

NOT ADEQUATE INDEX

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

PLAN INDEX: ALL ITEMS REQUIRED BY 327 IAC 5-5.1 ARE NOTED ON THIS SHEET AS OUTLINED IN THE DNR TECHNICAL REVIEW FORM UNLESS SPECIFICALLY REQUIRED TO BE ON A SEPARATE SHEET.

NATURE AND PURPOSE OF PROJECT: THE OWNER/DEVELOPER IS PROPOSING A 2 ACRE MULTI-PURPOSE DEVELOPMENT LIMITED TO THIS SPECIFIC STRUCTURE, PAVEMENT AND ASSOCIATED EARTHWORK ON THE SUBJECT PROPERTY DIRECTLY NORTHWEST INTERSECTION OF GREEN RIVER ROAD AND KANSAS ROAD, L.A.S. 38' x 655' LONG, BY 27' WIDE.

NO PORTION OF THIS SITE IS DESIGNATED AS A WETLAND ON THE U.S. FISH AND WILDLIFE SERVICE'S CURRENT MAP TO OUR KNOWLEDGE OF THIS SITE. STATE OF INDIANA REQUIREMENTS FOR WATER QUALITY PERMITS, THERE ARE NO WETLANDS OR WATER COURSES ON OR DIRECTLY ADJACENT TO THIS SITE, THERE IS A LAKE AS SHOWN.

THE RECEIVING WATERS ARE BLUEGRASS CREEK EAST OF THIS SITE. ALL SITE STORM WATER DRAINAGE PROPOSED HERE WILL DRAIN ACROSS PAVEMENT THEN GRASS INTO THE NEW RETENTION BASIN WHICH OUTFALLS TO THE EAST TO THE EXISTING COUNTY DRAINAGE DITCH. **USA CONSEQUENCES = HEAVY DITCH**

TO OUR KNOWLEDGE THERE ARE NO ABANDONED WELLS, SINKHOLES, ETC. WITHIN THIS PROJECT SITE.

THE ENTIRE SITE IS OUTSIDE THE 100 YEAR FLOOD PLAIN AS PER FIRM, PANEL NO. 180256 0025 C DATED AUG. 5, 1991.

THE PROPOSED SITE IS EXISTING VEGETATIVE COVER, TREES AND AN EXISTING RESIDENCE.

THE SOILS ARE LABELED AS SHOWN IN THE SOIL SURVEY OF VANDERBURGH COUNTY, INDIANA, HOSMER SILT LOAM, 0 TO 2% SLOPES, ERODED (NA SILT LOAM) AND (WA) WAKELAND SILT LOAM - SEE SOIL LEGEND THIS SHEET.

THERE ARE NO OFF-SITE CONSTRUCTION ACTIVITIES PLANNED FOR THIS PROJECT.

THERE ARE NO SOIL STOCKPILE, BORROW OR DISPOSAL AREAS PLANNED FOR THIS PROJECT.

POTENTIAL SOURCES OF POLLUTION FOR THIS PROJECT ARE: SILT, SEDIMENT, CONCRETE WASHOUT AND DUST, FUELS, LUBRICANTS, PAINTS, SOLVENTS, SANITARY WASTES, GARBAGE AND LITTER WHICH ARE TYPICALLY FOUND ON ANY NEW CONSTRUCTION SITE DURING CONSTRUCTION. SITE SHALL BE POLICED DAILY TO REDUCE POLLUTANTS.

THE OWNER/DEVELOPER WILL BEGIN PRELIMINARY SITE PREPARATION OF THIS SITE THIS SPRING. IT WILL INVOLVE ESTABLISHING A STABLE CONSTRUCTION ENTRANCE, SITE CLEARING AND CONSTRUCTING A BUILDING. SITE CLEARING WILL INITIATE A LAND CLEARING ACTIVITY. WITH THIS IN MIND, SITE PERIMETER SILT FENCE PROTECTION SHALL BE INSTALLED PRIOR TO ANY SITE CLEARING ACTIVITIES. ONCE THE BUILDING PAD, PAVEMENT AND EXTERIOR FINISH GRADES HAVE BEEN ESTABLISHED, TEMPORARY SEEDING MEASURES SHALL BE INCORPORATED IN AREAS WHERE PERMANENT SEEDING WILL TAKE PLACE. ONCE CONSTRUCTION IS COMPLETE, THE SITE IS CURRENTLY UNDEVELOPED RESIDENTIAL PROPERTY. A PORTION OF THE SITE WILL BE ROUTED TO THE RETENTION BASIN SOUTH OF THE NEW STRUCTURE. THE REMAINDER DRAINS THROUGH GRASS AREAS TO THE EXISTING COUNTY DRAINAGE DITCH TO THE EAST. THE RETENTION BASIN AS WELL AS ITS RESTRICTED OUTFALL ARE SIZED WITH THIS IN MIND.

ALL AREAS DISTURBED WITHIN THE 'CONSTRUCTION LIMITS' SHALL HAVE TEMPORARY AS WELL AS PERMANENT SEEDING PER TABLES IN SUB SECTION 31 OF THE INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS AS APPROPRIATE FOR SHEET OR CONCENTRATED FLOW AREAS.

MATERIAL HANDLING AND STORAGE ASSOCIATED WITH CONSTRUCTION WASTES, GARBAGE AND UNUSED BUILDING MATERIALS SHALL BE MANAGED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE STATUTES AND REGULATIONS. EACH CONTRACTOR / SUBCONTRACTOR SHALL MAKE AVAILABLE ON SITE HIS / HER OWN SILL PREVENTION AND SPILL RESPONSE PLAN COMPLYING WITH 327 IAC 2-5.4.

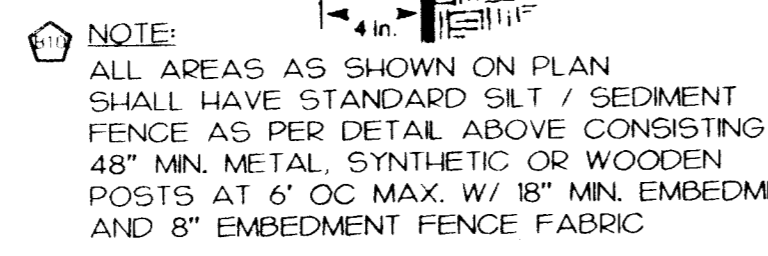
MONITORING AND MAINTENANCE OF THE SILT FENCE AND CONSTRUCTION ENTRANCE AS WELL AS LOG KEEPING ACTIVITIES BY QUALIFIED PERSONNEL AND IMMEDIATE AND SUCCESSFUL REVEGETATION OF DISTURBED AREAS OF THE SITE WILL BE VITAL TO THE SUCCESS OF THESE STORMWATER QUALITY MEASURES THROUGHOUT THE CONSTRUCTION ACTIVITY. IMPLEMENTATION OF THESE MEASURES WILL BE MONITORED BY TRAINED INDIVIDUALS. IF ANY OF THESE STORMWATER QUALITY MEASURES SEEM TO BE INAPPROPRIATE OR INEFFECTIVE, THIS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE PROJECT ENGINEER FOR EVALUATION AND REMEDY IF NECESSARY.

POTENTIAL SOURCES OF POLLUTION FOR THIS LAND USE ARE: AUTOMOBILE FUELS AND FLUIDS, GARBAGE, LITTER, FERTILIZERS AND YARD WASTE WHICH ARE TYPICALLY FOUND ON ANY BUSINESS PARKING LOT OR FACILITY GROUNDS.

