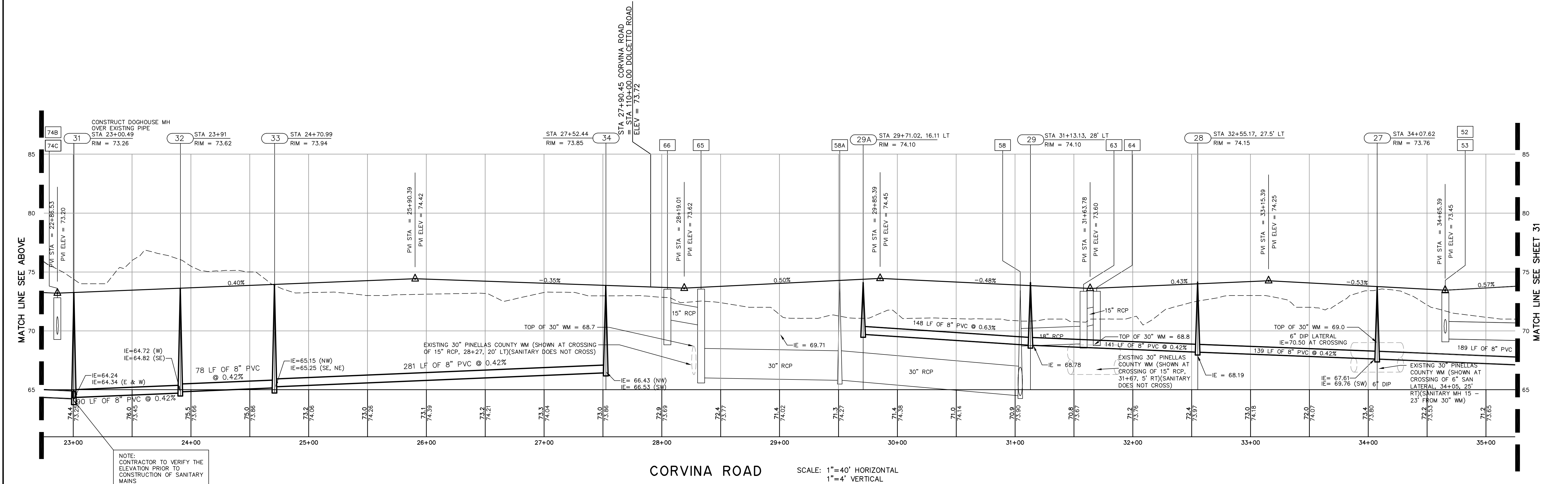
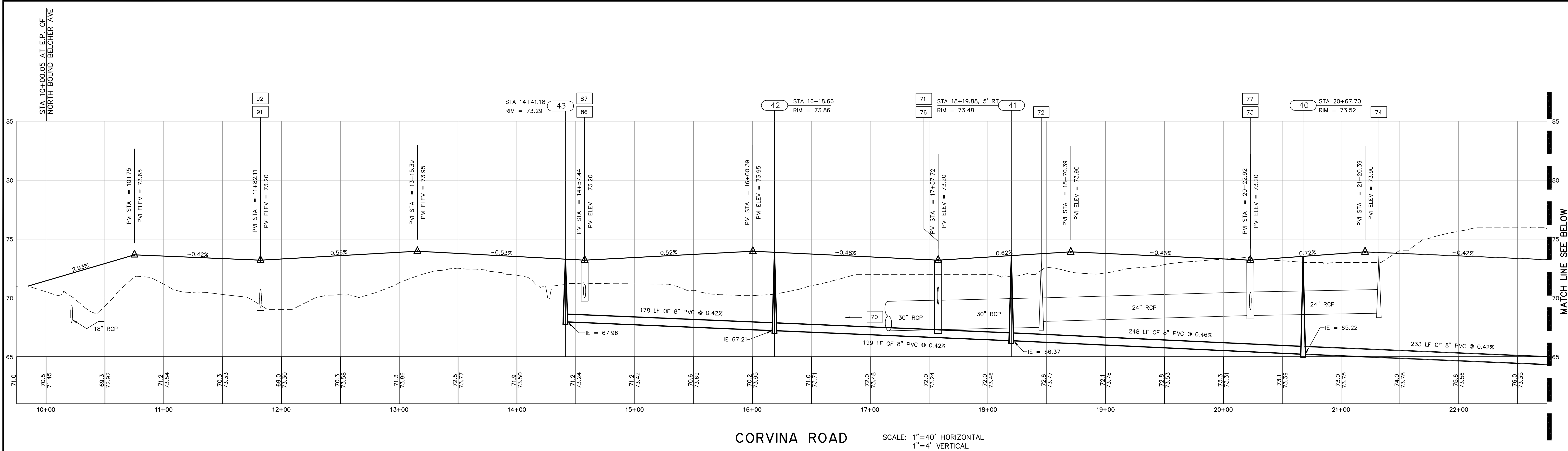
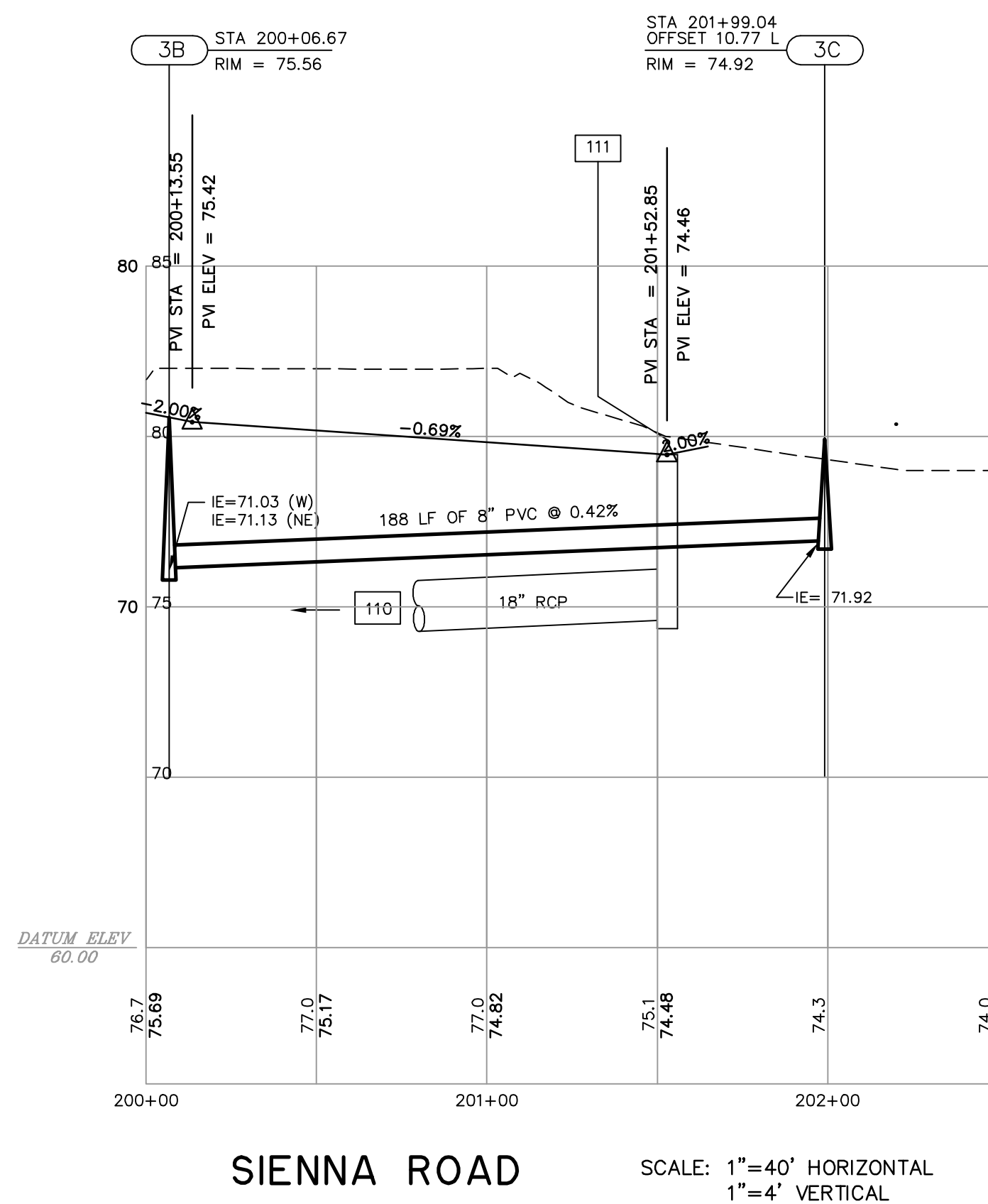
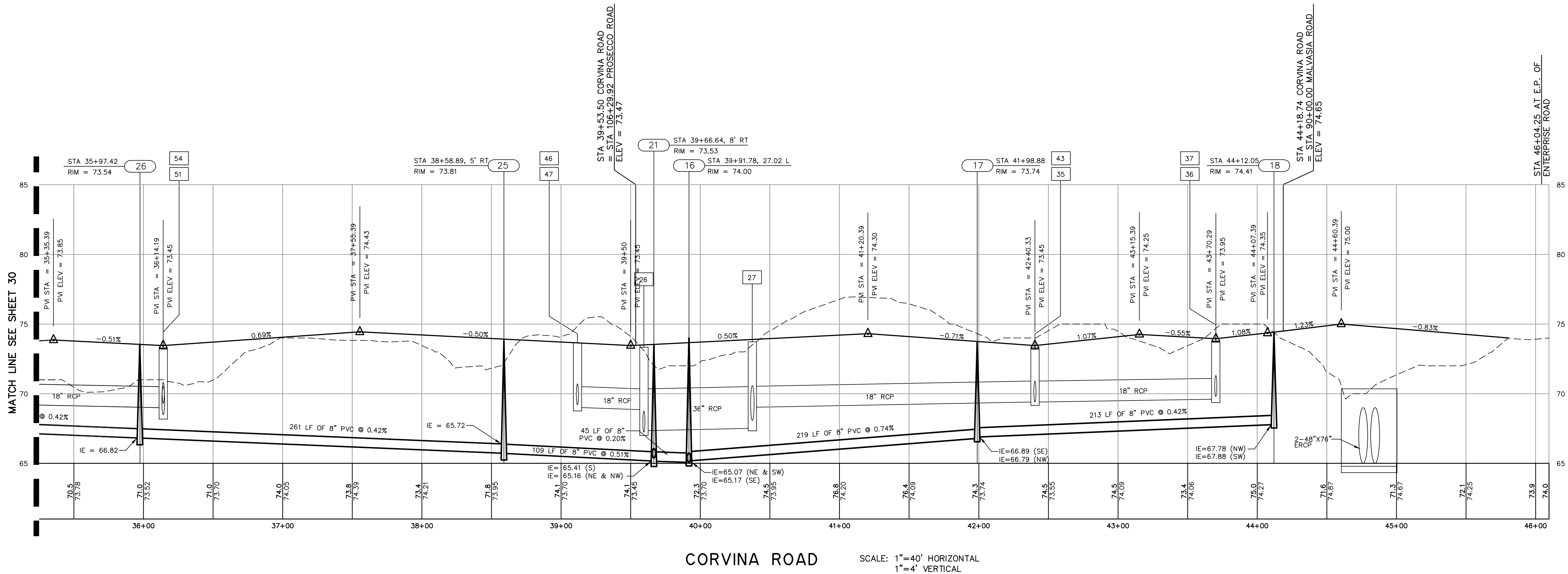




DESIGNED O.C./J.B.	THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.	FLORIDA DESIGN CONSULTANTS, INC. ENGINEERS, ENVIRONMENTALISTS, SURVEYORS & PLANNERS 3030 Starkey Blvd., New Port Richey FL 34655 Tel. (727) 849-7966 - Fax. (727) 849-3648	PREPARED FOR:	BEAZER HOMES TAMPA DIVISION 2630 SOUTH FAULKENBURG ROAD, SUITE A RIVERVIEW, FLORIDA 33569 PHONE: 813-663-9002 FAX: 813-663-9493	SHEET DESCRIPTION:	COSTA VERDE AT COUNTRYSIDE PROFILES		JOB NO. 282-02	30	
DRAWN J.S.								DATE 10-22-04		35
CHECKED E.M.										
DATE 10-22-04										



DESIGNED O.C./J.B.	THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.
DRAWN J.S.	
CHECKED E.M.	
Q.C.	



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3030 Starkey Blvd., New Port Richey, FL 34655
Tel. (727) 849-7566 - Fax. (727) 849-3648

E.B. No. 7421

PREPARED FOR:

BEAZER HOMES TAMPA DIVISION
2630 SOUTH FAULKENBURG ROAD, SUITE A
RIVERVIEW, FLORIDA 33569
PHONE: 813-663-9002 FAX: 813-663-9493

SHEET DESCRIPTION:

COSTA VERDE AT COUNTRYSIDE
PROFILES

NO.	DATE	REVISED PER CITY COMMENTS	REVISIONS	APPROVED BY	JOB NO. 282-02 E.P.N. 169 F.B. & P.C.	SHT. 31
1	8/16/05	REVISED PER CITY COMMENTS			DATE 10-22-04	OF 35

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DESIGNED	O.C./J.B.
DRAWN	J.S.
CHECKED	E.M.
IN CHARGE	

THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.



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RIVERVIEW, FLORIDA 33569
PHONE: 813-663-9002 FAX: 813-663-9493

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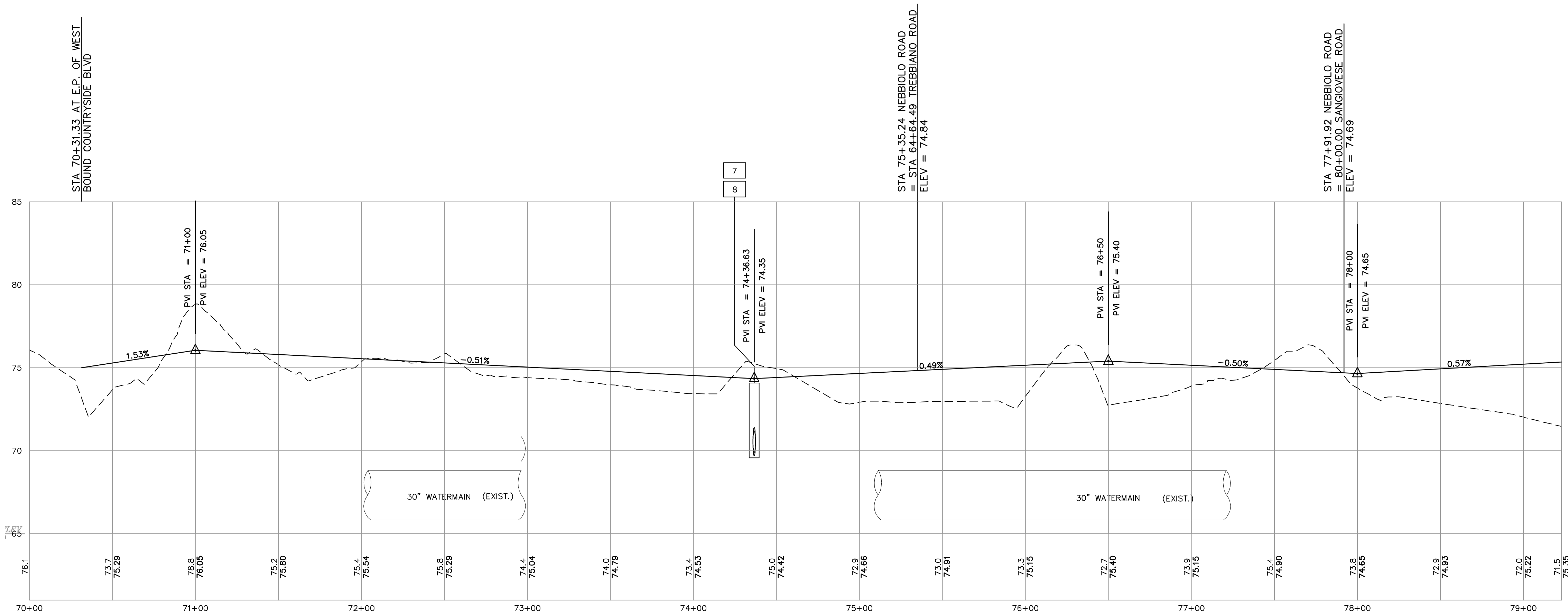
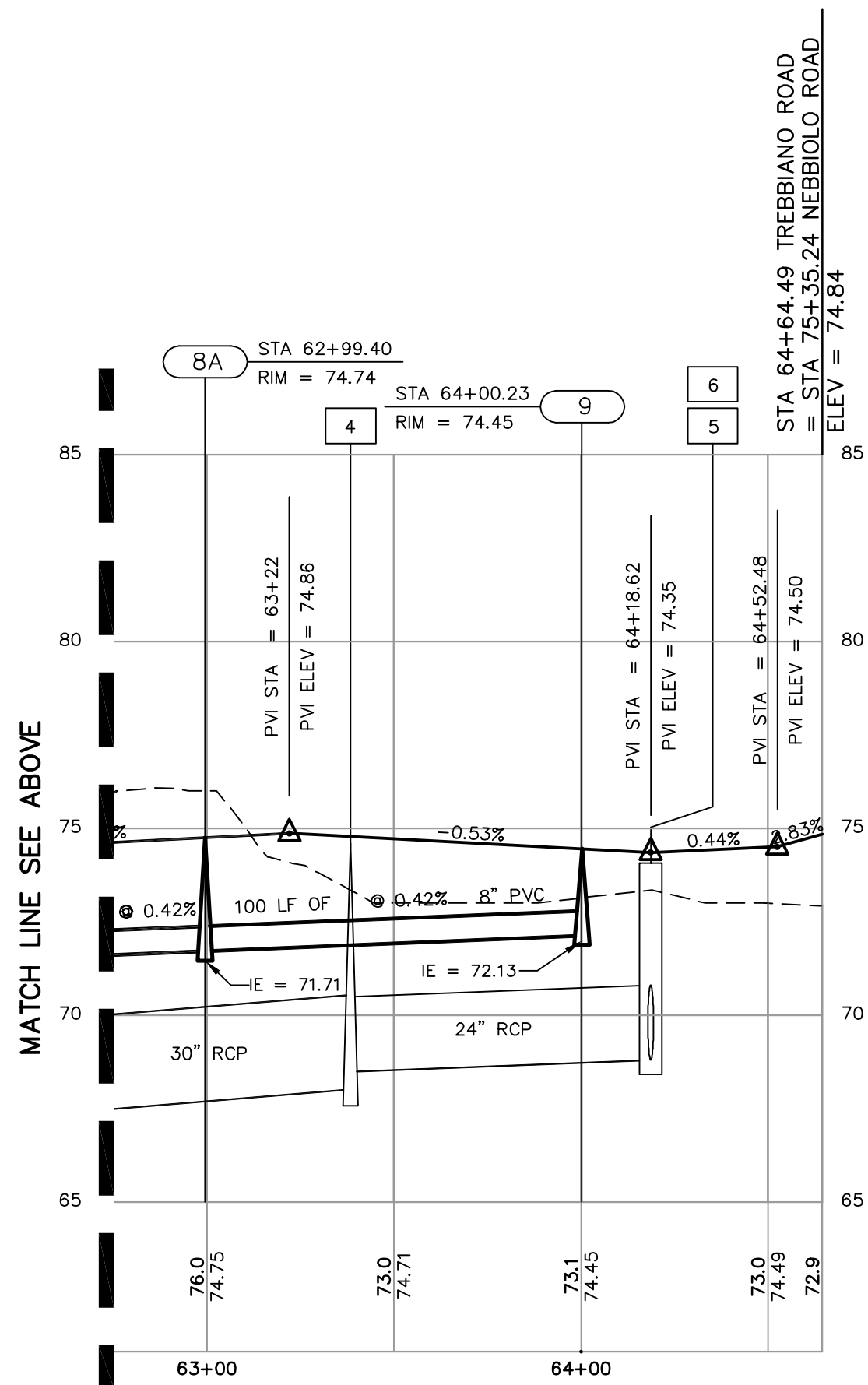
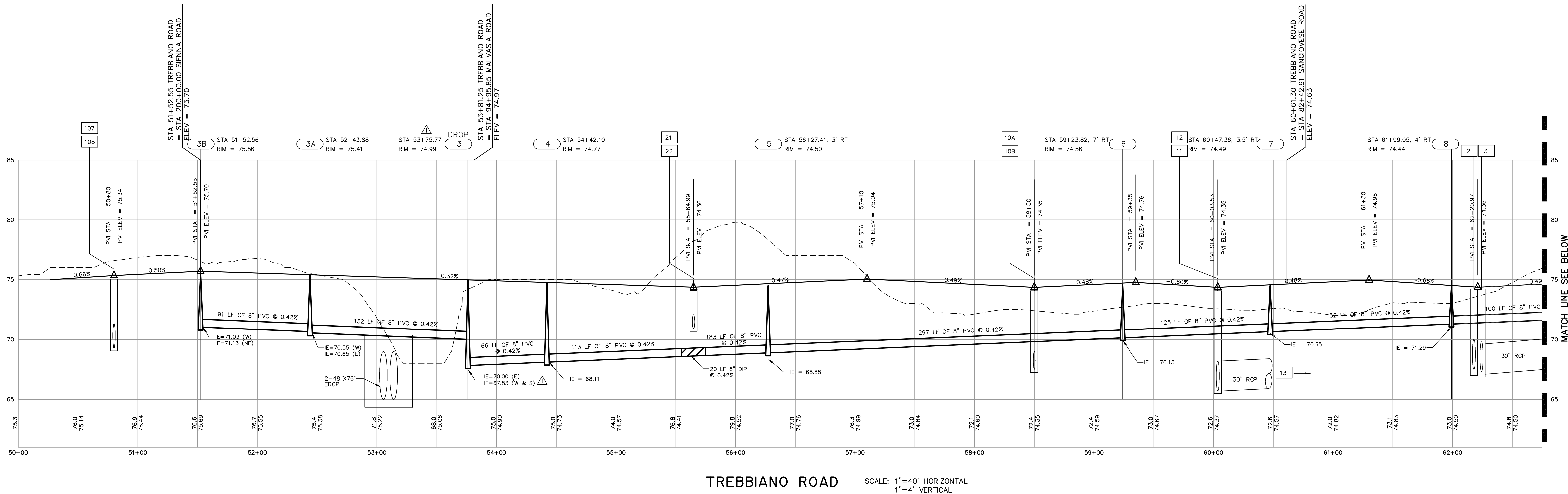
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PROFILES

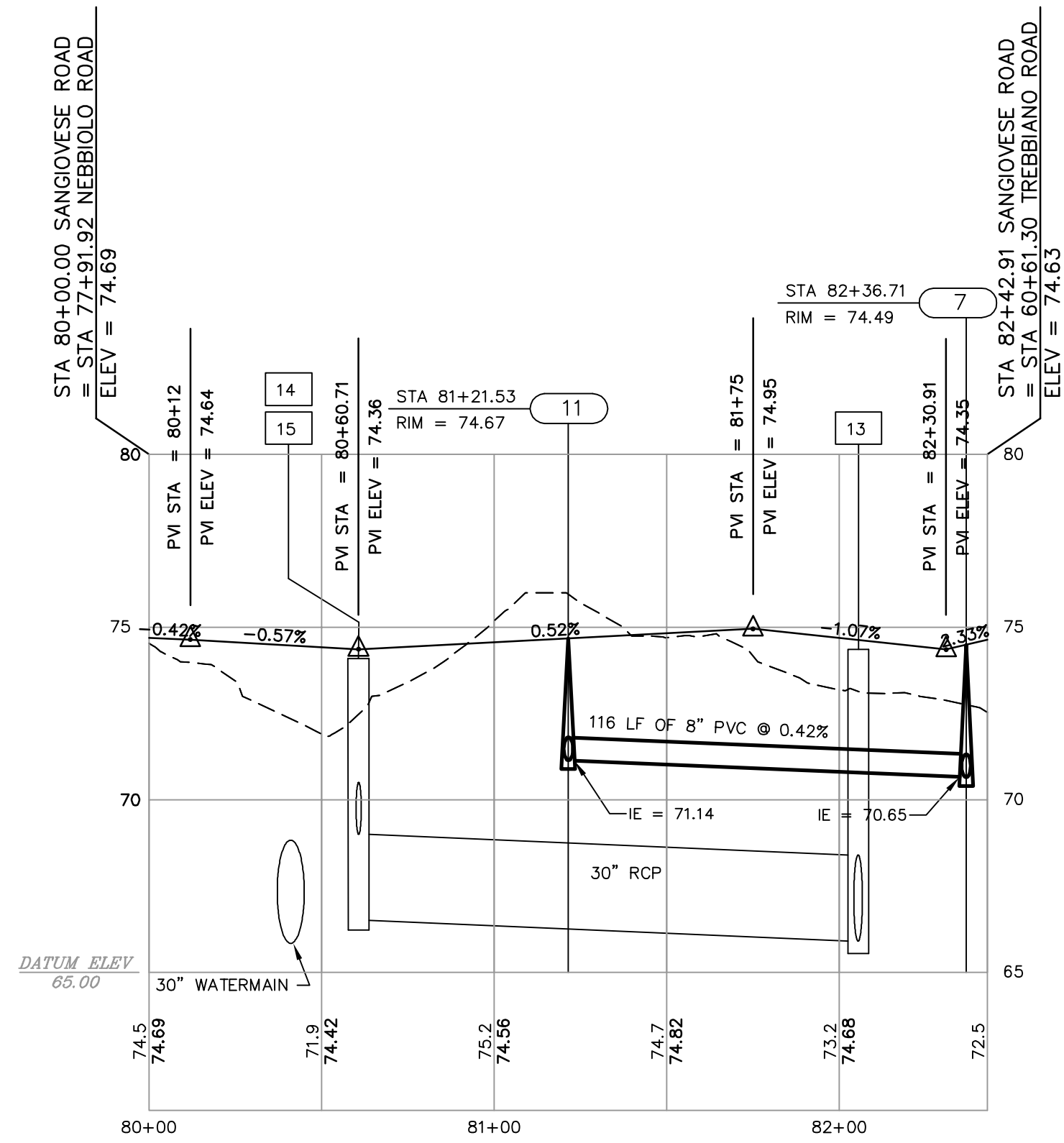
JOB NO.		282-02
E.P.N.		169
F.B. & P.C.		
DATE		10-22-04
APPROVED BY		
NO.		
DATE		
REVISIONS		
3		5/23/06 REVISED PER CITY COMMENTS
2		8/16/05 REVISED PER CITY COMMENTS
1		8/9/05 SANITARY MANHOLE # 3 MOVED, INVERTS CHANGED

SHT.

