



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: PS-1601660
Date Issued: 06/09/2016
Start Date: 06/16/2016
Exp. Date: 07/01/2016
Project No: PWP110005
Quad: NW

ENCROACHMENT PERMIT

To: ROBERT BURNS CONSTRUCTION
2501 WIGWAM DR.
STOCKTON, CA 95205

Encroachment Type:

Levee Road Work &	Traffic Control Devices		
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Location:

EIGHT MILE RD. AND ATHERTON RD (KING ISLAND)

In compliance with your request of 06/09/2016, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD*****See Attached "Special Conditions"*****Reclamation District 2044 levee road work on Atherton Rd. - King Island*****

FORMS: SS/WW, R-29

Est. Permit Fee: \$0.00

WHITE -Permittee
GOLDENROD -PWD Central File
YELLOW -Field Inspection
PINK -Permit Section

KRIS BALAJI, Director
Department of Public Works

By: _____

Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1.

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:

STREETS AND HIGHWAYS CODE

1. Division 1, Chapter 3
2. Division 2, Chapter 2, Section 942
3. Division 2, Chapter 4, Section 1126
4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

SPECIAL CONDITIONS FOR
RECLAMATION DISTRICT 2044 – ATHERTON RD.
ENCROACHMENT PERMIT

1. The permittee shall be responsible for providing the County with a video recording of Eight Mile Road prior to, and post construction. The comparison of these videos will be used by the County to determine the need for damage repair to coordinate with permittee on General Provision #5.
2. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers.
3. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
4. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
5. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
6. All destroyed or obliterated pavement markings throughout the construction zone along Eight Mile Road shall be replaced in kind by the permittee. Typical pavement markings include but not limited to lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers and miscellaneous delineators.
7. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
8. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone along Eight Mile Road during and after the project.
9. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, or as needed, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
10. The contractor shall not conduct construction operations in rain or heavy fog conditions.

APPLICATION FOR ENCROACHMENT PERMIT SAN JOAQUIN COUNTY

2016 MAY 20 PM 1:53

PLEASE PRINT:

JOB #	110005	REF #	
APN		CR #	
EXP. DATE	7/1/16	VALID	7/1/16
STREET	KING ISLAND (Hwy 99 RD)		
AREA	DELTA QUAD NW		
TYPE	TERRIFIC COINTEGRATED		
FORMS	TERRIFIC COINTEGRATED		
NOTES	Special Conditions		
RECLAMATION DISTRICT WORK ON ATTACHED RD.			
DRIVEWAYS:			

Date 5-16-16

To: San Joaquin County
Department of Public Works

(Applicant Name)
Robert Burns Construction, Inc.

2501 Wigwam Drive
(Mailing Address)

Stockton, CA 95205
(City, State, Zip Code)

209-943-6969
(Area Code - Telephone Number)

Sketch (Detailed plans may be submitted)

SEE PLANS DRAWN BY M.B.K. ENGINEERS
455 UNIVERSITY AVE SACRAMENTO CA
PHONE # 1-916-456-4400
CONTACT P.E. MICHAEL MONCRIEF
MONCRIEF ENGINEERS, COM
HAZARD MITIGATION PLAN ELEVATION PROJECT

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the SOUTH side of EIGHT MILE RD approximately 3,042 feet/mile by performing the following work (description of work):

GOING SOUTH ON ATTACHED ROAD FROM EIGHT MILE ROAD PERFORMING LEUGE CROWN MAINTENANCE WORK. THE WORK TO BE DONE CONSIST OF BLUERING THE EXISTING CROWN FROM EIP TO EIP AND THEN RAISING THE LEUGE CROWN WITH 3/4" AIS TO THE NEW BMP. Work will commence on or about JUNE 1st for approximately 14 days/level

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Signature of Applicant - Title VICE PRESIDENT
Date 5-16-16

REHABILITATION PLAN
RECLAMATION DISTRICT 2044
KING ISLAND HMP LEVEE
MAINTENANCE PROJECT
SAN JOAQUIN COUNTY, CALIFORNIA
DWR PROJECT FUNDING AGREEMENT NO. KI-12-1.0

OWNER
RECLAMATION DISTRICT 2044
421 SOUTH EL DORADO STREET, SUITE E
STOCKTON, CA 95203
(209) 946-9675 FAX (209) 946-9723
ATTN: ALAN COON

CIVIL ENGINEER
MBK ENGINEERS
455 UNIVERSITY AVENUE, SUITE 100
SACRAMENTO, CA 95825
(916) 456-4400 FAX: (916) 456-0253
ATTN: MIKE MONCRIEF

GEOTECHNICAL ENGINEER
HULTGREN-TILLIS ENGINEERS
4085 NELSON AVE, SUITE A
CONCORD, CA 94520-1257
(925) 685-6300 FAX: (925) 685-6768
ATTN: KEVIN TILLIS

GENERAL NOTES

1. ALL GRADING, SITE PREPARATION, PLACING AND COMPACTION OF FILL TO BE DONE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER.
2. ALL CUT SLOPES SHALL BE ROUNDED TO MEET EXISTING GRADES AND BLEND WITH THE SURROUNDING TOPOGRAPHY.
3. ANY DEVIATION FROM APPROVED GRADING PLAN REQUIRES APPROVAL OF THE DISTRICT ENGINEER.
4. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FINEST QUALITY ARE TO BE USED.
5. LINES AND GRADES: ALL DISTANCES AND MEASUREMENTS ARE GIVEN AND WILL BE MADE IN A HORIZONTAL PLANE. GRADES ARE GIVEN FROM THE TOP OF HUBS OR NAILS UNLESS OTHERWISE NOTED.
6. BASIS OF BEARING: ALL BEARINGS ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE III. DISTANCES ARE GROUND.
7. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, 800-642-2444, TWO WORKING DAYS (48 HOURS) PRIOR TO ANY EXCAVATION. THE U.S.A. AUTHORIZATION NUMBER WILL BE KEPT AT THE JOB SITE.
8. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT MBK ENGINEERS AT (916) 456-4400 FOR SUCH FURTHER EXPLANATION AS MAY BE NECESSARY.
9. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS AND PROCEDURES OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR MUNICIPAL CONSTRUCTION AND INDUSTRIAL ACTIVITIES AS PROMULGATED BY THE CALIFORNIA STATE WATER RESOURCE CONTROL BOARD OR ANY OF ITS REGIONAL WATER QUALITY CONTROL BOARDS.
10. THE CIVIL ENGINEERING DESIGN SHOWN HEREON WAS PREPARED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING AND/OR SURVEYING PRACTICES APPLICABLE ON THE DATE OF THE SIGNATURE BY THE ENGINEER. IF CONSTRUCTION OF THE IMPROVEMENTS SHOWN HEREON DOES NOT COMMENCE WITHIN EIGHT MONTHS FROM THE DATE OF SIGNATURE BY THE ENGINEER, THE PLANS MUST BE REVIEWED FOR CURRENT COMPLIANCE WITH GENERALLY ACCEPTED ENGINEERING AND/OR SURVEYING PRACTICES AND REISSUED BY THE ENGINEER PRIOR TO ANY WORK BEING PERFORMED.
11. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
12. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS. CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR RECLAMATION DISTRICT 2044, AMBULANCE, POLICE AND FIRE DEPARTMENTS.
13. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING THAT MAY BE REQUIRED FOR THE PROJECT.
14. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY WORK PERFORMED BY THE CONTRACTOR BASED ON DRAWINGS WHICH HAVE NOT BEEN SIGNED AND SEALED BY THE ENGINEER, APPROVED BY THE DISTRICT, AND SPECIFICALLY NOTED AS "APPROVED FOR CONSTRUCTION" BY THE ENGINEER. ALL INFORMATION SHOWN ON PRELIMINARY DRAWINGS IS SUBJECT TO CORRECTION AND/OR CHANGE AND THE CONTRACTOR SHALL PERFORM ANY AND ALL IMPROVEMENTS AT THEIR OWN RISK.
15. THE DISTRICT SHALL BE RESPONSIBLE FOR OBTAINING ALL EASEMENTS, RIGHTS-OF-ENTRY, ETC. NECESSARY TO CONSTRUCT ANY WORK SHOWN HEREON.
16. OBSTRUCTIONS INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH WITH THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION. NEITHER THE DISTRICT NOR THE ENGINEER ASSUMES RESPONSIBILITY THAT THE OBSTRUCTIONS INDICATED WILL BE THE OBSTRUCTIONS ENCOUNTERED. ALL EXISTING ELEVATIONS SHOWN ARE AS MEASURED IN THE FIELD UNLESS OTHERWISE NOTED.
17. IF ARCHEOLOGIC MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHEOLOGIST WHO IS CERTIFIED BY THE SOCIETY OF CALIFORNIA ARCHEAEOLOGY (SCA), AND/OR THE SOCIETY OF PROFESSIONAL ARCHEAEOLOGY (SOPA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY.
18. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM MBK ENGINEERS.
19. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH DISTRICT, COUNTY AND CAL-OSHA SPECIFICATIONS.
20. STRIPPINGS SHALL BE STOCKPILED IN THE DESIGNATED AREA(S) PER PLAN.

BENCHMARK

NGS BENCHMARK "Q 464 RESET", PID J54817

LOCATED ON THE EAST SIDE OF KING ISLAND AT THE CONCRETE AND STEEL DRAWBRIDGE OVER THE BISHOP CANAL, IN THE DECK SURFACE OVER THE WEST ABUTMENT, 22 FEET (6.7 M) NORTH OF THE CENTERLINE OF EIGHT MILE ROAD (FORMERLY ATHERTON ROAD).

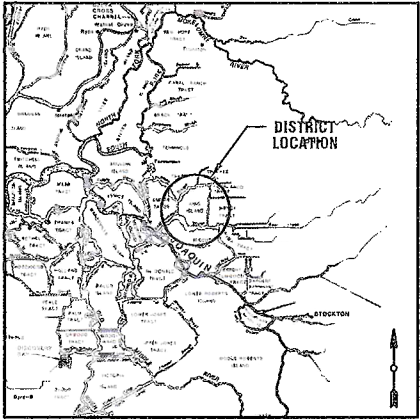
ELEVATION = 12.27' (NGVD 29)

ABBREVIATIONS

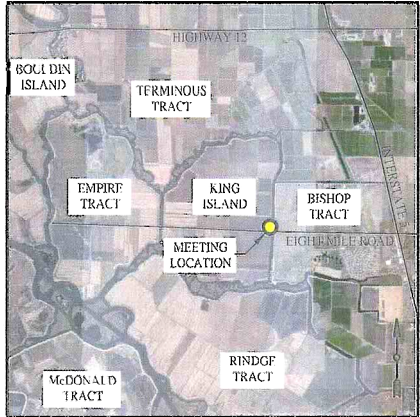
AB AGGREGATE BASE
APPROX. APPROXIMATELY
CL CENTERLINE
ELEV. ELEVATION
EX EXISTING
EG EXISTING GRADE
FG FINISH GRADE
OH OVERHEAD
PROP. PROPOSED
UNO UNLESS NOTED OTHERWISE

BASIS OF BEARINGS

ALL BEARINGS ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM, ZONE 3.



