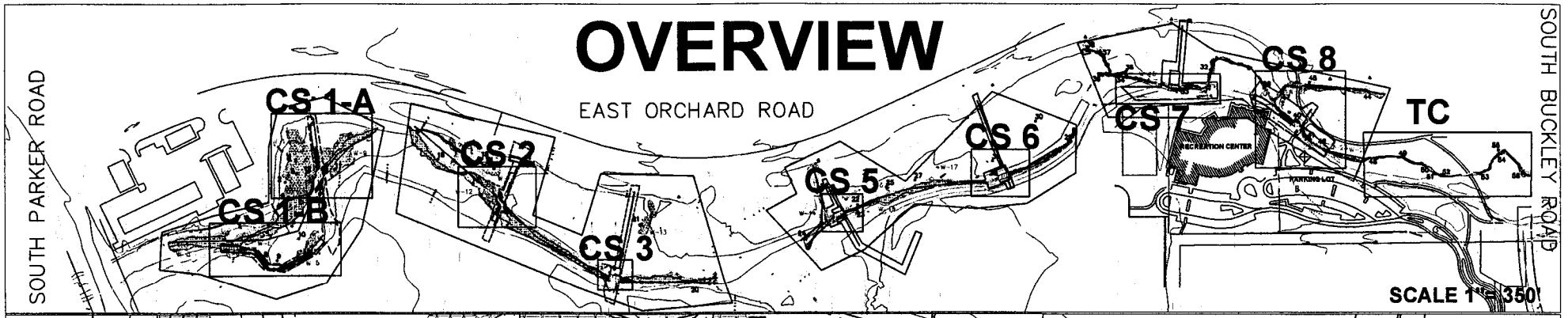
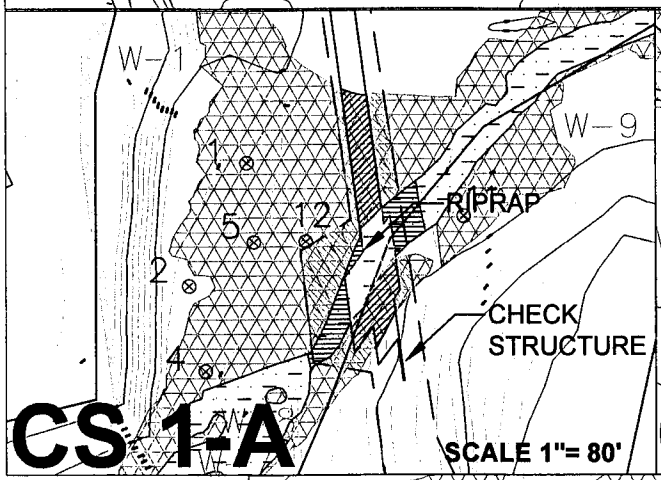
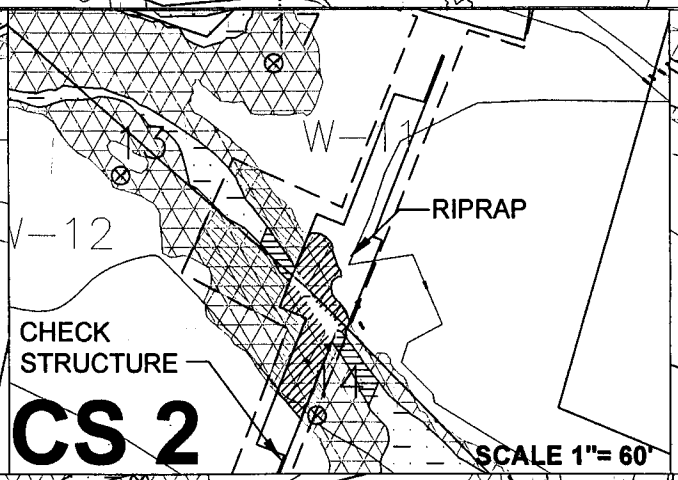
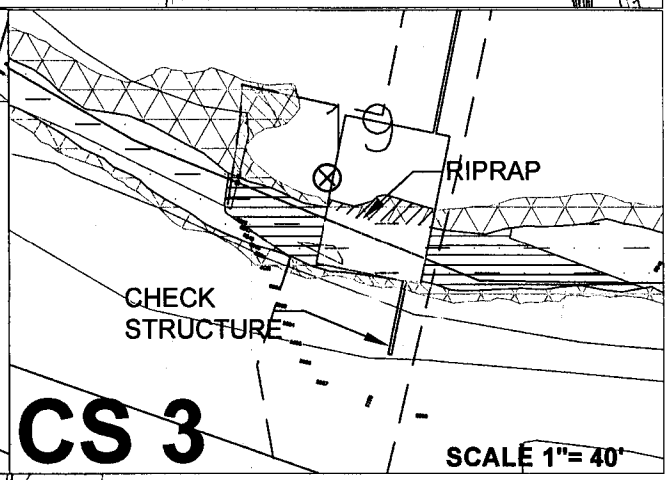
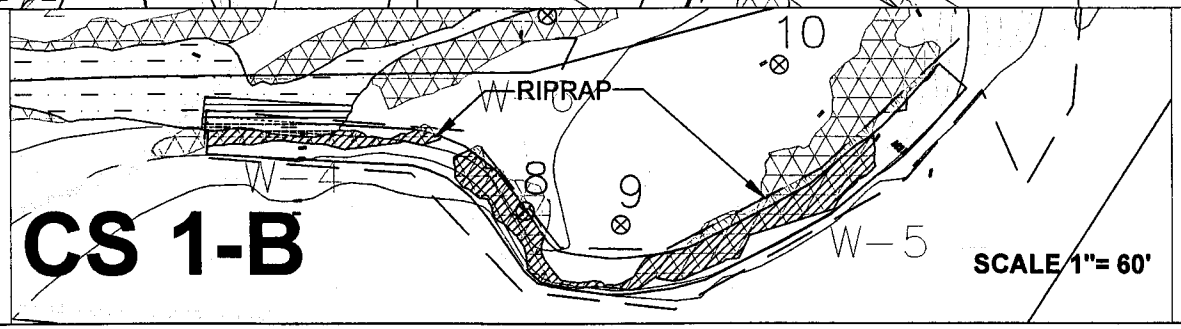
OVERVIEW







