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vocon.partners LLC

PROVIDED BY:

ALLEGRO CIVIL ENGINEERS

ALLEGRO CIVIL ENGINEERS
4322 N. LINCOLN AVE. SUITE A
CHICAGO, IL 60625
(872) 270-3682

PROFESSIONAL SEAL:

PROPOSED TENANT IMPROVEMENTS FOR:

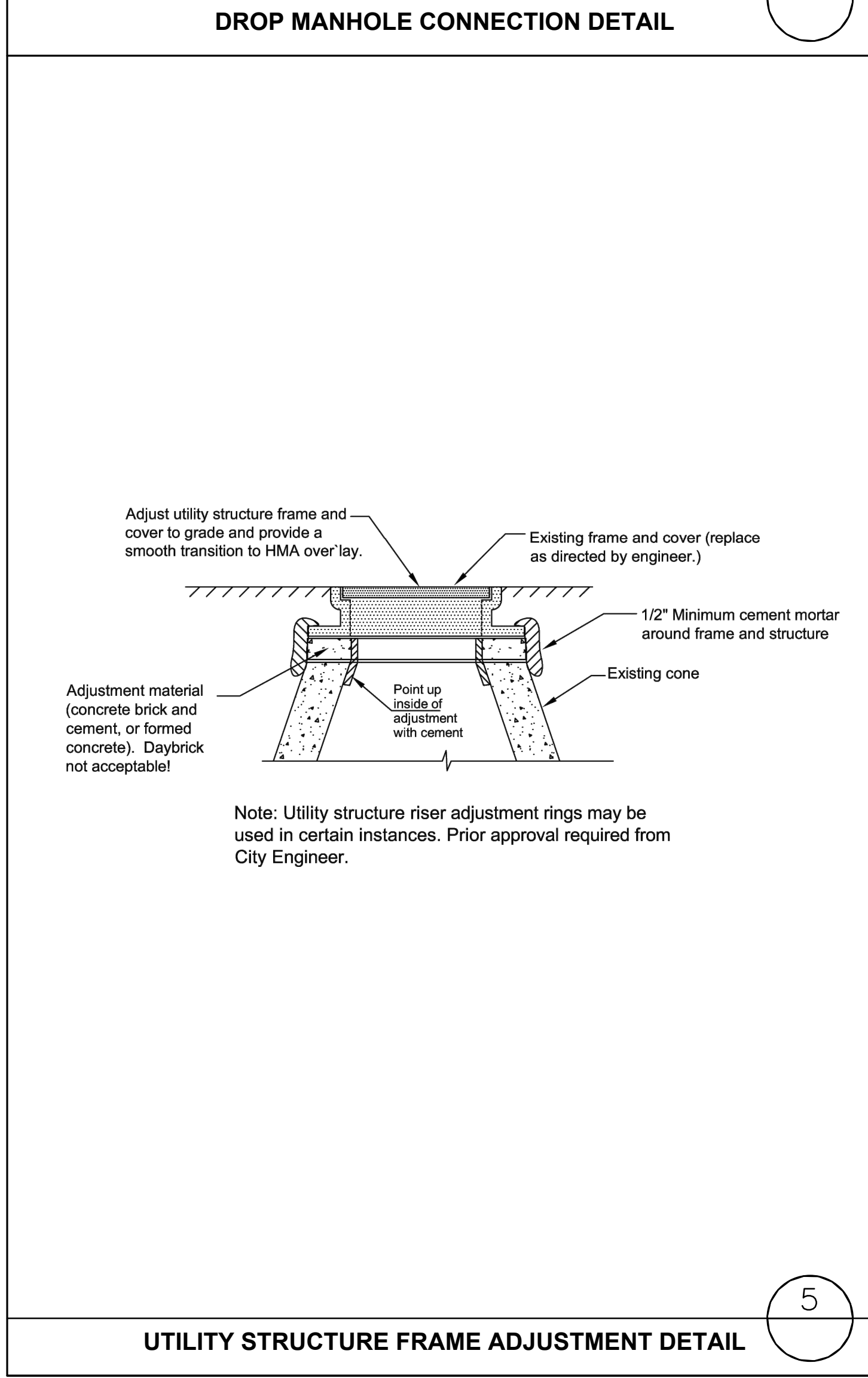
HUNTINGTON NATIONAL BANK ROCHESTER HILLS

2977 WALTON BLVD
ROCHESTER HILLS, MI 48309

JOB NUMBER: 2021-177-002

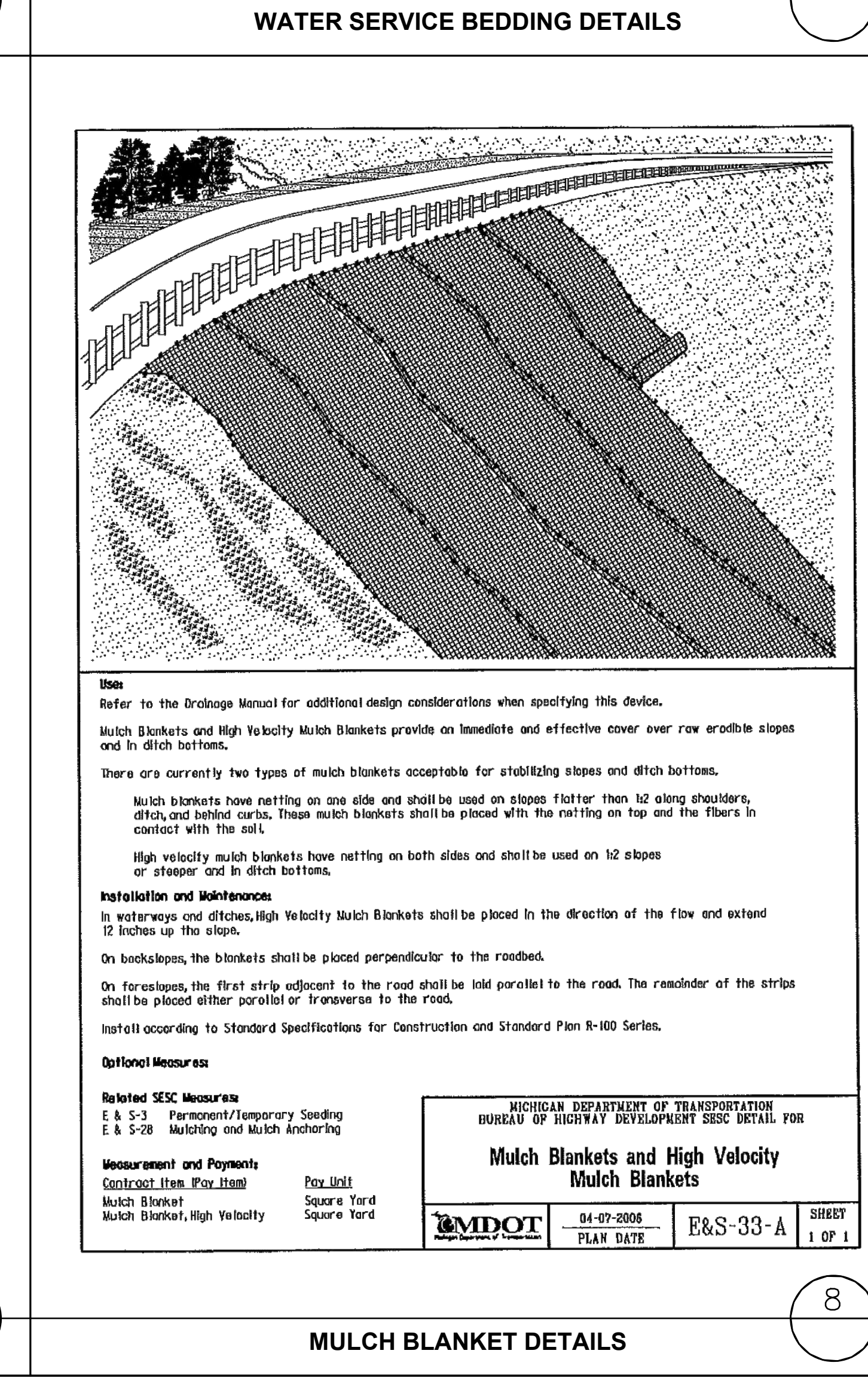
DRAWING RELEASE:

No.	Date	Description
1	07.19.2021	SITE PLAN REVIEW
2	05.04.2022	RESPONSE TO CITY COMMENTS
3	06.06.2022	RESPONSE TO CITY COMMENTS
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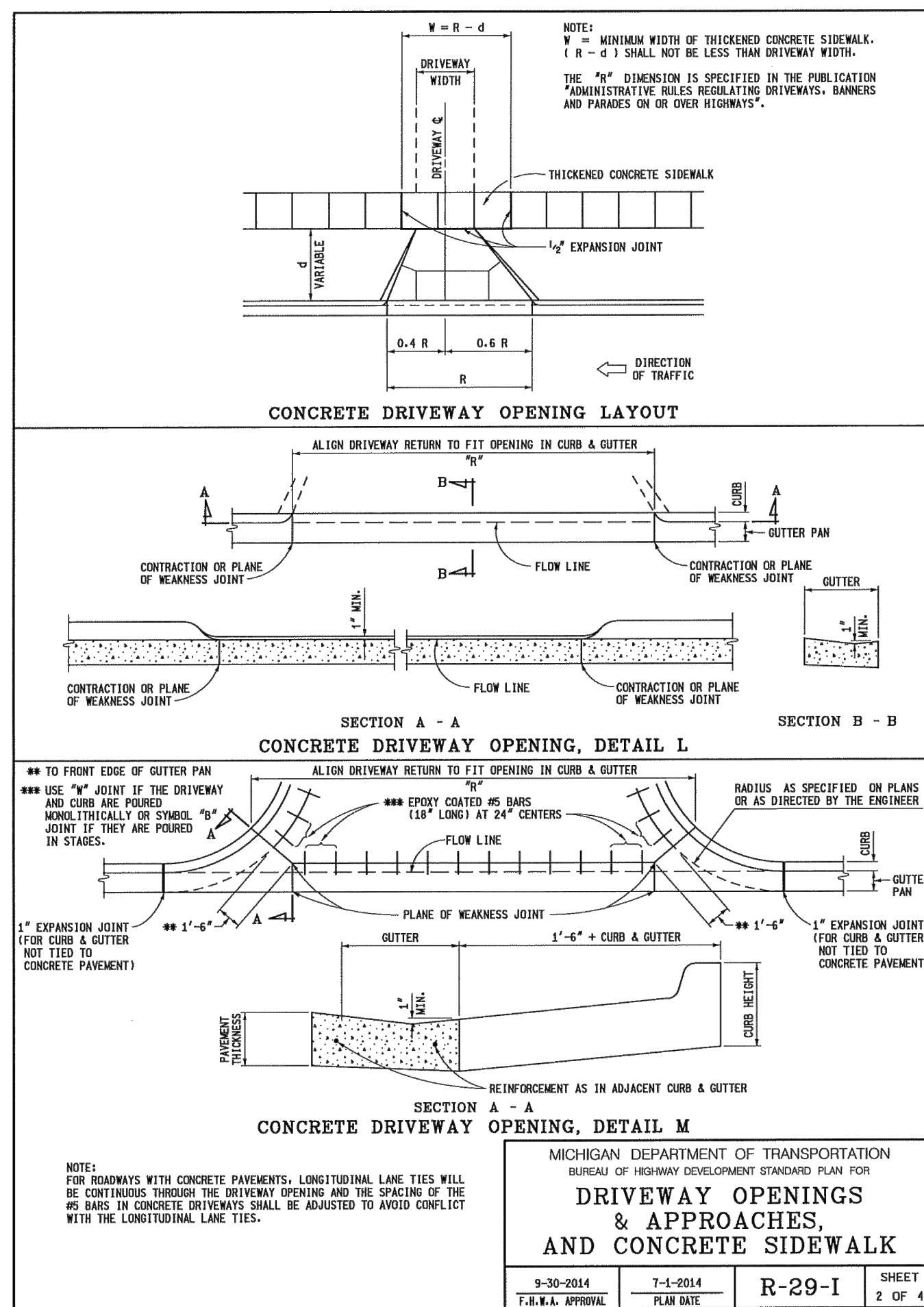
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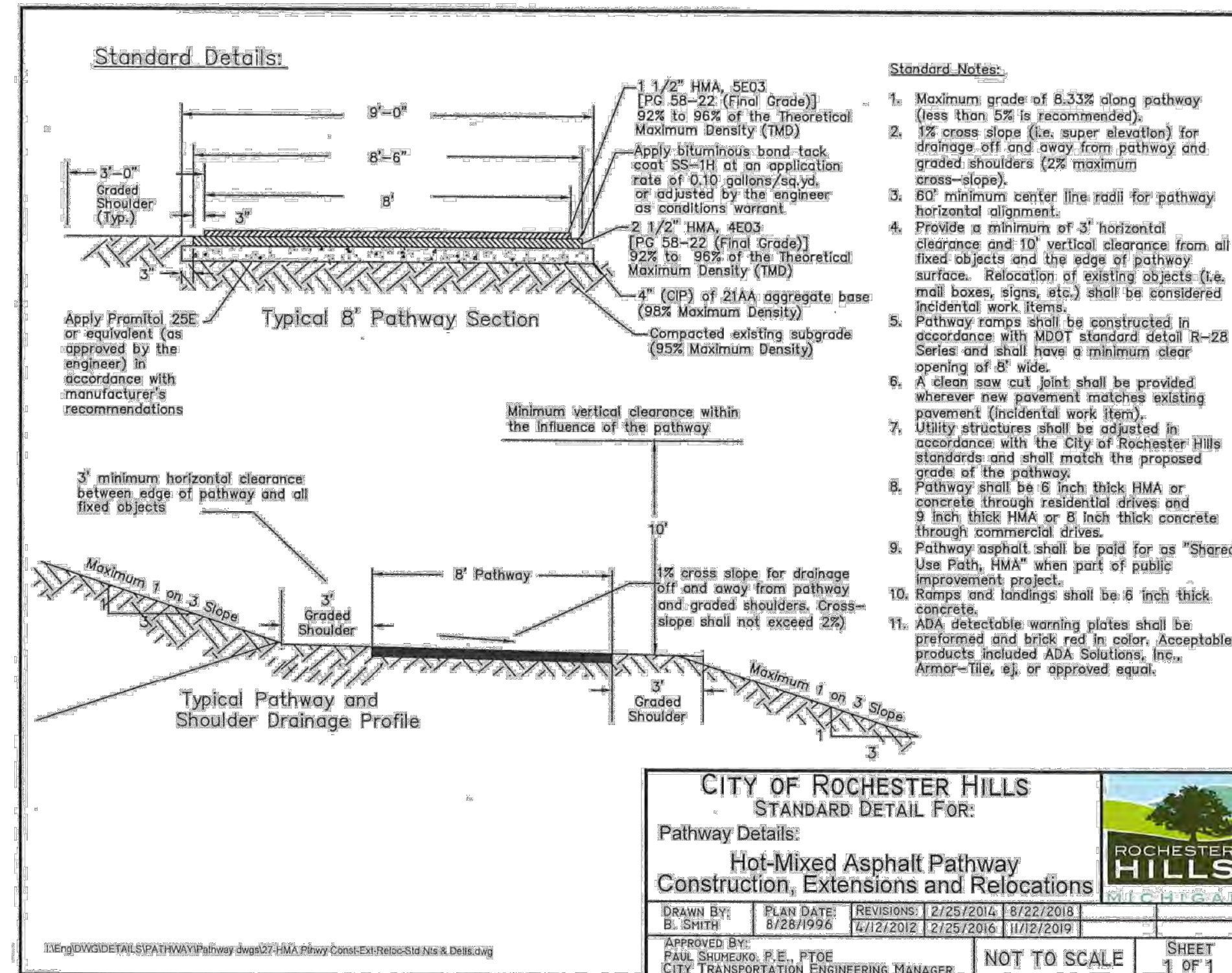
SHEET TITLE:
CONSTRUCTION DETAILS

SHEET NUMBER:
C5.3

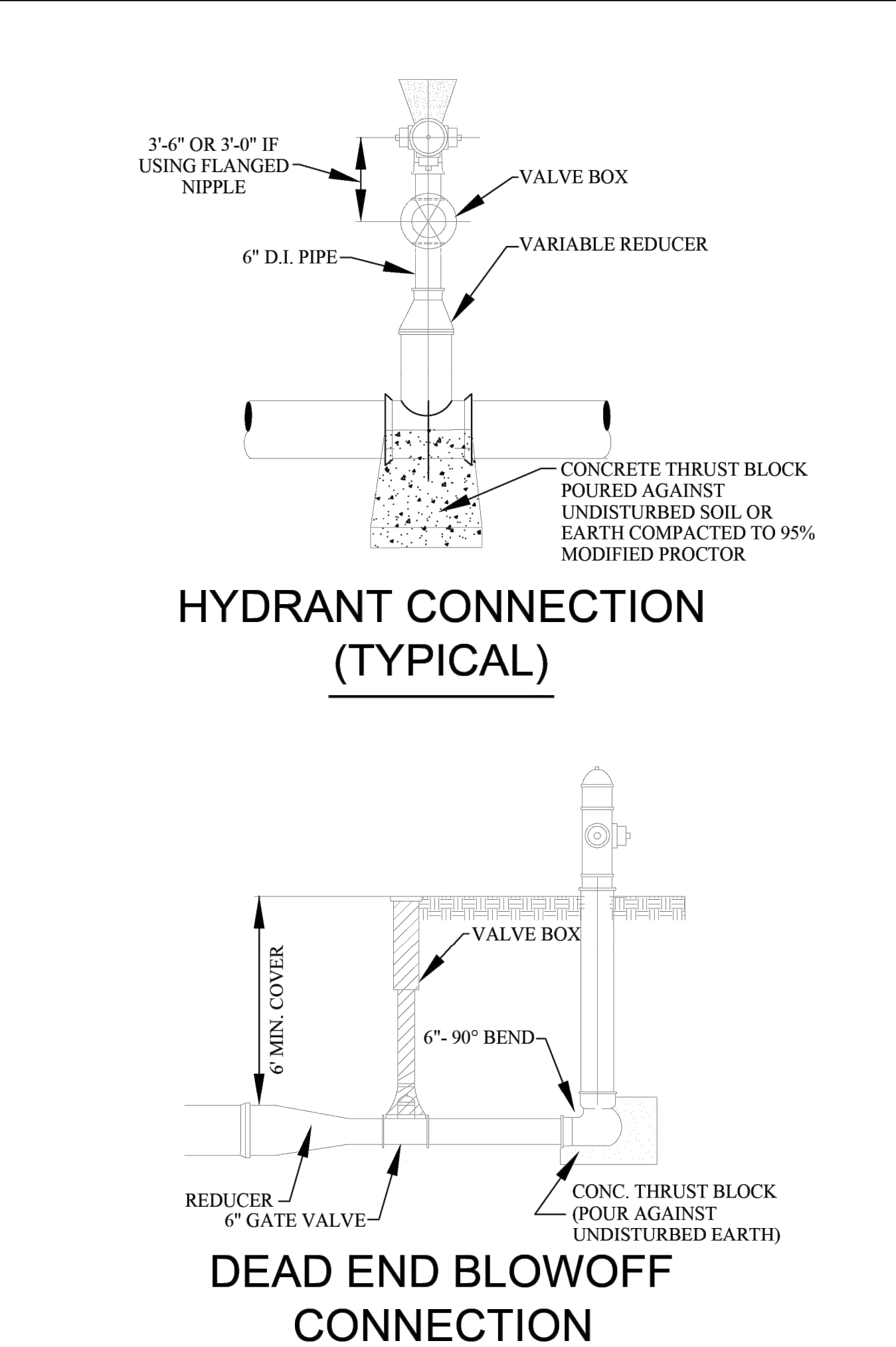
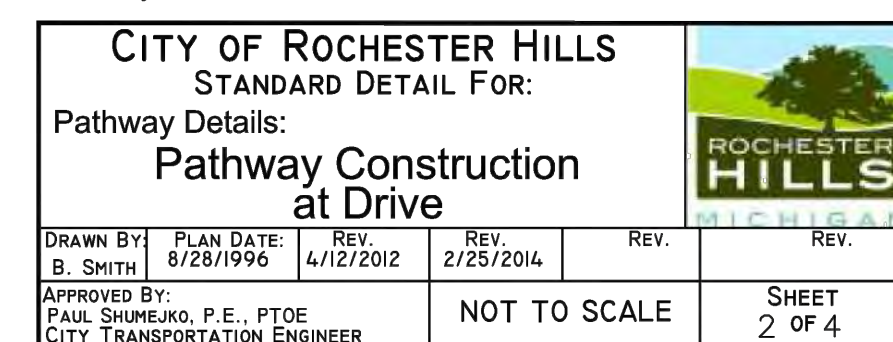
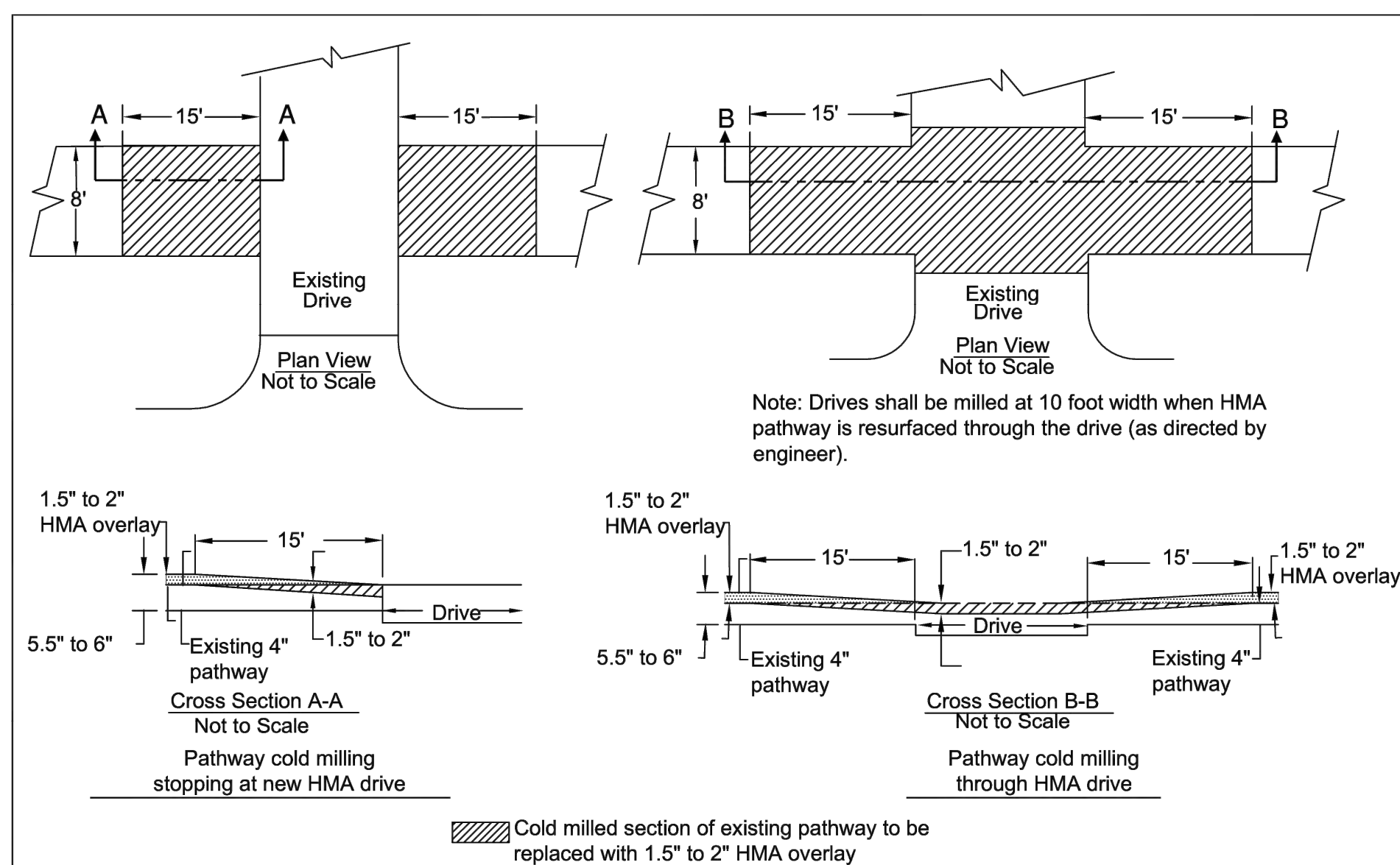