VICINITY MAP
SCALE: N.T.S.



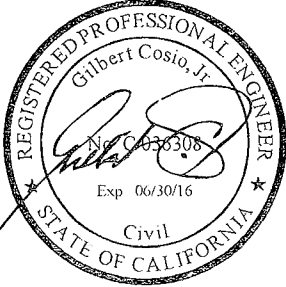
PRECONSTRUCTION MEETING
LOCATION MAP
SCALE: N.T.S.

Sheet List Table	
Sheet Number	Sheet Title
C1	COVER SHEET AND NOTES
C2	SHEET INDEX AND SITE MAP
C3	CENTERLINE REFERENCE SHEET
C4	DETAILS
C5	PROFILE - STA 0+00 TO 50+00
C6	PROFILE - STA 50+00 TO 100+00
C7	PROFILE - STA 100+00 TO 150+00
C8	PROFILE - STA 150+00 TO 200+00
C9	PROFILE - STA 200+00 TO 250+00
C10	PROFILE - STA 250+00 TO 300+00
C11	PROFILE - STA 300+00 TO 350+00
C12	PROFILE - STA 350+00 TO 400+00
C13	PROFILE - STA 400+00 TO 450+00
C14	PROFILE - STA 450+00 TO END

LEGEND

--- REFERENCE LINE
--- EDGE OF LEVEE ROAD
--- TOP OF DITCH
--- OH --- OVERHEAD UTILITIES
--- X --- FENCE LINE
--- UTILITY POLE
x 100.0 SPOT ELEVATION

--- EX. MAJOR CONTOUR
--- EX. MINOR CONTOUR
--- EX. VEGETATION
--- EX. DRIPLINE
--- PROPOSED MAJOR CONTOUR
--- PROPOSED MINOR CONTOUR
--- PROPOSED LEVEE HINGE



MBK
ENGINEERS
455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax (916) 456-0253

REVISION

DATE

NO.

RECLAMATION DISTRICT NO. 2044
KING ISLAND

COVER SHEET AND NOTES

SCALE: AS NOTED

JOB NO: 4375-12

BY: AR

CHK: MM

DATE: 07/13/2015

SHEET

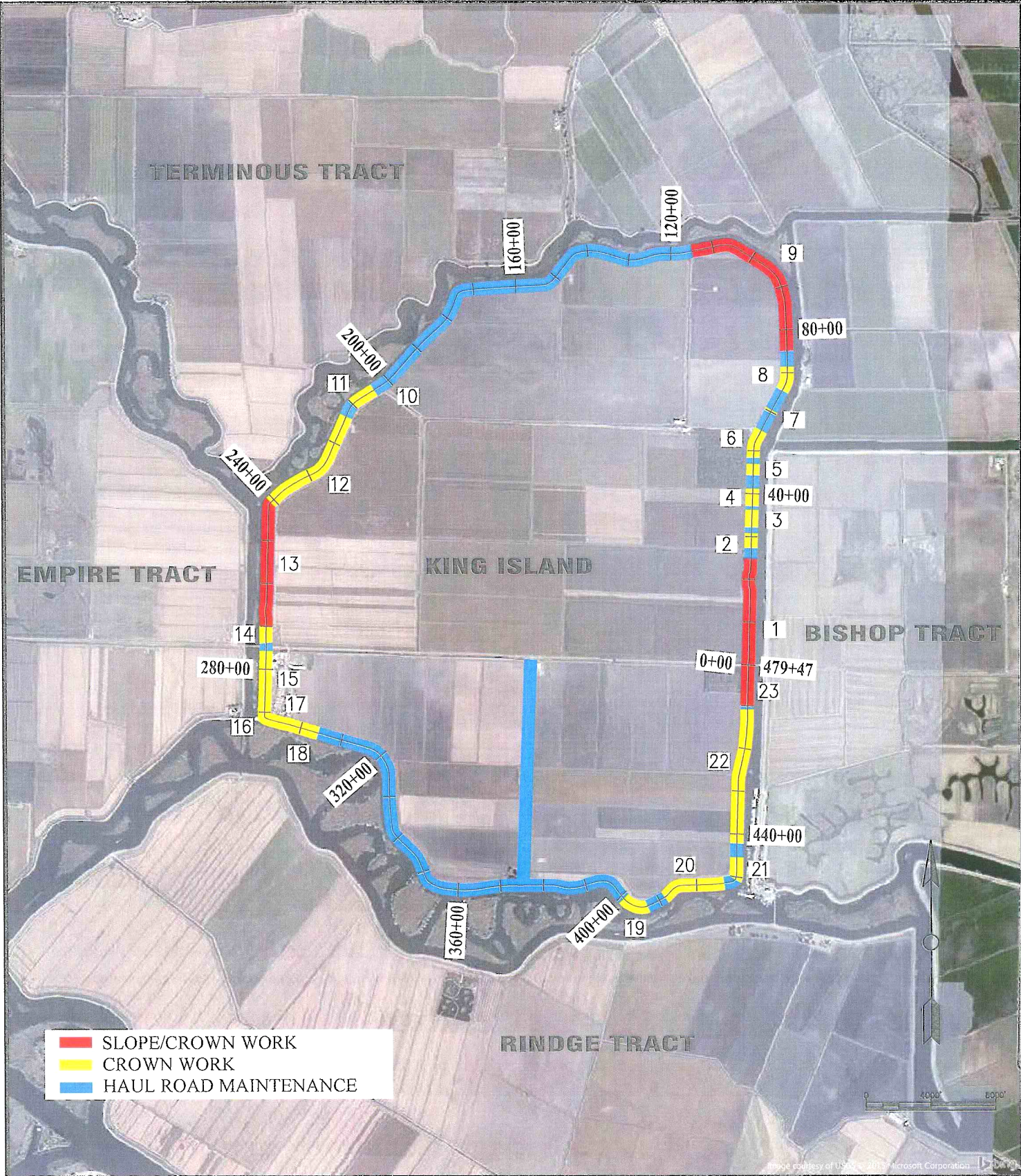
C1

OF

14

SHEETS





SHEET INDEX AND SITE MAP

SCALE: 1" = 3000'

Site No.	Begin Sta.	End Sta.	CL Elev. (FT)	Typical Cross Section
1	0+00	25+00	8.9	A, B, C
2	27+38	30+91	9.0	A, C
3	32+19	36+40	9.0	A, C
4	37+14	41+32	9.0	A, C
5	44+32	47+01	9.0	A, C
6	48+38	55+23	9.0	A, C
7	59+75	60+55	9.0	A
8	65+61	71+50	9.0	A
9	75+00	115+00	9.0	A, B
10	200+00	200+12	9.0	A
11	203+95	209+87	9.0	A
12	213+15	241+00	9.0	A, C
13	241+00	270+00	9.0	A, B
14	270+00	273+88	9.0	A
15	275+62	288+00	9.0	C
16	288+00	295+00	9.0	C
17	295+00	298+00	9.0	C
18	298+00	304+30	9.0	A, C
19	400+68	407+10	8.9	A
20	411+54	426+60	8.9	A
21	429+36	434+71	8.9	A
22	437+84	469+31	8.9	A
23	470+00	479+47	8.9	A, B

ESTIMATED EARTHWORK QUANTITIES

	IMPORT FILL (TONS) *	AGGREGATE BASE (TONS) *
TOTAL	8,500	9,000

* QUANTITIES ASSUME PERCENTAGE REQUIRED TO MAINTAIN EXISTING HAUL ROADS



SCALE: AS NOTED
JOB NO: 4375-12
BY: AR
CHK: MM
DATE: 07/13/2015
SHEET C2 OF 14 SHEETS

RECLAMATION DISTRICT NO. 2044
KING ISLAND
SHEET INDEX AND SITE MAP

REVISION

DATE

NO.

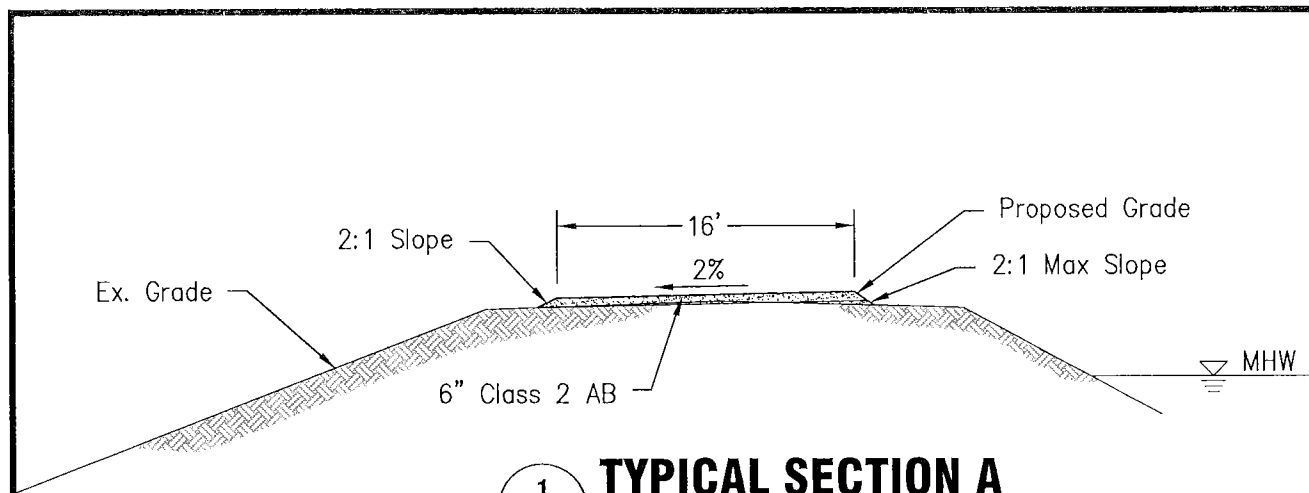
MBK ENGINEERS
455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax: (916) 456-0253