ROUTING THE STORMWATER RUNOFF THROUGH THE GRASS AREAS TO THE EXISTING DITCH AND NEW RETENTION BASIN WILL NOT ONLY POSSIBLY CAPTURE ANY POLLUTANTS BUT WILL ALSO ALLOW FUTURE FILTRATION AT THE OUTFALL OF THE RETENTION BASIN.

ROUTING THE STORMWATER RUNOFF THROUGH THE GRASS AND GRASS SWALE AREAS WILL NOT ONLY POSSIBLY CAPTURE ANY POLLUTANTS BUT WILL ALSO SLOW THEIR ARRIVAL AT THE EXISTING DITCH AND NEW RETENTION BASIN.

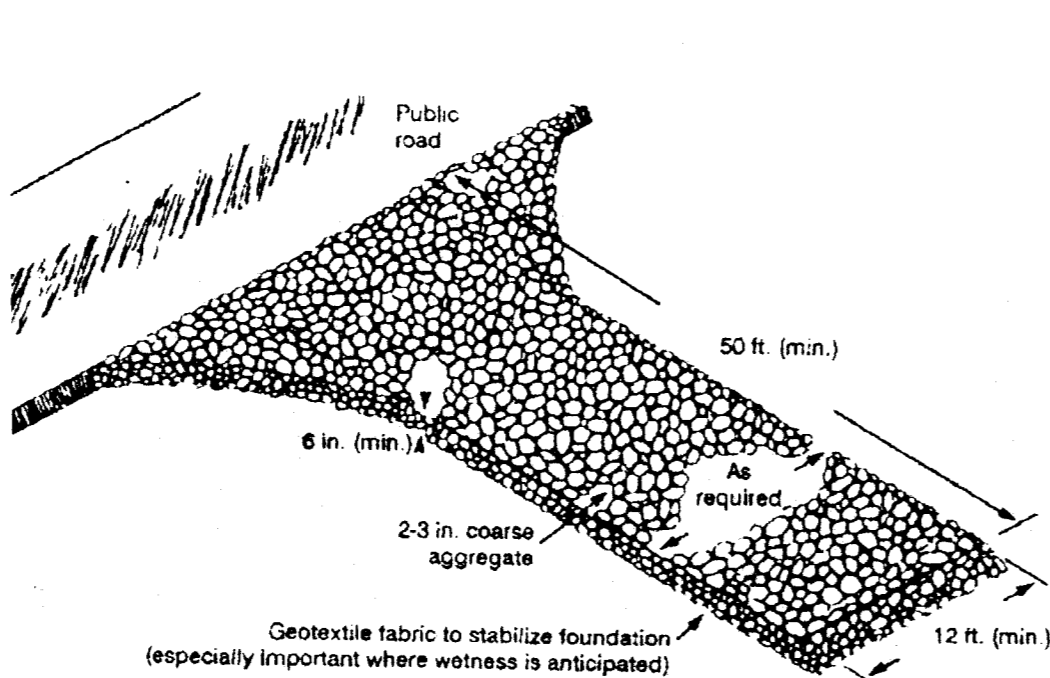
MAINTENANCE OF THE GRASS AREAS WILL BE OF UTMOST IMPORTANCE TO THE SUCCESS OF THIS PLAN. IMMEDIATE AND SUCCESSFUL REVEGETATION OF DISTURBED AREAS OF THE SITE WILL ALSO BE VITAL, WITH DUE CONSIDERATION GIVEN TO SITE PREPARATION, SEED MIXTURES AS WELL AS SEEDING PROGRAM IMPLEMENTATION INCLUDING LONG TERM MAINTENANCE. OWNER IS RESPONSIBLE FOR MAINTAINING THE GRASS AREAS ONCE CONSTRUCTION IS COMPLETE.



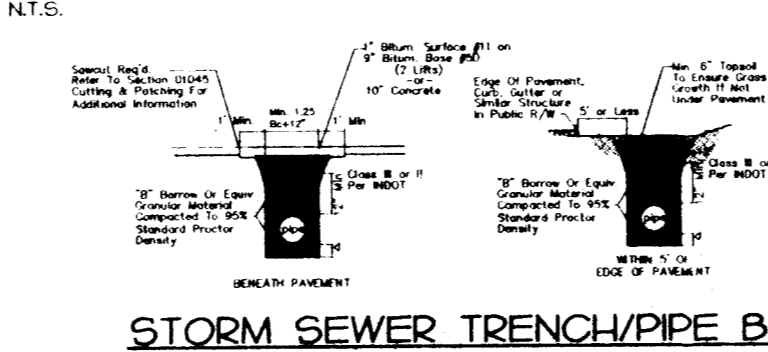
STRAW BALES AT CONCRETE WASHOUT AREA ANCHORED WITH (2) 2"x2"x3" LG. PEGS OR STEEL FENCE POSTS PER EACH BALE. BALES TO BE PLACED WITH OVERLAPPING EDGES.

CONCRETE WASHOUT AREA
N.T.S.

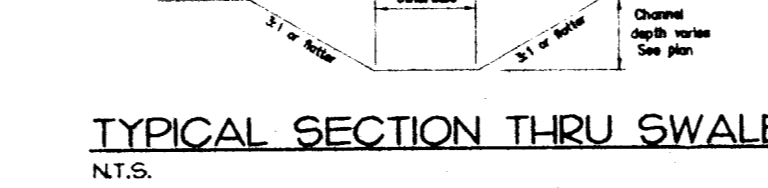
SILT FENCE
N.T.S. REF. PRACTICE 3.74



STABLE CONSTRUCTION ENTRANCE
N.T.S. REF. PRACTICE 3.01



STORM SEWER TRENCH/PIPE BEDDING DETAIL
N.T.S.

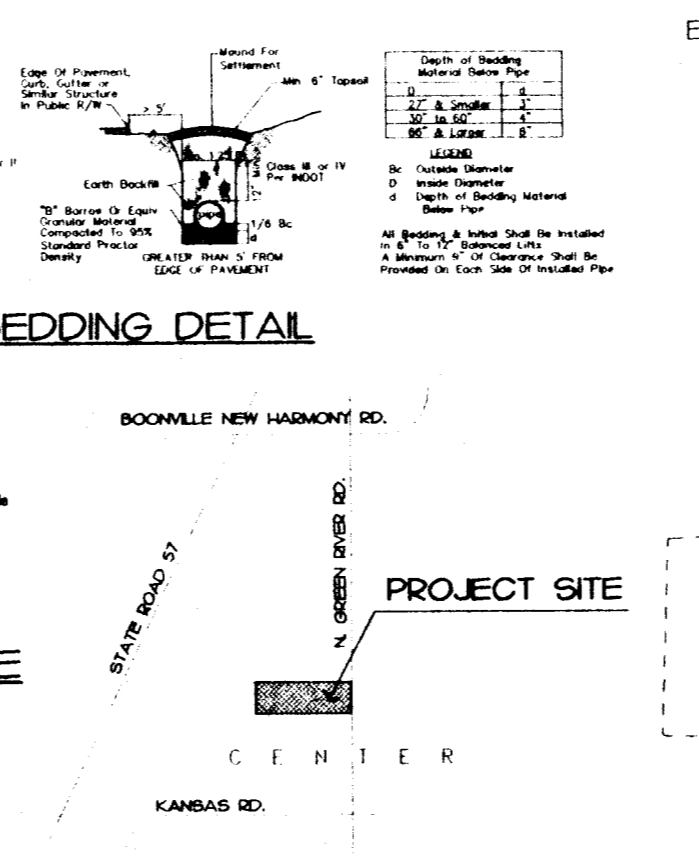


TYPICAL SECTION THRU SWALE
N.T.S.

