

- LEGEND**
- AC ASPHALT CONCRETE
  - CA CABLE
  - CCTV CLOSED CIRCUIT TELEVISION
  - CMPA CORRUGATED METAL PIPE ARCH
  - DI DROP INLET
  - EX. EXISTING
  - FM FORCE MAIN
  - G GAS
  - KV KILOVOLT
  - OH OVERHEAD
  - RCP REINFORCED CONCRETE PIPE
  - S SANITARY SEWER
  - SD STORM DRAIN
  - STL STEEL
  - TDC TOP DEAD CENTER
  - W WATER

**NOTES:**

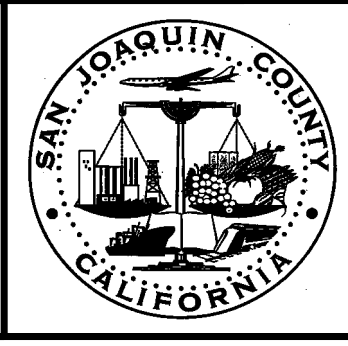
- ALL EXISTING UTILITIES LOCATED WITHIN THE RELIEF CUT SHALL BE CUT AND CAPPED JUST OUTSIDE OF THE LIMITS OF THE RELIEF CUT.

**BASIS OF ELEVATIONS**  
ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



**PRELIMINARY**  
NOT FOR CONSTRUCTION  
FOR STUDY ONLY

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Relief Cut\_Country Club.dwg  
PLOT DATE: May 06, 2010 - 11:04am



**SAN JOAQUIN COUNTY**  
OFFICE OF EMERGENCY SERVICES

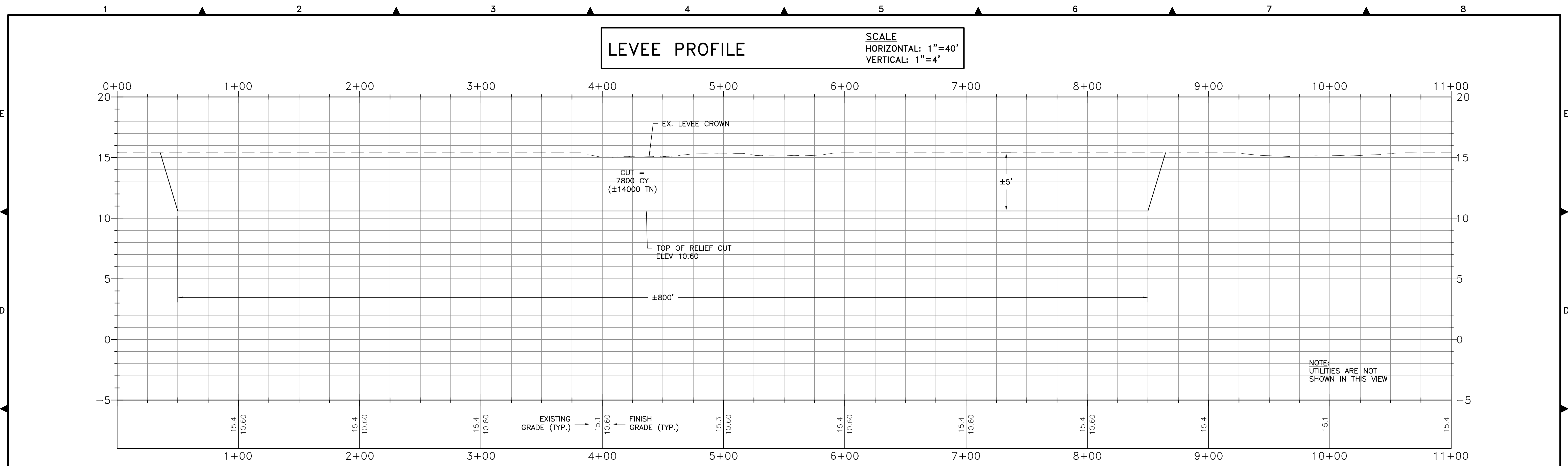
**KSN INC.**  
KJELDSSEN SINNOCK NEUDECK  
Civil Engineers and Land Surveyors  
Post Office Box 844  
711 N. Pershing Avenue  
Stockton, CA 95201-0844  
Office: (209) 946-0268  
Faxes: (209) 946-0296  
E-mail: KSN@ksninc.com

CITY OF STOCKTON  
SAN JOAQUIN COUNTY  
SMITH TRACT / WEBER TRACT  
**COUNTRY CLUB RELIEF CUT**  
PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				
No.	Description	Date	By	Aprvd. By

Design EEA	Scale AS SHOWN	Date MARCH 2010
Drawn EEA	Original Drawing Scale 0 1/2" = 1"	Sheet Number 1 Of 2
Check CHN		Project File No. 1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Figh\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\FED\_Smith\_Relief\_Cut\_Country\_Club.dwg  
 PLOT DATE: May 06, 2010 - 11:02am

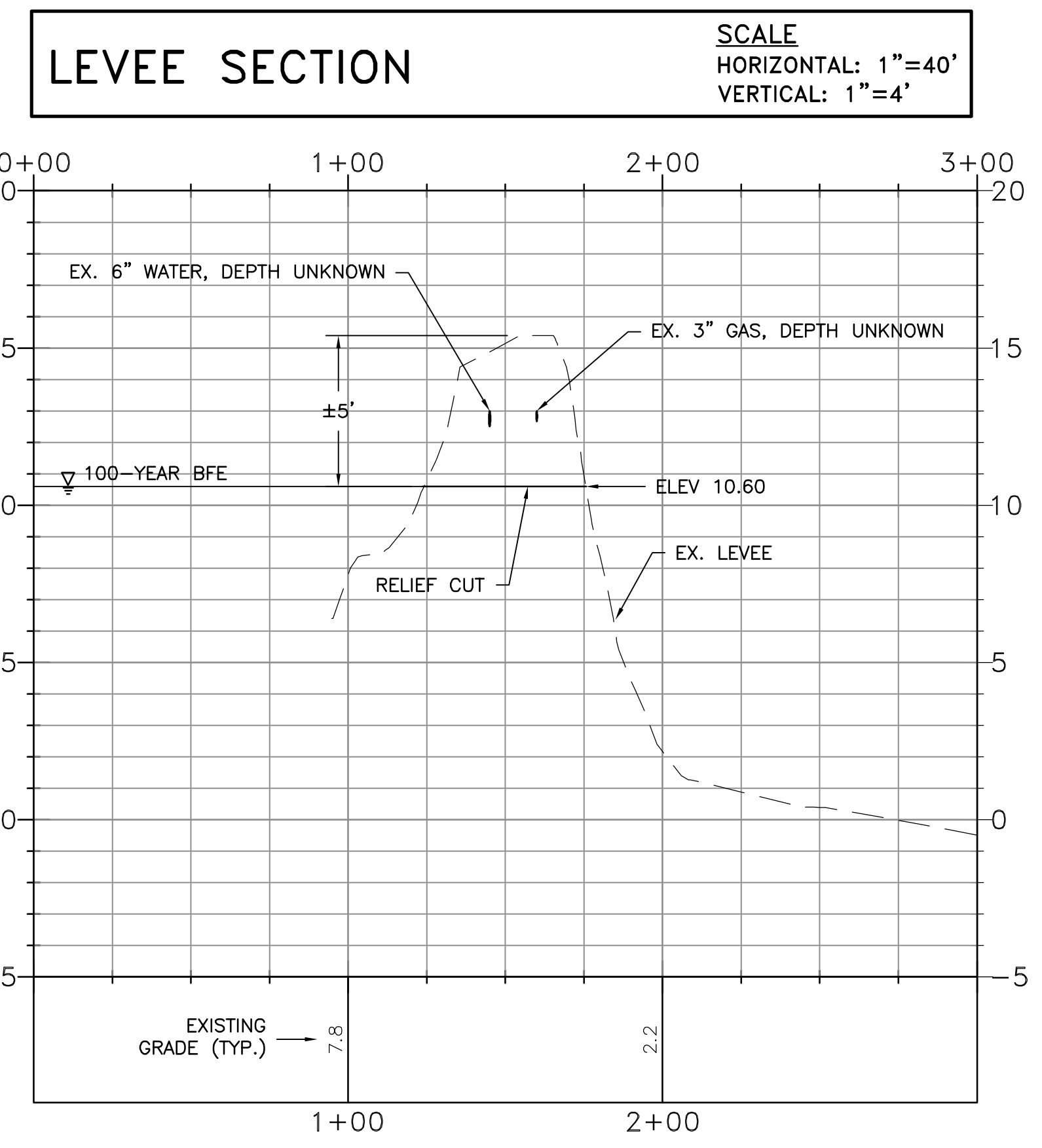


- LEGEND**
- AC ASPHALT CONCRETE
  - CA CABLE
  - CCTV CLOSED CIRCUIT TELEVISION
  - CMPA CORRUGATED METAL PIPE ARCH
  - DI DROP INLET
  - EX. EXISTING
  - FM FORCE MAIN
  - G GAS
  - KV KILOVOLT
  - OH OVERHEAD
  - RCP REINFORCED CONCRETE PIPE
  - S SANITARY SEWER
  - SD STORM DRAIN
  - STL STEEL
  - TDC TOP DEAD CENTER
  - W WATER

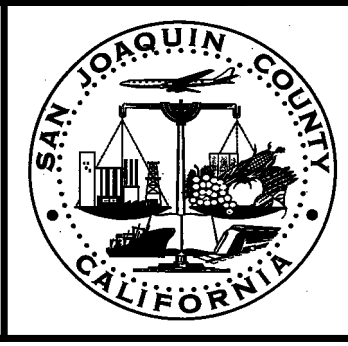
- NOTES:**
1. ALL EXISTING UTILITIES LOCATED WITHIN THE RELIEF CUT SHALL BE CUT AND CAPPED JUST OUTSIDE OF THE LIMITS OF THE RELIEF CUT.
  2. RELIEF CUT ELEVATIONS ARE BASED ON A 100-YEAR STORM EVENT AND MAY NEED TO BE REVISED BASED ON ACTUAL STORM AND WATER LEVEL CONDITIONS.

**BASIS OF ELEVATIONS**  
 ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

**PRELIMINARY**  
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 - FOR STUDY ONLY -



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**SAN JOAQUIN COUNTY**  
 OFFICE OF EMERGENCY SERVICES

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 E-mail: KSN@ksninc.com

**CITY OF STOCKTON**  
**SAN JOAQUIN COUNTY**  
 SMITH TRACT / WEBER TRACT  
**COUNTRY CLUB RELIEF CUT**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

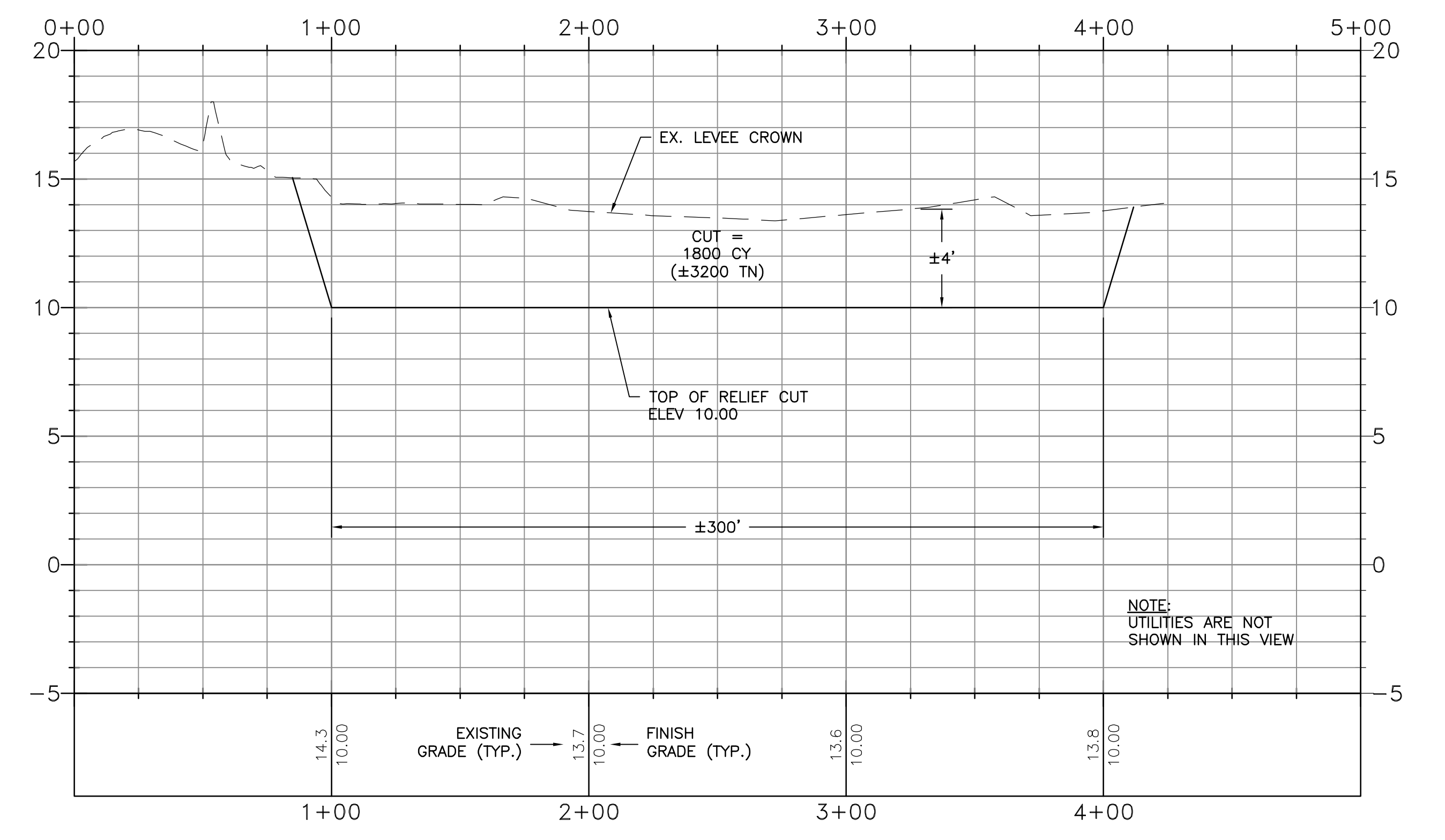
Revisions				
No.	Description	Date	By	Aprvd. By

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Drawn EEA	Original Drawing Scale 0 1/2" 1"	Sheet Number 2 Of 2
Check CHN	Project File No. 1942-0030	

