COUNCIL WORKSHOP ITEM

ITEM: VILLAGE OF DOWNERS GROVE PARKING FACILITY
PROJECT #14-00
DATE: May 13, 2004
PREPARED BY: David H. Barber, P.E., Director of Public Works
Michael D. Millette, P.E., Assistant Director of Public Works, Eng.
Brian Parks, Senior Engineer, Public Works
PURPOSE: To authorize execution of contract Change Orders #8, 9, 10, & 11 for the Village of Downers Grove Parking Facility,
Project #14-00

DISCUSSION:

Change Order No. 8 provides for a fire protection system including a fire pump, as required by the Downers Grove Fire Prevention Bureau. As written, it constitutes approval of Turner's Change Order Request (C.O.R.) No. 028, based on Construction Change Directive (C.C.D.) No. 046 and Proposal Request No. 005. The project architect from Desman and the Manager from General Energy Corporation (GEC) both reviewed Turner's first version of C.O.R. No. 028 and returned comments, which were then transmitted to Turner. See attached e-mails. These comments are addressed in the C.O.R. 028 dated May 1, 2004. Staff discussed the responses and the additional cost for re-design of the system with the Owner's Representative, Benesch, and agreed that they were reasonable. Mark-ups were then checked by Benesch and found to be within the Contract Specifications. Change Order Cost = $53,745.00

Change Order No. 9 includes five (5) items, A through E, as follows:

Item A deletes security system conduit from Turner's contract. This was necessary because the same work was included in Advent's contract. As written, it constitutes approval of Turner's C.O.R. No. 029, based on C.C.D. No. 028. Desman reviewed Turner's C.O.R. No. 029 and responded that the cost is reasonable. See attached letter. Mark-ups were then checked by Benesch and found to be within the Contract Specifications.
Change Order Cost = ($35,038.00)

Item B provides for electrical boxes and sleeves to be embedded in precast panels for mounting exterior lighting fixtures and security cameras as discussed among the Village, Staff, and Architect/Engineer representatives. As written, it constitutes approval of Turner's C.O.R. No. 030, based on C.C.D.'s 033 and 037, Proposal Request 002 and Request for Information (R.F.I.) No. 151. Desman reviewed Turner's C.O.R. No. 030 and responded that the cost is reasonable. See attached letter. Mark-ups were then checked by Benesch and found to be within the Contract Specifications.
Change Order Cost = $2,976.00

Item C provides for payment, by contract unit prices, for removal of unsuitable soil discovered beneath the northeast corner of the Parking Deck. As written, it constitutes approval of Turner's C.O.R. No. 027, based on C.C.D. No. 027. Gary Goodheart of Versar has reviewed Turner's C.O.R. No. 027 and responded that the cost is reasonable. See attached letter. Mark-ups were then checked by Benesch and found to be within the Contract Specifications.
Change Order Cost = $36,079.00

Item D provides for lighting fixtures to be mounted on the exterior of the building as discussed among the Village, Staff, and Architect/Engineer representatives. As written, it constitutes approval of Turner's C.O.R. No. 031, based on C.C.D. No. 043 and Proposal Request 003. Desman reviewed Turner's C.O.R. No. 031 and responded that the cost is reasonable. See attached letter. Mark-ups were then checked by Benesch and found to be within the Contract Specifications.
Change Order Cost = $25,260.00

Item E provides for infill masonry walls, not shown in the Issued for Construction plans, to enclose the Sprinkler and Storage Rooms. As written, it constitutes approval of Turner's C.O.R. No. 034, based on C.C.D. No. 036 and R.F.I. No. 143. Desman reviewed Turner's C.O.R. No. 034 and responded that the cost is reasonable. See attached letter. Mark-ups were then checked by Benesch and found to be within the Contract Specifications.
Change Order Cost = $9,638.00

Change Order No. 10 includes two items, A and B, as follows:

Item A provides for water supply to an irrigation line on the west side of the project and deletes an irrigation line on the north side that Village Staff determined to be unnecessary. As written, it constitutes approval of Turner's C.O.R. No. 032, based on C.C.D. No. 021. Village Staff reviewed Turner's C.O.R. No. 032 and responded that the cost is reasonable. See attached e-mail. Mark-ups were then checked by Benesch and found to be within the Contract Specifications.
Change Order Cost = $7,121.00

Item B provides standard Village specifications for structural soil, pipe underdrains and fabric-lined trench that pertain to the trees to be planted in the sidewalk per plan. As written, it constitutes approval of Turner's C.O.R. No. 035, based on C.C.D. No. 030, except that the requested 3 days time extension was waived by Turner. Village Staff reviewed Turner's C.O.R. No. 035 and responded that the cost is reasonable. See attached e-mail. Mark-ups were then checked by Benesch and found to be within the Contract Specifications.
Change Order Cost = $21,502.00

Change Order No. 11 concerns corrective work that must be done to the first intermediate landing in Stair No. 1. The landing was constructed according to the plans, but the plans did not allow for adequate overhead clearance. As written, this change order constitutes approval of Turner's C.O.R. No. 038, based on C.C.D. No. 055, except that the requested 6 days time extension was waived by Turner. Desman reviewed Turner's C.O.R. No. 038 and responded that the cost is reasonable. See attached letter. Mark-ups were then checked by Benesch and found to be within the Contract Specifications.
Change Order Cost = $7,147.00

ATTACHMENTS:
Change Orders No. 8, 9, 10, & 11

RECOMMENDATION:
Staff recommends authorization and execution of contract Change Orders #8, 9, 10, & 11 for the Village of Downers Grove Parking Facility in the amount of $128,430.00 on the May 25, 2004 Workshop Agenda.
Funding for these Change Orders is in the TIF Fund, account # 107.541.0000.5805.

VILLAGE OF DOWNERS GROVE
PARKING FACILITY

Project No. 14-00

Change Order No. 008 *DRAFT*

Date: 4 May 2004

Subject: Fire Pump

Reference: COR No. 028 CCD No. 046 Proposal Request No. 005

The following is hereby agreed upon as a change in the Agreement between the Village of Downers Grove and Turner Construction Company for construction of the Village of Downers Grove Parking Facility, as provided for in Article 7.2 of the General Conditions of the Contract:

Description of Change in the Work:

Provide and install a fire protection system including a fire pump as detailed in the attached Proposal Request No. 005 and in the three drawings, FP-001a, E-100 and E-301, dated 15 and 24 March 2004, and Specification Section 15320, issued with Construction Change Directive 046, with the following exceptions:

1. Aurora vertical in-line fire pump, model 4-383-7B, with 500 gpm, 55 psi and 25-hp motor has been approved and is recommended.
2. Concrete encasement shall not be required for the conduit between the generator and the fire pump.

Reason for Change in the Work:

A fire pump was not included in the plans issued for construction, based on preliminary design calculations. However, the requirements of the Downers Grove Fire Prevention Bureau call for a fire pump.

Construction Schedule Adjustment:

Calendar days added or subtracted (+ or -): **0**
Revised date of substantial completion: _____

Construction Cost Adjustment:

Cost or credit amount (+ or -): **$53,745.00**
Revised amount * of Contract Sum: **$11,918,394.00**

* May not include adjustments for all other pending or recently signed Change Orders.

_____
Village of Downer's Grove Representative Position Date

_____
Turner Construction Company Representative Position Date

Sara Davis

From: Sara Davis [sdavis@benesch.com]
Sent: Tuesday, May 04, 2004 11:02 AM
To: Bert Austin
Cc: Romy Manabat; Mike Millette; David Barber; Brian Parks
Subject: Fire Pump Change Order Discussion

Bert,

Just a note to reiterate the main points of our conversation on fire pump cost-related items.

1. The 1" RGS conduit currently in place for wiring between the fire pump and the generator is adequate.

2. The above conduit need not be concrete encased because it is at least 4'-0" below the top of slab on grade in traffic areas.

3. Mayer's cost estimate is acceptable - slightly high per your references, but we acknowledged that material costs are rising steeply, as Mayer claims. I stated that the Village's dealings with Mayer to date indicate that they are generally fair and reasonable and you agreed that should be a factor.

4. Location of the automatic transfer switch should not be in the generator area or the electrical room, but the outside of the north wall of the electrical room might be a good location. I will discuss with Architect and Owner before final determination is made.

5. Specs of the new generator will be copied to you when I receive them. You suggested that the Village should be able to negotiate a very low return charge for the first generator ordered since the Village is purchasing a new one from the same manufacturer.

Thanks for your help.

Sara L. Davis, PE, SE
Alfred Benesch & Company, Owner's Representative
Village of Downers Grove Parking Deck Construction

Field Office:
5202 Washington Street, Office 9
Downers Grove, Illinois 60515
Phone: 630-434-6895
Fax: 630-434-6896
Cell: 773-908-5029
E-mail: sdavis@benesch.com

Sara Davis

From: Sara Davis [sdavis@benesch.com]
Sent: Friday, April 16, 2004 3:57 PM
To: Mel Cramm
Cc: Mike Millette; David Barber; Brian Parks
Subject: COR 028 - Plan Revision - Fire Pump

Mel,

Please review the following comments on COR 028 re fire pump plan revisions and revise and re-submit accordingly:

1. Provide a credit for use of smaller sprinkler pipes than were required per original design (without a fire pump).

2. The Electrical Engineer recommends that all fire pump feeder conduits, both primary and back-up, should be concrete encased where they run under roadways, including the interior of the parking deck. Include, as an option, the cost of additional concrete encasement to reflect the above.

3. Use of a vertical fire pump, per submittal from River City, has been verbally approved. Revise the cost estimate to reflect the savings associated with a vertical fire pump and re-submit appropriate shop drawings.

4. The Electrical Engineer believes the electrical costs may be 10% or so high. Please review them and revise where possible.

Sara L. Davis, PE, SE
Alfred Benesch & Company, Owner's Representative
Village of Downers Grove Parking Deck Construction

Field Office:
5202 Washington Street, Office 9
Downers Grove, Illinois 60515
Phone: 630-434-6895
Fax: 630-434-6896
Cell: 773-908-5029
E-mail: sdavis@benesch.com

Sara Davis

From: Manabat, Romy [rmanabat@desman.com]
Sent: Friday, April 16, 2004 10:55 AM
To: Sara Davis (Sara Davis)
Cc: Bert Austin (Bert Austin); Fernando Tongsy (Fernando Tongsy)
Subject: FW: VDG Parking Facility Fire Pump

COR 028

Sara,

Insist on sprinkler pipe's credit. We are talking on a lot of pipes. I thought I have requested this on the break out of cost in my latest proposal request (CCD No. 046).

Romy

-----Original Message-----
From: Bert Austin [mailto:BertA@gecchicago.com]
Sent: Friday, April 16, 2004 9:57 AM
To: Manabat, Romy
Cc: Fernando Tongsy
Subject: VDG Parking Facility Fire Pump

Romy,
We have reviewed the change order information you sent & generally find the pricing to be as expected. I believe the electrical may be 10% or so high, and am concerned that the contractor does not intend to provide concrete encasement of the fire pump feeders under the garage roadways. ComEd standards call for concrete encasement of conduit at 30" depth under roadways. NEC does not require concrete encasement, although we think it will provide a better quality installation at minimal additional cost.

We also noted that using the fire pump results in a smaller size sprinkler pipe, but no pipe credit is listed.

Bert

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

Saturday, May 01, 2004

Ms. Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515

RE: Downers Grove Parking Deck
945 Curtiss St. Downers Grove. IL 60515
Project #: 9252
Change Order Request Number 028 – Revised

Dear Ms. Davis,

We have finalized the required quotations for PCO number **072** for the following extra work **CCD No. 046: Plan Revision, Fire Pump**. We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. The following is a detailed itemization of all extra costs:

Item	Description	Amount Proposed	Contractor
002	CCD No.046: Fire protection plan revision due to inclusion of a fire pump	$18,886.00	MAYELE
003	Turner Overhead & Profit - 5.0%	$2,386.00	TURCON
004	CCIP Workmen Comp - 3.35%	$1,598.00	TURCON
005	CCIP Liability - 1.55%	$740.00	TURCON
006	SubGuard - Bond - 1.0%	$477.00	TURCON
007	Turner Bond - 0.75%	$353.00	TURCON
008	CCIP & Bond Markup - 15%	$475.00	TURCON
001	CCD No.046: Fire protection plan revision due to inclusion of a fire pump	$28,830.00	RIVCIT

Total Amount **$53,745.00**

We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. See the attached for a detailed breakdown of the costs included in this Change Order Request.

RECEIVED
MAY 03 2004
BY:

Regarding the four issues raised on an email sent April 16th, we offer the following response,

1. As outlined in River City Fire Protection's letter, a credit for the smaller pipe cannot be made due to the substantial increase in pipe since the job started.
2. As outlined in Mayer Electrical's letter, an additional sum of $2,650 has been allocated for encasing the fire pump feeder conduits (both primary and back-up) with concrete.
3. River City Fire Protection indicates that there is no cost difference between a horizontal and vertical Fire pump.
4. Mayer Electrical has indicated through conversation, that the high cost is due to material price increases in todays market.

Note - The increase in price for this COR is for redesigning the Fire Protection system. This was omitted by River City Fire Protection when it was first submitted.

This change has caused a schedule impact to the project. Documentation for this delay will be fordwarded once completed. Expediting approval of this COR will help to minimize this delay. If you have any questions regarding this Change Order Request, please call me at your earliest convenience.

Please return one (1) copy of this letter indicating your approval of this Turner Change Order which increases our Contract by Fifty three thousand seven hundred forty five and 00/100 ($53,745.00). This approval will also authorize us to issue Subcontract Change Orders.

Sincerely,

Pat Donovan
Project Superintendent

Approved By: _____ Date: _____

Sara Davis
Project Manager

cc: File

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

Tuesday, March 23, 2004

Mr. Herschel Luckinbill
River City Fire Protection, Inc.
361 Cleveland Ave.
Aurora, IL 60538

RE: Downers Grove Parking Deck
945 Curtiss St. Downers Grove, IL 60515
Project #: 8252
RFP for PCO # 072

Dear Mr. Luckinbill,

Enclosed are the documents associated with PCO #(072):

Please provide a detailed estimate referencing PCO #072 for the following general description, "CCD No. 046: Plan Revision, Fire Pump". The scope of work upon which to base your quotation includes: CCD No. 046: Fire protection plan revision due to inclusion of a fire pump. Provide a full labor, material and equipment estimate indicating all quantities broken down into credits and adds. Substantiate any schedule impact associated with the change. Please provide a written quotation by 3/28/2004.

Please note that the plans and specifications related to this PCO No. 072 (CD No. 046) were previously transmitted to Phil Morales of River City Fire Protection to expedite the redesign / resubmittal / pricing.

REDESIGN $ 3059.76 (44 hrs @ $69.54)

Cost Breakdown:

Labor:	$ 6198.00	Labor Hours: 94 hrs.
Equipment:	$ 12419.00	= 17,019.00
Material:	$ 4600.00	
Subtotal:	$ 26,276.76	x .15 = 2553.00
OH & P:	$ 2553.00	

Total: $ 28,829.76

If you have any questions or require any further assistance, please don't hesitate to call me.

Sincerely,

Mel Cramm
Project Manager

cc: PCO #072

Building the Future

RIVER CITY FIRE PROTECTION INC.

361 Cleveland Ave. Aurora, IL 60538 630/906-9744 630/906-7370

April 28, 2004

Mel Cramm
Turner Construction

RE: Downer's Grove Parking Facility – PCO # 072 - CCD # 046

Dear Mel:

In response to letter from Sara Davis please find answers to statement #1 and statement #3.

#1. The credit for using smaller pipe because of installing a fire pump has been more than eaten up by pipe cost increases since this job was bid. In August 2003 we were paying $3.05 for 3" galvanized pipe and $2.09 for 11/2" galvanized pipe. April 15, 2004 we were paying $5.28 for 3" galvanized pipe and $3.28 for 1 ½" pipe with another 15% increase to take effect on May 1st, 2004.

#3. There is no change in cost between a horizontal split case fire pump and a vertical fire pump per quotes we received from A S C Pump in Aurora, IL. The vertical fire pump is used to save space in pump room.

Additional cost for re-designing system is $ 3,059.76 (44 hours @ $69.54 per hour.)

We hope this is the information you need.

If you have questions or need more information please contact me. We thank you for the opportunity of quoting this project.

Sincerely,

Herschel Luckinbill

Herschel Luckinbill
President

MAYER ELECTRICAL CONTRACTING, INC.

P.O. BOX 8113
BARTLETT, IL 60103

Telephone: 630-289-0200 Facsimile: 630-289-6432

April 21, 2004

Turner Construction Company
945 Curtiss Street
Downers Grove, IL 60515
Attn: Mel Cramm

RE: Downers Grove Parking Facility

Dear Mel,

RE: CCD-046
FIRE PUMP FEEDERS

Description of change(s): Install 1" RGS with 3 #6, 1 #10G from ATS location to Fire Pump controller and install 1" RGS with 3 #6, 1 #10G from CECO utility pad to fire pump controller, encase raceway with concrete outside building, run conduit under grade beams inside building non-encased as outlined. Wire Fire Pump controller "by others" to fire pump motor and interface with fire alarm system.
Note: We have included an exterior meter fitting for fire pump feeder. We will provide wiring associated with the installation of 100 KW natural gas generator based on information provided. SEE ATTACHED E-MAIL DATED 3/22/04.

Detail of change(s):

Drawing Sheet references: A
S
M
E E-100, E-301, FP-001A
P

Cost Breakdown:

• Labor:	$	7,789.00	Labor Hours: 140 hrs
• Equipment:	$	2,300.00	Combination machine w/operator 16 hrs x 125/hr & mobilization of $300.00
• Material:	$	2,100.00	1"RGS w/3 #6, 1 #10G @ $3.50/ft x 600 ft.
	$	1,100.00	Concrete encasement 11 yards @ 100/yd
	$	750.00	Fire Alarm monitoring relays
	$	650.00	1 ½" RGS w/ 3 #1/0, 1 #6G @ 6.50 ft. x 100'
	$	800.00	Spoil removal
	$	1,200.00	CA7 stone backfill

Subtotal:	**$ 16,698.00**
• OH & P:	$ 2,197.00
Total:	**$ 18,886.00**

1) Receive and set 100 KW Generator "equipment pad and gas service by others"
ADD $2,500.00

2) Furnish and install 200 AMP 480 Volt 3 phase 4 wire A.T.S.
ADD $4,700.00

3) Excavate and remove spoils off site for secondary feeders, encase feeder and return slab on grade to grade.
Add $2,650.00

VM/gm
Tcc2.file

Clarification of E-mail attached to COR No. 028.

Per a phone conversation between Brian Parks of the Village, Mayer Electric and Turner, it was agreed that Mayer should base their price for CCD No. 046 on the size generator noted in the attached E-mail – 100 kw – vs the 200 kw indicated in the CCD.

Additionally, the Automatic Transfer Switch (ATS) is priced separately, as Mayer does not know if it will come with the generator.

The generator will be furnished and installed by the Village under a separate contract.

Cramm, Melvin D - (CHI)

From: Doherty, John W - (ARH)
Sent: Monday, March 22, 2004 11:27 AM
To: Sara Davis (E-mail)
Cc: Cramm, Melvin D - (CHI)
Subject: FW: New but now no longer needed Generator

Sara,

FYI, not sure on the pricing, lets see if it will work.

John W. Doherty
Sr. Project Manager
Suburban Operations Group
Arlington Heights, IL
Direct Line: 312-327-2968
Fax: 847-228-0056

-----Original Message-----
From: Wilson, William R - (ARH)
Sent: Monday, March 22, 2004 11:01 AM
To: Doherty, John W - (ARH)
Subject: FW: New but now no longer needed Generator

John, the information on the generator are listed below. If this matches your requirements, I can probably negotiate a ver good price for you.

Bill Wilson
Senior Project Manager
Turner Construction Company
Office (312) 327-2038
Cell (847) 922-1785

The specs are as follows:

Manufacturer: Cummins Power Generation

Model: GGHH 60 Hz Series commercial generator for stationary standby power applications

Fuel System: Natural Gas - 100 kW, 125 kVA Standby

Engine: 120/240 V, 1500 W coolant heaters with exhaust
104 degrees F (40 degrees C) ambient radiator cooling system

Alternator: 125 degrees C rise alternator

120/240 V, 100 W anti-condensation heater
Upper broad range
Direct drive centrifugal blower for cooling
Three Phase, 277/480 Output Voltage

The standard excitation system is a self (shunt) excited system with the voltage regulator powered directly from the generator set output.

Control Panel: Detector 12 control (required for any NFPA 110 application)
Low coolant level warning/shutdown

Generator Set: Battery Charger, Battery rack, coolant drain extension, main line circuit breaker, oil drain extension, remote annunciator panel,
weather protective enclosure with silencer, and a 5 year extended power warranty.

Any help would be greatly appreciated.

Thanks again,

Bill Montroy
Project Superintendent

Cramm, Melvin D - (CHI)

From: Sara Davis [sdavis@benesch.com]
Sent: Friday, April 16, 2004 3:57 PM
To: Cramm, Melvin D - (CHI)
Cc: Mike Millette; David Barber; Brian Parks
Subject: COR 028 - Plan Revision - Fire Pump

Mel,

Please review the following comments on COR 028 re fire pump plan revisions and revise and re-submit accordingly:

1. Provide a credit for use of smaller sprinkler pipes than were required per original design (without a fire pump). River City

2. The Electrical Engineer recommends that all fire pump feeder conduits, both primary and back-up, should be concrete encased where they run under roadways, including the interior of the parking deck. Include, as an option, the cost of additional concrete encasement to reflect the above. Mayer Elec.

3. Use of a vertical fire pump, per submittal from River City, has been verbally approved. Revise the cost estimate to reflect the savings associated with a vertical fire pump and re-submit appropriate shop drawings. River City

4. The Electrical Engineer believes the electrical costs may be 10% or so high. Please review them and revise where possible. Mayer Elec.

Sara L. Davis, PE, SE
Alfred Benesch & Company, Owner's Representative
Village of Downers Grove Parking Deck Construction

Field Office:
5202 Washington Street, Office 9
Downers Grove, Illinois 60515
Phone: 630-434-6895
Fax: 630-434-6896
Cell: 773-908-5029
E-mail: sdavis@benesch.com

VILLAGE OF DOWNERS GROVE
PARKING FACILITY
Project No. 14-00

Construction Change Directive No. 046

Date: 18 March 2004

To: John Doherty, Turner Construction Company

Subject: Plan Revision, Fire Pump

Turner Construction Company (Contractor) is hereby directed by the Village of Downers Grove, as provided or in Article 7.3 of the General Conditions of the Contract, to comply with the following:

Description:
Incorporate the attached three drawings, FP-001a, E-100 and E-301, into your contract plan set. These drawings shall supersede previously issued drawings with the same drawing numbers. Incorporate the attached Section 15320 into yourcontract specifications as a new section. Provide and install a fire pump and related items as detailed in the attached Proposal Request No. 005.

Reason:
A fire pump was not included in the plans issued for construction, based on preliminary design calculations. However, the requirements of the Downers Grove Fire Prevention Bureau call for a fire pump.

Expected Construction Schedule Adjustment:
__Extension of ___ days * __Reduction of ___ days *
X_None
__ Submit Time Adjustment Proposal *

Expected Construction Cost Adjustment:
__Add'l Cost: $_____ * __Credit: $_____ *
__ None __Unit Price
X_Submit Cost Adjustment Proposal *

Please check the appropriate response below and return a signed copy of this document to the Owner's Representative within 5 business days.

___ Contractor agrees with the above terms. *

X Contractor disagrees with the above terms and will submit a Proposal or a Request for Change Order. *

John W. Doherty
Turner Construction Company Representative

3/19/04
Date

* A Change Order will be issued when Owner and Contractor agree upon Schedule and/or Cost adjustments.

Sara L. Davis
Sara L. Davis, PE, SE
alfred benesch & company
Owner's Representative

Cc: R. Manabat, Desman
D. Barber, VDG Public Works
M. Millette, VDG Public Works – Engineering
File

RECEIVED
MAR 19 2004
BY:

CCD 046.doc

PROPOSAL REQUEST

Owner	[X]
Architect	[X]
Consultant	[ ]
Contractor	[X]
Field	[X]
Other	[ ]

(Instructions on reverse side)

PROJECT: *(Name and address)* Village of Downers Grove Parking Facility

OWNER: *(Name and address)* Village of Downers Grove, Downers Grove, Illinois

PROPOSAL REQUEST NO: 5

DATE OF ISSUANCE: March 17, 2004

CONTRACTOR FOR: General Construction

CONTRACT DATED: June 23, 2003

ARCHITECT'S PROJECT NO: 50-20123

TO CONTRACTOR: *(Name and address)*
Turner Construction
2340 S. Arlington Hts. Rd.
Suite 340
Arlington Hts., IL 60005

ARCHITECT:
Desman Associates, Inc.
20 N. Clark Street
4th Floor
Chicago, IL 60602

CONTRACT DATED: June 23, 2003

Please submit an itemized proposal for changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein. Submit proposal within days, or notify the Architect in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

Description:
(Insert a written description of the work)

See Attached Description

Attachments:

Drawings FP-001, E-100 & E-301 dated 03-15-04 is part of this Proposal Request No. 5.

REQUESTED BY: [signature] Romy Manabat - Proj. Mgr.
(Signature) *(Printed name and title)*

Description

1. Re-arrange piping and power layout in sprinkler room mark 107 to accommodate a new fire pump. Coordination with existing underground utilities. See attached drawing FP-001 dated 03-15-04.

2. Provide and install a new electric drive, horizontal fire pump, with controller, transfer switch, and required accessories for a complete fire protection service as noted on attached specifications section 15320 and drawings FP-001 & E-301 dated 03-15-04.

3. Provide a dedicated electrical line (concrete encased) from CECO transformer to the new fire pump location. In addition, provide a secondary back up electrical line (concrete encased) from the generator area to the new fire pump location as shown on attached drawing E-100 dated 03-15-04.

4. Due to provision of a new fire pump, re-evaluate sizes of fire protection lines and re-submit revised shop drawings and calculations for approval.

5. Break out cost estimate as follows:
    a. Additional cost for provision and installation of a new fire pump as specified as noted in item 2 above.
    b. Additional cost for provision of dedicated and secondary back-up electrical lines for the fire pump as noted in item 3 above.
    c. Additional cost for re-engineering and re-submittal of revised shop drawings for approval as noted in item 4 above.
    d. Credit for pipe reduction size(s) of fire sprinkler lines due to provision of a new fire pump.

SECTION 15320

ELECTRIC FIRE PUMPS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes: Provide axially split case, electric-drive, horizontal fire pumps and accessories for fire-protection service.

1.2 DEFINITIONS

A. Fire Pump: Pump used to supply water at rated capacity and total rated head required for fire-protection service.

B. Fire Pump Unit: Assembled unit consisting of fire pump, driver, controller, and accessories.

C. Horizontal Fire Pump: Horizontal- or vertical-mounting, axially split case, electric-drive, horizontal fire pump.

D. Pressure-Maintenance Pump: Pump used to maintain water pressure in a sprinkler system.

E. Pressure-Maintenance Pump Unit: Assembled unit consisting of pressure-maintenance pump, driver, controller, and accessories.

1.3 SYSTEM PERFORMANCE REQUIREMENTS

A. Provide fire pump systems that include fire pump units, pressure-maintenance pump units, accessories, and piping that comply with performance requirements specified and are compatible with building fire-protection systems.

B. Pump, Equipment, Accessory, and Piping Pressure Rating: 175 psig (1200 kPa) minimum, except where a higher rating is indicated.

1.4 SUBMITTALS

A. General: Submit the following according to the Conditions of the Contract and Division 1 Specification Sections.

B. Product data for fire pump units and pressure pump units. Include clearly stated rated capacities of each selected model, performance curve with each selection point indicated, driver, pump controller, furnished specialties, and accessories; plus weights (shipping and installed).

C. Product certificates signed by manufacturers of fire pumps, certifying that their products comply with specified requirements.

D. Test curves of fire pump manufacturer's factory tests for each fire pump, and certificates signed by manufacturer verifying that the test results comply with specified requirements.

E. Shop drawings showing layout and connections for fire pump units and pressure-maintenance pump units. Show pumps, drivers, controllers, accessories, and piping. Include setting drawings with templates and directions for installation of foundation bolts, anchor bolts, and other anchorages.

1. Shop drawings may be incorporated into other Division 15 fire-protection piping system shop drawings.

F. Wiring diagrams detailing field-installed wiring for power, signal, and control systems.

G. Field-acceptance test data showing proper performance according to provisions specified.

H. Maintenance data for each fire pump and pressure-maintenance pump unit to include in the "Operating and Maintenance Manual" specified in Division 1 Section "Project Closeout."

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Firms whose fire pumps, pressure-maintenance pumps, drivers, controllers, and accessories are listed by product name and manufacturer in the UL "Fire Protection Equipment Directory" and FM "Approval Guide" and that comply with requirements indicated. The following listings are not required:

1. UL listing and FM approval of pressure-maintenance pumps.
2. FM approval of pressure-maintenance pump controllers.
3. UL listing of flow-measuring systems.

B. Single-Source Responsibility: Obtain fire pump units and pressure-maintenance pump units, components, and accessories from a single source. Include a source with responsibility and accountability to answer and resolve problems regarding compatibility, installation, performance, and acceptance of units.

C. Provide listing/approval stamp, label, or other marking on equipment made to specified standards.

D. Comply with local fire department/marshal standards pertaining to material, hose threads, and installation.

E. Comply with requirements of NFPA 20 "Standard for the Installation of Centrifugal Fire Pumps" for fire pumps, drivers, controllers, accessories, and installation.

F. Comply with requirements of FM "Approval Guide" applicable to fire pumps, drivers, controllers, and accessories, and provide system capable of FM acceptance.

G. Manufacturer's Factory Tests: Perform factory Certified Performance test for each fire pump.

H. Design Criteria: The Drawings indicate sizes, profiles, connections, and dimensional requirements of fire pump and pressure-maintenance pump units and are based on specific manufacturer types and models indicated. Pump units having equal performance characteristics by other manufacturers may be considered, provided that deviations in dimensions and profiles do not change the design concept or intended performance as judged by the Architect. The burden of proof for equality of units is on the proposer.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Preparation for Shipping: After assembling and testing fire pumps and pressure-maintenance pumps, clean flanges and exposed machined metal surfaces and treat with an anticorrosion compound. Protect flanges, pipe openings, and nozzles.

B. Store fire pumps, pressure-maintenance pumps, drivers, controllers, and accessories in a clean dry place.

C. Retain shipping flange protective covers and protective coatings during storage.

D. Protect bearings and couplings against damage from sand, grit, or other foreign matter.

E. Comply with manufacturer's rigging instructions for handling.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Horizontal Fire Pumps:
   a. Aurora Pump, General Signal Corp.
   b. Patterson Pump Co. Subsid., Gorman-Rupp Co.
   c. Peerless Pump, Sterling Fluid Products, Inc.
2. Water Pressure-Maintenance Pumps:
   a. Aurora Pump, General Signal Corp.
   b. Patterson Pump Co. Subsid., Gorman-Rupp Co.
   c. Peerless Pump, Sterling Fluid Products, Inc.
3. Air Pressure-Maintenance Pumps:
   a. Gast Manufacturing
   b. Rietschle Thomas
   c. Saylor-Beall Manufacturing
4. Pump Controllers and Alarm Panels:
   a. Firetrol, Inc.
   b. Hubbell Industrial Controls, Inc.
   c. Joslyn Clark Controls, Inc. Subsid., Joslyn Corp.
   d. Master Control Systems, Inc.
   e. Metron, Inc.

2.2 FIRE PUMPS

A. Description: Horizontally mounted, single-stage, UL 448, factory-assembled and -tested, electric-drive fire pump of capacities and characteristics indicated.

B. Characteristics: Capable of furnishing not less than 150 percent of rated capacity at not less than 65 percent of total rated head. Shutoff head is limited to 120 percent of total rated head.

C. Casing Construction: Axially split case, centrifugal design; cast-iron pump casing with suction and discharge flanges machined to ASME B16.1 dimensions, and 125-psig (860kPa) pressure rating, except where 250-psig (1725kPa) rated flanges are indicated.