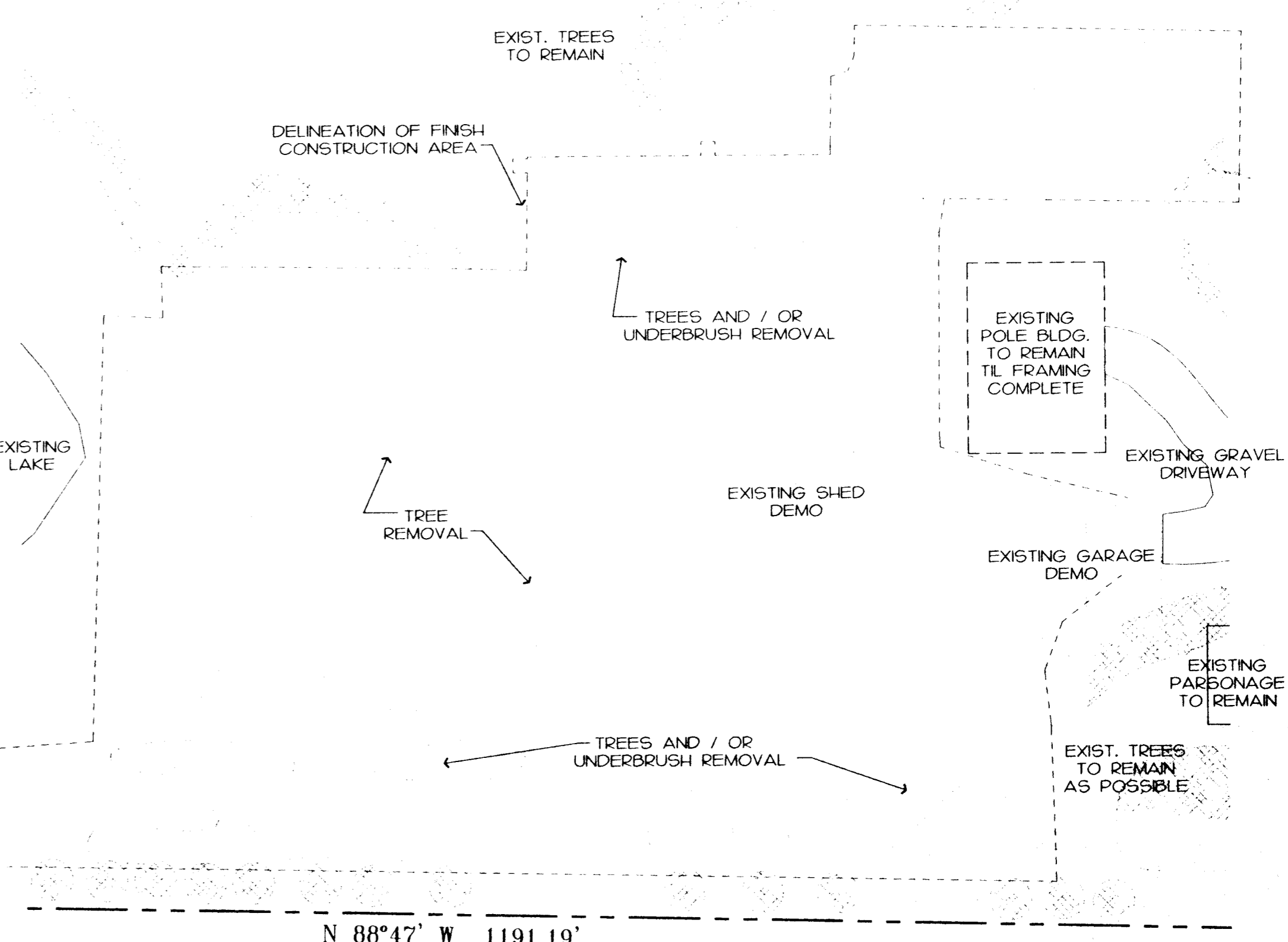
NOTE:
PRACTICES NOTATED THIS SHEET REFERENCE THE INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS LATEST VERSION.

LEGAL DESCRIPTION
A PART OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 10 WEST, CENTER TOWNSHIP, VANDERBURGH COUNTY, INDIANA.

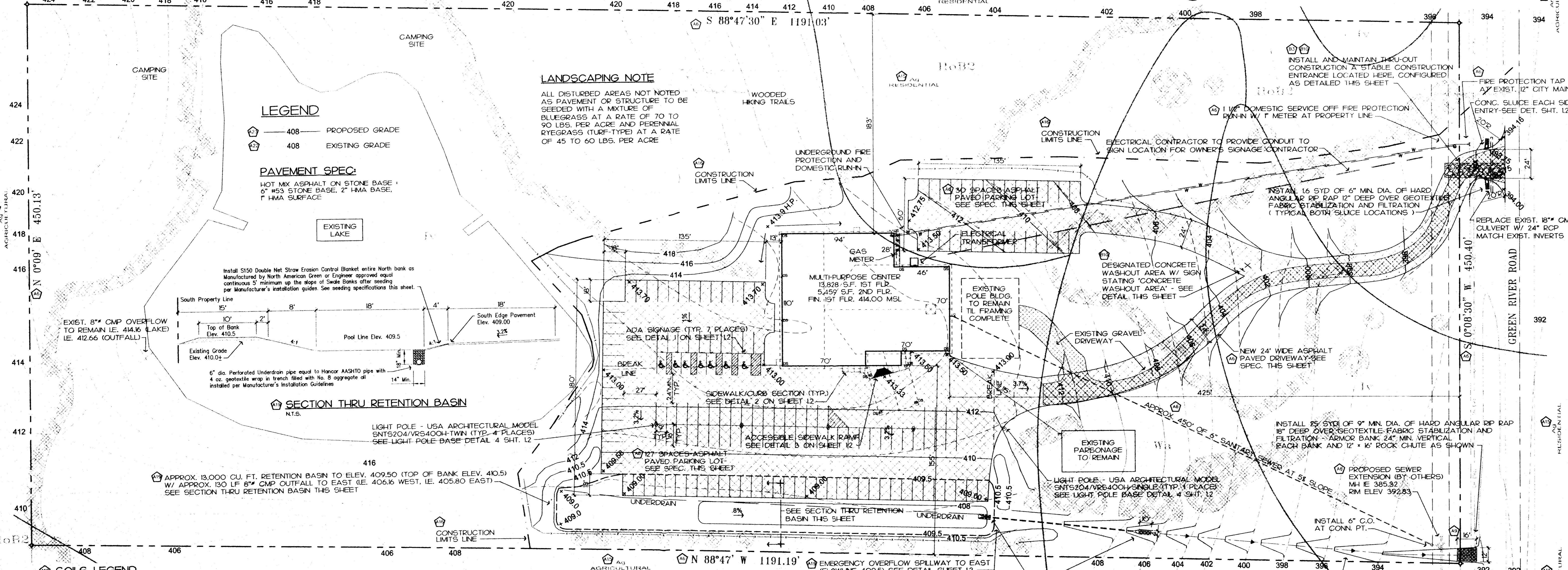
PEAK STORMWATER DISCHARGE
(10 YEAR STORM EVENT)
PRE CONSTRUCTION 12.8 CFS
POST CONSTRUCTION 10.1 CFS



VICINITY MAP
N.T.S.



