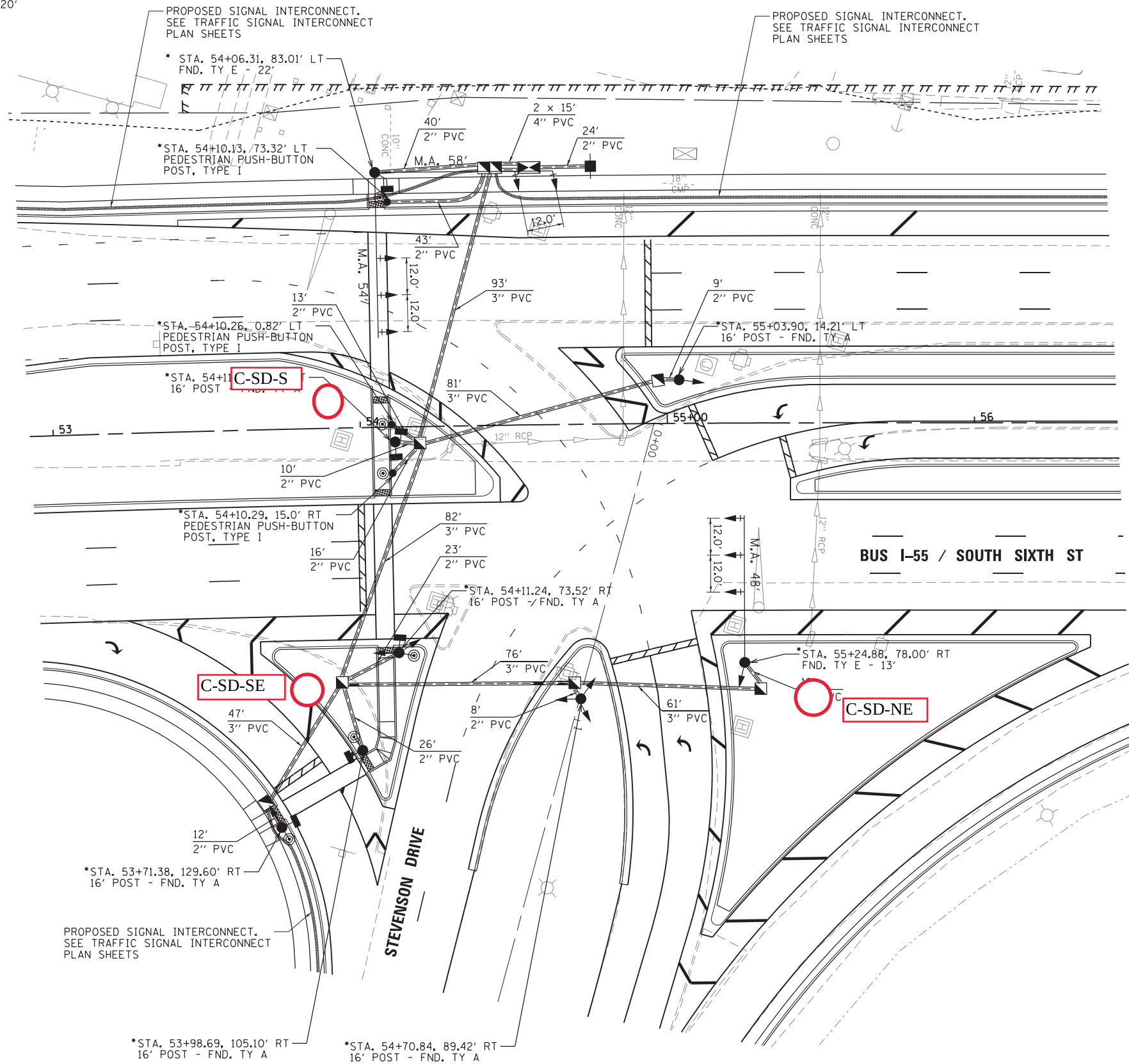
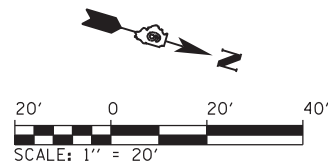