D. Impeller Construction: Statically and dynamically balanced, of construction to match fire pump type, fabricated from cast bronze, keyed to shaft.

E. Case Wear Rings: Replaceable, bronze.

F. Pump Shaft and Sleeve: Steel shaft with bronze sleeve.

G. Pump Shaft Bearings: Grease-lubricated ball bearings contained in cast-iron housing.

H. Seals: Stuffing box with minimum of 4 rings of graphite-impregnated braided yarn with bronze lantern ring between center 2 graphite rings, and bronze packing gland.

I. Pump Couplings: Flexible, capable of absorbing torsional vibration and shaft misalignment, with metal coupling guard.

J. Finish: Manufacturer's standard red paint applied to factory-assembled and -tested unit before shipping.

K. Nameplates: Complete with capacities, characteristics, and other pertinent data.

2.3 DRIVERS

A. Description: NEMA MG 1, open-dripproof, squirrel-cage, induction motors. Include construction that complies with NFPA 20 and NFPA 70, and wiring compatible with controller used.

B. Finish: Manufacturer's standard red paint applied to factory-assembled and -tested unit before shipping.

C. Nameplates: Complete with motor horsepower (kW), characteristics, and other pertinent data.

2.4 CONTROLLERS

A. Description: Combined automatic and manual operation, complying with UL 508, UL listed and FM approved, factory assembled and wired, factory tested for capacities and electrical characteristics, and with features indicated.

B. Enclosure: NEMA ICS 6, Type 2, dripproof, indoor, except where special-purpose enclosure is indicated.

C. Include controls, devices, alarms, functions, and operations listed in NFPA 20 as required for driver and controller types used, and specific items listed for each controller type.

D. Nameplates: Provide nameplate complete with capacity, characteristics, approvals and listings, and other pertinent data on enclosure door.

E. Fire-Pump-Controller Enclosure Mounting: Wall- or floor-stand mounting, for field electrical connections.

F. Finish: Manufacturer's standard red paint applied to factory-assembled and -tested unit before shipping.

G. Controller Sensing Pipes: Fabricate pipe and fittings according to NFPA 20 with nonferrous-metal sensing piping, 1/2-inch (13mm) size, with globe valves for testing controller mechanism from system to pump controller as indicated. Include a bronze check valve with a 3/32-inch (2.4mm) orifice in the clapper or a ground-face union with a noncorrosive diaphragm having a 3/32-inch (2.4mm) orifice.

2.5 FULL SERVICE CONTROLLERS

A. Description: Across-the -line type, listed for electric-drive fire pump service and service entrance.

B. Rate controllers for scheduled horsepower (kW). Include short-circuit withstand rating at least equal to short-circuit current available at controller location. Take into account cable size and distance from substation or supply transformers.

C. Controllers: Capable of performing or contains the following features:

1. Isolating means and circuit breaker.
2. "Power On" pilot lamp.
3. Remote alarm contacts connections for indicating motor running condition, loss of line power, and line power phase reversal.
4. Automatic and manual operation, and minimum run-time relay to prevent short cycling.
5. Water-Pressure-actuated switch having independent high and low calibrated adjustments responsive to water pressure in fire-protection system.
6. Manual and automatic shutdown.

2.6 ALARM PANELS

A. Enclosure: NEMA ICS 6, Type 1 remote wall-mounting-type panel with audible and visible alarms matching controller type.

B. Features: Include the following features and manufacturer's standard features:

1. Motor- operating condition.
2. Loss of line power.
3. Phase reversal.
4. Low-water alarm

C. Mounting: Wall mounting.

D. Finish: Manufacturer's standard red paint applied to factory-assembled and -tested unit before shipping.

2.7 ACCESSORIES

A. Match fire pump suction and discharge ratings as required for fire pump capacity rating. Include the following accessories:

1. Automatic air-release valve.
2. Casing relief valve.
3. Suction and discharge pressure gages.
4. Eccentric tapered reducer at suction inlet.
5. Concentric tapered reducer (increaser) at discharge outlet.
6. Test-Header Manifold: Cast-iron or brass body for hose valves. Include nozzle outlets arranged in a single line; horizontal flush-wall mounting attachment; and rectangular, brass escutcheon plate with lettering equivalent to "PUMP TEST CONNECTION."
   a. Escutcheon Plate Finish: Polished chrome plate.
7. Hose Valves: UL 668, straightway pattern, bronze. Include cap attached to valve with chain and NFPA 1963 hose thread that conforms to local fire department standards on valve outlet. Valve and cap finish is same as test-header-manifold escutcheon plate finish.
8. Ball Drip Valve: UL 1726.
9. Main Relief Valve: UL 1478, spring loaded.

2.8 PRESSURE-MAINTENANCE PUMPS

A. Water

1. Pressure-Maintenance Pumps: Centrifugal, vertical construction, base mounted, factory assembled, and factory tested.
2. Capacities: Not less than 5 GPM capacity.
3. Construction: Cast-iron pump casing with suction and discharge connections of size indicated, threaded, or flanged and machined to ASME B16.1 dimensions, and 125-psig (860kPa) minimum pressure rating, except where 250-psig (1725kPa) rated flanges are indicated.
   a. Impeller: Bronze or stainless steel.

b. Shaft: Stainless steel.
c. Seals: Mechanical.

4. Nameplates: Provide nameplate complete with capacity, characteristics, and other pertinent data.
5. Finish: Manufacturer's standard color paint applied to factory-assembled and -tested unit before shipping.

B. Air

1. Pump shall be motor mounted without belt/pulley drive
2. Pump shall be oil-free type
3. System shall be incorporate corrosion resistant internal parts
4. Pump/motor shall be tank-mounted on an ASME code vessel.
5. Compressor shall be UL 2125 listed

2.9 PRESSURE-MAINTENANCE PUMP CONTROLLERS

A. Description: Across-the-line type; complying with UL 508; UL listed; factory assembled, wired, and tested; combined automatic and nonautomatic operation. Include types, capacities, characteristics, and features indicated for electric-drive, pressure-maintenance pump service.

B. Enclosure: NEMA ICS 6, Type 2, wall mounted, for field electrical wiring.

C. Include controls, devices, alarms, functions, and operations listed in NFPA 20, and specific items listed.

D. Rate controller for scheduled horsepower (kW) and provide the following items:

1. Fusible disconnect switch.
2. Pressure switch.
3. "HAND-OFF-AUTO" selector switch.
4. Pilot light.
5. Running period timer.

E. Nameplates: Complete with capacity, characteristics, approvals and listings, and other pertinent data on enclosure door.

F. Mounting: Wall type for field electrical connections.

G. Finish: Manufacturer's standard color paint applied to factory-assembled and -tested unit before shipping.

H. Controller Sensing Pipes: Fabricate pipe and fittings according to NFPA 20 with nonferrous-metal sensing piping, 1/2-inch (13mm) size, with globe valves for testing controller mechanism from system to pump controller. Include a bronze check valve with a 3/32-inch (2.4mm) orifice in the clapper or a ground-face union with a noncorrosive diaphragm having a 3/32-inch (2.4mm) orifice.

2.10 PRESSURE-MAINTENANCE PUMP ACCESSORIES

A. Pressure-Maintenance Pump Accessories: Match pressure-maintenance pump suction and discharge ratings as required for pump capacity rating:

1. Casing relief valve.
2. Suction and discharge pressure gages.

2.11 SOURCE QUALITY CONTROL

A. Factory Tests: Hydrostatically test and test run fire pumps before shipping. Test at 150 percent of shutoff head plus suction head, but not less than 250 psig (1725 kPa). Produce certified test curves showing head capacity and brake-horsepower (kW) of each pump.

2.12 GROUT

A. Nonshrink, Nonmetallic Grout: ASTM A 1107, Grade B.

B. Characteristics: Post-hardening, volume-adjusting, dry, hydraulic-cement grout.

C. Properties: Nonstaining, noncorrosive, and nongaseous.

D. Recommended Uses: Interior and exterior applications.

E. Design Mix: 5000 psi (34.50 MPa), 28-day compressive strength.

F. Packaging: Factory premixed and packaged.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas, equipment foundations, and conditions with Installer present for compliance with requirements for installation and other conditions affecting fire pump performance. Do not proceed with installation until unsatisfactory conditions have been corrected.

B. Examine fire-protection piping systems. Verify actual locations of piping connections prior to installation.

3.2 CONCRETE EQUIPMENT BASES

A. Install concrete equipment bases for fire pumps, pressure-maintenance pumps, and controllers. Refer to Division 3 Section "Cast-in-Place Concrete" and Division 15 Section 15050 "Basic Mechanical Materials and Methods."

3.3 INSTALLATION

A. Comply with fire pump and pressure-maintenance pump manufacturer's written installation and alignment instructions and with NFPA 20 and FM standards.

B. Install pumps in locations indicated and arrange to provide access for periodic maintenance, including removal of motors, impellers, couplings, and accessories.

C. Set base-mounted pumps on concrete equipment bases. Disconnect coupling halves before setting. Do not reconnect couplings until alignment operations have been completed.

1. Support pump base plate on rectangular metal blocks and shims or on metal wedges having small taper, at points near foundation bolts to provide a gap of 3/4 to 1-1/2 inches (19 to 38 mm) between pump base and foundation for grouting.
2. Adjust metal supports or wedges until pump and driver shafts are level. Check coupling faces and pump suction and discharge flanges to verify that they are level and plumb.

D. Install suction and discharge pipe sizes equal to or greater than the diameter of fire pump nozzles.

E. Install valves of types and at locations indicated that are same size as the piping connecting fire pumps, bypasses, test headers, and other piping systems.

F. Install pressure gages on fire pump suction and discharge at integral pressure gage tappings provided.

G. Support pumps and piping separately so that weight of piping system does not rest on pumps.

H. Install piping accessories, hangers and supports, anchors, valves, meters and gages, and equipment supports for complete installation.

I. Electrical Wiring: Install electrical devices furnished by equipment manufacturers but not specified to be factory mounted. Furnish copy of manufacturer's wiring diagram submittal to electrical Installer.

1. Verify that electrical wiring is installed according to manufacturer's submittal and installation requirements of Division 16 Sections. Do not proceed with equipment startup until wiring installation is acceptable.

3.4 ALIGNMENT

A. Align fire pump and driver shafts after complete unit has been leveled on foundation and after grout has set and foundation bolts have been tightened.

B. After alignment is correct, tighten foundation bolts evenly but not too firmly. Fill base plate completely with nonshrink, nonmetallic grout, with metal blocks and shims or wedges in place. After grout has hardened, fully tighten foundation bolts. Check alignment and take corrective measures required.

C. Make piping connections, check alignment per Hydronic Institute and take corrective measures required.

1. Adjust alignment of pump and driver shafts for angular and parallel alignment by 1 of 2 methods specified in Hydraulic Institute Standards Section "Centrifugal Pumps--Instructions for Installation, Operation and Maintenance."
2. Alignment Tolerances: Meet manufacturer's recommendations.

D. Align vertically mounted, axially split case pump and driver shafts after complete unit has been made plumb on foundation and after grout has set and foundation bolts have been tightened. Follow pump manufacturer's written instructions.

3.5 CONNECTIONS

A. Connect water supply to fire pumps and pressure-maintenance pumps.

B. Connect fire pump and pressure-maintenance pump discharge piping to building fire-protection water systems.

C. Electrical wiring and connections are specified in Division 16 Sections.

3.6 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: Provide services of factory-authorized service representative to supervise field assembly of components, installation of fire pump units and pressure-maintenance pump units, including piping and electrical connections, field acceptance tests. Report test results in writing.

B. Check suction line connections for tightness to avoid drawing air into pumps.

C. Perform field-acceptance tests for each fire pump unit (fire pump, driver, and controller) and system piping when fire pump unit installation is complete. Comply with operating instructions and procedures of NFPA 20 to demonstrate compliance with requirements. Where possible, field-correct malfunctioning equipment, then retest to demonstrate compliance. Replace equipment that cannot be satisfactorily corrected or that does not perform as specified and as indicated, then retest to demonstrate compliance. Verify that each fire pump unit performs as specified and as indicated.

3.7 COMMISSIONING

A. Startup Services: Provide services of factory-authorized service representative to provide startup service and to demonstrate and train Owner's maintenance personnel as specified below.

1. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and components.
2. Train Owner's maintenance personnel on procedures and schedules related to startup and shutdown, troubleshooting, servicing, and preventive maintenance.
3. Review data in the "Operating and Maintenance Manual." Refer to Division 1 Section "Project Closeout."

4. Schedule training with at least 7 days' advance notice.
5. Provide fire hoses in number, size, and of length required to reach a storm drain or other acceptable location to dispose of fire pump test water. These fire hoses are for field acceptance tests only and are not intended to become property of the Owner.

B. Final Checks Before Startup: Perform the following preventive-maintenance operations and checks before startup:

1. Lubricate oil-lubricated bearings.
2. Remove grease-lubricated bearing covers and flush bearings with kerosene and thoroughly clean. Fill with new lubricant according to manufacturer's recommendations.
3. Disconnect coupling and check electric motor for proper rotation. Rotation shall match direction of rotation marked on pump casing.
4. Check that the pump is free to rotate by hand. Do not operate the pump if it is bound or if it drags even slightly until cause of trouble is determined and corrected.

C. Starting procedure for pumps:

1. Prime pump by opening suction valve and closing drains, and prepare pump for operation.
2. Open sealing liquid supply valve if pump is so fitted.
3. Start motor.
4. Open discharge valve slowly.
5. Observe leakage from stuffing boxes and adjust sealing liquid valve for proper flow to ensure lubrication of packing. Do not tighten gland immediately, but let packing run in before reducing leakage through stuffing boxes.

Check general mechanical operation of pump and motor.

D. Fire Pump Test:

1. Pump manufacturer shall perform a fire pump test in accordance with NFPA standards and coordinate test with authority having jurisdiction.

END OF SECTION

VILLAGE OF DOWNERS GROVE
PARKING FACILITY

Project No. 14-00

Change Order No. 009 *DRAFT*

Date: 28 April 2004

Subject: Various

Reference: COR No.'s 029, 030, 027, 031, 034 CCD No.'s 028, 033, 037, 027, 043, 036
Proposal Request No.'s 002 , 003 RFI No.151, 143

The following is hereby agreed upon as a change in the Agreement between the Village of Downers Grove and Turner Construction Company for construction of the Village of Downers Grove Parking Facility, as provided for in Article 7.2 of the General Conditions of the Contract:

Description of Change in the Work:

A. Revise the Contract Documents by deleting Drawings No. E-210, E-202, E-203 and E-300, that show "Special Systems Conduits", and do not provide materials or installation of conduit for the security system ("Special Systems").

B. Provide and install electrical boxes and conduits as detailed in the attached RFI 151. The locations of electrical boxes for exterior lighting fixtures, including the three at stair towers, and of sleeves for camera locations shall be as specified in Proposal Request No. 002, issued with the attached CCD 033.

C. Remove and dispose of unsuitable soil that remains in areas of soil-supported slab on grade after excavation per plans. This work shall be performed under observation of Versar, the Geotechnical Engineer, who shall determine the extent of removal and shall measure the in-place quantity removed. Replace with structural fill approved by the Geotechnical Engineer and compact in place as required. Unit prices for Machine Excavation, Hauling and Structural Fill shall apply.

D. Provide and install exterior lighting fixtures and related electrical items as detailed in the attached Proposal Request No. 003 and in the five drawings, E-101, E-104, E-105, E-400, and E-401, dated 23 February 2004 and 24 March 2004.

E. Close the north wall of Room 107 (Sprinkler Room) and the south wall of Room 108 (Storage Room No. 1) by providing an 8" CMU wall above the CIP walls to the underside of the P/T slab above, on lines B and C between lines 7 and 8. Refer to Detail 1 on Drawing No. S-002 for reinforcement and connections at top and bottom of the CMU walls. Align the exterior of each CMU wall with the edge of the CIP wall. Eliminate the barrier cables between lines 7 and 8 on the ground level.

Reason for Change in the Work:

A. The contract the Village has with Advent Systems to provide the security system for the parking

deck also includes provision of conduit for the system, so it had to be deleted from one contract or the other. It was deemed better for the coordination of work to leave the conduit in Advent's contract.

B. The boxes and sleeves are required for mounting and wiring exterior building-mounted lighting that will be added to this contract and security cameras that will be provided by others.

C. Unsuitable soil has been observed within 3 to 4 feet below grade for excavation in the northeast corner of the proposed building, approximately between column lines 9 and 12 and A and B.

D. Revised drawings were issued to include exterior lighting mounted on the building, because the original plans did not provide for sufficient lighting of sidewalks around the building.

E. Rooms 107 and 108 were intended to be secure rooms but the show openings above the ground level crash walls on their north and south wall lines, respectively. Refer to RFI #143, attached.

Construction Schedule Adjustment:

Calendar days added or subtracted (+ or -): **0**

Revised date of substantial completion: _____

Construction Cost Adjustment:

Cost or credit amount (+ or -):	**A.**	**($35,038.00)**
	B.	**$2,976.00**
	E.	**$36,079.00**
	F.	**$25,260.00**
	G.	**$9,638.00**
Net cost adjustment:		**$38,915.00**
Revised amount * of Contract Sum:		**$11,903,564.00**

* May not include adjustments for all other pending or recently signed Change Orders.

_____

Village of Downer's Grove Representative Position Date

_____

Turner Construction Company Representative Position Date

Versar INC.
ENVIRONMENTAL RISK MANAGEMENT

April 27, 2004

Sara Davis
Alfred Benesch & Company
Field Office For Parking Deck Construction
5202 Washington, Office 9
Downers Grove, Illinois 60515

Reference: Change Order Request No. 027
Parking Deck
Village of Downers Grove
Versar Project No. 110242.0006.003

Dear Sara:

As requested in your Transmittal, dated April 6, 2004, Versar has reviewed Change Order Request No. 027, submitted by Turner Construction Company (TCC) for the Downers Grove Parking Deck. TCC is requesting an additional $36,079.00 in Change Order Request No. 027 for excavation and removal of unsuitable soils.

Versar was present during excavation and removal of unsuitable soils and our Daily Inspection Reports document these activities. Versar's calculations are attached to the Change Order Request, and justify the total volume of unsuitable material removed (672 cubic yards) as well as the volume of backfill required for resultant overexcavation (672 cubic yards). All quantities are in-place quantities, and no adjustments or unit conversions are required for interpretation of Contractor's claim.

The scope and the associated costs of Contractor's Change Order Request No. 027 seem reasonable to Versar. Should there be any questions, please contact the undersigned at (630) 268-8555, Extension 220.

Sincerely,

Gary F. Goodheart, P.E.
Department Head, Engineering

Copy to: Michael Millette

RECEIVED
APR 27 2004
BY:

L:\JOB\110242\0006.003\Change Order Request No. 27.wpd

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

Monday, April 05, 2004

Ms. Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515

RE: Downers Grove Parking Deck
945 Curtiss St. Downers Grove. IL 60515
Project #: 9252
Change Order Request Number 027

Dear Ms. Davis,

We have finalized the required quotations for PCO number **044** for the following extra work **CCD #027: Removal of Unsuitable Soils**. We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. The following is a detailed itemization of all extra costs:

Item	Description	Amount Proposed	Contractor
001	CCD #027: Remove unsuitable soils	$33,516.00	AACONT
002	CCIP Workmen Comp - 3.35%	$1,123.00	TURCON
003	CCIP Liability - 1.55%	$520.00	TURCON
004	SubGuard - Bond - 1.0%	$335.00	TURCON
005	Turner Bond - 0.75%	$251.00	TURCON
006	CCIP & Bond Maru UP - 15%	$334.00	TURCON

Total Amount **$36,079.00**

We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. See the attached for a detailed breakdown of the costs included in this Change Order Request.

This change will also result in a possible schedule impact of seven (7) workdays (10 calendar days) to the project. Documentation is forthcoming to substantiate these days. If you have any questions regarding this Change Order Request, please call me at your earliest convenience.

RECEIVED
APR 0 6 2004
BY:

Please return one (1) copy of this letter indicating your approval of this Turner Change Order which increases our Contract by Thirty six thousand seventy nine and 00/100 ($36,079.00). This approval will also authorize us to issue Subcontract Change Orders for subcontractors.

Sincerely,

Mel Cramm
Project Manager

Approved By: _____ Date: _____
Sara Davis
Project Manager

cc: File

DOWNERS GROVE PARKING FACILITY **CCD No. 027** **4/5/2004**

AA Conte has agreed to the 672 total Cubic Yards calculated by Versar (see attached). Therefore, the following summary applies:

Description	Unit Price	CY	Hour(s)		
Turner Contract Unit Price No. 1	$5.85	672		$3,931	
Turner Contract Unit Price No. 4	$28.00	672		$18,816	
Turner Contract Unit Price No. 7	$14.85	672		$9,979	
				Sub Total	$32,726
AA Conte Equipment					
Ticket No. 45169	$190.00		1	$190	
Ticket No. 45157	$100.00		6	$600	
				Sub Total	$790
				Grand Total	**$33,516**

II. ADDENDUM

Bidder acknowledges receipt of the following Addenda:

Addendum No. 1, dated: 04/08/03
Addendum No. 2, dated: 04/10/03
Addendum No. 3, dated: 04/15/03
Addendum No. 4, dated: 04/16/03

III. UNIT PRICES

Due to possible changes in the scope of work during construction, it may be necessary to ad or deduct some quantities of material from the contract. Bidders shall furnish Unit Prices fo calculating the increase or decrease amount from the Base Bid. Lack of Unit Price information may be grounds to disqualify the Bid. The Owner shall reserve the right to accept, reject or renegotiate each Unit Price.

A. State in the Bid Form the amount to be added to or subtracted from the Base Bid per unit of measurement for each Unit Price specified. State this amount for work in-place and to include materials, labor, and all overhead and profit. No surcharge in addition t the Unit Price listed will be permitted.

B. Difference between add and deduct Unit Price shall not be more than 15%.

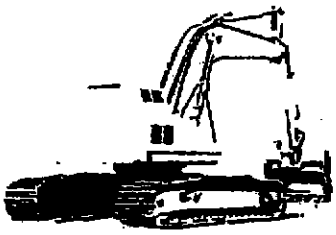
C. The description of Unit Prices contained in this Section is in summary form. Detailed requirements for materials and execution are shown on the Drawings and defined in the Technical Specifications.

ITEM	DESCRIPTION	UNIT MEASURE	UNIT PRICE ADD	UNIT PRICE DEDUCT
1.	Machine Excavation: Done by mechanical means (Section 02200, Art, 1.05 A)	CU YD	$ 5.85	$ 5.10
2.	Hand Excavation: Done by manual means (Section 02200, Art. 1.05 B)	CU YD	$ 80.00	$ 70.00
3.	Non-Structural Fill: Placement and grading (Section 02200, Art. 1.05 C)	CU YD	$ 4.25	$ 3.70

4.	Structural Fill: Placement and compaction (use CA-6 gravel) (Section 02200, Art. 1.05 D)	CU YD	$ 28.00	$ 24.40
5.	Concrete: reinforcing, forming and placement in footings and/or foundation walls (Section 03300, Art. 3.13 A)	CU YD	$ 580.00	$ 505.00
6.	Concrete: reinforcing, forming and placement of "flatwork" concrete (6" thick or less) (Section 03300, Art. 3.13 B)	CU YD	$ 610.00	$ 530.00
7.	Hauling: Excavated material to an offsite disposal area (Section 03300, Art. 1.05 E)	CU YD	$ 14.85	$ 13.00
8.	Rock Obstruction: Removal and disposal of rock obstruction (Section 02200, Art. 1.05 F)	CU YD	$ 159.00	$ 139.00
9.	Rock Obstruction: For Auger pile installation (Section 02316, Art. 3.06 B.5)	CU YD	$ NO BID	$ NO BID
10.	Drainage Aggregate: Furnishing and placing compacted drainage aggregate when additional drainage aggregate is required beyond that described in scope (Section 02200, Art. 1.05 G)	CU YD	$ 29.50	$ 25.70
11.	Steel Reinforcement: Unit cost of unused miscellaneous mild steel credited to Owner (Section 03300, Art. 3.01 C)	TON	$ N/A	$ 1,100.00
12.	Piling Footage: Cost for installing more or less piling footage than total aggregate length of piling upon which bid is based (Section 02316, Art. 3.06 B.3&B.4)	FOOT	$ 19.80	$ 17.25

A. A. Conte & Son, Inc.

Excavation and Site Development Contractor
31W007 North Avenue
West Chicago, Illinois 60185
Telephone: 630-231-8292
Fax: 630-231-1256



June 13, 2003

Equipment Rates

Turner Construction Company
55 East Monroe Street, Suite 3100
Chicago, Illinois 60603
Phone: 312-327-2839
Fax: 312-327-2800

Re: Parking Garage
Downers Grove, Illinois

Attn: Daniel J. Cronin

We wish to quote you the following prices for our equipment and operators which will remain in effect until further notice.

TYPE OF EQUIPMENT	REGULAR RATE PER HOUR
Case 1845B Uniloader	$120.00
Melroe 963G Bobcat Loader	$120.00
Cat 955 Track Loader	$140.00
Cat 953 Track Loader	$140.00
Cat 963 Track Loader	$170.00
Cat 973 Track Loader	$200.00
Caterpillar Wheel 950Loader	$150.00
Trojan 4000 Wheel Loader	$185.00
Caterpillar 980F Wheel Loader	$280.00
Steiger 300 Tractor w/hydraulic discs	$170.00
Steiger 280 Tractor w/Rome discs	$170.00
John Deere 8440 Tractor	$170.00
Case IH 9380 Quad Tractor	$170.00
Ashland Pan	$60.00 ea
Cat 426B Combination Backhoe/Loader	$135.00
Case 590 Combination Backhoe/Loader	$140.00
590 Case Combination Backhoe/Loader w/breaker	$165.00
Takeuchi TB1070 Backhoe	$140.00
Kobelco SK130 Hydraulic Backhoe	$150.00
Kobelco SK150IV Hydraulic Backhoe	$150.00

INITIALED FOR:
SUBCTR | TURNER

Kobelco SK200 Hydraulic Backhoe	$150.00
Caterpillar 315B Backhoe	$150.00
Yutani 200 MDIBackhoe w/Laser (2.5 CY)	$150.00
Mitsubishi 230 Backhoe w/Laser (3 CY)	$155.00
Yutani 240 MDI Backhoe w/Laser (3 CY)	$165.00
Mitsubishi 300 Backhoe w/Laser (4 CY)	$190.00 ←
Link Belt LS3400LF Hydraulic Excavator	$205.00
Yutani 400 MDI Mass Excavator w/Laser (5.5 CY)	$220.00
Yutani 450B MDI Mass Excavator w/Laser (6 CY)	$250.00
Samsung 450L Hydraulic Backhoe	$250.00
Kobelco SK400 III Mass Excavator w/Laser (6 CY)	$270.00
Case 450C Laser Dozer	$140.00
Case 1450B Laser Dozer	$160.00
Fiat Allis FD 10 Dozer	$180.00
Cat D4 Laser Dozer	$180.00
Cat D5 Wide Track Dozer	$185.00
Cat D6 Dozer	$190.00
Cat D8 Dozer	$205.00
Terex 2366- 3066 Articulated Dump Truck	$180.00
Terex TS14 Scraper	$200.00
IH 270 Scraper	$190.00
Wabco 229 Scraper	$190.00
Cat 825 Compactor/Dozer	$205.00
Cat 815 Compactor/Dozer	$165.00
Dynapac 252 Vibratory Roller	$150.00
Bomag 212 Vibratory Roller	$150.00
Bomag 172 Vibratory Sheepsfoot Roller	$150.00
Cat 16G Motor Grader	$205.00
16G Caterpillar Motor Grader w/Scarifier/ripper	$210.00
Cat 12G Motor Grader	$160.00
Cat 112 Motor Grader	$150.00
Semi Tractor w/dump trailer	$ 80.00
Semi Tractor w/bottom-dump trailer	$ 90.00
Semi Tractor w/water semi-tanker trailer	$105.00
Six Wheeler w/tanker & sprayer	$ 80.00
Six Wheeler w/dump trailer	$ 70.00
Water Truck	$100.00
Sweeper - 4 Hour Minimum	$100.00 ←

INITIALED FOR: SUBCTR TURNER

Rome disc plow harrow (as attachment)	$ 60.00
Semi Tractor w/Lowboy Trailer (2-axle)	$ 90.00
Semi Tractor w/Lowboy Trailer (3-axle)	$ 95.00
Semi Tractor w/Lowboy Trailer (heavy-duty 3-axle)	$100.00
4000 lb. wrecking ball	$200.00/day
Sheepsfoot or flatface roller (as attachment)	$ 70.00
Welco dolly water tanker (as attachment)	$230.00/day
Concrete breaker (as attachment)	$ 70.00
Backhoe Breaker attachment	$ 25.00
Dozer Ripper	$ 15.00
Equipment Operator (labor only)	$ 65.00
Semi Driver (labor only)	$ 50.00
Six Wheeler Driver (labor only)	$ 50.00
Field Engineer	$ 60.00
Laborer	$ 52.00

Quotations for other types of earthmoving equipment are available on request. If work commences under a time and material basis, the following terms shall apply.

1) Premium time, if incurred, is charged for labor only in addition to the regular rates.
   - $28.00 per hour for equipment operators
   - $25.00 per hour for semi drivers
   - $26.00 per hour for laborers
   - $28.00 per hour for field engineer
2) Trucks are paid from portal to portal.

3) Lowboy moves incur a two-hour minimum.

4) A minimum of one lowboy move will be charged for each piece of equipment moved to the job site.

5) If a machine works less than one day, lowboy moves are charged to move the equipment in and out.

If you have any questions, please feel free to contact me.

Very truly yours,

A. A. CONTE & SON, INC.

Keith A. Jennings
Project Estimator

INITIALED FOR
SUBCTR | TURNER

A.A. CONTE & SON, INC.
31W007 NORTH AVENUE
WEST CHICAGO, ILLINOIS 60185-6409
(630) 231-8292

CUSTOMER ORDER NO.	SALESMAN	DATE
	M. M.	11-11-03

SOLD TO: Turner Construction Co.

ADDRESS: Downers Grove Parking Facility
Undercut Sub grade Line 12 From

SHIP TO: A to B, loading and hauling extra material
in semi truck to dump, Filling with CA-7

SOLD BY	CASH	C. O. D.	CHARGE	ON ACCT.	MDSE. RET'D	PAID OUT

stone denoted by testing service

	QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	1	320 Backhoe + Oper	1	HR
2	1	Semi truck + driver w/o material	1	HR
3				
4	1	Load of CA-7 stone delivered		
5				
6				
7				
8				
9				
10				
11		Bill to PCO		
12		Unsuitable		
13		#40 For		
14		Soils		
15				

ALL CLAIMS AND RETURNED GOODS MUST BE ACCOMPANIED BY THIS BILL

Received by [signature] **No.** 45169

Tech - Verifying

RECEIVED NOV 21 2003

RECEIVED NOV 21 2003

A.A. CONTE & SON, INC.

31W007 NORTH AVENUE
WEST CHICAGO, ILLINOIS 60185-6409
(630) 231-8292

CUSTOMER ORDER NO.	SALESMAN	DATE
3850	M. M.	12-04-03

SOLD TO Turner Construction Co.

ADDRESS Downers Grove Parking Facility

SHIP TO Sweep street for extra work on and out of site with semi trucks as directed

SOLD BY	CASH	C. O. D.	CHARGE	ON ACCT.	MDSE. RET'D	PAID OUT

	QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	1	Sweeper + driver	6	HRS
2				
3				
4				
5				
6				
7				
8		Bill to Accounting C.O.D.		
9		Soil		
10				
11		* 44		
12				
13				
14		Jobsite		
15				

ALL CLAIMS AND RETURNED GOODS MUST BE ACCOMPANIED BY THIS BILL

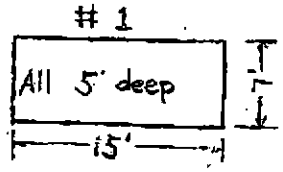
Received by [signature] No. 45157

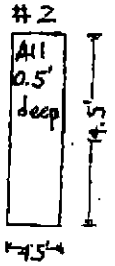
RECEIVED DEC 12 2003

Versar INC.