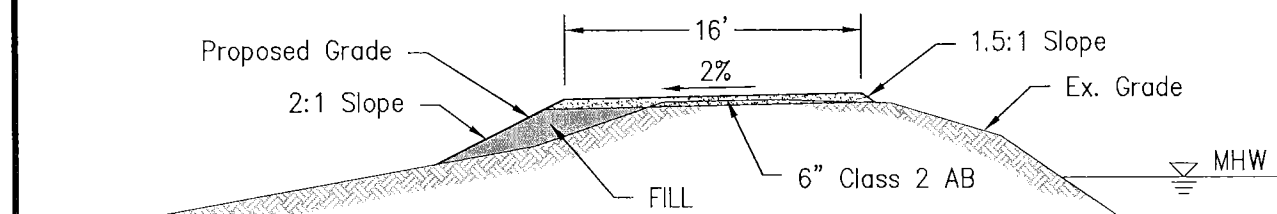
REFERENCE LINE - ALIGNMENT STATION COORDINATES				
POINT #	STATION	NORTHING	EASTING	DESCRIPTION
1	0+00	2209144.71	6297044.56	Ex. CL Offset - 0.00'
2	1+00	2209245.48	6297059.25	Ex. CL Offset - 0.00'
3	2+00	2209343.39	6297063.14	Ex. CL Offset - 0.00'
4	3+00	2209443.37	6297065.03	Ex. CL Offset - 0.00'
5	4+00	2209543.34	6297067.24	Ex. CL Offset - 0.00'
6	5+00	2209643.33	6297068.06	Ex. CL Offset - 0.00'
7	6+00	2209743.30	6297070.50	Ex. CL Offset - 0.00'
8	7+00	2209843.26	6297073.84	Ex. CL Offset - 0.00'
9	8+00	2209943.22	6297075.83	Ex. CL Offset - 0.00'
10	9+00	2210043.18	6297078.71	Ex. CL Offset - 0.00'
11	10+00	2210143.16	6297080.81	Ex. CL Offset - 0.00'
12	11+00	2210243.11	6297083.56	Ex. CL Offset - 0.00'
13	12+00	2210343.09	6297085.85	Ex. CL Offset - 0.00'
14	13+00	2210443.04	6297088.67	Ex. CL Offset - 0.00'
15	14+00	2210543.01	6297091.38	Ex. CL Offset - 0.00'
16	15+00	2210642.95	6297094.51	Ex. CL Offset - 0.00'
17	16+00	2210742.85	6297098.74	Ex. CL Offset - 0.00'
18	17+00	2210842.75	6297102.76	Ex. CL Offset - 0.00'
19	18+00	2210940.23	6297086.47	Ex. CL Offset - 0.00'
20	19+00	2211035.98	6297085.58	Ex. CL Offset - 0.00'
21	20+00	2211135.89	6297087.80	Ex. CL Offset - 0.00'
22	21+00	2211235.81	6297071.71	Ex. CL Offset - 0.00'
23	22+00	2211327.32	6297106.85	Ex. CL Offset - 0.00'
24	23+00	2211427.25	6297109.93	Ex. CL Offset - 0.00'
25	24+00	2211527.18	6297113.46	Ex. CL Offset - 0.00'
26	25+00	2211627.05	6297118.31	Ex. CL Offset - 0.00'
27	26+00	2211726.94	6297122.81	Ex. CL Offset - 0.00'
28	27+00	2211826.93	6297123.31	Ex. CL Offset - 0.00'
29	28+00	2211926.92	6297124.25	Ex. CL Offset - 0.00'
30	29+00	2212026.89	6297125.70	Ex. CL Offset - 0.00'
31	30+00	2212126.87	6297127.62	Ex. CL Offset - 0.00'
32	31+00	2212226.83	6297130.46	Ex. CL Offset - 0.00'
33	32+00	2212326.78	6297133.60	Ex. CL Offset - 0.00'
34	33+00	2212426.73	6297136.41	Ex. CL Offset - 0.00'
35	34+00	2212526.67	6297139.89	Ex. CL Offset - 0.00'
36	35+00	2212626.59	6297143.86	Ex. CL Offset - 0.00'
37	36+00	2212726.54	6297147.05	Ex. CL Offset - 0.00'
38	37+00	2212826.49	6297150.06	Ex. CL Offset - 0.00'
39	38+00	2212926.46	6297152.34	Ex. CL Offset - 0.00'
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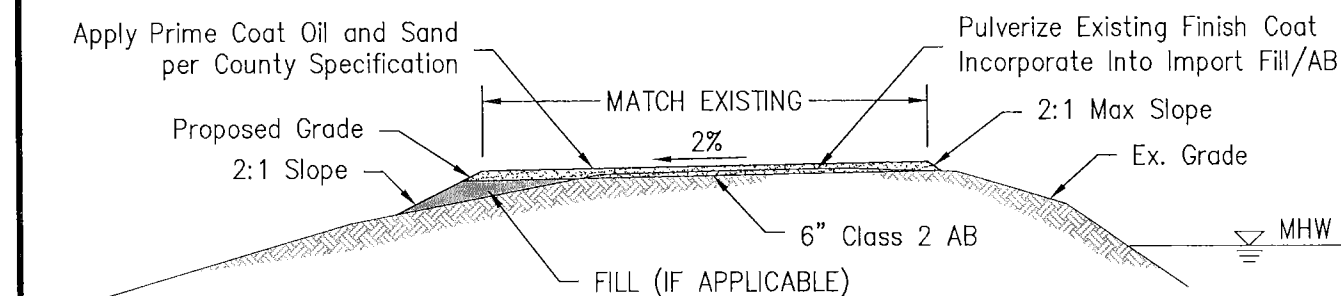
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1
C04 **TYPICAL SECTION A**
SCALE: 1" = 10'



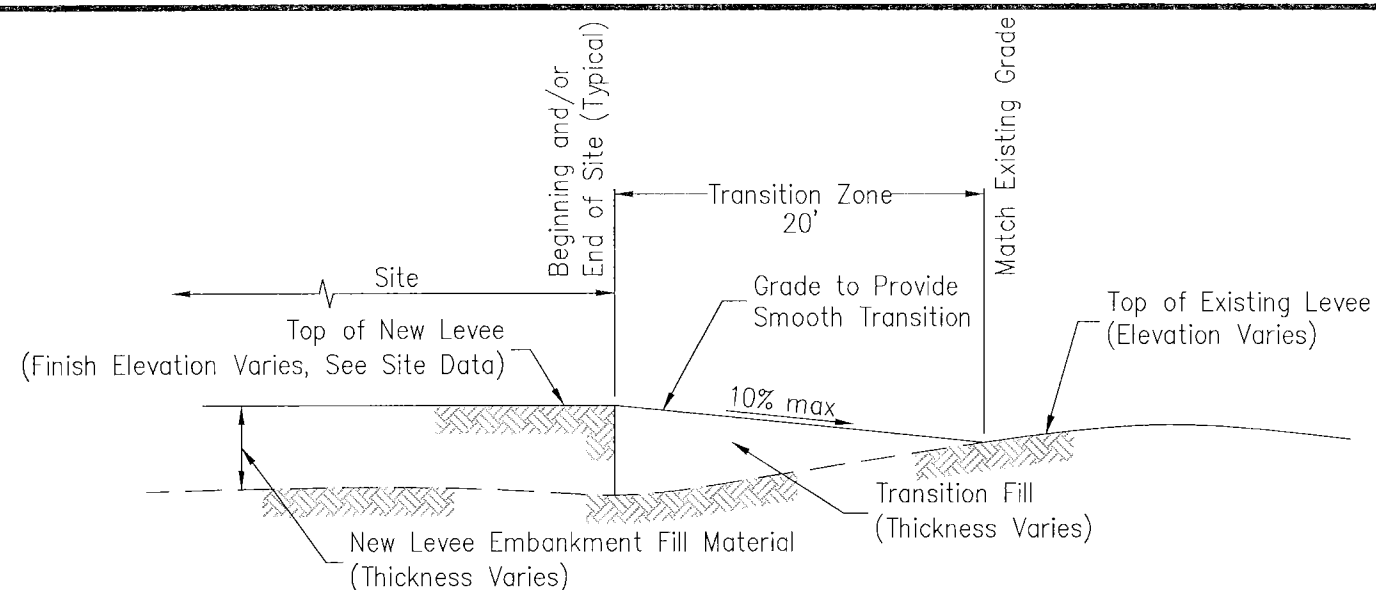
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C04 **TYPICAL SECTION B**
SCALE: 1" = 10'



4
C04 **TYPICAL SECTION C**
SCALE: 1" = 10'

NOTES:

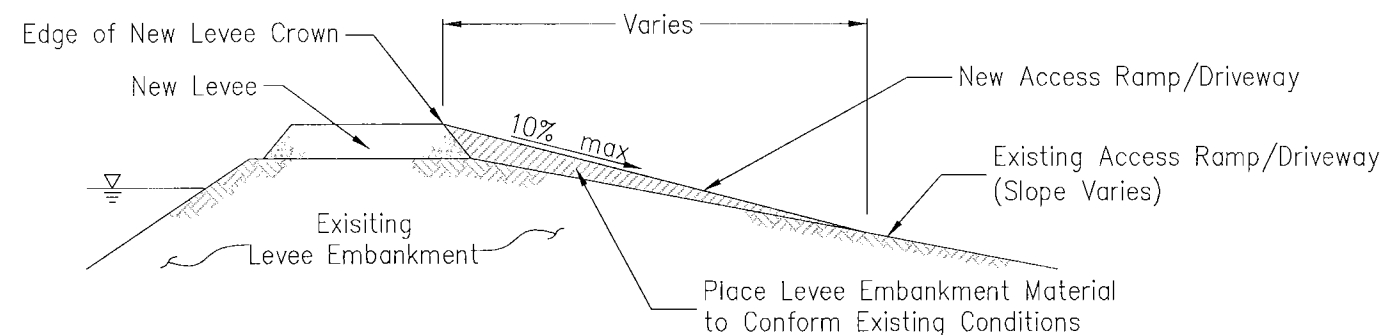
- 1) Finish grade ∇ elevations are 0.5' above HMP elevations (NGVD 29).
- 2) All maintenance sites along county road shall adhere to San Joaquin County specifications.



NOTES:

- 1) Grade to provide smooth transition between Existing and New Top of Levee.
- 2) Grade Transition Zone in accordance with Technical Specifications.

5
C04 **TRANSITION ZONE DETAIL**
NO SCALE



NOTES:

- 1) Grade to provide uniform grade change between Levee Crown and Access Ramp/Driveway.
- 2) Grade Transition Zone in accordance with Technical Specifications.

6
C04 **ACCESS RAMP DETAIL**
NO SCALE



MBK ENGINEERS
455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax: (916) 456-0253

REVISION

DATE

NO.

