

TIP PROJECT: B-0682

CONTRACT: C201616

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS BRUNSWICK COUNTY

**LOCATION: BRIDGE No. 198 OVER THE INTERCOASTAL WATERWAY
AND APPROACHES ON SR 1172 AT SUNSET BEACH**

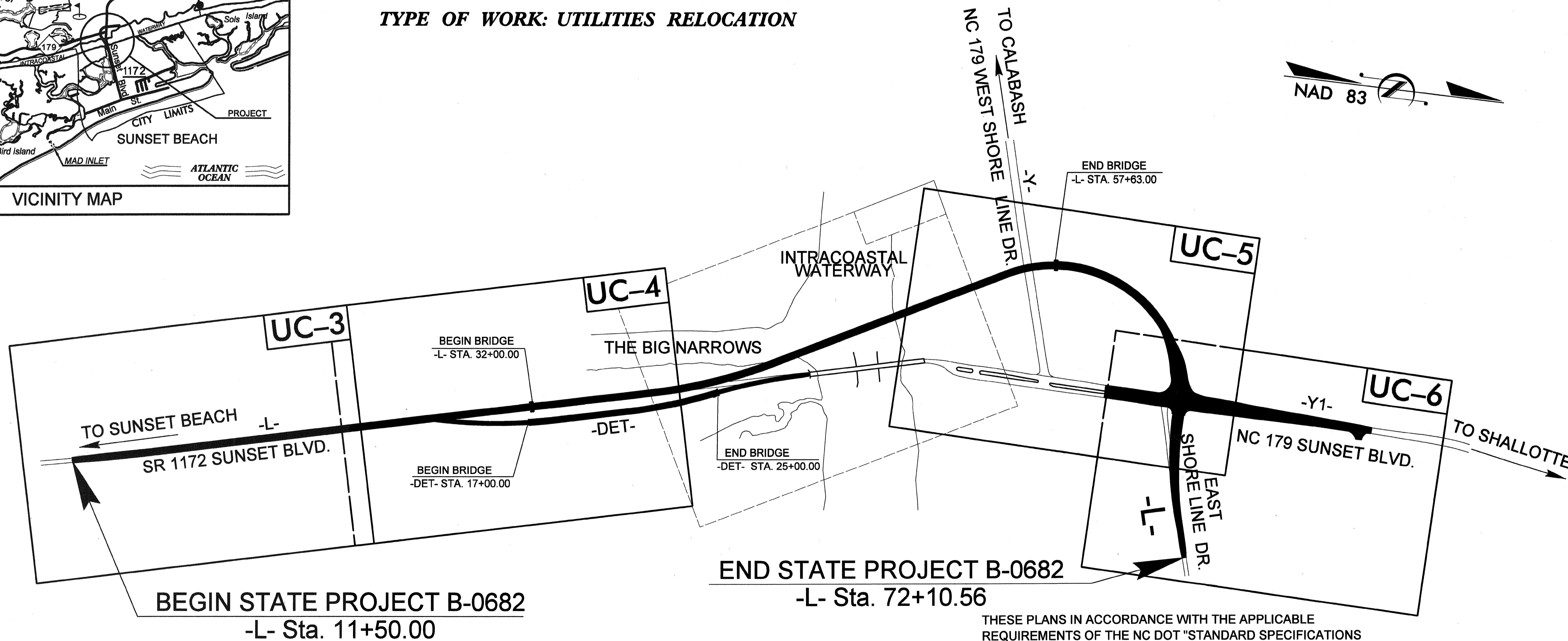
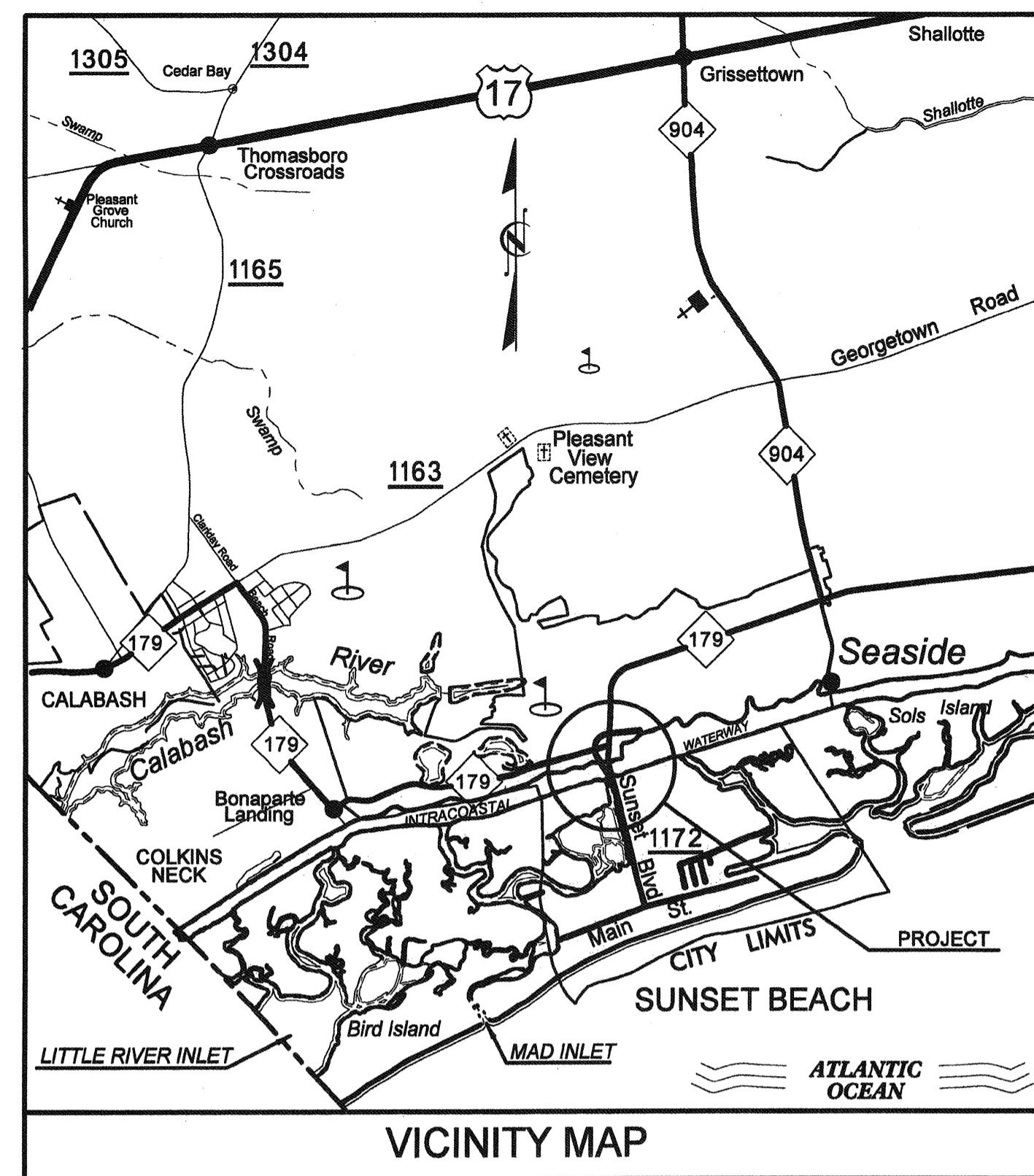
TYPE OF WORK: UTILITIES RELOCATION

T.I.P. NO.

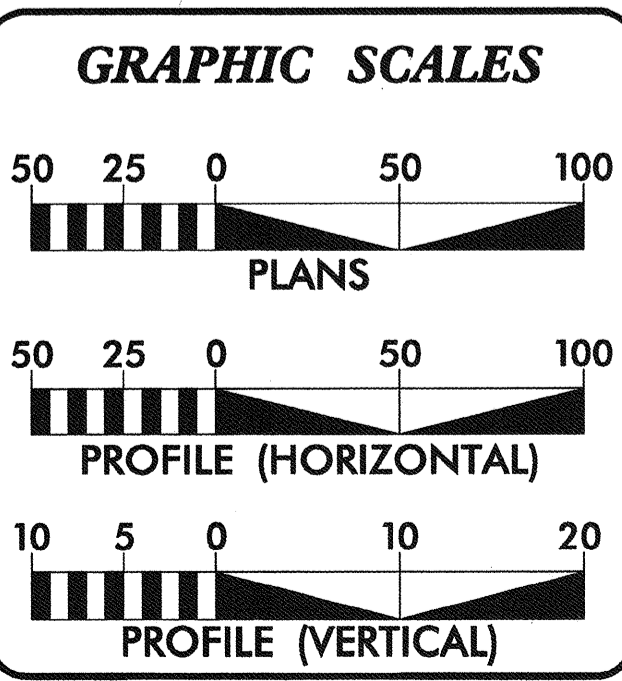
B-0682

SHEET NO.

UC-1



THESE PLANS IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE NC DOT "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JULY 2006. THIS PROJECT IS WITHIN THE LIMITS OF SUNSET BEACH



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-3 thru UC-6	UTILITY CONSTRUCTION PLAN SHEET(S)
UC-7 thru UC-8	PROFILE SHEET(S)
UC-9	DETAIL SHEET(S)

WATER AND SEWER OWNERS ON PROJECT

(1) TOWN OF SUNSET BEACH (WATER)

EarthTech
A Tyco International Ltd. Company
701 Corporate Center Drive, Suite 475
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(FAX)

FOR:
DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION
159 MAIL SERVICES CENTER
RALEIGH, NC 27699-1591
PHONE (919) 259-4128
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Roger Worthington, P.E. UTILITIES SECTION ENGINEER
James S. McKee, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Earth Tech UTILITIES PROJECT DESIGNER

USER: garywhitson
DATE: 5/21/2007
TIME: 2:46:30 PM
DGN: B0682_1601.dgn

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

PROJECT REFERENCE NO. B-0682	SHEET NO. UC-02

UTILITY CONSTRUCTION

BOUNDARIES AND PROPERTY:

State Line	_____
County Line	_____
Township Line	_____
City Line	_____
Reservation Line	_____
Property Line	_____
Existing Iron Pin	_____
Property Corner	_____
Property Monument	_____
Parcel/Sequence Number	_____
Existing Fence Line	_____
Proposed Woven Wire Fence	_____
Proposed Chain Link Fence	_____
Proposed Barbed Wire Fence	_____
Existing Wetland Boundary	_____
Proposed Wetland Boundary	_____
Existing High Quality Wetland Boundary	_____
Existing Endangered Animal Boundary	_____
Existing Endangered Plant Boundary	_____

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	_____
Sign	_____
Well	_____
Small Mine	_____
Foundation	_____
Area Outline	_____
Cemetery	_____
Building	_____
School	_____
Church	_____
Dam	_____

HYDROLOGY:

Stream or Body of Water	_____
Hydro, Pool or Reservoir	_____
River Basin Buffer	_____
Flow Arrow	_____
Disappearing Stream	_____
Spring	_____
Swamp Marsh	_____
Proposed Lateral, Tail, Head Ditch	_____
False Sump	_____

RAILROADS:

Standard Gauge	_____
RR Signal Milepost	_____
Switch	_____
RR Abandoned	_____
RR Dismantled	_____

RIGHT OF WAY:

Baseline Control Point	_____
Existing Right of Way Marker	_____
Existing Right of Way Line	_____
Proposed Right of Way Line	_____
Proposed Right of Way Line with Iron Pin and Cap Marker	_____
Proposed Right of Way Line with Concrete or Granite Marker	_____
Existing Control of Access	_____
Proposed Control of Access	_____
Existing Easement Line	_____
Proposed Temporary Construction Easement	_____
Proposed Temporary Drainage Easement	_____
Proposed Permanent Drainage Easement	_____
Proposed Permanent Utility Easement	_____

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	_____
Existing Curb	_____
Proposed Slope Stakes Cut	_____
Proposed Slope Stakes Fill	_____
Proposed Wheel Chair Ramp	_____
Curb Cut for Future Wheel Chair Ramp	_____
Existing Metal Guardrail	_____
Proposed Guardrail	_____
Existing Cable Guiderail	_____
Proposed Cable Guiderail	_____
Equality Symbol	_____
Pavement Removal	_____