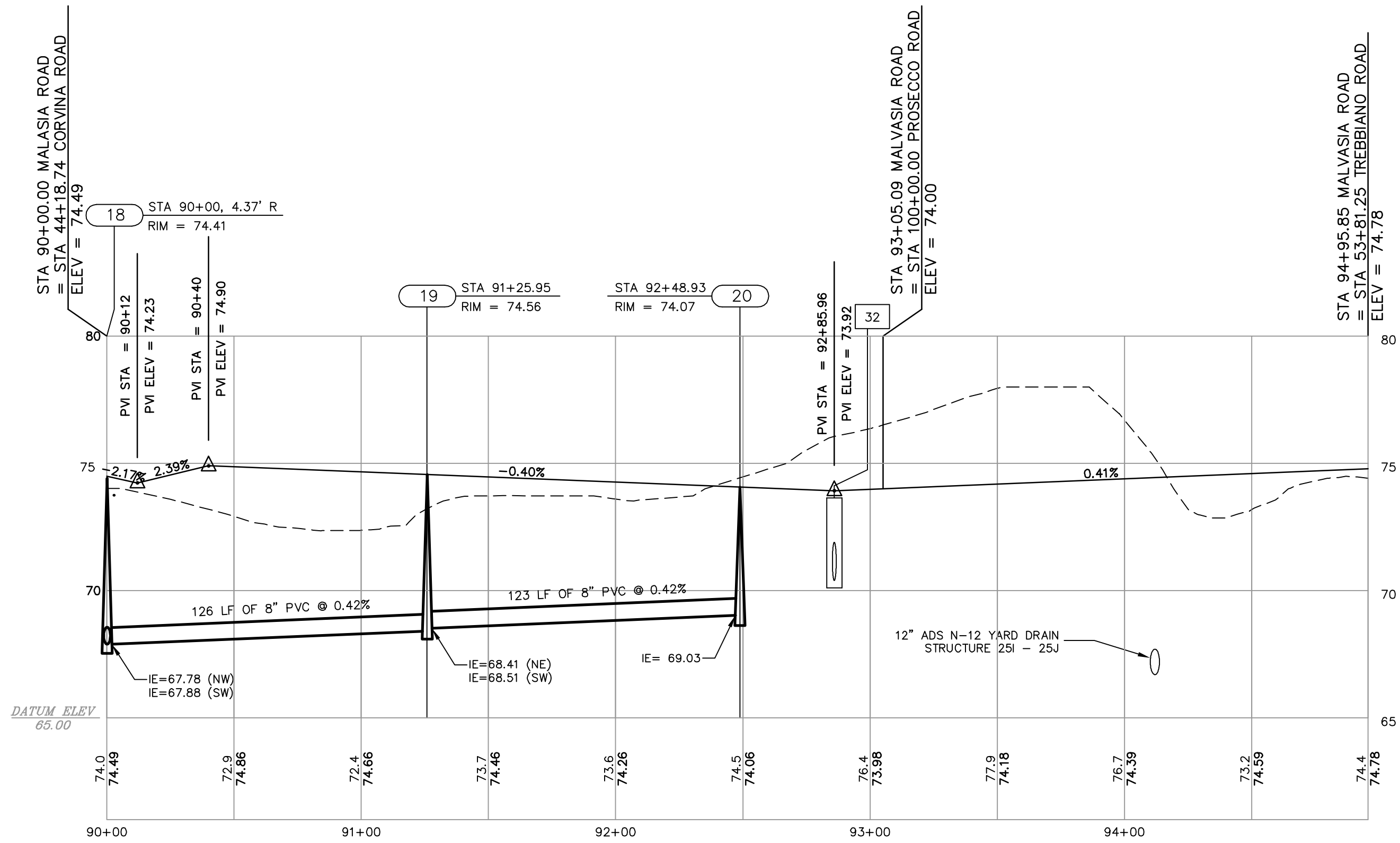
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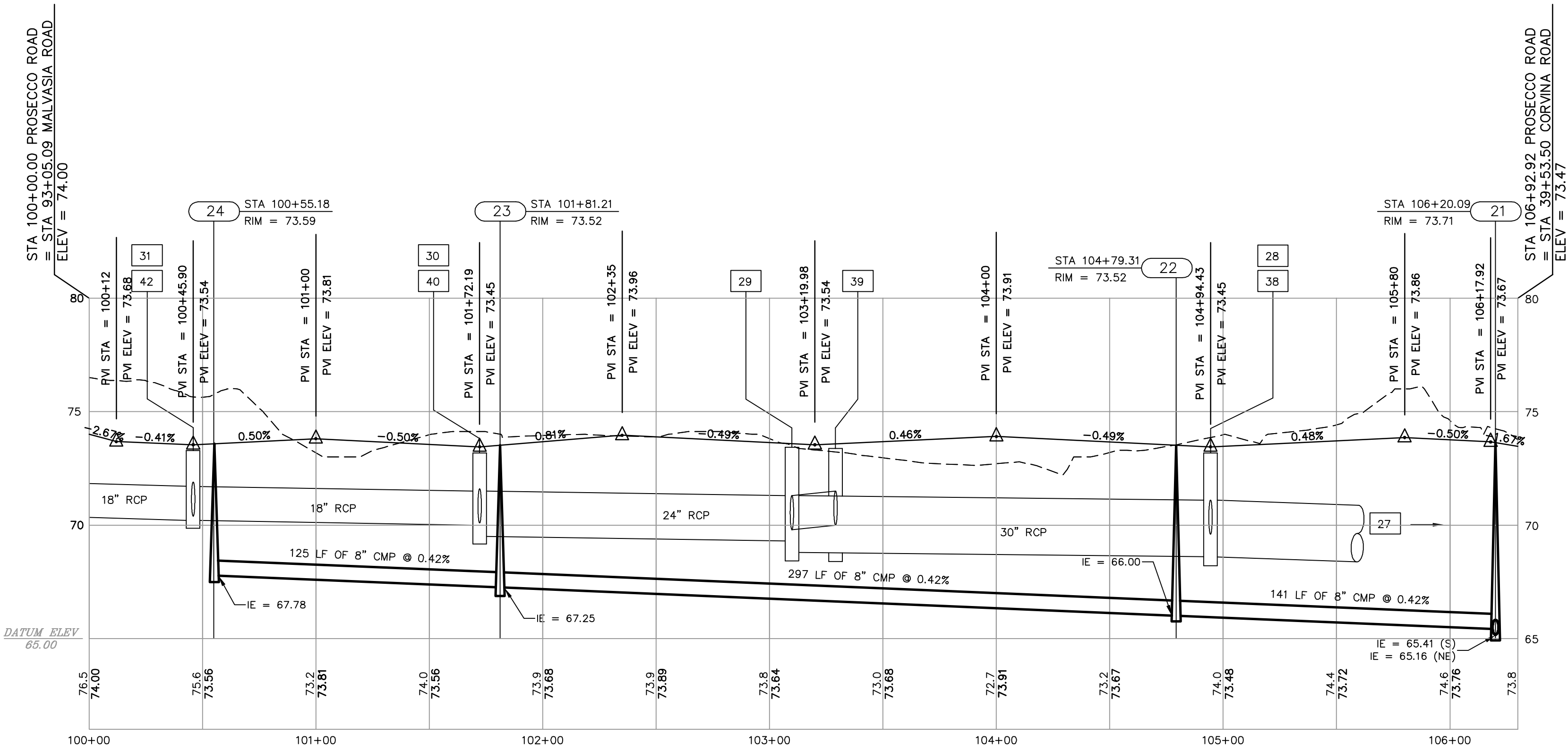




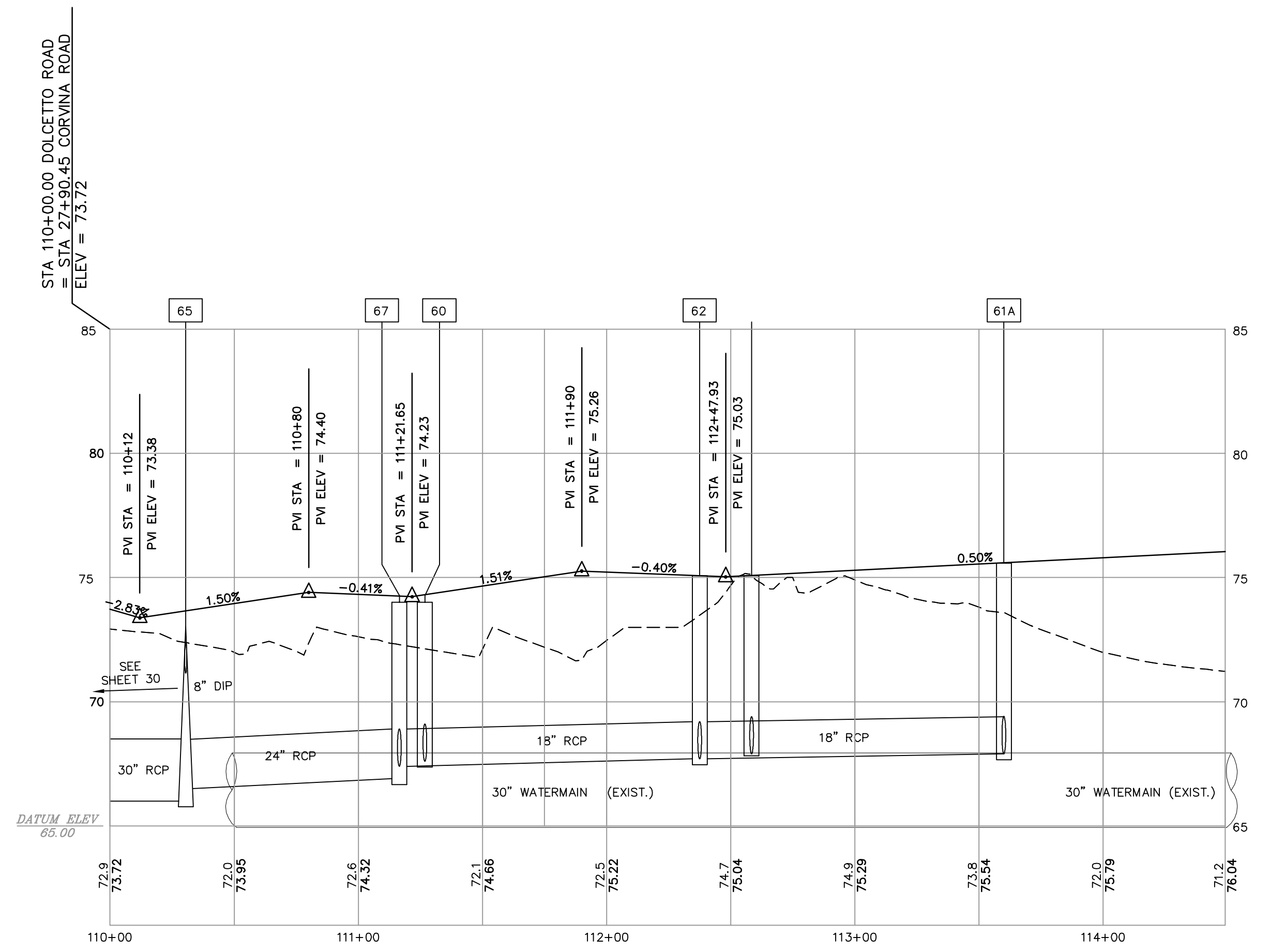
SANGIOVESE ROAD SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL



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



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



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

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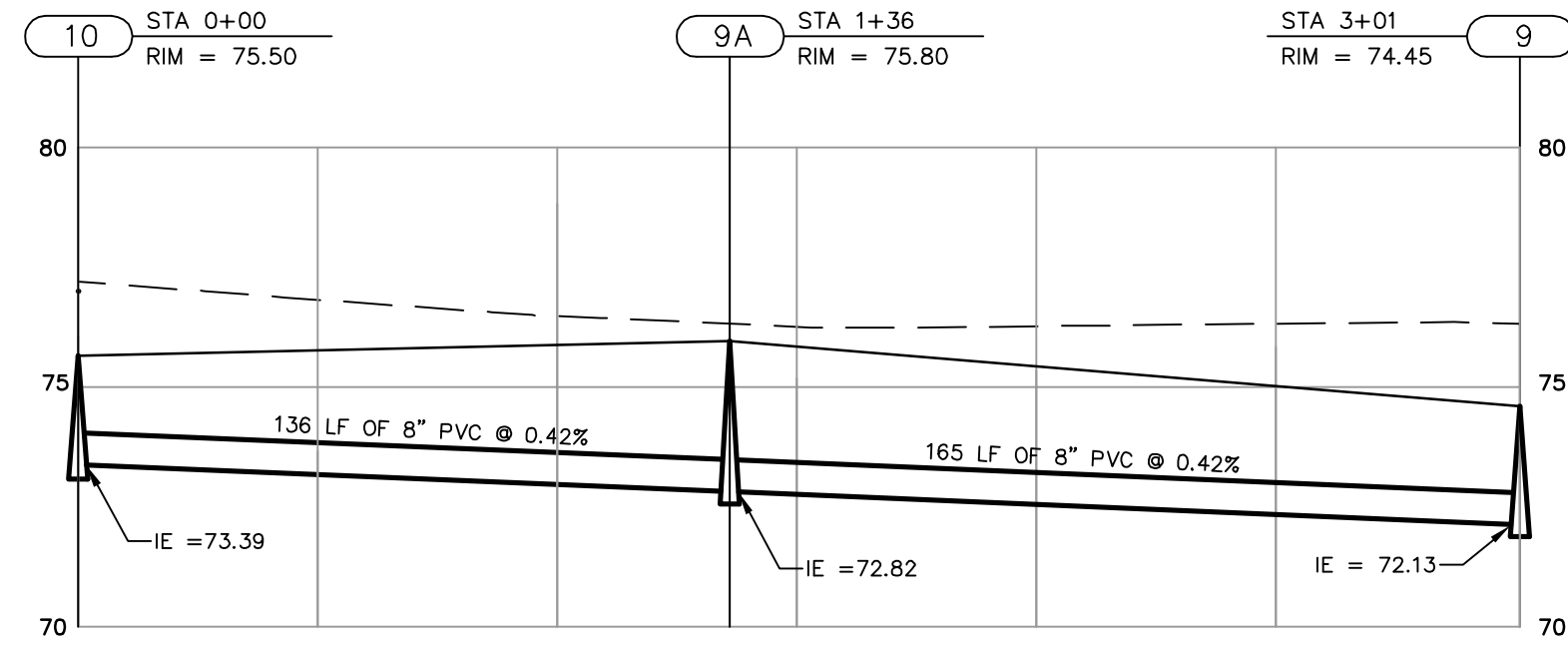
DESIGNED O.C./J.B.	THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.	PREPARED FOR: BEAZER HOMES TAMPA DIVISION 2630 SOUTH FAULKENBURG ROAD, SUITE A RIVERVIEW, FLORIDA 33569 PHONE: 813-663-9002 FAX: 813-663-9493	SHEET DESCRIPTION: COSTA VERDE AT COUNTRYSIDE PROFILES	JOB NO. 282-02 E.P.N. 169 F.B. & P.C. 2 3/13/06 REVISED PER FDEP 1 8/16/05 REVISED PER CITY COMMENTS DATE: 10-22-04 APPROVED BY: SHT. 33 OF 35
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Tel: (727) 849-7966 - Fax: (727) 849-3648

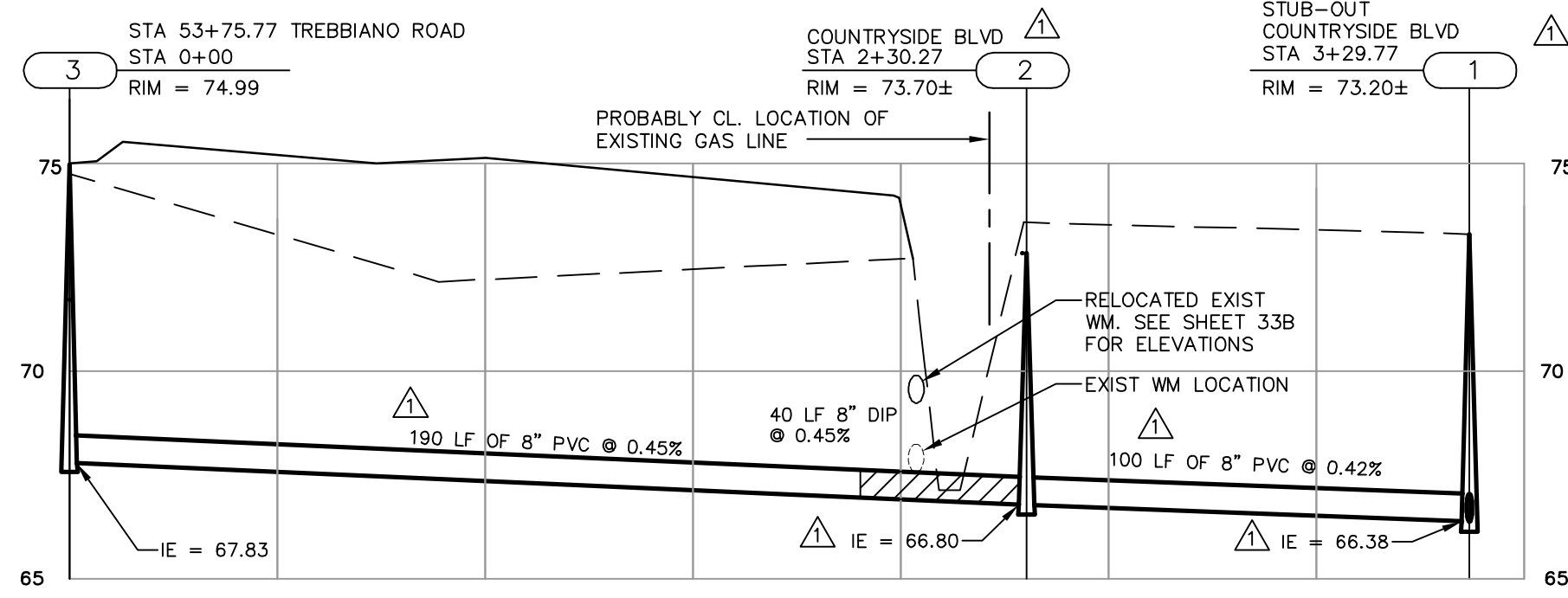
E.B. No. 7421

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LOTS EAST OF
NEBBIOLO ROAD

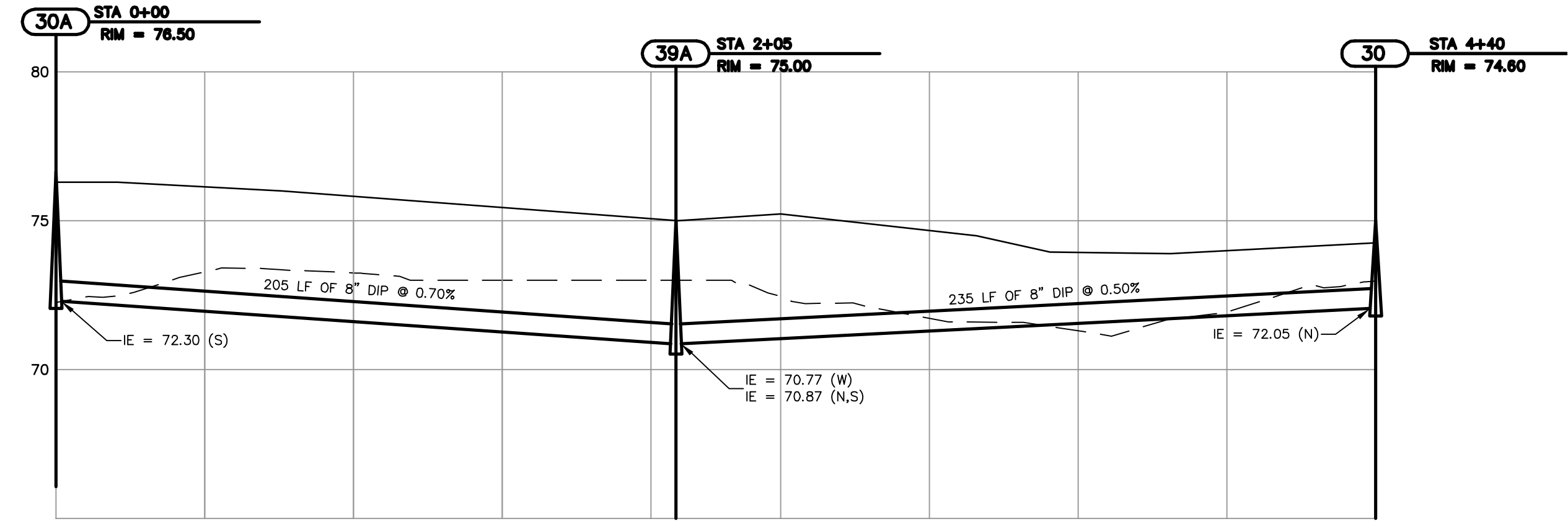
SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL