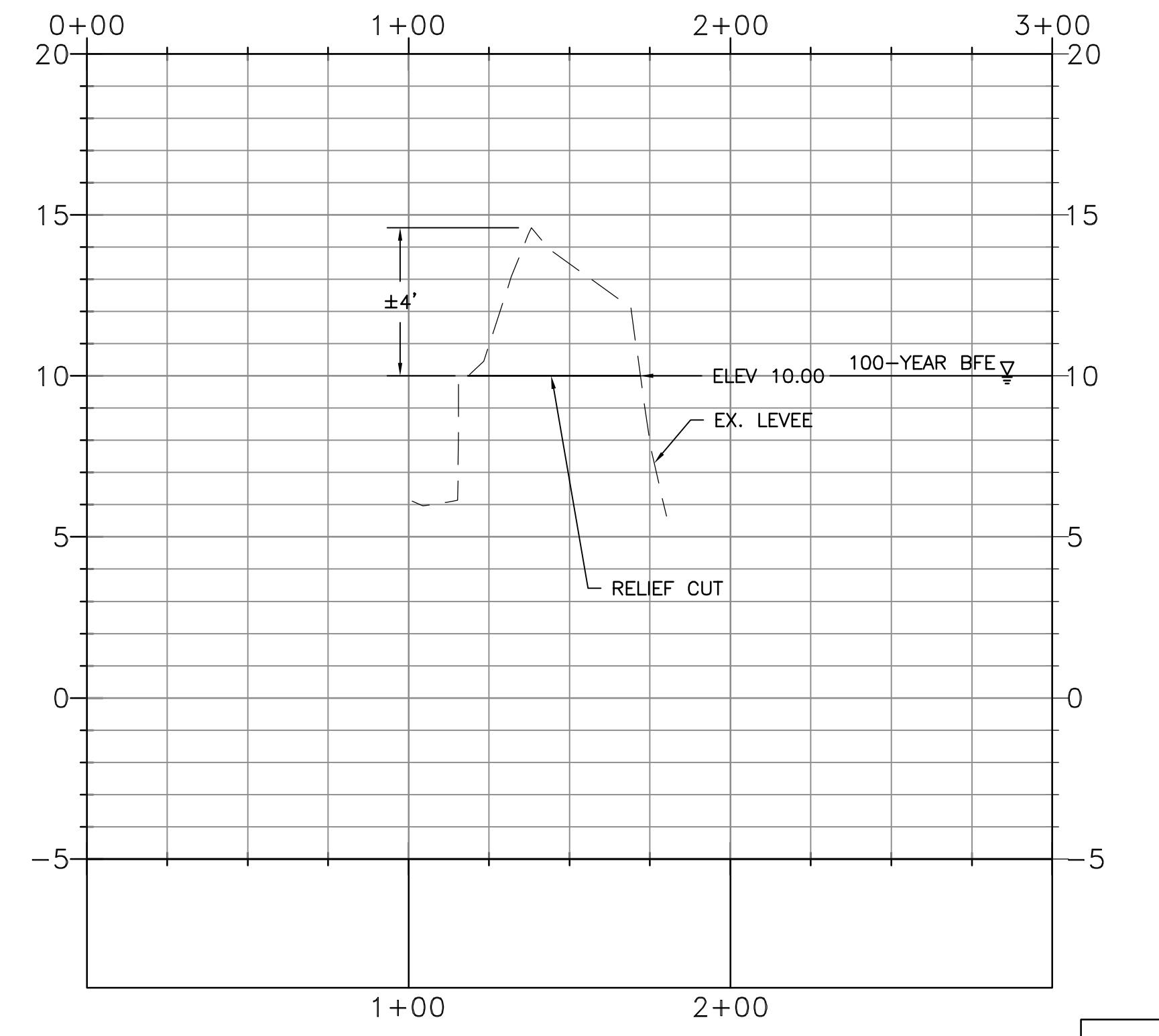
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 PLOT DATE: May 06, 2010 - 10:59am



**LEVEE PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



**LEVEE SECTION**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



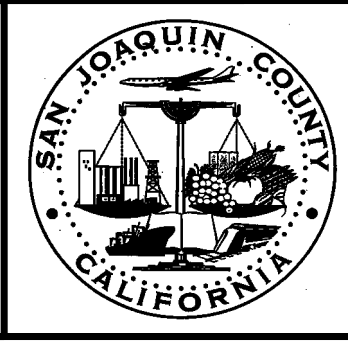
- LEGEND**
- AC ASPHALT CONCRETE
  - CA CABLE
  - CCTV CLOSED CIRCUIT TELEVISION
  - CMPA CORRUGATED METAL PIPE ARCH
  - DI DROP INLET
  - EX. EXISTING
  - FM FORCE MAIN
  - G GAS
  - KV KILOVOLT
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  - RCP REINFORCED CONCRETE PIPE
  - S SANITARY SEWER
  - SD STORM DRAIN
  - STL STEEL
  - TDC TOP DEAD CENTER
  - W WATER

- NOTES:**
- ALL EXISTING UTILITIES LOCATED WITHIN THE RELIEF CUT SHALL BE CUT AND CAPPED JUST OUTSIDE THE LIMITS OF THE RELIEF CUT.
  - SLOPE EROSION PROTECTION SHALL BE CONSTRUCTED ON THE ENTIRE WATERSIDE SLOPE OF THE OPPOSITE BANK OF SMITH CANAL CONSISTING OF ONE LAYER OF 18" MINUS RIPRAP AND ONE LAYER OF 24" MINUS RIPRAP.
  - RELIEF CUT ELEVATIONS ARE BASED ON A 100-YEAR STORM EVENT AND MAY NEED TO BE REVISED BASED ON ACTUAL STORM AND WATER LEVEL CONDITIONS.

**BASIS OF ELEVATIONS**  
 ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

**PRELIMINARY**  
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**SAN JOAQUIN COUNTY**  
 OFFICE OF EMERGENCY SERVICES

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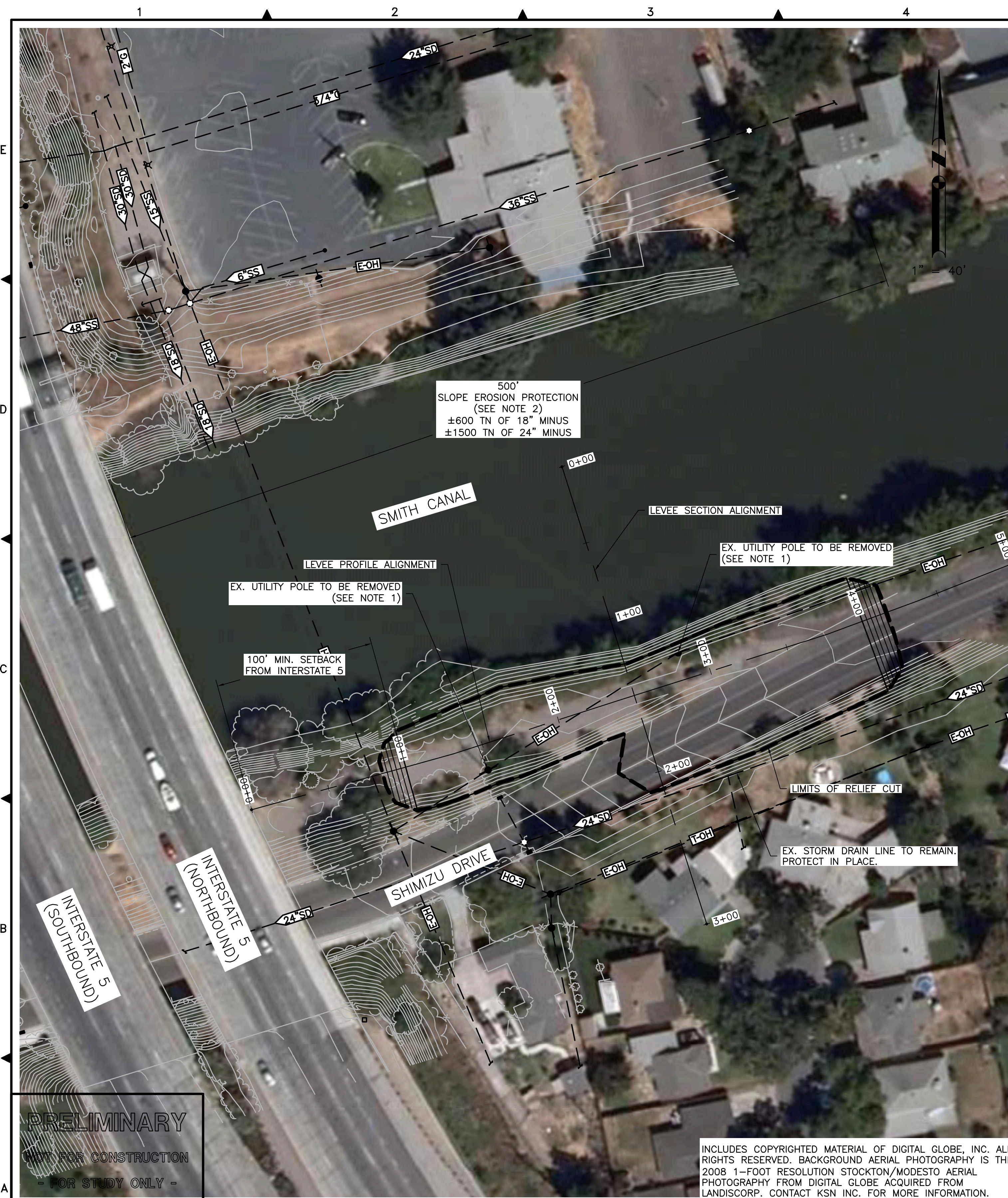
**CITY OF STOCKTON  
 SAN JOAQUIN COUNTY  
 SMITH TRACT / WEBER TRACT**

**KARL ROSS RELIEF CUT**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				
No.	Description	Date	By	Aprvd. By

Design EEA	Scale AS SHOWN Original Drawing Scale 0 1/2" 1"	Date MARCH 2010
Drawn EEA		Sheet Number 1 Of 1
Check CHN		Project File No. 1942-0030

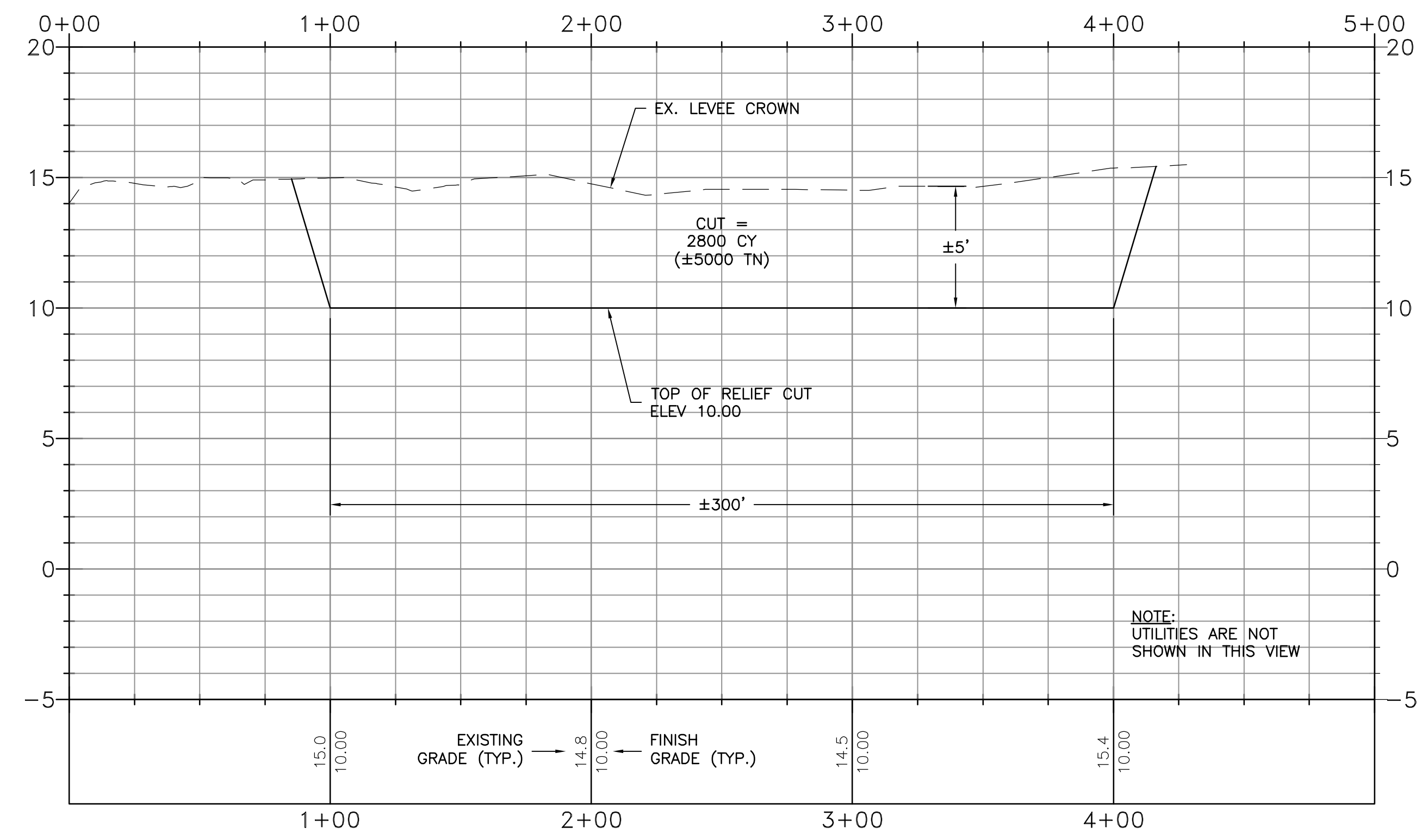
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 PLOT DATE: May 06, 2010 - 10:57am



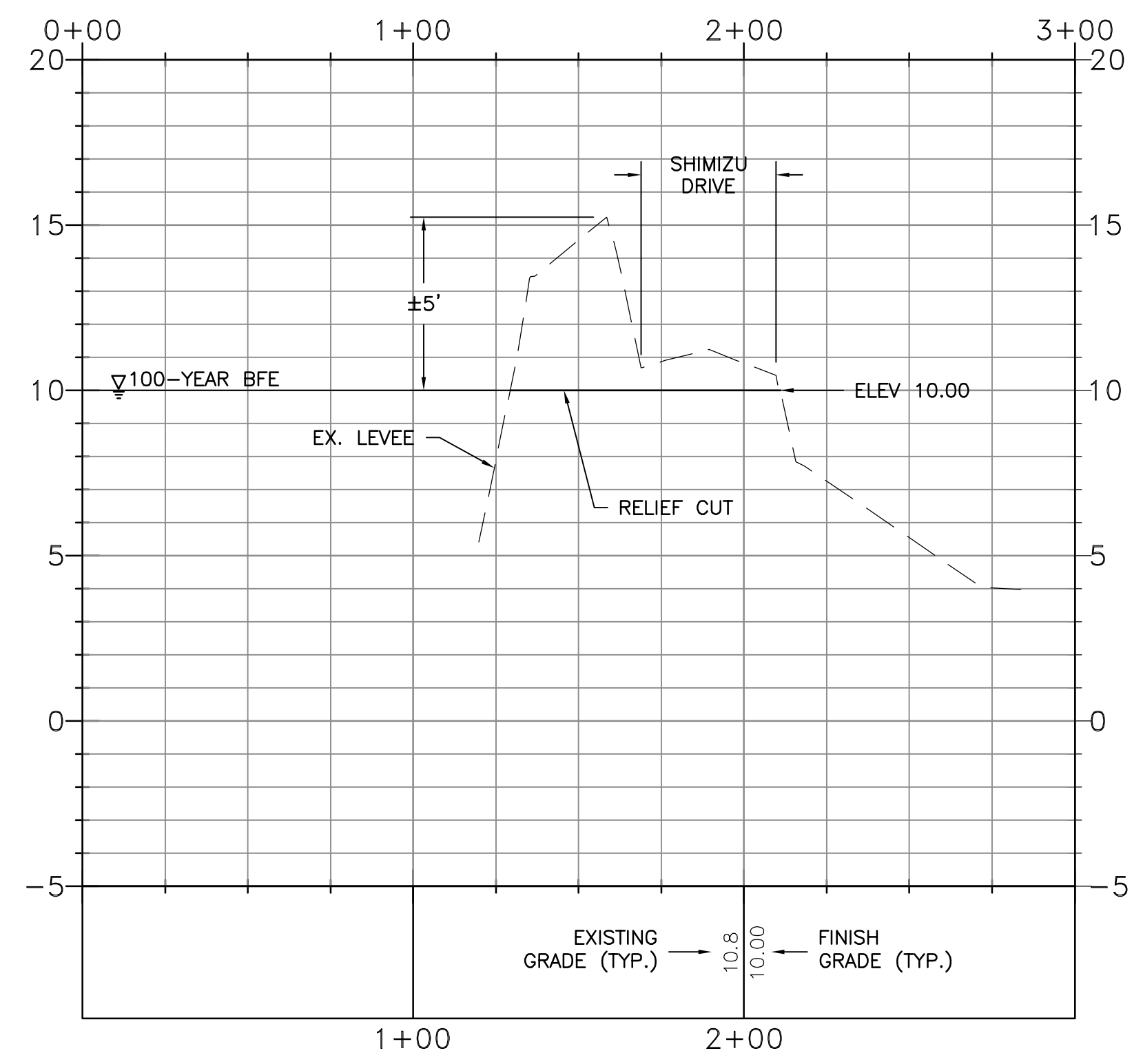
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**LEVEE PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



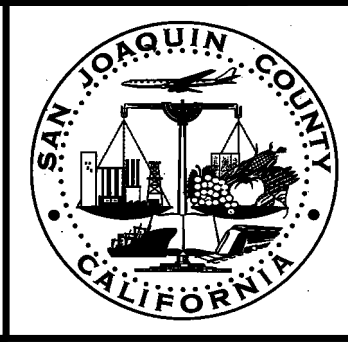
**LEVEE SECTION**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



- LEGEND**
- AC ASPHALT CONCRETE
  - CA CABLE
  - CCTV CLOSED CIRCUIT TELEVISION
  - CMPA CORRUGATED METAL PIPE ARCH
  - DI DROP INLET
  - EX. EXISTING
  - FM FORCE MAIN
  - G GAS
  - KV KILOVOLT
  - OH OVERHEAD
  - RCP REINFORCED CONCRETE PIPE
  - S SANITARY SEWER
  - SD STORM DRAIN
  - STL STEEL
  - TDC TOP DEAD CENTER
  - W WATER

- NOTES:**
1. ALL EXISTING UTILITIES LOCATED WITHIN THE RELIEF CUT SHALL BE CUT AND CAPPED JUST OUTSIDE THE LIMITS OF THE RELIEF CUT.
  2. SLOPE EROSION PROTECTION SHALL BE CONSTRUCTED ON THE ENTIRE WATERSIDE SLOPE OF THE OPPOSITE BANK OF SMITH CANAL CONSISTING OF ONE LAYER OF 18" MINUS RIPRAP AND ONE LAYER OF 24" MINUS RIPRAP.
  3. RELIEF CUT ELEVATIONS ARE BASED ON A 100-YEAR STORM EVENT AND MAY NEED TO BE REVISED BASED ON ACTUAL STORM AND WATER LEVEL CONDITIONS.

