

GENERAL NOTES

1. ALL PUBLIC IMPROVEMENT CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY AND ONSITE SHALL BE CONDUCTED IN ACCORDANCE WITH, AND CONFORM TO, THE LATEST EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, BOTH AS PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.).

2. INSPECTION OF WORK PER M.A.G. 105.10: THE ENGINEER SHALL BE PERMITTED TO INSPECT ALL MATERIALS, AND EACH PART OR DETAIL OF THE WORK AT ANY TIME FOR THE PURPOSE OF EXPEDITING AND FACILITATING THE PROGRESS OF WORK. HE SHALL BE FURNISHED WITH SUCH INFORMATION AND ASSISTANCE BY THE CONTRACTOR, AS IS REQUIRED TO MAKE A COMPLETE AND DETAILED INSPECTION. THE CITY ENGINEER REQUIRES THAT THE ACTUAL TEST RESULT DATA SHEET ACCOMPANY ALL COMPACTION TEST RESULTS SUBMITTED TO THE CITY'S INSPECTOR. PASS/FAIL STATEMENTS ARE NOT ACCEPTABLE WITHOUT THE ATTACHED DATA SHEET. FAILURE TO SUBMIT THE TEST RESULT DATA SHEETS WILL RESULT IN AN INCOMPLETE SUBMITTAL AND THE TEST WILL BE REJECTED.

3. IN THE EVENT OF CONFLICT BETWEEN M.A.G. STANDARD SPECIFICATIONS AND STANDARD DETAILS AND THESE PLANS, THESE PLANS SHALL PREVAIL.

4. THE OFFICE OF THE CITY ENGINEER SHALL BE NOTIFIED AT LEAST FORTY EIGHT (48) HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK WITHIN THE CITY RIGHT-OF-WAY. TELEPHONE: 520-466-3082.

5. CONTRACTOR IS TO NOTIFY ALL PUBLIC UTILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, FOR FIELD LOCATIONS OF THEIR RESPECTIVE FACILITIES, BY CONTACTING THE FOLLOWING: BLUE STAKE NUMBER: 1-800-782-5348.

6. CONTRACTOR SHALL COORDINATE AND MAKE ARRANGEMENTS FOR RELOCATION OF ANY UTILITIES CONFLICTING WITH THE PROPOSED CONSTRUCTION OF THESE PLANS, WITH THE APPROPRIATE UTILITY.

7. REMOVAL AND REPLACEMENT OF ALL TREES, SHRUBS, VEGETATION, MISCELLANEOUS STRUCTURES, DEBRIS, RUBBLE AND OTHER DELETERIOUS MATERIALS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

8. ALL CONCRETE SIDEWALKS, DRIVEWAY, APRONS, CROSS-PANS, VALLEY GUTTER, CURBS AND GUTTERS LANDSCAPING AND IRRIGATION THAT MAY BE DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

9. SHORING IS TO BE INSTALLED OR A TRENCH BOX IS TO BE USED, IN ALL TRENCHES IN EXCESS OF FIVE (5') FEET IN DEPTH. A REGISTERED CIVIL ENGINEER OR SOILS ENGINEER SHALL CERTIFY SHORING INSTALLATION PLANS, DETAILS AND SPECIFICATIONS. SHORING MUST CONFORM TO OSHA 29 CFR, PART 1926, AND SUBPART D.

10. COMPACTION TESTING IS REQUIRED AND MUST BE PERFORMED IN THE PRESENCE OF A REPRESENTATIVE OF THE CITY ENGINEER.

BACKFILL: BACKFILL WITHIN THE PUBLIC UTILITY EASEMENT AND WITHIN PUBLIC STREET RIGHT-OF-WAY COMPACT TO 95% OF MAXIMUM THEORETICAL DENSITY PER ASTM D698. ALL MATERIALS OUTSIDE THE MOISTURE LIMIT SHALL BE CONSIDERED UNSUITABLE, AND SUBJECT TO REMOVAL. NO HYDRAULIC COMPACTION OR WATER JET COMPACTION WILL BE ALLOWED. ALL COMPACTION MUST BE DONE BY MECHANICAL MEANS. MOISTURE LIMIT SPEC. 2.0 PERCENT BELOW OPTIMUM MOISTURE, MATERIAL SHALL BE UNIFORM.

SUB-GRADE: SUB-GRADE PREPARATION FOR ALL NEW STREETS AND ROADWAYS SHALL CONSIST OF SCARIFYING AND LOOSENING SUB-GRADE TO A DEPTH OF SIX (6") INCHES. SUB-GRADE SHALL BE CONSTRUCTED TO ACHIEVE UNIFORM MOISTURE CONTENT BY THE ADDITION OF WATER AND COMPACTED TO 95% OF MAXIMUM DENSITY. MOISTURE SHALL BE MAINTAINED BETWEEN OPTIMUM AND 4.0% BELOW OPTIMUM MOISTURE AND SHALL BE COMPACTED TO 95% ON MAXIMUM THEORETICAL DENSITY, AS DETERMINED BY ASTM D698. ALL MATERIALS OUTSIDE THE MOISTURE LIMIT AT THE TIME OF PLACEMENT AND COMPACTION SHALL BE CONSIDERED UNSUITABLE AND SUBJECT TO REMOVAL. THE FINISHED SURFACE OF THE SUB-GRADE SHALL NOT VARY FROM THE GRADES ESTABLISHED BY THE CITY ENGINEER BY MORE THAN: 0.04 OF A FOOT ABOVE OR BELOW SPECIFIED GRADE.

11. INSTALL FOUR (4") INCHES OF AGGREGATE BASE COURSE MATERIAL, COMPACTED TO 100% UNDER ALL SIDEWALKS, ALLEYWAY AND DRIVEWAY ENTRANCES.

12. GRADING OF AGGREGATE BASES AND AGGREGATE SUB-BASE SHALL BE AS FOLLOWS: AGGREGATE MATERIALS SHALL HAVE WATER ADDED TO THEM AND SHALL BE MIXED AND PROCESSED TO PRODUCE A UNIFORM BLEND OF MATERIAL BEFORE PLACEMENT. AFTER PROCESSING, THE MATERIAL SHALL BE PLACED AND SPREAD ON THE PREPARED SUB-GRADE AND SHALL BE PLACED IN A UNIFORM LAYER OR LAYERS NOT EXCEEDING SIX (6") INCHES IN COMPACTED DEPTH, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER. EACH LAYER OF AGGREGATE BASE SHALL BE COMPACTED TO A DENSITY OF NOT LESS THEN 100% OF THE MAXIMUM DENSITY. THE FINISHED SURFACE OF THE SUB-GRADE SHALL NOT VARY FROM THE GRADES ESTABLISHED BY THE CITY ENGINEER BY MORE THAN: 0.04 OF A FOOT ABOVE OR BELOW SPECIFIED GRADE.

13. COMPACTION TESTING FOR SUB-GRADE WILL BE DONE AFTER THE SUB-GRADE HAS BEEN STRING LINED AND IS WITHIN TOLERANCE AND ACCEPTED BY THE CITY ENGINEER. THE CITY ENGINEER OR HIS REPRESENTATIVE WILL DIRECT THE NUMBER AND LOCATION OF DENSITY TESTS. ALL SUB-GRADES SHALL HAVE A BLUE-TOP ELEVATION SET TO FINISHED GRADE AND LEFT AND RIGHT EDGES OF PAVEMENT, AND CENTERLINE OF ROADWAY.

14. ONE (1) SAND CONE TEST SHALL BE REQUIRED FOR EVERY TEN (10) NUCLEAR DENSITY TESTS PERFORMED, OR WHEN HAVE REQUESTED BY THE CITY ENGINEER OR HIS REPRESENTATIVE. THE CITY ENGINEER OR ENGINEER'S REPRESENTATIVE SHALL DETERMINE THE LOCATIONS OF THESE SAND CONE TESTS.

15. ALL MATERIALS, INCLUDING BUT NOT LIMITED TO AGGREGATE BASE COURSE, BORROW MATERIAL AND NATIVE MATERIAL, WILL BE ACCEPTED IN PLACE ONLY. TESTING REQUIRED FOR ACCEPTANCE WILL INCLUDE A SIEVE ANALYSIS AND PLASTICITY INDEX, (P.I.), DETERMINATION OF MAXIMUM THEORETICAL DENSITY WILL BE IN ACCORDANCE WITH ASTM D698. ONLY A FOUR POINT PROCTOR TEST WILL BE ACCEPTED.

16. THE BASE COURSE SHALL NOT BE PLACED ON SUB-GRADE UNTIL THE CITY ENGINEER HAS ACCEPTED THE SUB-GRADE. ALL MATERIALS WILL BE ACCEPTED IN PLACE ONLY.

17. COMPACTION DENSITIES: M.A.G. TYPE I BACKFILL MATERIAL (SECTION 601.4.4) IS MODIFIED TO INCLUDE AREAS UNDER THE PAVEMENT, RIGHT-OF-WAY, AND EASEMENTS FOR ALL TRENCHES INCLUDING SEWER, WATER, ELECTRIC, GAS, TELEPHONE, AND STORM DRAINS. MOISTURE SPEC. 2.0 PERCENT BELOW OPTIMUM MOISTURE COMPACT TO 95% OF MAXIMUM THEORETICAL DENSITY. ALL MATERIALS OUTSIDE THE MOISTURE SPEC-LIMIT SHALL BE CONSIDERED UNSUITABLE, SUBJECT TO REMOVAL AND MATERIAL SHALL BE UNIFORM.

18. THE LOCATION OF ALL SEWER STUB-OUTS SHALL BE STAMPED ON THE TOP OF VERTICAL CURB, AND FACE OF ROLLED CURBS, WITH A FOUR (4") INCH HIGH LETTERS (IE: "S").

19. ALL CURB, GUTTER AND SIDEWALK EXPANSION JOINT FILLER WILL BE 1/2" BITUMINOUS PRE-MOLDED STRIPS. ALL EXPANSION JOINT SPACING SHALL NOT EXCEED A MAXIMUM OF (50) FEET OR AS DIRECTED BY THE CITY ENGINEER. CONCRETE CURING COMPOUND MATERIAL SHALL BE A WHITE PIGMENT MEMBRANE USED ON ALL CONCRETE STRUCTURES INCLUDING CURB & GUTTER, SIDEWALK, HEADWALL, CATCH BASINS AND SIDEWALK RAMPS.

20. PAVING WILL NOT COMMENCE UNTIL AGGREGATE BASE COURSE COMPACTION AND GRADATION TESTS ARE COMPLETED AND THE CITY ENGINEER ACCEPTS THE RESULTS.

21. NO TRENCH IN PUBLIC RIGHT-OF-WAY SHALL BE LESS THAN TWELVE (12") IN WIDTH TO ENSURE PROPER COMPACTION AND TESTING.

STAKING NOTES

CALL THE BLUE STAKE CENTER (263-1100) 48 HOURS BEFORE DIGGING FOR LOCATION OF UNDERGROUND UTILITIES AND NOTIFY SRP.

ALL OFFSET OR REFERENCE STAKES SET BY THE ENGINEER ARE TO BE MAINTAINED INTACT. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTION SHALL BE PRESENTED TO ANY PARTY UNLESS SUCH STAKES ARE PRESENT AND THEIR ORIGIN IS VERIFIED. IF STAKES ARE NOT MAINTAINED INTACT ALL CORRECTIONS SHALL BE MADE BY THE CONTRACTOR AT HIS EXPENSE.

ONE SET OF STAKES WILL BE FURNISHED BY THE OWNER FOR THE WATER LINE, WATER SERVICES, FIRE HYDRANT LOCATIONS AND GRADE, SEWER LINES AND SERVICES. CONCRETE, SUBGRADE AND A.B.C. ALL ADDITIONAL STAKING TO BE CHARGE TO THE CONTRACTOR. 24 WORKING HOUR NOTICE IS REQUIRE FOR STAKING BY THE SUBDIVISION ENGINEER.

AS-BUILTS CERTIFICATION

I HEREBY CERTIFY THAT THE "AS-BUILT" MEASUREMENTS AS SHOWN OR NOTED HEREON WERE MADE BY MYSELF OR UNDER MY SUPERVISION AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNATURE

DATE

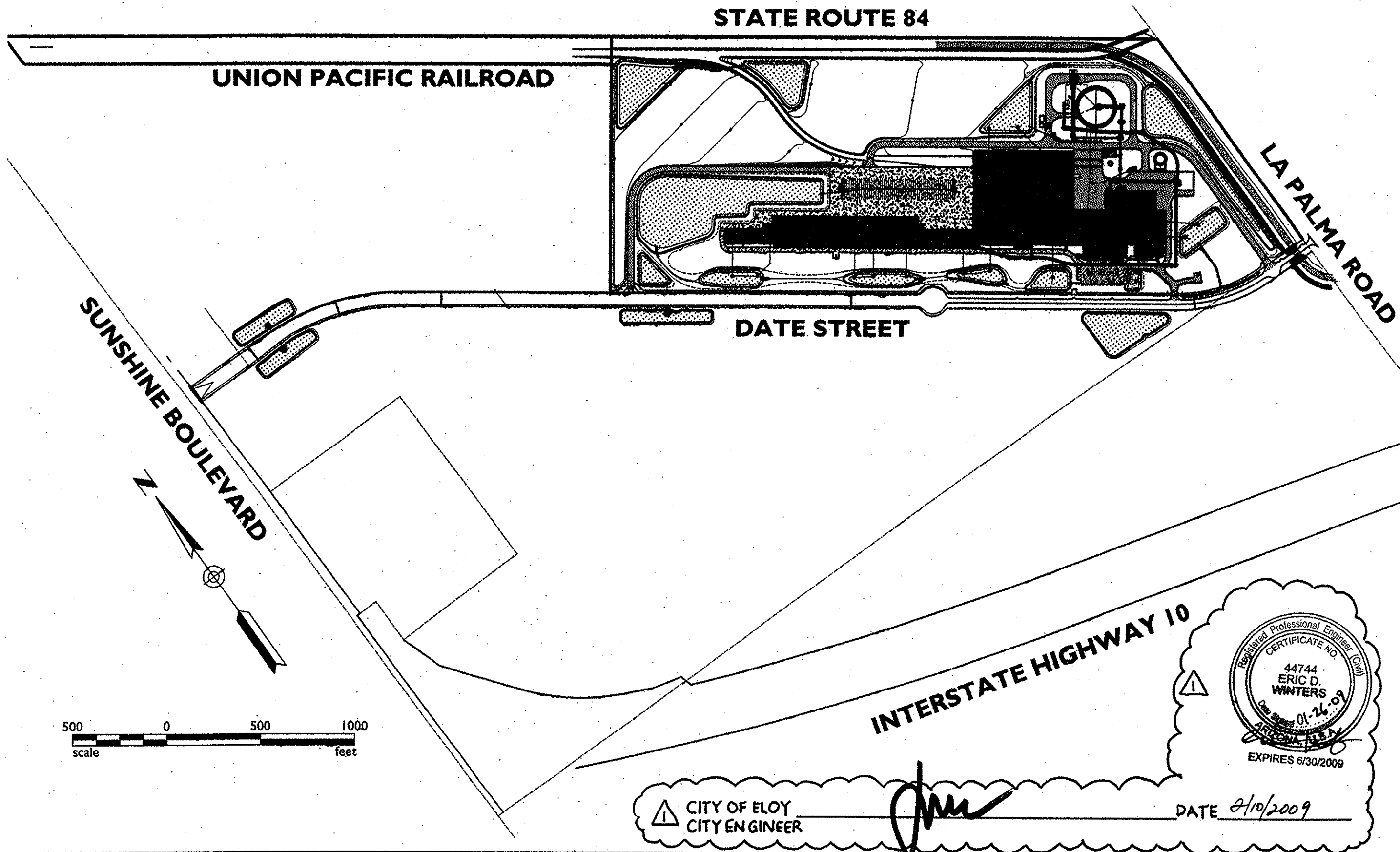
OFFSITE ROADWAY PLANS FOR NATIONAL GYPSUM COMPANY ELOY, ARIZONA

A portion of Section 8 & Section 17, T. 8 S., R. 8 E., of the Gila and Salt River Meridian, Pinal County, Arizona

ESTIMATED QUANTITIES

QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY. ENGINEER MAKES NO GUARANTEE OF ACCURACY.

