

KYB AMERICAS CORPORATION HEADQUARTERS INTEGRATION PROJECT

2625 NORTH MORTON ST.
FRANKLIN, INDIANA
MAY 17, 2012

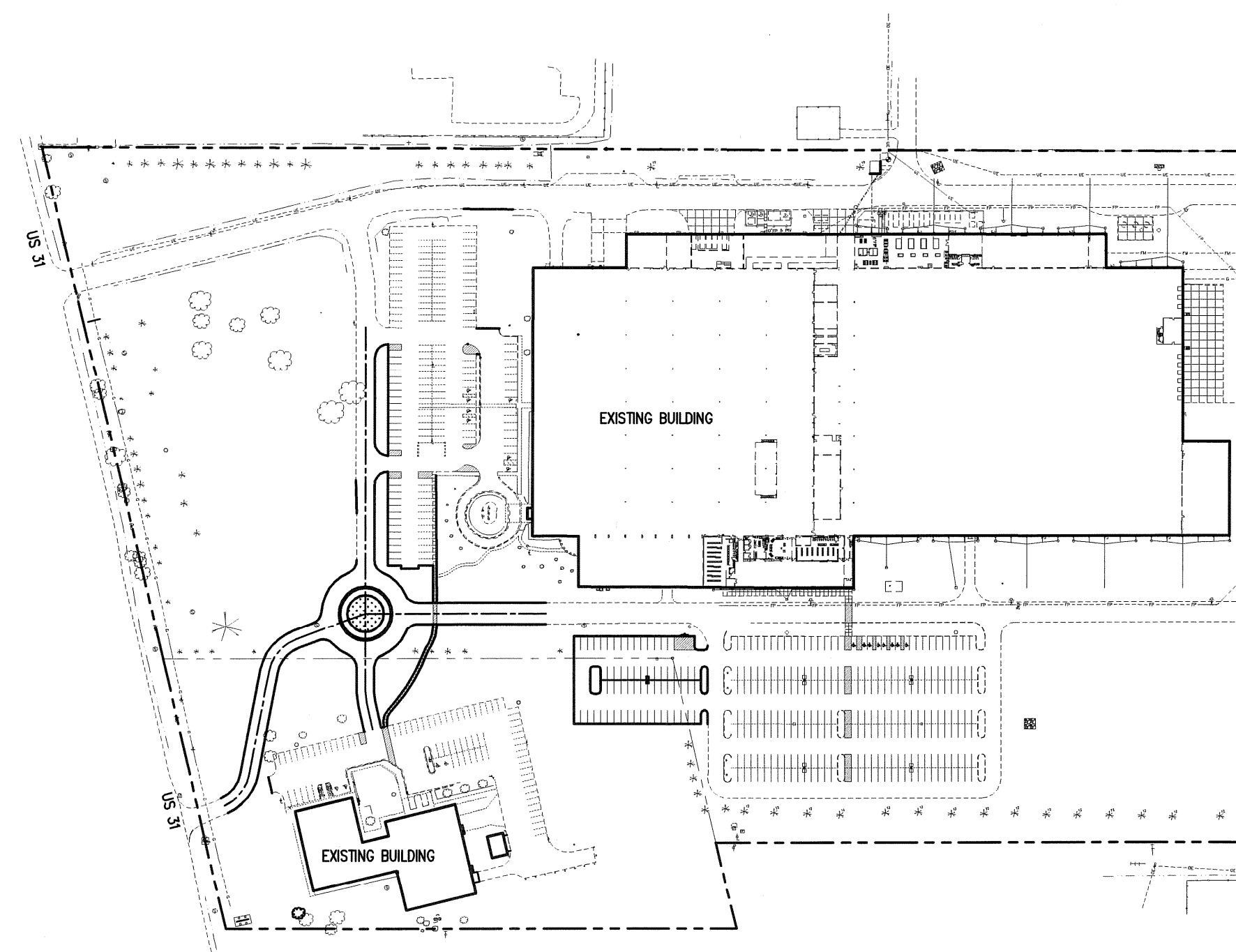
TAKENAKA CORPORATION (U.S.A)

56 SOUTH PARK BOULEVARD, GREENWOOD, INDIANA 46143
PHONE: 317-736-7774

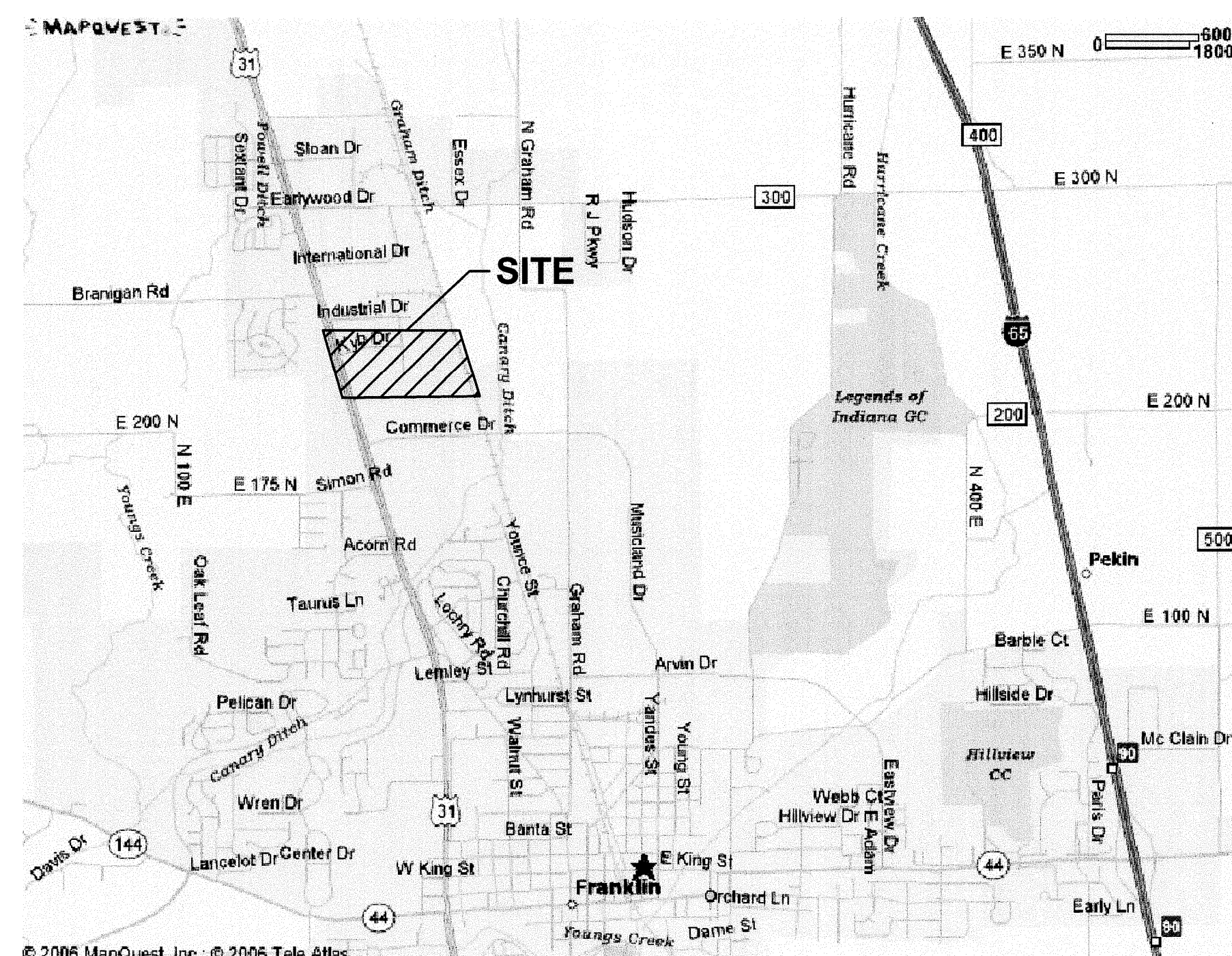


**7635 Interactive Way
Suite 100
Indianapolis, IN 46278
317.299.7500
FAX: 317.291.5805**

SITE PLAN



VICINITY MAP

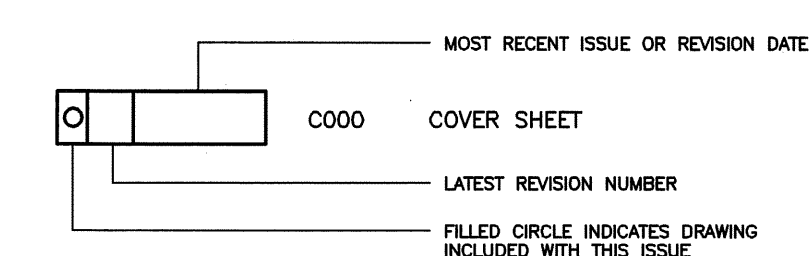


SHEET INDEX

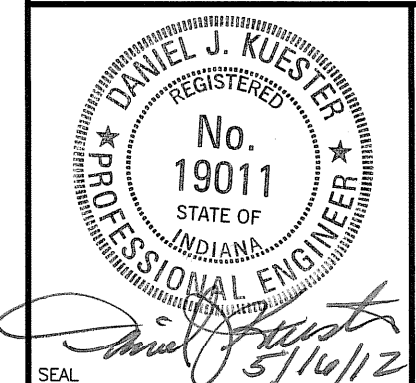
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C000.....	COVER SHEET
C100.....	EXISTING CONDITIONS & DEMOLITION PLAN
C200.....	SITE PLAN
C300.....	GRADING PLAN
C400.....	EROSION CONTROL PLAN
C401.....	EROSION CONTROL NOTES
C500.....	LANDSCAPE PLAN
C600.....	DETAILS
C601.....	DETAILS
C700.....	OVERALL SITE PLAN

DRAWING INDEX LEGEND

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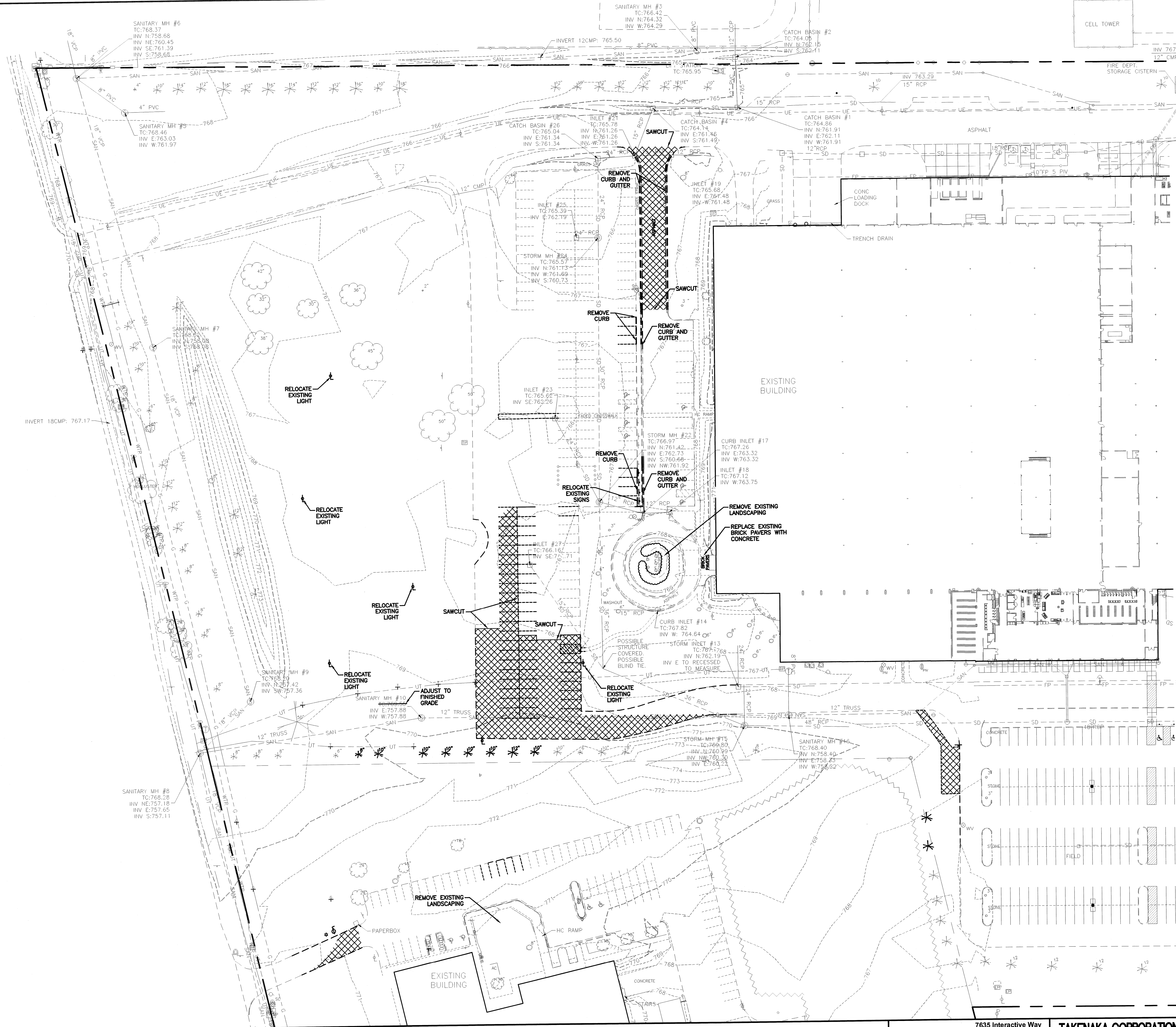
PROJECT No.: 72416



C000

out Tab Name: C100, Images: aerial.JPG, Xrefs: 72416-TBLK.dwg, 72416-x.dwg, 72416-p.dwg
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KYB
FRANKLIN, IN



