PRELIMINARY ENGINEERING

GAS STATION

1023 W. MAIN STREET ST. CHARLES, ILLINOIS

PREPARED FOR

SHAHID ALI



DRAWINGS INDEX								
	ON-SITE IMPROVEMENTS	REV	DATE					
CO.1	TITLE SHEET & INDEX	1	1/26/22					
C0.2	EXISTING CONDITIONS & DEMOLITION PLAN	1	1/26/22					
C1.1	SITE PLAN	1	1/26/22					
C2.1	GRADING PLAN	1	1/26/22					
C2.2	STORMWATER POLLUTION PREVENTION PLAN	1	1/26/22					
C2.3	SWPPP SPECIFICATIONS & DETAILS	ō	5/6/21					
C2.4	IL ROUTE 64 CROSS SECTIONS	0	1/26/22					
C3.1	UTILITY PLAN	1	1/26/22					
L-1.0	LANDSCAPE PLAN	1	1/31/22					
SL200	PHOTOMETRIC PLAN	1	2/3/22					
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C7.1	GENERAL NOTES & SPECIFICATIONS SITE & UTILITY DETAILS	0	5/6/21					
C7.2	IDOT DETAILS	1	1/26/22					
C7.3	IDOT DETAILS	0	1/26/22					
C7.5	IDOT DETAILS	0	1/26/22					
77.6	IDOT DETAILS	0	1/26/22					
	······	-i-	كتنتن					
	LATEST REVISION	1	1/26/22					

CONTACTS

City of St. Charles 2 East Main Street St. Charles, IL 60174

<u>Planning Division</u> Russell Colby — Community Development Division Manager

(630) 377-4443

Public Works Peter Suhr – Director (630) 377–4405

Community & Economic Development Rita Tungare — Director (630) 377—443

BENCHMARKS

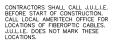
Benchmark #1: Existing cut cross in the middle of the public sidewalk at the Site's NE property corner, 2' north of the site's NE property corner.

Refer to sheet C0.2 for benchmark locations. All benchmark are USGS NAVD88.

DRAINAGE OVERLAY CERTIFICATE

STATE OF ILLINOIS COUNTY OF KANE SS.

062-054950 STATE REGISTRATION NUMBER



WARNING CALL

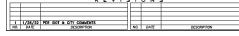
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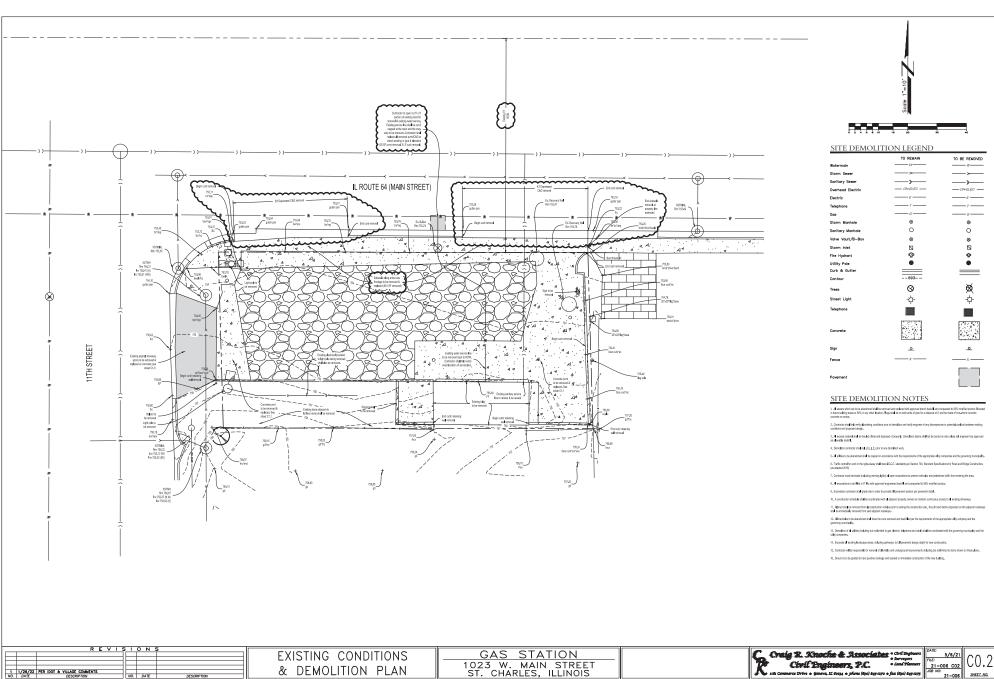
GAS STATION 1023 W. MAIN STREET ST. CHARLES, ILLINOIS



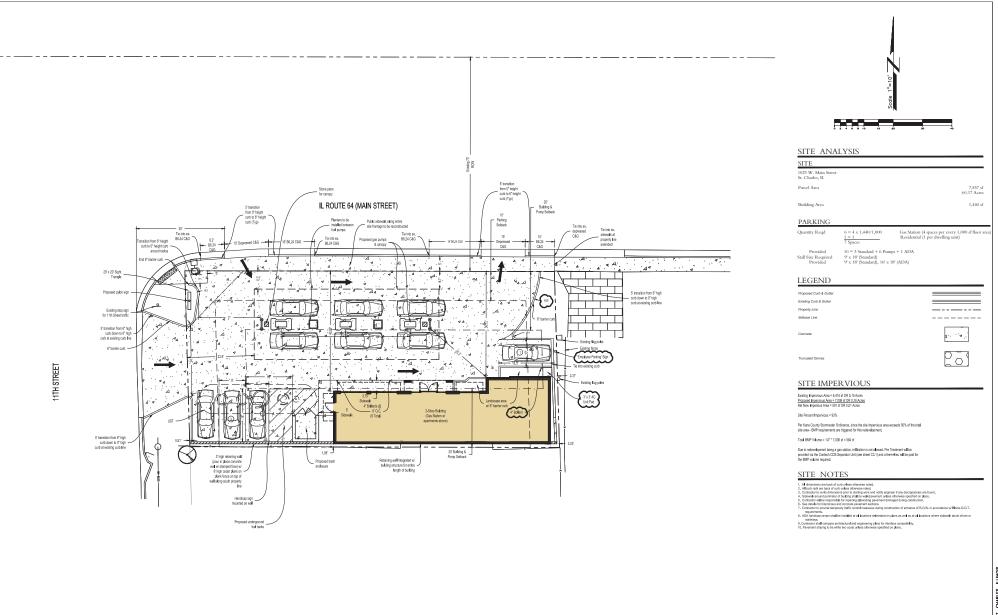
8	Ç	Civil Engineers, P.C.	e Civil Ingineers e Surveyors e Land Planners