By: Luke Murphy *LTM*

Intersection Quadrant	Mast Arm Length	Recommendations				
		Foundation Diameter	Foundation Depth	Spiral Diameter	Quantity of Rebar	Size of Rebar
NE	48'	36"	13'	30"	12	7
SW	58' & 54'	42"	21'	36"	16	8

Cc: Chris Siefert



BILL OF MATERIALS
SIXTH STREET AND STEVENSON DRIVE

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	193
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	440
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	30
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	729
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
FIBER OPTIC CABLE IN CONDUIT, 24 FIBERS, SINGLE MODE	FOOT	3412
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1223
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2762
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1164
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 18 3C	FOOT	729
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	53
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	746
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	6
PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 58 FT AND 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	18
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	22
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE	EACH	16
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	15
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	18
CAMERA MOUNTING ASSEMBLY	EACH	3
VIDEO VEHICLE DETECTION SYSTEM	EACH	1
COMBINATION LIGHTING CONTROLLER	EACH	1
TEMPORARY LIGHTING SYSTEM	L SUM	1

GENERAL NOTES

- SEE TRAFFIC SIGNAL INTERCONNECT SHEETS FOR PROPOSED CONDUIT OUTSIDE SHEET LIMITS & PROPOSED SIGNAL INTERCONNECTS.
- SEE REMOVAL SHEETS FOR EXISTING HANDHOLE AND CONCRETE FOUNDATION REMOVAL. ALL ITEMS INCLUDED UNDER REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT ARE LISTED ON THE TEMPORARY TRAFFIC SIGNAL LAYOUT SHEET.
- REMOVED TRAFFIC SIGNAL EQUIPMENT SHALL BE RETURNED TO IDOT.

***NOTE:** BEFORE ANY OF THESE FOUNDATIONS ARE AUGERED, CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES. ADJUSTMENTS TO ACCOMMODATE EXISTING UTILITIES SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

L:\IDOT\1706602-Dr-aw\CA00-Sheets\Contract 1\0672D17-sht-ts.012-Stevenson-PropTrafSign.dgn