VEGETATION:

Single Tree	_____
Single Shrub	_____
Hedge	_____
Woods Line	_____
Orchard	_____
Vineyard	_____

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	_____
Bridge Wing Wall, Head Wall and End Wall	_____
MINOR:	
Head and End Wall	_____
Pipe Culvert	_____
Footbridge	_____
Drainage Box: Catch Basin, DI or JB	_____
Paved Ditch Gutter	_____
Storm Sewer Manhole	_____
Storm Sewer	_____

UTILITIES:

POWER:	
Existing Power Pole	_____
Proposed Power Pole	_____
Existing Joint Use Pole	_____
Proposed Joint Use Pole	_____
Power Manhole	_____
Power Line Tower	_____
Power Transformer	_____
U/G Power Cable Hand Hole	_____
H-Frame Pole	_____
Recorded U/G Power Line	_____
Designated U/G Power Line (S.U.E.*)	_____

TELEPHONE:

Existing Telephone Pole	_____
Proposed Telephone Pole	_____
Telephone Manhole	_____
Telephone Booth	_____
Telephone Pedestal	_____
Telephone Cell Tower	_____
U/G Telephone Cable Hand Hole	_____
Recorded U/G Telephone Cable	_____
Designated U/G Telephone Cable (S.U.E.*)	_____
Recorded U/G Telephone Conduit	_____
Designated U/G Telephone Conduit (S.U.E.*)	_____
Recorded U/G Fiber Optics Cable	_____
Designated U/G Fiber Optics Cable (S.U.E.*)	_____

WATER:

Water Manhole	_____
Water Meter	_____
Water Valve	_____
Water Hydrant	_____
Recorded U/G Water Line	_____
Designated U/G Water Line (S.U.E.*)	_____
Above Ground Water Line	_____

TV:

TV Satellite Dish	_____
TV Pedestal	_____
TV Tower	_____
U/G TV Cable Hand Hole	_____
Recorded U/G TV Cable	_____
Designated U/G TV Cable (S.U.E.*)	_____
Recorded U/G Fiber Optic Cable	_____
Designated U/G Fiber Optic Cable (S.U.E.*)	_____

GAS:

Gas Valve	_____
Gas Meter	_____
Recorded U/G Gas Line	_____
Designated U/G Gas Line (S.U.E.*)	_____
Above Ground Gas Line	_____

SANITARY SEWER:

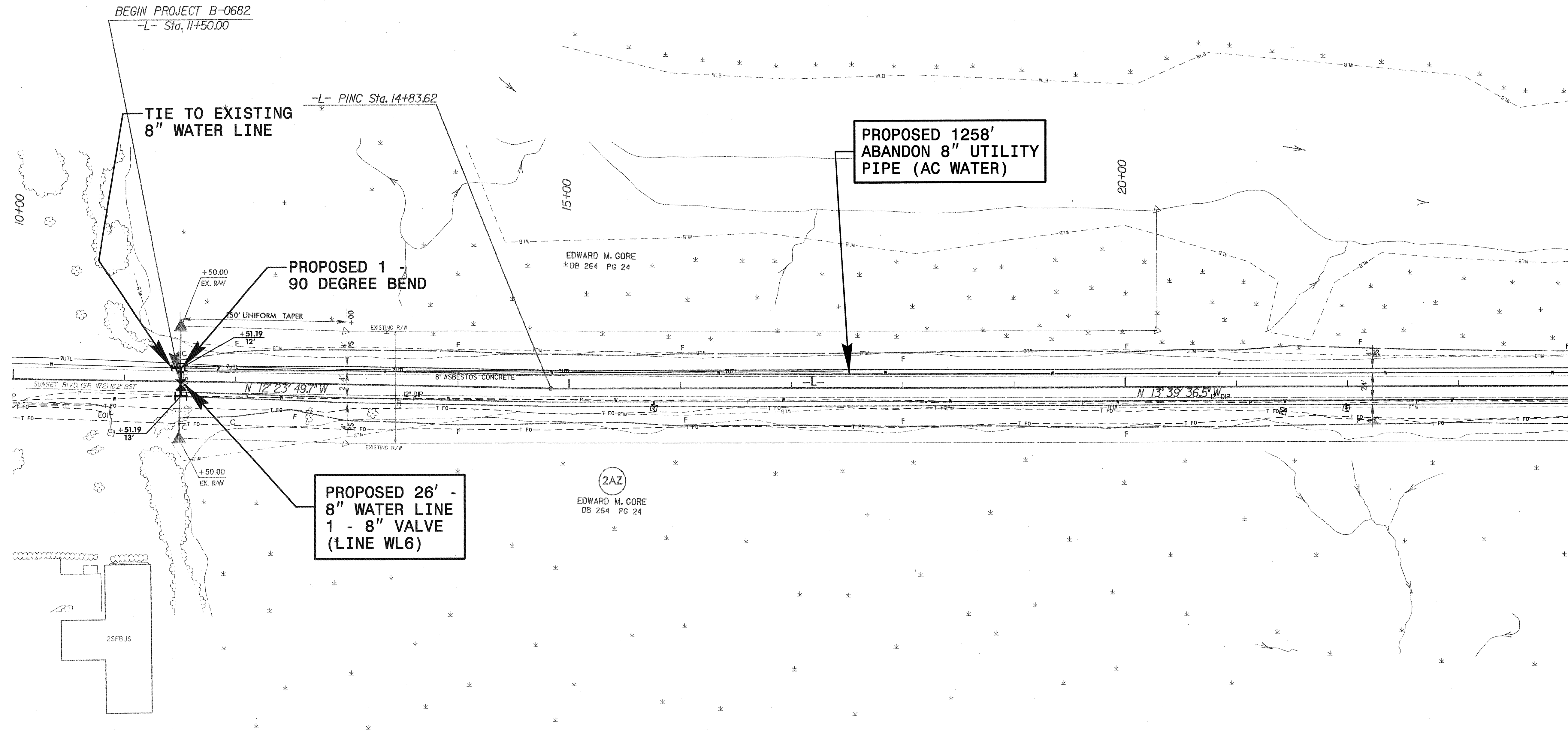
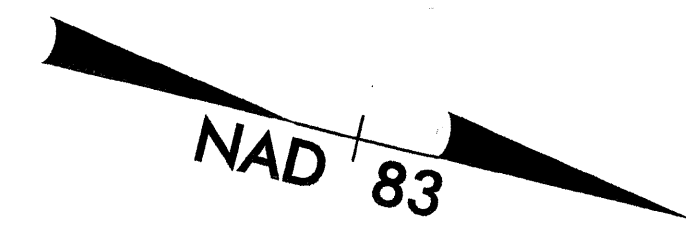
Sanitary Sewer Manhole	_____
Sanitary Sewer Cleanout	_____
U/G Sanitary Sewer Line	_____
Above Ground Sanitary Sewer	_____
Recorded SS Forced Main Line	_____
Designated SS Forced Main Line (S.U.E.*)	_____

MISCELLANEOUS:

Utility Pole	_____
Utility Pole with Base	_____
Utility Located Object	_____
Utility Traffic Signal Box	_____
Utility Unknown U/G Line	_____
U/G Tank; Water, Gas, Oil	_____
A/G Tank; Water, Gas, Oil	_____
U/G Test Hole (S.U.E.*)	_____
Abandoned According to Utility Records	_____
End of Information	_____

ALL WATER LINES
OWNED BY THE TOWN
OF SUNSET BEACH

PROJECT REFERENCE NO. B-0682	SHEET NO. UC-03
SCALE: 25 0 50	
UTILITY CONSTRUCTION	



MATCHLINE -L- STA 24+00 SEE SHEET UC-04

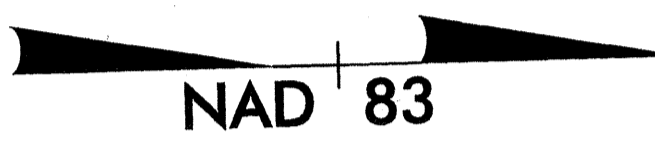
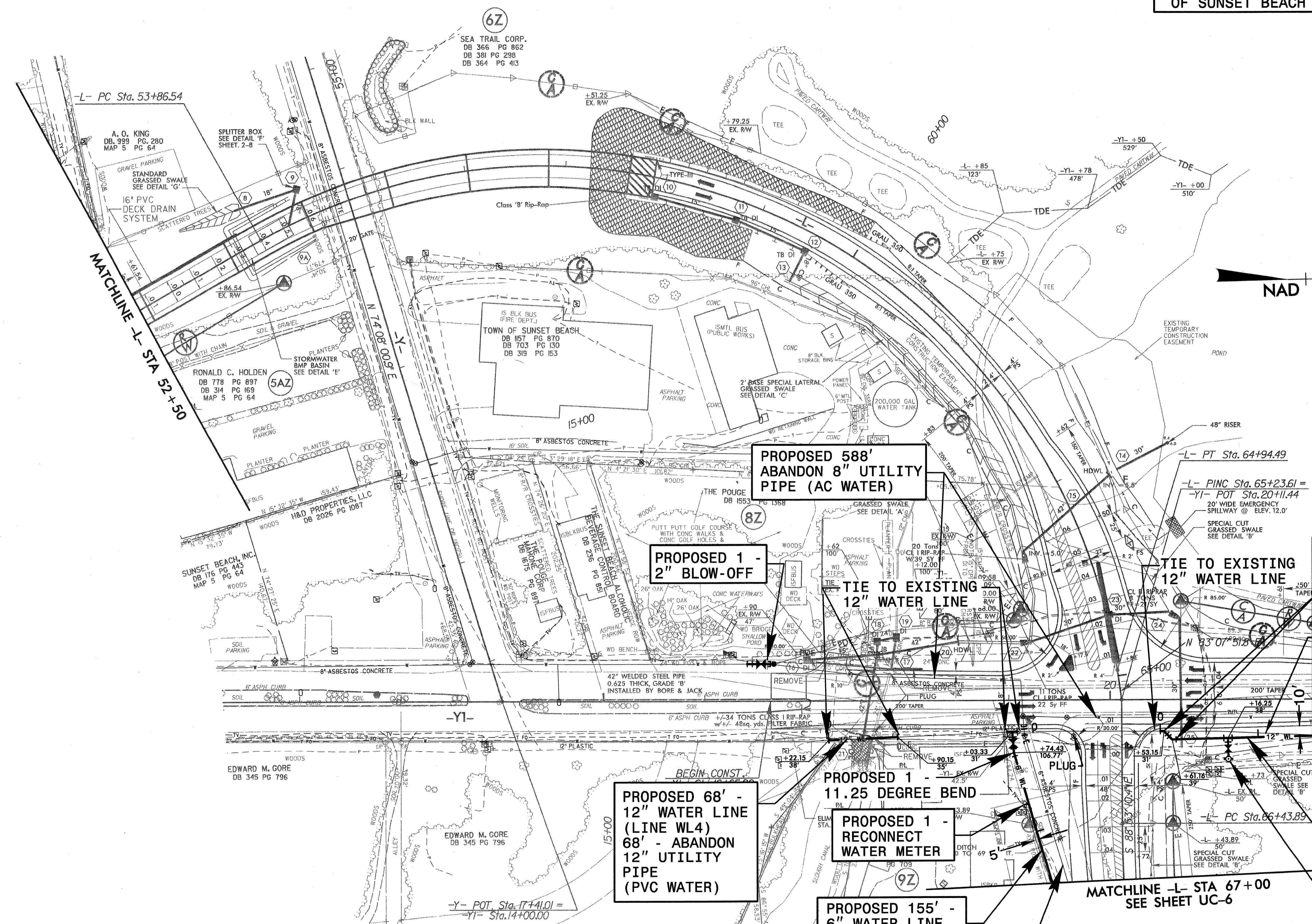
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Prepared by:

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ALL WATER LINES OWNED BY THE TOWN OF SUNSET BEACH

PROJECT REFERENCE NO. B-0682	SHEET NO. UC-05
SCALE: 25 0 50	
<p>UTILITY CONSTRUCTION</p>	



PROPOSED 58' ABANDON 8" UTILITY PIPE (AC WATER)