& INDEX



ST. CHARLES, ILLINOIS



R E V I S I O N S

SITE

GAS STATION

1023 W. MAIN STREET

ST. CHARLES, ILLINOIS

RECOMMENTS INC. COMMENTS

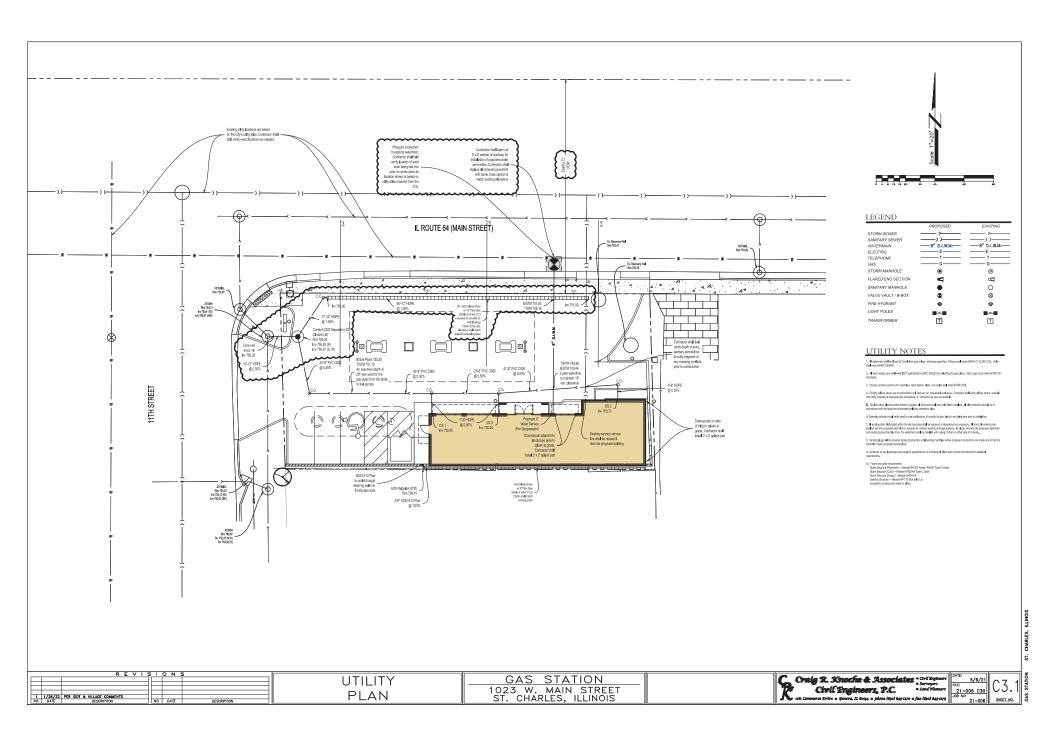
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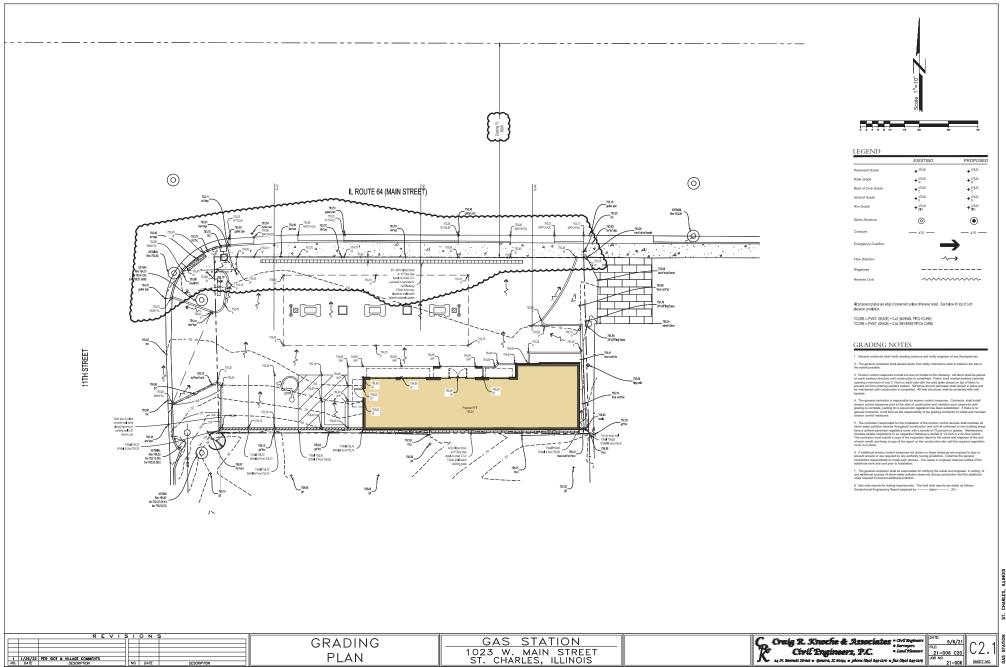
ST. CHARLES, ILLINOIS

C1.1

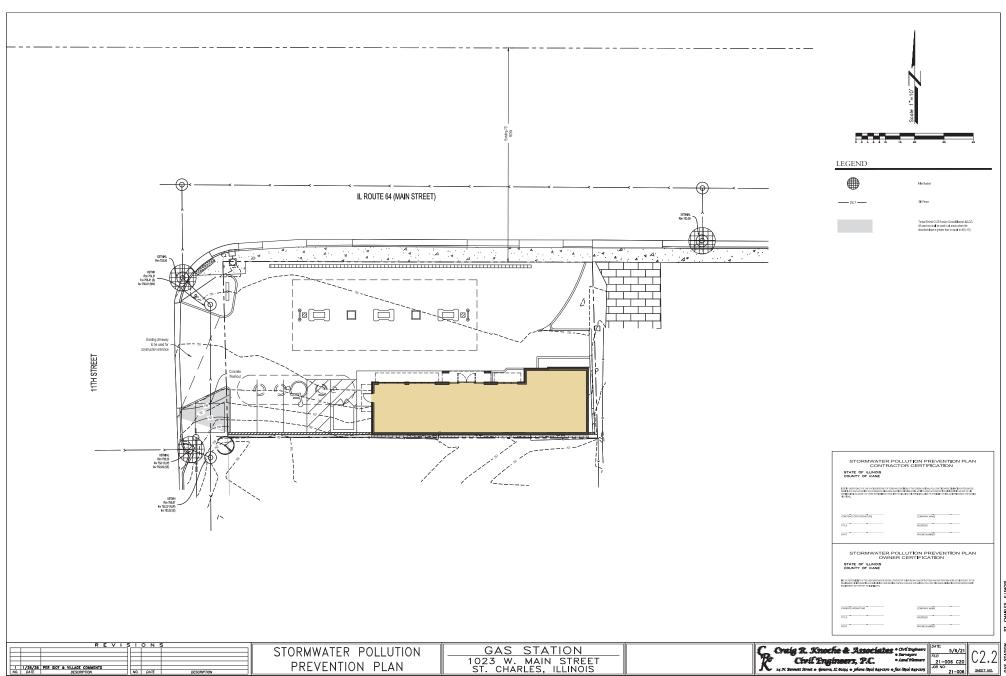
5/6/21

21-006 C10 JOB NO:





PLAN



1023 W. MAIN STREET ST. CHARLES, ILLINOIS

PREVENTION PLAN

1 1/28/28 PER IDOT & VILLAGE COMMENTS
NO. DATE DESCRIPTION

NO. DATE

2. THE COUNTY MUNICIPALITY MUST BE NOTIFIED AT LEAST ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING. THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND FINAL INSPECTION.

A PRISE TO COMMENTED LANCASTITUTES IN AREAS OTHER THAN INDICATED ON THESE FLANS INCLUDING BUT NOT LINETED TO ACKNOWN, PRISESS OF DEVELOPMENT AND OFFERTE BORROWN DERWARDS AREAS, A SEPALIBITION STORM INVEST POLLUTION PRESENTATION PLAY SHALL BE SUBMITTED BY THE OWNER FOR RELIEM BY THE COMMISSIONAL WAS ARRAY OF A PRISESS OF THE STORM OF THE OWNER FOR RELIEM BY THE

6. BROBEN CONTROL MASSIASS INCLUDE BUT ARE NOT LIBITED TO THE FOLLOWING FILET MASSETS SHALL BE FIACED A SHALL REMININER LICE AROUND BLICH STORM STRUCTURE LIVEL CONSTRUCTIVE GCOMPLETER, A BIT FRINCE MOUND PROMERTS SHALL REMININER LICE AND SENTANDOWN LOSS STRUCTURES COMPLETED, ALL THACE STRUCTURES SHALL BE PROTECTED WITH ACS HILLYSTORM OR APPROVED EQUAL FILET MARKETS.

6. THE DOMPHACTOR IS RESPONSIBLE FOR EROBEDMOCNTRICL MEASURES, CONTRACTOR SHALL NOTALL EROSEDM CONTRICL INSERVED FOR TO THE STATE OF LAND DESTREAMS ACTIVITY WIS MANTAIN SUCH MEASURES UNTIL VIGORIATION STANLIZATION STATE COMPARED MORPHIS OF THE TOP AND STANLIZATION STANLIZATION STATE COMPARED AND PROPERTIES OF THE TOP AND THE TOP

The committee of the co

S. F. ALD FIDINAL ESOSIDIN CONTROL MESSARES NOT SHOWN ON THE SECRET DIVINITION OF THE SECRET TO STOP OF FREE DIGIDAN ON ASS REQUESTS OF ANY AUTHORITY HANDS JURISDICTION IT SHALL BE THE CONTROL TORS RESPONDED RESPONDED TO THE SECRET OWNER AND ENGINEER SHALL BE NOT FED OF THE ACCITIONAL WORK AND COST FROM RESPONDED.

S, ANY AND ALL INCIDENTS OF NON-COMPLIANCE MUST BE SUBMITTED TO KAME COUNTY, THE DWINER AND JEPA.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOTHER MIG THE CHINER, EMDINEER AND THE COUNTRIMUNICAPLITY, IN WASTING, OF AM ADDITIONAL SOURCES OF STORM WATER POLLUTION GESERVED DURING CONSTRUCTION AND THE ADDITIONAL COSTS REQUIRED TO PREVENT ADDITIONAL POLLUTION.

11, REFER TO LANDSCAPE PLAN FOR LOCATIONS AND SPECIFICATIONS OF SCOOLING AND SEEDING.

12. STOCKFLES SHALL MOT DICED 21 SLOPES, STOCKFLES REMAINED HIP PLACE LOWER THAN HI DAYS SHALL BE REQUIRED TO HAVE LOCK, 29 SEED INCHROLLED, ALL STOCKFLES SHALL BE ROLFFED WITH SLY FRICE FROM TO FLING OF REPRINSORS SHALL A TEMPORARY SLATION OF SHALL BE INSTALLED AROUND PERMETER OF STOCKFLE WITH SLY FRICE LOCATION ON DOTH SIDES OF 1070-1.