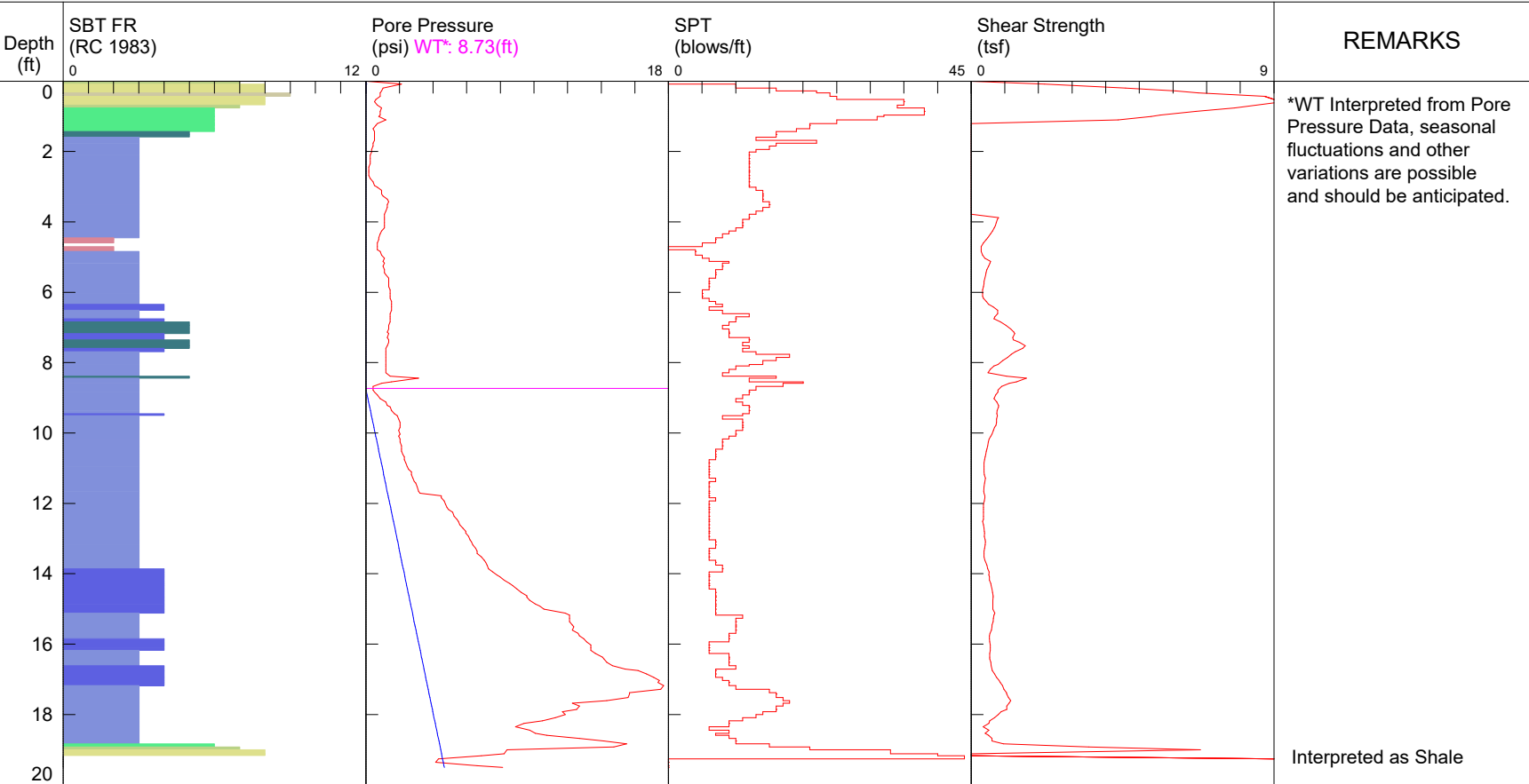
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...\\0672D17-sht-ts.012-Stevenson-PropTrafSign.dgn		DRAWN -	REVISED -			666	(110X-5)WRS, N, S	SANGAMON	555	451
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 72D17				
	PLOT DATE = 1/16/2023	DATE - 1/13/2023	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET 12 OF 18 SHEETS STA. TO STA.

C-SD-NE

TOTAL DEPTH: 19.505 ft
SITE: Stevenson Dr and S 6th
SOUNDING
COMPANY: Illinois DOT
FILENAME: C-SD-S(005).DAT

PROBE ID: 4644.186XX
TEST ID: C-SD-NE
PROJECT: Contract 72D17
LOCATION: NE Quad Sta 55+50 67' RT



