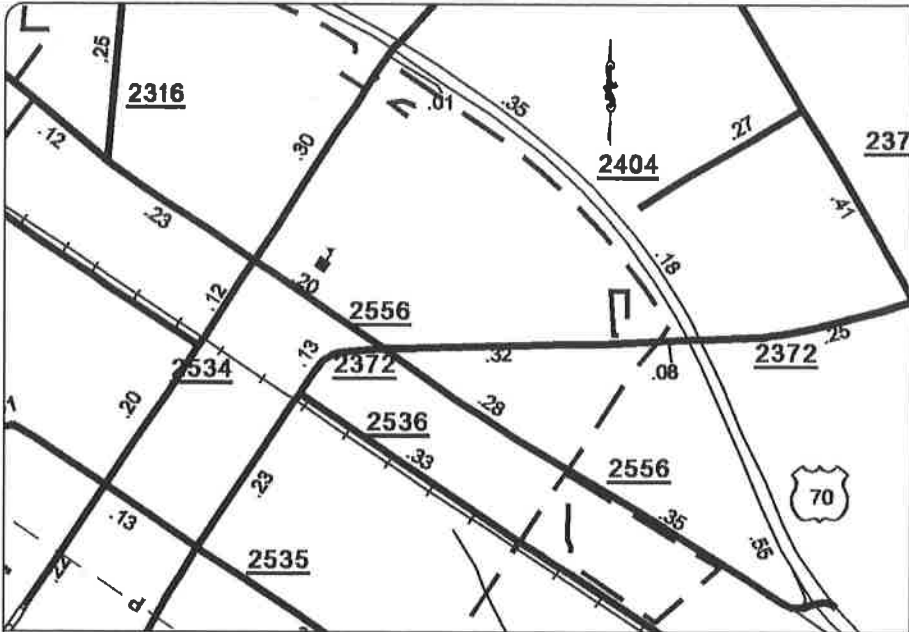


PROJECT: SR 2372

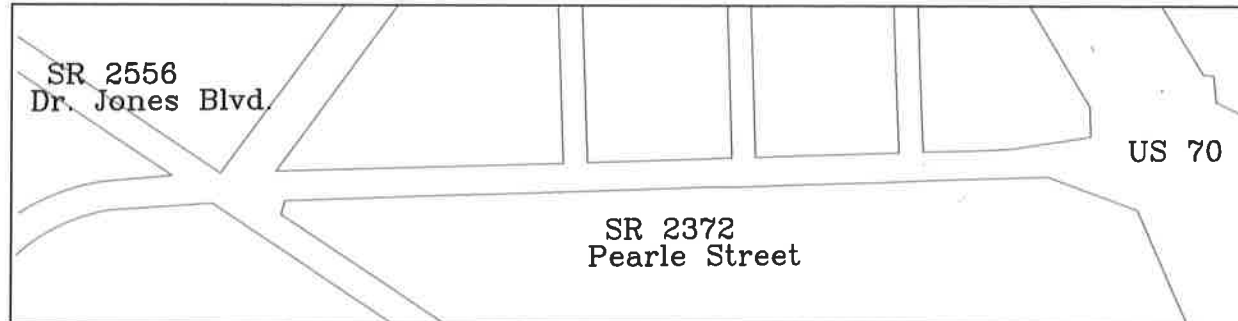


VICINITY MAP
BOON HILL TOWNSHIP

These Erosion and Sediment Control Plans comply with the regulations set forth by the NCG010000 general construction permit effective August 3, 2011 issued by the North Carolina Department of Environment and Natural Resources Division of Water Quality.

UTILITIES:

DUKE ENERGY PROGRESS
CENTURY LINK
TOWN OF PRINCETON



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
JOHNSTON COUNTY

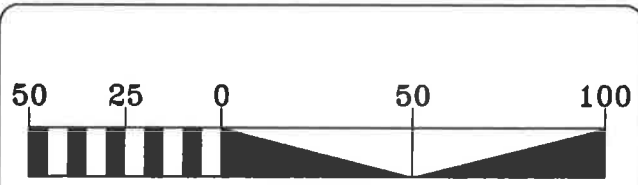
LOCATION: SR 2372 (PEARLE STREET)
FROM SR 2556 (DR. JONES BLVD.) TO US 70
TOTAL LENGTH STATE PROJECT 0.307 = MILES

TYPE OF WORK: GRADING, CURB & GUTTER, ASPHALT PAVING, SIDEWALK,
STORM DRAINAGE, EROSION CONTROL, AND PAVEMENT MARKINGS.