DEMOLITION NOTES

- EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PRESENCE AND LOCATION OF THE EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE TO THE UTILITIES DURING PROBING OR CONSTRUCTION. TO OBTAIN FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES, CALL INDIANA UNDERGROUND CABLE LOCATION 1-800-382-5544.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE RELOCATION OF UTILITIES ON SITE OR CROSSING THE SITE TO SERVICE ADJACENT PROPERTIES. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY OWNER OR OTHERS, DURING OCCUPIED HOURS, EXCEPT WHEN PERMITTED BY OTHERS.
- DEMOLISH AND COMPLETELY REMOVE FROM SITE, EXISTING UNDERGROUND UTILITIES INDICATED TO BE REMOVED. COORDINATE WITH UTILITY COMPANIES FOR SHUT-OFF OF SERVICES, IF LINES ARE ACTIVE.
- ALL COSTS INCURRED IN COORDINATION OF ALL NEW UTILITY SERVICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- EXISTING PAVEMENT AND CONCRETE PAVEMENTS ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- REMOVAL OF EXISTING CONCRETE AND ASPHALT PAVEMENT INDICATED ON PLANS SHALL INCLUDE ALL AGGREGATE BASE AND SUBGRADE MATERIALS. SAWCUT ALL EXISTING PAVED AREAS. ALL CUTS SHALL BE CLEAN, NEAT AND TRUE TO LINE. REMOVE ALL NON-ORGANIC OR TOXIC MATTER THAT WOULD INTERFERE WITH PROPOSED PLANT MATERIAL.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, GRAVEL, AND ANY OTHER MATERIALS TRACKED ONTO ANY PUBLIC OR PRIVATE STREETS OR SIDEWALKS. THE CONTRACTOR MUST USE WATER OR OTHER METHODS TO KEEP AIRBORNE DUST TO A REQUIRED MINIMUM.
- THE USE OF EXPLOSIVES IS PROHIBITED.
- ALL EXCAVATION FOR UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES.
- ROAD, ROAD SHOULDERS, ROAD PAVEMENT, PARKING PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, DITCHES, DRAINAGE PIPES AND STRUCTURES, FENCES, LAWNS, TREES, BUSHES, MAILBOXES, STREET AND PUBLIC SIGNS, ADVERTISEMENT SIGNS, ETC., DAMAGED DURING CONSTRUCTION SHALL BE RESTORED, RECONSTRUCTED, REPLACED, OR PROTECTED BY THE CONTRACTOR AT HIS EXPENSE. ALL DAMAGES TO EXISTING IMPROVEMENTS, EXCAVATION, AND/OR REMOVAL OF ANY AND ALL EXISTING IMPROVEMENTS SHALL BE KEPT TO A MINIMUM AND RESTORED OR REPLACED TO AT LEAST THEIR ORIGINAL CONDITION.
- ALL UNDERGROUND UTILITIES OR STRUCTURES IN PROPOSED PAVEMENT, EMBARKMENT, OR BUILDING AREAS REQUIRING REMOVAL SHALL BE REMOVED AND BACKFILLED COMPLETELY WITH APPROVED ENGINEERED GRANULAR MATERIAL SUITABLE TO THE A/E.
- ALL WELLS ENCOUNTERED ON THE SITE ARE TO BE ABANDONED PER FEDERAL, STATE OF INDIANA, AND LOCAL AGENCY REQUIREMENTS.

LEGAL DESCRIPTION

A PART OF THE SOUTHEAST QUARTER OF SECTION 3 AND A PART OF THE SOUTHWEST QUARTER OF SECTION 2, ALL LOCATED IN TOWNSHIP 12 NORTH, RANGE 4 EAST OF THE SECOND PRINCIPAL MERIDIAN IN JOHNSON COUNTY, INDIANA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF THE SOUTHEAST QUARTER OF SAID SECTION 3; THENCE NORTH 02 DEGREES 41 MINUTES 55 SECONDS EAST 653.03 FEET ALONG THE EAST LINE OF SAID SOUTHEAST QUARTER TO THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS WEST 914.58 FEET; THENCE NORTH 13 DEGREES 30 MINUTES 00 SECONDS WEST 276.63 FEET; THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS WEST 782.00 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY 31; THENCE CONTINUING NORTH 90 DEGREES 00 MINUTES 00 SECONDS WEST 51.76 FEET; THENCE NORTH 13 DEGREES 30 MINUTES 00 SECONDS WEST 782.92 FEET; THENCE SOUTH 89 DEGREES 43 MINUTES 06 SECONDS EAST 51.80 FEET TO A POINT ON SAID EASTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY 31; THENCE CONTINUING SOUTH 89 DEGREES 43 MINUTES 06 SECONDS EAST 1,972.01 FEET TO A POINT ON THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 2; THENCE SOUTH 89 DEGREES 48 MINUTES 51 SECONDS EAST 450.65 FEET; THENCE SOUTH 13 DEGREES 31 MINUTES 07 SECONDS EAST 844.03 FEET; THENCE SOUTH 60 DEGREES 09 MINUTES 30 SECONDS WEST 398.47 FEET; THENCE SOUTH 89 DEGREES 58 MINUTES 30 SECONDS WEST 350.42 FEET TO THE POINT OF BEGINNING AND CONTAINING 52.207 ACRES, MORE OR LESS.

THE BEARINGS IN THIS DESCRIPTION ARE BASED ON THE EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 3, TOWNSHIP 12 NORTH, RANGE 4 EAST HAVING A BEARING OF NORTH 02 DEGREES 41 MINUTES 55 SECONDS EAST.

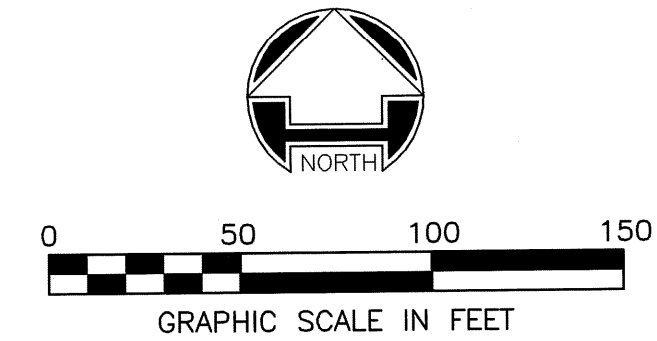
NOTES

- THIS TRACT IS LOCATED WITHIN FRANKLIN TOWNSHIP, JOHNSON COUNTY, INDIANA

BENCHMARKS

TBM #1: CUT SQUARE ON SE CORNER CONCRETE PAD FOR FIRE DEPARTMENT STORAGE CISTERN. LOCATED APPROXIMATELY 130 FEET NE OF NE CORNER OF EXISTING KYB BUILDING. ELEV. = 769.70

LEGEND	
	CATCH BASIN
	STORM MANHOLE
	SANITARY MANHOLE
	FIRE HYDRANT
	WATER VALVE
	LIGHT POLE
	TRANSFORMER
	FOUND IRON PIN/REBAR
	SET SOLID IRON PIN/REBAR
	FOUND/SET CROSS/"X"
	TELEPHONE PEDESTAL
	DRAINAGE FLOW DIRECTION
	SIGN
	SOIL BORING
	GAS LINE
	SANITARY SEWER
	STORM DRAIN
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND TELEPHONE LINE
	WATER LINE
	PAVEMENT REMOVAL



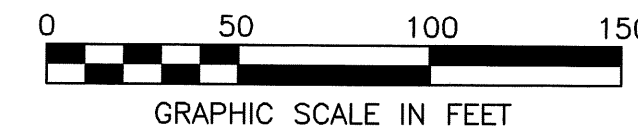
NO.		DATE	REVISION
DRAWING TITLE			EXISTING CONDITIONS/DEMOLITION PLAN
PROJECT NO.	72416	SCALE	1"=50'
DRAWN	RMM	DATE	05/17/24
DRAWING NO.			C100

WOOLPERT
DESIGN | CONSULTING | INFRASTRUCTURE

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TAKENAKA CORPORATION (USA)
56 SOUTH PARK BLVD, GREENWOOD, IN 46143, 317-881-1610 FAX: 317-881-4501
757 THIRD AVENUE, NEW YORK, N.Y. 1007

REGISTERED
No. 19011
STATE OF INDIANA
PROFESSIONAL ENGINEER
Daniel J. Kues
5/16/24



EXISTING		PROPOSED
	CONTOUR LINE	
	SPOT ELEVATION	
	MATCH EXISTING GRADE	
	STORM CURB INLET	
	STORM INLET	
	CONCRETE END SECTION	
	STORM MANHOLE	
	SANITARY MANHOLE	
	SANITARY CLEANOUT	
	STORM STRUCTURE NUMBER	
	SANITARY STRUCTURE NUMBER	
	STORM SEWER	
	SANITARY SEWER	
	FIRE HYDRANT	
	POST INDICATOR VALVE	
	WATER METER PIT	
	WATER VALVE	
	GAS	
	GAS METER	
	GAS UTILITY MARKER	
	UNDERGROUND ELECTRIC	
	ELECTRIC UTILITY MARKER	
	TRANSFORMER	
	TELEPHONE PEDESTAL	
	HANDHOLE	
	PULLBOX	
	LIGHT POLE	
	POWER POLE	
	GUY WIRE	
	DISABLED PARKING SIGN	
	SIGN	
	DITCH	
	CHAIN LINK FENCE	
	GUARDRAIL	
	TREE	

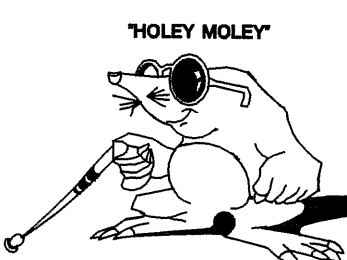
1. PROVIDE POSITIVE DRAINAGE IN ALL AREAS. PAVING CONTRACTOR SHALL TEST FOR ANY PONDING CONDITIONS AFTER INSTALLATION AND CORRECT.
2. PROVIDE SMOOTH TRANSITION FROM NEW AREAS TO EXISTING FEATURES AS NECESSARY.
3. ALL AREAS WHERE PROPOSED ASPHALT PAVEMENT MEETS THE EXISTING PAVEMENT THE EXISTING PAVEMENT EDGE SHALL BE PROPERLY SEALED WITH A TACK COAT MATERIAL.
4. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHILE EXCAVATING AROUND EXISTING TREES SO NOT TO DISTURB AND TO MINIMIZE OR ELIMINATE DAMAGE TO ROOT SYSTEM.
5. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER READING REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES SO NOT TO CAUSE DAMAGE.
6. THE EXCAVATING CONTRACTOR OR LANDSCAPING CONTRACTOR SHALL INSTALL THE FINISH GRADE AT 1/2" BELOW PAVEMENTS WHEN SHEET DRAINAGE IS PROPOSED ACROSS THAT SEEDED AREA.
7. ALL AREAS WHERE THE EXISTING PAVEMENT OR PAVEMENTS ARE DAMAGED DURING CONSTRUCTION FROM TRAFFIC BY THE GENERAL CONTRACTOR, SUBCONTRACTORS OR SUPPLIERS, SHALL BE RESURFACED TO THE ORIGINAL CONSTRUCTED GRADE BY THEIR ORIGINAL CONDITION AFTER THE CONSTRUCTION WORK IS COMPLETED.
8. T.C. SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER A STRUCTURE WHEN STRUCTURE IS NOT A CURB INLET. T.C. SHALL INDICATE TOP OF CURB WHEN STRUCTURE IS A CURB INLET.

1. ALL SUB-SURFACE DRAIN (SSD) SHALL BE 6" PERFORATED HIGH DENSITY POLYETHYLENE PIPE (HDPE).

STRUCTURE DATA TABLE		
STRUCTURE NO.	STRUCTURE TYPE	CASTING TYPE*
1.1	48" TYPE 'C' M.H.	R-1772
1.2	INLET TYPE 'A'	R-3402-E
2.1	INLET TYPE 'A'	R-4346

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ELEV. = 769.70

**DON'T
DIG
BLIND**



1-800-382-5544
CALL TOLL FREE

NO.	DATE	REVISION		
DRAWING TITLE			GRADING AND UTILITY PLAN <i>5/16/12</i>	
PROJECT NO.	72416	SCALE		1" = 50'
DRAWN	RMM	DATE		05/17/24
			DRAWING NO. C300	