ITEM	QUANTITY	ITEM	QUANTITY
(1A) PAVEMENT: 5" AC/ 12" ABC	36394 SY	(65) CONCRETE HEADWALL "U" TYPE W/ TRASHRACK (MAG 501-I, 502-2) & GROUTED RIPRAP PER DETAIL SHEET 4	4 EA
(1C) PAVEMENT: 6.5" AC/ 10" ABC	571 SY	(66) CONCRETE HEADWALL "STRAIGHT" TYPE (MAG 501-I)	2 EA
(2A) SURVEY MONUMENT MAG 120-I TYPE A	2 EA	(70A) 15" RGRCP CL III STORM DRAIN	156 LF
(2B) SURVEY MONUMENT MAG 120-I TYPE B	9 EA	(720) 24" RGRCP CL V STORM DRAIN	124 LF
(5) 6" V.C.&G. MAG 220 TYPE A	8218 LF	(74) 3-CELL 10'X3' RCB CULVERT PER ADOT STRUCTURAL STD	44 LF
(8) VALLEY GUTTER (AND APRON WHERE SHOWN) MAG 240	1940 SF	DTL B-02.30 & B-02.35	
(9) THICKENED EDGE OF PAVEMENT MAG 201-B	4422 LF	(76) CATCH BASIN MAG 534 (SINGLE)	4 EA
(12) 36" DRIVEWAY MAG 250	1 EA	(78A) CULVERT OUTLET HEADWALL & WINGS PER ADOT STRUCTURAL STD	1 EA
(27) ADJUST FRAME & COVER MAG 270	24 EA	DTL B-04.10 & B-05.10 (2:1 SLOPE; 0-DEGREE SKEW)	
(28) ADJUST FRAME & COVER MAG 391-I-C	43 EA	(78B) CULVERT INLET HEADWALL & WINGS PER ADOT STRUCTURAL STD	1 EA
(29) ADJUST FRAME & COVER MAG 422	16 EA	DTL B-04.30 & B-05.10 (2:1 SLOPE; 0-DEGREE SKEW)	
(62A) 4" PVC SCH 40 CONDUIT FOR FUTURE UG UTILITY - BOTH INVERTS SHALL BE 6.8' BELOW T/C OR E/P TO PROVIDE 1' MIN SEPARATION FROM W/L	428 LF	(79) SAFETY RAIL (MAG STD DTL 145)	76 LF
(62B) 6" PVC SCH 40 CONDUIT FOR FUTURE GAS LINE - BOTH INVERTS SHALL BE 3.2' BELOW T/C OR E/P TO PROVIDE 1' MIN SEPARATION FROM W/L	428 LF	(5) REMOVE EXIST CURB AND GUTTER	116 LF
		(9) REMOVE EXIST CONC DITCH (BACKFILL AND COMPACT TO REQUIRED DENSITY)	1633 LF



RESPONSIBLE PARTY

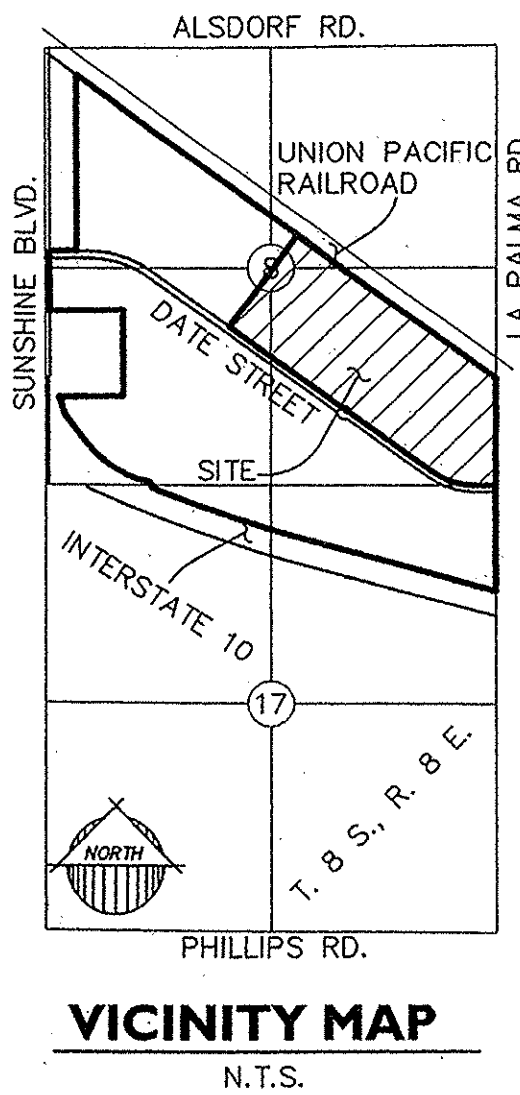
NEW NGC, INC.
2001 REXFORD ROAD
CHARLOTTE, NC 28211
PHONE (704)-365-7300
FAX (704)-365-7316
CONTACT: JOE BROWN

GENERAL CONTRACTOR

BOVIS LEND LEASE
2550 WEST TYVOLA ROAD, SUITE 600
CHARLOTTE, NC 28217
PHONE (704)-357-2899
FAX (704)-357-2992
CONTACT: MIKE CHAMBERLAIN

ENGINEER

EPS GROUP, INC.
2150-I S. COUNTRY CLUB DR., STE 22
MESA, AZ 85210
PHONE (480)-503-2250
FAX (480)-503-2258
CONTACT: ERIC WINTERS, PE



VICINITY MAP

N.T.S.

NATIONAL GYPSUM CO. PHYSICAL ADDRESS:
750 E. DATE STREET
ELOY, ARIZONA 85231

NOTE:

THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES UPON HIMSELF THE INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS TO THEM WITHOUT CONFERRING WITH THE ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF.

COORDINATION LIST

DESCRIPTION	REPRESENTATIVE	PHONE
ARIZONA PUBLIC SERVICE CO.	JEFF CREEDON	520-421-8395
EAGLE WEST CABLE	PETE COLLINGS	800-558-5564
ELECTRIC DISTRICT NO. 4	RON WILHITE	520-466-7336
EL PASO GAS CO.	RON BROWN	602-438-4232
SOUTHWEST GAS CO.	ROY ARCHER	520-421-1548
QWEST COMMUNICATIONS	RICK PETERS	520-836-1997
KINDER MORGAN	DON QUINN	714-560-4400

SHEET INDEX

DESCRIPTION	SHEET NO.
COVER SHEET	CS01
NOTES SHEET	CS02
INDEX SHEET	CS03
DETAIL SHEETS	DT01-DT03
OFFSITE ROADWAY PLANS	OS01-OS06
SIGNING & STRIPING PLANS	SS01-SS03

BENCHMARK

NGS STATION S363
NAVD 88
ELEV: 1553.80

SUBTRACT 0.29' FROM ELEVATIONS SHOWN ON THESE PLANS FOR CURRENT CITY OF ELOY DATUM.

BASIS OF BEARING

THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 8, T. 8 S., R. 8 E. AS USED BY SOUTHWESTERN STATES SURVEYING ALTA/ACSM LAND TITLE SURVEYS JOB NO. 230577, DATED 6/30/03 AND JOB NO. 2509128 DATED 9/27/05

BEARING: N00°30'00"W

APPROVALS

THE AUTHORIZED REPRESENTATIVES OF THE FOLLOWING AGENCIES HEREBY ACKNOWLEDGE OR HAVE ACKNOWLEDGED THAT THEY HAVE REVIEWED AND APPROVED THE DESIGN SHOWN BY THESE DRAWINGS. CONSTRUCTION MAY BEGIN AFTER ALL APPROPRIATE PERMITS HAVE BEEN OBTAINED.

CITY OF ELOY
CITY ENGINEER

DATE 8/10/2009

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS AND OMISSIONS.

NEW WALLBOARD FACILITY FOR

National Gypsum Company

ELOY, ARIZONA

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Eps group, Inc.
Engineers, Planners & Surveyors

2150-I S. Country Club Dr., Ste. 22
Mesa, Arizona 85210
Phone (480) 503-2250
Fax (480) 503-2258
www.epsgrouppinc.com

SEAL



REV DATE DRAWN DESCRIPTION

11-20-08 ADDITION OF STORM DRAIN EQUALIZER PIPE W/NECESSARY REMOVAL & REPLACEMENT AFTER ORIGINAL CONSTRUCTION
11-20-08 ADDITION OF PIPE CULVERTS WITH NECESSARY REMOVAL & REPLACEMENT AFTER ORIGINAL CONSTRUCTION

THIS DOCUMENT HAS BEEN ISSUED SOLELY FOR THE PURPOSE(S) NOTED IN THE REVISION BLOCK. UNTIL THIS SHEET HAS BEEN SPECIFICALLY ISSUED FOR CONSTRUCTION, FINAL PROJECT COORDINATION IS INCOMPLETE AND THE INFORMATION SHOWN HERE IS SUBJECT TO REVISION.

NOTE: PROVIDE NATIONAL GYPSUM PRODUCTS FOR ALL APPLICABLE MATERIALS. PRODUCTS FROM COMPETITORS TO NATIONAL GYPSUM COMPANY SHALL NOT BE ACCEPTABLE.

SHEET TITLE

COVER SHEET

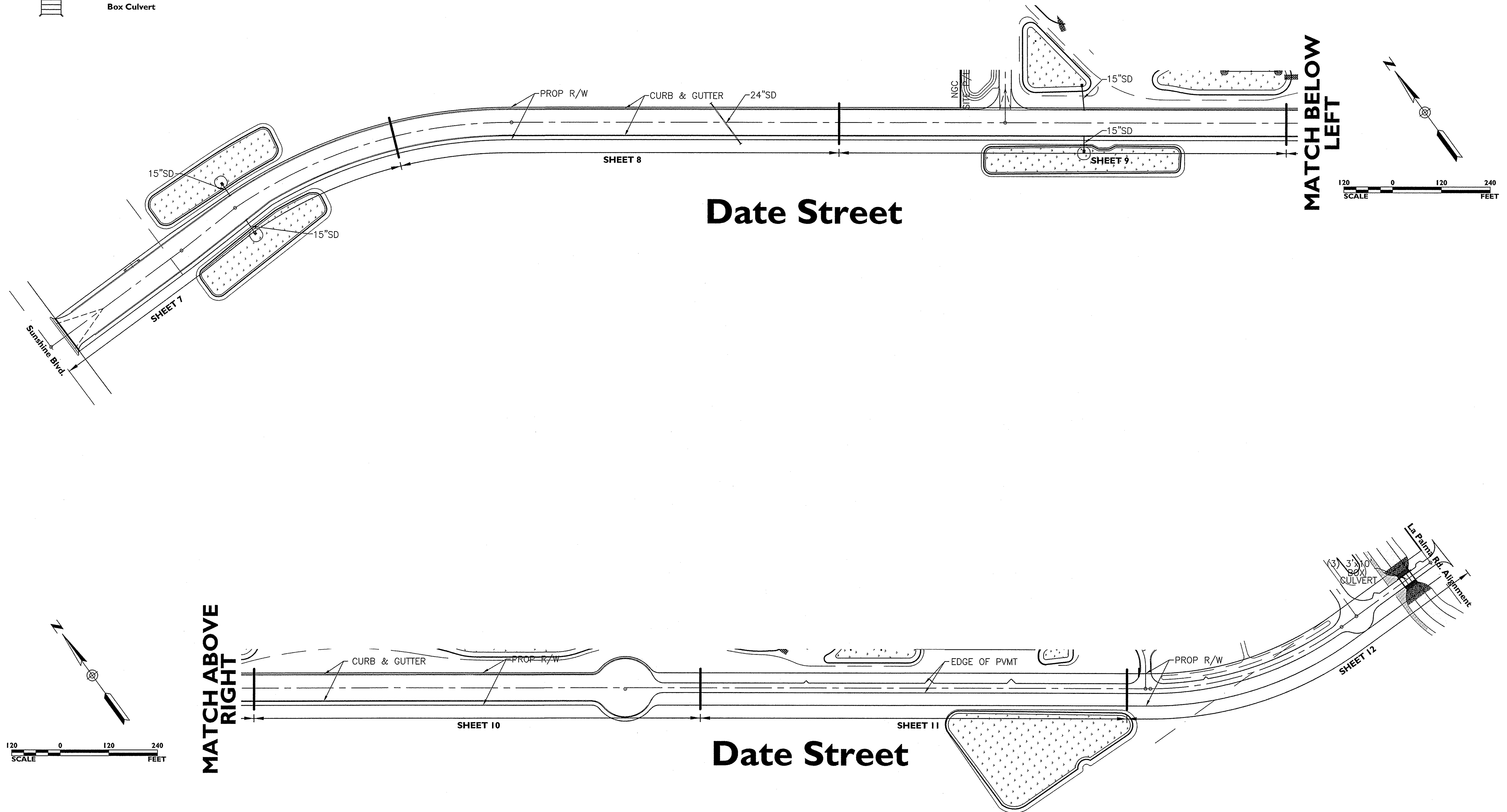
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CHECKED: AMT	PLOT FACTOR: PAPER
APPROVED: EDW	DATE: 04-27-07
PROJECT: 07-013	SCALE: 1"=500'
CAD NAME: CS01	

DRAWING NUMBER

07-013-CS01

1 of 15

	Centerline
	Curb & Gutter
	Survey Monument
	Catch Basin
	Headwall/Riprap
	Storm Drain
	Box Culvert



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REV	DATE	DRAWN	DESCRIPTION
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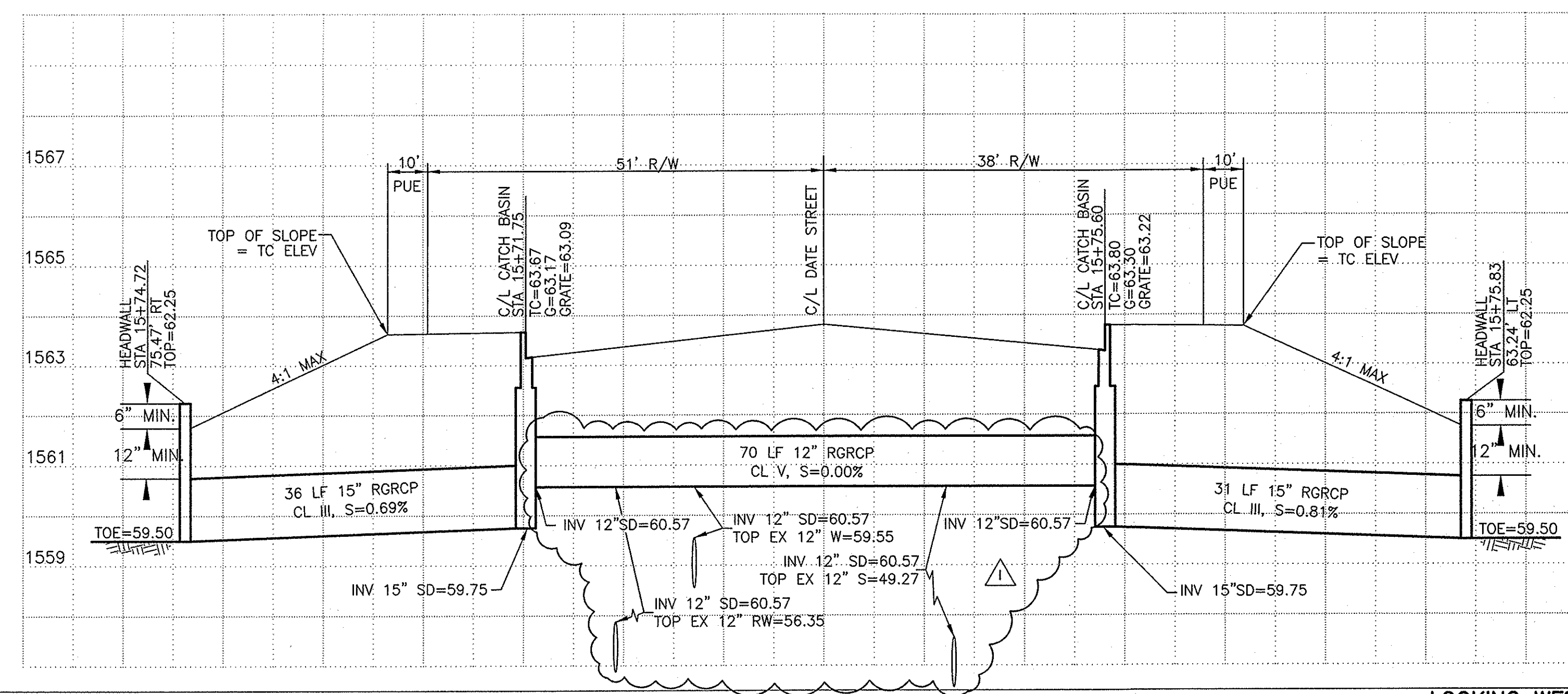
NOTE: PROVIDE NATIONAL GYPSUM PRODUCTS FOR ALL APPLICABLE MATERIALS. PRODUCTS FROM COMPETITORS TO NATIONAL GYPSUM COMPANY SHALL NOT BE ACCEPTABLE.

