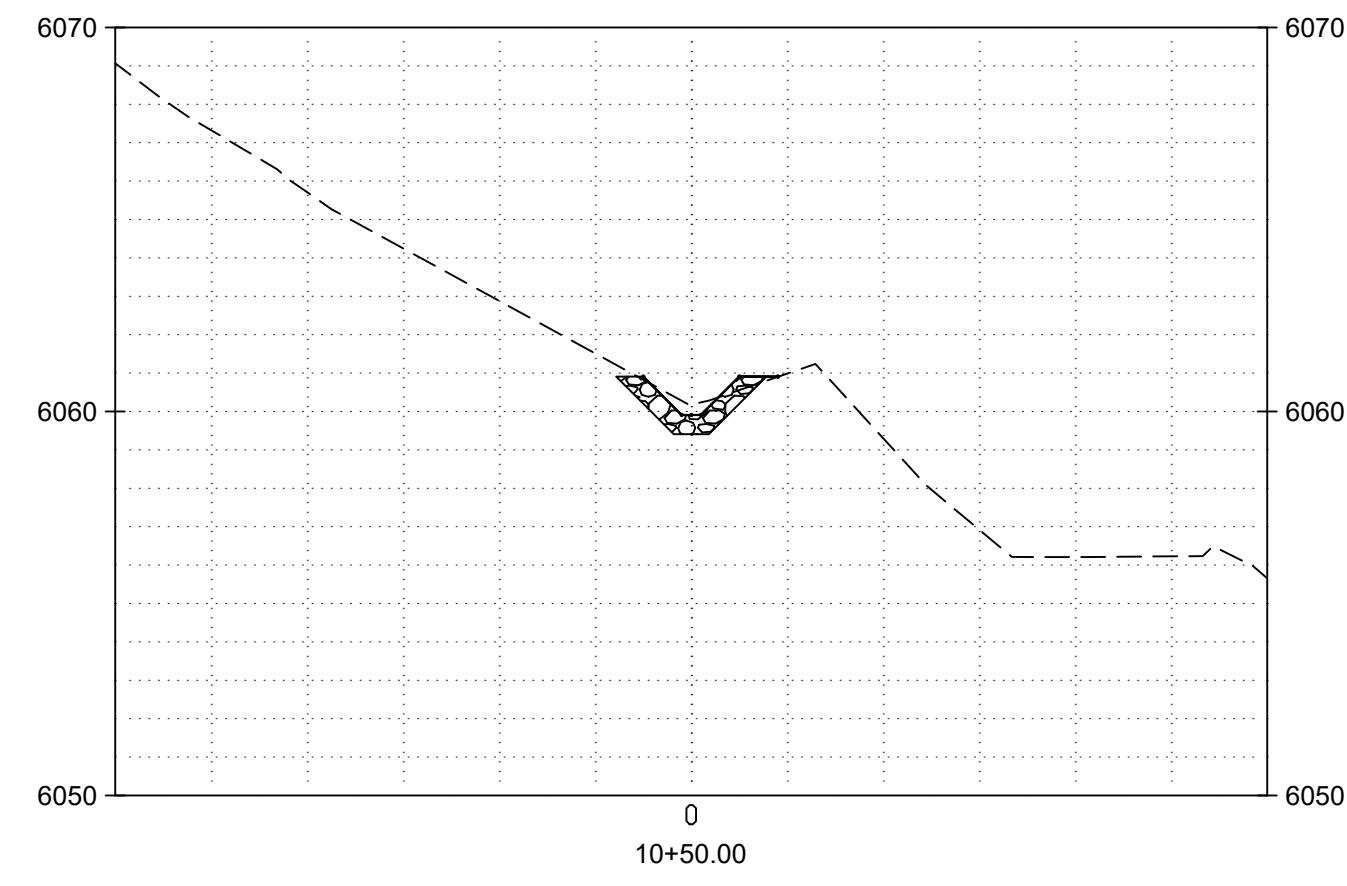
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	CLIENT APPROVALS	DATE
DES. ENG.	SLJ	AUG 24		
PROJ. ENG.	RGE	AUG 24		
PROJ. MGR.	TDB	AUG 24		
APPROVED				
APPROVED				

FIREHOUSE LANE AREA
FIREHOUSE INTERCEPTOR
CROSS SECTIONS

DRAWN	RW	DATE	---	DWG. NO.	C111	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	45	OF	76