COUNTRYSIDE BLVD

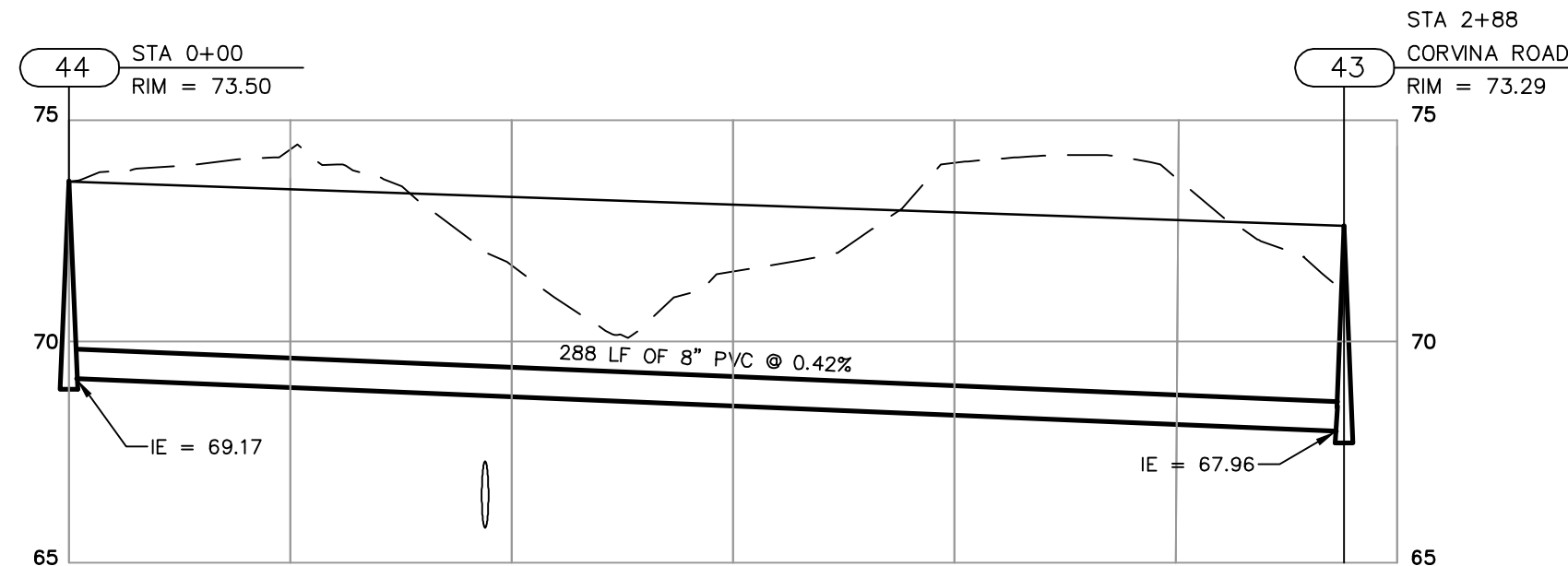
SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL

NOTE:
CONTRACTOR TO VERIFY THE
ELEVATION PRIOR TO
CONSTRUCTION OF SANITARY
MAINS



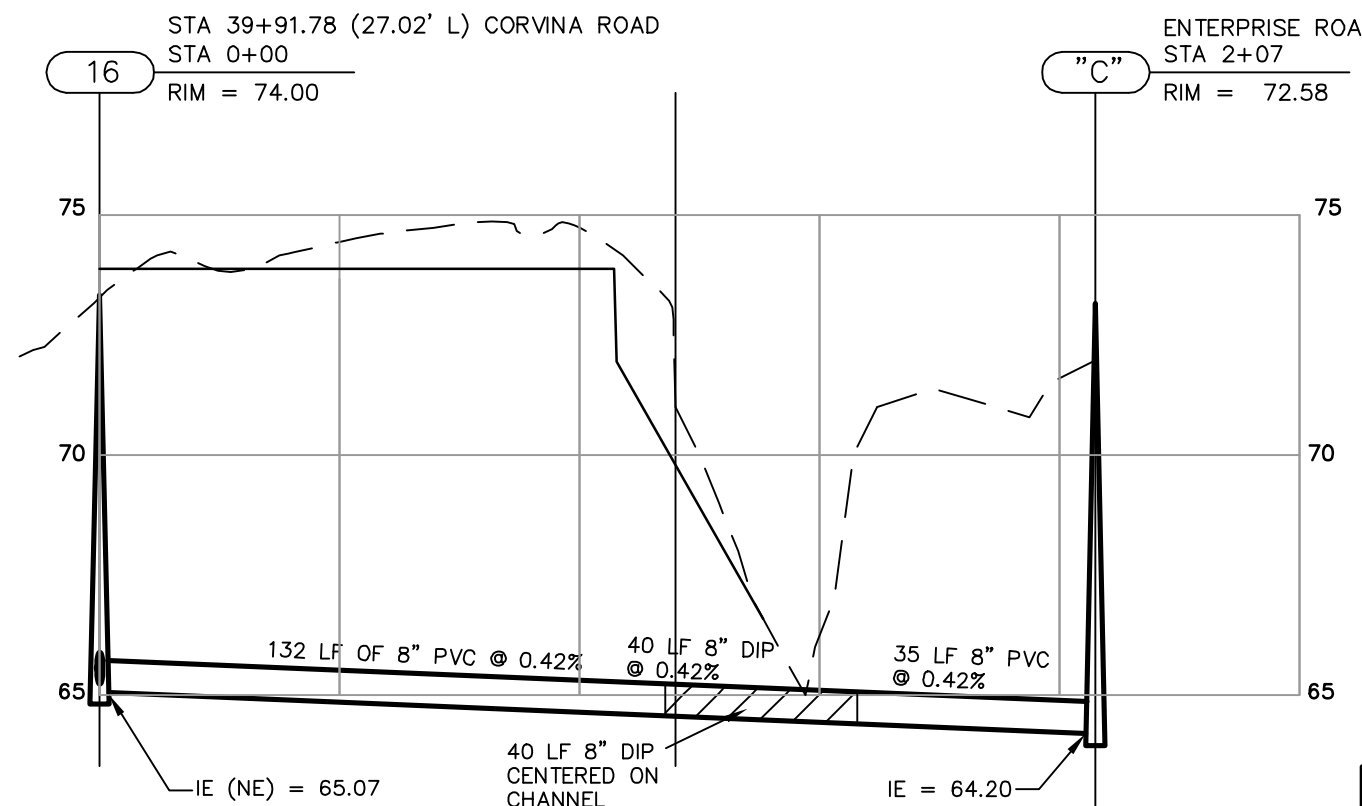
LOTS WEST OF
DOLCETTO ROAD

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



LOTS EAST OF
BELCHER ROAD

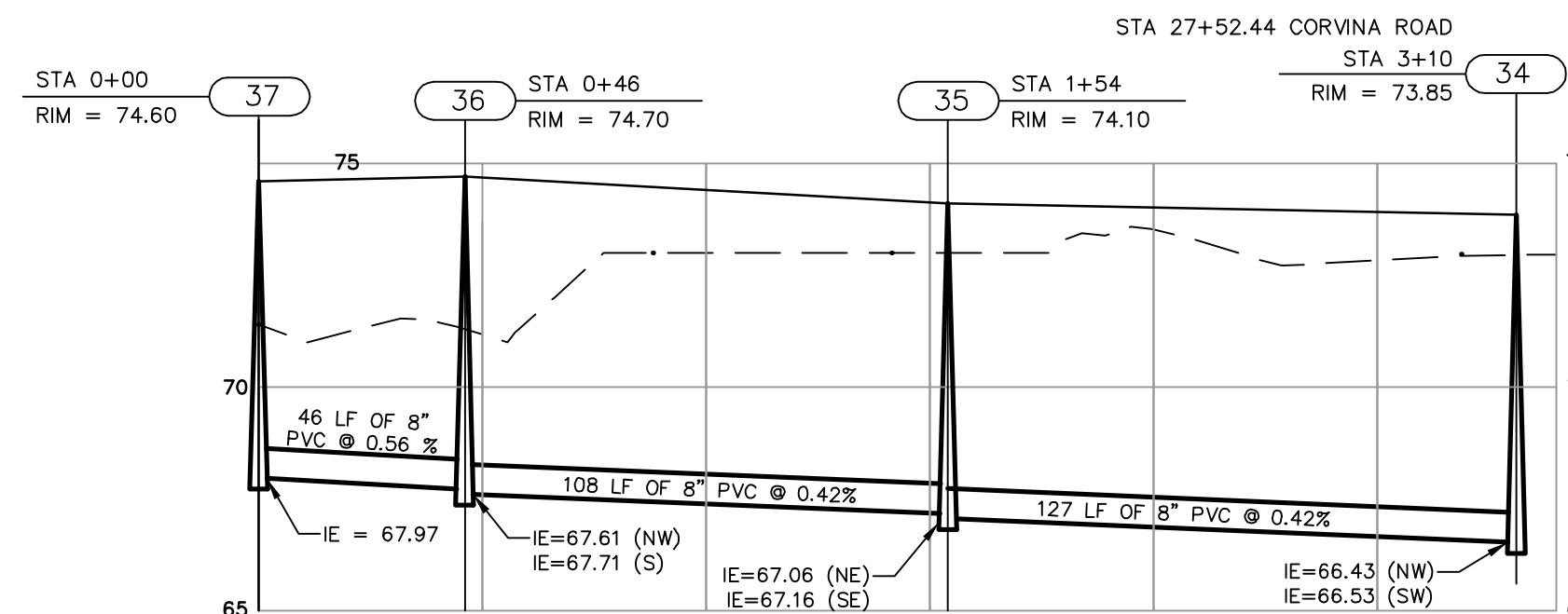
SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL



TIE-IN TO ENTERPRISE

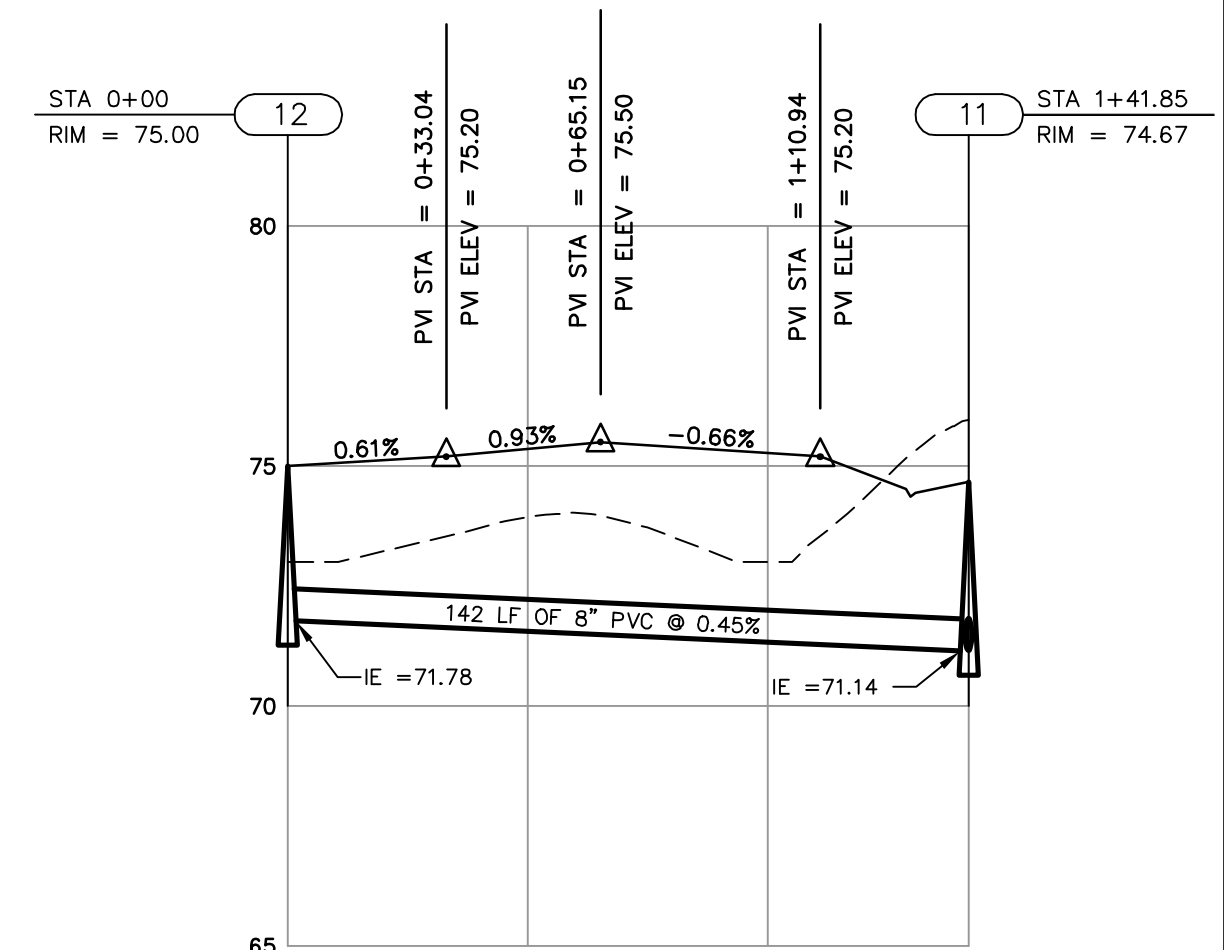
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1"=4' VERTICAL

NOTE:
CONTRACTOR TO VERIFY THE
ELEVATION PRIOR TO
CONSTRUCTION OF SANITARY
MAINS



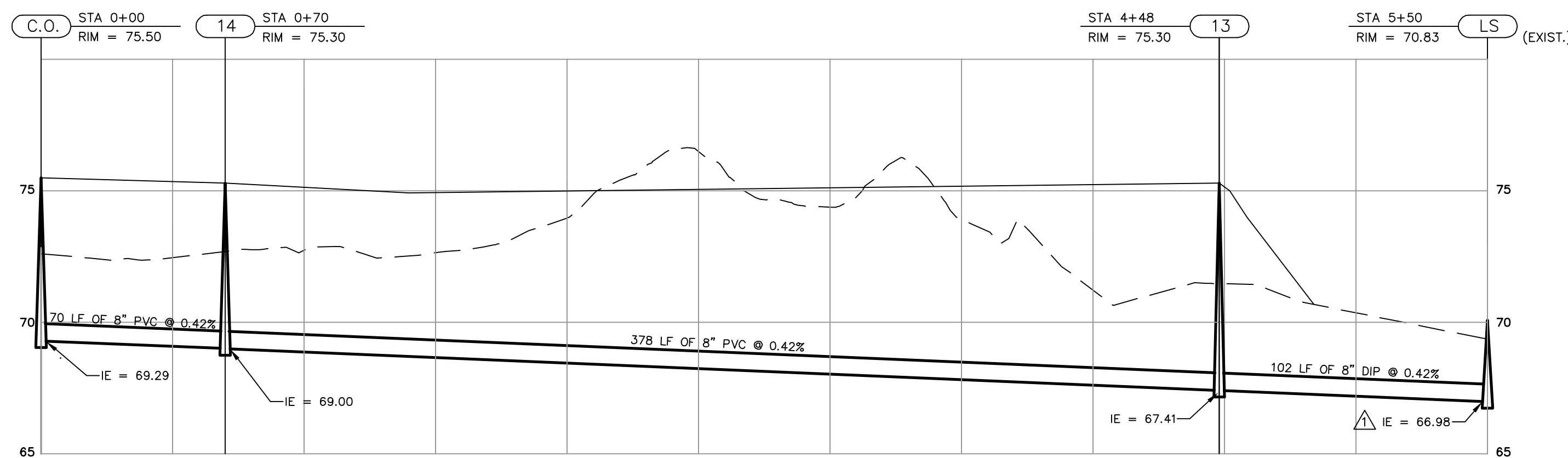
LOTS SOUTH OF
CORVINA ROAD

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



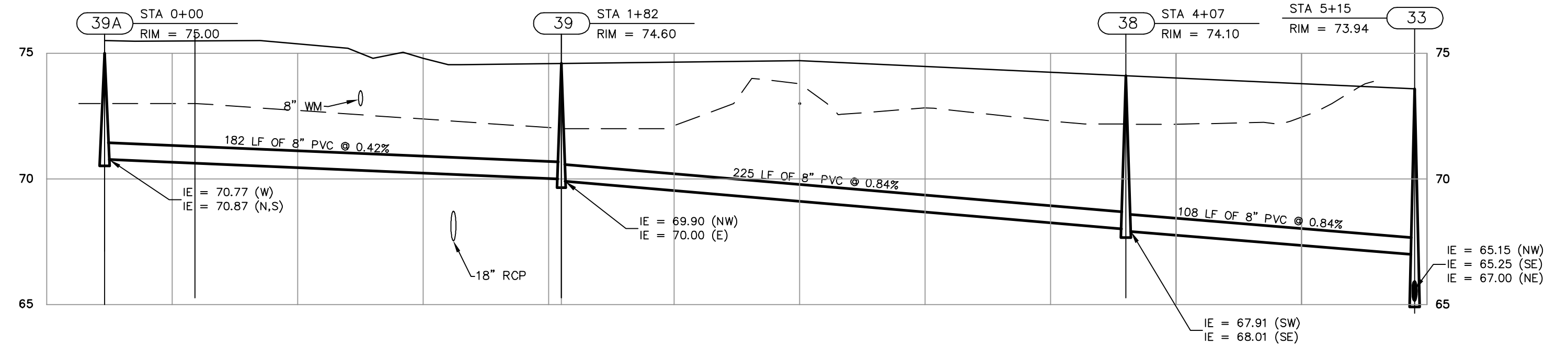
LOTS NORTH OF
CORVINA ROAD

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



LOTS WEST OF
NEBBIOLO ROAD

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



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DRAWN J.S.		
CHECKED E.M.		
DATE 10-22-04		

E.B. No. 7421

PREPARED FOR:	BEAZER HOMES TAMPA DIVISION 2630 SOUTH FAULKENBURG ROAD, SUITE A RIVERVIEW, FLORIDA 33569 PHONE: 813-663-9002 FAX: 813-663-9493
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SHEET DESCRIPTION:	COSTA VERDE AT COUNTRYSIDE PROFILES
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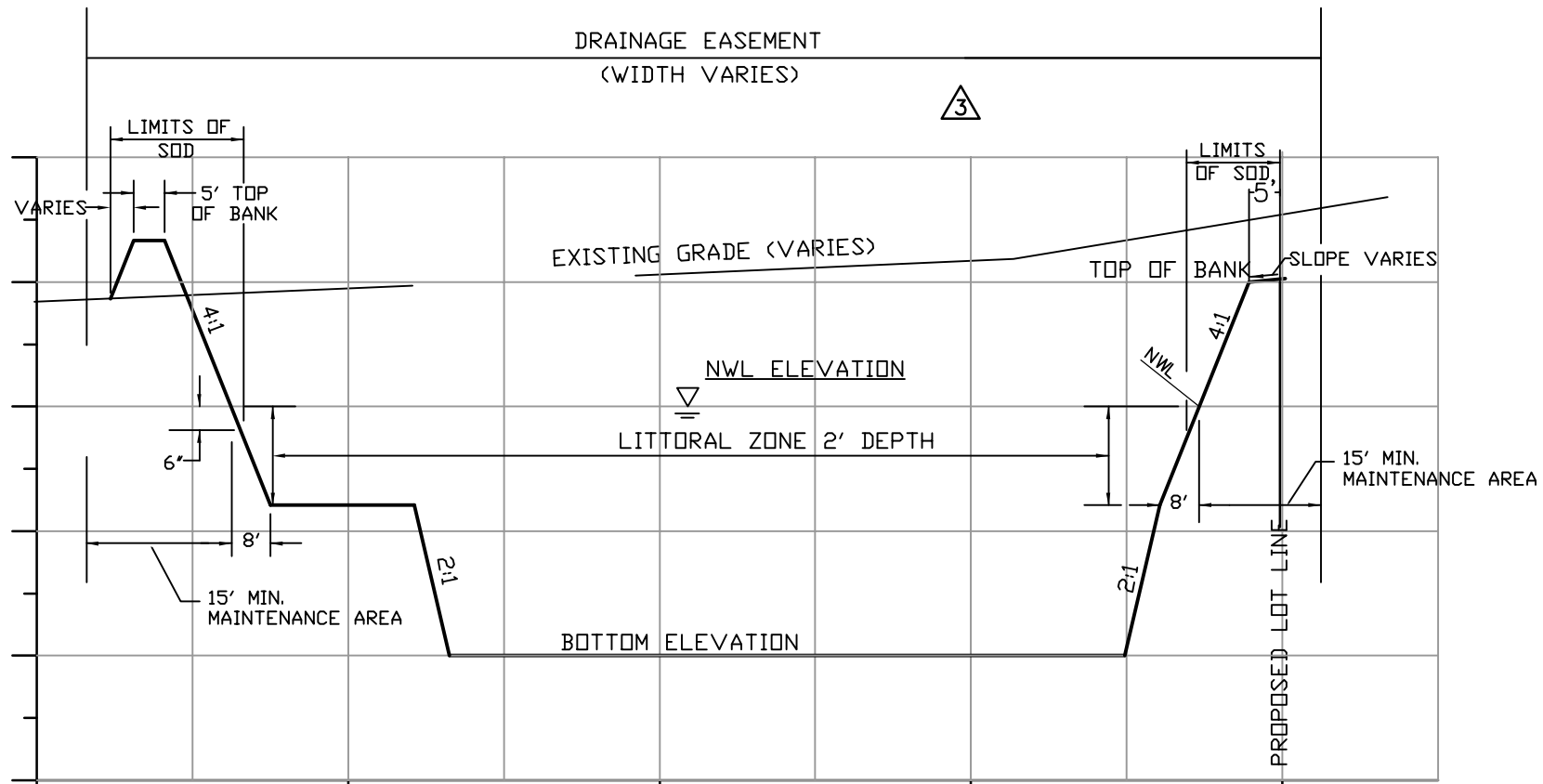
NO.	DATE	REVISIONS	APPROVED BY
3	5/23/06	REVISED CORVINA ROAD LOT PROFILE/ADDED DOLCETTO LOT PROFILE	
2	8/16/05	REVISED PER CITY COMMENTS	
1	8/9/05	SANITARY MANHOLE # 2 MOVED, INVERTS MODIFIED APPROX. EXISTING GAS AND WATER LINE NOTE ADDED	

JOB NO. 282-02	SHT. 33A
DATE 10-22-04	OF 35

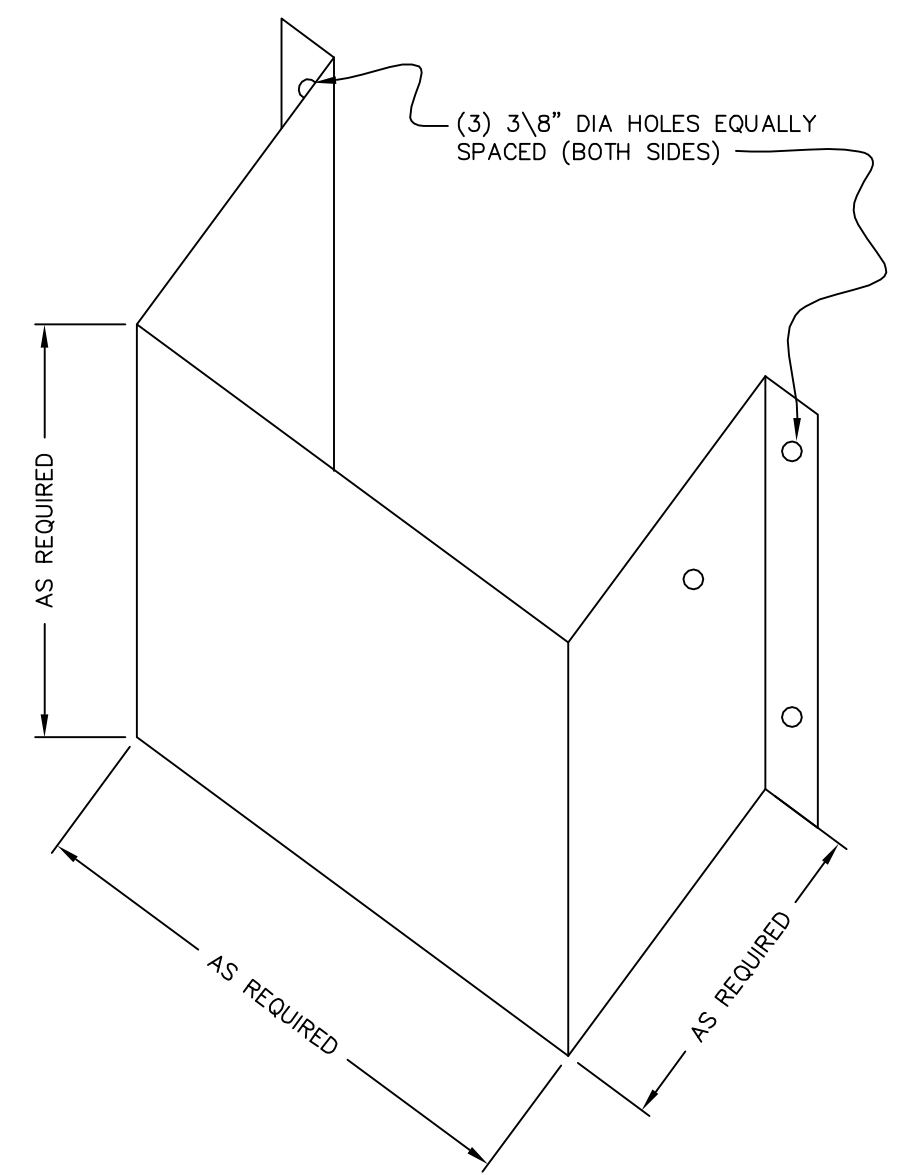
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POND	TOP OF BANK	DHW (25)	NWL	BOTTOM EL.	NWL AREA (sf)	LITT. AREA (sf)	RATIO
POND 130	73.30	72.70	70.00	61.00	16775	5871	35%
POND 131	73.50	72.95	70.00	66.00	4413	1544	35%
POND 120	73.70	73.08	69.30	59.00	36407	12742	35%
POND 110	75.00	74.39	71.50	68.00	2957	1034	35%
POND 105	75.00	74.27	71.50	66.00	4250	1487	35%
POND 100 EAST *	75.00	73.63	71.00	55.00	32412	11344	35%
POND 100 WEST *	75.00	73.63	71.00	52.00	16775	5871	35%