DRIVEWAY OPENING DETAIL

1

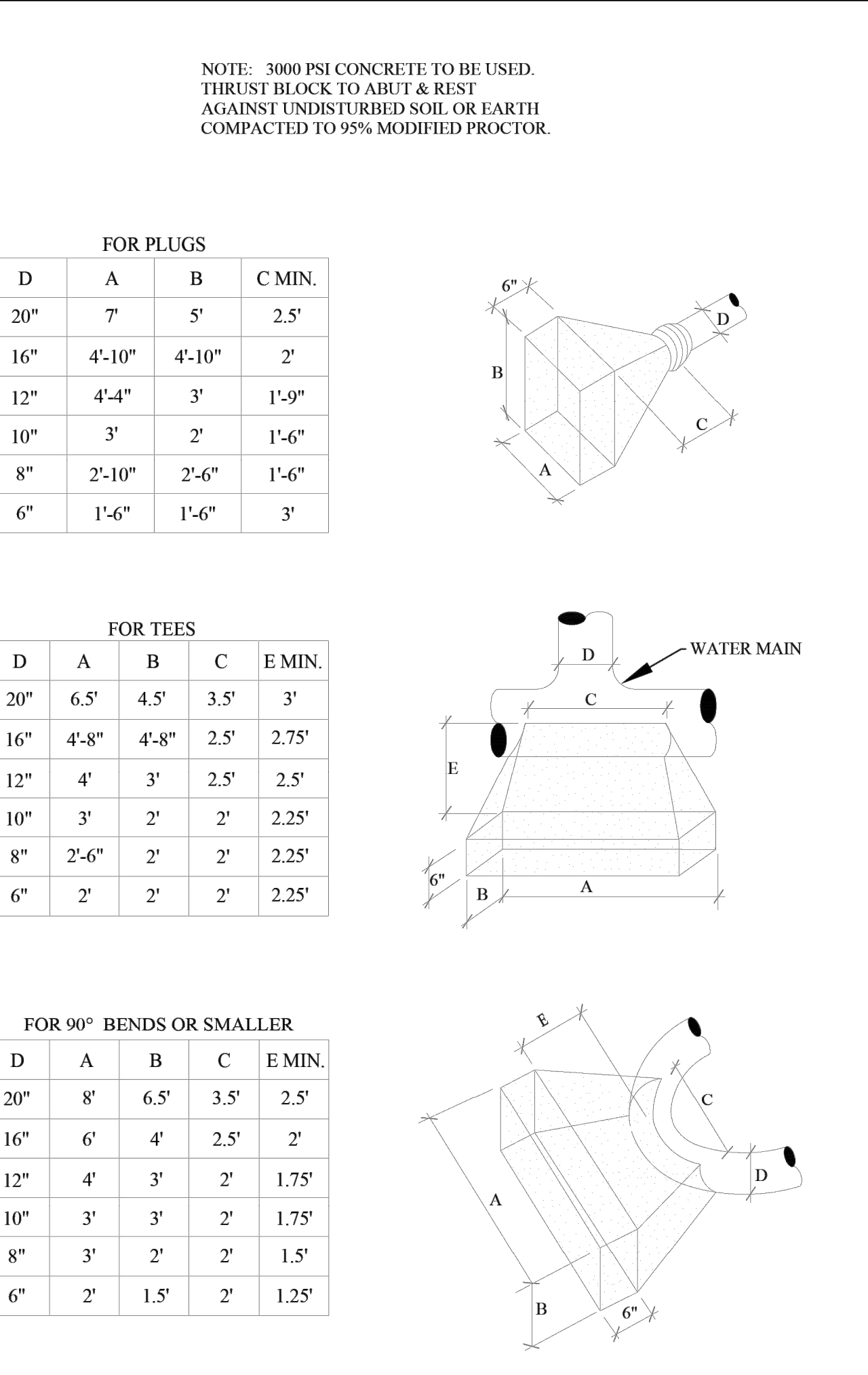


ASPHALT PATH DETAILS



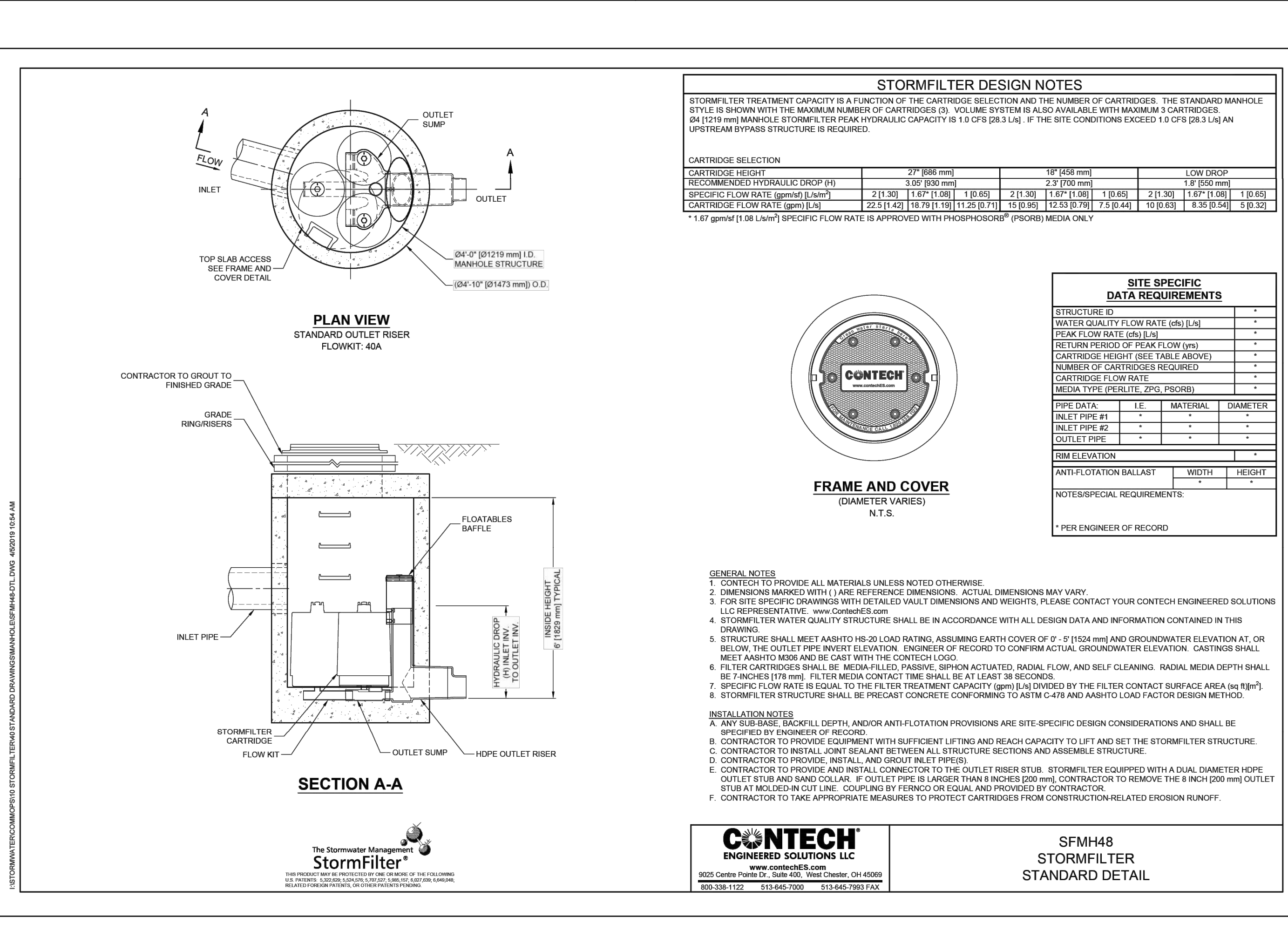
FIRE HYDRANT DETAILS

3



THRUST BLOCK DETAILS

4