**BASIS OF ELEVATIONS**  
 ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



**SAN JOAQUIN COUNTY**  
 OFFICE OF EMERGENCY SERVICES

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 711 N. Pershing Avenue  
 Stockton, CA 95201-0844  
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**CITY OF STOCKTON**  
 SAN JOAQUIN COUNTY  
 SMITH TRACT / WEBER TRACT  
**SHIMIZU RELIEF CUT**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				
No.	Description	Date	By	Aprvd. By

Design EEA	Scale AS SHOWN Original Drawing Scale 0 1/2" 1"	Date MARCH 2010
Drawn EEA		Sheet Number 1 Of 1
Check CHN		Project File No. 1942-0030



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**LEGEND**

- AC ASPHALT CONCRETE
- CA CABLE
- CCTV CLOSED CIRCUIT TELEVISION
- CMPA CORRUGATED METAL PIPE ARCH
- DI DROP INLET
- EX. EXISTING
- FM FORCE MAIN
- G GAS
- KV KILOVOLT
- OH OVERHEAD
- RCP REINFORCED CONCRETE PIPE
- S SANITARY SEWER
- SD STORM DRAIN
- STL STEEL
- TDC TOP DEAD CENTER
- W WATER

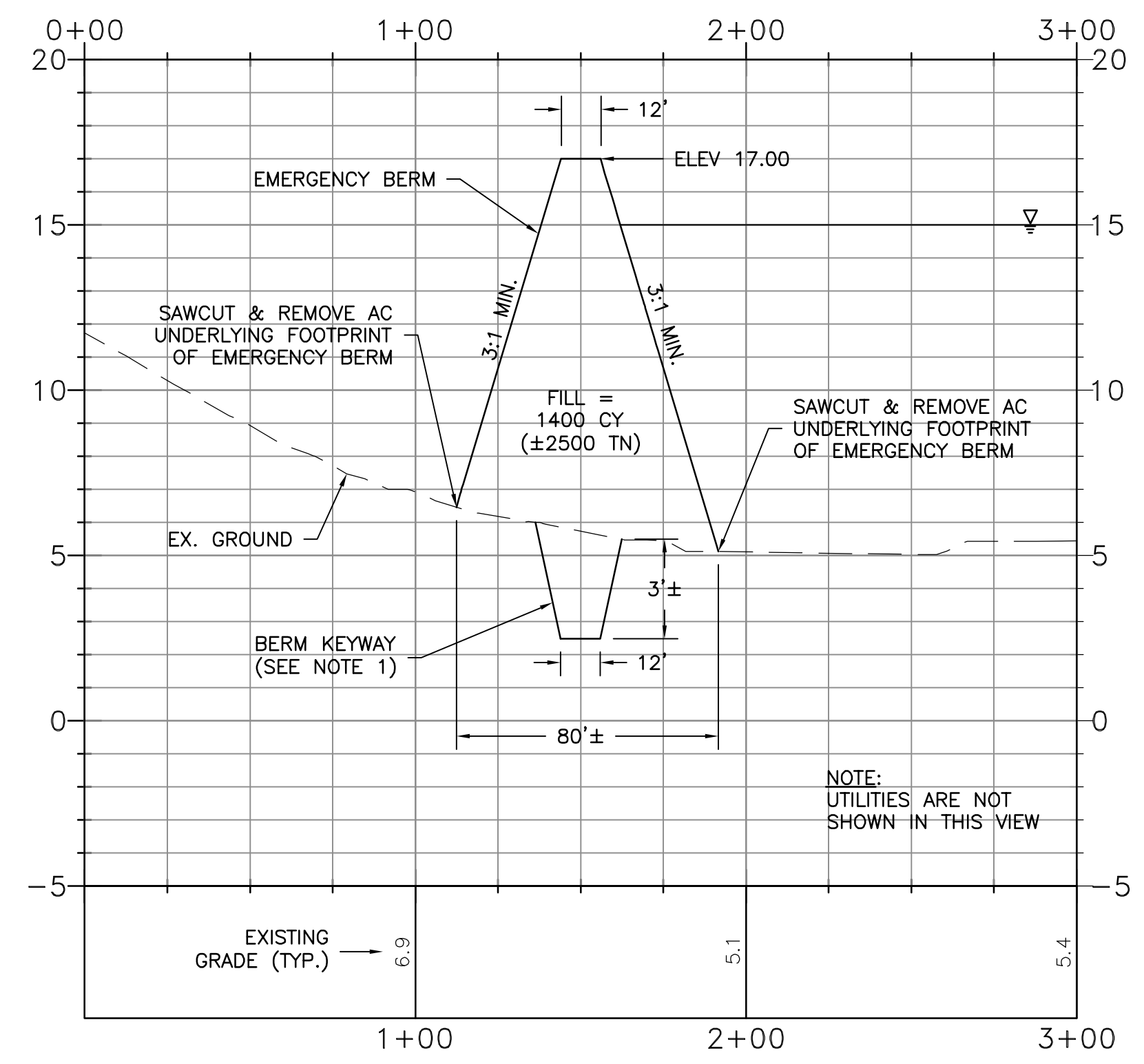
**NOTES:**

1. CARE SHALL BE TAKEN WHEN EXCAVATING BERM KEYWAY. ADJUST DEPTH OF BERM KEYWAY AS NECESSARY (I.E. MAKE SHALLOWER AND WIDER) AS TO NOT CREATE CONFLICT WITH UNDERGROUND UTILITIES.
2. REMOVE ALL AC PAVEMENT, VEGETATION, TREES, AND FENCING WITHIN FOOTPRINT OF EMERGENCY BERM.
3. PLUG STORM DRAIN LINES AS NOTED.
4. FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION IN ACCORDANCE WITH ASTM D1557.
5. EMERGENCY BERM ELEVATIONS ARE BASED ON A 100-YEAR STORM EVENT AND MAY NEED TO BE REVISED BASED ON ACTUAL STORM AND WATER LEVEL CONDITIONS.
6. SMITH TRACT EMERGENCY BERMS ARE ONLY TO BE CONSTRUCTED IN CONJUNCTION WITH COUNTRY CLUB AND/OR KARL ROSS RELIEF CUTS.

**BASIS OF ELEVATIONS**  
ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

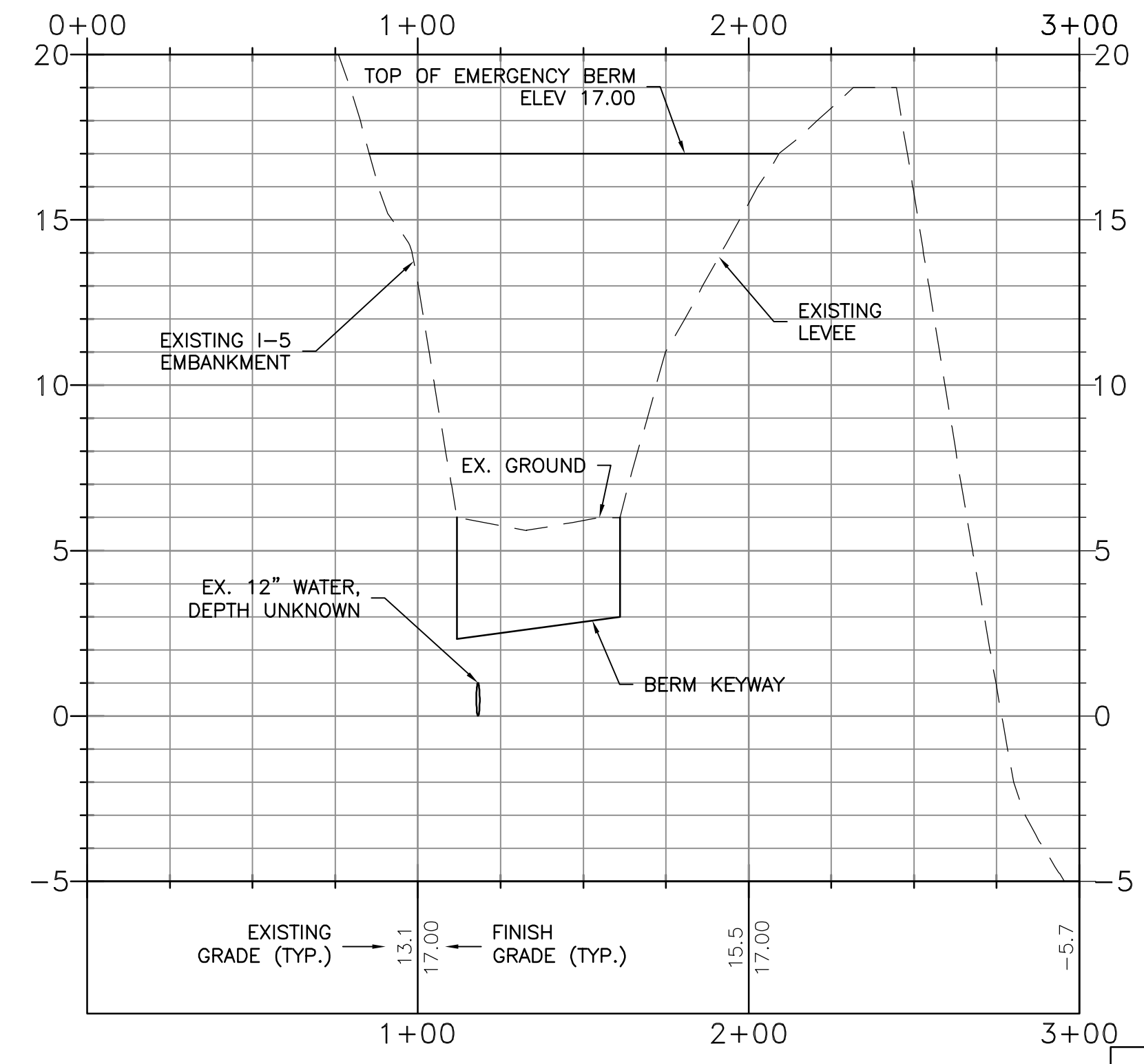
**RIVER DRIVE PROFILE**

SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'

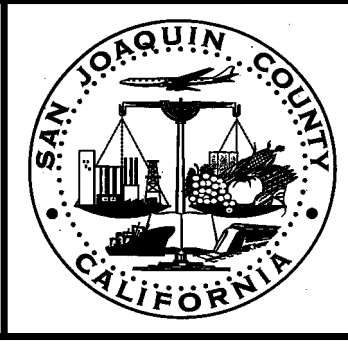


**BERM ALIGNMENT PROFILE**

SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



**PRELIMINARY**  
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FOR STUDY ONLY



**SAN JOAQUIN COUNTY**  
OFFICE OF EMERGENCY SERVICES

**KSN INC.**  
KJELDSSEN  
SINNOCK  
NEUDECK  
Civil Engineers  
and Land Surveyors  
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Stockton, CA 95201-0844  
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E-mail: KSN@ksninc.com

CITY OF STOCKTON  
SAN JOAQUIN COUNTY  
SMITH TRACT / WEBER TRACT  
**1-5 & RIVER DRIVE**  
**SMITH TRACT EMERGENCY BERMS**  
PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions					Design	Scale	Date
No.	Description	Date	By	Aprvd. By	EEA	AS SHOWN	MARCH 2010
					EEA	Original Drawing Scale	Sheet Number
						0 1/2" 1"	1 Of 5
							Project File No.
							1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Emergency BERM\_Smith.dwg  
PLOT DATE: May 06, 2010 - 11:19am



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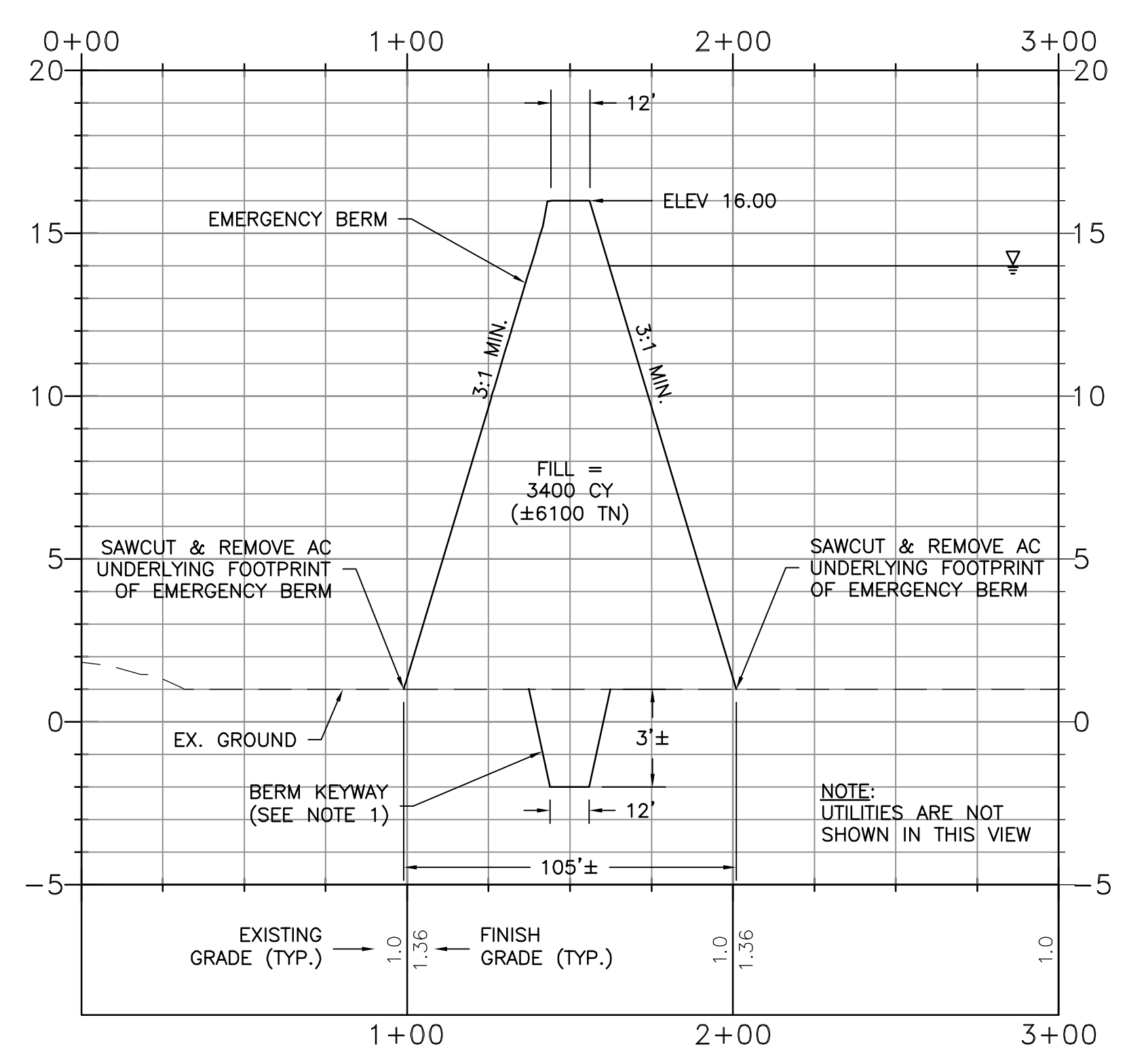
**LEGEND**