RECLAMATION DISTRICT NO. 2044
KING ISLAND

DETAILS

SCALE: AS NOTED

JOB NO: 4375-12

BY: AR

CHK: MM

DATE: 07/13/2015

SHEET
C4

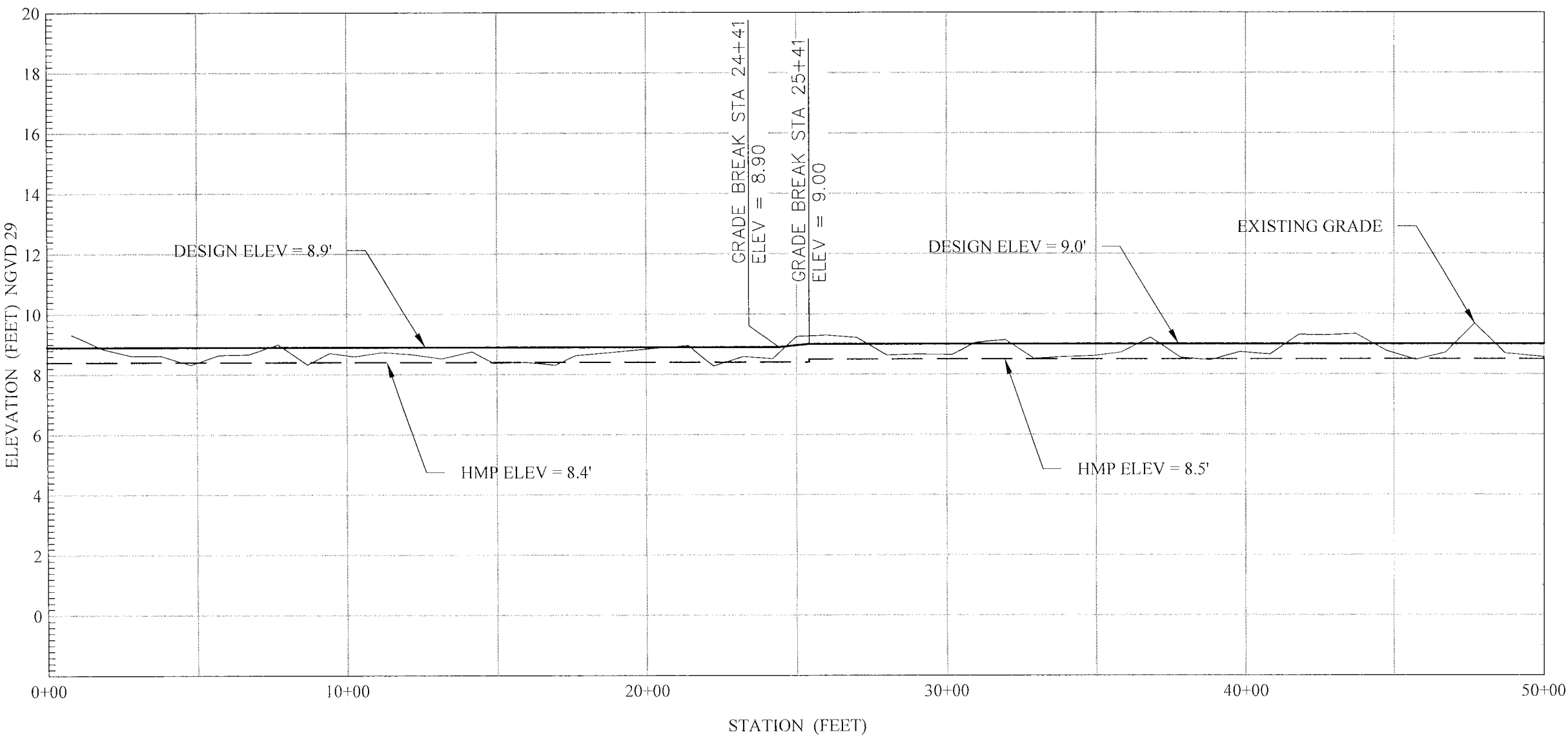
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14

SHEETS



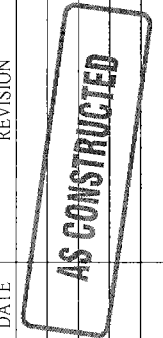
RD 2044 - King Island
Levee Centerline Profile 0+00 - 50+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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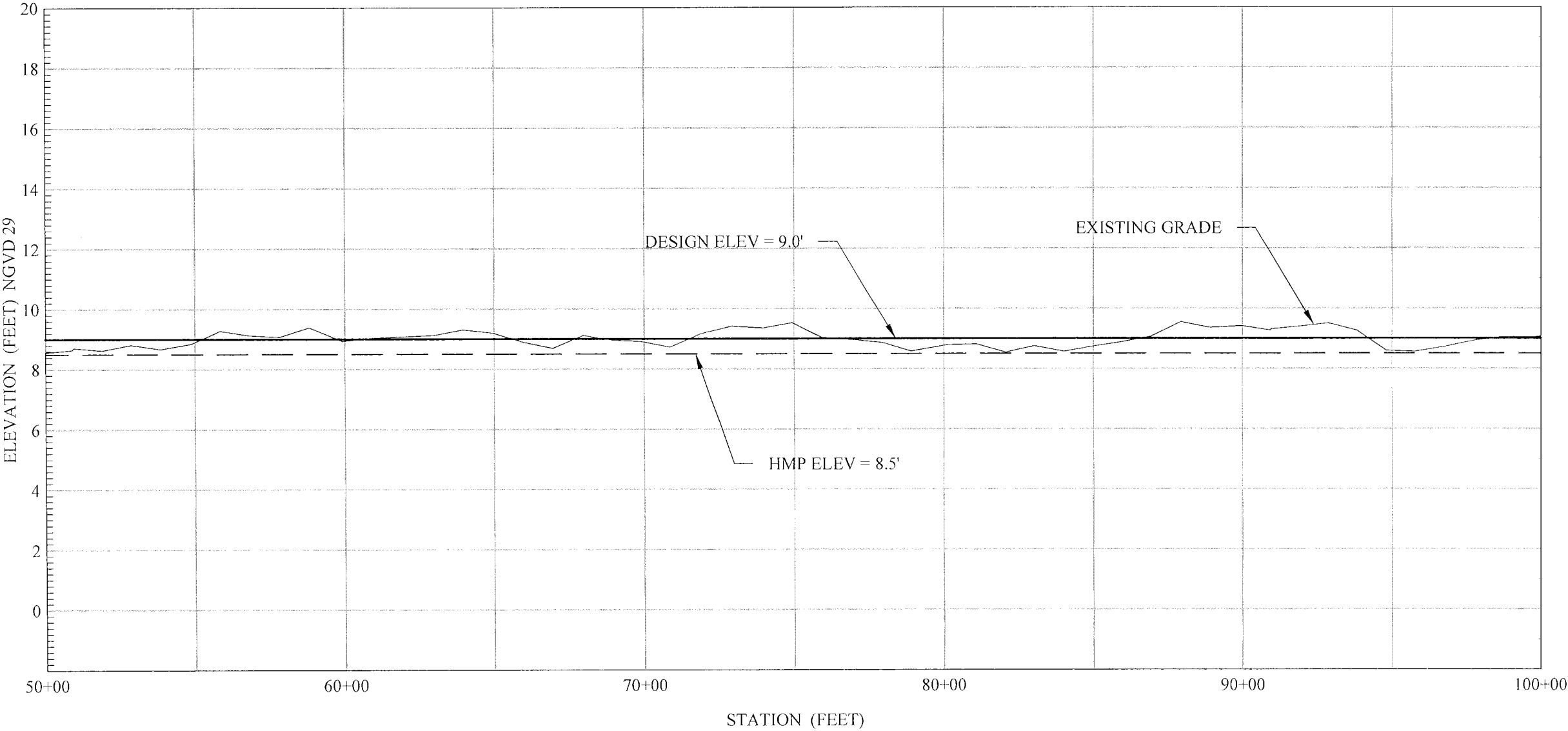


RECLAMATION DISTRICT NO. 2044
KING ISLAND

PROFILE - STA 0+00 TO 50+00

SCALE:	AS SHOWN
JOB NO:	4375-12
BY:	AR
CHK:	MM
DATE:	07/13/2015
SHEET	C5
OF	14
SHEETS	

RD 2044 - King Island
Levee Centerline Profile 50+00 - 100+00

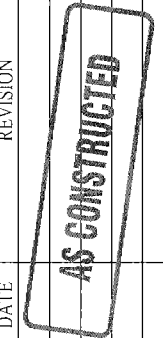


SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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NO. DATE REVISION

RECLAMATION DISTRICT NO. 2044
KING ISLAND

PROFILE - STA 50+00 TO 100+00

SCALE: AS SHOWN

JOB NO: 4375-12

BY: AR

CHK: MM

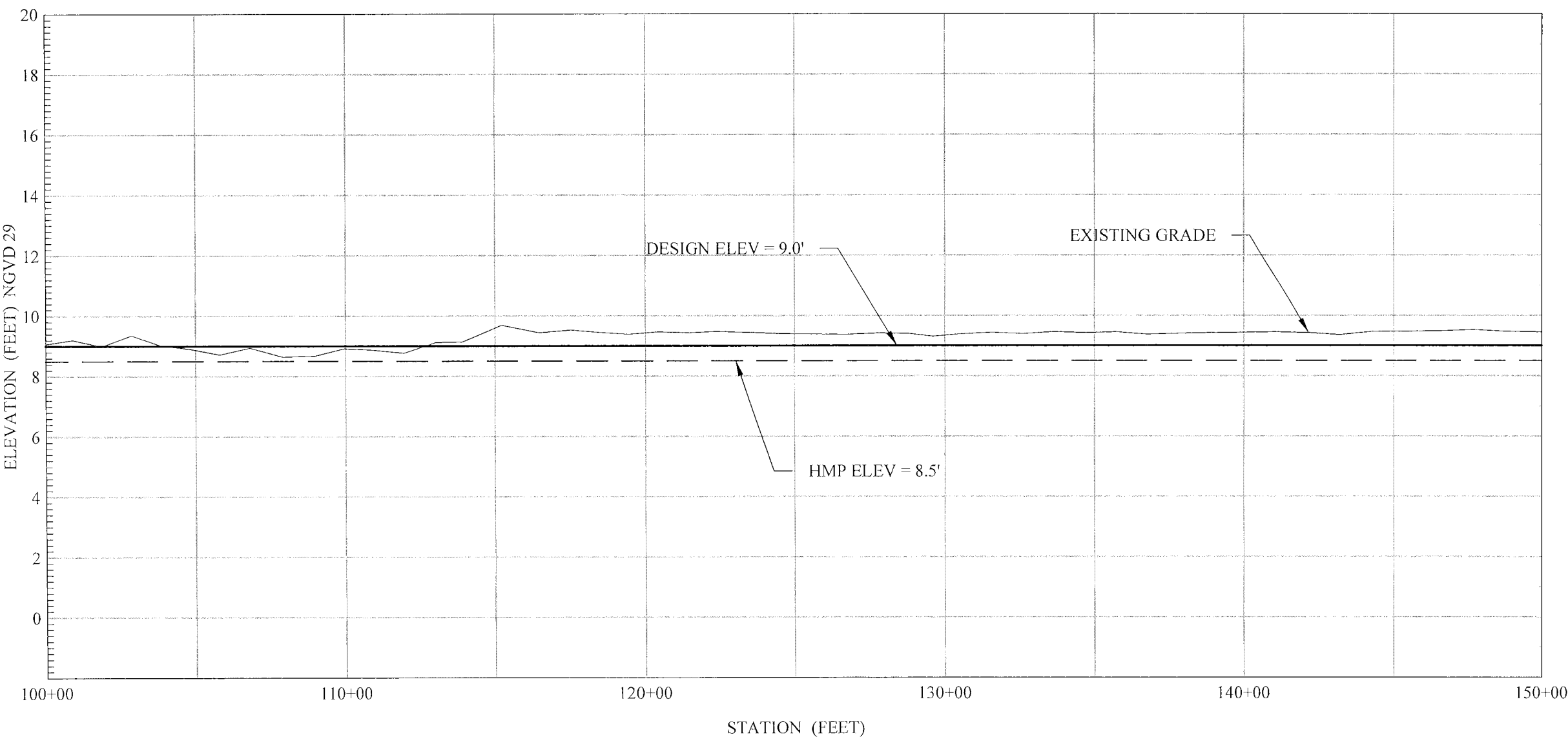
DATE: 07/13/2015

SHEET

C6

OF 14
SHEETS

RD 2044 - King Island
Levee Centerline Profile 100+00 - 150+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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NO.