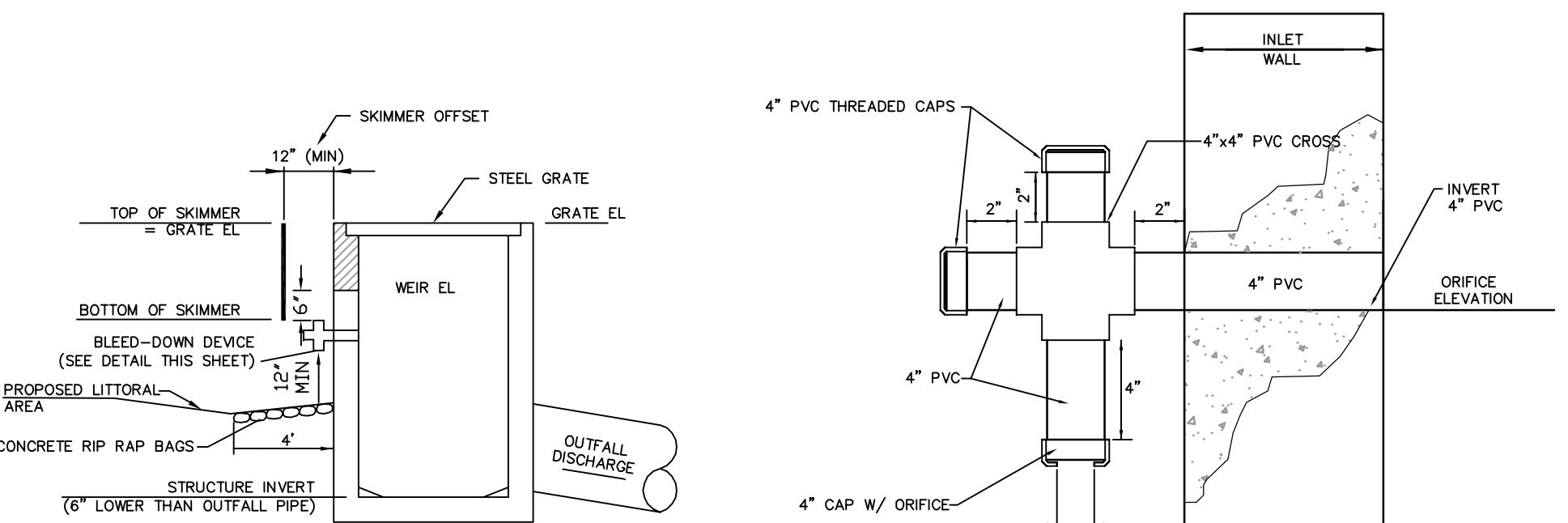
* = DRAINAGE REPORT EVALUATED POND 100 EAST & POND 100 WEST TO BE AS ONE SINGLE POND - NAMED POND 100



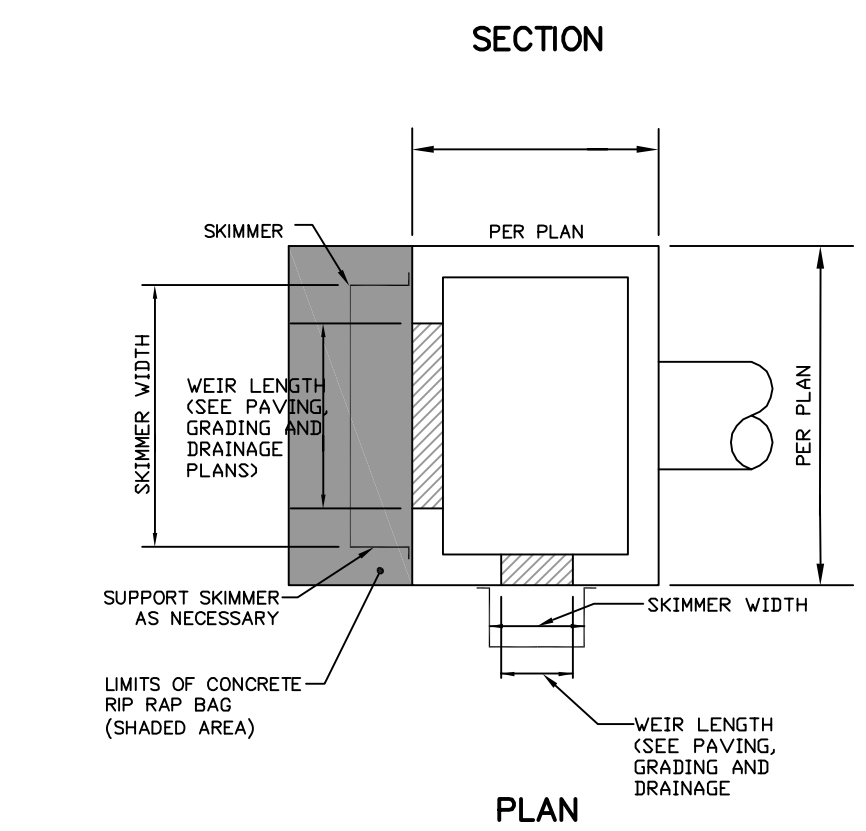
TYPICAL POND SECTION
N.T.S. ANY



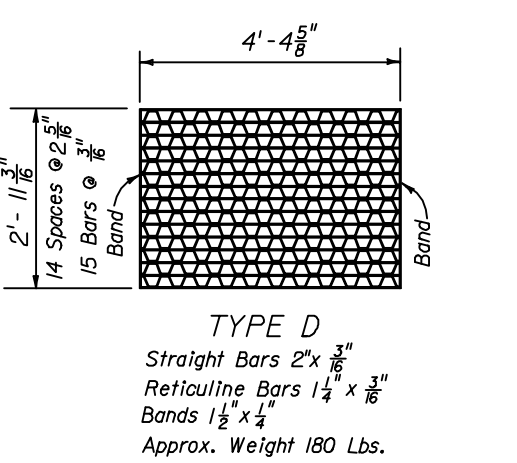
CONTROL STRUCTURE "SKIMMERS"
FIBERGLASS OR ALUMINUM



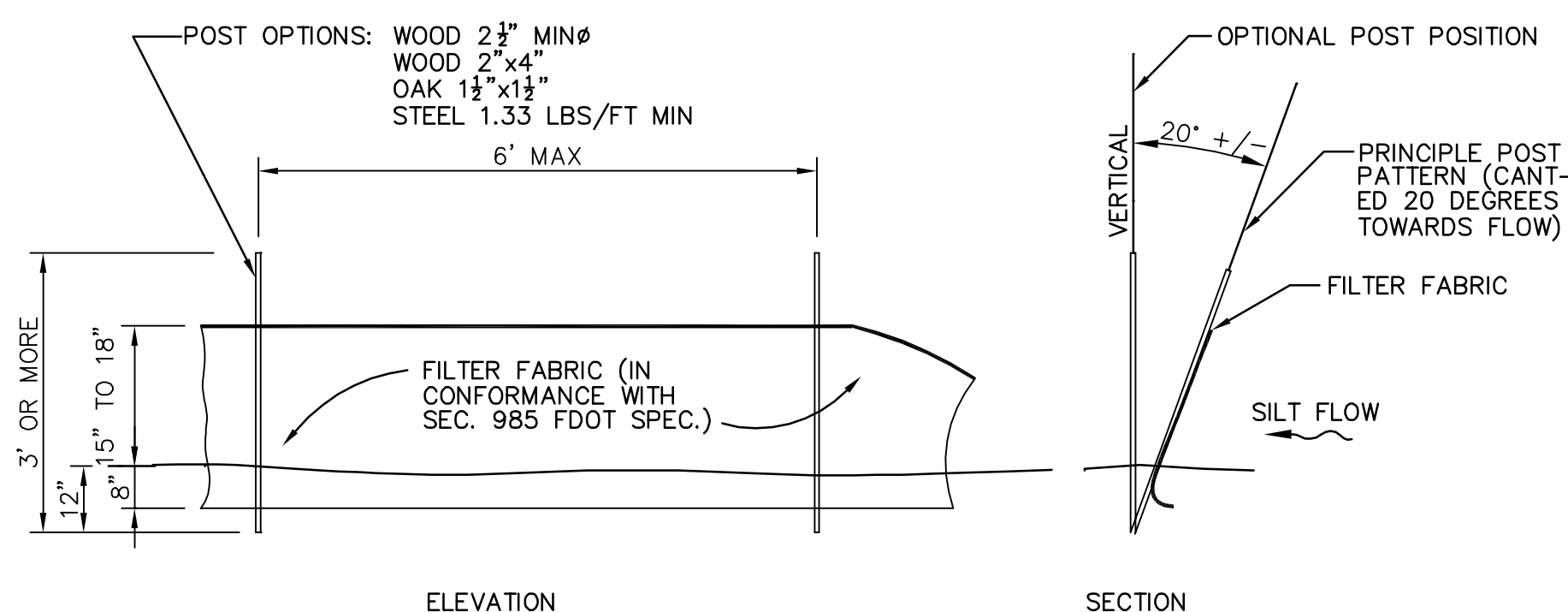
BLEED-DOWN ORIFICE DETAIL
N.T.S.



OUTFALL CONTROL STRUCTURE
FOOT TYPE "D" MODIFIED (UNLESS OTHERWISE SHOWN)
N.T.S.

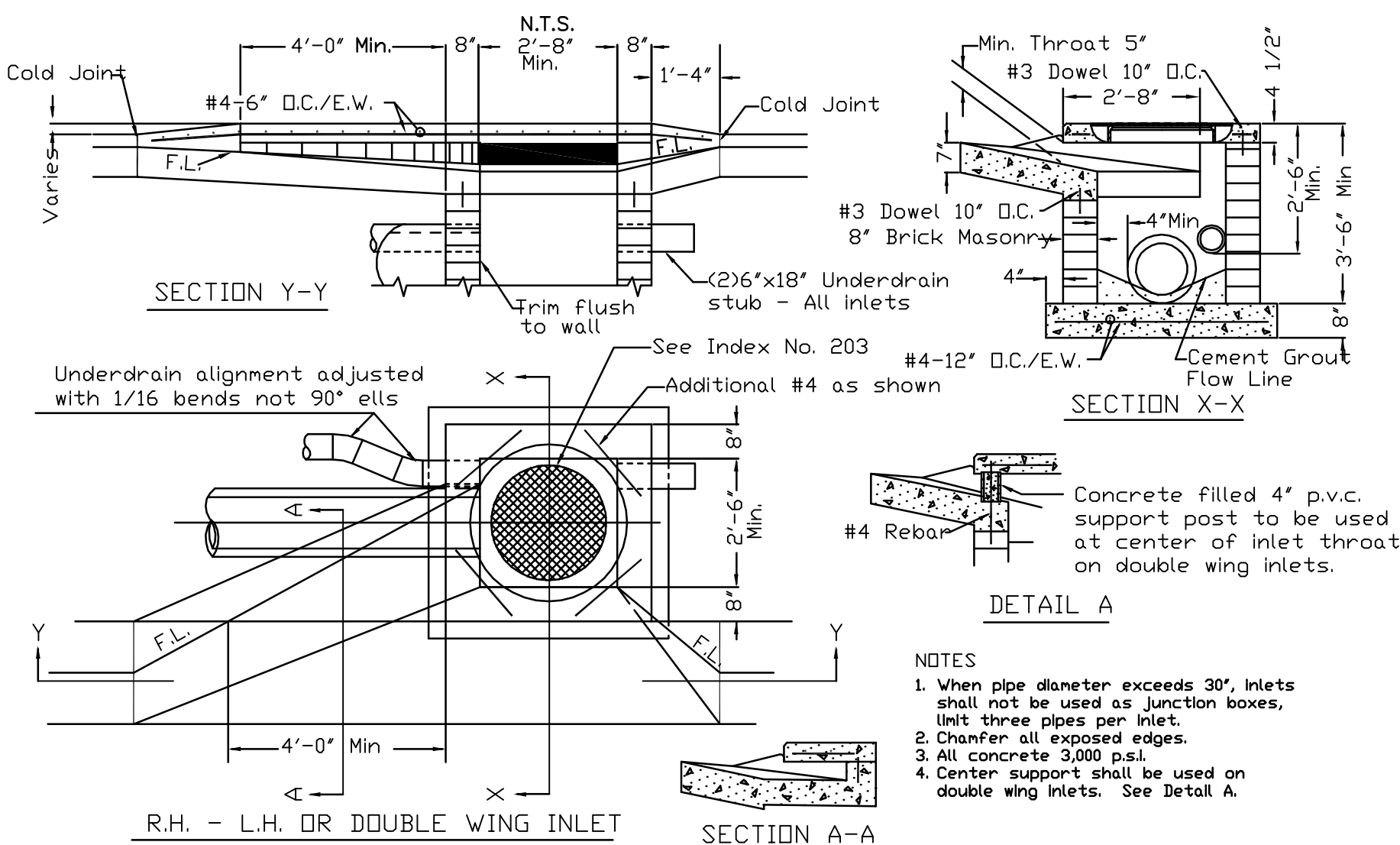


TYPE "D" INLET STEEL GRATE
N.T.S.

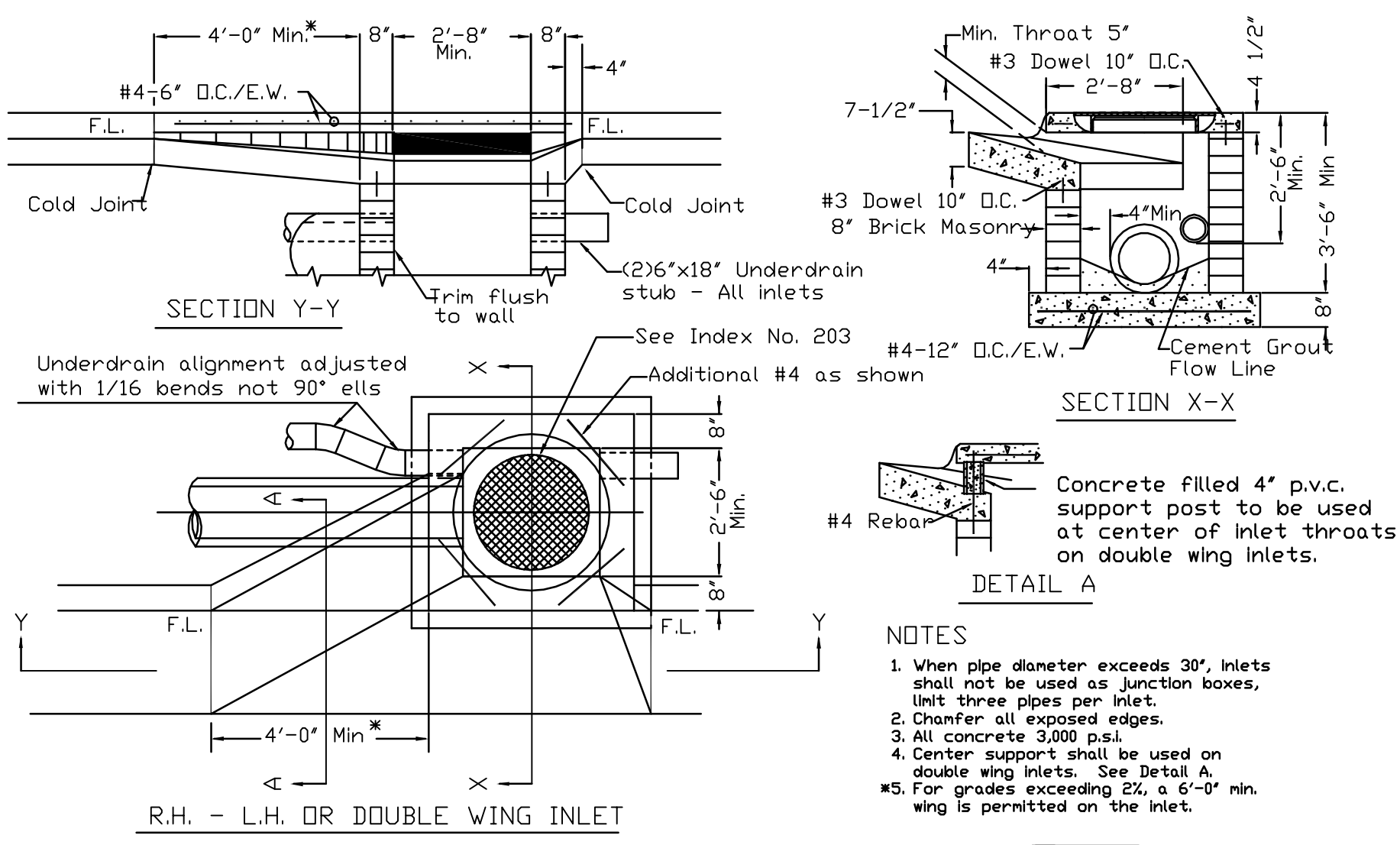


SILT FENCE DETAIL
N.T.S.

NOTE: ALL EROSION CONTROL MUST BE INSTALLED PRIOR TO ISSUANCE OF BUILDING PERMIT.



TYPE "C" INLET
N.T.S.



TYPE "A" INLET
N.T.S.

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DESIGNED
O.C./J.B.
DRAWN
J.S.
CHECKED
E.M.
O.C.

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E.B. No. 7421

PREPARED FOR:

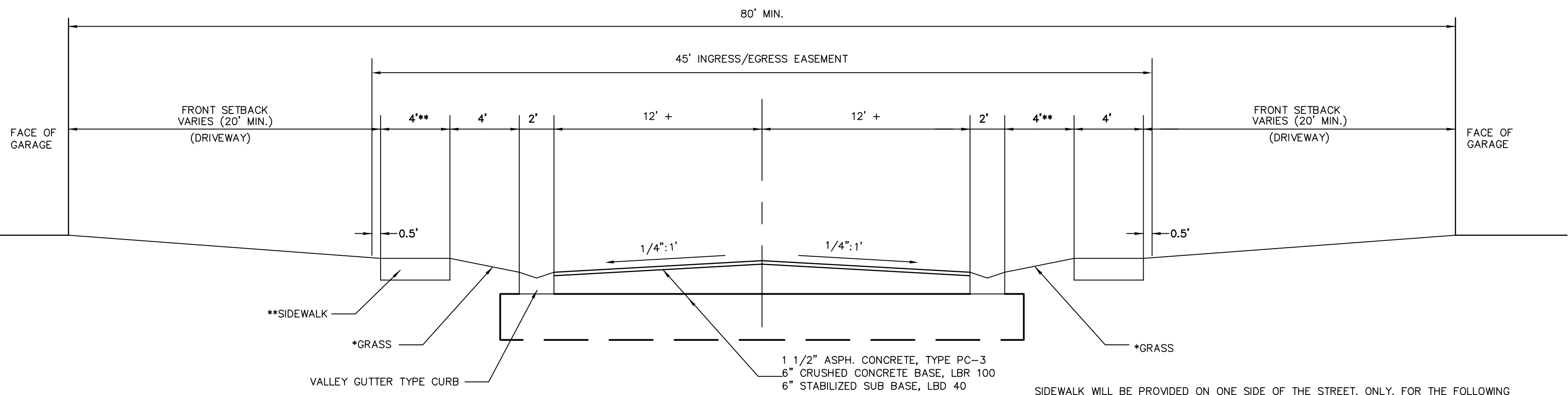
BEAZER HOMES TAMPA DIVISION
2630 SOUTH FAULKENBURG ROAD, SUITE A
RIVERVIEW, FLORIDA 33569
PHONE: 813-663-9002 FAX: 813-663-9493

SHEET DESCRIPTION:

COSTA VERDE AT COUNTRYSIDE
PAVING AND DRAINAGE DETAILS

5	06/28/06	REVISED PER CITY COMMENTS	JOB NO.	282-02
4	04/26/06	REVISED PER CITY COMMENTS	EPN	169
3	11/29/05	REVISED TYP. POND SECTION, ADDED LITTORAL ZONE DEPTH.	F.B. & P.C.	34
2	10/23/05	REVISED PER SHWMO COMMENTS	DATE:	10-22-04
1	8/16/05	REVISED PER CITY COMMENTS	APPROVED BY	35

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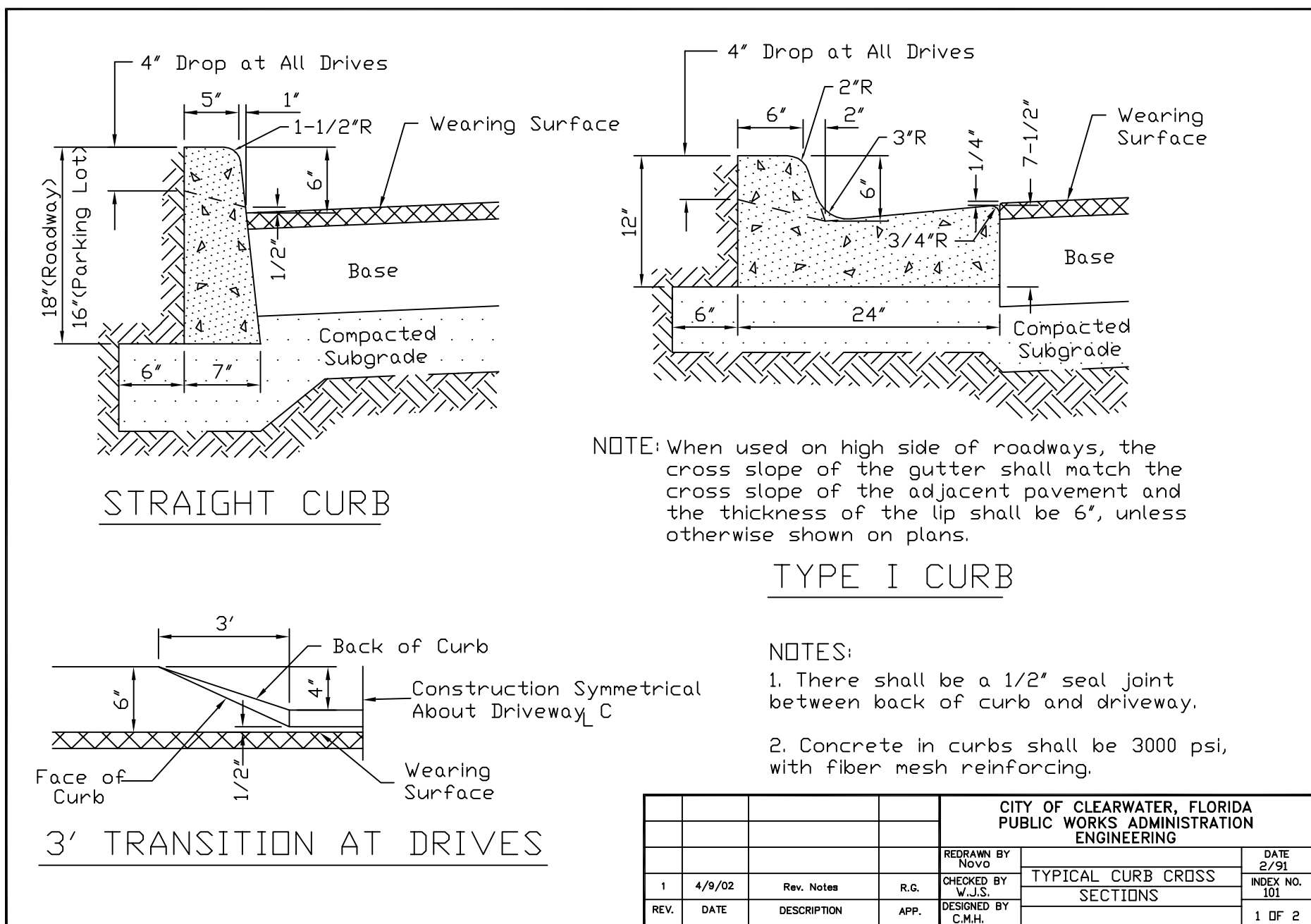


TYPICAL RESIDENTIAL STREET SECTION

- + TREBBIANO ROAD WIDENS TO MATCH EXISTING TURN-OUT AT COUNTRYSIDE BLVD.
- * UTILITY STRIP TO ACCOMMODATE: POWER, TELEPHONE, CATV, IRRIGATION, ETC.
- ** (BUILDER WILL COORDINATE INSTALLATION WITH SERVICE PROVIDERS)

SIDEWALK WILL BE PROVIDED ON ONE SIDE OF THE STREET, ONLY, FOR THE FOLLOWING SECTIONS:

- TREBBIANO ROAD FROM COUNTRYSIDE BLVD. TO SIENNA ROAD
- MALVASIA ROAD FROM CORVINA ROAD TO TREBBIANO ROAD
- CORVINA ROAD FROM BELCHER RD. (STA. 10+00) TO STA. 17+50



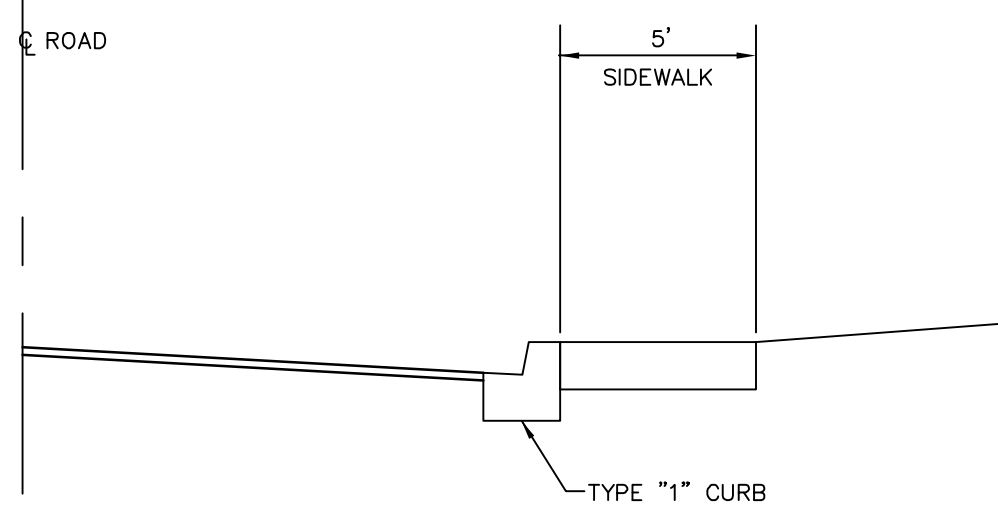
NOTE: When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement and the thickness of the lip shall be 6\", unless otherwise shown on plans.