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	6
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

CONVENTIONAL SYMBOLS

Existing Shoulders	---
Curb	---
Exist. Right of Way Line w/Marker	---▲---
Prop. Right of Way Line w/Marker	---▲---
Exist. Right of Way Marker	▲
Prop. Right of Way Marker	▲
Stream or Body of Water	~~~~~
Guy Wire	•
Exist. Power Pole	•
Prop. Power Pole	•
Exist. Telephone Pole	•
Prop. Telephone Pole	•
Exist. Joint Use Pole	•
Prop. Joint Use Pole	•
Telephone Pedestal	⊠
Cable TV Pedestal	⊠
Hydrant	◆
Exist. Water Valve	⊗
Power Manhole	⊙
Telephone Booth	⊠
Water Manhole	⊙
H-Frame Pole	⊠
Power Line Tower	⊠
Pole with Base	⊠
Gas Valve	⊙
Gas Meter	⊙
Telephone Manhole	⊙
Power Transformer	⊠
Sanitary Sewer Manhole	⊙
Storm Sewer Manhole	⊙
Traffic Signal Junction Box	⊠
Fiber Optic Splice Box	⊠
Water Line	---
Sanitary Sewer	---
Gas Line	---
Storm Sewer	---
Power Line	---
Telephone Cable	---
Television Cable	---
Fiber Optics Cable	---
Exist. Water Meter	○
Exist. Iron Pin	○
Parcel Number	⑥
Property Line	PL
City Limits	---
County Line	---
Survey Centerline	---
Fence Line	---
Single Tree	☼
Single Shrub	☼
Hedge	---
Woods Line	---
Standard Gauge	---





Level III-A Certification # 331
Level III-B Certification # 690

PLANS PREPARED BY:
SANDERSON ENGINEERING
2485 WENDELL BLVD P.O. BOX 2018
WENDELL, NC 27591 C-2218
919-386-2016 267-363-7254 FAX
sandersevenengineering@yahoo.com
Engineering and Land Planning

1 Updated Division and District Engineer's names per Charles Cauley 2-2-2015

Prepared for the Office of:
DIVISION 4 DISTRICT 3
DIVISION OF HIGHWAYS
2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____	T. M. LITTLE, P.E. DIVISION ENGINEER		 DESIGN ENGINEER P.E.
LETTING DATE: _____	J. P. HARRELL, P.E. DISTRICT ENGINEER		2-2-2015 DATE

SOIL STABILIZATION TIMEFRAMES

PROJ. REFERENCE NO.

SHEET NO.

TOTAL SHEETS

2-A

6

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE; EXCEPT FOR PERIMETERS AND HQW ZONES.

Erosion and Sediment Control Measures

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	++++++
1606.01	Special Sediment Control Fence	△△△△
1630.02	Silt Basin Type-B	▨
1632.03	Rock Inlet Sediment Trap Type-C	□
1633.01	Temporary Rock Silt Check Type-A	▩
1633.02	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	▩
	Temporary Rock Silt Check Type-B	◀
	Wattle)
	Wattle with Polyacrylamide (PAM)	⊂
1634.02	Temporary Rock Sediment Dam Type-B	⌢
1635.01	Rock Pipe Inlet Sediment Trap Type-A	⊂
1635.02	Rock Pipe Inlet Sediment Trap Type-B	⊂

PIPE INSTALLATION GUIDELINES

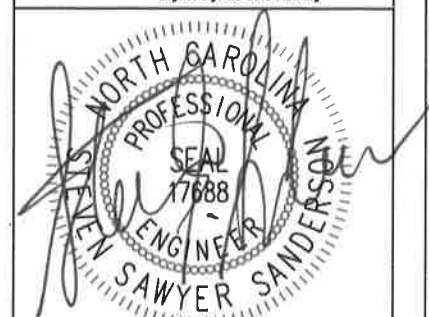
1. INSTALL PIPES IN DRY WORK AREA.
2. INSTALL PIPES AFTER INSTALLATION OF DEWATERING MEASURES OF THE WORK AREA.
3. HANDLE WATER FLOWING THROUGH AREA WITH ACCEPTABLE BMP'S.