AS CONSTRUCTED

RECLAMATION DISTRICT NO. 2044
KING ISLAND

PROFILE - STA 100+00 TO 150+00

SCALE: AS SHOWN

JOB NO: 4375-12

BY: AR

CHK: MM

DATE: 07/13/2015

SHEET

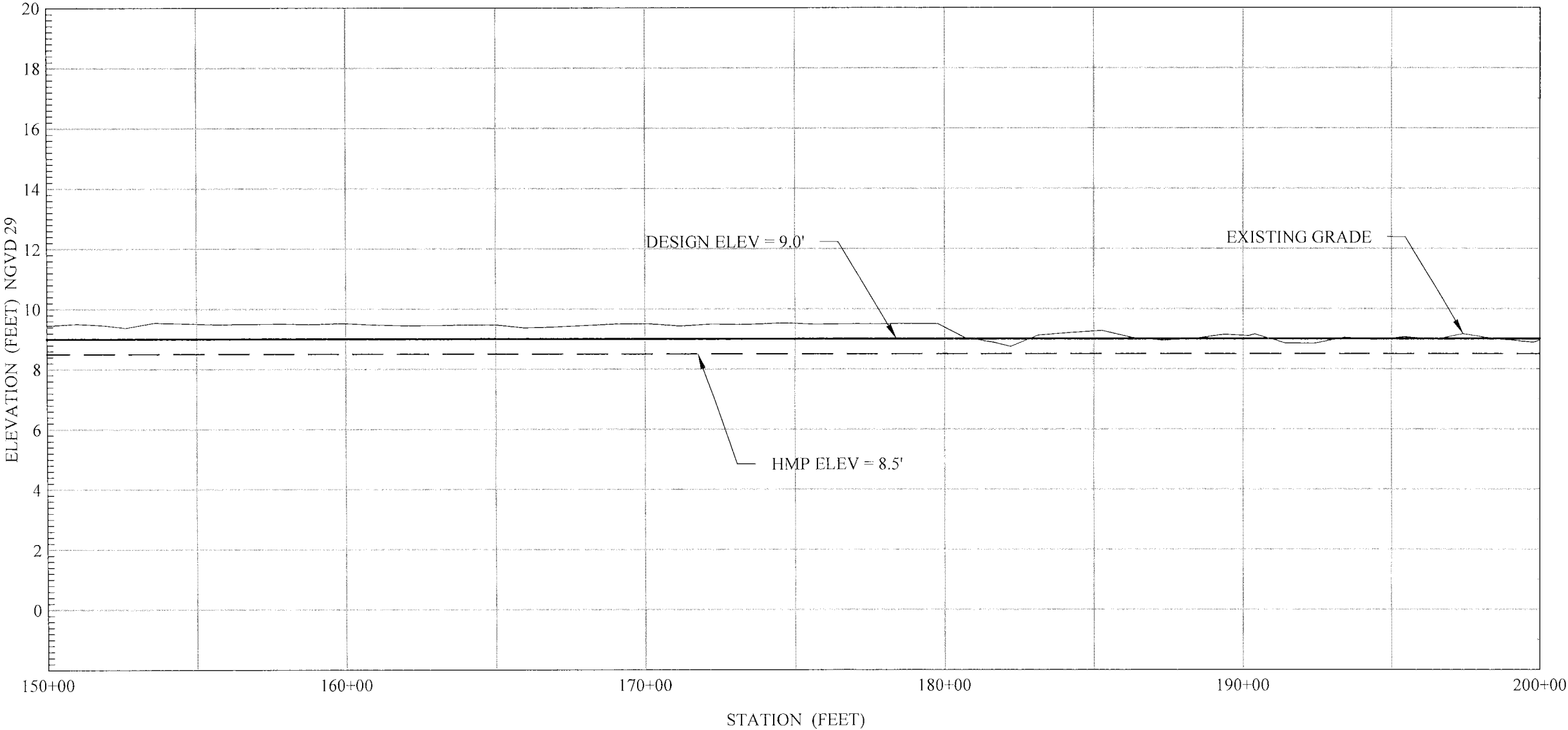
C7

OF

14

SHEETS

RD 2044 - King Island
Levee Centerline Profile 150+00 - 200+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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NO. DATE

AS CONSTRUCTED

RECLAMATION DISTRICT NO. 2044
KING ISLAND

PROFILE - STA 150+00 TO 200+00

SCALE: AS SHOWN

JOB NO: 4375-12

BY: AR

CHK: MM

DATE: 07/13/2015

SHEET

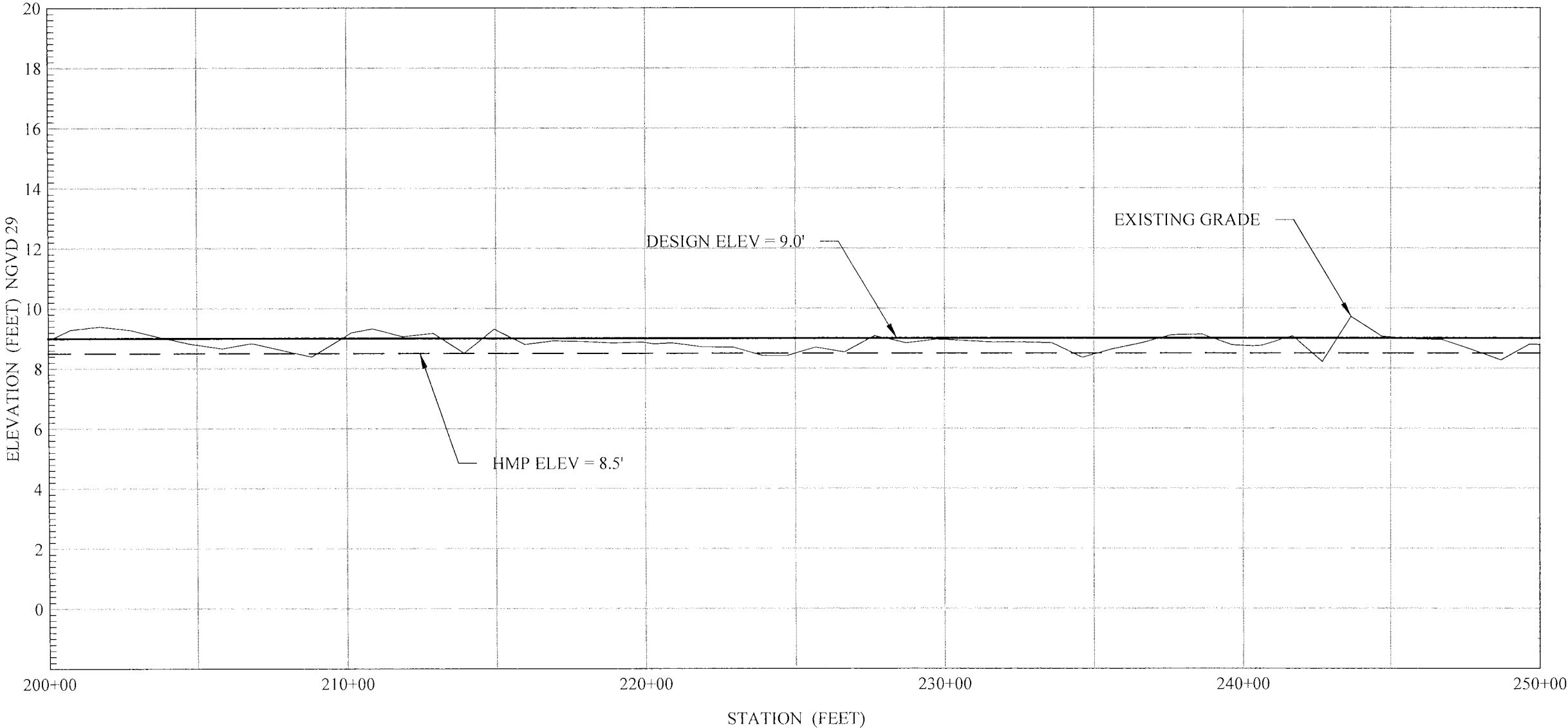
C8

OF

14

SHEETS

RD 2044 - King Island
Levee Centerline Profile 200+00 - 250+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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REVISION