OFFLINE STORMWATER TREATMENT DETAIL

5

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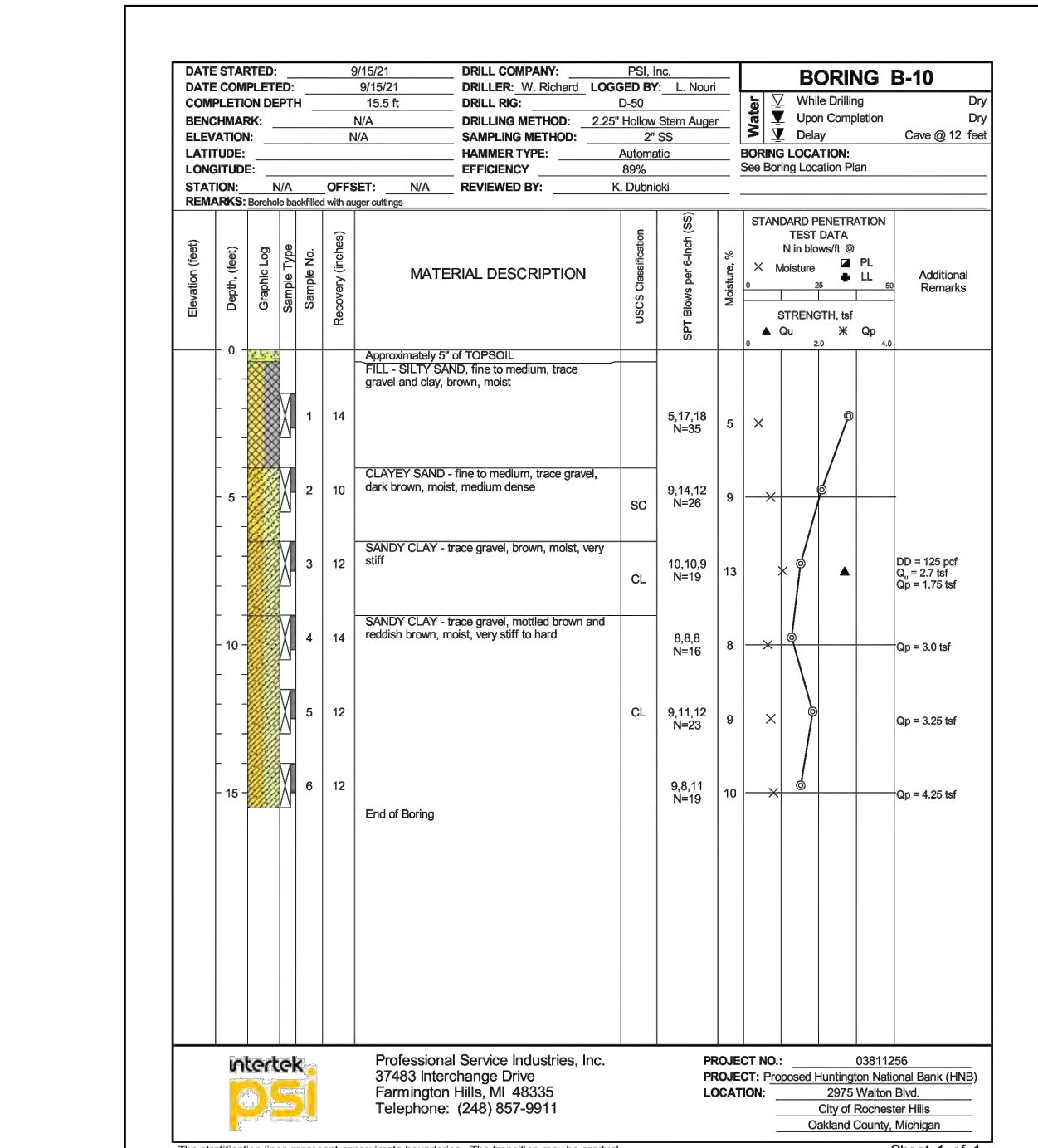
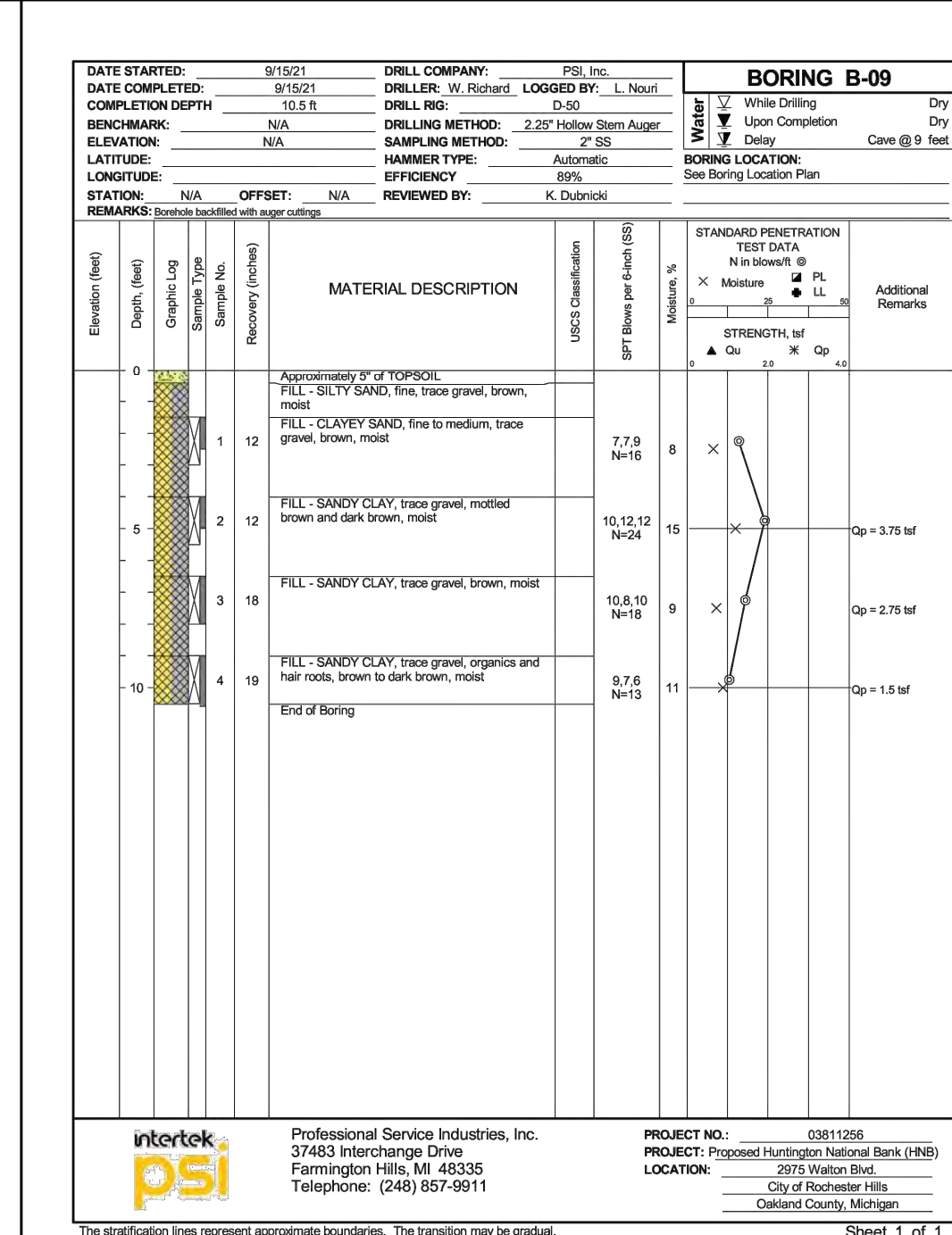
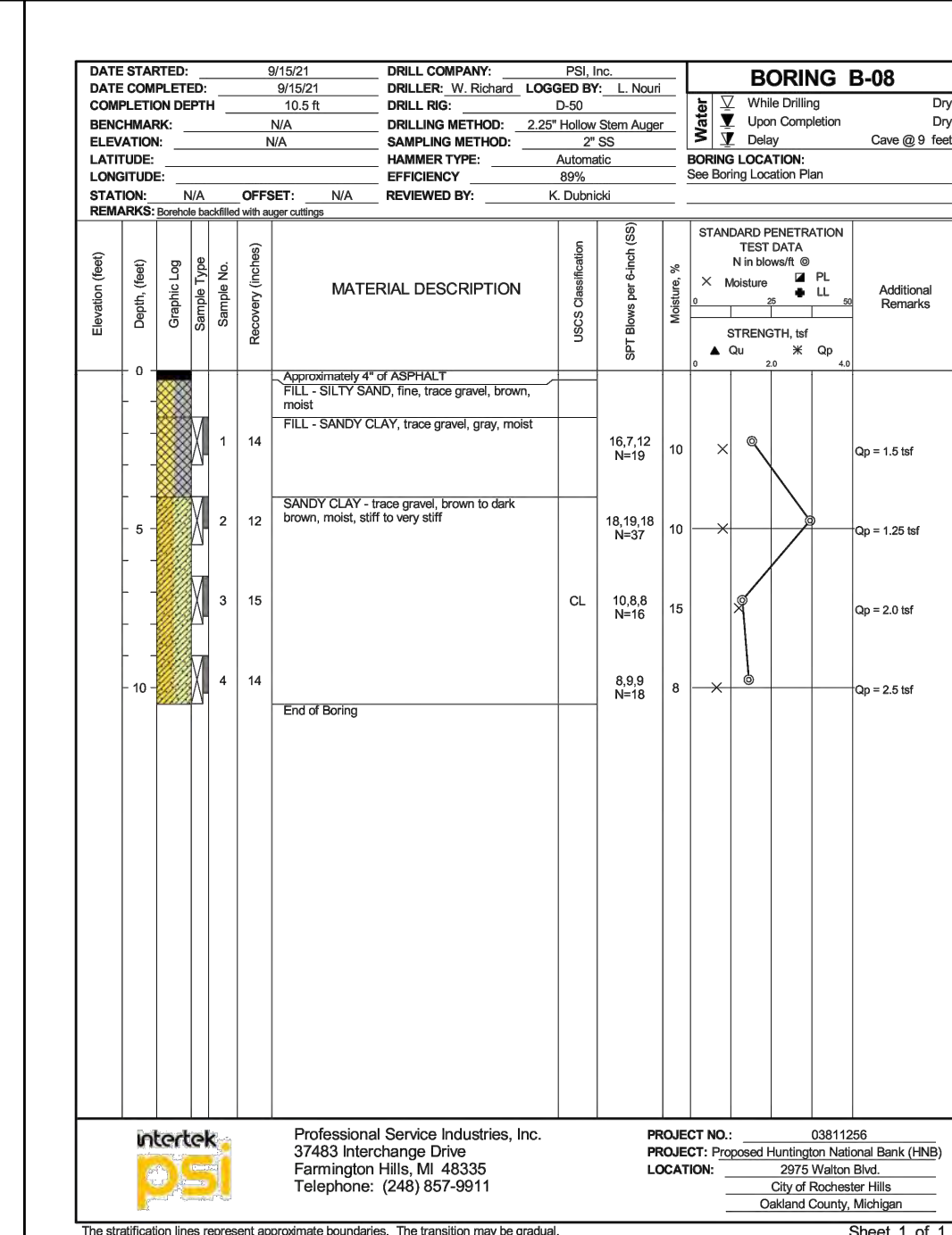