AC	ASPHALT CONCRETE
CA	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CMPA	CORRUGATED METAL PIPE ARCH
DI	DROP INLET
EX.	EXISTING
FM	FORCE MAIN
G	GAS
KV	KILOVOLT
OH	OVERHEAD
RCP	REINFORCED CONCRETE PIPE
S	SANITARY SEWER
SD	STORM DRAIN
STL	STEEL
TDC	TOP DEAD CENTER
W	WATER

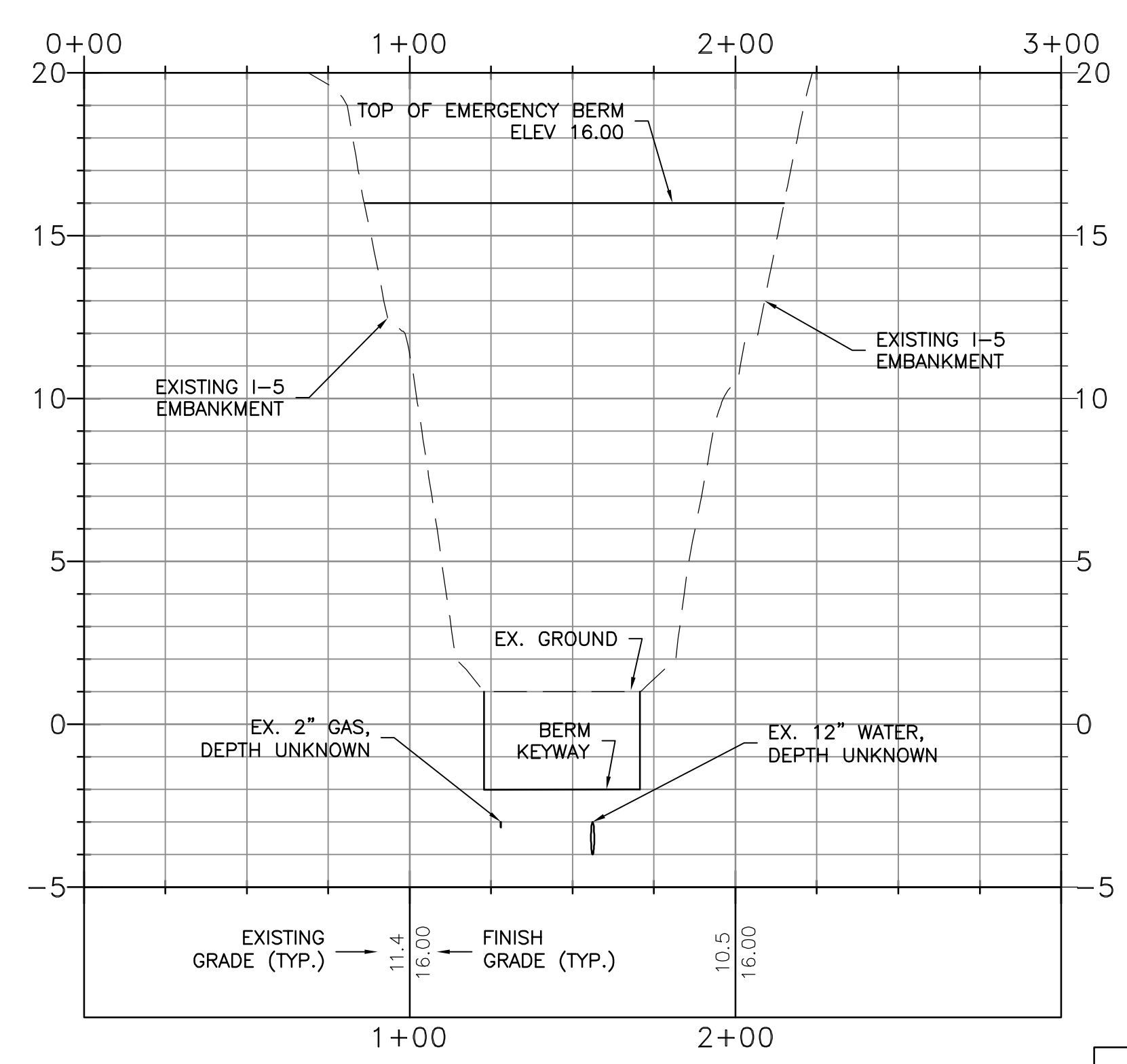
- NOTES:**
- CARE SHALL BE TAKEN WHEN EXCAVATING BERM KEYWAY. ADJUST DEPTH OF BERM KEYWAY AS NECESSARY (I.E. MAKE SHALLOWER AND WIDER) AS TO NOT CREATE CONFLICT WITH UNDERGROUND UTILITIES.
  - REMOVE ALL AC PAVEMENT, VEGETATION, TREES, AND FENCING WITHIN FOOTPRINT OF EMERGENCY BERM.
  - PLUG STORM DRAIN LINES AS NOTED.
  - FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION IN ACCORDANCE WITH ASTM D1557.
  - EMERGENCY BERM ELEVATIONS ARE BASED ON A 100-YEAR STORM EVENT AND MAY NEED TO BE REVISED BASED ON ACTUAL STORM AND WATER LEVEL CONDITIONS.
  - SMITH TRACT EMERGENCY BERMS ARE ONLY TO BE CONSTRUCTED IN CONJUNCTION WITH COUNTRY CLUB AND/OR KARL ROSS RELIEF CUTS.

**BASIS OF ELEVATIONS**  
ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

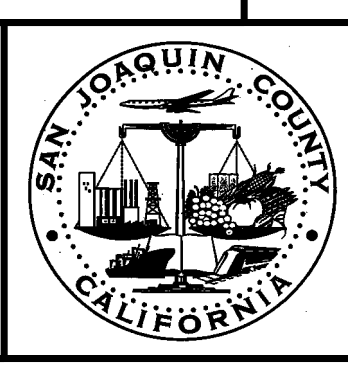
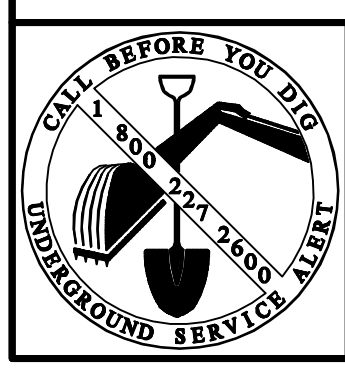
**TELEGRAPH AVE. PROFILE**  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



**BERM ALIGNMENT PROFILE**  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



**PRELIMINARY**  
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FOR STUDY ONLY



**SAN JOAQUIN COUNTY**  
OFFICE OF EMERGENCY SERVICES

**KSN INC.**  
KJELDSSEN  
SINNOCK  
NEUDECK  
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and Land Surveyors  
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**CITY OF STOCKTON**  
**SAN JOAQUIN COUNTY**  
SMITH TRACT / WEBER TRACT  
**I-5 & TELEGRAPH AVENUE**  
**SMITH TRACT EMERGENCY BERMS**  
PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				Design EEA	Scale AS SHOWN	Date MARCH 2010
No.	Description	Date	By			
					Original Drawing Scale 0 1/2" = 1"	Sheet Number <b>2</b> Of 5
						Project File No. 1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Emergency Berm\_Smith.dwg  
PLOT DATE: May 06, 2010 - 11:24am

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Emergency Berm\_Smith.dwg  
 PLOT DATE: May 06, 2010 - 11:28am



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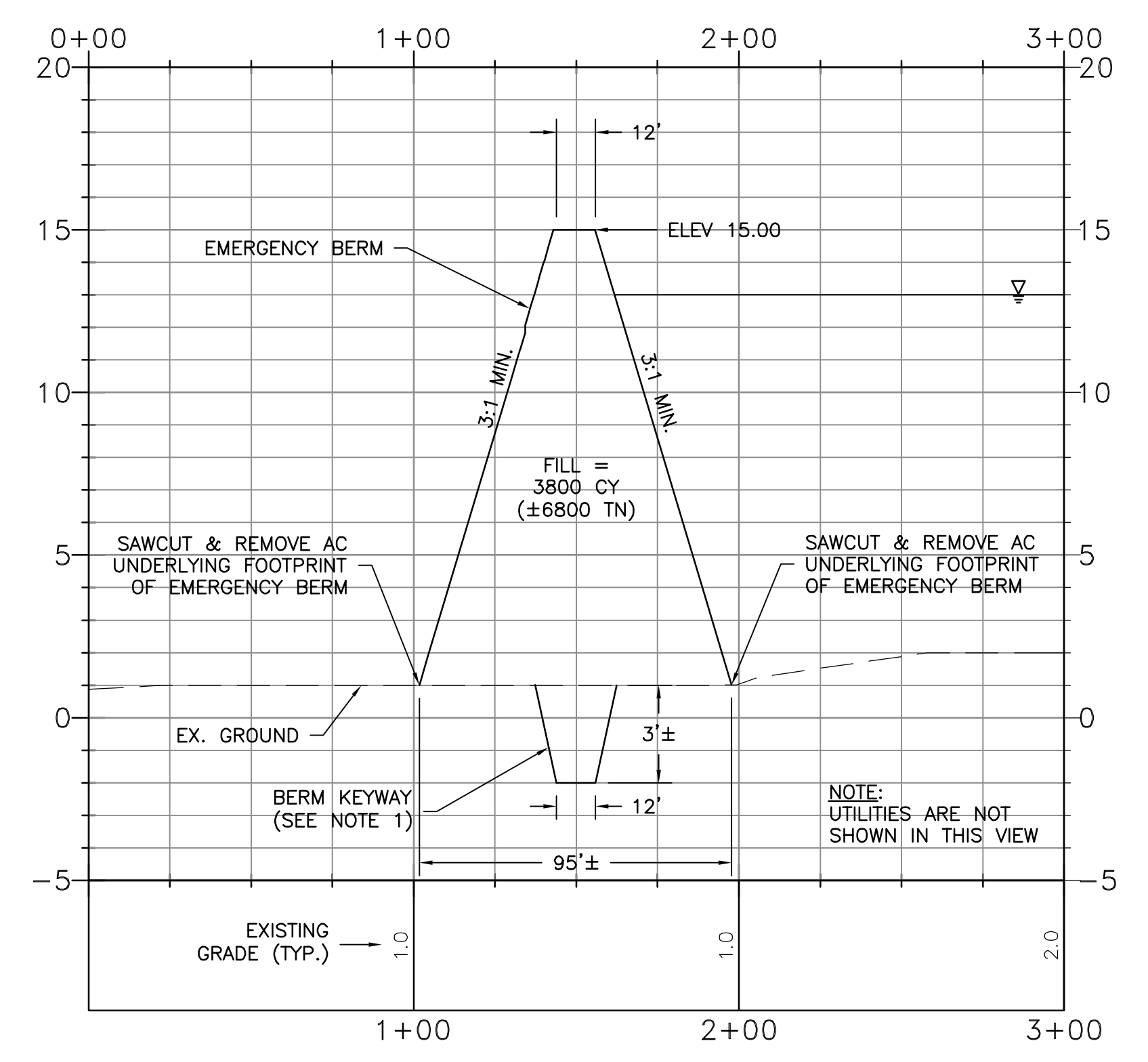
**LEGEND**

AC	ASPHALT CONCRETE
CA	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CMPA	CORRUGATED METAL PIPE ARCH
DI	DROP INLET
EX.	EXISTING
FM	FORCE MAIN
G	GAS
KV	KILOVOLT
OH	OVERHEAD
RCP	REINFORCED CONCRETE PIPE
S	SANITARY SEWER
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TDC	TOP DEAD CENTER
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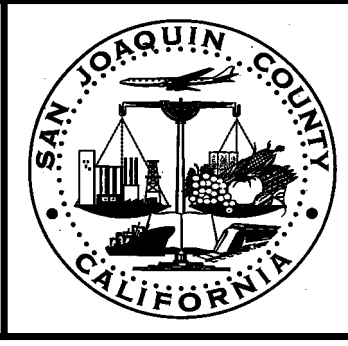
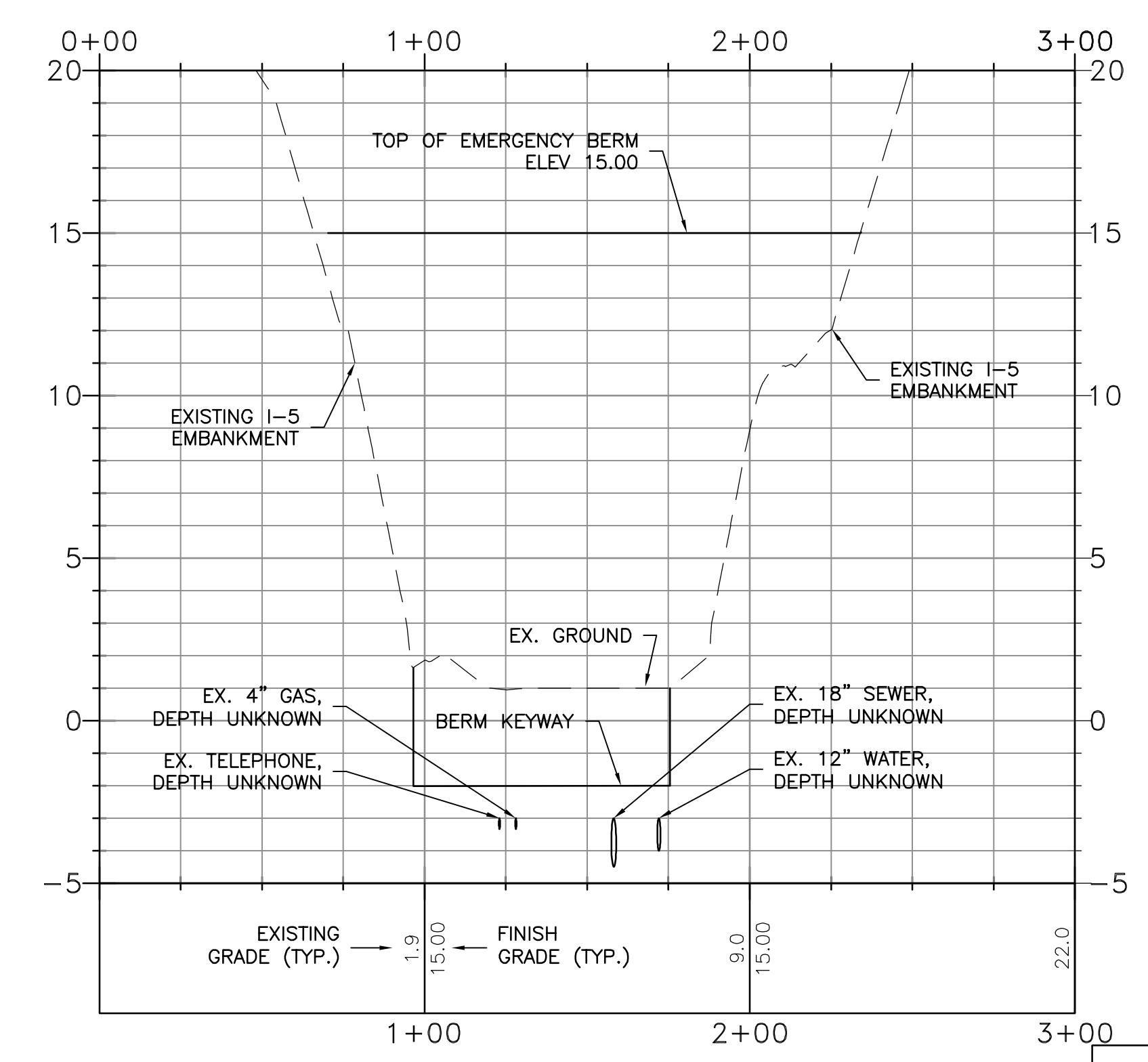
- NOTES:**
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**BASIS OF ELEVATIONS**  
 ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