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AS CONSTRUCTED

RECLAMATION DISTRICT NO. 2044

KING ISLAND

PROFILE - STA 200+00 TO 250+00

SCALE: AS SHOWN

JOB NO: 4375-12

BY: AR

CHK: MM

DATE: 07/13/2015

SHEET

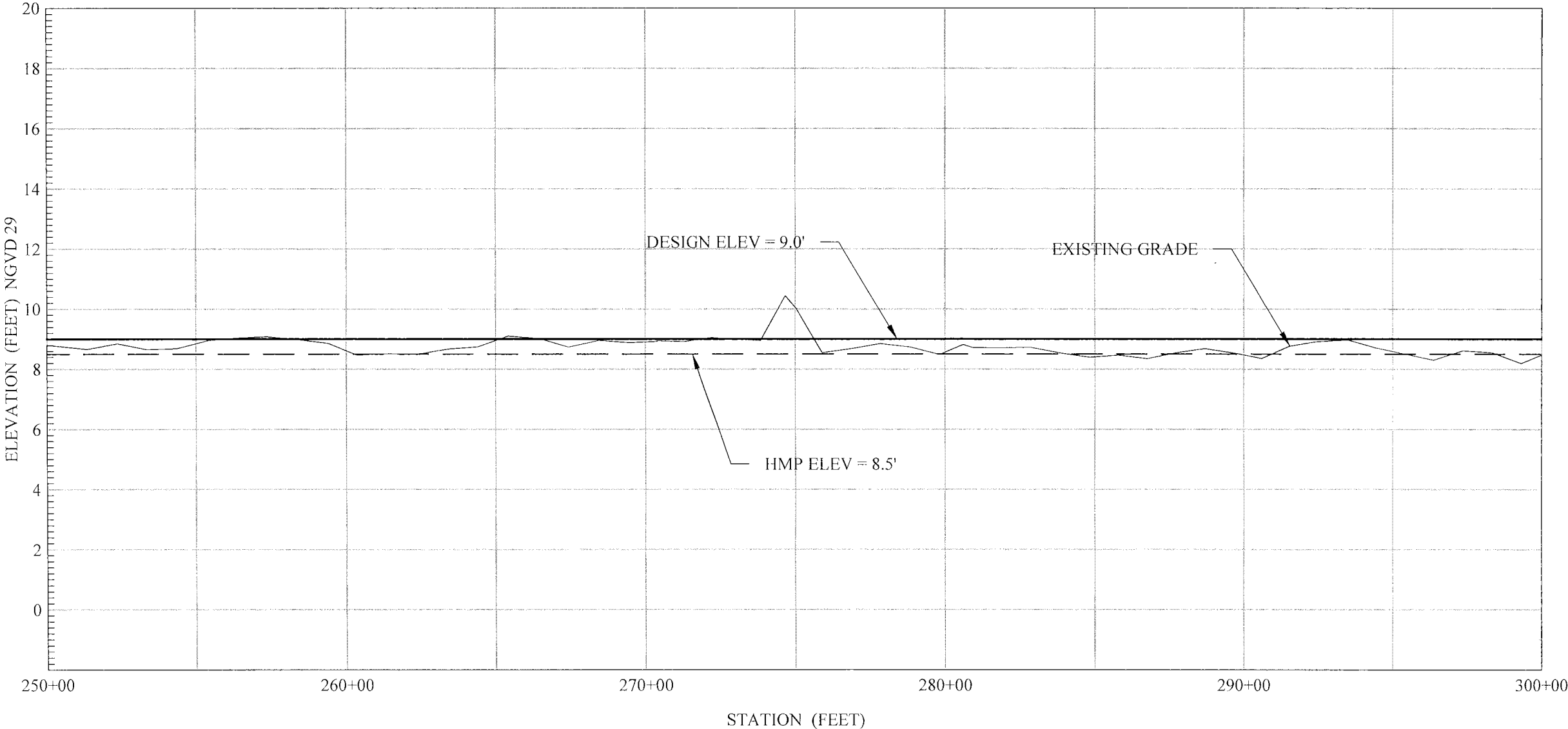
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OF

14

SHEETS

RD 2044 - King Island
Levee Centerline Profile 250+00 - 300+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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REVISION

DATE

NO.

AS CONSTRUCTED

RECLAMATION DISTRICT NO. 2044

KING ISLAND

PROFILE - STA 250+00 TO 300+00

SCALE: AS SHOWN

JOB NO: 4375-12

BY: AR

CHK: MM

DATE: 07/13/2015

SHEET

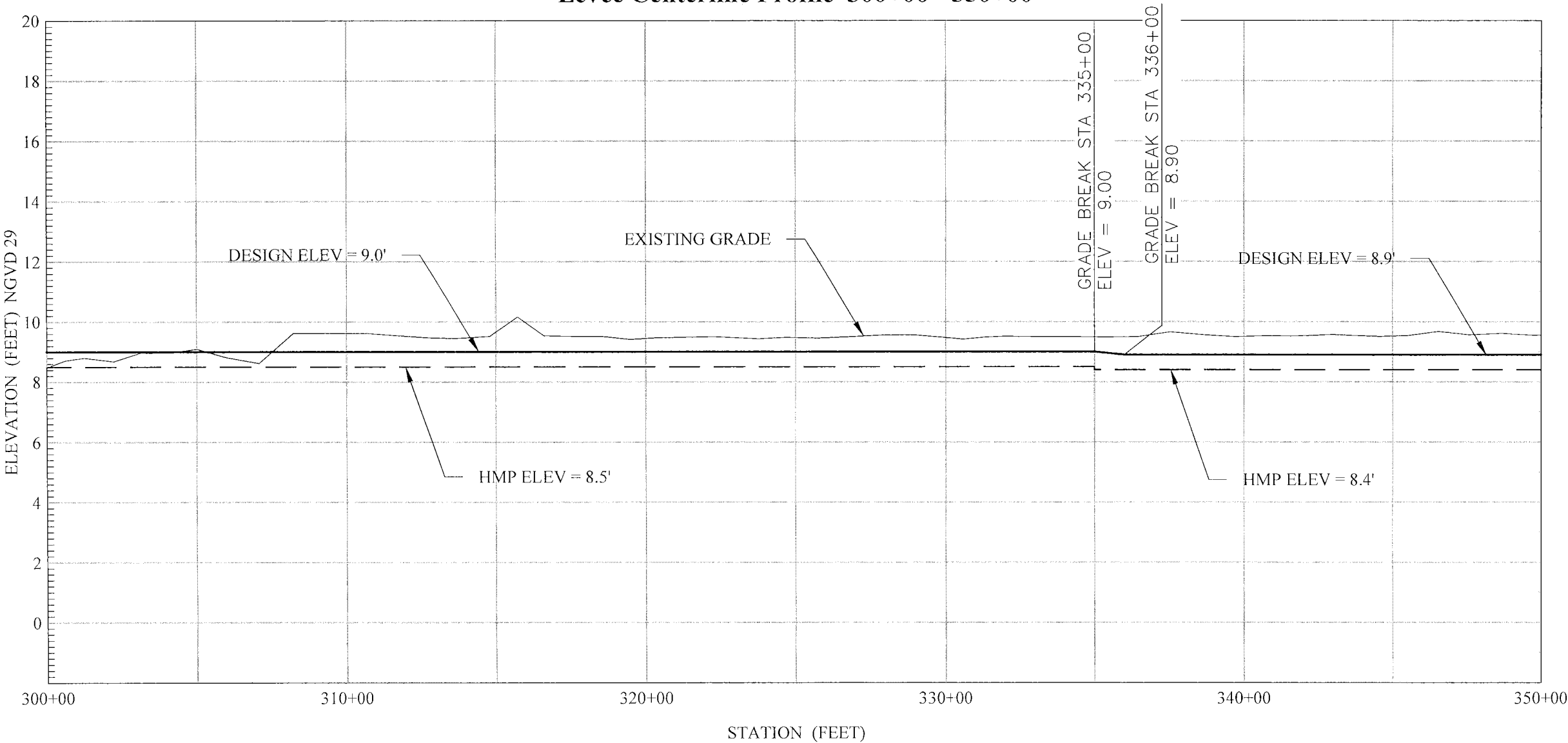
C10

OF

14

SHEETS

RD 2044 - King Island
Levee Centerline Profile 300+00 - 350+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax: (916) 456-0253

NO.	DATE	REVISION
AS CONSTRUCTED		

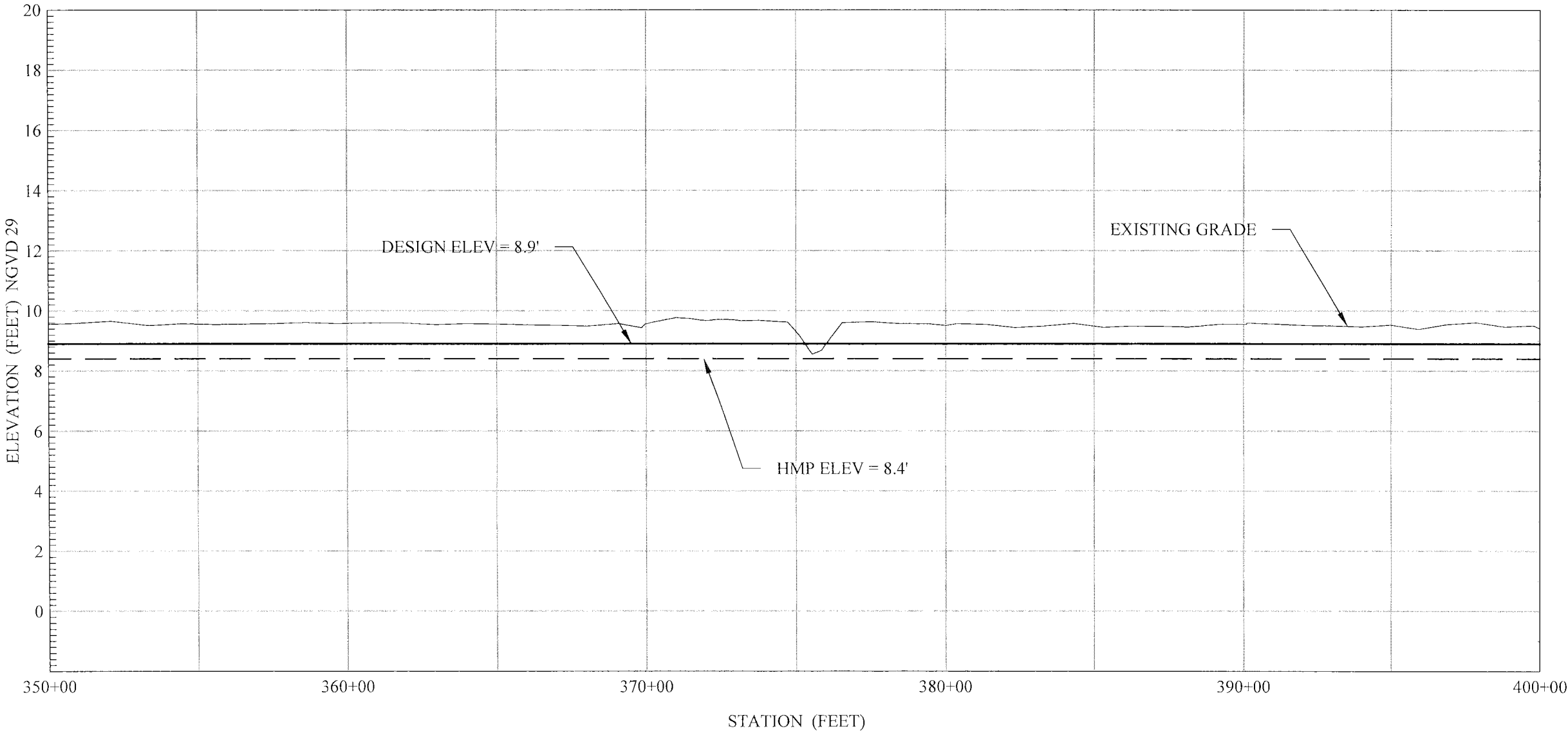
RECLAMATION DISTRICT NO. 2044
KING ISLAND

PROFILE - STA 300+00 TO 350+00

SCALE: AS SHOWN
JOB NO: 4375-12
BY: AR
CHK: MM
DATE: 07/13/2015

SHEET
C11 OF 14
SHEETS

RD 2044 - King Island
Levee Centerline Profile 350+00 - 400+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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ENGINEERS