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION

VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

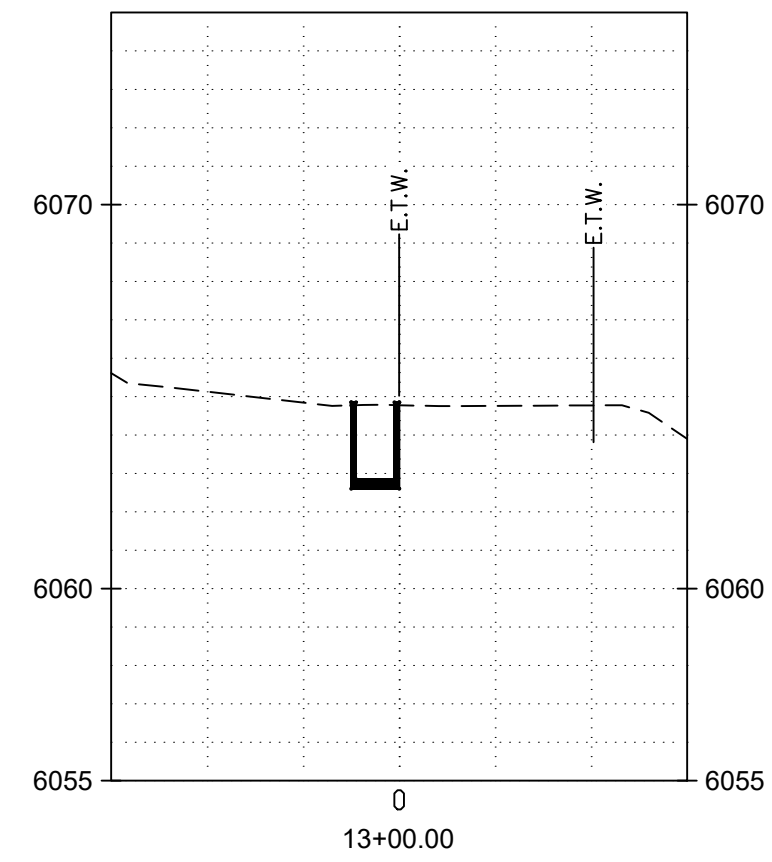
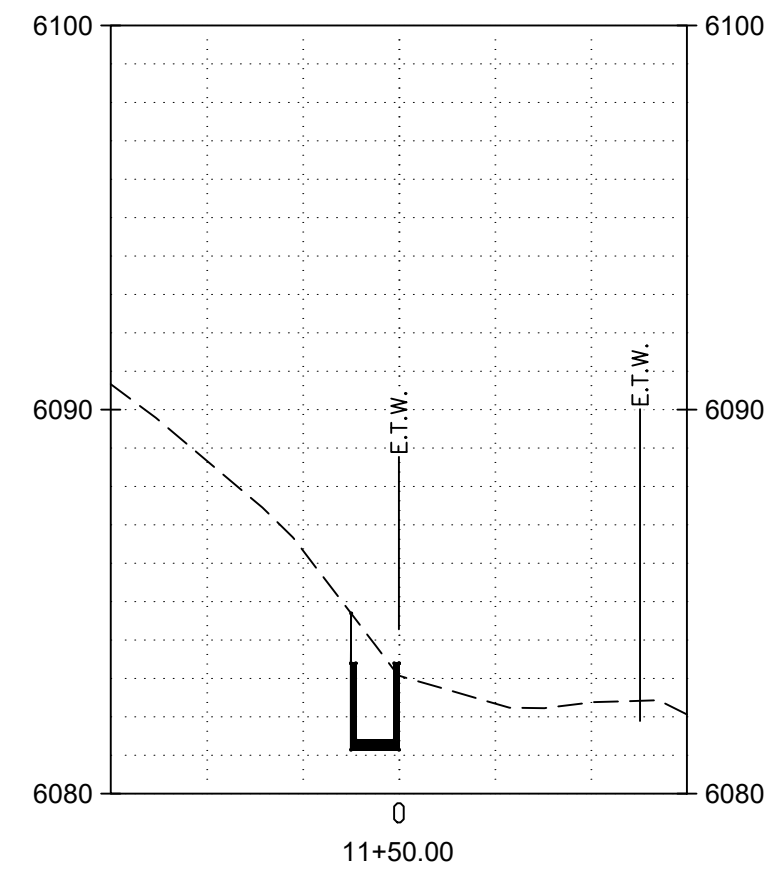
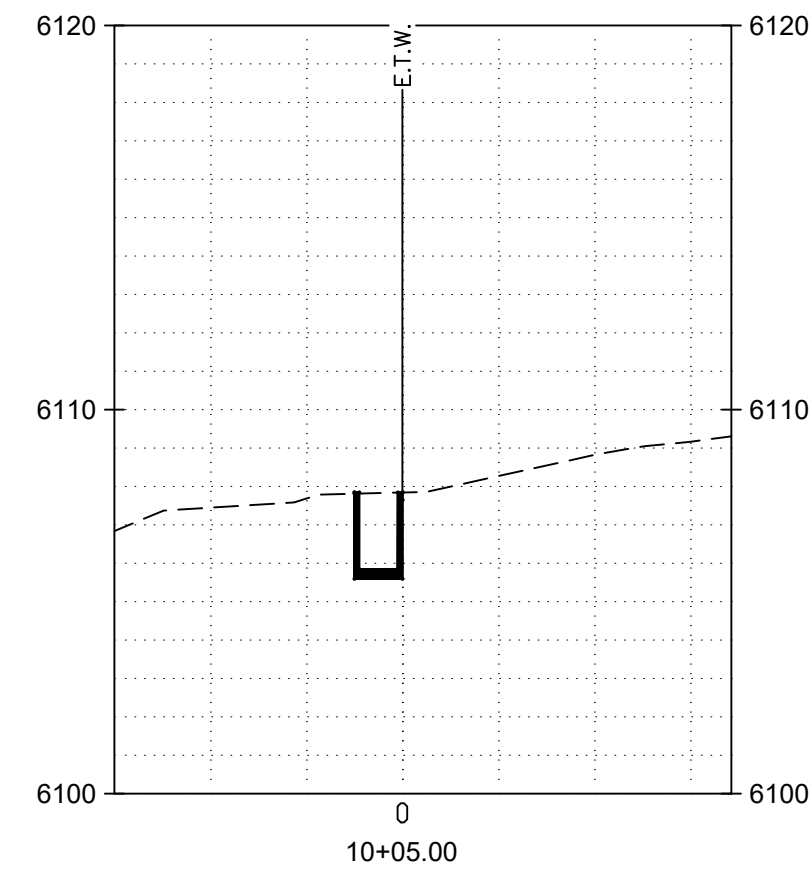
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ALBUQUERQUE NEW MEXICO