PROPOSED 1 - 2" BLOW-OFF

TIE TO EXISTING 12" WATER LINE

PROPOSED 2 - 45 DEGREE BENDS

PROPOSED 148' ABANDON 12" UTILITY PIPE (PVC WATER)

PROPOSED 68' - 12" WATER LINE (LINE WL4)
68' - ABANDON 12" UTILITY PIPE (PVC WATER)

PROPOSED 1 - RECONNECT WATER METER

PROPOSED 155' - 6" WATER LINE
1 - 6" VALVE (LINE WL3)

PROPOSED 155' ABANDON 6" UTILITY PIPE (AC WATER)

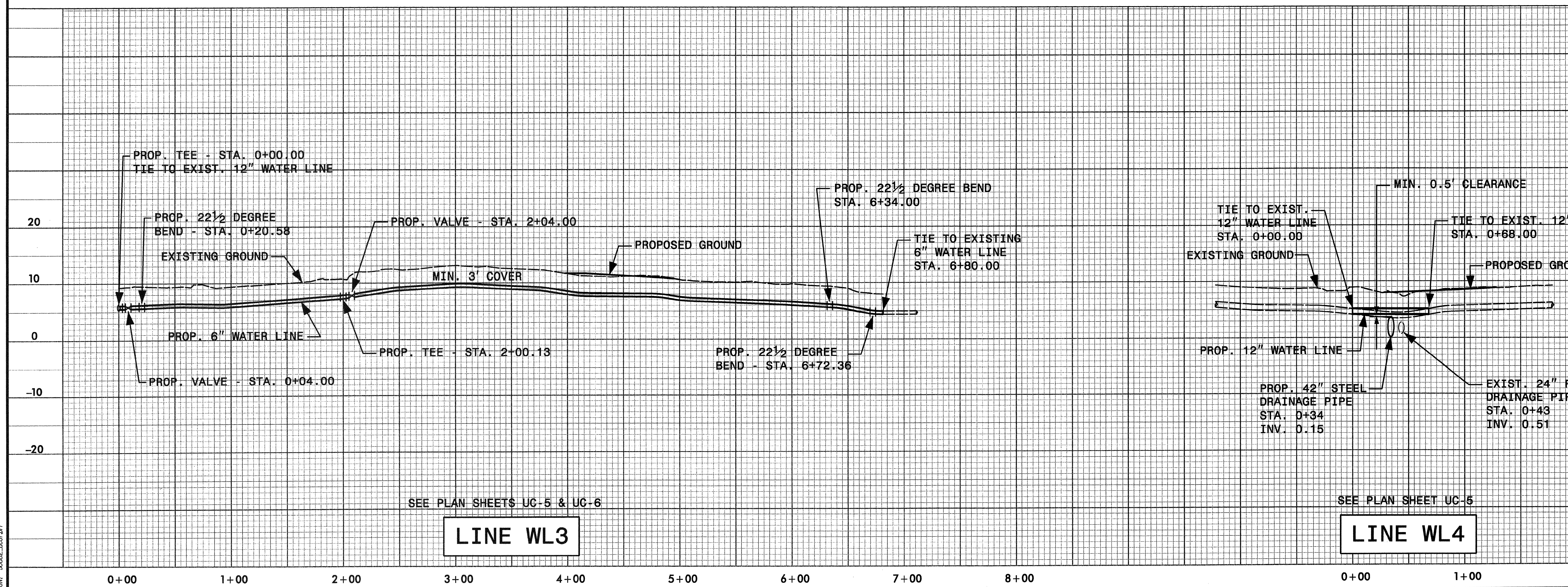
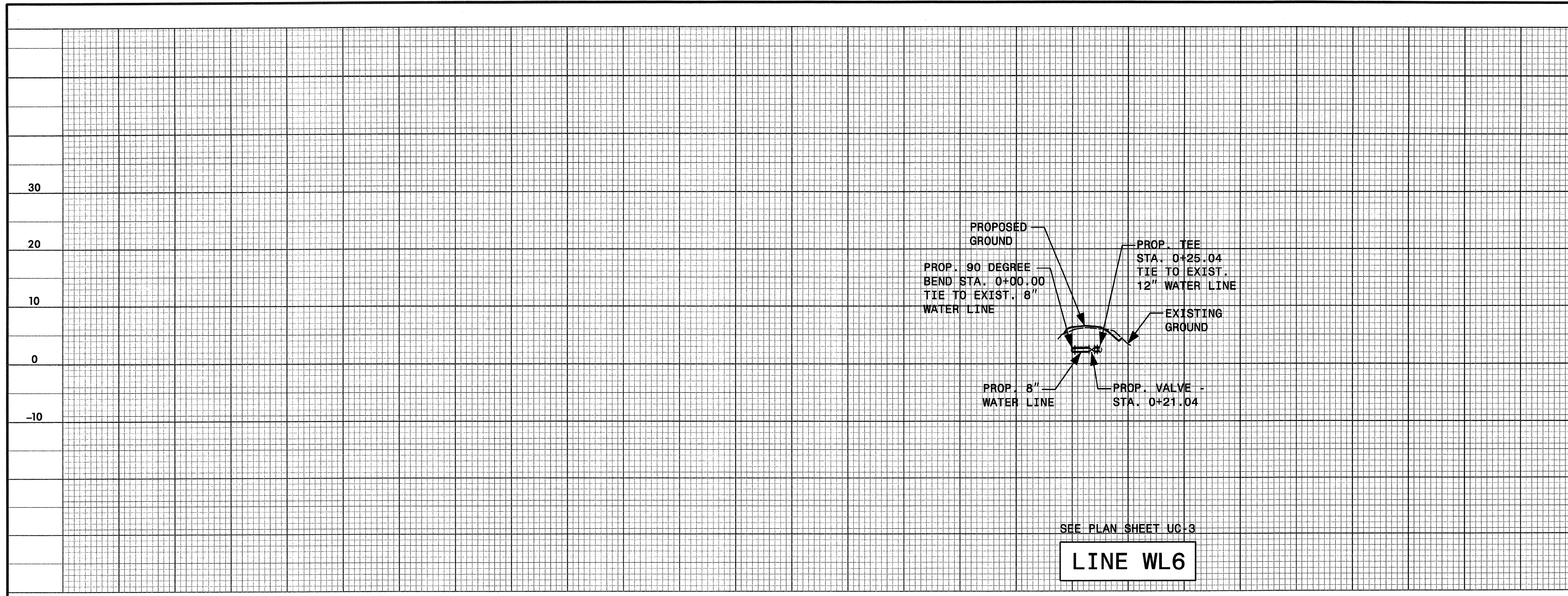
PROPOSED 150' - 12" WATER LINE (LINE WL5)

PROPOSED 1 - RELOCATE FIRE HYDRANT (FROM -Y1- STA. 19+64, 38' RT.)

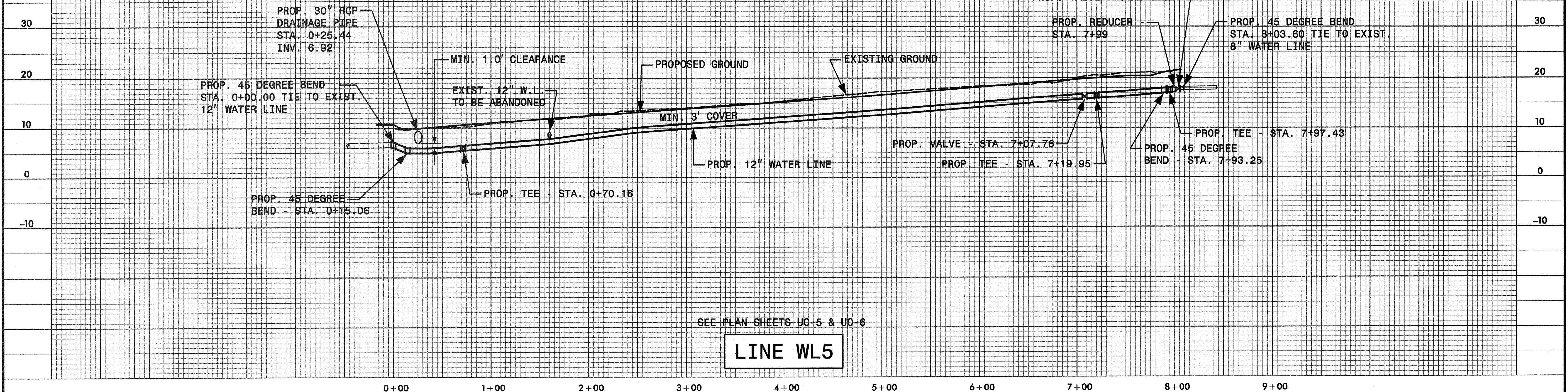
Prepared by:

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USER: gpr/wh/wh
 DATE: 5/21/2007
 TIME: 2:00:05 PM
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UTILITY CONSTRUCTION



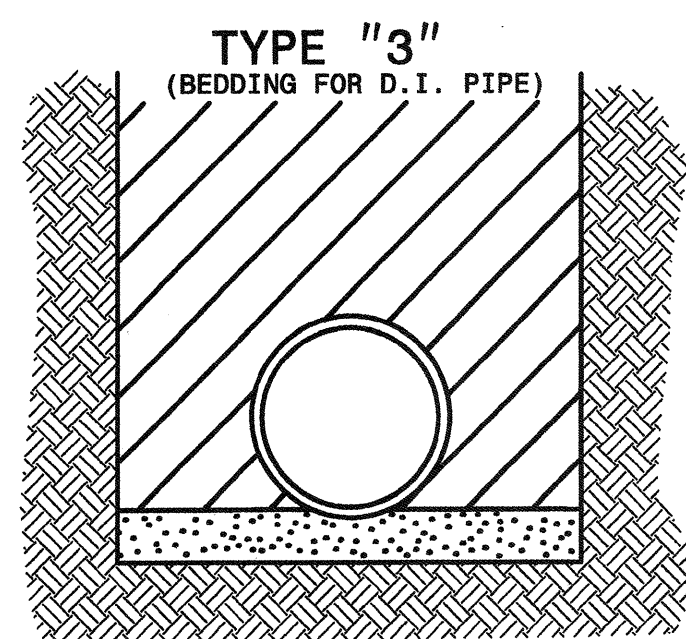
SEE PLAN SHEETS UC-5 & UC-6

LINE WL5

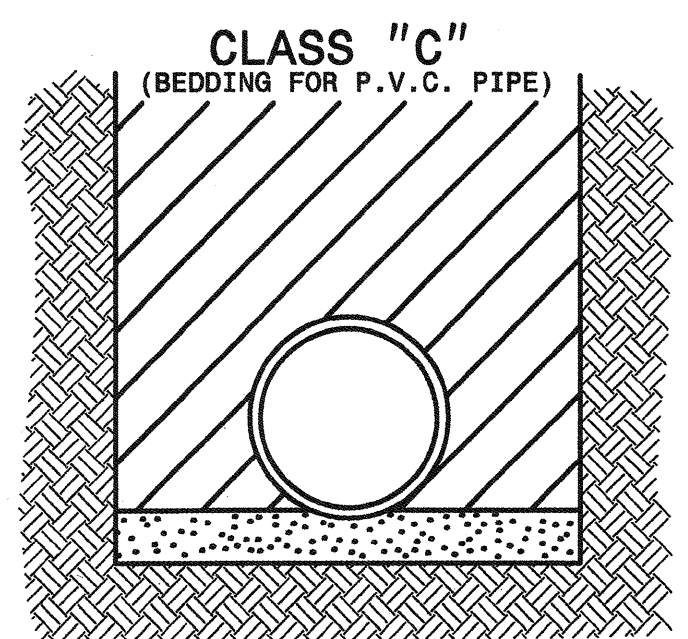
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UTILITY CONSTRUCTION