EROSION CONTROL SCHEDULE

1. INSTALL EROSION CONTROL MEASURE ACCORDING TO PLANS IN ALL OUTLETS AND AT OTHER DISCHARGE POINTS AFTER CLEARING AND BEFORE GRUBBING BEGINS.
2. CLEAR AND CLEAN OUTFALL DITCHS LEAVING SIDESLOPES AT AN ANGLE THAT CAN BE RETAINED BY VEGETATION. THESE MAY REQUIRE STAGE SEED AND MULCH.
3. BEGIN GRADING OF ROADWAY DITCHES. PLACE EROSION CONTROL MEASURES ALONG ROADWAY DITCHES AS GRADING PROGRESSES.
4. SEED AND MULCH ALL DISTURBED AREAS AS SOON AS ANY PHASE OF GRADING IS COMPLETED.
5. CLEAN AND/OR REWORK ALL TEMPORARY EROSION CONTROL MEASURES AFTER ANY SIGNIFICANT RAINFALL EVENT (OR AS OTHERWISE NEEDED). THESE MEASURES SHOULD BE MAINTAINED UNTIL A PERMANENT VEGATATIVE COVER IS ESTABLISHED.

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 2485 WENDELL BLVD P.O. BOX 2018
 WENDELL, NC 27591 C-2218
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 sandersonengineering@yahoo.com
 Engineering and Land Planning



8-8-2013

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
	2-B	6

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

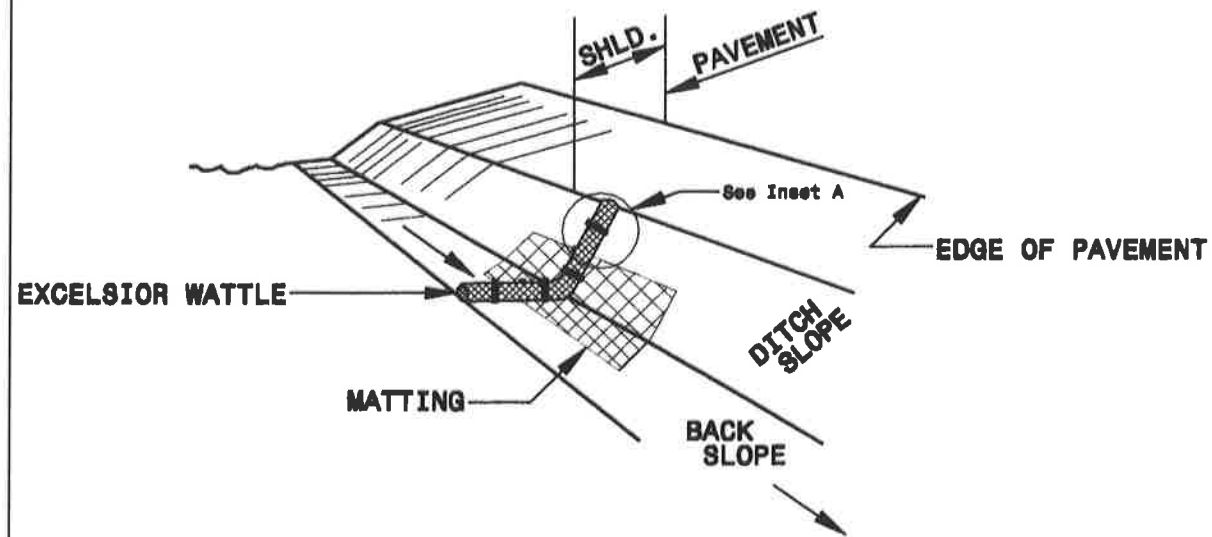
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

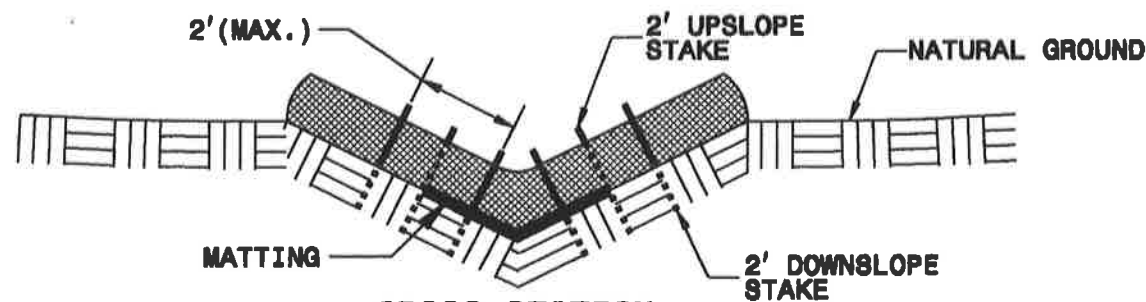
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