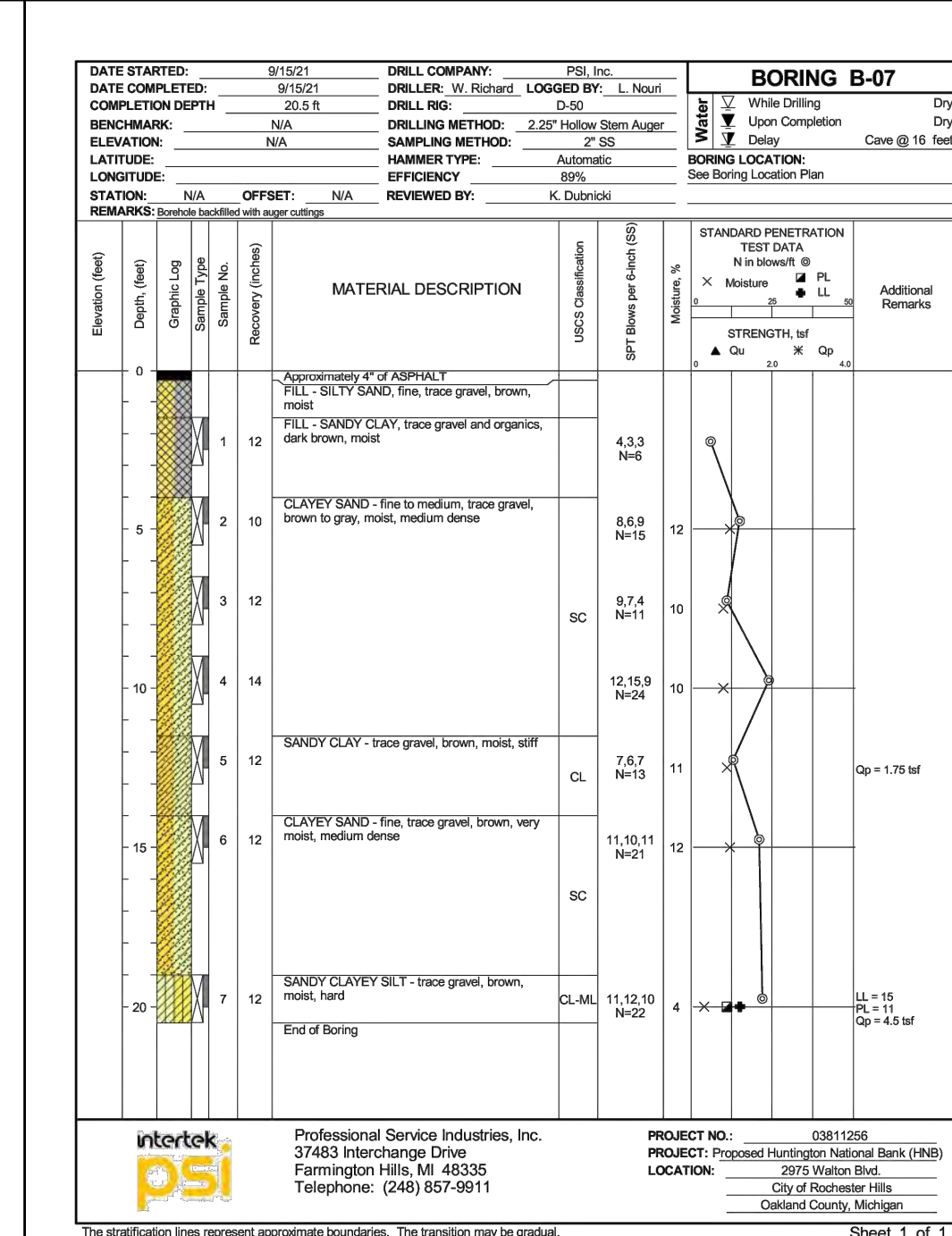
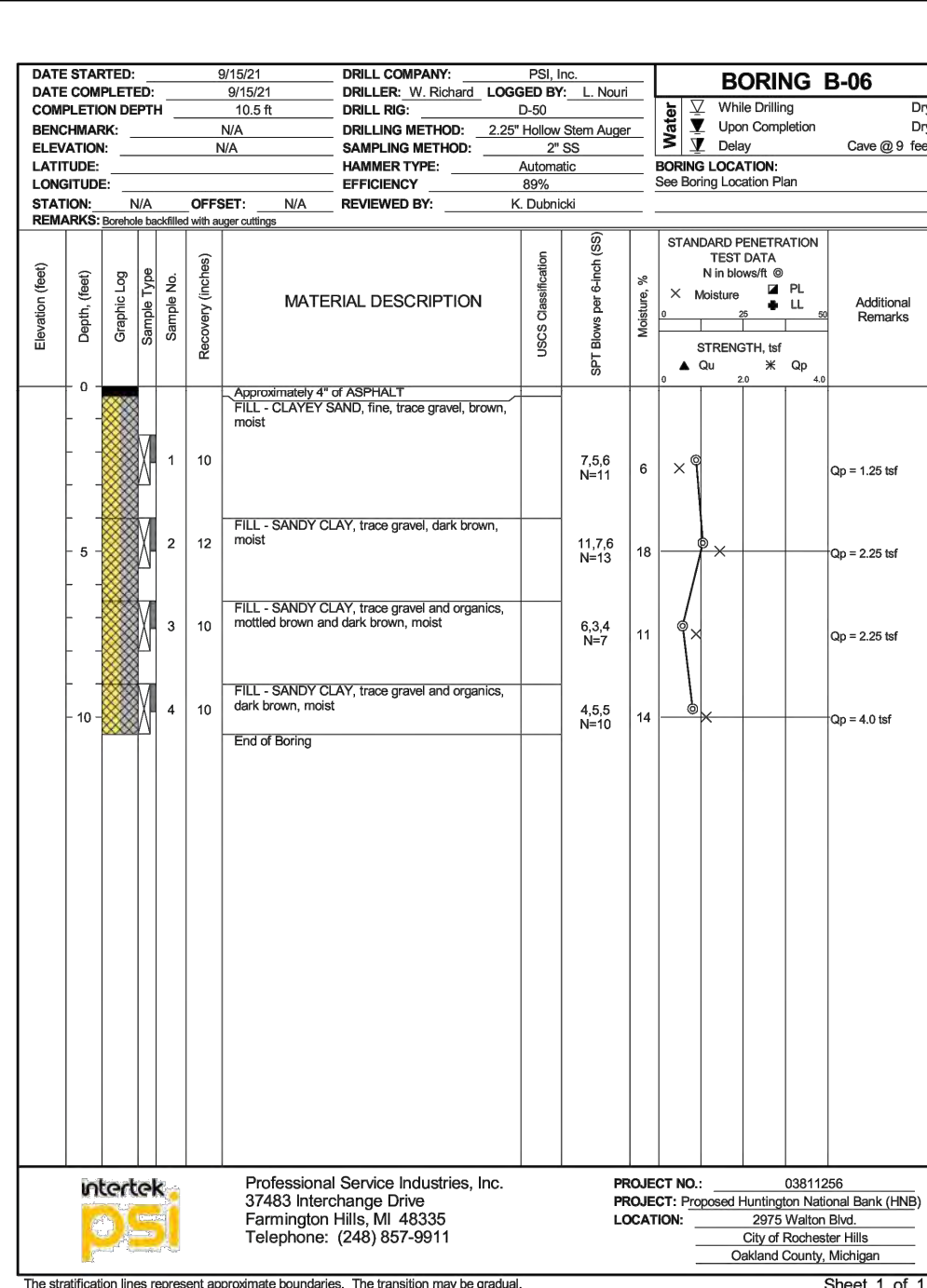
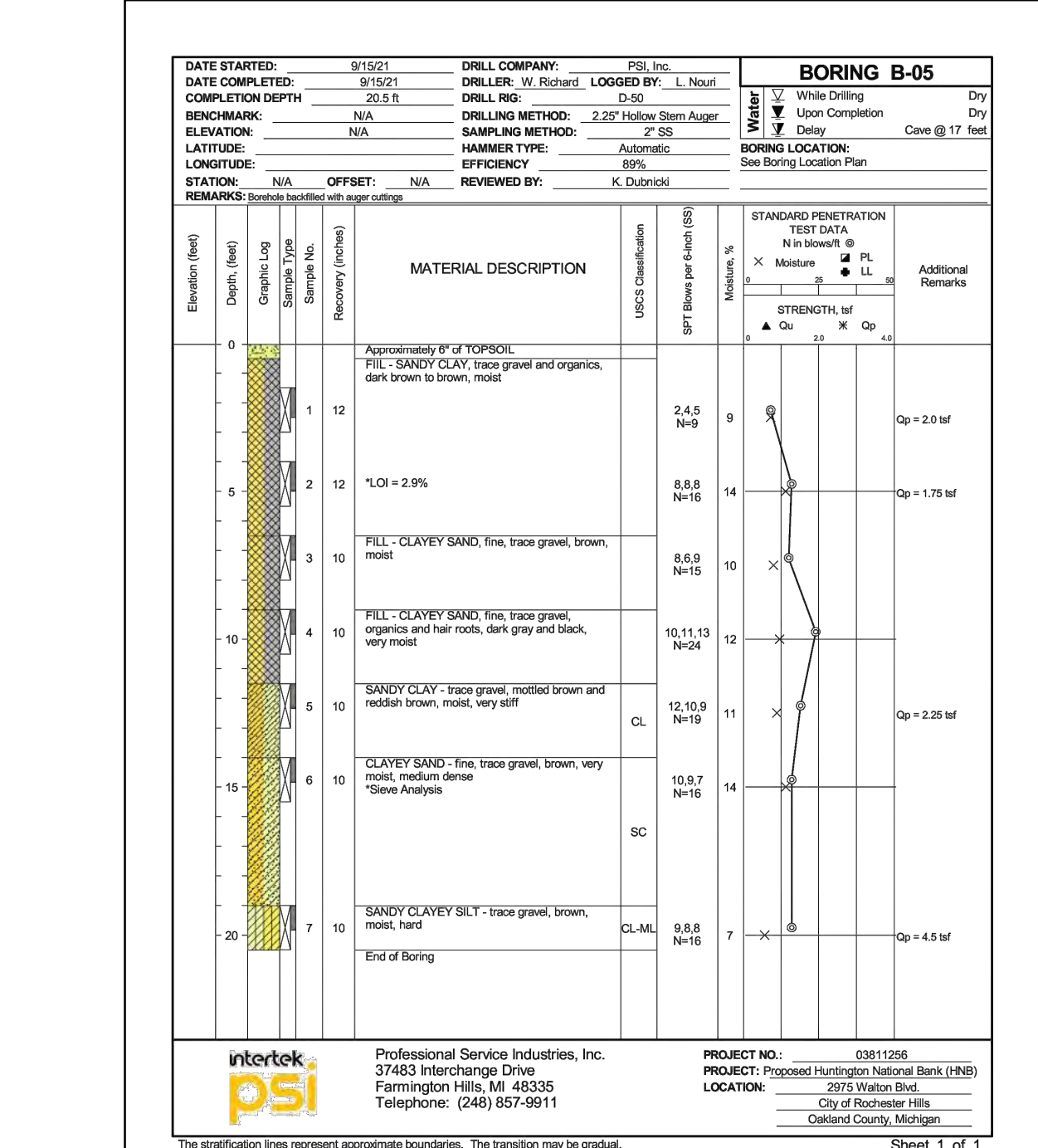
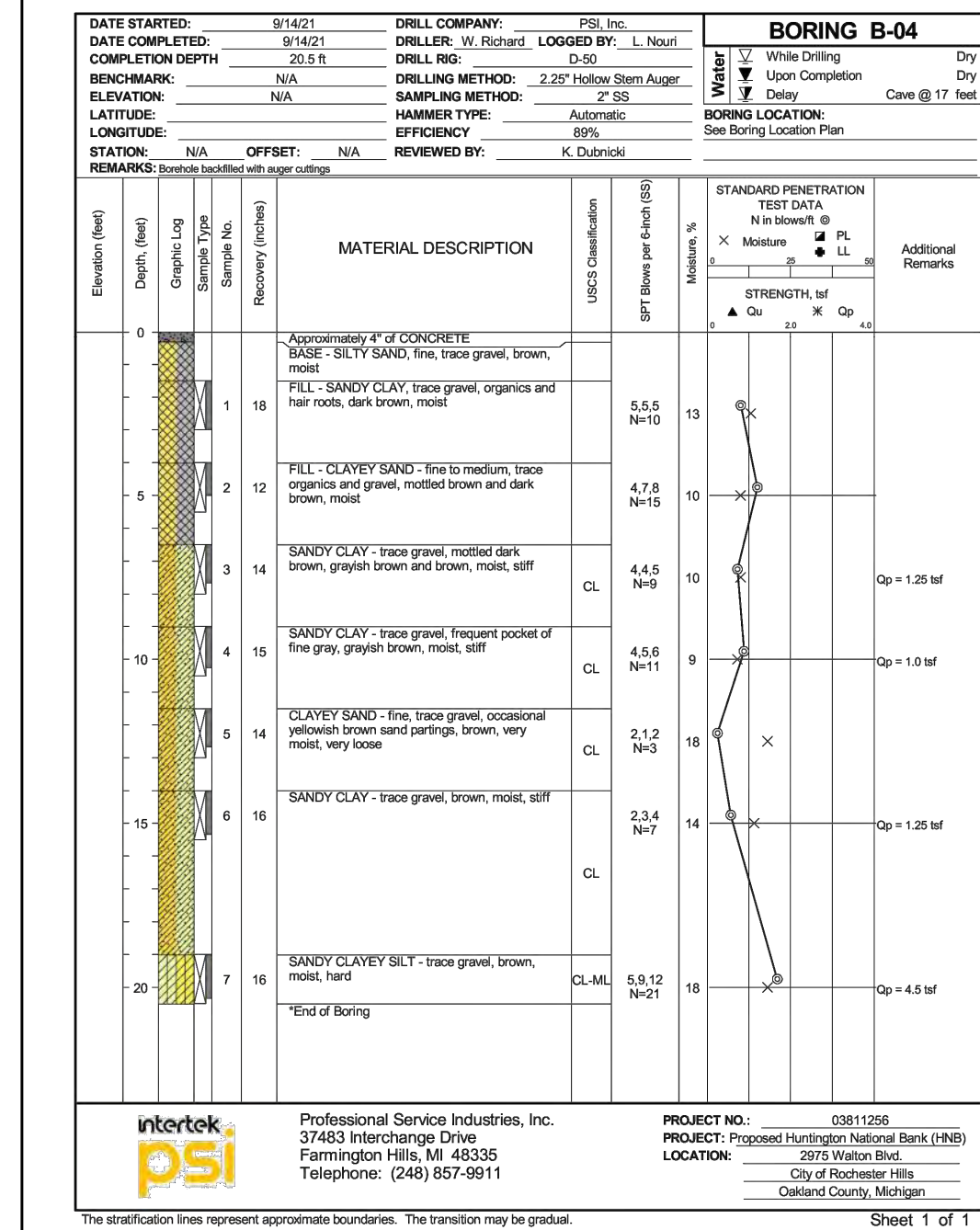
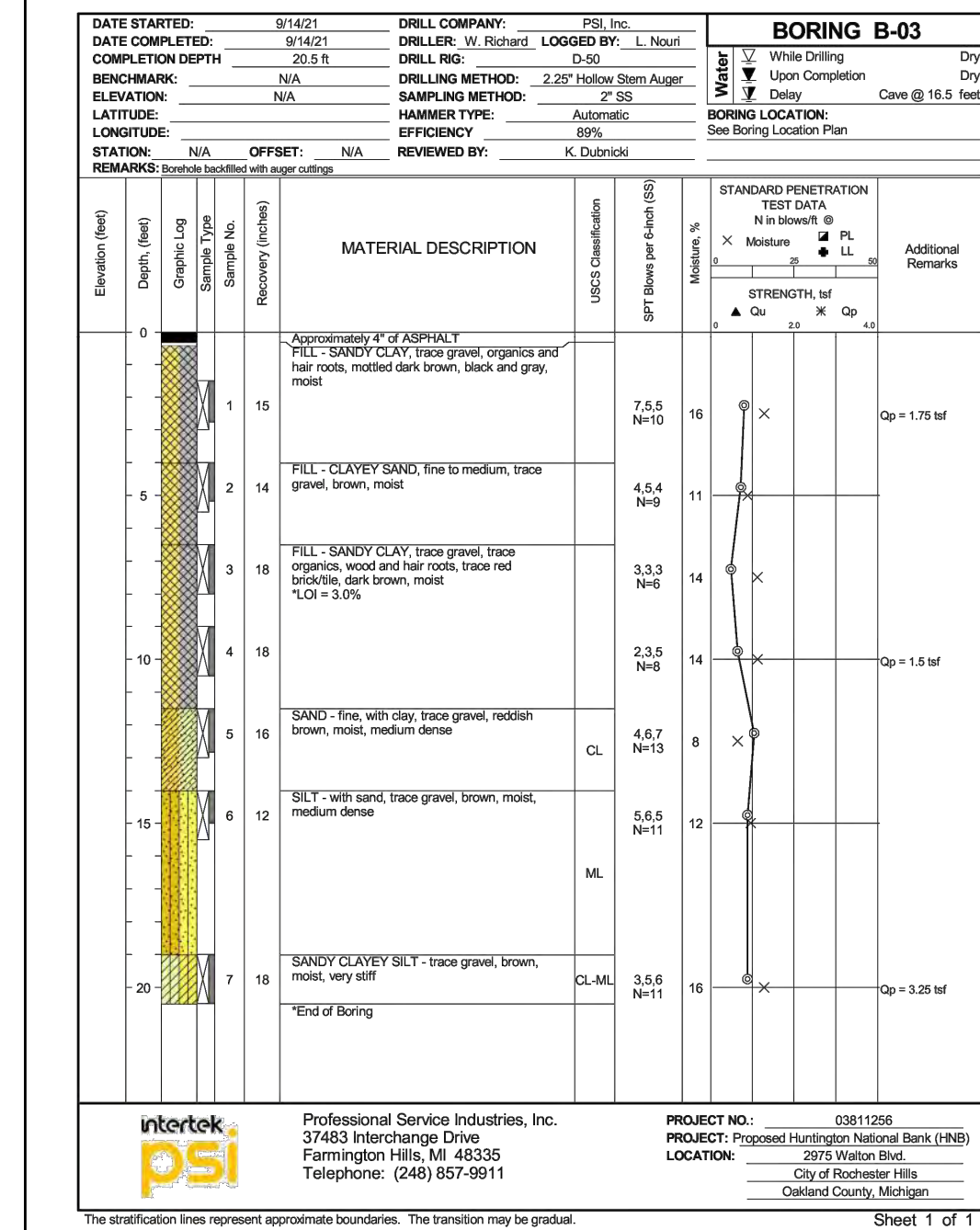