NOTES:: Example of notes

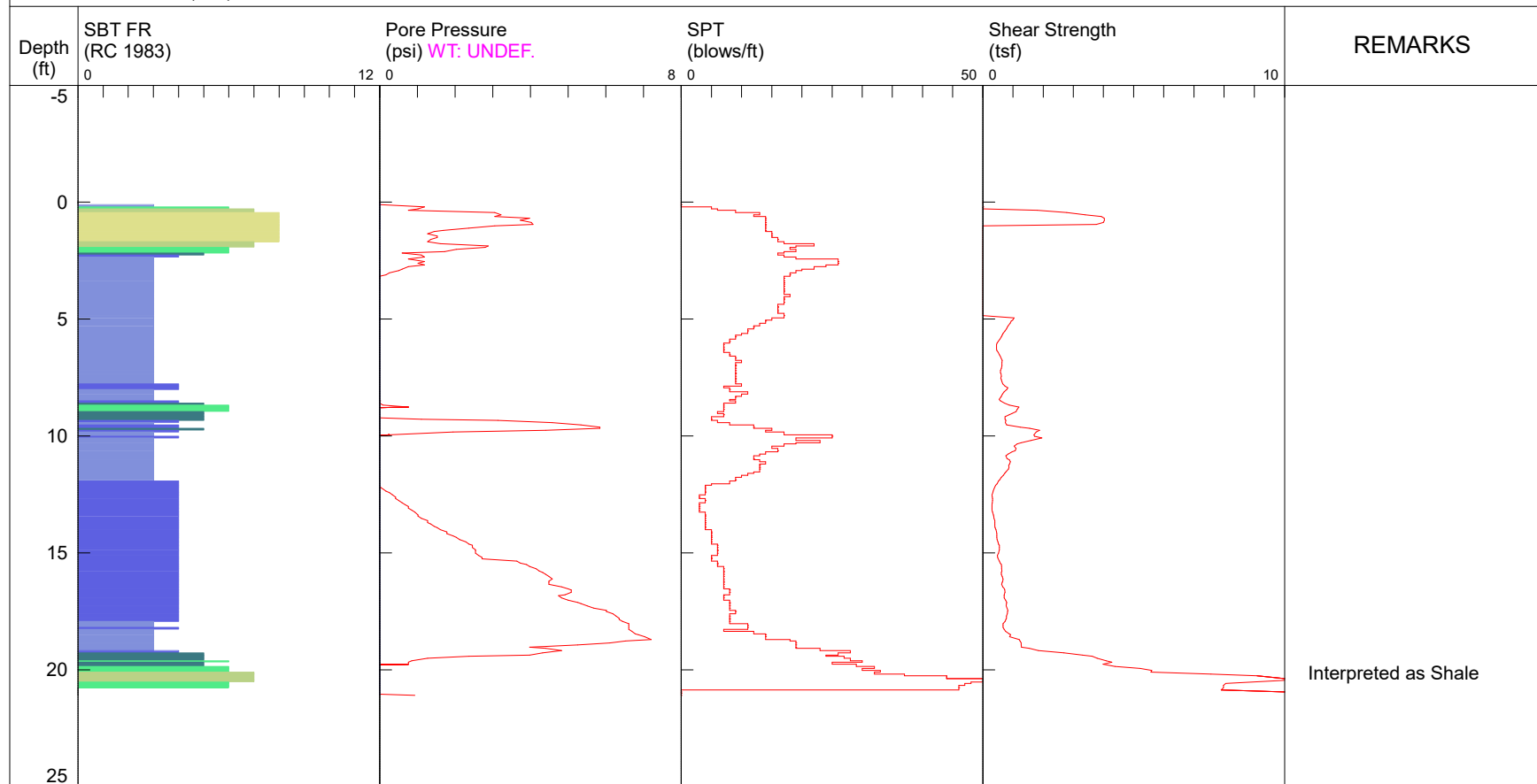
- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay | 7 silty sand to sandy silt | 10 gravelly sand to sand |
| 2 organic material | 5 clayey silt to silty clay | 8 sand to silty sand | 11 very stiff fine grained (*) |
| 3 clay | 6 sandy silt to clayey silt | 9 sand | 12 sand to clayey sand (*) |

*SBT/SPT CORRELATION: UBC-1983

C-SD-SE

TOTAL DEPTH: 21.094 ft
 SITE: Stevenson Dr and S 6th
 SOUNDING
 COMPANY: Illinois DOT
 FILENAME: C-SD-S(004).DAT

PROBE ID: 4644.186XX
 TEST ID: C-SD-SE
 PROJECT: Contract 72D17
 LOCATION: S Median Sta 53+91 93.4' RT