SITE DEMOLITION PLAN
1" = 40'



SOILS LEGEND

SOL SERIES	FAMILY	SUBGROUP	ORDER	LIMITATIONS
HOSMER SILT LOAM, 0 TO 2% SLOPES, ERODED	FINE-SILT, MIXED, MESC	TYPIC FRAGULFBS	ALFISOLS	SLIGHT LIMITATION FOR USE AND MANAGEMENT
NA SILT LOAM, 0 TO 2% SLOPES	FINE-SILT, MIXED, MESC	AERIC OCHRAQUALFS	ALFISOLS	MODERATE LIMITATIONS FOR USE AND MANAGEMENT
WAKELAND SILT LOAM, 0 TO 2% SLOPES	COURSE-SILT, MIXED, NONACD, MESC	AERIC FLUVAQUENTS	ENTISOLS	WETNESS IS A MAJOR LIMITATION FOR USE AND MANAGEMENT

SITE DEVELOPMENT PLAN
1" = 40'

NOTE:
ALL EROSION CONTROL MEASURES SHALL REMAIN IN EFFECT UNTIL FINAL STABILIZATION OF THE PROJECT SITE IS ACHIEVED.

DESIGN & ENGINEERING, INC.
P.O. Box 8124
EVANSVILLE, INDIANA 47716
PHONE: 812-473-5800

THIS DRAWING IN ITS ENTIRETY IS THE EXPLICIT PROPERTY OF LANDMARK DESIGN AND ENGINEERING, INC. ANY REPRODUCTION, WHETHER PARTIAL OR FULL, SHALL NOT BE MADE WITHOUT EXPRESS WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF LANDMARK DESIGN & ENGINEERING, INC. ANY DEVIATION IN WORD OR OMISSION FROM LATEST CODE REQUIREMENTS IS NOT INTENTIONAL AND SHALL NOT ALLEVIATE CONTRACTOR'S RESPONSIBILITY TO UPHOLD SAID REQUIREMENTS. THIS PLAN IS NOT A PART OF ANY CONTRACT UNLESS SPECIFICALLY NOTED IN SAID CONTRACT.

NO.	DESCRIPTION
1	4.8.06 SLICES

NO.	DESCRIPTION
1	4.8.06 SLICES

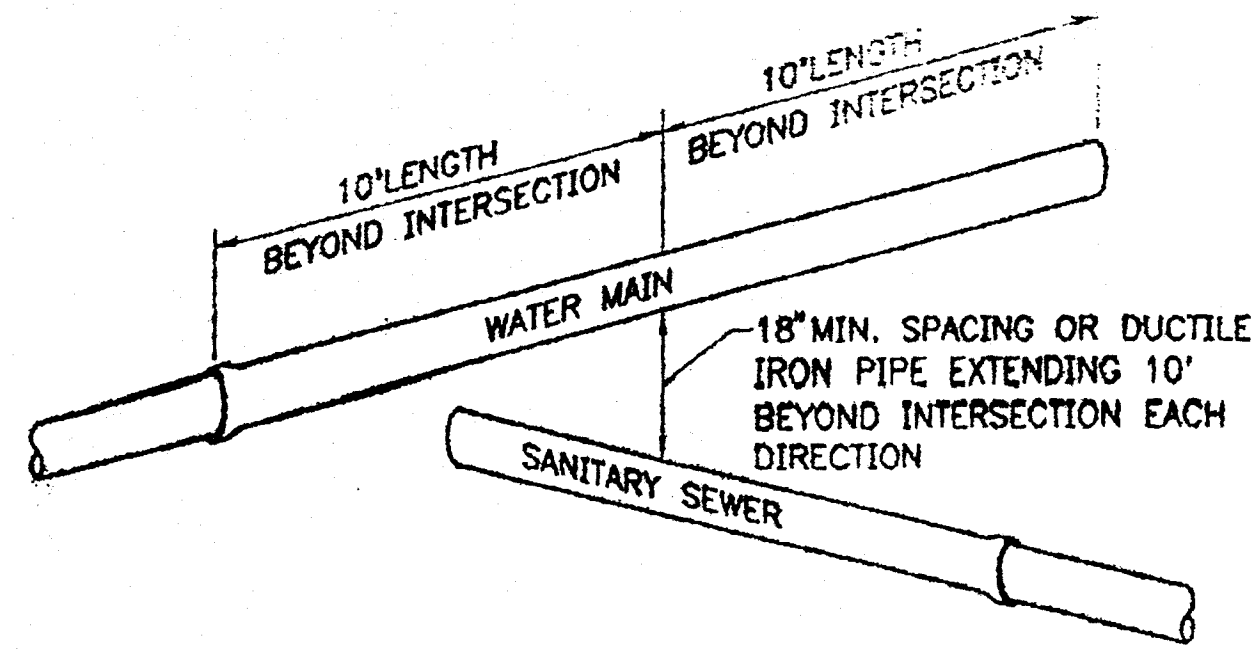
PROPOSED MULTI-PURPOSE FACILITY for
NORTHWOOD CHURCH
9920 N. GREEN RIVER ROAD
EVANSVILLE, INDIANA