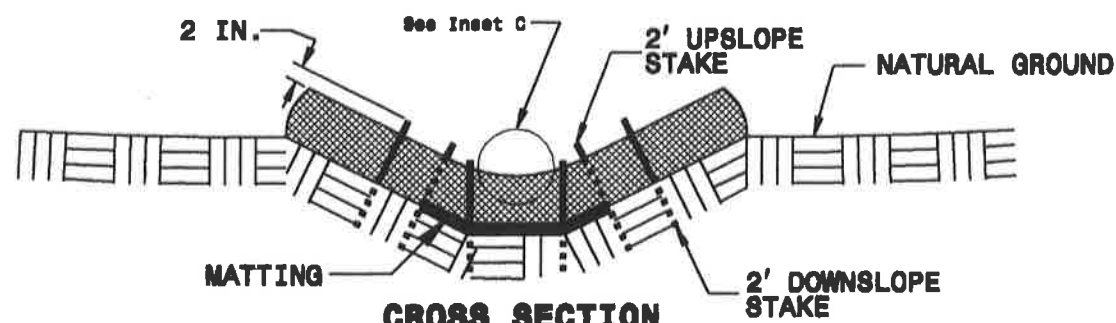
INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.60 IN.



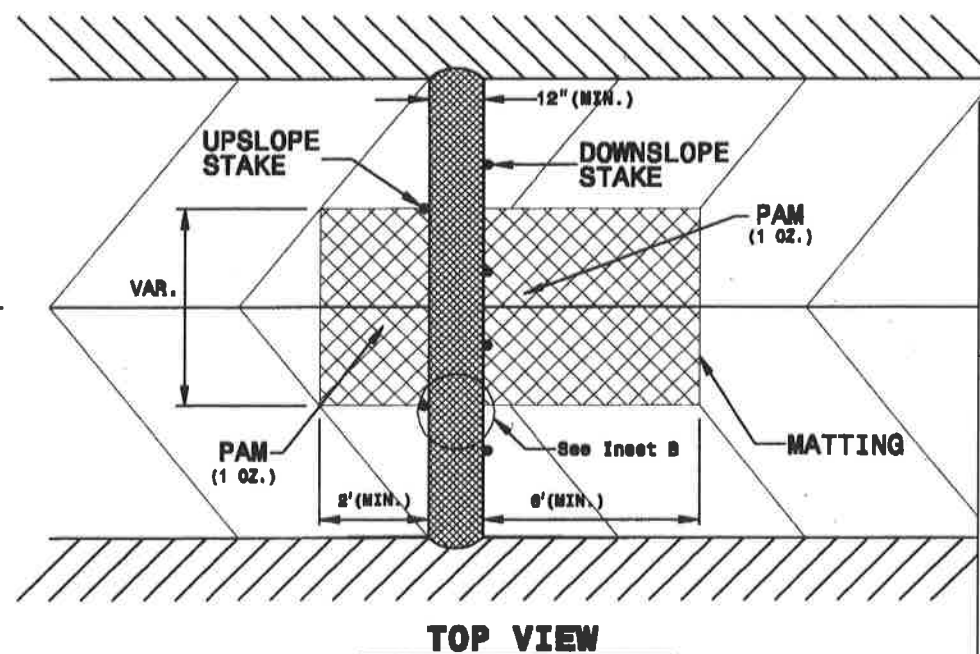
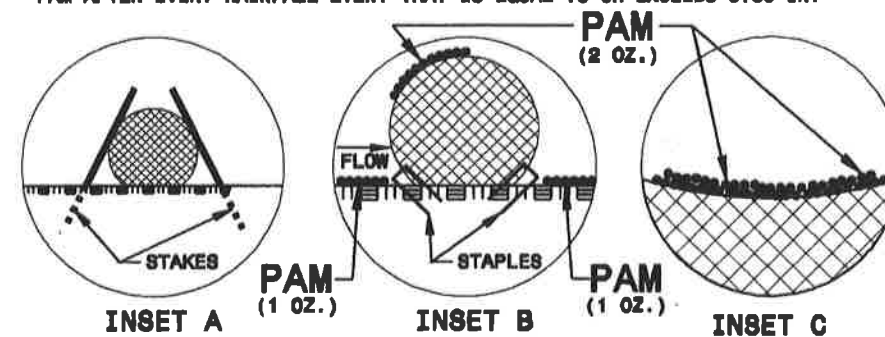
ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH