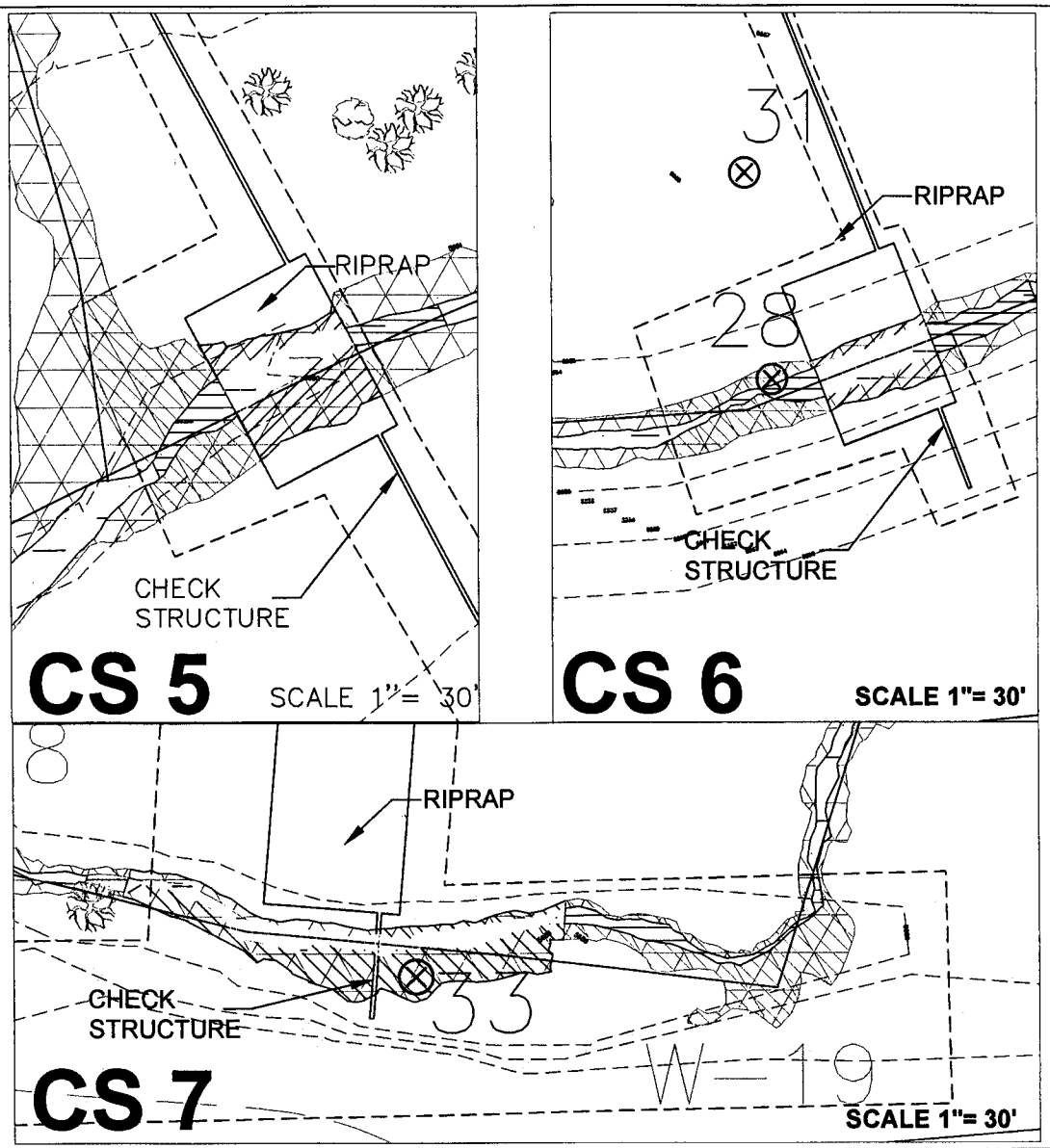




LEGEND

- CS 1 — Check Structure
- ⊗13 — Sample Point
- – – – – – Zone of Temporary Impacts
- ——— Zone of Permanent Impacts
- Wetlands
- Other Waters of U.S.
- Perm. Impacts Wetlands (Fill Area)
- Temp. Impacts Other Waters of U.S.
- Temp. Impacts Wetlands
- Perm. Impacts Other Waters of U.S. (Fill Area)
- Proposed Rec. Center
- Proposed Trails

Drawn by AMS Checked by PLS	SMITH ENVIRONMENTAL INC. 1001 W. 120th Ave., Suite 210, Westminster, CO 80234	\\server\company\Autocad\Projects\Urban Drainage\Piney Creek\IP-APP\ FIG 2a,2b and 2c.dwg	Figure 2a - Piney Creek Plan View and Impacts	Project No 2002-56