**ALPINE AVENUE PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



**BERM ALIGNMENT PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'

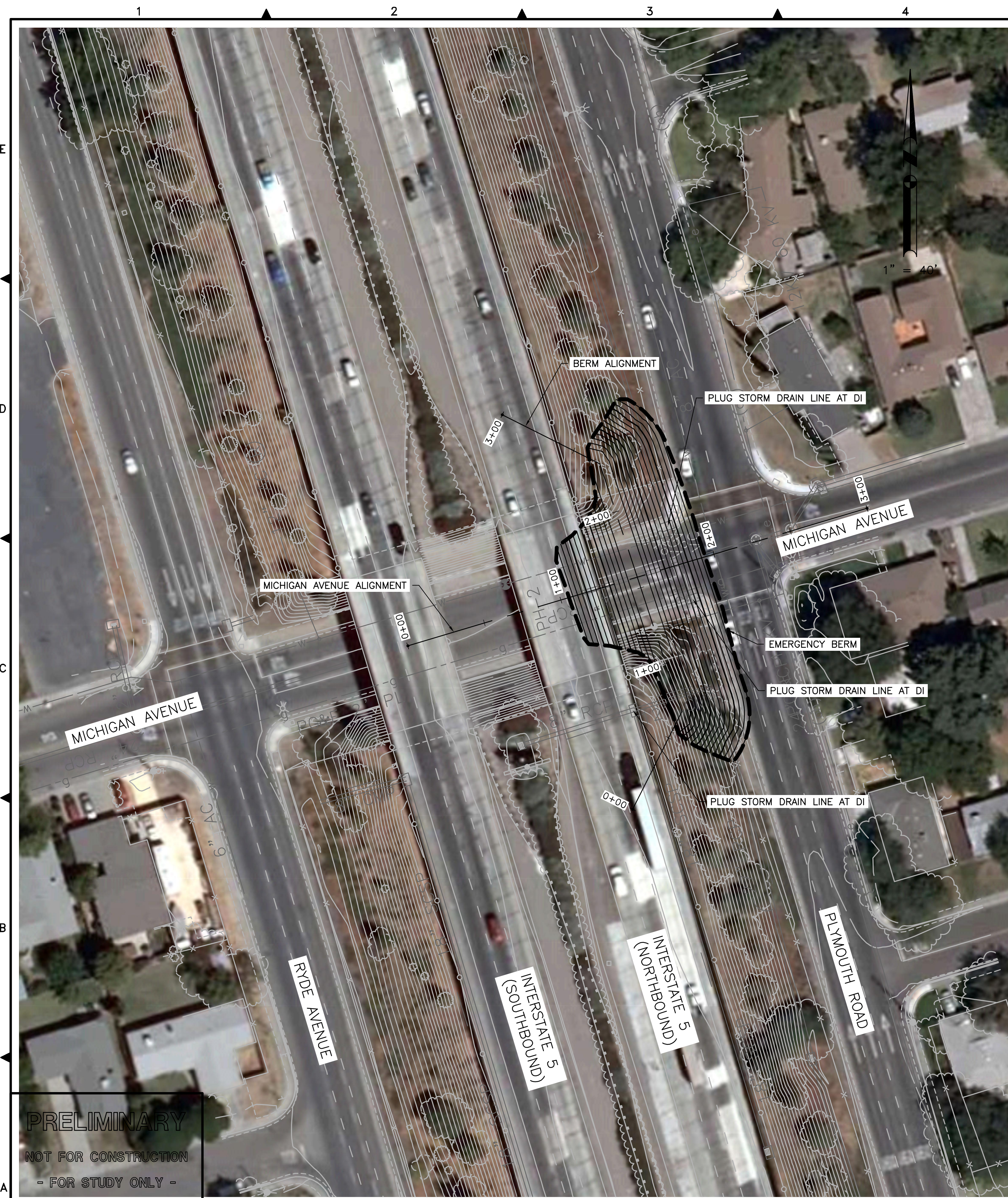


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 OFFICE OF EMERGENCY SERVICES

**KSN INC.**  
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**CITY OF STOCKTON**  
**SAN JOAQUIN COUNTY**  
 SMITH TRACT / WEBER TRACT  
**I-5 & ALPINE AVENUE**  
**SMITH TRACT EMERGENCY BERMS**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				Design EEA	Scale AS SHOWN	Date MARCH 2010
No.	Description	Date	By			
					Original Drawing Scale 0 1/2" = 1"	Sheet Number <b>3</b> Of 5
						Project File No. 1942-0030



**PRELIMINARY**  
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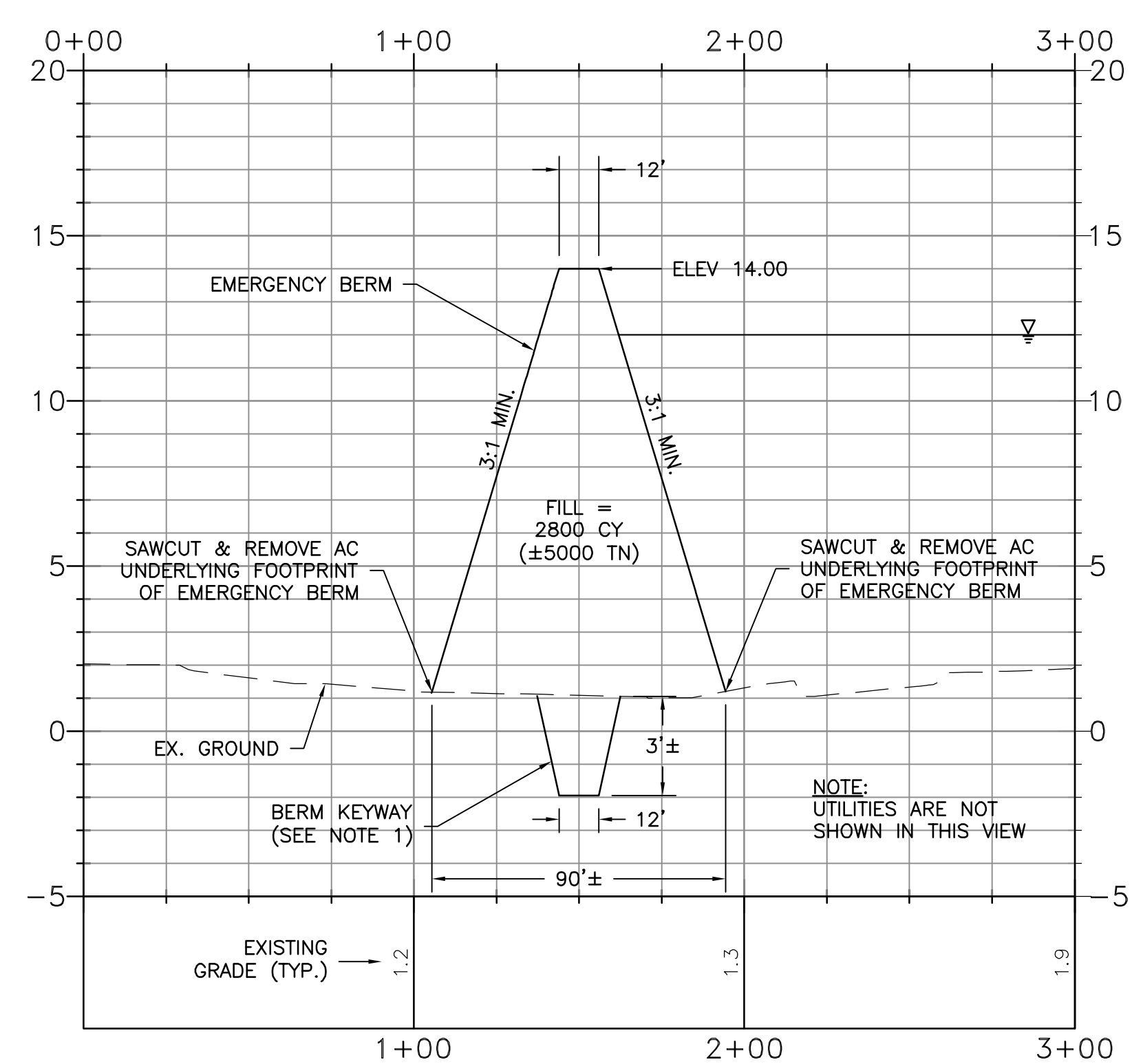
**LEGEND**

AC	ASPHALT CONCRETE
CA	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CMPA	CORRUGATED METAL PIPE ARCH
DI	DROP INLET
EX.	EXISTING
FM	FORCE MAIN
G	GAS
KV	KILOVOLT
OH	OVERHEAD
RCP	REINFORCED CONCRETE PIPE
S	SANITARY SEWER
SD	STORM DRAIN
STL	STEEL
TDC	TOP DEAD CENTER
W	WATER

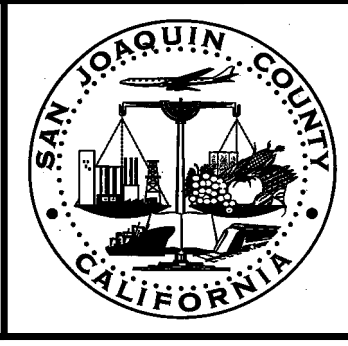
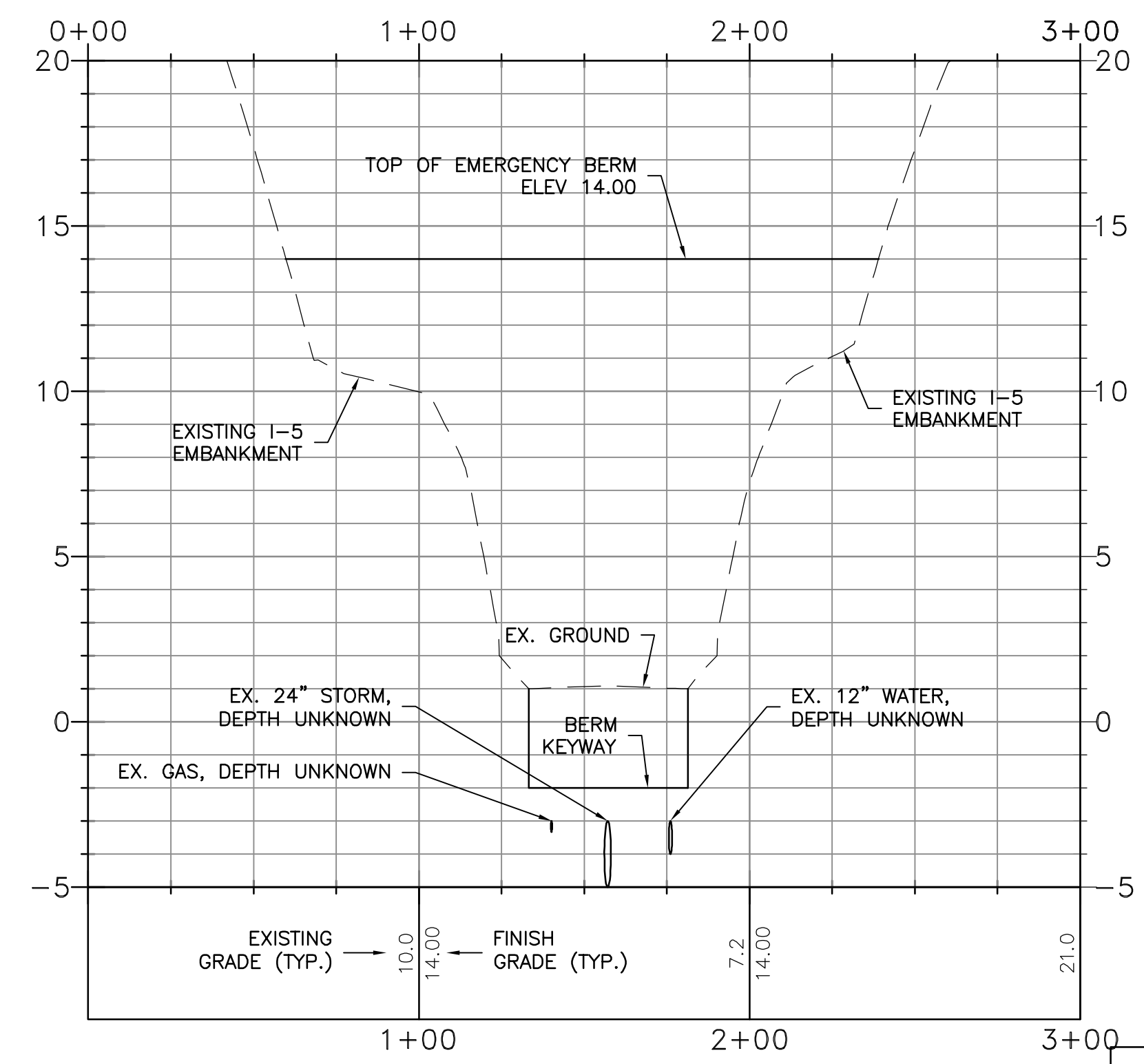
- NOTES:**
- CARE SHALL BE TAKEN WHEN EXCAVATING BERM KEYWAY. ADJUST DEPTH OF BERM KEYWAY AS NECESSARY (I.E. MAKE SHALLOWER AND WIDER) AS TO NOT CREATE CONFLICT WITH UNDERGROUND UTILITIES.
  - REMOVE ALL AC PAVEMENT, VEGETATION, TREES, AND FENCING WITHIN FOOTPRINT OF EMERGENCY BERM.
  - PLUG STORM DRAIN LINES AS NOTED.
  - FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION IN ACCORDANCE WITH ASTM D1557.
  - EMERGENCY BERM ELEVATIONS ARE BASED ON A 100-YEAR STORM EVENT AND MAY NEED TO BE REVISED BASED ON ACTUAL STORM AND WATER LEVEL CONDITIONS.
  - SMITH TRACT EMERGENCY BERMS ARE ONLY TO BE CONSTRUCTED IN CONJUNCTION WITH COUNTRY CLUB AND/OR KARL ROSS RELIEF CUTS.