DAVID W. STALLINS
REGISTERED PROFESSIONAL ENGINEER
No. 19441
STATE OF INDIANA
3/1/06

DRAWN BY	DATE
DET	3-8-06
DRAWING NUMBER	

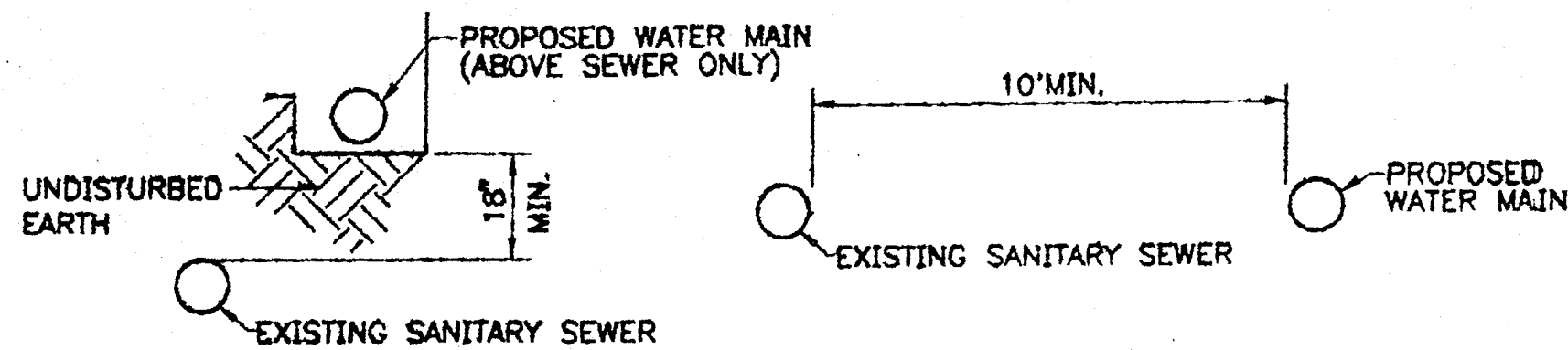
11

RECEIVED BY THE VANDERBURGH COUNTY SURVEYOR'S OFFICE
4/10/06 10:56am



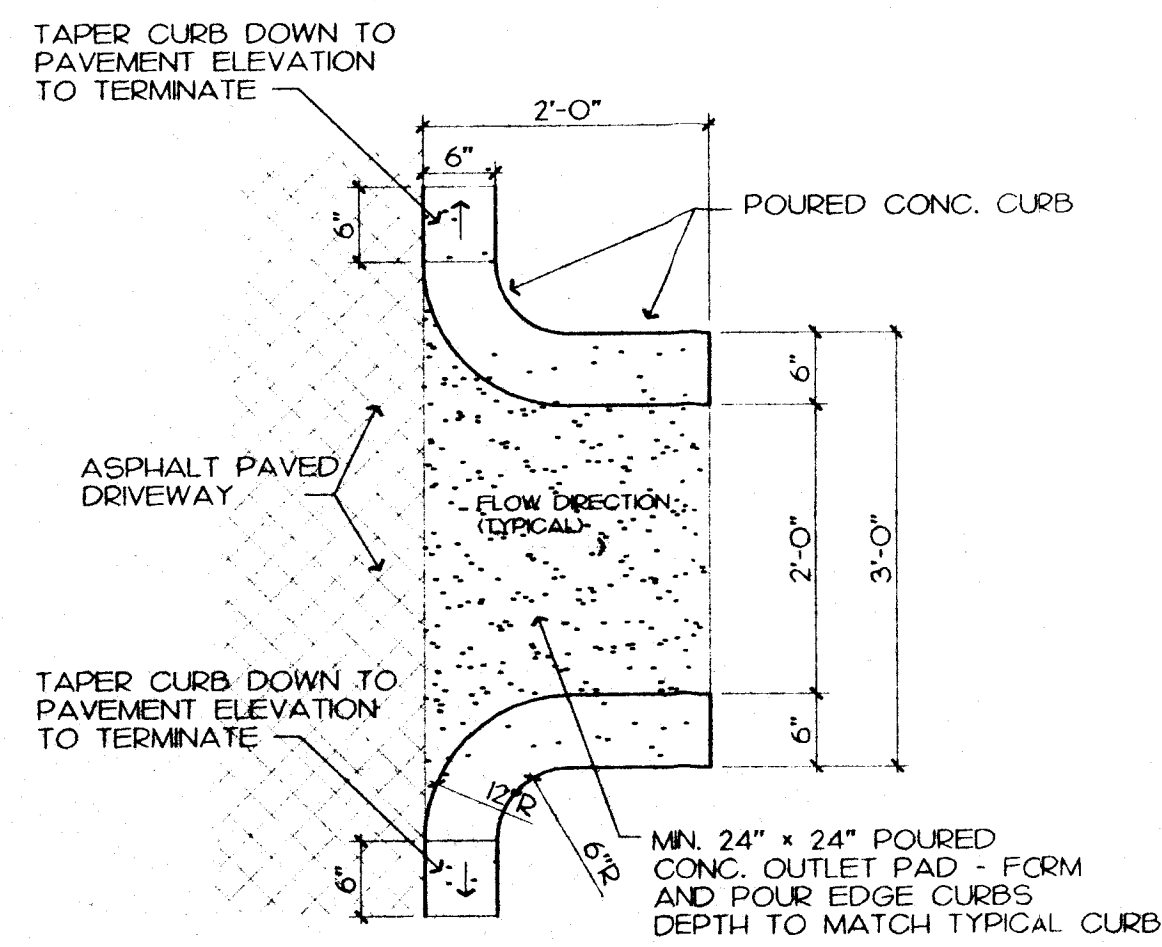
CROSSING ARRANGED SO THAT SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM WATER MAIN JOINTS

SANITARY SEWER / WATER LINE CROSSING DETAIL
N.T.S.

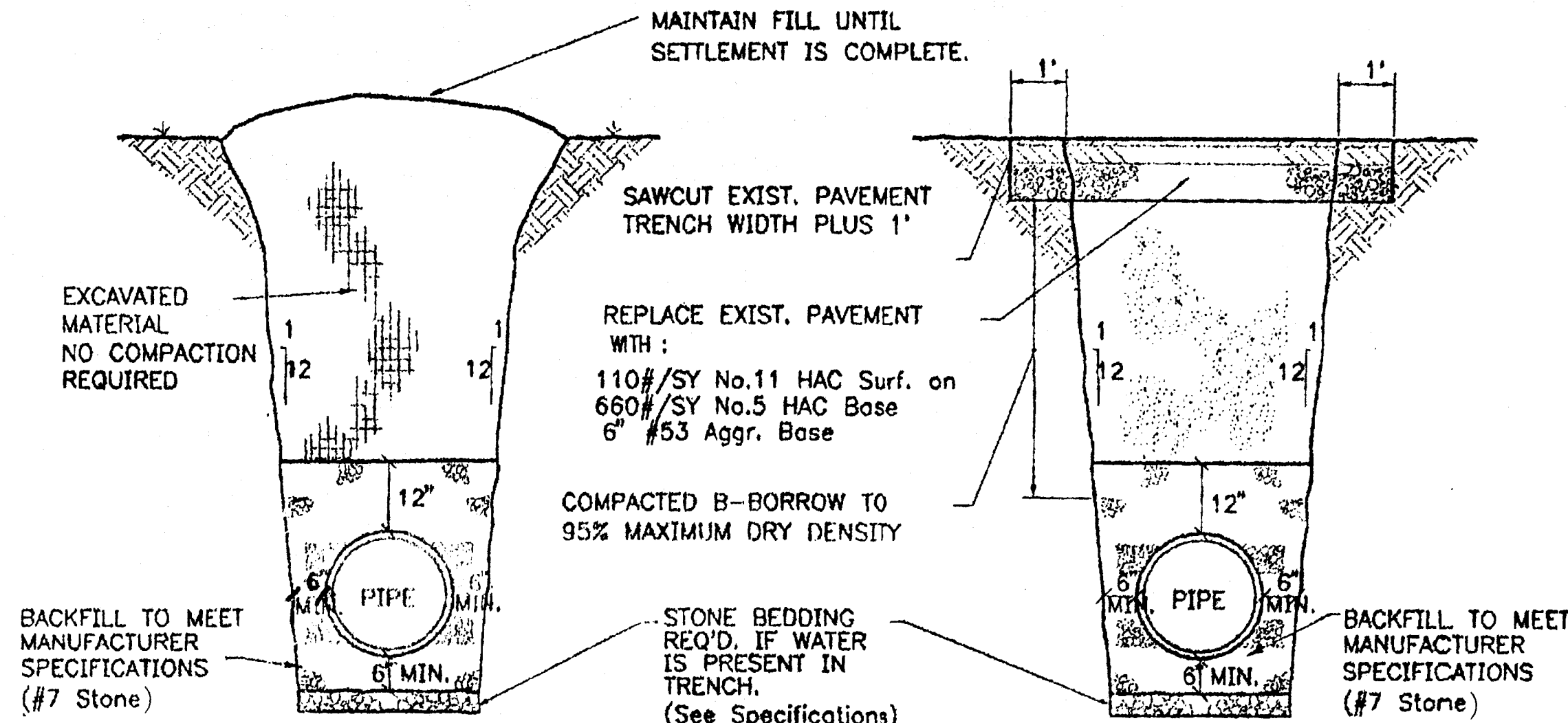


IF 10' MINIMUM HORIZONTAL SPACING CANNOT BE MAINTAINED THE WATER LINE MUST SIT ON A SHELF OF UNDISTURBED EARTH A MINIMUM OF 18" VERTICAL DISTANCE FROM THE TOP OF THE SEWER PIPE

