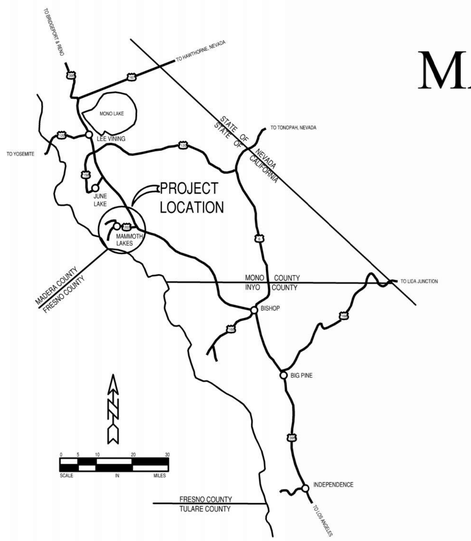
MAMMOTH COMMUNITY WATER DISTRICT

MAMMOTH LAKES, CALIFORNIA

PLANS FOR CAMPUS PAVEMENT REHAB & DRAINAGE



AREA MAP

SHEET INDEX

SYMBOLS & LINES

- AIR/VACUUM RELEASE VALVE — AVR
- BLOWOFF VALVE — B
- HYDRANT-EXISTING
- HYDRANT-PROPOSED
- GRIND-PROPOSED
- RESTRAINED JOINT ZONE
- SEWER CLEANOUT — CO
- SEWER MANHOLE — S
- STORM DRAIN — SD
- UTILITY MANHOLE
- WATER METER-EXISTING — W
- WATER METER-PROPOSED — W
- WATER VALVE-EXISTING
- WATER VALVE-PROPOSED
- CURB STOP-EXISTING
- CURB STOP-PROPOSED
- DROP INLET — DI
- DRY WELL — DW
- EDGE OF PAVEMENT — EP
- PROPERTY LINE/RIGHT OF WAY — PL
- SEWER LINE — S — S
- STORM DRAIN — SD — SD
- WATER LINE-EXISTING — W — W
- WATER LINE-PROPOSED — W — W
- WATER LINE-ABANDONED — ABND W

VICINITY MAP

N

NTS

ABBREVIATIONS

ACP	ASBESTOS CONCRETE PIPE
AC	ASPHALT CONCRETE
BF	BLIND FLANGE
BG	BELOW GRADE
CIP	CAST IRON PIPE
CL	CENTER LINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CORP	CORPORATION VALVE
CU	COPPER
DI	DRAIN INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
E	ELECTRIC
EP	EDGE OF PAVEMENT
EX	EXISTING
FHL	FIRE HYDRANT LATERAL
FL	FIELD LOCK
FLG	FLANGE
FSL	FIRE SERVICE LATERAL
GIP	GALVANIZED IRON PIPE
GR	GRIP RINGS
GV	GATE VALVE
HYD	FIRE HYDRANT
IPT	IRON PIPE THREAD
IRR	IRRIGATION
MAX	MAXIMUM
MCWD	MAMMOTH COMMUNITY WATER DISTRICT
MGR	MANAGER
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
NOM	NOMINAL
NTS	NOT TO SCALE
PE	POLYETHELENE PIPE PER AWWA C901
PL	PROPERTY LINE
PP	POWER POLE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE PIPE
RG	RESTRAINING GLAND
ROW	RIGHT OF WAY
SCE	SOUTHERN CALIFORNIA EDISON
STDN	STORM DRAIN
SD	STANDARD DETAIL
SDR	STANDARD DIMENSION RATIO
SL	SEWER LATERAL
S	SANITARY SEWER
STA	STATION
STL	STEEL
SVC	SERVICE
TELE	COMMUNICATIONS/TELEPHONE
TEMP	TEMPORARY
TOP	TOP OF PIPE
TYP	TYPICAL
W	WATER
WSL	WATER SERVICE LATERAL

Submitted By:

Garrett Higerd
R.C.E. #C70926

Date 5/23/2024

REVISIONS	DATE	BY
1	6/13	NF

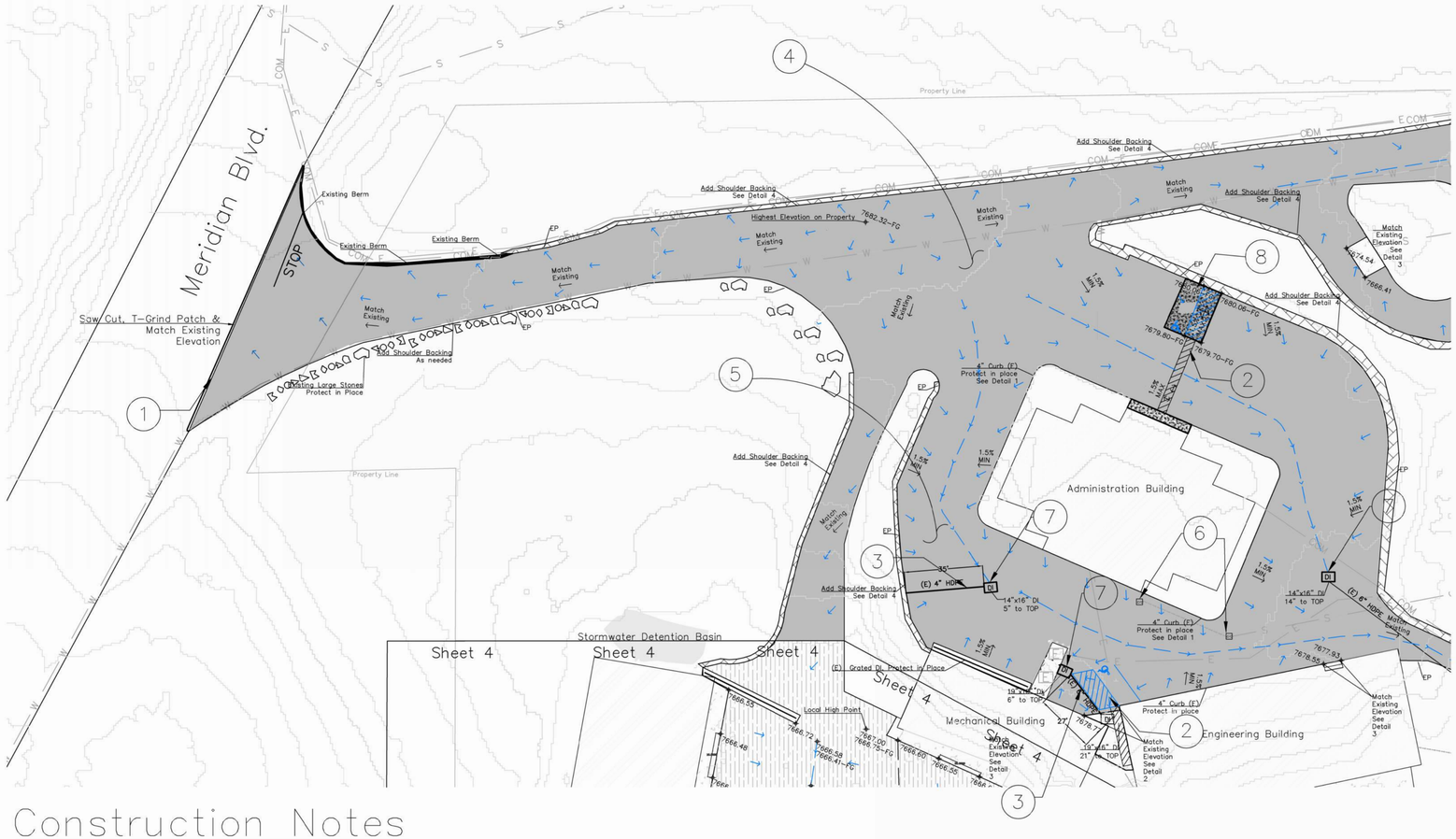
Title Sheet

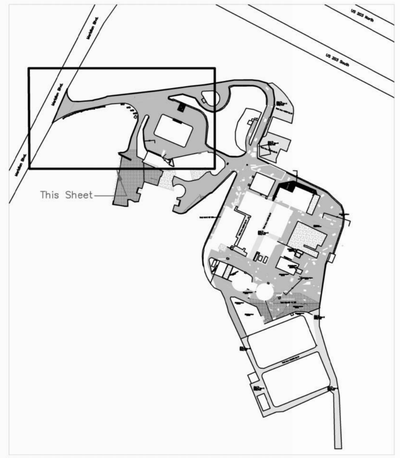
Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