TOP VIEW

PLANS PREPARED BY:



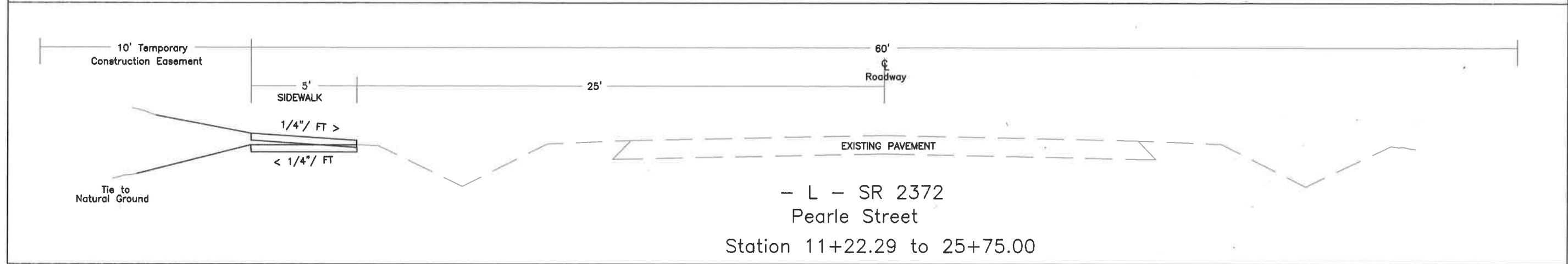
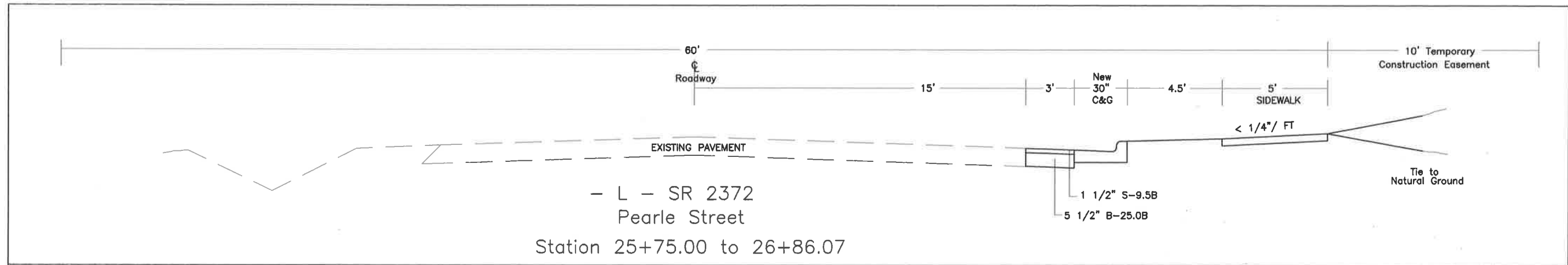
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WENDELL, NC 27591 C-2218
919-366-2016 267-363-7254 FAX
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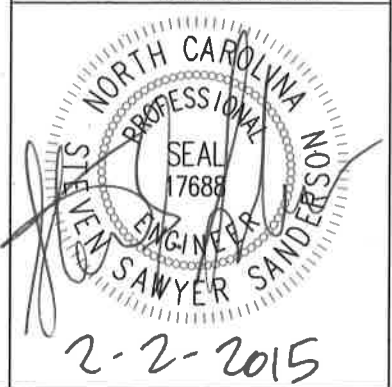


8-8-2013

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
	3	6



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 919-366-2016 267-363-7254 FAX
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PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
	4	6