TYPE I CURB

NOTES:

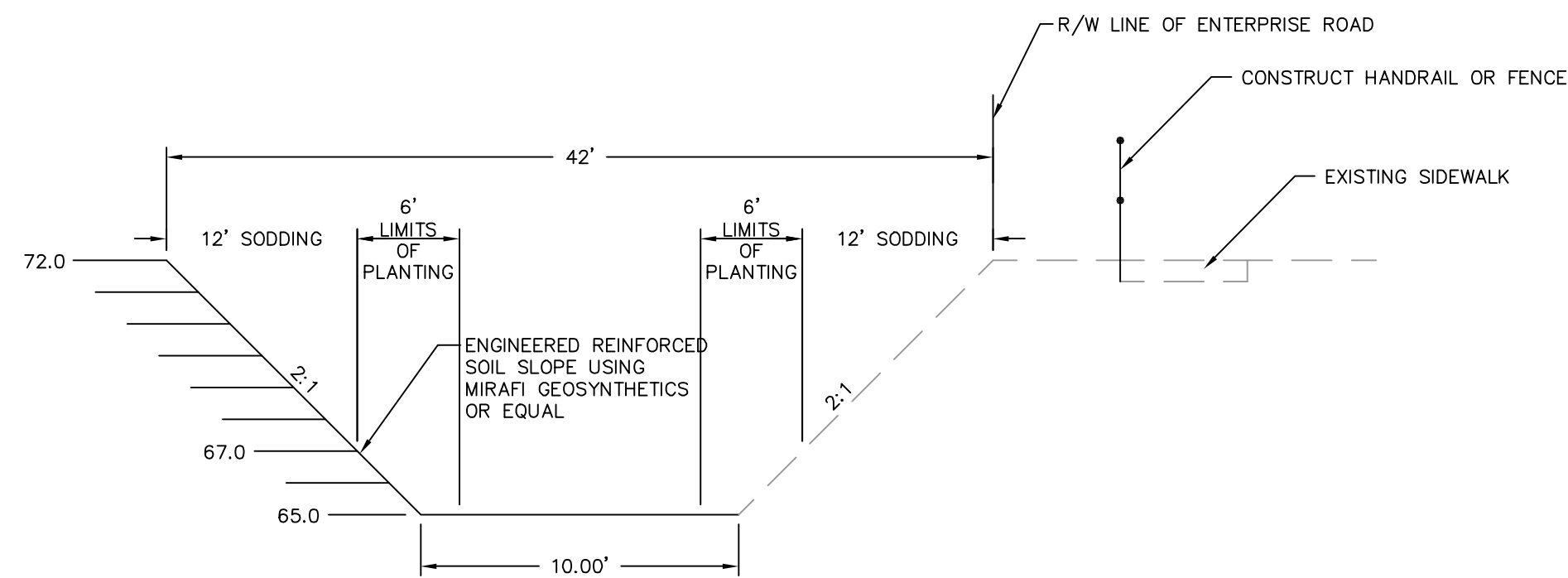
1. There shall be a 1/2\" seal joint between back of curb and driveway.
2. Concrete in curbs shall be 3000 psi, with fiber mesh reinforcing.

CITY OF CLEARWATER, FLORIDA PUBLIC WORKS ADMINISTRATION ENGINEERING					
DESIGNED BY	NOVO	DATE	8/9/01	TYPICAL CURB CROSS SECTIONS	
DRAWN BY	V.J.S.	NO. 1			
REV.	DATE	DESCRIPTION	APP.	1 OF 2	

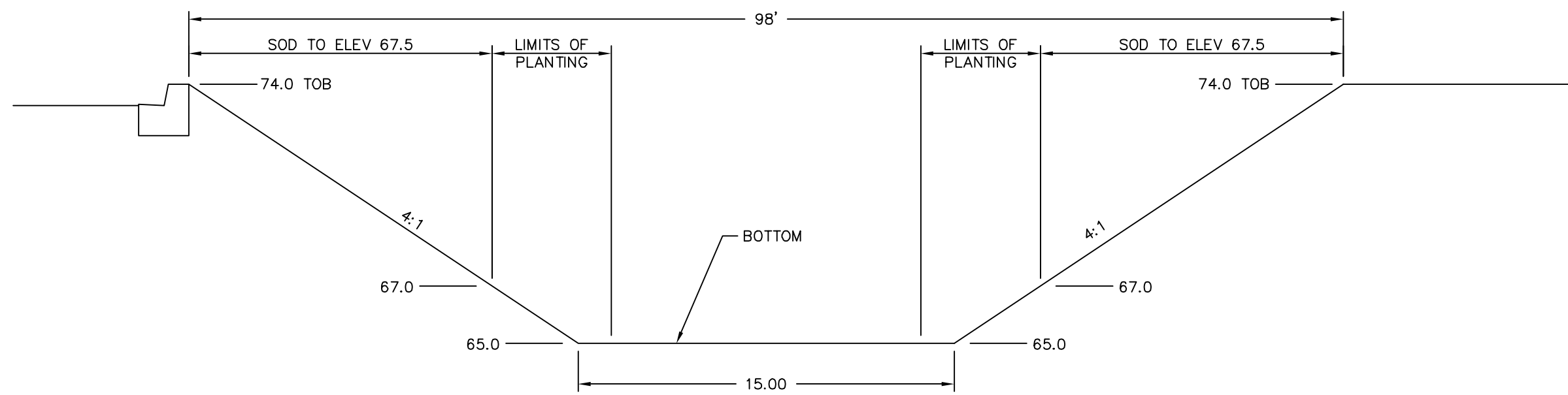


TYPICAL TYPE "I" TYPE CURB SECTION

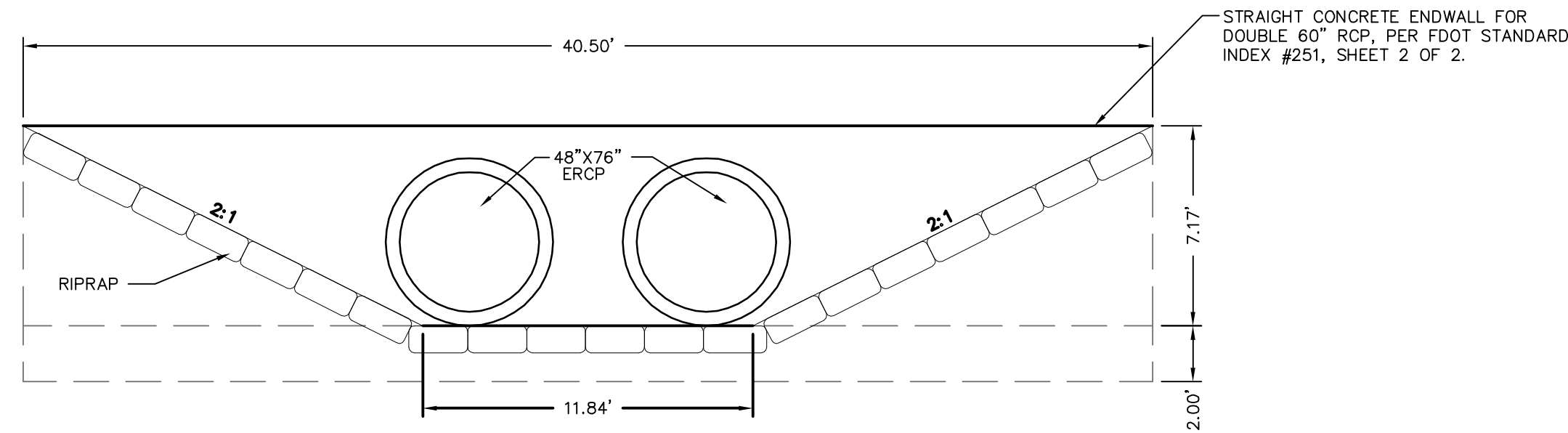
SEE PAVING, GRADING & DRAINAGE SHEETS FOR LOCATIONS OF TYPE "I" CURB



CHANNEL "A" (NORTH OF CORVINA ROAD)
TYPICAL SECTION

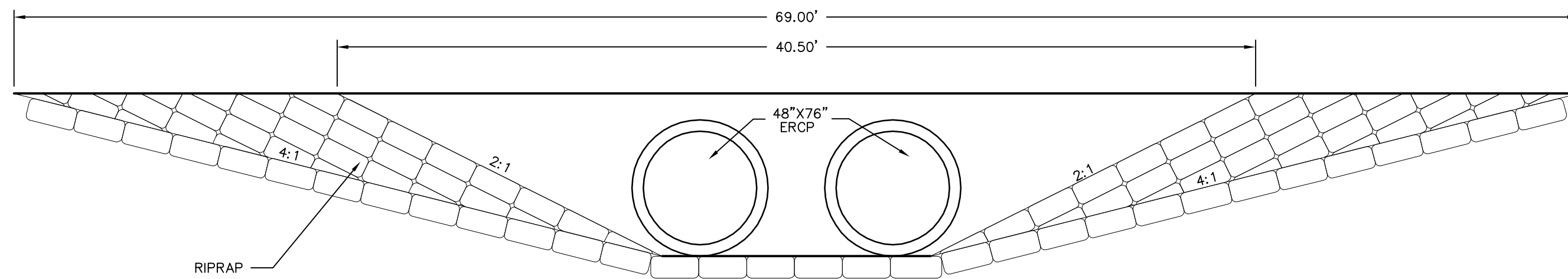


CHANNEL "A" (FROM COUNTRYSIDE BLVD. TO CORVINA RD.)
TYPICAL SECTION



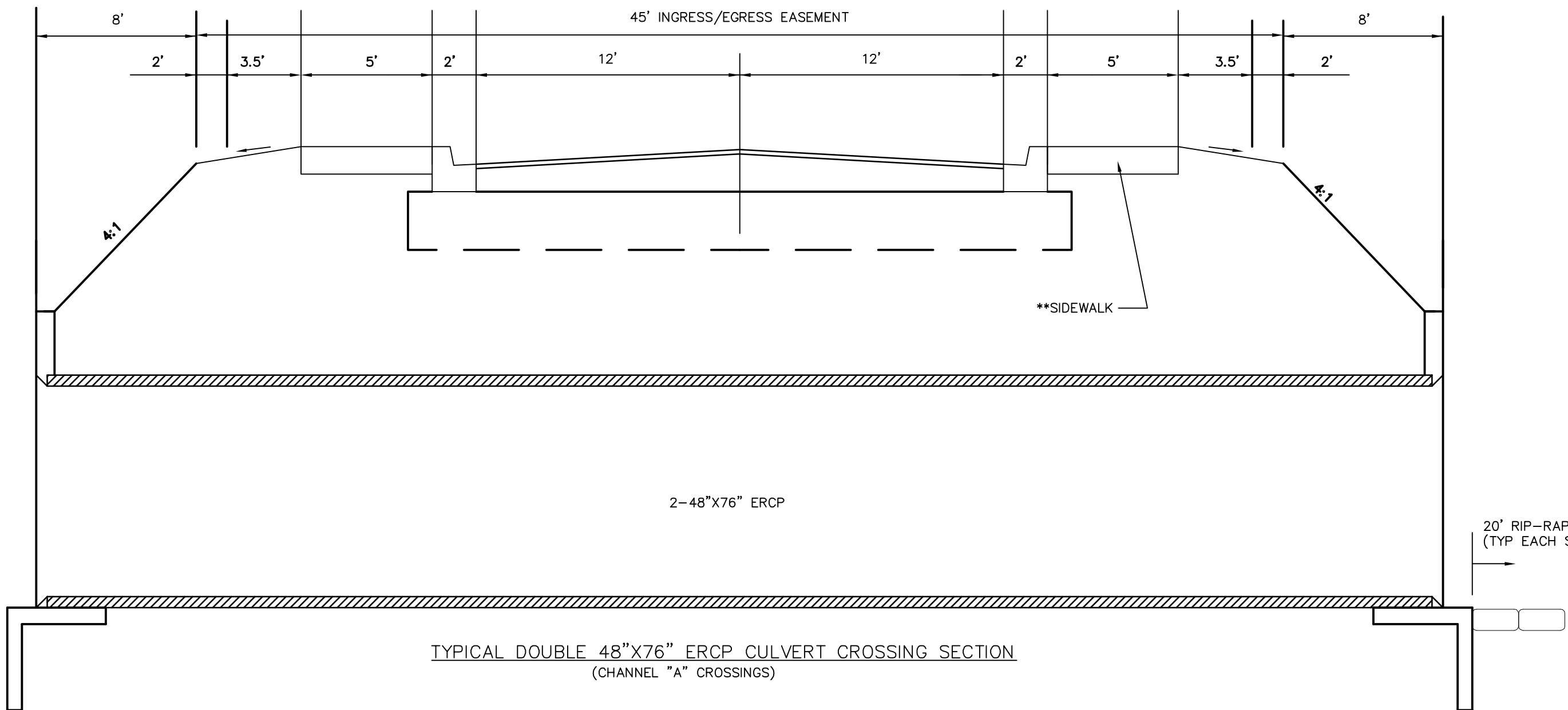
DETAIL OF RIP-RAP TRANSITION AT CONCRETE ENDWALL
HOR: 1"=5' VER: 1"=5'

A
19



DETAIL OF RIP-RAP TRANSITION 20 FT AWAY FROM CONCRETE ENDWALL
HOR: 1"=5' VER: 1"=5'

B
19

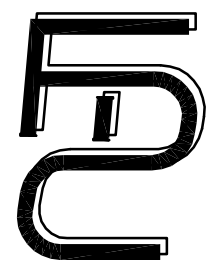


TYPICAL DOUBLE 48"X76" ERCP CULVERT CROSSING SECTION
(CHANNEL "A" CROSSINGS)

- * UTILITY STRIP TO ACCOMMODATE: POWER, TELEPHONE, CATV, IRRIGATION, ETC. (BUILDER WILL COORDINATE INSTALLATION WITH SERVICE PROVIDERS)

** SIDEWALK WILL BE PROVIDED ON ONE SIDE OF THE STREET, ONLY

DESIGNED O.C./J.B.	THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.
DRAWN J.S.	
CHECKED E.M.	
Q.C.	



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E.B. No. 7421

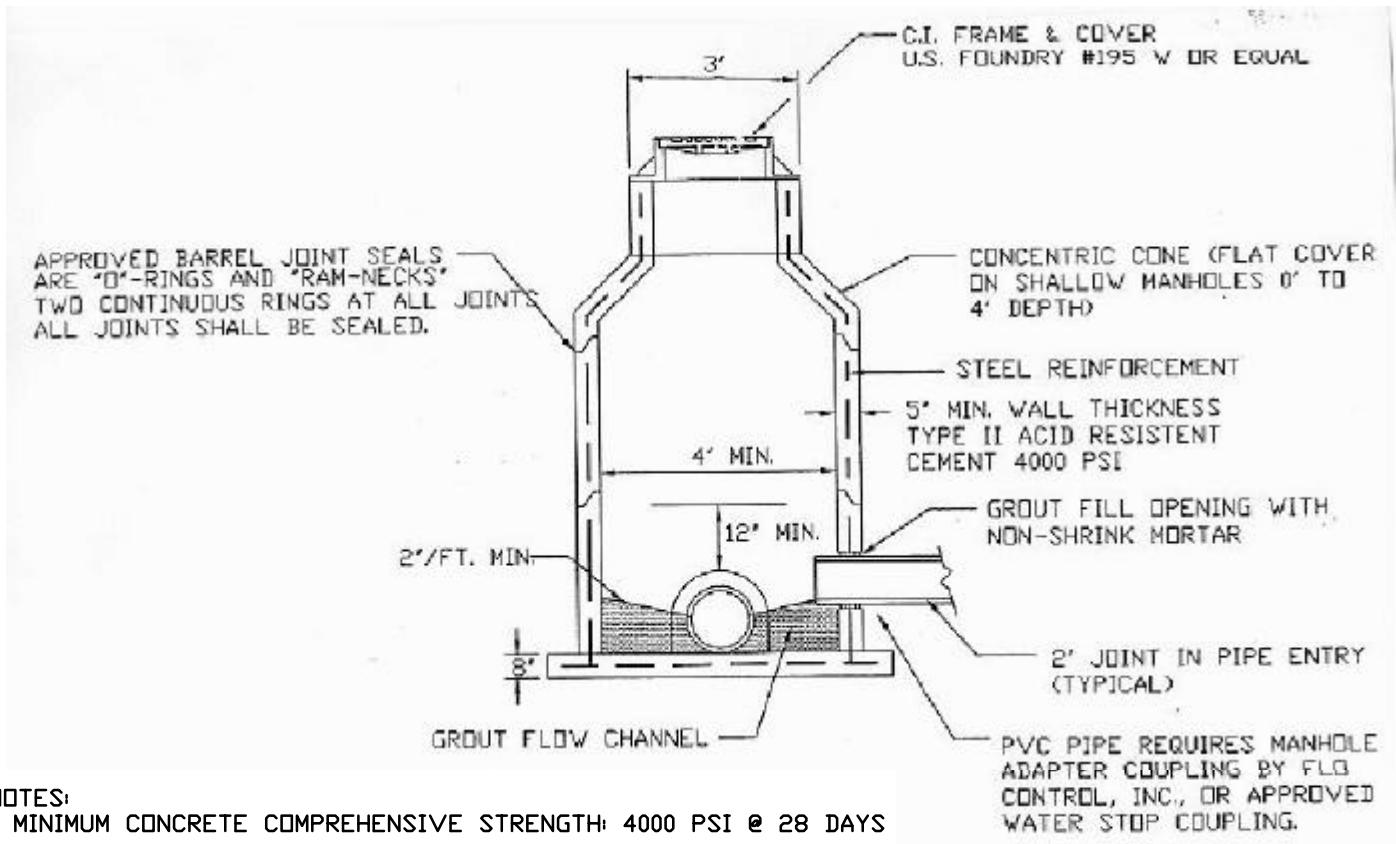
PREPARED FOR:

BEAZER HOMES TAMPA DIVISION
2630 SOUTH FAULKENBURG ROAD, SUITE A
RIVERVIEW, FLORIDA 33569
PHONE: 813-663-9002 FAX: 813-663-9493

SHEET DESCRIPTION:

COSTA VERDE AT COUNTRYSIDE
PAVING AND DRAINAGE DETAILS

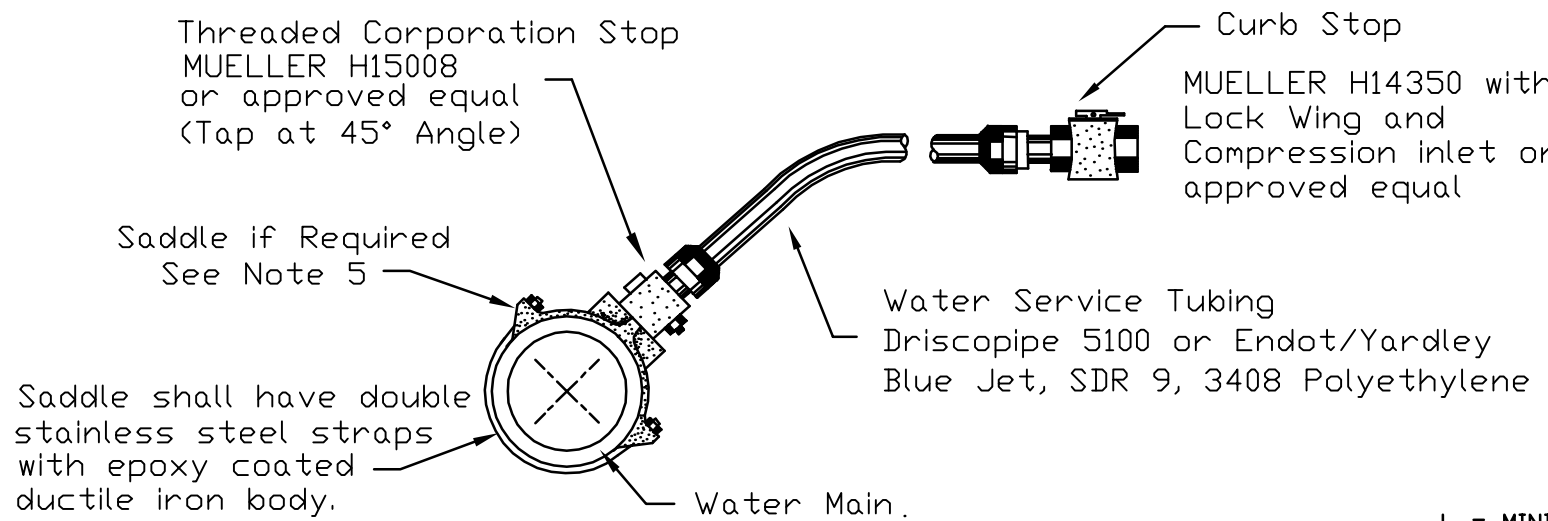
			JOB NO. 282-02	
			EPN 169	
			F.B. & P.C.	SHT. 34A
2	04/21/06	REVISED PER CITY COMMENTS		
1	8/16/05	REVISED PER CITY COMMENTS		
NO.	DATE	REVISIONS	DATE 10-22-04	BY 35



- NOTES:
1. MINIMUM CONCRETE COMPREHENSIVE STRENGTH 4000 PSI @ 28 DAYS
 2. DESIGN LOADING H-20
 3. BASE SECTION IS MONOLITHIC
 4. MANHOLES SHALL HAVE AN INTERIOR AND EXTERIOR COATING PER CITY OF CLEARWATER STANDARDS
 5. IN ACCORDANCE WITH CITY OF CLEARWATER CONTRACT SPECIFICATIONS AND STANDARDS INDEX #301, THE MANHOLE COVER FOR MH-31 MUST HAVE THE WORDS "CITY OF CLEARWATER" ON IT.
 6. 8" SLAB TO BE EITHER PRECAST OR POURED IN PLACE UNDER EXISTING SEWER LINE PRIOR TO INSTALLATION OF MANHOLE.