Organic Soil Volume Estimation:
(For the number of slots, refer to the drawing attached) WM

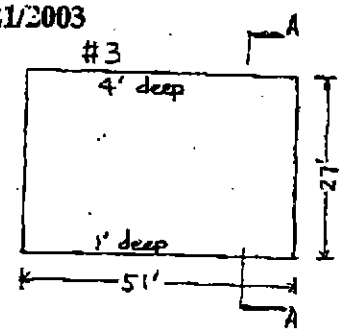
11/05/2003

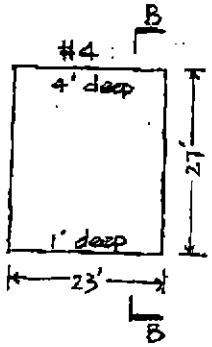


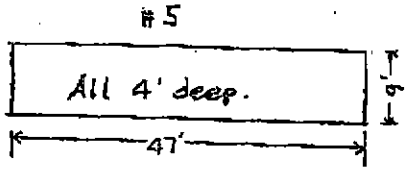


$V_1=15\times7\times5=525.0\ ft^3$
$V_2=4.5\times4.5\times0.5=32.6\ ft^3$

11/21/2003



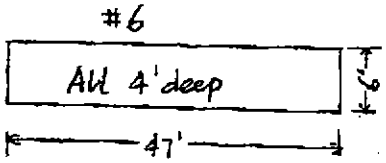


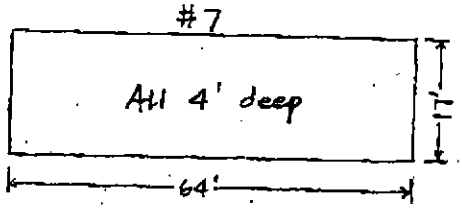


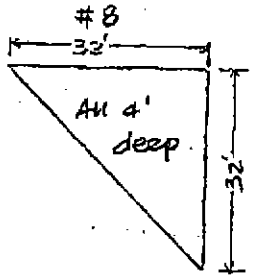
* Note: A-A and B-B are assumed to trapezoidal shape.

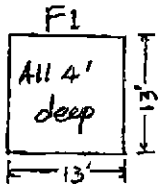
$V_3=51\times(1+4)\times27/2=3442.5\ ft^3$
$V_4=23\times(1+4)\times27/2=1552.5\ ft^3$
$V_5=47\times9\times4=1692.0\ ft^3$

11/25/2003









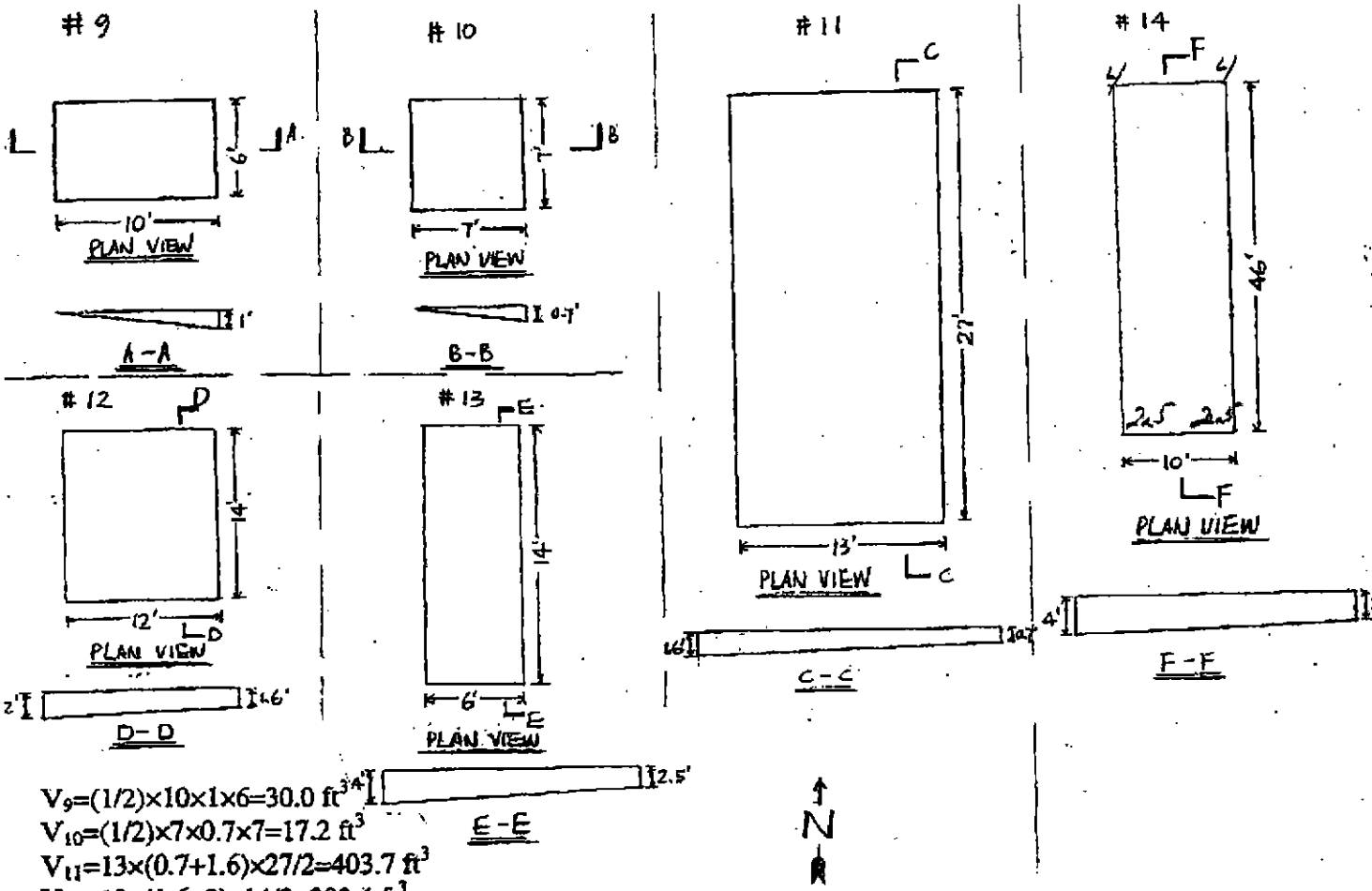
$V_6=47\times6\times4=1128.0\ ft^3$
$V_7=64\times17\times4=4352.0\ ft^3$
$V_8=(1/2)\times32\times32\times4=2048.0\ ft^3$ (Note: this is an unexcavated area, just for calculation purpose only.)
$V_{F1}=13\times13\times4=676.0\ ft^3$

$V_{as\text{-}to\text{-}11/30}=V_1+V_2+V_3+V_4+V_5+V_6+V_7-V_8-2V_{F1}$
$=525.0+32.6+3442.5+1552.5+1692.0+1128.0+4352.0-2048.0-2\times676.0$
$=9324.6\ ft^3$ (345.4 yd^3)

Versar INC.

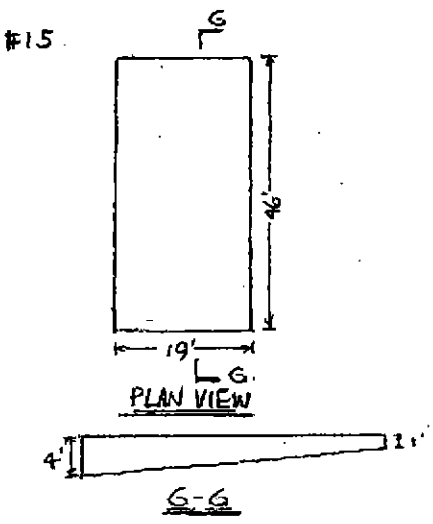
Organic Soil Volume Estimation:
(For the number of slots, refer to the drawing attached)

12/04/2003



$V_9=(1/2)\times10\times1\times6=30.0\ ft^3$
$V_{10}=(1/2)\times7\times0.7\times7=17.2\ ft^3$
$V_{11}=13\times(0.7+1.6)\times27/2=403.7\ ft^3$
$V_{12}=12\times(1.6+2)\times14/2=302.4\ ft^3$
$V_{13}=6\times(4+2.5)\times14/2=273.0\ ft^3$
$V_{14}=10\times(2.5+4)\times46/2=1495.0\ ft^3$
$V_{12/04}= V_9+ V_{10}+ V_{11}+V_{12}+ V_{13}+V_{14}=30.0+17.2+403.7+302.4+273.0+1495.0=2521.3\ ft^3$ (93.4 yd^3)

12/08/2003

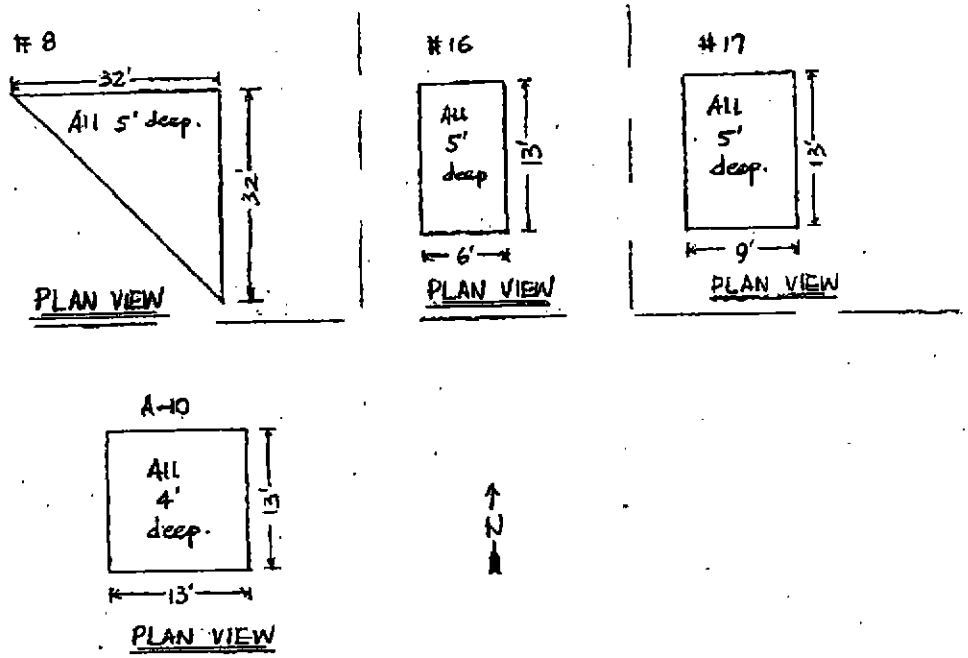


$V_{15}=19\times(1+4)\times46/2=2185.0\ ft^3$
$V_{12/08}=2185.0\ ft^3$ (80.9 yd^3)

LM

Versar INC.

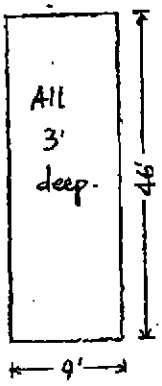
12/09/2003



V_8=(1/2)×32×32×5=2560.0 ft^3
V_{16}=13×6×5=390.0 ft^3
V_{17}=13×9×5=585.0 ft^3
$V_{A\text{-}10}$*=13×13×4=676.0 ft^3
$V_{12/09}$= V_8 - $V_{A\text{-}10}$ + V_{16} + V_{17}=2560.0-676.0+390.0+585.0=2859.0 ft^3 (105.9 yd^3)

* The undercut depth at pile cap A-10 is 1' deeper than the theoretical excavation depth.

12/12/2003

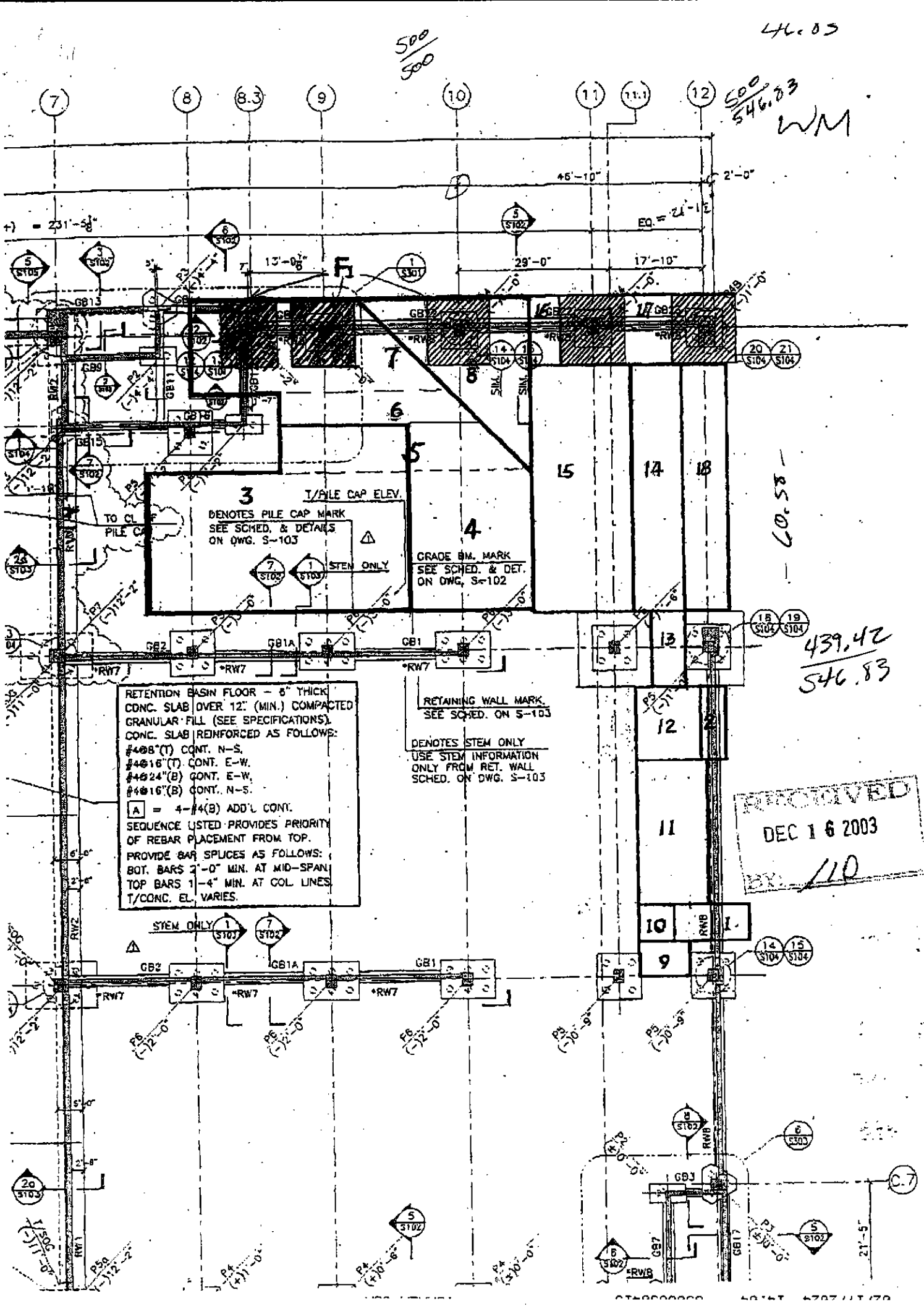


V_{18}=46×9×3=1242.0 ft^3
$V_{12/12}$=1242.0 ft^3 (46.0 yd^3)

$V_{as\text{-}to\text{-}12/12}$= $V_{as\text{-}to\text{-}11/30}$ + $V_{12/04}$ + $V_{12/08}$ + $V_{12/09}$ + $V_{12/12}$ =9324.6+2521.3+2185.0+2859.0+1242.0
=18131.8 ft^3 (672 yd^3)

PROJECT TOTAL

WM


3
T/PILE CAP ELEV.
DENOTES PILE CAP MARK
SEE SCHED. & DETAILS
ON DWG. S-103
STEM ONLY
4
GRADE EM. MARK
SEE SCHED. & DET.
ON DWG. S-102
RETENTION BASIN FLOOR - 6" THICK
CONC. SLAB OVER 12" (MIN.) COMPACTED
GRANULAR FILL (SEE SPECIFICATIONS).
CONC. SLAB REINFORCED AS FOLLOWS:
#4@8"(T) CONT. N-S.
#4@16"(T) CONT. E-W.
#4@24"(B) CONT. E-W.
#4@16"(B) CONT. N-S.
A = 4-#4(B) ADD'L CONT.
SEQUENCE LISTED PROVIDES PRIORITY
OF REBAR PLACEMENT FROM TOP.
PROVIDE BAR SPLICES AS FOLLOWS:
BOT. BARS 2'-0" MIN. AT MID-SPAN
TOP BARS 1'-4" MIN. AT COL. LINES
T/CONC. EL. VARIES.
RETAINING WALL MARK
SEE SCHED. ON S-103
DENOTES STEM ONLY
USE STEM INFORMATION
ONLY FROM RET. WALL
SCHED. ON DWG. S-103
RECEIVED
DEC 16 2003
BY:

VILLAGE OF DOWNERS GROVE
PARKING FACILITY
Project No. 14-00

Construction Change Directive No. 027

Date: 18 November 2003

To: John Doherty, Turner Construction Company

Subject: Removal of Unsuitable Soil

Turner Construction Company (Contractor) is hereby directed by the Village of Downers Grove, as provided for in Article 7.3 of the General Conditions of the Contract, to comply with the following:

Description:

Remove and dispose of unsuitable soil that remains in areas of soil-supported slab on grade after excavation per plans. This work shall be performed under observation of Versar, the Geotechnical Engineer, who shall determine the extent of removal and shall measure the in-place quantity removed. Replace with structural fill approved by the Geotechnical Engineer and compact in place as required. Unit prices for Machine Excavation, Hauling and Structural Fill shall apply.

Reason:

Unsuitable soil has been observed within 3 to 4 feet below grade for excavation in the northeast corner of the proposed building, approximately between column lines 9 and 12 and A and B.

Expected Construction Schedule Adjustment:
__Extension of ___ days * __Reduction of ___ days * X_None __ Submit Time Adjustment Proposal *

Expected Construction Cost Adjustment:
__ Add'l Cost: $_____ * __Credit: $_____ * __None X_Unit Price X_Submit Cost Adjustment Proposal *

Please check the appropriate response below and return a signed copy of this document to the Owner's Representative within 5 business days.

___ Contractor agrees with the above terms. *

X Contractor disagrees with the above terms and will submit a Proposal or a Request for Change Order. *

John Doherty
Turner Construction Company Representative

11/19/03
Date

RECEIVED
NOV 18 2003
BY: JJP

* A Change Order will be issued when Owner and Contractor agree upon Schedule and/or Cost adjustments.

Sara L. Davis, PE, SE
alfred benesch & company
Owner's Representative

Cc: R. Manabat, Desman
G. Goodheart, Versar
M. Millette, VDG Public Works – Engineering
J. Skach, VDG Planning & Community Development
File

DESMAN ASSOCIATES
ARCHITECTS • ENGINEERS • PLANNERS • PARKING CONSULTANTS •

April 23, 2004

Ms. Sara Davis
Alfred Benesch & Company
Owner's Representative for VDG P/F Construction

Re: Village of Downers Grove Parking Facility
Desman Project No. 20123

Dear Sara,

We have reviewed Change Order Request (COR) and offer the following:

1. **COR No. 029 – Deletion of Conduit for Security System**
The total credit of $35, 200.00 is reasonable.

2. **COR No. 030 – Electrical Boxes and Sleeves in Precast**
The total cost of $2, 976.00 is acceptable.

3. **COR No. 031 – Exterior Lighting**
The total cost of $25,260.00 is reasonable. However, request a credit for labor & material of fixtures taken out at entry location of stair towers. Refer to Base Bid Document Drawings E-104 & E-105 (fixture type F8) for fixture locations. A total of 3-fixtures to be credited.

4. **COR No. 034 – Additional Masonry Wall above Foundation Walls**
The total cost of $9, 638.00 is fair.

Please call if you have any questions.

Sincerely,

Desman Associates
A Division of Desman, Inc.

Romy Manabat
Associate

RECEIVED
APR 23 2004
BY:

Cc: Steve Rebora

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

Wednesday, April 07, 2004

Ms. Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515

RE: Downers Grove Parking Deck
945 Curtiss St. Downers Grove. IL 60515
Project #: 9252
Change Order Request Number 031

Dear Ms. Davis,

We have finalized the required quotations for PCO number **068** for the following extra work **CCD No. 043: Plan Revision, Exterior Lighting**. We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. The following is a detailed itemization of **all** extra costs:

Item	Description	Amount Proposed	Contractor
001	CCD No. 043: Plan Revision, Site Lighting	$22,424.00	MAYELE
002	Turner Overhead & Profit - 5.0%	$1,121.00	TURCON
003	CCIP Workmen Comp - 3.35%	$751.00	TURCON
004	CCIP Liability - 1.55%	$348.00	TURCON
005	SubGuard - Bond - 1.0%	$224.00	TURCON
006	Turner Bond - 0.75%	$168.00	TURCON
007	CCIP & Bond Markup - 15%	$224.00	TURCON

Total Amount **$25,260.00**

We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. See the attached for a detailed breakdown of the costs included in this Change Order Request.

This change will also result in a schedule impact of ten (10) working days - fourteen (14) calendar days - to the project. If you have any questions regarding this Change Order Request, please call me at your earliest convenience.

RECEIVED
APR 07 2004

Building the Future

Please return one (1) copy of this letter indicating your approval of this Turner Change Order which increases our Contract by Twenty five thousand two hundred sixty and 00/100 ($25,260.00). This approval will also authorize us to issue Subcontract Change Orders as listed on attachment.

Sincerely,

Mel Cramm
Project Manager

Approved By: _____ Date: _____
Sara Davis
Project Manager

cc: File

MAYER ELECTRICAL CONTRACTING, INC.

P.O. BOX 8113
BARTLETT, IL 60103

Telephone: 630-289-0200 Facsimile: 630-289-6432

March 29, 2004

ECO #043

Turner Construction Company
945 Curtiss Street
Downers Grove, IL 60515
Attn: Mel Cramm

RE: Downers Grove Parking Facility

Dear Mel,

Description of change(s): Furnish and install exterior wall lighting with Raceways and circulating as indicated.

Detail of change(s):

Drawing Sheet references: A
S
M
E 101, 104, 105, 400, 401
P

Cost Breakdown:

- Labor: $ 7,511.00 Labor Hours: 135 hrs
- Equipment: $ 400.00 lift rental 2 wks @ $200 per week
- Material: $ 1,845.00 900 lf of ¾" HW w/(2) #10, (1) #12 @ 2.05 lf
  $ 7,730.00 (12) Type "E2" fixtures @ 644.15 ea
  $ 1,625.00 (5) Type "W2" fixtures @ $324.50 ea
  $ 388.00 (17) 175 W HID lamps @ 22.80 ea

Subtotal: **$ 19,499.00**

- OH & P: $ 1,127.00 labor
- $ 1,798.00 material / equipment

Total: **$22,424.00**

***Request extension of time to perform this work for the amount of (2) weeks.**

VM/gm
tcc1.file

VILLAGE OF DOWNERS GROVE
PARKING FACILITY

Project No. 14-00

Construction Change Directive No. 043

Date: 16 March 2004

To: John Doherty, Turner Construction Company

Subject: Plan Revision, Exterior Lighting

Turner Construction Company (Contractor) is hereby directed by the Village of Downers Grove, as provided or in Article 7.3 of the General Conditions of the Contract, to comply with the following:

Description:
Incorporate the attached 5 drawings, E-101, E-104, E-105, E-400, and E-401 into your contract plan set. These drawings shall supersede previously issued drawings with the same drawing numbers. Provide and install exterior lighting fixtures and related electrical items as detailed in the attached Proposal Request No. 003 and in these 5 drawings. Related CCD's: 033 and 037.

Reason:
These drawings have been revised to include exterior lighting mounted on the building, because the original plans did not provide for sufficient lighting of sidewalks around the building.

Expected Construction Schedule Adjustment:
__Extension of ___ days * __Reduction of ___ days *
X_None
__ Submit Time Adjustment Proposal *

Expected Construction Cost Adjustment:
__ Add'l Cost: $_____ * __Credit: $_____ *
__ None __Unit Price
X_Submit Cost Adjustment Proposal *

Please check the appropriate response below and return a signed copy of this document to the Owner's Representative within 5 business days.

___ Contractor agrees with the above terms. *

X Contractor disagrees with the above terms and will submit a Proposal or a Request for Change Order. *

John Doherty
Turner Construction Company Representative

3/17/04
Date

* A Change Order will be issued when Owner and Contractor agree upon Schedule and/or Cost adjustments.

Cc: R. Manabat, Desman
D. Barber, VDG Public Works
M. Millette, VDG Public Works – Engineering
File

Sara L. Davis
Sara L. Davis, PE, SE
alfred benesch & company
Owner's Representative

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PROPOSAL REQUEST

Owner	[X]
Architect	[X]
Consultant	[ ]
Contractor	[X]
Field	[X]
Other	[ ]

(Instructions on reverse side)

PROJECT: *(Name and address)* Village of Downers Grove Parking Facility

OWNER: *(Name and address)* Village of Downers Grove Downers Grove, Illinois

PROPOSAL REQUEST NO: 3

DATE OF ISSUANCE: March 8, 2004

CONTRACTOR FOR: General Construction

CONTRACT DATED: June 23, 2003

ARCHITECT'S PROJECT NO: 50-20123

TO CONTRACTOR: *(Name and address)* Turner Construction
2340 S. Arlington Hts. Rd.
Suite 340
Arlington Hts., IL 60005

ARCHITECT: Desman Associates, Inc.
20 N. Clark Street
4th Floor
Chicago, IL 60602

CONTRACT DATED: June 23, 2003

Please submit an itemized proposal for changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein. Submit proposal within days, or notify the Architect in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

Description:
(Insert a written description of the work)

See Attached Description

Attachments:

Electrical drawings E-101, E-104, E-105, E-400 & E-401 dated 2-23-04 are part of this proposal request.
Catalog Cutsheets for KIM Light Fixtures "E2 & W2" (6-pages of 8 ½"x11") are also part of this proposal request.

REQUESTED BY:

Romy M. Manabat

(Signature)

Romy Manabat - Project Mgr.

(Printed name and title)

AIA Caution: You should sign an original AIA document, which has this caution printed in red. An original assures that changes will not be obscured as may occur when documents are reproduced. See instruction sheet for Limited License for Reproduction of this document.

Description

1. Provide and install (complete with accessories) 12-each of "Kim Type E2 Fixtures" and 5-each "Kim Type W2 Fixtures" on existing electrical boxes (provided by others) located on the exterior column and spandrel faces of the Parking Deck as shown on attached drawing E-101.

2. Wire fixtures in item 1 above to panel "LP" and revise panel "LP" to accommodate 2 additional 277 circuits for exterior fixtures as shown on attached drawing E-400.

3. Add Types "E2 & W2" fixtures into Lighting Fixture Schedule as shown on attached drawing E-401.

4. Delete Fixture Type F8 on the exterior walls at entrances to Stair/Elevator #1, Stair #2 and Stair #3 as shown on drawings E-104 & E-105.

Luminaire Ordering Information

RA17 70 to 175 Watt
RA25 150 to 400 Watt

Era™ Series

Fixture Type 'E2' : Kim # 1W/RA172/175MH277/BL-P

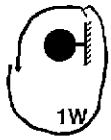
Ordering Example:
For Standard Fixture and Pole

Mounting	Fixture	Electrical Module	Finish	Options	Pole
1A /	RA173 /	175MH277 /	LG-P /	A-33 /	CSS14-534188A / LG-P
1	2	3	4	5-11	12

See pages 20 - 25.
Omit for 1W Wall Mount.

1 Mounting:

Plan View:



Wall Mount (RA17 only)

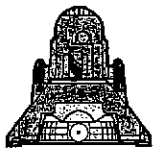
Cat. No.:	1A	2B	3Y	4C	1W
EPA 17":	0.8	1.6	2.4	2.8	n/a
EPA 25":	1.5	3.0	4.5	5.2	n/a

NOTE: **1A, 2B, 3Y** and **4C** mounting arms are part of the Pole Assembly (pages **20 - 25**) or Slipfitter Mount (page **19**). **1W** Wall Mount includes arm, available for **RA17** Luminaire only.

2 Reflector:

See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.

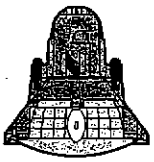
Horizontal Lamp



Flat Lens

Light Distribution:	Type II	Type III	Type IV Forward Throw	Type V Square
Cat. No.: 17"	RA172	RA173	RA174	RA175
25"	RA252	RA253	RA254	RA255

Vertical Lamp

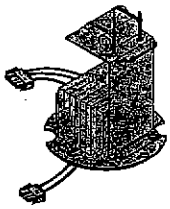


Convex Lens

Light Distribution:	Asymmetric	Symmetric Square
Cat. No.: 17"	RA17F3	RA17F5
25"	RA25F3	RA25F5

3 Electrical Module:

HPS = High Pressure Sodium
MH = Metal Halide
PMH = Pulse Start Metal Halide



Lamp Watts	Lamp Type	Line Volts
400	HPS	277

RA17 17" Housing

70HPS120	100MH120
70HPS208	100MH208
70HPS240	100MH240
70HPS277	100MH277
70HPS347	100MH347
100HPS120	150MH120
100HPS208	150MH208
100HPS240	150MH240
100HPS277	150MH277
100HPS347	150MH347
150HPS120	175MH120
150HPS208	175MH208
150HPS240	175MH240
150HPS277	175MH277
150HPS347	175MH347

RA25 25" Housing

150HPS120	175MH120	175PMH120*
150HPS208	175MH208	175PMH208*
150HPS240	175MH240	175PMH240*
150HPS277	175MH277	175PMH277*
150HPS347	175MH347	
150HPS480	175MH480	
250HPS120	250MH120	250PMH120
250HPS208	250MH208	250PMH208
250HPS240	250MH240	250PMH240
250HPS277	250MH277	250PMH277
250HPS347	250MH347	
250HPS480	250MH480	
400HPS120	400MH120	400PMH120
400HPS208	400MH208	400PMH208
400HPS240	400MH240	400PMH240
400HPS277	400MH277	400PMH277
400HPS347	400MH347	400PMH347
400HPS480	400MH480	400PMH480

*175PMH lamp not for use in horizontal lamp reflectors.

Type E2 (2/3)

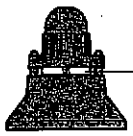
4 Finish:

Super TGIC powder coat paint over chromate conversion coating.

Color:	Black	Dark Bronze	Light Gray	Platinum Silver	White	*Custom Col
Cat. No.:	**BL-P**	**DB-P**	**LG-P**	**PS-P**	**WH-P**	**CC-P**

*Consult representative for custom colors.

5 Optional Glow Ring:



Cat. No.: **GR**

Diffuse tempered glass securely held between the Ballast Ho and the Reflector Housing with stainless steel fasteners and sil gaskets.

6 Optional Photocell:

One per fixture required.

Line Volts:	120V	208V	240V	277V	480V	347V
Cat. No.:	**A-30**	**A-31**	**A-32**	**A-33**	**A-34**	**A-35**

7 Optional Convex Glass Lens:

For Horizontal Lamp Optical Systems.

Cat. No.: **CGL**

Tempered convex glass lens replaces standard flat lens horizontal lamp Type II, Type III, Type IV, and Type V distributi

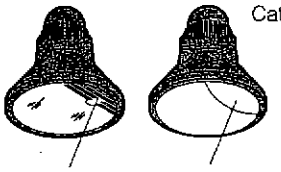
NOTE: Convex lens is standard on all Vertical Lamp Op Systems.

8 Optional Polycarbonate Shield:

Cat. No.: **LS**

Polycarbonate Shield replaces standard tempered glass lens watt maximum. May be used with 400HPS in outdoor loca where ambient air temperature during fixture operation wi exceed 85°F. See "**CAUTION**" on page **19**.

9 Optional Houseside Shield:



Cat. No.: **HS**

Recommended for use with clear lamps only. Effectivene reduced for coated lamps. Not for use with Type V (horiz lamp) or symmetric (vertical lamp) light distributions.

Cat. No.: **HSC**

For use with all fixtures with convex glass lens. Not for use Type V or symmetric light distributions.