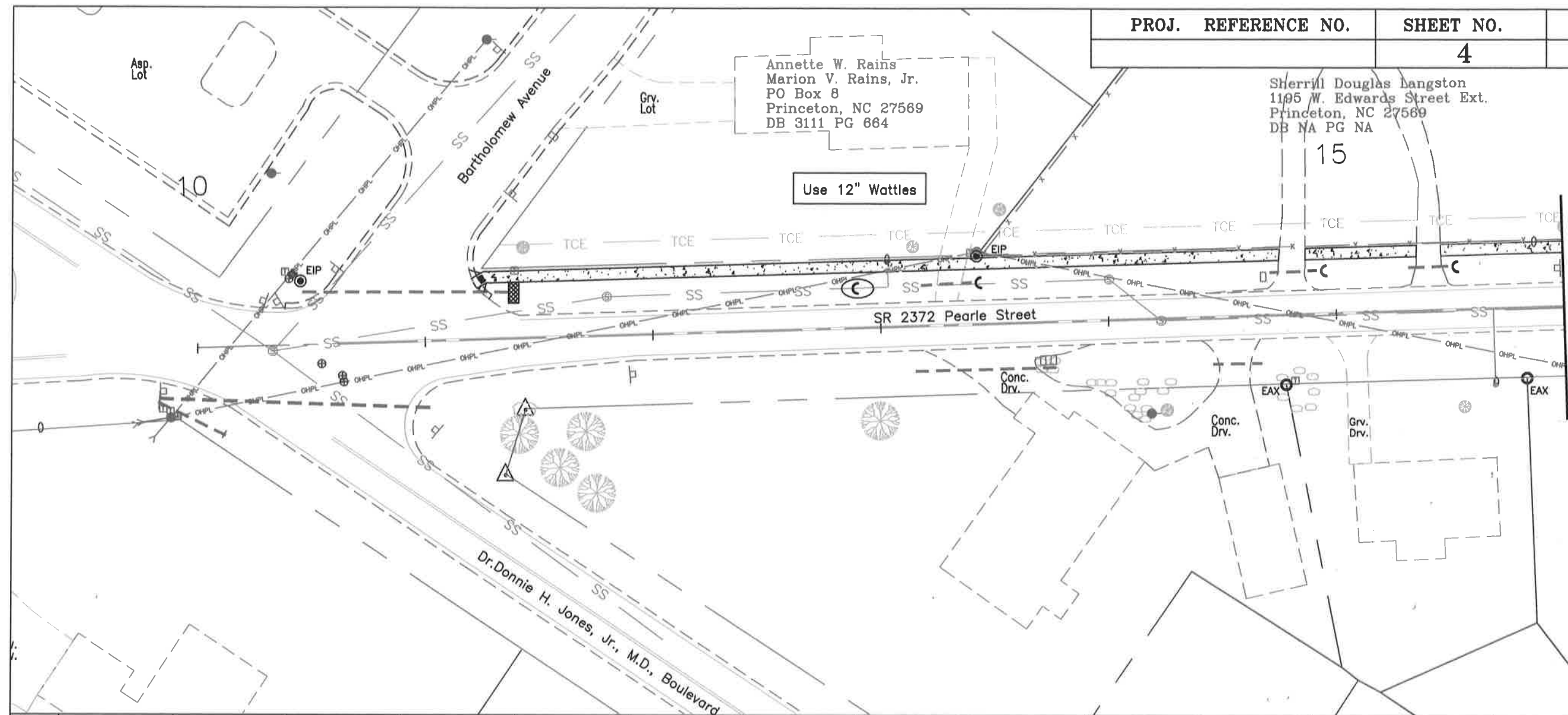
Annette W. Rains
 Marion V. Rains, Jr.
 PO Box 8
 Princeton, NC 27569
 DB 3111 PG 664

Sherril Douglas Langston
 1105 W. Edwards Street Ext.
 Princeton, NC 27569
 DB NA PG NA

Use 12" Wattles

15

MATCHLINE STA. 16+00



160																			
150																			
152.4	152.7	153.3	154.1	155.3	156.5	157.4	158.1	158.6	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8
10+00		11+00		12+00		13+00		14+00		15+00		16+00							