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AS CONSTRUCTED

RECLAMATION DISTRICT NO. 2044

KING ISLAND

PROFILE - STA 350+00 TO 400+00

SCALE: AS SHOWN

JOB NO: 4375-12

BY: AR

CHK: MM

DATE: 07/13/2015

SHEET

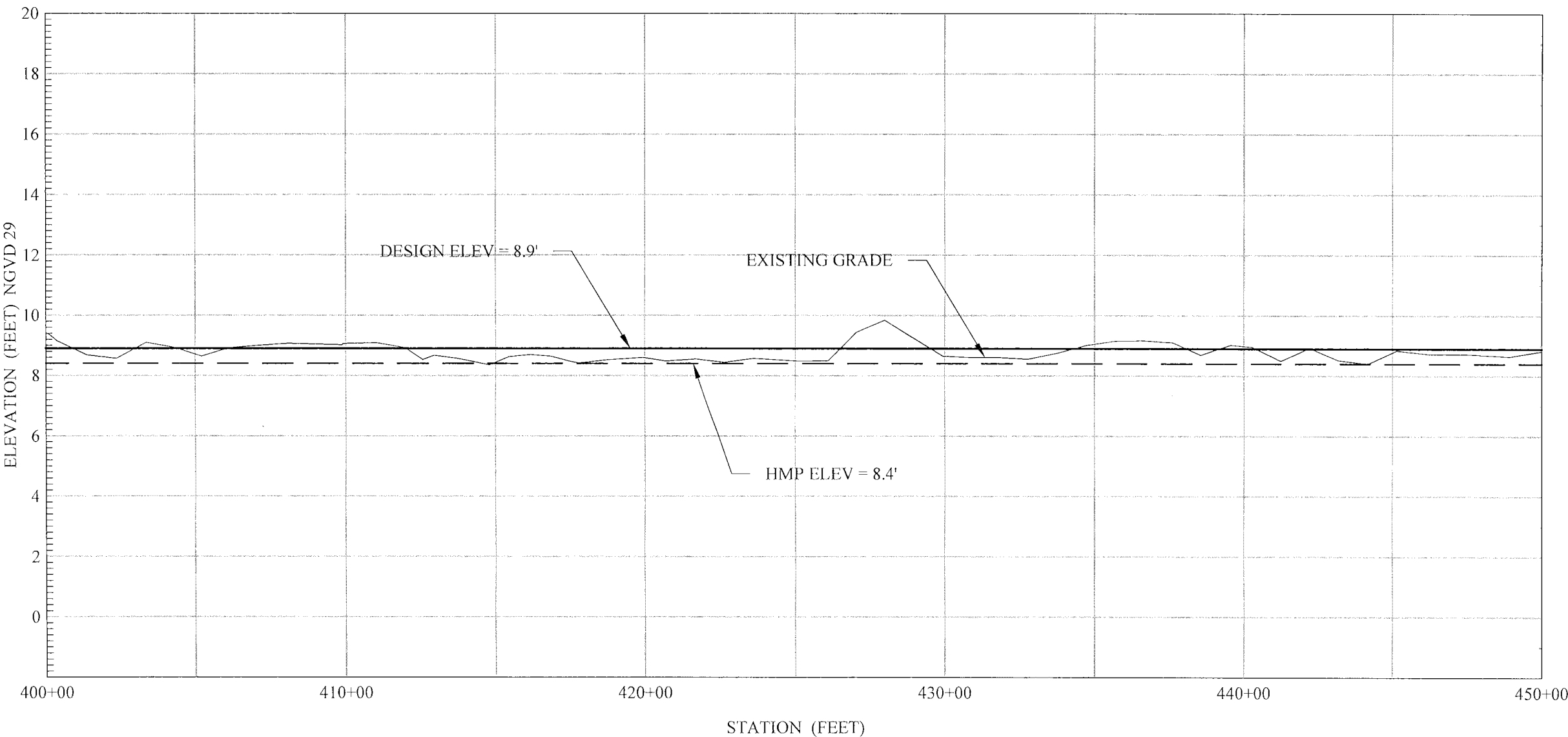
C12

OF

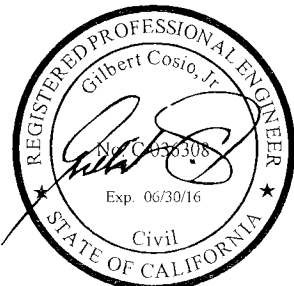
14

SHEETS

RD 2044 - King Island
Levee Centerline Profile 400+00 - 450+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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DATE

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AS CONSTRUCTED

RECLAMATION DISTRICT NO. 2044
KING ISLAND

PROFILE - STA 400+00 TO 450+00

SCALE: AS SHOWN

JOB NO: 4375-12

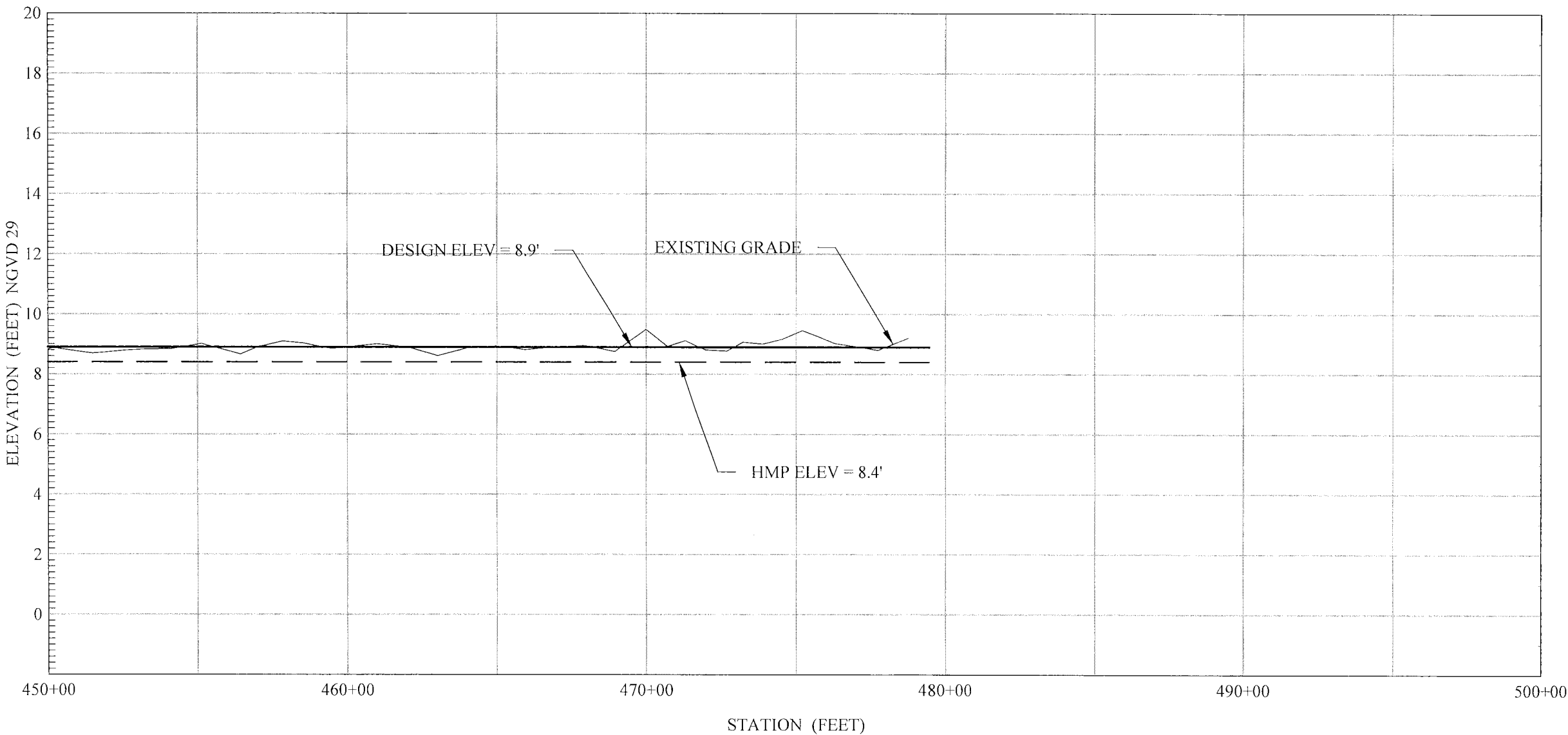
BY: AR

CHK: MM

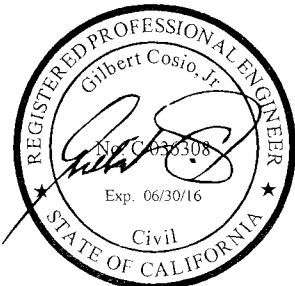
DATE: 07/13/2015

SHEET
C13 OF 14
SHEETS

RD 2044 - King Island
Levee Centerline Profile 450+00 - 500+00



SCALE:
Vertical: 1" = 4'
Horizontal: 1" = 400'



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REVISION

DATE

NO.

AS CONSTRUCTED

RECLAMATION DISTRICT NO. 2044

KING ISLAND

PROFILE - STA 450+00 TO END

SCALE: AS SHOWN

JOB NO: 4375-12

BY: AR

CHK: MM

DATE: 07/13/2015

SHEET

C14

OF

14

SHEETS

General Notes

Nothing allowed in the buffer and transition areas at any time.

Signs are showing to the public only when in use.

Signs and channelizing devices must be retro-reflective or illuminated during night operations

Signs are 1.5m X 1.5m (48"X48") in size unless noted otherwise.

Signs are spaced per the 2014 CA MUTCD

Channelizing device spacing and taper lengths are based upon their respective charts (see charts on this page)

Notify the local law enforcement, fire and ambulance 24 hours before work begins.

Traffic Control Contractor to make sure all traffic control equipment meets 2014 CA MUTCD requirements.