CHECKED	NAH	DATE	AUG 24	CLIENT APPROVALS	DATE
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APPROVED					
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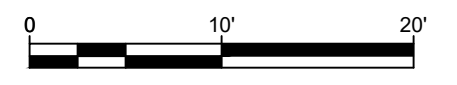
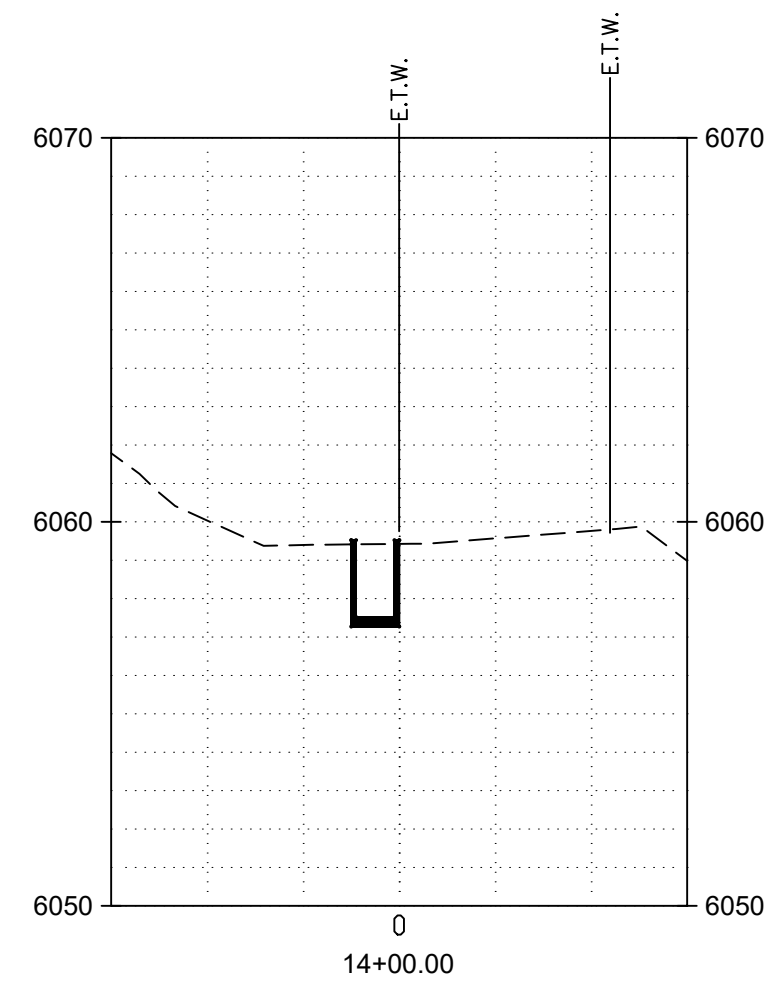
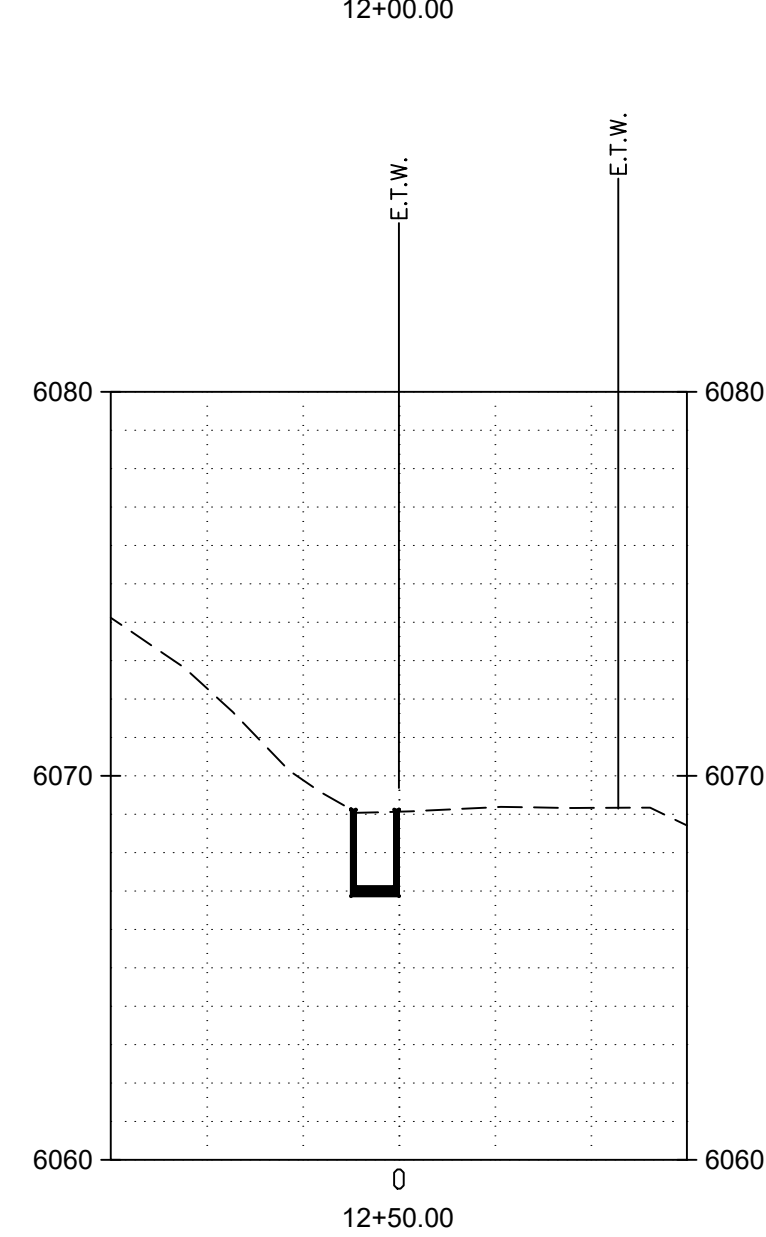
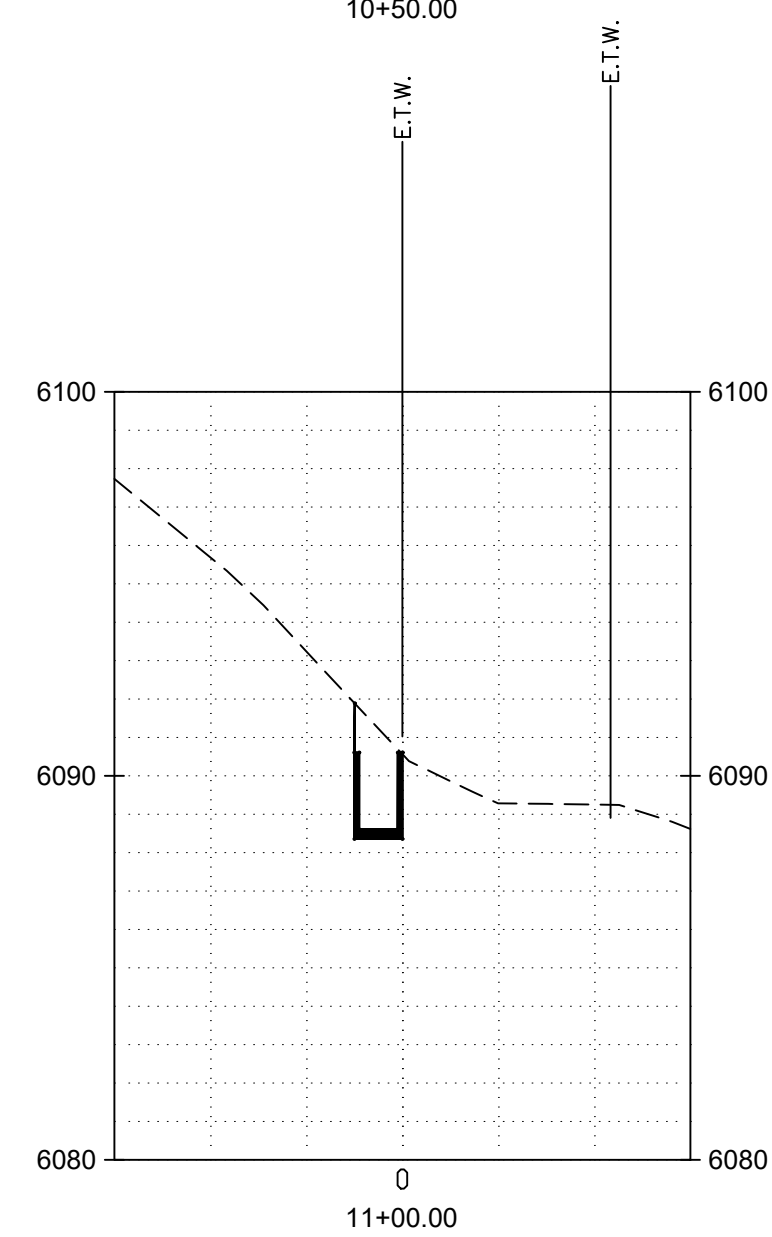