Drawn by AMS
Checked by PLS

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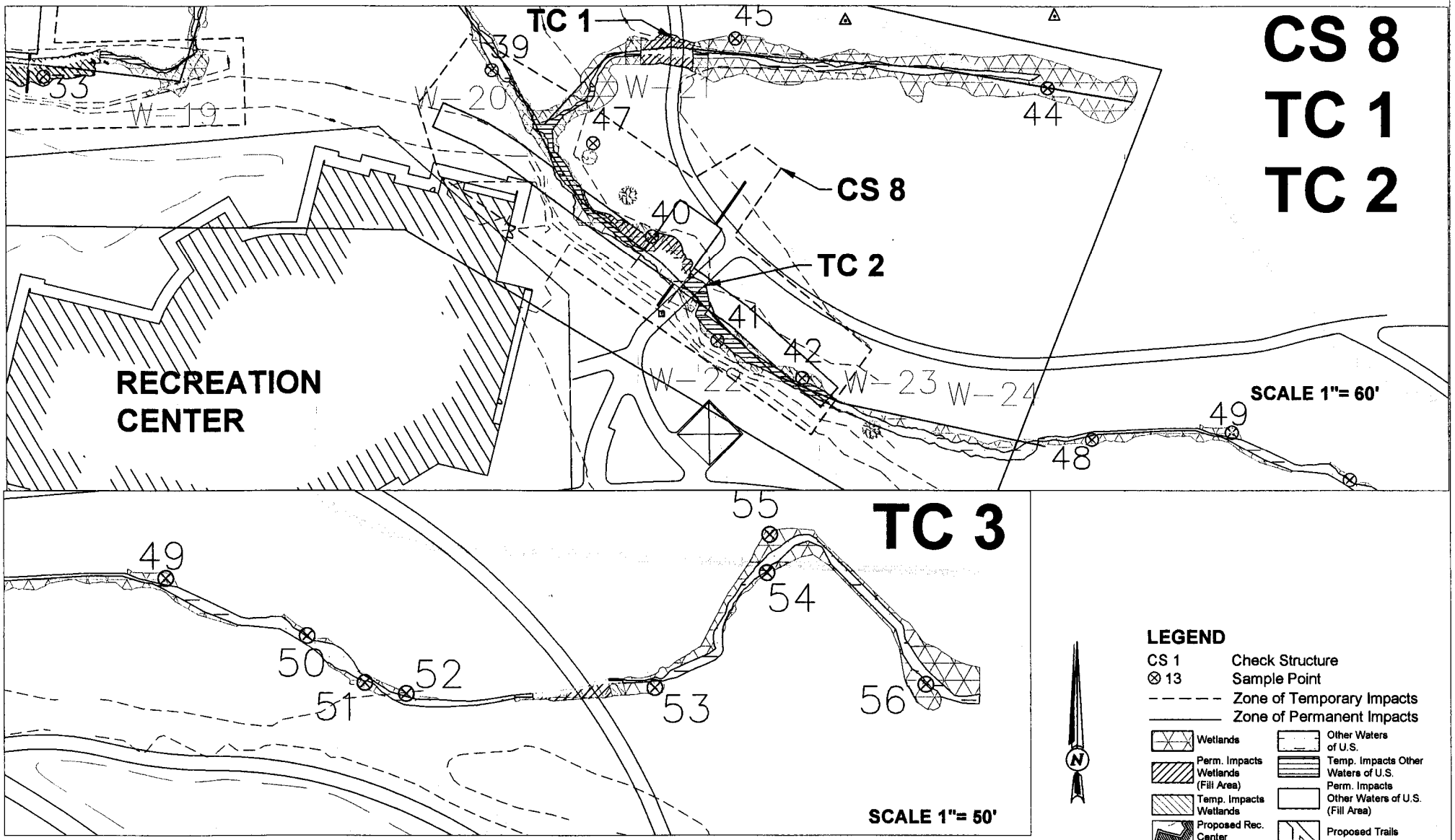