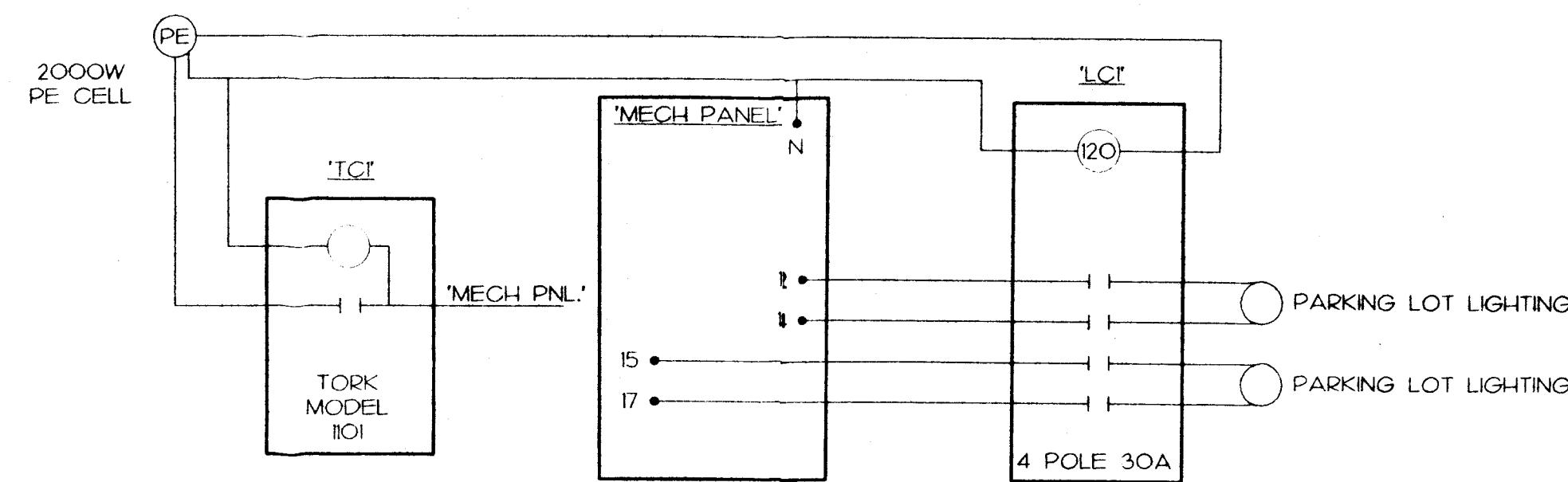
SANITARY SEWER / WATER LINE PARALLEL DETAIL
N.T.S.



CONCRETE SLICE DETAIL
N.T.S.

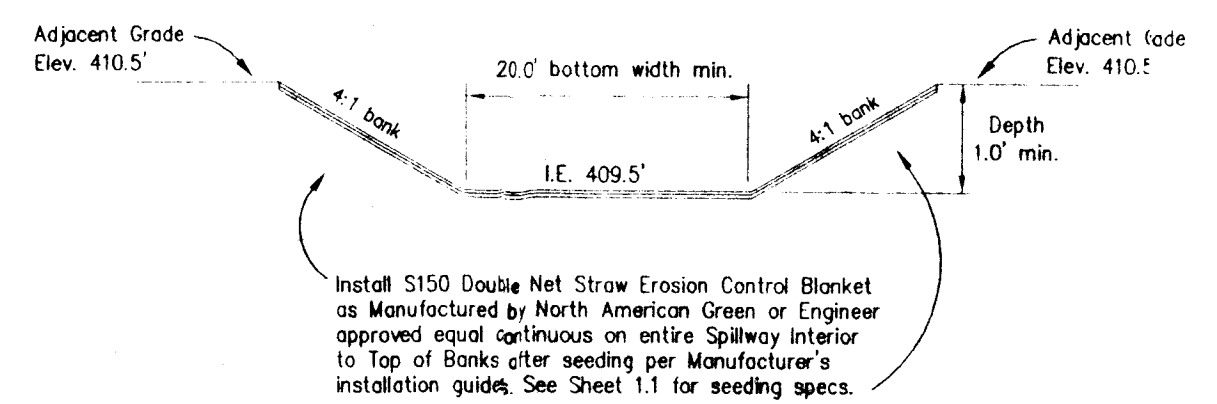


SANITARY SEWER TRENCH / PIPE BEDDING DETAIL
N.T.S.

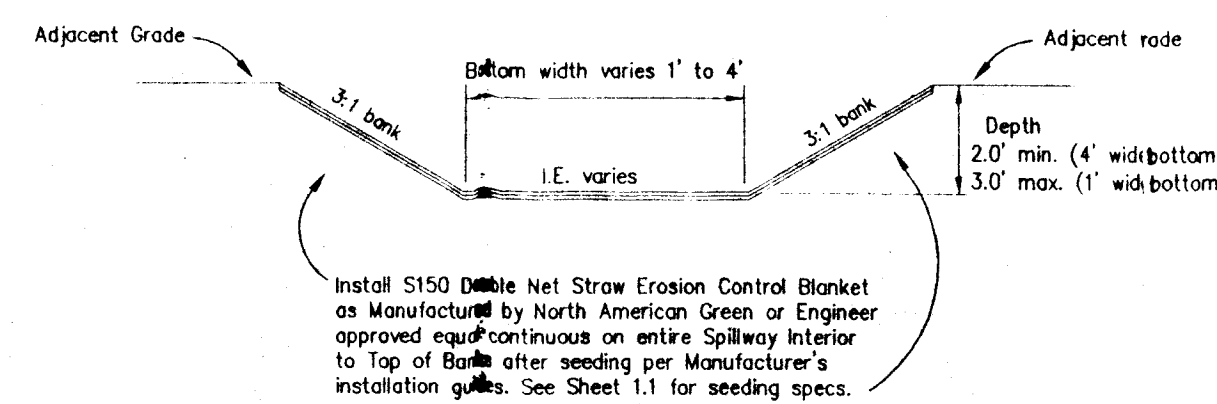


LIGHTING CONTACTOR DIAGRAM
N.T.S.