SHEET TITLE

INDEX SHEET

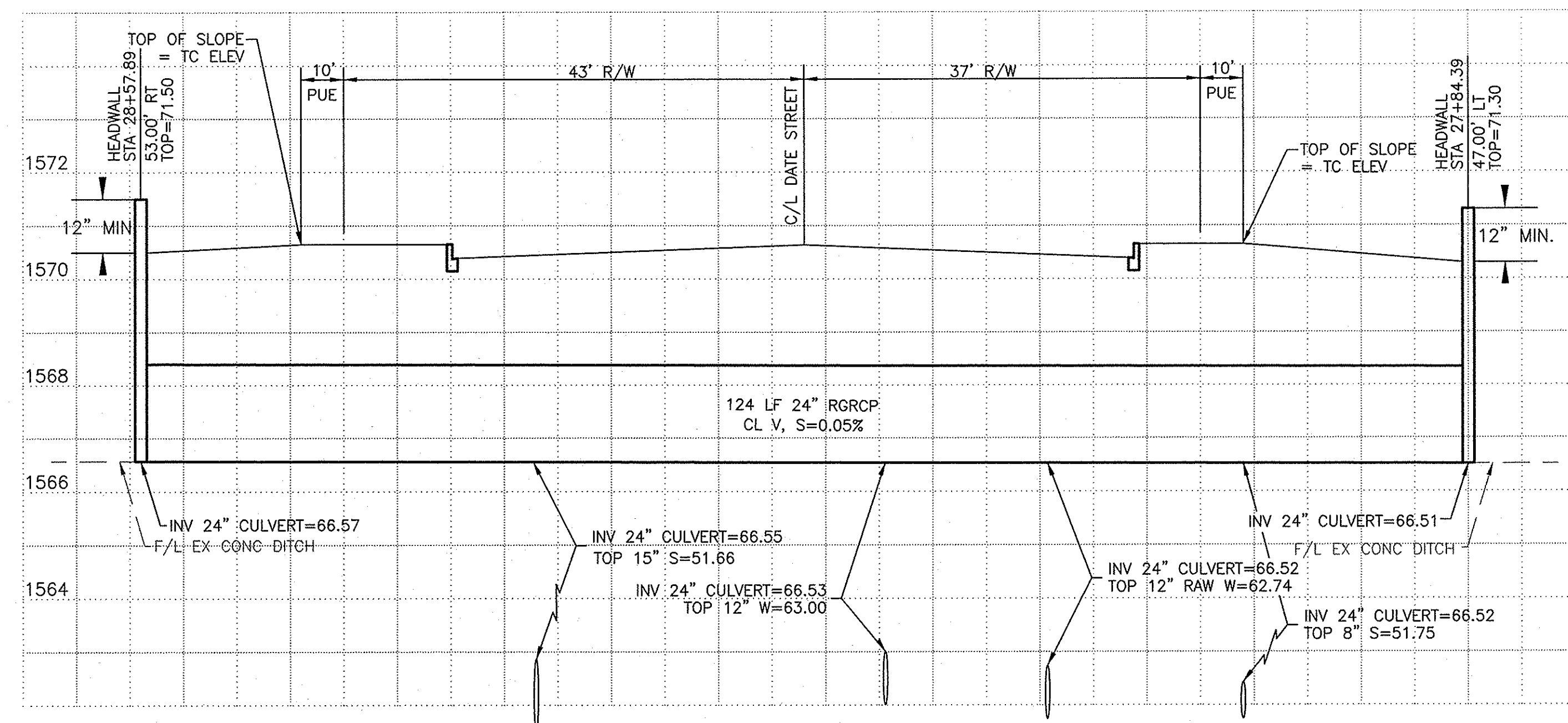
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PROJECT: 07-013	DATE: 04-27-07
CAD NAME: CS03	SCALE: 1"=120'

DRAWING NUMBER



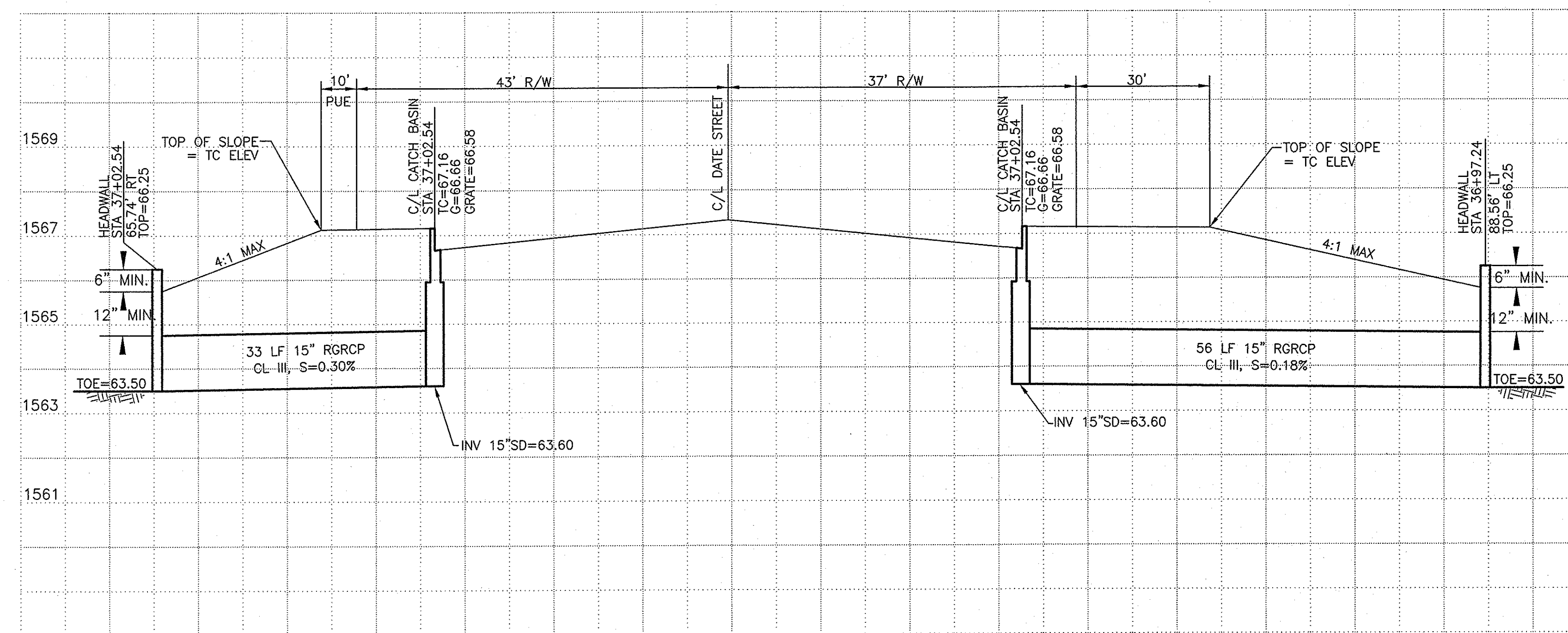
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LOOKING WEST
SEE SHEET 7



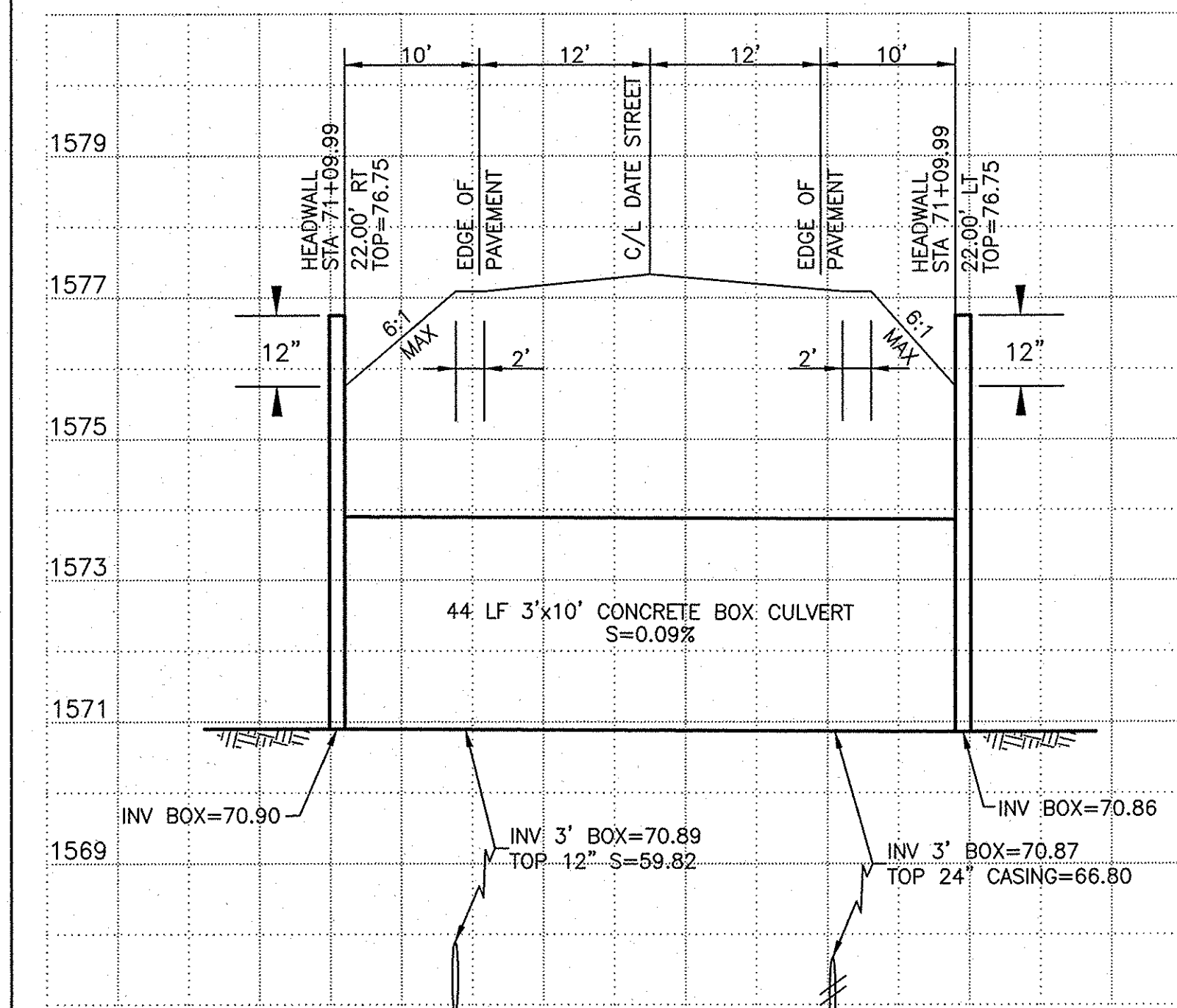
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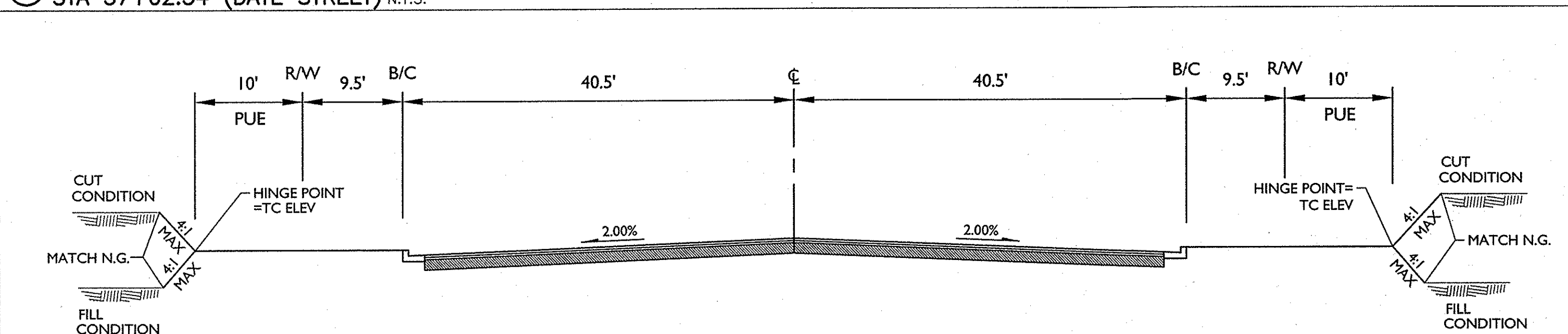
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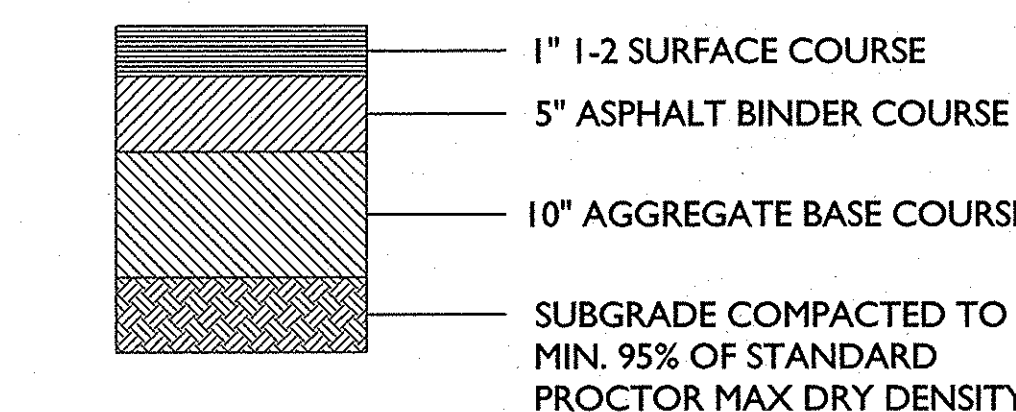
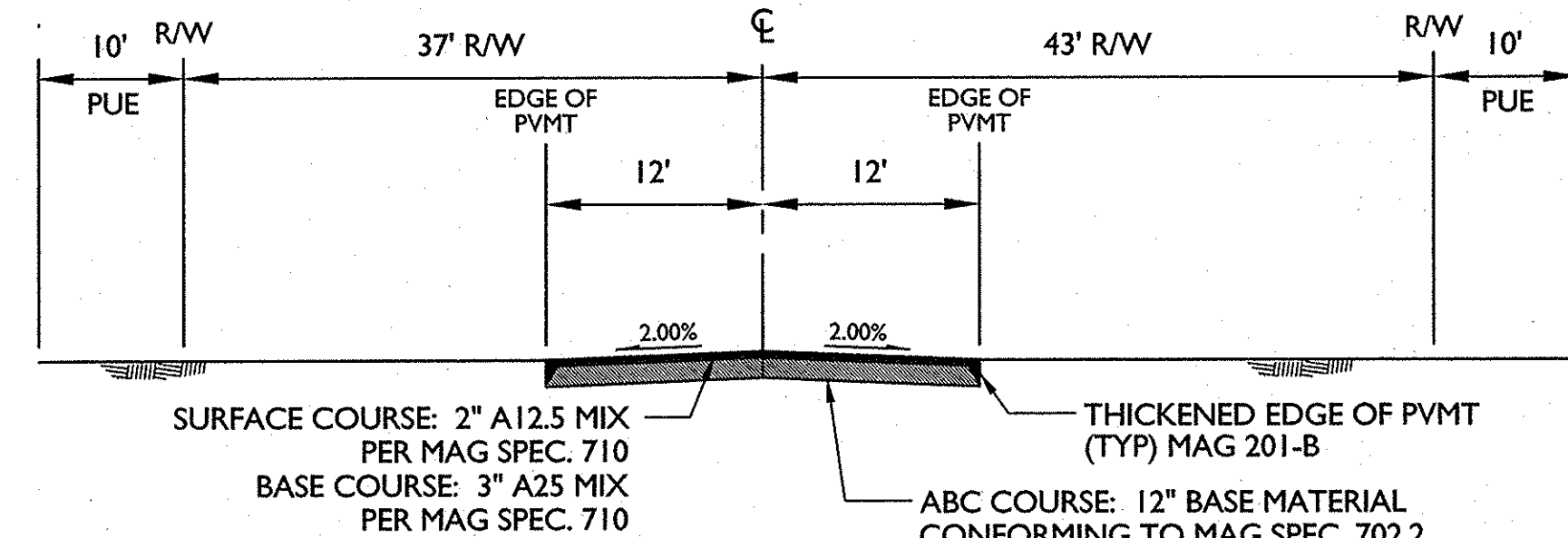
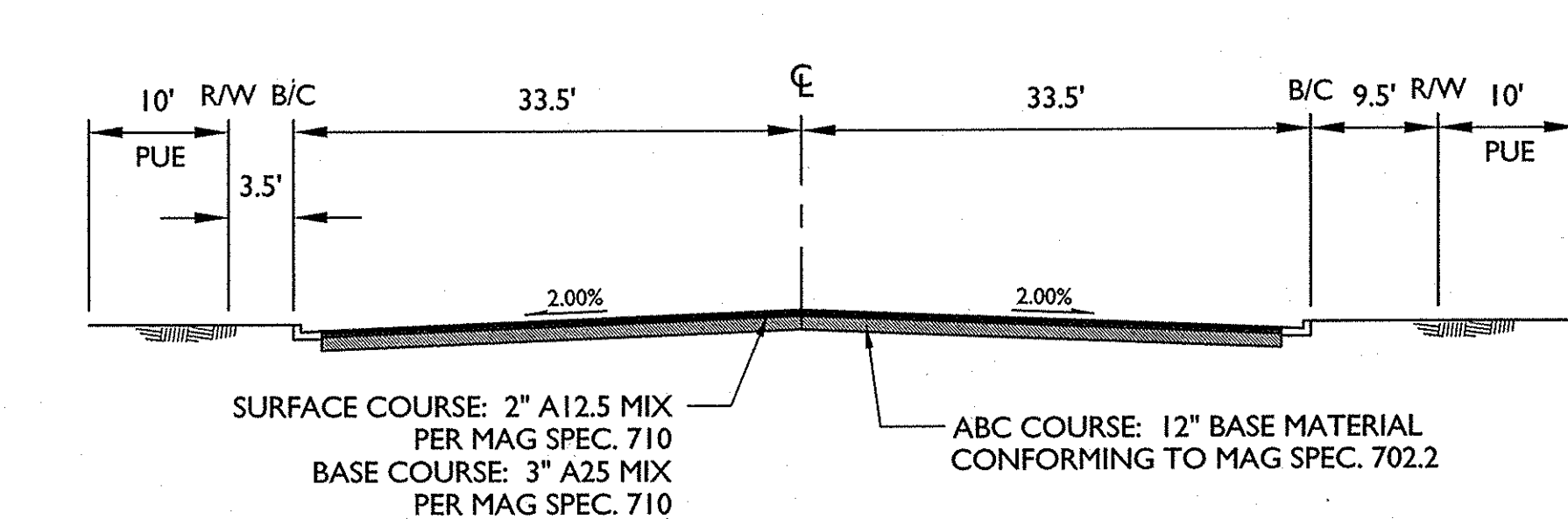
④ BOX CULVERT PROFILE
STA 71+09.99 N.T.S.