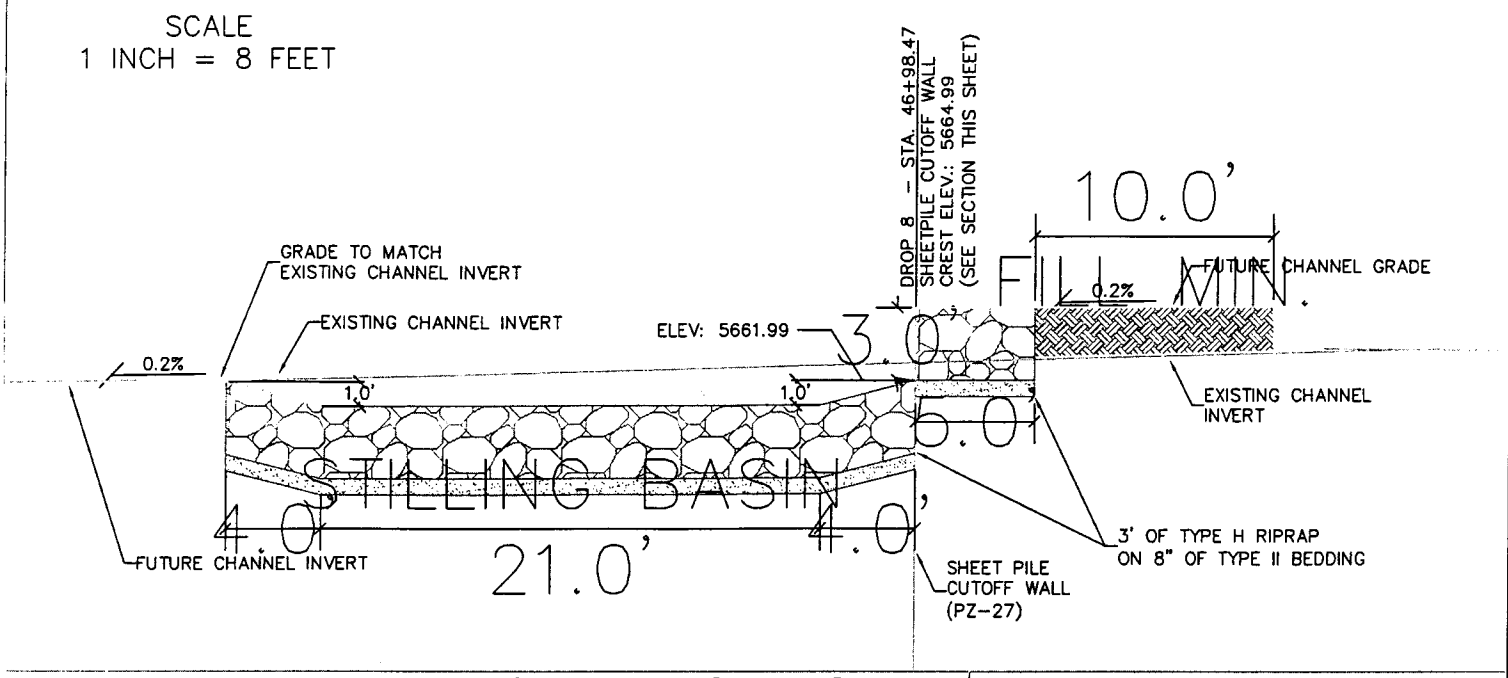
\\server\company\Autocad\Projects\Urban Drainage\Piney Creek\IP-APP\ FIG 2a,2b and 2c.dwg