**BASIS OF ELEVATIONS**  
ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

**MICHIGAN AVENUE PROFILE**  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



**BERM ALIGNMENT PROFILE**  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



**SAN JOAQUIN COUNTY**  
OFFICE OF EMERGENCY SERVICES

**KSN** KJELDSSEN SINNOCK NEUDECK INC.  
Civil Engineers and Land Surveyors  
Post Office Box 844  
711 N. Pershing Avenue  
Stockton, CA 95201-0844  
Office: (209) 946-0268  
Faxes: (209) 946-0296  
E-mail: KSN@ksninc.com

CITY OF STOCKTON  
SAN JOAQUIN COUNTY  
SMITH TRACT / WEBER TRACT  
**I-5 & MICHIGAN AVENUE  
SMITH TRACT EMERGENCY BERMS**  
PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				Design EEA	Scale AS SHOWN	Date MARCH 2010
No.	Description	Date	By			
					Original Drawing Scale 0 1/2" 1"	Sheet Number <b>4</b> Of 5
						Project File No. 1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Emergency Berm\_Smith.dwg  
PLOT DATE: May 06, 2010 - 11:31am





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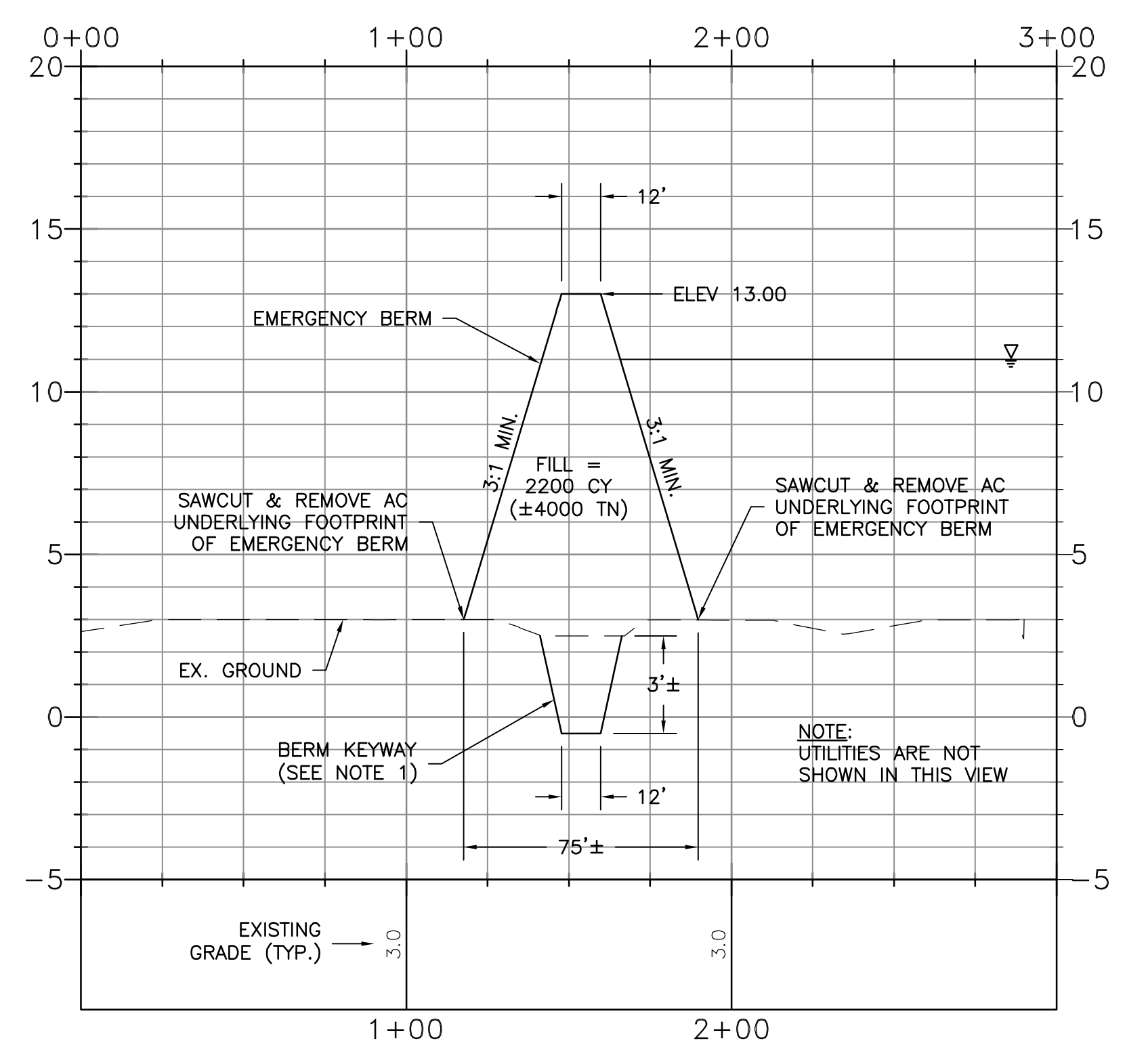
**LEGEND**

AC	ASPHALT CONCRETE
CA	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CMPA	CORRUGATED METAL PIPE ARCH
DI	DROP INLET
EX.	EXISTING
FM	FORCE MAIN
G	GAS
KV	KILOVOLT
OH	OVERHEAD
RCP	REINFORCED CONCRETE PIPE
S	SANITARY SEWER
SD	STORM DRAIN
STL	STEEL
TDC	TOP DEAD CENTER
W	WATER

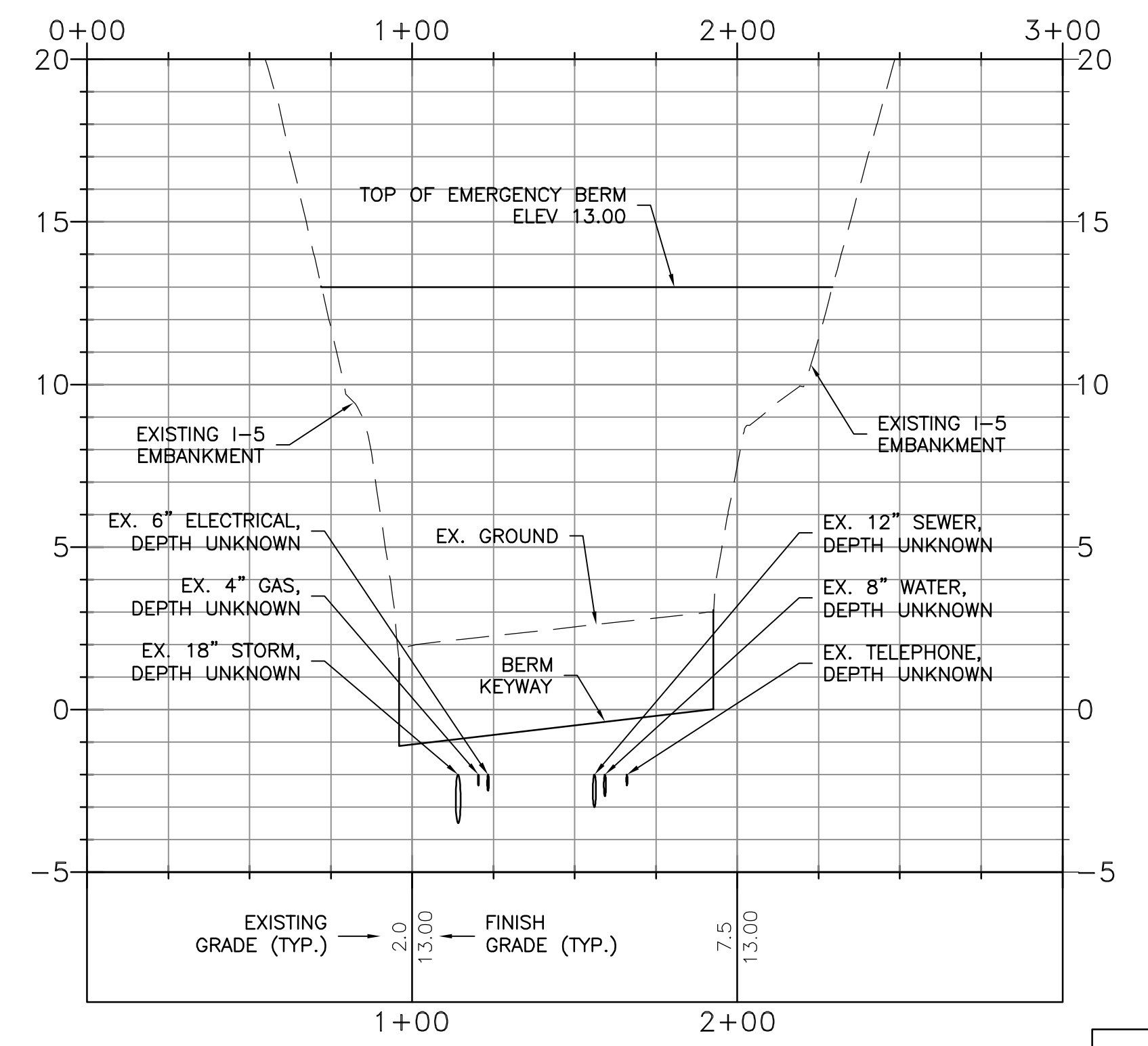
- NOTES:**
- CARE SHALL BE TAKEN WHEN EXCAVATING BERM KEYWAY. ADJUST DEPTH OF BERM KEYWAY AS NECESSARY (I.E. MAKE SHALLOWER AND WIDER) AS TO NOT CREATE CONFLICT WITH UNDERGROUND UTILITIES.
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**BASIS OF ELEVATIONS**  
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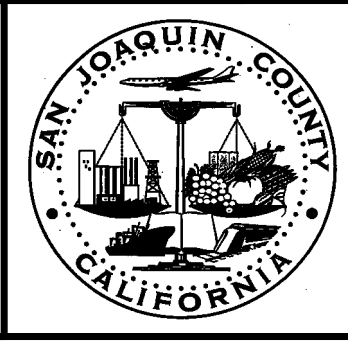
**COUNTRY CLUB PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



**BERM ALIGNMENT PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



**PRELIMINARY**  
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**SAN JOAQUIN COUNTY**  
 OFFICE OF EMERGENCY SERVICES

**KSN INC.**  
 KJELDEN SINNOCK NEUDECK  
 Civil Engineers and Land Surveyors  
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 E-mail: KSN@ksninc.com

**CITY OF STOCKTON**  
**SAN JOAQUIN COUNTY**  
 SMITH TRACT / WEBER TRACT  
**1-5 & COUNTRY CLUB BLVD.**  
**SMITH TRACT EMERGENCY BERMS**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				Design EEA	Scale AS SHOWN	Date MARCH 2010
No.	Description	Date	By			
					Original Drawing Scale 0 1/2" 1"	Sheet Number <b>5</b> Of 5
						Project File No. 1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Emergency Berm\_Smith.dwg  
 PLOT DATE: May 06, 2010 - 11:32am



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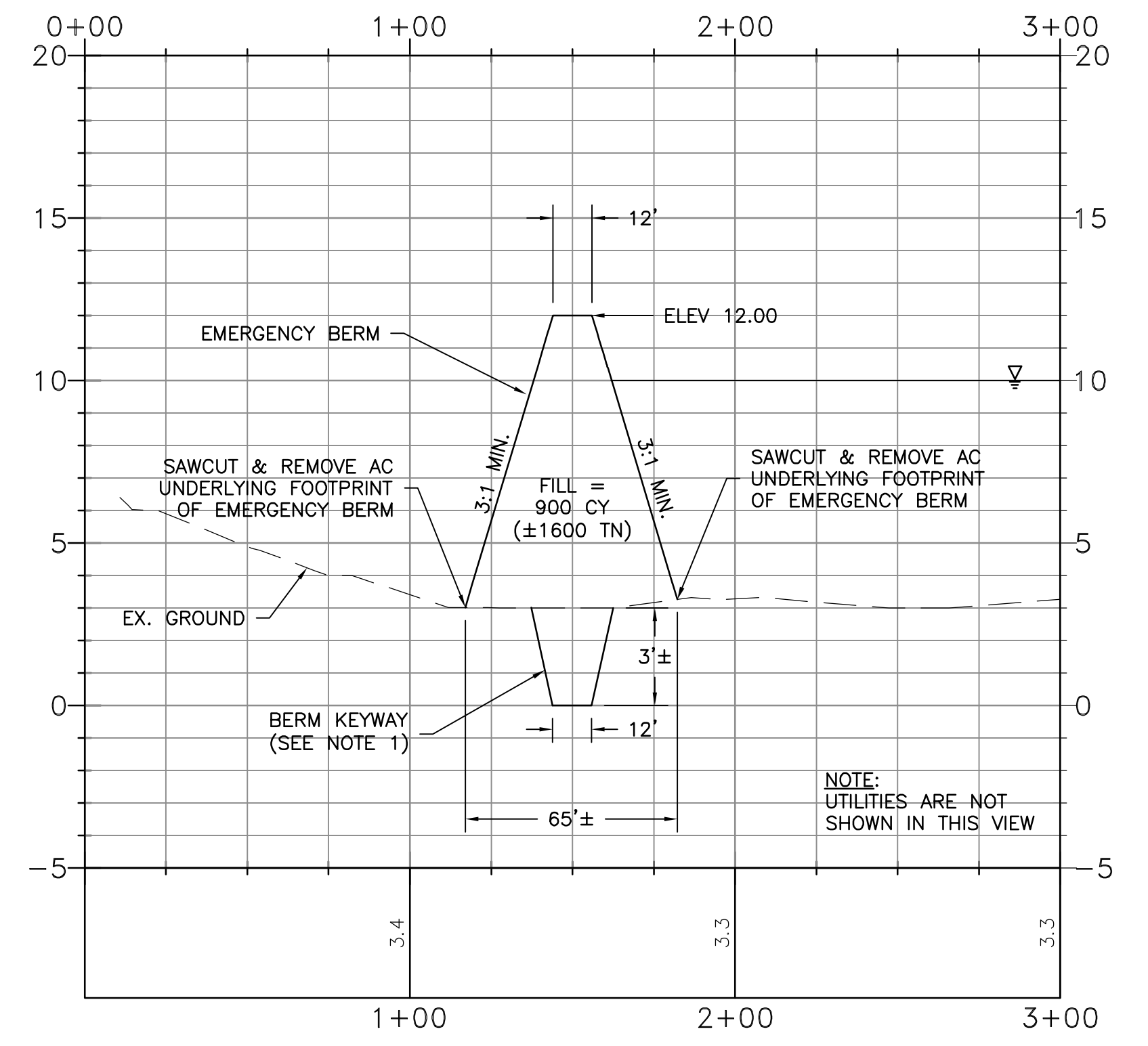
**LEGEND**

AC	ASPHALT CONCRETE
CA	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CMPA	CORRUGATED METAL PIPE ARCH
DI	DROP INLET
EX.	EXISTING
FM	FORCE MAIN
G	GAS
KV	KILOVOLT
OH	OVERHEAD
RCP	REINFORCED CONCRETE PIPE
S	SANITARY SEWER
SD	STORM DRAIN
STL	STEEL
TDC	TOP DEAD CENTER
W	WATER

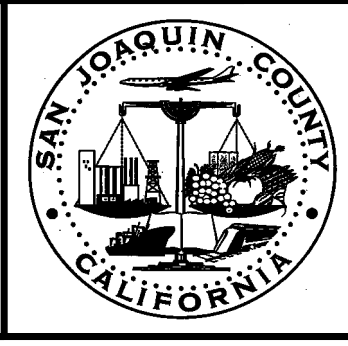
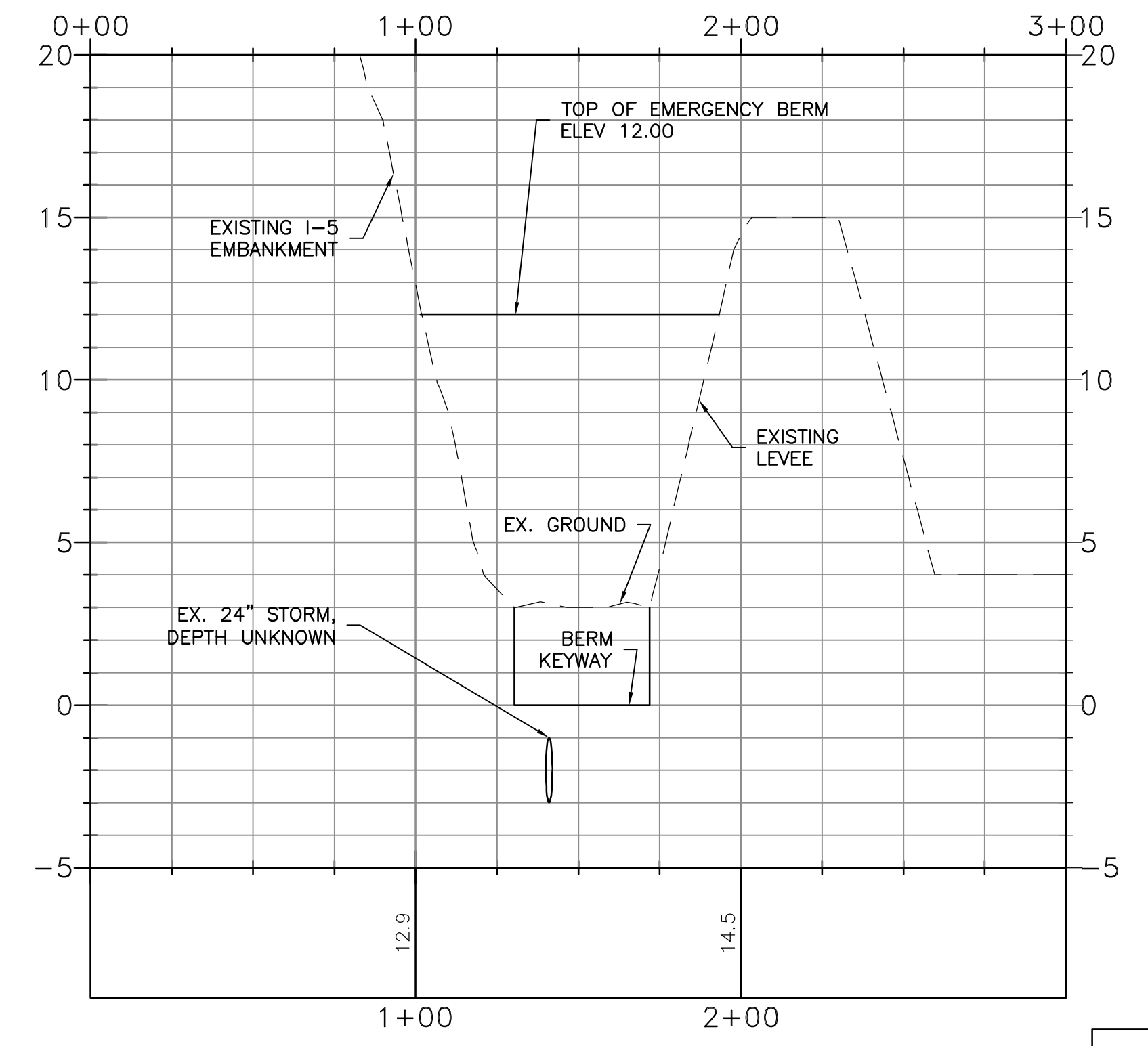
- NOTES:**
- CARE SHALL BE TAKEN WHEN EXCAVATING BERM KEYWAY. ADJUST DEPTH OF BERM KEYWAY AS NECESSARY (I.E. MAKE SHALLOWER AND WIDER) AS TO NOT CREATE CONFLICT WITH UNDERGROUND UTILITIES.
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**BASIS OF ELEVATIONS**  
ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVY 88).