10 Optional Fusing:

Line Volts:	120V	208V	240V	277V	347V	480V
Cat. No.:	**SF**	**DF**	**DF**	**SF**	**SF**	**DF**

11 Optional Slipfitter Arm Mounting:

See page **19** for complete details and configurations available.

RA17 Configuration: and Cat. No.: Requires 2" (2⅜" O.D.) Steel Tenon	**Single Crook Arm**	**Side Arm Crook**	**Swept Arm**
	1A **CSS-TM**	1A **CAS-TM1** 2B **CAS-TM2** 3Y **CAS-TM3** 4C **CAS-TM4**	1A **SAS-TM1** 2B **SAS-TM2** 3Y **SAS-TM3** 4C **SAS-TM4**
RA25 Configuration: and Cat. No.: Requires 2½" (2⅞" O.D.) Steel Tenon	**Single Crook Arm**	**Side Arm Crook**	**Swept Arm**
	1A **CSL-TM**	1A **CAL-TM1** 2B **CAL-TM2** 3Y **CAL-TM3** 4C **CAL-TM4**	1A **SAL-TM1** 2B **SAL-TM2** 3Y **SAL-TM3** 4C **SAL-TM4**

12 Poles

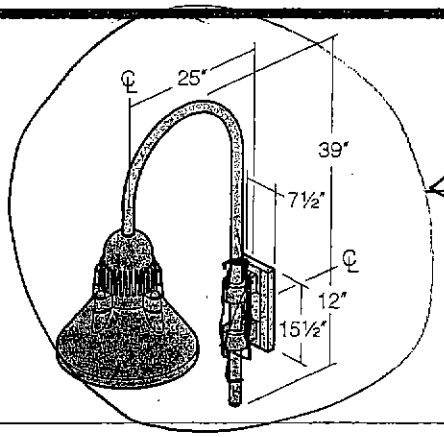
See pages **20 - 25** for complete ordering and specification information.

Option Specificatio

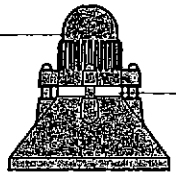
Type 'E2' (3

See pages 16-17 for complete ordering informati

Wall Mounting: Cast aluminum wall mounting plate pre-attaches to wall with bolts (by others). A cast cover with crook attachments hangs on mounting plate during field wiring and fastening. Splice cover supplied. **Available for RA17 luminaire only.** See photo on page 4.



Glow Ring: Diffuse tempered glass securely held between the Ballast Housing and Reflector Housing with stainless steel fasteners and silicone gaskets. Extruded aluminum spacers extend Ballast Housing to Reflector Housing connections. See photo on page **9**.



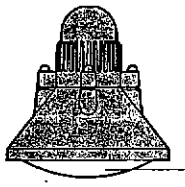
Photocell Control: Factory installed fully gasketed sensor.

Convex Glass Lens: The 3/16″ thick clear convex tempered glass lens replaces the standard flat glass lens in horizontal lamp fixtures. Provides increased lens presence and provides a subtle improvement in uniformity where pole spacing is extreme.

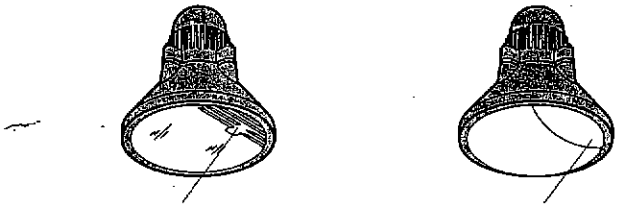
NOTE: Convex Lens is standard on all Vertical Lamp Optical Systems.

Polycarbonate Shield: One piece vacuum formed, clear, UV stabilized convex polycarbonate, fully gasketed, replacing the standard tempered glass lens. 250 watt maximum. May be used with 400 watt HPS in locations where ambient air temperature during fixture operation will not exceed 85°F.

CAUTION: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and metal halide lamps.



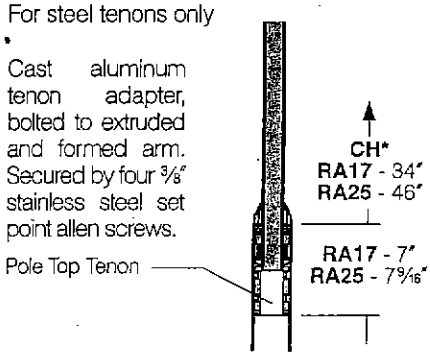
Houseside Shield: (Types II, III, IV, and Asymmetric distributions only). The cutoff horizontal reflectors are available with stamped aluminum louvers that pass streetside light and block houseside light, and a blackened panel added to the reflector to reduce houseside reflections. The vertical reflectors and horizontal reflectors with the optional convex glass lens are available with a formed aluminum shield that passes streetside light and blocks houseside light, and a blackened panel added to the reflector to reduce houseside reflections.



Fusing: High temperature fuse holders factory installed. Fuse is included.

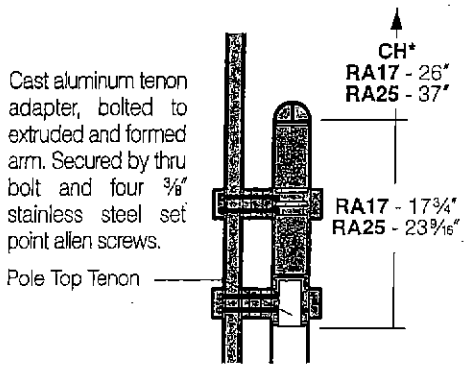
Slipfitter Mounts:
For steel tenons only

Cast aluminum tenon adapter, bolted to extruded and formed arm. Secured by four 3/8″ stainless steel set point allen screws.



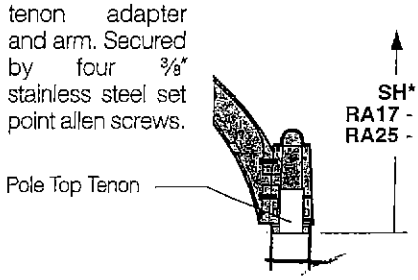
CSS fits 2″ steel pipe-size tenon
CSL fits 2½″ steel pipe-size tenon

Cast aluminum tenon adapter, bolted to extruded and formed arm. Secured by thru bolt and four 3/8″ stainless steel set point allen screws.



CAS fits 2″ steel pipe-size tenon
CAL fits 2½″ steel pipe-size tenon

Cast aluminum tenon adapter and arm. Secured by four 3/8″ stainless steel set point allen screws.



SAS fits 2″ steel pipe-size tenon
SAL fits 2½″ steel pipe-size tenon

***NOTE: CH** and **SH** Detailing and Arm Spacing Dimensions match corresponding pole arm designs, see pages **20 - 24**.

W2 (1/3

Ordering Example: Type W2 : KIM : WD14D2 / 175MH
BL-

FIXTURE	ELECTRICAL MODE	FINISH	OPTIONS
WD14D3	**/ 175MH277**	**/ BL-P**	**/ A-33/ HS / 5DS14**
1	2	3	4 5 6 . . . through **11**

3 Finish

Super TGIC powder coat finish applied to reflector housing, ballast housing and lens frame.

Cat No.	Color
BL-P	Black
DB-P	Dark Bronze
LG-P	Light Gray
PS-P	Platinum Silver
WH-P	White

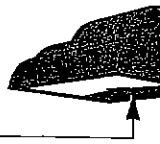
Custom colors subject to additional charges, minimum quantities and longer lead times. Consult factory.

4 Photocell

Factory installed inside housing with fully gasketed sensor on side wall.

Cat No.	Line Volts
A-30	120V
A-31	208V
A-32	240V
A-33	277V
A-34	480V
A-35	347V

5 Houseside Shield



Combination louver shield and black end-panel for reflector. Factory installed to reflector module. Reduces light toward wall by the following amounts:

	APPROXIMATE LIGHT REDUCTION TOWARD WALL		
	Type II	Type III	Type IV
WD14	-43%	-74%	-77%
WD18	-72%	-73%	-84%

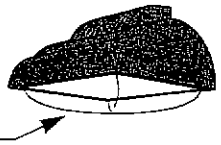
Cat No. **HS**

6 5° Shield

Aluminum shield field-attached to lens frame. Maintains a horizontal cutoff fixture edge when the luminaire is tilted 5°. Finished to match the fixture.

Cat No.
5DS14 For all 14" fixtures.
5DS18 For all 18" fixtures.

7 Polycarbonate Shield



For DOWN fixture models only.
Vacuum formed clear polycarbonate shield replaces standard tempered glass lens. 250W maximum in WD18 (see specs for higher wattage).
CAUTION: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and metal halide lamps.

Cat No. **PS**

8 Fusing

All fusing is factory installed inside the fixture housing.

Cat No. **SF**
Single fusing for 120V, 277V and 347V primary.

Cat No. **DF**
Double fusing for 208V, 240 and 480V primary.

9 Quartz Standby

Integral electronic device energizes a T-4 mini-can socket during lamp warm-up and after a power interruption. De-energizes prior to HID lamp reaching full brightness. T-4 halogen lamp by others; 100W maximum for WD14, 250W maximum for WD18.

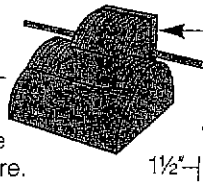
Cat No. **QS**

10 Wall Embedment Plate

For WD18 only.
Zinc plated steel mounting plate for casting into poured concrete walls, beams and columns. Replaces standard mounting plate.
See page 14 for dimensions.

Cat No. **WEP**

11 Surface Conduit Mount

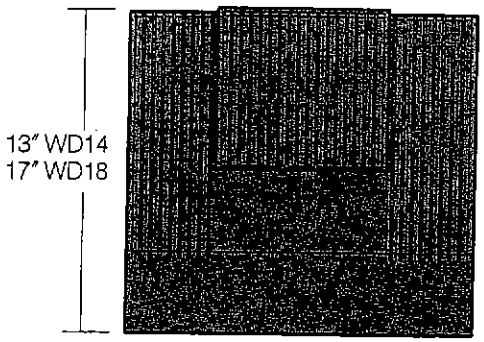


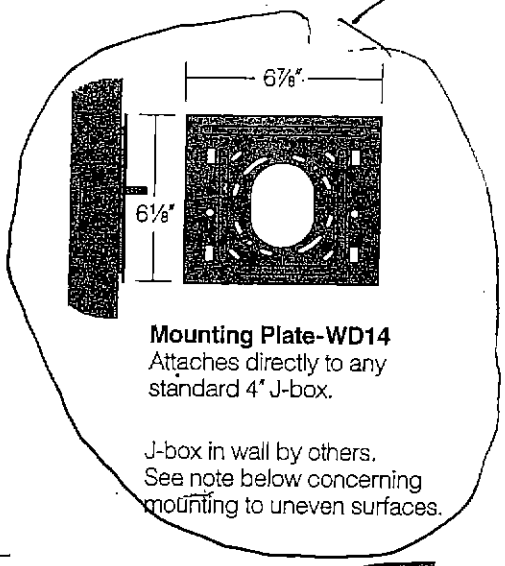
Cast aluminum J-box and fixture mount for attachment (by others) to existing walls, beams or columns. SCM18 has one ¾" NPT conduit tap in each side, top and bottom. SCM14 has one ¾" conduit tap in each side and bottom only. Finished to match the fixture.

Cat No.
SCM14U For WD14 fixtures, UP only.
SCM14D For WD14 fixtures, DOWN only.
SCM18 For all WD18 fixtures, UP or DOWN.

Specifications

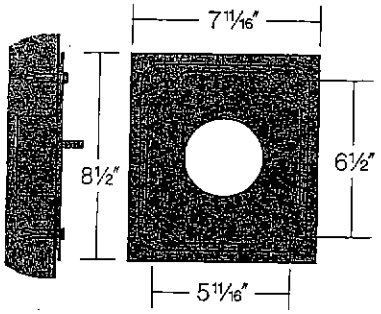
W2 (2/3) Mounting for fixture W2



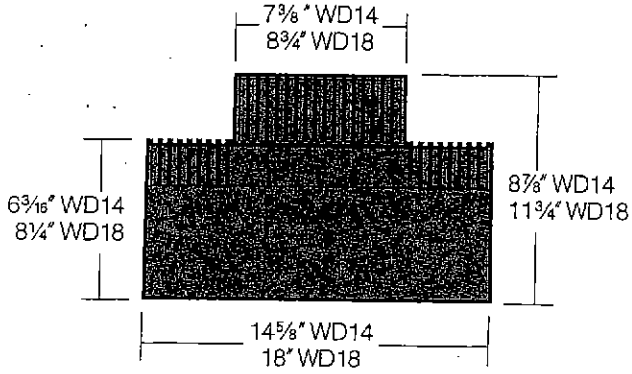


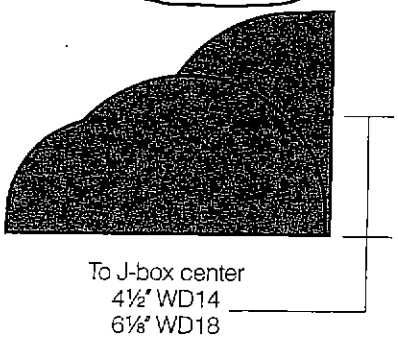
Mounting Plate-WD14
Attaches directly to any standard 4" J-box.

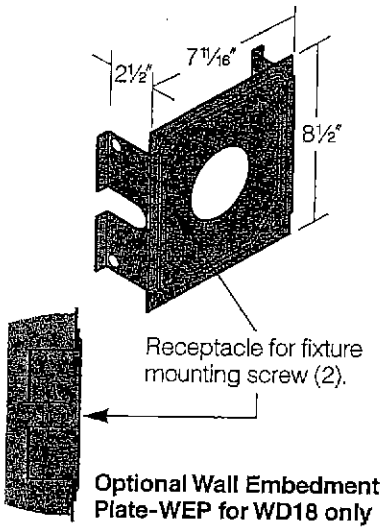
J-box in wall by others. See note below concerning mounting to uneven surfaces.



Standard Mounting Plate-WD18
Must be securely attached to wall outside the J-box perimeter.

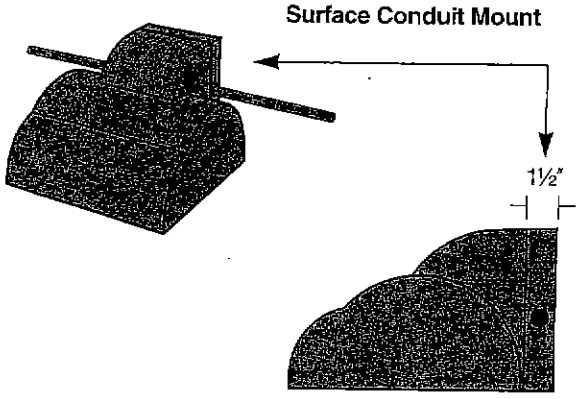


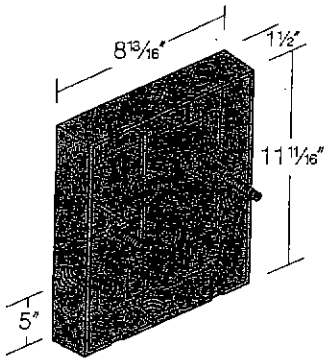




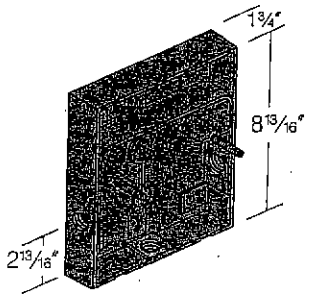
Optional Wall Embedment Plate-WEP for WD18 only

Maximum Fixture Weight:
WD14 (150HPS) - 26 lb
WD18 (400HPS) - 43 lb





Surface Conduit Mount SCM for WD18
Must be securely mounted to wall surface.



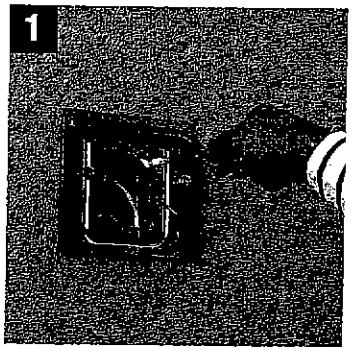
Surface Conduit Mount SCM for WD14
Must be securely mounted to wall surface.

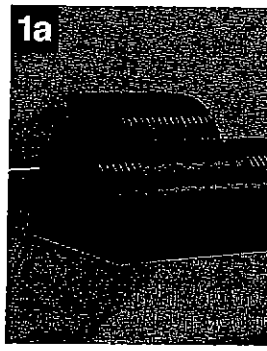
Warning: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

Installation / Maintenance Ease

W2 - 3/3

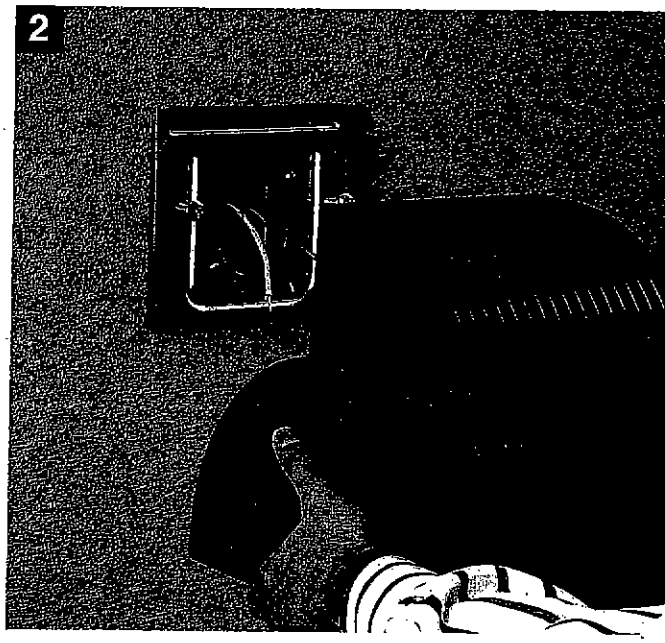
1 All Wall Director mounting plates are zinc plated steel. For the small Wall Director this plate is attached directly to the J-box. Large Wall Directors have two mounting options: a standard plate that must be fastened to the wall surface outside the J-box, or an optional plate for casting into poured concrete walls and columns. See page 13 for WEP or page 14 for Dimensions/Details.



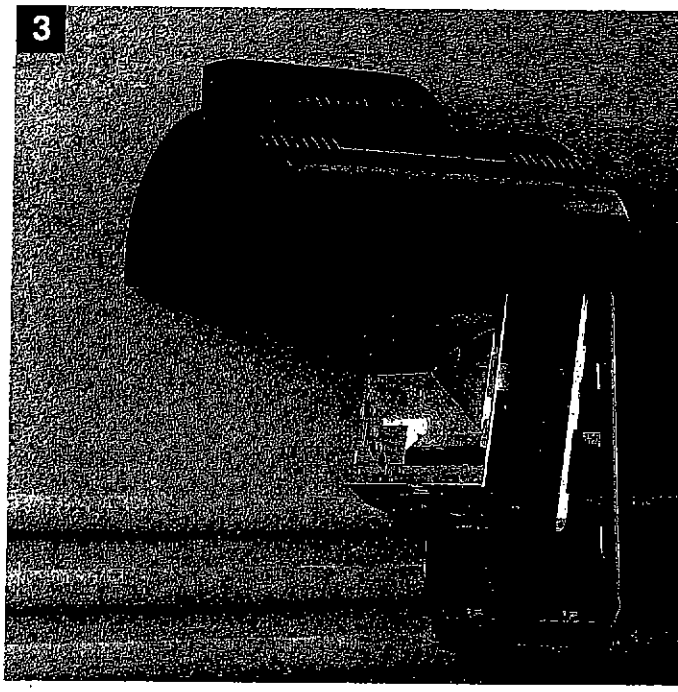


1a The Wall Director may be installed on existing walls having no built-in electrical outlets. An optional Surface Conduit Mount (SCM) functions as both J-box and fixture mount. This mounting device is fastened to the wall allowing external conduit entry. UL listed for through wiring. See page 13 for SCM or page 14 for Dimensions/Details.

2 Studs protruding from the mounting plate allow the Wall Director to be hung by keyhole slots located on the back of the ballast housing. This frees both hands to secure the luminaire and make field wire connections without holding the fixture. Since the reflector module is snapped out prior to fixture mounting, ample space is provided inside the fixture for quick and easy work. Fixture aiming can be done now if the tilt angle has been predetermined. If not, fixture aiming can be accomplished while lighted and observing the visual effect.



3 The final installation step involves snapping the reflector module into the housing, with quick disconnect plugs completing the wiring to the ballast. The reflector module hinges closed, the lens frame hinges shut and quarter turn latches lock and seal the luminaire for weather tight operation. These same features make relamping or ballast access a quick and simple procedure.



Note: For uneven or rough walls exposed to rain, caulking must be applied between the mounting plate and wall to insure a dry J-box. The Wall Director fixture has its own drainage system to prevent water from entering the back of the housing.

DESMAN ASSOCIATES
ARCHITECTS • ENGINEERS • PLANNERS • PARKING CONSULTANTS •

April 23, 2004

Ms. Sara Davis
Alfred Benesch & Company
Owner's Representative for VDG P/F Construction

Re: Village of Downers Grove Parking Facility
Desman Project No. 20123

Dear Sara,

We have reviewed Change Order Request (COR) and offer the following:

1. **COR No. 029 – Deletion of Conduit for Security System**
The total credit of $35, 200.00 is reasonable.

2. **COR No. 030 – Electrical Boxes and Sleeves in Precast**
The total cost of $2, 976.00 is acceptable.

3. **COR No. 031 – Exterior Lighting**
The total cost of $25,260.00 is reasonable. However, request a credit for labor & material of fixtures taken out at entry location of stair towers. Refer to Base Bid Document Drawings E-104 & E-105 (fixture type F8) for fixture locations. A total of 3-fixtures to be credited.

→ 4. **COR No. 034 – Additional Masonry Wall above Foundation Walls**
The total cost of $9, 638.00 is fair.

Please call if you have any questions.

Sincerely,

Desman Associates
A Division of Desman, Inc.

Romy Manabat
Associate

RECEIVED
APR 23 2004
BY:

Cc: Steve Rebora

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

Friday, April 09, 2004

Ms. Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515

RE: Downers Grove Parking Deck
945 Curtiss St. Downers Grove. IL 60515
Project #: 9252
Change Order Request Number 034

RECEIVED
APR 09 2004
BY: MD

Dear Ms. Davis,

We have finalized the required quotations for PCO number **060** for the following extra work **CCD #036: Additional 8" masonry walls at North end of Room 107, and South end of Room 108.**. We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. The following is a detailed itemization of all extra costs:

Item	Description	Amount Proposed	Contractor
001	Furnish / install rebar; install embed plates, delete barrier cable between 7 & 8 lines, ground floor	$263.00	CONSTR
002	Furnish embed plates / clip angles per Detail 1/S-002	$838.00	PIEIRO
003	Furnish / install CMU walls at Nth end of Room 107, and Sth wall of Room 108	$7,455.00	PIAMAS
004	Turner Overhead & Profit - 5.0%	$428.00	TURCON
005	CCIP Workmen Comp - 3.35%	$286.00	TURCON
006	CCIP Liability - 1.55%	$133.00	TURCON
007	SubGuard - Bond - 1.0%	$86.00	TURCON
008	Turner Bond - 0.75%	$64.00	TURCON
009	CCIP & Bond Markup - 15%	$85.00	TURCON

Total Amount **$9,638.00**

We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. See the attached for a detailed breakdown of the costs included in this Change Order Request.

This change will also result in a possible schedule impact of 3 days to the project. If you have any questions regarding this Change Order Request, please call me at your earliest convenience.

Please return one (1) copy of this letter indicating your approval of this Turner Change Order which increases our Contract by Nine thousand six hundred thirty eight and 00/100 ($9,638.00). This approval will also authorize us to issue Subcontract Change Orders as listed on attachment.

Sincerely,

Mel Cramm
Project Manager

Approved By: _____ Date: _____
Sara Davis
Project Manager

cc: File

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax. 630.663.0415

Saturday, February 21, 2004

Mr. Marty Maxey
Concrete Structures of the Midwest, Inc
1845 Western Drive
West Chicago, IL 60185-

RE. Downers Grove Parking Deck
945 Curtiss St. Downers Grove, IL 60515
Project # 9252
RFP for PCO # 060

Dear Mr Maxey,

Enclosed are the documents associated with PCO #060

Please provide a detailed estimate referencing **PCO #060** for the following general description, "CCD #036' Additional 8" masonry walls at North end of Room 107, and South end of Room 108". The scope of work upon which to base your quotation includes. furnish / install rebar, install embed plates, delete barrier cable between 7 & 8 lines, ground floor Provide a full labor, material and equipment estimate indicating all quantities broken down into credits and adds Substantiate any schedule impact associated with the change. Please provide a written quotation by 2/26/2004.

Cost Breakdown			Labor Hours: 7.3 hrs.	CSM Embeds
Labor:	$ 326.65	CSM/UBM		
	$ -110.88	Gateway	-1.3	Gateway Barrier Cables
Material:	$ 12.95		0.75	Gateway Reinforcing
Subtotal:	$ 228.72			
OH & P:	$ 34.31			
Total: $	263.00			

Do not proceed in the field without receipt of an approved and executed Change Order to your contract If you have any questions or require any further assistance, please don't hesitate to call me.

Sincerely,

Mel Cramm
Project Manager

cc: PCO #060

TEMPLATE WK3

CONCRETE STRUCTURES OF THE MIDWEST, INC
27W250 ST CHARLES ROAD
WEST CHICAGO, ILLINOIS 60185

Contract #0304
CSM JOB #0304
DOWNERS GROVE PARKING FACILITY
Turner PCO#060 and RFI# 143 and CCD#036

LABOR EXPENSE

DATE

CLASSIFICATION		Total Hours	Premium Time O T	D T	Rate	Insur. Amount	Payroll Amount
CEMENT FINISHER		0.0			$34.20	$0.00	$0.00
CF FOREMAN		0.0			$35.20	$0.00	$0.00
LABORER	4.00	4.0			$29.00	$116.00	$116.00
L FOREMAN		0.0			$32.00	$0.00	$0.00
OPERATOR		0.0			$38.70	$0.00	$0.00
OILER		0.0			$31.10	$0.00	$0.00
TEAMSTER		0.0			$34.40	$0.00	$0.00
CARPENTER	3.34	3.3			$33.32	$111.29	$111.29
CP FOREMAN		0.0			$35.67	$0.00	$0.00
TECH ENGINEER		0.0			$29.40	$0.00	$0.00
INSTRUMENT MAN		0.0			$24.10	$0.00	$0.00
		0.0				$0.00	$0.00
		0.0				$0.00	$0.00
		7.3	0.0	0.0		$227.29	$227.29

UNION FRINGE:

Operator's Pension & Welfare Fund	0.0 Hrs @	$12.73		$0.00
Finishers Pension & Welfare Fund	0.0 Hrs @	$13.46		$0.00
Carpenter's Pension & Welfare Fund	3.3 Hrs @	$9.65		$32.23
Teamster's Pension & Welfare Fund	0.0 Hrs @	$6.90		$0.00
Laborer's Pension & Welfare Fund	4.0 Hrs @	$7.89		$31.56
Technical Engineer Pension & Welfare	0.0 Hrs @	$6.90		$0.00
Instrument Man Pension & Welfare	0.0 Hrs @	$6.90		$0.00
		SUBTOTAL, LABOR PAYROLL AMOUNT		**$291.08**

PAYROLL ADDITIVES:

Workmens Compensation	0.00%	of	$227.29	$0.00
FICA	7.65%	of	$227.29	$17.39
Federal Unemployment	0.80%	of	$227.29	$1.82
State Unemployment	7.20%	of	$227.29	$16.36
Public Liability	0.00%	of	$227.29	$0.00
	15.65%	**SUBTOTAL, PAYROLL ADDITIVES**		**$35.57**
				$326.65
	PLUS	15.00% of	$326.65	**$49.00**
				$375.65

EQUIPMENT EXPENSE

Description	Total Hrs	U/M	Rate	Total Amount
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
			SUBTOTAL	$0.00

RENTED EQUIPMENT					
					$0.00
				SUBTOTAL FOR RENTED EQUIPMENT	$0.00
				SUBTOTAL FOR ALL EQUIPMENT	$0.00
	PLUS	15.00%	of $0.00		$0.00
TOTAL EQUIPMENT EXPENSE					***$0.00***

MATERIAL EXPENSE

Material used	Quantity	U M	Unit Price	Total Amount
Concrete Epoxy	1.0	gal	$30.00	$30.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
				$0.00
				$0.00
			SUBTOTAL, MATERIAL	$30.00
	PLUS	15.00% of	$30.00	$4.50
TOTAL MATERIAL EXPENSE				***$34.50***

SUBCONTRACTOR EXPENSE

SUBCONTRACTOR	Quantity	U M	Unit Price	Total Amount
Tatec Reinforcing MATERIAL	1.88	CWT	$29.00	$54.52
Amsysco MATERIAL	100.60	LBS	($0.71)	($71.57)
Gateway Barrier Cables MATR	100.60	LBS	($1.10)	($110.88)
				$0.00
			SUBTOTAL, SUBCONTRACT	($127.93)
TOTAL SUBCONTRACTOR EXPENSE				***($127.93)***

SUMMARY

	$375.65
	$0.00
	$34.50
	($127.93)
SUBTOTAL	$282.22
0.00% OF	
GRAND TOTAL	***$282.22***

VILLAGE OF DOWNERS GROVE
PARKING FACILITY
Project No. 14-00

Construction Change Directive No. 036

Date: 12 February 2004

To: John Doherty, Turner Construction Company

Subject: Sprinkler Room and Storage Room Walls

Turner Construction Company (Contractor) is hereby directed by the Village of Downers Grove, as provided for in Article 7.3 of the General Conditions of the Contract, to comply with the following:

Description:
Close the north wall of Room 107 (Sprinkler Room) and the south wall of Room 108 (Storage Room No. 1) by providing an 8" CMU wall above the CIP walls to the underside of the P/T slab above, on lines B and C between lines 7 and 8. Refer to Detail 1 on Drawing No. S-002 for reinforcement and connections at top and bottom of the CMU walls. Align the exterior of each CMU wall with the edge of the CIP wall. Eliminate the barrier cables between lines 7 and 8 on the ground level.

Reason:
Sections 2 and 3 on Drawing No. S-105 show openings above the ground level crash walls between lines 7 and 8, while Drawing No. A-101 shows those locations to walls of rooms that should be enclosed. Refer to RFI #143, attached.

Expected Construction Schedule Adjustment:
__Extension of ___ days * __Reduction of ___ days * X_None ___ Submit Time Adjustment Proposal *

Expected Construction Cost Adjustment:
__Add'l Cost: $_____ * __Credit: $_____ * __None __Unit Price X_ Submit Cost Adjustment Proposal *

Please check the appropriate response below and return a signed copy of this document to the Owner's Representative within 5 business days.

___ Contractor agrees with the above terms. *

___ Contractor disagrees with the above terms and will submit a Proposal or a Request for Change Order. *

_____
Turner Construction Company Representative

_____
Date

* A Change Order will be issued when Owner and Contractor agree upon Schedule and/or Cost adjustments.

Cc: R. Manabat, Desman
M. Millette, VDG Public Works – Engineering
J. Skach, VDG Planning & Community Development
File

Sara L. Davis, PE, SE
alfred benesch & company
Owner's Representative

CCD 036.doc

RFI #143

Turner Construction Company
Tel: 630-663-0431
Fax: 630-663-0415

Project #8282 - Downers Grove Parking Deck
945 Curtiss St. Downers Grove, IL 60515

RFI # [illegible] Date Initiated: [illegible] Date Required: [illegible]

[illegible]

Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515
Phone: 630-434-6895 Fax: 630-434-6896

Pat Donovan
Turner Construction Company
945 Curtis Street
Downers Grove, IL 60515
Phone: 630-663-1977 Fax: 630-663-0415

[illegible]

Sprinkler room and storage room walls

Drawing References:
Dwg No. Rev No Revision Date Title

Spec Section References:
Sketch References:

Question:
Regarding drg. A-101, the sprinkler room North wall shows a concrete wall, this wall though is the ramp wall with the barrier cables above it. This means that the sprinkler room is not fully enclosed. A similar situation exists on the South wall in storage room No. 1 (108). If a wall is built in these rooms there are a no. of things that need to be addressed. Additional embeds in the level 2 slab pour. If the wall is built inside the ramp wall, does this affect plumbing/sprinkler pipework in 107 and does this affect the electrical vault in room 108 which is already set.