DOGHOUSE MANHOLE DETAIL (MH-31)
NTS

- NOTES:
1. WATER MAINS TO BE ON NORTH OR EAST SIDE OF R.O.W., APPROX. 4 FT. BACK OF CURB UNLESS OTHERWISE AUTHORIZED BY CITY ENGINEER.
 2. SERVICE CONNECTIONS TO BE 2 FT. FROM SIDE LOT LINE ON EITHER SIDE OF LOT (SEE SHEET NO. 3). THESE SERVICES TO BE CONSISTANT WITHIN THE SUBDIVISION. DRIVEWAYS SHALL NOT BE BUILT OVER METERS.
 3. ALL LINES SHALL BE CHLORINATED AND PRESSURE TESTED (TEST FOR ONE HOUR @ 150 P.S.I.) UNDER THE DIRECTION OF THE UTILITIES DEPARTMENT, AFTER SUCCESSFUL COMPLETION OF THE TESTING AND CHLORINATION, THE PRESSURE SHALL REMAIN ON THE SYSTEM AT ALL TIMES.
 4. TEN FT. SEPARATION REQUIRED BETWEEN PARALLEL WATER & SANITARY SEWER LINES.
 5. SADDLE IS REQUIRED FOR ALL SERVICE CONNECTIONS TO 4" PVC MAINS. SADDLE IS REQUIRED FOR 2" SERVICE CONNECTIONS TO 6" and LARGER PVC MAINS. LARGEST SERVICE CONNECTION TO A 4" MAIN IS 1 1/2" and LARGEST TO ANY MAIN IS 2".
 6. MINIMUM DISTANCE BETWEEN SERVICE TAPS TO BE NOT LESS THAN 36".



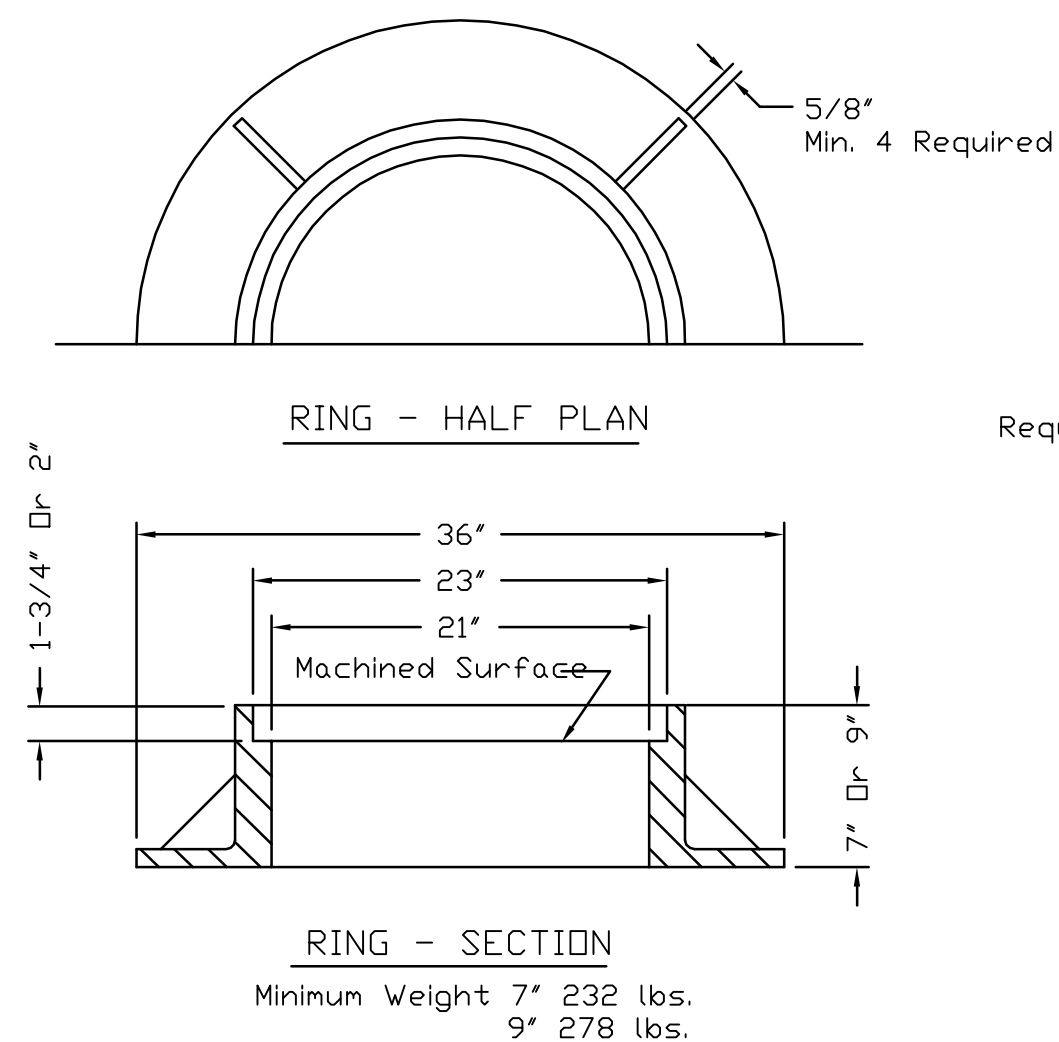
WATER MAIN SERVICE CONNECTION DETAIL
NTS CITY OF CLEARWATER INDEX NO. 401

- THE FOLLOWING JOINTS MUST BE RESTRAINED IN ALL APPLICATIONS:
1. BEND - INLET AND OUTLET
 2. TEE - ALL BRANCHES
 3. OFFSETS - INLET AND OUTLET
 4. CAPS
 5. PLUGS
 6. DEAD ENDS
 7. HYDRANT RUNOUTS SHALL BE RESTRAINED AS DEAD ENDS

ON ALL TEES, A MINIMUM OF 9' SHALL BE RESTRAINED ON EACH RUN LEG.
L = MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF FITTING (ft.)
★ = CONTACT ENGINEER FOR VALUES
FIGURES BASED ON 30\"/>

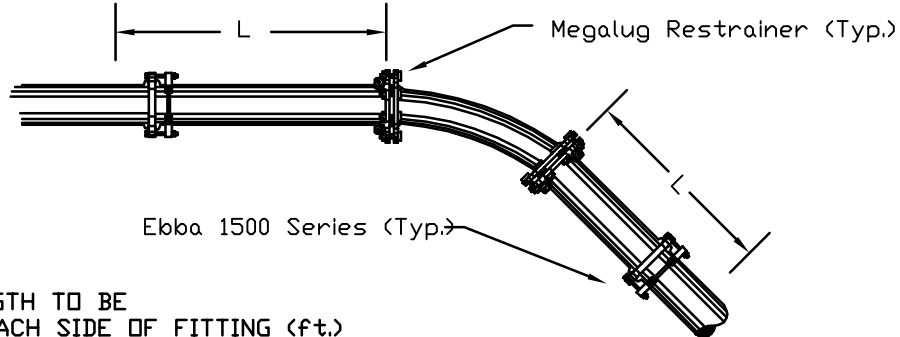
NOM. SIZE	ELBOWS (deg.)				VALVE TEES BRANCH	DEAD END
	11.25"	22.50"	45°	90°		
4	2	3	7	17	18	30
6	2	5	10	23	30	42
8	3	6	12	30	42	54
12	4	8	17	42	☆	76
16	5	10	22	53	☆	97
20	6	13	26	63	☆	117

DUCTILE IRON PIPE RESTRAINT
NTS CITY OF CLEARWATER INDEX NO. 403



- NOTES:
1. Where roadway base is 8" or thicker use 9" ring, all other cases 7" ring is permissible.
 2. Manufacturers model of storm ring and cover to be approved by City Engineer.

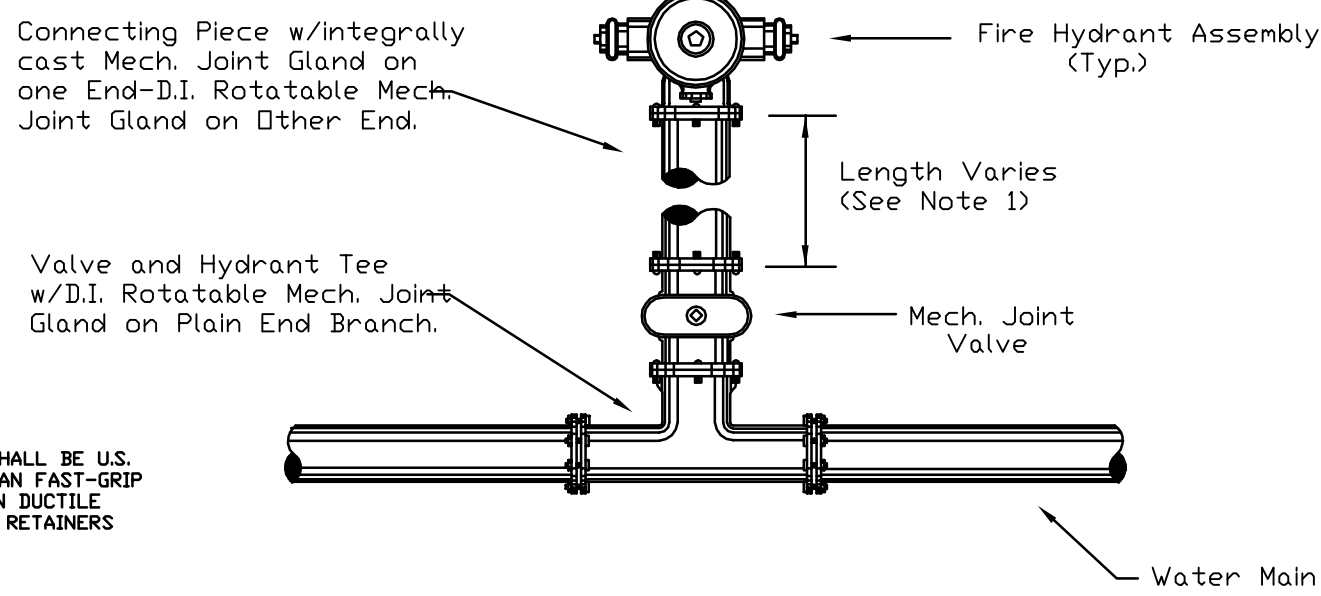
- THE FOLLOWING JOINTS MUST BE RESTRAINED IN ALL APPLICATIONS:
1. BEND - INLET AND OUTLET
 2. TEE - INLET AND OUTLET
 3. OFFSETS - INLET AND OUTLET
 4. CAPS
 5. PLUGS
 6. LAST TWO(2) JOINTS ON A DEAD END RUN (min. 36")
 7. LAST TWO(2) JOINTS ON A HYDRANT RUNOUT (min. 36")



NOM. PIPE SIZE	ELBOWS (deg.)	VALVE TEES
4	11.25	22.50
6	2	5
8	3	6
12	4	8
16	5	10
20	6	13

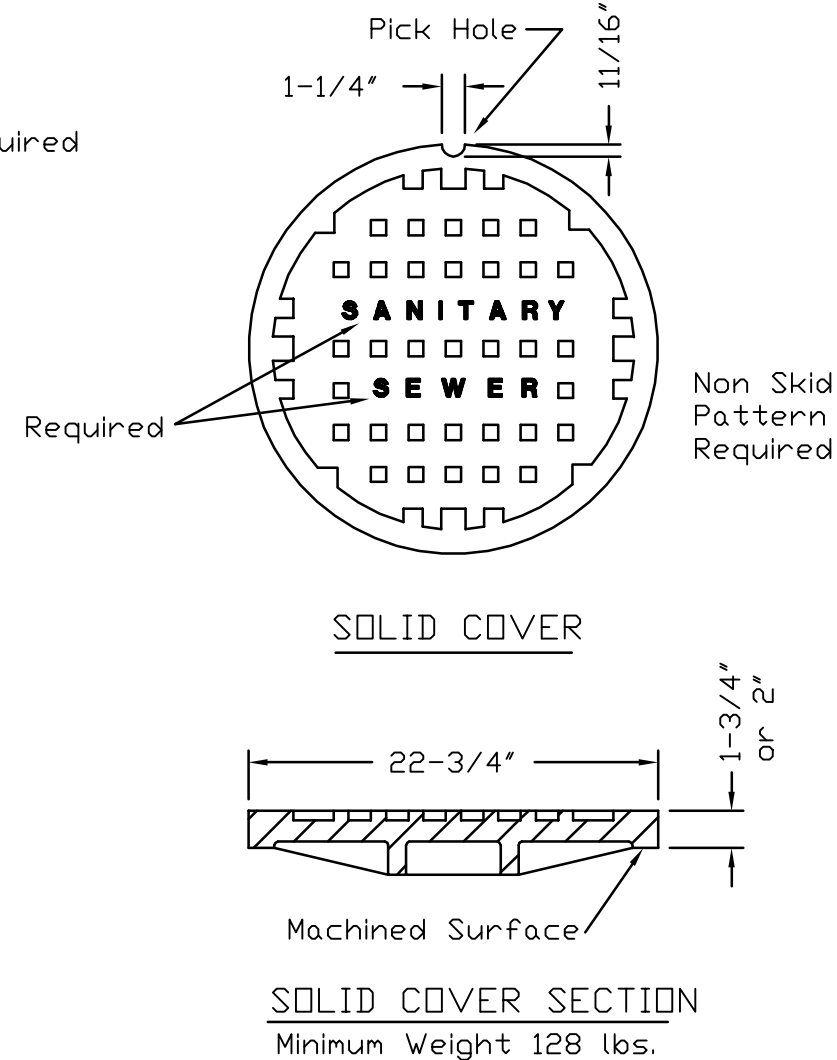
NOTE: THRUST RESTRAINT AT FITTINGS AND VALVES SHALL BE BY USE OF EBBA IRON MEGALUG RESTRAINTERS. THRUST RESTRAINT BETWEEN PIPE JOINTS SHALL BE BY EBBA IRON SERIES 1500 RESTRAINTERS.

PVC PIPE RESTRAINT
NTS CITY OF CLEARWATER INDEX NO. 403

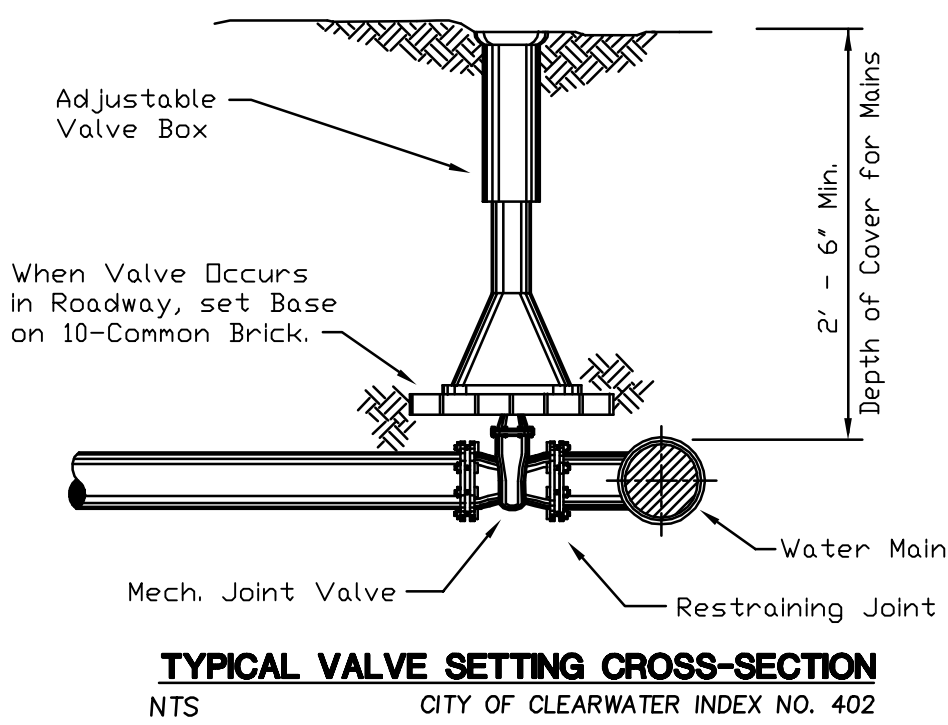


- NOTES:
1. On Hydrants Requiring Runout Last Two Joints Must Be Restrained Per Detail 403 (2 of 2).

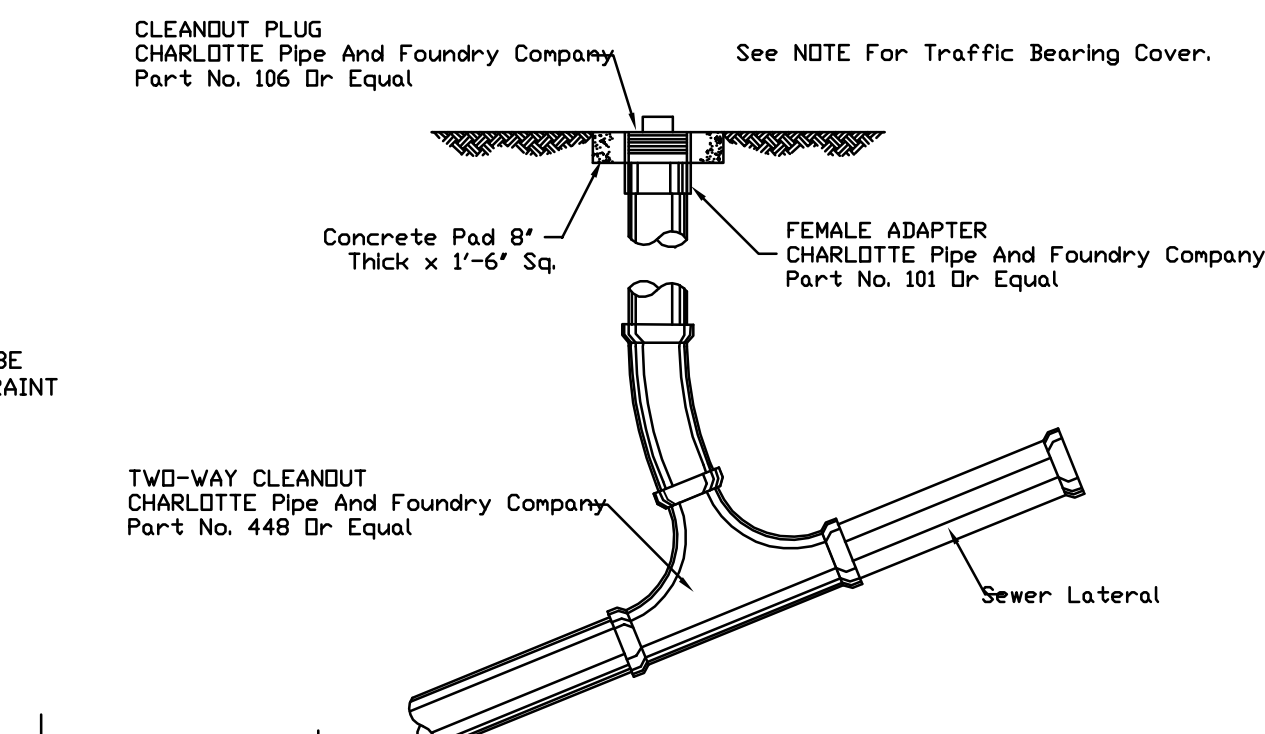
PLAN VIEW
NTS



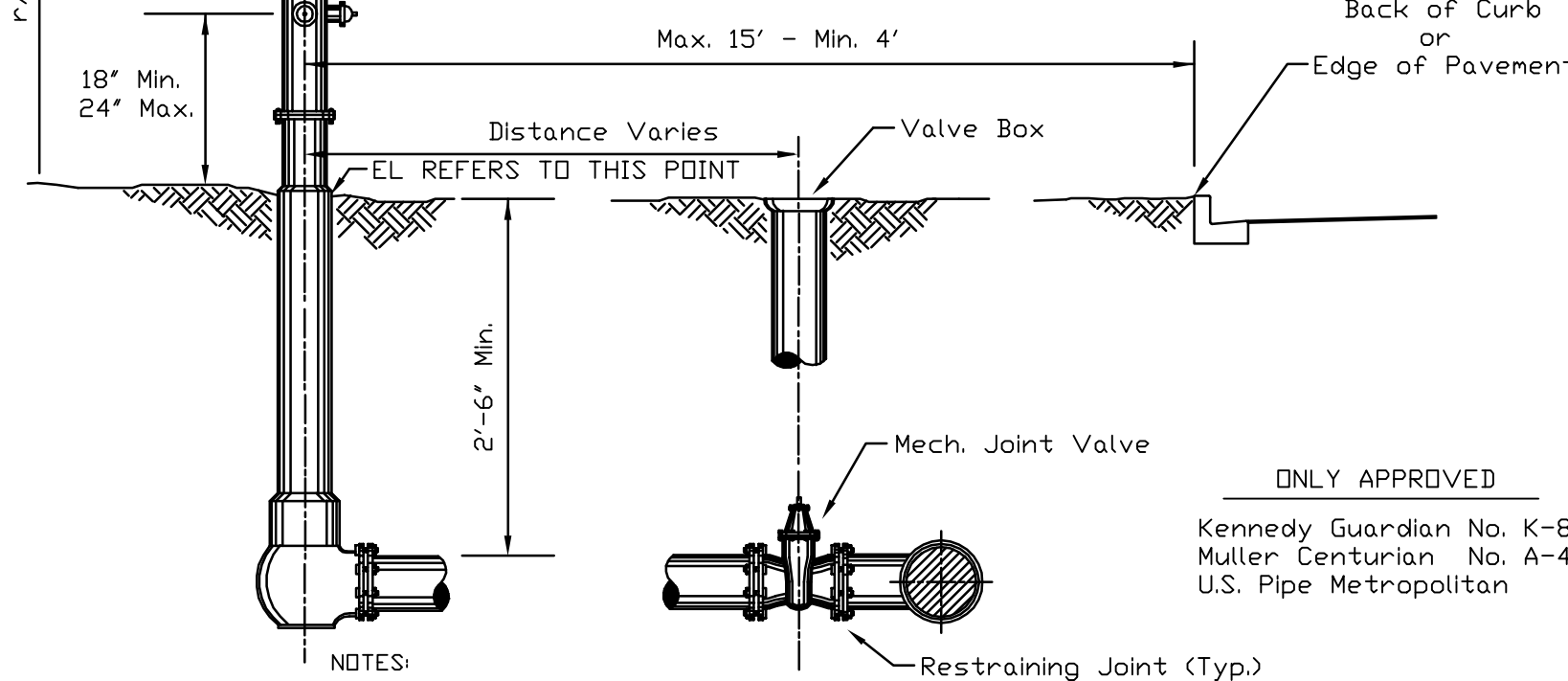
WITH THE EXCEPTION OF MH-31, ALL MANHOLE COVERS MUST NOT HAVE CLEARWATER FLORIDA ON THEM



