

## **EXHIBIT C**



**INVITATION TO BID  
41<sup>ST</sup> YEAR CDBG  
PUBLIC WORKS IMPROVEMENTS GRADING AND STORM DRAINAGE  
BLOCK GRANT PROJECT  
100 % SUBMITTAL DRAWINGS**

**PREPARED BY:  
CITY OF HALLANDALE BEACH  
PUBLIC WORKS DEPARTMENT  
CRAVEN, THOMPSON & ASSOCIATES, INC.  
AND PROCUREMENT DEPARTMENT**

41 YEAR CDBG (COMMUNITY DEVELOPMENT BLOCK GRANT)

PUBLIC WORKS IMPROVEMENT PROJECT

100% SUBMITTAL

CITY OF HALLANDALE BEACH

BROWARD COUNTY, FL

PROJECT LOCATION



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REV. #	DESCRIPTION	DATE
1	COVER SHEET	

LOCATION MAP

SECTION 21, TOWNSHIP 51 SOUTH, RANGE 42 EAST

PREPARED FOR:

CITY OF HALLANDALE BEACH



CRAVEN • THOMPSON AND ASSOCIATES, INC.  
ENGINEERS • PLANNERS • SURVEYORS  
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FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271  
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

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Matthew J. Cigale  
Florida P.E. No. 74584

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VERTICAL INFORMATION HEREON IS RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD88).

December 9, 2015  
CTA PROJECT NUMBER: 15-0079-001-01

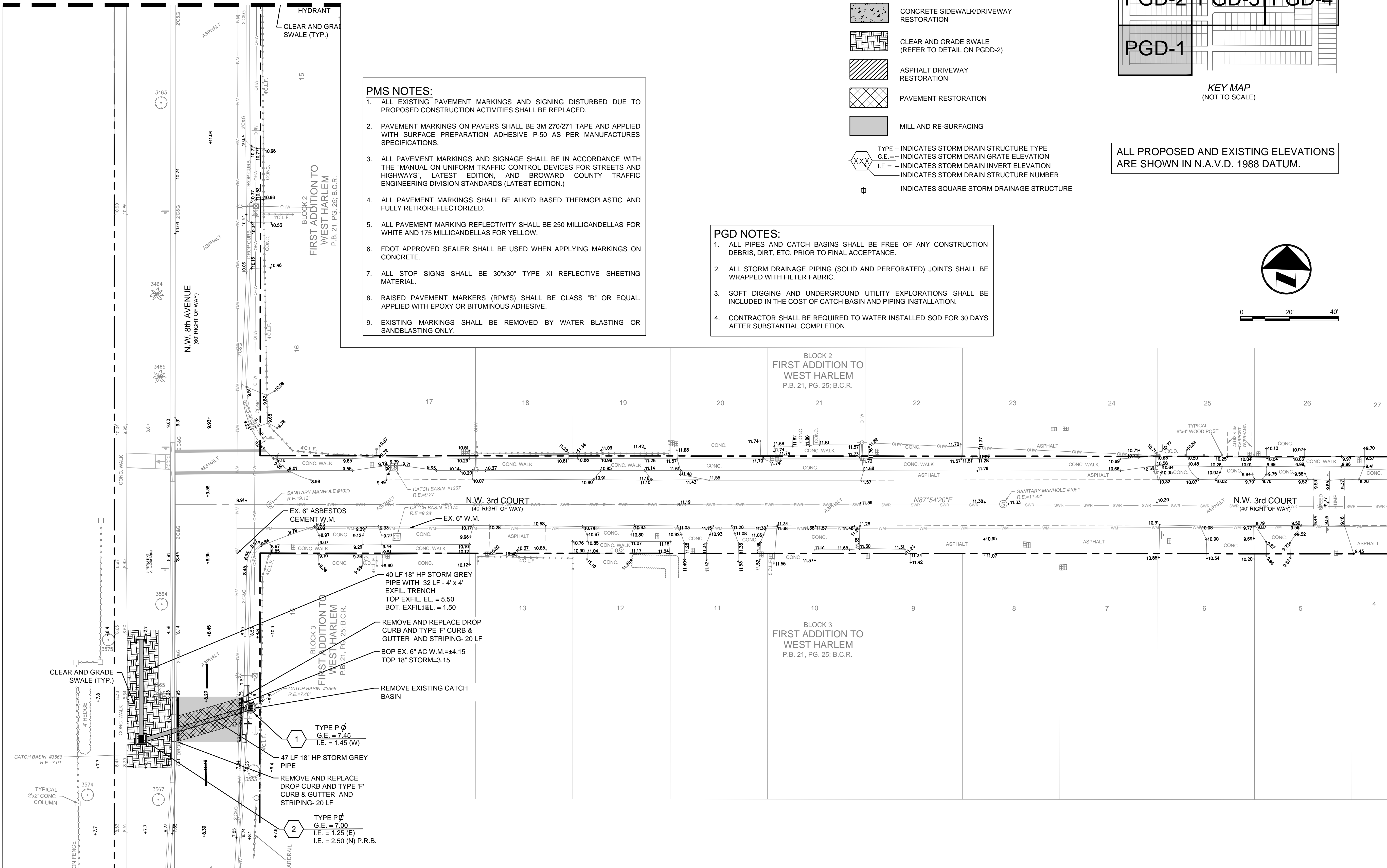




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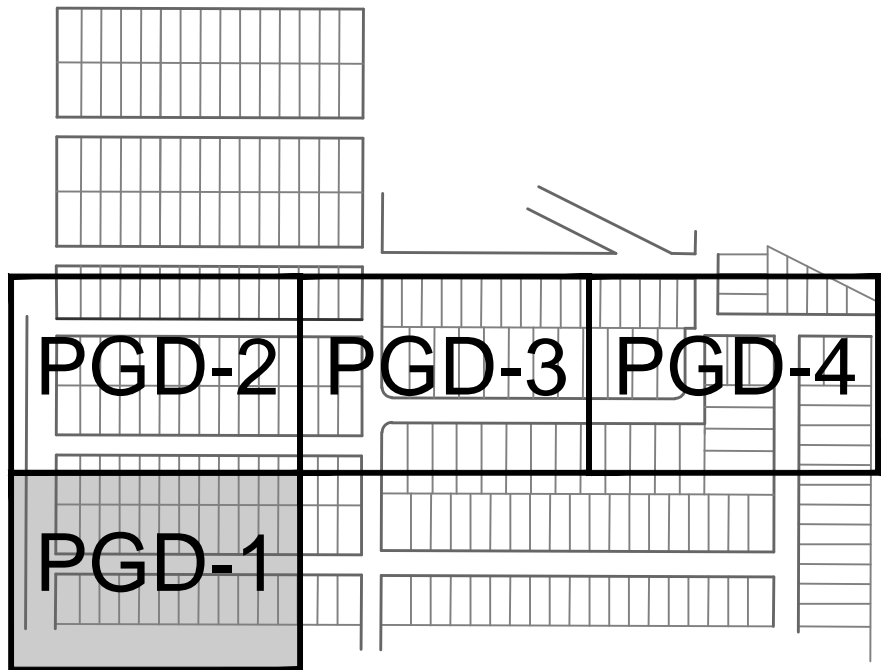
SEE SHEET PGD-2 FOR CONTINUATION