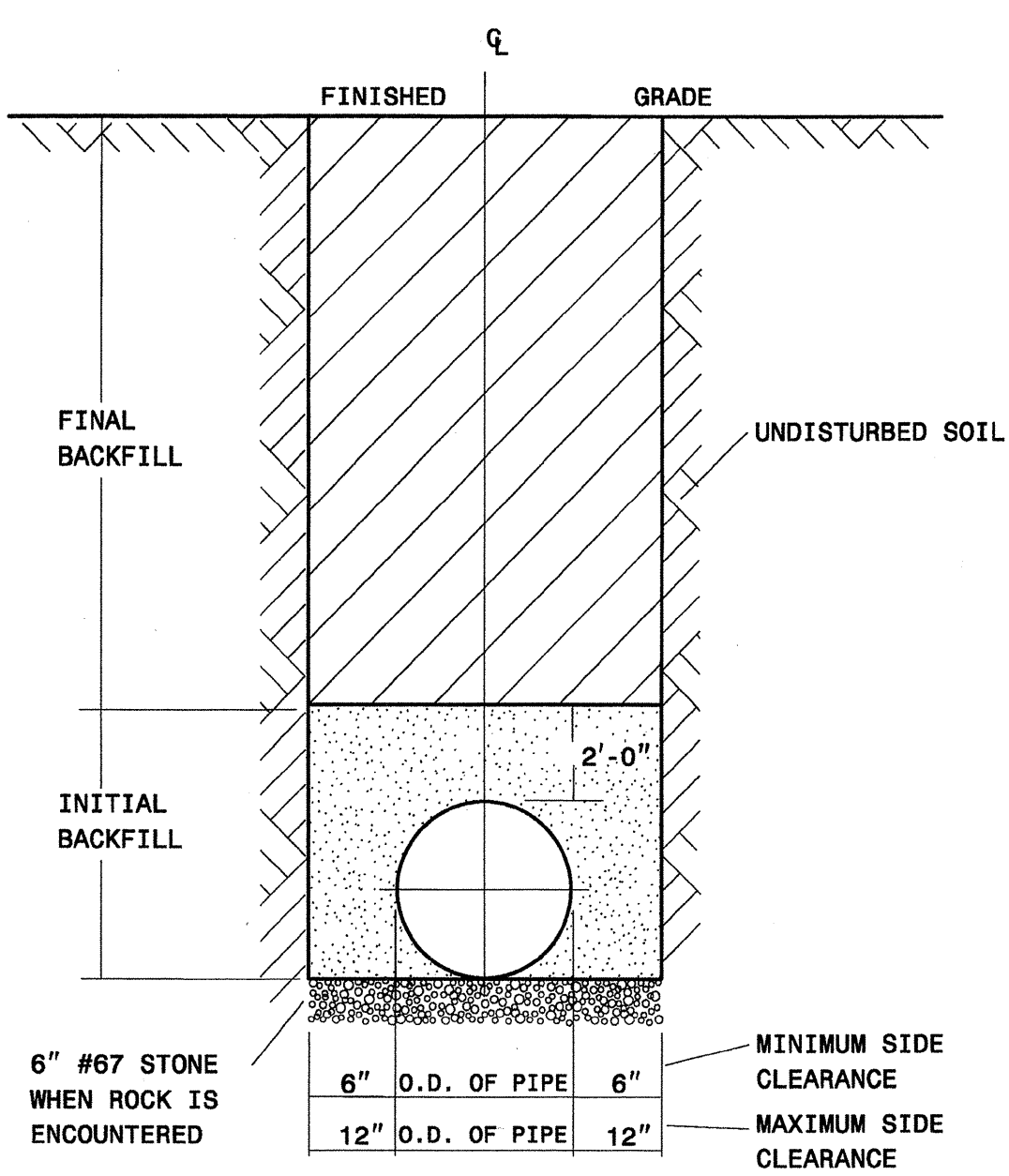
MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (inches)	TRENCH WIDTH (inches)	NOMINAL PIPE SIZE (inches)	TRENCH WIDTH (inches)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



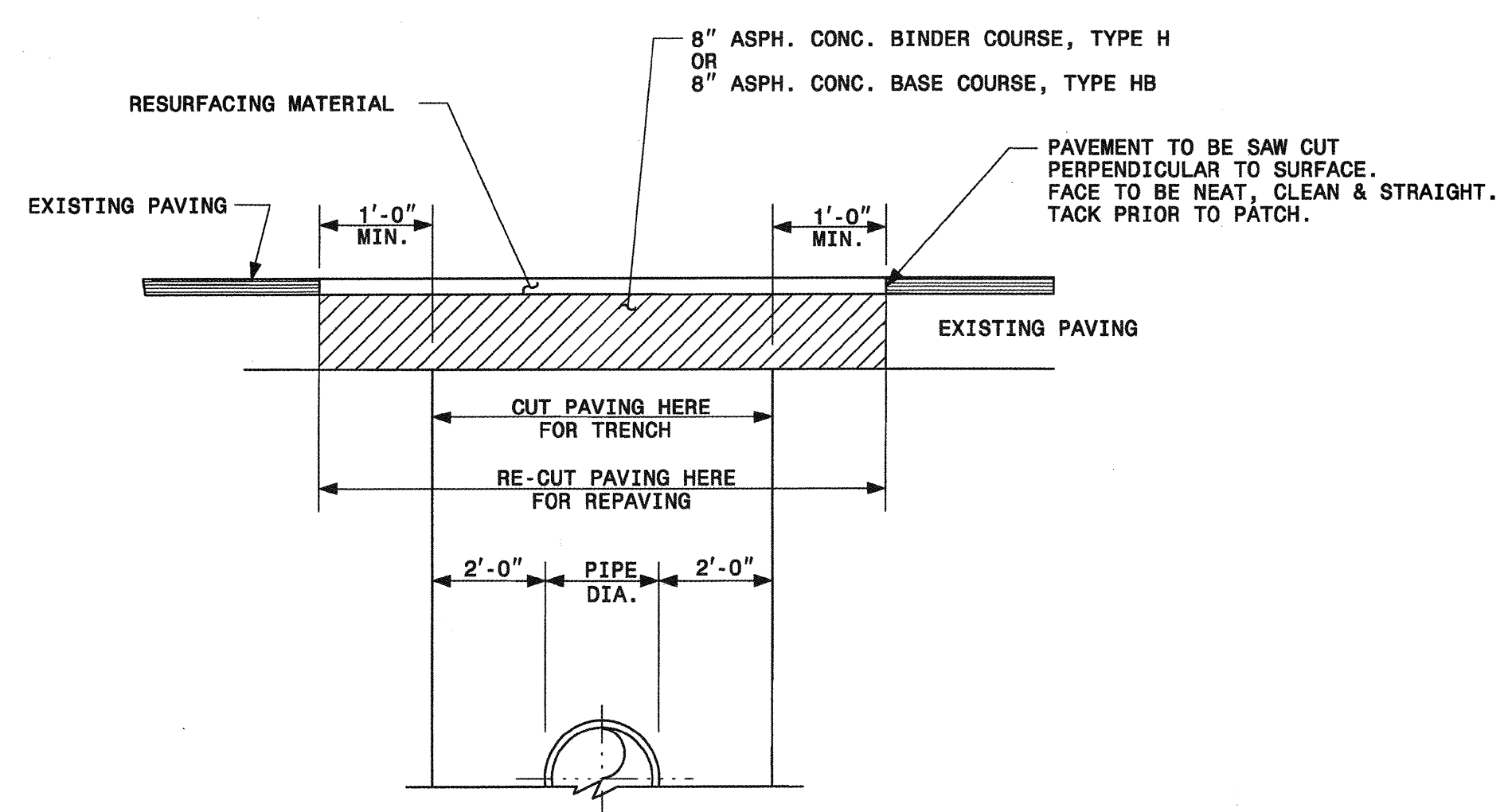
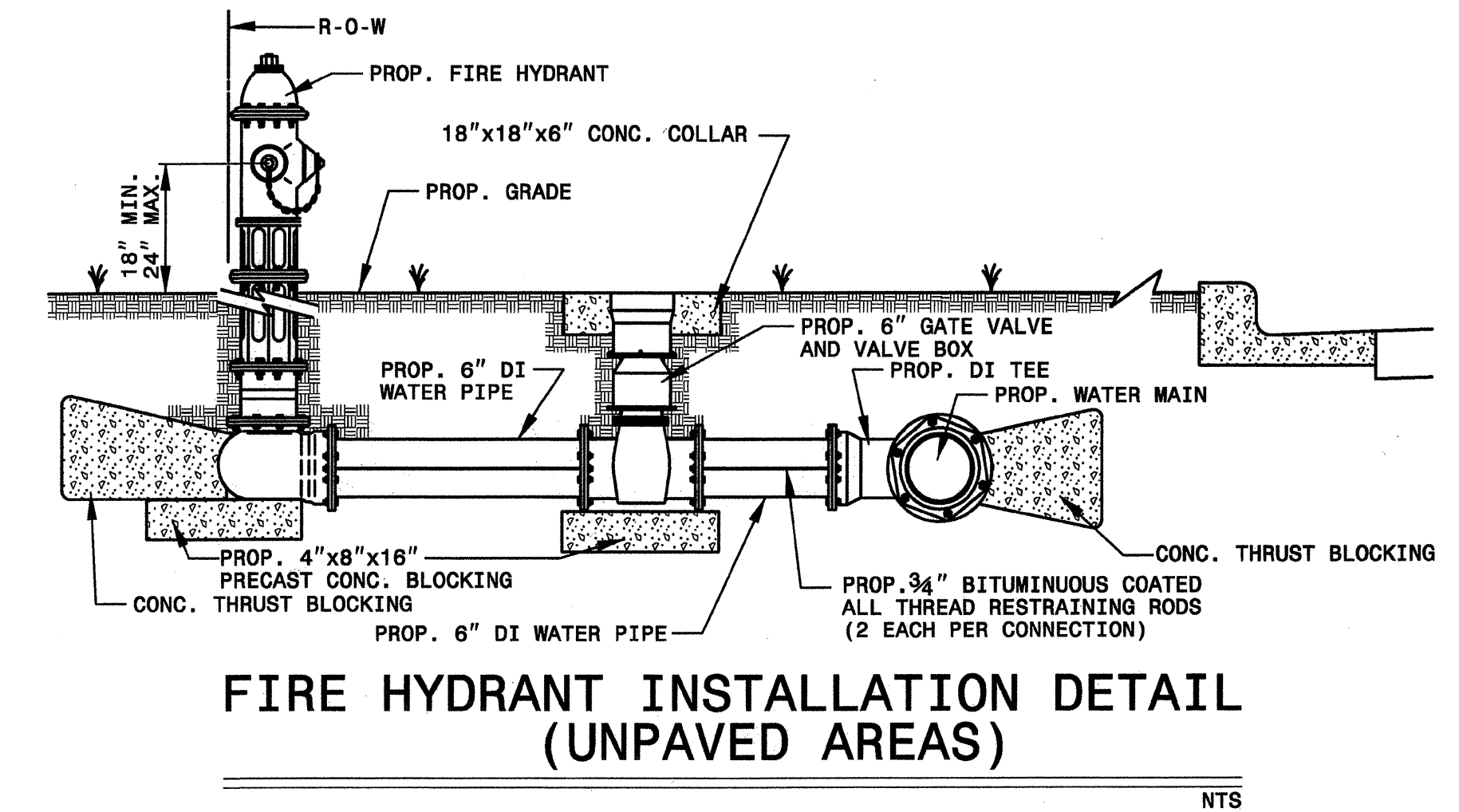
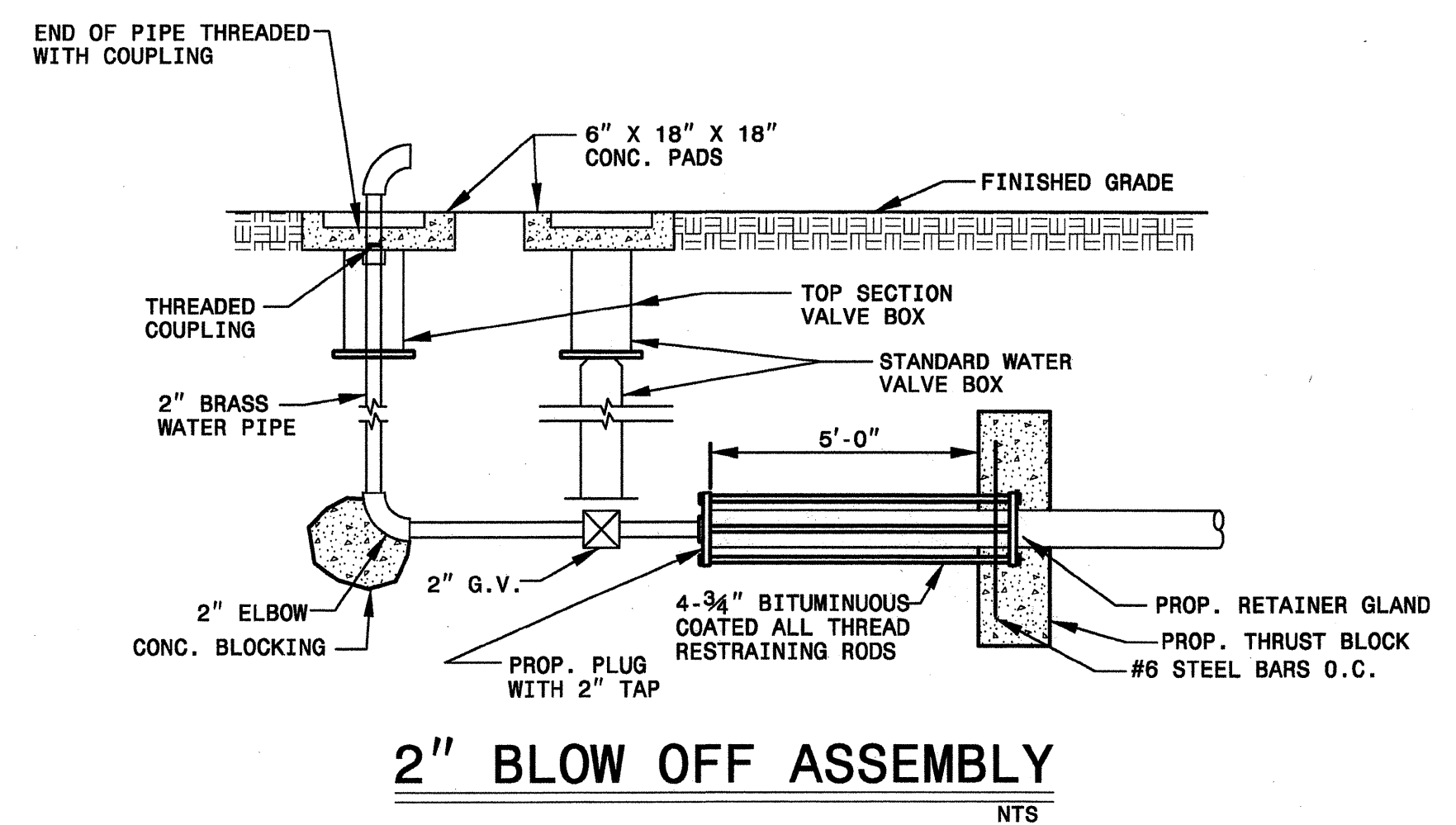
PIPE BEDDED IN 4" MINIMUM LOOSE SOIL. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH A MINIMUM OF 6" UNDER PIPE. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