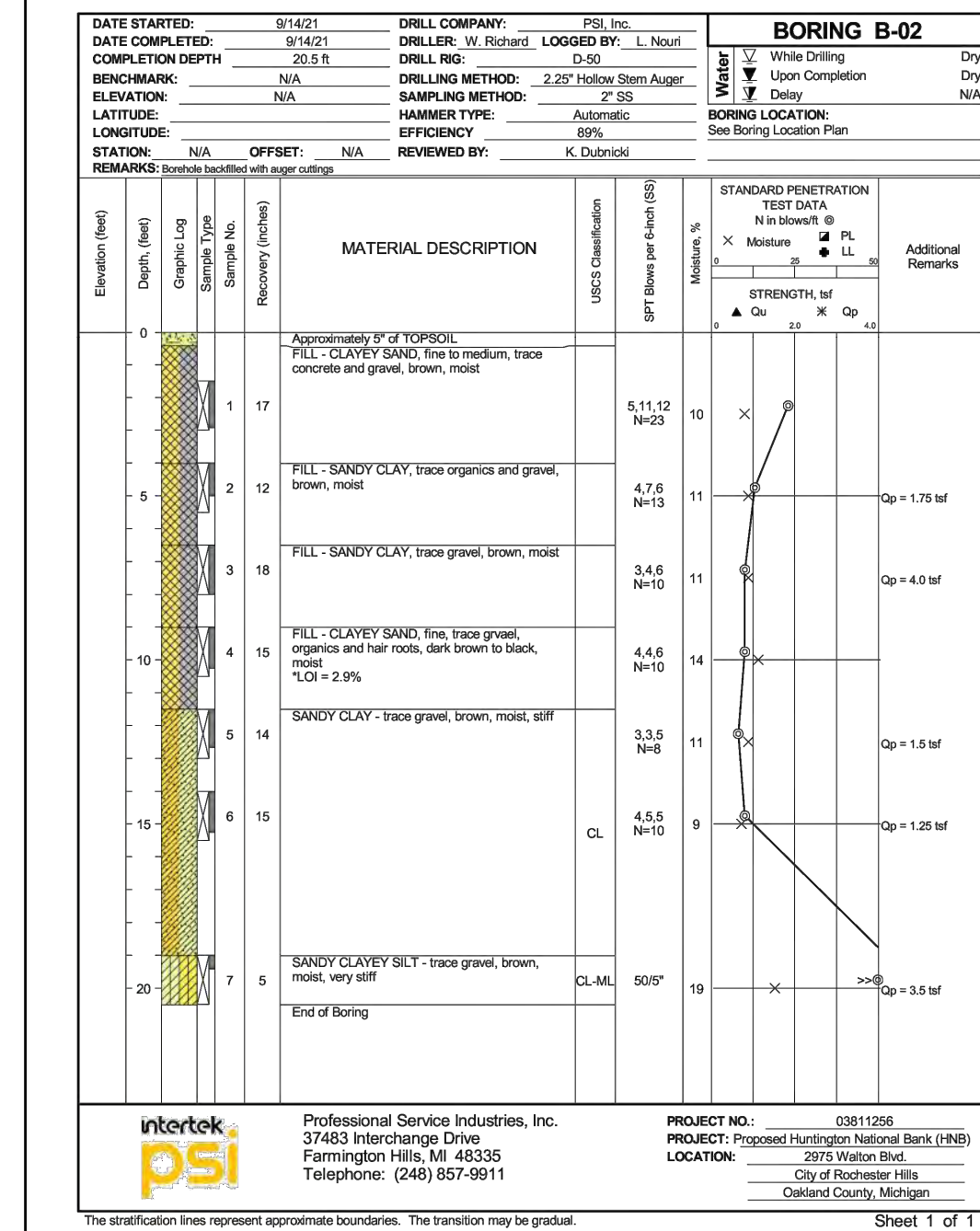
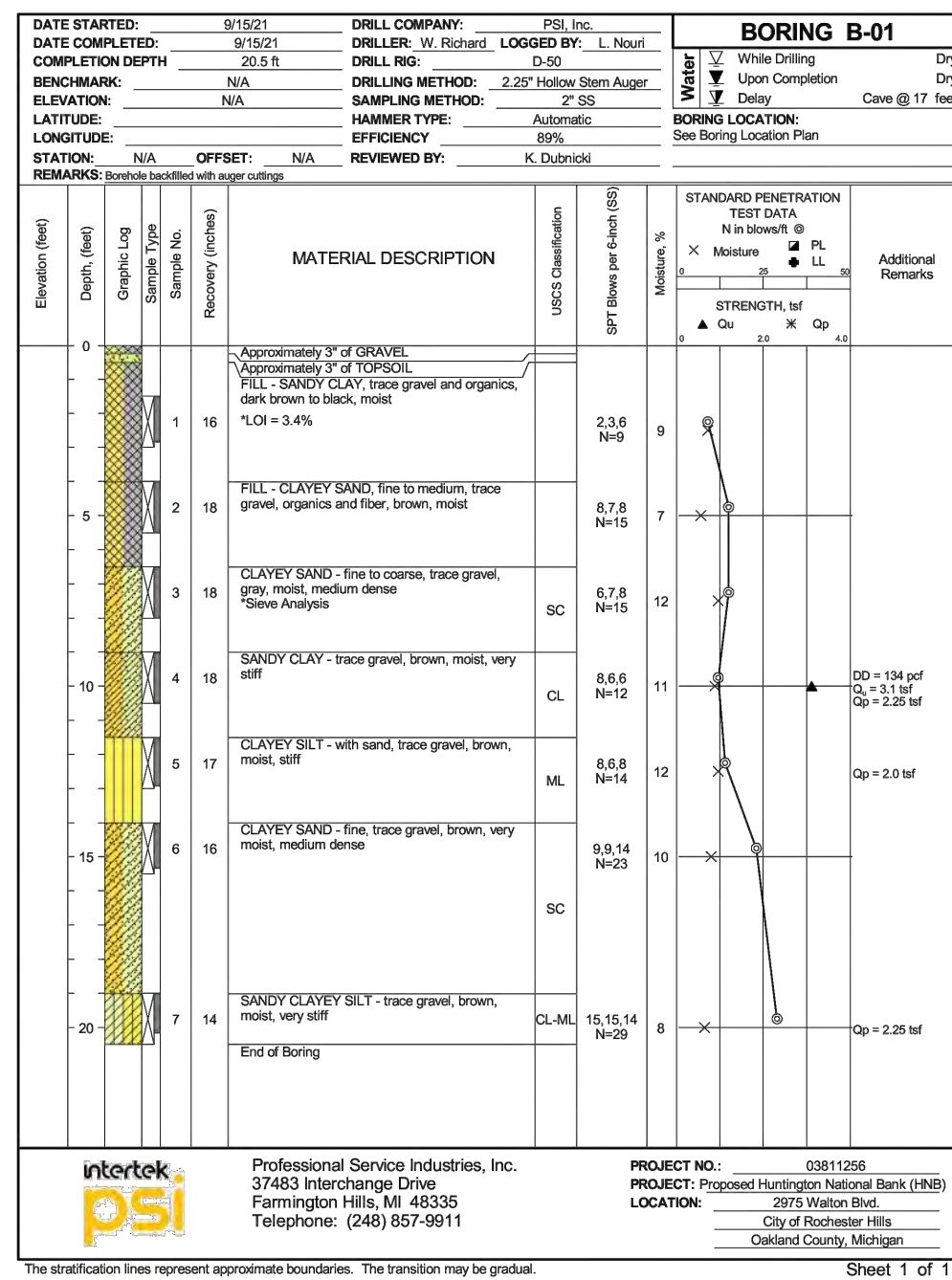
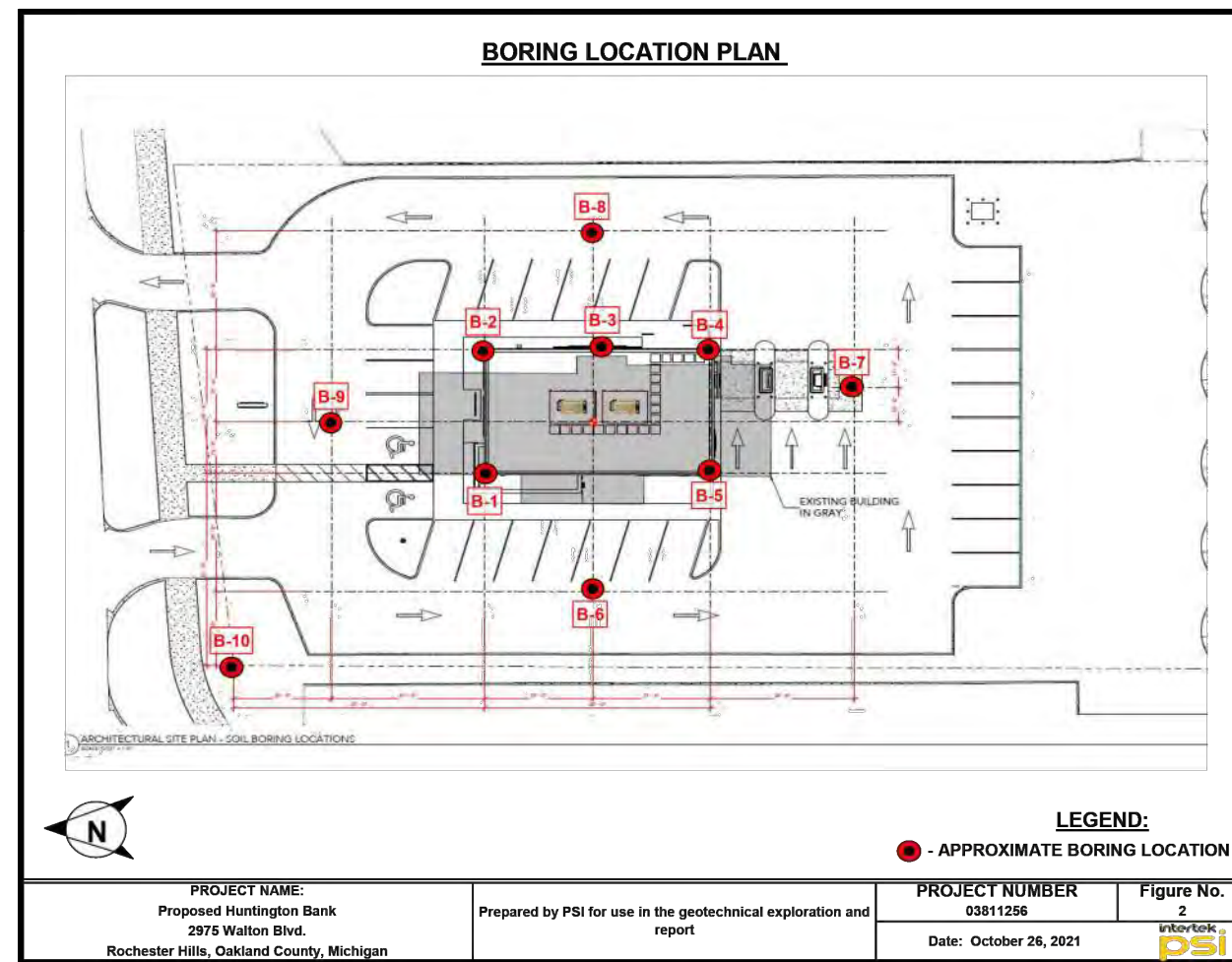
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CONSTRUCTION DETAILS