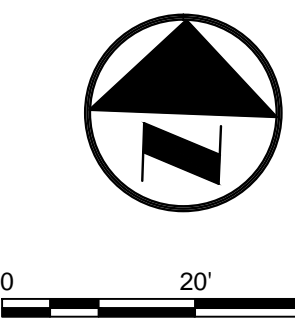
- PMS NOTES:**
1. ALL EXISTING PAVEMENT MARKINGS AND SIGNING DISTURBED DUE TO PROPOSED CONSTRUCTION ACTIVITIES SHALL BE REPLACED.
  2. PAVEMENT MARKINGS ON PAVERS SHALL BE 3M 270/271 TAPE AND APPLIED WITH SURFACE PREPARATION ADHESIVE P-50 AS PER MANUFACTURES SPECIFICATIONS.
  3. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION, AND BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS (LATEST EDITION.)
  4. ALL PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
  5. ALL PAVEMENT MARKING REFLECTIVITY SHALL BE 250 MILLICANDELLAS FOR WHITE AND 175 MILLICANDELLAS FOR YELLOW.
  6. FDOT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
  7. ALL STOP SIGNS SHALL BE 30"x30" TYPE XI REFLECTIVE SHEETING MATERIAL.
  8. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE CLASS "B" OR EQUAL, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
  9. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING OR SANDBLASTING ONLY.

- PGD NOTES:**
1. ALL PIPES AND CATCH BASINS SHALL BE FREE OF ANY CONSTRUCTION DEBRIS, DIRT, ETC. PRIOR TO FINAL ACCEPTANCE.
  2. ALL STORM DRAINAGE PIPING (SOLID AND PERFORATED) JOINTS SHALL BE WRAPPED WITH FILTER FABRIC.
  3. SOFT DIGGING AND UNDERGROUND UTILITY EXPLORATIONS SHALL BE INCLUDED IN THE COST OF CATCH BASIN AND PIPING INSTALLATION.
  4. CONTRACTOR SHALL BE REQUIRED TO WATER INSTALLED SOD FOR 30 DAYS AFTER SUBSTANTIAL COMPLETION.

- PROPOSED LEGEND:**
- DRAINAGE FLOW DIRECTION
  - 0.00 PROPOSED PAVEMENT ELEVATION
  - 0.00 PROPOSED CONCRETE ELEVATION
  - (T) INDICATES THERMOPLASTIC
  - PROPOSED CONCRETE SIDEWALK
  - CONCRETE SIDEWALK/DRIVEWAY RESTORATION
  - CLEAR AND GRADE SWALE (REFER TO DETAIL ON PGDD-2)
  - ASPHALT DRIVEWAY RESTORATION
  - PAVEMENT RESTORATION
  - MILL AND RE-SURFACING
  - TYPE — INDICATES STORM DRAIN STRUCTURE TYPE  
G.E. = — INDICATES STORM DRAIN GRATE ELEVATION  
I.E. = — INDICATES STORM DRAIN INVERT ELEVATION  
— INDICATES STORM DRAIN STRUCTURE NUMBER
  - INDICATES SQUARE STORM DRAINAGE STRUCTURE



ALL PROPOSED AND EXISTING ELEVATIONS ARE SHOWN IN N.A.V.D. 1988 DATUM.



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**41 YEAR CDBG  
PUBLIC WORKS  
IMPROVEMENT PROJECT**

PREPARED FOR:  
**CITY OF HALLANDALE BEACH**

**PAVING, GRADING & DRAINAGE**

Matthew J. Cigale  
Florida P.E. No. 74584

PROJECT NO.  
**15-0079-001-01**

**PGD-1**  
SHEET **3** OF **9**

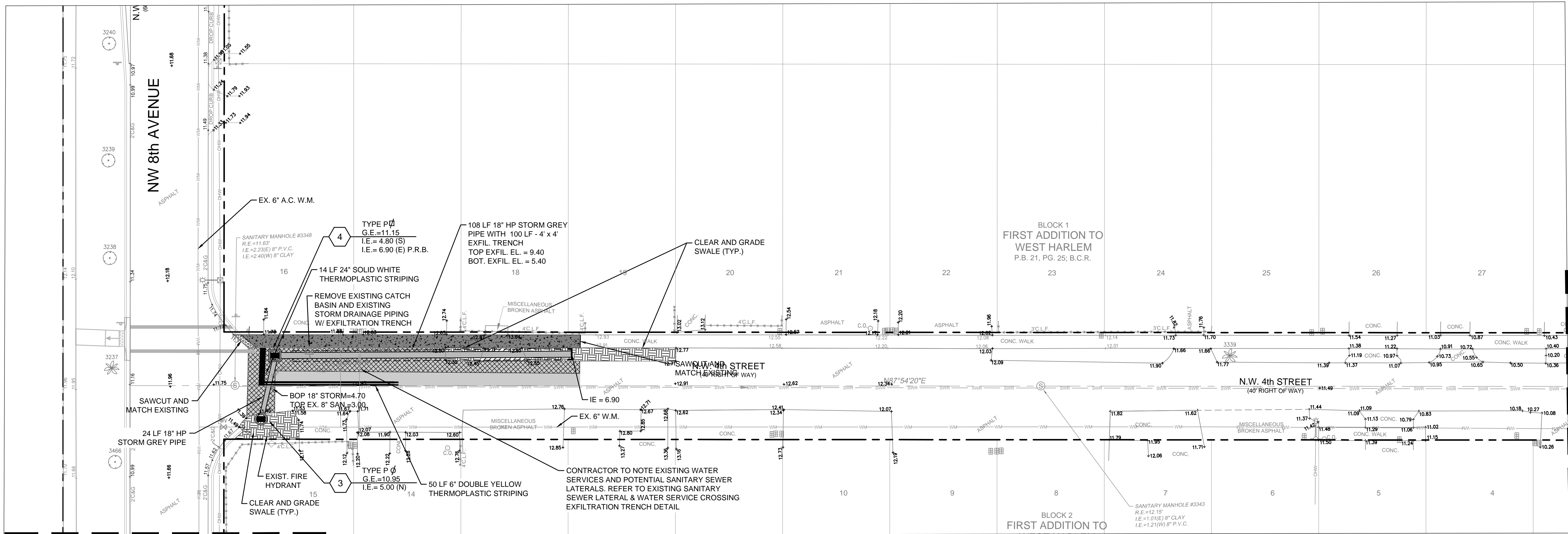
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CHECKED BY:	MJC				
APPROVED BY:					

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SEE SHEET PGD-1 FOR CONTINUATION

SEE SHEET PGD-3 FOR CONTINUATION

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SEE SHEET PGD-3 FOR CONTINUATION

PREPARED FOR:  
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PAVING, GRADING &amp; DRAINAGE