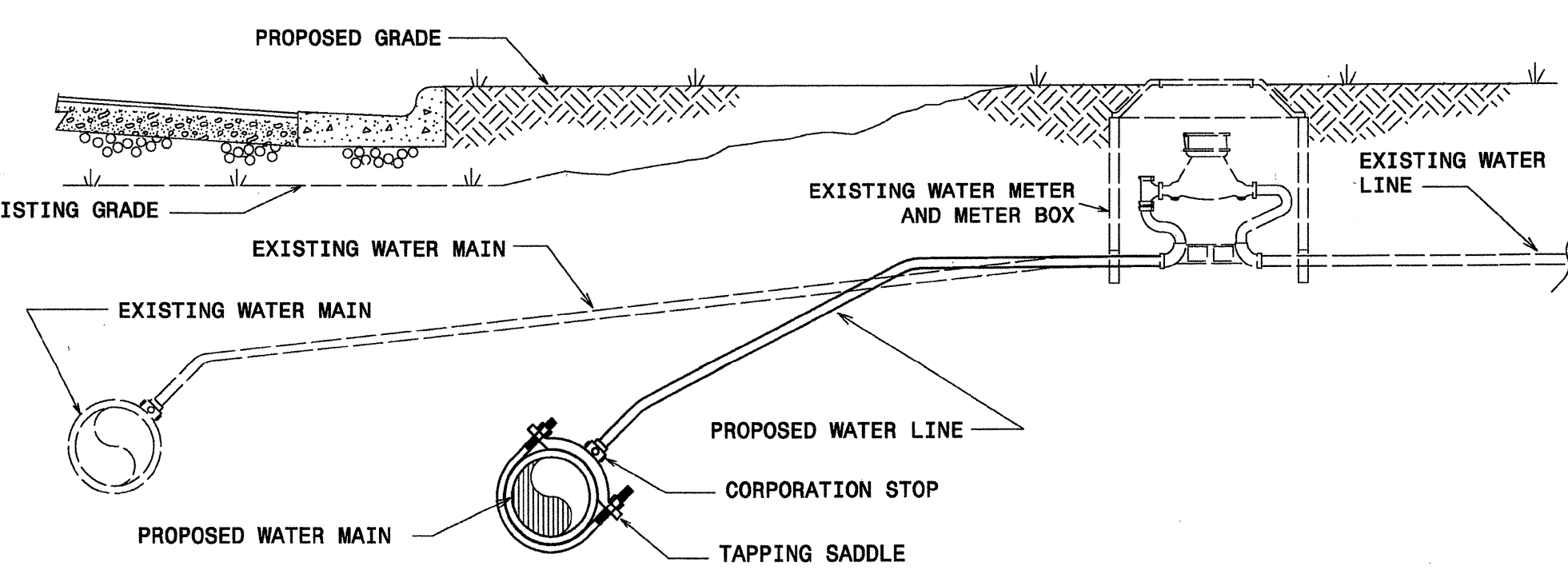


TRENCH & BACKFILL DETAIL



NOTE: IF ENGINEER APPROVED, THEN THE BACKFILL (AGGREGATE BASE COURSE OR SUITABLE SUBGRADE) SHALL BE MADE IN 6" LAYERS AND SHALL BE COMPACTED TO AT LEAST 95% OF STANDARD DENSITY (AASHTO METHOD T-99). EACH LAYER MUST BE THOROUGHLY TAMPED BY A MECHANICAL TAMP BEFORE THE NEXT LAYER IS PLACED. ALL ASPHALT PAVEMENT REPLACED SHALL BE IN ACCORDANCE WITH THE MOST CURRENT N.C.D.O.T. STANDARD SPECIFICATIONS. BASE COURSE DENSITY SHALL BE 100%.

SAW CUT AND PATCH METHOD
UTILITY UNDER EXISTING ASPHALT STREETS



- NOTES:
1. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
 2. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 3' COVER BELOW FINISHED GRADE.

RECONNECT EXISTING WATER METER DETAIL

USER: gwy/wh/son
DATE: 5/21/2007
TIME: 15:43:43 PM
DGN: B0682_UC09.dgn

TIP PROJECT: B-0682

CONTRACT: C201616

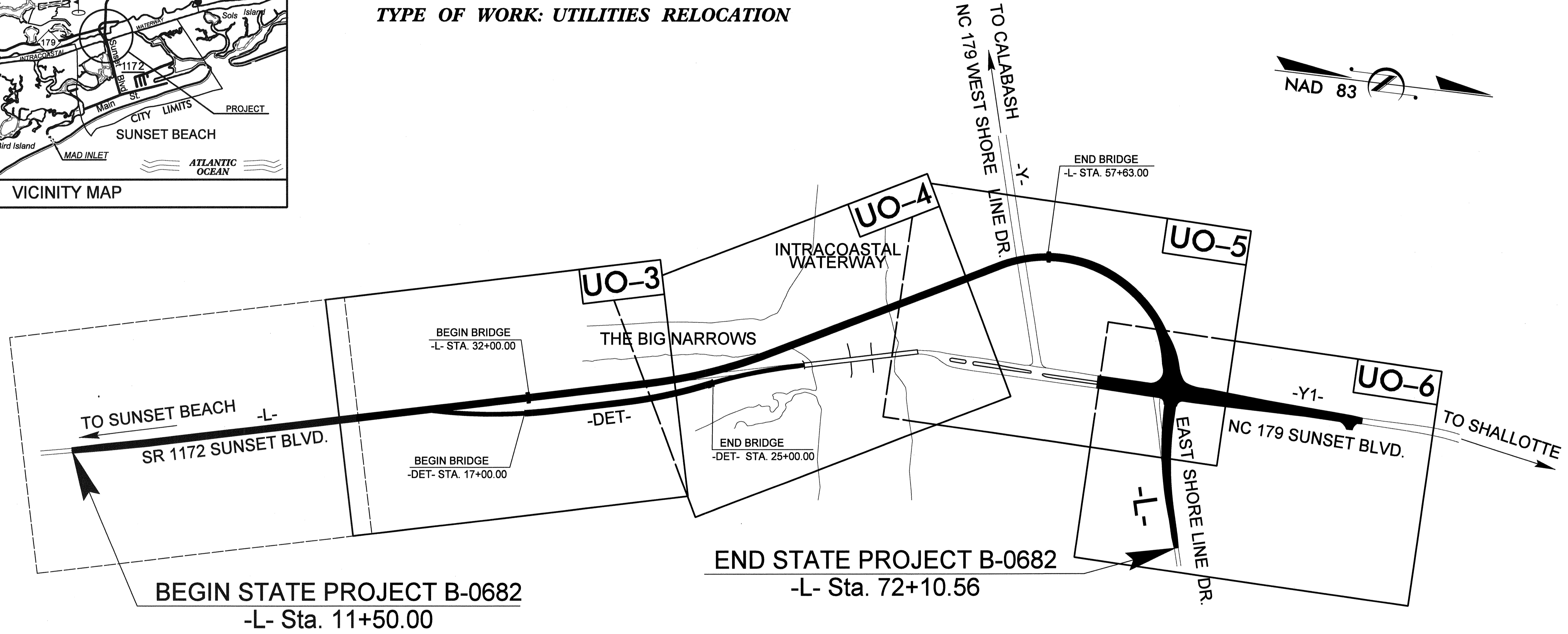
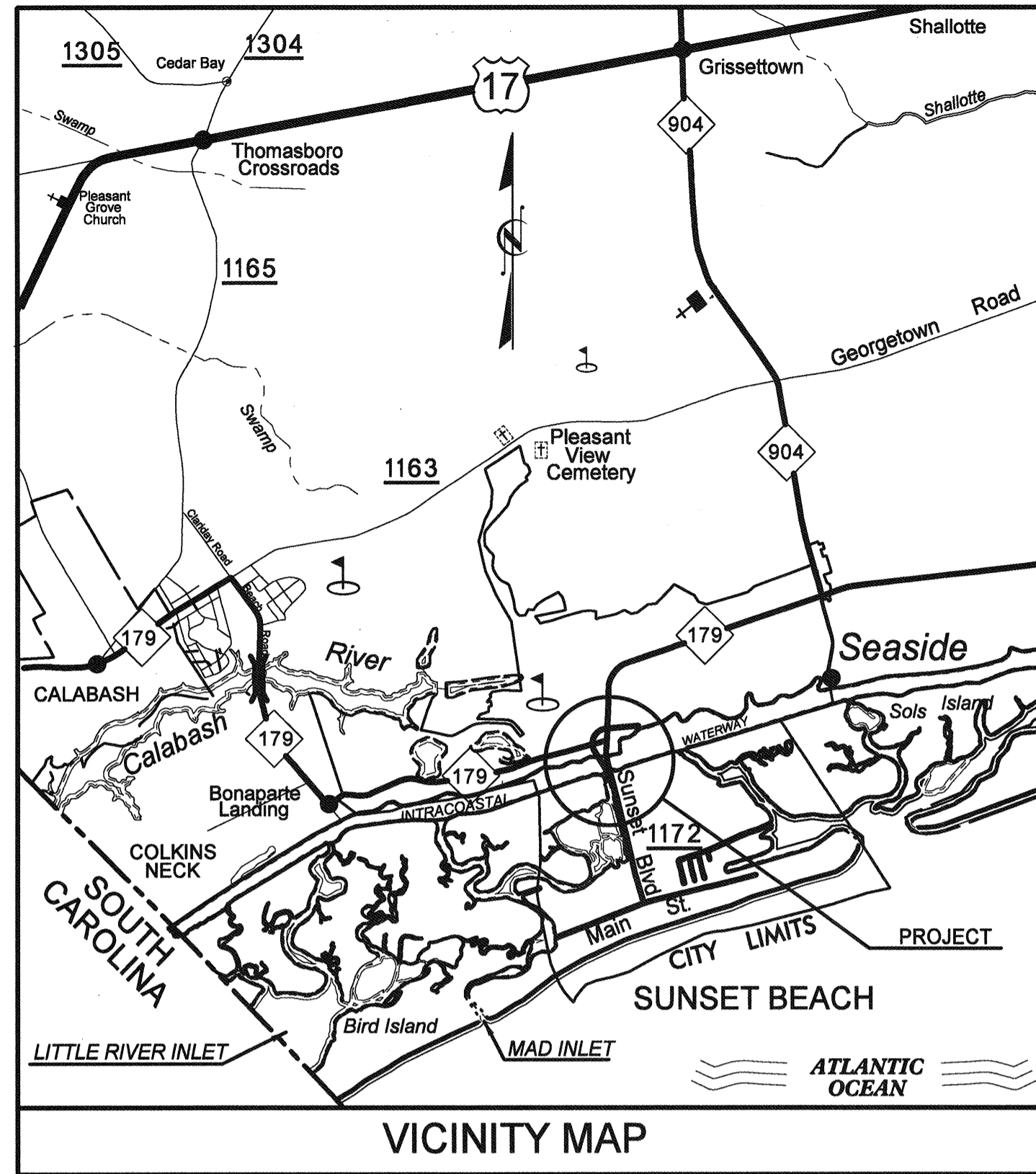
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
B-0682	UO-1