LOOKING WEST
SEE SHEET 12



① DATE STREET
START PROJECT -- STA 13+87.84

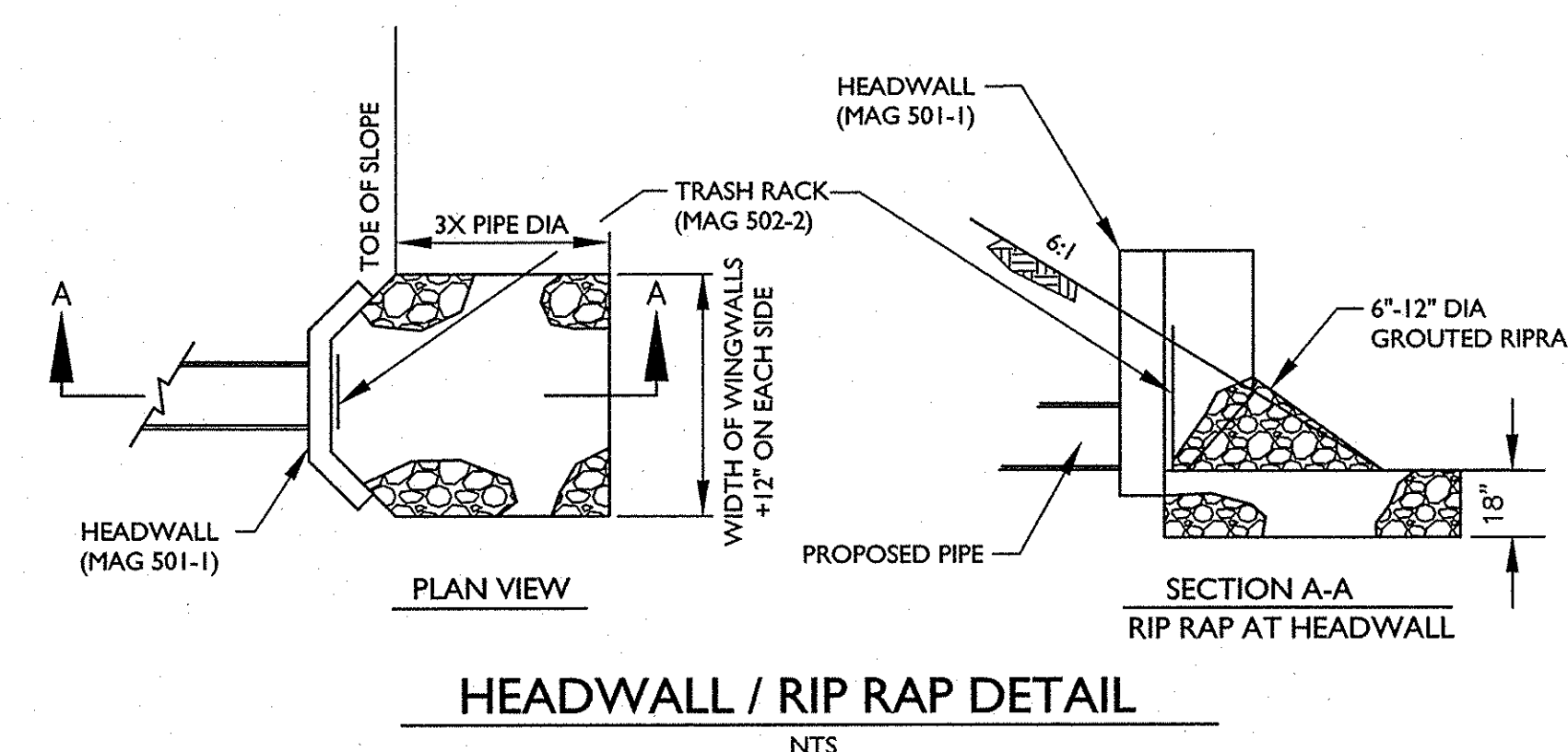
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NTS



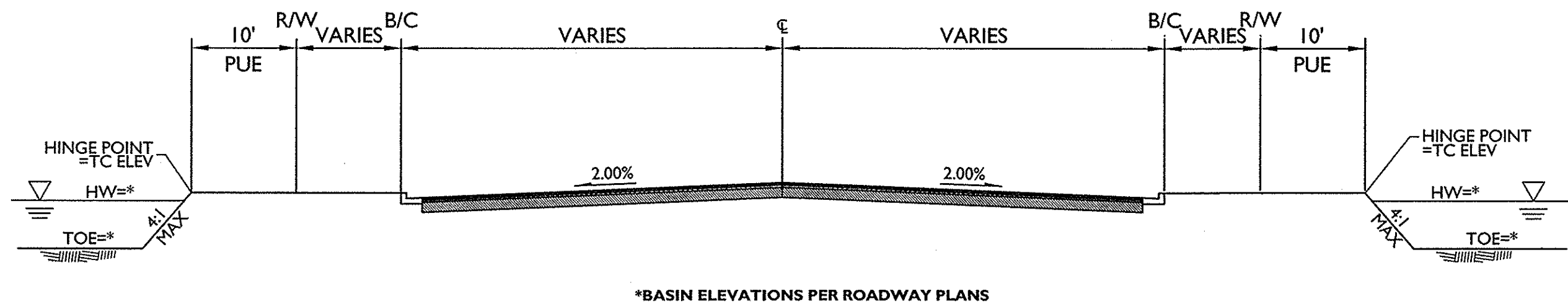
HEAVY DUTY ASPHALT @ ENTRY DRIVES
N.T.S.

ASPHALTIC CONCRETE PAVEMENT:

- 1) A PRESERVATIVE SEAL COAT CONFORMING TO MAG STANDARD SPECIFICATIONS 334, AND SHALL BE EMULSIFIED ASPHALT GRADE SS-1H PER MAG STANDARD SPECIFICATIONS, SEC. 713
- 2) ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO MAG STANDARDS SPECIFICATIONS SEC. 321 & 710

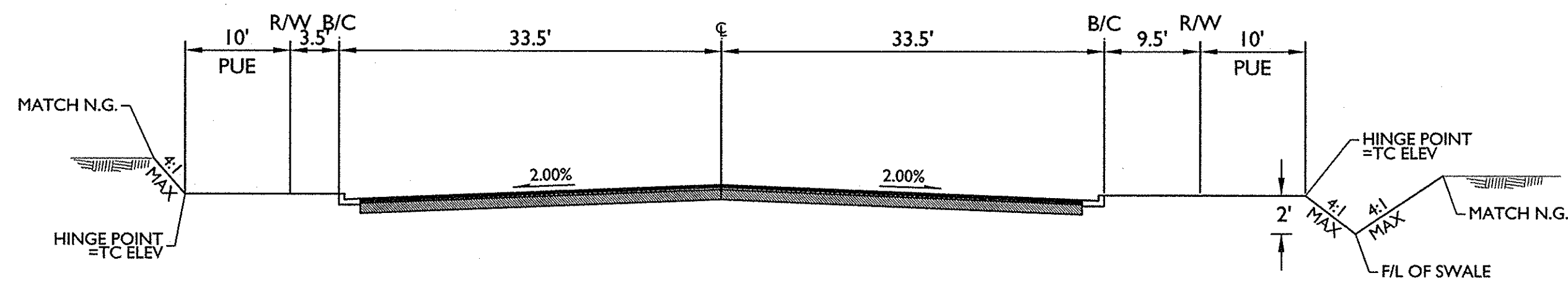


HEADWALL / RIP RAP DETAIL
NTS



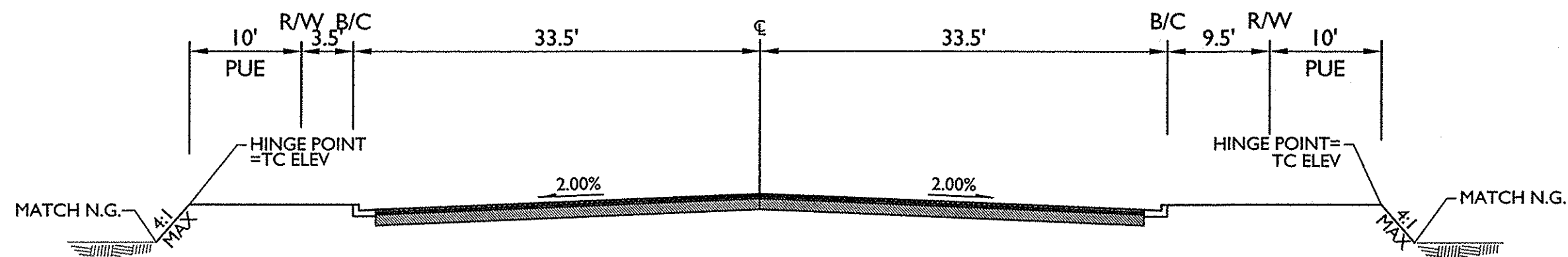
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LOOKING EAST
NTS



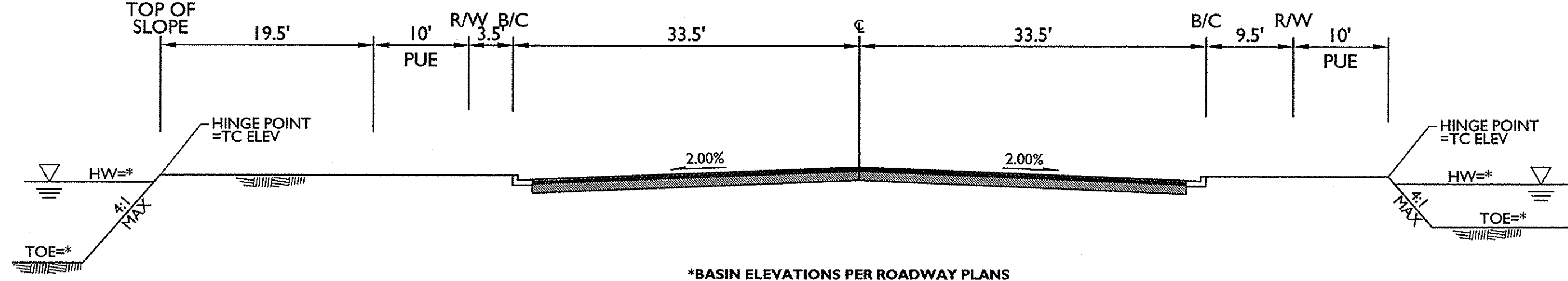
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LOOKING EAST
NTS



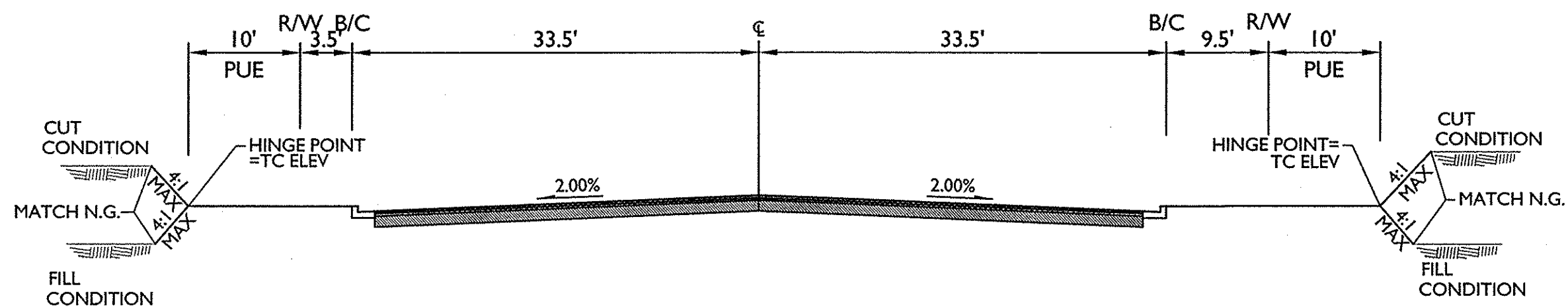
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LOOKING EAST
NTS



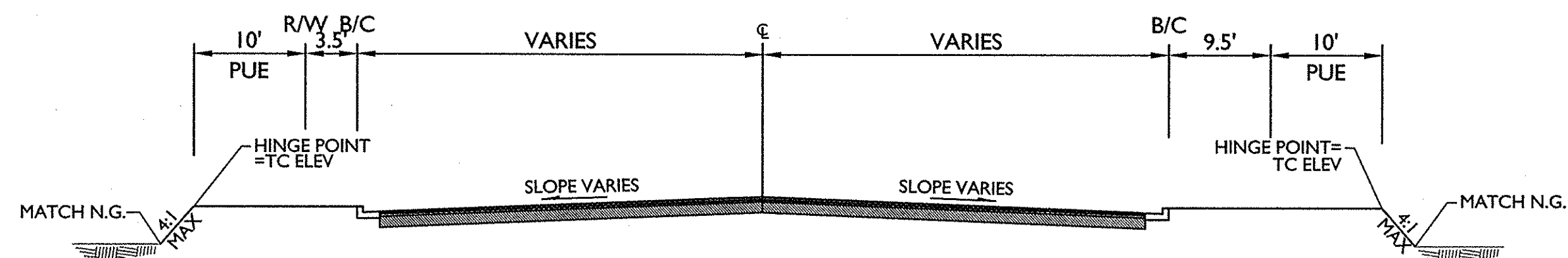
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LOOKING EAST
NTS



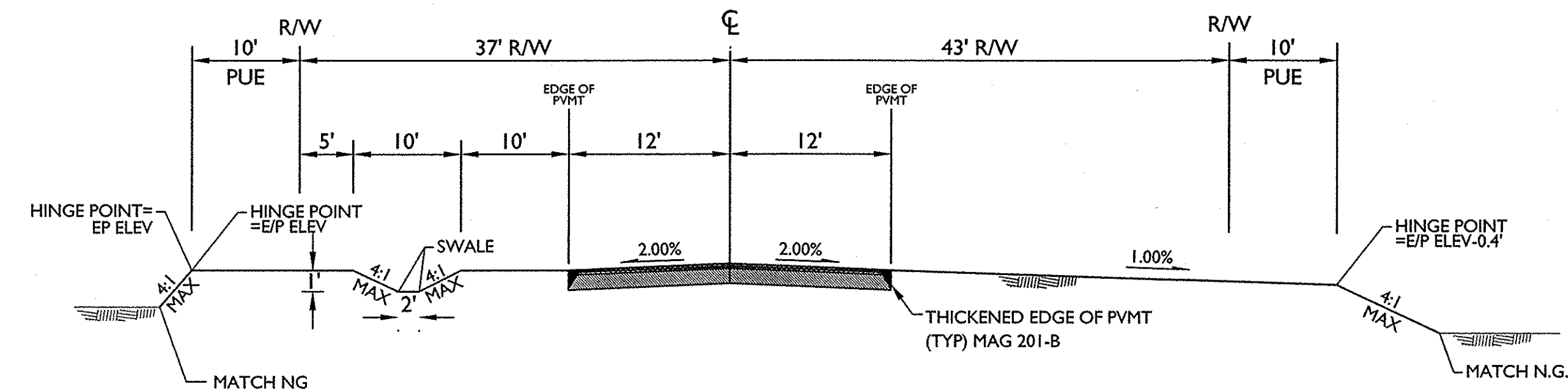
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LOOKING EAST
NTS



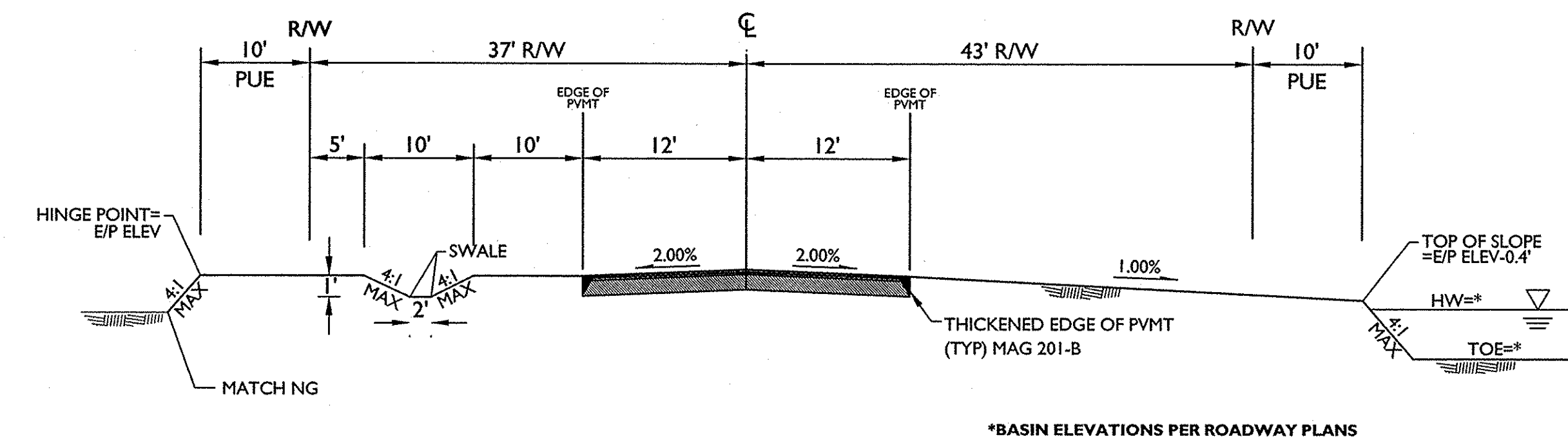
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LOOKING EAST
NTS