Suggestion:
best option may be to build the masonry wall on top of the ramp wall from 7-8 line and eliminate the PT barrier cables in this bay, take up barrier cable install again from 8-10 line.

Date Answered:

Answer:
Provide 8" C.M.U. wall above C.I.P. wall to underside of P/T slab above. Provide #4 @ 12" O.C. dowels (applies to both sprinkler & storage rooms). Eliminate barrier cables between column lines 7 & 8.

Date: 1-29-04

Signature: [signature]

Contact Name Copies Fax Number Notes

Cc. Company Name

RECEIVED
JAN 22 2004
BY: [initials]

Page 1 of 1

Printed on: 1/21/2004

Turner Construction Company

RECEIVED
JAN 29 2004
BY: [initials]

PIERINI
IRON WORKS, INC.

1224 N. HOOKER ST. • CHICAGO, ILLINOIS 60622-2434
312/421-1100 • FAX 312/421-5111

3-3-2004

Mr. Mel Cramm
Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515

RE: Downers Grove Parking Facility
CCD #36
PCO #060

Mel,
Enclosed is the change order per your request dated 2/21/04 RFP for PCO #60 for the following general description CCD#36: Additional 8" masonry walls at north end of room 107 and south end of room 108 showing the price break down for new (8) galvanized clips as shown on detail 1/S-002.

Cost breakdown:

Labor:	$283.96
Equipment:	$ 20.00
Material + Frt:	$462.47
Sub-Total	$766.43
OH & P:	$ 72.37
Total:	$838.80

Labor Hours: 4 @ 70.99 (Inc. OH+P)

$838.80 (Total required for this change order)

If you have any questions or require any further assistance, please don't hesitate to call me.

Note: We can not proceed in the field without receipt of an approved and executed change order.

Sincerely,

Al Salman
Project Manager

Turner

Company letterhead

Date 4-8-04

Mel Cramm
Sr PM
Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515

RE: Downers Grove Parking Facility

Dear

Text

Description of change(s):

Detail of change(s): CCD #036

Drawing Sheet references: A ____
S ____
M ____
E ____
P ____

Cost Breakdown:

- Labor: $ 5716.00
- Equipment: $ 934.00
- Material: $ 1100.00

Labor Hours: 80 hrs @ 63.95
Includes OH+P

Subtotal: $ 7150.00

- OH & P: $ 305.00 — Equip. + Material

Total: $ 7455.60

Text & authorized project manager's signature.

E

VILLAGE OF DOWNERS GROVE
PARKING FACILITY

Project No. 14-00

Construction Change Directive No. 036

Date: 12 February 2004

To: John Doherty, Turner Construction Company

Subject: Sprinkler Room and Storage Room Walls

Turner Construction Company (Contractor) is hereby directed by the Village of Downers Grove, as provided for in Article 7.3 of the General Conditions of the Contract, to comply with the following:

Description:
Close the north wall of Room 107 (Sprinkler Room) and the south wall of Room 108 (Storage Room No. 1) by providing an 8" CMU wall above the CIP walls to the underside of the P/T slab above, on lines B and C between lines 7 and 8. Refer to Detail 1 on Drawing No. S-002 for reinforcement and connections at top and bottom of the CMU walls. Align the exterior of each CMU wall with the edge of the CIP wall. Eliminate the barrier cables between lines 7 and 8 on the ground level.

Reason:
Sections 2 and 3 on Drawing No. S-105 show openings above the ground level crash walls between lines 7 and 8, while Drawing No. A-101 shows those locations to walls of rooms that should be enclosed. Refer to RFI #143, attached.

Expected Construction Schedule Adjustment:
__Extension of ___ days * __Reduction of ___ days * X_None __ Submit Time Adjustment Proposal *

Expected Construction Cost Adjustment:
__ Add'l Cost: $_____ * __Credit: $_____ * __None __Unit Price X_ Submit Cost Adjustment Proposal *

Please check the appropriate response below and return a signed copy of this document to the Owner's Representative within 5 business days.

___ Contractor agrees with the above terms. *

X Contractor disagrees with the above terms and will submit a Proposal or a Request for Change Order. *

Turner Construction Company Representative

2/13/04
Date

* A Change Order will be issued when Owner and Contractor agree upon Schedule and/or Cost adjustments.

Cc: R. Manabat, Desman
M. Millette, VDG Public Works – Engineering
J. Skach, VDG Planning & Community Development
File

Sara L. Davis, PE, SE
alfred benesch & company
Owner's Representative.

CCD 036.doc

RECEIVED
FEB 13 2004
BY:

RFI #143

Project #9252 - Downers Grove Parking Deck
945 Curtiss St. Downers Grove, IL 60515

Turner Construction Company
Tel: 630-663-0431
Fax: 630-663-0415

RFI #: 143	Date Created: 1/21/04	Date Required: 1/26/04

TO:
Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515
Phone: 630-434-6895 Fax: 630-434-6896

FROM:
Pat Donovan
Turner Construction Company
945 Curtis Street
Downers Grove, IL 60515
Phone: 630-663-1977 Fax: 630-663-0415

Subject: **Discipline:** **Category:**
Sprinkler room and storage room walls

Drawing References:
Dwg No. Rev No Revision Date Title

Spec Section References:
Sketch References:

Question:
Regarding drg. A-101, the sprinkler room North wall shows a concrete wall, this wall though is the ramp wall with the barrier cables above it. This means that the sprinkler room is not fully enclosed. A similar situation exists on the South wall in storage room No. 1 (108). If a wall is built in these rooms there are a no. of things that need to be addressed. Additional embeds in the level 2 slab pour. If the wall is built inside the ramp wall, does this affect plumbing/sprinkler pipework in 107 and does this affect the electrical vault in room 108 which is already set.

Suggestion:
best option may be to build the masonry wall on top of the ramp wall from 7-8 line and eliminate the PT barrier cables in this bay, take up barrier cable install again from 8-10 line.

Date Answered:

Answer:
Provide 8" C.M.U. wall above C.I.P. wall to underside of P/T slab above. Provide #4 @ 12" o.c. dowels (applies to both sprinkler & storage Rooms). Eliminate barrier cables between column lines 7 & 8.

Date: 1-29-04

Signature: [signature]

Cc: Company Name	Contact Name	Copies	Fax Number	Notes

RECEIVED JAN 22 2004 BY: [initials]

TCCO - RFI Individual Printout.rpt (9/25/02) Turner Construction Company Printed on: 1/21/2004

RECEIVED JAN 29 2004 BY: [initials]

01/22/2004 08:58 6306630415 TURNER CON PAGE 02/03

VILLAGE OF DOWNERS GROVE
PARKING FACILITY

Project No. 14-00

Change Order No. 010 *DRAFT*

Date: 12 May 2004

Subject: Irrigation Lines, Structural Soil

Reference: COR No.'s 032, 035 CCD No.'s 021, 030

The following is hereby agreed upon as a change in the Agreement between the Village of Downers Grove and Turner Construction Company for construction of the Village of Downers Grove Parking Facility, as provided for in Article 7.2 of the General Conditions of the Contract:

Description of Change in the Work:

A. Provide water supply lines and connections for the irrigation line to the west of the project site as shown on the sketches attached to CCD 021. The water supply for "Future Connection to Alley Improvements" as shown on C-007 shall be as shown in the sketch provided by GEC, "Partial Water Retention Plan", except that no ground hydrant shall be provided. The B-box shall be located at the western limit of the project site as shown in the attached detail, rather than near the curb and gutter as shown in the Issued for Construction plans.

   Delete the irrigation line along the west side of the Curtiss Street entrance drive from the Contract. See attached sketch.

B. Incorporate the Specifications, "Structural Soil" and "Pipe Underdrains, 4", Fabric Lined Trench", and the details attached to CCD 030 into the Contract Documents.

Reason for Change in the Work:

A. Details for water supply lines and connections for irrigation lines were not included in the Issued for Construction plans. The Village has determined that the irrigation line along the west side of the Curtiss Street entrance drive is unnecessary.

B. The attached details and specifications are the Village standards for trees in sidewalks, but they were not included in the Issued for Construction set.

Construction Schedule Adjustment:

Calendar days added or subtracted (+ or -): **0**

Revised date of substantial completion: _____

Construction Cost Adjustment:

Cost or credit amount (+ or -):	A.	**$7,121.00**
	B.	**$21,502.00**
Net cost adjustment:		**$28,623.00**
Revised amount * of Contract Sum:		**$11,985,932.00**

* May not include adjustments for all other pending or recently signed Change Orders.

Village of Downer's Grove Representative	Position	Date
Turner Construction Company Representative	Position	Date

A

Sara Davis

From: Parks, Brian [bparks@downers.us]
Sent: Thursday, May 06, 2004 11:15 AM
To: 'sdavis@benesch.com'
Subject: FW: COR's No. 032, 035

Let's try this again. I guess it didn't go through the first time.

Brian

-----Original Message-----
From: Parks, Brian
Sent: Wednesday, May 05, 2004 4:03 PM
To: 'sdavis@benesch.com'
Cc: Millette, Mike
Subject: COR's No. 032, 035

Sara,

After reviewing the subject Change Order requests and consulting with Mike Millette, the comments are as follows:

COR #32 Irrigation Lines

We have reviewed the request, and believe that Turner's request for an additional $7,121.10 is justified for the Parking Deck project.

Please proceed with the Village's recommendation for COR No. 32.

COR #35 Structural Soil

We have reviewed the request, and believe that Turner's request for an additional $21,502.00 is justified for the Parking Deck project.

Please proceed with the Village's recommendation for COR No. 35.

Brian Parks
Senior Engineer
Public Works Department
5101 Walnut Avenue
Downers Grove, IL 60515-4074
Direct Phone: 630.434.6822
General Phone: 630.434.5460

RECEIVED
MAY 06 2004
BY:

Facsimile: 630.434.5495
E-mail: bparks@downers.us

A.

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

Wednesday, April 07, 2004

Ms. Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515

RECEIVED
APR 0 9 2004
BY:

RE: Downers Grove Parking Deck
945 Curtiss St. Downers Grove. IL 60515
Project #: 9252
Change Order Request Number 032

Dear Ms. Davis,

We have finalized the required quotations for PCO number **043** for the following extra work **CCD #021: Revisions to Irrigation Lines**. We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. The following is a detailed itemization of all extra costs:

Item	Description	Amount Proposed	Contractor
001	CCD #021: Revisions to Irrigation Lines	($1,605.00)	DAWCOM
002	CCD #021: Revisions to irrigation lines	$7,927.00	PERPLU
003	Turner Overhead & Profit - 5.0%	$316.10	TURCON
004	CCIP Workmen Comp - 3.35%	$212.00	TURCON
005	CCIP Liability - 1.55%	$98.00	TURCON
006	SubGuard - Bond - 1.0%	$63.00	TURCON
007	Turner Bond - 0.75%	$47.00	TURCON
008	CCIP & Bond Markup - 15%	$63.00	TURCON

Total Amount **$7,121.10**

We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. See the attached for a detailed breakdown of the costs included in this Change Order Request.

Please return one (1) copy of this letter indicating your approval of this Turner Change Order which increases our Contract by Seven thousand one hundred twenty one and 10/100 ($7,121.10). This approval will also authorize us to issue Subcontract Change Orders as listed on attachment.

Sincerely,

Mel Cramm
Project Manager

Approved By: _____ Date: _____
Sara Davis
Project Manager

cc: File

CHANGE ORDER REQUEST

Dawn COMPANIES, INC.

Change Order Request #: **23506-0002**

Date: ~~1/15/2004~~ 3/25/04

Project: Downers Grove Parking Facility **Project #: 23506**

To:	**Turner Construction Company (DG)**	**From:**	**Dawn Companies, Inc.**
Attn:	**Mel Cramm**		**Nancy Lach**
	945 Curtiss Street		**400 S. LaGrange Road**
	Downers Grove, IL 60515		**Frankfort, IL 60423-1644**
Ph.:	(630) 663-0431 **Fax:** (630) 663-0415	**Ph.:**	(815) 469-5989 **Fax:** (815) 469-0030

We hereby propose to make the following changes:

CCD #021 - Revisions to irrigation line

Change Order Price	**($1,605.00)**
Original Contract Amount	$292,189.00
Previous Executed Change Orders	$0.00

This price is good for 0 days. If conditions change, this price is void.
We are requesting a time extension of 0 days in conjunction with this change.

Nancy Lach — Author

1/15/2004 — Date

Accepted The above prices and specifications of this Change Order request are satisfactory and are hereby accepted. All work to be performed under same terms and conditions as specified in original contract unless otherwise specified.

Authorized Signature

Date of Acceptance

CHANGE ORDER REQUEST SUMMARY

Project: Downers Grove Parking Facility Change Order Request #: **23506-0002**

Labor

Labor Type	MHrs	$/Hr	Burden	Fringe	Tax	Total
Foreman	-4	$55.21	$0.00	$0.00	$0.00	($220.84)
Laborer	-8	$42.96	$0.00	$0.00	$0.00	($343.68)
Operator	-8	$55.80	$0.00	$0.00	$0.00	($446.40)
					Subtotal	($1,010.92)

Material

Material	Quantity	Cost	Tax	Total
1-1/2" Type K Copper	-250	$2.00	$0.00	($500.00)
1-1/2" Valve & box	1	$155.00	$0.00	$155.00
			Subtotal	($345.00)

Equipment

Type	Quantity	Rental Cost	Tax	Total
410D John Deere with 4-wheel drive & extend hoe	-4	$36.00	$0.00	($144.00)
			Subtotal	($144.00)

Total Cost	($1,499.92)
Overhead	($104.99)
Round	($0.09)
Total	($1,605.00)

PERFORMANCE PLUMBING & HEATING CO.
13601 South Kenton Avenue, Crestwood, IL 60445-1938
(Phone) 708-396-0136
(Fax) 708-396-0137

COST ISSUE / PROPOSAL QUOTATION NO. P0328-011r1

PROJECT: DOWNERS GROVE PARKING FACILITY
QUOTE NO.: P0328-011r1 **DATE QUOTED:** 03/16/03

TO: Mel Cramm
TURNER CONSTRUCTION COMPANY
945 Curtiss Street
Downers Grove, IL 60515
(Phone) 630-663-0431 (Fax) 630-663-0415

PROJECT NO.: P0328
ARCH. PROJECT NO.:
DAYS ALLOWED FOR APPROVAL: 3
EXPIRATION DATE: 03/19/03
REQUESTED EXTENSION OF TIME IN DAYS:

DESCRIPTION:
PCO # 043 DATED 11/21/03 CONSTRUCTION CHANGE DIRECTIVE # 021 DATED 11/18/03
11/2" IRRIGATION WATER SUPPLY LINE

SUBCONTRACTORS / VENDORS	SUB / VENDOR WORK DESCRIPTION	AMOUNT:
	SELF PERFORMED WORK	$6,893

APPROVAL

ARCH:
DATE:
OWNER:
DATE:

SUBTOTAL:		$6,893
FEE PERCENT:	15%	$1,034
		$7,927
N/A	0%	$0
TOTAL REQUEST AMOUNT:		$7,927

DISTRIBUTION

PERFORMANCE PLUMBING & HEATING CO.
Signed By:
Robert P. Downey, Project Manager
Date: 3/16/03

PERFORMANCE PLUMBING & HEATING CO.

Cost Issue / Proposal Quotation No. : P0328-011r1

Work Breakdown Page 1

Project: DOWNERS GROVE PARKING FACILITY
Project No.: P0328
Date: 11/25/03

		Unit Costs				*Extended Costs*			
Cost Code & Description	**Quantity**	**Material**	**Labor**	**Equip**	**Other**	**Material**	**Labor**	**Equip**	**Other**
*** SEE ATTACHED MATERIAL LIST ***	1	$2480.00				$2,480	$0	$0	$0
Engineering & Scheduling	8		$55.21			$0	$442	$0	$0
Plumber Foreman Hrs.	8		$55.21			$0	$442	$0	$0
Plumber Hrs.	32		$52.79			$0	$1,689	$0	$0
Backhoe W/ Operator	16				$115.00	$0	$0	$0	$1,840
PROPOSAL CLARIFICATIONS									
1)ADDITIONAL MATERIAL AND LABOR REQUIRED TO EXTENDED THE 11/2" WATER LINE BEYOND COLUMN LINE #1 IS INCLUDED IN THIS CHANGE									
2) SLAB X-RAY IS NOT INCLUDED									
Labor Burden	**Equipment Markup**			**Sales Tax**	0.00%	$0	$0	$0	$0
	Other Markup			**Material Markup**		$0			
Page 1 Subtotals						$2,480	$2,573	$0	$1,840
Page 1 Overhead on Self Performed Work				**Overhead**					$0
Page 1 Total Self Performed Work									$6,893

Performance Plumbing
Contractors Cost Report

There were 5 calculation messages.
Project Name: Downers Grove Parking Garage
Bid ID: P0328
Data Calculated: 3/16/2004 11:15:31 AM
Base Bid; Drawing: CCD 021; Phase: ADD; C.O.#: P0328-011; (Shop toggle on)

Report Time: 3/16/2004 11:18:17AM

Pipe

Copper - Type K - 95/5

Material Multplier: P2000 - Copper Tube - CER

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Hard Tube	1-1/2	35	7.34	257	0.00	0	0	256.90
Soft Tube	1-1/2	40	9.48	379	0.00	0	0	379.20
Copper - Type K - 95/5 Totals:		**75**		**636**		**0**	**0**	**636**

Copper - Type L - 95/5

Material Multplier: P2000 - Copper Tube - CER

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Hard Tube	1-1/2	10	5.99	60	0.00	0	0	59.90
Copper - Type L - 95/5 Totals:		**10**		**60**		**0**	**0**	**60**

Pipe Totals:	**85**	**696**		**0**	**0**	**696**

Nipples

Copper - Short Piece - 95/5

Material Multplier: N2000 - Copper Nipples

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Short Piece	1-1/2	4	0.00	0	0.00	0	0	0.00
Copper - Short Piece - 95/5 Totals:		**4**		**0**		**0**	**0**	**0**

Nipples Totals:	**4**	**0**	**0**	**0**	**0**

Fittings

Copper - Flared - Flare

Material Multplier: F2700 - Copper Fittings - NIB

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Union	1-1/2	1	53.44	53	0.00	0	0	53.44
Copper - Flared - Flare Totals:		**1**		**53**		**0**	**0**	**53**

Copper - Pressure - 95/5

Material Multplier: F2700 - Copper Fittings - NIB

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
45 Deg Elbow	1-1/2	2	8.18	16	0.00	0	0	16.36
90 Deg Elbow								

Performance Plumbing
Contractors Cost Report

There were 5 calculation messages.
Project Name: Downers Grove Parking Garage
Bid ID: P0328
Data Calculated: 3/16/2004 11:15:31 AM
Base Bid; Drawing: CCD 021; Phase: ADD; C.O.#: P0328-011; (Shop toggle on)

Fittings

Copper - Pressure - 95/5

Material Multplier: F2700 - Copper Fittings - NIB

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
90 Deg Elbow	1-1/2	4	7.68	31	0.00	0	0	30.72
Cap	1-1/2	1	3.92	4	0.00	0	0	3.92
Coupling	1-1/2	4	4.44	18	0.00	0	0	17.76
Tee-Reducing	1-1/2 1-1/2 1-1/4	1	12.42	12	0.00	0	0	12.42
Copper - Pressure - 95/5 Totals:		**12**		**81**		**0**	**0**	**81**
Fittings Totals:		**13**		**135**		**0**	**0**	**135**

Valves

Bronze - Soldered Ball - 95/5

Material Multplier: V0RA0 - NIB - Bronze Ball Valves - NIB

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
150# Nib S-585-70	1-1/2	1	71.00	71	0.00	0	0	71.00
Bronze - Soldered Ball - 95/5 Totals:		**1**		**71**		**0**	**0**	**71**
Valves Totals:		**1**		**71**		**0**	**0**	**71**

Hanger Components

- Clevis -

Material Multplier: H0001 - Hanger Materials - GRN

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Fig CT6 Clevis CU	1-1/2	5	2.22	11	0.00	0	0	11.10
- Clevis - Totals:		**5**		**11**		**0**	**0**	**11**

- Riser Clamps -

Material Multplier: H0001 - Hanger Materials - GRN

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Fig CT121 CU Clamp	1-1/2	3	11.61	35	0.00	0	0	34.83
- Riser Clamps - Totals:		**3**		**35**		**0**	**0**	**35**

- Rods -

Performance Plumbing
Contractors Cost Report

There were 5 calculation messages.
Project Name: Downers Grove Parking Garage
Bid ID: P0328
Data Calculated: 3/16/2004 11:15:31 AM
Base Bid; Drawing: CCD 021; Phase: ADD; C.O.#: P0328-011; (Shop toggle on)

Hanger Components

- Rods -

Material Multplier: H0003 - Hanger Materials - C&P

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Allthread - Galv	3/8	10	2.07	21	0.00	0	0	20.70
- Rods - Totals:		**10**		**21**		**0**	**0**	**21**

- Struct Attach-Conc -

Material Multplier: H0001 - Hanger Materials - GRN

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Fig 281 Insrt Gal	3/8	5	10.88	54	0.00	0	0	54.40
- Struct Attach-Conc - Totals:		**5**		**54**		**0**	**0**	**54**

Hanger Components Totals:	**23**	**121**	**0**	**0**	**121**

Excav & Backfill

- Backfill -

Material Multplier: XNET - Net Material Price

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Backfill	Stone Backfill	16	15.00	240	0.00	0	0	240.00
- Backfill - Totals:		**16**		**240**		**0**	**0**	**240**

- Hauling -

Material Multplier: XNET - Net Material Price

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Remove Spoil	Spoils Removal	20	18.00	360	0.00	0	0	360.00
- Hauling - Totals:		**20**		**360**		**0**	**0**	**360**

Excav & Backfill Totals:	**36**	**600**	**0**	**0**	**600**

Misc. Consumables

- Copper Joints Emory Cloth -

Material Multplier: XNET - Net Material Price

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Emory Cloth	Emory Cloth	0	0.64	0	0.00	0	0	0.13
- Copper Joints Emory Cloth - Totals:		**0**		**0**		**0**	**0**	**0**

Performance Plumbing
Contractors Cost Report

There were 5 calculation messages.
Project Name: Downers Grove Parking Garage
Bid ID: P0328
Data Calculated: 3/16/2004 11:15:31 AM
Base Bid; Drawing: CCD 021; Phase: ADD; C.O.#: P0328-011; (Shop toggle on)

Misc. Consumables

- Copper Joints Flux -

Material Multplier: CDE00 - Cast Iron Soil SV Pipe & Ftgs - TYL

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Flux	Sta-Brite Flux	0	9.64	2	0.00	0	0	1.93
- Copper Joints Flux - Totals:		**0**		**2**		**0**	**0**	**2**

- Copper Joints Solder -

Material Multplier: SOLDER - Lead Free Canfields Solder

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Solder	95/5	0	16.60	3	0.00	0	0	3.32
- Copper Joints Solder - Totals:		**0**		**3**		**0**	**0**	**3**

- Gases -

Material Multplier: GASES - GASES

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Gases	Propane	10	1.10	11	0.00	0	0	11.20
- Gases - Totals:		**10**		**11**		**0**	**0**	**11**
Misc. Consumables Totals:		**11**		**17**		**0**	**0**	**17**

Misc. Steel Items

- Bolts,Nuts&Washers -

Material Multplier: H0003 - Hanger Materials - C&P

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Nuts - Galvanized	3/8	20	0.25	5	0.00	0	0	5.00
Washers- Galvanized	3/8	20	0.25	5	0.00	0	0	5.00
- Bolts,Nuts&Washers - Totals:		**40**		**10**		**0**	**0**	**10**
Misc. Steel Items Totals:		**40**		**10**		**0**	**0**	**10**

Penetrations

- Core Holes -

Material Multplier: XNET - Net Material Price

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Wall Cores	3	1	750.00	750	0.00	0	0	750.00

Performance Plumbing
Contractors Cost Report

There were 5 calculation messages.
Project Name: Downers Grove Parking Garage
Bid ID: P0328
Data Calculated: 3/16/2004 11:15:31 AM
Base Bid; Drawing: CCD 021; Phase: ADD; C.O.#: P0328-011; (Shop toggle on)

Penetrations

- Core Holes - Totals:	1	750		0	0	750

- Stopping -

Material Multplier: XNET - Net Material Price

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Link Seal	1-1/2	2	27.50	55	0.00	0	0	55.00
- Stopping - Totals:		2		55		0	0	55
Penetrations Totals:		3		805		0	0	805

Sleeves

Carbon Steel - Sleeve - Wall Interior - InstBlk

Material Multplier: SLEEVE - Sleeve - Net Material Price

Item	Size	Qty	Price	Mat. Cost	Unit Lab. Hrs	Total Hrs	Labor Cost	Total Cost
Pipe Sleeve	8	1	26.02	26	0.00	0	0	26.02
Carbon Steel - Sleeve - Wall Interior - InstBlk Totals:		1		26		0	0	26
Sleeves Totals:		1		26		0	0	26

	Material Cost	Total Hrs.	Labor Cost	Total Cost
Grand Totals	**$2,480**	**0**	**$0**	**$2,480**

VILLAGE OF DOWNERS GROVE
PARKING FACILITY
Project No. 14-00

Construction Change Directive No. 021

Date: 18 November 2003

To: John Doherty, Turner Construction Company

Subject: Irrigation Lines

Turner Construction Company (Contractor) is hereby directed by the Village of Downers Grove, as provided for in Article 7.3 of the General Conditions of the Contract, to comply with the following:

Description:

Provide water supply lines and connections for the irrigation line to the west of the project site as shown on the attached sketches. The water supply for "Future Connection to Alley Improvements" as shown on C-007 shall be as shown in the sketch provided by GEC, "Partial Water Retention Plan", except that no ground hydrant shall be provided. The B-box shall be located at the western limit of the project site as shown in the attached detail, rather than near the curb and gutter as shown in the Issued for Construction plans.

Delete the irrigation line along the west side of the Curtiss Street entrance drive from the Contract. See attached sketch.

Reason:

Details for water supply lines and connections for irrigation lines were not included in the Issued for Construction plans. The Village has determined that the irrigation line along the west side of the Curtiss Street entrance drive is unnecessary.

Expected Construction Schedule Adjustment:
__Extension of ___ days * __Reduction of ___ days * X_None __ Submit Time Adjustment Proposal *

Expected Construction Cost Adjustment:
__ Add'l Cost: $_____ * __Credit: $_____ * __None __Unit Price X_Submit Cost Adjustment Proposal *

Please check the appropriate response below and return a signed copy of this document to the Owner's Representative within 5 business days.

___ Contractor agrees with the above terms. *

___ Contractor disagrees with the above terms and will submit a Proposal or a Request for Change Order. *

_____
Turner Construction Company Representative

_____
Date

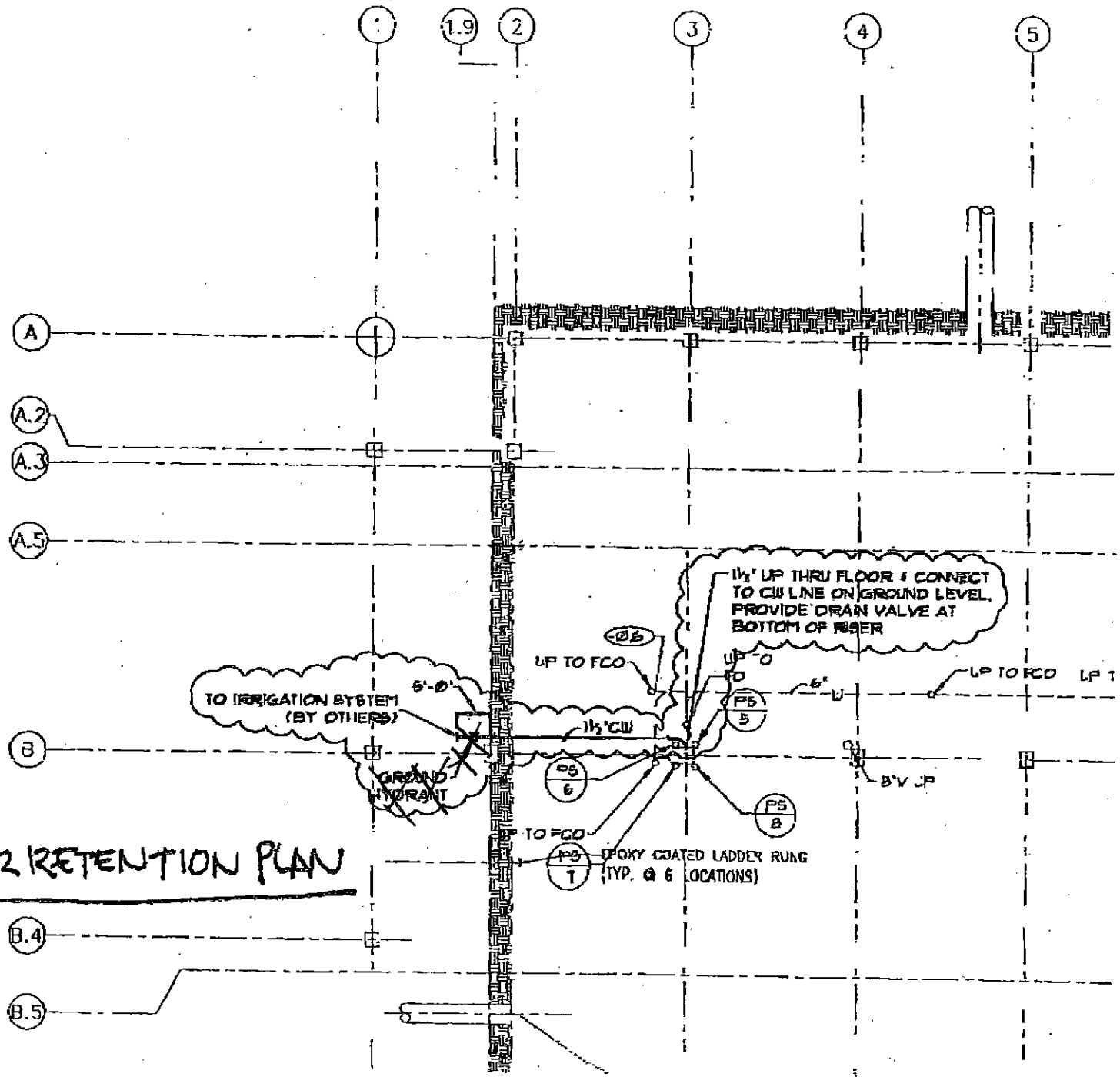
---

* A Change Order will be issued when Owner and Contractor agree upon Schedule and/or Cost adjustments.