SHEET NUMBER:

C5.4



GENERAL NOTES

SAMPLE IDENTIFICATION
The Unified Soil Classification System (USCS), AASHTO 1998 and ASTM designations D2487 and D-2488 are used to identify the encountered materials unless otherwise noted. Coarse-grained soils are defined as having more than 50% of their dry weight retained on a #200 sieve (0.075mm); they are described as: boulders, cobbles, gravel or sand. Fine-grained soils have less than 50% of their dry weight retained on a #200 sieve; they are defined as silts or clays depending on their Atterberg Limit attributes. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size.

DRILLING AND SAMPLING SYMBOLS
SFA: Solid Flight Auger - typically 4" diameter
HSA: Hollow Stem Auger - typically 3 1/2" or 4 1/2" I.D.
M.R.: Mud Rotary - Uses a rotary head with Bentonite or Polymer Slurry
R.C.: Diamond Bit Core Sampler
P.A.: Hand Auger
P.A.: Power Auger - Handheld motorized auger

SOIL PROPERTY SYMBOLS
N: Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2-inch O.D. Split-Spoon.
N₆₀: A "N" penetration value corrected to an equivalent 60% hammer energy transfer efficiency (ETR)
q_u: Unconfined compressive strength, TSF
q_u: Pocket penetrometer value, unconfined compressive strength, TSF
w_L: Moisture/water content, %
LL: Liquid Limit, %
PL: Plastic Limit, %
PI: Plasticity Index = (LL-PL), %
DD: Dry unit weight, pcf
γ_w: Apparent groundwater level at time noted

RELATIVE DENSITY OF COARSE-GRAINED SOILS
Relative Density: N₆₀/Blows/ft
Description: Criteria

ANGULARITY OF COARSE-GRAINED PARTICLES
Description: Criteria

GRAIN SIZE TERMINOLOGY
Component: Size Range

PARTICLE SHAPE
Description: Criteria

RELATIVE PROPORTIONS OF FINES
Description: Criteria

GENERAL NOTES

CONSISTENCY OF FINE-GRAINED SOILS
q_u: ESE N₆₀/Blows/ft Consistency

MOISTURE CONDITION DESCRIPTION
Criteria: Description

RELATIVE PROPORTIONS OF SAND AND GRAVEL
Description: Term % Dry Weight

STRUCTURE DESCRIPTION
Description: Criteria

SCALE OF RELATIVE ROCK HARDNESS
q_u: ESE Consistency

ROCK BEDDING THICKNESSES
Description: Criteria

ROCK Voids
Void Diameter: Criteria

ROCK QUALITY DESCRIPTION
Rock Mass Description: RQD Value

DEGREE OF WEATHERING
Description: Criteria

SOIL CLASSIFICATION CHART

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

MAJOR DIVISIONS	SYMBOLS	TYPICAL DESCRIPTIONS
GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS	GW: WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
	LITTLE OR NO FINES	GP: POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
	GRAVELS WITH FINES	GM: SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
SAND AND SANDY SOILS	CLEAN SANDS	SW: WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
	LITTLE OR NO FINES	SP: POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
	SANDS WITH FINES	SM: SILTY SANDS, SAND-SILT MIXTURES
FINE GRAINED SOILS	LIMIT HARD	ML: INORGANIC SILTS AND VERY FINE SANDS, ROCKING CLAY, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
	LIQUID HARD	CL: INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
	LIQUID SOFT	OL: ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
HIGHLY ORGANIC SOILS	LIQUID HARD	MH: ORGANIC SILTS, SILTICIOUS OR DUCTILE ORGANIC FINE SAND OR SILTY SOILS
	LIQUID MEDIUM	CH: INORGANIC CLAYS OF HIGH PLASTICITY
	LIQUID SOFT	OH: ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
		PT: PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