11, ALL ADJACENT STREETS AND ROADWAYS SHALL BE MEPT CLEAR OF DEBRIS, DALY INSPECTIONS AND CLEAVING ARE REQUIRED AS NECESSARY, O. DAMAG SHALL BE DONE WHEN DEBRIS NECESSARY OF AUTHORITIES TO PREVENT HAZARDS TO MEATH OR DEPMANGE UIT, DIES NOLUMEN GUIRE MOUGHTES IN LESS, DICHOSE BYC.

14. STARLIZATION OF DISTURBED AREAS MUST BE INTINITED MITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH LISTINENES ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSELE BUT NOT LATER THAN 14 DAYS FROM THE MINITATION OF THE STARLIZATION MORNING MAN AREA. 15, DURING DEWATERING OPERATIONS, MATER WILL BE PUMPED INTO SECIMENT BASINS OR SLIT TRUPS, DEMATERING ORECIT, FINTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.

IL NEL COLUMNOT THE COMMENTANT HE FOR HETTER SHOTONS HALL ALL CONTRIBUTION IN THE PERFORMANCE OF COMMENCE AND AN INTERVENION OF THE PERFORMANCE OF

17. STOCKPLES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (S) DAYS SHALL BE PURASHED WITH PROGROM AND SECTION TO CONTROL MEASURES (SE, PREMIETER SLT FENCE), STOCKPLES TO REMAIN IN PLACE FOR IN DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

14, COUNLETED SLOPES SHALL BE SEEDED AND MALCHED (OR BLAMSTED) IF APPALLALE) AS THE EXCLUSION PROCESOS. TO THE DITION CONSIDERED DESINALE AND PRACTICAL, PREMAMENT SEEDING SHALL BE USED IMMEDITER POSSIBLE. UNDERN NO INCOMESTINGES SHALL THE CONTINUETOR PROLONG FINAL GRACING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PREMAMENT! SEEDED AT ONE TIME.

18, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL BROSION CONTROL MEASURES NECESSARY TO PROJECT ENGINE AND SEQUENTATION AS DETERMINED BY THE CONTROLLING JURISDICTION.

20.115 THE RESPONSEMENT OF THE SEMERAL CONTINCTOR TO INCOME ANY SUBCONTRACTORS (WHO MAY PREFORM WORK ON THIS PROJECT OF THE RECORDERMENTS IN INFERENCE ON MAYORING THESE EXCONNOCIONED, PLANS AND THE WINDOWN, POLLUTIANT OBJECTANCE EXCHANGE ELIMINATION SYSTEM/APPERS PERMIT REQUIREMENTS SET FORTH BY THE LIMINE DAY.

21. ALL CONTRACTORS AND SUBCONTRACTORS IMPOLVED BITH STORM WHITER POLIUTION PREVENTION SHALL DETANNA COPY OF THE STORM WITER POLIUTION PREVENTION FLAW AND THE STATE OR WATCHARD FOLLUTIANT DECHARGE ELIMANTION SYSTEM GENERAL (PREM) WYGES PREMITY AND BECOME FAMILIES WITH THE POLIUTION OF THE PROPERTY OF THE PROPERTY

22. CONTRACTOR SHALL IMPLEMENT BEST IMMANGEMENT PRACTICES AS REQUIRED BY THE SAPPP, ACCITIZANAL BEST IMMANGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONCIDEND AT MO ADDITIONAL COST OF CHINER THROUGHOUT ALL PRASES BO (CONTRINCTION).

2). BEST MANAGEMENT PRACTICES (BMPS) AND CONTROLS SHALL COMFORM TO PEDERAL, STATE, OR LOCAL PECULIFEMENTS OR MANAGE, OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL MAR EMENT ADDITIONAL CONTROLS AS DESCRED BY PENNITHING ADDITION OF OR MARKE.

24, SWAP PLAN INIST CLEARLY DELINEATE ALL STATE HIATERS AS WELL AS ANY ACTIVITY IMPACTIMO STATE HIATERS OR REGULATED WETLANDS, AUL AREAS HILST BE WANTAINED ON SITE AT ALL TIMES.

25. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARRIANG AND STORAGE AREA HIMON SHALL ALSO BE USED AS THE EQUIPMENT MANTENINKE AND QUENNING AREA, BIPLOYEE PASSING AREA, AND AREA FUR LOCATING PORTABLE FACILITIES, OFFICE TRAILIERS, AND TO LET FACILITIES.

25. ALL WASH WATER (DONORETE TRUCKS, VEHICLE CLEANING, BOLIFMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DEPOSED.

21. RUBBISH, TRASH, GARBINGE LITTER, OR OTHER SUCH IMPERIAL SHALL BE DEPOSITED INTO SEALED CONTAINERS, INSTETIAL SHALL BE PREVISITED FROM LEAVING THE PREVISES THROUGH THE ACTION OR WIND OR STORM WATER DISCHARGE INTO DRUMAGE DITCHES OR WATERS OF THE STATE.

25, STORM MATER POLLUTION PREVENTION MEASURES AS SHOWN ON THIS PLAN ARE TO BE INTRATED IMMEDIATELY AT THE START OF CONSTRUCTION.

IN THE LITTLE OF THE CASE THE PROPERTY OF THE CASE THE CA

31. STALL DUTING OF URTHINGS AREA MARKS, HE MERCHTO MEDICATED ON A CHARMAN OF A CHA

SOIL STABILIZATION NOTES

- TOPSOE, AND VEGETATIVE COVER-STRP TOPSOE AND REMOVE EXISTING VEGETATION. STOCKPLE ON-SITE (FOR REUSE) AT LOCATION DESIGNATED.
- 2. PERMANENT SEEDING INNESTATELY FOLLOWING FINSH GRACING AND TOPSCIL PLACEMENT INSTALL SEEDING OR SCO. IN AREAS AS CESSIONITED ON PLANS.
- PAVED AREAS INSTALL THE AGGREGATE BASE AS SOON AS THE CONSTRUCTION SEQUENCE TO PROVIDE REQUIRED STALLDATON. 4. SLOPE PROTECTION - PROTECT SEEDING ON STEEP SLOPES WITH HILLON, EXCELSION BLANKET, OR EQUAL, EROSION BLANKET SHALL BE REQUIRED ON ALL SLOPES GREATER THAN ARE TOT.
- 5. OHATE LOTI-ATE SIL STOOP LE MODORNOM ROME TO MENT TO SENDING THAT SIN SHE SEN LE EMPLECTED FROM ENCADA MO SIERBONIATION FROUD DE MENSIONET DE SIE SENDICIPATE TRACTICAS STOOMS EN DISSONIN RELLICATION SHULL ENCATE ON THE SIE NAM FOR PRINTITED IN ACCORDANCE WITH ORDERN FEMALE CONTROLLED FROM THE STORT ON THE SITE NAM FOR PRINTITED IN ACCORDANCE WITH ORDERN FEMALE CONTROLLED FROM THE SITE OF THE SITE NAME FOR THE SITE OF THE SITE O
- DUE TO THE ORADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSEDIA AND SEDIMENT CONTRICL MEASURES (SILT PROCES, ETC.) TO PREVENT BROSICIA, AND