**SHIMIZU DRIVE PROFILE**  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



**BERM ALIGNMENT PROFILE**  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



**SAN JOAQUIN COUNTY**  
OFFICE OF EMERGENCY SERVICES

**KSN** KJELDEN SINNOCK NEUDECK INC.  
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E-mail: KSN@ksninc.com

CITY OF STOCKTON  
SAN JOAQUIN COUNTY  
SMITH TRACT / WEBER TRACT  
**1-5 & SHIMIZU DRIVE**  
**WEBER TRACT EMERGENCY BERMS**  
PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				Design EEA	Scale AS SHOWN	Date MARCH 2010
No.	Description	Date	By			
					Original Drawing Scale 0 1/2" 1"	Sheet Number <b>1</b> Of <b>3</b>
						Project File No. 1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Emergency Berm\_Weber.dwg  
PLOT DATE: May 06, 2010 - 11:14am

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Plot Maps\0030\05\_Civil\PED\_Smith\_Emergency Berm\_Weber.dwg  
 PLOT DATE: May 06, 2010 - 11:12am



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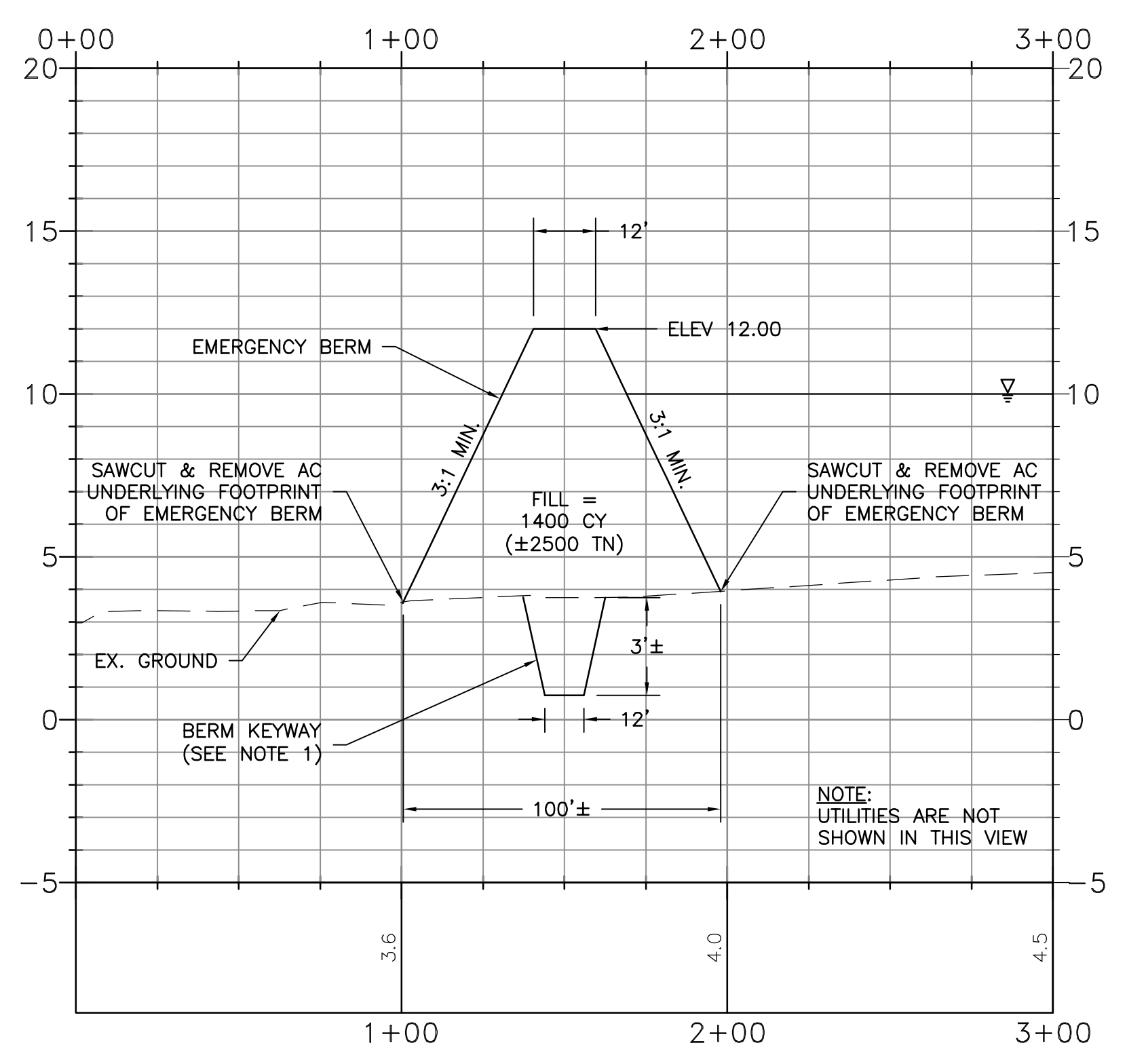
**LEGEND**

AC	ASPHALT CONCRETE
CA	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CMPA	CORRUGATED METAL PIPE ARCH
DI	DROP INLET
EX.	EXISTING
FM	FORCE MAIN
G	GAS
KV	KILOVOLT
OH	OVERHEAD
RCP	REINFORCED CONCRETE PIPE
S	SANITARY SEWER
SD	STORM DRAIN
STL	STEEL
TDC	TOP DEAD CENTER
W	WATER

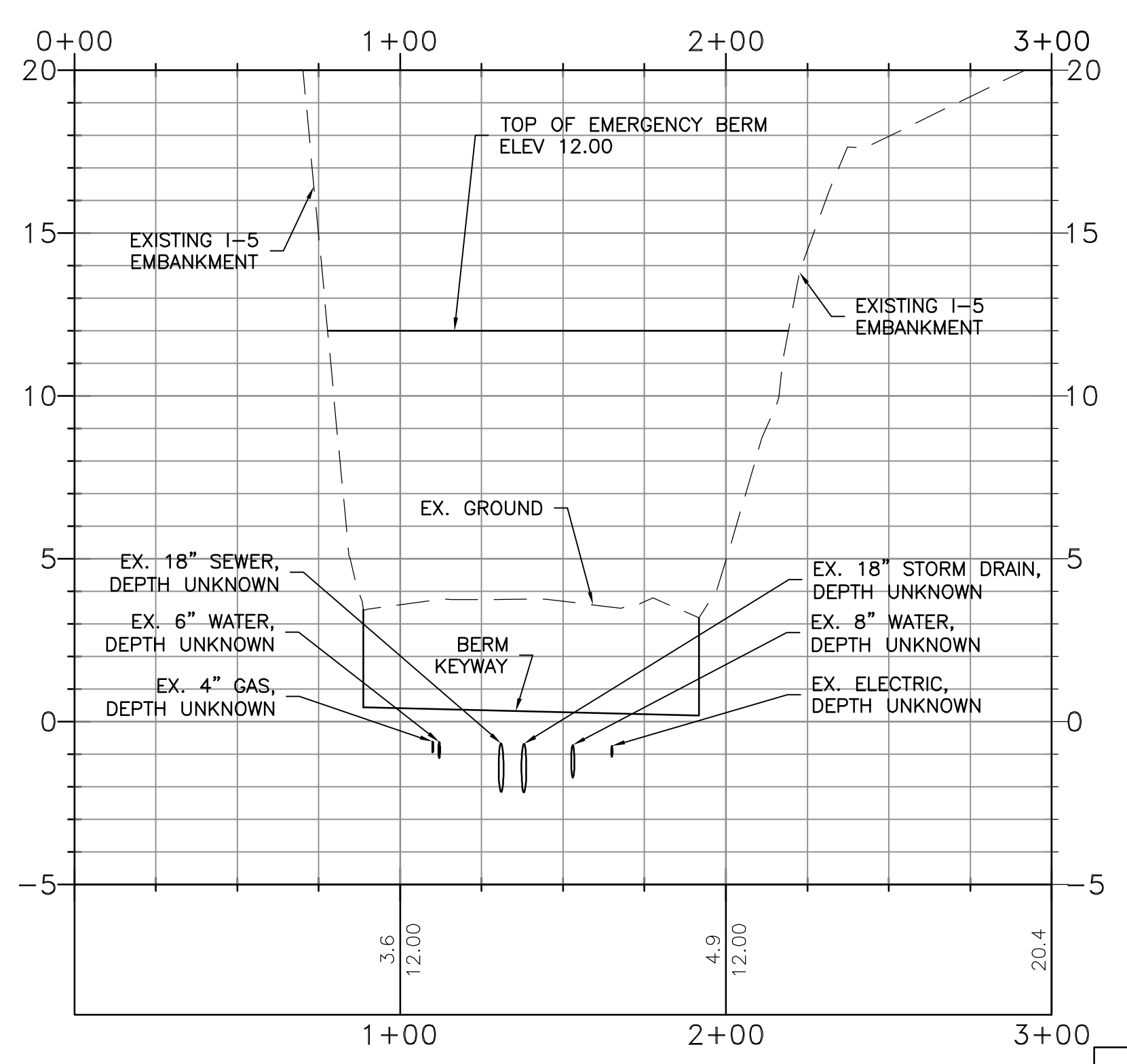
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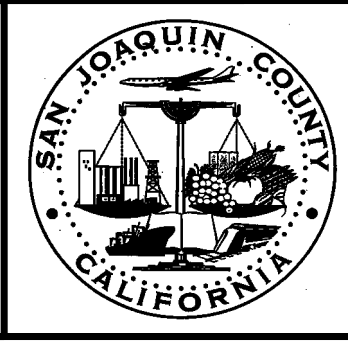
**MONTE DIABLO PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



**BERM ALIGNMENT PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



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**SAN JOAQUIN COUNTY**  
 OFFICE OF EMERGENCY SERVICES

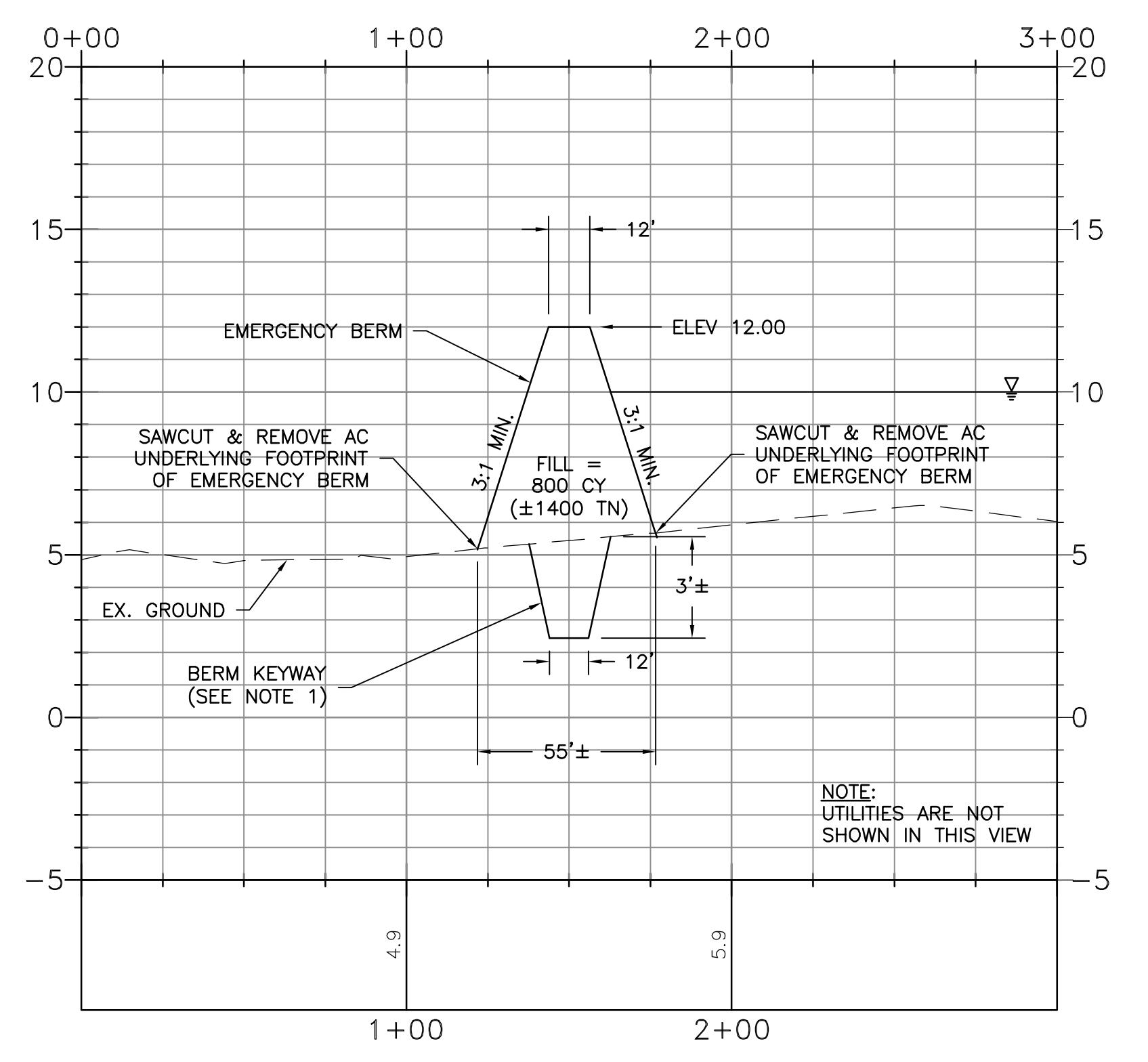
**KSN** KJELDSSEN SINNOCK NEUDECK INC.  
 Civil Engineers and Land Surveyors  
 Post Office Box 844  
 711 N. Pershing Avenue  
 Stockton, CA 95201-0844  
 Office: (209) 946-0268  
 Faxes: (209) 946-0296  
 E-mail: KSN@ksninc.com

CITY OF STOCKTON  
 SAN JOAQUIN COUNTY  
 SMITH TRACT / WEBER TRACT  
**I-5 & MONTE DIABLO AVENUE**  
**WEBER TRACT EMERGENCY BERMS**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