DRAWN: NEF
CHECKED: GRH
DATE: 5/24/2024
PROJECT NUMBER: 24A02
SCAN NUMBER: -
SHEET NO.: 1

1 OF 12 SHEETS





LOCATION MAP

Legend

- Flow Path
- Slope Direction
- Existing Concrete
- Existing Building
- Communications Vault
- Electrical Vault
- Drop Inlet
- Shoulder Backing to Be Installed
- FDR Area
- Type II Slurry Seal

Construction Notes

1. Saw Cut and rotomill 2" deep, 12" wide to create a T-patch transition. Match existing elevation and grade.
2. Grade shall be no more than 1.5% in any direction along ADA path of travel and passenger loading zone. Entrance to building shall have ADA compliant Truncated Domes. Install ADA parking and path of travel per Caltrans Standard Plan A90A.
3. Remove and replace 4" HDPE with 6" HDPE. Match existing slope. Lower below FDR Depth.
4. Full Depth Reclamation (FDR) Total of 49,174 SQ FT of pulverizing and new HMA.
5. Parking lot slopes shall approximately match and maintain existing flow paths. Slopes shall exceed 1.5% except for ADA parking and path of travel.
6. Lower surface features prior to pulverization.
7. Remove & Replace drainage drop inlets with new ~~19"x16"~~ 1 16"x16" drop inlets.
8. Pour 24'x18' Concrete Pad in the location of the Disabled Parking Space and Passenger Unloading. Pad should be 6" thick with #4 Rebar 24" OC.

Surface Features Requiring Lowering	Total
Sewer Clean Out	2

Surface Features To Be Removed & Replaced	Total
Drop Inlet	3

Piping to be Installed	LF
6" HDPE	62

HMA Totals for Sheet	Total
HMA TONS	1226
CONCRETE CY	8

N

0 60 120 Feet

Submitted By:

Garrett Higerd
R.C.E. #C70926

Date 5/23/2024

REVISIONS	DATE	BY
1	6/13	NF

Grading & Drainage 1

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
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(760) 934-2596 FAX: (760) 934-2143

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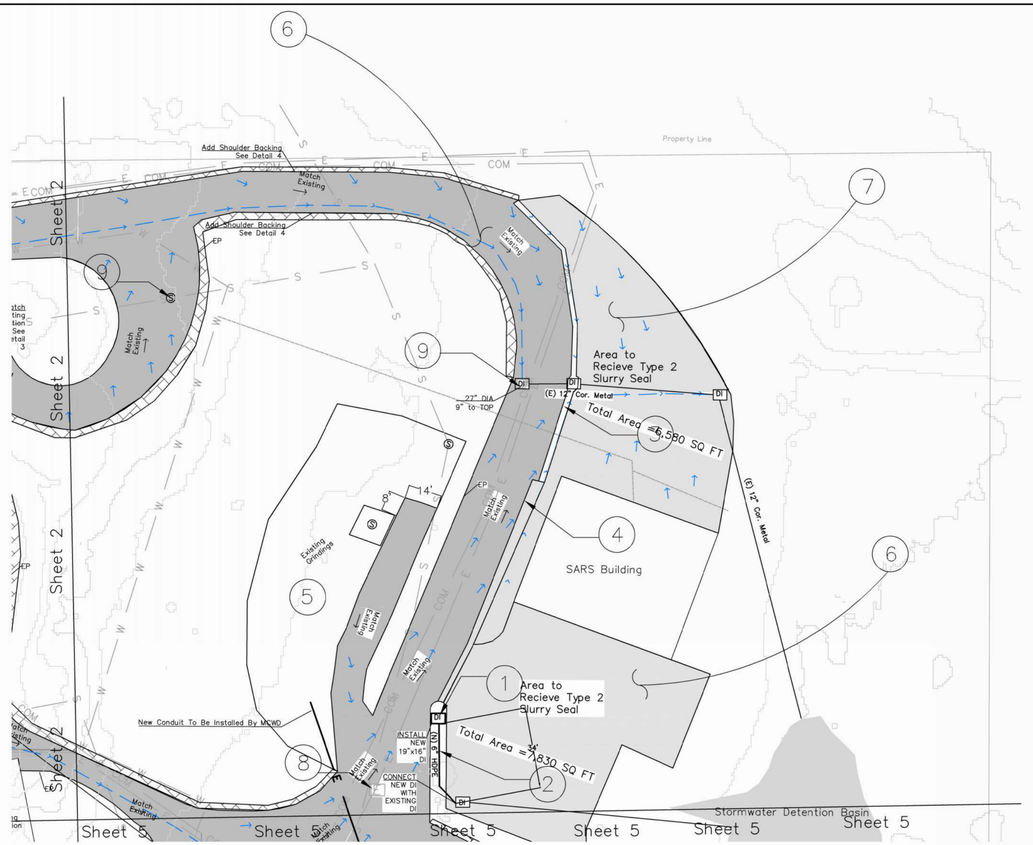
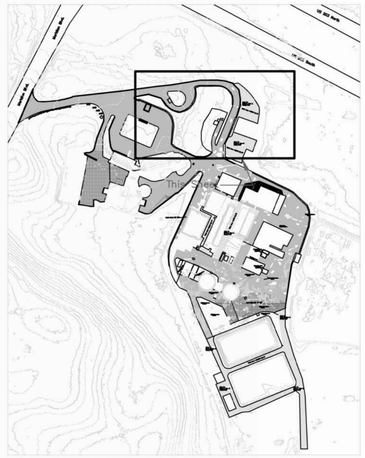
SCAN NUMBER	-
SHEET NO.	2

2 OF 12 SHEETS





LOCATION MAP

Construction Notes

1. Install a New 16"x16" (1) Drop Inlet.
2. Install new 6" HDPE pipe to connect DI with existing. Pipe shall be 1% minimum slope.
3. Existing Swale Curb. Protect in place. Taper new AC to match existing elevation of Curb.
4. Saw Cut and rotomill 2" deep, 12" wide to create a T-patch transition. Match existing elevation and grade.
5. Existing AC Grindings. A 14' lane of new AC is to be installed on the East end of the dumping station.
6. Full Depth Reclamation (FDR) Total of 20,586 SQ FT of pulverizing and new HMA.
7. Bid Alternate for Crack Fill and Type II Surry Seal. No pulverization required in these locations. (Total: 14,410 SQ FT)
8. Rotomill to 4" depth within a 6' radius of vault cover.
9. Lower surface features prior to pulverization.

Surface Features Requiring Lowering	Total
Sewer Man Hole	1
Drop Inlet	1
SoCal Edison Vault	0 (1)

Drainage to be Installed	TOTAL
6" HDPE	34 LF
Drop Inlet	1

HMA Totals for Sheet	Total
HMA TONS	515

Legend

- Flow Path
- Slope Direction
- Existing Concrete
- Existing Building
- C — Communications Vault
- E — Electrical Vault
- DI — Drop Inlet
- Shoulder Backing to Be Installed
- FDR Area
- Type II Slurry Seal

N

0 60 120 Feet

Submitted By:

Garrett Higerd
R.C.E. #C70926
Date 5/23/2024

REVISIONS	DATE	BY
1	6/13	NF

Grading & Drainage 2

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

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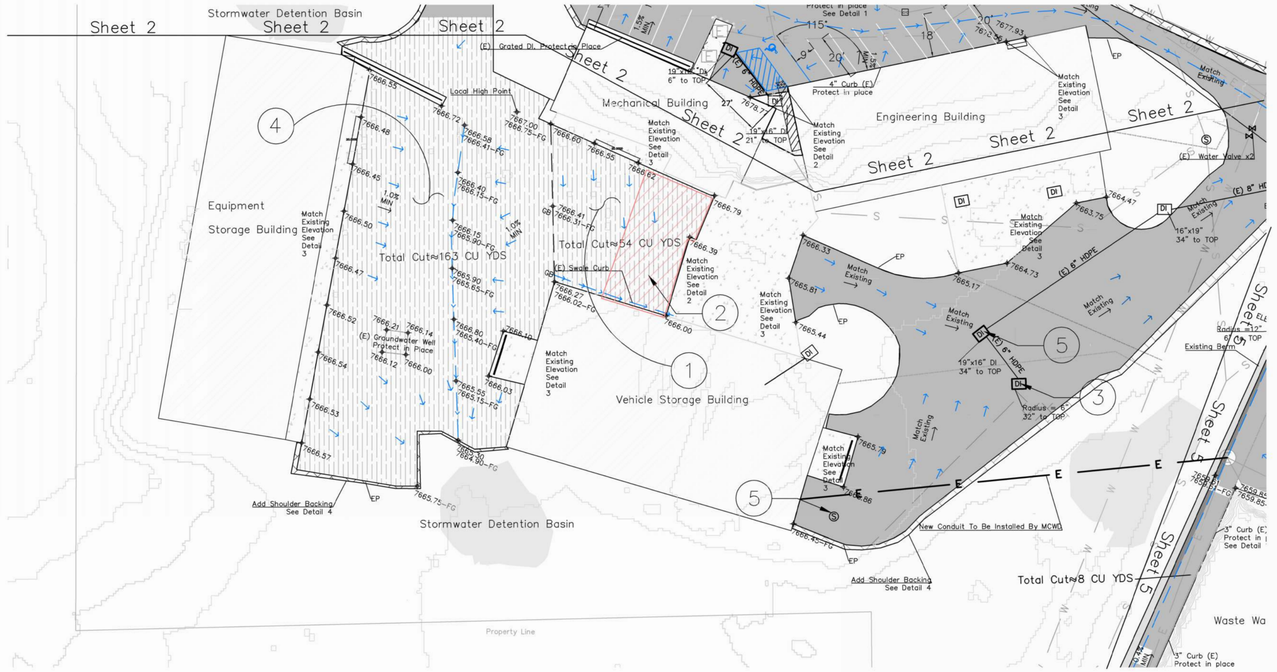
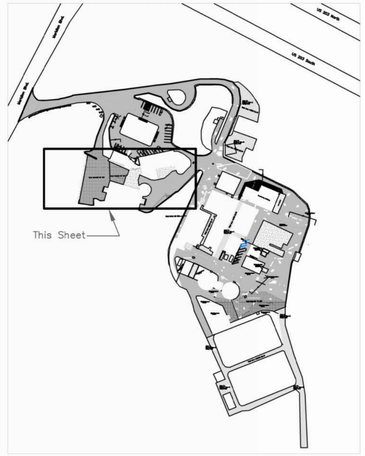
CHECKED	GRH
DATE	5/24/2024
PROJECT NUMBER	24A02
SCAN NUMBER	-
SHEET NO.	3

3 OF 12 SHEETS





LOCATION MAP

Legend

- Flow Path
- Slope Direction
- Existing Concrete
- Existing Building
- Communications Vault
- Electrical Vault
- Drop Inlet
- Shoulder Backing to Be Installed
- FDR Area
- Type II Slurry Seal
- Cut 4" of Material
- Hydronic Piping 3" Under Existing HMA

Surface Features Requiring Lowering	Total
Sewer Man Hole	1

Surface Features To Be Removed & Replaced	Total
Drop Inlet	2

HMA Totals for Sheet	Total
HMA TONS	770

N

0 60 120 Feet

Construction Notes

1. Match existing concrete elevation. Slope section towards existing swale curb on the north side of the vehicle storage building. Section will require 4" of cut which will be used on sheet 6.
2. Demolish existing subsurface ¾" PEX piping system.
3. Remove and replace existing 6" DIA drop inlet to a 1 16"x16" ~~16"x19"~~ grated drop inlet.
4. HMA shall match existing concrete elevations at various locations. A total cut of 4" is expected which will be used as fill on sheet 6. FG shall slope to the flow line which drains to the Stormwater Basin to the south.
5. Remove and Replace existing drop inlet with a grated 1 16"x16" ~~16"x19"~~ drop inlet.

Submitted By:

Garrett Higerd
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Date 5/23/2024

REVISIONS	DATE	BY
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Grading & Drainage 3

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

DRAWN NEF
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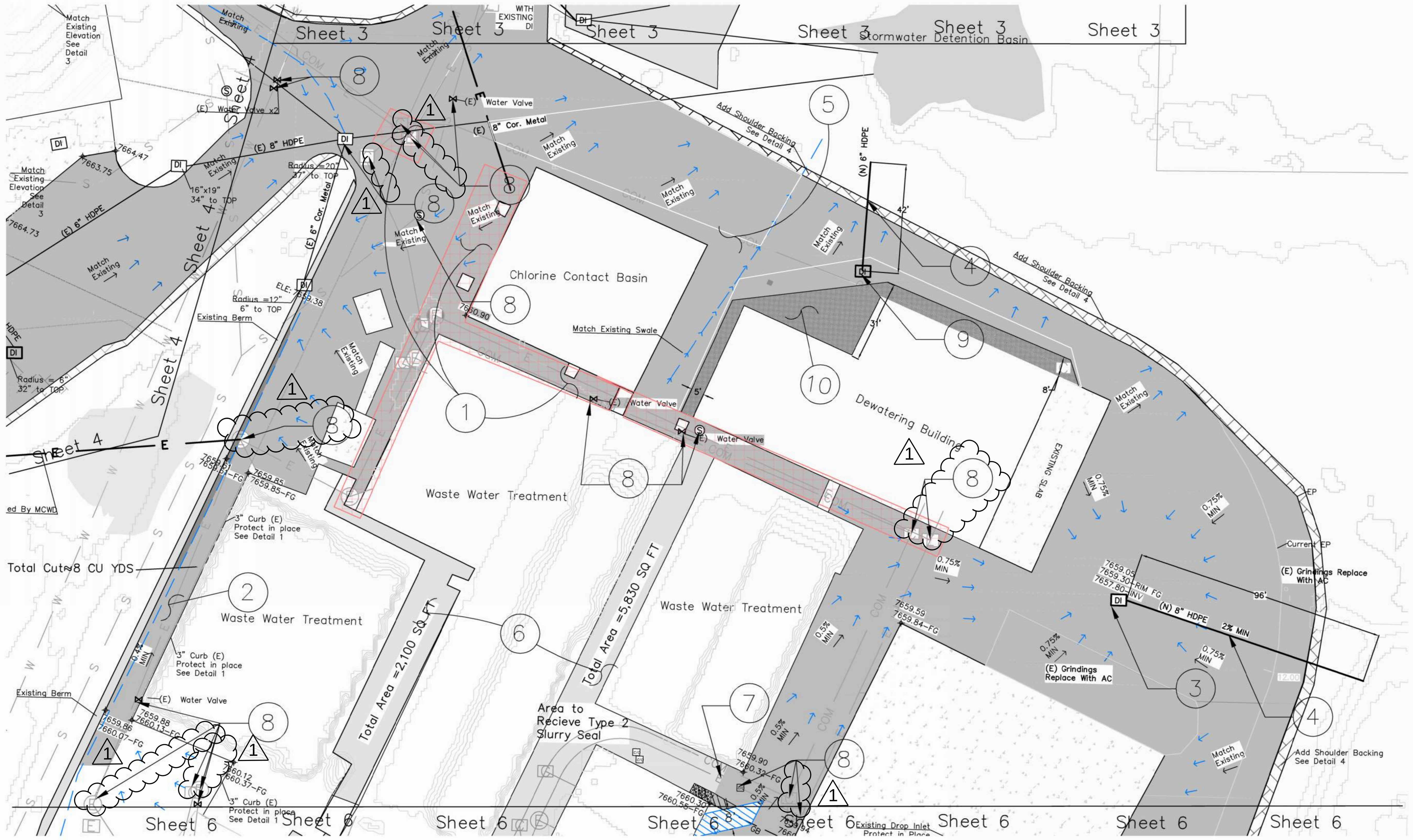
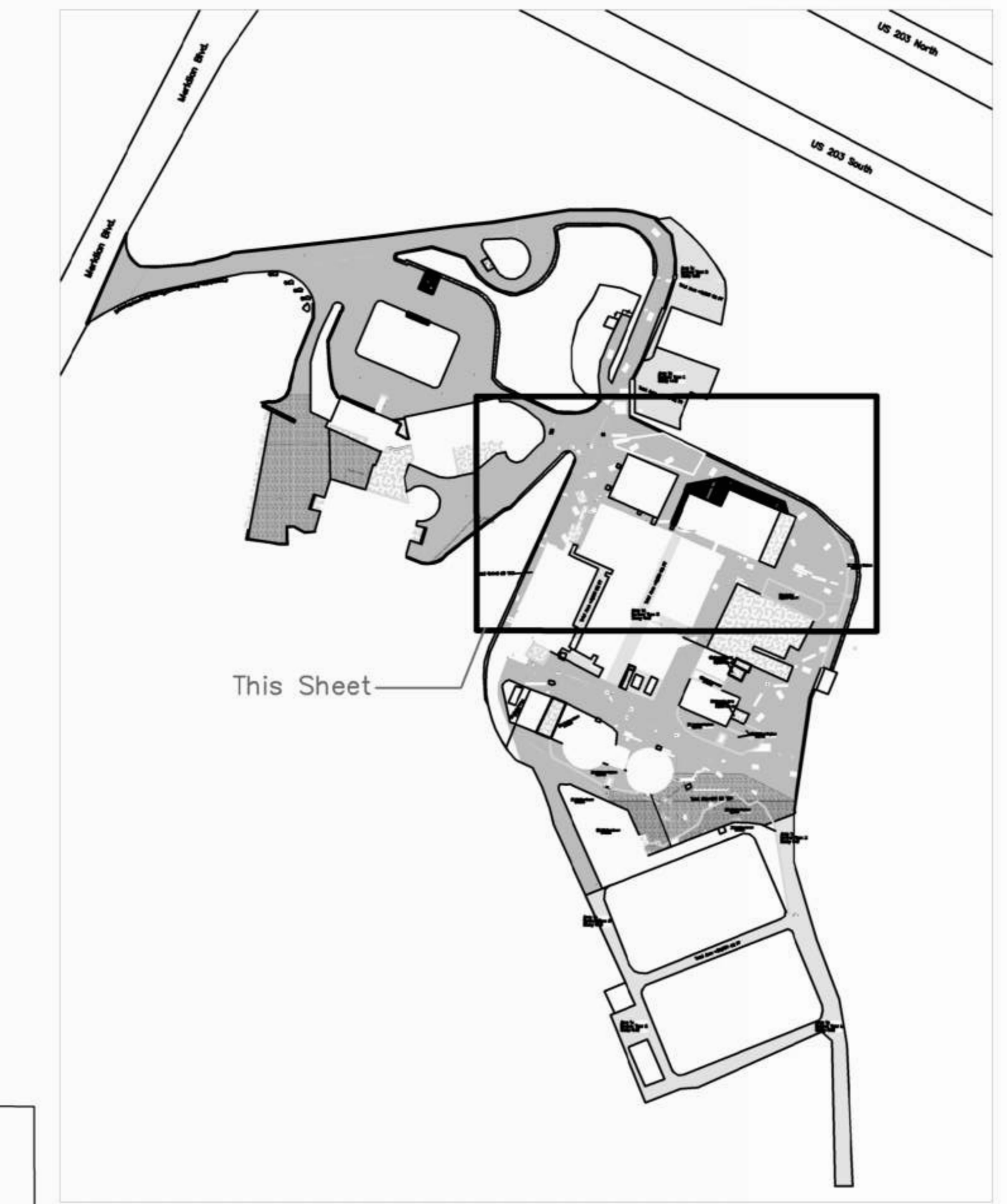
DATE 5/24/2024
PROJECT NUMBER 24A02
SCAN NUMBER -
SHEET NO. 4
4 OF 12 SHEETS