Figure 2b - Piney Creek
Plan View and Impacts

Drawing No
Sheet
Project No 2002-58
of Sheets

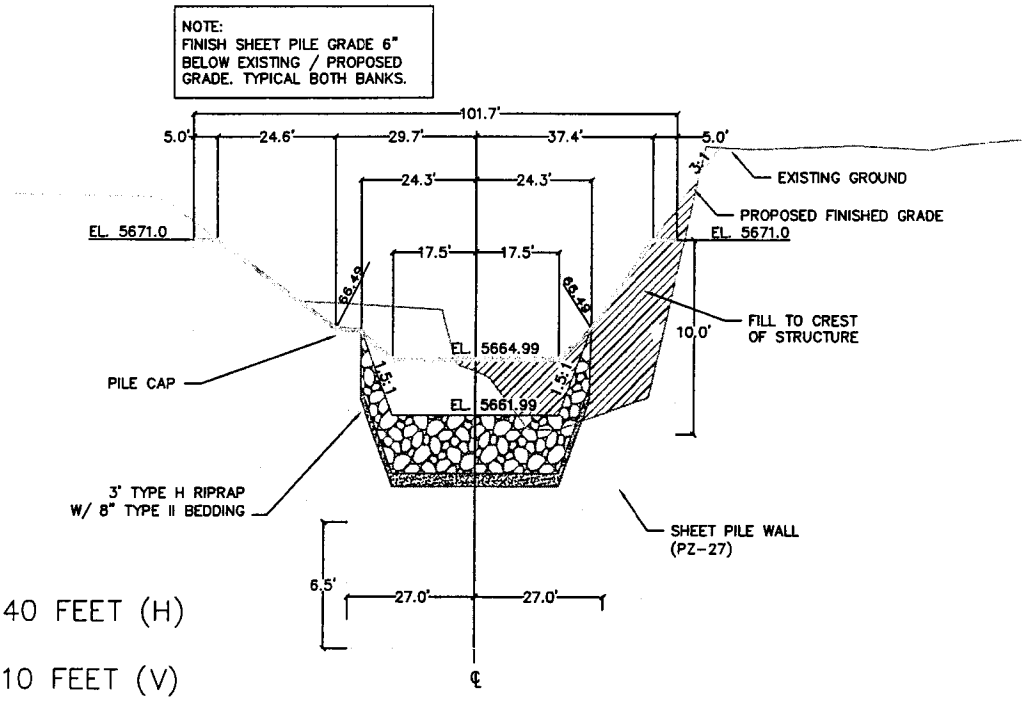


Drawn by AMS Checked by PLS	SMITH ENVIRONMENTAL INC. 1001 W. 120th Ave., Suite 210, Westminster, CO 80234	\\server\company\Autocad\Projects\Urban Drainage\Piney Creek\IP-APP\ FIG 2a,2b and 2c.dwg	Figure 2c - Piney Creek Plan View and Impacts Project No 2002-56



Side View Cross Section of a Typical Check Structure

(looking across the stream)



SCALE 1 INCH = 40 FEET (H)

SCALE 1 INCH = 10 FEET (V)

Front View Cross Section of a Typical Check Structure

(looking upstream)