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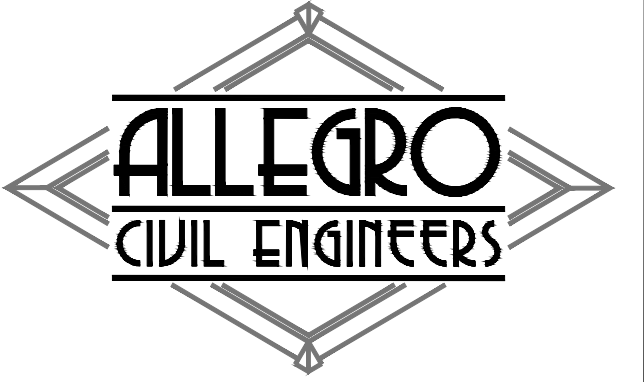
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SHEET TITLE:
SOIL BORING DATA SHEET

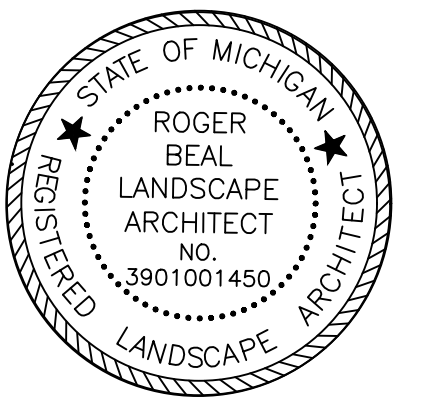
SHEET NUMBER:
C6.0

PROVIDED BY:



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4322 N. LINCOLN AVE. SUITE A
CHICAGO, IL 60625
(312) 940-4393

PROFESSIONAL SEAL:



PROPOSED TENANT
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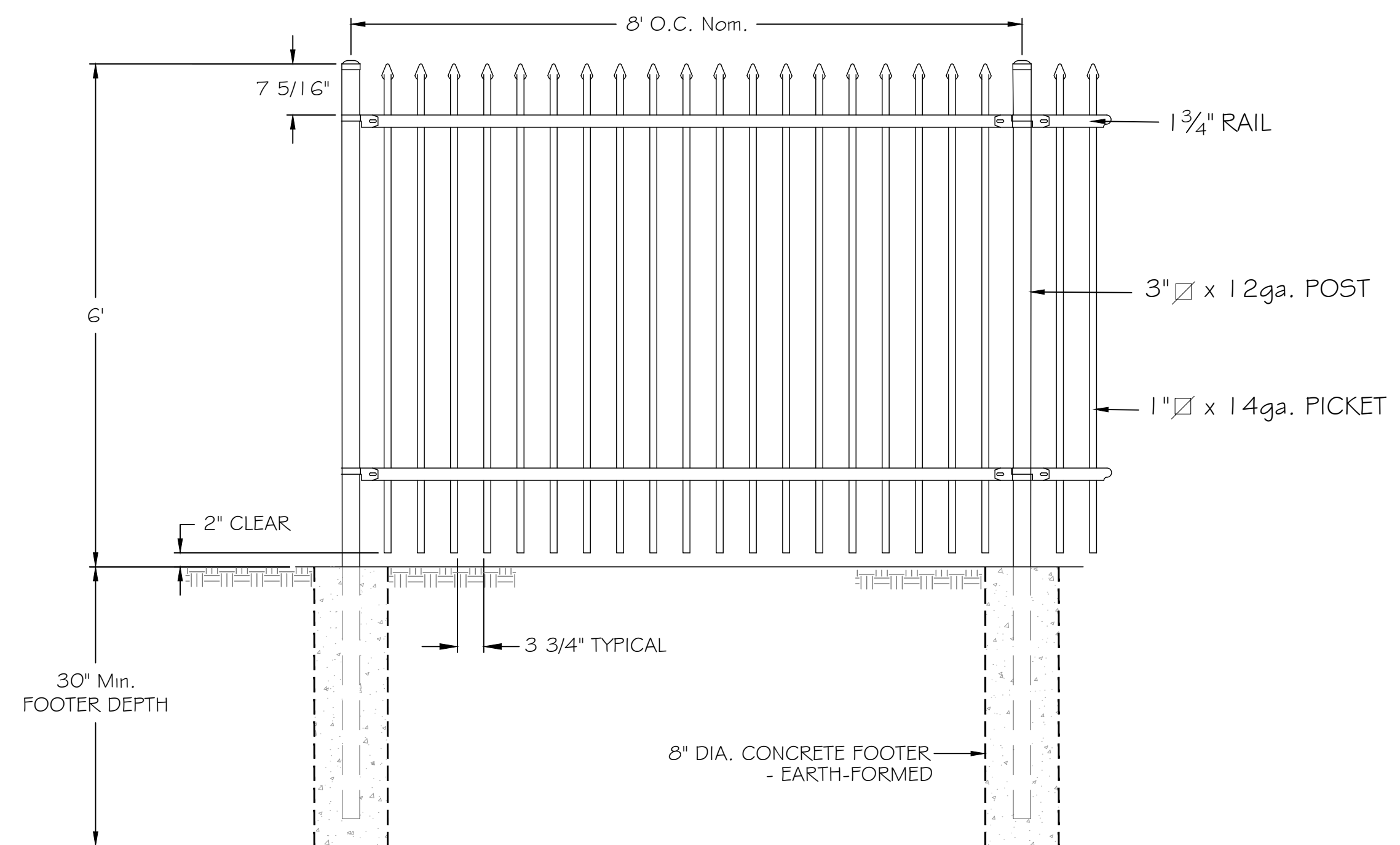
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FENCE SECTION ELEVATION

NTS

1. MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.
2. ALL POSTS SHALL BE INSTALLED VERTICALLY. WHERE POSTS ARE INSTALLED ON AN INCLINED SURFACE, THE ANGLE OF THE POST SHALL BE ADJUSTED SO THAT THE POST WILL BE VERTICAL.

LANDSCAPE ARCHITECT:
YELLOW SPRINGS DESIGN
PO Box 472 205 PARK MEADOWS DR.
YELLOW SPRINGS, OHIO 45387
(O) 937.767.8199 (M) 937.654.8199
yellowspringsdesign@bizwoh.ir.com
LICENSED IN: OH, KY, PA, VA, IN, IL,
MI, MO, TX, OK, KS, IA, NM, AZ, CO & UT

SHEET TITLE:

**ORNAMENTAL FENCE
DETAIL**

SHEET NUMBER:

L 1.1

To whom it may concern,

Per the request of HNB representatives, I have carefully evaluated a set of trees at the following location:

2975 Walton Blvd.
Rochester, MI 48309

The evaluation of the trees was to determine the following:

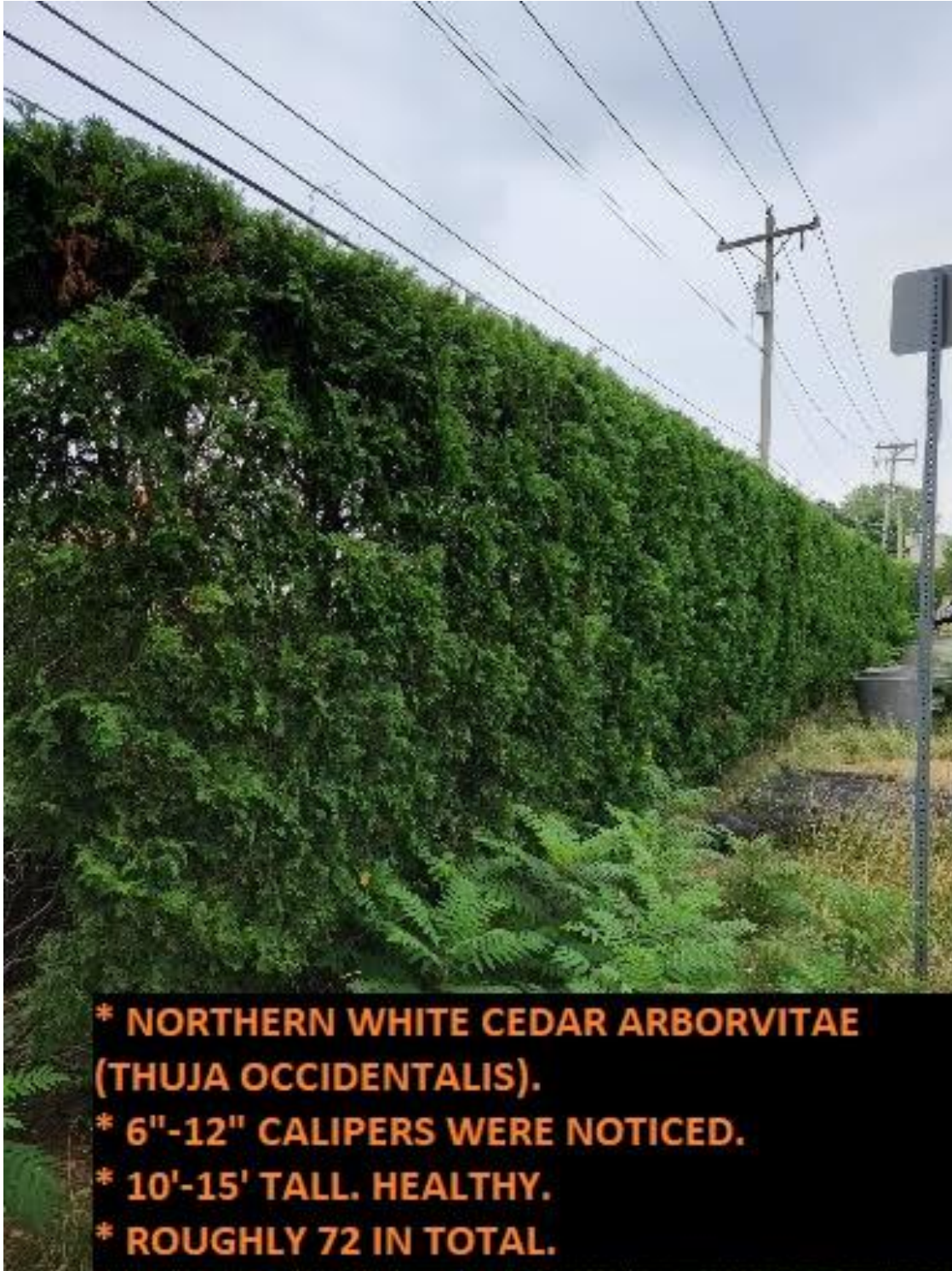
- Type of tree (species)
- Size of trees
- Condition / health of trees

The following is my assessment:



SAIGA

SOLUTIONS LLC.



SAIGA

SOLUTIONS LLC.



If you have any questions or need any further information in regard to this matter, please don't hesitate to contact me at (419) 575-3477. I look forward to hearing from you.

Regards,

Sean Seifert

Owner / Operator

sseifert@saigasolutions.com

www.saigasolutions.com

Bowling Green • Ohio 43402 • T 419-575-3477

www.saigasolutions.com

SAIGA SOLUTIONS LLC.

The west portion is not part of the multi-parcel detention pond, revise.



If you have any questions or need any further information in regard to this matter, please don't hesitate to contact me at (419) 575-3477. I look forward to hearing from you.

Regards,

Sean Selfert

Owner / Operator

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