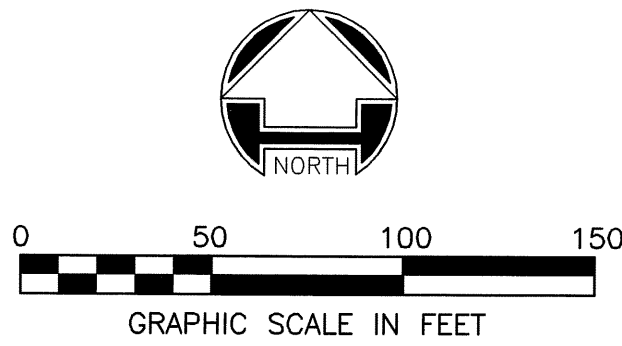
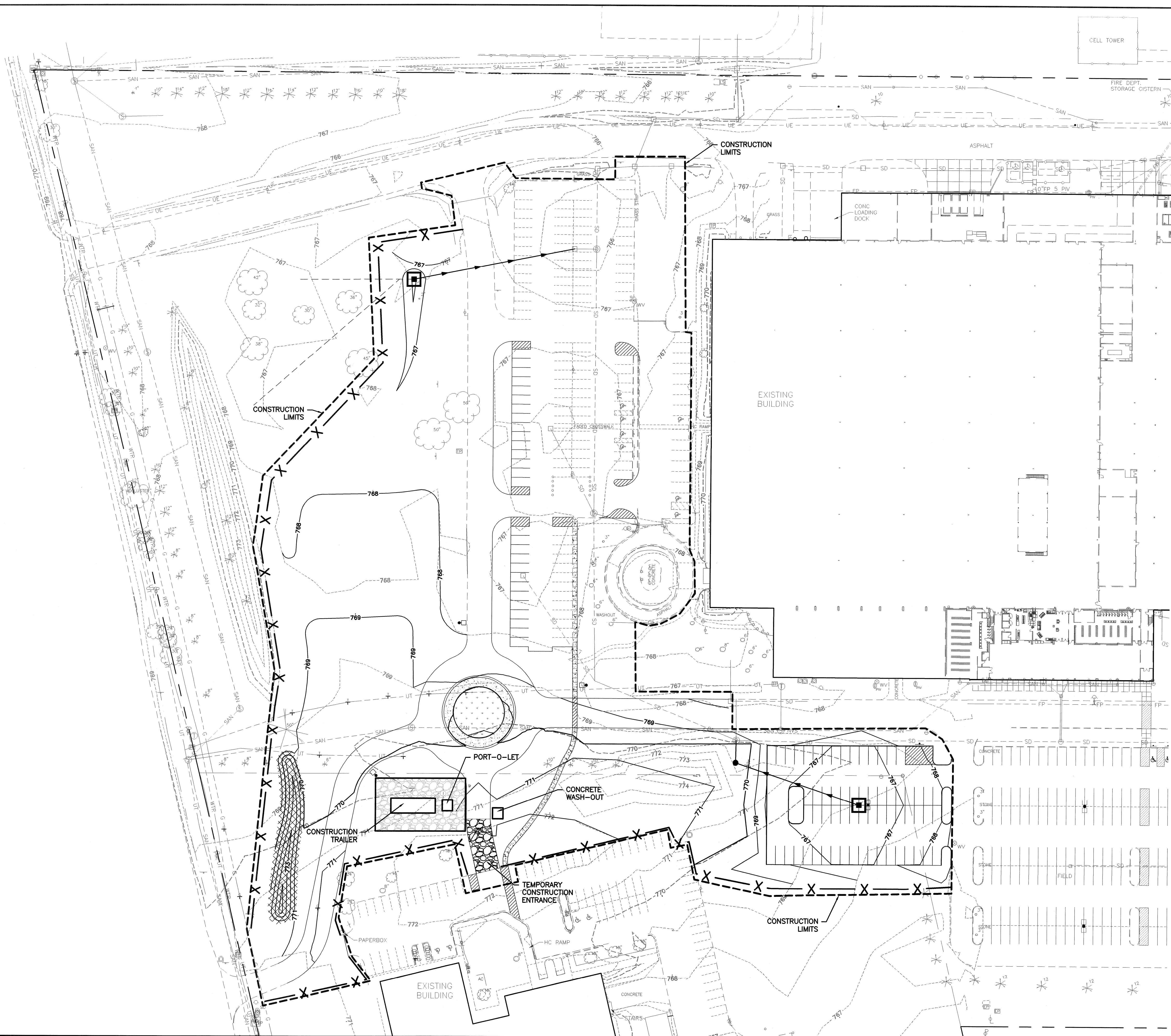
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757 THIRD AVENUE, NEW YORK, N.Y. 10017

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KYB
FRANKLIN, IN



LEGEND	
CONSTRUCTION LIMITS	---
SILT FENCE	-X-X-
INLET PROTECTION	□
EROSION CONTROL BLANKET	▨

ALL AREAS THAT ARE LEFT UNDISTURBED FOR 15 DAYS SHALL RECEIVE SEED AND MULCH.

DON'T DIG BLIND

1-800-382-6544
CALL TOLL FREE

NO.	DATE	REVISION

DRAWING TITLE EROSION CONTROL PLAN 5/16/12
PROJECT NO. 72416
SCALE 1"=50'
DRAWN RMM
DATE 05/17/24
DRAWING NO. C400

7635 Interactive Way
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757 THIRD AVENUE, NEW YORK, N.Y. 10017

EROSION CONTROL NOTES

- A1 PLAN INDEX ITEMS RELATING TO THE SWPPP ARE INCLUDED ON THIS SHEET
- A2 AN 11x17 PLAT IS INCLUDED WITH THIS SUBMITTAL.
- A3 THIS PROJECT INVOLVES THE CONSTRUCTION OF NEW PARKING AREAS, SIDEWALKS, AND STORM DRAINAGE STRUCTURES.
- A4 THE VICINITY MAP IS LOCATED ON THE COVER SHEET.
- A5 LEGAL DESCRIPTION IS INCLUDED ON SHEET C1.
LATITUDE 39°30'41" N, LONGITUDE 86°03'57" W.
- A6 LOT BOUNDARIES ARE SHOWN ON THE PLAN.
- A7 HYDROLOGIC UNIT CODE: 05120204090030.
- A8 THERE ARE NO STATE OR FEDERAL WATER QUALITY PERMITS REQUIRED FOR THIS SITE.
- A9 MOST STORMWATER WILL LEAVE THE SITE VIA ONE EXISTING 48" RCP PIPE THAT OUTLETS INTO THE EXISTING DETENTION POND. A COMBINATION OF PIPES AND SWALES WILL DRAIN THE REMAINDER OF THE PROPOSED SITE INTO THE DETENTION POND.
- A10 THERE ARE NO KNOWN WETLANDS WITHIN THE CONSTRUCTION LIMITS.
- A11 THE ULTIMATE RECEIVING WATER IS CANARY CREEK.
- A12 THERE IS NO EVIDENCE OF ANY EXISTING STRUCTURES ON THIS PROPERTY OR IMMEDIATELY DOWNSTREAM THAT MAY POTENTIALLY DISCHARGE IN THE GROUNDWATER, ALTHOUGH STORMWATER MAY POTENTIALLY DISCHARGE INTO GROUNDWATER AT THE OUTLET OF THE DETENTION POND.
- A13 THE SITE DOES NOT LIE WITHIN THE 100-YEAR FLOODPLAIN.
- A14 PRE-CONSTRUCTION PEAK DISCHARGE: (2yr) 2.856CFS +/- (TOTAL SITE)
POST-CONSTRUCTION PEAK DISCHARGE: (10yr) 2.710CFS +/- (TOTAL SITE)

A15 ADJACENT LAND USES:
NORTH: BUSINESS PARK DEVELOPMENT
SOUTH: BUSINESS PARK DEVELOPMENT
EAST: AGRICULTURAL
WEST: COMMERCIAL

A16 CONSTRUCTION LIMITS ARE SHOWN IN THE PLAN VIEW.

A17 THE SITE IS CURRENTLY OCCUPIED BY AN EXISTING INDUSTRIAL BUILDING, PARKING LOT, STORM DRAINAGE SYSTEM AND DETENTION POND.

A18 SOILS INFORMATION:
Br-BROOKSTON SILTY CLAY LOAM, ("VERY LIMITED" SOILS THAT WILL REQUIRE UNDERDRAINS. SEE PLAN VIEW FOR LOCATIONS AND SPECIFICATIONS)
CrA-CROSBY SILT LOAM, 0% TO 2% SLOPES, ("VERY LIMITED" SOILS THAT WILL REQUIRE UNDERDRAINS. SEE PLAN VIEW FOR LOCATIONS AND SPECIFICATIONS)
MnB2-MIAMI SILT LOAM, 2% TO 6% SLOPES, ("SOMEWHAT LIMITED" SOILS. GRADING THE SOIL TO OVERCOME THE LIMITATIONS WERE CONSIDERED)
"SOMEWHAT LIMITED" INDICATES THAT THE SOIL HAS FEATURES THAT ARE MODERATELY FAVORABLE FOR THE SPECIFIED USE. THE LIMITATIONS CAN BE REMOVED OR MINIMIZED BY SPECIAL PLANNING, DESIGN, OR INSTALLATION. FAIR PERFORMANCE AND MODERATE MAINTENANCE CAN BE EXPECTED. "VERY LIMITED" INDICATES THAT THE SOIL HAS ONE OR MORE FEATURES THAT ARE UNFAVORABLE FOR THE SPECIFIED USE. THE LIMITATIONS GENERALLY CANNOT BE OVERCOME WITHOUT MAJOR SOIL RECLAMATION, SPECIAL DESIGN, OR EXPENSIVE INSTALLATION PROCEDURES. POOR PERFORMANCE AND HIGH MAINTENANCE CAN BE EXPECTED.

- A19 ALL PROPOSED STORMWATER SYSTEMS ARE SHOWN IN THE PLAN VIEW. DETAILED INFORMATION (I.E. INVERT ELEVATIONS) CAN BE FOUND ON THE UTILITY PLAN.
- A20 NO OFF SITE ACTIVITIES ARE ANTICIPATED.
- A21 THERE ARE NO SOIL STOCKPILES ONSITE.
- A22 EXISTING TOPOGRAPHY IS SHOWN IN THE PLAN VIEW.
- A23 PROPOSED CONTOURS ARE PROVIDED IN THE PLAN VIEW TO INDICATE DRAINAGE PATTERNS.

CONSTRUCTION COMPONENT

- B1 POTENTIAL POLLUTANT SOURCES DURING CONSTRUCTION ACTIVITIES INCLUDE CONCRETE WASTE WATER, TRASH, FOSSIL FUELS, OIL, GREASE, PAINT. EXPOSURE OF THESE POLLUTANTS TO STORMWATER RUNOFF SHOULD BE MINIMIZED BY PERFORMING ACTIVITIES SUCH AS EQUIPMENT STORAGE, REFUELING, MAINTENANCE AND PORT-A-LET PLACEMENT IN DESIGNATED AREAS AS SHOWN ON THIS SHEET.
- B2 A CONSTRUCTION SEQUENCE CAN BE FOUND ON THIS SHEET.
- B3- THE APPROPRIATE EROSION CONTROL MEASURES ARE SHOWN IN THE PLAN VIEW.
- B9 SEE THE DETAIL SHEETS FOR THE CONSTRUCTION SPECIFICATIONS OF EACH MEASURE.
- B10 THE DETENTION POND WILL PROVIDE FOR THE WATER QUALITY REQUIREMENT FOR THIS SITE..
- B11 SEE SEEDING SCHEDULE DETAIL, EROSION CONTROL BLANKET STAPLE PATTERN.
- B12 SEE EROSION CONTROL INSTALLATION AND SEEDING SCHEDULE DETAILS.

B13 MATERIAL HANDLING AND SPILL PREVENTION PLAN:
IN ORDER TO MINIMIZE THE RELEASE OF POTENTIAL POLLUTANTS DURING CONSTRUCTION THE CONTRACTOR SHALL IMPLEMENT THIS MATERIAL HANDLING AND SPILL PREVENTION PLAN. THE CONTRACTOR SHALL REVIEW THIS PLAN WITH ALL SUBCONTRACTORS AND REQUIRE THAT THEY IMPLEMENT THE PLAN AS WELL. IF A SPILL SHOULD OCCUR PLEASE CONTACT THE APPROPRIATE AUTHORITIES BELOW:
EMERGENCY RESPONSE
FRANKLIN FIRE DEPARTMENT 911 (317)736-3560
FRANKLIN POLICE DEPARTMENT (317)736-3670
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (888)233-7745

1. CONSTRUCTION EQUIPMENT
- A. FUELING, LUBRICATION, AND FLUIDS: ALL OPERATIONS INVOLVING THE ADDITION OF FLUIDS TO EQUIPMENT SHOULD BE DONE IN ONE LOCATION, SO THAT SPILLS ARE LIMITED TO THAT SPECIFIC LOCATION WHICH WILL FACILITATE THE CLEANUP OF SPILLS. IF AN OUTSIDE FUELING TANK IS PLANNED TO BE ON SITE, IT SHALL BE DOUBLE WALLED AND STORED IN THIS DESIGNATED AREA. THIS LOCATION IS AN AREA THAT WILL NOT ALLOW SPILLED FLUIDS TO MIGRATE INTO SUBSURFACE SOILS. IN THE EVENT OF A SPILL, THE FLUID SHALL IMMEDIATELY BE CLEANED UP BY REMOVING THE CONTAMINATED SOIL OR STONE WHICH SHALL BE DISPOSED OF IN AN ACCEPTABLE MANNER. SURFACES SHALL BE SOAKED UP BY AN ACCEPTABLE MATERIAL SUCH AS OIL DRY AND THE ABSORBENT MATERIAL DISPOSED OF IN A PROPER MANNER. THE SPILL SHALL ALSO BE REPORTED IMMEDIATELY TO THE CONTRACTOR'S SUPERINTENDENT.
- B. EQUIPMENT REPAIR, ESPECIALLY WHEN FLUIDS MUST BE REMOVED FROM THE EQUIPMENT OR THE POSSIBILITY OF FLUID SPILLS IS HIGH, SHOULD ALWAYS BE DONE OFFSITE AT A FACILITY THAT IS MORE SUITABLE THAN A CONSTRUCTION SITE TO HANDLE SPILLS. WHEN EQUIPMENT MUST BE REPAIRED ONSITE, IT SHOULD BE MOVED TO THE MAINTENANCE AND FUELING AREA IF POSSIBLE. OTHERWISE, SUITABLE ON SITE CONTAINERS SHOULD BE PLACED UNDER THE EQUIPMENT DURING REPAIR TO CATCH ANY SPILLED FLUIDS AND THESE FLUIDS SHOULD BE DISPOSED OF IN A PROPER MANNER.
- C. ALL REUSABLE FLUID CONTAINERS, SUCH AS GASOLINE CANS, SHALL BE INSPECTED FOR LEAKS EACH TIME THEY ARE USED. IF LEAKS ARE FOUND, THE FLUID SHALL BE REMOVED FROM THE CONTAINER IN A PROPER MANNER AND THE CONTAINER DISPOSED OF IN AN ACCEPTABLE MANNER. EMPTY DISPOSABLE CONTAINERS, SUCH AS GREASE TUBES AND LUBRICATING OIL AND BRAKE FLUID CONTAINERS, AND THEIR PACKAGING, SHALL BE DISPOSED OF IN A PROPER MANNER AND SHALL NOT BE LEFT ON THE GROUND OR IN THE OPEN ON THE CONSTRUCTION SITE.
2. CONSTRUCTION MATERIALS AND THEIR PACKAGING
- A. EROSION CONTROL MEASURES SHOWN ON THESE PLANS SHALL BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION IN THE PROPER SEQUENCING TO MINIMIZE SOIL EROSION. EROSION CONTROLS SHALL BE INSPECTED AND MAINTAINED AS DESCRIBED ELSEWHERE IN THESE PLANS. EXCESSIVE DUSTING OF SOIL ON THE SITE SHALL BE MINIMIZED BY REDUCING CONSTRUCTION TRAFFIC ACROSS BARE SOIL DURING DRY AND/OR WINDY WEATHER, AND BY APPLYING WATER OR OTHER ACCEPTABLE DUST CONTROL MEASURES TO THE SOIL. UPON COMPLETION OF CONSTRUCTION AND SUITABLE ESTABLISHMENT OF PERMANENT VEGETATION, TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE AND INLET PROTECTION DEVICES SHALL BE REMOVED IN A MANNER TO MINIMIZE ADDITIONAL LAND DISTURBANCE. ANY AREAS DISTURBED BY THESE OPERATIONS SHALL BE PROPERLY REVEGETATED.
- B. LARGE WASTE MATERIALS CREATED BY CUTTING, SAWING, DRILLING, OR OTHER OPERATIONS SHALL BE PROPERLY DISPOSED OF IN SUITABLE ONSITE WASTE CONTAINERS. THE SITE SHALL BE CHECKED AT THE END OF THE DAY, AT A MINIMUM, AND ALL WASTE MATERIALS, INCLUDING THOSE BLOWN ACROSS, OR OFF THE SITE BY WIND, SHALL BE PICKED UP AND DISPOSED OF IN SUITABLE CONTAINERS. WHERE POSSIBLE, OPERATIONS SUCH AS SAWING THAT CREATE SMALL PARTICLES SHOULD BE PERFORMED IN ONE SPOT IN AN AREA PROTECTED FROM WIND, AND WASTE PARTICLES COLLECTED AND DISPOSED OF FREQUENTLY TO MINIMIZE WIND DISPERSAL. PACKAGING USED TO TRANSPORT MATERIALS TO THE SITE FOR CONSTRUCTION OF THE FACILITY SHALL BE DISPOSED OF PROPERLY, WHETHER THE MATERIAL IS TAKEN OUT OF ITS PACKAGE AND INCORPORATED INTO THE PROJECT IMMEDIATELY OR STORED ONSITE FOR FUTURE USE. PACKAGED MATERIALS STORED ONSITE SHALL BE INSPECTED REGULARLY AND ANY LOOSE PACKAGING SHALL BE REPAIRED OR DISPOSED OF PROPERLY.
- C. ALL DEWATERING ACTIVITIES SHALL BE DONE IN ACCORDANCE TO GOOD EROSION CONTROL PRACTICES. THESE PRACTICES SHOULD INCLUDE THE USE OF DIRT BAGS SUCH AS DANDY DIRT BAGS. THE USE OF THESE TYPES OF DEWATERING DEVICES WILL REMOVE LARGE QUANTITIES OF SILT, SEDIMENT, AND DIRT AND PREVENT THESE MATERIALS FROM ENTERING THE STORM SEWER SYSTEM.
- D. IF THE USE OF LIME IS USED TO STABILIZE THE SOIL OF THE SITE THEN ALL CONSTRUCTION EQUIPMENT USED SHALL BE CLEANED OF ALL EXCESS MATERIAL WITH WATER IN THE CONSTRUCTION STAGING AREA AS SHOWN WITHIN THESE PLANS.
- E. NUTRIENTS AND FERTILIZERS SHALL ONLY BE USED TO ESTABLISH RAPID VEGETATION. WHEN THESE PRODUCTS ARE UTILIZED, THE USER SHOULD PAY STRICT ATTENTION TO THE PRODUCTS RECOMMENDED USAGE.