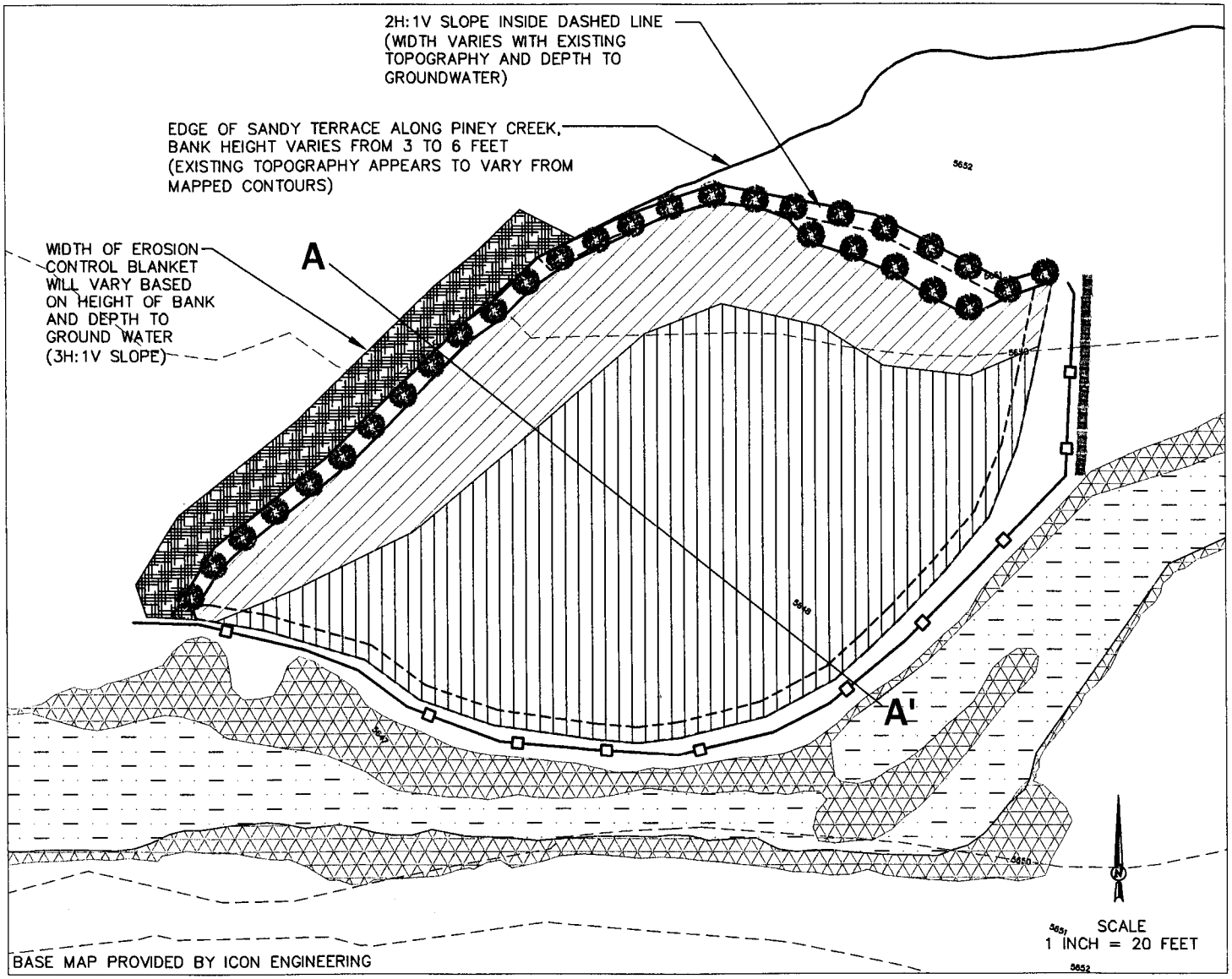
BASED ON PRELIMINARY DRAWINGS
PROVIDED BY ICON ENGINEERING

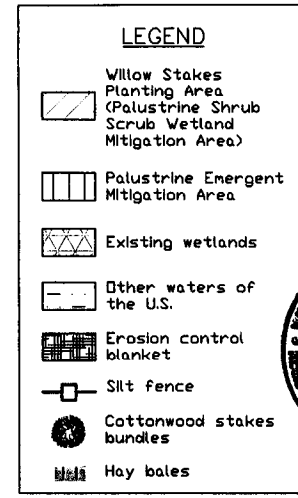
Urban Drainage and Flood Control District

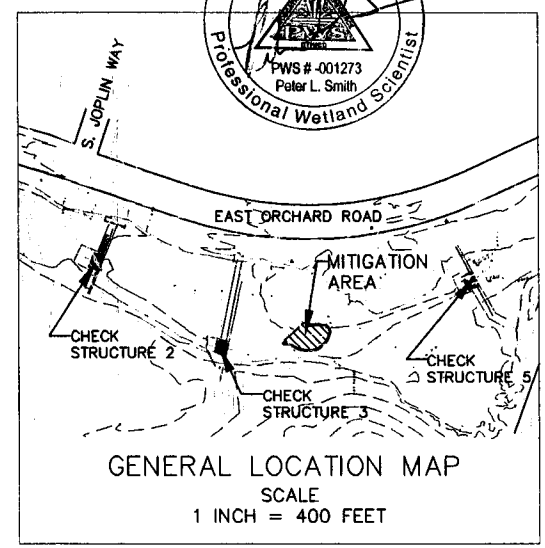
SMITH ENVIRONMENTAL INC.
1001 W. 120th Ave., Suite 210, Westminster, CO 80234

\\Server\Company\Autocad\Projects\Urban Drainage\Piney Creek\IP-APP\Figure 3.dwg

Figure 3 Cross Section of Typical Check Structure







Society of Wetland Scientists
PWS # -001273
Peter L. Smith
Professional Wetland Scientist