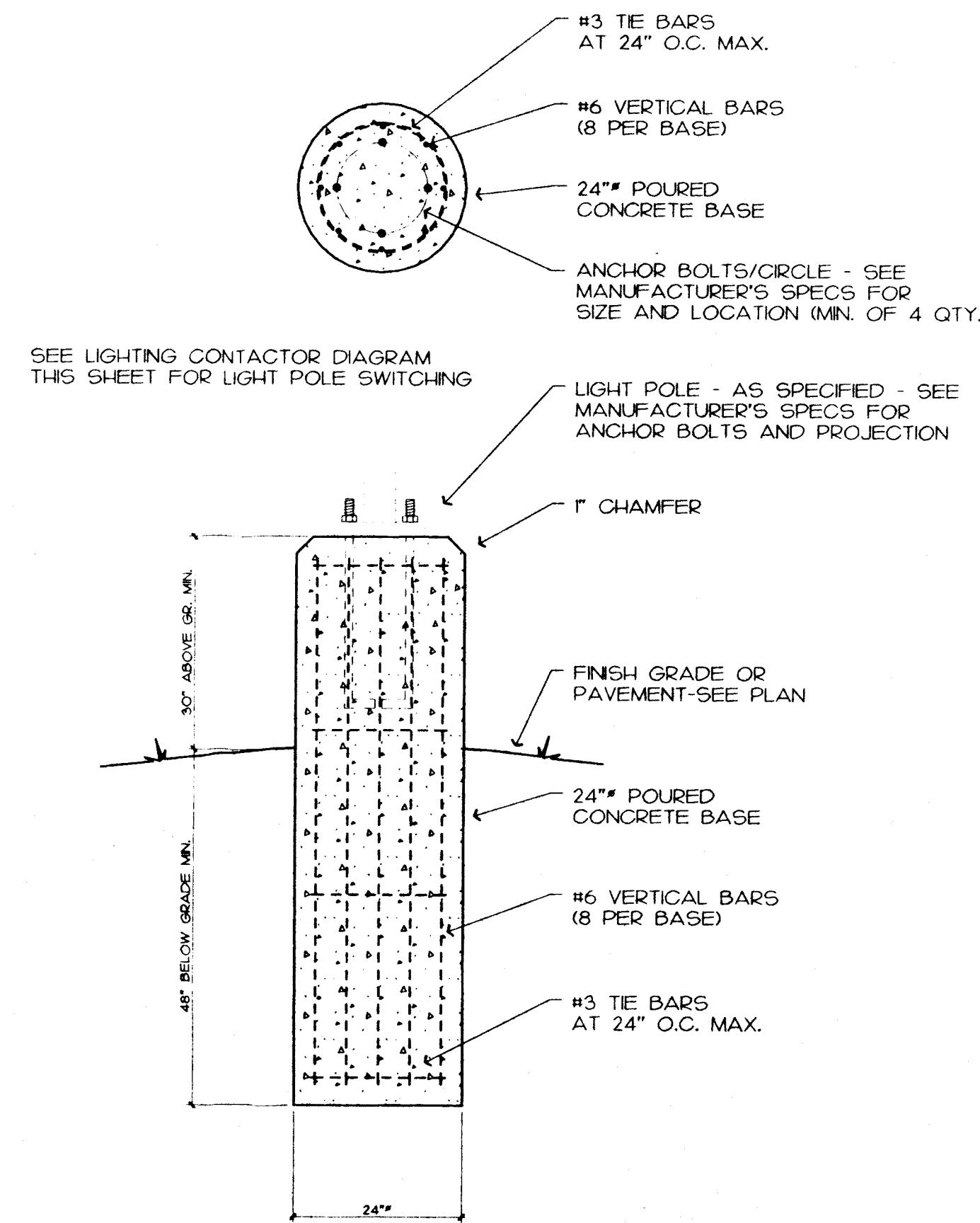
LIGHTING CONTACTOR SWITCHES TO BE LOCATED BY OWNER



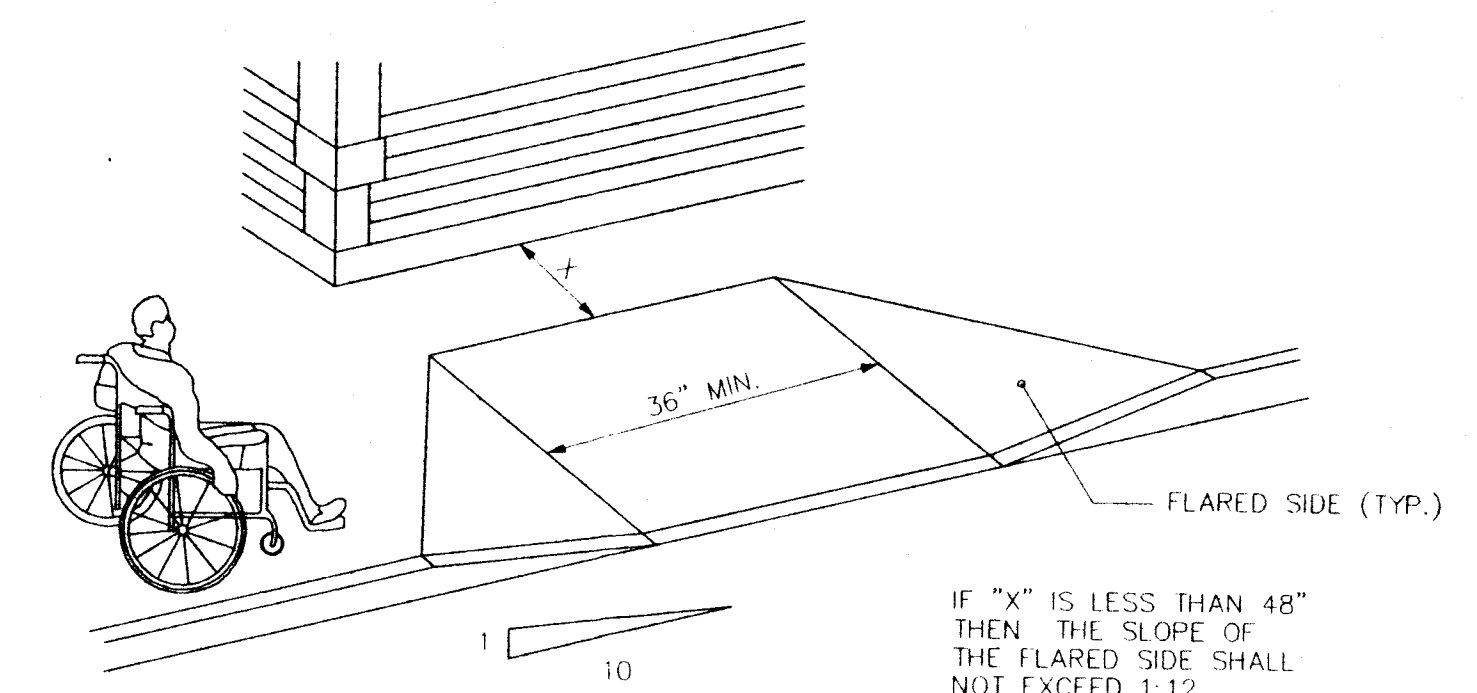
SECTION THRU EMERGENCY OVERFLOW SPILLWAY
N.T.S.



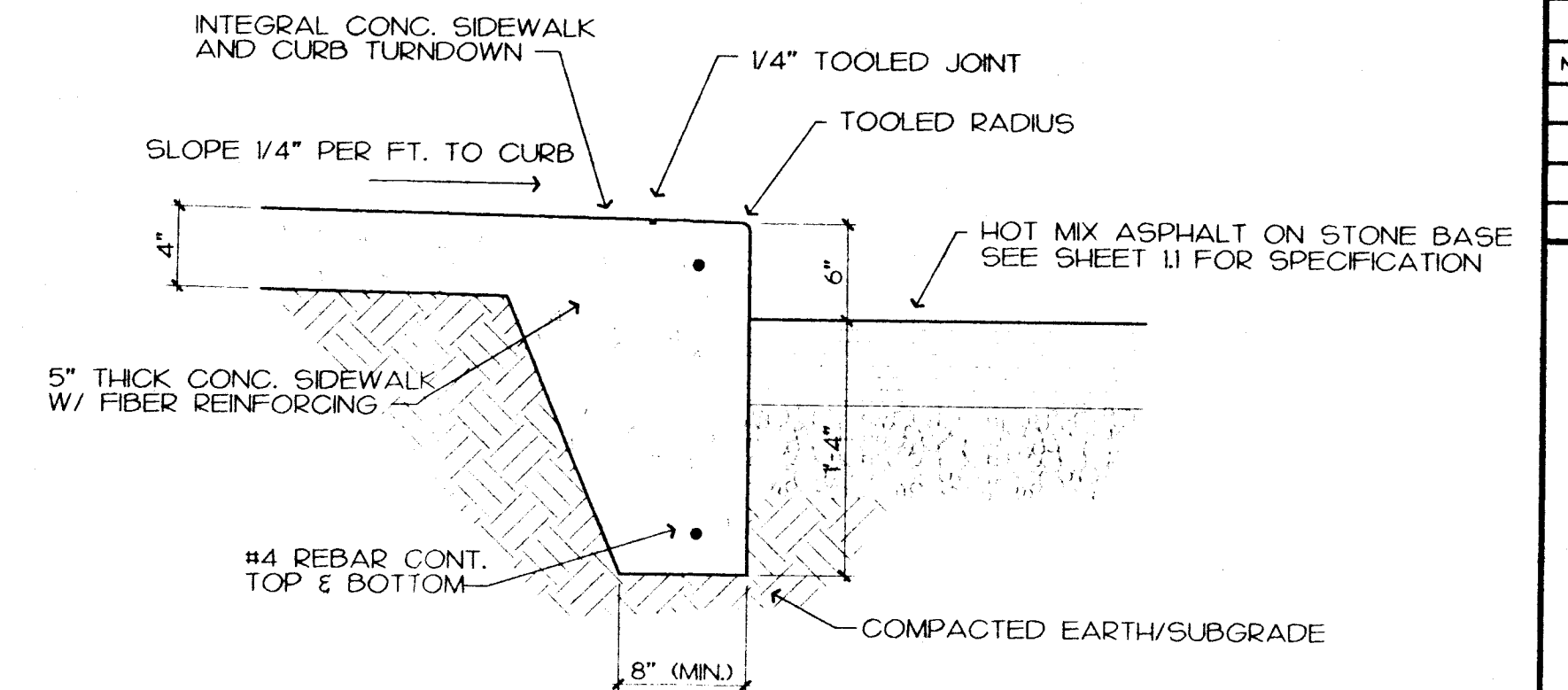
SECTION THRU BASIN RELEASE SWALE
N.T.S.