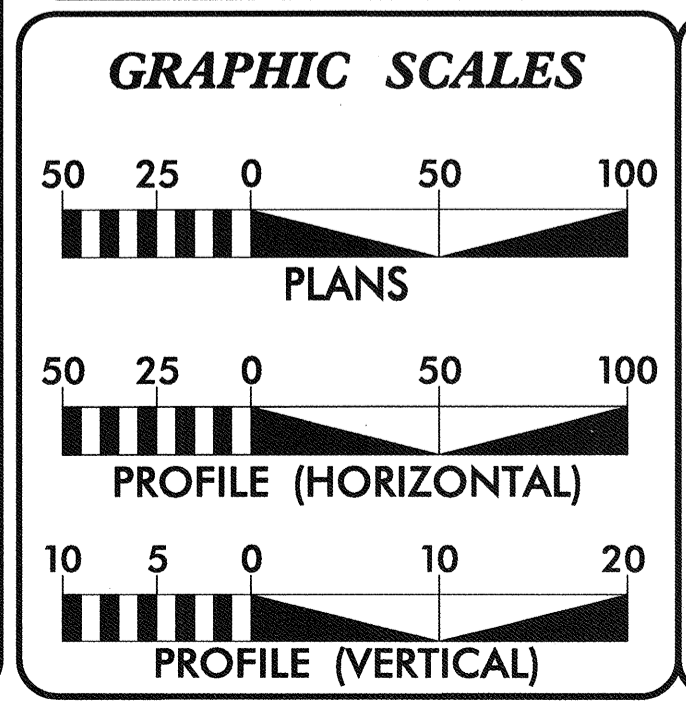
UTILITY BY OTHERS PLANS BRUNSWICK COUNTY

LOCATION: BRIDGE No. 198 OVER THE INTERCOASTAL WATERWAY
AND APPROACHES ON SR 1172 AT SUNSET BEACH

TYPE OF WORK: UTILITIES RELOCATION



THIS PROJECT IS WITHIN THE LIMITS OF SUNSET BEACH



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-3 thru UO-6	UTILITY BY OTHERS PLAN SHEETS
UO-7	UTILITY BY OTHERS PROFILE SHEET

UTILITY OWNERS ON PROJECT	
(1)	BRUNSWICK ELECTRIC MEMBERSHIP CORPORATION - ELECTRIC DISTRIBUTION
(2)	ATLANTIC TELEPHONE MEMBERSHIP CORPORATION - TELEPHONE
(3)	TOWN OF SUNSET BEACH - WATER

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701 Corporate Center Drive, Suite 475
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(FAX)

FOR:
DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION
1591 MAIL SERVICES CENTER
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PHONE (919) 250-4128
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Roger Worthington, P.E. UTILITIES SECTION ENGINEER
James S. McKee, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Earth Tech UTILITIES PROJECT DESIGNER

USER: gary.sawinson
DATE: 5/21/2007
TIME: 3:02:02 PM
JOB: 00682_100.dgn

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

PROJECT REFERENCE NO. B-0682	SHEET NO. UO-2

UTILITIES BY OTHERS

BOUNDARIES AND PROPERTY:

State Line	_____
County Line	_____
Township Line	_____
City Line	_____
Reservation Line	_____
Property Line	_____
Existing Iron Pin	○
Property Corner	⊗
Property Monument	□
Parcel/Sequence Number	(23)
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	-WLB-
Proposed Wetland Boundary	WLB
Existing High Quality Wetland Boundary	-HQ WLB-
Existing Endangered Animal Boundary	-EAB-
Existing Endangered Plant Boundary	-EPB-

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
Small Mine	⊗
Foundation	□
Area Outline	□
Cemetery	⊕
Building	□
School	□
Church	□
Dam	_____

HYDROLOGY:

Stream or Body of Water	_____
Hydro, Pool or Reservoir	_____
River Basin Buffer	-RBB-
Flow Arrow	←
Disappearing Stream	_____
Spring	○
Swamp Marsh	_____
Proposed Lateral, Tail, Head Ditch	_____
False Sump	_____

RAILROADS:

Standard Gauge	_____
RR Signal Milepost	○
Switch	□
RR Abandoned	_____
RR Dismantled	_____

RIGHT OF WAY:

Baseline Control Point	⊗
Existing Right of Way Marker	△
Existing Right of Way Line	_____
Proposed Right of Way Line	_____
Proposed Right of Way Line with Iron Pin and Cap Marker	_____
Proposed Right of Way Line with Concrete or Granite Marker	_____
Existing Control of Access	⊗
Proposed Control of Access	⊗
Existing Easement Line	_____
Proposed Temporary Construction Easement	_____
Proposed Temporary Drainage Easement	_____
Proposed Permanent Drainage Easement	_____
Proposed Permanent Utility Easement	_____

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	_____
Existing Curb	_____
Proposed Slope Stakes Cut	_____
Proposed Slope Stakes Fill	_____
Proposed Wheel Chair Ramp	_____
Curb Cut for Future Wheel Chair Ramp	_____
Existing Metal Guardrail	_____
Proposed Guardrail	_____
Existing Cable Guiderail	_____
Proposed Cable Guiderail	_____
Equality Symbol	⊕
Pavement Removal	_____

VEGETATION:

Single Tree	○
Single Shrub	○
Hedge	_____
Woods Line	_____
Orchard	_____
Vineyard	_____

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	_____
Bridge Wing Wall, Head Wall and End Wall	_____
MINOR:	
Head and End Wall	_____
Pipe Culvert	_____
Footbridge	_____
Drainage Box: Catch Basin, DI or JB	_____
Paved Ditch Gutter	_____
Storm Sewer Manhole	_____
Storm Sewer	_____

UTILITIES:

POWER:	
Existing Power Pole	○
Proposed Power Pole	○
Existing Joint Use Pole	○
Proposed Joint Use Pole	○
Power Manhole	○
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	_____
H-Frame Pole	_____
Recorded U/G Power Line	_____
Designated U/G Power Line (S.U.E.*)	_____

TELEPHONE:

Existing Telephone Pole	○
Proposed Telephone Pole	○
Telephone Manhole	○
Telephone Booth	□
Telephone Pedestal	□
Telephone Cell Tower	⊗
U/G Telephone Cable Hand Hole	_____
Recorded U/G Telephone Cable	_____
Designated U/G Telephone Cable (S.U.E.*)	_____
Recorded U/G Telephone Conduit	_____
Designated U/G Telephone Conduit (S.U.E.*)	_____
Recorded U/G Fiber Optics Cable	_____
Designated U/G Fiber Optics Cable (S.U.E.*)	_____

WATER:

Water Manhole	○
Water Meter	○
Water Valve	⊗
Water Hydrant	⊗
Recorded U/G Water Line	_____
Designated U/G Water Line (S.U.E.*)	_____
Above Ground Water Line	_____

TV:

TV Satellite Dish	⊗
TV Pedestal	□
TV Tower	⊗
U/G TV Cable Hand Hole	_____
Recorded U/G TV Cable	_____
Designated U/G TV Cable (S.U.E.*)	_____
Recorded U/G Fiber Optic Cable	_____
Designated U/G Fiber Optic Cable (S.U.E.*)	_____

GAS:

Gas Valve	◇
Gas Meter	◇
Recorded U/G Gas Line	_____
Designated U/G Gas Line (S.U.E.*)	_____
Above Ground Gas Line	_____

SANITARY SEWER:

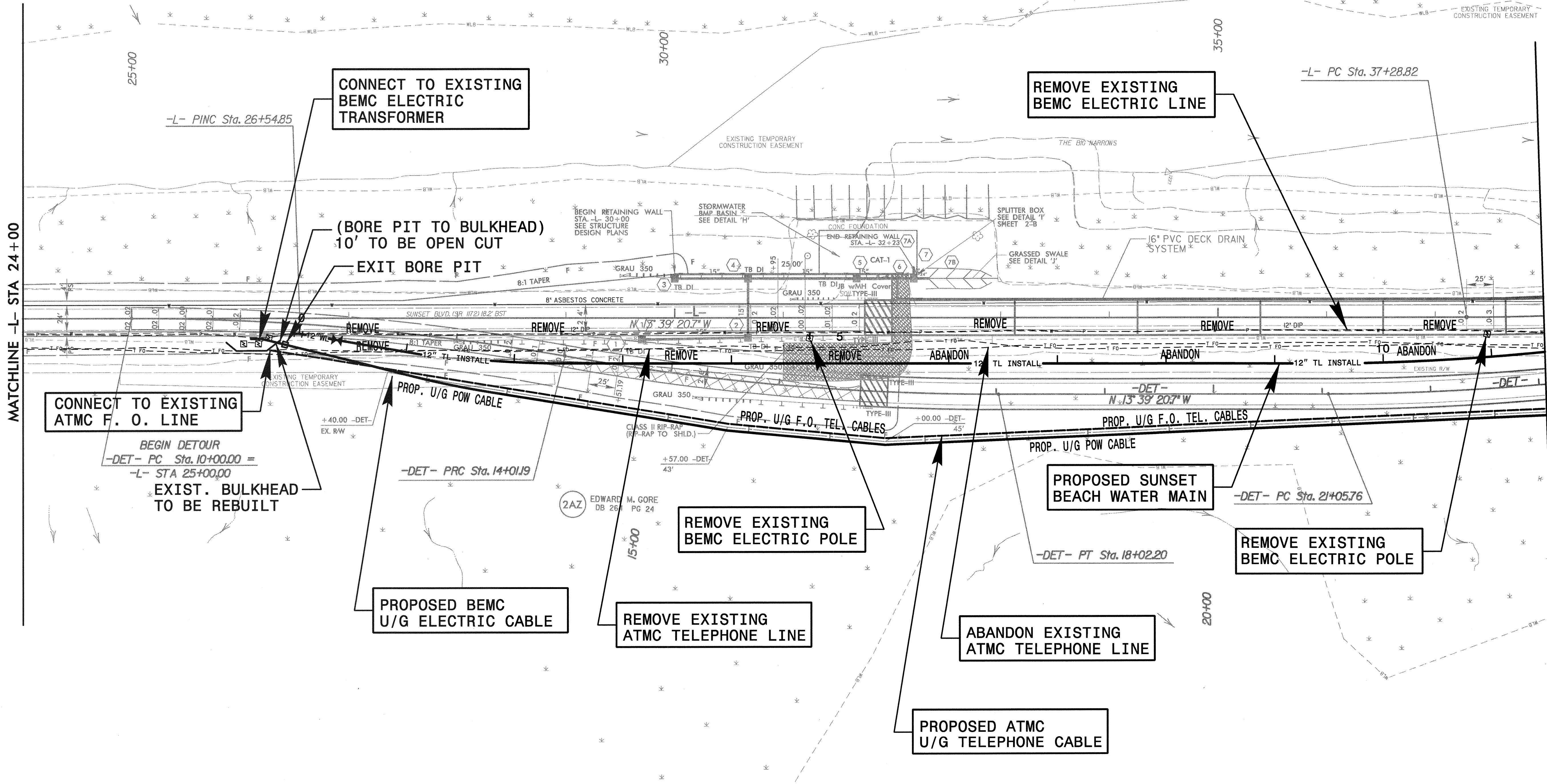
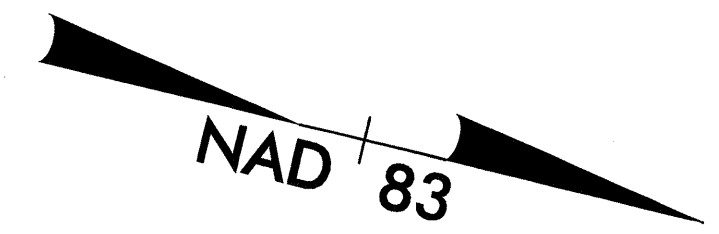
Sanitary Sewer Manhole	⊗
Sanitary Sewer Cleanout	⊗
U/G Sanitary Sewer Line	_____
Above Ground Sanitary Sewer	_____
Recorded SS Forced Main Line	_____
Designated SS Forced Main Line (S.U.E.*)	_____