Surface Features Requiring Lowering	Total
Sewer Man Hole	2
SoCal Edison Vault	~~1~~ 0
MCWD Electric Vault	~~5~~ 0
Communication Vault	~~5~~ 0
Water Valves	7
Sewer Cleanout	1

Drainage to be Installed	TOTAL
Drop Inlets	2
6" HDPE	42 LF
8" HDPE	96 LF

HMA Totals for Sheet	Total
HMA TONS	1072



LOCATION MAP

Legend

- Flow Path
- Slope Direction
- Existing Concrete
- Existing Building
- Communications Vault
- Electrical Vault
- Drop Inlet
- Shoulder Backing to Be Installed
- FDR Area
- Type II Slurry Seal
- Area to Rotomill to 4" Depth

0 60 120 Feet

Construction Notes

1. Existing underground vaults. Rotomill to 4" depth. Place approximately 4" of HMA.
2. Cut approximately 8 CU YDS of material to generate a 0.4% minimum slope. Maintain a minimum of $\frac{1}{2}$" of curb height along water treatment facilities per Detail 1. Match FG callouts.
3. Install New 24" DIA Drop Inlet.
4. Install New HDPE pipe at a minimum 2% slope.
5. Full Depth Reclamation (FDR) Total of 42,880 SQ FT across sheet of pulverizing and new HMA.
6. Crack Fill and Type II Surry Seal. No pulverization required in these locations. (Total: 8,130 SQ FT)
7. Saw Cut and rotomill 2" deep, 12" wide to create a T-patch transition. Match existing elevation and grade.
8. Lower surface features prior to pulverization. (Revision 1)
9. Install new ~~19"x16"~~ 16"x16" drop inlet. (Revision 1)
10. Pulverize only. No HMA in this location.

REVISIONS	DATE	BY
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Grading & Drainage 4

Campus Pavement Rehab & Drainage

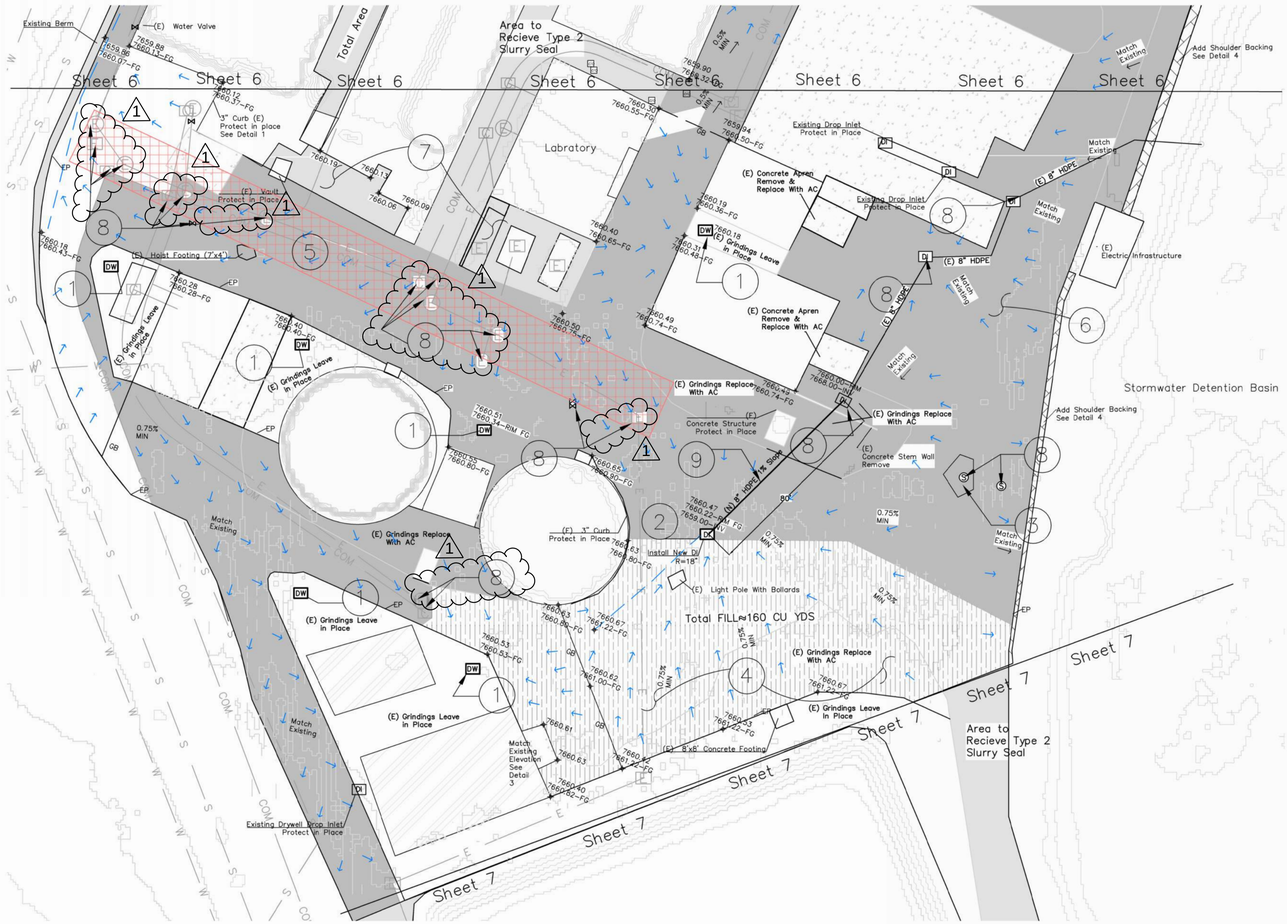
MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