3. CONCRETE WASTE WATER

- A. ALL CONCRETE WASTE WATER SHALL BE DISPOSED OF IN THE DESIGNATED CONCRETE WASHOUT AREAS SHOWN ON THIS SHEET. CONCRETE WASTE WATER SHALL BE DISCHARGED INTO A 4'-HIGH, 10'-DIAMETER DOUGHNUT-TYPE MULCH BERM CONSTRUCTED OVER A GEOTEXTILE FABRIC. CONTRACTOR SHALL INSPECT THIS AREA ON A DAILY BASIS AT A MINIMUM. WHEN THIS AREA BECOMES FULL, THE POLLUTANTS SHALL BE EXCAVATED, PLACED IN AN ACCEPTABLE CONTAINER AND DISPOSED OF IN A PROPER MANNER.
4. PAINT PRODUCTS
- A. ALL EXCESS PAINT AND THEIR RELATED PRODUCTS SHALL BE DISPOSED OF IN THE MANNER BY WHICH THE MANUFACTURER SUGGESTS. UNDER NO CIRCUMSTANCES SHALL PAINT OR THEIR RELATED PRODUCTS BE CLEANED OR DISPOSED OF IN SOIL, SANITARY SEWERS, STORM SEWERS OR DETENTION BASINS. ANY VIOLATIONS OF THIS SHALL BE REPORTED TO THE JOB SUPERINTENDENT.

IN THE EVENT OF ACCIDENTAL CONTAMINATION, ALL EFFORTS SHOULD BE MADE TO REMOVE CONTAMINANTS IN AN APPROPRIATE MANNER. THE FRANKLIN FIRE DEPARTMENT (317-736-3650) SHOULD BE CONTACTED IMMEDIATELY TO DETERMINE IF FURTHER MEASURES ARE NEEDED.

- B14 PROJECT SITE OWNER OR THEIR REPRESENTATIVE, KNOWLEDGEABLE IN EROSION AND SEDIMENT CONTROL, WILL INSPECT THE SITE FOR STORMWATER POLLUTION PREVENTION DEFICIENCIES AT LEAST WEEKLY AND AGAIN WITHIN 24 HOURS OF EVERY ½ INCH RAIN EVENT.

B15 NOT APPLICABLE.

POST CONSTRUCTION COMPONENTS

- C1 EXPECTED POLLUTANTS WILL BE MINIMAL IN NATURE, POST-DEVELOPMENT. OIL, GREASE, ANTIFREEZE, GASOLINE, ETC. MAY OCCUR IN LIMITED AMOUNTS AS A RESULT OF THE MAJORITY OF THIS PROJECT SITE BEING USED FOR TEMPORARY PARKING. THE ONLY OTHER REASONABLY FORESEEN POLLUTION FROM THIS SITE WILL BE LITTER AND TRASH DUMPED BY VISITORS.
- C2 ALL EXISTING EROSION CONTROL MEASURES AS SHOWN ON THE PLAN VIEW WILL NOT BE REMOVED UNTIL FINAL STABILIZATION HAS OCCURRED. FINAL STABILIZATION OF THE SITE WILL BE ACCOMPLISHED USING PERMANENT SEEDING OF ALL OPEN AREAS, LANDSCAPING WITH MULCH ON PARKING ISLANDS, AND PLACEMENT OF ASPHALT PAVEMENT.
- C3 BUILDING OWNER WILL BE MAINTAINING ALL PARKING AREAS ON A WEEKLY BASIS. THIS MAINTENANCE INCLUDES FREQUENT SWEEPING OF ALL PAVED SURFACES AS WELL AS COLLECTION OF ANY LITTER. ALL GREEN SPACES WILL BE MAINTAINED WITH REGULAR MOWING DURING GROWING SEASONS. PERIODIC FERTILIZER APPLICATIONS WILL OCCUR TO THE GREEN SPACES.
OWNER CONTACT:
TAKENAKA CORPORATION
56 SOUTH PARK BOULEVARD
GREENWOOD, IN 46143
PHONE: (317)881-1610
- C4 PERMANENT STORMWATER QUALITY MEASURES WILL BE THE SAME AS DESCRIBED IN B10. THE OWNER WILL PERFORM REGULAR MAINTENANCE INCLUDING REMOVAL OF SEDIMENT WITHIN THE SWALES AND REPLACING IT ON SITE.
- C5 MAINTENANCE OF ALL STORMWATER POLLUTION PREVENTION MEASURES WILL BE THE RESPONSIBILITY OF THE PROJECT OWNER, TAKENAKA CORPORATION, UTILIZING PROCEDURES OUTLINED ON THESE PLANS. THE MAINTENANCE GUIDELINES CONSIST MOSTLY OF GOOD HOUSEKEEPING MEASURES. ANY GRASSED OR VEGETATED AREAS THAT EXPERIENCE EROSION FROM RAINFALL EVENTS SHOULD BE REPAIRED AND REVEGETATED AS SOON AS POSSIBLE. TRASH OR LITTER SHOULD BE PICKED UP AND PROPERLY DISPOSED TO PREVENT IT FROM GETTING INTO THE STORM DRAINAGE SYSTEM AND DOWNSTREAM WATERWAYS.

EROSION OF THE DETENTION POND BANKS SHOULD BE ADDRESSED AS SOON AS IT BECOMES VISIBLE BY FILLING THE ERODED AREA WITH SUITABLE SOIL AND ESTABLISHING VEGETATION IMMEDIATELY, PREFERABLY BY SODDING. THE SAME MEASURE SHOULD BE USED FOR STEEP BANKS OF ANY BERMS OR SWALES.

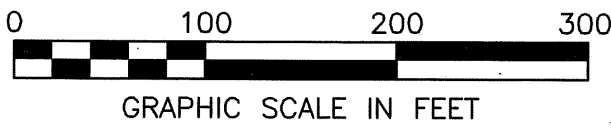
PAVEMENT AREAS SHOULD BE MONITORED FOR POLLUTANTS. ANY LARGE QUANTITIES OF FLUIDS SUCH AS OIL, ANTIFREEZE, BRAKE FLUID, ETC. FOUND ON THE PAVEMENT SHOULD BE REPORTED TO THE OWNER. THE OWNER SHOULD CLEAN THE POLLUTANTS AND PREVENT THE SOURCE FROM ENTERING THE SITE IN THE FUTURE. FINALLY, PAVEMENTS SHOULD ALSO BE MONITORED FOR SEDIMENT COMING FROM VEGETATIVE AREAS. IF POST-CONSTRUCTION EROSION IS OCCURRING, THE SOURCE SHOULD BE RE-STABILIZED AS SOON AS POSSIBLE BY SEEDING, SODDING OR MULCHING.

*NOTE: ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE IDNR "INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS" DATED OCTOBER 1992 AND THE SCS "FIELD OFFICE TECHNICAL GUIDE."

THE CITY ENGINEER HAS THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES IN THE FIELD AS CONDITIONS WARRANT.