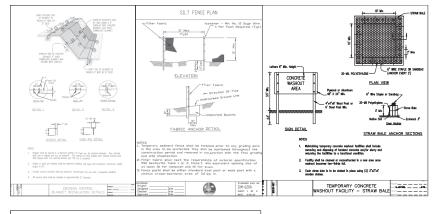
SEDIMENT CONTROL NOTES

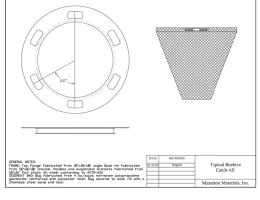
- ADJACENT PROPERTY PROTECT ADJACENT PROPERTY FROM SEDMENT DEPOSITION BY PRESERVING A VEGETATED BUFFER STRIP OR BY SEDMENT BARMERS OR PLITERS AT THE LOWER PROMINETER OF THE LOT.
- 2. SECOMENTATION CONTROL SHALL BE PROVIDED IN ALL AREAS AROUND THE STOCKPILE AREAS.
- STORM SEMBER INLET PROTECTION: "FLEX STORM" OR APPROVED EDUNL INLET BASNETS SHALL BE PLACED IN ALL INLETS AND SLIT FEMDE SHALL BE INSTALLED AROUND EACHINLET.
- THE CHAPTER AT THE CHAPTER PROVIDED PROVIDED THE CHAPTER AND IT THE CH
- 5. SOLLEROS DIVI AND SECUMENTATION CONTROL MEASURES TO BE CHECKED WEEKLY AND AFTER EACH RAIL CLEAN AND RESTORE AS REPORTED.
- ALL MATERIALS SPILLED, OROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED INMEDIATELY.
- DUST ON THE SITE SHALL BE CONTROLLED, THE USE OF MOTOR OLS AND OTHER PETROLEUM BASED OR TORIC
 USUADS FOR DUST SUPPRESSON OF PRATIONS IS PROMERTED.
- REMOVAL OF CONTROL MEASURES-DEPOSE OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WITH 30 DAYS AFTER FINAL SITE STABLIZATION IS ACHEVED.
- ALL WASH WATER (COMDRETE TRUCKS, VEHICLE CLEMING, BOLLPARINT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- LIALESS OTHERWISE INCICATED, ALL VIGGETATIVE AND STRUCTURAL BROOKIN AND SEEMENT CONTROL PRACTICES.
 INLL BE CONSTRUCTED ACCORDING TO VINIOUS STANDARDS AND SPECIFICATIONS IS THE <u>ILL NOSE URBAN WANNA</u>.
 LATEST ECHINA.
- 12. FERS TO COMMENDING LINECESTIMENTS (ACTIVITIES INVESTS OTHER TRANSPORTED ON THESE PLANS INCLUDED BY THY LINETED TO ACTUREN, PRIESS OF ERFOLDMENT AND DIFFERED SHOWN OF MOST MEASUR. SHOWN INCLUDING THE STORY CONTROL PLAN SHALL BE SUMMITTED TO THE OWNER FOR REALISH BY THE SOLL CONSERVATION (STRIPL).
- 15. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL BROSION CONTROL, MEASURES MEDISSARY TO PREVIOUS ERCOLON AND SECULENTATION AS DETERMINED BY THE COVERNING SCIL AND WATER CONSERVATION DISTRICT.
- 14. DURING DEWATERING CPERATIONS, INATER HILL BE PRIMPED INTO SEGMENT BASINS OR SLIT TRAPS, DEHINTERING DRECTLY INTO FIELD TILES OR STORMINATER STRUCTURES IS PROMERTED.
- 15, CONTRACTORS OR SUBCOMPRACTORS INL. SE RESPONSELE FOR REBIDING SEDIMENT IN THE DETERMIDATION AND AND ANY SEDIMENT IN THE METHANG COLLECTED IN THE STORM SENIOR DRIVANGE SYSTEMS IN CONJUNCTION WITH THE STARL DATION OF THE STIFE.
- ILS THE PROMISED PROVIDE OF ALL SIZE, EPICORY MAD DESIGNED CONTROL BURNS (REST MANAGEMENT PROLITICISES IN THE PROPERTY PROVIDED BY THE PROPERTY PROVIDED BY THE PROPERTY REPORTED CONTROL BURNS (THE PROPERTY REPORTED CONTROL BURNS AND REPORT CONFIDENCE OF THE PROPERTY OF
- 18. CONTRACTOR TO KEEP PRIVEWENT OLEAN OF INJU AND DEBRIS USING SWEEPING SCRAPING EQUIPMENT TO BE STORED CHISTS.
- 19, PROVIDE VEHICLE WASHOUT FOR VEHICLES EXTERING THE SITE.

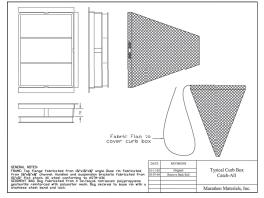
SCHEDULE

- 2 /2 WEEKS TOP SON STREENIG AND MASS GRADING
- 3 (2 WEBS) INSTALL REMANING UNDERGROUND STORMUTH THES AND INLET PROTECTORS.
- 4, 2 WEEKS INSTALL SANITARY WATER GAS ELECTRIC AND TELEPHONE UTILITIES. 5.(1) WEEK) PREPARE AND FINE GRADE SITE.
- 6, (2 WEEKS) INSTALL CURBS AND STONE BASE FOR PAVING.

TYPE TYPE	JAN	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	
PERMANENT SEEDING			-A		K+	-			-	K+			
DORMANT SEEDING			-					18				-	
TEMPORARY SEEDING			*c			-	0		-				
SOCONG			*6-						-				
MULCHING	F	4										-	
A KENTUCKY BLUE MIXED WITH PER 30 LBS/ACRE. A: NATIVE SEEDING	ENNAL RY	RSIACRE SCRASS		D	SPRING C WHEAT O 150 LBSIA SOO	RCEREAL						JUNE AND A TO 3 WEEKS A	LY. FTER APPLYING SO
B KENTUCKY BLUE MIXED WITH PER 45 LBS/ACRE + 2					STRAWM	ULCH 2 TO	NS/ACRE.						
			SC	DIL F	ROT	ECT	ION	CHA	RT				







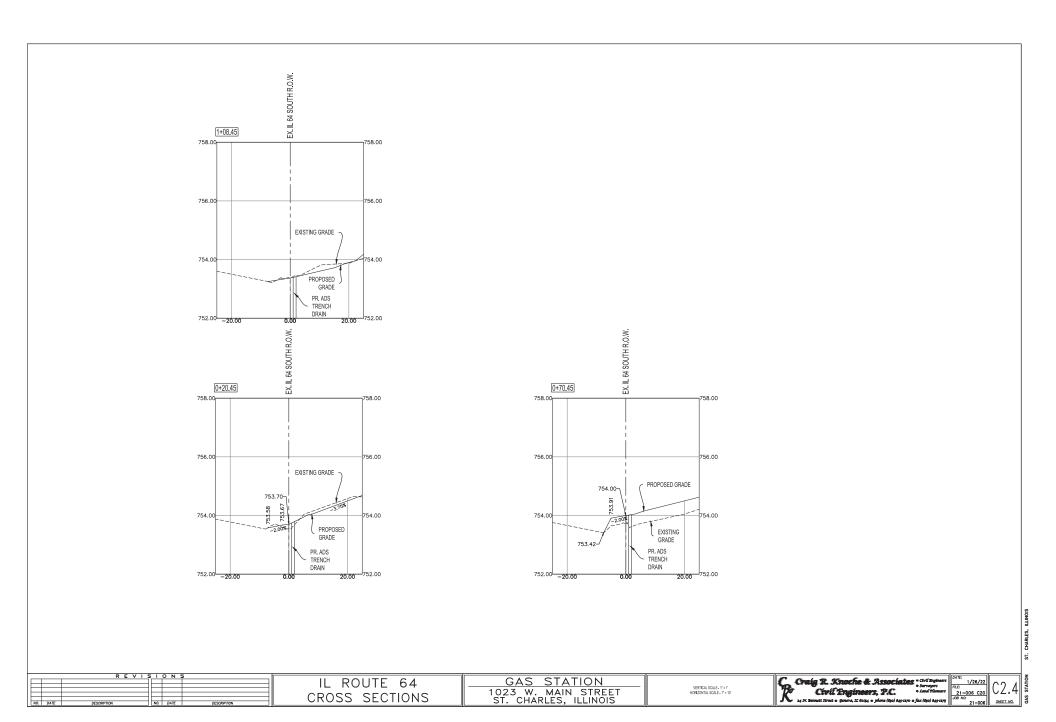
REVISIONS NO. DATE NO. DATE DESCRIPTION DESCRIPTION

SWPPP **DETAILS**

GAS STATION 1023 W. MAIN STREET ST. CHARLES, ILLINOIS Craig R. Knoche & Associates Cott Sugmers
Clock Engineers, P.C. Cand Florens
14 50 Surveys: Genera, 12 Gaze, o Johns (190) 845 2270 o fax (191) 845 2275

5/6/21 21-006 C20 JOB NO: 21-006

C2.3



2. All underground construction shall comply with the requirements of the latest "Standard Specifications for Water and Sewer Main Construction in Illinois", Illinois municipal league, latest edition, except as may be modified by project plans and specifications.

All work shall be in accordance with the standard specifications of the Municipality. Each Contractor shall be provided with the applicable sections of this specification in the bid package.

5. The Municipal building and engineering disportments shall be notified at least two (2) working days prior to start construction. The contractor responsible for notifying all jurisdictional agencies and all utility compones with facilities that may be affected by the preposed construction, and undergrand lines are located, prior to commencing construction.

7. The contractor(s) shall indemnify the owner, the engineer, and the municipality, their agents, etc and illinois Department of Transportation. From all ideality involved with the construction, installation and testing of the work on this project.

the work on this project. & All sets shall comply with the "lilinois Urban Manual." The contractor shall lake shallower arises are necessary to control errollin on the allta. Through could be contracted to desire the concurrence of the contraction of the con

9. The contractor shall be responsible for the compliance with all of the requirements of the occupational safety and health act including those requirements for open cut trenches and sheeting and pracing as required. At no time will the engineer or any of his employees be held libble, either directly or as third party participants to any filtigation concerned with

10. All existing field drivings the encountered or disrept during.

12. Protect benchmark from demange or displacement, and/or considered in the state of the sta

11. Commonwealth Edison, AT&T, NiCor gas, and other utility company conduits are not necessarily shown on the drawings and must be located in the field prior to construction.

