

UTILITIES

GAS

WISCONSIN NATURAL GAS CO. (APPLETON)
DAVE BROOKS
800 S. LYNNDALE DR.
APPLETON, WI. 54912
414-735-8357
FAX: 414-380-3360

TELEPHONE

AMERITECH
JOHN STUMPF
221 W. WASHINGTON ST.
4TH FLOOR - OSPE
APPLETON, WI. 54911
414-735-3246

CABLE

CABLEVISION
RANDY HAUGSTUEN
1001 KENNEDY AVE., PO BOX 145
KIMBERLY, WI. 54136-0145
414-749-1400

SANITARY (TOWN OF GREENVILLE)

JIM WUNDERLICH (CHMN)
P.O. BOX 59
GREENVILLE, WI. 54942
414-757-5650

SANITARY SEWER & WATER (TOWN OF GRAND CHUTE)

DONALD A NOVAK (ADMIN)
502 W. NORTHLAND AVE.
APPLETON, WI. 54911
414-832-1573

ELECTRIC DISTRIBUTION

WISCONSIN ELECTRIC POWER CO
JAMES JACOBS
P.O. BOX 1699
APPLETON, WI. 54913
414-735-0705

ELECTRIC TRANSMISSION

WISCONSIN ELECTRIC POWER CO.
BRIAN BLACK
231 W. MICHIGAN ST.
MILWAUKEE, WI. 53201
414-221-2405

ELECTRIC

WISCONSIN ENERGY COMMISSION
ROBERT JUST
P.O. BOX 1699
APPLETON, WI. 54913
414-380-3450

FIBER OPTIC

NORLIGHT
KEN ANDERSON
579 D'ONOFRIO DR.
MADISON, WI. 53719
608-749-8332 800-833-8332

TELECOMMUNICATIONS

MRC TELECOM
BILL WATERMAN
GRANT RD. P.O. BOX 60
RUBICON, WI. 53078
414-224-2920

PIPELINE

ANR PIPELINE
GARY KLITZKE
P.O. BOX 398
BONDUEL, WI. 54107
414-547-5528

RAILROAD

FOX VALLEY WESTERN LTD.
1607 W. 2ND ST.
APPLETON, WI. 54914
414-734-1438

CONTACT



TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU
DIG IN WISCONSIN

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

GENERAL NOTES

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATION AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

SAWED JOINTS ARE REQUIRED WHERE NEW SURFACING JOINS EXISTING PAVEMENT.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCLUDING ROADBED, ETC. ARE TO BE SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED.

EXCAVATION BELOW SUBGRADE (E.B.S.) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS-SECTIONS BUT IT IS MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION. THE LOCATION OF E.B.S. WILL BE DETERMINED BY THE ENGINEER.

CONVERSION FACTOR = 0.99994.

PLAN ELEVATIONS = USGS DATUM.

REMOVING PAVEMENT QUANTITIES ARE NOT INCLUDED IN THE YARDAGE COMPUTATIONS AS FILL.

FILL AS SHOWN ON THE PLAN PERTAINS TO EMBANKMENT CONSTRUCTION FROM UNCLASSIFIED EXCAVATION. THE EXPANSION FACTOR USED TO COMPUTE THE VOLUME OF MATERIAL NECESSARY TO COMPLETE THE FILL IS 15% FOR BORROW EXCAVATION BASED ON THE VOLUME OF FILL AND 25% FOR UNCLASSIFIED EXCAVATION BASED ON ITS ORIGINAL POSITION.

ELEVATIONS SHOWN ON CROSS SECTIONS ARE SUB GRADE.

IMMEDIATELY AFTER CONSTRUCTION OF ANY INLET, CONTRACTOR SHALL CONSTRUCT SILT FENCE AROUND THE INLET IN ACCORDANCE WITH THE DETAIL SHOWN ON THE PLANS TO MINIMIZE SEDIMENTATION IN THE INLET AND STORM SEWER.

SEED MIXTURE NO. 30 SHALL BE USED ON ALL CUT AND FILL SLOPES.

MULCHING QUANTITIES ARE ESTIMATED AT 2.25 TONS PER ACRE.