Peter L. Smith #049
EXPIRES 4/1/04
REGISTERED PROFESSIONAL SOIL SCIENTIST

01/05/05	Mitigation Plan	FF	
01/05/05	Mitigation Plan	PLS	

Drawn by AMS
Checked by PLS
Checked by FF

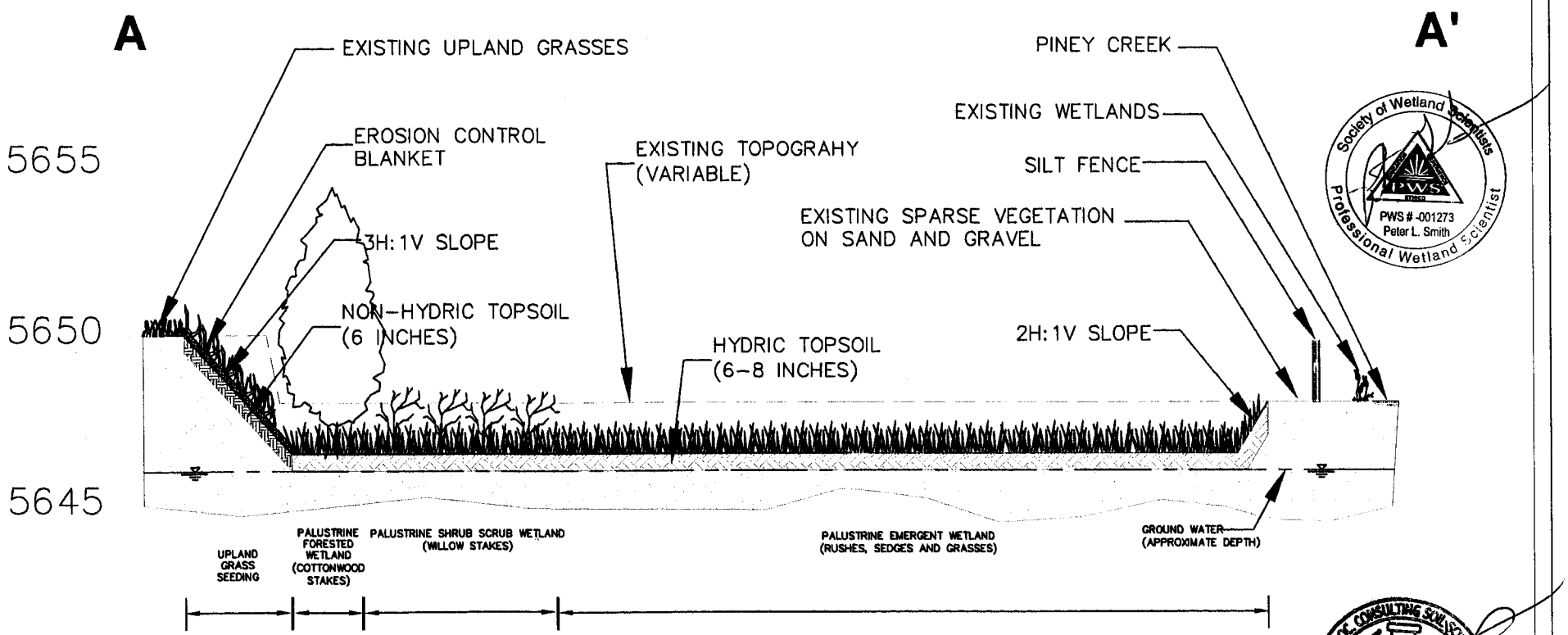
SMITH ENVIRONMENTAL INC.
1001 W. 120th Ave., Suite 210, Westminster, CO 80234