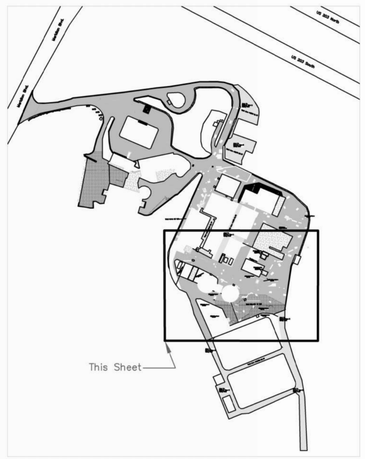
Submitted By:

Garrett Higerd — Date 5/23/2024

R.C.E. #C70926

DRAWN: NEF
CHECKED: GRH
DATE: 5/24/2024
PROJECT NUMBER: 24A02
SCAN NUMBER: -
SHEET NO. 5





LOCATION MAP

Surface Features Requiring Lowering	Total
Sewer Man Hole	2
SoCal Edison Vault	~~2~~ 0
MCWD Electric Vault	~~8~~ 0
Communication Vault	~~4~~ 0
Water Valves	3
Drop Inlet	3

1

Legend

- Flow Path
- Slope Direction
- Existing Concrete
- Existing Building
- C — Communications Vault
- E — Electrical Vault
- DI — Drop Inlet
- DW — Dry Well
- Shoulder Backing to Be Installed
- FDR Area
- Type II Slurry Seal
- Area to Pulverize to 3" Depth
- Rotomill to 4" Depth
- Fill Area

Construction Notes

1. Install new 36" DIA Drywell style drop inlet, per TOML Standard Plan 305–2. Total: 6
2. Install new 36" DIA Drop Inlet.
3. Remove existing boulders and native soil.
4. Fill area with approximately 160 CU YDS of material in order to create nessessary slope. Cut material from Sheet 4 shall be used.
5. Existing underground vaults. Rotomill to 4" depth. Place approximately 4" of HMA.
6. Full Depth Reclamation (FDR) Total of 45,494 SQ FT across sheet. Pulverizing and new HMA.
7. Crack Fill and Type II Surry Seal. No pulverization required in these locations. (SQ total accounted for on Sheet 5)
8. Lower surface features prior to pulverization. 1
9. Install New HDPE pipe at a slope of 1%.

Drainage to be Installed	Total
8" HDPE	80 LF
Drop Inlet	1
Drywell DI	6

AC Totals for Sheet	Total
AC TONS	1138

N

0 60 120 Feet

Submitted By:

RECEIVED PROFESSIONAL ENGINEER GARRETT RALPH HIGERD C 70926 CIVIL STATE OF CALIFORNIA

Garrett Higerd — Date 5/23/2024

R.C.E. #C70926

REVISIONS	DATE	BY
1	6/13	NF

Grading & Drainage 5

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

DRAWN	
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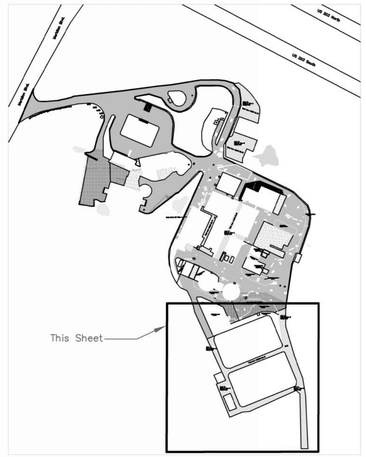
DATE	
5/24/2024	
PROJECT NUMBER	SCAN NUMBER
24A02	-

SHEET NO. 6

6 OF 12 SHEETS



LOCATION MAP

Legend

- Flow Path
- Slope Direction
- Existing Concrete
- Existing Building
- Communications Vault
- Electrical Vault
- Drop Inlet
- Shoulder Backing to Be Installed
- FDR Area
- Type II Slurry Seal

N

0 60 120 Feet

Construction Notes

1. T-Grind Transition between New AC, and existing AC, prior to applying Type II Slurry Seal
2. Crack Fill and Type II Surry Seal. No pulverization required. (SQ total: 28,730)

Submitted By:

Garrett Higerd
R.C.E. #C70926

Date 5/23/2024

REVISIONS	DATE	BY
1	6/13	NF

Grading & Drainage 6

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

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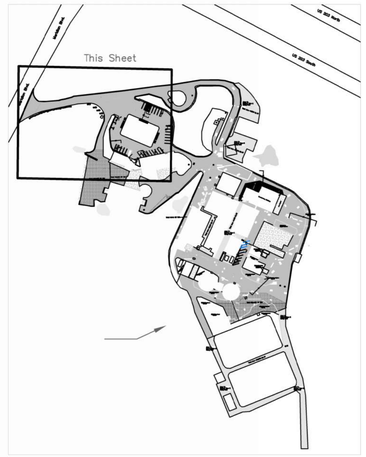
SCAN NUMBER -
SHEET NO. 7
7 OF 12 SHEETS



LOCATION MAP

Legend

- Flow Path
- Slope Direction
- Existing Concrete
- Existing Building
- C — Communications Vault
- E — Electrical Vault
- DI — Drop Inlet
- Shoulder Backing to Be Installed
- FDR Area
- Type II Slurry Seal

Construction Notes

1. Install ADA Parking Space per Caltrans Standard A90A.
2. Install ADA Path of travel and passenger unloading per Caltrans Standard A90A.
3. Install Stop Bar and "STOP" Stencil.
4. Install Disabled Parking Stencil Per Caltrans Std. Plan A24C.
5. Install "NO PARKING" Stencil.
6. Paint Curb RED around building.
7. Install Disabled Parking Sign per Caltrans Standard Plan A90A.
8. Install new STOP sign.
9. Install ADA Compliant Truncated Domes per TOML Standard Detail 103-2
10. Stripe parking lot per dimension call outs.

N

0 60 120 Feet

Submitted By:

Garrett Higerd
R.C.E. #C70926

Date 5/23/2024

REVISIONS	DATE	BY
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Striping & Signage 1

Campus Pavement Rehab & Drainage

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(760) 934-2596 FAX: (760) 934-2143