THE LAST THREE JOINTS OF R.C.C.P. AND R.C.H.E.C.P. SHALL BE TIED. TIES ARE INCIDENTAL TO ITEM OF R.C.C.P. AND R.C.H.E.C.P. RESPECTIVELY.

DRIVEWAYS SHALL BE REPLACED IN KIND.

CURVE DATA BASED ON ARC DEFINITION.

ALL CULVERT PIPES AND MEDIAN DRAIN OUTLETS REQUIRE AN ENDWALL OF THE SAME TYPE.

ALL CULVERT PIPES AND STORM SEWER ARE CLASS III UNLESS OTHERWISE NOTED.

ASPHALTIC CONCRETE PAVEMENT SHALL BE CONSTRUCTED WITH A 1-3/4 INCH SURFACE COURSE.

EARTHWORK BALANCES AND HAULS AS SHOWN ON THE PLAN AND PROFILE SHEETS MAY BE REVISED WITH THE APPROVAL OF THE ENGINEER IF SUCH REVISIONS WILL FACILITATE THE CONTRACTORS PLAN OF OPERATION AND SATISFY THE REQUIRMENTS OF THE PLANS SPECIFICATIONS AND SPECIAL PROVISIONS.

STANDARD DETAIL DRAWINGS

| SDD NUMBER | TITLE |
|------------|---|
| 8A5-11a,b | INLET COVERS |
| 8C1-5 | INLETS, TYPES 1,2,3 AND 4 |
| 8C5-2 | INLETS, TYPES 8,9,10 AND 11 |
| 8E8-2 | TYPICAL INSTALLATIONS OF EROSION BALES |
| 8E9-4 | SILT FENCE |
| 8F1-11 | APRON ENDWALLS FOR CULVERT PIPE |
| 8F2-1 | APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE |
| 8F4-5 | JOINT TIES FOR CONCRETE PIPE |
| 9A1-9a | AT-GRADE SIDE ROAD INTERSECTIONS, TYPES "B","C" AND "D" |
| 15C2-3 | BARRICADES AND SIGNS FOR ROAD CLOSURES |
| 15C11-5 | FLEXIBLE TUBULAR MARKER POST, ANCHOR AND BASES |
| 15C12-2 | TRAFFIC CONTROL FOR LANE CLOSURE |
| 15C7-5a | PAVEMENT MARKING SYMBOLS |
| 15C8-7a | PAVEMENT MARKING (MAINLINE) |
| 15C8-7c | PAVEMENT MARKING (LEFT TURN LANE) |