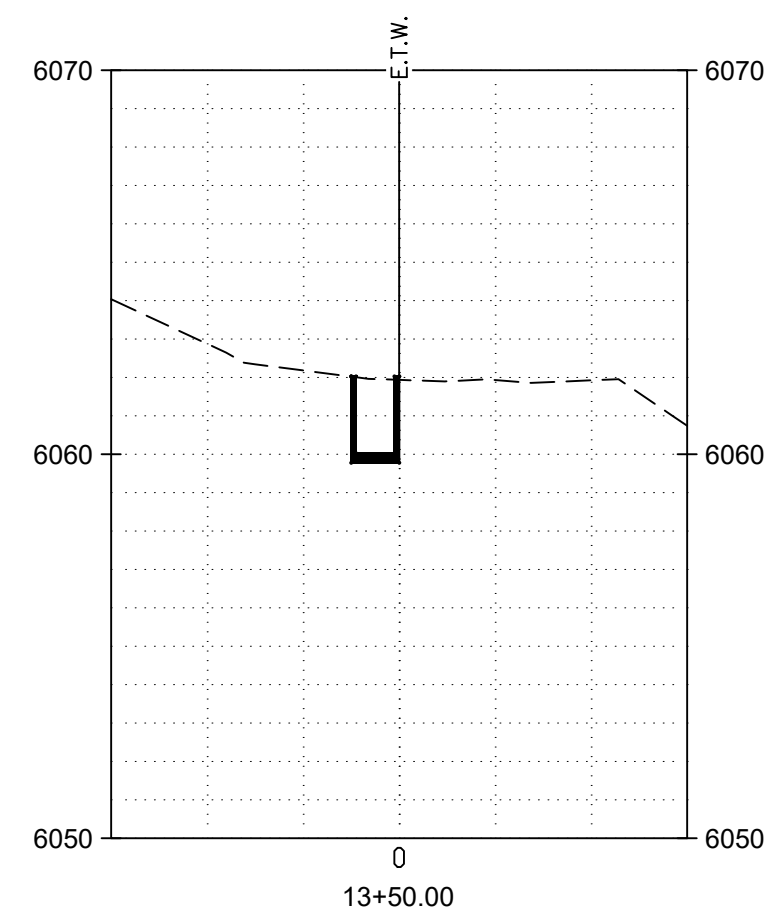
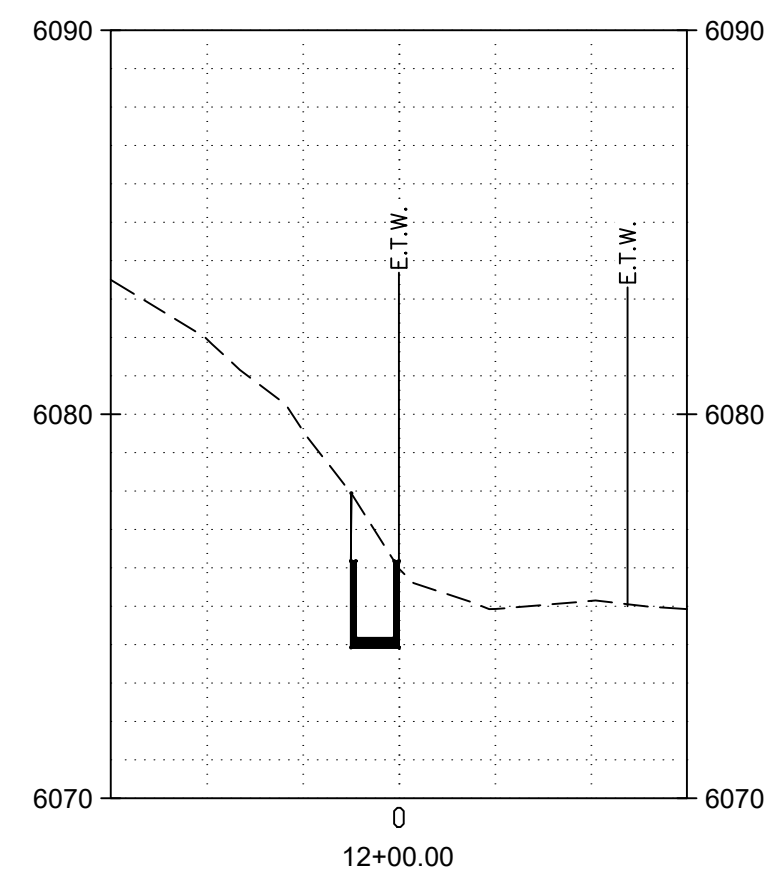
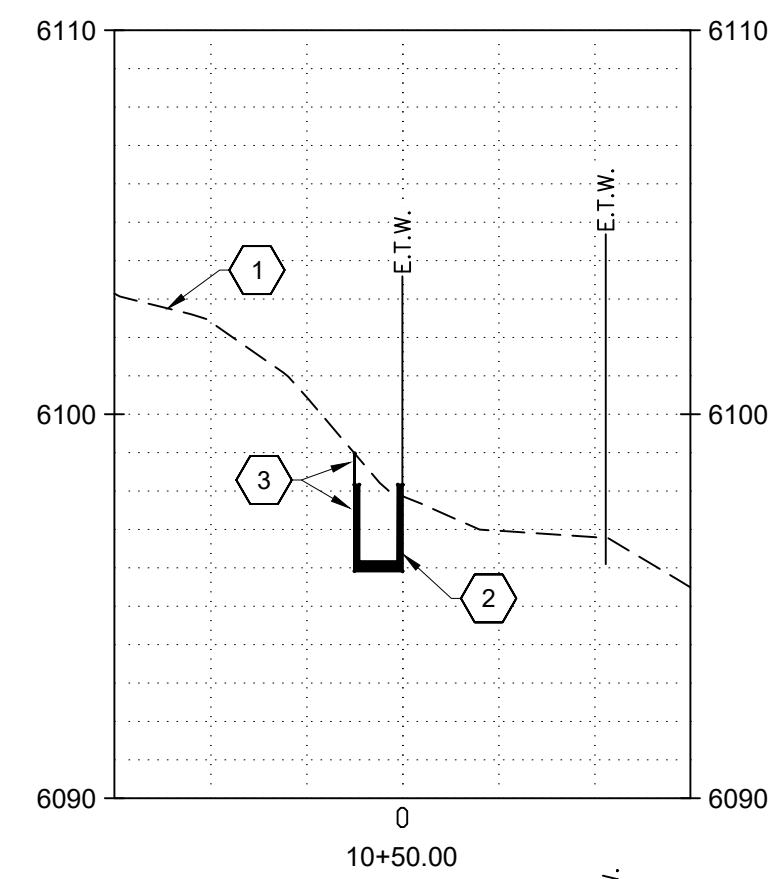
FIREHOUSE LANE AREA
MISSING LINK CHANNEL
CROSS SECTIONS