TYPICAL VALVE SETTING CROSS-SECTION
NTS CITY OF CLEARWATER INDEX NO. 402

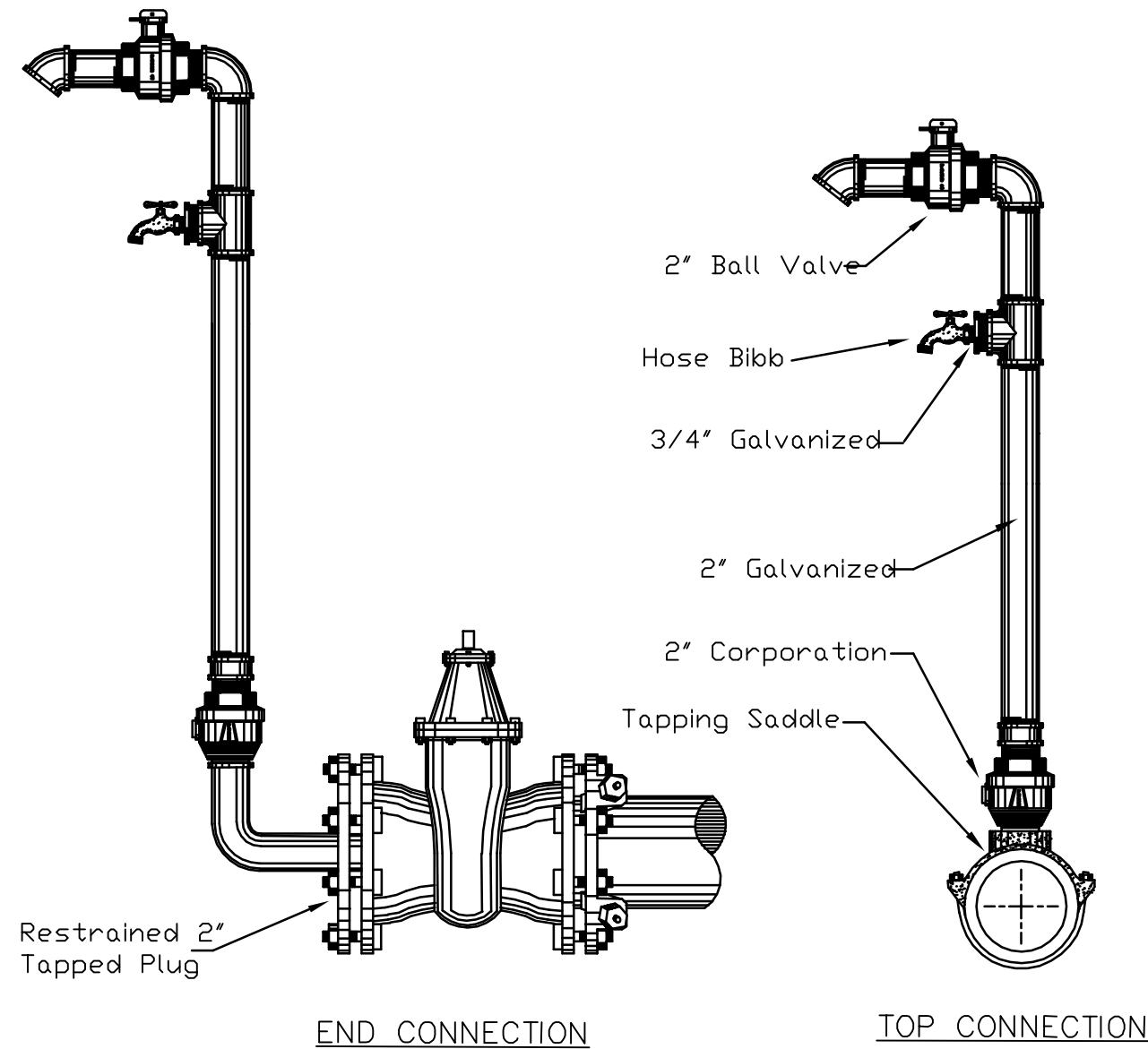


STANDARD CLEAN OUT DETAIL (SANITARY)
NTS CITY OF CLEARWATER INDEX NO. 304



- NOTES:
1. Steamer Connection to Face Street.
 2. All Fire Hydrants to have 5 1/4" Valve Seat.
 3. Fire Hydrants Shall be Placed at Street Corners or in the R.O.W. Adjacent to Side Lot Lines Whenever Possible.
 4. See Sheet 3 for Typical Connections & Fittings.
 5. All FHA's installed greater than 10ft from a water main shall be constructed with ductile iron pipe and shall have a gate valve at the Tee on the branch line at the FHA

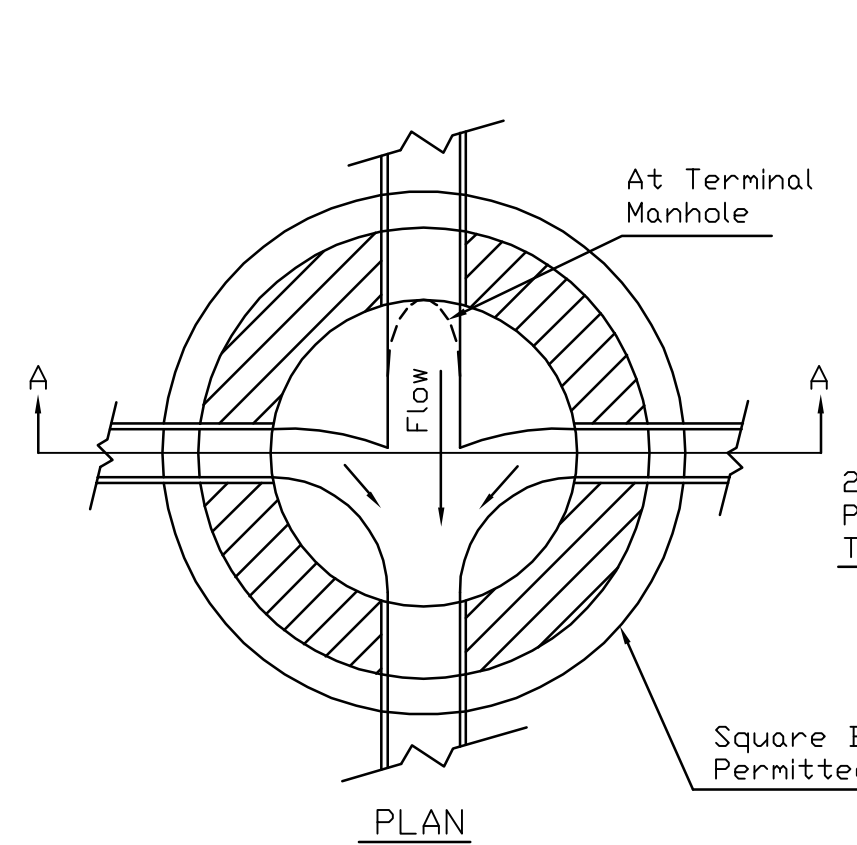
TYPICAL FIRE HYDRANT ASSEMBLY
NTS CITY OF CLEARWATER INDEX NO. 402



END CONNECTION

TOP CONNECTION

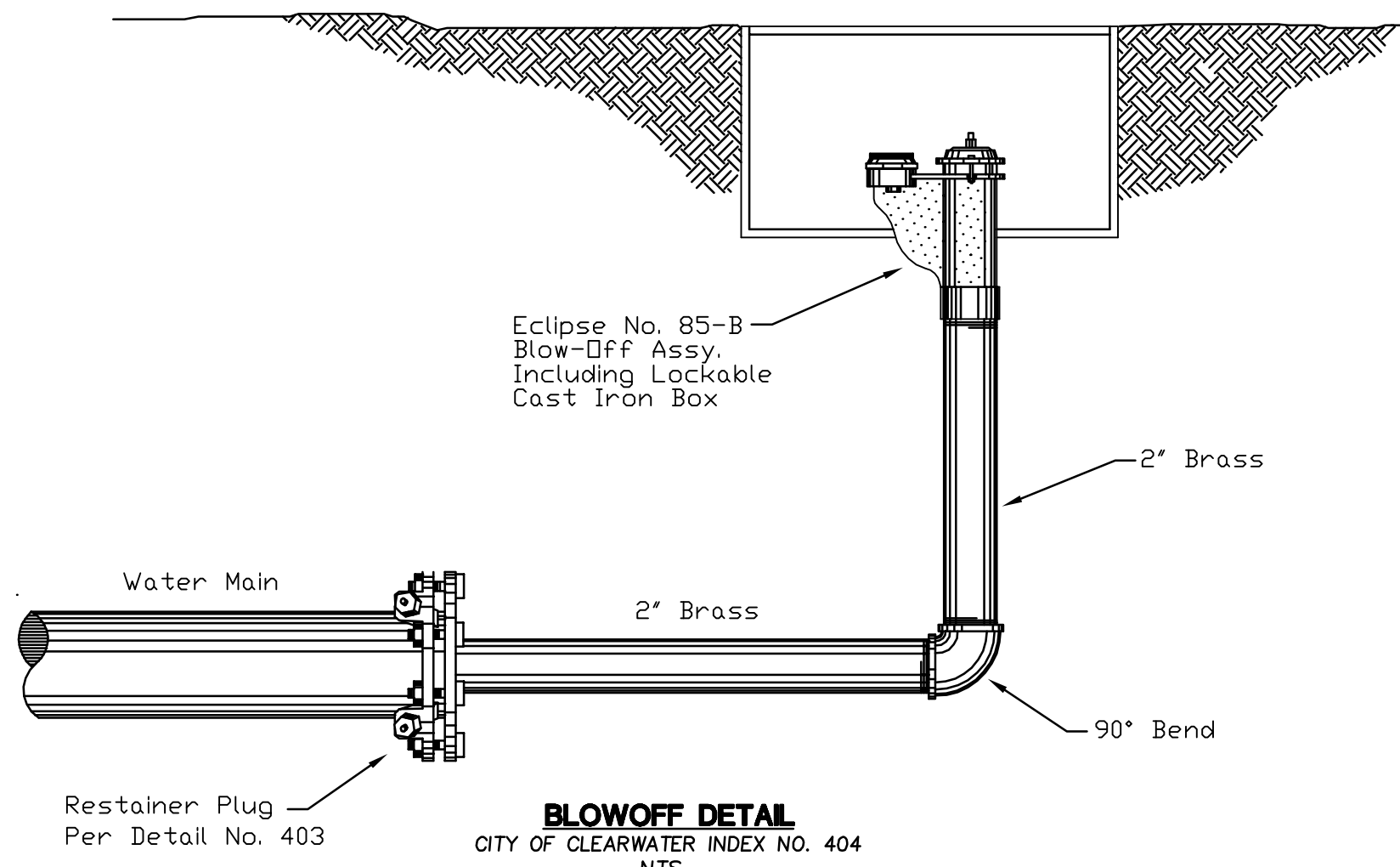
TEMPORARY BLOWOFF AND SAMPLE TAP
NTS CITY OF CLEARWATER INDEX NO. 408



	A	B	C	D	E	F	G
Shallow 0'- 4'	2'-6"		4' Max	3'-6"	24" Max	8"	#3 at 12" E.W.
Standard 4.1'- 6'	3'-6"		6' Max	4'	30" Max	8"	#5 at 10" E.W.
Deep 6.1'- 10'	3'-6"	7'	10'	4'	36" Max	12"	#5 at 10" E.W.
Deep 10.1'- 14'	3'-6"	7'	14'	5'	36" Max	12"	#5 at 10" E.W.

- NOTES:
1. All concrete to be 3000 p.s.i.
 2. P.V.C. pipe entry requires manhole adapter coupling by Flo Control Inc., or approved water stop coupling.
 3. Manholes shall have a water proof Bituminous Coating on the exterior & interior. Koppers bitumastic black solution 300M, or Proco EP-214.

SANITARY MANHOLE
NTS CITY OF CLEARWATER INDEX NO. 302



BLOWOFF DETAIL
CITY OF CLEARWATER INDEX NO. 404
NTS

DESIGNED O.C./J.B.	THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.
DRAWN J.S.	
CHECKED E.M.	
O.C.	



FLORIDA DESIGN CONSULTANTS, INC.
ENGINEERS, ENVIRONMENTALISTS, SURVEYORS & PLANNERS
3030 Starkey Blvd., New Port Richey FL 34655
Tel. (727) 849-7566 - Fax. (727) 849-3648

E.B. No. 7421

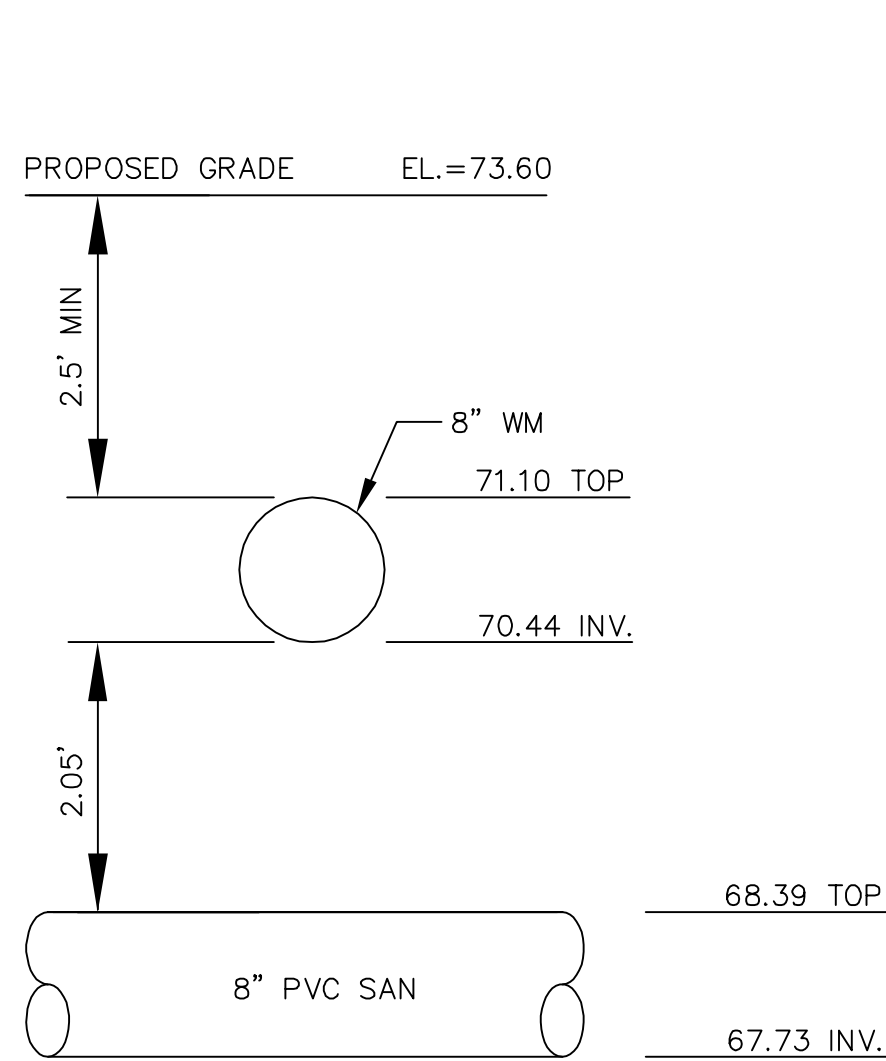
PREPARED FOR:

BEAZER HOMES TAMPA DIVISION
2630 SOUTH FAULKENBURG ROAD, SUITE A
RIVERVIEW, FLORIDA 33569
PHONE: 813-663-9002 FAX: 813-663-9493

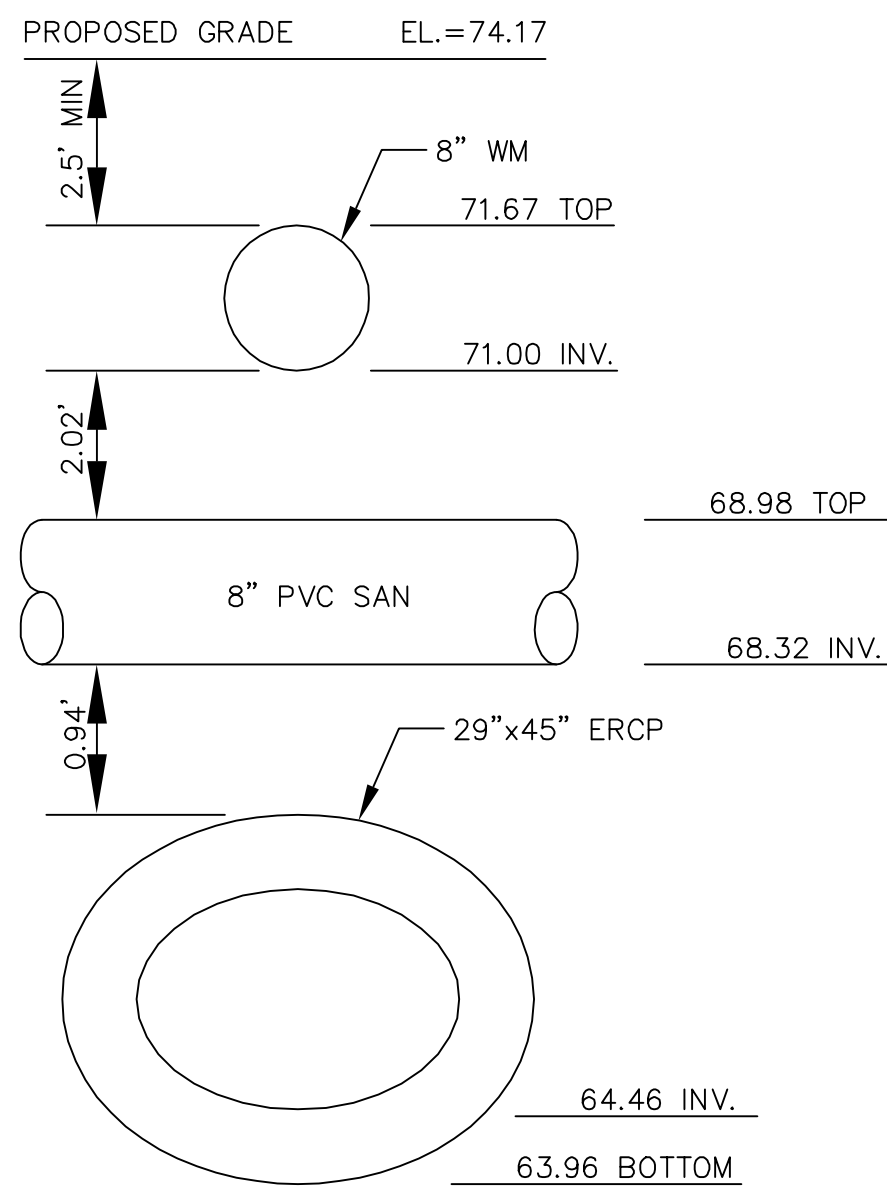
SHEET DESCRIPTION:

COSTA VERDE AT COUNTRYSIDE
UTILITY DETAILS

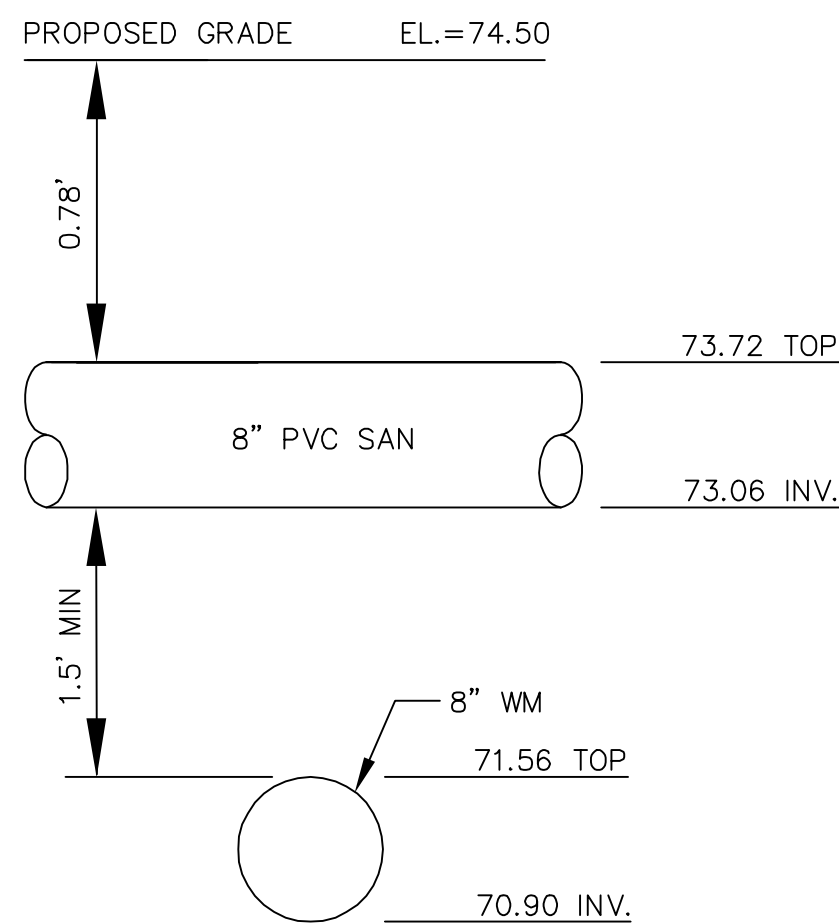
JOB NO. 282-02	DATE 04/21/06	REVISIONS	DATE 10-22-04
169	2	8/16/05	REVISED PER CITY COMMENTS
F.B. & P.K.	1	8/8/05	CLEAN OUT DETAIL UPDATED & NOTE 5 TO HYDRANT ASSEMBLY
35			