Matthew J. Cigale  
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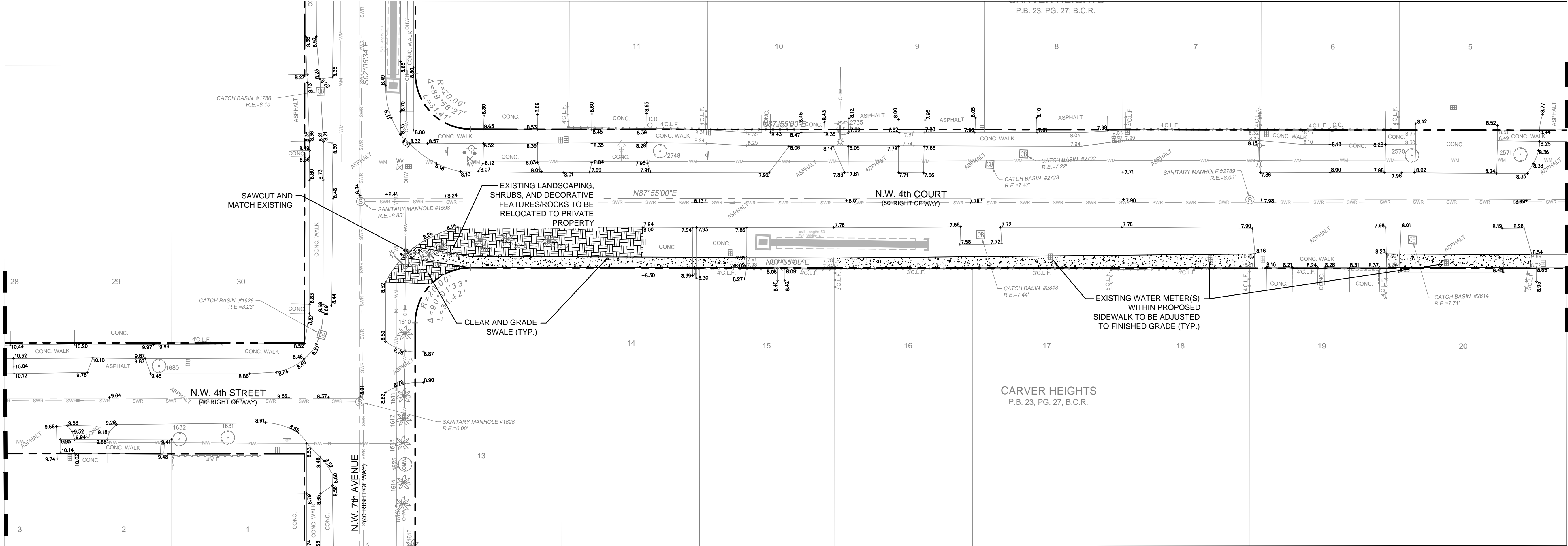
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PGD-2

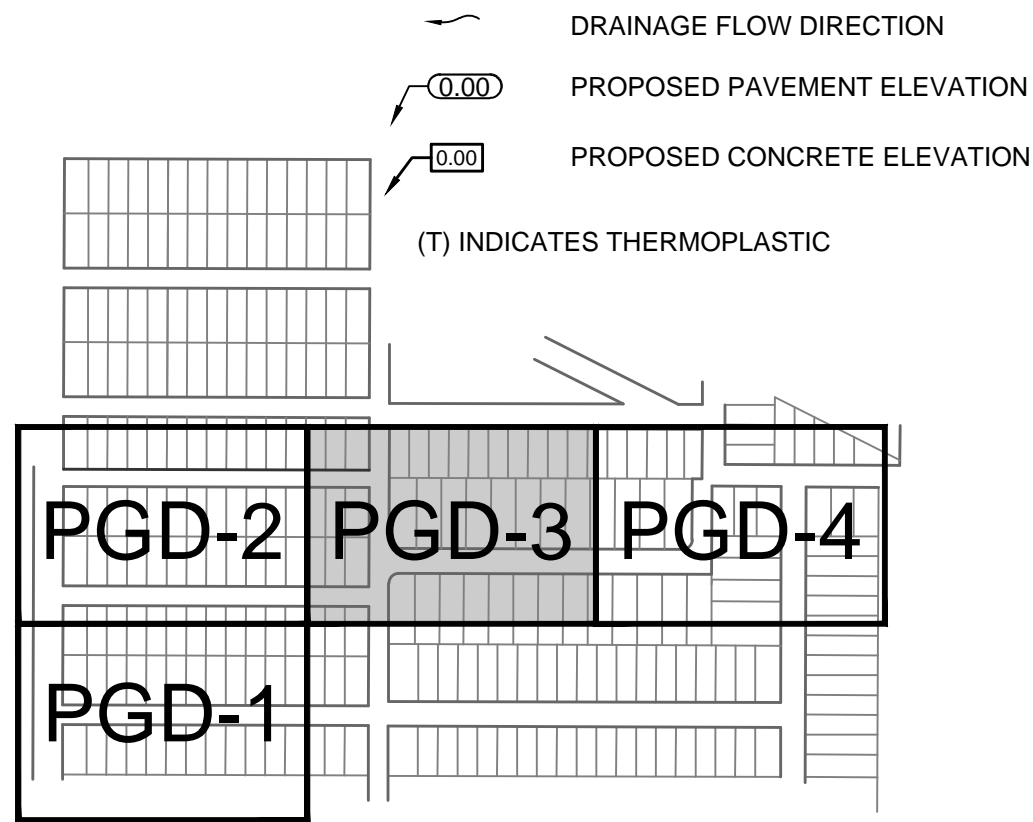
SHEET 4 OF 9



SEE SHEET PGD-2 FOR CONTINUATION



PROPOSED DRAINAGE LEGEND:



KEY MAP  
(NOT TO SCALE)

ALL PROPOSED AND EXISTING ELEVATIONS  
ARE SHOWN IN N.A.V.D. 1988 DATUM.

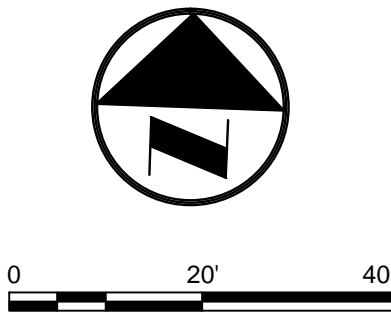
- DRAINAGE FLOW DIRECTION
- PROPOSED PAVEMENT ELEVATION
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41 YEAR CDBG  
PUBLIC WORKS  
IMPROVEMENT PROJECT  
PREPARED FOR:  
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PAVING, GRADING & DRAINAGE