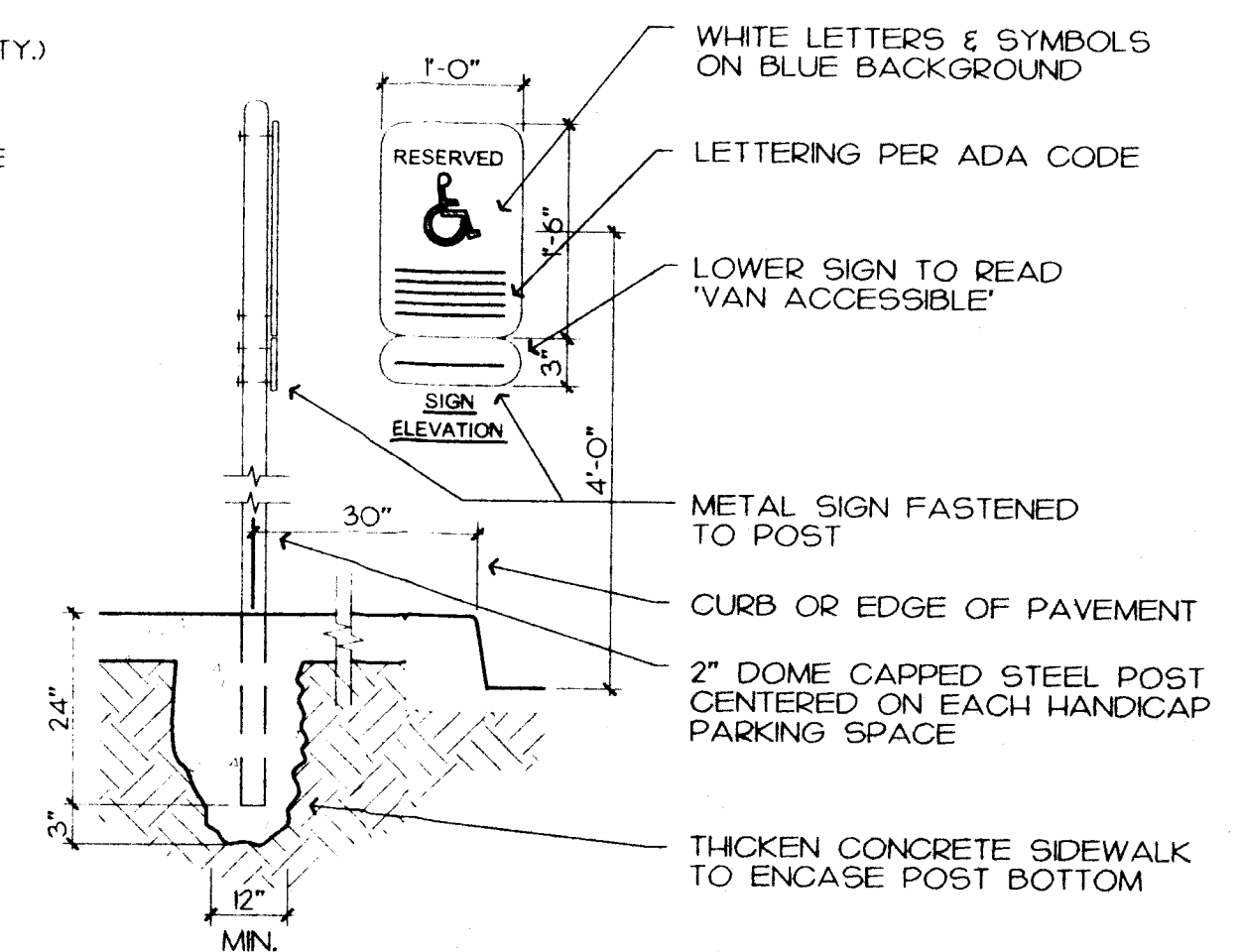
4 LIGHT POLE BASE
N.T.S.



3 ACCESSIBLE SIDEWALK RAMP
N.T.S.



2 SIDEWALK/CURB SECTION
3/4" - 1'-0"



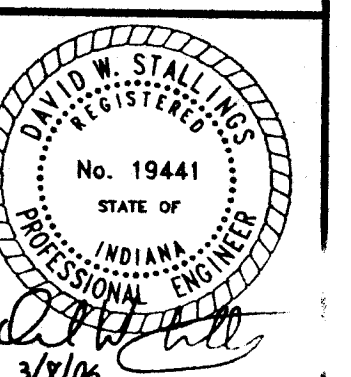
1 SIGN AT ADA PARKING
3/4" - 1'-0"

LANDMARK
DESIGN & ENGINEERING, INC.
P.O. Box 8124
EVANSVILLE, INDIANA 47716
PHONE: 812-473-5800

THIS DRAWING IN ITS ENTIRETY IS THE EXPLICIT PROPERTY OF LANDMARK DESIGN AND ENGINEERING, INC. ANY REPRODUCTION WITHOUT EXPRESS WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF LANDMARK DESIGN & ENGINEERING, INC. IS PROHIBITED. ANY DEVIATION IN WORD OR QUESTION FROM LATEST CODE REQUIREMENTS IS NOT INTENTIONAL AND SHALL NOT ALLEVIATE CONTRACTOR'S RESPONSIBILITY TO UPHOLD S&M REQUIREMENTS. THIS PLAN IS NOT A PART OF ANY CONTRACT UNLESS SPECIFICALLY NOTED IN S&M CONTRACT.

REVISIONS	
NO.	DESCRIPTION
1	4-8-06 SLICES

PROPOSED MULTI-PURPOSE FACILITY for
NORTHWOODS CHURCH
9920 N. GREEN RIVER ROAD
EVANSVILLE, INDIANA



DRAWN BY: DET
DATE: 3-8-06

DRAWING NUMBER: 1.2

SITE DETAILS
SCALE AS NOTED

4/10/06