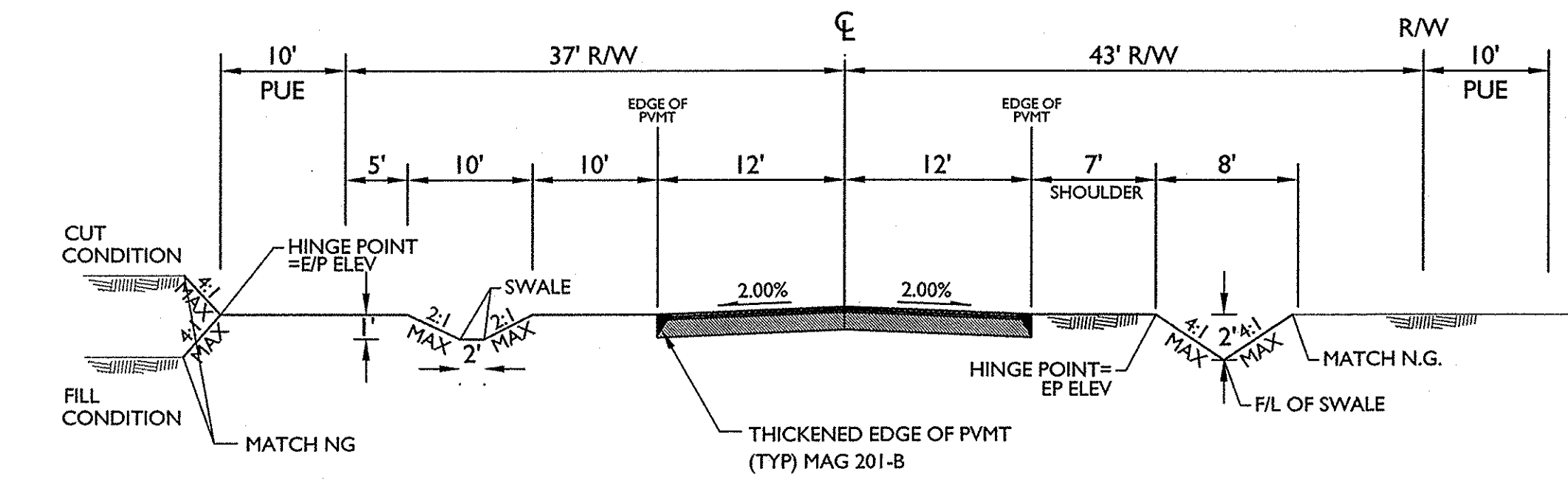
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LOOKING EAST
NTS



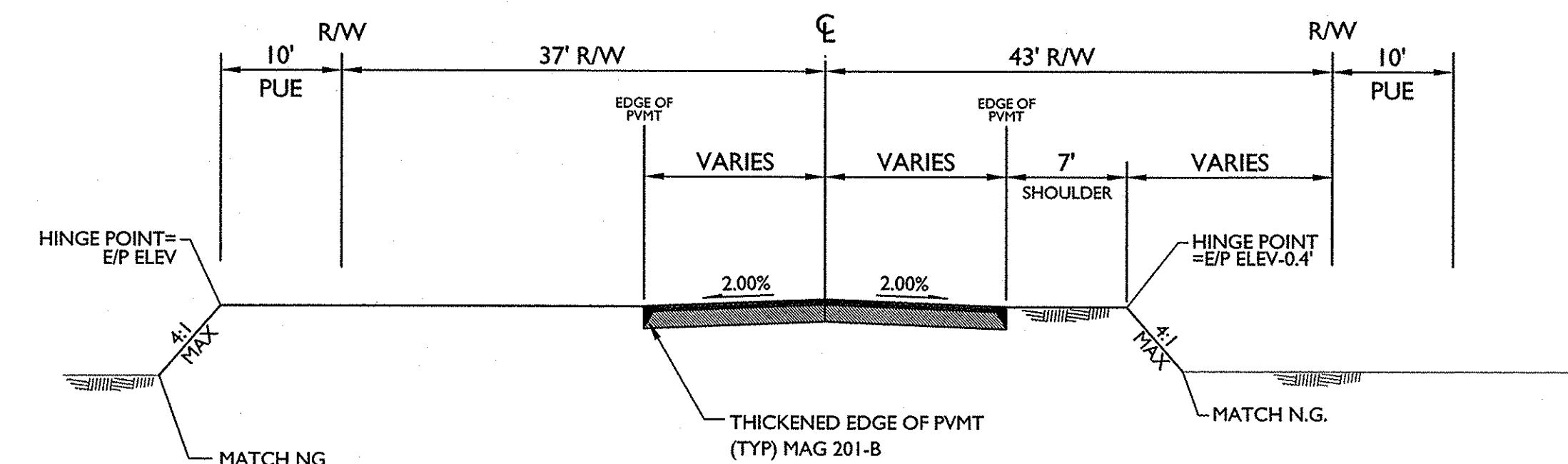
⑨ DATE STREET
STA 59+25.35 -- STA 63+40.55

LOOKING EAST
NTS



⑩ DATE STREET
STA 63+40.55 -- STA 68+96.10

LOOKING EAST
NTS



⑪ DATE STREET
STA 68+96.10 -- END OF DATE ST

LOOKING EAST
NTS

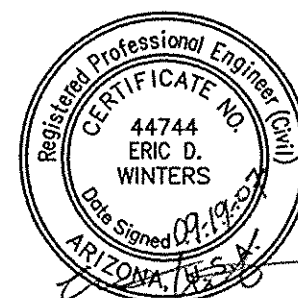
NEW WALLBOARD FACILITY
FOR
National Gypsum Company
ELOY, ARIZONA

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eps group, Inc.
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Mesa, Arizona 85210
Phone (480) 503-2250
Fax (480) 503-2258
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SEAL



REV	DATE	DRAWN	DESCRIPTION
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SHEET TITLE

DETAIL SHEET

DRAWN: MPZ	SHEET SIZE: 24x36
CHECKED: AMT	PLOT FACTOR: PAPER
APPROVED: EDW	DATE: 04-27-07
PROJECT: 07-013	SCALE: N.T.S.
CAD NAME: DT02	

DRAWING NUMBER
07-013-DT02 5 of 15

SEAL



REV	DATE	DRAWN	DESCRIPTION
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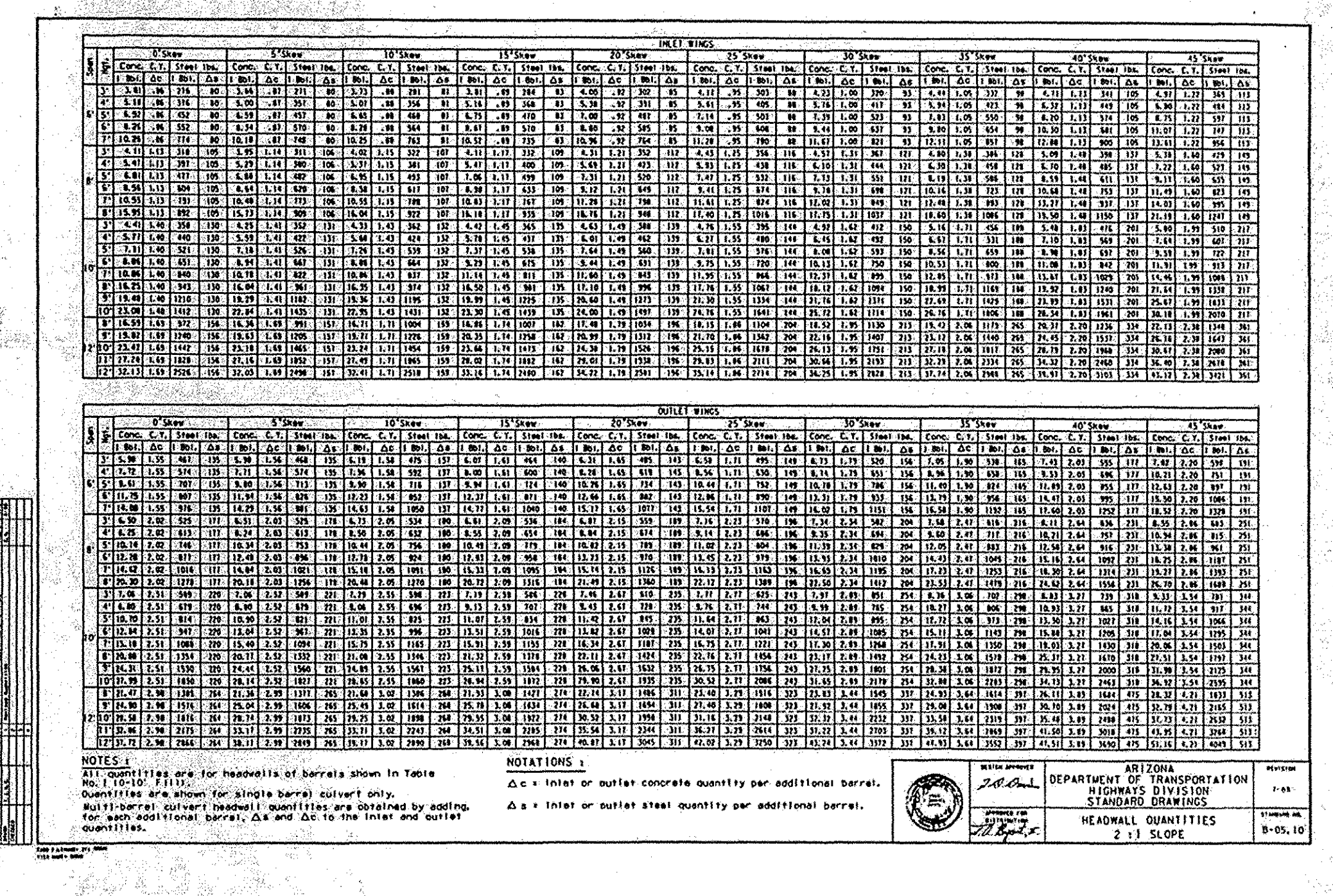
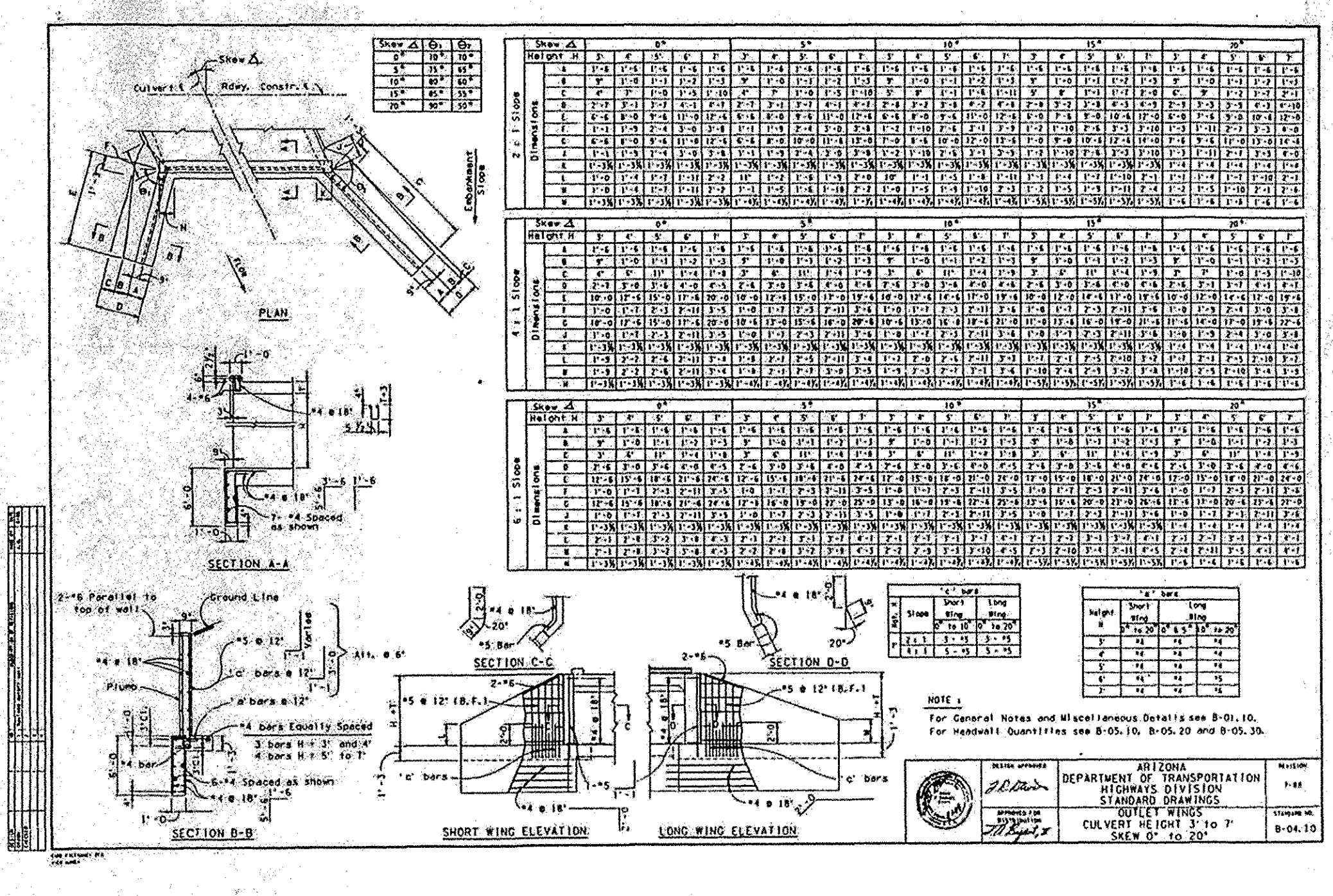
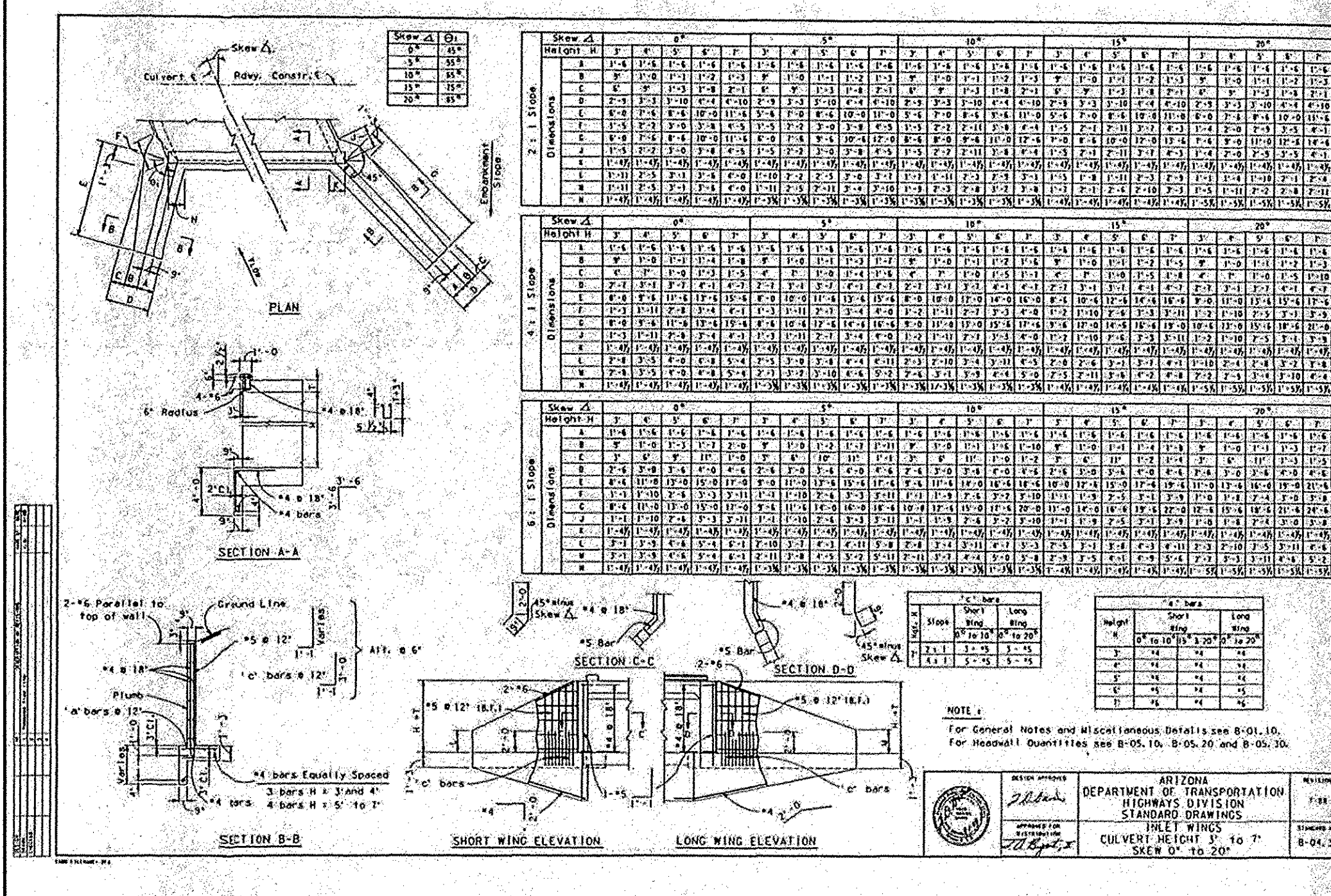
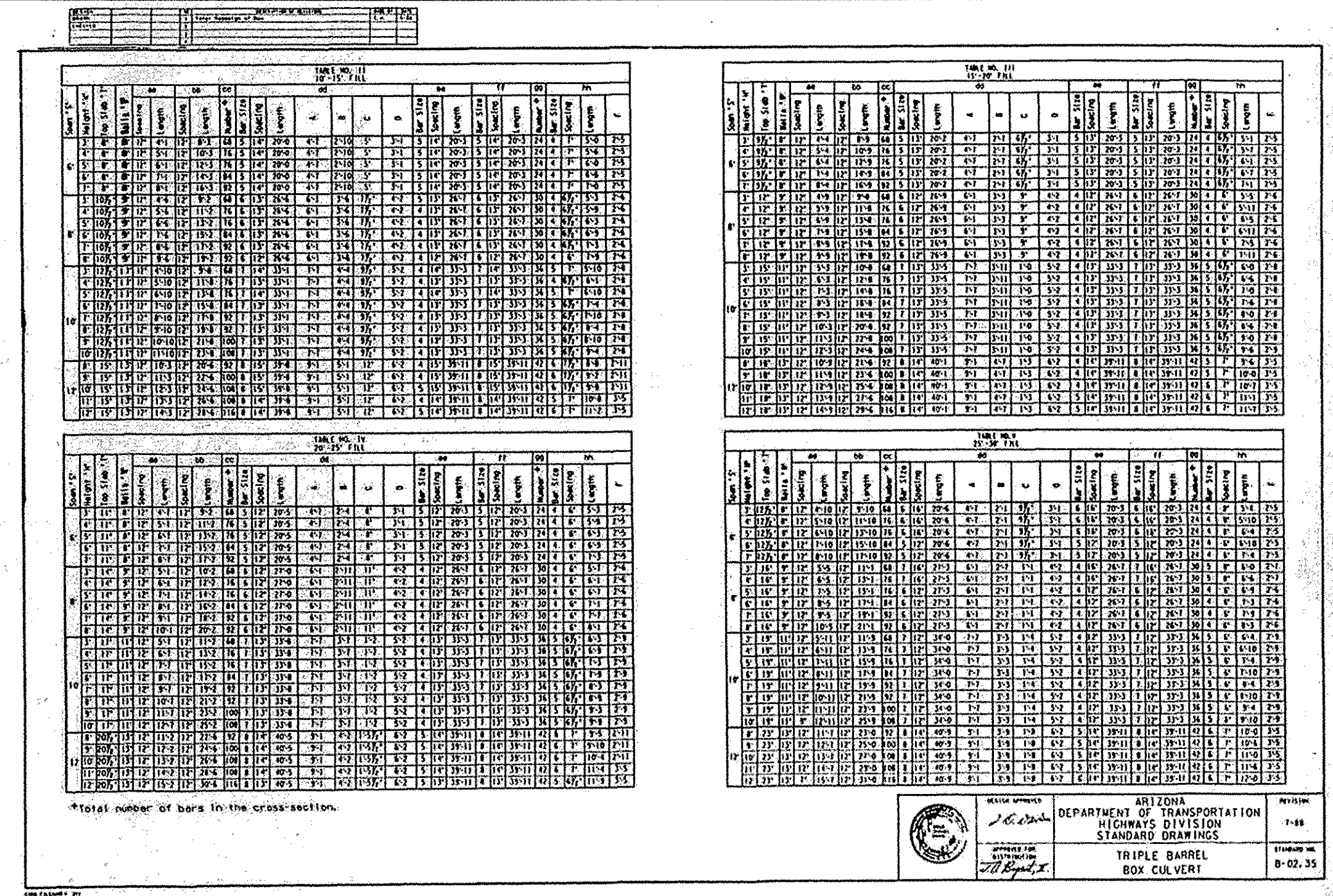
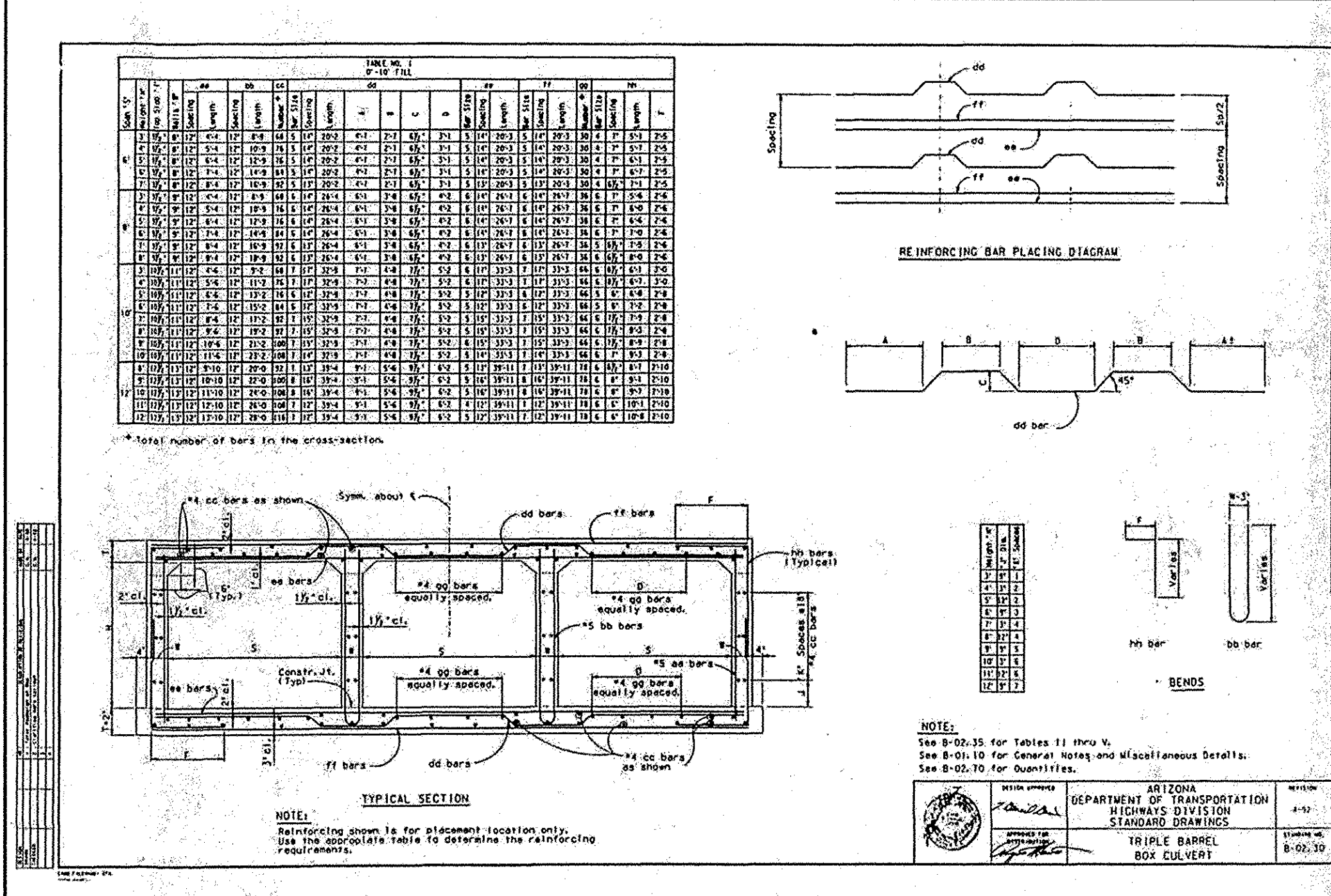
SHEET TITLE