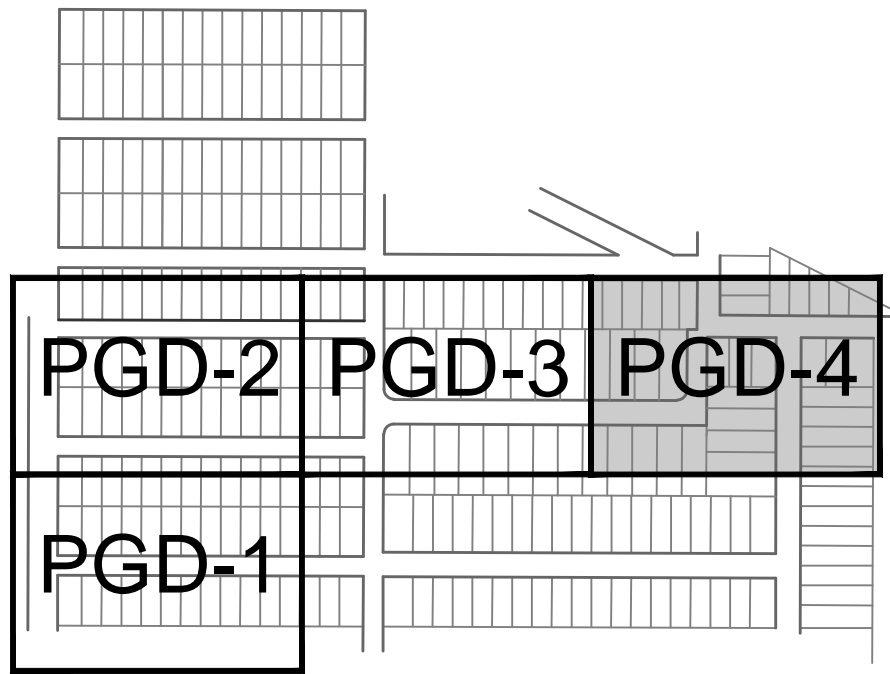
Matthew J. Cigale  
Florida P.E. No. 74584

PROJECT NO.  
15-0079-001-01

PGD-3  
SHEET 5 OF 9

REVISIONS PER BROWARD COUNTY	DATE:	BY:	DESCRIPTION:
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MJC	APPROVED BY:		

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KEY MAP  
(NOT TO SCALE)



ALL PROPOSED AND EXISTING ELEVATIONS  
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PROPOSED DRAINAGE LEGEND:

- DRAINAGE FLOW DIRECTION
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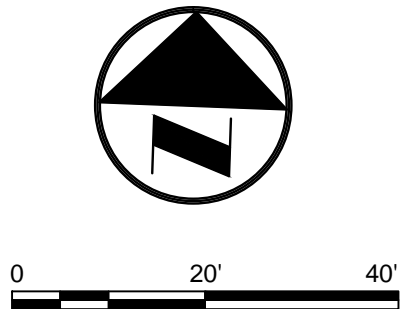
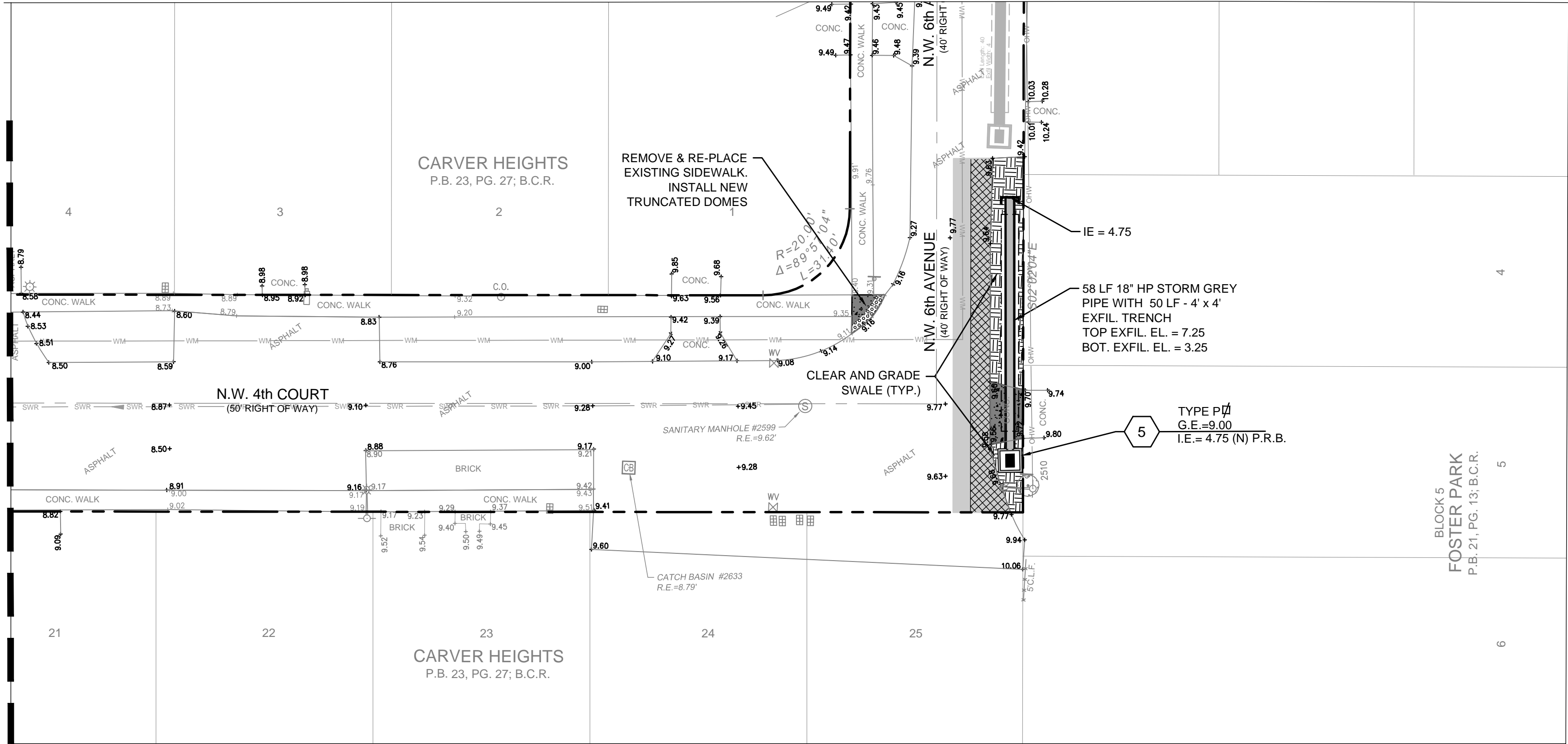
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SEE PGD-3 FOR CONTINUATION