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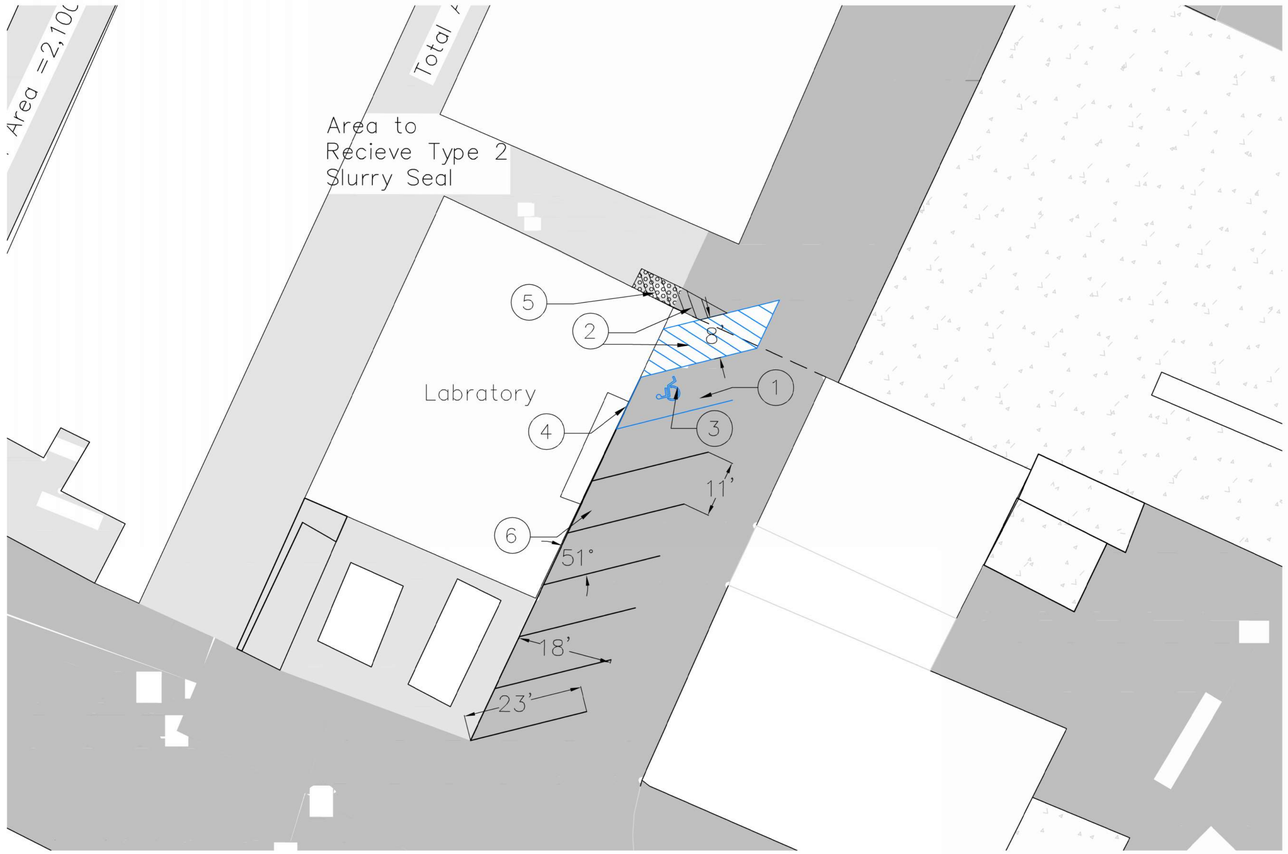
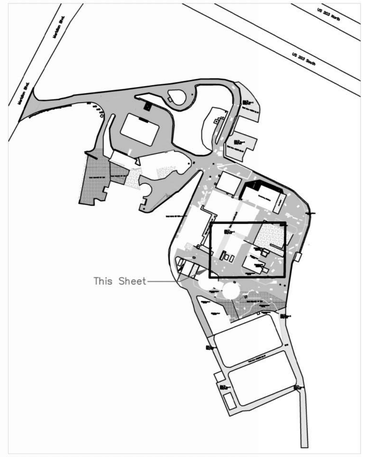
SHEET NO. 8
8 OF 12 SHEETS





LOCATION MAP

Legend

- Flow Path / Slope Direction
- Existing Concrete
- Existing Building
- C — Communications Vault
- E — Electrical Vault
- DI — Drop Inlet
- Shoulder Backing to Be Installed
- FDR Area
- Type II Slurry Seal

Construction Notes

1. Install ADA Parking Space per Caltrans Standard A90A.
2. Install ADA Path of travel and passenger unloading per Caltrans Standard A90A.
3. Install Disabled Parking Stencil Per Caltrans Std. Plan A24C.
4. Install Disabled Parking Sign per Caltrans Standard Plan A90A.
5. Install ADA Compliant Truncated Domes per TOML Standard Detail 103-2
6. Stripe parking lot per dimension call outs.

N

0 25 50 Feet

Submitted By:

REGISTERED PROFESSIONAL ENGINEER GARRETT RALPH HIGERD C 70926 CIVIL STATE OF CALIFORNIA

Garrett Higerd
R.C.E. #C70926

Date 5/23/2024

REVISIONS	DATE	BY
1	6/13	NF

Striping & Signage 2

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

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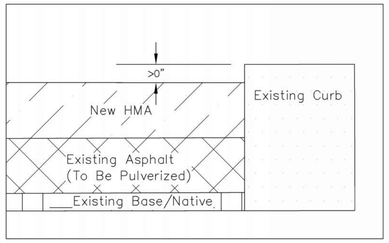
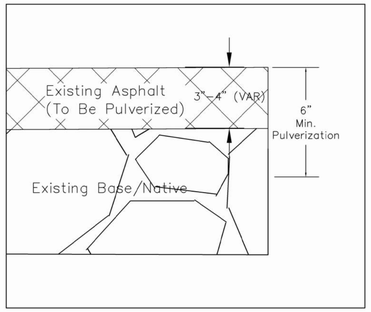
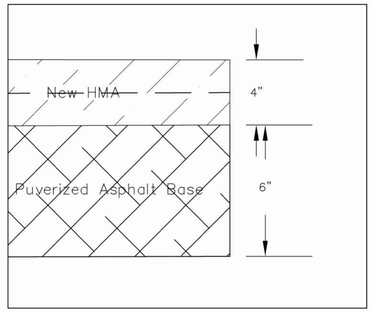
SHEET NO.	9

9 OF 12 SHEETS

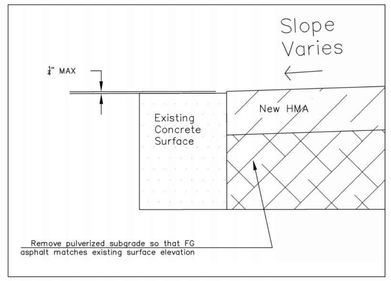


Detail 1

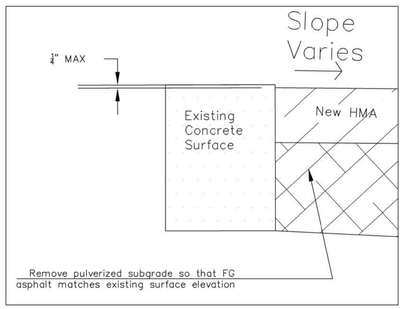




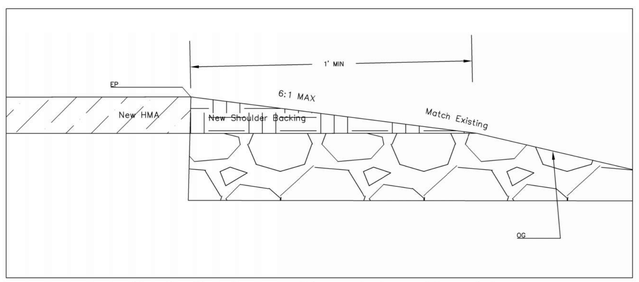
Full Depth Reclamation
Typical Cross Section



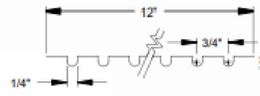
Detail 2



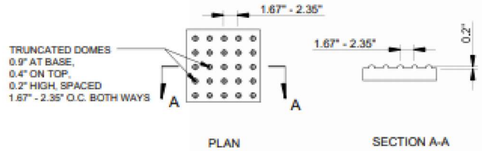
Detail 3



Detail 4 – Shoulder Backing

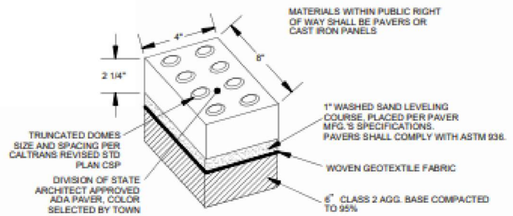


GROOVING DETAIL
NO SCALE



PLAN SECTION A-A

TRUNCATED DOMES DETAIL
NO SCALE

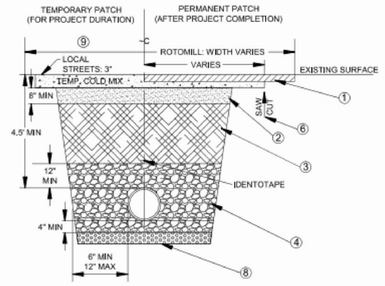


DETECTABLE WARNING PAVER DETAIL

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

	PEDESTRIAN RAMPS	STANDARD PLAN 103-2
Mammoth Lakes CALIFORNIA	PUBLIC WORKS DIRECTOR APPROVAL: DATE: May 7, 2014	SHEET 7 OF 8