12. The contractor shall field verify the existing conditions and notify Craig
R. Knoche & Associates, Chill Engineers P.C. of any discrepancies prior to
submitting a bit.

Contractor will be responsible for repairing all existing povement damaged during construction that is not specified.

14. All concrete used shall be LD.O.T. class S1.

18. Cable routing and specification in accordance with village ordinance.

19. The contractor shall provide the municipality and Oralg R. Knoche & Associates Civil Engineers, P.C. with a complete set of record drawings within 30 days of completion of the work. Drawings shall include elevations, location of other utilities, services, field titles, etc.

20. All property dimensions and areas are approximates and subject to change per final survey.

21. All dimensions are back of curb unless otherwise noted.

22. All curb radii are back of curb unless otherwise noted.

26. All pavement markings shall be painted traffic yellow 4" wide and 2 7. Clean out condult before installation of conductors.

27. Contractor to provide temporary traffic control measures during construction of entrances of R.O.W. in accordance with Ninois D.O.T. Requirements.

30. Notocke Explaenting PC that inch have control or be in detring of and all control explaenting PC that inch have control or be in detring of and all control explaenting procedures or time of performance of the client, the controlled procedure or time of performance of the client, the approved on-site emphasisms.

EARTHWORK NOTES & SPECIFICATIONS

All trenched in green / landscape area shall be backfield with earth compacted to 90%. A minimum of 6"of topsall shall provided in green / landscape areas. Trenches in all praced areas, curbed, and sidewalk area shall be back filled with approved Engineering Backfill compacted as 95% modified Proctor.

3. All landscaping must be restored to its original condition. Replacement of all black dirt, seed, trees, bushes, etc. shall be provided by the contractor and guaranteed for one year following finel inspection by the local governmental agency having jurisdiction. Guarantee shall include repair of trench as settlements as needed to bring thrent to original grade.

4. Existing drainage patterns shall be restored following construction. Positive drainage shall be maintained throughout construction.

All existing utilities or improvements, including walk, curbs, pavements, driveways, and parkways damaged or removed during construction shall be restored to their original condition.

6. See soil report for testing requirements.

7. The contractor is odvised that soil borlings have been performed for this project. Borling logs and the soil report are available from the engineer. This report is dated properly that the project of the project and borlings are not received with the bids soil; it is the bidder preports and borlings are not received with the bids soil; it is the bidder responsibility to obtain and review the soil report and borlings prior to submitting final bids.

sucmirring mai one.

A. After stripping and rough grading is completed, the exposed sub-grade should be proof rolled. Proof rolling may be accomplished with a fully looked, tondem-ande dump truck or other explained providing on equivolent processing the complete providing on equivolent properties.

The properties of the properties of

Protect trees, plant growth, and features designated to remain as landscaping. Construction equipment shall not travel under drip lines of trees to be protected.

12. Protect benchmarks from damage or displacement.

The contractor in accordance with I.D.O.T. standards shall provide all required traffic control and signs.

GENERAL UTILITY NOTES & SPECIFICATIONS

Water and sewer locations taken from drawings by others and must be located in the field by contractor prior to construction, including all elevations of rims and inverts.

GENERAL NOTES FOR SANITARY SEWER CONSTRUCTION

DESIGN STANDARDS

Each single-family lot or each building in other than single-family development shall be served with a separate sanitary sewer service.

3. Manholes are to be provided at each change in direction of flow, change in piec size, change in sizes, change in moterial and at each change in the sizes, change in moterial and at each life. The size of the sizes of the size of th

When connecting to an existing sewer main by means other than an existing "\", "," or an existing manhole, one or the following methods shall be used:

b) Using pipe cutter, neatly and accurately out out desired length of pipe for insertion of proper fitting. Use "Dand-sead" couplings and select rings and clonges to faster the inserted fitting and couplings, and sheer rings and clonges to faster the inserted fitting and opproximately equal to the pipe diameter. Follow manufacturer's recommendations for the installations for the installation of the installation.

(Fig.) Is an arbitrary designation for a product norm; current and constructions are premitted unless any premitte

executions of this and limits.

2. As sever our set moise thereign under, creating order or within to (), lest of evidating or proposed curt & gutter, liberable, or powerment shall be back filled.

3. Valve Vortis and morbities frames and rings shall be set in estimations more in exercise (or equal) bed.

4. All states to buildings shall end 5. fir from the building. All stabe shall be right ingritted for foundation. Certifying high is considered in convertible for morbitishing of the control of the convertible for the convertible of the convertible for the convertible of the

23. See architectural plans for exact building dimensions.

3. Contractor is a simple of the second of all subs with a 4" x 4" and marker

4.4. Contractor in verify dimensions prior to starting suck and notify supposed in all yellow of the second of all subs with a 4" x 4" and marker

4.5. Contractor in verify dimensions prior to starting suck and notify supposed in all yellow of the second of all substances and s

MANHOLE / SEWER PIPE MATERIALS AND INSTALLATION SPECIFICATIONS MATERIALC

1. PIPE & FITTINGS Pipe and fittings u

types of PVC pipe and fittings that shall be used in the City include: PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings (ASTM — SDR

series),
series),
conforming to ASTM Numbers D-1784, D-3034 for SDR 26, D-3212,
F-412, and F-477, and F-477,
ricen Fips Steet (I/RS) Poly(Vnyl, Chloride) Pressure Roted Pipe and
Fittings (ASTM SDR),
series of Fittings (ASTM SDR),
series D-1784, D-2241, D-3139, F-412
and F-477, and Infeg to ASTM Numbers D-1784, D-2241, D-3139, F-412 series), conforming to ASTM Numbers D-1784, D-2241, D-3139, F-412 and F-477, and - Ductile Iron Pipe sized (DIS) Poly(Vinyl Chloride) Pressure Rated Pipe and Fittings (AWWA

Minimu Pipe	m Depth	of		lin	National
Туре	Cover	Plpe #	Thickness	Standards	Stiffness
PSM*	0'-15'	6"-12"	SDR 26	ASTM D-3034	115
IPS 130	0'-15'	6"-36"	SDR 26	ASTM	
				D-2241	
IPS 225	0'-20'	6"-36"	SDR 21	ASTM	
				D-2241	
DIS	0'-30'	6"-12"	DR 18	AWWA C-900	36-
DIS	0'-30'	14"-24"	DR 18	AWWA C-905	364
nic	0'-16'	30"-48"	DP 25	AWWA	140

Sources of Supply: All sources of supply shall be approved by the City.

1, All water service harizontal and vertical separation from sanitary and storm sewers shall be the same as water main separations.

Only coarse aggregates from these sources shall be used on the job unless approval in writing is obtained from the City. LABORATORY TEST

The City reserves the right to require a contractor to submit certified copies of all reports of tests conducted by an independent loboratory before installation of PVC postsci pips. Tests shall be conducted in accordance with Standard Method of Test for Texternal Loading Properties of Plastic Pips by Parallel—Plate Loading.

Pipe shall be constructed so that the internal diameter does not decrease by more than five (5) percent, in order to provide the complete hydraulic carrying capacity, and to obtain the joint performance at five (5) percent maximum diametric deflection.

PIPE INSTALLATION AND FIELD TESTING

Pipe shall be constructed in full compliance with the ASTM Standard Specification D-2321 "Underground Installation of Flexible Thermoplastic Sewer Fibe".

Trench widths should be stable or supported, provide a width sufficient, but no gracies than necessary, it omases working room to properly and safely space between the pipe and french valid must be wide recopy to hand work and place the haunching material. From the trench floor to teeled (12) inches above the for of pipe, the minimum trench side this able to the outside diameter of the pipe plus affecter (19) inches and the maximum trench width shall be the minimum trench width and be the diameter of the pipe plus affecter (19) furches and the maximum trench width and be the diameter of the pipe plus the pipe flust teering from (29) furches.

he des afel is tall on that IT all to uniformly assigned for the entire interpolation of the entire interpolation

Service connections to new moles shall be with a tee/eye fitting with a de branch. Service connections to new moles shall be with a tee/eye fitting with a de branch. Service connections to an existing main shall be with an innert-relative form of titing, to cutting or directly gold and place / regions intall beaching or connections to protect sever main.

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This results of Controlling in ANNA C-900. ARRA C-900, and ASTM

Children and Controlling in ANNA C-900. ARRA C-900, and ASTM

Children and Children an

The cost of all deflection testing shall be borne by the contractor and shall be accomplished by pulling a mandrel, sphere, or pin-type "go / no go" device, with a diameter equal to ninety-five (95) percent of the un-deflected inside aliameter of the flexible pipe, through the pipeline.