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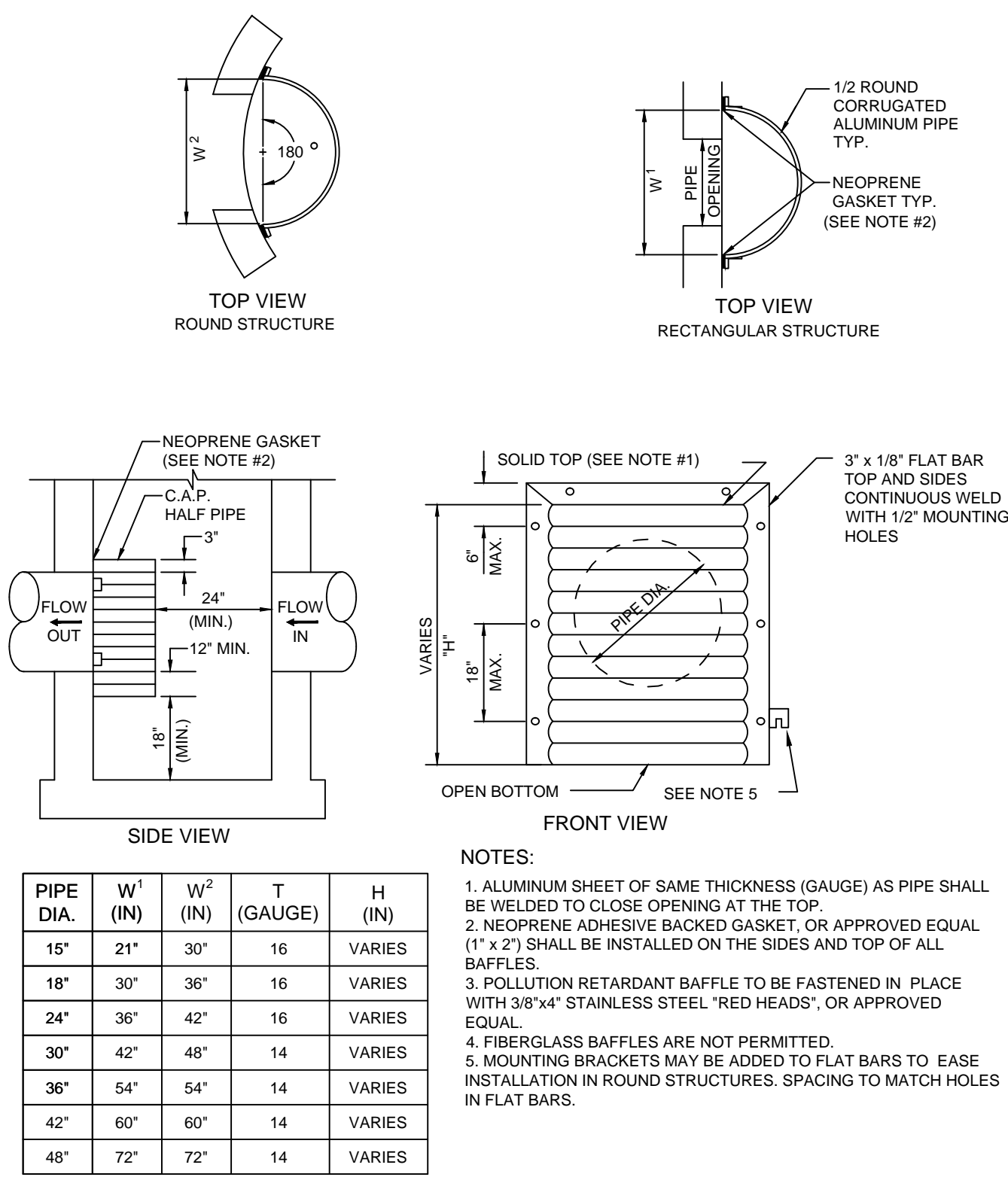
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15-0079-001-01