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 2485 WENDELL BLVD P.O. BOX 2016
 WENDELL, NC 27591 C-2218
 919-366-2016 267-363-7254 FAX
 sandersonengineering@yahoo.com
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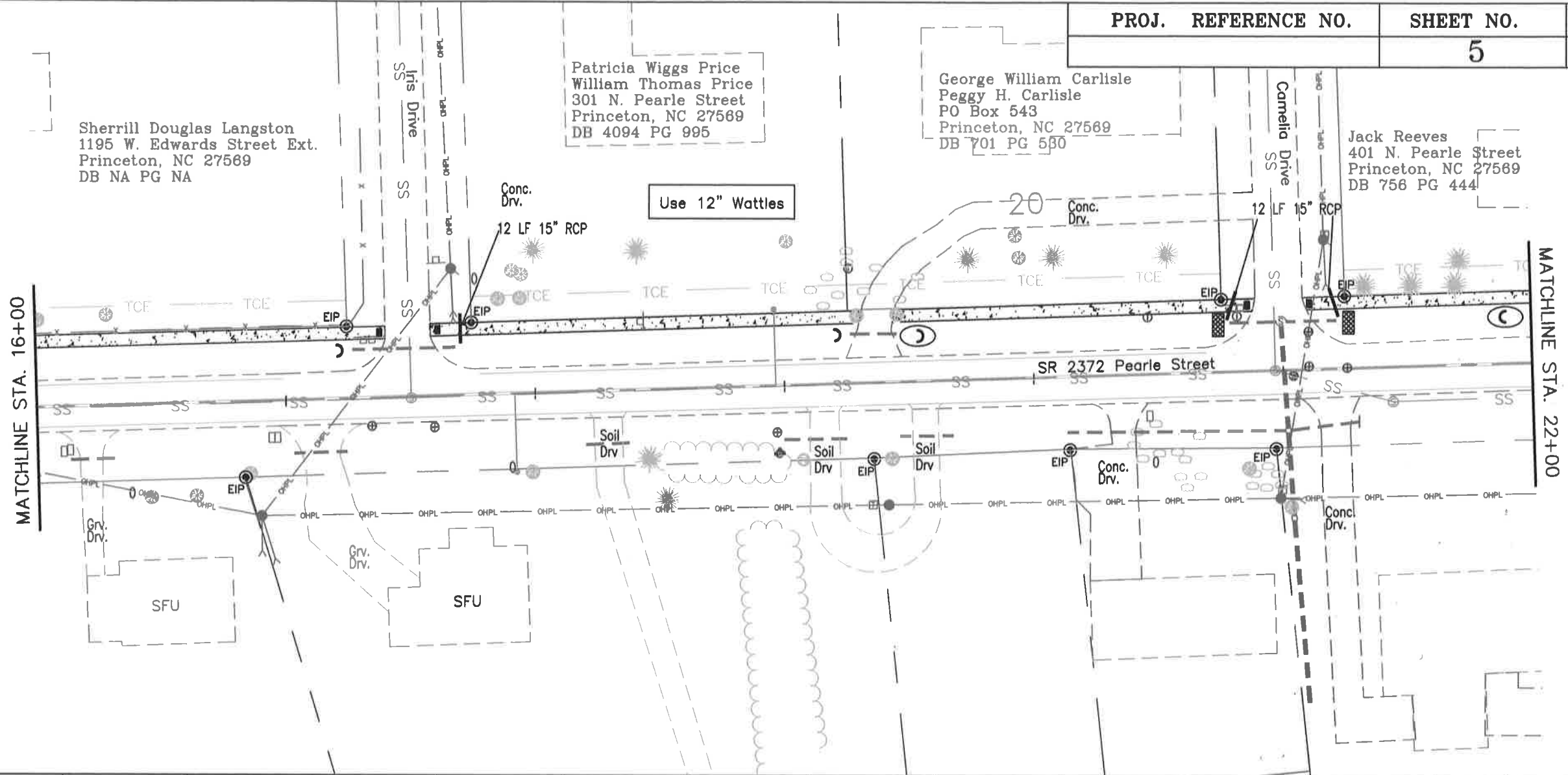
PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
	5	6

Sherrill Douglas Langston
1195 W. Edwards Street Ext.
Princeton, NC 27569
DB NA PG NA

Patricia Wiggs Price
William Thomas Price
301 N. Pearle Street
Princeton, NC 27569
DB 4094 PG 995

George William Carlisle
Peggy H. Carlisle
PO Box 543
Princeton, NC 27569
DB 701 PG 580