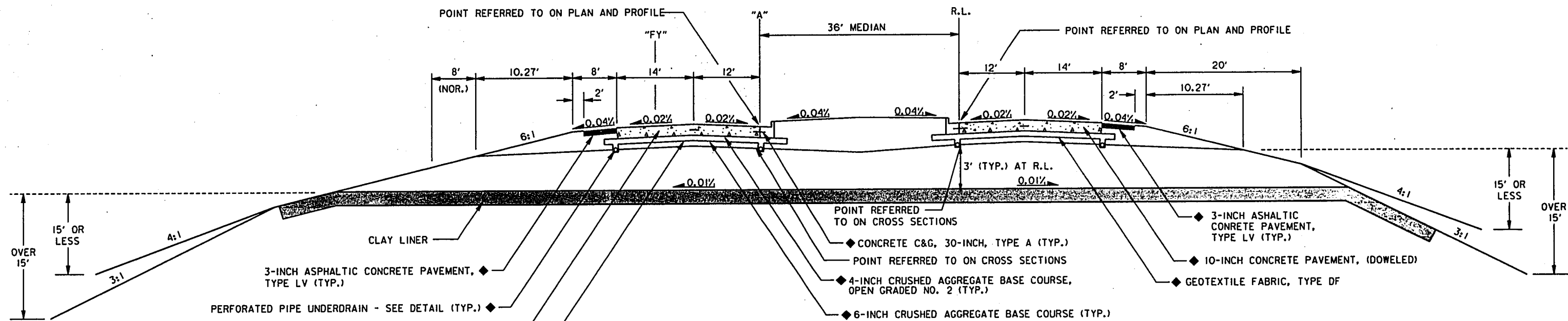
STANDARD ABBREVIATIONS

| | | | |
|--------------|------------------------------|-------------|--|
| AP | ACCESS POINT | PSI | POUNDS PER SQUARE INCH |
| AC | ACRE | PE | PRIVATE ENTRANCE |
| AGG | AGGREGATE | PROJ | PROJECT |
| AH | AHEAD | R | RADIUS |
| | ANGLE | R | RANGE |
| ASPH | ASPHALTIC | RL or R/L | REFERENCE LINE |
| AC | ASPHALT CEMENT | RCCP | REINFORCED CONCRETE CULVERT PIPE |
| AVG | AVERAGE | RCPSS | REINFORCED CONCRETE PIPE STORM SEWER |
| ADT | AVERAGE DAILY TRAFFIC | REBAR | REINFORCEMENT BAR |
| BK | BACK | REINF | REINFORCING OR REINFORCEMENT |
| BL or B/L | BASE LINE | REM | REMAINING |
| BM | BENCH MARK | REQD | REQUIRED |
| BR | BRIDGE | RHF | RIGHT-HAND FORWARD |
| CB | CATCH BASIN | R/W | RIGHT-OF-WAY |
| | CENTRAL ANGLE OR DELTA | RD | ROAD |
| CONC | CONCRETE | SALV | SALVAGED |
| CORR | CORRUGATED | SAN S | SANITARY SEWER |
| CTH | COUNTY TRUNK HIGHWAY | SEC | SECTION |
| CR | CREEK | SHLDR | SHOULDER |
| CR | CRUSHED | SHR | SHRINKAGE |
| CY or CU YD | CUBIC YARD | S | SOUTH |
| CULV | CULVERT | SB | SOUTHBOUND |
| CP | CULVERT PIPE | SP | SPECIAL |
| (D) | DEED | SPECS | SPECIFICATIONS |
| D | DEGREE OF CURVE | SO | SQUARE |
| DHV | DESIGN HOUR VOLUME | SF or SO FT | SQUARE FEET |
| DIA | DIAMETER | SY or SO YD | SQUARE YARD |
| D | DIRECTIONAL DISTRIBUTION | STD | STANDARD |
| DISCH | DISCHARGE | SDD | STANDARD DETAIL DRAWINGS |
| DIST | DISTRICT | STH | STATE TRUNK HIGHWAY |
| DG | DITCH GRADE | STA | STATION |
| E | EAST | SSD | STOPPING SIGHT DISTANCE |
| X | EAST GRID COORDINATE | SS | STORM SEWER |
| EB | EASTBOUND | SUBD | SUBDIVISION |
| EL or ELEV | ELEVATION | SE | SUPERELEVATION |
| EMB | EMBANKMENT | SURF | SURFACE |
| ESALS | EQUIVALENT SINGLE AXLE LOADS | T | TANGENT |
| EXC | EXCAVATION | TEL | TELEPHONE |
| EBS | EXCAVATION BELOW SUBGRADE | TEMP | TEMPORARY |
| EXIST | EXISTING | TLE | TEMPORARY LIMITED EASEMENT |
| EXP | EXPANSION | TPM | TEMPORARY PAVEMENT MARKING |
| FERT | FERTILIZE | TPMRT | TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE |
| F | FILL | T or TN | TOWN |
| FG | FINISHED GRADE | TRANS | TRANSITION |
| FL or F/L | FLOW LINE | T | TRUCKS (PERCENT OF) |
| FT | FOOT | TYP | TYPICAL |
| FTG | FOOTING | UNCL | UNCLASSIFIED |
| GN | GRID NORTH | UG | UNDERGROUND CABLE |
| HT | HEIGHT | USH | UNITED STATES HIGHWAY |
| HES | HIGH EARLY STRENGTH | VAR | VARIABLE |
| CWT | HUNDREDWEIGHT | V | VELOCITY OR DESIGN SPEED |
| IN DIA | INCH DIAMETER | VERT | VERTICAL |
| INL | INLET | VC | VERTICAL CURVE |
| ID | INSIDE DIAMETER | VOL | VOLUME |
| INTERS | INTERSECTION | WM | WATER MAIN |
| I | INTERSECTION ANGLE | WV | WATER VALVE |
| INV | INVERT | W | WEST |
| IP | IRON PIPE OR PIN | WB | WESTBOUND |
| JT | JOINT | | |
| LC | LAND CONTRACT | | |
| LHF | LEFT-HAND FORWARD | | |
| L | LENGTH OF CURVE | | |
| LIN FT or LF | LINEAR FOOT | | |
| LC | LONG CHORD OF CURVE | | |
| LS | LUMP SUM | | |
| MAINT | MAINTENANCE | | |
| MH | MANHOLE | | |
| MP | MARKER POST | | |
| M | MARSH | | |
| ML or M/L | MATCH LINE | | |
| MATL | MATERIAL | | |
| NC | NORMAL CROWN | | |
| NW or N/W | NORMAL WATER | | |
| N | NORTH | | |
| Y | NORTH GRID COORDINATE | | |
| NB | NORTHBOUND | | |
| NO | NUMBER | | |
| OBLIT | OBLITERATE | | |
| OD | OUTSIDE DIAMETER | | |
| PAVT | PAVEMENT | | |
| PLE | PERMANENT LIMITED EASEMENT | | |
| PT | POINT | | |
| PC | POINT OF CURVATURE | | |
| PI | POINT OF INTERSECTION | | |
| PRC | POINT OF REVERSE CURVATURE | | |
| PT | POINT OF TANGENCY | | |
| POC | POINT ON CURVE | | |
| POT | POINT ON TANGENT | | |
| PCC | PORTLAND CEMENT CONCRETE | | |
| LB | POUND | | |