DRAWN	RW	DATE	---	DWG. NO.	C112	REV. NO.	A
SCALE		W.O. NO.	15740.001.003	SHT.	46	OF	76



KEYED NOTES

1. EXISTING GROUND.
2. PROPOSED 2 FT X 2 FT RECTANGULAR CONCRETE CHANNEL.
3. EXTEND CONCRETE WALL TO MEET EXISTING GROUND. HEIGHT VARIES.



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NO.	DATE	APPR	REVISION	NO.	DATE	APPR	REVISION
A	5/10/24		100% DRAFT- ISSUED FOR REVIEW				

VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

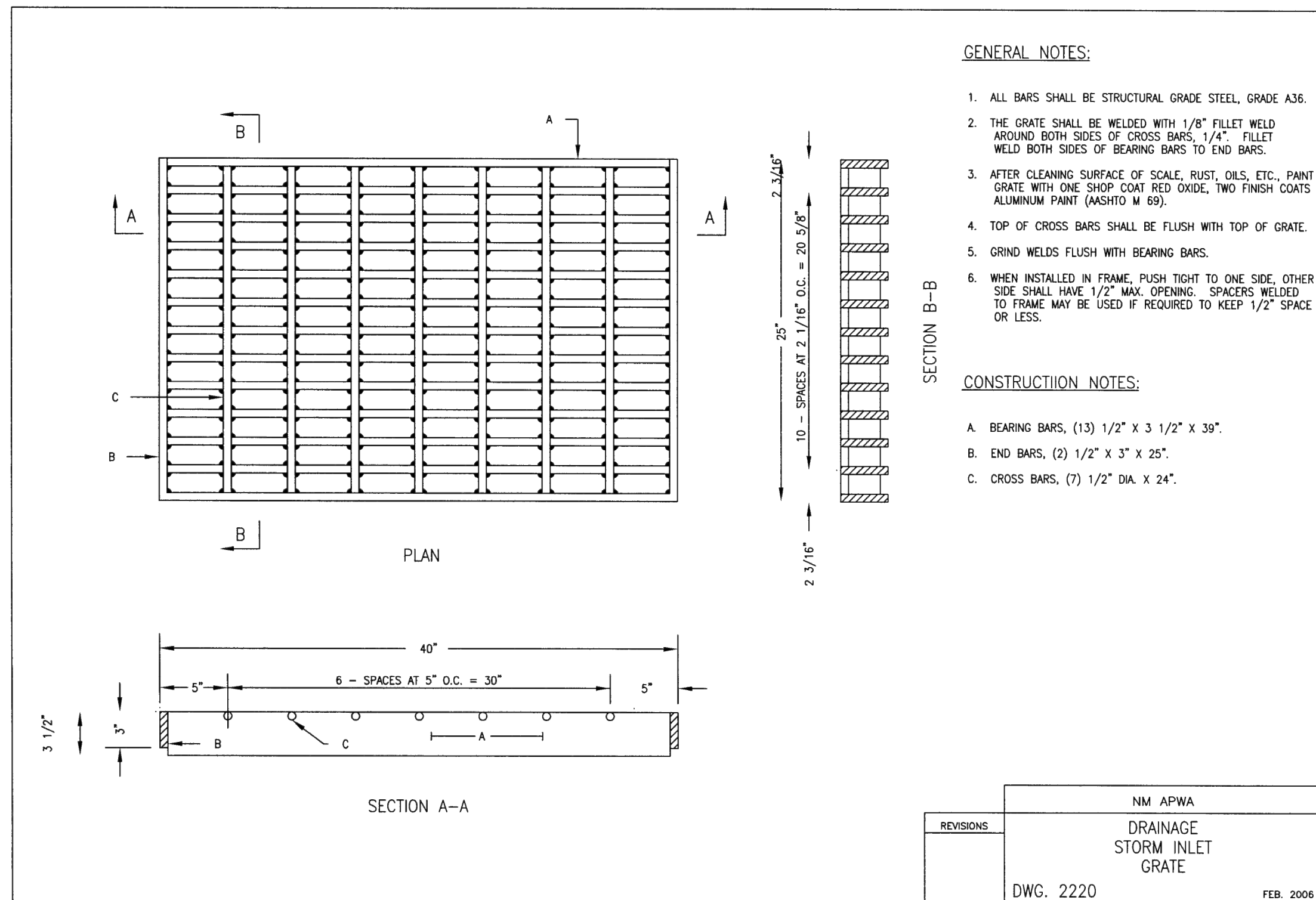
WESTON SOLUTIONS

ALBUQUERQUE NEW MEXICO

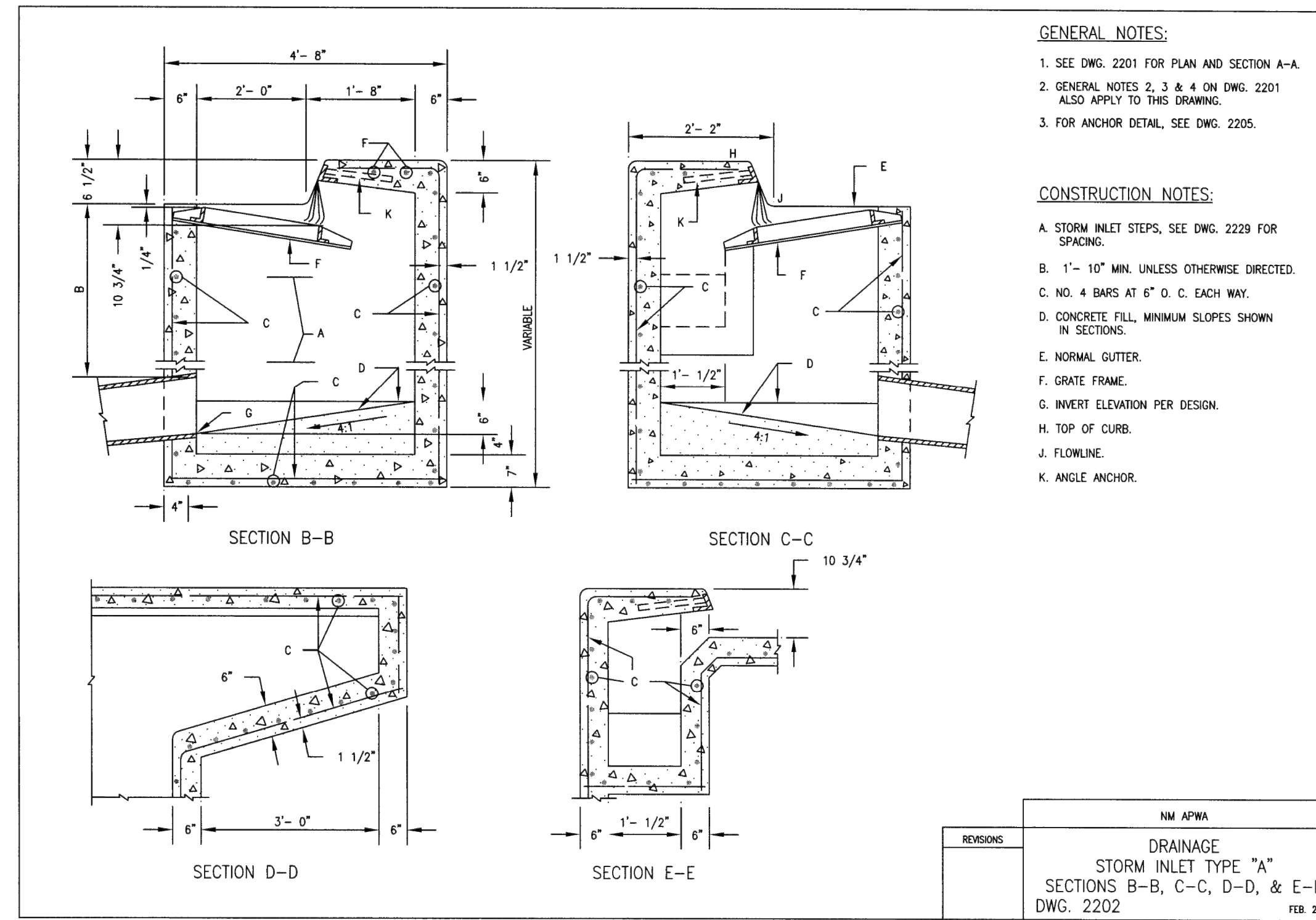
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NAH	AUG 24		
DES. ENG.	SLJ		
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APPROVED			
APPROVED			

EAST SLOPE SOUTH
DOMINGUEZ ROAD CHANNEL
CROSS SECTIONS

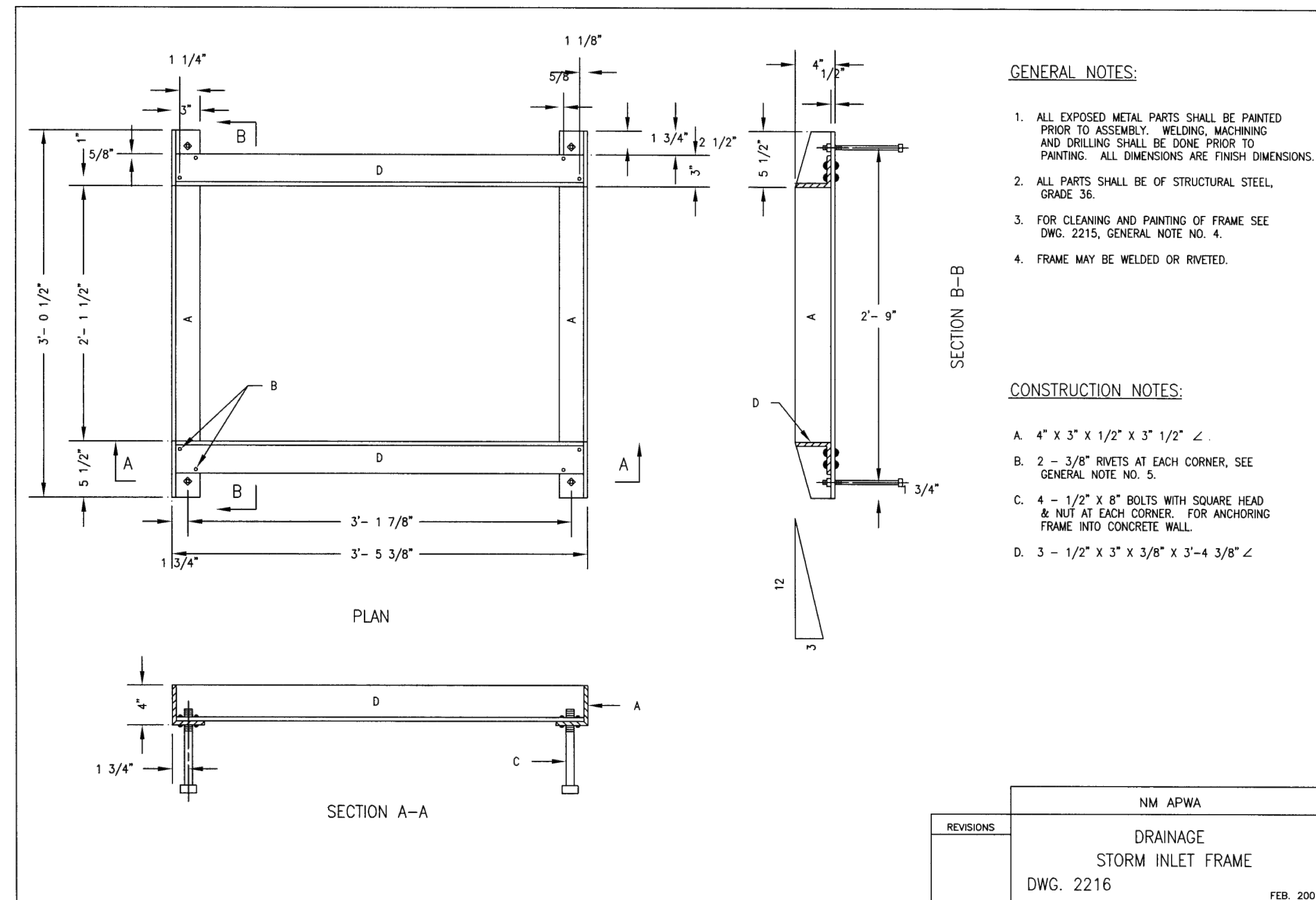
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SCALE		W.O. NO.		15740.001.003		SHT.	47 OF 76