The most interpretable controlled and most account of the angle of boot in the angle of boot

2. BECOMO, FAMILYON, AND MINLE BLOCKEL.

Bending meterlar bills to Case II, no collusier in ASTIN 0-3321 and shall be certified by the manufacture and agreemed by the City prior to intelligation, to the foliable glove-certification, to the foliable glove-certification and the foliable glove-certification a

2. Water services shall have a minimum of 5.5 feet of cover from finished

3. Any existing utility structures requiring modifications are to be adjuste (up to 12° total adjustment) by the contractor as part of the contract. Any adjustment of 2° or less shall use preformed rubber adjusting rings, which are 2° or less in thickness.

4. All wher make shall be carrient filted ductile fron pipe, class 52
All where makes shall be carried filted ductile fron pipe, class 52
All where a militimum of 5.5 feet of cover. Water makes shall be encosed in
howe a militimum of 5.5 feet of cover. Water makes shall be encosed in
high pipe filter in accordance with AMMA C-10-2-2. Pittings shall be
part of the cover of the AMMA cover of the cover of th

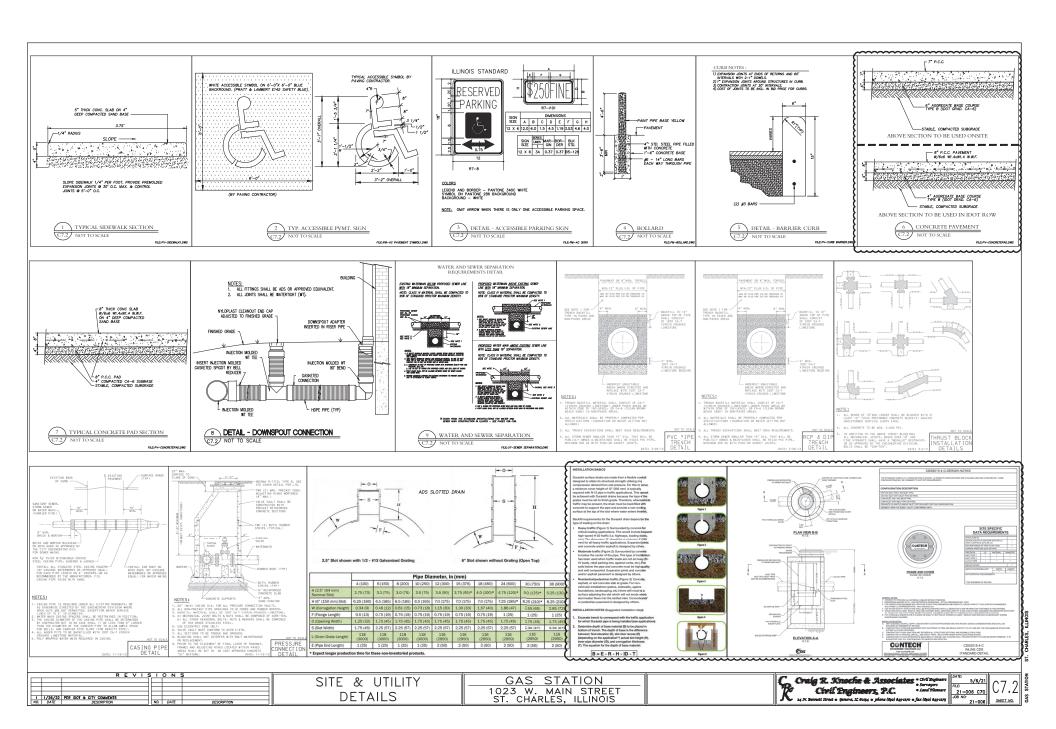
S. All materials shall be wrifted with the local authority. Water services shall be type "X" capper water tube or the size shown on the plans, corporations stop, cur's stop, and service box, ord or erequired by the municipality, and all necessary tobor, tools, equipment, excovations and baci fill, for a complete installation as shown on the plans.

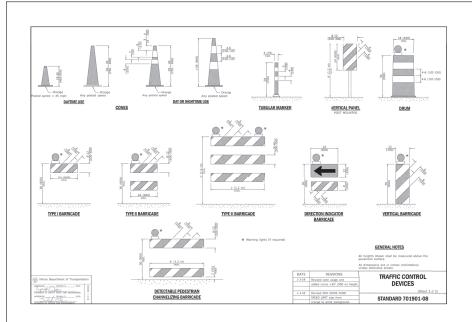
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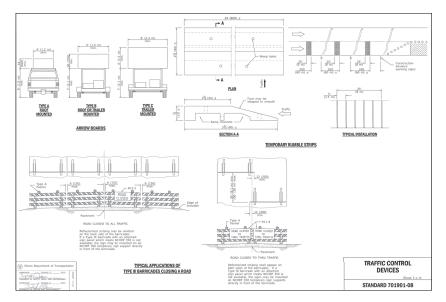
NO. DATE

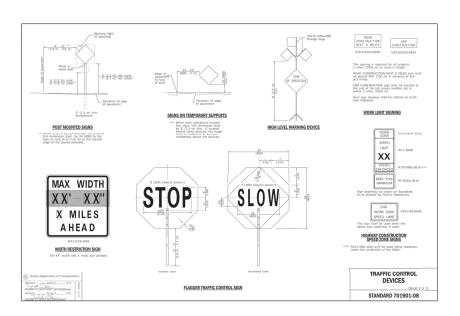
GENERAL NOTES & **SPECIFICATIONS**

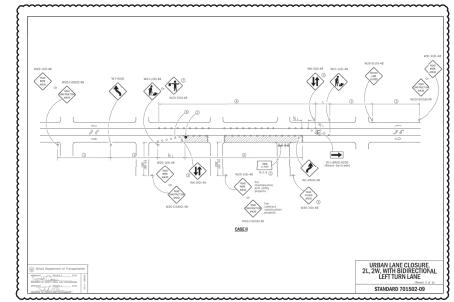
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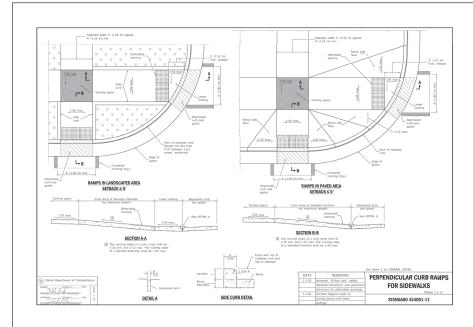


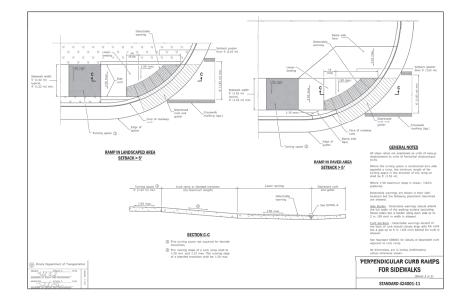
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_ 1_	1/26/22	PER IDOT & VILLAGE C	COMMENTS					
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NO.	DATE	DESCRIP	TION			NO.	DATE	DESCRIPTION

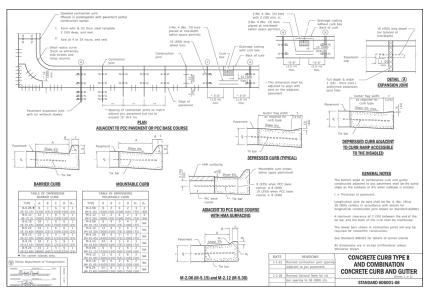
IDOT **DETAILS**

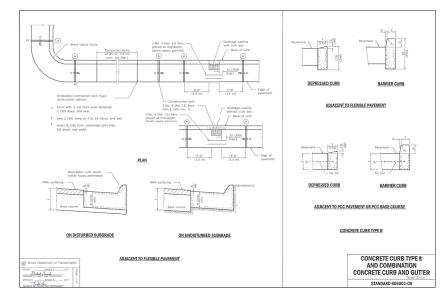
GAS STATION 1023 W. MAIN STREET ST. CHARLES, ILLINOIS Craig R. Knoche & Associates - Civil Ingineers, P.C. - Sand Phonest Mr. N. Smooth Trust a factor of Carte State of Carte State

5/6/21 21-006 C70 JOB NO:









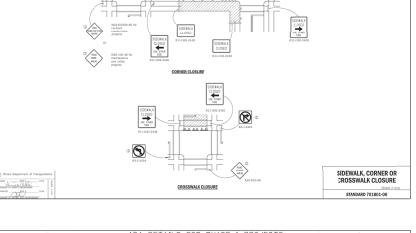
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IDOT **DETAILS**

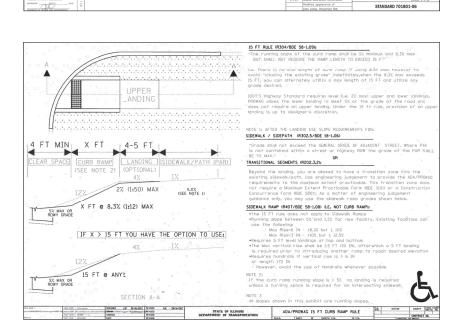
GAS STATION 1023 W. MAIN STREET ST. CHARLES, ILLINOIS Craig R. Knoche & Associates Civi Supum
Civil Engineers, P.C.