CA MUTCD 2014 Edition Table 6C-1 and Table 6H-4

Posted Speed	Formula	Buffer Space	Minimum Taper Lengths									Maximum Cone Spacing	Sign Spacing
			10' Offset			11' Offset			12' Offset				
			L	1/2 L	1/3 L	L	1/2 L	1/3 L	L	1/2 L	1/3 L		
25	$L = \frac{WS^2}{60}$	155'	Merge	Shift	Shoulder	Merge	Shift	Shoulder	Merge	Shift	Shoulder	25'	100' - 200'
30		200'	104'	52'	35'	115'	57'	38'	125'	63'	42'	30'	120' - 240'
35		250'	150'	75'	50'	165'	83'	55'	180'	90'	60'	35'	140' - 280'
40		305'	204'	102'	68'	225'	112'	75'	245'	123'	82'	40'	160' - 320'
45		360'	267'	133'	89'	293'	147'	98'	320'	160'	107'	45'	350' - 500'
50	L = WS	425'	450'	225'	150'	495'	248'	165'	540'	270'	180'	50'	525' Max
55		500'	550'	250'	167'	550'	275'	183'	600'	300'	200'	50'	550' Max
60		570'	600'	275'	183'	605'	303'	202'	660'	330'	220'	50'	575' Max
65		645'	660'	300'	200'	660'	330'	220'	720'	360'	240'	50'	600' Max
70		730'	700'	325'	217'	715'	358'	238'	780'	390'	260'	50'	650' Max

L = Taper Length S = Speed W = Width — offset from the path of travel

Low Speed is 40 MPH / High Speed is 45MPH and above

Based Upon 35th % Tile or if not available, then use Posted Speed Limit (PSL)

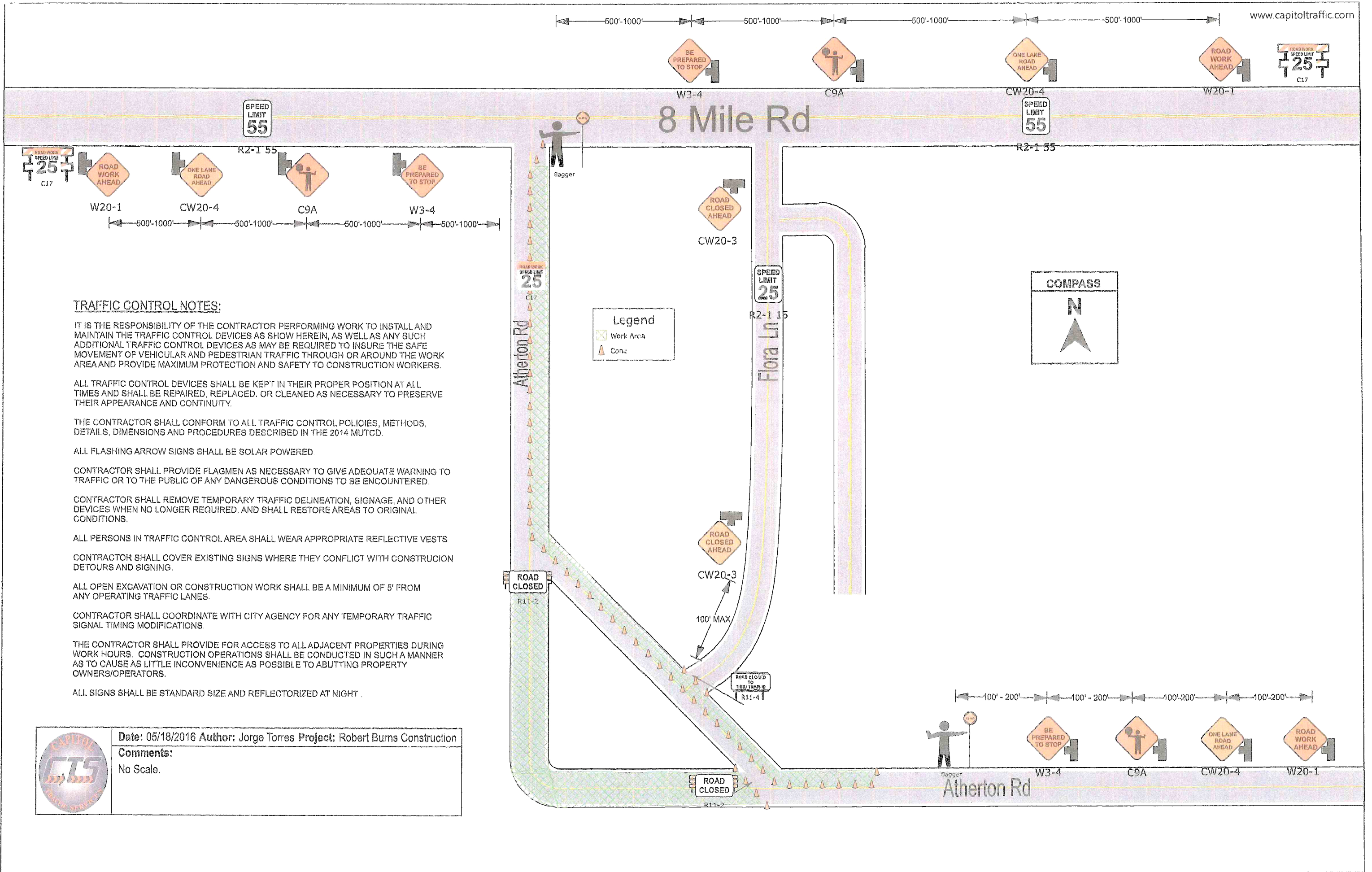
ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN (LOW SPEED) - 25 MPH OR LESS	100 FEET	100 FEET	100 FEET
URBAN (LOW SPEED) - MORE THAN 25 MPH TO 40 MPH	250 FEET	250 FEET	250 FEET
URBAN (HIGH SPEED) - MORE THAN 40 MPH	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY / FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET



C-31 Contractor # 995176

1661 East Miner Avenue
Stockton, CA 95205

209-469-2663



TRAFFIC CONTROL NOTES:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING WORK TO INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN, AS WELL AS ANY SUCH ADDITIONAL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED TO INSURE THE SAFE MOVEMENT OF VEHICULAR AND PEDESTRIAN TRAFFIC THROUGH OR AROUND THE WORK AREA AND PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.

ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY.

THE CONTRACTOR SHALL CONFORM TO ALL TRAFFIC CONTROL POLICIES, METHODS, DETAILS, DIMENSIONS AND PROCEDURES DESCRIBED IN THE 2014 MUTCD.

ALL FLASHING ARROW SIGNS SHALL BE SOLAR POWERED

CONTRACTOR SHALL PROVIDE FLAGMEN AS NECESSARY TO GIVE ADEQUATE WARNING TO TRAFFIC OR TO THE PUBLIC OF ANY DANGEROUS CONDITIONS TO BE ENCOUNTERED

CONTRACTOR SHALL REMOVE TEMPORARY TRAFFIC DELINEATION, SIGNAGE, AND OTHER DEVICES WHEN NO LONGER REQUIRED, AND SHALL RESTORE AREAS TO ORIGINAL CONDITIONS.

ALL PERSONS IN TRAFFIC CONTROL AREA SHALL WEAR APPROPRIATE REFLECTIVE VESTS

CONTRACTOR SHALL COVER EXISTING SIGNS WHERE THEY CONFLICT WITH CONSTRUCTION DETOURS AND SIGNING.

ALL OPEN EXCAVATION OR CONSTRUCTION WORK SHALL BE A MINIMUM OF 5' FROM ANY OPERATING TRAFFIC LANES.

CONTRACTOR SHALL COORDINATE WITH CITY AGENCY FOR ANY TEMPORARY TRAFFIC SIGNAL TIMING MODIFICATIONS.

THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES DURING WORK HOURS. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ADJUTING PROPERTY OWNERS/OPERATORS.

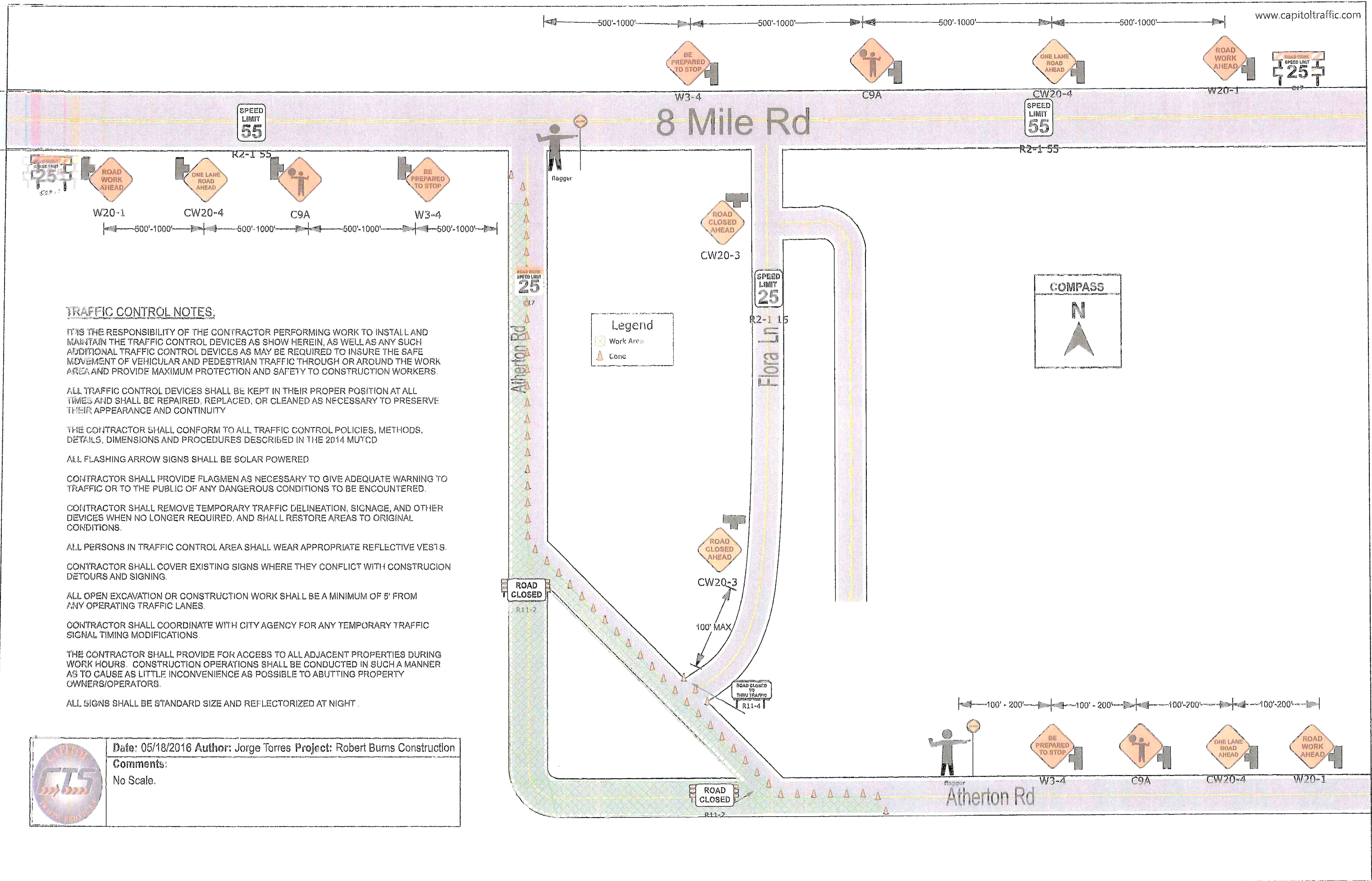
ALL SIGNS SHALL BE STANDARD SIZE AND REFLECTORIZED AT NIGHT.



Date: 05/18/2016 Author: Jorge Torres Project: Robert Burns Construction

Comments:

No Scale.



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