NOTES:: Example of notes

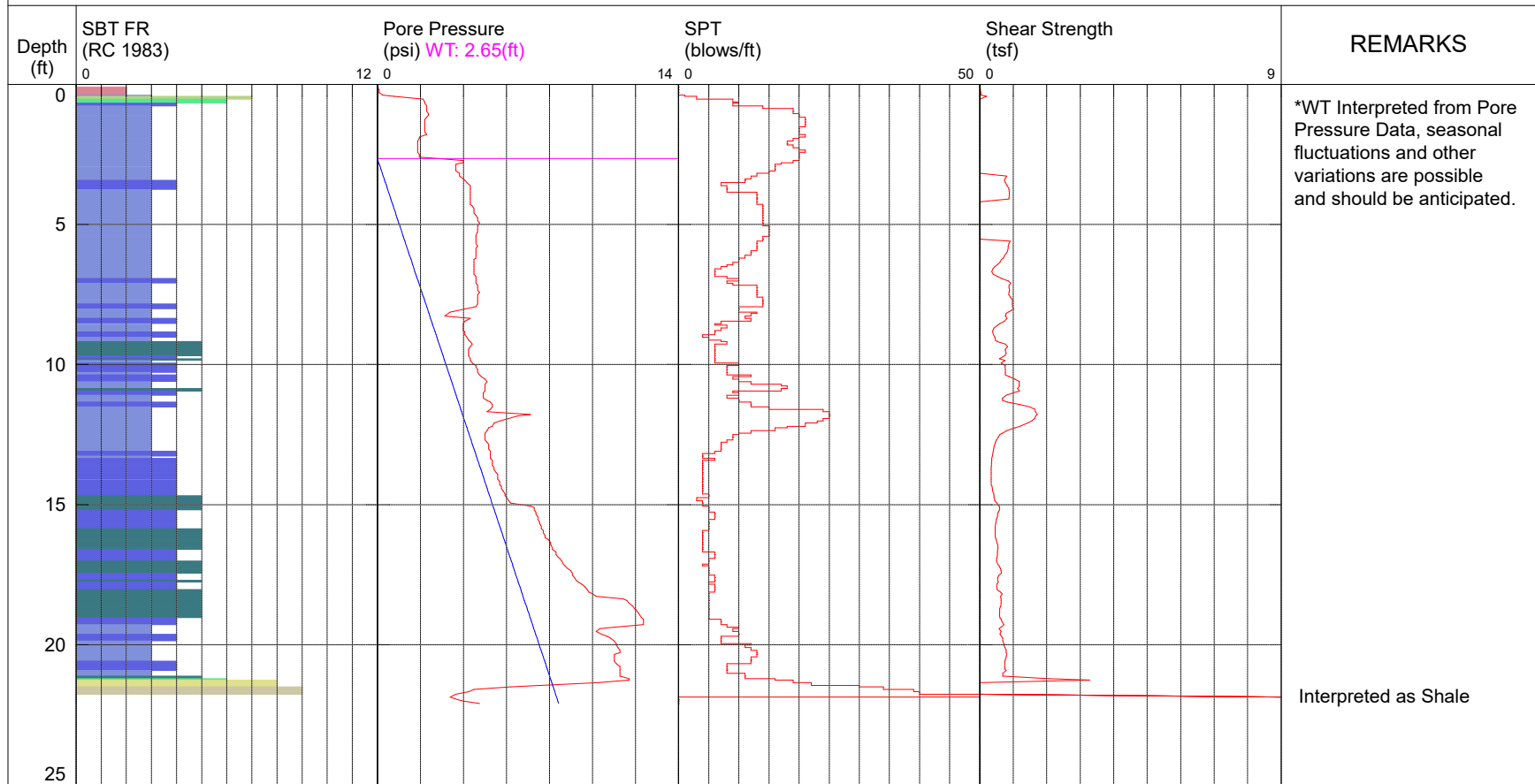
- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay | 7 silty sand to sandy silt | 10 gravelly sand to sand |
| 2 organic material | 5 clayey silt to silty clay | 8 sand to silty sand | 11 very stiff fine grained (*) |
| 3 clay | 6 sandy silt to clayey silt | 9 sand | 12 sand to clayey sand (*) |

*SBT/SPT CORRELATION: UBC-1983

C-SD-S

TOTAL DEPTH: 22.092 ft
 SITE: Stevenson Dr and S 6th
 SOUNDING
 COMPANY: Illinois DOT
 FILENAME: C-SD-S(003).DAT

PROBE ID: 4644.186XX
 TEST ID: C-SD-S
 PROJECT: Contract 72D17
 LOCATION: S Median Sta 53+93 12' LT



NOTES:: Example of notes

- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay | 7 silty sand to sandy silt | 10 gravelly sand to sand |
| 2 organic material | 5 clayey silt to silty clay | 8 sand to silty sand | 11 very stiff fine grained (*) |
| 3 clay | 6 sandy silt to clayey silt | 9 sand | 12 sand to clayey sand (*) |

*SBT/SPT CORRELATION: UBC-1983