DETAIL SHEET

DRAWN: MPZ	SHEET SIZE: 24x36
CHECKED: DMA	PLOT FACTOR: PAPER
APPROVED: EDW	DATE: 04-27-07
PROJECT: 07-013	SCALE: N.T.S.
CAD NAME: DT03	

DRAWING NUMBER

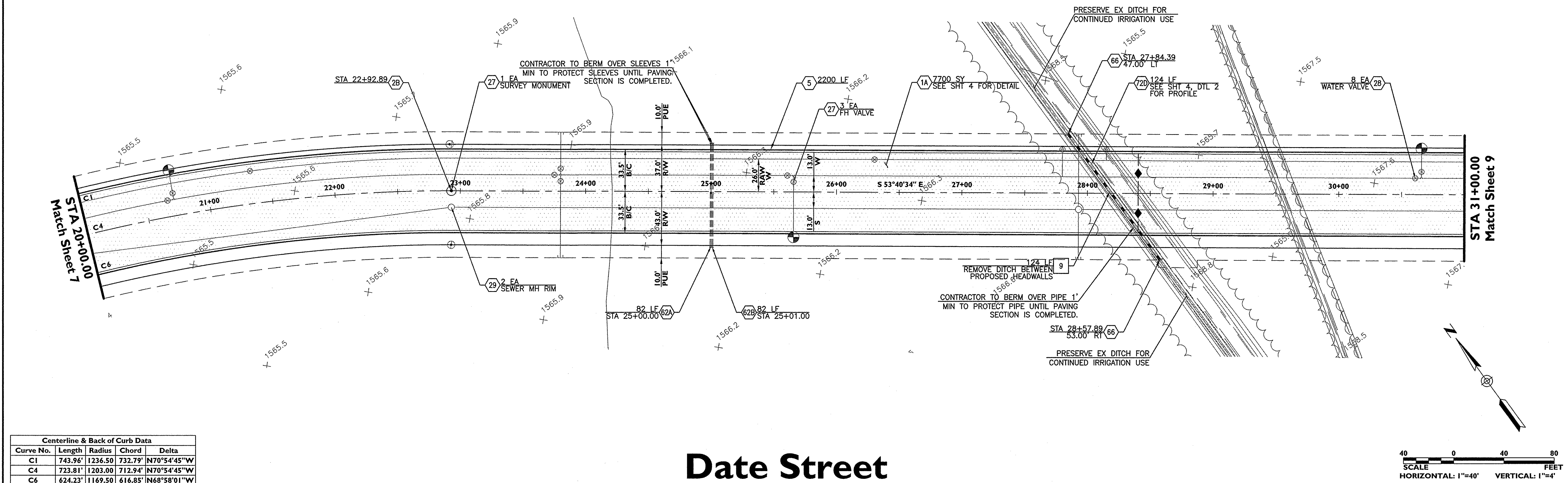
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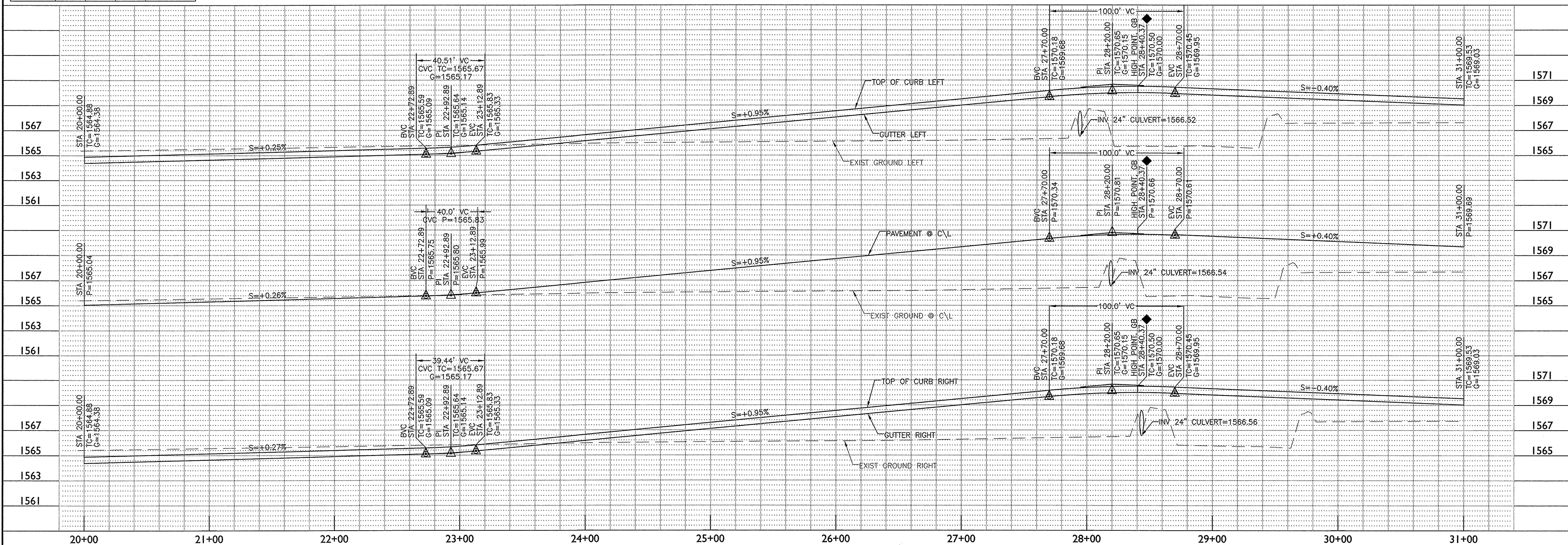
CONSTRUCTION NOTES					
1A	PAVEMENT:5" AC/ 12" ABC	7700 SY	62A	4" PVC SCH 40 CONDUIT FOR FUTURE UG UTILITY – BOTH INVERTS	82 LF
2B	SURVEY MONUMENT MAG 120-1 TYPE B	1 EA	SHALL BE 6.8' BELOW T/C OR E/P TO PROVIDE 1' MIN SEPARATION		
5	6" V.C.&G. MAG 220 TYPE A	2200 LF	FROM W/L.		
27	ADJUST FRAME & COVER MAG 270	4 EA	62B	6" PVC SCH 40 CONDUIT FOR FUTURE GAS LINE – BOTH INVERTS	82 LF
28	ADJUST FRAME & COVER MAG 391-1-C	8 EA	SHALL BE 3.2' BELOW T/C OR E/P TO PROVIDE 1' MIN SEPARATION		
29	ADJUST FRAME & COVER MAG 422	2 EA	FROM W/L.		

66	CONCRETE HEADWALL "STRAIGHT" TYPE (MAG 501-1)	2 EA
72D	24" RGRCP CL V STORM DRAIN	124 LF
9	REMOVE EXIST CONC DITCH (BACKFILL AND COMPACT TO	124 LF

NOTE:
CONTRACTOR TO GRADE BOTH SIDES OF DATE ST. AS
SHOWN ON CROSS SECTION DETAILS ON SHEET 5
AND 5 RETENTION BASINS WHERE SHOWN.
CONTRACTOR TO BUILD BERMS ALONG DATE ST. AS
DIRECTED BY FARMER SO IRRIGATION CAN CONTINUE
FOR FARMING ADJACENT FIELDS.



Centerline & Back of Curb Data				
Curve No.	Length	Radius	Chord	Delta
C1	743.96'	1236.50	732.79'	N70°54'45"W
C4	723.81'	1203.00	712.94'	N70°54'45"W
C6	624.23'	1169.50	616.85'	N68°58'01"W



NEW WALLBOARD FACILITY
FOR
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Professional Engineer Seal for Eric D. Winters, State of Arizona, License No. 44744. The seal is circular with the text "Registered Professional Engineer (P.E.)" around the top and "STATE OF ARIZONA" around the bottom. In the center, it says "CERTIFICATE NO. 44744", "ERIC D. WINTERS", and "Date signed 10/19/03". A signature is written across the bottom of the seal.