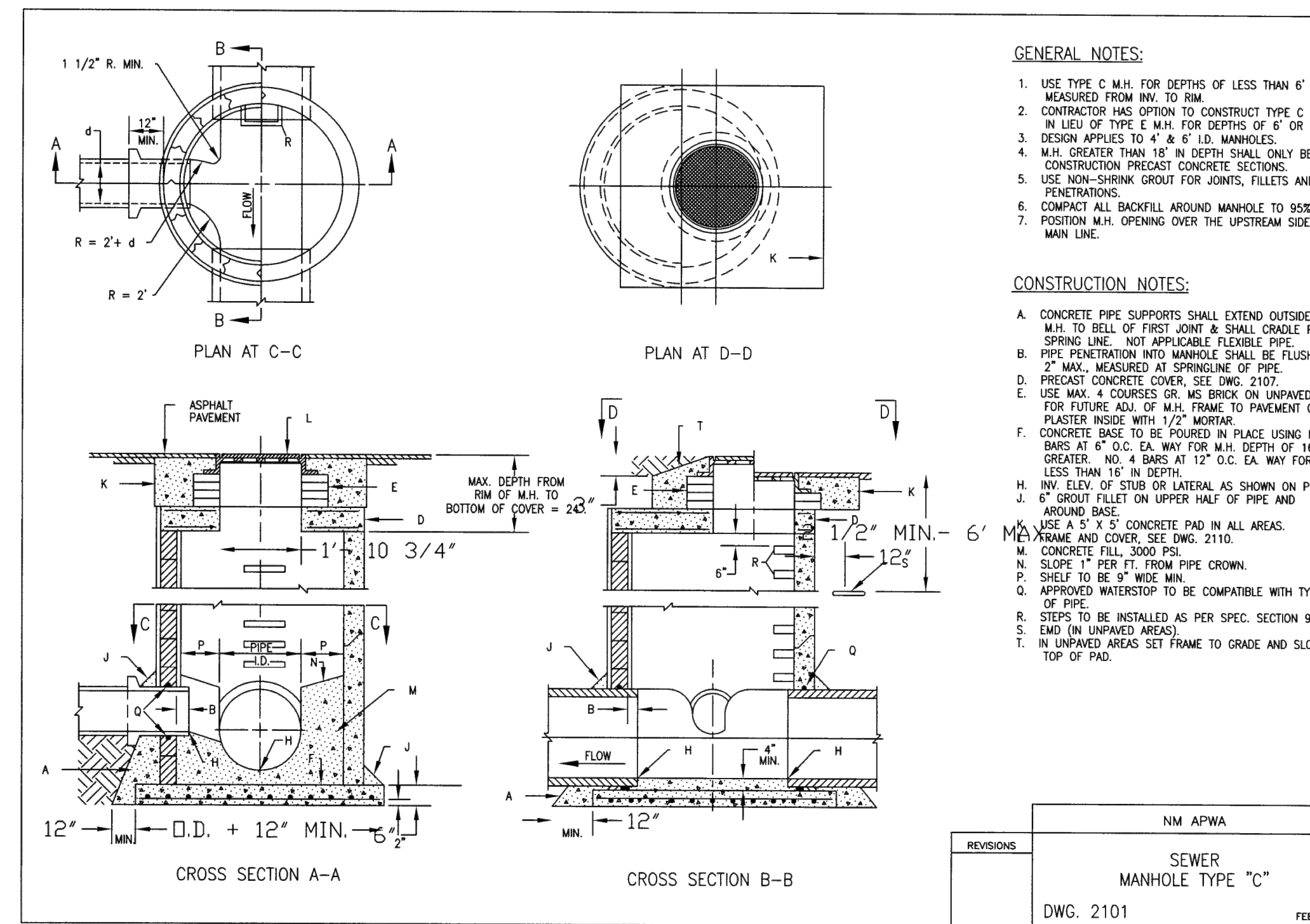
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2 STORM INLET (TYPE A) NM APWA STANDARD DETAIL



3 STORM INLET FRAME NM APWA STANDARD DETAIL



4 SEWER MANHOLE TYPE C NM APWA STANDARD DETAIL

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NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION

VILLAGE OF MADRID, NM
STORM WATER & EROSION CONTROL PROJECT

MADRID NEW MEXICO

ALBUQUERQUE NEW MEXICO

CHECKED	DATE	CLIENT APPROVALS	DATE
NAH	AUG 24		
DES. ENG.	SLJ		
PROJ. ENG.	RGE		
PROJ. MGR.	TDB		
APPROVED			
APPROVED			

STANDARD DRAWINGS (1 OF 4)			
DRAWN	RW	DATE	---
SCALE		W.O. NO.	
DWG. NO.	C601		REV. NO. A
SHT.	15740.001.003	73	OF 76

