

PROPOSED LAYOUT			PROPOSED ELEVATIONS:	
86	STORMTECH MC-3500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	14.00'	
8	STORMTECH MC-3500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	5.00'	
12	STONE ABOVE (in)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	7.50'	PREFABRICATED END CAP
9	STONE BELOW (in)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	7.50'	
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	7.50'	PREFABRICATED END CAP
16278	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE: TOP OF MC-3500 CHAMBER: 24" ISOLATOR ROW PLUS INVERT: 18" x 18" BOTTOM MANIFOLD INVERT:	7.00' 6.00' 2.42' 2.40'	FLAMP MANIFOLD CONCRETE STRUCTURE W/WEIR
4788	SYSTEM AREA (SF)	BOTTOM OF MC-3500 CHAMBER:	2.28'	
393.4	SYSTEM PERIMETER (ft)	BOTTOM OF STONE:	1.50'	

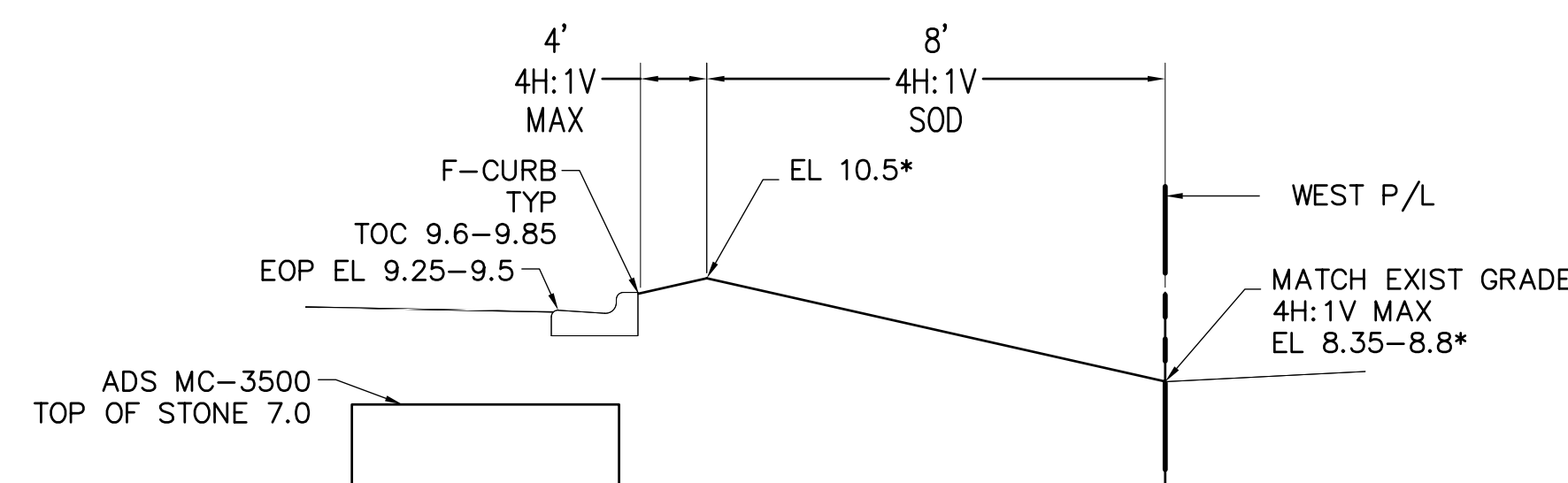
PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT	MAX FLOW
A	24" BOTTOM CORED END CAP, PART#: MC3500IEPP24BC / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS		2.06"	
B	18" BOTTOM CORED END CAP, PART#: MC3500IEPP18BC / TYP OF ALL 18" BOTTOM CONNECTIONS		1.77"	
C	INSTALL FLAMP ON 24" ACCESS PIPE / PART#: MCFLAMP			
D	18" x 18" BOTTOM MANIFOLD, ADS N-12		1.77"	
E	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)			16.5 CFS IN

LEGEND:

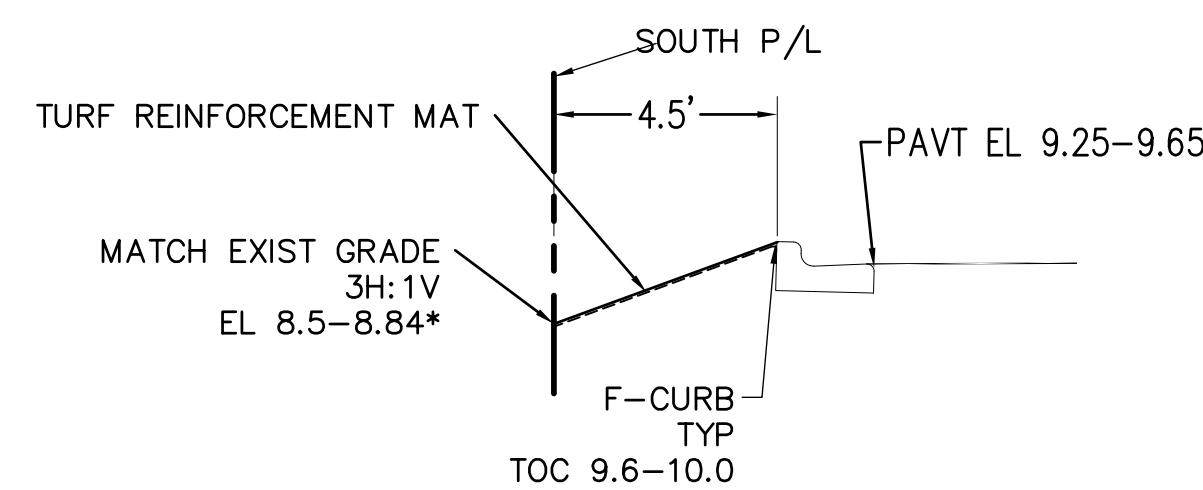
- [Hatched Box] ISOLATOR ROW PLUS (SEE DETAIL)
- [Cross-hatched Box] PLACE MINIMUM 17.50' OF ADSPPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS
- [Blue Line] BED LIMITS