MISCELLANEOUS:

Utility Pole	○
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	□
Utility Unknown U/G Line	_____
U/G Tank; Water, Gas, Oil	_____
A/G Tank; Water, Gas, Oil	_____
U/G Test Hole (S.U.E.*)	⊗
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

-L-
PI Sta 40+10.40
= 14' 00" 31.7" (LT)
D = 2' 30" 00.0"
L = 560.35'
T = 281.58'
R = 2,291.83'
SE = 03



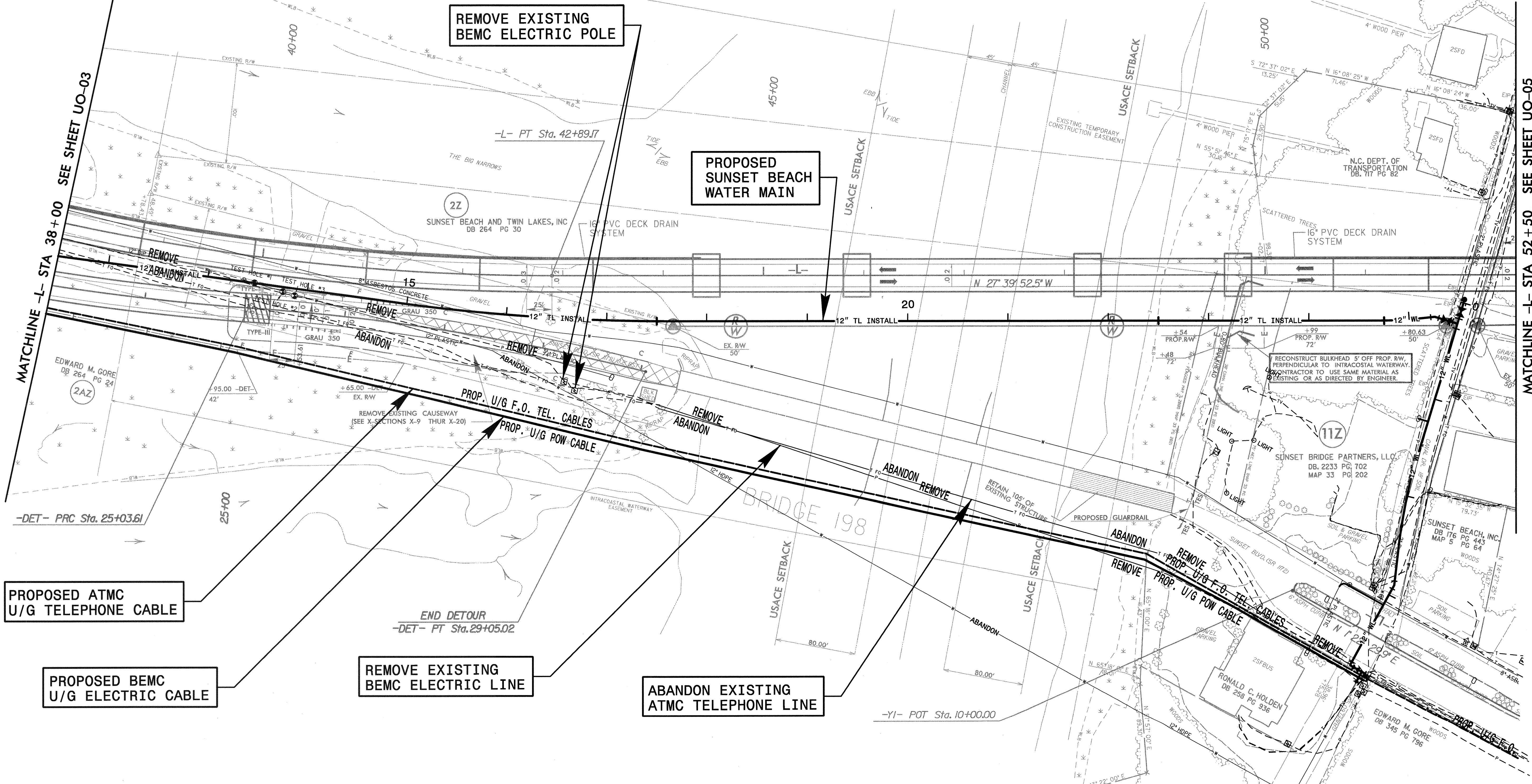
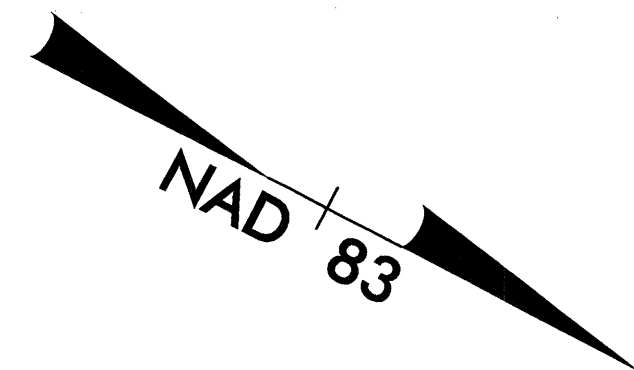
NOTE:
POWER AND TELEPHONE CABLES THIS SHEET
TO BE INSTALLED BY DIRECTIONAL DRILLING

USER: gary.whitson
DATE: 5/21/2007
TIME: 3:01:54 PM
C:\G:\B0682\ud03.dwg

PI Sta 40+10.40
 = 14° 00' 31.7" (LT)
 D = 2° 30' 00.0"
 L = 560.35'
 T = 281.58'
 R = 2,291.83'
 SE = 03

NOTE:
 ALL PROPOSED UTILITY WORK
 SHOWN ON THIS SHEET WILL
 BE DONE BY OTHERS

PROJECT REFERENCE NO. B-0682	SHEET NO. UO-04
SCALE: 25 0 50	
UTILITIES BY OTHERS	



MATCHLINE -L- STA 38+00 SEE SHEET UO-03

MATCHLINE -L- STA 52+50 SEE SHEET UO-05

PROPOSED ATM
 U/G TELEPHONE CABLE

PROPOSED BEMC
 U/G ELECTRIC CABLE

REMOVE EXISTING
 BEMC ELECTRIC LINE

ABANDON EXISTING
 ATM TELEPHONE LINE

NOTE:
 POWER AND TELEPHONE CABLES IN WETLANDS THIS
 SHEET TO BE INSTALLED BY DIRECTIONAL DRILLING

Prepared by:
EarthTech
 A Tyco International Ltd. Company
 701 Corporate Center Drive, Suite 475
 Raleigh, NC 27607
 (919) 854-6200 - (919) 854-6259(fax)

USER: gary.watson
 DATE: 5/21/2007
 TIME: 3:00:41 PM
 DGN: 00882.dwg

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

**CONNECT TO
EXISTING BEMC
ELECTRIC TRANSFORMER**

**PROPOSED BEMC
U/G ELECTRIC CABLE**

**CONNECT PROPOSED ATMC
U/G TELEPHONE CABLE TO
EXISTING HANDHOLE**

**PROPOSED ATMC
U/G TELEPHONE CABLE**

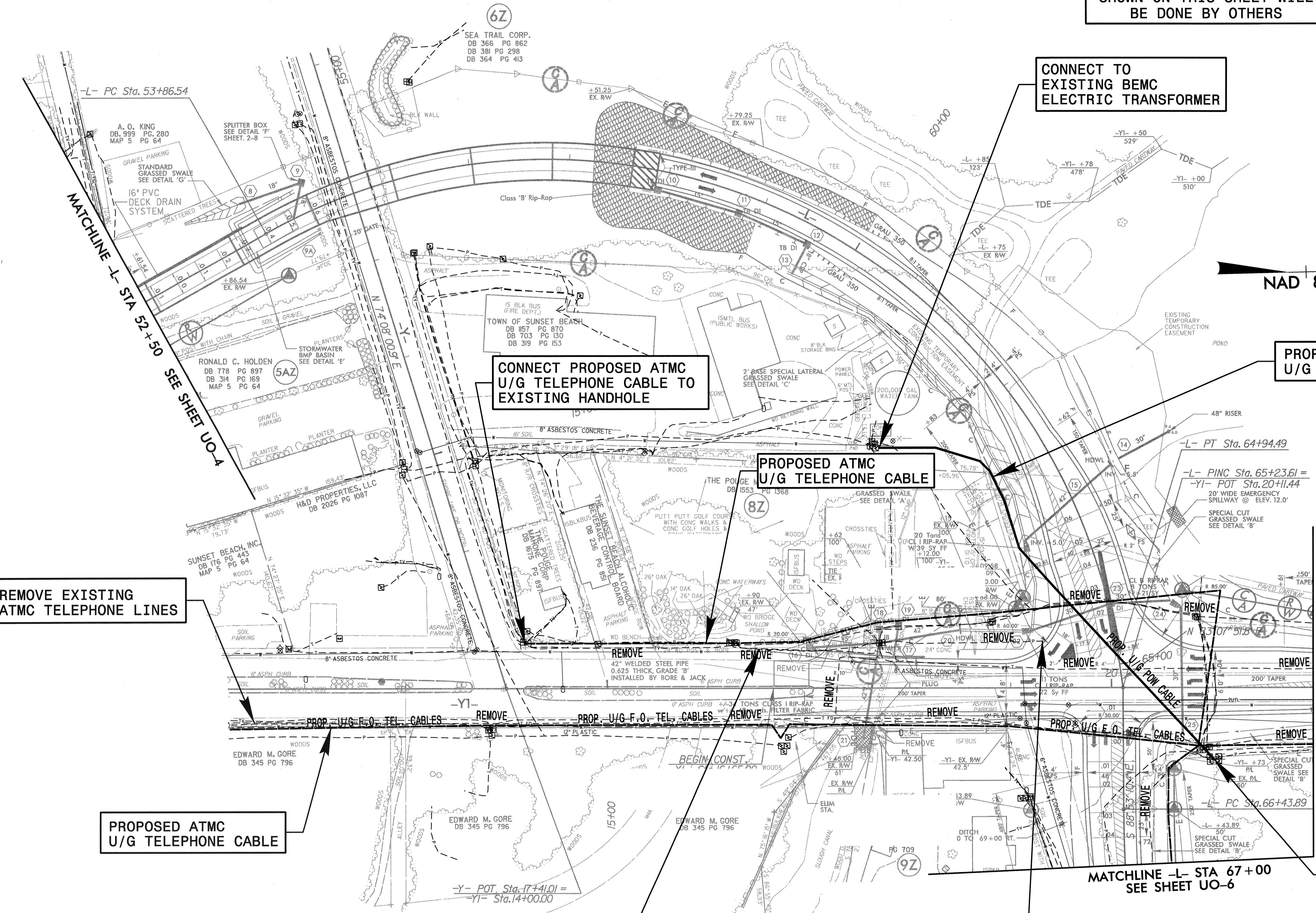
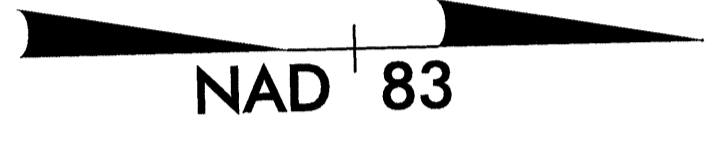
**REMOVE EXISTING
ATMC TELEPHONE LINES**