PGD-4  
SHEET 6 OF 9

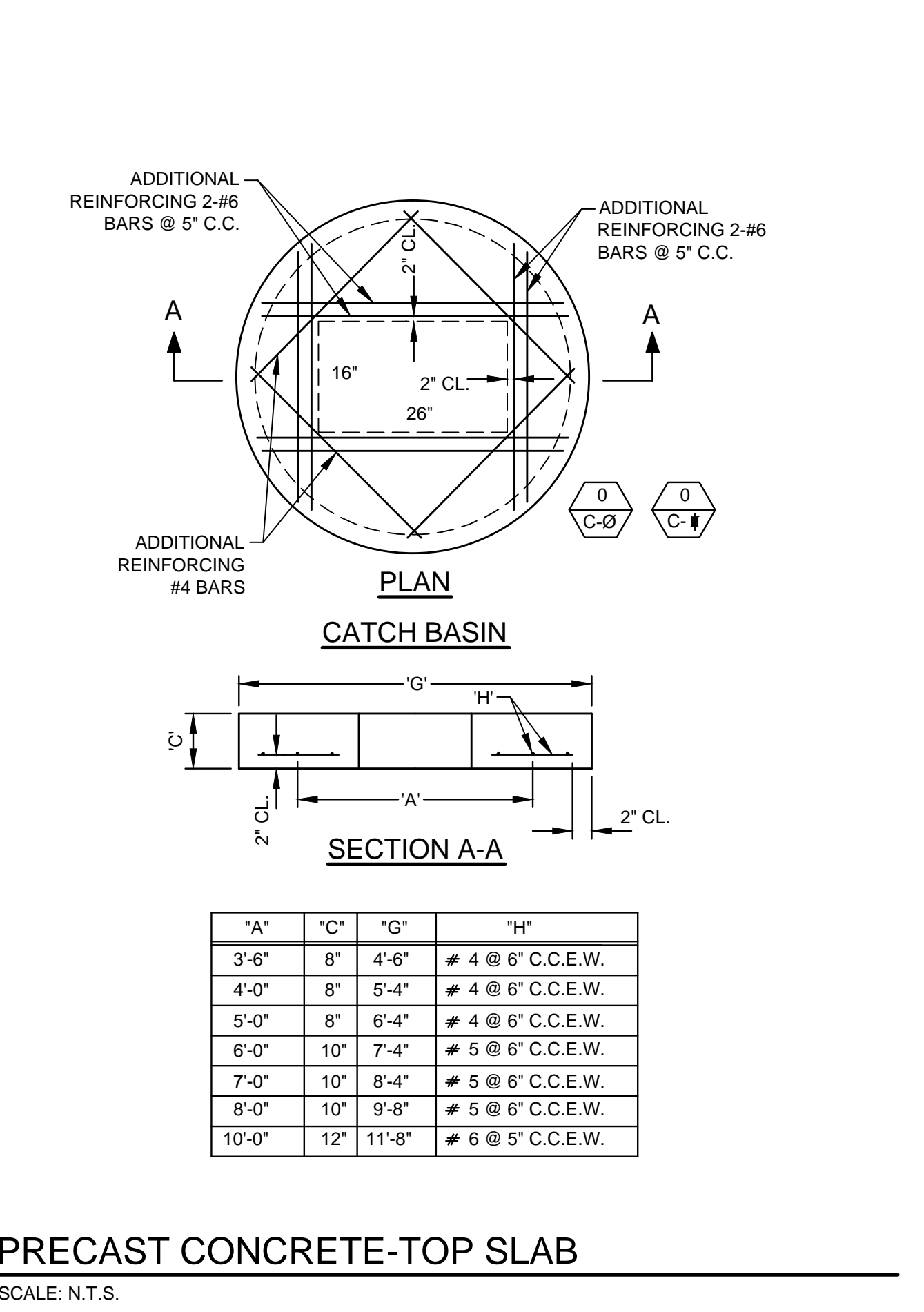
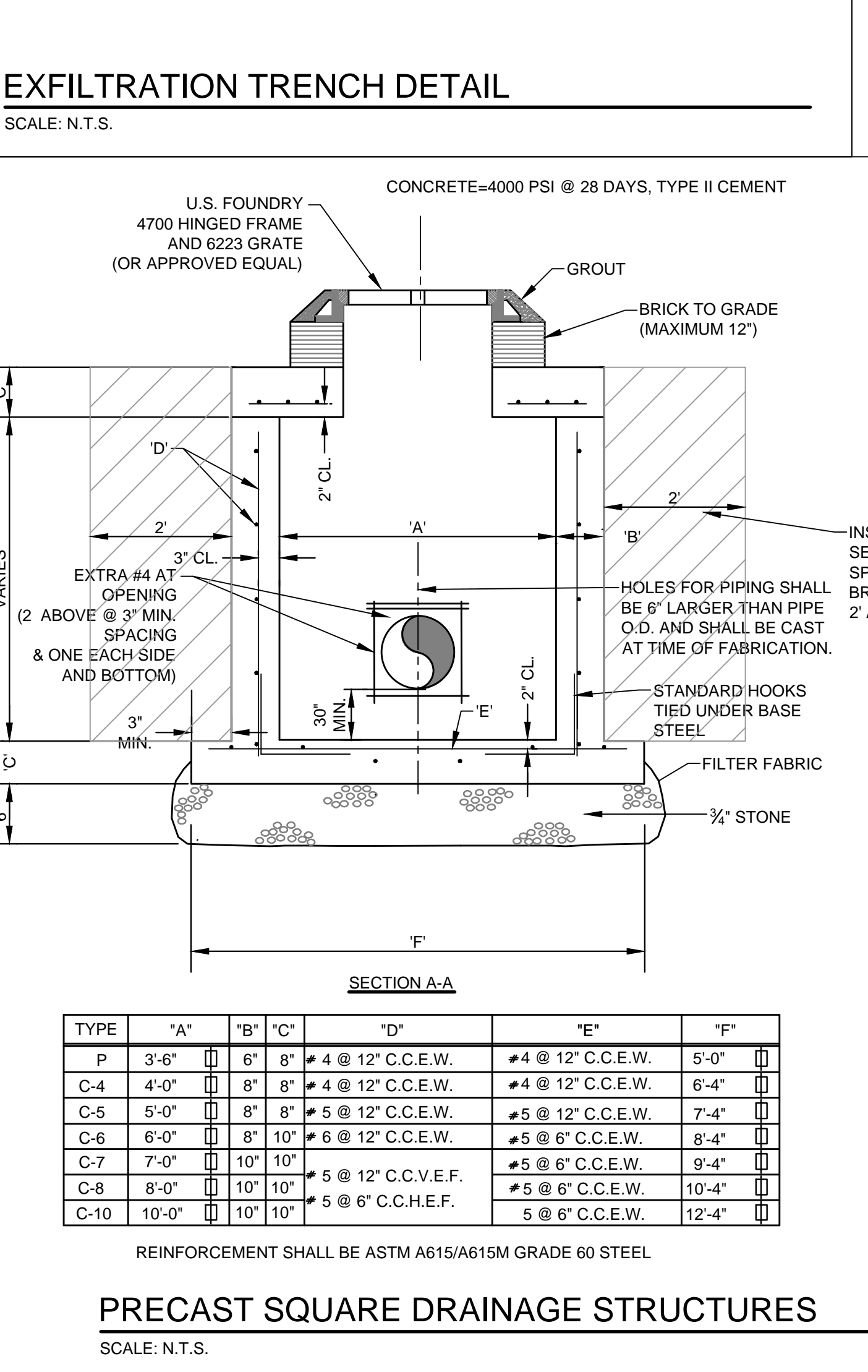
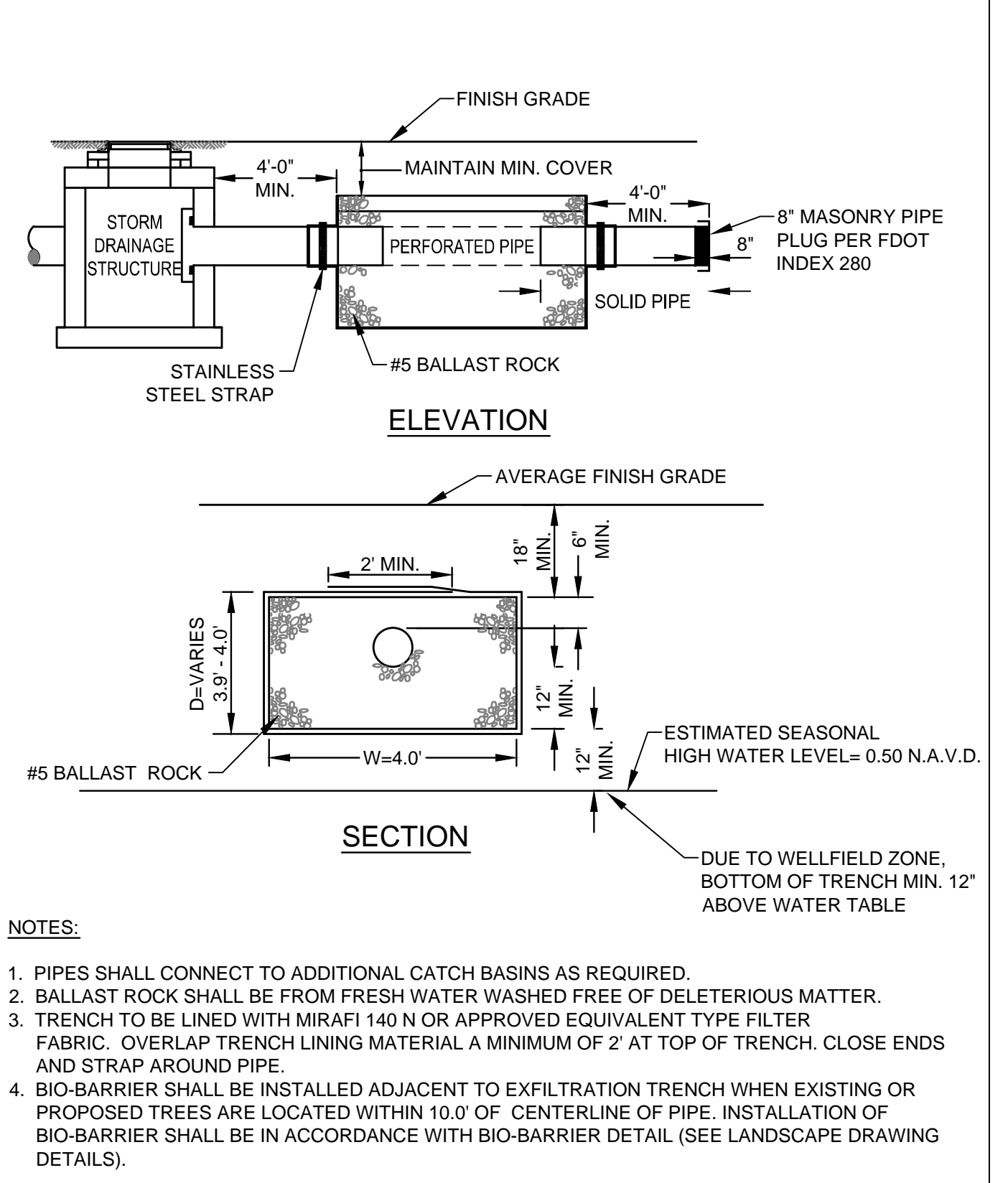
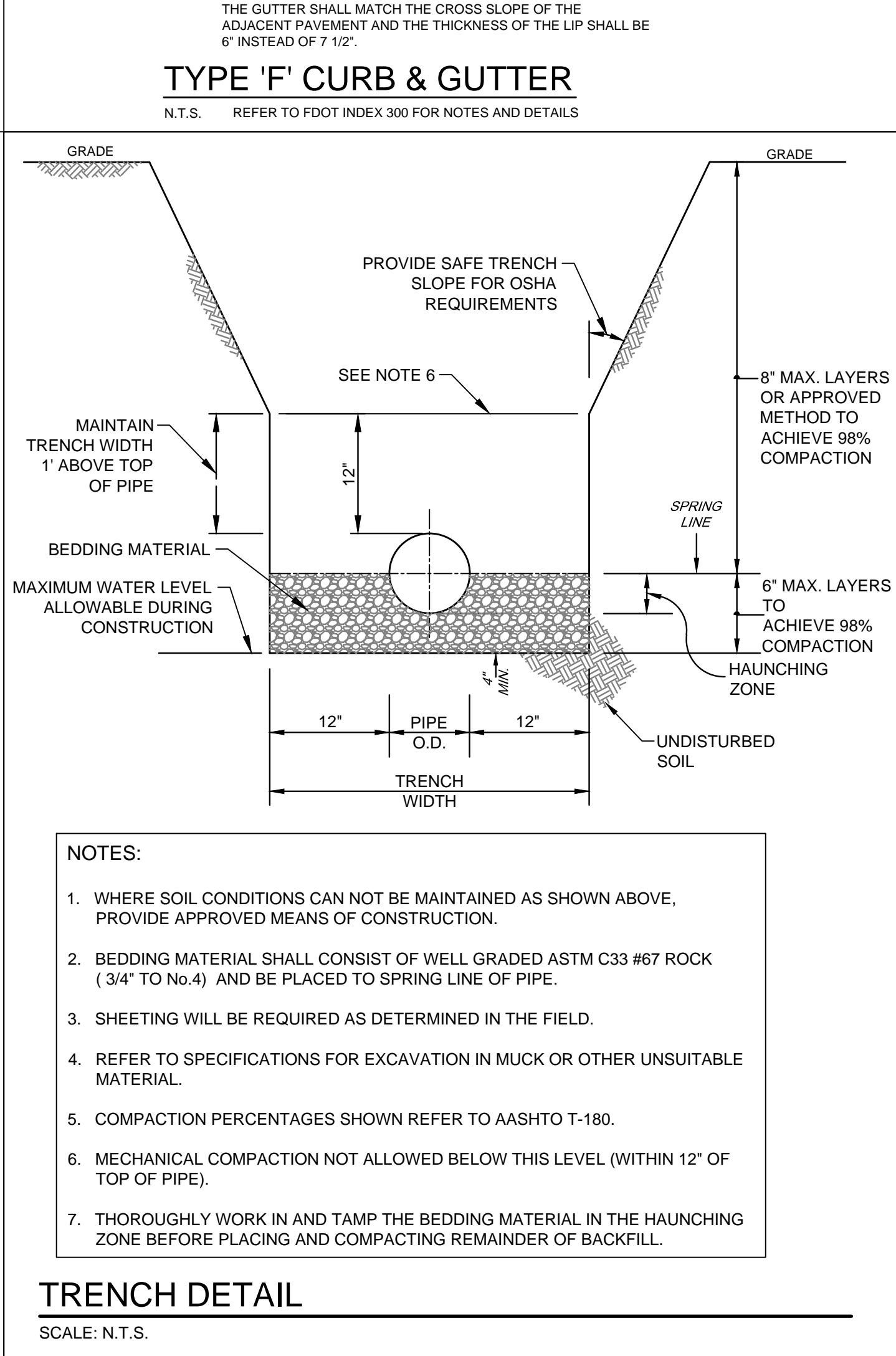
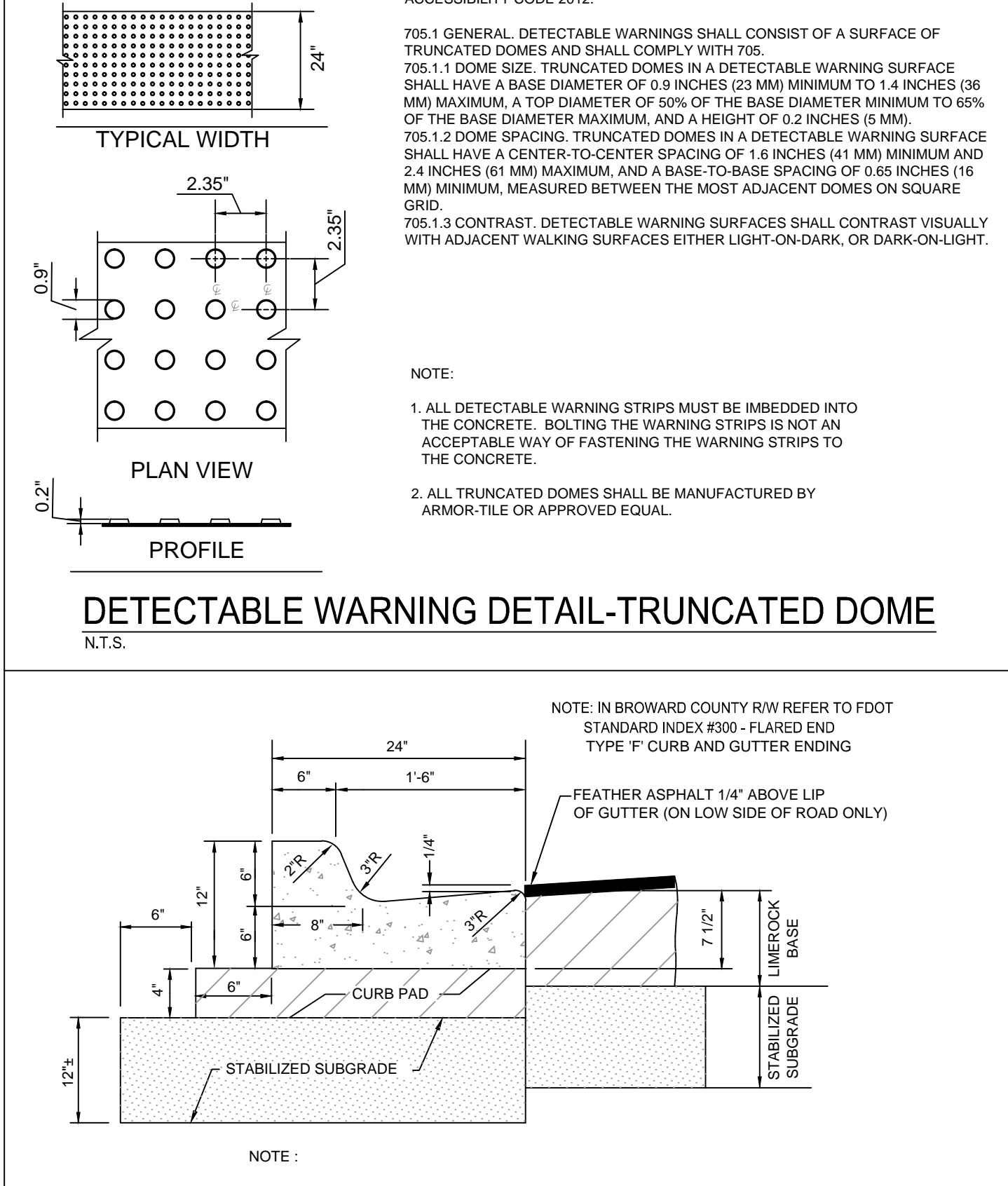