NOTES:

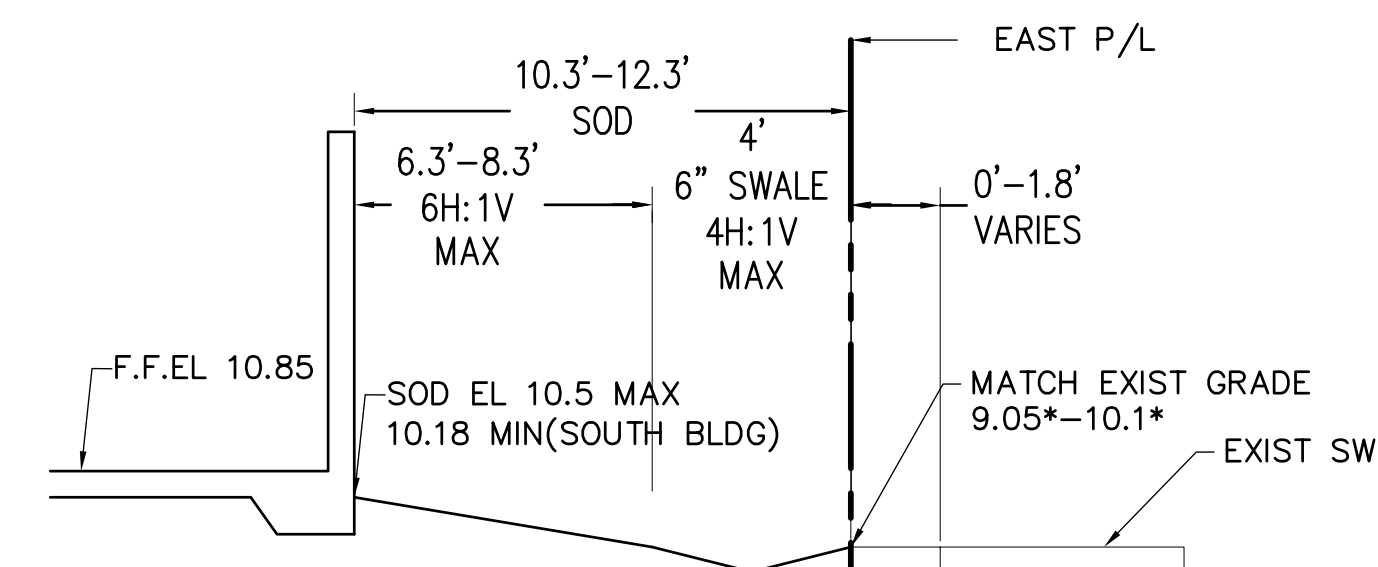
- * MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER, SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.
- * DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- * THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- * THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- * **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.



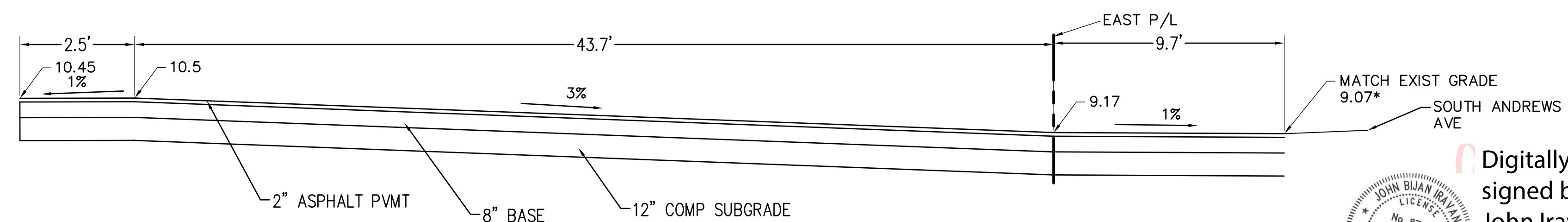
West Property Line Section



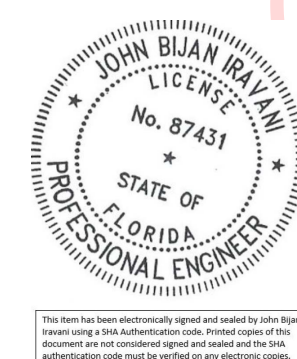
South Property Line
Section



East Property Line |
General Building Section



South Andrews AVE Driveway
Section



Digitally
signed by
John Irvani
Date:
2024.08.12
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Grading, Paving & Drainage Details				
DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
01/28/2023	NTS	JBI	JBI	2208-1411

SEAL


FR # 6986

SHEET NO.

C-8

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Pompano Beach, Florida

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