Sara L. Davis, PE, SE
alfred benesch & company
Owner's Representative

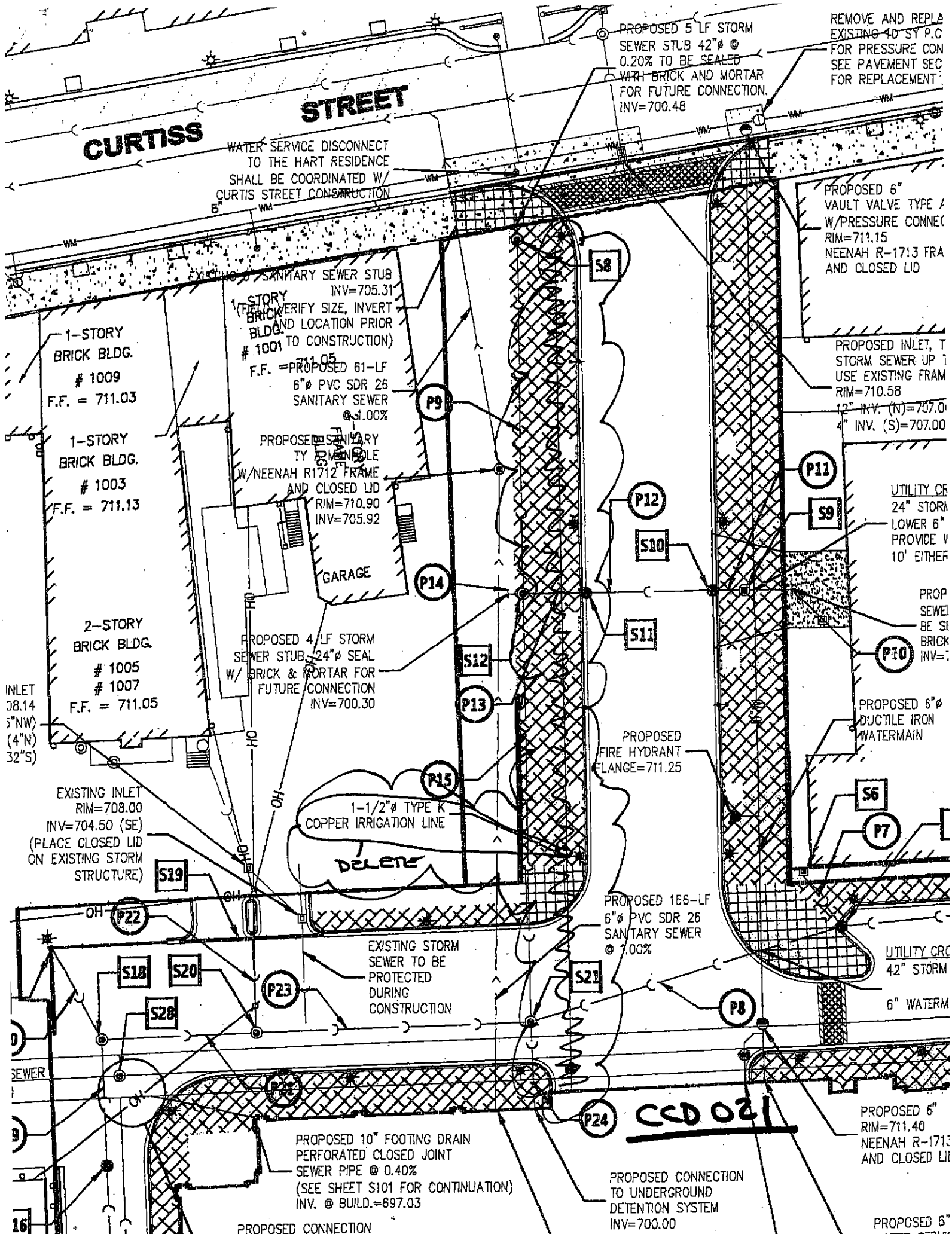
Cc: R. Manabat, Desman
B. Hartjes, C.M. Lavoie
M. Millette, VDG Public Works – Engineering
J. Skach, VDG Planning & Community Development
File

CCD 021



PARTIAL WATER RETENTION PLAN

SCALE: NONE


CURTISS STREET
PROPOSED 5 LF STORM SEWER STUB 42"ø @ 0.20% TO BE SEALED WITH BRICK AND MORTAR FOR FUTURE CONNECTION. INV=700.48
REMOVE AND REPLA
EXISTING 40 SY P.C
FOR PRESSURE CON
SEE PAVEMENT SEC
FOR REPLACEMENT
WATER SERVICE DISCONNECT TO THE HART RESIDENCE SHALL BE COORDINATED W/ CURTIS STREET CONSTRUCTION
6"
EXISTING 6" SANITARY SEWER STUB INV=705.31 (FIELD VERIFY SIZE, INVERT AND LOCATION PRIOR TO CONSTRUCTION)
PROPOSED 6" VAULT VALVE TYPE A W/PRESSURE CONNEC RIM=711.15 NEENAH R-1713 FRA AND CLOSED LID
1-STORY BRICK BLDG. # 1001 F.F. = 711.05
1-STORY BRICK BLDG. # 1009 F.F. = 711.03
1-STORY BRICK BLDG. # 1003 F.F. = 711.13
2-STORY BRICK BLDG. # 1005 # 1007 F.F. = 711.05
PROPOSED 61-LF 6"ø PVC SDR 26 SANITARY SEWER @ 1.00%
PROPOSED SANITARY TY DROP MANHOLE W/NEENAH R1712 FRAME AND CLOSED LID RIM=710.90 INV=705.92
PROPOSED INLET, T STORM SEWER UP T USE EXISTING FRAM RIM=710.58 12" INV. (N)=707.0 4" INV. (S)=707.00
UTILITY CR 24" STORM LOWER 6" PROVIDE V 10' EITHER
PROP SEWE BE SI BRICK INV=7
GARAGE
PROPOSED 4 LF STORM SEWER STUB 24"ø SEAL W/ BRICK & MORTAR FOR FUTURE CONNECTION INV=700.30
INLET 08.14 5"NW) (4"N) 32"S)
EXISTING INLET RIM=708.00 INV=704.50 (SE) (PLACE CLOSED LID ON EXISTING STORM STRUCTURE)
PROPOSED FIRE HYDRANT FLANGE=711.25
PROPOSED 6"ø DUCTILE IRON WATERMAIN
1-1/2"ø TYPE K COPPER IRRIGATION LINE
DELETE
PROPOSED 166-LF 6"ø PVC SDR 26 SANITARY SEWER @ 1.00%
EXISTING STORM SEWER TO BE PROTECTED DURING CONSTRUCTION
UTILITY CRO 42" STORM
6" WATERM
PROPOSED 10" FOOTING DRAIN PERFORATED CLOSED JOINT SEWER PIPE @ 0.40% (SEE SHEET S101 FOR CONTINUATION) INV. @ BUILD.=697.03
PROPOSED CONNECTION TO UNDERGROUND DETENTION SYSTEM INV=700.00
PROPOSED 6" RIM=711.40 NEENAH R-171 AND CLOSED LI
CCD 021
PROPOSED CONNECTION
PROPOSED 6"
S8 S9 S10 S11 S12 S13 S18 S19 S20 S21 S28 S6
P7 P8 P9 P10 P11 P12 P13 P14 P15 P22 P23 P24
OH
SEWER

Sara Davis

From: Parks, Brian [bparks@downers.us]
Sent: Thursday, May 06, 2004 11:15 AM
To: 'sdavis@benesch.com'
Subject: FW: COR's No. 032, 035

Let's try this again. I guess it didn't go through the first time.

Brian

-----Original Message-----
From: Parks, Brian
Sent: Wednesday, May 05, 2004 4:03 PM
To: 'sdavis@benesch.com'
Cc: Millette, Mike
Subject: COR's No. 032, 035

Sara,

After reviewing the subject Change Order requests and consulting with Mike Millette, the comments are as follows:

COR #32 Irrigation Lines

We have reviewed the request, and believe that Turner's request for an additional $7,121.10 is justified for the Parking Deck project.

Please proceed with the Village's recommendation for COR No. 32.

→ COR #35 Structural Soil

We have reviewed the request, and believe that Turner's request for an additional $21,502.00 is justified for the Parking Deck project.

Please proceed with the Village's recommendation for COR No. 35.

Brian Parks
Senior Engineer
Public Works Department
5101 Walnut Avenue
Downers Grove, IL 60515-4074
Direct Phone: 630.434.6822
General Phone: 630.434.5460

RECEIVED
MAY 0 6 2004
BY:

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

Friday, April 09, 2004

Ms. Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515

RECEIVED
APR 09 2004
BY: MD

RE: Downers Grove Parking Deck
945 Curtiss St. Downers Grove. IL 60515
Project #: 9252
Change Order Request Number 035

Dear Ms. Davis,

We have finalized the required quotations for PCO number **055** for the following extra work **CCD #030: New specifications for Structural Soil, Pipe Underdrains and Fabric Lined Trench with details.**. We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. The following is a detailed itemization of all extra costs:

Item	Description	Amount Proposed	Contractor
001	CCD #030: Specifications and Details for Structural Soil	$19,089.00	SEBLAN
002	Turner Overhead & Profit - 5.0%	$954.00	TURCON
003	CCIP Workmen Comp - 3.35%	$639.00	TURCON
004	CCIP Liability - 1.55%	$296.00	TURCON
005	SubGuard - Bond - 1.0%	$191.00	TURCON
006	Turner Bond - 0.75%	$143.00	TURCON
007	CCIP and Bond Markup - 15%	$190.00	TURCON

Total Amount **$21,502.00**

We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. See the attached for a detailed breakdown of the costs included in this Change Order Request.

This change will also result in a possible schedule impact of 3 days to the project. If you have any questions regarding this Change Order Request, please call me at your earliest convenience.

Please return one (1) copy of this letter indicating your approval of this Turner Change Order which increases our Contract by Twenty one thousand five hundred two and 00/100 ($21,502.00). This approval will also authorize us to issue Subcontract Change Orders as listed on attachment.

Sincerely,

Mel Cramm
Project Manager

Approved By: _____ Date: _____
Sara Davis
Project Manager

cc: File

DOWNERS GROVE PARKING FACILITY

4/9/04

PCO #055: MATERIAL COST		
DESCRIPTION	**COST**	
Structural Soil	$	7,395.00
Drainage	$	130.00
Filter Fabric	$	55.00
Ca11 Gravel	$	300.00
Kor-n-Tee Boot	$	100.00
Kor-n-Tee Plumber Tap	$	500.00
Hauling	$	1,500.00
Total	$	9,980.00

B.

VILLAGE OF DOWNERS GROVE
PARKING FACILITY
Project No. 14-00

Construction Change Directive No. 030

Date: 15 January 2004

To: John Doherty, Turner Construction Company

Subject: Specifications and Details for Structural Soil

Turner Construction Company (Contractor) is hereby directed by the Village of Downers Grove, as provided for in Article 7.3 of the General Conditions of the Contract, to comply with the following:

Description:
Incorporate the attached Specifications, "Structural Soil" and "Pipe Underdrains, 4", Fabric Lined Trench", and the attached details into the Contract Documents.

Reason:
The attached details and specifications are the Village standards for trees in sidewalks, but they were not included in the Issued for Construction set.

Expected Construction Schedule Adjustment:
__Extension of ___ days * __Reduction of ___ days * X_None __ Submit Time Adjustment Proposal *

Expected Construction Cost Adjustment:
__ Add'l Cost: $_____ * __Credit: $_____ * __None __Unit Price X_ Submit Cost Adjustment Proposal *

Please check the appropriate response below and return a signed copy of this document to the Owner's Representative within 5 business days.

___ Contractor agrees with the above terms. *

X Contractor disagrees with the above terms and will submit a Proposal or a Request for Change Order. *

Turner Construction Company Representative

1/16/04
Date

* A Change Order will be issued when Owner and Contractor agree upon Schedule and/or Cost adjustments.

Sara L. Davis, PE, SE
alfred benesch & company
Owner's Representative

Cc: R. Manabat, Desman
M. Millette, VDG Public Works – Engineering
J. Skach, VDG Planning & Community Development
File

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JAN 16 2004
BY:

CCD 030.doc

STRUCTURAL SOIL

REFERENCES AND STANDARDS

A. The following references are used herein and shall mean:

1. ASTM: American Society of Testing Materials
2. USDA: United Stated Department of Agriculture
3. AASHTO: American Association of State Highway and Transportation Officials.
4. Standard Specifications: Standard Specifications for Road and Bridge Construction adopted on January 1, 1997 by the Illinois Department of Transportation.
5. AOAC: Association of Official Agricultural Chemists.

SAMPLES AND SUBMITTALS

A. At least 10 days prior to ordering materials, the Contractor shall submit to the Engineer's representative samples, certificates, manufacturer's literature and certified tests for materials specified below. No materials shall be ordered until the required samples, certificates, manufacturer's literature and test results have been reviewed and approved by the Engineer. Delivered materials shall closely match the approved samples. Approval shall not constitute final acceptance. The Engineer reserves the right to reject, on or after delivery, any material that does not meet these specifications.

B. Submit a one-half cubic foot representative sample of all Clay Loam and a two cubic foot representative sample of the Structural Soil mix in this section for testing, analysis and approval. Submit one set of samples for every 500 cubic yards of material to be delivered. In the event of multiple source fields for Clay Loam, submit a minimum of one set of samples epr source field or stockpile. Samples shall be taken randomly throughout the field or stockpile at locations as directed by the Engineer and packaged in the presence of the Engineer. Contractor shall deliver all samples to testing laboratories and shall have the test results sent directly to the Engineer. Samples shall be labeled to include the locations of the source of the material, the date of the sample and the Contractor's name. The sample is to be used by the testing laboratory for testing purposes.

C. Submit soil test analysis reports for each sample of Clay Loam and Structural Soil from an approved soil testing laboratory. The test results shall report the following:

1. The soil testing laboratory shall be approved by the Engineer. The testing laboratory for particle size and chemical analysis may be a

public agricultural extension service agency or agricultural experiment station.

2. Submit a bulk density of the sample and particle size analysis including the following gradient of mineral content:

USDA Designation	Size in mm
Gravel	+2 mm
Sand	0.05 – 2 mm
Silt	0.002 – 0.05 mm
Clay	minus 0.002 mm

Sieve analysis shall be performed and compared to USDA Soil Classification System. Sieve analysis shall be by a combined hydrometer and wet sieving using sodium hexametaphosphate as a dispersant in compliance with ASTM D422 after destruction of organic matter by hydrogen peroxide.

3. Submit a chemical analysis, performed in accordance with current AOAC Standards, including the following:

   a. pH and Buffer pH.

   b. Percent organic matter as determined by the loss of ignition of oven dried samples. Test samples shall be oven dried to a constant weight at a temperature of 230 degrees F, plus or minus 9 degrees.

   c. Analysis for nutrient levels by parts per million including nitrate nitrogen, ammonium nitrogen, phosphorus, potassium, magnesium, manganese, iron, zinc, calcium and extractable aluminum. Nutrient test shall include the testing laboratory recommendations for supplemental additions to the soil as calculated by the amount of material to be added per volume of soil for the type of plants to be grown in the soil.

   d. Analysis for levels of toxic elements and compounds including arsenic, boron, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, zinc and PCB. Test results shall be cited in milligrams per kilogram.

   e. Soluble salt be electrical conductivity of a 1:2 soil/water sample measured in Millimho per cm.

f. Cation Exchange Capacity (CEC).

g. Carbon/Nitrogen Ration.

4. Submit 5 point minimum moisture density curve AASHTO T 99 test results, for each Structural Soil sample without removing oversized aggregate.

5. Submit California Bearing Ratio test results for each Structural Soil sample including a soaked CBR minimum of 50 at peak standard density.

6. Submit Clay Loam-Crushed Stone ratio by splitting a know weight of oven dried material on a #4 sieve for each Structural Soil sample.

7. The approved Structural Soil samples shall be the standard for e each lot of 500 cubic yards of material.

8. All testing and analysis shall be at the expense of the Contractor.

D. Submit one cubic foot sample per each 500 cubic yards of required material and for each sample, the following analysis for all Crushed stone. The soil testing laboratory shall be approved by the Engineer.

1. Provide a particle size analysis including the following gradient of mineral content:

USDA Designation	Size in mm
3"	+76 mm
2-1 / 2"	63-76 mm
2"	50-63 mm
1-1 / 2"	37-50 mm
1"	25-37 mm
3 / 4"	19-25mm
Fine Gravel	2-19 mm
Sand	0.05-2 mm
Silt	0.002-0.05 mm
Clay	minus 0.002 mm

2. Provide the manufacturers analysis of the following:

a. Loose and rodded unit weight.
b. Bulk specific gravity and absorbance.
c. Stone dimension and surface texture description.

d. Aggregate soundness and L.A. abrasion.

3. Provide a percent pore space analysis defined as follows:

(1-Rodded Unit Weight divided by the Bulk Specific Gravity) x 100

E. Submit certificate showing composition and analysis of fertilizer.

DELIVERY, STORAGE AND HANDLING

A. Do not deliver or place soils in frozen, wet, or muddy conditions. Material shall be delivered at or near optimum compaction moisture content as determined by AASHTO T 99 (ASTM D698). Do not deliver or place materials in an excessively moist condition (beyond 2 percent above optimum compaction moisture content as determined by AASHTO T 99 (ASTM D 698).

B. Protect soils and mixes from absorbing excess water and from erosion at all times. Do not store materials unprotected from large rainfall events. Do not allow excess water to enter site prior to compaction. If water is introduced into the material after grading, allow material to drain to near optimum compaction moisture content.

EXAMINATION OF CONDITIONS

A. All areas to receive Structural Soil shall be inspected by the Contractor before starting work and all defects such as incorrect grading, compaction and inadequate drainage, etc., shall be reported to the Engineer prior to beginning this work.

B. The Contractor shall be responsible for judging the full extent of work requirements involved, including moving soil stock piles at the site to accommodate scheduling of other work and the need to protect installed soils from compaction, erosion and contamination.

CLAY LOAM MATERIALS

A. Clay Loam shall be a "clay loam" based on the "USDA classification system" as determined by mechanical analysis (ASTM D422) and it shall be of uniform composition, without admixture of subsoil. It shall be free of stones greater than on-half inch, lumps, plants and pieces of the same materials as determined by the Engineer. It shall not contain toxic substances harmful to plant growth. It shall be obtained from naturally well drained areas which have never been stripped of top soil before. Clay Loam shall contain not less than 2% nor more than 5% organic matter as determined by the loss of ignition of over-dried samples. Test

samples shall be oven-dried to a constant weight at a temperature of 230 degrees F, plus or minus 9 degrees.

B. Mechanical analysis for Clay Loam shall be as follows:

Textural Class	% of total weight
Gravel	less than 5%
Sand	25-30%
Silt	20-40%
Clay	25-40%

C. Chemical analysis: Meet or be amended to meet the following criteria:

1. pH between 5.5 to 6.5

2. Percent organic matter 2-5% by dry weight.

3. Nutrient levels as required by the testing laboratory recommendations for the type of plants to be grown in the soil.

4. Toxic elements and compounds below the United States Environmental Protection Agency Standards for Exceptional Quality sludge or local standard; whichever is more stringent.

5. Soluble salt less than 1.0 Millimho per cm.

6. Cation Exchange Capacity (CEC) greater than 10.

7. Carbon/Nitrogen Ratio less than 33:1.

D. Clay Loam shall be the product of a commercial processing facility specializing in production of stripped natural topsoil. No topsoil shall come from USDA classified prime farmland.

FERTILIZER MATERIALS

A. Commercial fertilizer complying with State and United States fertilizer laws. Deliver fertilizer in original unopened containers which shall bear the manufacturer's certificate of compliance covering analysis which shall be furnished to the Engineer. Fertilizer shall be formulated for mixing into the soil and be certified by the manufacturer to provide controlled release of nitrogen continuously for a period of no less than nine months and no more than 12 months.

B. Fertilizer percentages of weight of ingredients and application rates shall be as recommended by the soil testing results.

SULFUR MATERIALS

A. Sulfur shall be commercial granular, 96% pure sulfur, delivered in containers with the name of the manufacturer, material and analysis appearing in the container.

B. Sulfur used to lower soil pH above 6.5 shall be ferrous sulfate formulation.

LIME MATERIALS

A. Agricultural limestone containing a minimum of 85% carbonates. Minimum gradation: 100% passing 10 mesh sieve; 98% passing 20 mess sieve, 55% passing 60 mesh sieve and 40% passing 100 mesh sieve.

CRUSHED STONE MATERIALS

A. Crushed Stone shall be crushed granite stone, no limestone or sandstone shall be used. Crushed Stone shall conform to Section M2.01.0 of the Standard Specifications and meet the gradation requirements of Section M2.01.02 (1/2 inch stone).

B. Acceptable aggregate dimensions will not exceed 2.5:1.0 for any two dimensions chosen.

C. Statement of angularity of % rounded edges.

D. Results of the Aggregate soundness loss test will not exceed 18%.

E. Losses from L.A. Abrasion tests will not exceed 40%.

HYDROGEL MATERIALS

A. Hydrogel shall be a potassium propenoate-propenamide copolymer Hydrogel as manufactured by Gelscape by Amereq Corporation.

WATER MATERIALS

A. The Contractor shall be responsible to furnish his own supply of water to the site at no extra cost. All work injured or damaged due to the lack of water, or the use of too much water, shall be the Contractor's responsibility to correct. Water shall be free from impurities injurious to vegetation.

STRUCTURAL SOIL MIX

A. A uniformly blended mixture of Crushed Stone, Clay Loam and Hydrogel, mixed to the following proportion:

Material	Unit of Weight
Crushed Stone	100 dry weight
Loam	As determined by the test of the mix (Approx. 18 +/-)
Hydrogel	0.03 dry weight
Total Moisture	10 (AASHTO T 99 optimum)

B. The initial mix design for testing shall be determined by adjusting the ratio between the Crushed Stone and the Clay Loam such that the volume percent of Clay Loam in the mix is less than 80% and more than 60% of voids in the Crushed Stone as determined from the stone rodded unit weight (1.04 F 3) and the bulk density of the soil. Adjust final mix dry weight mixing proportion to decrease soil in mixture if CBR test results fail to meet acceptance (CBR>=50).

CONSTRUCTION METHODS

A. Prepare sample Structural Soil mixes to determine the ratio of mix components. Submit for approval.

1. Submit samples and the test results of each mix component for approval. Based on samples and the analysis of the mix components, the Engineer and the Contractor will jointly determine a mix ratios to be tested for conformance with the requirements of the specification. For Structural Soil quantities greater than 500 cubic yards, test the mix ratio for each Clay Loam or Crushed Stone where the testing indicates a significant difference in physical analysis of the Clay Loam or Crushed Stone as determined by the Engineer.

2. The Contractor shall prepare the samples of the proposed mix ratio options and obtain soil test as described in paragraph C of SAMPLES AND SUBMITTALS. Submit the samples of each of the mixes with the test results.

3. The Engineer may request additional Structural Soil mix ratio samples to be tested in the event that further refinement of the mix is necessary.

4. Submit to the Engineer proposed fertility amendment recommendations including amounts and types of fertilizers and pH

adjustments for each mix ratio. Fertility adjustments shall be included as part of the mixing process.

SOIL MIXING AND QUALITY CONTROL TESTING

A. All Structural Soil mixing shall be performed at the Contractor's yard using appropriate soil measuring, mixing and shredding equipment of sufficient capacity and capability to assure proper quality control and consistent mix ratios. No mixing of Structural Soil at the project site shall be permitted. Portable pugging may be the exception.

1. Maintain adequate moisture content during the mixing process. Soils and mix components shall easily shred and break down without clumping. Soil clods shall easily break down into a fine crumbly texture. Soils shall not be overly wet or dry. The Contractor shall measure and monitor the amount of soil moisture at the mixing site periodically during the mixing process.

2. A mixing procedure for front-end loader shall be as follows:

   a. On a flat asphalt or concrete paved surface, spread an 8-inch to 12-inch layer of Crushed Stone.

   b. Spread evenly over the stone a proportional amount of dry Hydrogel.

   c. Spread over the dry Hydrogel and Crushed Stone a proportional amount of Clay Loam.

   d. Blend the entire amount by turning using a front-end loader or other suitable equipment until a consistent blend is produced.

   e. Add moisture gradually and evenly during the blending and turning operation as required to achieve the required moisture content. Delay applications of moisture for 10 minutes prior to successive applications. Once established, mixing should produce a material within 1% of the optimum moisture level for compaction.

3. A pugging operation mixing procedure may be as follows:

   a. Feed a known weight of crushed stone into the mixing trough.

b. Add hydrogel as a slurry into trough and mix slurry and stone into a uniform blend.

c. Meter in soil in proper proportion of Clay Loam Soil while stone-slurry mixture is in motion.

d. Add water to bring mixture to target moisture content after factoring in water from the slurry and the clay-loam mixture.

e. Auger out to stocking pile or transport vehicle (or into pit using a portable pugging operation).

4. Add soil amendments to alter soil fertility including fertilizers and pH adjustment at the time of mixing at the rates recommended by the soil test.

a. Soil pH shall be adjusted to fall within a rate of 5.5 and 6.5 two months after mixing if the material is stored, unless mixing with a high pH stone. Once pavement is laid, no adjustment should be imposed.

b. Soil component carbon/nitrogen ratio shall be adjusted to be less than 1:33 within two months after mixing.

B. The Contractor shall mix sufficient material in advance of the time needed at the job site to allow adequate time for final quality control testing and required by the progress of the work. Structural Soil shall be stored in piles of approximately 500 cubic yards and each pile shall be numbered for identification and quality control purposes. Storage piles shall be protected from rain and erosion by covering with plastic sheeting.

C. During the mixing process, the Contractor shall take a one cubic foot quality control sample per 500 cubic yards of production from the final Structural Soil. The samples shall be taken from random locations in the numbered stockpiles as required by paragraph B of SAMPLES AND SUBMITTALS of this specification. Each sample shall be tested for particle size analysis and chemical analysis as described in Paragraphs C.2 and C.3 of EXAMINATION OF CONDITIONS above. Submit the results directly to the Engineer for review and approval.

D. The quality control sample Clay Loam-Crushed Stone ratio's shall be no greater or less than 2% of the approved test samples as determine by splitting a known weight of oven dried material on a #4 sieve. In the event that the quality control samples vary significantly from the approved Structural Soil sample, as determined by the Engineer, remix and retest

any lot of soil that fails to meet the correct analysis making adjustment to the mixing ratios and procedures to achieve the approved consistency.

UNDERGROUND UTILITIES AND SUBSURFACE CONDITIONS

A. Notify the Engineer of any subsurface conditions which will effect the Contractor's ability to complete the work.

B. Locate and confirm the location of all undergournd utility lines and structures prior to the start of any excavation.

C. Repair any underground utilities or foundations damaged by the Contractor during the progress of this work. The cost of all repair shall be at the Contractor's expense.

SITE PREPARATION

A. Do not proceed with the installation of the Structural Soil material until all walls, curb footings and utility work in the area has been installed. For site elements dependent on Structural Soil for foundations support, postpone installation until immediately after the installation of Structural Soil.

B. Install subsurface drain lines as shown on the Drawings prior to installation of Structural Soil material.

C. Excavate and compact the proposed subgrade to depths, slopes and widths as shown on the Drawings. Maintain all required angles of repose of the adjacent materials as shown on the drawings. Do not over excavate compacted subgrades of adjacent pavement or structures.

D. Confirm that the subgrade is at the proper elevation and compacted as required. Subgrade elevations shall slope parallel to the finished grade and/or toward the subsurface drain lines as shown on the drawings.

E. Clear the excavation of all construction debris, trash, rubble and any foreign material. In the event that fuel, oils, concrete washout silts or other material harmful to plants has been spilled into the subgrade material, excavate the soil sufficiently to remove the harmful material. Fill any over excavation with approved fill and compact to the required subgrade compaction.

F. Do not proceed with the installation of Structural Soil until all utility work in the area has been installed. All subsurface drainage systems shall be operational prior to installation of Structural Soils.

G. Protect adjacent walls, walks and utilities from damage or staining by the soil. Use ½-inch plywood and/or plastic sheeting as directed to cover existing concrete, metal and masonry work and other items as directed during the progress of the work.

1. Clean up all trash and any soil or dirt spilled on any paved surface at the end of each working day.

2. Any damage to the paving or architectural work caused by the soils installation contractor shall be repaired by the general contractor at the soils installation contractor's expense.

H. Maintain all silt and sediment control devices required by applicable regulations. Provide adequate methods to assume that trucks and other equipment do not track soil from the site onto adjacent property and the public right-of-way.

INSTALLATION OF STRUCTURAL SOIL MATERIAL

A. Install Structural Soil in 6-inch lifts and compact each lift.

B. Compact all materials to not less than 95% of peak dry density from a standard AASHTO compaction curb (AASHTO T 99). No compaction shall occur when moisture content exceeds maximum as listed herein. Delay compaction 24 hours if moisture content exceeds maximum allowable and protect Structural Soil during delays in compaction with plastic or plywood as directed by the Engineer.

C. Bring Structural Soils to finished grades as shown on the Drawings. Immediately protect the Structural Soil material from contamination by toxic materials, trash, debris, water containing cement, clay, silt or materials that will alter the particle size distribution of the mix with plastic or plywood as directed by the Engineer.

D. The Engineer may periodically check the material being delivered and installed at the site for color and texture consistency with the approved sample provided by the Contractor as part of the submittal for Structural Soil. In the event that the installed material varies significantly from the approved sample, the Engineer may request that the Contractor test the installed Structural Soil. Any soil which varies significantly from the approved testing results, as determined by the Engineer, shall be removed and new Structural Soil installed that meets these specifications.

FINE GRADING

A. After the initial placement and rough grading of the Structural Steel but prior to the start of fine grading, the Contractor shall request review of the rough grading by the Engineer. The Contractor shall set sufficient grade stakes for checking the finished grades.

B. Adjust the finish grades to meet field conditions as directed.

1. Provide smooth transitions between slopes of different gradients and direction.

2. Fill all dips and remove any bumps in the overall plane of the slope.

3. All fine grading shall be inspected and approved by the Engineer prior to the installation of other items to be placed on the Structural Soil.

C. The Engineer will inspect the work upon the request of the Contractor. Request for inspection shall be received by the Engineer at least two days before the anticipated date of inspection.

ACCEPTANCE STANDARDS

A. The Engineer will inspect the wok upon the request of the Contractor. Request for inspection shall be received by the Engineer at least two days before the anticipated date of inspection.

CLEANUP

A. Upon completion of the Structural Soil installation operations, clean areas within the contract limits. Remove all excess fills, soils and mix stockpiles and legally dispose of all waste materials, trash and debris. Remove all tools and equipment and provide a clean, clear site. Sweep, do not wash, all paving and other exposed surfaces of dirt and mud until the paving has been installed over the Structural Soil material. Do no washing until finished materials covering Structural Steel material are in place.

METHOD OF MEASUREMENT

A. The work of this section will be measured on a cubic yard basis, installed, compacted, complete in place.

BASIS OF PAYMENT

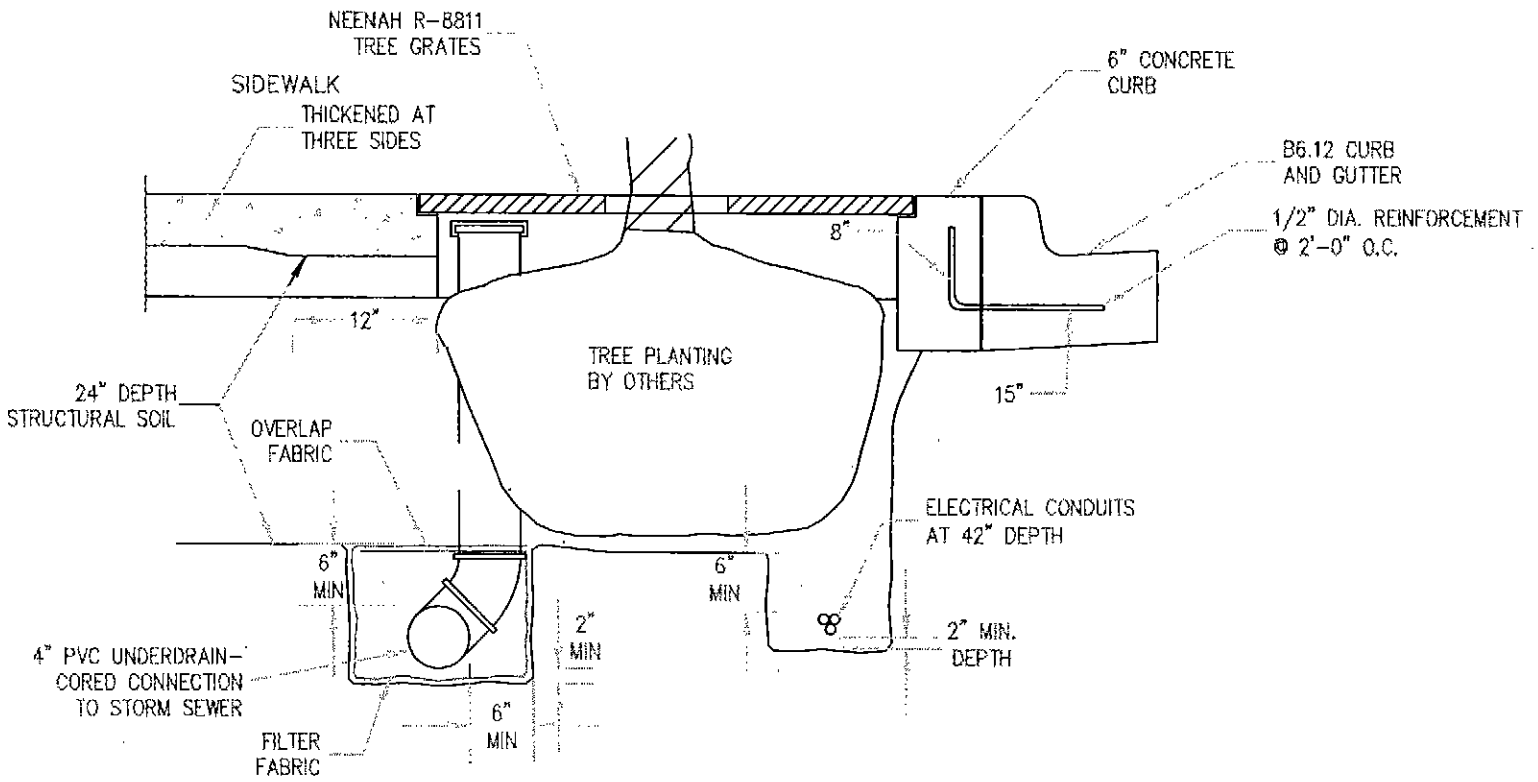
A. This work shall be paid for at the contract unit price per cubic yard for STRUCTURAL SOIL including cleanup, property protection, and temporary protection of the structural soil.