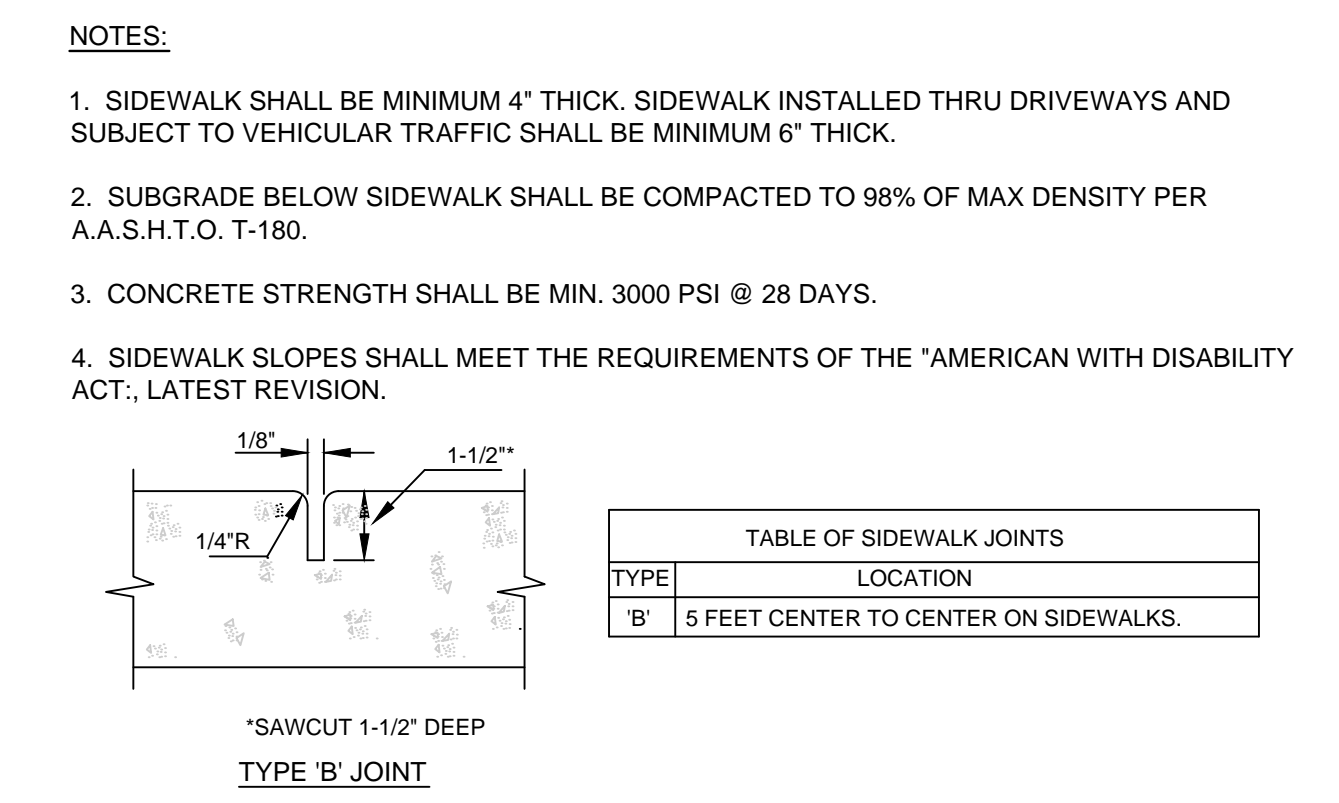
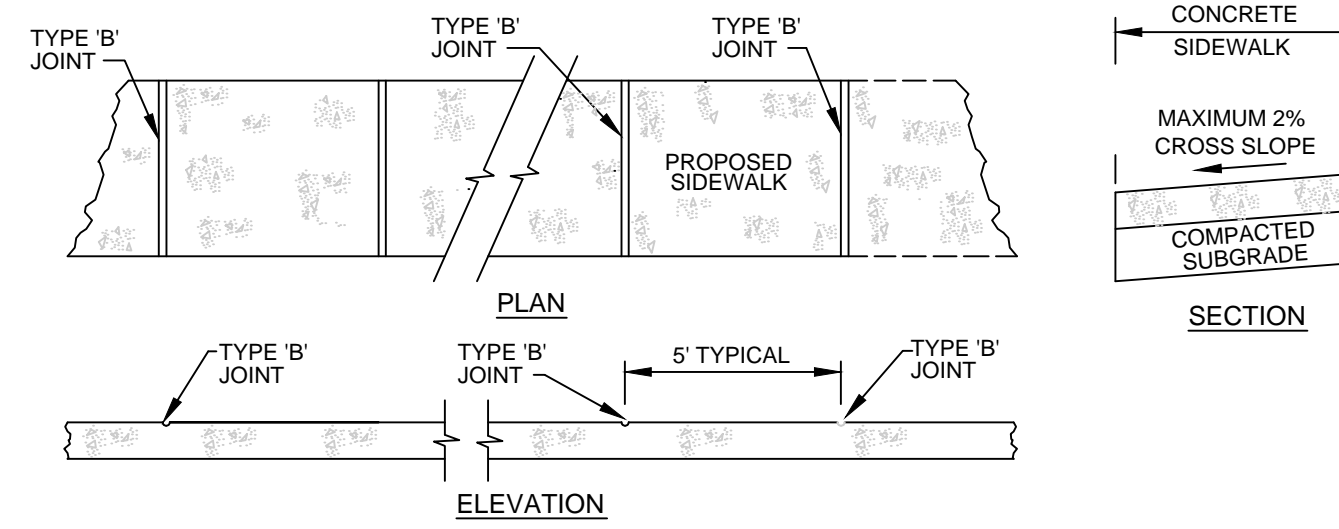
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BY:	
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**POLLUTION RETARDANT BAFFLE (PRB)**  
N.T.S.



DATE:	SCALE:	DESIGN BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
4/1/15	NTS	FA	FA	MJC	MJC

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**PGDD-1**  
SHEET 7 OF 9