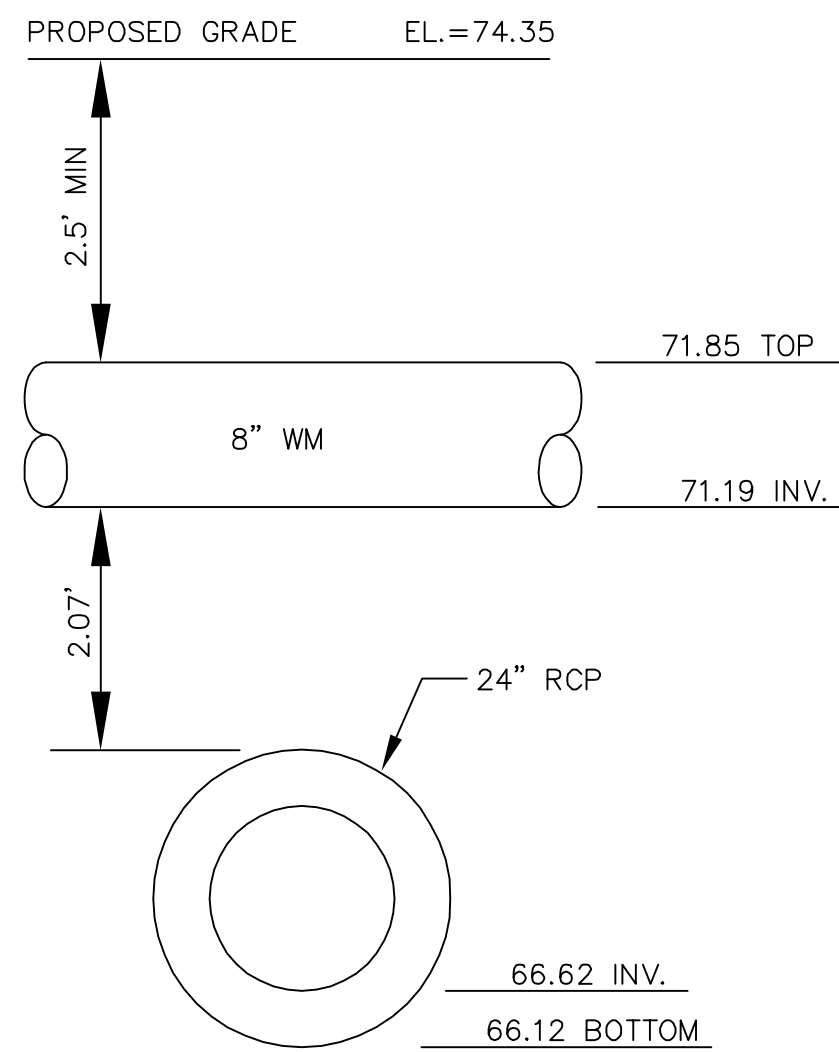
CROSSING DETAIL 15
NTS



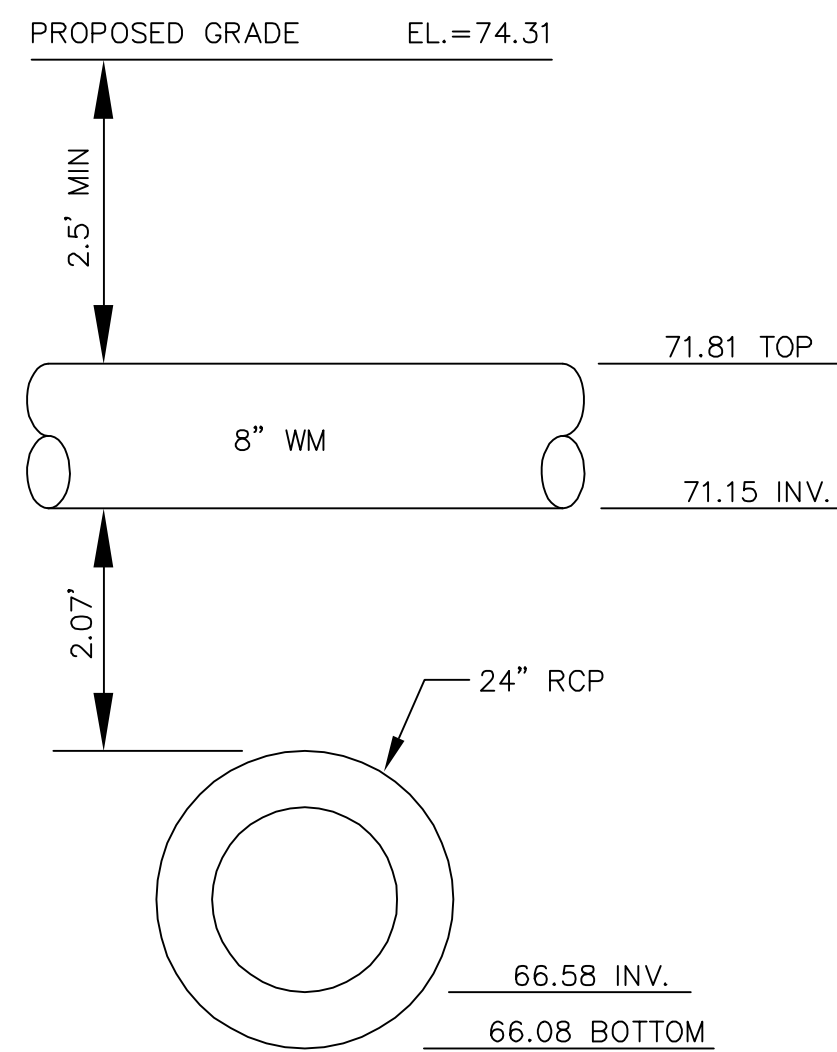
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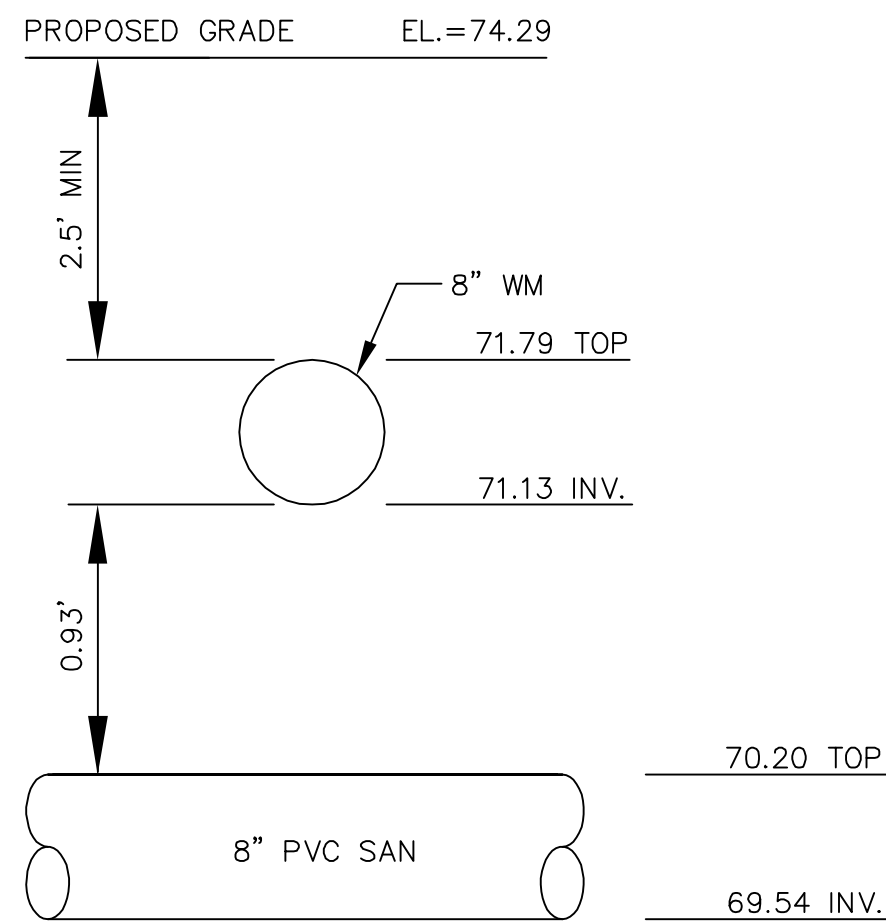
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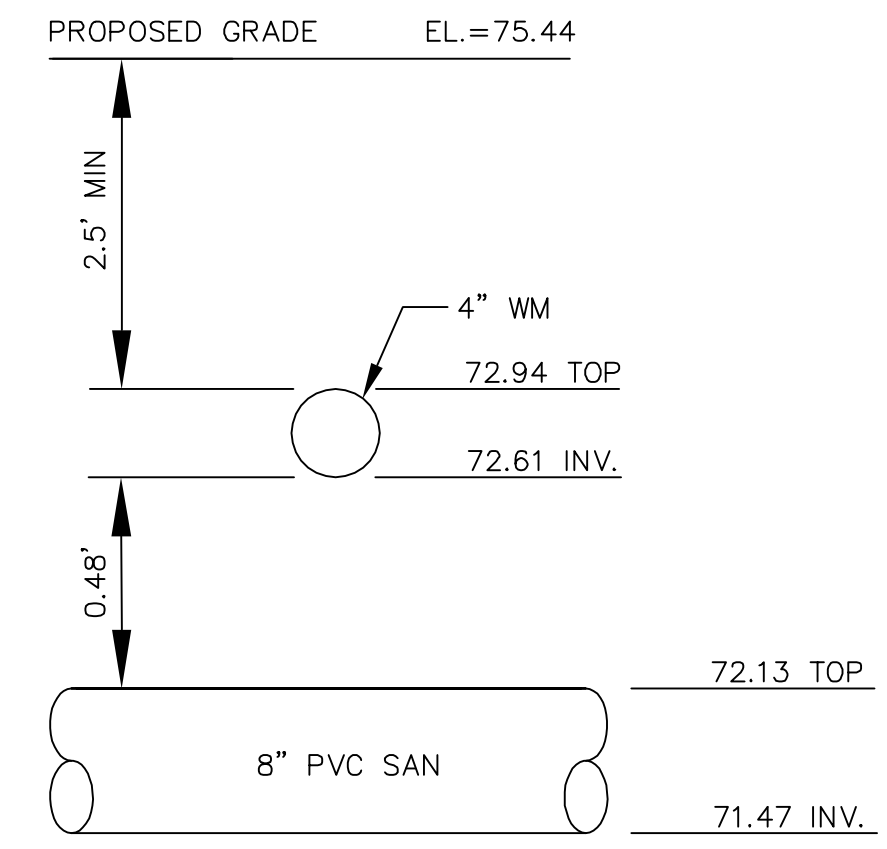
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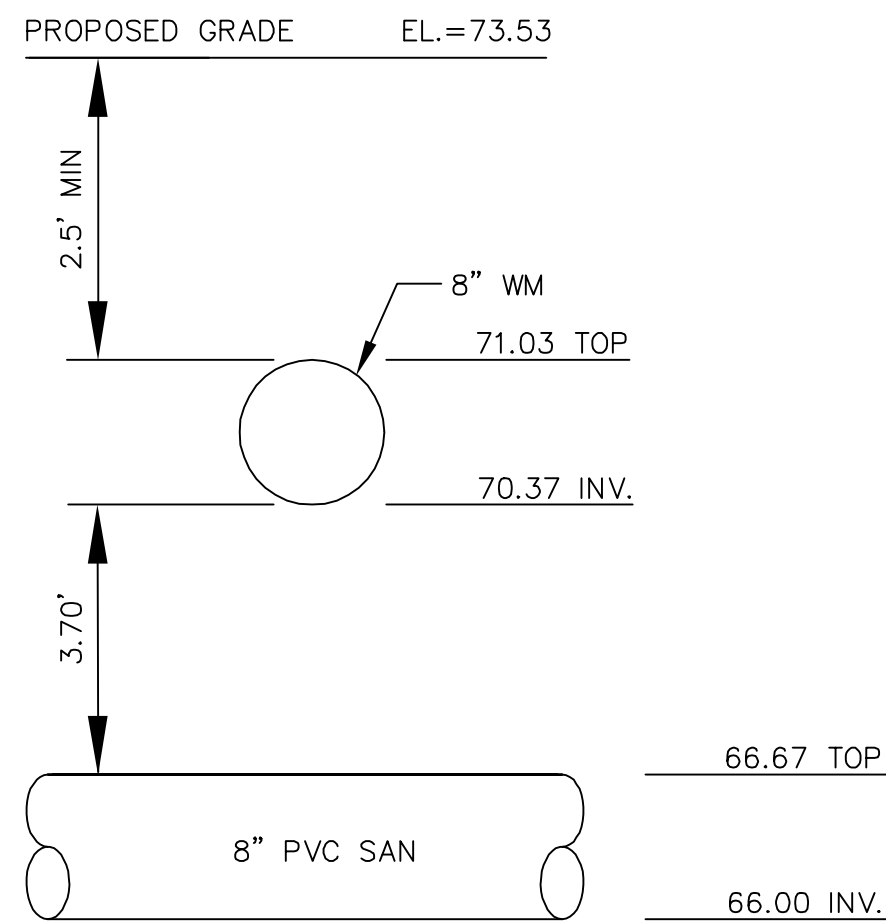
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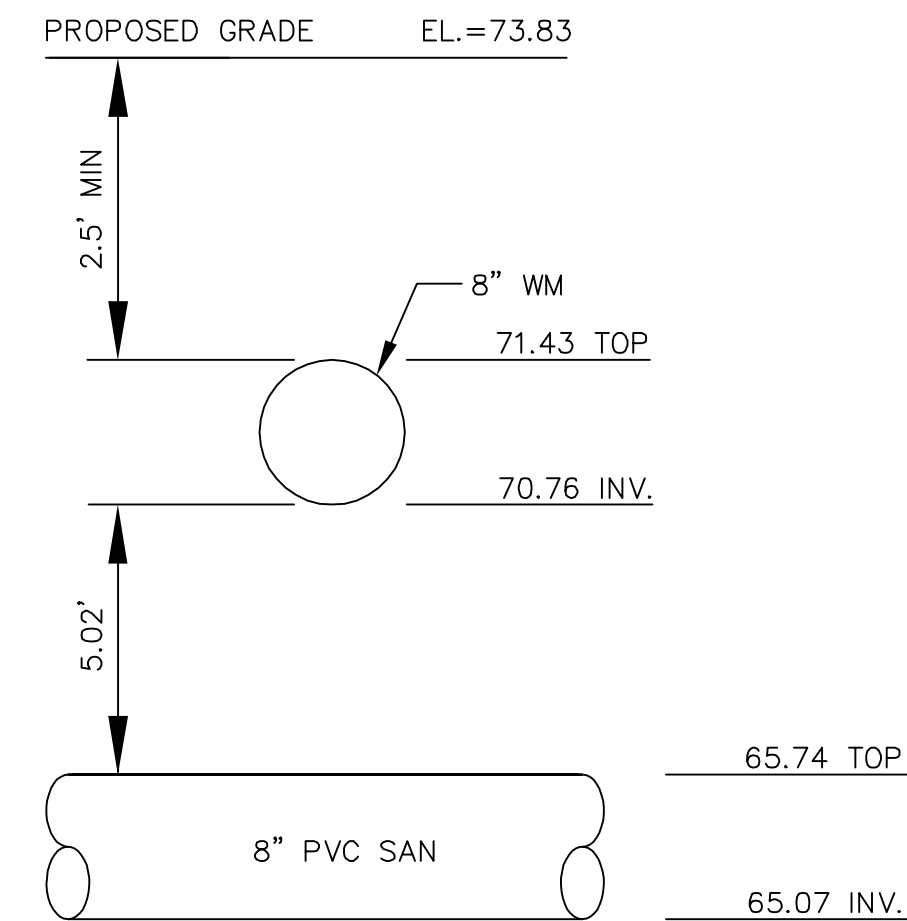
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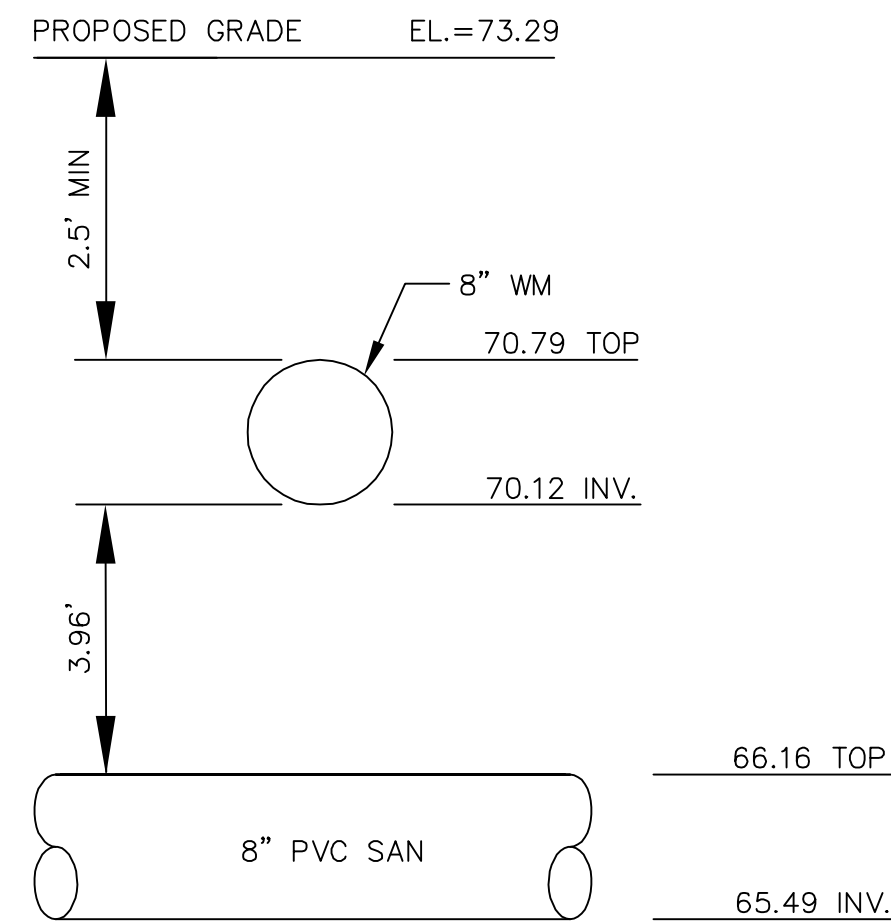
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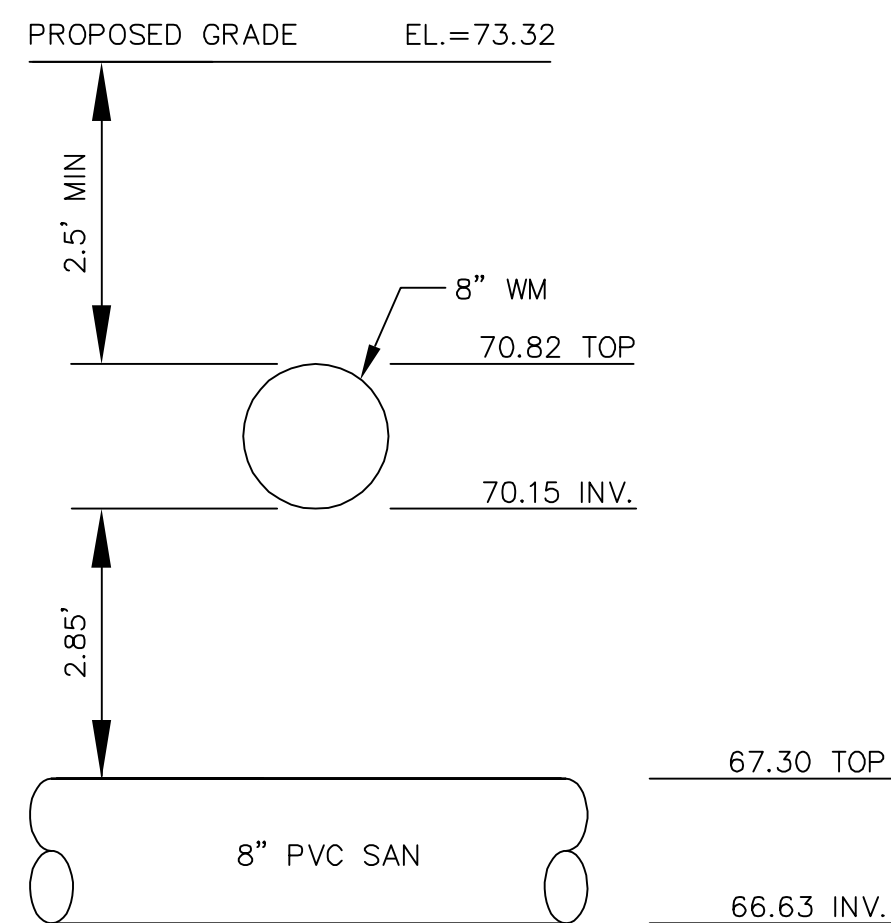
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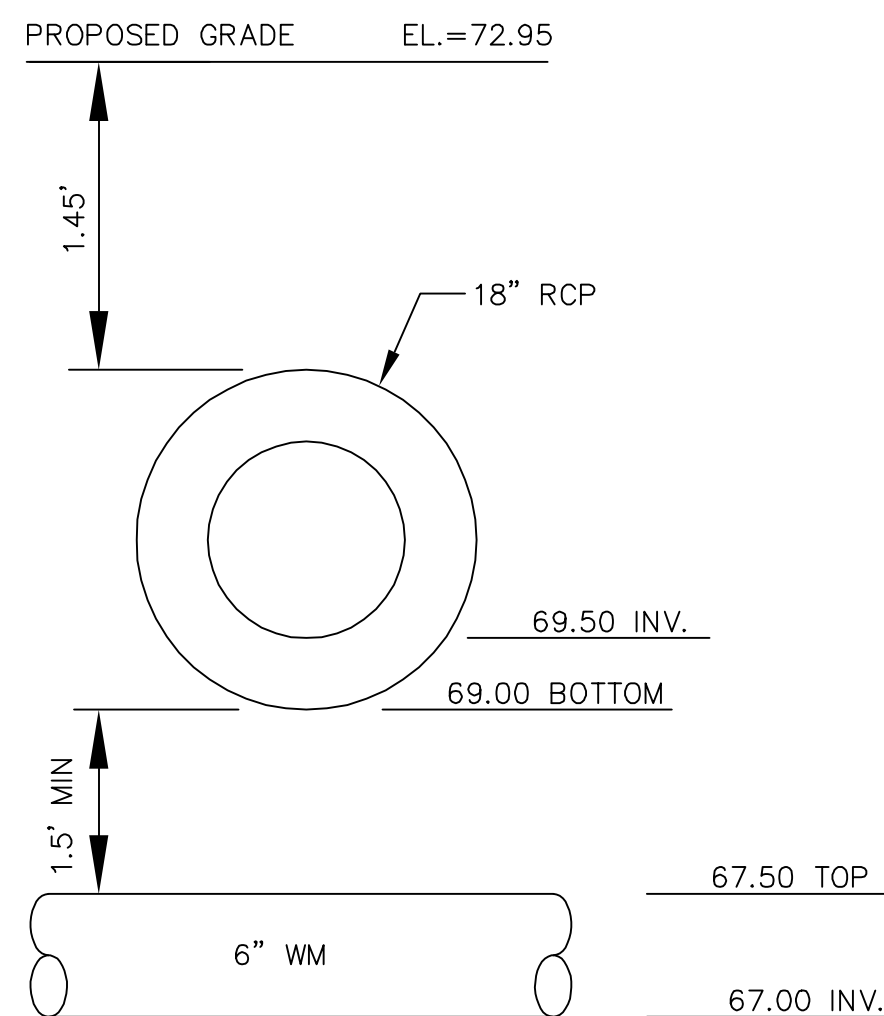
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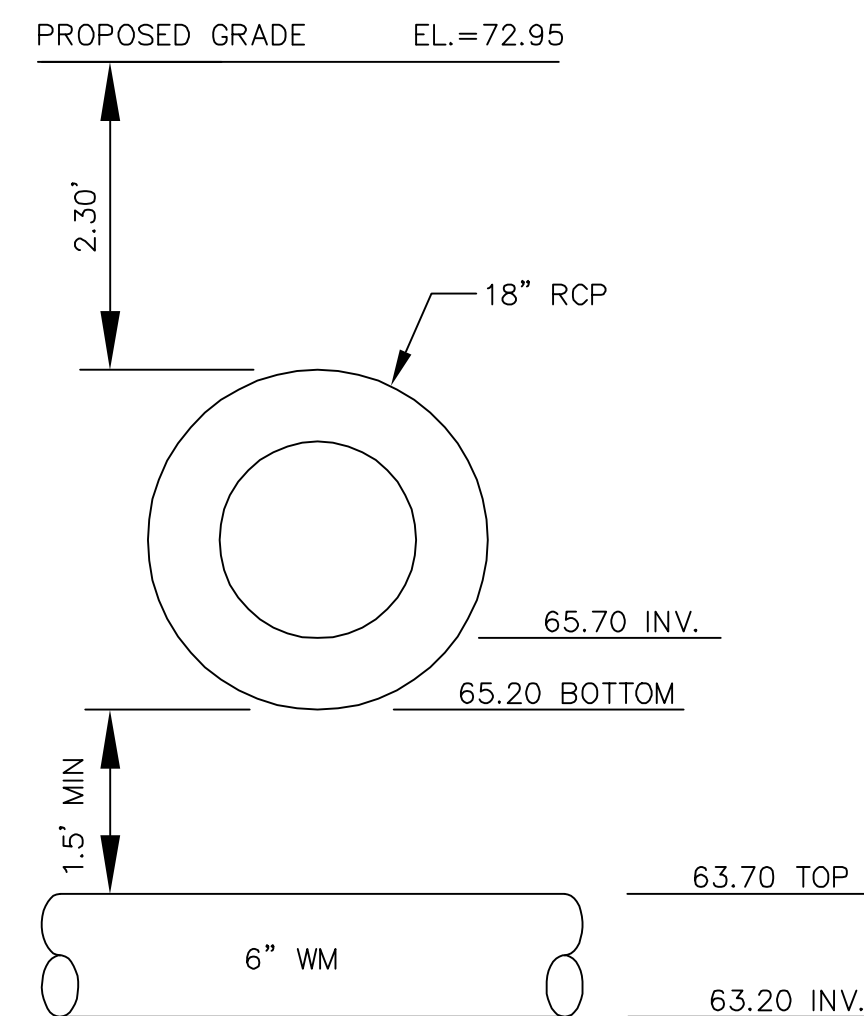
CROSSING DETAIL 24
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CROSSING DETAIL 25
NTS



CROSSING DETAIL 26
NTS



CROSSING DETAIL 27
NTS

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SHEET DESCRIPTION:
COSTA VERDE AT COUNTRYSIDE
UTILITY CROSSING DETAILS

			JOB NO. 282-02	SHT. 35B
			E.P.N. 169	
2	04/21/06	REVISED PER CITY COMMENTS		
1	04/18/06	REVISED PER CITY COMMENTS		
NO.	DATE	REVISIONS	APPROVED BY	DATE 10-22-04