1 N. Smooth Street & Garant, P.C. 24 N. Bennett Street & Geneva, IL 60:34 & phone (630) 845-1270 & fax (630) 845-1273

1/26/22 21-006 C70 21-006



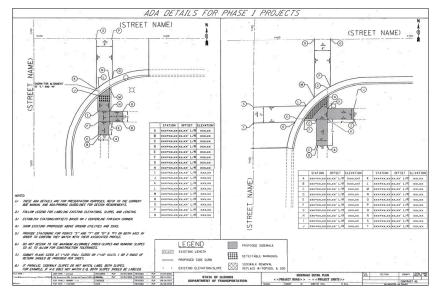
SIDEWALK CLOSED USE OTHER SIDE



1/1 1 1 1 1 Parking space.

SIDEWALK DIVERSION

SIDEWALK CLOSURE



REVISIONS NO. DATE NO. DATE

SYMBOLS Work area Barricade or drur O Cone, drum or barricade Type II barricade Detectable pedestrian channelizing barricade

Amus O.Ki

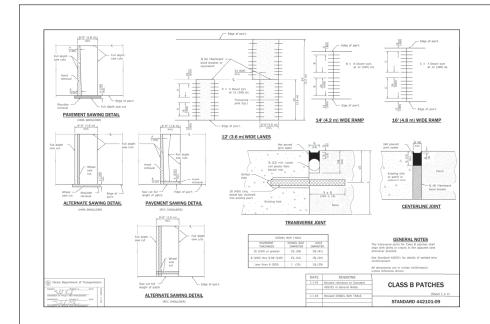
IDOT **DETAILS** GENERAL NOTES

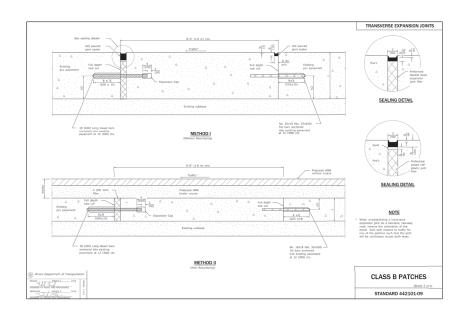
CROSSWALK CLOSURE

GAS STATION 1023 W. MAIN STREET ST. CHARLES, ILLINOIS Craig R. Knoche & Associates Cott Inginery
Civil Progineers, P.C.
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Let X Securit Street & General IL GOIL of John (195) \$45,277 o fax (195) \$45,277

1/26/22 FILE: 21-006 C70 JOB NO: 21-006

C7.5





NO. DATE

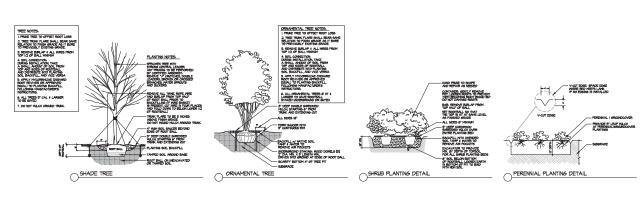
IDOT **DETAILS**

GAS STATION 1023 W. MAIN STREET ST. CHARLES, ILLINOIS Craig R. Knoche & Associates • Chil Ingham
Civil Engineers, P.C. • Land Houser

1 M. Samett Breus • Genera, E. Gogo, Jane (89) 445-279

14 N. Samett Breus • Genera, E. Gogo, o Jane (89) 445-279

1/26/22 FILE: 21-006 C70 JOB NO:



LANDSCAPE NOTES

- In personal, contractor abroads become femiliar with the alse and with scape of work price to the submission of bid proposal and should notify Landscape Action(LL)) and/or common of any discrepancies between the densing a calesting alle conditions.
 Bid Proposal shall show unit prices and quantities for all times shown on this drawing.
 Contractor shall follow and confirm to the Culty of St. Chartes, i.e. building codes.

- Job site safety and means and methods of construction are the responsibility of the Contractor Contractor shall excavate and dispose of excavated materials off site.

- Contacts and the Assemble (injurious) of tensorable injurious) and a result of executing the work which is part of this contract or additional work which may be added to this context at all after dise.

 Site shall be kept clean at all lines and shall be thoroughly cleaned at the error of each working day.

 Diversally a shall be kept clean at all lines and shall be thoroughly cleaned at the error of each working day.

 Diversally shall be kept clean at all lines and shall be thoroughly cleaned at the error of each working day.

 Determine and verify exact locations of all underground utilities in the field before work begins. Call JULIE 1-800-892-0123 (48 hours) before you dig excluding Shallandy, Sundays, and holistics.

- existing Statesys, Sundays, and holdays.

 10. Plants and other materials are quantified and summarized for the convenience of t

- protected from drying and and one sitem to prevent the sall from freezing-unitory protection from the sall from freezing protection because the sall from freezing protection from the sall from freezing changes and sandard.

 Because of the sall freezing freezing from freezing freezi

- 11. Bed Edge. Spate ordge after their metric tisen if no edging is installed.

 12. Bed Edge. Spate ordge after their metric tisen if no edging is installed.

 13. Bed Edge. Spate ordge after their metric tisen if no edging is installed.

 14. Bed Edge. Spate ordge after a class after tisen is a spate ordge and acceptance. LC to water installed plant materia the entire first season. LC shall guarantee all work and plant materia for a minimum of one year, after acceptance by the LA and owner, of completed instructions work.

LANDSCAPE ARCHITECTUR

pamelasel¹

LICENSE # 157,000683

ARCHITECT:

CIVIL ENGINEER

GENERAL CONTRACTOR

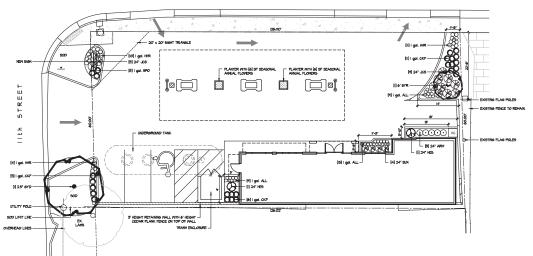
GAS STATION 1023 W. Main Street St. Charles, Illinois

Design by: KWS/PKS Drawn by: KWS Checked by: Start date: 05.03.2021 Project no.

LANDSCAPE PLAN

L-1.0

MAIN STREET/IL 64



LANDSCAPE CALCULATIONS

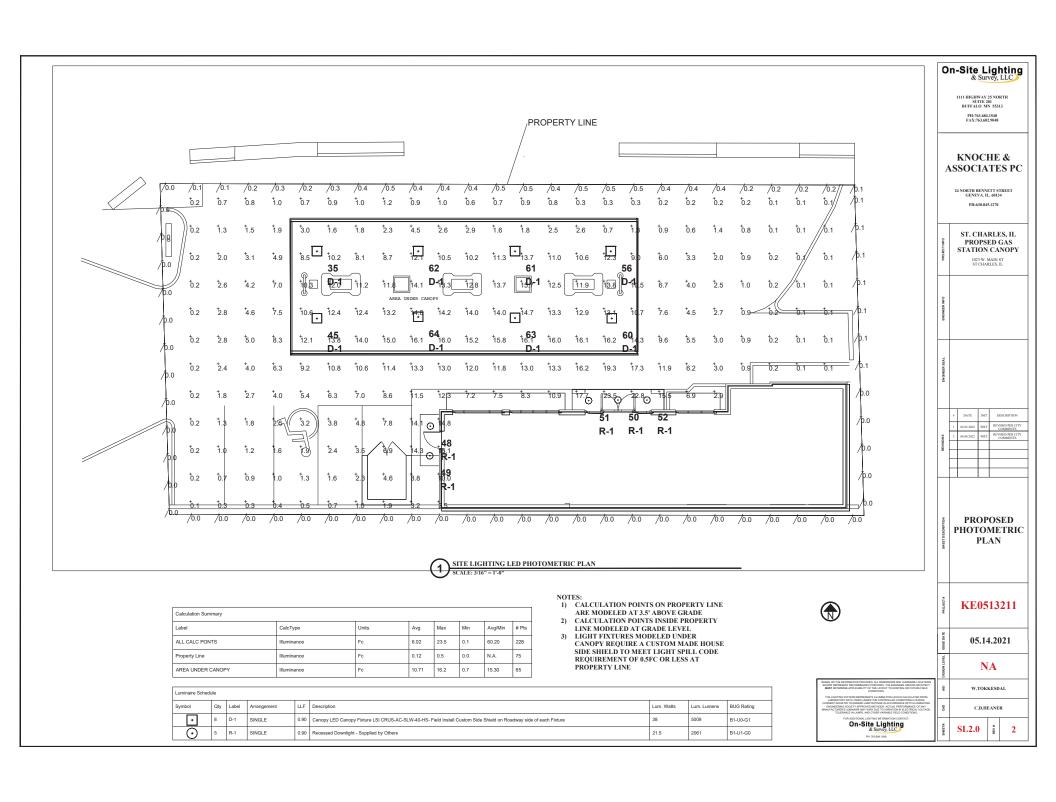
SIL MEN ISST SQ. II.		
	REGURED	PROPOSED
LANDSCAPE AREA	1134 Sq. Ft.	*943 Sq. Ft.
LANDSCAPE AREA - PERCENT OF TOTAL SITE AREA:	15%	5.26
*INCLUDES (2) PLANTERS		