PIPE UNDERDRAINS, 4", FABRIC LINED TRENCH

This work shall be done in accordance with the plans, details, and Section 601 of the Standard Specifications for Road and Bridge Construction adopted January 1, 2002.

The pipe shall be 4" diameter perforated PVC in a fabric lined trench. Filter fabric material shall be according to Section 1080, Article 1080.01(a)(2) of the Standard Specifications. All tree pits shall contain as least one (1) clean out junction with "Y" pipe connection. End caps shall be painted black with an approved material that will not peel or flake. Underdrain trench shall be backfilled with ½" to 2" diameter washed river gravel wrapped in filter fabric. Top of underdrain pipe shall be set a minimum depth of 6" below the structural soil and pitched a minimum of 2% to storm sewer outfalls as necessary to assure positive drainage. Perforated pipe shall be placed with perforations down. A minimum of 3" of washed gravel shall be provided on all sides of the trench around the pipe. All planting area underdrainage shall conform to the layout as shown on the plans. All planting area underdrains shall be tied into the storm sewer system by cored connections.

This work will be paid for at the lump sum price for PIPE UNDERDRAINS, 4", FABRIC LINED TRENCH. This price shall include all labor, equipment and materials required to install the pipe, pipe caps, clean out junction, pipe fittings, aggregate, vertical pipes for clean outs, and fabric envelope.



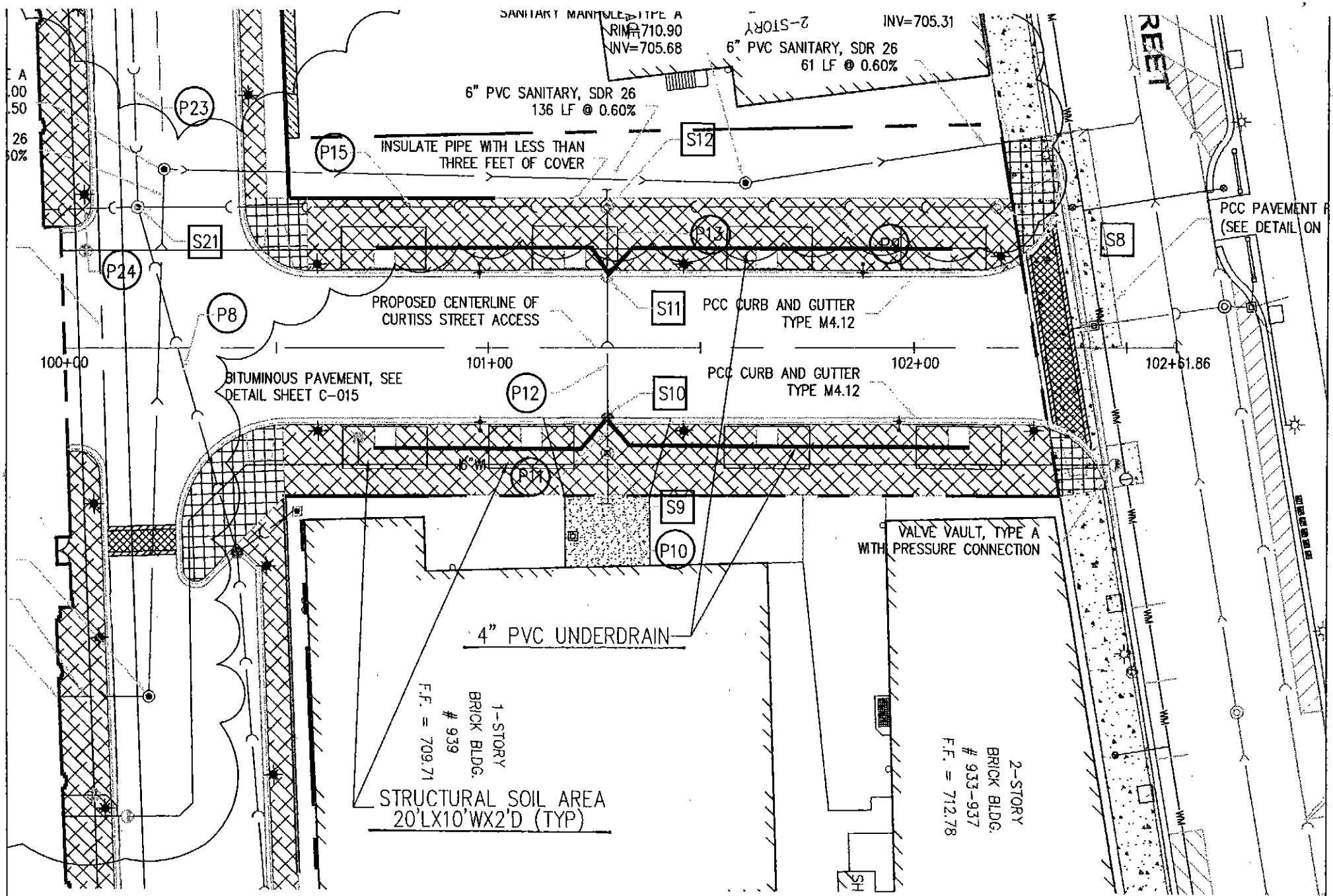
PROVIDE CAPPED CLEANOUT RISER AT UPSTREAM END OF EACH RUN

FABRIC LINING OF TRENCH, BACKFILL AND BEDDING ARE INCIDENTAL TO THE PIPE UNDERDRAIN PAY ITEM.

PLACE REGULAR SOIL IN TREE PIT

SECTION THROUGH TREE PIT PERPENDICULAR TO STREET

N.T.S.



CURTISS STREET ACCESS DRIVE

VILLAGE OF DOWNERS GROVE
PARKING FACILITY

Project No. 14-00

Change Order No. 011 *DRAFT*

Date: 12 May 2004

Subject: Stair No. 1 landing modification

Reference: COR No. 038 CCD No. 055 Proposal Request No. 006 RFI No. 176

The following is hereby agreed upon as a change in the Agreement between the Village of Downers Grove and Turner Construction Company for construction of the Village of Downers Grove Parking Facility, as provided for in Article 7.2 of the General Conditions of the Contract:

Description of Change in the Work:
Remove and replace the first intermediate landing in Stair No.1, as detailed in Proposal Request No. 006, issued with CCD 055.

Reason for Change in the Work:
The vertical clearance between the first and second intermediate landings was insufficient to meet code due to an error in the plans.

Construction Schedule Adjustment:

Calendar days added or subtracted (+ or -): **0**

Revised date of substantial completion: _____

Construction Cost Adjustment:

Cost or credit amount (+ or -): **$7,147.00**

Revised amount * of Contract Sum: **$11,993,079.00**

* May not include adjustments for all other pending or recently signed Change Orders.

Village of Downer's Grove Representative Position Date

Turner Construction Company Representative Position Date

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

May 12, 2004

Sara Davis
Alfred Benesch & Co.
5202 Washington Ave.; Suite 9
Downers Grove, IL 60515

Re: Downers Grove Parking Facility
- **CCD No. 055 / COR No. 038**
  - **Stair No. 1 Landing Modifications**

Sara,

To underscore the importance of receiving an approved Change Order for the above noted CCD 055 / COR No. 038, Turner has completed an evaluation relative to schedule impact vs receiving an approved Change Order. Please note the following.

1) The current update to the approved Baseline Construction Schedule (Data Date of April 21, 2004) shows the precast erection for the West side (Activity No. 97) starting on May 25th. As this will not be possible due to ComEd not being complete with their work, to keep the project moving forward, Turner is switching the start of precast erection from the West side to the East side, with a start date of May 24th. We are currently preparing a revised schedule to reflect this change, including the impact to other activities such as Curtain Wall installation. A detailed precast sequencing breakdown will also be included in this revised schedule.

2) By starting the East side precast erection on May 24th, we will be ready to start precast erection at Stair Tower No. 1 June 2nd – pending ComEd being complete with their work on the North side. The corrective work described in CCD No. 055 / COR No. 038 must also be complete for the precast erection at Stair Tower No. 1 to begin. This precast erection will be complete by June 9th. Immediately following will be the Curtain Wall installation (Activity No. 116). As both precast and curtain wall installations are on the critical path, delays to either of these activities will impact the schedule.

3) As noted in COR No. 038, this corrective work will take six calendar days to complete. Therefore, this work must begin no later than May 26th, which will be possible only if Turner has a signed Change Order by May 21st. This allows us time to issue directions to our subcontractors, so that they can mobilize and proceed with the corrective work.

4) Based on the above, it is critical that COR No. 038 be presented for approval at the May 18th Village Council Board Meeting. If it is not approved until the following Board Meeting, the critical path will be impacted.

5) In addition to the above, the balance of stairs will be completed in Stair Tower No. 1 by May 14th, allowing Pierini Iron Works to field measure for their handrail fabrication. However, until the corrective work described in CCD No. 055 is complete, this measuring cannot be done.

Once all the above is complete, Turner will evaluate the issues for time and / or cost impact and notify the Owner.

Please review the above and contact me should you have any questions.

Sincerely,

Mel Cramm
Sr. Project Mgr.
Turner Construction

cc: J. Doherty, M. Cramm; TCCo
File: 00035

DESMAN ASSOCIATES ARCHITECTS • ENGINEERS • PLANNERS • PARKING CONSULTANTS •

May 10, 2004

Ms. Sara Davis
Alfred Benesch & Company
Owner's Representative for VDG P/F Construction

Re: Village of Downers Grove Parking Facility
Desman Project No. 20123

Dear Sara,

We have reviewed Change Order Request No. 038 - Stair No. 1 Landing Modification. The total cost of $7, 147.00 is reasonable.

Please call if you have any questions.

Sincerely,

Desman Associates
A Division of Desman, Inc.

Romy Manabat
Associate

Cc: Steve Rebora

RECEIVED
MAY 10 2004
BY:

Turner

Turner Construction Company
945 Curtiss Street
Downers Grove, Illinois 60515
phone: 630.663.0431
fax: 630.663.0415

Tuesday, May 04, 2004

RECEIVED
MAY 06 2004
BY:

RECEIVED
MAY 04 2004
BY:

Ms. Sara Davis
Alfred Benesch & Company
5202 Washington Ave.
Downers Grove, IL 60515

RE: Downers Grove Parking Deck
945 Curtiss St. Downers Grove. IL 60515
Project #: 9252
Change Order Request Number 038

Dear Ms. Davis,

We have finalized the required quotations for PCO number **079** for the following extra work **CCD No. 055: Stair No. 1 Landing Modification**. We have reviewed the scopes of work and have verified that they are in compliance with our contract agreement. The following is a detailed itemization of all extra costs:

Item	Description	Amount Proposed	Contractor
001	CCD No. 055: Stair No. 1 Landing Modification	$6,345.00	CONSTR
002	Turner Overhead & Profit - 5.0%	$317.00	TURCON
003	CCIP Workmen Comp - 3.35%	$213.00	TURCON
004	CCIP Liability - 1.55%	$98.00	TURCON
005	SubGuard - Bond - 1.0%	$63.00	TURCON
006	Turner Bond - 0.75%	$48.00	TURCON
007	CCIP & Bond Mark Up - 15%	$63.00	TURCON

Total Amount **$7,147.00**

This change will also result in a schedule impact of 4 work days - six (6) calendar days - to the project. If you have any questions regarding this Change Order Request, please call me at your earliest convenience.

Please return one (1) copy of this letter indicating your approval of this Turner Change Order which increases our Contract by Seven thousand one hundred forty seven and 00/100 ($7,147.00). This approval will also authorize us to issue Subcontract Change Orders as listed on attachment.

Sincerely,

Mel Cramm
Project Manager

Approved By: _____ Date: _____
Sara Davis
Project Manager

cc: File

CSM / UBM J.V.

TRANSMITTAL
No. 00360

1845 Western Drive
West Chicago, IL 60185

Phone: 630-293-5775
Fax: 630-293-5814

PROJECT: Downers Grove Parking Garage

DATE: 4/28/2004

TO: Turner Construction Company
945 Curtiss Street
Construction Trailer
Downers Grove, IL 60615

REF: CCD#055 Replace Landing

ATTN: Pat Donovan

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☑ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☑ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

ITEM	PACKAGE	SUBMITTAL	DRAWING	REV.	ITEM NO.	COPIES	DATE	DESCRIPTION	STATUS
PCO					1	1	4/28/2004	CCD#055 Replace Intermediate Landing At Stair #1	

Remarks:

CC:

Signed: Marty Maxey
Marty Maxey

CSM / UBM J.V.

PROPOSED CHANGE ORDER
No. 00020

1845 Western Drive
West Chicago, IL 60185

Phone: 630-293-5775
Fax: 630-293-5814

TITLE: CCD#055 Replace Landing Stair #1

DATE: 4/28/2004

PROJECT: Downers Grove Parking Garage

JOB: 0304

CONTRACT NO: 1

TO: Attn: Pat Donovan
Turner Construction Company
945 Curtiss Street
Construction Trailer
Downers Grove, IL 60615
Phone: 630.663.0431 Fax: 630.663.0415

RE: **To:** **From:** **Number:**

DESCRIPTION OF PROPOSAL

We hereby propose to furnish labor, material, tools, taxes, supervision and equipment as necessary to provide additional cast-in-place concrete at first intermediate landing of stair #1 as shown in Construction Change Directive #055. The work will be performed as shown on CCD#055, dated April 23,2004, for the lump sum price shown and broken down on the attached sheets. Thank you.

Item	Description	Stock#	Quantity	Units	Unit Price	Tax Rate	Tax Amount	Net Amount
00001	Replace Stair Landing At Stair #1		1.000	LS	$6345.00	0.00%	$0.00	$6345.00

Unit Cost:	**$6345.00**
Unit Tax:	**$0.00**
Lump Sum:	**$0.00**
Lump Tax:	**$0.00**
Total:	**$6345.00**

By: Marty Maxey
Marty Maxey

Date: 4/28/04

By: _____
Pat Donovan

Date:

Expedition ®

Cost Breakdown:

Labor:	$3598.11	CSM/UBM
	$ 525.28	Gateway
Equipment:	$805.00	
Material:	$ 634.85	
Subtotal	$5290.24	
OH&P	$781.96	
Total $:	$6345.20	

T&M010.WK3

CONCRETE STRUCTURES OF THE MIDWEST, INC.
27W250 ST. CHARLES ROAD
WEST CHICAGO, ILLINOIS 60185

Contract #0304
CSM JOB #0304
DOWNERS GROVE PARKING FACILITY
CCD #055 Replace Landing and Beam At Stair #1

LABOR EXPENSE

DATE

CLASSIFICATION		Total Hours	Premium Time O.T.	D.T.	Rate	Insur. Amount	Payroll Amount
CEMENT FINISHER	4.00	4.0			$34.00	$136.00	$136.00
CF FOREMAN		0.0			$35.00	$0.00	$0.00
LABORER	24.00	24.0			$29.00	$696.00	$696.00
L FOREMAN	8.00	8.0			$29.75	$238.00	$238.00
OPERATOR		0.0			$38.70	$0.00	$0.00
OILER		0.0			$31.10	$0.00	$0.00
TEAMSTER		0.0			$34.40	$0.00	$0.00
CARPENTER	43.00	43.0			$33.32	$1,432.76	$1,432.76
CP FOREMAN		0.0			$35.67	$0.00	$0.00
TECH ENGINEER		0.0			$29.40	$0.00	$0.00
INSTRUMENT MAN		0.0			$24.10	$0.00	$0.00
		0.0				$0.00	$0.00
		0.0				$0.00	$0.00
		79.0	**0.0**	**0.0**		**$2,502.76**	**$2,502.76**

UNION FRINGE:				
Operator's Pension & Welfare Fund	0.0	Hrs @	$12.73	$0.00
Finisher's Pension & Welfare Fund	4.0	Hrs @	$9.06	$36.24
Carpenter's Pension & Welfare Fund	43.0	Hrs @	$9.65	$414.95
Teamster's Pension & Welfare Fund	0.0	Hrs @	$6.90	$0.00
Laborer's Pension & Welfare Fund	32.0	Hrs @	$7.89	$252.48
Technical Engineer Pension & Welfare	0.0	Hrs @	$6.90	$0.00
Instrument Man Pension & Welfare	0.0	Hrs @	$6.90	$0.00

SUBTOTAL, LABOR PAYROLL AMOUNT **$3,206.43**

PAYROLL ADDITIVES:				
Workmens Compensation	0.00%	of	$2,502.76	$0.00
FICA	7.65%	of	$2,502.76	$191.46
Federal Unemployment	0.80%	of	$2,502.76	$20.02
State Unemployment	7.20%	of	$2,502.76	$180.20
Public Liability	0.00%	of	$2,502.76	$0.00
	15.65%			

SUBTOTAL, PAYROLL ADDITIVES **$391.68**

$3,598.11

PLUS 15.00% of $3,598.11 **$539.72**

$4,137.83

EQUIPMENT EXPENSE

Description	Total Hrs.	U/M	Rate	Total Amount
Air Hammer	2.0	Day	$65.00	$130.00
Compressor	2.0	Day	$85.00	$170.00
Epoxy	10.0	Units	$24.50	$245.00
10 CY Dumpster	1.0	LS	$260.00	$260.00
	0.0			$0.00
			SUBTOTAL	$805.00

RENTED EQUIPMENT					
					$0.00
				SUBTOTAL FOR RENTED EQUIPMENT	$0.00
				SUBTOTAL FOR ALL EQUIPMENT	$805.00
	PLUS	15.00%	of	$805.00	$120.75
TOTAL EQUIPMENT EXPENSE					***$925.75***

MATERIAL EXPENSE

Material used	Quantity	U.M.	Unit Price	Total Amount
Formwork/Shoring	103.0	SF	$3.00	$309.00
Concrete	3.0	CY	$68.50	$205.50
Reinforcing	4.2	CWT	$29.00	$120.35
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
	0.0			$0.00
				$0.00
				$0.00
		SUBTOTAL, MATERIAL		$634.85
PLUS	15.00%	of	$634.85	$95.23
TOTAL MATERIAL EXPENSE				***$730.08***

SUBCONTRACTOR EXPENSE

SUBCONTRACTOR	Quantity	U.M.	Unit Price	Total Amount
Gateway Reinforcing	8.00	Hr	$65.66	$525.28
				$0.00
				$0.00
				$0.00
				$0.00
		SUBTOTAL, SUBCONTRACT		$525.28
PLUS	5.00%	of	$525.28	$26.26
TOTAL SUBCONTRACTOR EXPENSE				***$551.54***

SUMMARY

			$4,137.83
			$925.75
			$730.08
			$551.54
		SUBTOTAL	**$6,345.20**
1.50%	OF	$6,345.20	$0.00
GRAND TOTAL			***$6,345.20***

VILLAGE OF DOWNERS GROVE
PARKING FACILITY
Project No. 14-00

Construction Change Directive No. 055

RECEIVED
APR 30 2004
BY: 110

Date: 23 April 2004

To: John Doherty, Turner Construction Company

Subject: ~~Additional Steel Lateral Bracing~~ [Stair No.1 Landing Modification]

Turner Construction Company (Contractor) is hereby directed by the Village of Downers Grove, as provided or in Article 7.3 of the General Conditions of the Contract, to comply with the following:

Description:
Remove and replace the first intermediate landing in Stair No.1, as detailed in the attached Proposal Request No. 006.

Reason:
The vertical clearance between the first and second intermediate landings was insufficient to meet code due to an error in the plans.

Expected Construction Schedule Adjustment:
__Extension of ___ days * __Reduction of ___ days *
X None
__ Submit Time Adjustment Proposal *

Expected Construction Cost Adjustment:
__ Add'l Cost: $_____ * __Credit: $_____ *
__ None __Unit Price
X Submit Cost Adjustment Proposal *

Please check the appropriate response below and return a signed copy of this document to the Owner's Representative within 5 business days.

___ Contractor agrees with the above terms. *

X Contractor disagrees with the above terms and will submit a Proposal or a Request for Change Order. *

Turner Construction Company Representative

4/30/04
Date

* A Change Order will be issued when Owner and Contractor agree upon Schedule and/or Cost adjustments.

Sara L. Davis, PE, SE
alfred benesch & company
Owner's Representative

Cc: R. Manabat, Desman
D. Barber, VDG Public Works
M. Millette, VDG Public Works – Engineering
File

RECEIVED
MAY 03 2004
BY:

PROPOSAL REQUEST

Owner	[X]
Architect	[X]
Consultant	[ ]
Contractor	[X]
Field	[X]
Other	[ ]

(Instructions on reverse side)

PROJECT: *(Name and address)* Village of Downers Grove Parking Facility

OWNER: *(Name and address)* Village of Downers Grove Downers Grove, Illinois

TO CONTRACTOR: *(Name and address)* Turner Construction 2340 S. Arlington Hts. Rd. Suite 340 Arlington Hts., IL 60005

PROPOSAL REQUEST NO: 6

DATE OF ISSUANCE: April 22, 2004

CONTRACTOR FOR: General Construction

CONTRACT DATED: June 23, 2003

ARCHITECT'S PROJECT NO: 50-20123

ARCHITECT: Desman Associates, Inc. 20 N. Clark Street 4th Floor Chicago, IL 60602

CONTRACT DATED: June 23, 2003

Please submit an itemized proposal for changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein. Submit proposal within days, or notify the Architect in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

Description:
(Insert a written description of the work)

See Attached Description

Attachments:

Sketches SK-042004A through SK-042004G and photograph 042004 are part of this Proposal Request No. 6.

REQUESTED BY:

(Signature) *(Printed name and title)*

AIA Caution: You should sign an original AIA document, which has this caution printed in red. An original assures that changes will not be obscured as may occur when documents are reproduced. See instruction sheet for Limited License for Reproduction of this document.

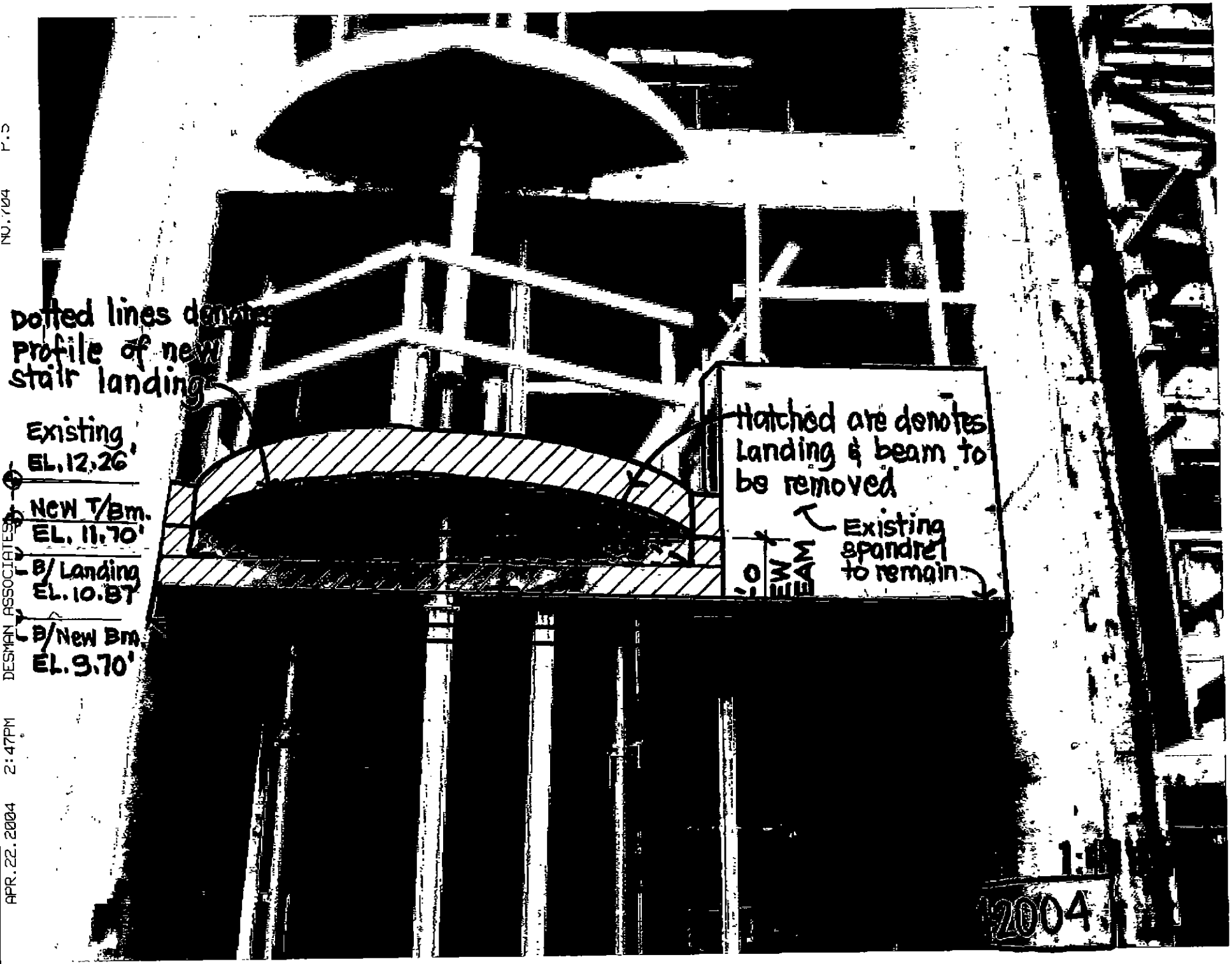
Description

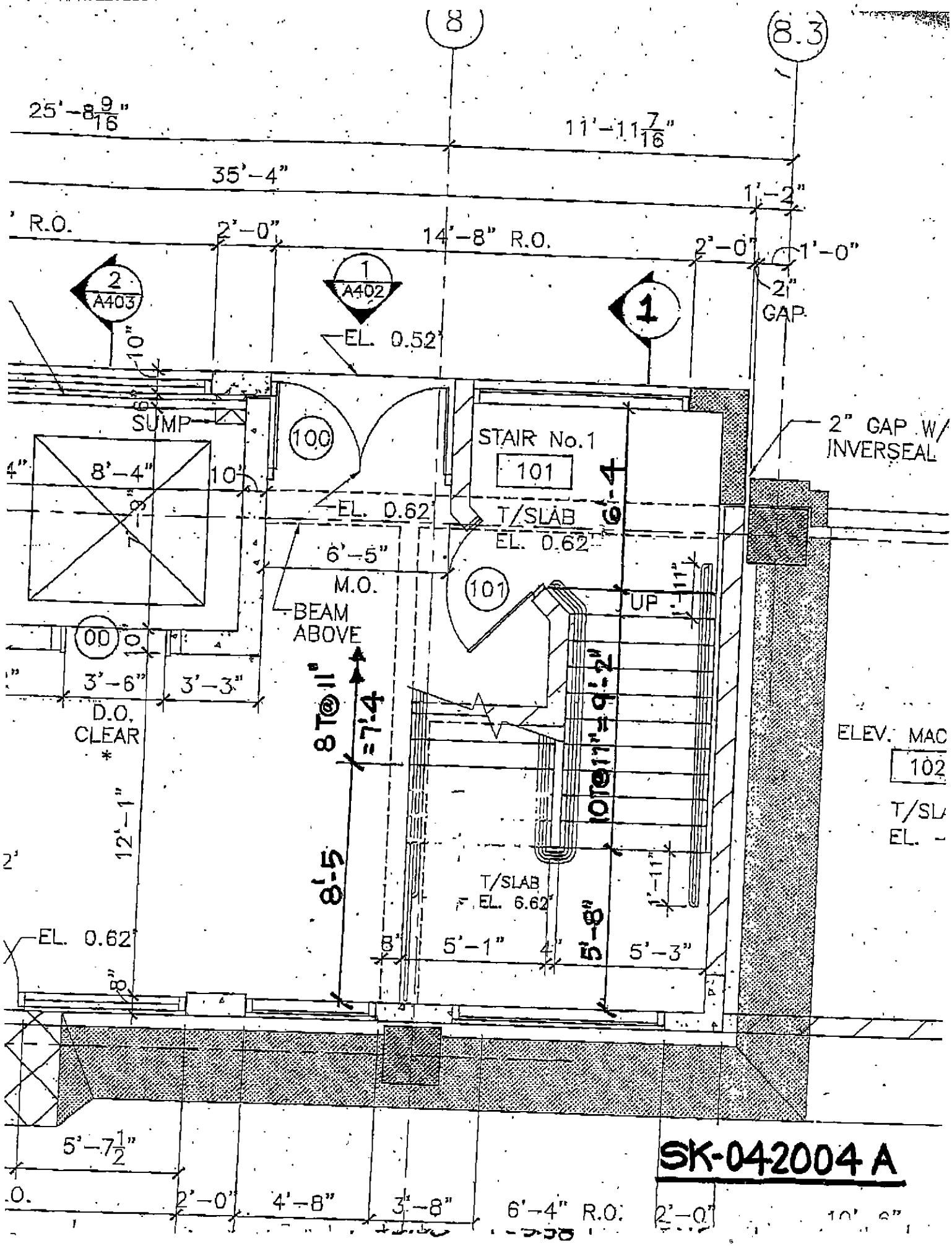
1. On Stair Tower No. 1, remove existing intermediate landing and supporting beam mark B12 (elev.12.26) and re-construct new intermediate landing & beam at elev. 11.70. This entails provision of additional riser from new intermediate landing at elev. 11.70 to existing second level at elev. 15.08. It also eliminates one riser and lengthen intermediate landing from elev. 6.62 to the new intermediate landing at elev. 11.70 as shown on photo 042004 and sketches SK-042004A, SK-042004B & SK-042004C.

2. In the removal process of item 1 noted above, shore/brace and protect beam mark B11, closure slab and spandrel wall at second level at elev. 15.08. Refer to SK-042004D for beam marks location.