Truncated Dome Detail



CONSTRUCTION NOTES FOR A.C. TRENCH PATCH:

1. PERMANENT AC INSTALLATION:
   - A. ROTOMILL MINIMUM 2 INCHES DEEP TO COVER ALL AREAS OF CRACKED OR RAVELED SURFACES DISTURBED BY TRENCHING.
   - B. TACK COAT SC-3000 AND/OR HOT MIX IF FULLY CURED OR IF CONDITIONS WARRANT ON ALL EDGES AND MILLED SURFACES.
   - C. AC PAVEMENT SHALL CONFORM TO STANDARD 006-0 OF THESE STANDARDS.
2. AGGREGATE BASE PER STANDARD 006 OF THESE STANDARDS. BASE SHALL NOT BE REQUIRED WHEN USING CONCRETE SLURRY FOR BACKFILL.
3. TRENCH BACKFILL SHALL BE PER TOWN STANDARD 202-0, OR IMPORTED FILL AS APPROVED BY PUBLIC WORKS DIRECTOR. NATIVE MATERIAL AND IMPORTED FILL SHALL BE COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D 1557.
4. PIPE BEDDING SHALL BE GRANULAR MATERIAL (3/4 INCH MAX) COMPACTED TO 90% PER ASTM D-1557 OR SLURRY. ALL BEDDING SHALL HAVE A NON-WOVEN GEOTEXTILE ON ALL SIDES.
5. TRANSVERSE: FOR ALL STREETS, THE TRENCH WIDTH SHALL BE TRENCH WIDTH PLUS 9 INCH (EACH SIDE) OR 24 INCH MINIMUM TOTAL PATCH WIDTH, WHICHEVER IS GREATER.
6. SAW CUT EDGE SHALL BE PARALLEL OR PERPENDICULAR TO TRENCH (TYP.).
7. PAVEMENT PATCH DEPTH IS TO MATCH CONTIGUOUS PAVEMENT, BUT NOT LESS THAN 3 INCHES (5-1/2 INCHES ON ARTERIAL AND COLLECTOR STREETS).
8. OVER EXCAVATE WHEN TRENCH BOTTOM IS SATURATED. REPLACE WITH 3-6 INCH ROCK TO A MIN 6 INCH DEPTH. WRAP WITH NON-WOVEN CLASS 3 (AASHTO M288 96) GEOTEXTILE ON ALL SIDES.
9. A MINIMUM 2 INCH THICK TEMPORARY PATCH OF COLD MIX ASPHALT CONCRETE SHALL BE PLACED AND COMPACTED IMMEDIATELY AFTER COMPLETION OF UNDERGROUND WORK OR AT END OF THE WORKDAY, OR COVERED WITH PLATING AS APPROVED BY THE EXCAVATION PERMIT INSPECTOR OR APPLICABLE ENGINEER OF RECORD. IF NOT PATCHED WITHIN 24 HOURS AFTER BACKFILLING, THE TOWN MAY PATCH AND BACK-CHARGE THE PERMITEE FOR ALL COSTS. TEMPORARY PATCH SHALL BE SET TO BETWEEN 1/8 AND 1/4 INCHES ABOVE EXISTING SURFACE.

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

	A.C. TRENCH PATCH	STANDARD PLAN 201-2
Mammoth Lakes CALIFORNIA	PUBLIC WORKS DIRECTOR APPROVAL: DATE: May 7, 2014	SHEET 3 OF 5

T-Patch Detail

Submitted By:

REGISTERED PROFESSIONAL ENGINEER GARRETT RALPH HIGERD C 70926 CIVIL STATE OF CALIFORNIA

Garrett Higerd — Date 5/23/2024

R.C.E. #C70926

REVISIONS	DATE	BY
1	6/13	NF

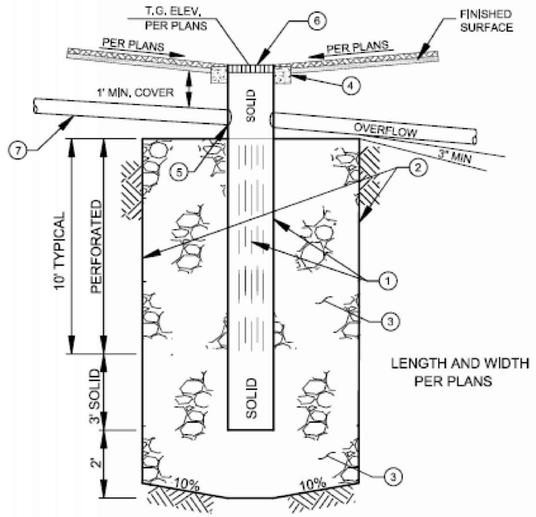
Details-1

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

DRAWN	NEF
CHECKED	GRH
DATE	5/23/2024
PROJECT NUMBER	24A02
SCAN NUMBER	-
SHEET NO.	10

10 OF 12 SHEETS



DRYWELL DETAIL

NTS

CONSTRUCTION NOTES FOR DRYWELL

1. 36 INCH C.S.P. DROP INLET, 6 INCH SLOT AT EACH RIB; 2 INCH VERTICALLY BETWEEN SLOTS.
2. COVER ALL SIDES OF DRYWELL AND ROCK WITH FILTER FABRIC MIRAFI 140 OR NON WOVEN FABRIC EQUIVALENT.
3. 3 INCH - 6 INCH CLEAN COBBLE DRYWELL MATERIAL.
4. COLLAR TO BEAR ON COMPACTED SUB GRADE.
5. OVERFLOW PIPE INVERT SHALL BE ABOVE THE CLEAN COBBLE DRYWELL MATERIAL.
6. BICYCLE PROOF TRAFFIC RATED GRATE AND FRAME, "CALTRANS TYPE 36-RX" OR EQUAL WITH 8"X 8" 6 SACK COLLAR.
7. 12 INCH PVC DRAIN PIPE.

GENERAL NOTES FOR DRYWELL

1. SIZE OF DRYWELL SHALL BE BASED UPON CAPACITY REQUIREMENTS. MINIMUM SIZE SHALL BE FOR A ONE INCH ONE HOUR STORM FOR THE DRAINAGE AREA.
2. USE CALTRANS TYPE 36R AND 36RX GRATES OR EQUIVALENT. CALTRANS STANDARD D77-B.
3. IN ALL CASES WHERE BICYCLES HAVE ACCESS TO THE DRYWELL USE TYPE 36RX GRATE OR AS APPROVED BY THE PUBLIC WORKS DIRECTOR
4. 36R GRATES WILL NOT SUPPORT NORMAL HIGHWAY WHEEL LOADS. USE OUTSIDE THE ROADSIDE OR PAVED PARKING AREA ONLY.
5. FOR RESIDENTIAL USE ONLY, AS APPROVED BY THE PUBLIC WORKS DIRECTOR