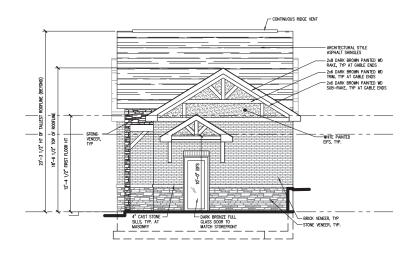
	E TRE				
KEY		SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
GYD	1	25"	Gymnocladus dioicus	Kentucky Coffeetree	Specimen, symmetrical
		L TREE			
KEY	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
SYR	1	9.	Syringa reticulata "vary Silk"	Ivory Silk Japanese Tree Lilac	Specimen, multi-stem
SHRU					
KEY		SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
ARM	5	24"	Aronia melanocarpa UCONNAMI65'	Low Scape Mound Chokeberry	Full branching to groun
BUX	4	24"	Buxus x 'Green Velvet'	Green Velvet Boxwood	Full branching to groun
HES	2	24"	Hydrangea macraphylla 'Ballmer'	Endless Summer Hydrangea	Full branching to groun
JCS	12	24"	Hydrangea macraphylla 'Bailmer' Juniperus chinensis var. sargentii	Sargent Juniper	Full branching to groun
			ORNAMENTAL GRASSES		
KEY	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
ALL.	33	I gal.	Allum 'Millenium'	Millonium Allium	Container
CKF	22	I aal.	Colomograstis acutiflora 'Karl Paerster' Hemerocallis 'Happy Returns'	Feather Reed Grass	Container
HHR	25	I aal.	Hemerocallis 'Hapou Returns'	Happy Returns Daylily Prairie Drapseed	Container
SPO	8	I aal.	Colomogrostis acutiflora 'Karl Foerster' Homerocallis 'Happy Roturns' Sparabolus heterolopis	Prairie Drapseed	Container
	12	95. Ft	.,	Seasonal Annual Floriers	Container

SEE ARCHITECTURAL PLANS FOR PLANTERS, BACKFILL PLANTERS WITH CLEAN TOPSOIL AND SEASONAL ANNUAL PLONERS.

LANDSCAPE PLAN

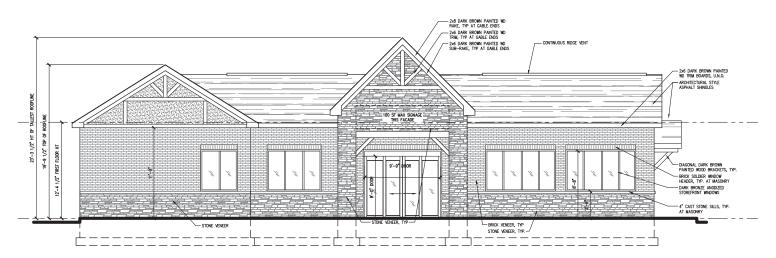
NOT FOR CONSTRUCTION





RIGHT SIDE ELEVATION

SCALE: 1/8" = 1'-0"



FRONT ELEVATION
SCALE: 1/8" = 1'-0"

Preliminary Site Plan
Gas Station

1023 W. Main Street St. Charles, IL 60174 12345678910

BARS WILL MEASURE

IF PRINTED TO SCALE, BOTH

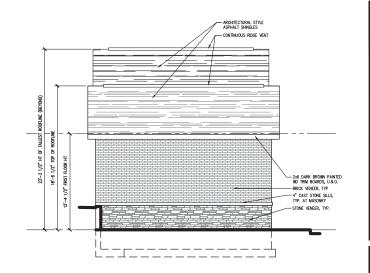
PROFESSIONAL DESIGN FIRM NO. 184 005766

24 N BENNETT ST. GENEV A, IL 60134 PHONE 630 608 0500 FAX 630 839 8875

DRAWN BY: SBD/ERC
DATE: 05-14-2021
REV 1: 11-02-2021
REV 2: 01-26-2022
REV 3:
REV 3:
REV 4:

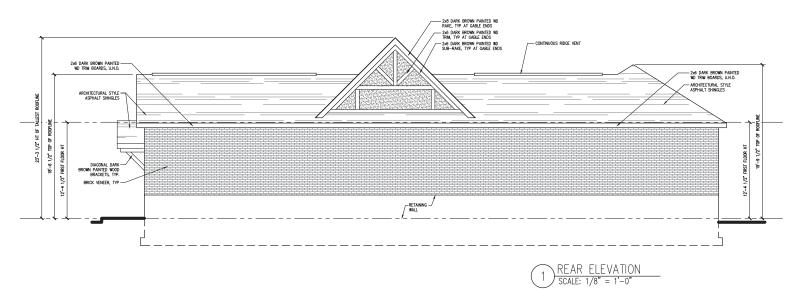
Exterior Elevs SHEET

A-3



LEFT SIDE ELEVATION

SCALE: 1/8" = 1'-0"



Gas Station Preliminary Site Plan

DRAWN BY: SBD/ERC DATE: 05-14-2021 REV 1: 11-02-2021 REV 2: 01-26-2022 REV 3: REV 4:

> **Exterior Elevs** SHEET

> > A-4

1023 W. Main Street

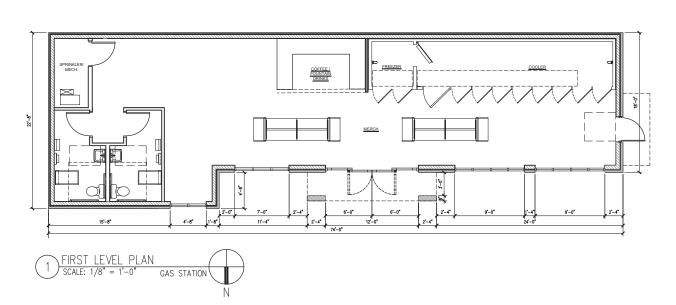
12345678910

IF PRINTED TO SCALE, BOTH THESE BARS WILL MEASURE

St. Charles, IL 60174

PROFESSIONAL DESIGN FIRM NO. 184 005766

24 N BENNETT ST. GENEV A, IL 60134 PHONE 630 608 0500 FAX 630 839 8875





24 N BENNETT ST. GENEVA, IL 60134 PHONE 630 608 0500 FAX 630 839 8875 PROFESSIONAL DESIGN FIRM NO. 184 005766

IF PRINTED TO SCALE, BOTH THESE BARS WILL MEASURE 1"

Preliminary Site Plan
Gas Station

1023 W. Main Street St. Charles, IL 60174

DRAWN BY: SBD/ERC
DATE: 05-14-2021
REV 1: 11-02-2021
REV 2: 01-26-2022
REV 3:
REV 3:

Floor Plans SHEET

A-5

REV 2: 01-26-2022 REV 3: REV 4: Floor Plans

24 N BENNETT ST. GENEVA, IL 60134 PHONE 630 608 0500 FAX 630 839 8875

IF PRINTED TO SCALE, BOTH THESE BARS WILL MEASURE

Gas Station Preliminary Site Plan

1023 W. Main Street St. Charles, IL 60174

DRAWN BY: SBD/ERC
DATE: 05-14-2021
REV 1: 11-02-2021
REV 2: 01-26-2022
REV 3:
REV 4:

RENDER SHEET

A-1

REVISED RENDERED ELEVATION SCALE: NTS

24 N BENNETT ST. GENEVA, IL 60134 PHONE 630 608 0500 FAX 630 839 8875

Gas Station Preliminary Site Plan

1023 W. Main Street St. Charles, IL 60174

IF PRINTED TO SCALE, BOTH THESE BARS WILL MEASURE

DRAWN BY: SBD/ERC
DATE: 05-14-2021
REV 1: 11-02-2021
REV 2: 01-26-2022
REV 3:
REV 4:

RENDER

SHEET

A-2

REVISED RENDERED ELEVATION W/ CANOPY SCALE: NTS