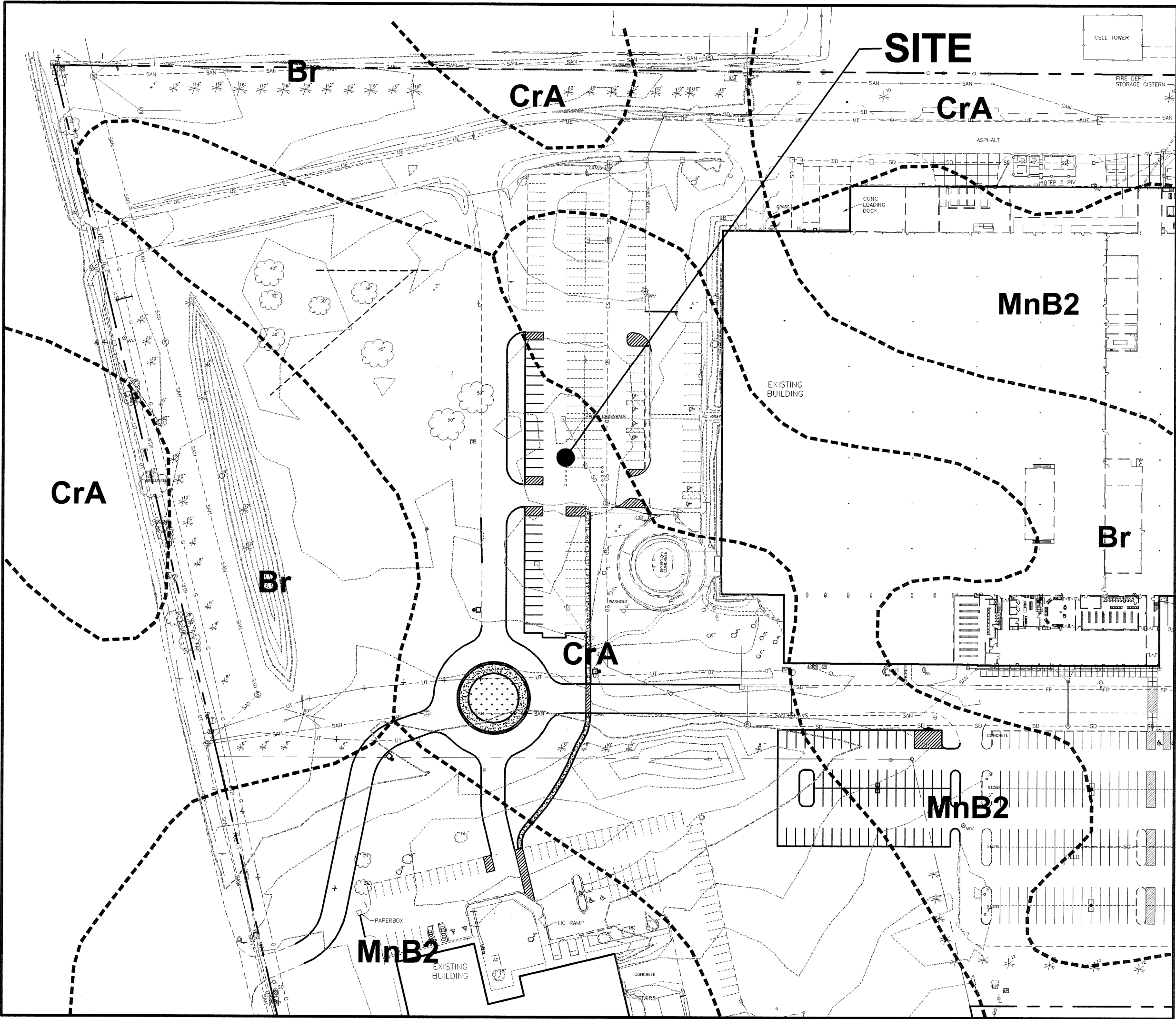
CONSTRUCTION SEQUENCE

- SUBMIT NOTICE OF INTENT (NOI) LETTER TO IDEM AND A COPY TO JOHNSON COUNTY SWCD A MINIMUM OF 48 HOURS PRIOR TO INITIATION OF LAND DISTURBING ACTIVITIES.
- DESIGNATE THE PERSON RESPONSIBLE FOR COMPLYING WITH THE ONSITE SWPPP. COORDINATE RESPONSIBILITY FOR COMPLETING THE SITE REVIEWS AFTER EACH 1/2" RAINFALL AND A MINIMUM OF ONE TIME A WEEK.
- POST THE CONTACT INFORMATION AT THE CONSTRUCTION ENTRANCE. INCLUDE A COPY OF THE NOI AND THE CONTACT INFORMATION FOR THE PERSON RESPONSIBLE FOR IMPLEMENTING THE SWPPP. THE SWPPP SHOULD BE ONSITE AND WEEKLY SITE REPORTS NEED TO BE AVAILABLE WITHIN 48 HOURS OF A REQUEST.
- INSTALL SILT FENCE AND INLET PROTECTION ON EXISTING INLETS AND CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE.
- INSTALL FUELING AREA, PORT-A-LET, SOLID WASTE BIN, CONCRETE WASHOUT FACILITY AND STAGING AREA.
- CONSTRUCT DRAINAGE SWALES. ALL AREAS THAT HAVE THE POTENTIAL TO DRAIN OFFSITE SHOULD BE GRADED IN SUCH A WAY, THAT INTERMEDIATE CONDITIONS WILL DRAIN TOWARDS THE DETENTION POND, STRIP TOPSOIL, STOCKPILE AND ROUGH GRADE SITE. LOWER POND LEVEL 18" BELOW THE OUTLET ELEVATION AND MAINTAIN UNTIL POND BANKS ARE STABILIZED. ENLARGE DETENTION BASIN.
- INSTALL EROSION CONTROL BLANKET ON BANKS OF DETENTION. SEED DETENTION BASIN AND PERIMETER OF PROJECT SITE.
- INSTALL SANITARY AND STORM SEWERS.
- PLACE INLET AND OUTLET PROTECTION. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER INLET IS FUNCTIONAL.
- ALL DISTURBED AREAS LEFT IDLE FOR 15 DAYS OR MORE MUST BE TEMPORARY SEEDED. INSTALL EROSION CONTROL BLANKETS IN SWALES.
- STONE PARKING LOT.
- PLACE PARKING LOT BINDER COURSE.
- FINAL GRADING.
- APPLY SEED AND MULCH AND REVIEW FINAL STABILIZATION.
- PLACE SURFACE ASPHALT COURSE.
- REMOVE SILT FENCE, AND INLET PROTECTION AFTER ALL AREAS ARE STABILIZED.
- ONCE THE CONSTRUCTION ACTIVITY IS COMPLETED (BY RULE LANGUAGE, WHEN FINAL STABILIZATION HAS OCCURRED), A COMPLETED RULE 5 NOTICE OF TERMINATION (NOT) FORM MUST BE SUBMITTED TO THE LOCAL SWCD OFFICE IN THE COUNTY WHERE THE CONSTRUCTION ACTIVITY WILL TAKE PLACE AND CITY OF FRANKLIN FOR VERIFICATION.



LEGEND

- SOILS -----
- CONSTRUCTION LIMITS -----



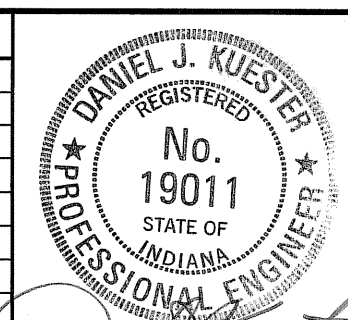
SOILS MAP

1" = 100'

ALL AREAS THAT ARE LEFT UNDISTURBED FOR 15 DAYS SHALL RECEIVE SEED AND MULCH.



NO.	DATE	REVISION



KYB
FRANKLIN, IN

W
WOOLPERT
DESIGN | GEOGRAPHICAL | INFRASTRUCTURE

7635 Interactive Way
Suite 100
Indianapolis, IN 46278
317.299.7500
FAX: 317.291.5805

TAKENAKA CORPORATION (U.S.A.)

56 SOUTH PARK BLVD, GREENWOOD, IN 46143, 317-881-1610 FAX: 317-881-4510
757 THIRD AVENUE, NEW YORK, NY. 10017

DRAWING TITLE	EROSION CONTROL NOTES	DRAWING NO.	C401
PROJECT NO.	72416	SCALE	1"=100'
DRAWN	RMM	DATE	05/17/24

Layout Tab Name: C401, Images: aerial.jpg, Xrefs: 72416-TBLK.dwg, 72416-x.dwg, 72416-p.dwg
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Layout Tab Name: C500, Images: aerial.jpg, Xrefs: 72416-TBLK.dwg, 72416-x.dwg, 72416-p.dwg
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KYB
FRANKLIN, IN

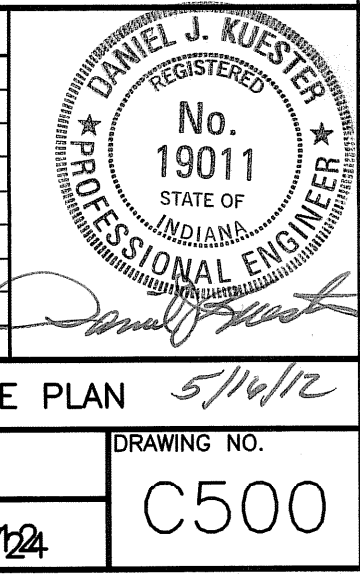
WOOLPERT
DESIGN | CONSTRUCTION | INFRASTRUCTURE

7635 Interactive Way
Suite 100
Indianapolis, IN 46278
317.299.7500
FAX: 317.291.5805

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56 SOUTH PARK BLVD, GREENWOOD, IN 46143, 317-881-1610 FAX: 317-881-4510
757 THIRD AVENUE, NEW YORK, N.Y. 10017

NO.	DATE	REVISION



DRAWING TITLE LANDSCAPE PLAN 5/16/12

PROJECT NO. 72416 SCALE 1"=50' DRAWING NO. C500

DRAWN RMM DATE 05/24/12



0 50 100 150
GRAPHIC SCALE IN FEET

LEGEND

EXISTING

SHADE TREE

ORNAMENTAL TREE

EVERGREEN TREE

PROPOSED

SHADE TREE

ORNAMENTAL TREE

EVERGREEN TREE

PERMANENT SEEDING

ALL FILL AND CUT SLOPES SHOULD BE SEEDED IMMEDIATELY AFTER CONSTRUCTION. SEED TO THE FOLLOWING GRASS MIXTURES:

- (1) 6# TURF TYPE TALL FESCUE (TRIPLE BLEND)
8# 12-12-12 FERTILIZER (SEE SPECIFICATIONS)
1 1/2 BALES OF STRAW PER 1000 SQUARE FEET ON 2:1 OR STEEPER SLOPE USE:
(2) 2# CROWN VETCH
1 1/2# TALL FESCUE
1 1/2# PERENNIAL RYEGRASS
20# 5-10-10 FERTILIZER
2 BALES OF STRAW PER 1000 SQUARE FEET

TEMPORARY SEEDING

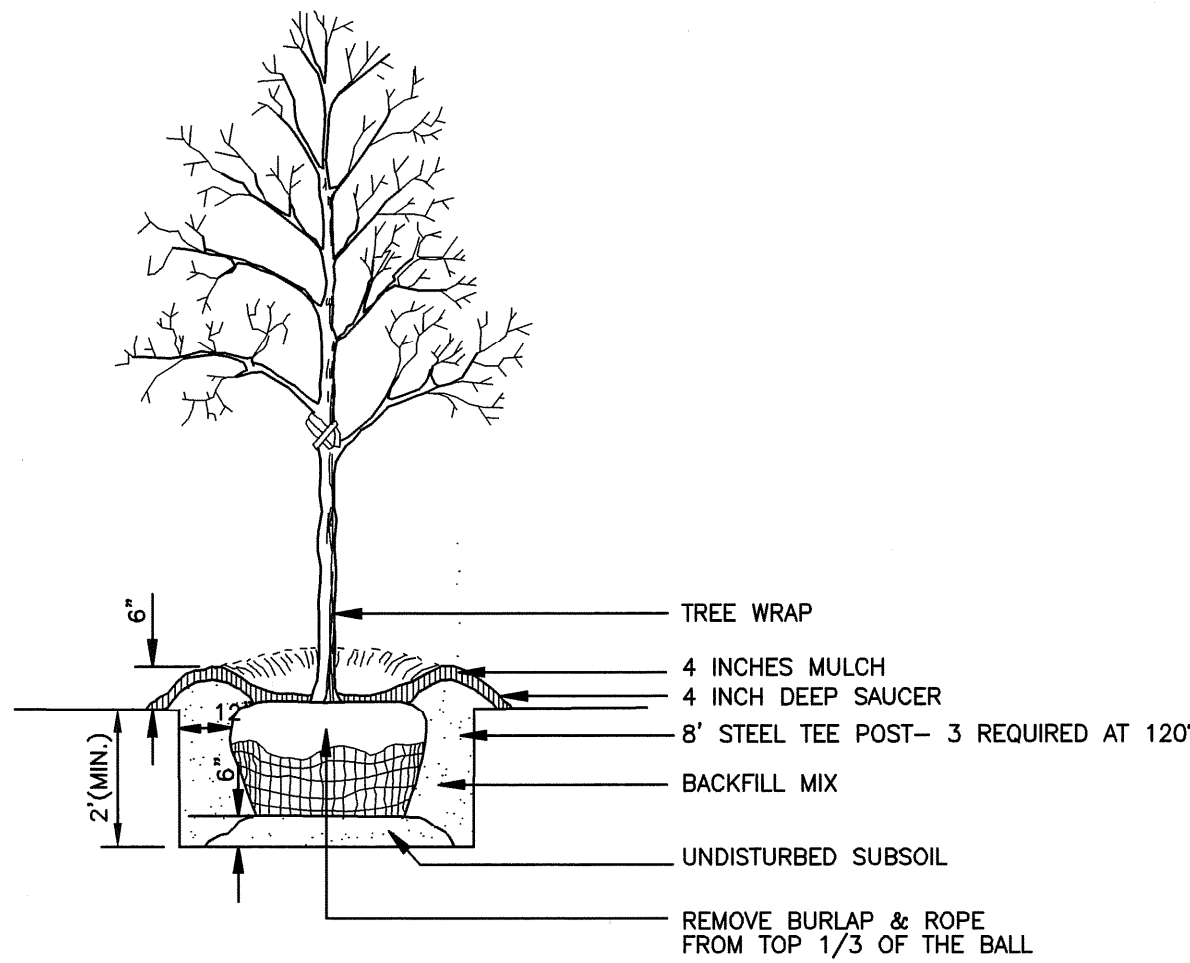
- 2# TALL FESCUE
2# PERENNIAL RYEGRASS
5# 12-12-12 FERTILIZER
1 1/2 BALES OF STRAW PER 1000 SQUARE FEET

LANDSCAPE NOTES:

- ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL.
- ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
- ALL PLANT MATERIAL SHALL BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN THE PLANT LIST.
- ALL TREES SHALL HAVE A STRAIGHT TRUNK AND FULL HEAD AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION DURING DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE PERIOD OF ONE YEAR FROM COMPLETION OF PROJECT.
- ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF PROJECT COMPLETION. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- WHERE SHOWN ON THE PLANS AND DETAILS, PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH A HARDWOOD MULCH FROM A LOCAL SOURCE HARVESTED IN A SUSTAINABLE MANNER TO A MINIMUM DEPTH OF FOUR INCHES.
- ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
- THE CONTRACTOR IS ENCOURAGED TO COMPLETE TEMPORARY OR PERMANENT SEEDING IN STAGES FOR SOIL STABILIZATION AS AREAS ARE COMPLETED AFTER GRADING.
- ALL DISTURBED AREAS TO RECEIVE FOUR (4) INCHES OF TOPSOIL AND SEEDED WITH PERMANENT SEED MIX THIS SHEET.