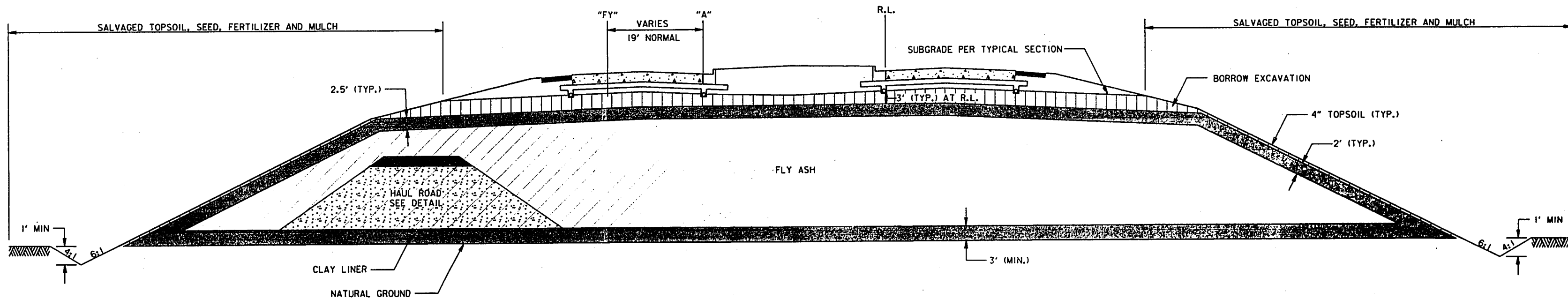
| | |
|----------------------|------------------|
| STATE PROJECT NUMBER | SHEET NO |
| 1146-07-71 | 2.0 |
| GENERAL NOTES | |
| STH 76 | OUTAGAMIE COUNTY |

ENVIROMENTAL CONTACT LIST

KELLEY O'CONNOR, ENVIRONMENTAL COORDINATOR
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
1125 N. MILITARY AVENUE
GREEN BAY, WI. 54307
(414) 492-5819



TYPICAL FINISHED SECTION
PROPOSED 4-LANE WITH MEDIAN



TYPICAL SECTION
FLY ASH PLACEMENT
STA 210+00 - STA 218+00

◆ NOT PART OF THIS CONTRACT