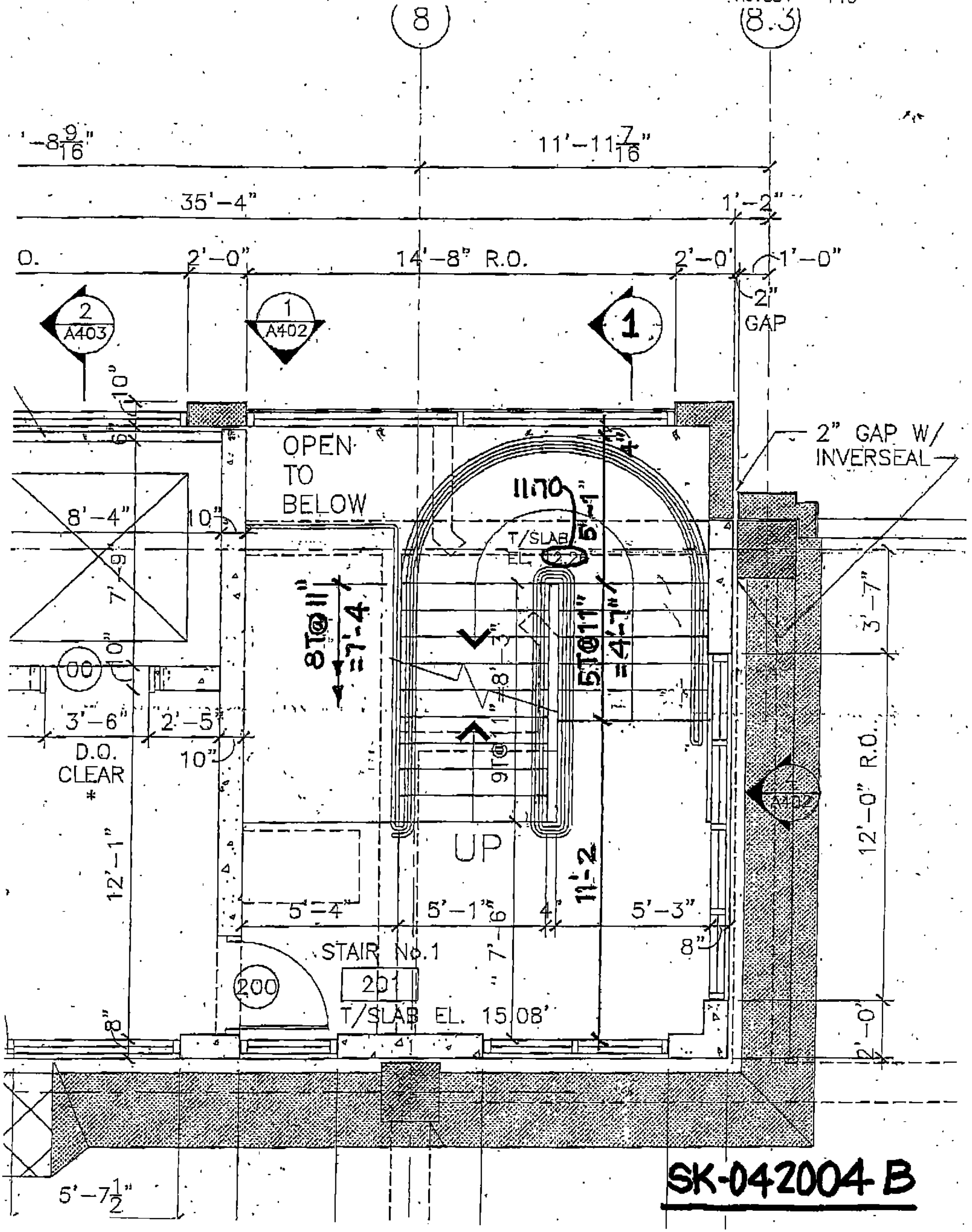
3. Roughen bottom of existing beam below spandrel wall to receive new beam addition/extension. Provide new dowels, anchors and rebars as shown on sketches SK-042004D, SK-042004E, SK-042004F, SK-042004G & SK-042004H to reconstruct new beam and new beam addition/extension.

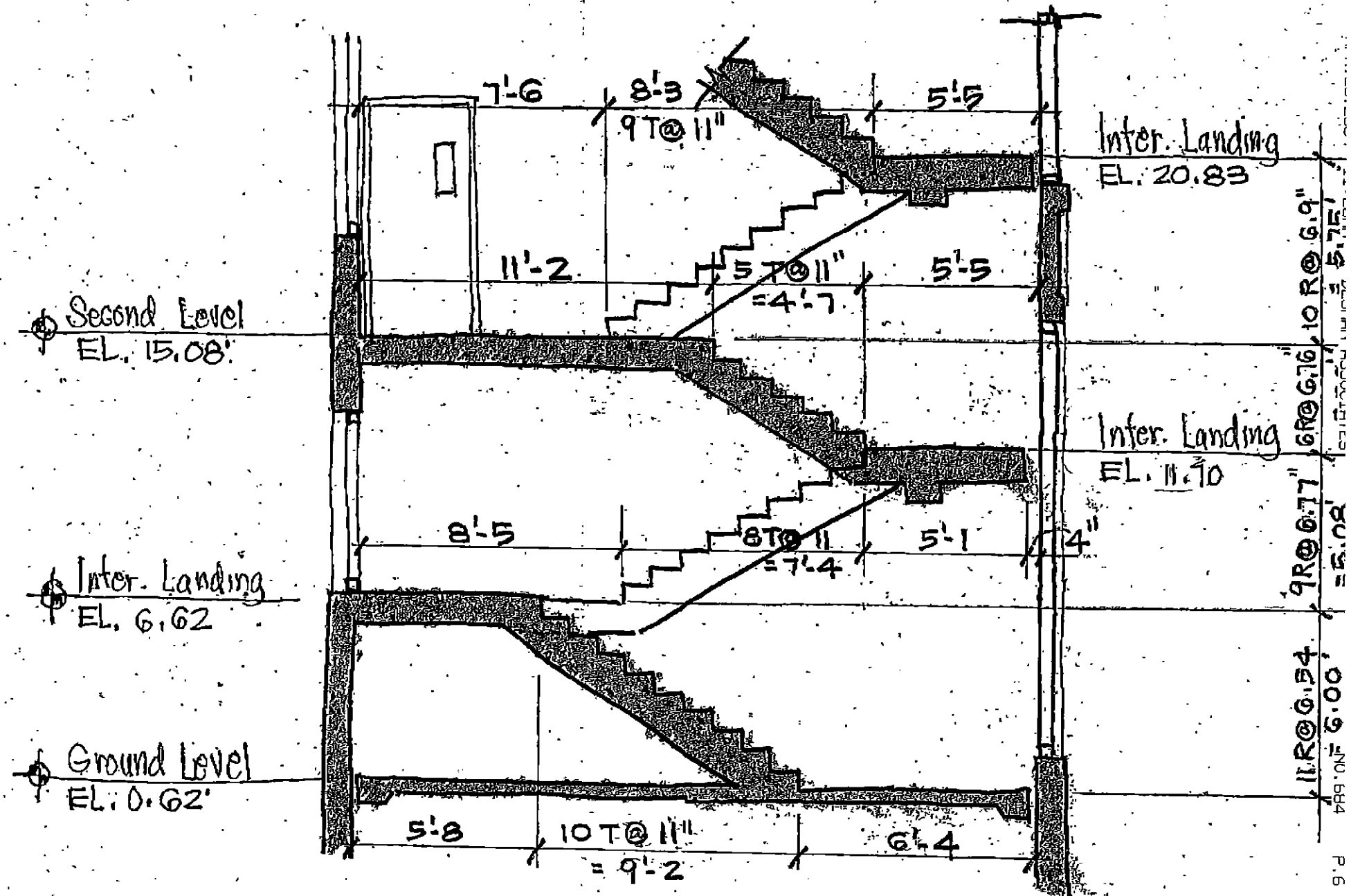
4. Refer to sketch photo 042004 and SK-042004G to reconstruct new stair landing at new elev. 11.70.




8
8.3
25'-8 9/16"
11'-11 7/16"
35'-4"
1'-2"
R.O.
2'-0"
14'-8" R.O.
2'-0"
1'-0"
2" GAP
2
A403
1
A402
1
EL. 0.52'
10"
6"
SUMP
100
STAIR No.1
101
2" GAP W/ INVERSEAL
4"
8'-4"
10"
EL. 0.62'
T/SLAB
EL. 0.62'
6'-4
6'-5"
M.O.
BEAM ABOVE
101
UP 1'-11"
00
3'-6"
3'-3"
D.O. CLEAR
*
8 T@ 11" = 7'-4
10 T@ 11" = 9'-2"
ELEV. MAC
102
T/SL
EL. -
12'-1"
8'-5
T/SLAB
EL. 6.62'
1'-11"
EL. 0.62'
8"
5'-1"
4"
5'-9"
5'-3"
5'-7 1/2"
2'-0"
4'-8"
3'-8"
6'-4" R.O.
2'-0"

SK-042004 A

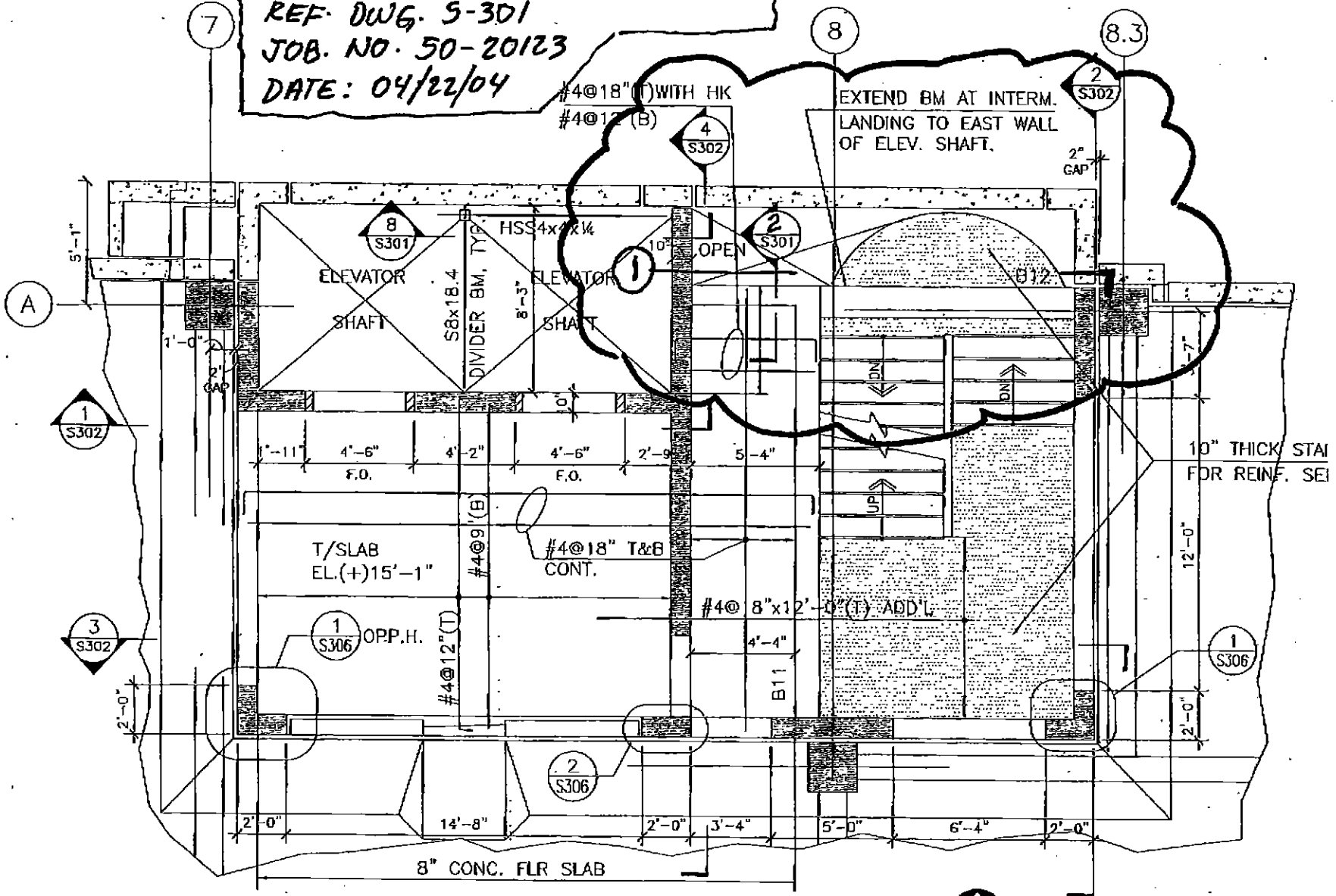

8
8.3
11'-11 7/16"
35'-4"
1'-2"
2'-0"
14'-8" R.O.
2'-0'
1'-0"
2" GAP
2 A403
1 A402
1
2" GAP W/ INVERSEAL
OPEN TO BELOW
8'-4"
10"
T/SLAB EL.
8T@11" =7'-4
5T@11" =4'-7"
UP
3'-6"
2'-5"
D.O. CLEAR
12'-1"
5'-4"
5'-1"
4"
5'-3"
8"
STAIR No.1
200
201
T/SLAB EL. 15.08'
3'-7"
12'-0" R.O.
2'-0"
5'-7 1/2"
SK-042004 B



SECTION 1

SK-042004 C

VILLAGE OF DOWNERS GROVE
REF. DWG. S-301
JOB. NO. 50-20123
DATE: 04/22/04



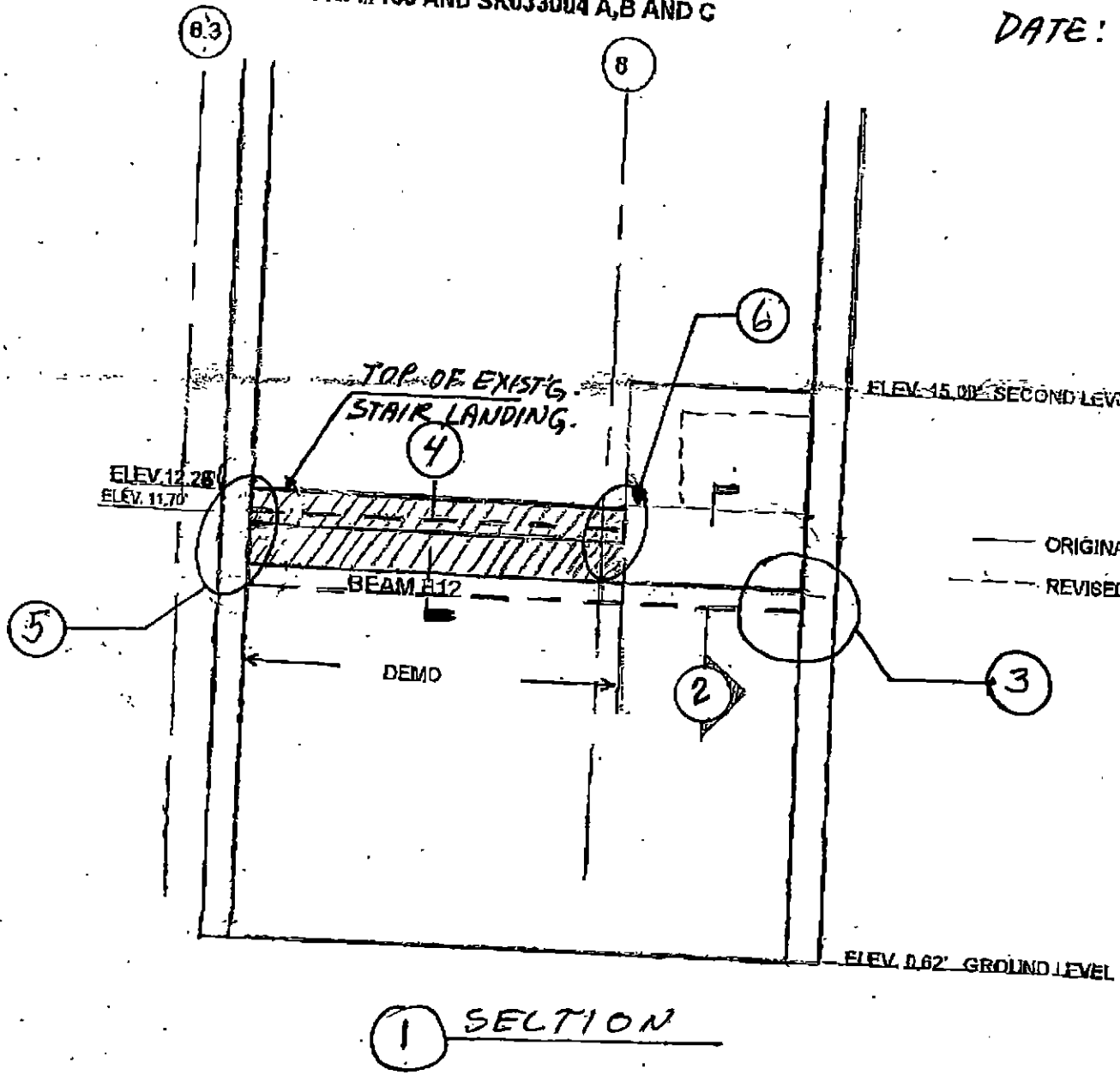
2 SECOND LEVEL PLAN
SCALE: 1/4"=1'-0"

N

SK-042004D

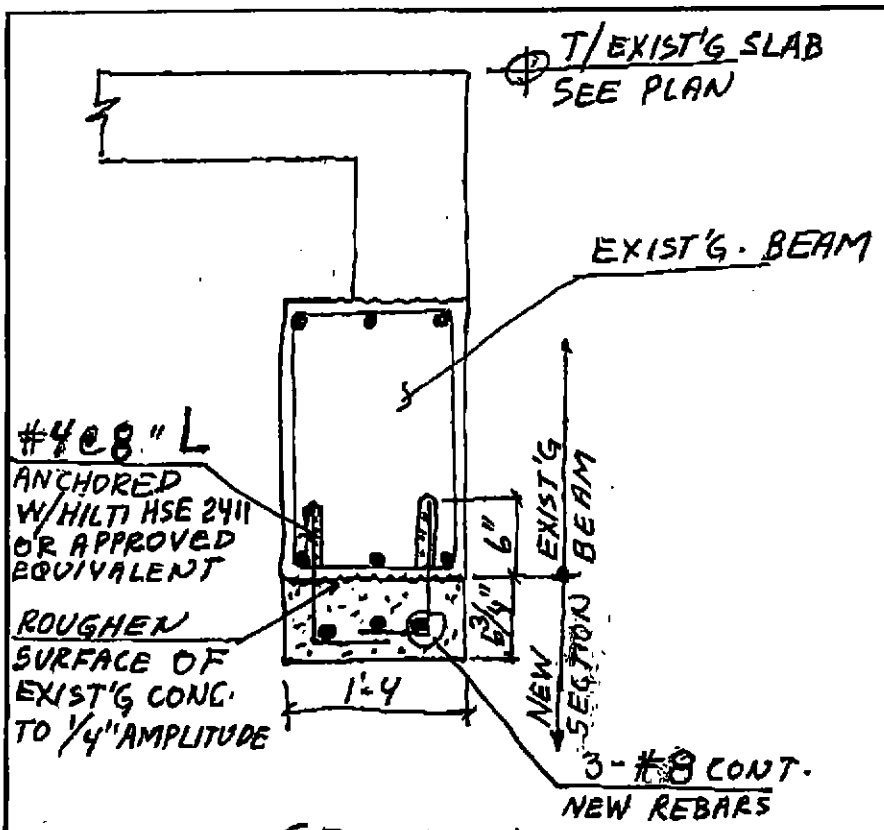
VILLAGE OF DOWNERS GROVE
JOB NO. 50-20123
DATE: 04/22/04

STAIR #1 - REVISED STAIR LANDING
SEE RFI#166 AND SK033004 A,B AND C

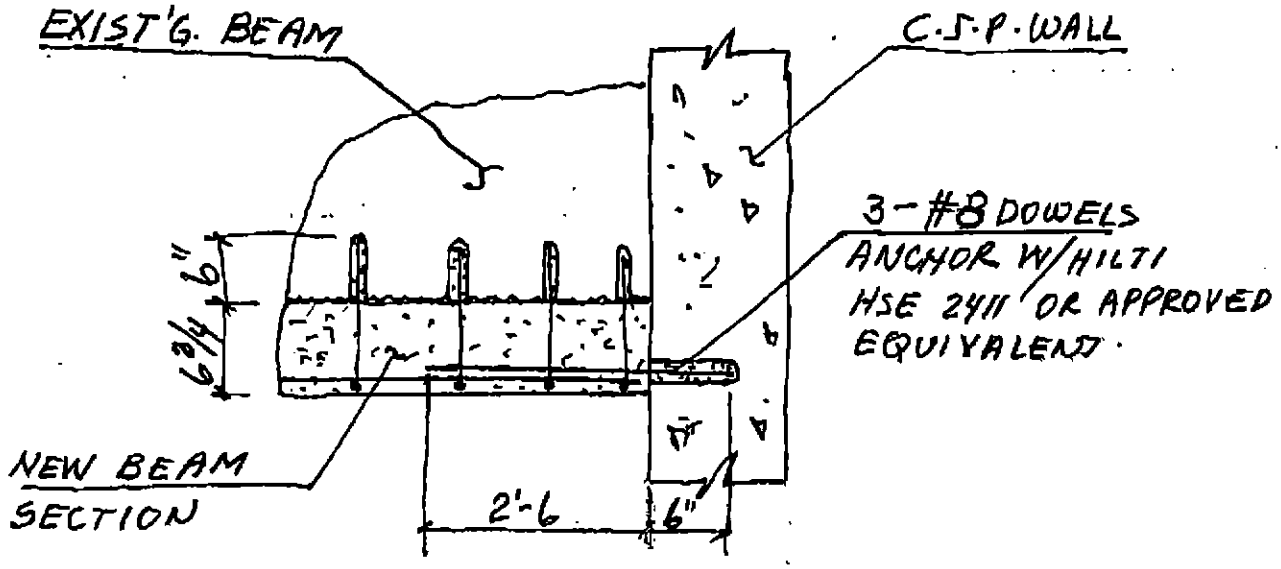


1 SECTION

SK-042004E 2/5



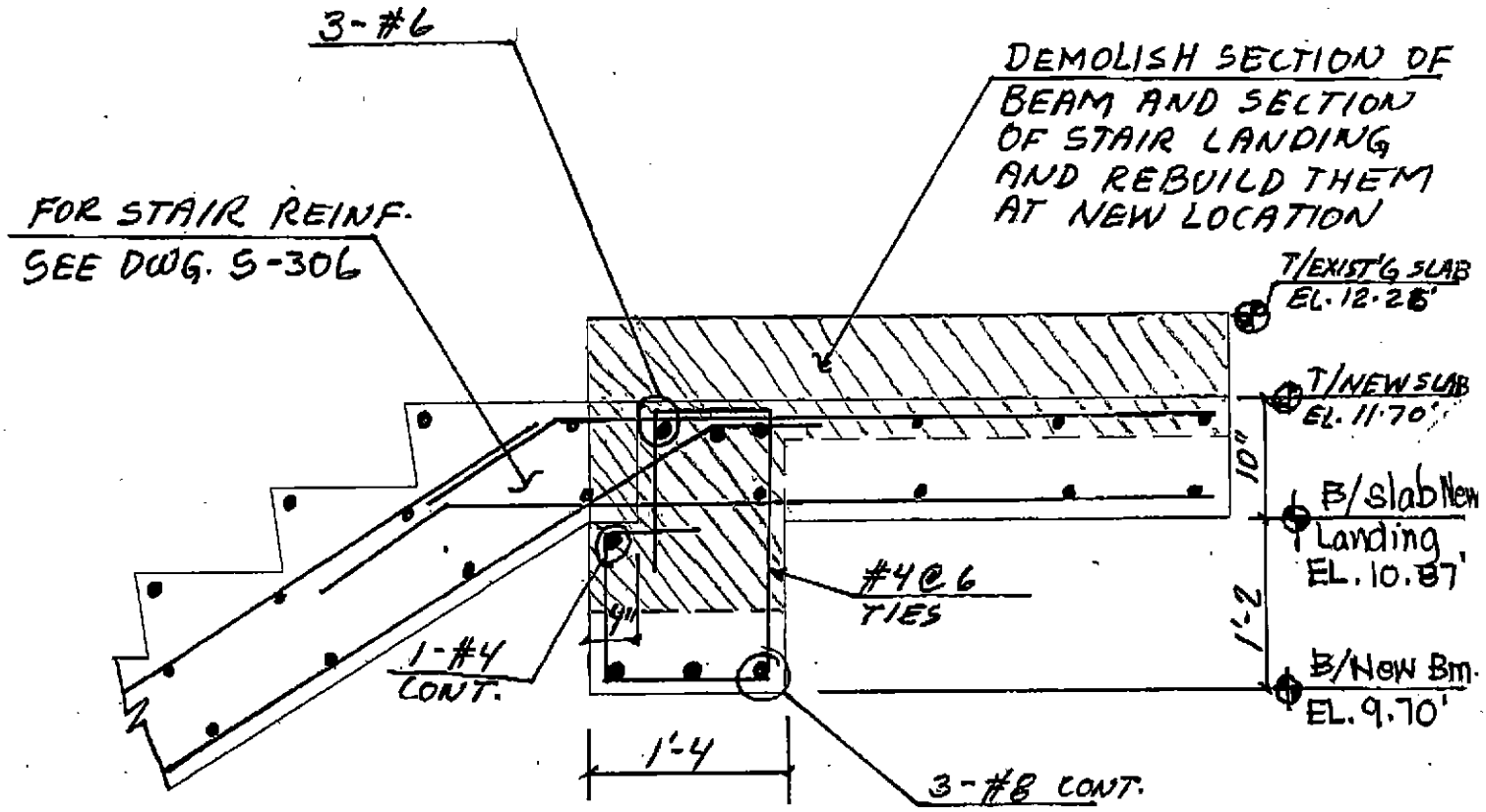
2 SECTION



3 DETAIL

SK-042004F

DESMAN ASSOCIATES	VILLAGE OF DOWNERS GROVE	Date 04/22/04	Sheet 3/5
	DOWNERS GROVE, IL.	Job No 50-20123	

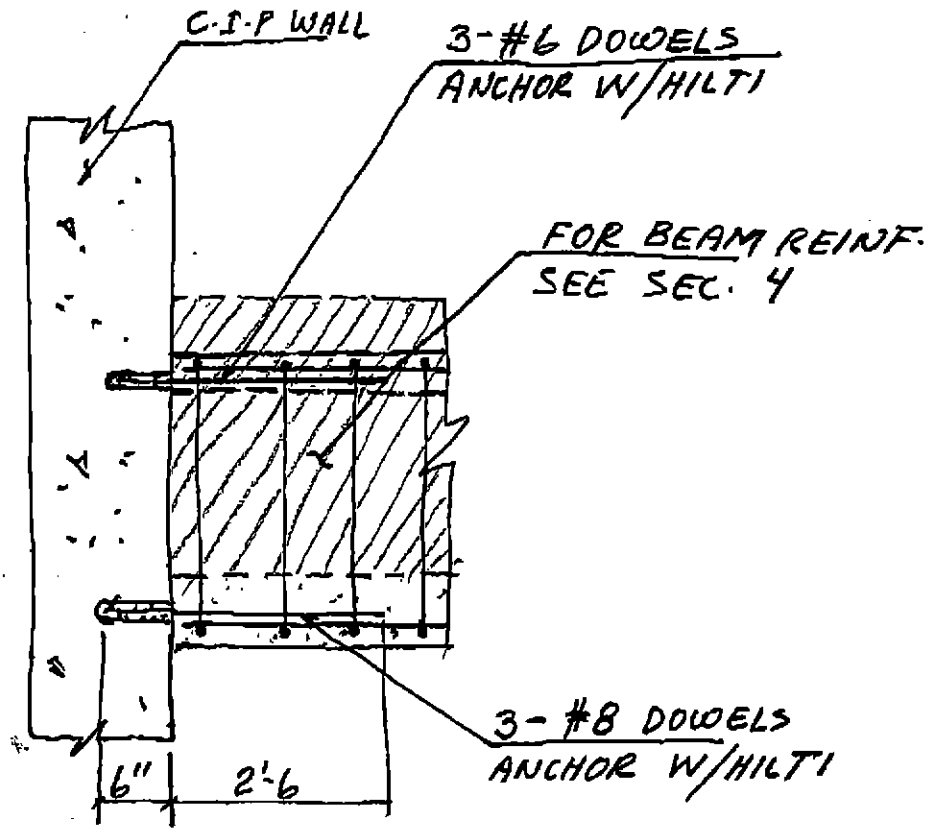


4 SECTION

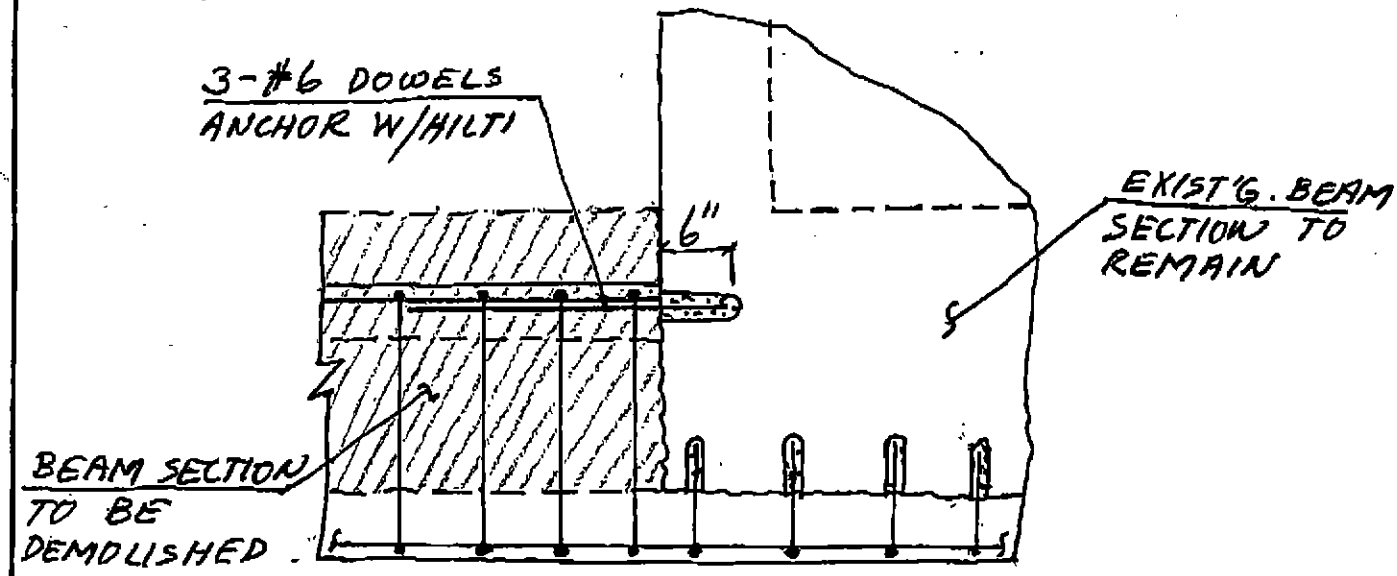
SK-042004G

VILLAGE OF DOWNERS GROVE
JOB. NO. 50-20123
DATE: 04/22/04

4/5



(5) SECTION



(6) DETAIL

SK-042004H

DESMAN ASSOCIATES	VILLAGE OF DOWNERS GROVE	Date 04/22/04	Sheet 5/5
	DOWNERS GROVE, IL.	Job No 50-20123	

RFI #176

Project #9252 - Downers Grove Parking Deck
945 Curtiss St. Downers Grove. IL 60515

Turner Construction Company
Tel. 630-663-0431
Fax: 630-663-0415

RFI #: 176	Date Created: 4/15/04	Date Required: 4/16/04

TO:	FROM:
Sara Davis	Pat Donovan
Alfred Benesch & Company	Turner Construction Company
5202 Washington Ave, Downers Grove, IL 60515	945 Curtis Street Downers Grove, IL 60515
Phone: 630-434-6895 Fax: 630-434-6896	Phone: 630-663-1977 Fax: 630-663-0415

Subject **Discipline** **Category**

~~hook bars at column extensions~~
Change to intermediate landing, Stair 1

Drawing References:
Dwg No. Rev No Revision Date Title

Spec Section References:
Sketch References:

Question:
Please refer to sketches SK-033004A, B and C regarding the change to the intermediate stair landing @ stair 1. Is it possible to remove only the portion of beam B12 under the stair landing, leaving intact the portion West of line 8.? The bottom steel for the relocated Beam B12 would be 7" lower than the old beam and the reinforcing steel would span from wall to wall. The new top reinforcing steel would be drilled and epoxied into the old beam at line 8 and span to the wall pocket at column line 8.25. Stirrups for the beam from column line 7.8 to 8 would be drilled into the old portion of the beam. See attached sketch.

Suggestion:

Answer:
THIS IDEA IS ACCEPTABLE. DETAILS ARE ISSUED WITH CCD 055.

Date Answered:

Signature: Sara T. Davis [PER RAY MAHAPATRA] Date: 23 April '04

Cc: Company Name Contact Name Copies Fax Number Notes