REV	DATE	DRAWN	DESCRIPTION
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SHEET TITLE

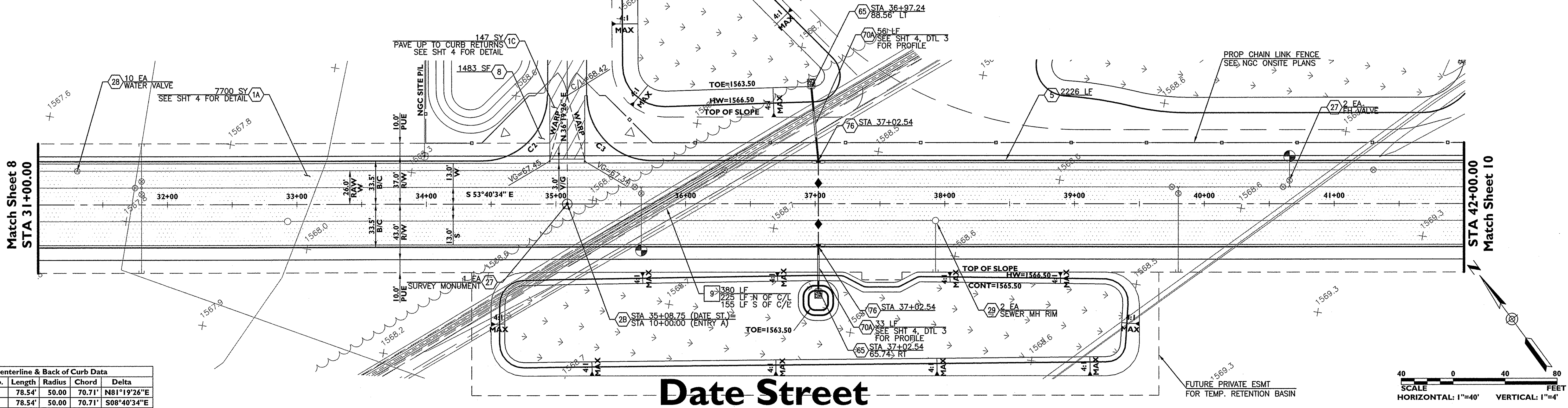
OFFSITE ROADWAY
PLANS

DRAWN: MPZ	
CHECKED: AMT	SHEET SIZE: 24x36
APPROVED: EDW	PLOT FACTOR: PAPER
PROJECT: 07-013	DATE: 04-27-07
CAD NAME: OS02	SCALE: 1"=40'

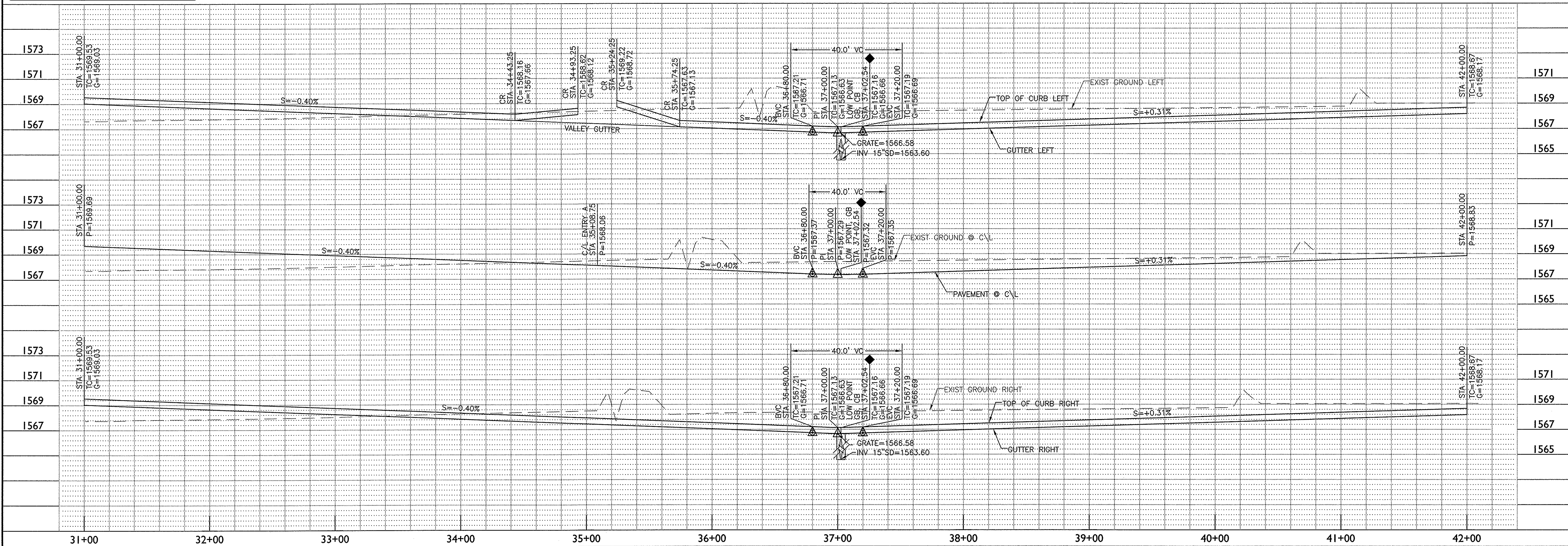
DRAWING NUMBER
07-013-0S02 8 of 15

CONSTRUCTION NOTES				
1A	PAVEMENT:5" AC/ 12" ABC	7700 SY	70A 15" RGRCR CL III STORM DRAIN	89 LF
1C	PAVEMENT:6.5" AC/ 10" ABC	147 SY	76 CATCH BASIN MAG 534 (SINGLE)	2 EA
2B	SURVEY MONUMENT MAG 120-1 TYPE B	1 EA	9 REMOVE EXIST CONC DITCH (BACKFILL AND COMPACT TO REQUIRED DENSITY)	380 LF
5	6" V.C.&G. MAG 220 TYPE A	2226 LF		
8	VALLEY GUTTER (AND APRON WHERE SHOWN) MAG 240	1483 SF		
27	ADJUST FRAME & COVER MAG 270	3 EA		
28	ADJUST FRAME & COVER MAG 391-1-C	10 EA		
29	ADJUST FRAME & COVER MAG 422	2 EA		
65	CONCRETE HEADWALL "U" TYPE W/ TRASHRACK (MAG 501-1, 502-2)	2 EA		
& GROUTED RIPRAP PER DETAIL SHEET 4				

NOTE:
CONTRACTOR TO GRADE BOTH SIDES OF DATE ST. AS
SHOWN ON CROSS SECTION DETAILS ON SHEET 5
AND 5 RETENTION BASINS WHERE SHOWN.
CONTRACTOR TO BUILD BERMS ALONG DATE ST. AS
DIRECTED BY FARMER SO IRRIGATION CAN CONTINUE
FOR FARMING ADJACENT FIELDS.



Centerline & Back of Curb Data				
Curve No.	Length	Radius	Chord	Delta
C2	78.54'	50.00	70.71'	N81°19'26"E
C3	78.54'	50.00	70.71'	S08°40'34"E



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SHEET TITLE

OFFSITE ROADWAY
PLANS

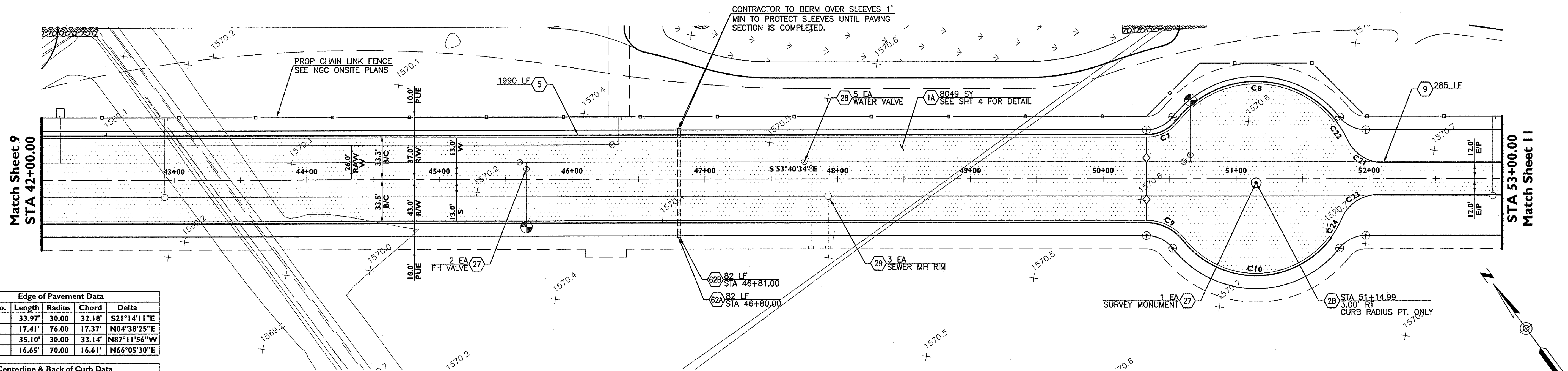
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CHECKED: AMT	SHEET SIZE: 24x36
APPROVED: EDW	PLOT FACTOR: PAPER
PROJECT: 07-013	DATE: 04-27-07
CAD NAME: OS03	SCALE: 1"=40'

DRAWING NUMBER
07-013-0S03 9 of 15

CONSTRUCTION NOTES					
1A	PAVEMENT:5" AC/ 12" ABC	8049 SY	28	ADJUST FRAME & COVER MAG 391-1-C	5 EA
2B	SURVEY MONUMENT MAG 120-1 TYPE B	1 EA	29	ADJUST FRAME & COVER MAG 422	3 EA
5	6" V.C.&G. MAG 220 TYPE A	1990 LF	62A	4" PVC SCH 40 CONDUIT FOR FUTURE UG UTILITY - BOTH INVERTS	82 LF
9	THICKENED EDGE OF PAVEMENT MAG 201-B	285 LF	SHALL BE 6.8' BELOW T/C OR E/P TO PROVIDE 1' MIN SEPARATION		
27	ADJUST FRAME & COVER MAG 270	3 EA	FROM W/L		

622	6" PVC SCH 40 CONDUIT FOR FUTURE GAS LINE - BOTH INVERTS	82 LF
	SHALL BE 3.2' BELOW T/C OR E/P TO PROVIDE 1' MIN SEPARATION	
	FROM W/L.	

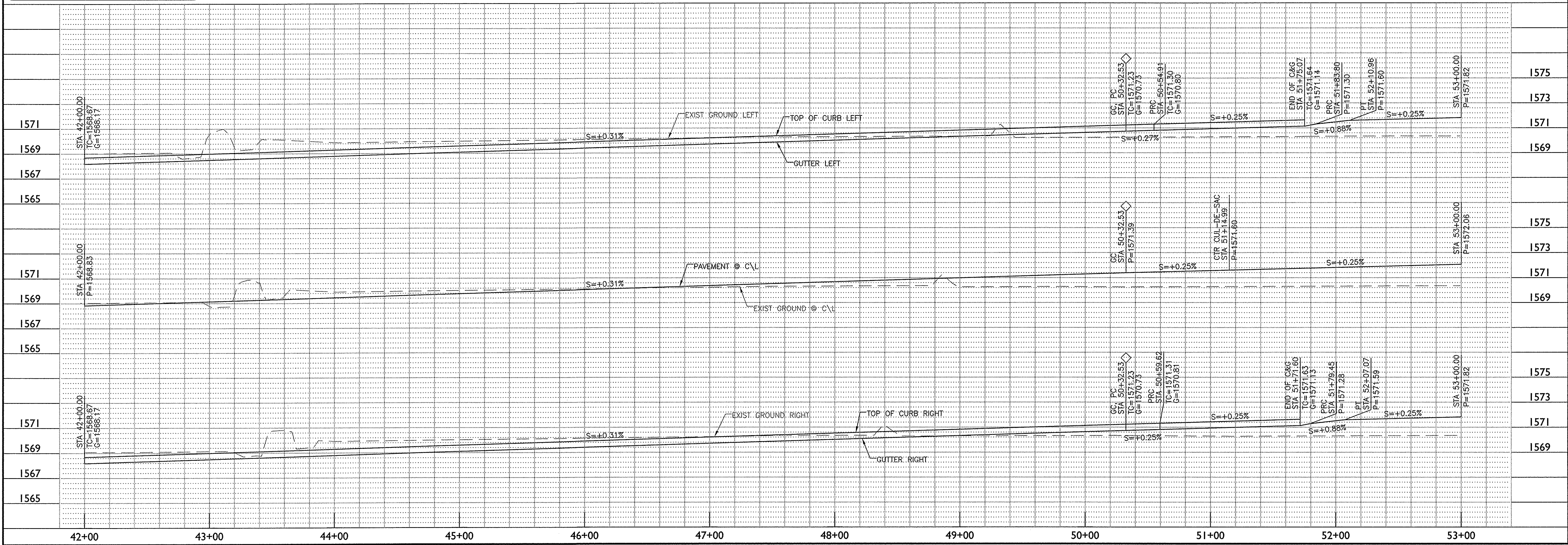
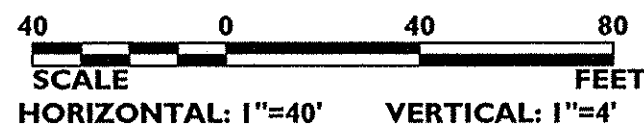
NOTE:
CONTRACTOR TO GRADE BOTH SIDES OF DATE ST. AS SHOWN ON CROSS SECTION DETAILS ON SHEET 5 AND 5 RETENTION BASINS WHERE SHOWN.
CONTRACTOR TO BUILD BERMS ALONG DATE ST. AS DIRECTED BY FARMER SO IRRIGATION CAN CONTINUE FOR FARMING ADJACENT FIELDS.



Edge of Pavement Data				
Curve No.	Length	Radius	Chord	Delta
C21	33.97'	30.00	32.18'	S21°14'11"E
C22	17.41'	76.00	17.37'	N04°38'25"E
C23	35.10'	30.00	33.14'	N87°11'56"W
C24	16.65'	70.00	16.61'	N66°05'30"E

Curve No.	Length	Radius	Chord	Delta
C7	25.74'	28.50	24.88'	S79°33'10"E
C8	138.20'	76.50	120.16'	N53°40'34"W
C9	31.16'	34.50	30.11'	N27°47'58"W
C10	129.41'	70.50	111.99'	S54°30'32"E

Date Street



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SEAI



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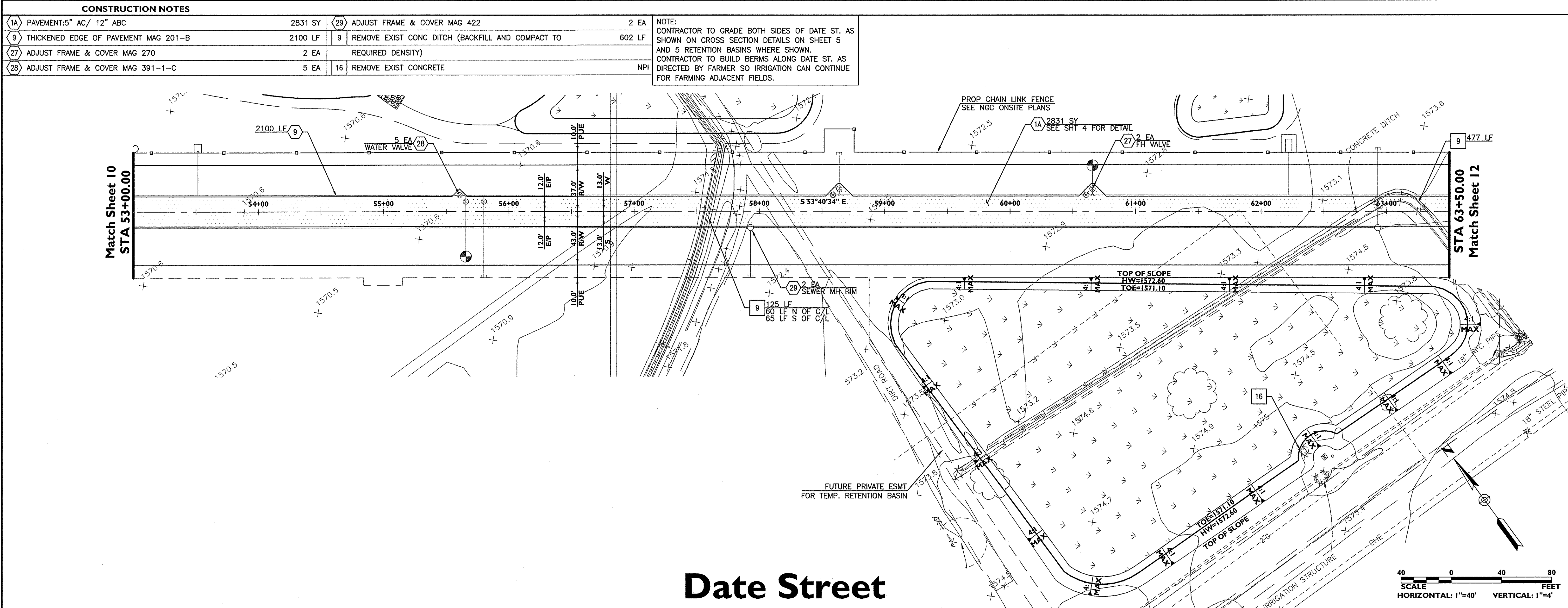
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SHEET TITLE

OFFSITE ROADWAY
PLANS

DRAWN: MPZ	
CHECKED: AMT	SHEET SIZE: 24x36
APPROVED: EDW	PLOT FACTOR: PAPER
PROJECT: 07-013	DATE: 04-27-07
CAD NAME: OS04	SCALE: 1"=40'

DRAWING NUMBER
07-013-0S04 10 of 15



SEE SHEET 15 FOR SIGNING AND STRIPING LEGENDS.

Sunshine Blvd.