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

Mammoth Lakes CALIFORNIA

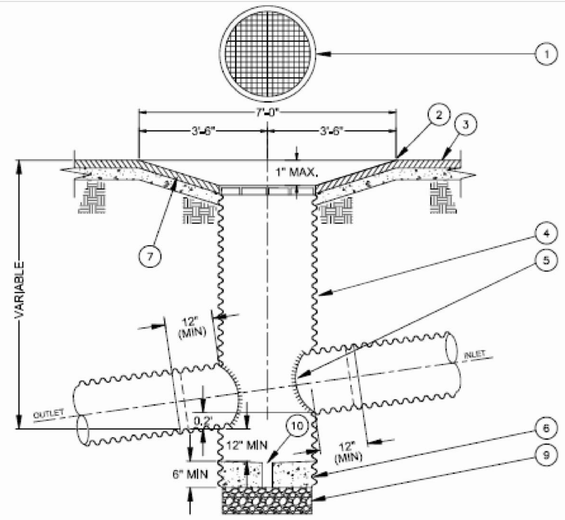
RESIDENTIAL DRYWELL

PUBLIC WORKS DIRECTOR APPROVAL: _____ DATE: May 7, 2014

STANDARD PLAN 302-2

SHEET 1 OF 1

Drywell Detail



TYPICAL DROP INLET

NTS

CONSTRUCTION NOTES FOR DROP INLETS OUTSIDE OF TOWN RIGHT OF WAY

1. GRATE
2. EDGE OF STANDARD ROADWAY
3. ROAD SECTION
4. 36 INCH CMP
5. SHOP WELD, CONTINUOUS WELD
6. CONCRETE BASE PER TOWN STANDARD 004, AND AS APPROVED BY THE PUBLIC WORKS DIRECTOR.
7. 3 INCH ASPHALT CONCRETE DRAIN ON SUB GRADE COMPACTED T0 95%.
8. ALL PIPE TO BE HOT DIP GALVANIZED AND DROP INLET SHALL CONFORM TO APWA-SOUTHERN CALIFORNIA CHAPTER STANDARDS.
9. 3/4 INCH DRAIN ROCK, 6 INCHES DEEP MINIMUM, WRAPPED IN NON WOVEN FABRIC.
10. 4 INCH DRAIN.

GENERAL NOTES FOR DROP INLETS

1. USE TYPE 36R AND 36RX GRATES, CALTRANS STANDARD D77-B.
2. IN ALL CASES WHERE BICYCLES HAVE ACCESS TO THE DROP INLET, USE TYPE 36RX GRATE.
3. 36R GRATES WILL NOT SUPPORT NORMAL HIGHWAY WHEEL LOADS, USE OUTSIDE THE ROADBED ONLY.
4. INLET AND OUTLET PIPES SHALL NOT PROTRUDE INTO BASIN.

TOWN OF MAMMOTH LAKES - DEPARTMENT OF PUBLIC WORKS

Mammoth Lakes CALIFORNIA

DROP INLET OUTSIDE RIGHT-OF-WAY

PUBLIC WORKS DIRECTOR APPROVAL: _____ DATE: May 7, 2014

STANDARD PLAN 305-2

SHEET 1 OF 1

Drop Inlet Detail

Submitted By:

REGISTERED PROFESSIONAL ENGINEER GARRETT RALPH HIGERD C 70926 CIVIL STATE OF CALIFORNIA

Garrett Higerd — Date 5/23/2024

R.C.E. #C70926

REVISIONS	DATE	BY
1	6/13	NF

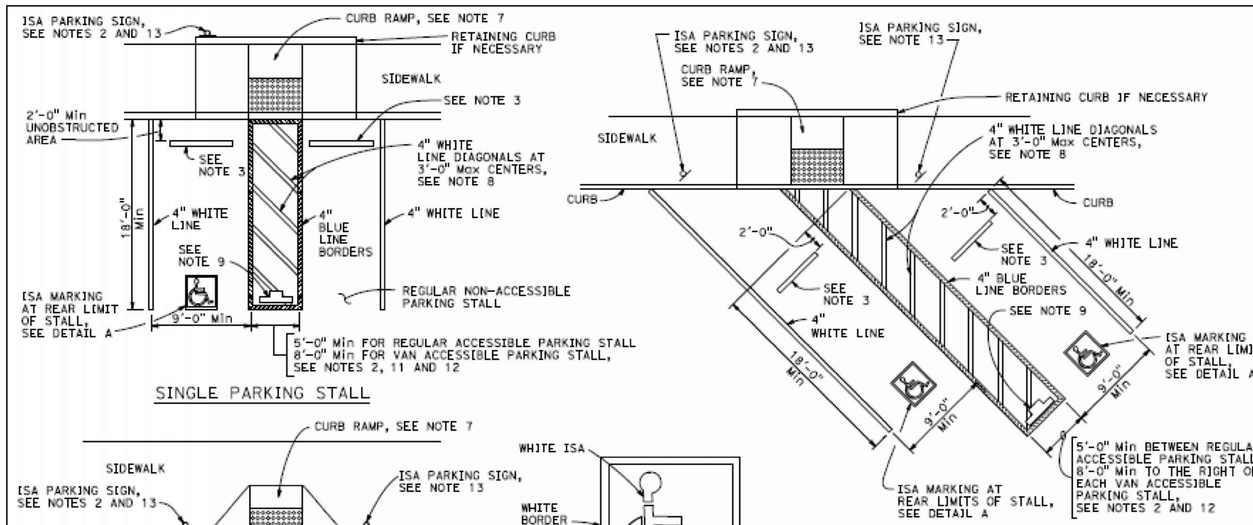
Details 2

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

DRAWN	NEF
CHECKED	GRH
DATE	5/23/2024
PROJECT NUMBER	24A02
SCAN NUMBER	-
SHEET NO.	11

11 OF 12 SHEETS



TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES
1–25	1
26–50	2
51–75	3
76–100	4
101–150	5
151–200	6
201–300	7
301–400	8
401–500	9
501–1000	2 PERCENT OF TOTAL
1001 AND OVER	20 PLUS 1 FOR EACH 100 OR FRACTION THEREOF OVER 1000

TABLE A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

August 1, 2022
PLANS APPROVAL DATE

Rebecca Lynn Mowry No. C54415 Exp. 12-31-23 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. Accessible parking spaces serving a particular building shall be located on the shortest accessible route of travel from adjacent parking to an accessible entrance. In parking facilities that do not serve a particular building, accessible parking shall be located on the shortest accessible route of travel to an accessible pedestrian entrance of the parking facility.
2. One in every six accessible off-street parking stalls, but not less than one, shall be served by an accessible aisle of 8'-0" minimum width and shall be signed van accessible. The R7-8b sign shall be mounted below the R99B (CA) plaque or the R99C (CA) sign.
3. In each parking stall, a curb or parking bumper shall be provided if required to prevent encroachment of vehicles over the required width of walkways. Parking stalls shall be so located that persons with disabilities are not compelled to wheel or walk behind parked vehicles other than their own. For more parking bumper requirements, see the Standard Specifications.
4. Parking spaces and access aisles shall be level with surface slopes not exceeding 1.5% in all directions.
5. Table A shall be used to determine the required number of accessible parking stalls in each parking lot or garage.
6. Where Plaque R99B (CA), Sign R99C (CA) or Sign R7-8b are installed, the bottom of the sign or plaque panel shall be a minimum of 7'-0" above the surrounding surface.
7. Curb ramps shall conform to the details shown on Standard Plan A88A.
8. Blue paint, instead of white may be used for marking accessibility aisles in areas where snow may cause white markings to not be visible.
9. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high and located so that it is visible to traffic enforcement officials. See Standard Plan A90B for details of the "NO PARKING" pavement marking.
10. A R100B (CA) sign shall be posted in a conspicuous place at each entrance to off-street parking facilities or immediately adjacent to and visible from each stall. The sign shall include the address where the towed vehicle may be reclaimed and the telephone number of the local traffic law enforcement agency.
11. Where a single (non-van) accessible parking space is provided, the loading and unloading access aisle shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
12. Where a van accessible parking space is provided, the loading and unloading access aisle shall be 8'-0" wide minimum, and shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
13. Accessible Parking Only Sign shall be Sign R99C (CA) or Sign R99 (CA) with Plaque R99B (CA).

LEGEND

ISA – International Symbol of Accessibility

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ACCESSIBLE PARKING OFF-STREET

NO SCALE

A90A

2022 STANDARD PLAN A90A

159

ADA Striping and Signage Details

Submitted By:

Garrett Higerd — Date 5/23/2024
R.C.E. #C70926

REVISIONS	DATE	BY
1	6/13	NF

Details 3

Campus Pavement Rehab & Drainage

MAMMOTH COMMUNITY WATER DISTRICT
P.O.Box 597 Mammoth Lakes, CA 93546
(760) 934-2596 FAX: (760) 934-2143

DRAWN NEF
CHECKED GRH
DATE 5/24/2024
PROJECT NUMBER 24A02
SCAN NUMBER -
SHEET NO. 12
12 OF 12 SHEETS