\\Server\company\Autosad\Projects\Urban Drainage\Piney Creek\IP-APP\Figure 4.dwg

Figure 4 - Piney Creek
Wetland Mitigation
Site Plan View

Drawing No.
Project No. 2002-56 Task 5
Sheet of Sheets
Scale

SEE PLAN VIEW FOR LOCATION
OF CROSS-SECTION



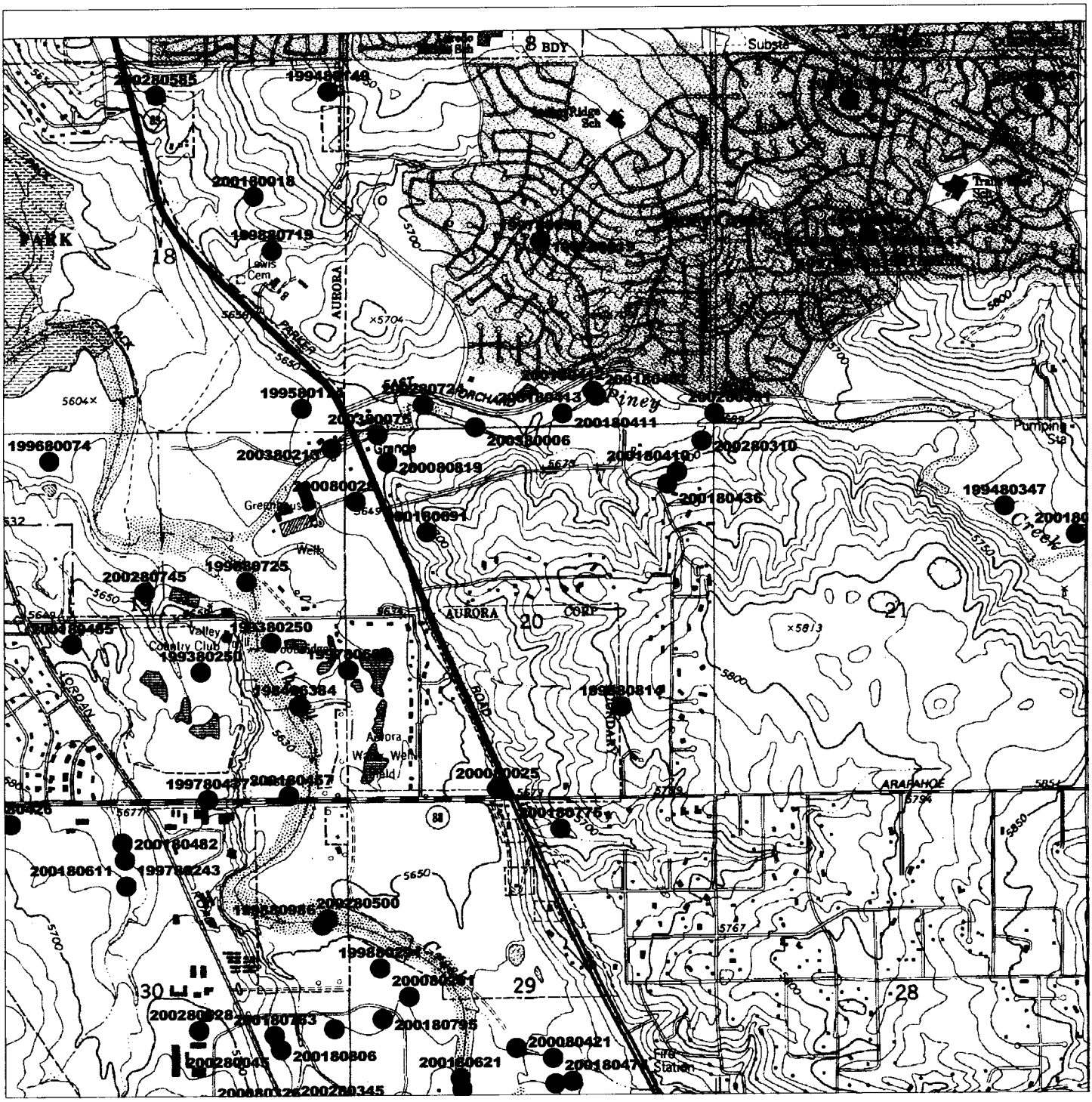
VERTICAL SCALE 1 INCH = 3 FEET

HORIZONTAL SCALE 1 INCH = 10 FEET

Society of Wetland Scientists
PWS # -001273
Peter L. Smith
Professional Wetland Scientist

NAT. SOC. CONSULTING SOIL SCIENTISTS
Peter L. Smith
#049
EXPIRES 4/1/04
REGISTERED PROFESSIONAL SOIL SCIENTIST

Drawn by AMS	SMITH ENVIRONMENTAL INC.		Figure 5 - Piney Creek
Checked by PLS	1001 W. 120th Ave., Suite 210, Westminster, CO 80234		Wetland Mitigation Cross-Section
01/05/04 Mitigation Plan FF			Drawing No.
01/05/04 Mitigation Plan PLS			Project No. 2002-56
Checked by FF			Sheet of Sheets



Application by
Arapahoe County

Adjacent Property Owners

Action ID: 200380006
Purpose: Piney Creek Channel Work
State: CO
County: Arapahoe
Legal: Sec. 17, T5 South, R66 West
River Mile:
Lat: 39-36-34.0304
Long: 104-48-12.2295