Jack Reeves
401 N. Pearle Street
Princeton, NC 27569
DB 756 PG 444



MATCHLINE STA. 16+00

MATCHLINE STA. 22+00

SR 2372 Pearle Street

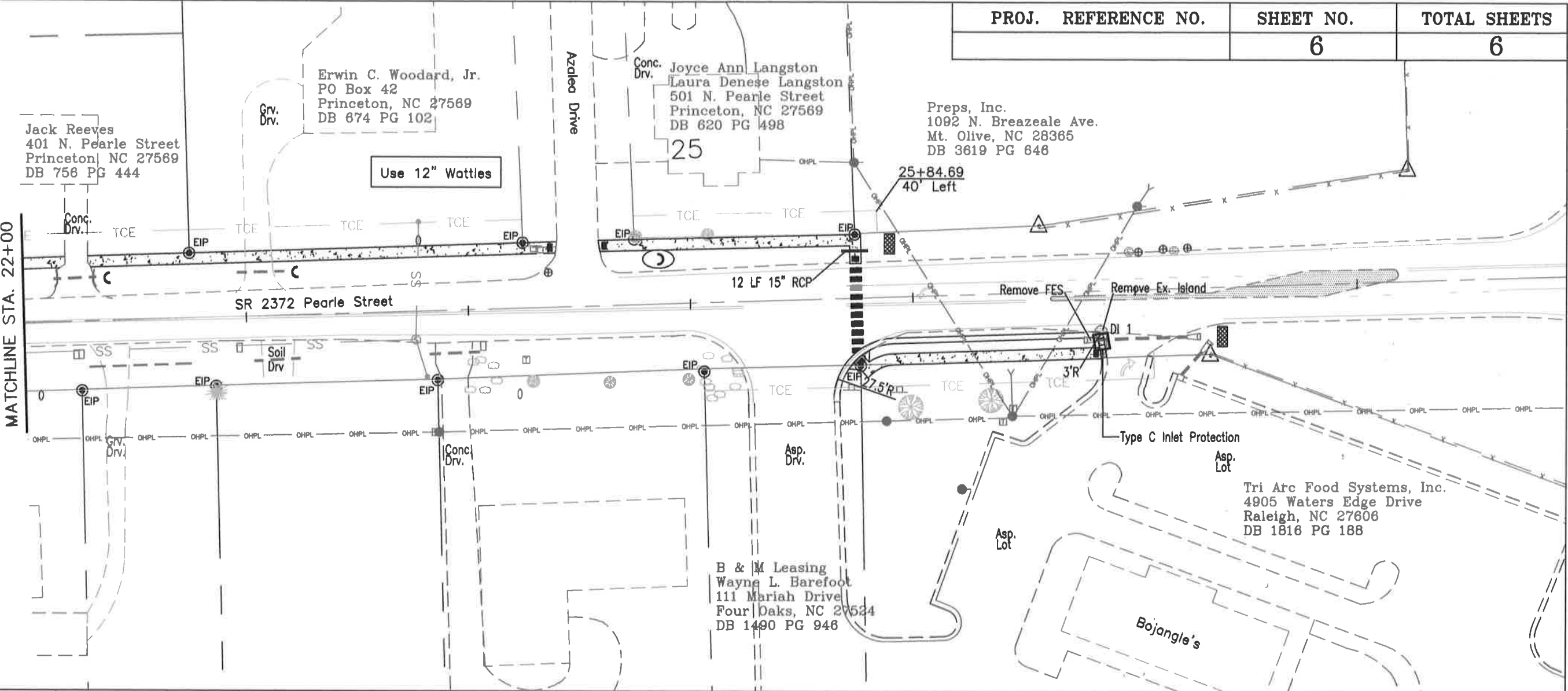
Use 12" Wattles

160																				160
150																				150
158.8	158.7	158.5	158.4	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.2	158.3	158.3	158.3						
16+00		17+00		18+00		19+00		20+00		21+00		22+00								

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2485 WENDELL BLVD P.O. BOX 2018
WENDELL, NC 27591 C-2218
919-366-2016 267-363-7254 FAX
sandersonengineering@yahoo.com
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STEVEN SAWYER SANDERSON
8-8-2013

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
	6	6



MATCHLINE STA. 22+00

158.3	158.6	158.9	159.3	159.6	159.7	159.6	159.4	158.9	158.3	157.5	
22+00		23+00		24+00		25+00		26+00		27+00	

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 PROFESSIONAL ENGINEER
 SEAL
 17688
 STEVEN SAWYER SANDERSON

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