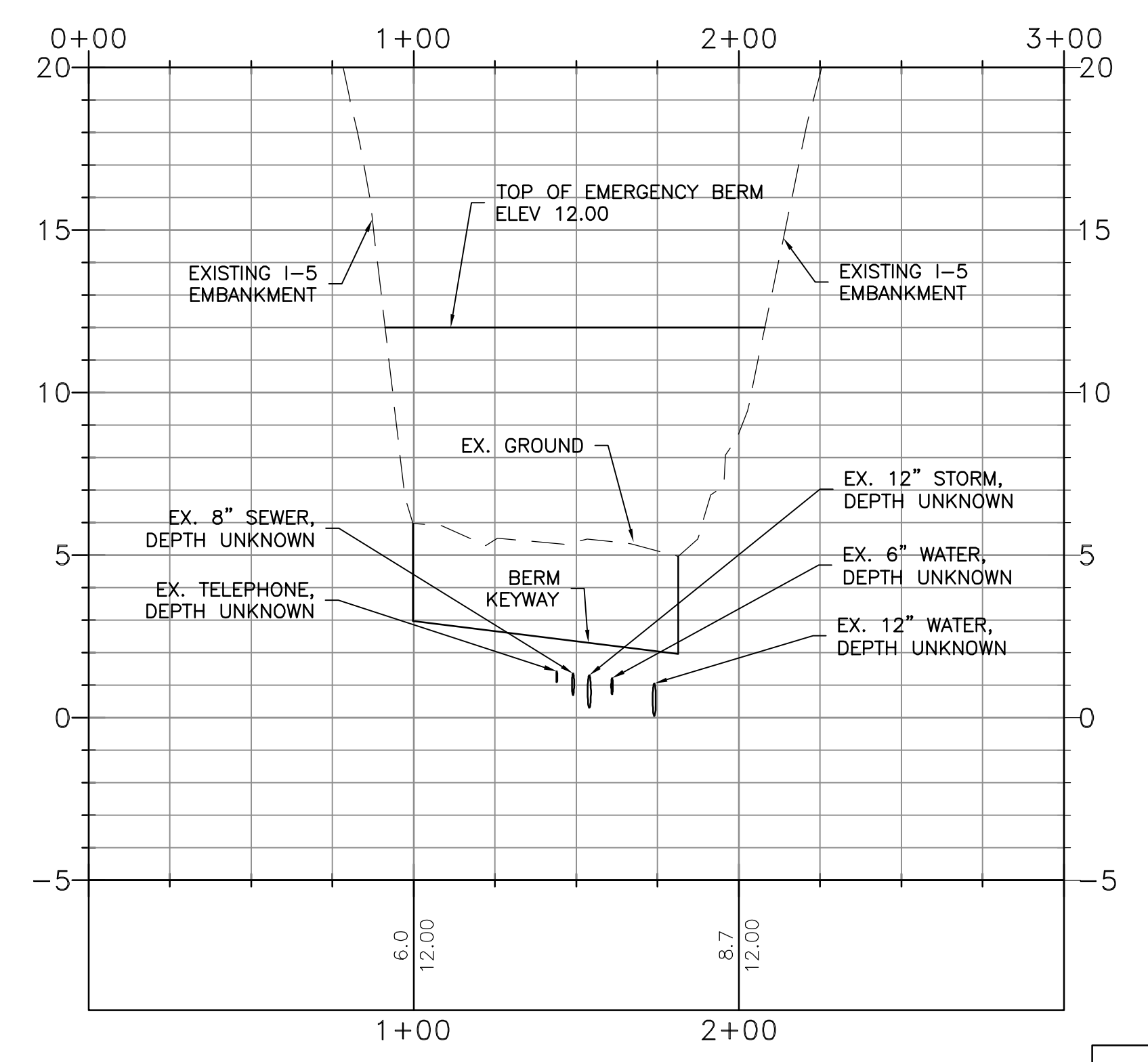
Revisions				Design EEA	Scale AS SHOWN	Date MARCH 2010
No.	Description	Date	By			
					Original Drawing Scale 0 1/2" 1"	Sheet Number <b>2</b> Of <b>3</b>
						Project File No. 1942-0030



**CARLTON AVENUE PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



**BERM ALIGNMENT PROFILE**  
 SCALE  
 HORIZONTAL: 1"=40'  
 VERTICAL: 1"=4'



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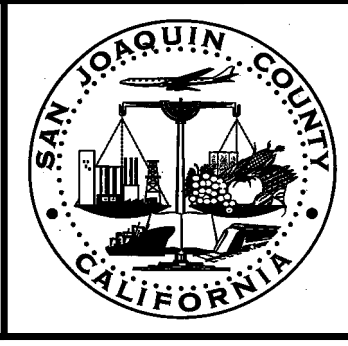
**LEGEND**

AC	ASPHALT CONCRETE
CA	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CMPA	CORRUGATED METAL PIPE ARCH
DI	DROP INLET
EX.	EXISTING
FM	FORCE MAIN
G	GAS
KV	KILOVOLT
OH	OVERHEAD
RCP	REINFORCED CONCRETE PIPE
S	SANITARY SEWER
SD	STORM DRAIN
STL	STEEL
TDC	TOP DEAD CENTER
W	WATER

- NOTES:**
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**BASIS OF ELEVATIONS**  
 ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

**PRELIMINARY**  
 NOT FOR CONSTRUCTION  
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**SAN JOAQUIN COUNTY**  
 OFFICE OF EMERGENCY SERVICES

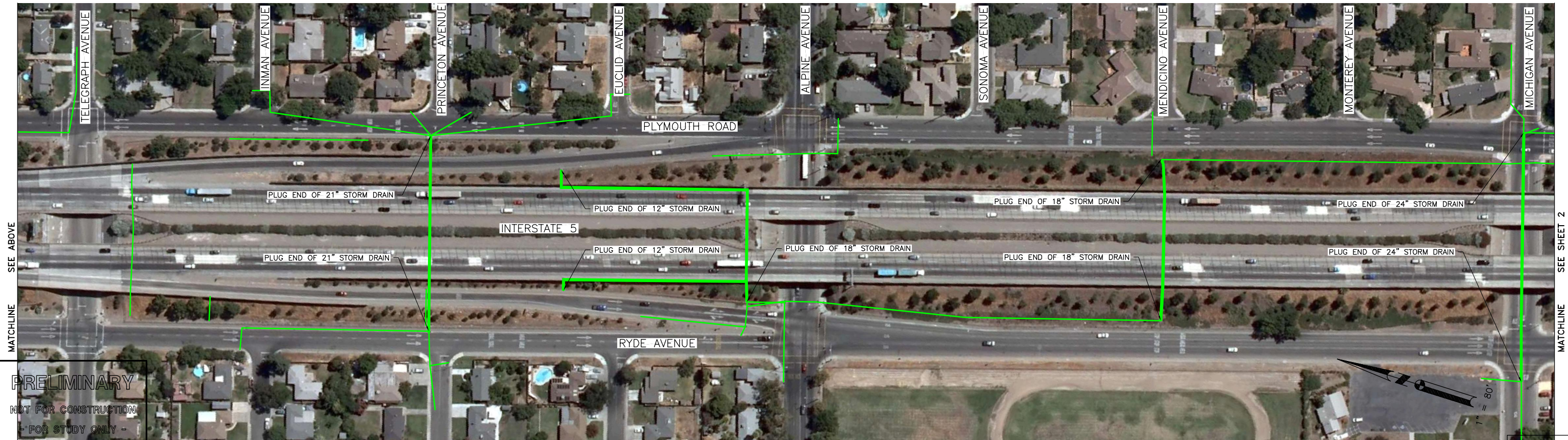
**KSN INC.**  
 KJELDEN SINNOCK NEUDECK  
 Civil Engineers and Land Surveyors  
 Post Office Box 844  
 711 N. Pershing Avenue  
 Stockton, CA 95201-0844  
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**CITY OF STOCKTON**  
**SAN JOAQUIN COUNTY**  
 SMITH TRACT / WEBER TRACT  
**1-5 & CARLTON AVENUE**  
**WEBER TRACT EMERGENCY BERMS**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

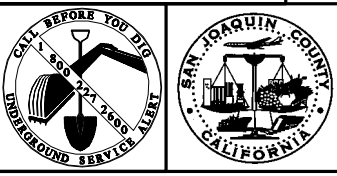
Revisions				Design EEA	Scale AS SHOWN	Date MARCH 2010
No.	Description	Date	By			
					Original Drawing Scale 0 1/2" = 1"	Sheet Number <b>3</b> Of <b>3</b>
						Project File No. 1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Emergency Berm\_Weber.dwg  
 PLOT DATE: May 06, 2010 - 11:08am

FILE SPEC: P:\1942\_SJC\_Flood\_Fight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Cross Culvert\_Smith.dwg  
 PLOT DATE: Mar 25, 2010 - 2:46pm



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**SAN JOAQUIN COUNTY**  
 OFFICE OF EMERGENCY SERVICES

**K S N** KJELDEN  
 SINNOCK  
 NEUDECK  
 INC. Civil Engineers  
 and Land Surveyors  
 Post Office Box 844  
 711 N. Pershing Avenue  
 Stockton, CA 95201-0844  
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 E-mail: KSN@ksninc.com

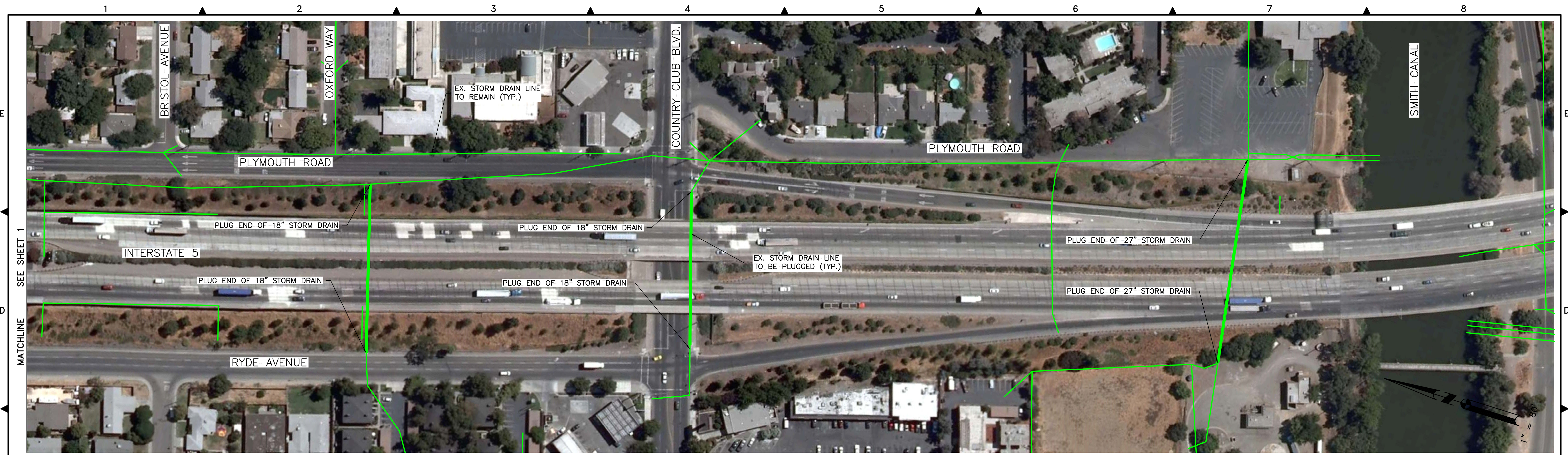
CITY OF STOCKTON  
 SAN JOAQUIN COUNTY  
 SMITH TRACT / WEBER TRACT  
**SMITH TRACT CROSS CULVERTS**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				
No.	Description	Date	By	Appr. By

Design  
 EEA  
 Drawn  
 EEA  
 Check  
 CHN

Scale  
 AS SHOWN  
 Original Drawing Scale  
 0 1/2" 1"

Date  
 MARCH 2010  
 Sheet Number  
 1 Of 2  
 Project File No.  
 1942-0030



**LEGEND**

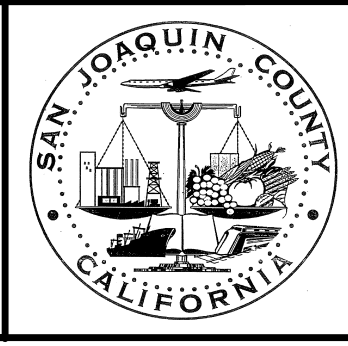
AC	ASPHALT CONCRETE
CA	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CMPA	CORRUGATED METAL PIPE ARCH
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EX.	EXISTING
FM	FORCE MAIN
G	GAS
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OH	OVERHEAD
RCP	REINFORCED CONCRETE PIPE
S	SANITARY SEWER
SD	STORM DRAIN
STL	STEEL
TDC	TOP DEAD CENTER
W	WATER

- NOTES:**
1. PLUG STORM DRAIN LINES AS NOTED IN ORDER TO PROHIBIT STORMWATER FROM FLOWING FROM ONE SIDE OF INTERSTATE 5 TO THE OTHER.
  2. STORM DRAIN LINES SHALL BE PLUGGED ONLY IN CONJUNCTION WITH THE CONSTRUCTION OF THE SMITH TRACT EMERGENCY BERMS.

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**BASIS OF ELEVATIONS**  
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OFFICE OF EMERGENCY SERVICES

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Office: (209) 946-0268  
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CITY OF STOCKTON  
SAN JOAQUIN COUNTY  
SMITH TRACT / WEBER TRACT

**SMITH TRACT CROSS CULVERTS**  
PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				
No.	Description	Date	By	Aprvd. By

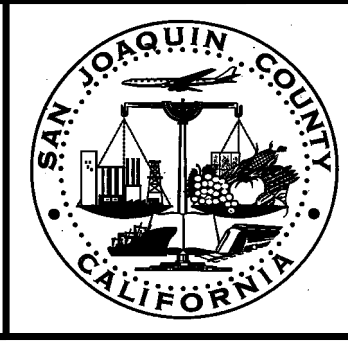
Design EEA	Scale AS SHOWN	Date MARCH 2010
Drawn EEA	Original Drawing Scale 0 1/2" 1"	Sheet Number 2 Of 2
Check CHN		Project File No. 1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Cross Culvert\_Smith.dwg  
PLOT DATE: May 10, 2010 - 8:20am



FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Pilot Maps\0030\05\_Civil\PED\_Smith\_Cross Culvert\_Weber.dwg  
 PLOT DATE: May 10, 2010 - 10:38am

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**SAN JOAQUIN COUNTY**  
 OFFICE OF EMERGENCY SERVICES

**K S N**  
**KJELDSSEN SINNOCK NEUDECK**  
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CITY OF STOCKTON  
 SAN JOAQUIN COUNTY  
 SMITH TRACT / WEBER TRACT  
**WEBER TRACT CROSS CULVERTS**  
 PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				
No.	Description	Date	By	Aprvd. By

Design EEA	Scale AS SHOWN Original Drawing Scale 0 1/2" = 1"	Date MARCH 2010
Drawn EEA		Sheet Number 1 Of 2
Check CHN		Project File No. 1942-0030



**LEGEND**

- AC ASPHALT CONCRETE
- CA CABLE
- CCTV CLOSED CIRCUIT TELEVISION
- CMPA CORRUGATED METAL PIPE ARCH
- DI DROP INLET
- EX. EXISTING
- FM FORCE MAIN
- G GAS
- KV KILOVOLT
- OH OVERHEAD
- RCP REINFORCED CONCRETE PIPE
- S SANITARY SEWER
- SD STORM DRAIN
- STL STEEL
- TDC TOP DEAD CENTER
- W WATER

**NOTES:**

1. PLUG STORM DRAIN LINES AS NOTED IN ORDER TO PROHIBIT STORMWATER FROM FLOWING FROM ONE SIDE OF INTERSTATE 5 TO THE OTHER.
2. STORM DRAIN LINES SHALL BE PLUGGED ONLY IN CONJUNCTION WITH THE CONSTRUCTION OF THE WEBER TRACT EMERGENCY BERMS.

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**BASIS OF ELEVATIONS**

ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

**PRELIMINARY**

NOT FOR CONSTRUCTION

- FOR STUDY ONLY -



**SAN JOAQUIN COUNTY**  
OFFICE OF EMERGENCY SERVICES

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CITY OF STOCKTON  
SAN JOAQUIN COUNTY  
SMITH TRACT / WEBER TRACT  
  
**WEBER TRACT CROSS CULVERTS**  
PRELIMINARY ENGINEERING DESIGN (P.E.D.)

Revisions				
No.	Description	Date	By	Aprvd. By

Design EEA	Scale AS SHOWN	Date MARCH 2010
Drawn EEA	Original Drawing Scale 0 1/2" 1"	Sheet Number 2 Of 2
Check CHN		Project File No. 1942-0030

FILE SPEC: P:\1942\_SJC\_Flood\_Flight\_Maps\0030-FCM FEMA Plot Maps\0030\05\_Civil\PED\_Smith\_Cross Culvert\_Weber.dwg  
PLOT DATE: May 07, 2010 - 4:01pm