LANDSCAPE PLANT LIST:

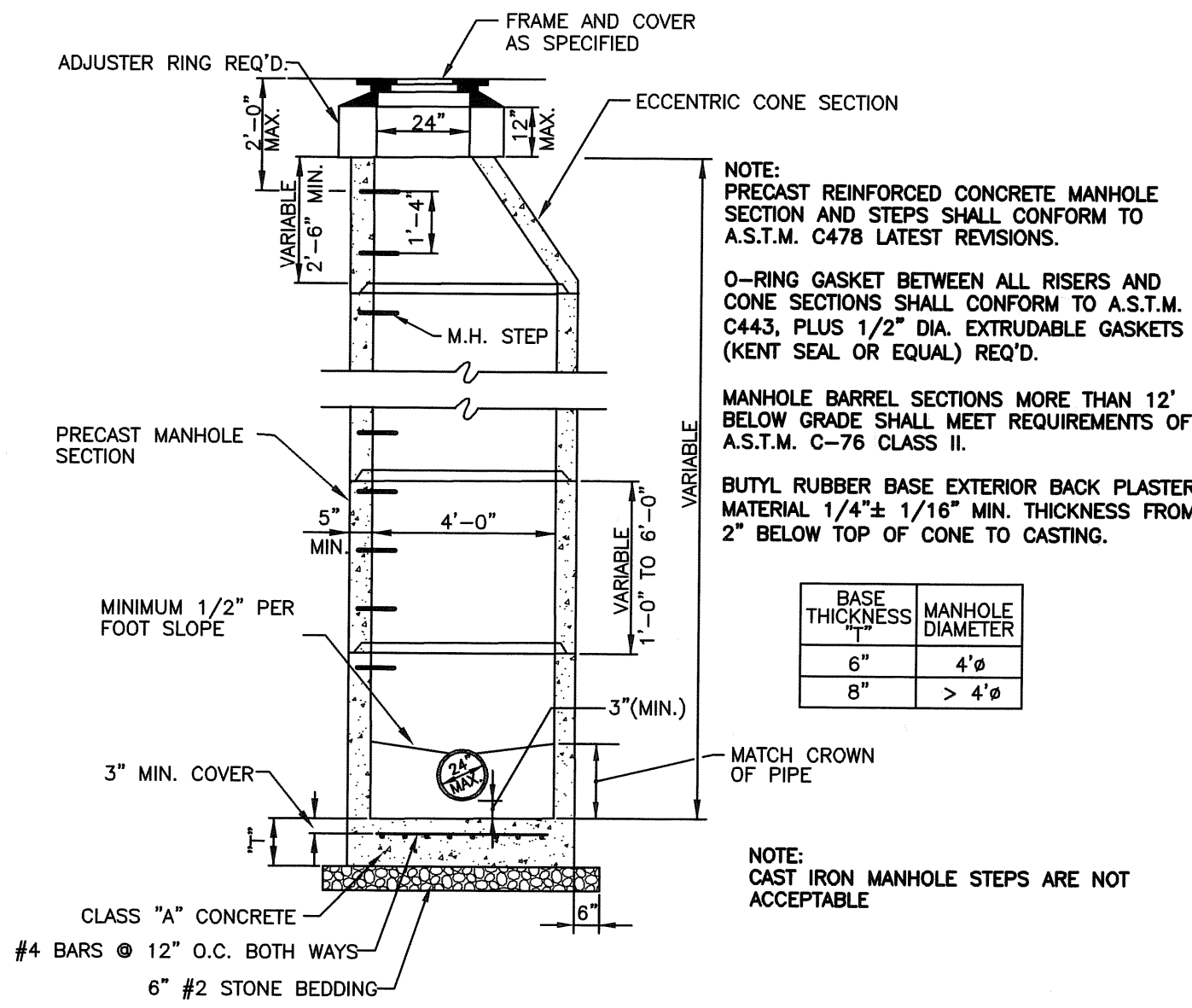
KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	REMARKS
CANOPY TREES						
CO	4	Celtis occidentalis 'Prairie Pride'	Prairie Pride Hackberry	2.5" cal.	B&B	Straight Central Leader
OS	9	Quercus shumardii	Shumard Oak	2.5" cal.	B&B	Straight Central Leader
ORNAMENTAL/ EVERGREEN TREES						
CV	11	Crataegus viridis 'Winter King'	Winter King Hawthorn	1.5" cal.	B&B	Single-stem



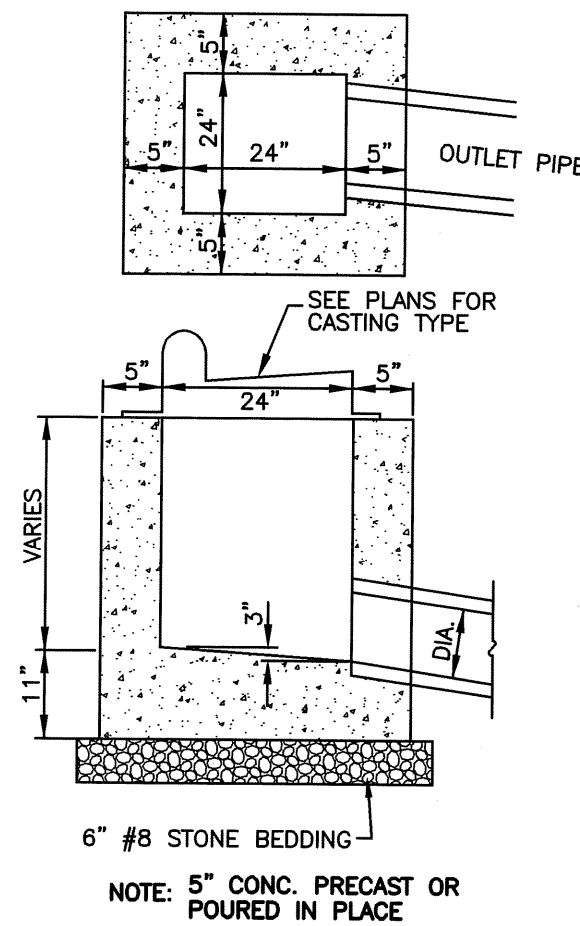
NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

TREE PLANTING
N.T.S.

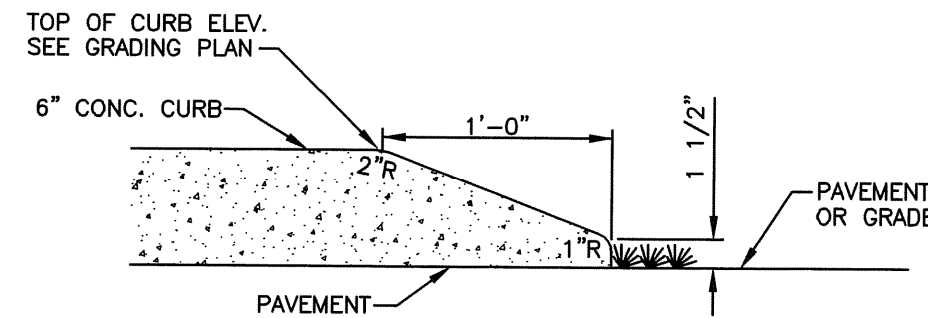




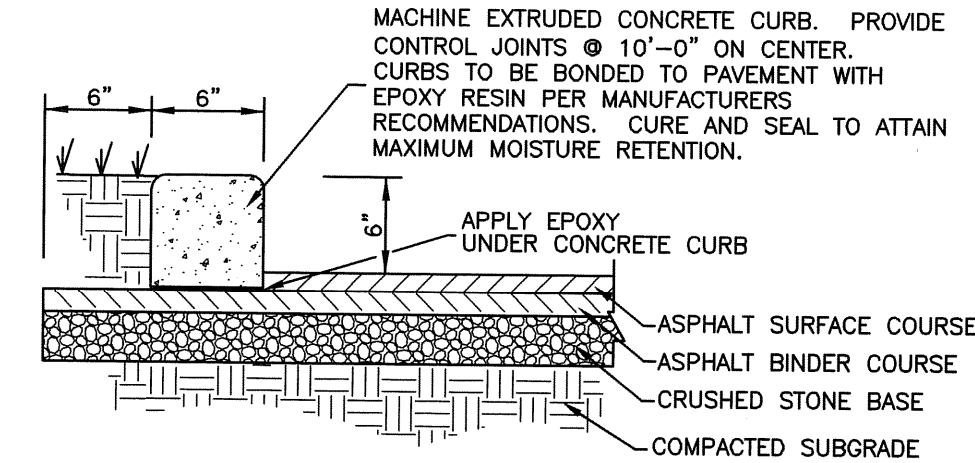
MANHOLE TYPE "C"
NO SCALE



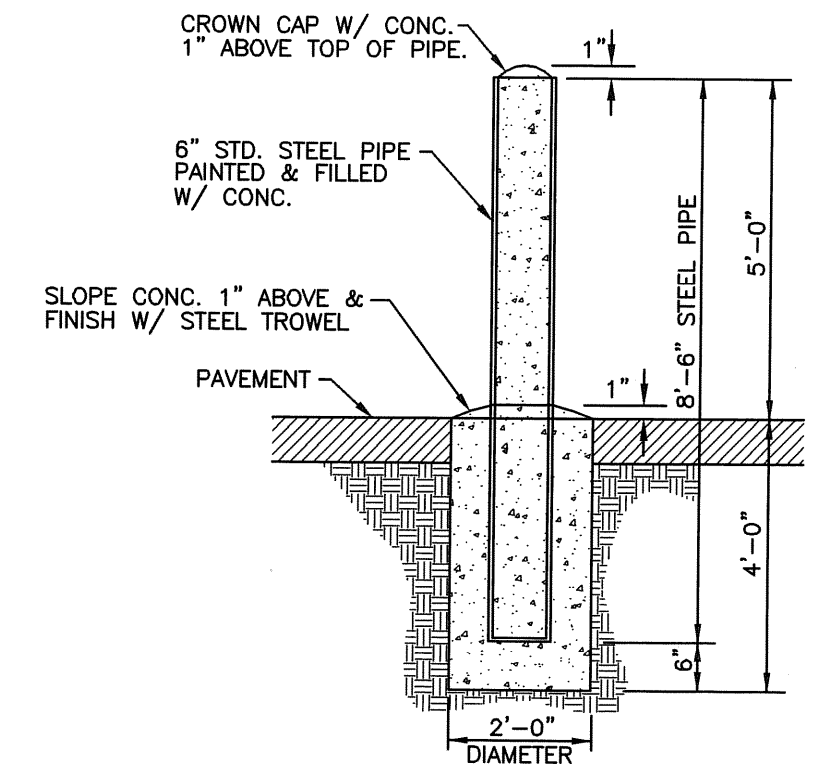
INLET TYPE "A"
(TYPICAL)
(12" TO 18" PIPES)
NO SCALE



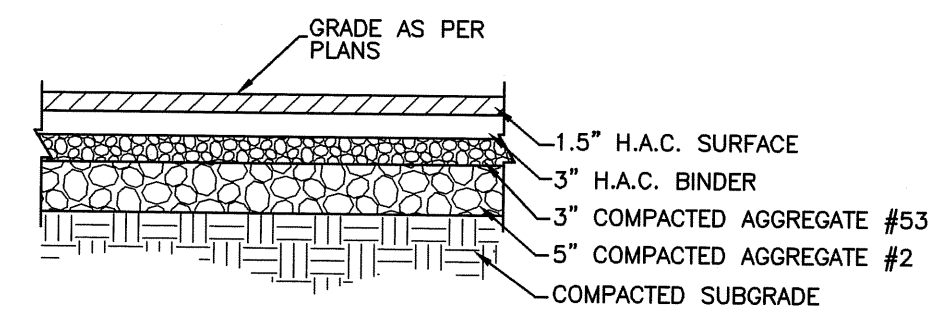
CONCRETE CURB END TAPER
NO SCALE



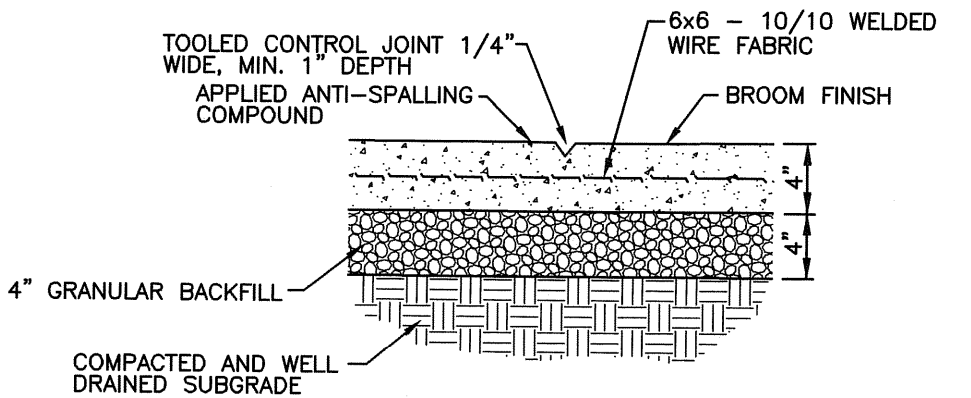
EXTRUDED CONCRETE CURB DETAIL
NO SCALE



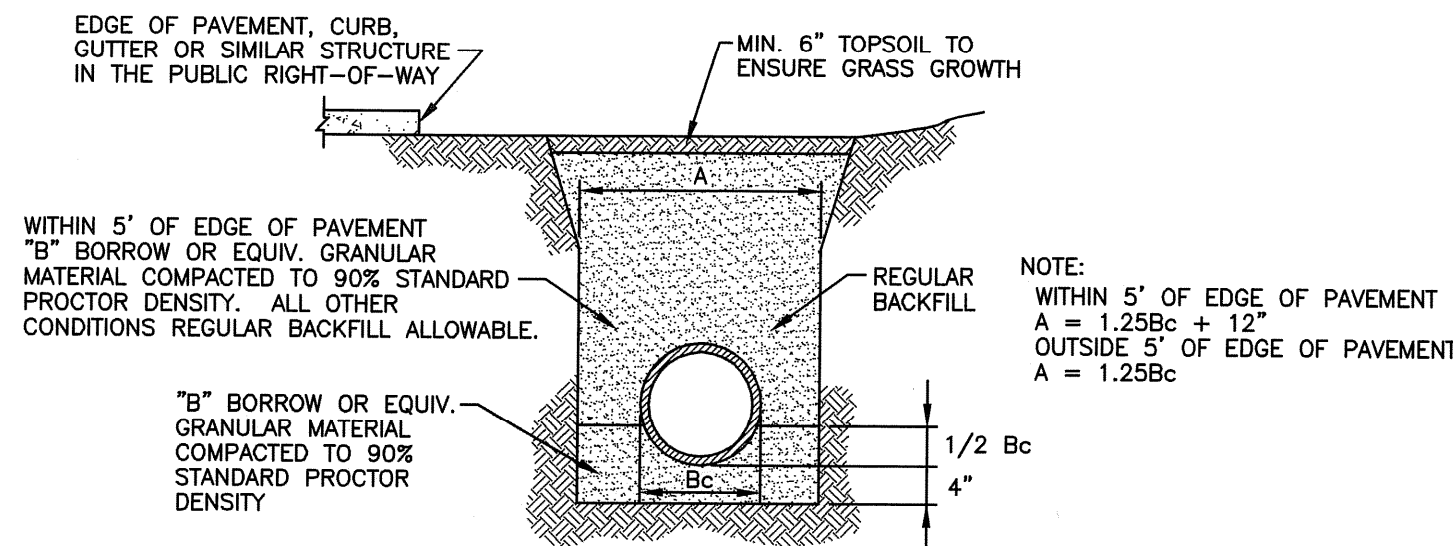
GUARD POST DETAIL
NO SCALE



HEAVY DUTY
TYPICAL PAVEMENT SECTION
NO SCALE



CONCRETE WALK DETAIL
NO SCALE



DEPTH OF BEDDING MATERIAL BELOW PIPE

D	(d) MIN.
27" & SMALLER	3"
30" TO 60"	4"
66" & LARGER	6"