**PROPOSED ATMC
U/G TELEPHONE CABLE**

**REMOVE EXISTING U/G
BEMC ELECTRIC LINE**

**REMOVE EXISTING
BEMC ELECTRIC POLE**

**CONNECT TO
EXISTING BEMC
ELECTRIC TRANSFORMER**

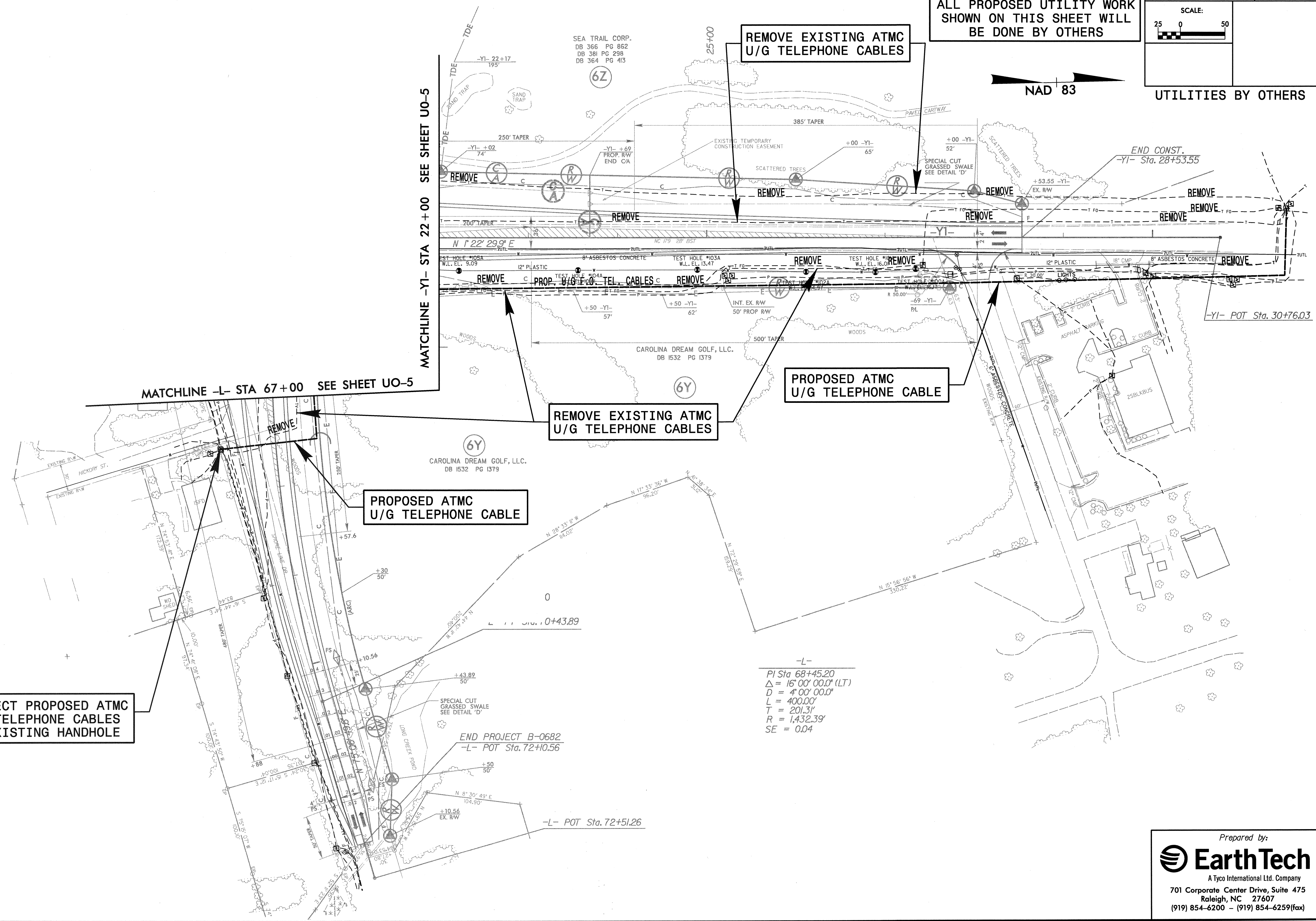
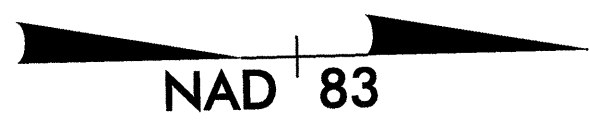


MATCHLINE -Y1- STA 22+00
SEE SHEET UO-6

MATCHLINE -L- STA 67+00
SEE SHEET UO-6

USER: gary.watson
DATE: 5/21/2007
TIME: 2:59:36 PM
DGN: 0682_UO05.dgn

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



**REMOVE EXISTING ATMC
U/G TELEPHONE CABLES**

**REMOVE EXISTING ATMC
U/G TELEPHONE CABLES**

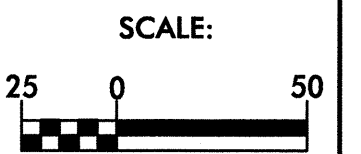
**PROPOSED ATMC
U/G TELEPHONE CABLE**

**PROPOSED ATMC
U/G TELEPHONE CABLE**

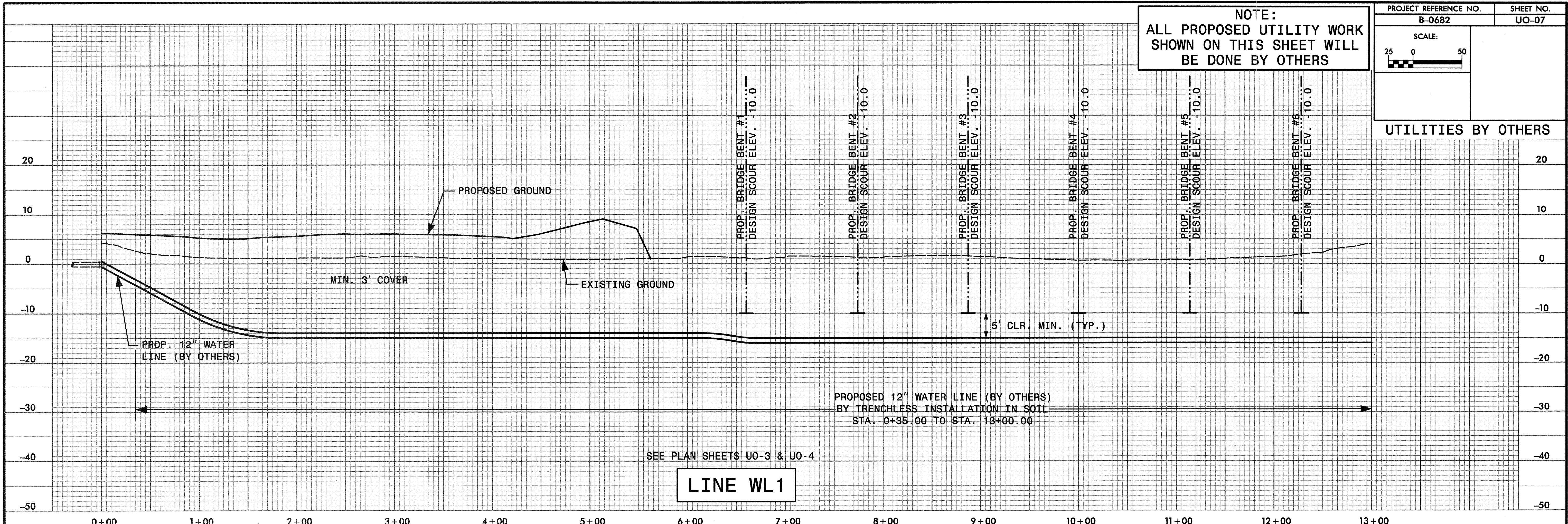
**CONNECT PROPOSED ATMC
U/G TELEPHONE CABLES
TO EXISTING HANDHOLE**

-L-
PI Sta 68+45.20
 $\Delta = 16^{\circ} 00' 00.0''$ (LT)
D = 4' 00' 00.0"
L = 400.00'
T = 201.31'
R = 1,432.39'
SE = 0.04

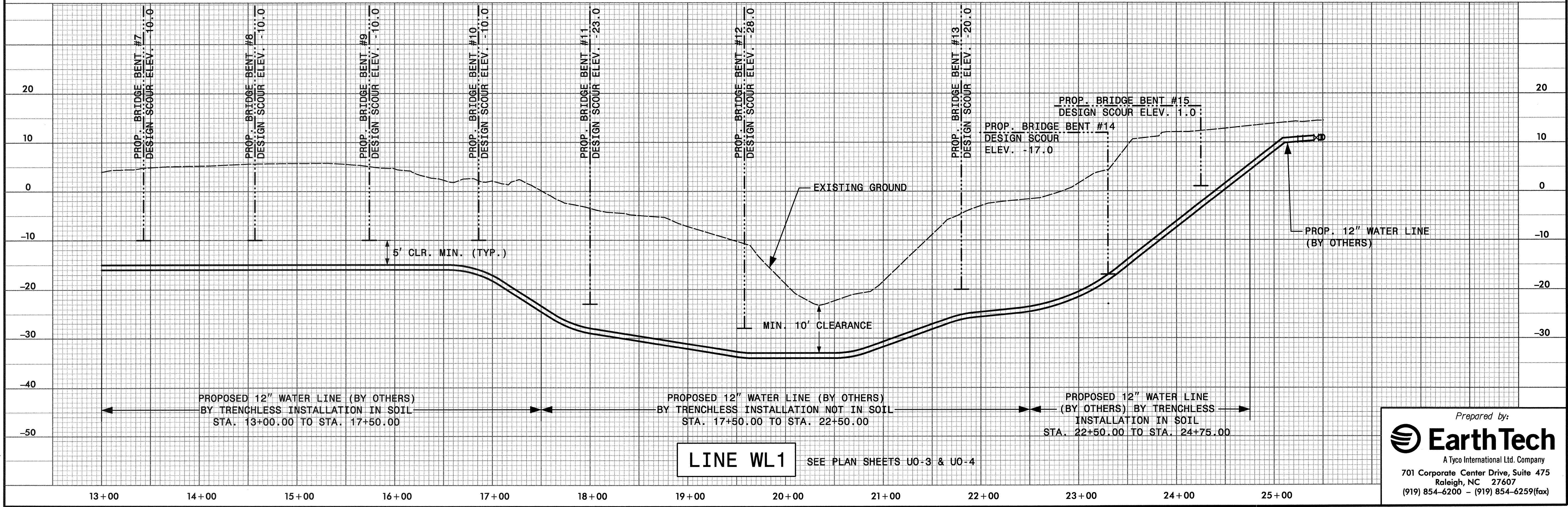
NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS



UTILITIES BY OTHERS



LINE WL1



LINE WL1

SEE PLAN SHEETS UO-3 & UO-4

USER: gnyawinson
DATE: 5/21/2007
TIME: 2:58:39 PM
DGN: D0682_UO07.dgn

Prepared by:
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