R1-1-30

PROPOSED E/P

10+00

R=500'

11+00

12+00

13+00

14+00

15+00

16+00

17+00

18+00

19+00

20+00

21+00

22+00

23+00

24+00

25+00

26+00

27+00

28+00

29+00

30+00

31+00

32+00

33+00

34+00

35+00

36+00

37+00

38+00

39+00

40+00

41+00

42+00

43+00

44+00

45+00

46+00

47+00

48+00

49+00

50+00

51+00

52+00

53+00

54+00

55+00

56+00

57+00

58+00

59+00

60+00

61+00

62+00

63+00

64+00

65+00

18SW

12SW

R8-3A

STA 11+50.00

43.00' LT

8SW

STA 12+92.48

END HOLDING BAR

28' TYP

R8-3A

STA 13+50.00

43.00' LT

R8-3A

STA 14+50.00

41.00' LT

STA 15+37.94

STRIPING TAPER LT

6DTW

STA 16+10.25

END STRIPING TAPER LT

W4-7(R)

STA 16+50.00

36.00' LT

PROPOSED C&G

4SBY40

4BW40

STA 20+00.00

Match Below Left

4BW40

4SBY40

4BW40

4SBY40

4BW40

4SBY40

4BW40

4SBY40

4BW40

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4SBY40

4BW40

4SBY40

4BW40

4SBY40

18SW

12SW

R8-3A

STA 11+50.00

43.00' LT

8SW

STA 12+92.48

END HOLDING BAR

28' TYP

R8-3A

STA 13+50.00

43.00' LT

R8-3A

STA 14+50.00

41.00' LT

STA 15+37.94

STRIPING TAPER LT

6DTW

STA 16+10.25

END STRIPING TAPER LT

W4-7(R)

STA 16+50.00

36.00' LT

PROPOSED C&G

4SBY40

4BW40

STA 20+00.00

Match Below Left

4BW40

4SBY40

4BW40

4SBY40

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4SBY40

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Match Below Left

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4SBY40

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R8-3A

STA 11+50.00

43.00' LT

8SW

STA 12+92.48

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R8-3A

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43.00' LT

R8-3A

STA 14+50.00

41.00' LT

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STRIPING TAPER LT

6DTW

STA 16+10.25

END STRIPING TAPER LT

W4-7(R)

STA 16+50.00

36.00' LT

PROPOSED C&G

4SBY40

4BW40

STA 20+00.00

Match Below Left

4BW40

4SBY40

4BW40

4SBY40

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STA 13+50.00

43.00' LT

R8-3A

STA 14+50.00

41.00' LT

STA 15+37.94

STRIPING TAPER LT

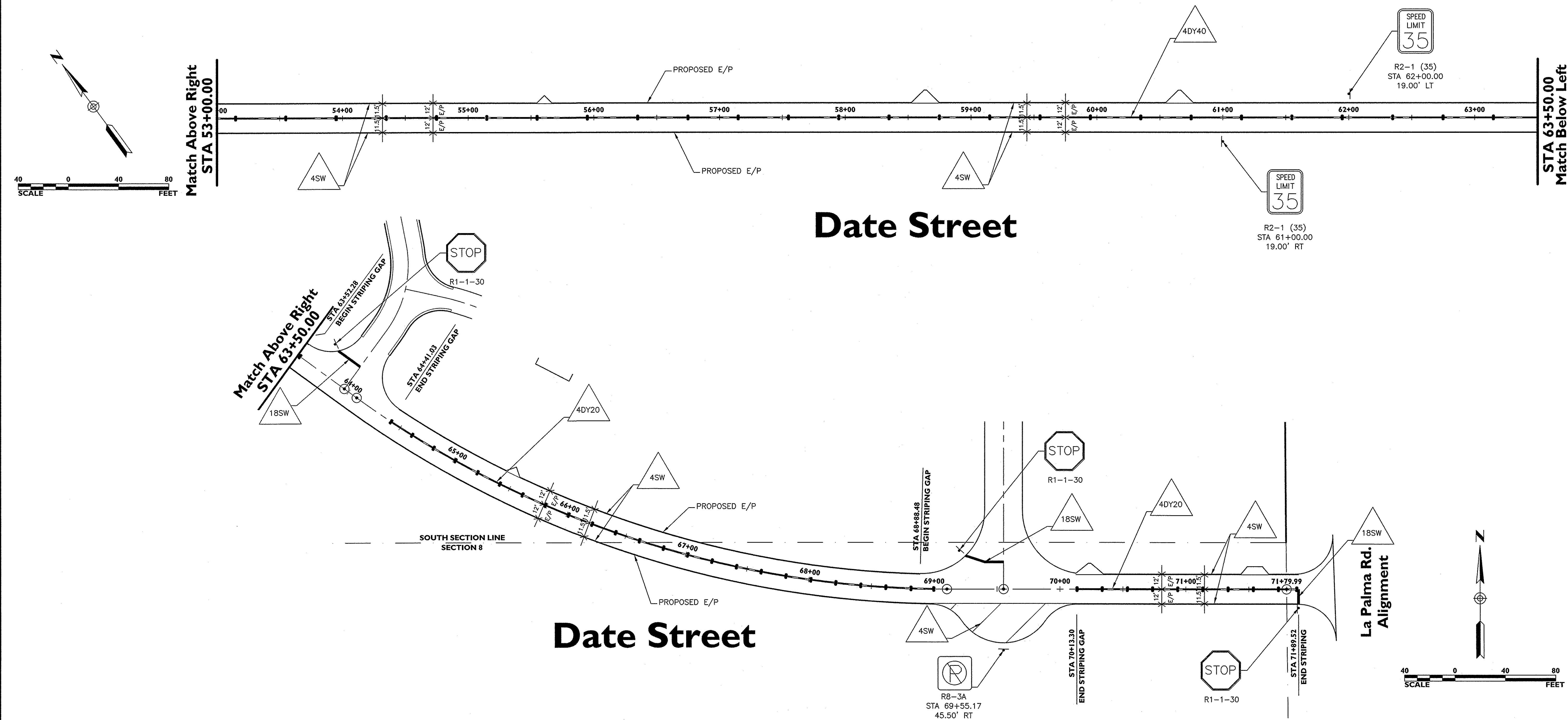
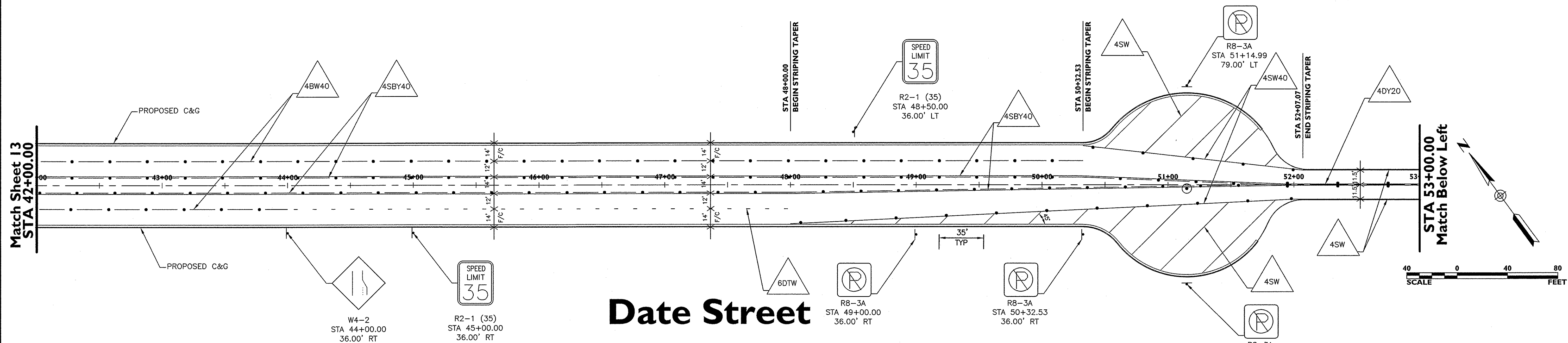
6DTW

STA 16+10.25

END STRIPING TAPER LT

W4-7(R)

SEE SHEET 15 FOR SIGNING AND STRIPING LEGENDS.



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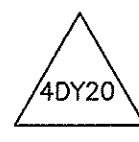
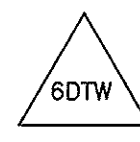
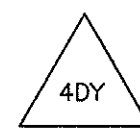
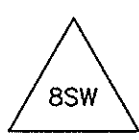
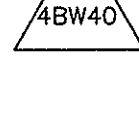
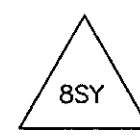
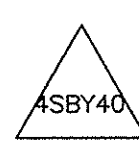
SHEET TITLE

SIGNING &
STRIPING PLANS

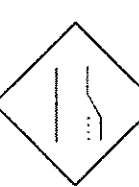
DRAWN: MPZ	
CHECKED: DMA	SHEET SIZE: 24x36
APPROVED: EDW	PLOT FACTOR: PAPER
PROJECT: 07-013	DATE: 04-27-07
CAD NAME: SS02	SCALE: N.T.S.

DRAWING NUMBER
07-013-SS02 14 of 15

STRIPING LEGEND

	18" SOLID WHITE LINE		4" SOLID DOUBLE YELLOW LINE WITH TYPE "D" RPM'S @ 20' SPACING (BROKEN)		6" DASHED WHITE LINE WITH A 3' LINE SEGMENT AND A 12' GAP
	12" SOLID WHITE LINE		4" BROKEN WHITE LINE WITH A 15' LINE SEGMENT AND A 25' GAP WITH TYPE "G" RPM'S @ 40' SPACING (BROKEN)		4" DOUBLE YELLOW LINE
	8" SOLID WHITE LINE		4" DOUBLE YELLOW LINE ONE SOLID, ONE BROKEN WITH A 15' LINE SEGMENT AND A 25' GAP WITH TYPE "D" RPM'S @ 40' SPACING (BROKEN)		8" SOLID YELLOW LINE
	4" SOLID WHITE LINE WITH TYPE "G" RPM'S @ 40' SPACING				REFLECTIVE PAVEMENT MARKER (RPM)
	4" SOLID WHITE LINE				

SIGNING LEGEND

	SPEED LIMIT 35 SIGN R2-1(35)		THRU TRAFFIC MERGE RIGHT W4-7(R)		NO PARKING SIGN R8-3A
	LANE ENDS W4-2		STOP SIGN R1-1		

SIGN SUMMARY TABLE

SIGN	QUANTITY
SPEED LIMIT 35 SIGN R2-1(35)	7
LANE ENDS SIGN W4-2	1
THRU TRAFFIC MERGE RIGHT SIGN W4-7(R)	1
STOP SIGN R1-1	6
NO PARKING SIGN R8-3A	9

STRIPING AND PAVEMENT MARKING NOTES

- ALL PAVEMENT MARKINGS, SIGNING AND CONSTRUCTION SHALL CONFORM TO ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS AND SPECIFICATIONS UNLESS OTHERWISE SPECIFIED IN THE "MANUAL ON UNIFORM CONTROL DEVICES," LATEST EDITION.
- SIGNS SHALL BE INSTALLED ON SIGN POSTS PER M.A.G. STD. DETAIL 131-C.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PERMANENT PAVEMENT MARKINGS ON FINAL SURFACE COURSE, USING A STRING LINE, FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 10 FEET APART ALONG LINES TO BE STRIPED.
- ALL STRIPING INCLUDING CROSSWALKS, STOP BARS, ARROWS, AND LEGENDS SHALL BE THERMOPLASTIC PAINT PER ADOT STANDARD DETAILS.
- THE DIMENSIONS SHOWN TO PAVEMENT STRIPES ARE TO THE CENTER OF THE STRIPE OR, IN THE CASE OF A DOUBLE STRIPE, TO THE CENTER OF THE DOUBLE STRIPE.
- ALL PERMANENT PAVEMENT LINES PARALLEL TO THE FLOW OF TRAFFIC SHALL BE INSTALLED AT A MINIMUM THICKNESS OF 15 MILS AND SHALL BE PLACED IN ACCORDANCE WITH ARIZONA DEPARTMENT OF TRANSPORTATION SECTION 708 - PERMANENT PAVEMENT MARKINGS.
- ALL STRIPING SHALL BE A MINIMUM WIDTH OF 4 INCHES EXCEPT WHERE NOTED ON PROJECT PLANS.
- THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY AND NOT TO SCALE. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS, AND STANDARDS WHEN INSTALLING PAVEMENT STRIPES, MARKING AND MARKERS.
- THE CONTRACTOR SHALL REFER ANY QUESTIONS CONCERNING TRAFFIC MARKINGS TO THE CITY OF ELOY CITY ENGINEER. AN INSPECTION OF THE LAYOUT IN THE FIELD BY THE CITY ENGINEERING INSPECTION PERSONNEL WILL BE REQUIRED PRIOR TO ANY PERMANENT STRIPING APPLICATIONS. THE CONTRACTOR SHALL NOTIFY THE CITY THAT THE ROAD IS READY FOR INSPECTION AFTER THE LAYOUT AND SPOTTING OF THE ENTIRE PROJECT IS COMPLETE.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PER ADOT STANDARD DETAIL NO. 4-M-2.02 AND 4-M-2.03.1. THEY SHALL BE NON-ADHESIVE WITH AN ABRASIVE RESISTANT SURFACE. THEY SHALL BE SECURED TO THE PAVEMENT WITH A HOT, FLEXIBLE MARKER ADHESIVE.
- ALL RAISED PAVEMENT MARKERS SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
- WHERE RAISED PAVEMENT MARKERS ARE PLACED ALONG SOLID STRIPING, THE NEAREST EDGE OF EACH MARKER SHALL BE OFFSET NO LESS THAN 4 INCHES AND NO MORE THAN 6 INCHES FROM THE NEAREST EDGE OF THE STRIPING.
- TURN LANE ARROWS AND LEGENDS SHALL BE INSTALLED PER ADOT STANDARD DETAIL NO. 4-M-1.16. CROSSWALKS AND STOP BARS SHALL BE INSTALLED PER ADOT STANDARD DETAIL NO. 4-M-1.01.
- SHOULD FIELD CONDITIONS CHANGE DUE TO CONSTRUCTION ON ADJACENT PIECES OF ROADWAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY TRAFFIC ENGINEER AND FOR SUBMITTING AN UPDATED STRIPING PLAN TWENTY-ONE DAYS PRIOR TO PAVING.

CITY OF ELOY - SIGNING SUMMARY TABLE - DATE STREET

CITY OF ELOY - SIGNING SUMMARY TABLE - DATE STREET																				
LOCATION STATION	WORK CODE	WORK						OFFSET FROM CL		PANEL					GROUND MOUNTED				ABBREVIATIONS	
		DIRECTION OF SIGN	NEW	EXISTING SIGN						LEGEND	WIDTH (IN)	HEIGHT (IN)	MIN SHEETING TYPE	PANEL TYPE	POST			MOUNTING HEIGHT (FT)	E	ENGINEERING GRADE SHEETING
				RELOCATE	REPLACE	PROTECT IN PLACE	REMOVE AND SALVAGE								NUMBER OF POSTS	POST (FT)	FOUNDATION (EA)		H	HIGH INTENSITY SHEETING
								D	DIAMOND GRADE SHEETING											
																	RWM	REGULATORY, WARNING OR MARKER		
																		F-DA	FLAT SHEET ALUMINUM W. DIRECT APPLIED OR SILK SCREENED CHARACTERS	
																		F-DEM	FLAT SHEET ALUMINUM W/ DEMOUNTABLE CHARACTERS	
REMARKS																				
10+67.26	R1-1	E	x					45.5		STOP SIGN	36	36	D	R	1	9.5	1	5		
10+67.26	R1-1	E	x						6.0	STOP SIGN	36	36	D	R	—	—	—	7	SIGN MOUNTED ON CRASH BARREL	
11+50.00	R8-3A	E	x					43.0		NO PARKING	24	24	H	R	1	8.5	1	5		
12+50.00	R8-3A	E	x					43.0		NO PARKING	24	24	H	R	1	8.5	1	5		
13+00.00	R2-1	W	x						43.0	SPEED LIMIT	24	30	H	R	1	9.0	1	5		
13+50.00	R8-3A	E	x					43.0		NO PARKING	24	24	H	R	1	8.5	1	5		
14+50.00	R8-3A	E	x					41.0		NO PARKING	24	24	H	R	1	8.5	1	5		
16+50.00	W4-7R	E	x					36.0		THRU TRAFFIC MERGE RIGHT	36	36	H	W	1	9.5	1	5		
29+00.00	R2-1	W	x						36.0	SPEED LIMIT	24	30	H	R	1	9.0	1	5		
32+50.00	R2-1	E	x					36.0		SPEED LIMIT	24	30	H	R	1	9.0	1	5		
34+74.10	R1-1	E	x					53.0		STOP SIGN	30	30	D	R	1	9.0	1	5		
44+00.00	W4-2	W	x						36.0	LANE ENDS	36	36	H	W	1	9.5	1	5		
45+00.00	R2-1	W	x						36.0'	SPEED LIMIT	24	30	H	R	1	9.0	1	5		
48+50.00	R2-1	E	x					36.0		SPEED LIMIT	24	30	H	R	1	9.0	1	5		
49+00.00	R8-3A	W	x						36.0	NO PARKING	24	24	H	R	1	8.5	1	5		
50+32.53	R8-3A	W	x						36.0	NO PARKING	24	24	H	R	1	8.5	1	5		
51+14.99	R8-3A	N	x						73.0	NO PARKING	24	24	H	R	1	8.5	1	5		
51+14.99	R8-3A	S	x					79.0		NO PARKING	24	24	H	R	1	8.5	1	5		
61+00.00	R2-1	W	x						19.0	SPEED LIMIT	24	30	H	R	1	9.0	1	5		
62+00.00	R2-1	E	x						19.0	SPEED LIMIT	24	30	H	R	1	9.0	1	5		
63+69.00	R1-1	N	x					24.0		STOP SIGN	30	30	D	R	1	9.0	1	5		
69+19.90	R1-1	N	x					30.5		STOP SIGN	30	30	D	R	1	9.0	1	5		
69+55.17	R8-3A	N	x						45.5	NO PARKING	24	24	H	R	1	8.5	1	5		
71+89.52	R1-1	W	x						15.5	STOP SIGN	36	36	D	R	1	9.5	1	5		

NEW WALLBOARD FACILITY
FOR

National
Gypsum
COMPANY

ELOY, ARIZONA

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SEAL



REV	DATE	DRAWN	DESCRIPTION
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SHEET TITLE
**SIGNING &
STRIPING PLANS**

DRAWN: MPZ	
CHECKED: DMA	SHEET SIZE: 24x36
APPROVED: EDW	PLOT FACTOR: PAPER
PROJECT: 07-013	DATE: 04-27-07
CAD NAME: SS03	SCALE: N.T.S.

DRAWING NUMBER
07-013-SS03 15 of 15