NOTE: ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS

A MINIMUM 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE

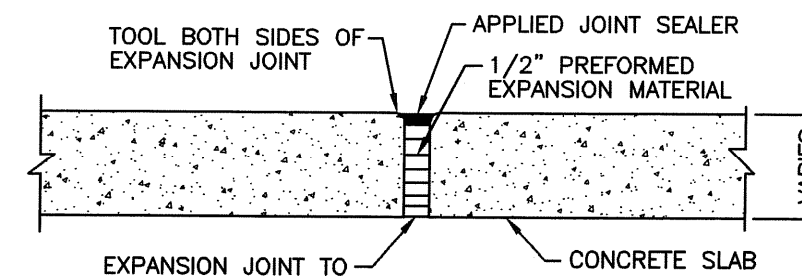
LEGEND

Bc = OUTSIDE DIAMETER

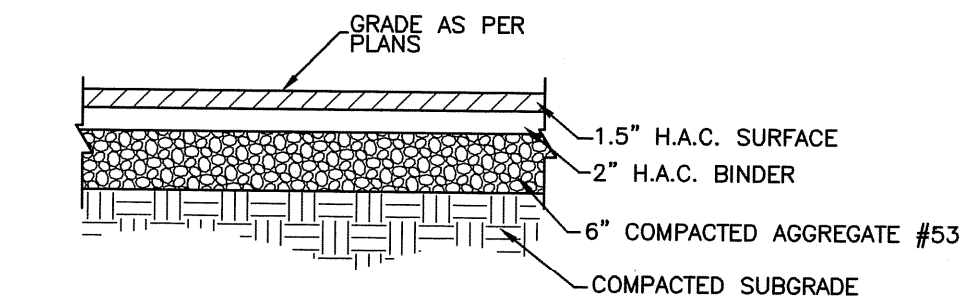
D = INSIDE DIAMETER

d = DEPTH OF BEDDING MATERIAL BELOW PIPE

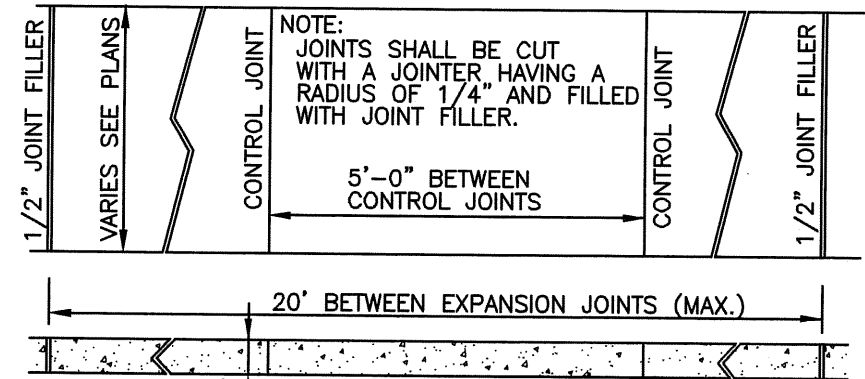
REINFORCED CONCRETE PIPE (RCP)
TRENCH DETAIL
NO SCALE



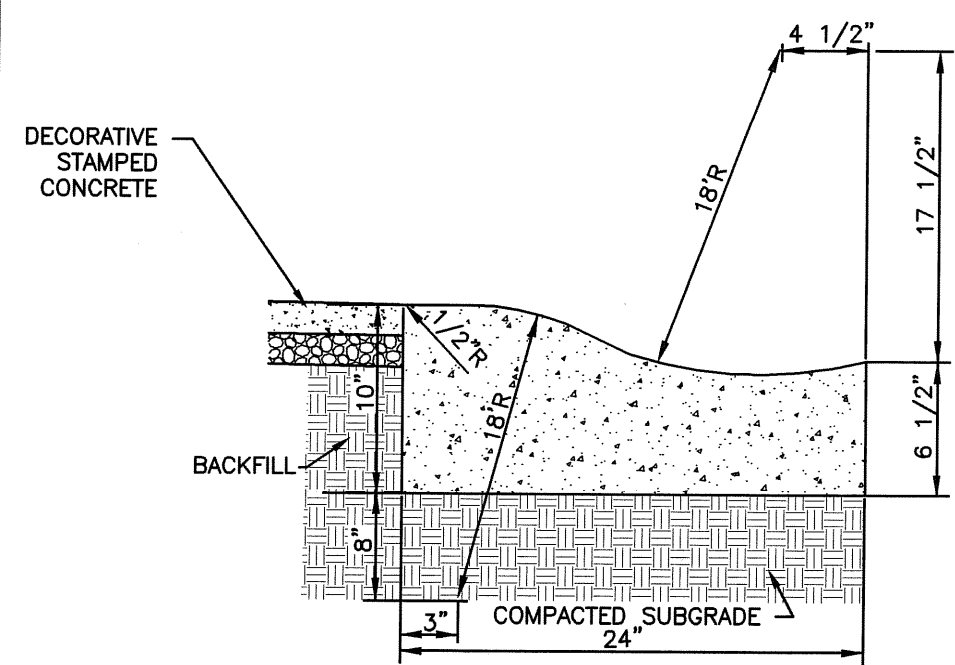
EXPANSION JOINT DETAIL
NO SCALE



TYPICAL PAVEMENT SECTION
NO SCALE



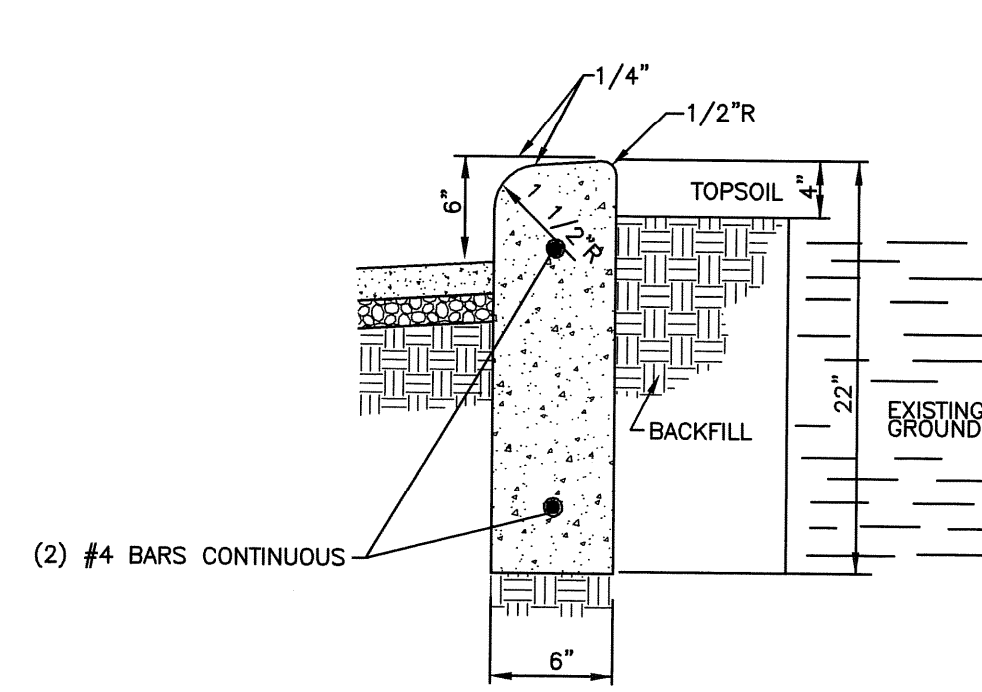
CONCRETE WALK SECTION
NO SCALE



NOTES:

- 1.) CONTRACTION JOINTS SHALL BE PLACED EVERY 20' MAX. TO A DEPTH OF 1 1/2".
- 2.) FULL DEPTH SEPARATORS ARE NOT PERMITTED EXCEPT AT EXPANSION JOINTS.
- 3.) EXPANSION JOINTS TO BE PLACED @ 100' MAXIMUM.

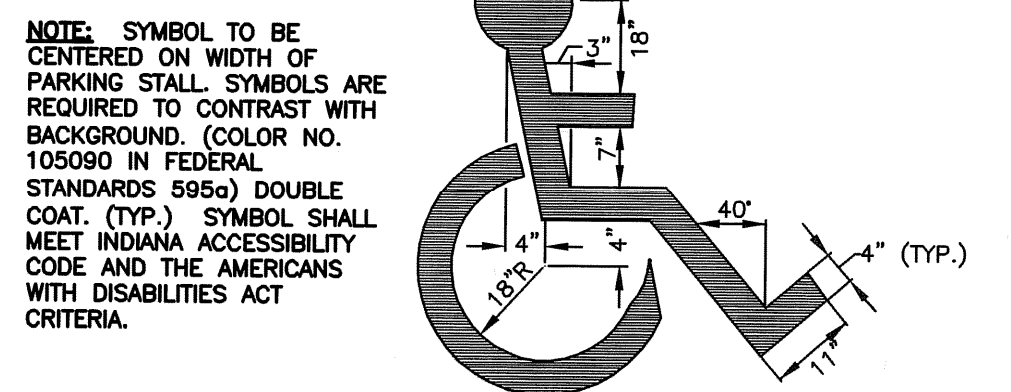
2' MOUNTABLE CURB & GUTTER
NO SCALE



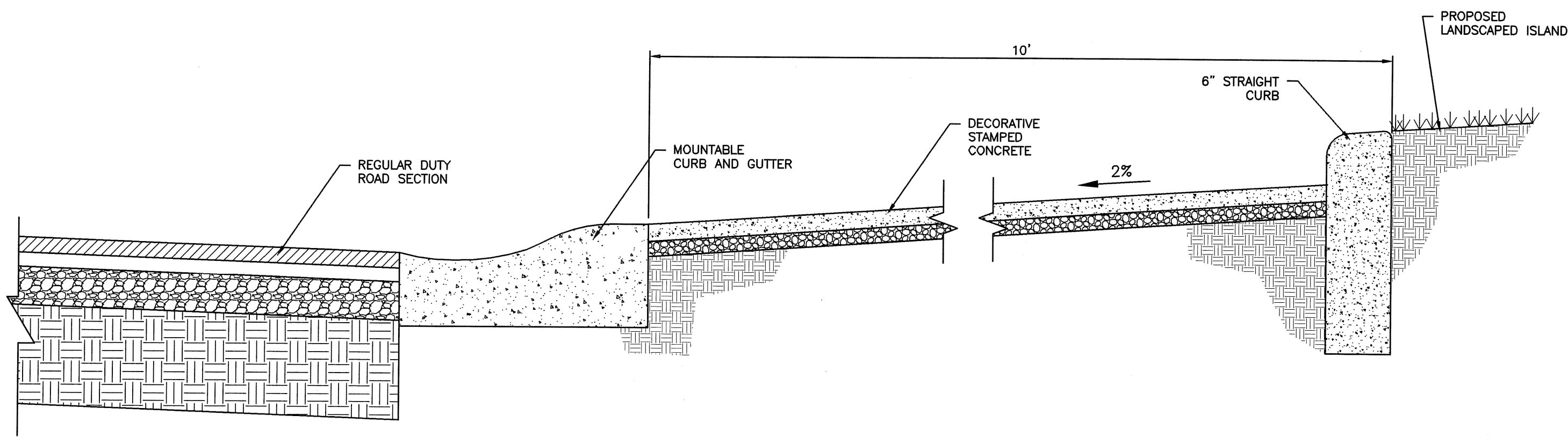
NOTES:

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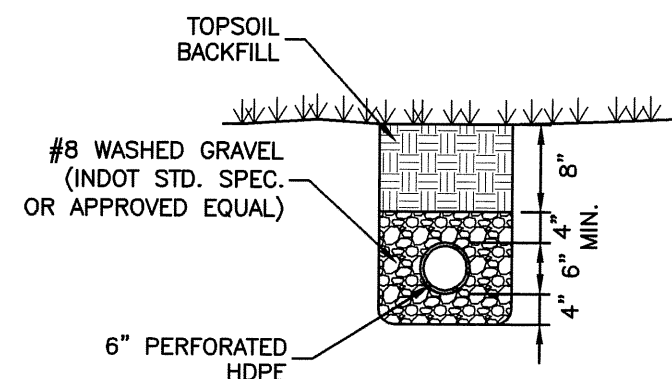
6" STRAIGHT CURB
NO SCALE



DISABLED PAVEMENT SYMBOL
NO SCALE

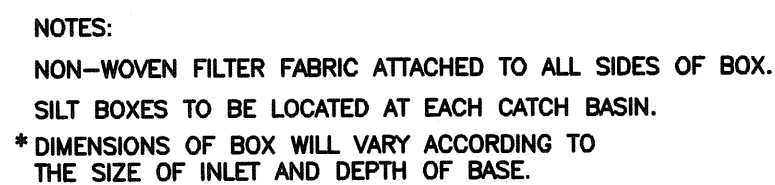


TYPICAL SECTION AT ROUNDABOUT
NO SCALE

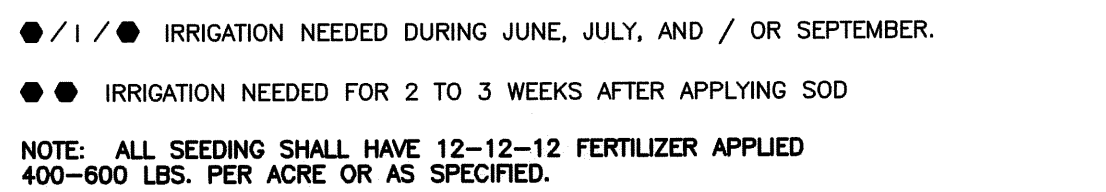


YARD UNDERDRAIN DETAIL
NO SCALE

EROSION CONTROL SCHEDULE		
EROSION CONTROL MEASURE	MAINTENANCE	INSTALLATION SEQUENCE
STONE ENTRANCE	INSPECT WEEKLY, AFTER STORM EVENTS, AND AFTER STEADY USE; RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL; TOP DRESS WITH CLEAN STONE AS NEEDED; REMOVE ALL MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS IMMEDIATELY	PRIOR TO CLEARING AND GRADING
SILT FENCE	INSPECT AFTER STORM EVENTS; REPAIR ANY AREAS OF DECOMPOSITION OR DAMAGE TO FENCE MATERIAL; REMOVE SEDIMENT AT DEPTH OF ONE HALF FENCE HEIGHT AT LOWEST POINT OR IF FABRIC BULGES; AVOID UNDERMINING DURING CLEANOUT	PRIOR TO CLEARING AND GRADING
EXISTING INLET PROTECTION	WEEKLY, AFTER STORM EVENTS, AND AS NEEDED	PRIOR TO CLEARING AND GRADING
TREE PROTECTION	WEEKLY, AFTER STORM EVENTS, AND AS NEEDED	PRIOR TO CLEARING AND GRADING
TEMPORARY DIVERSIONS	INSPECT WEEKLY AND AFTER EACH STORM EVENT; REMOVE SEDIMENT FROM CHANNEL AND REINFORCE RIDGE AS NEEDED; REPAIR OUTLET DAMAGE IMMEDIATELY; REMOVE SEDIMENT FROM TRAPS WHEN 50% FULL; WHEN WORK AREA IS STABILIZED, REMOVE RIDGE, FILL CHANNEL, REMOVE TEMPORARY SLOPE DRAINS, AND STABILIZE ALL DISTURBED AREAS	ALONG WITH ROUGH GRADING
TEMPORARY SEDIMENT TRAP	INSPECT AFTER STORM EVENTS; REMOVE SEDIMENT AT ONE HALF DESIGN DEPTH; REPLACE SPILLWAY GRAVEL FACING IF CLOGGED; REPAIR EROSION AND HOLES AS NEEDED; REPLACE DISPLACED RIPRAP	DURING CLEARING AND PRIOR TO GRADING
TEMPORARY SEEDING	INSPECT PERIODICALLY TO VERIFY ADEQUATE ESTABLISHMENT OF VEGETATIVE STANDS; RESEED AND MULCH AS NEEDED; INSPECT AFTER STORM EVENTS AND REPAIR EROSION DAMAGE; TOP DRESS FALL SEEDED WHEAT OR RYE SEEDINGS WITH 50 LBS/AC OF NITROGEN IN FEBRUARY OR MARCH IF NITROGEN DEFICIENCY IS APPARENT; WATER AS NEEDED	AFTER ROUGH GRADING
PERMANENT SEEDING	INSPECT PERIODICALLY AND AFTER STORM EVENTS UNTIL VEGETATIVE STAND IS ESTABLISHED; ADD FERTILIZER AFTER GROWING SEASON PER SOIL TEST RECOMMENDATIONS; REPAIR DAMAGED, BARE, OR SPARSE AREAS BY FILLING, PREPARING THE SEED BED, FERTILIZING, AND/OR SEEDING AND MULCHING	AFTER FINISH GRADING OF EACH AREA
EROSION CONTROL BLANKET	INSPECT FOR AREAS OF EROSION BELOW THE BLANKET AFTER EACH STORM EVENT; REPAIR AREAS OF EROSION BY REMOVING AFFECTED PORTION OF BLANKET, ADD SOIL, RESEED, RELAY AND STAPLE BLANKET; INSPECT PERIODICALLY AFTER VEGETATION IS ESTABLISHED	AFTER FINISH GRADING
STRAW BALES	INSPECT THE BALES AFTER EACH STORM EVENT; REMOVE SEDIMENT DEPOSITS TO PROVIDE STORAGE FOR THE NEXT STORM BEING CAREFUL NOT TO DAMAGE OR UNDERCUT THE BALES; REPLACE DAMAGED OR DETERIORATED BALES IMMEDIATELY	AFTER FINISH GRADING
INLET PROTECTION	INSPECT FABRIC BARRIER AFTER STORM EVENTS AND MAKE NEEDED REPAIRS IMMEDIATELY; REMOVE SEDIMENT FROM THE POOL AREA WHILE AVOIDING DAMAGING OR UNDERCUTTING THE FABRIC	AFTER EACH INLET IS PLACED
SEED, SOD & LANDSCAPE AROUND UNITS FINISHED	KEEP SOD MOIST UNTIL FULLY ROOTED; WATER AS NEEDED	AFTER FINISHED GRADING AROUND FINISHED UNITS
REMOVAL OF STRAW BALES	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF INLET PROTECTION	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF SILT FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED



NOTES:
NON-WOVEN FILTER FABRIC ATTACHED TO ALL SIDES OF BOX.
SILT BOXES TO BE LOCATED AT EACH CATCH BASIN.
* DIMENSIONS OF BOX WILL VARY ACCORDING TO
THE SIZE OF INLET AND DEPTH OF BASE.



10' DIA.

2'

6"

6" EXCAVATED KEYWAY

6" EXCAVATED KEYWAY

6" MULCH BOTTOM OVER GEOTEXTILE WOVEN FABRIC

(3) 12" MULCH FILLED EROSION CONTROL LOGS

The diagrams illustrate the construction and connection of silt fences:

- SLOPE CHECK:** A cross-section showing a silt fence post driven into a 6" x 6" trench. The post is secured with backfill. The non-woven filter fabric extends into the trench and is anchored into the existing soil. The ground line is indicated.
- DITCH CHECK:** A cross-section showing a silt fence post driven into a ditch. The non-woven fabric is shown with flow direction indicated. The bottom of the ditch is labeled.
- JOINING FENCES:** A cross-section showing two silt fence posts joined together. The non-woven fabric is secured with existing nylon cords.

SILT FENCE DETAIL
NO SCALE

NOTE:

1. CHANNEL LINING UTILIZE STAPLE PATTERN "C" WITH ADDITIONAL STAPLES ON SIDE SLOPES AT PROJECTED WATER LINE.
2. STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE RAINFALL.
3. AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO THE BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.



Figure 1 is a grid chart titled "SLOPE LENGTHS FOR VARIOUS SLOPES AND CHANNEL TYPES". The vertical axis represents "SLOPE LENGTH" in feet, ranging from 0 to 325 in increments of 25. The horizontal axis represents different channel types: 4:1, 3:1, 2:1, 1:1, LOW FLOW CHANNEL, and MED/HIGH FLOW CHANNEL AND SHORELINE. The chart is divided into four main categories: A (diagonal lines), B (horizontal lines), C (dots), and D (solid black). Category A is only present for the 4:1 slope at lengths up to 150 feet. Category B is present for 4:1, 3:1, and 1:1 slopes. Category C is present for 3:1, 2:1, 1:1, and LOW FLOW CHANNEL. Category D is present for MED/HIGH FLOW CHANNEL AND SHORELINE.

SLOPE LENGTH (FT.)	4:1	3:1	2:1	1:1	LOW FLOW CHANNEL	MED/HIGH FLOW CHANNEL AND SHORELINE
325	B	C	C	C	C	D
275	B	C	C	C	C	D
225	B	C	C	C	C	D
200	B	C	C	C	C	D
175	B	C	C	C	C	D
150	B	C	C	C	C	D
125	B	C	C	C	C	D
100	B	C	C	C	C	D
75	B	C	C	C	C	D
50	B	C	C	C	C	D
25	B	C	C	C	C	D

NOTE:

1. CHANNEL LINING UTILIZE STAPLE PATTERN "C" WITH ADDITIONAL STAPLES ON SIDE SLOPES AT PROJECTED WATER LINE.
2. STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE RAINFALL.
3. AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO THE BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.

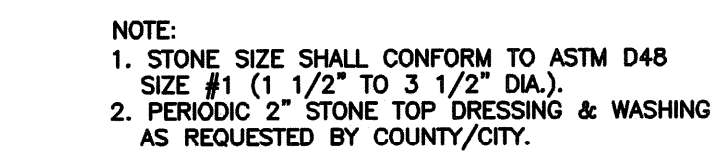


Diagram illustrating the installation of an erosion control blanket (SC-150) for a proposed ditch. The blanket is 15'-0" long and 7'-0" wide. The ditch is 12" deep. The blanket is anchored into a 6" deep x 6" wide trench at both ends. The blanket is secured with staples at 2 per square yard. The ditch has a 4:1 maximum slope. The blanket is labeled SC-150. The diagram also shows the edge of the blanket and the proposed ditch.

EROSION CONTROL BLANKET REQ'D.
NORTH AMERICAN GREEN SC150 OR EQUAL
BLANKET TO BE STAPLED IN PLACE
WITH STAPLES AT 2 PER SQUARE YARD.

EDGE OF BLANKET SHALL
BE ANCHORED IN A 6" DEEP
X 6" WIDE TRENCH.

15'-0"

SC-150

7'-0"

12"

4:1 MAXIMUM SLOPE

PROPOSED DITCH

EDGE OF BLANKET
12" DEEP

VARIES

NO.	DATE	REVISION

Diagram illustrating the installation of an erosion control blanket (SC-150) for a proposed ditch. The blanket is 15'-0" long and 7'-0" wide. The ditch is 12" deep. The blanket is anchored into a 6" deep x 6" wide trench at both ends. The blanket is secured with staples at 2 per square yard. The ditch has a 4:1 maximum slope. The blanket is labeled SC-150. The diagram also shows the edge of the blanket and the proposed ditch.

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SC-150

7'-0"

12"

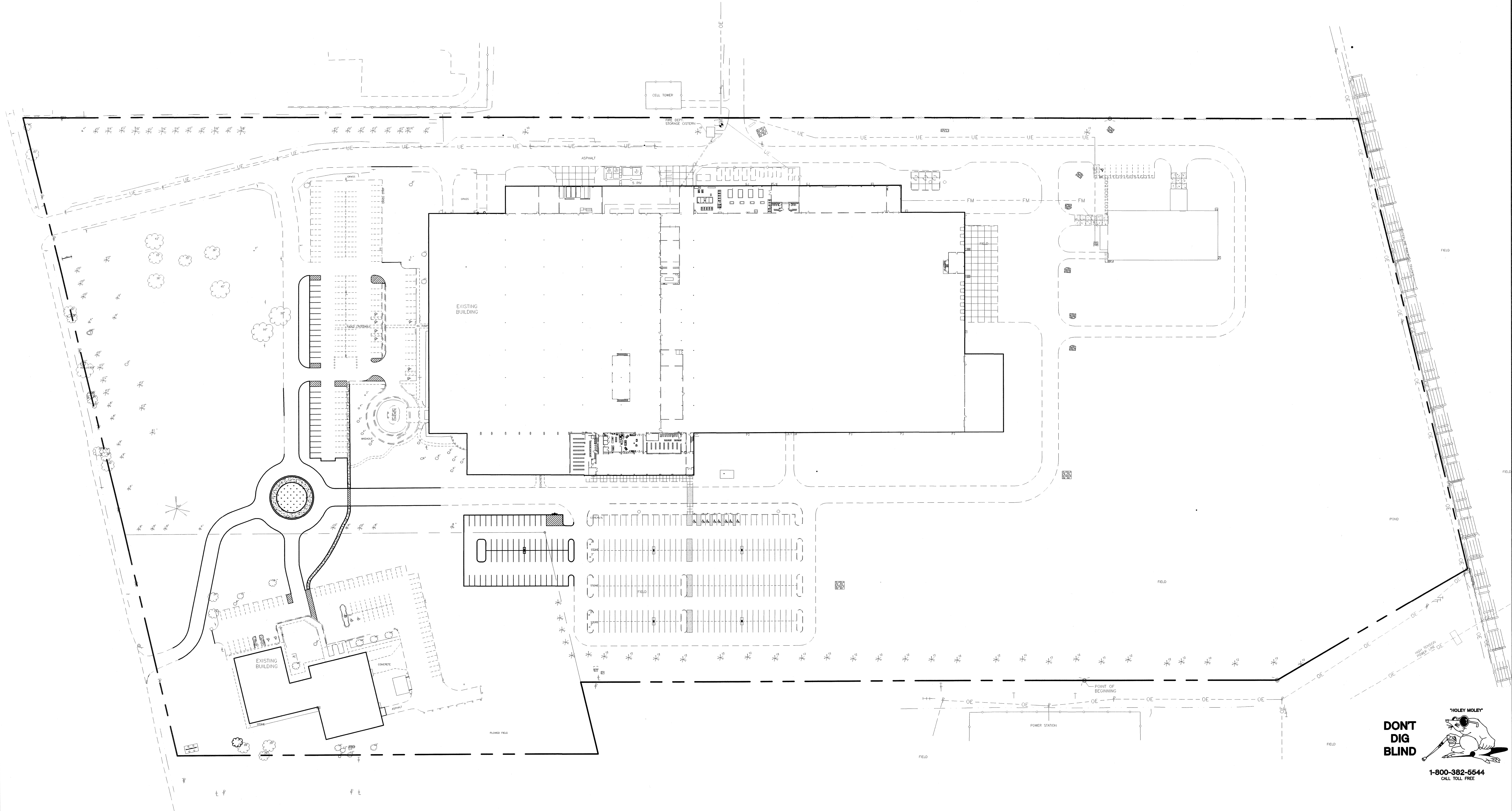
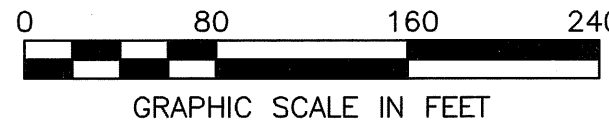
4:1 MAXIMUM SLOPE

PROPOSED DITCH

EDGE OF BLANKET
12" DEEP

VARIES

NO.	DATE	REVISION

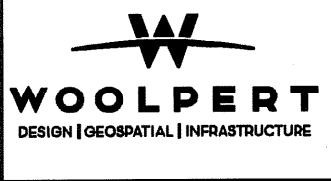


NO.	DATE	REVISION



DRAWING TITLE		OVERALL SITE PLAN		5/16/12
PROJECT NO.	72416	SCALE	1"=80'	DRAWING NO.
DRAWN	RMM	DATE	05/17/24	C700

KYB
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